

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009608.D
 Acq On : 16 May 2019 15:34
 Operator : JC/SP
 Sample : VX0516MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:29 PM

Quant Time: May 17 02:12:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108496	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	79844	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.71	98	318859	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	115798	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25794	17.144	ug/l	99
3) Chloromethane	1.32	50	40606	19.768	ug/l	99
4) Vinyl Chloride	1.40	62	39484	19.712	ug/l	100
5) Bromomethane	1.64	94	24743	20.581	ug/l	99
6) Chloroethane	1.72	64	26155	20.338	ug/l	99
7) Trichlorofluoromethane	1.93	101	48330	19.850	ug/l	97
8) Diethyl Ether	2.19	74	23540	20.411	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30012	19.629	ug/l	99
10) Methyl Iodide	2.51	142	33595	21.767	ug/l	99
11) Tert butyl alcohol	3.05	59	56249	109.025	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30707	20.044	ug/l	93
13) Acrolein	2.29	56	27846	59.597	ug/l	98
14) Allyl chloride	2.73	41	73277	19.627	ug/l	98
15) Acrylonitrile	3.14	53	132341	104.910	ug/l	99
16) Acetone	2.45	43	117919	98.528	ug/l	94
17) Carbon Disulfide	2.57	76	78895	18.343	ug/l	100
18) Methyl Acetate	2.78	43	62337	21.901	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	121703	20.458	ug/l	98
20) Methylene Chloride	2.85	84	38495	19.865	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	33563	20.201	ug/l	98
22) Diisopropyl ether	3.85	45	150983	21.029	ug/l	95
23) Vinyl Acetate	3.81	43	655972	106.695	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71062	20.063	ug/l	98
25) 2-Butanone	4.67	43	196000	105.387	ug/l	98
26) 2,2-Dichloropropane	4.59	77	45744	17.351	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	39993	20.167	ug/l	99
28) Bromochloromethane	5.02	49	26643	16.871	ug/l	99
29) Tetrahydrofuran	5.13	42	130070	108.684	ug/l	99
30) Chloroform	5.21	83	65875	20.564	ug/l	96
31) Cyclohexane	5.58	56	65986	20.025	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	53110	19.916	ug/l	99
36) 1,1-Dichloropropene	5.80	75	48558	19.900	ug/l	100
37) Ethyl Acetate	4.84	43	73771	21.699	ug/l	99
38) Carbon Tetrachloride	5.79	117	43847	19.778	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009608.D
 Acq On : 16 May 2019 15:34
 Operator : JC/SP
 Sample : VX0516MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0516MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:29 PM

Quant Time: May 17 02:12:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57423	19.162	ug/l	97
40) Benzene	6.14	78	153348	20.306	ug/l	99
41) Methacrylonitrile	5.04	41	40432	19.978	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56464	20.844	ug/l	100
43) Isopropyl Acetate	6.45	43	114446	21.045	ug/l	99
44) Trichloroethene	7.21	130	35278	19.324	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44681	20.895	ug/l	99
46) Dibromomethane	7.66	93	24846	20.009	ug/l	97
47) Bromodichloromethane	7.90	83	49764	20.091	ug/l	100
48) Methyl methacrylate	7.77	41	57460	21.297	ug/l	100
49) 1,4-Dioxane	7.74	88	23114	422.443	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	388622	109.333	ug/l	99
52) Toluene	8.79	92	93671	20.405	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54952	19.650	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61644	19.915	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38920	20.782	ug/l	94
56) Ethyl methacrylate	9.18	69	69251	20.715	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67940	20.615	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	163492	92.188	ug/l	99
59) 2-Hexanone	9.49	43	302522	108.367	ug/l	98
60) Dibromochloromethane	9.58	129	36994	20.225	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38764	20.505	ug/l	100
64) Tetrachloroethene	9.34	164	31630	19.313	ug/l	98
65) Chlorobenzene	10.13	112	95728	20.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35527	20.518	ug/l	98
67) Ethyl Benzene	10.25	91	178297	20.284	ug/l	99
68) m/p-Xylenes	10.36	106	129698	40.378	ug/l	98
69) o-Xylene	10.69	106	63816	20.136	ug/l	99
70) Styrene	10.71	104	111882	20.312	ug/l	100
71) Bromoform	10.85	173	27464	19.518	ug/l #	98
73) Isopropylbenzene	11.02	105	169548	19.834	ug/l	99
74) N-amyl acetate	10.90	43	104431	20.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	66087	20.738	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	57152m	20.959	ug/l	
77) Bromobenzene	11.26	156	42129	19.856	ug/l	99
78) n-propylbenzene	11.36	91	193475	19.818	ug/l	100
79) 2-Chlorotoluene	11.42	91	117926	19.579	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	143387	19.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19594	18.385	ug/l	92
82) 4-Chlorotoluene	11.51	91	133296	19.590	ug/l	100
83) tert-Butylbenzene	11.77	119	137941	19.700	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	144394	19.986	ug/l	99
85) sec-Butylbenzene	11.94	105	162321	19.554	ug/l	100
86) p-Isopropyltoluene	12.06	119	149038	19.971	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72811	19.250	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74154	19.446	ug/l	98
89) n-Butylbenzene	12.38	91	129581	19.211	ug/l	99
90) Hexachloroethane	12.60	117	24189	19.025	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	76488	19.854	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14791	20.690	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
Data File : VX009608.D
Acq On : 16 May 2019 15:34
Operator : JC/SP
Sample : VX0516MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

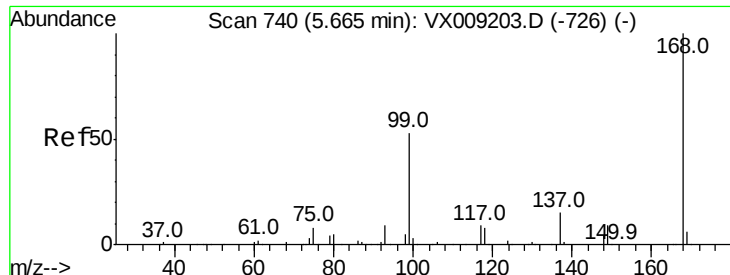
Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM

Quant Time: May 17 02:12:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52697	20.003	ug/l	99
94) Hexachlorobutadiene	13.78	225	26835	19.947	ug/l	99
95) Naphthalene	13.83	128	175040	20.422	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53581	20.064	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

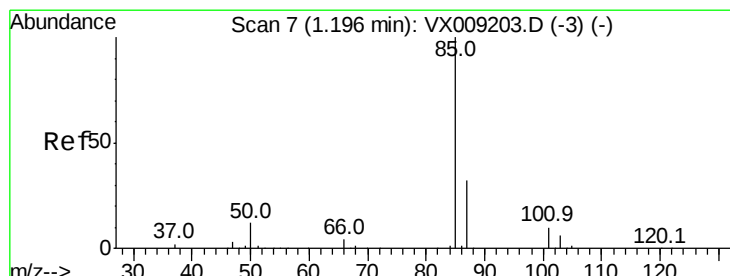
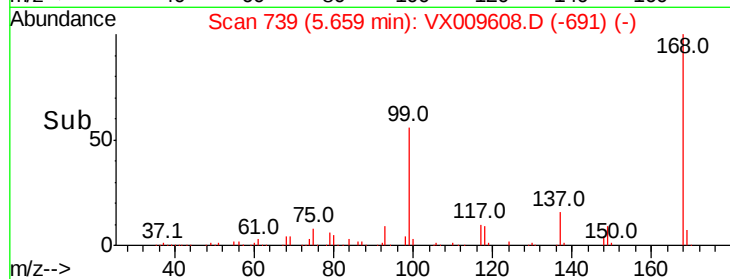
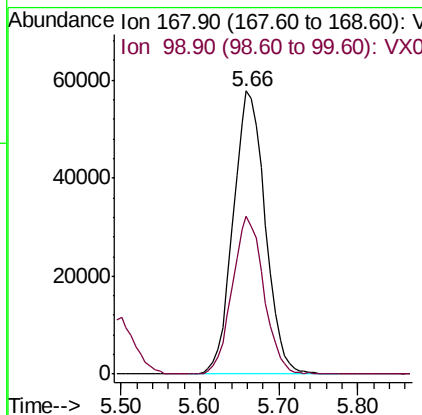
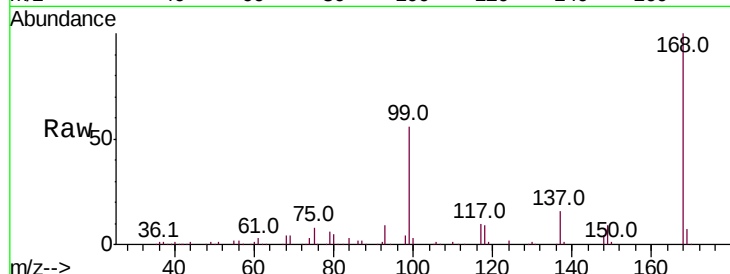
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.6	42.3	63.5

Manual Integrations
 APPROVED

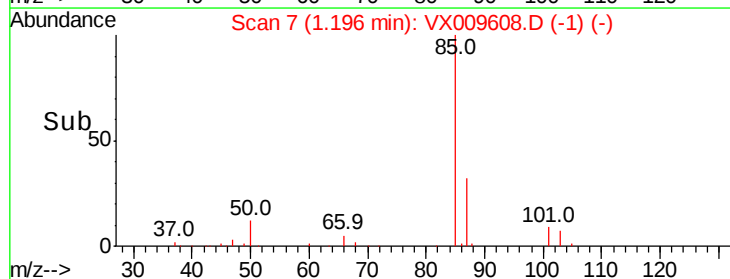
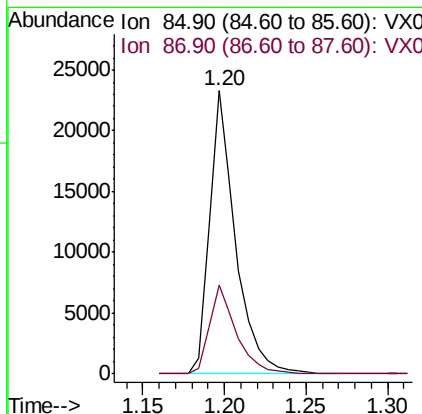
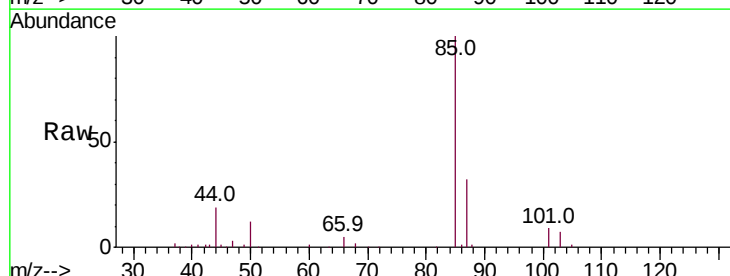
MMDadoda
 5/17/2019 1:09:29 PM

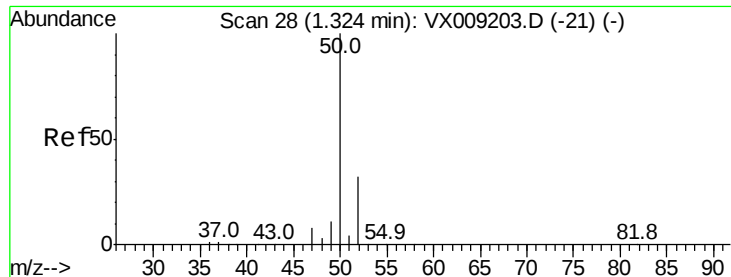


#2

Dichlorodifluoromethane
 Concen: 17.144 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.1	48.3





#3

Chloromethane

Concen: 19.768 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 50 Resp: 40606

Ion Ratio Lower Upper

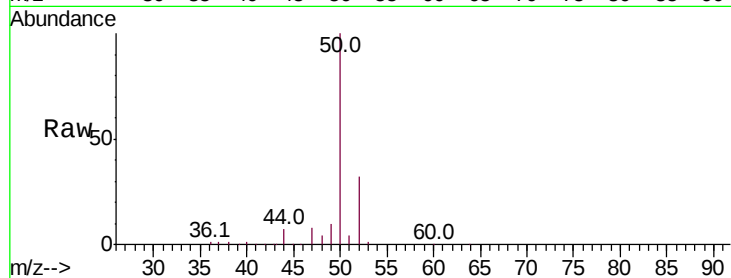
50 100

52 31.6 25.9 38.9

Manual Integrations
APPROVED

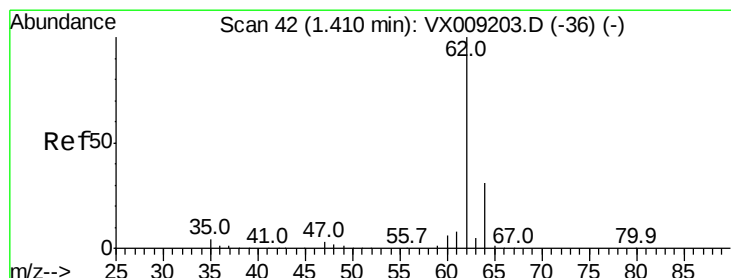
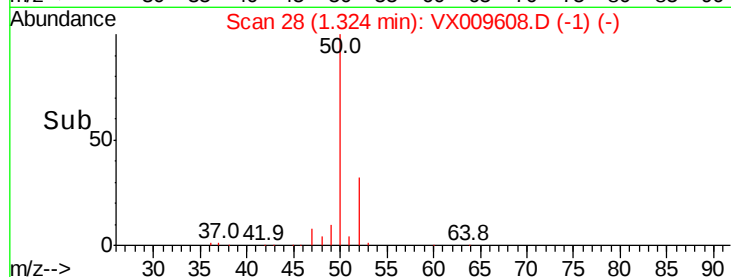
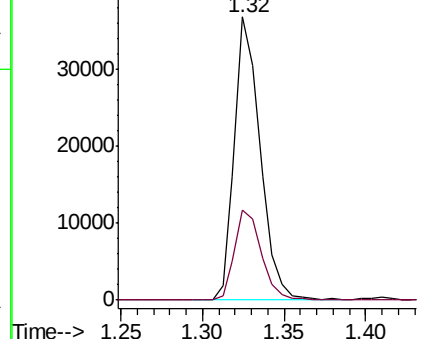
MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.712 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009608.D

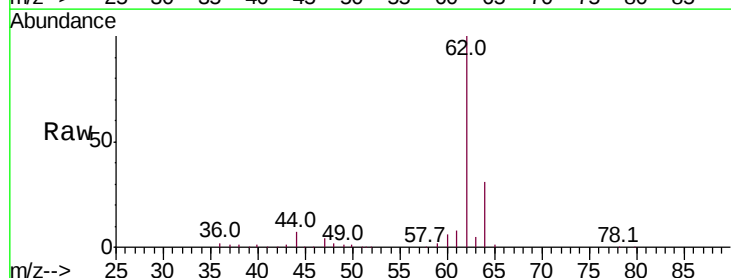
Acq: 16 May 2019 15:34

Tgt Ion: 62 Resp: 39484

Ion Ratio Lower Upper

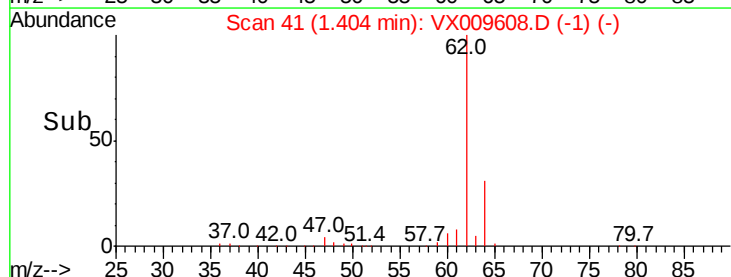
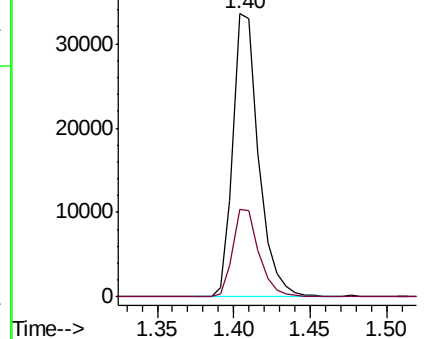
62 100

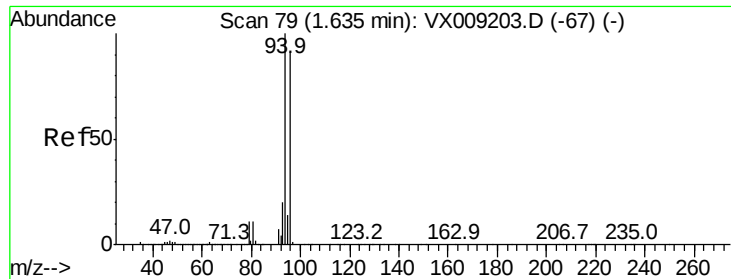
64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.581 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 94 Resp: 24743

Ion Ratio Lower Upper

94 100

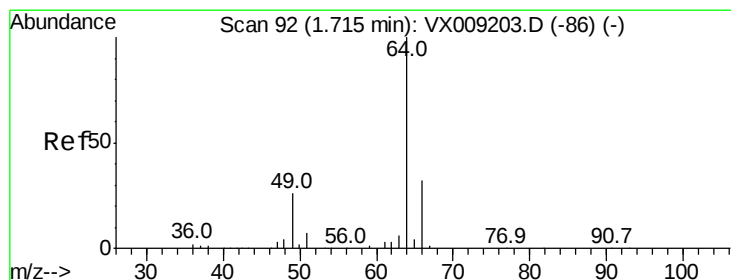
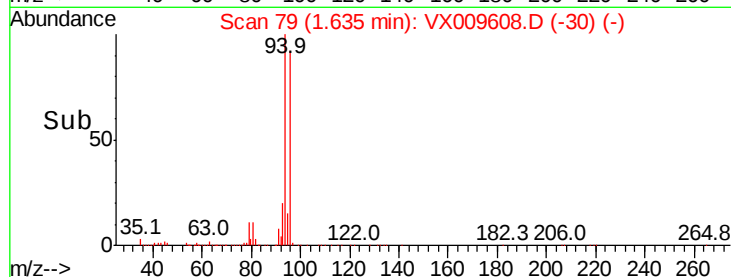
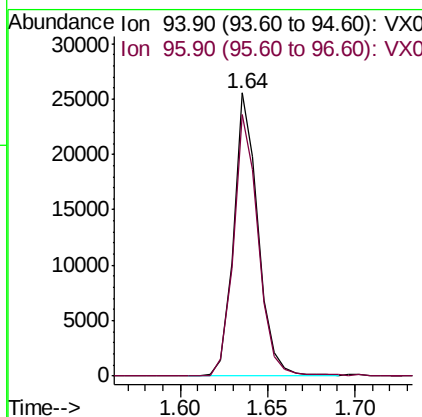
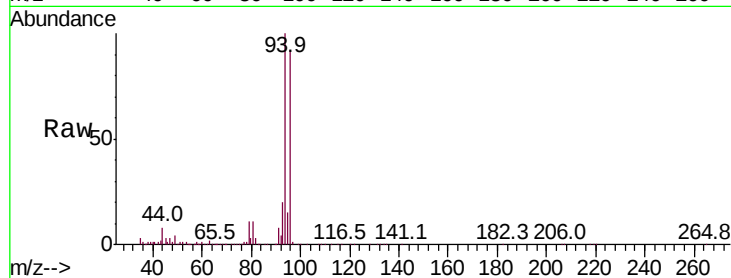
96 92.2 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#6

Chloroethane

Concen: 20.338 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009608.D

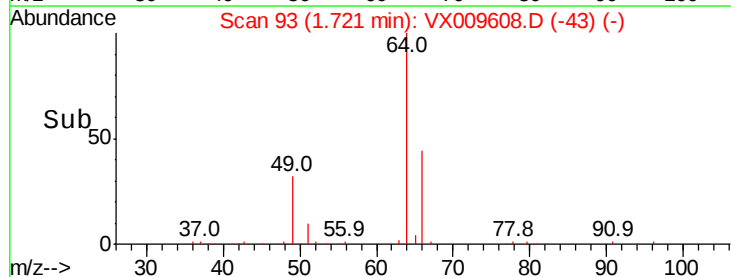
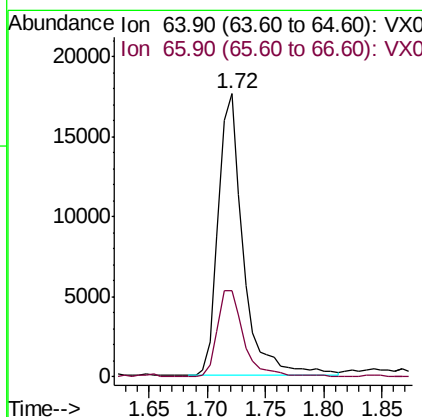
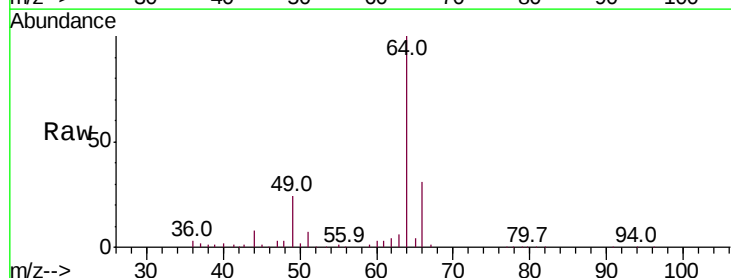
Acq: 16 May 2019 15:34

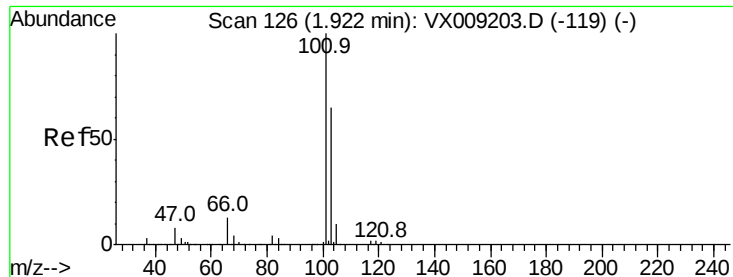
Tgt Ion: 64 Resp: 26155

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

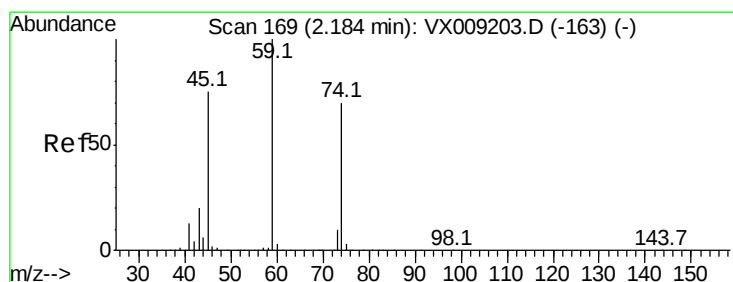
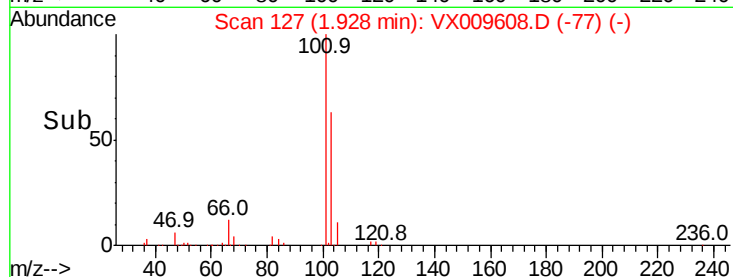
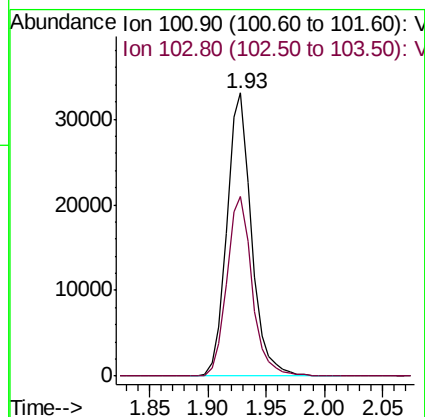
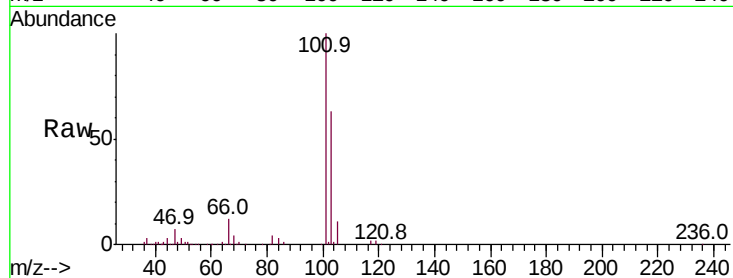
Trichlorofluoromethane
Concen: 19.850 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion:101 Resp: 48330
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

Manual Integrations
APPROVED

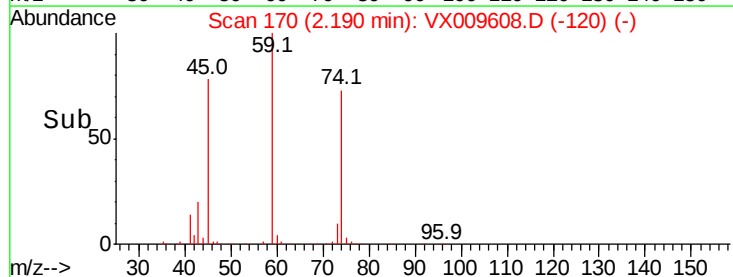
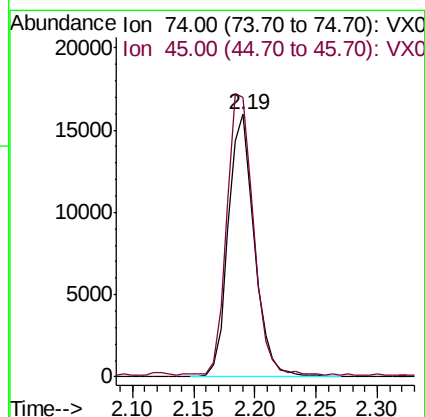
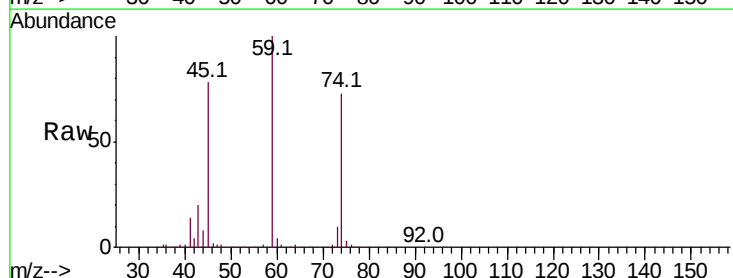
MMDadoda
5/17/2019 1:09:29 PM

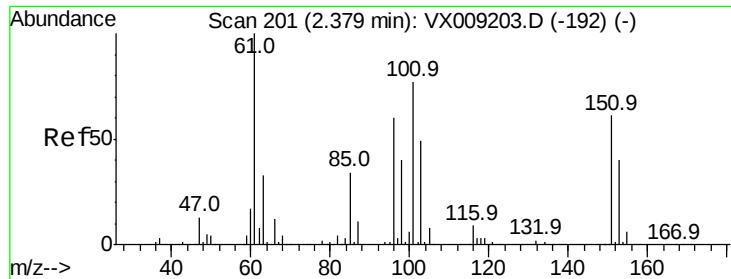


#8

Diethyl Ether
Concen: 20.411 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 74 Resp: 23540
Ion Ratio Lower Upper
74 100
45 108.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

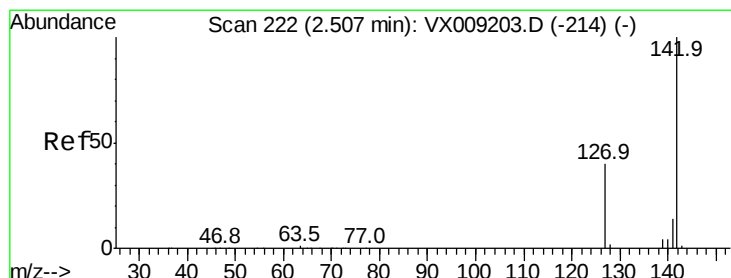
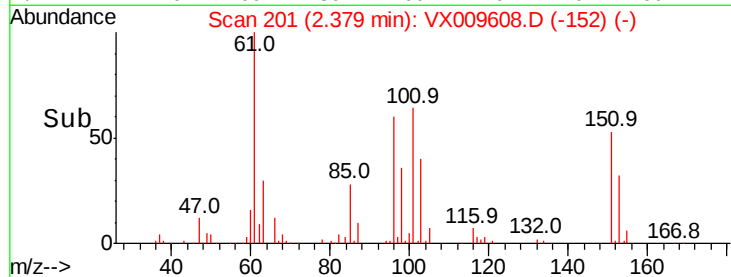
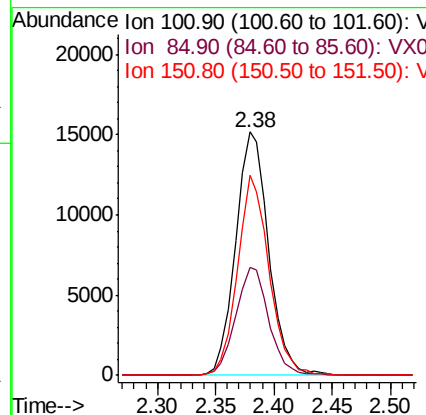
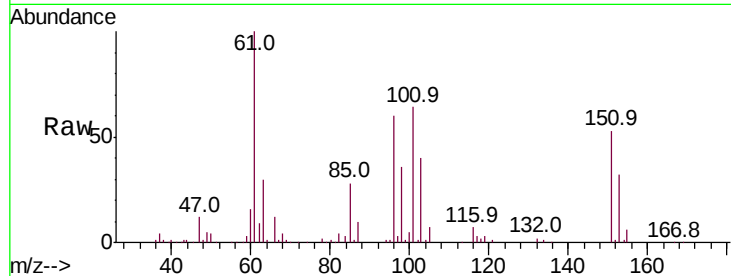
ClientSampleId :

VX0516MBS01

Tot Ion:	101	Resp:	30012
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	78.4	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#10

Methyl Iodide

Concen: 21.767 ug/l

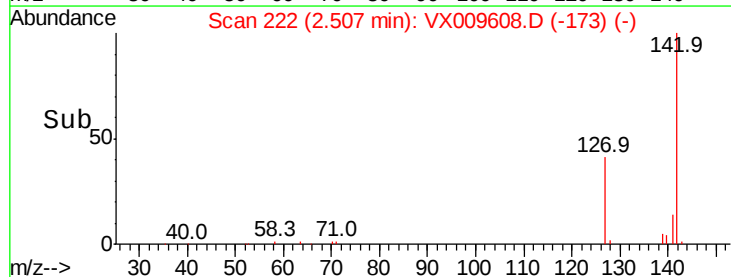
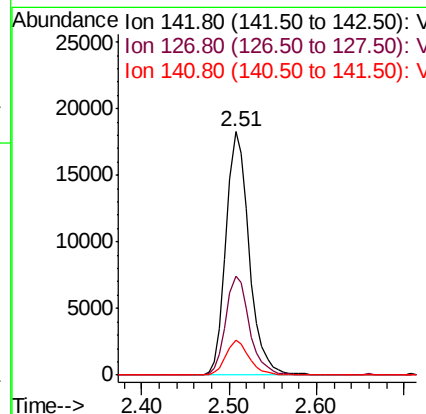
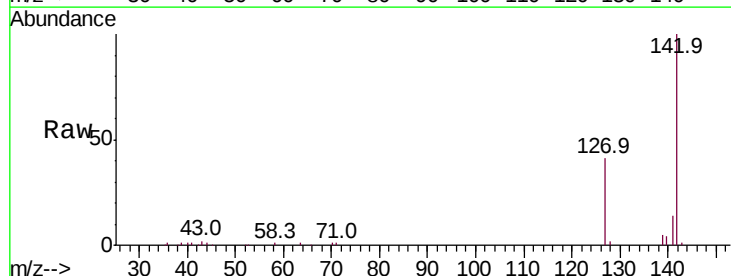
RT: 2.51 min Scan# 222

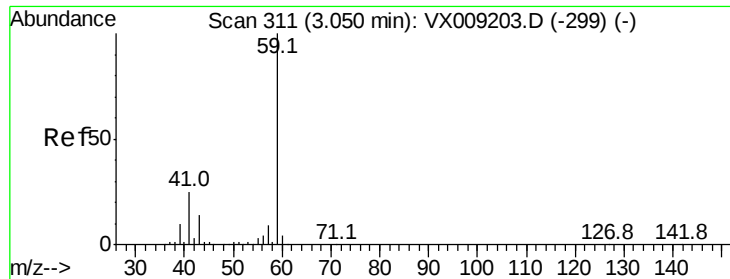
Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	142	Resp:	33595
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.7	49.1
141	14.3	11.5	17.3





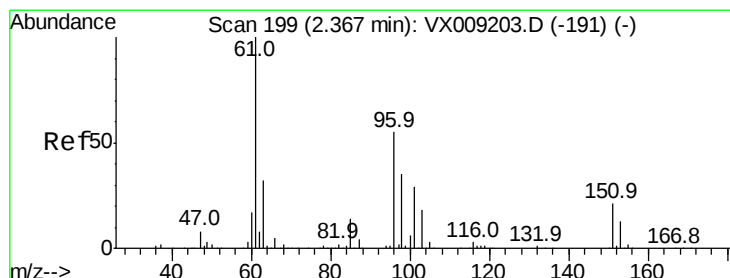
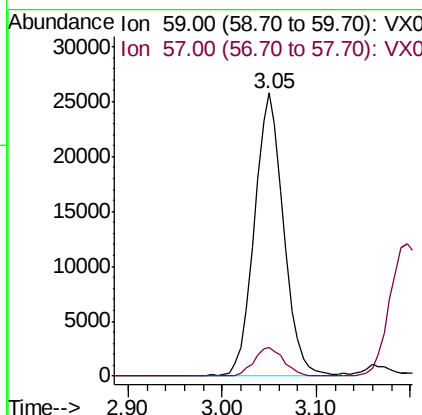
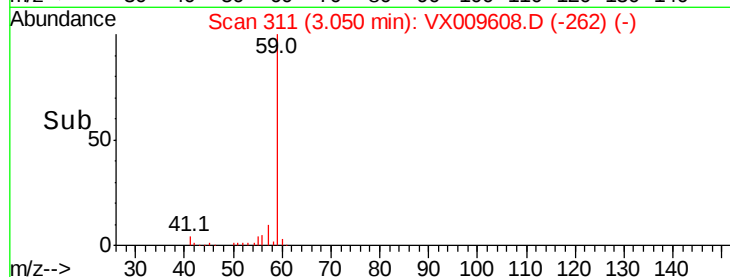
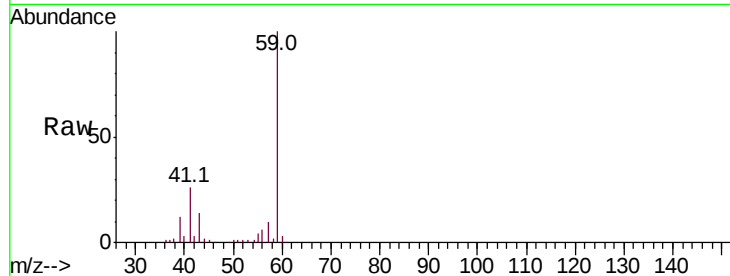
#11
Tert butyl alcohol
Concen: 109.025 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBS01

Tot Ion: 59 Resp: 56249
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

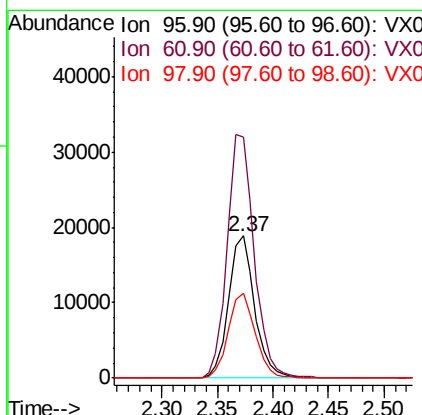
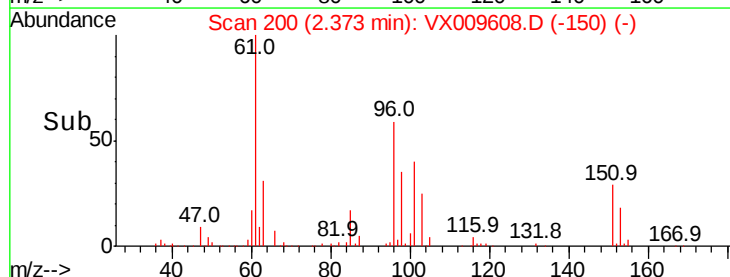
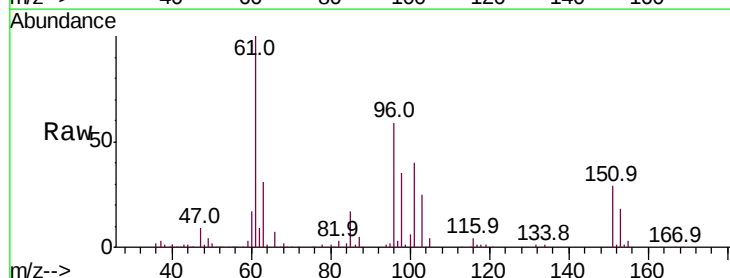
Manual Integrations
APPROVED

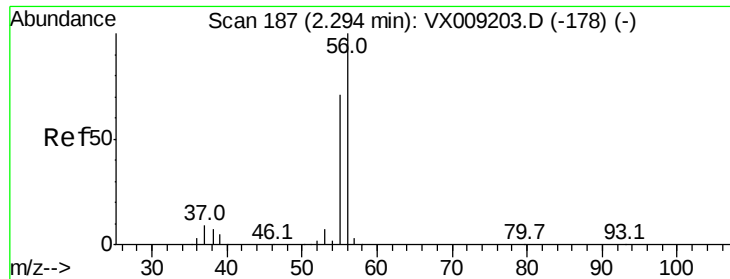
MMDadoda
5/17/2019 1:09:29 PM



#12
1,1-Dichloroethene
Concen: 20.044 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 96 Resp: 30707
Ion Ratio Lower Upper
96 100
61 169.4 144.3 216.5
98 60.0 50.3 75.5





#13

Acrolein

Concen: 59.597 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 56 Resp: 27846

Ion Ratio Lower Upper

56 100

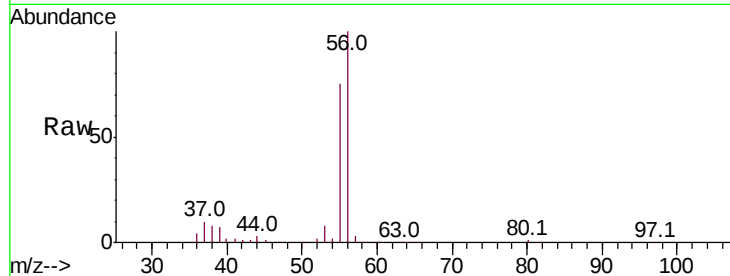
55 72.6 56.6 85.0

Manual Integrations

APPROVED

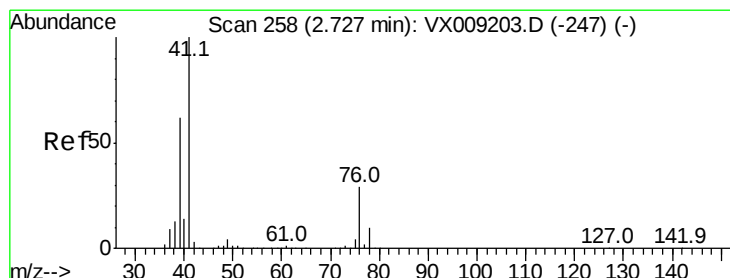
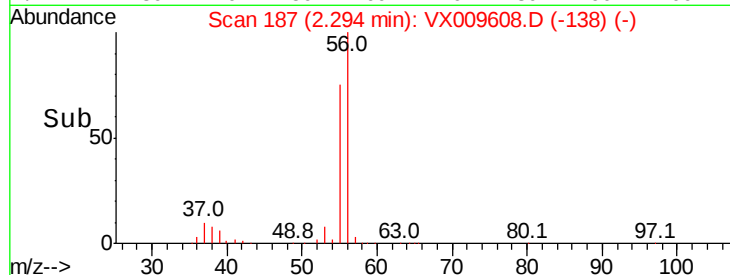
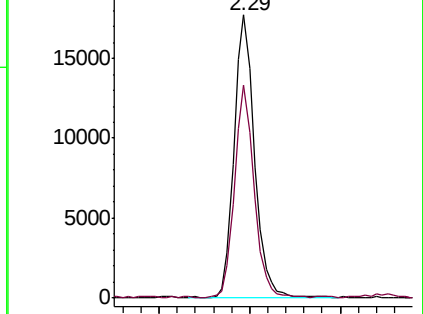
MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.627 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

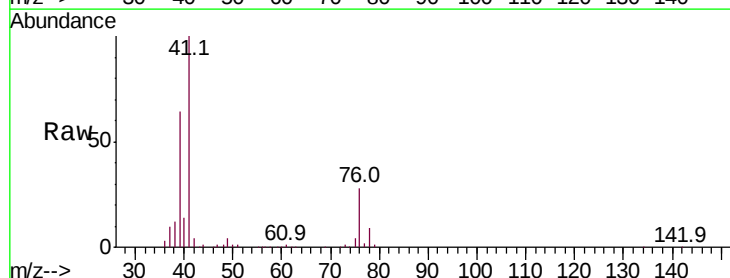
Tgt Ion: 41 Resp: 73277

Ion Ratio Lower Upper

41 100

39 60.1 46.7 70.1

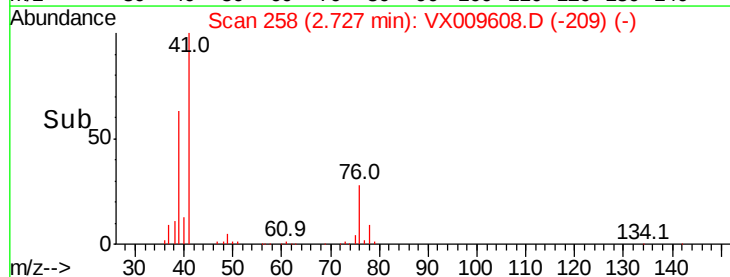
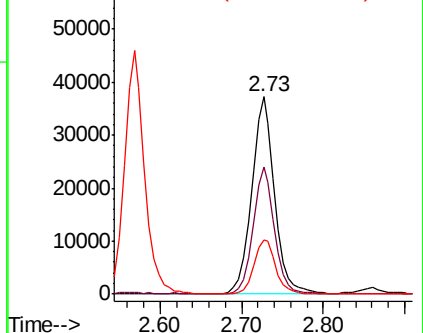
76 26.5 21.8 32.8

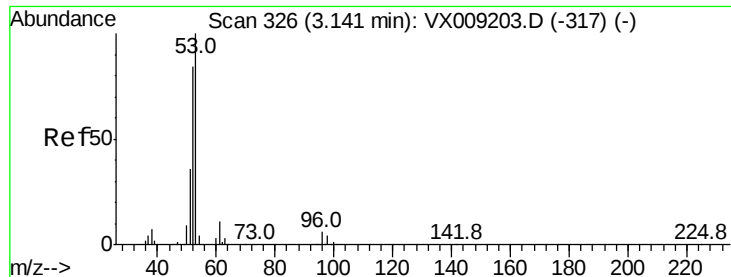


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





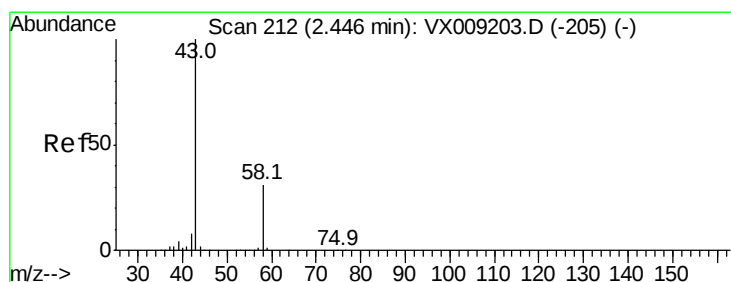
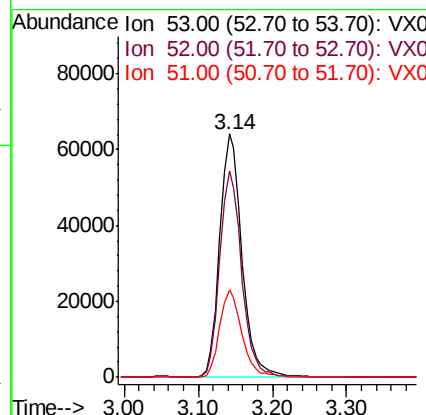
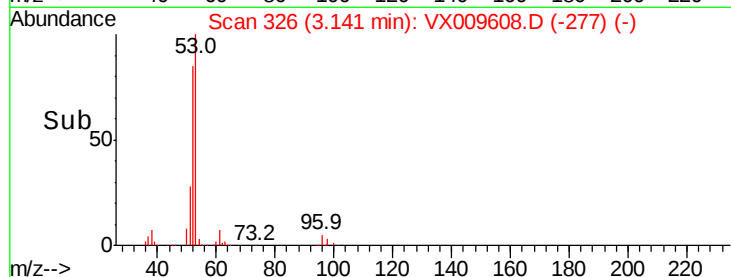
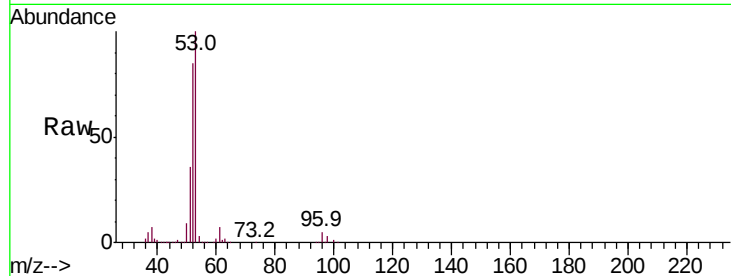
#15
 Acrylonitrile
 Concen: 104.910 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.9	100.3
51	36.3	28.2	42.2

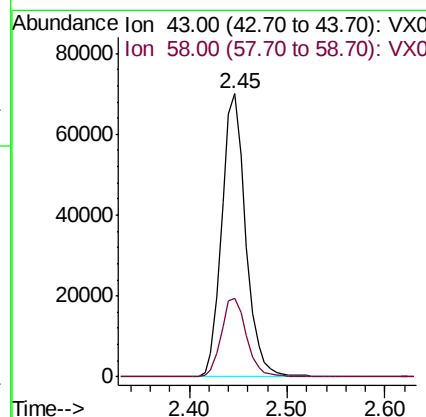
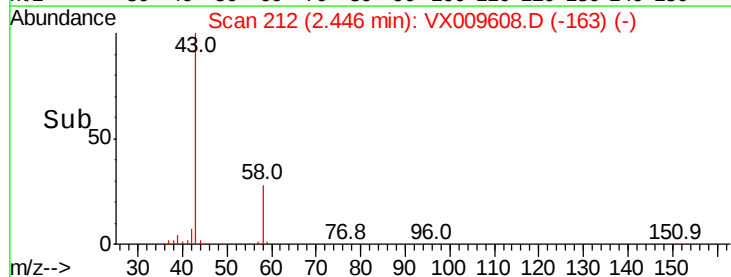
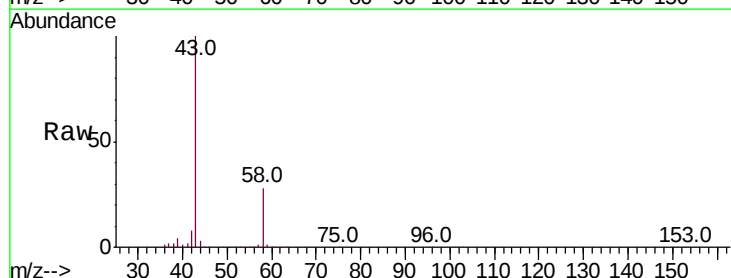
Manual Integrations
 APPROVED

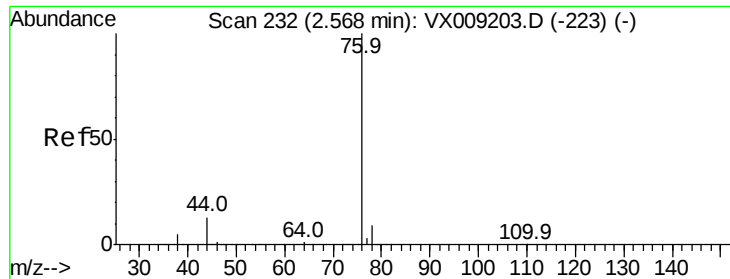
MMDadoda
 5/17/2019 1:09:29 PM



#16
 Acetone
 Concen: 98.528 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.9	37.3





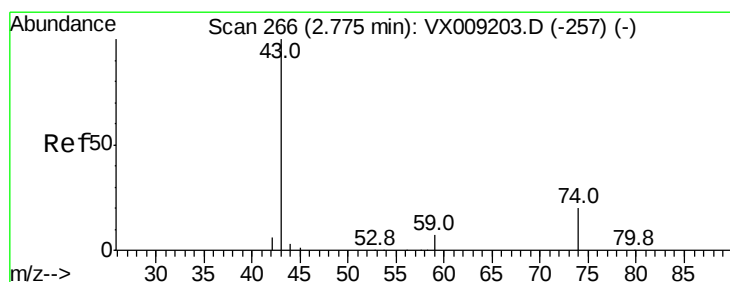
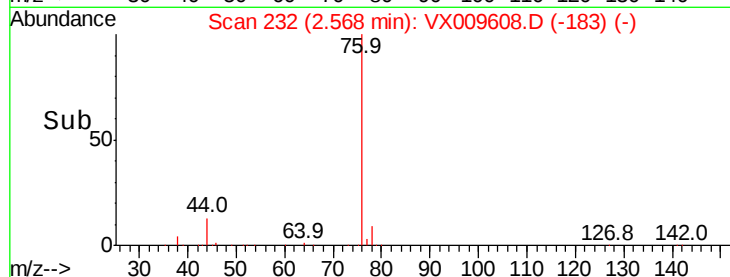
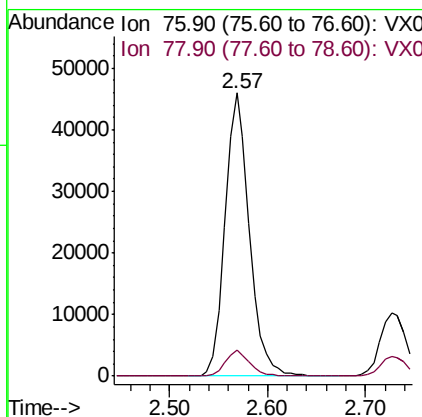
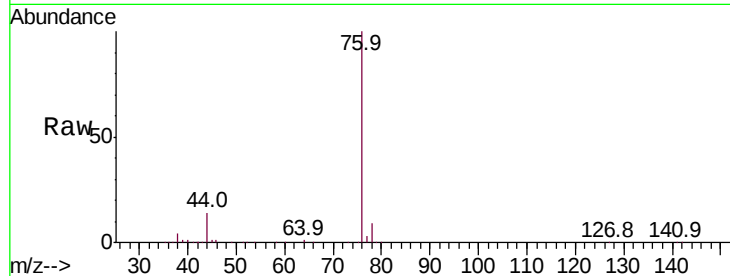
#17
Carbon Disulfide
Concen: 18.343 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBS01

Tot Ion: 76 Resp: 78895
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

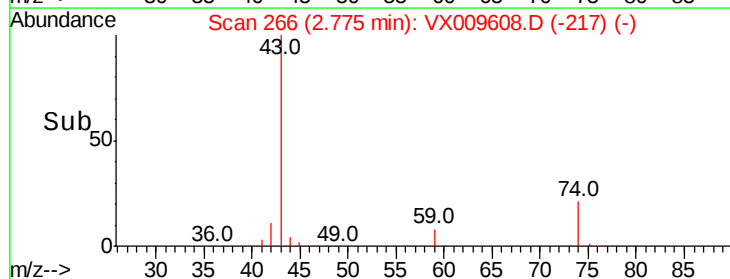
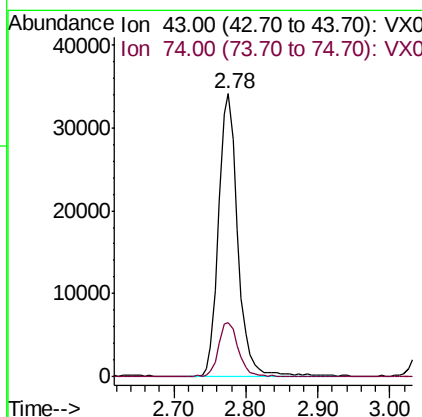
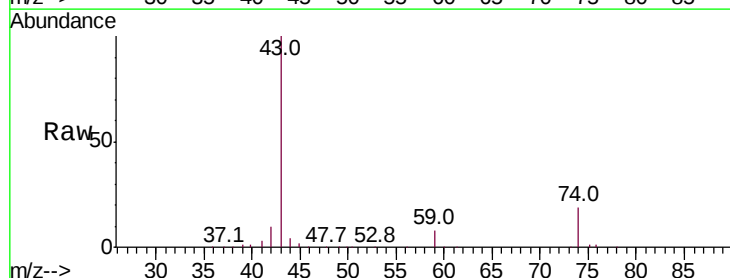
Manual Integrations
APPROVED

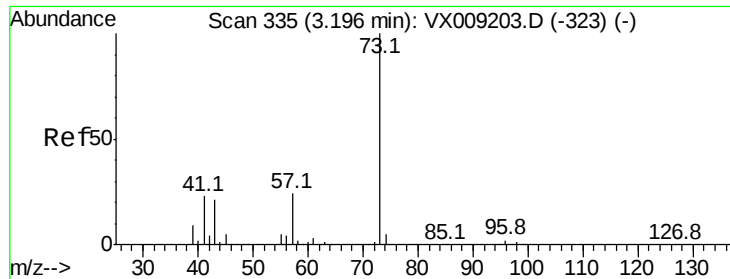
MMDadoda
5/17/2019 1:09:29 PM



#18
Methyl Acetate
Concen: 21.901 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 43 Resp: 62337
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4





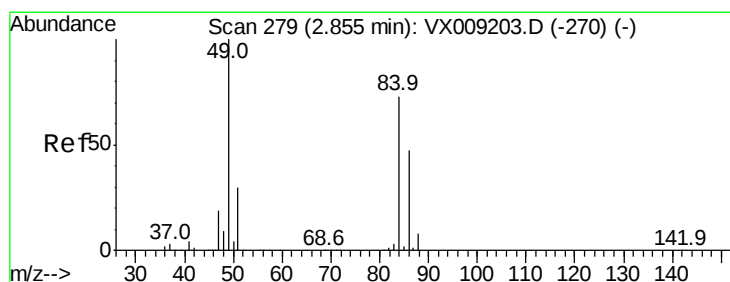
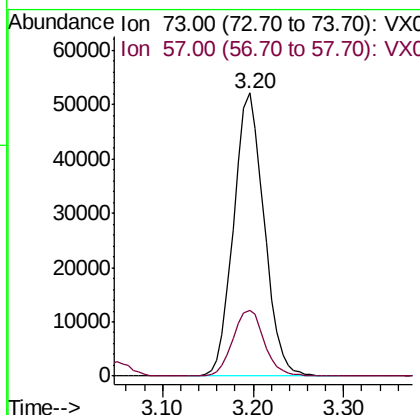
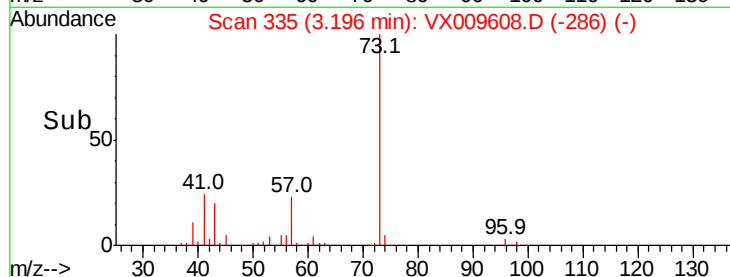
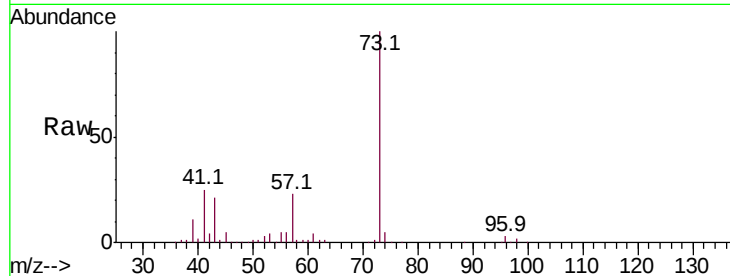
#19
Methvl tert-butvl Ether
Concen: 20.458 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.3	28.9

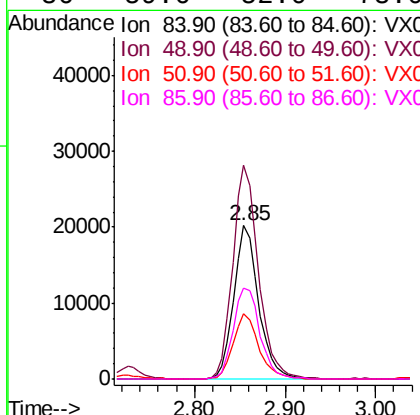
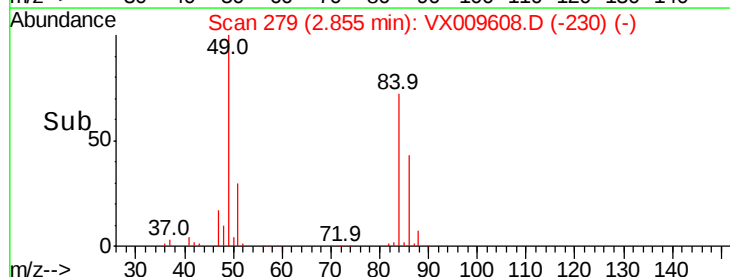
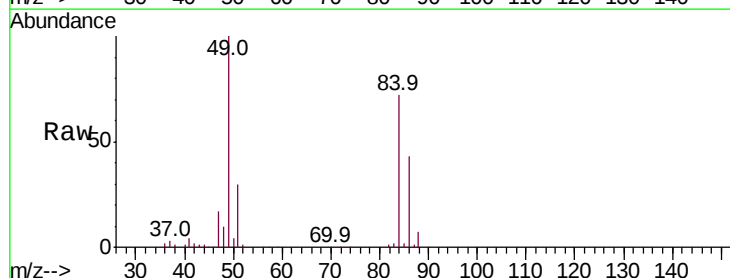
Manual Integrations
APPROVED

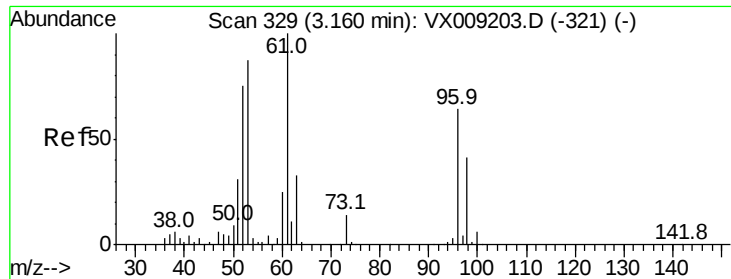
MMDadoda
5/17/2019 1:09:29 PM



#20
Methylene Chloride
Concen: 19.865 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	109.9	164.9
51	42.4	32.7	49.1
86	59.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 96 Resp: 33563

Ion Ratio Lower Upper

96 100

61 155.9 124.5 186.7

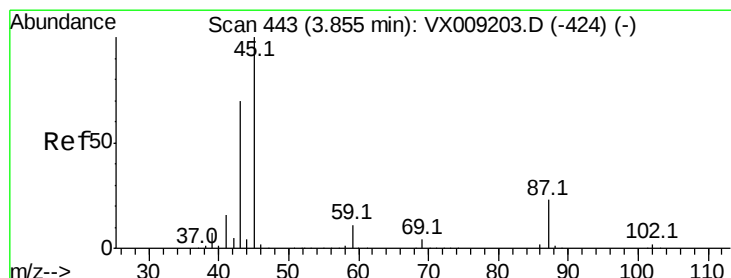
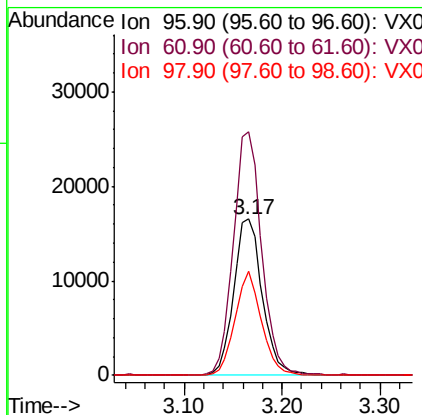
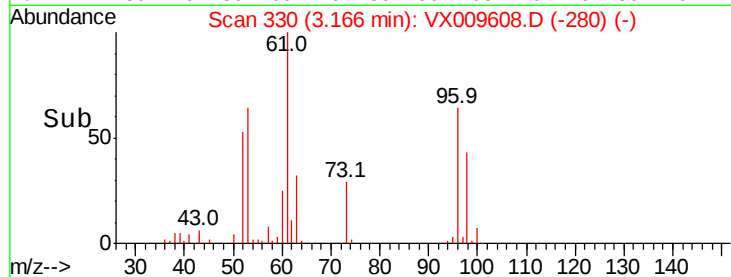
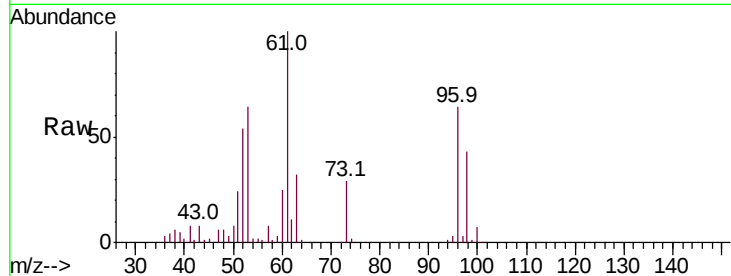
98 67.1 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#22

Diisopropyl ether

Concen: 21.029 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion: 45 Resp: 150983

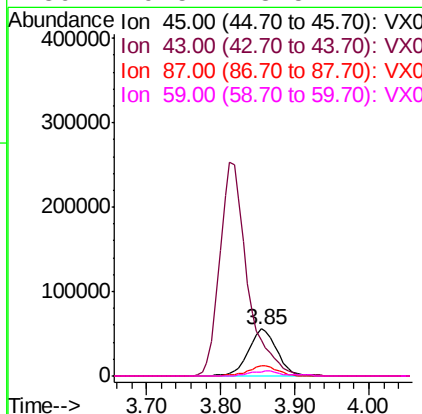
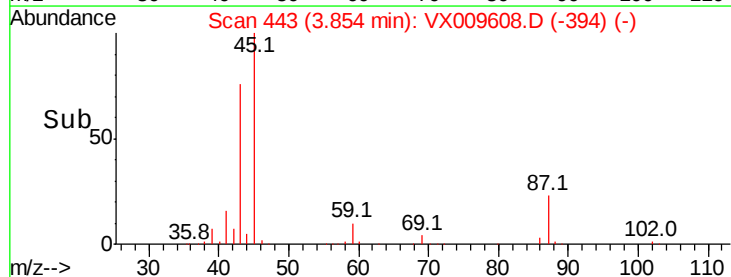
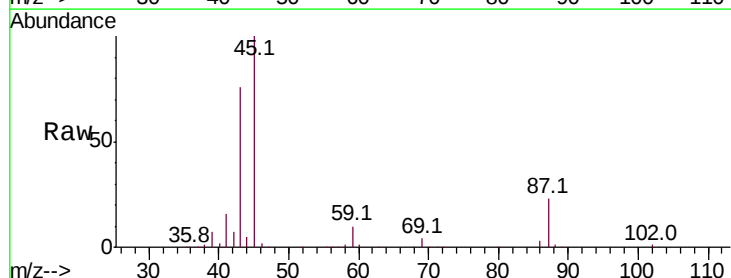
Ion Ratio Lower Upper

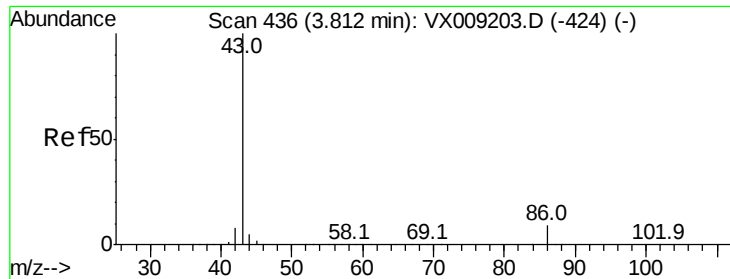
45 100

43 75.5 56.1 84.1

87 23.1 18.1 27.1

59 9.5 8.5 12.7





#23

Vinyl Acetate

Concen: 106.695 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 43 Resp: 655972

Ion Ratio Lower Upper

43 100

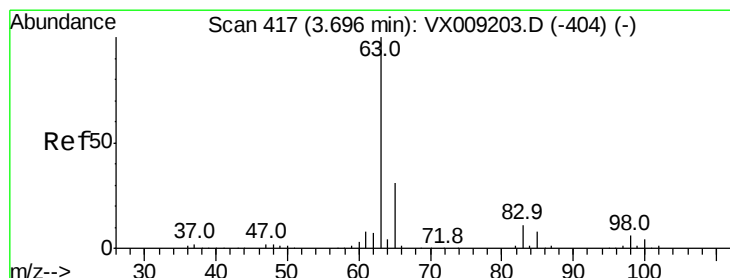
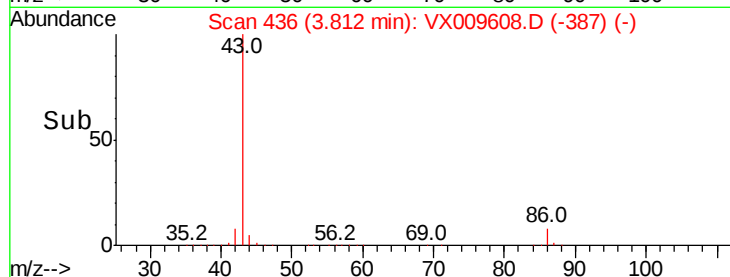
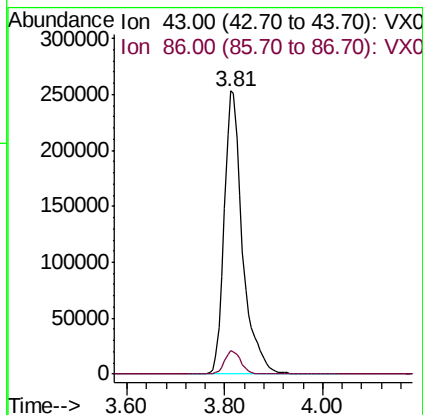
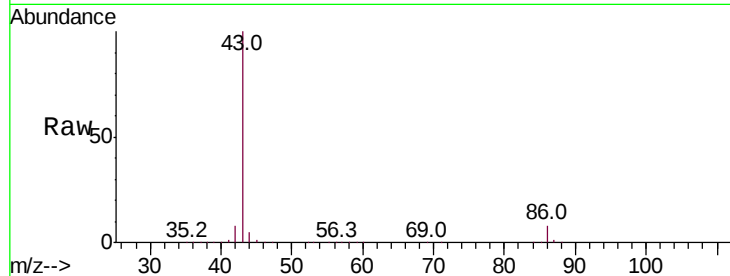
86 8.2 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#24

1,1-Dichloroethane

Concen: 20.063 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

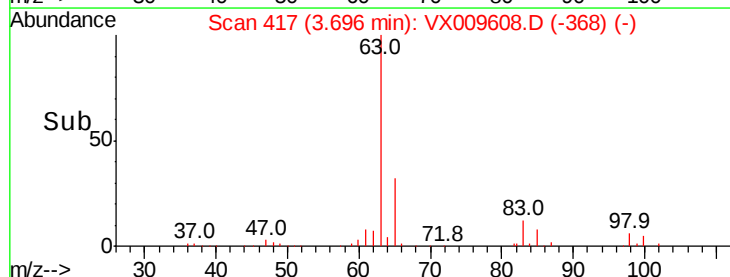
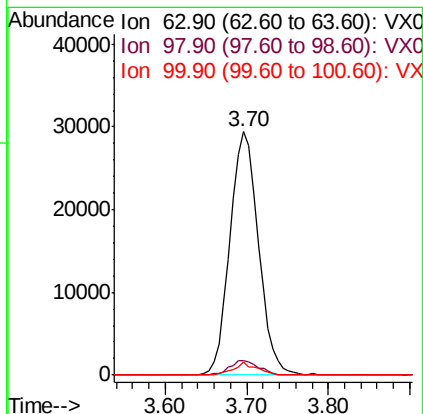
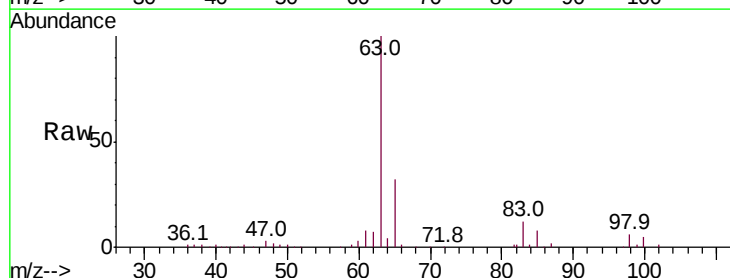
Tgt Ion: 63 Resp: 71062

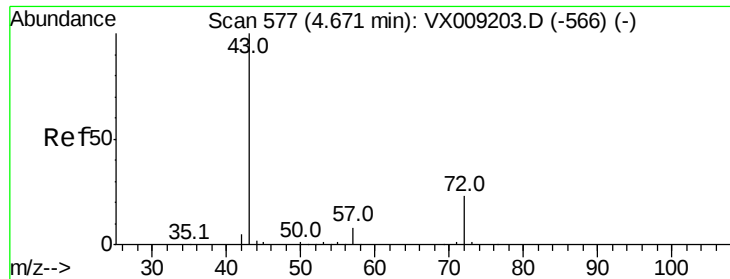
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 5.4 2.0 6.0





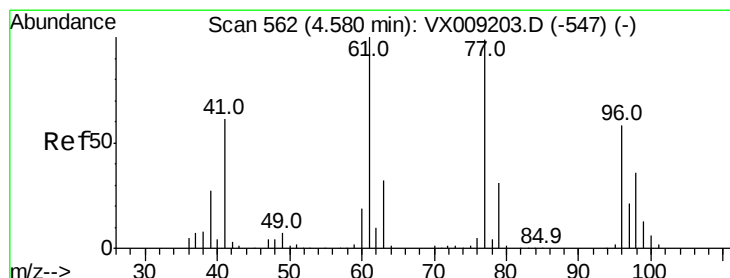
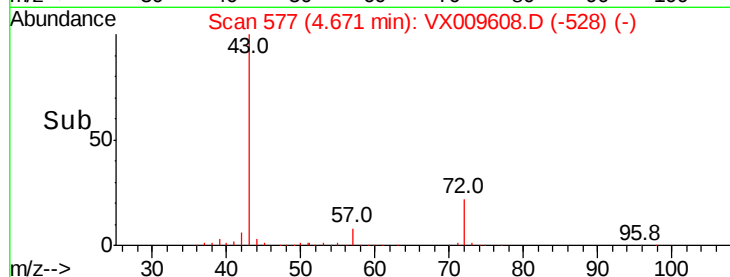
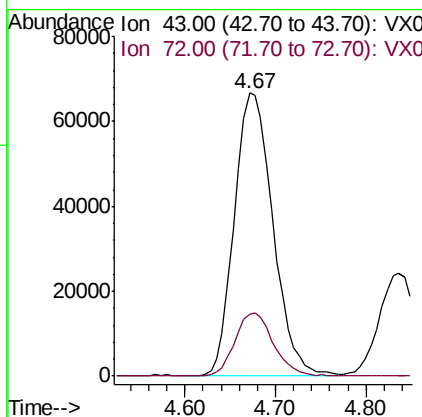
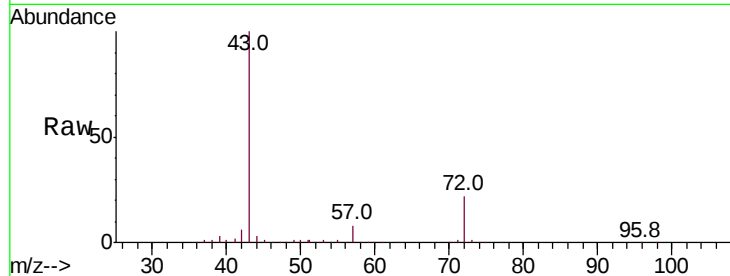
#25
2-Butanone
Concen: 105.387 ug/l
RT: 4.67 min Scan# 577
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 43 Resp: 196000
Ion Ratio Lower Upper
43 100
72 21.6 18.2 27.2

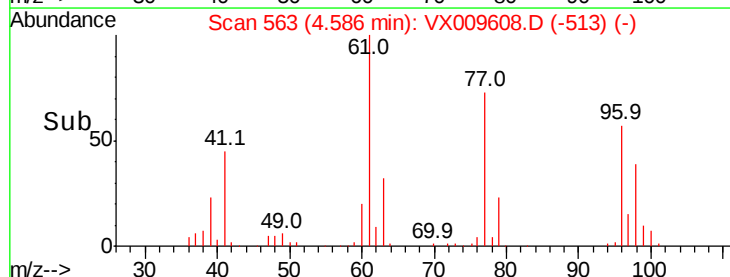
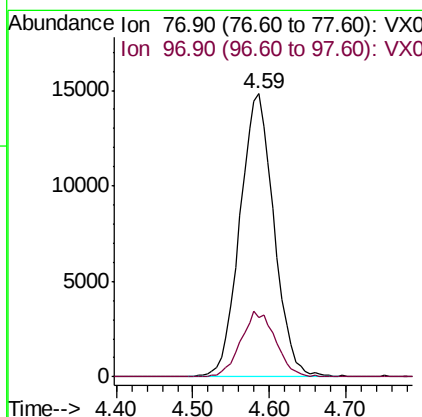
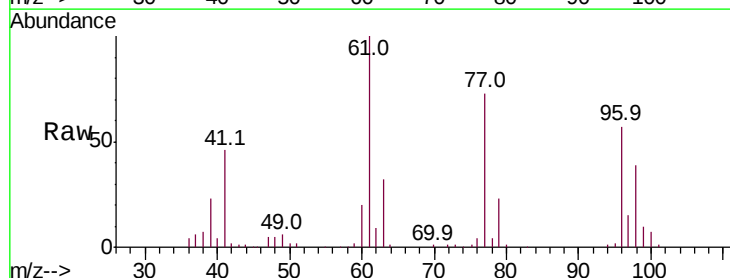
Manual Integrations
APPROVED

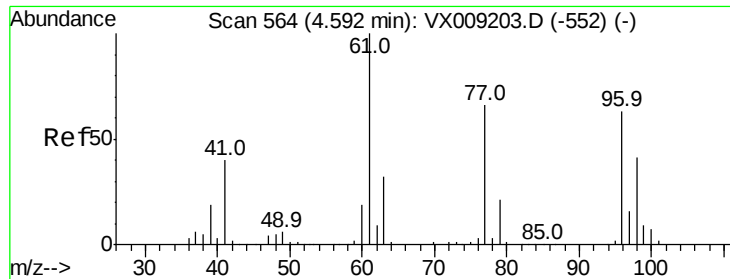
MMDadoda
5/17/2019 1:09:29 PM



#26
2,2-Dichloropropane
Concen: 17.351 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 77 Resp: 45744
Ion Ratio Lower Upper
77 100
97 23.6 11.5 34.4





#27

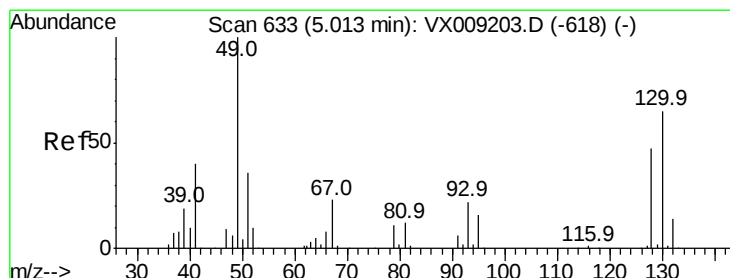
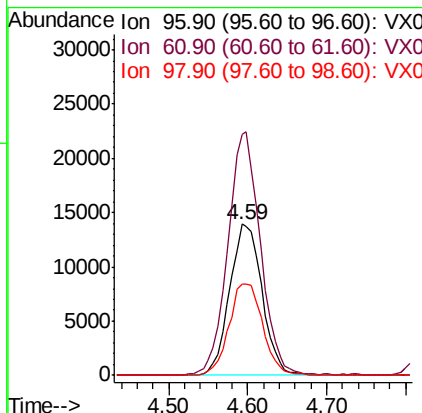
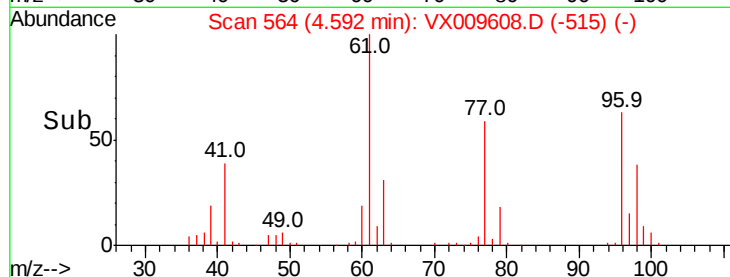
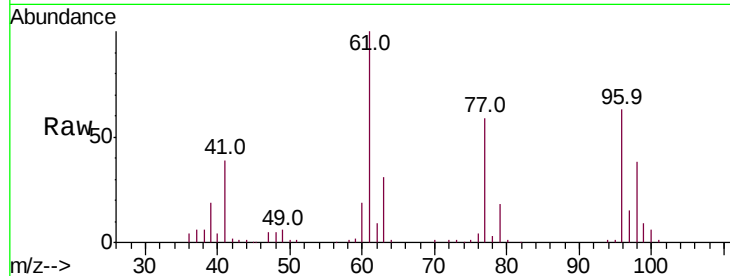
cis-1,2-Dichloroethene
Concen: 20.167 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	324.0
98	62.9	0.0	130.4

Manual Integrations
APPROVED

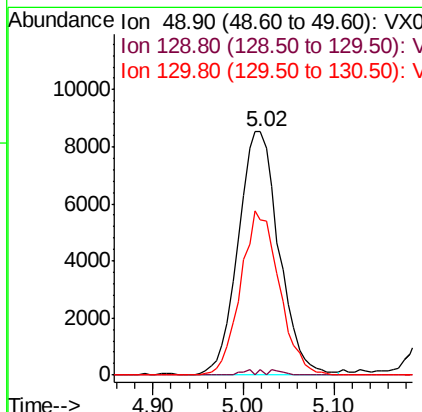
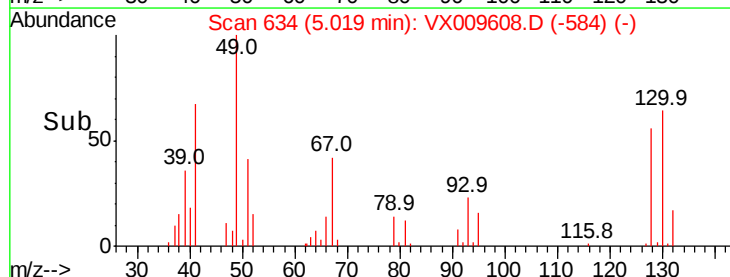
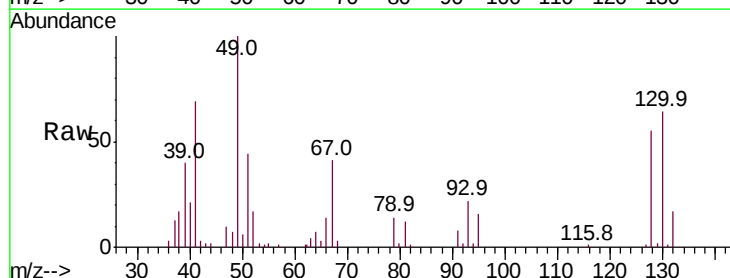
MMDadoda
5/17/2019 1:09:29 PM

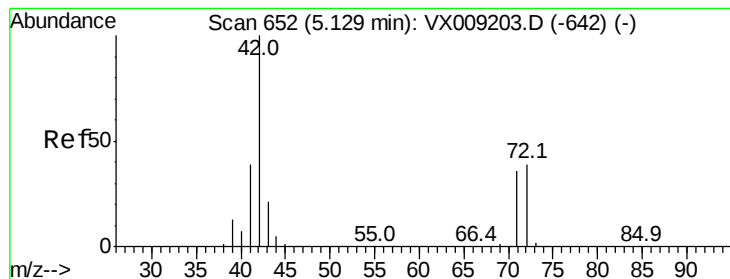


#28

Bromochloromethane
Concen: 16.871 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	63.5	51.2	76.8





#29

Tetrahydrofuran

Concen: 108.684 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 42 Resp: 130070

Ion Ratio Lower Upper

42 100

72 37.5 30.4 45.6

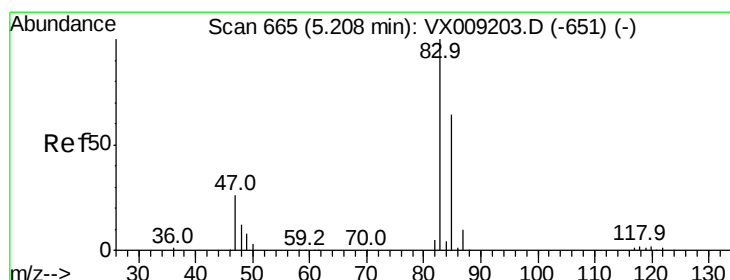
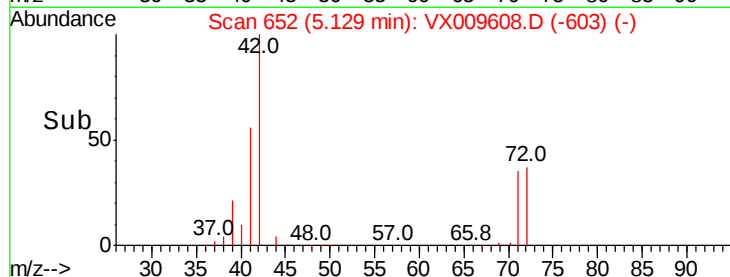
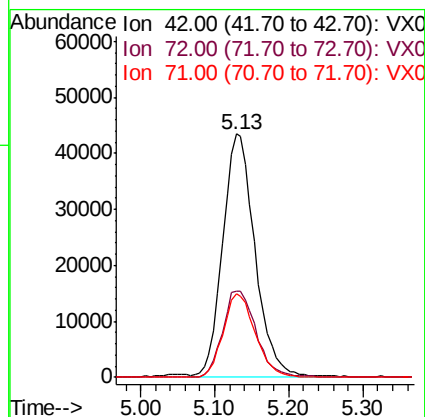
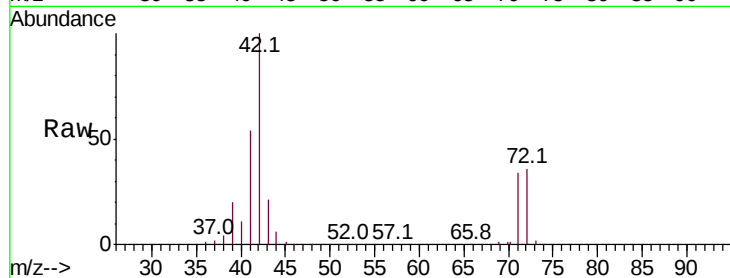
71 34.8 28.6 43.0

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#30

Chloroform

Concen: 20.564 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009608.D

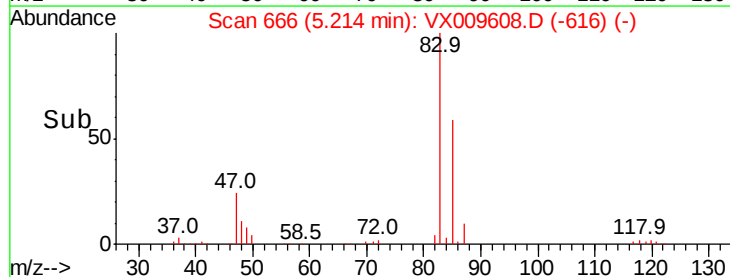
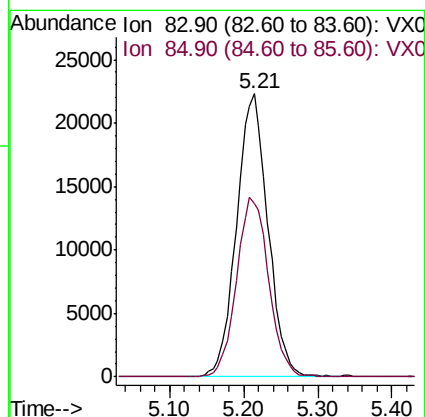
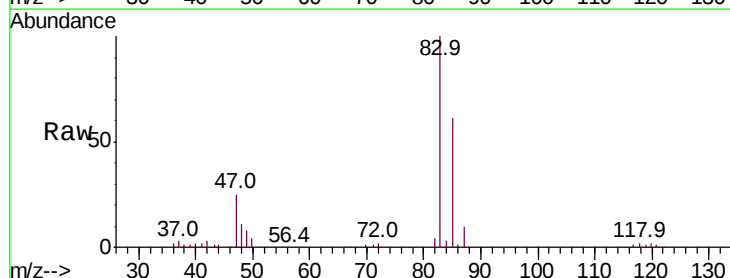
Acq: 16 May 2019 15:34

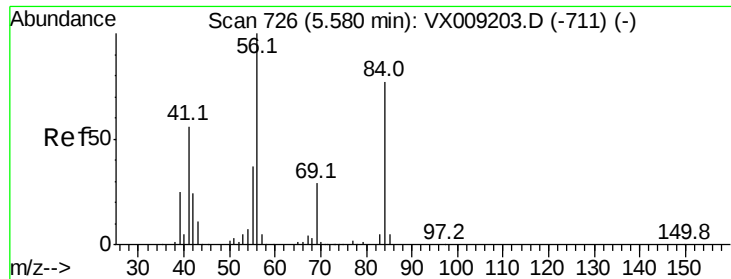
Tgt Ion: 83 Resp: 65875

Ion Ratio Lower Upper

83 100

85 61.3 51.5 77.3





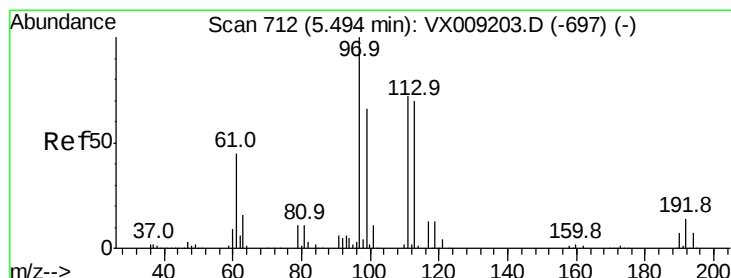
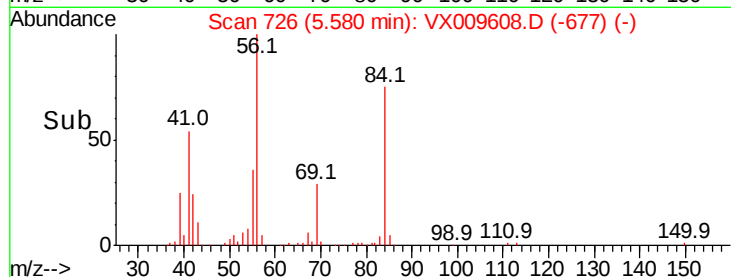
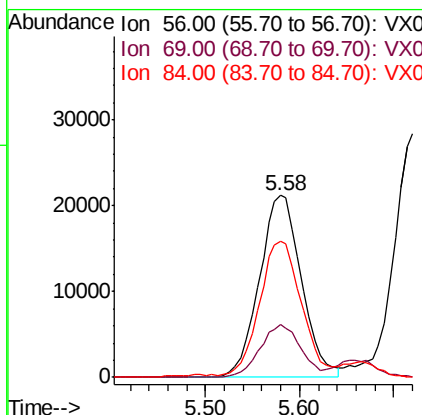
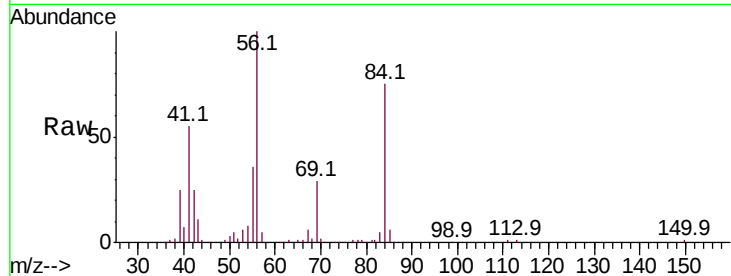
#31
Cyclohexane
Concen: 20.025 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.4	35.0
84	73.5	61.9	92.9

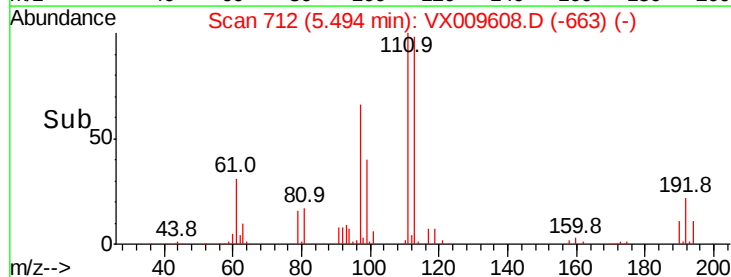
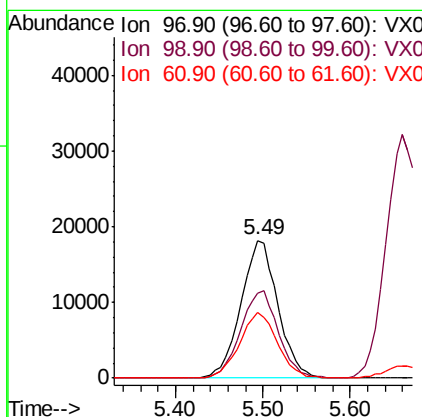
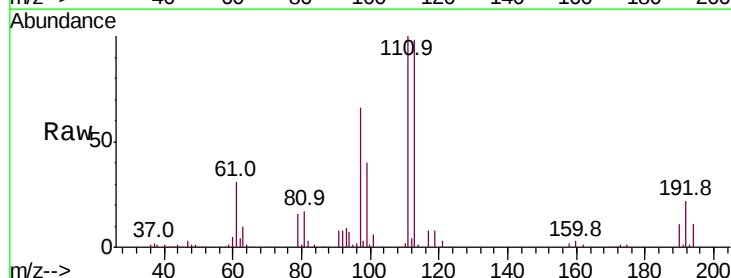
Manual Integrations
APPROVED

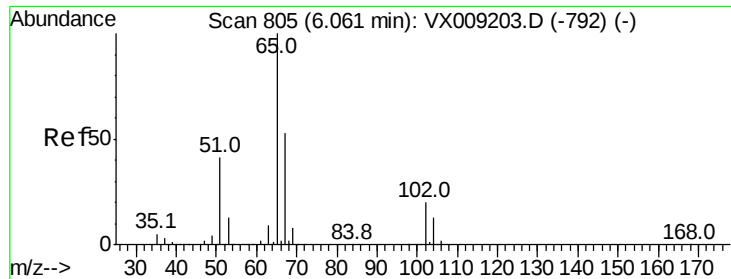
MMDadoda
5/17/2019 1:09:29 PM



#32
1,1,1-Trichloroethane
Concen: 19.916 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	49.3	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.678 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 65 Resp: 108496

Ion Ratio Lower Upper

65 100

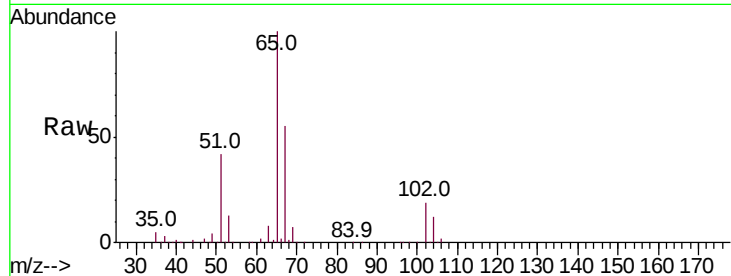
67 53.9 0.0 106.6

Manual Integrations

APPROVED

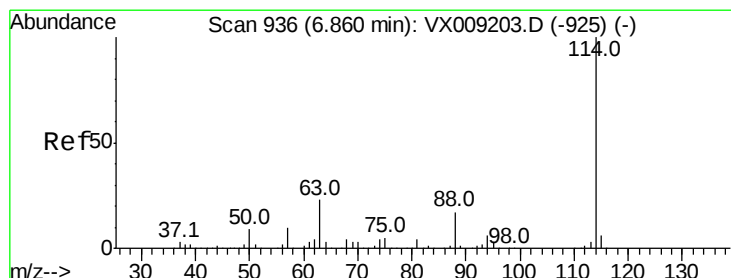
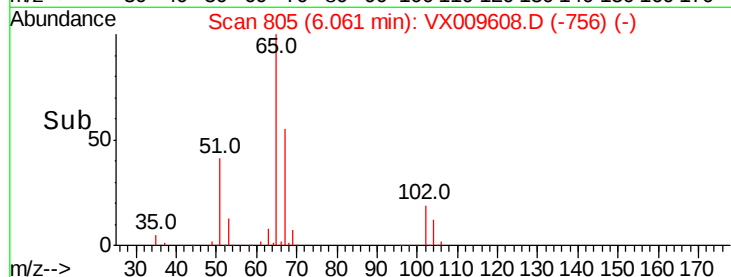
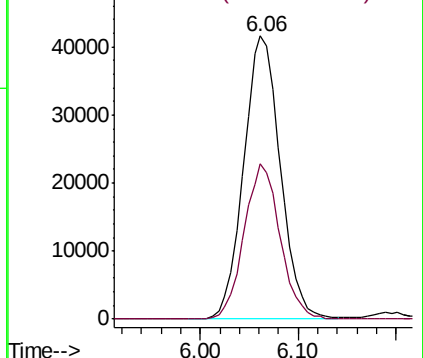
MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

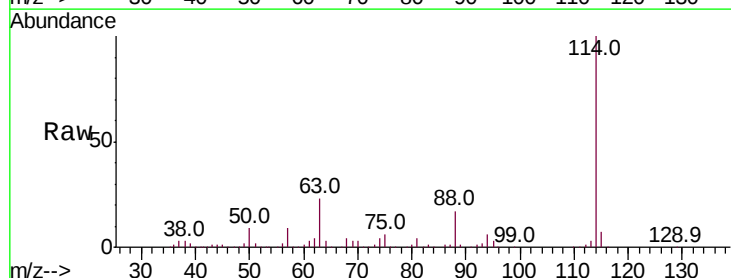
Tgt Ion:114 Resp: 262571

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

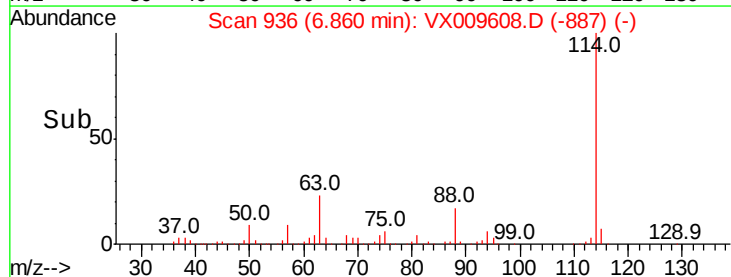
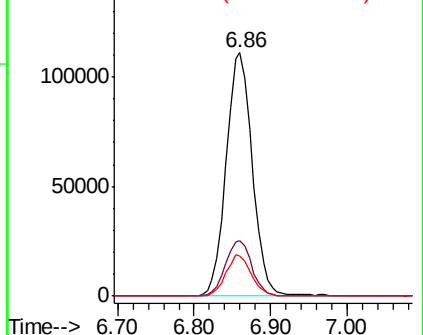
88 16.7 0.0 33.2

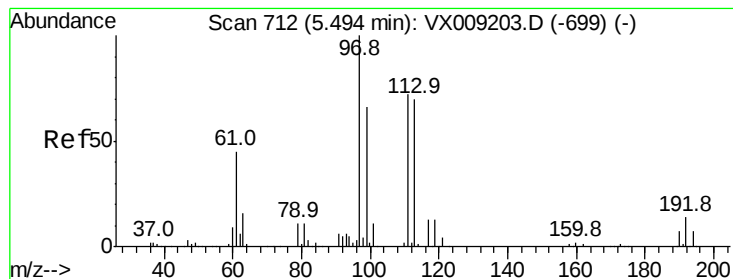


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.372 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

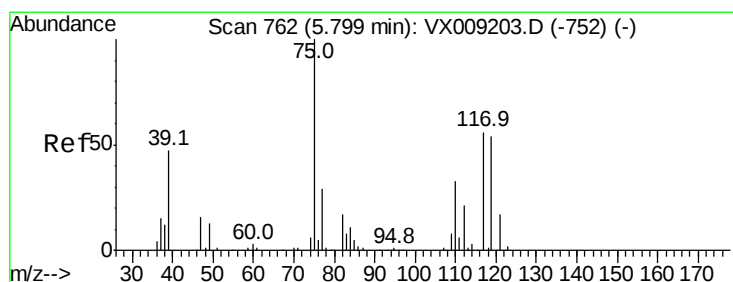
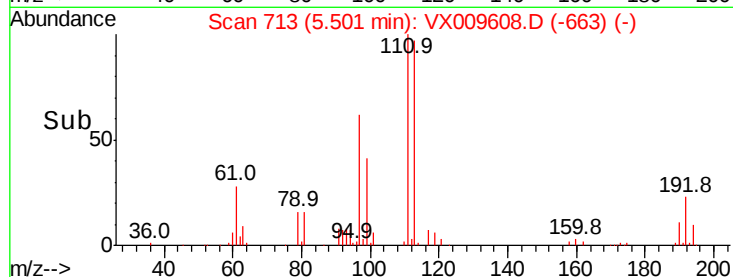
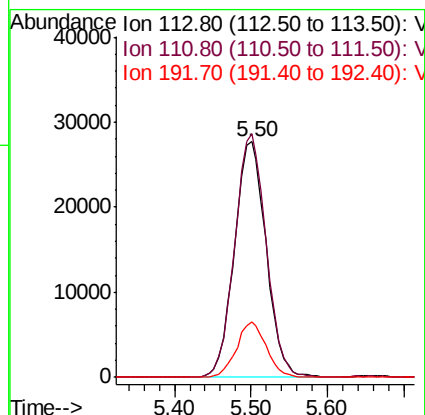
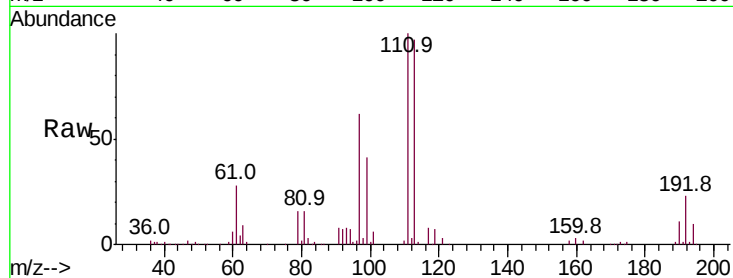
ClientSampleId :

VX0516MBSD01

Tot Ion:	113	Resp:	79844
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.8	124.2
192	22.0	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#36

1,1-Dichloropropene

Concen: 19.900 ug/l

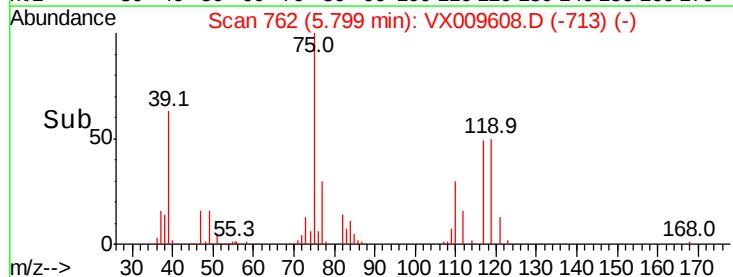
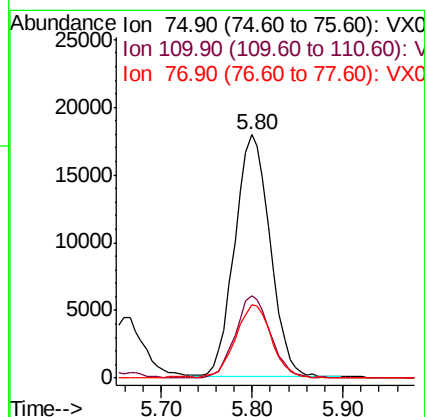
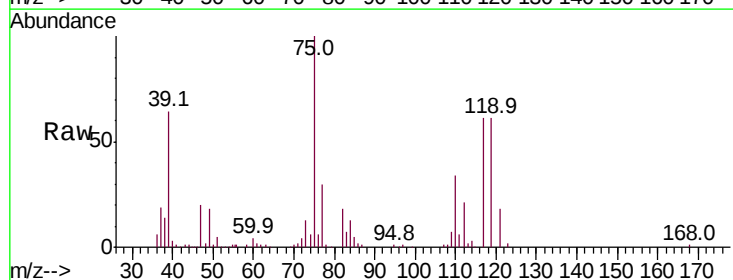
RT: 5.80 min Scan# 762

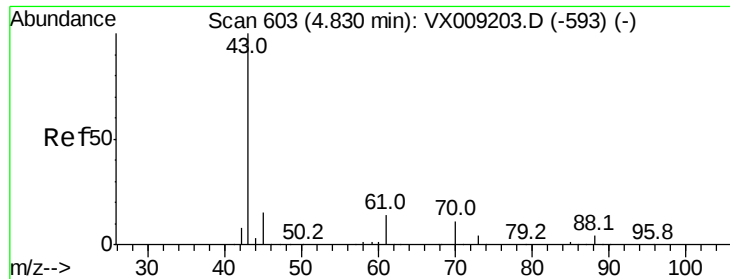
Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	75	Resp:	48558
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.9	50.6
77	31.1	24.8	37.2





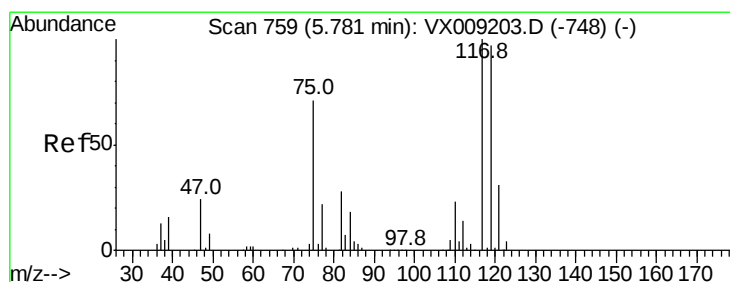
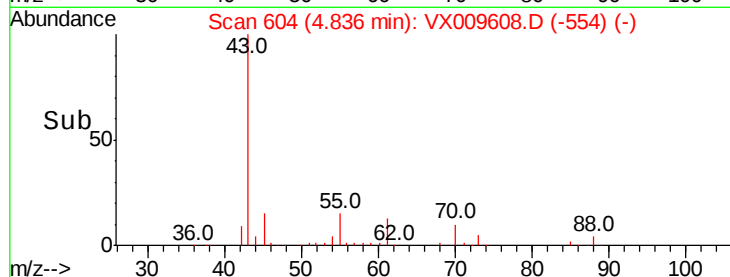
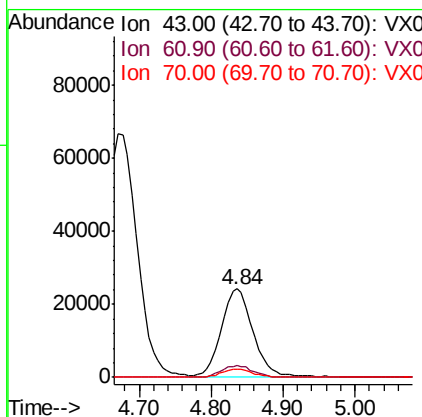
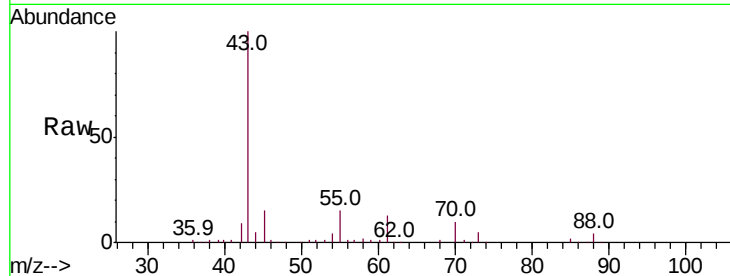
#37
Ethyl Acetate
Concen: 21.699 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	43	Ratio	100	Resp	73771
Ion	43	100		Lower	Upper
	61	13.4		10.5	15.7
	70	9.3		7.9	11.9

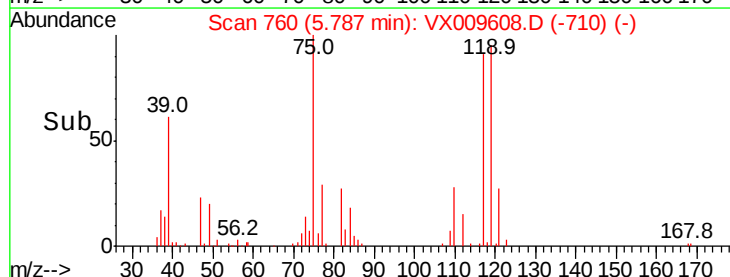
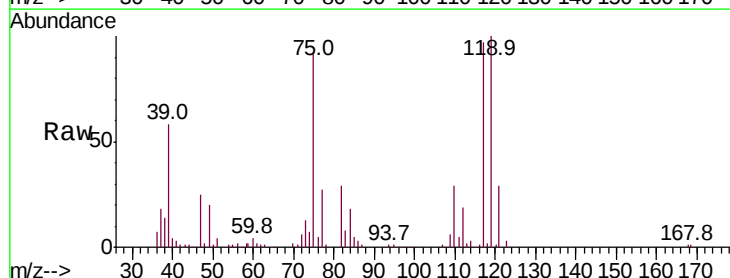
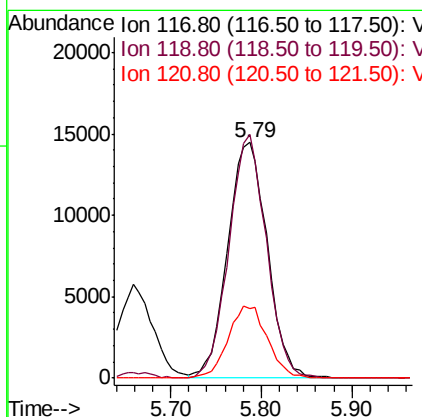
Manual Integrations
APPROVED

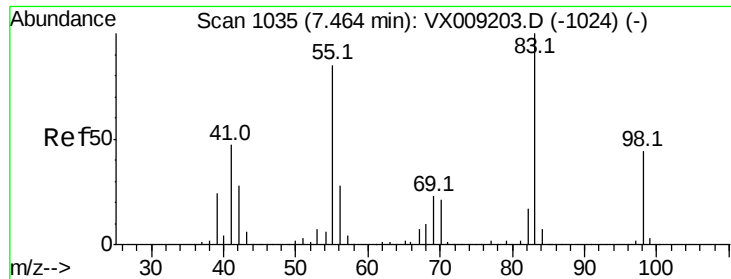
MMDadoda
5/17/2019 1:09:29 PM



#38
Carbon Tetrachloride
Concen: 19.778 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	117	Ratio	100	Resp	43847
Ion	117	100		Lower	Upper
	119	103.4		77.5	116.3
	121	29.7		24.7	37.1





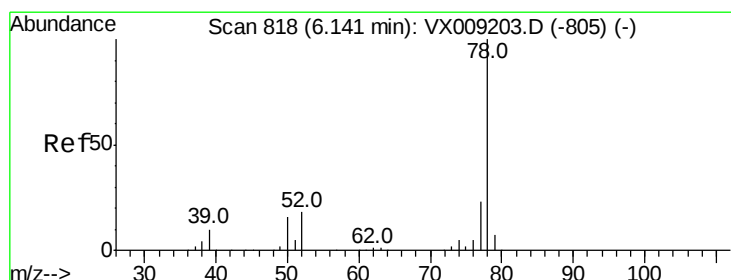
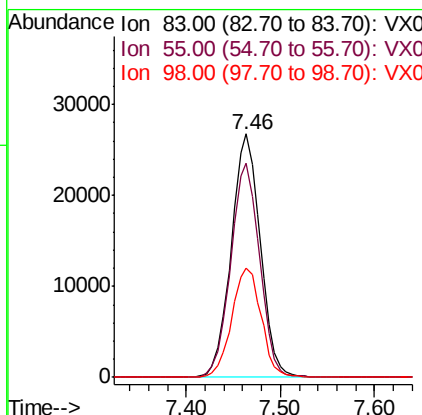
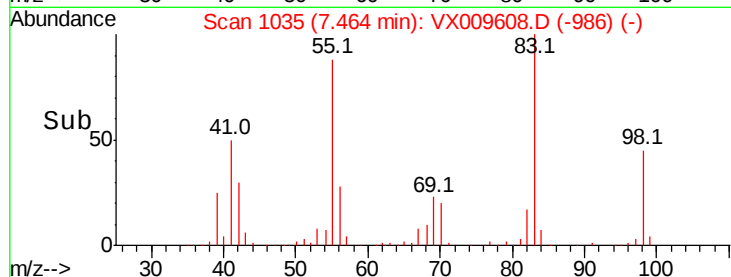
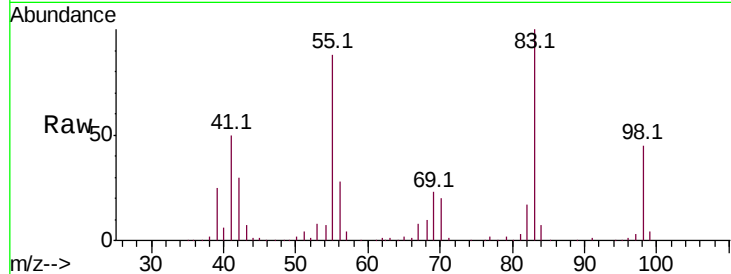
#39
Methvlcvclohexane
Concen: 19.162 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampled :
VX0516MBSD01

Tot Ion: 83 Resp: 57423
Ion Ratio Lower Upper
83 100
55 87.8 67.7 101.5
98 45.0 35.5 53.3

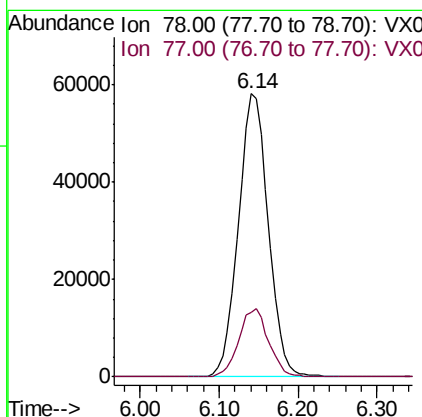
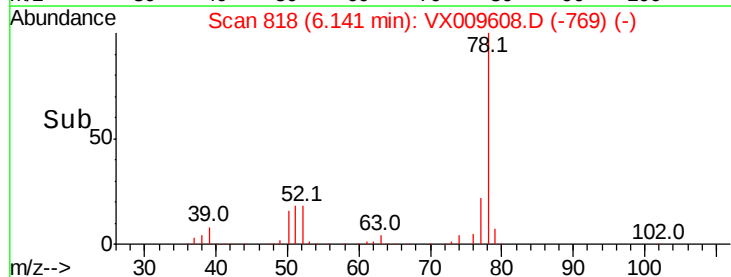
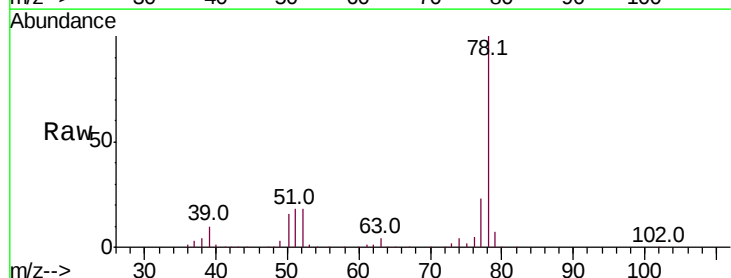
Manual Integrations
APPROVED

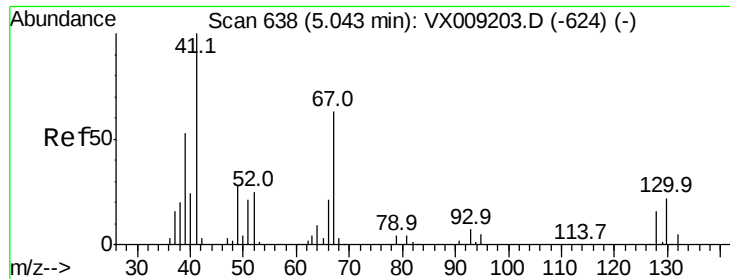
MMDadoda
5/17/2019 1:09:29 PM



#40
Benzene
Concen: 20.306 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 78 Resp: 153348
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2





#41

Methacrylonitrile

Concen: 19.978 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

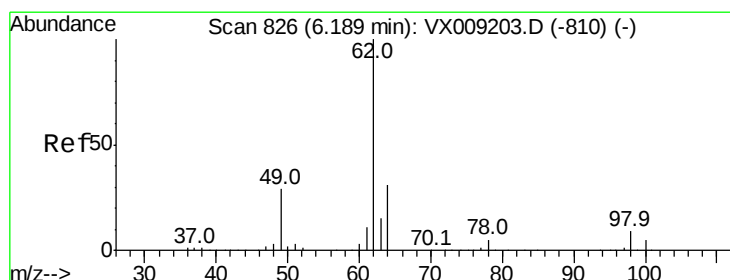
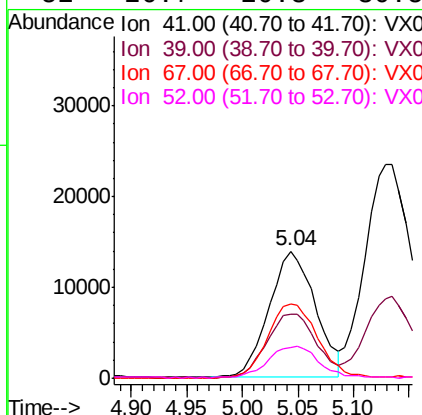
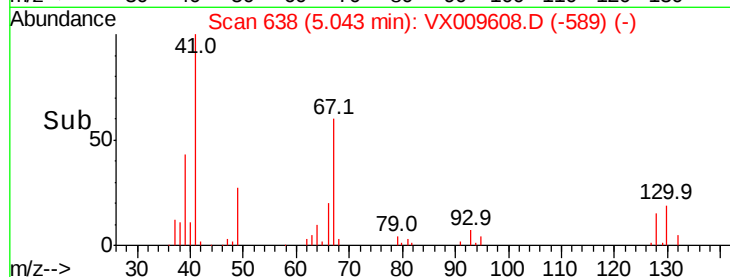
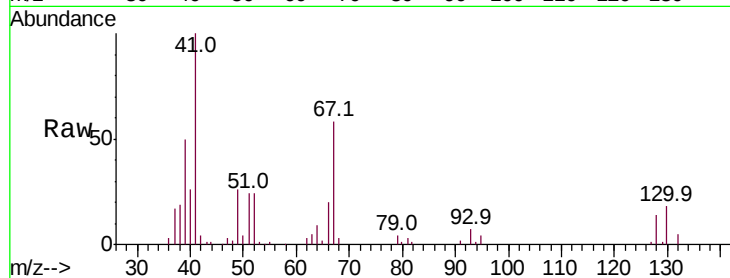
ClientSampleId :

VX0516MBSD01

Tot Ion:	41	Resp:	40432
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.0	63.0
67	63.4	49.8	74.8
52	26.7	20.3	30.5

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#42

1,2-Dichloroethane

Concen: 20.844 ug/l

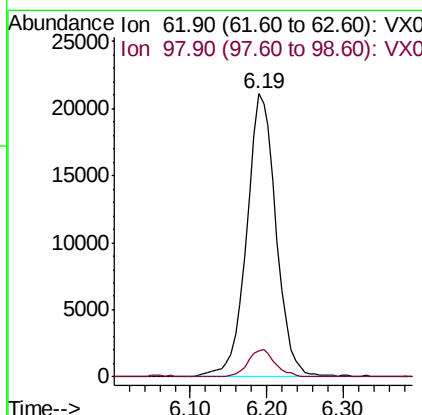
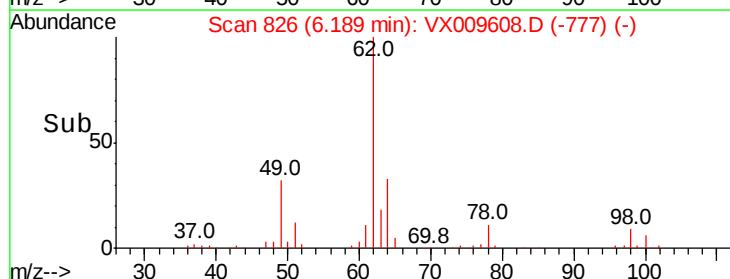
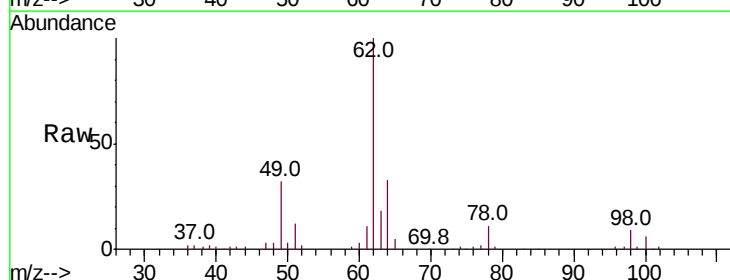
RT: 6.19 min Scan# 826

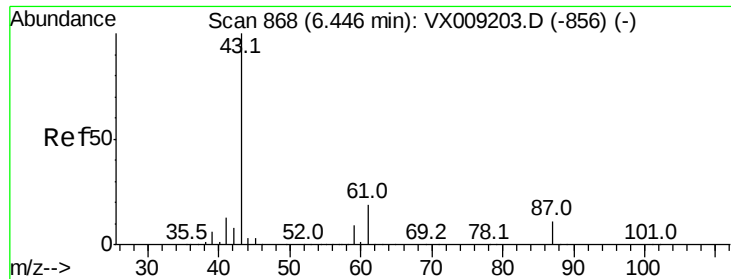
Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	62	Resp:	56464
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 21.045 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

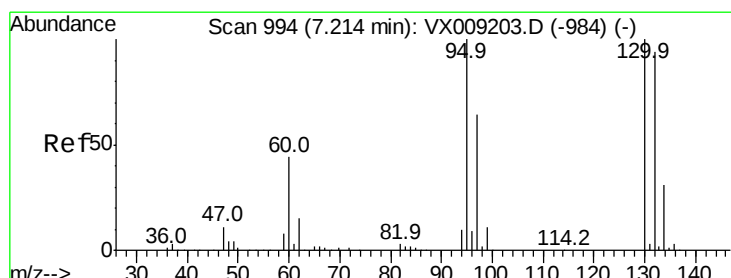
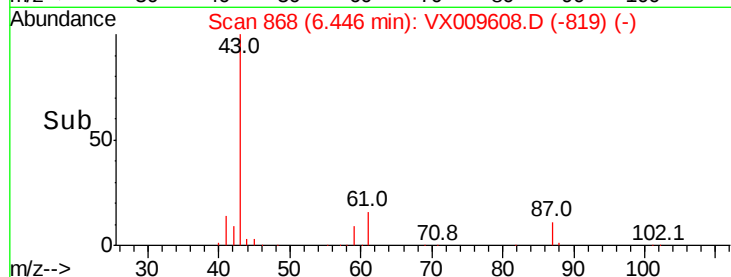
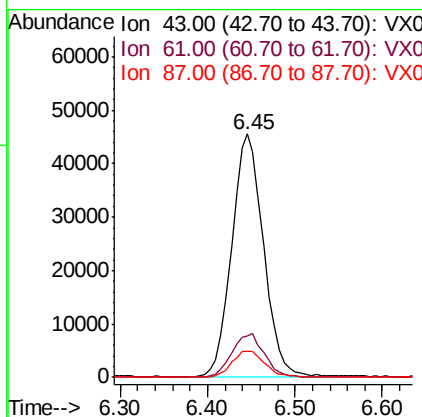
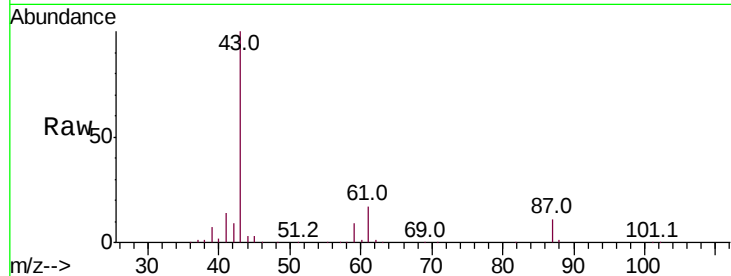
ClientSampleId :

VX0516MBS01

Tot Ion:	43	Resp:	114446
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#44

Trichloroethene

Concen: 19.324 ug/l

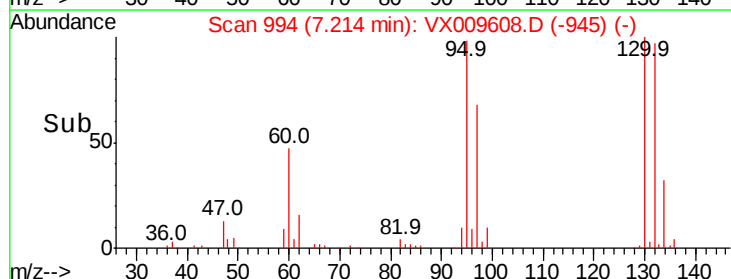
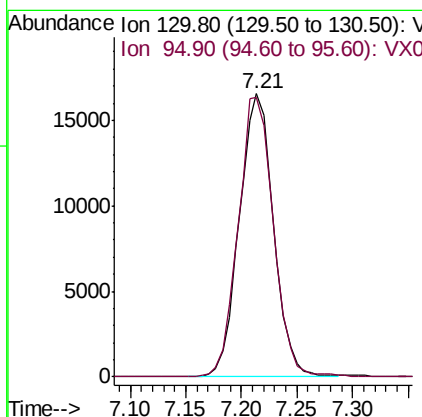
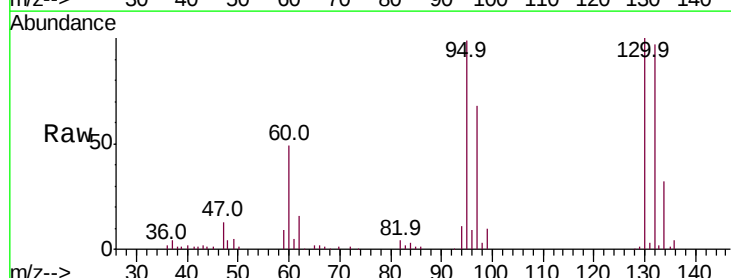
RT: 7.21 min Scan# 994

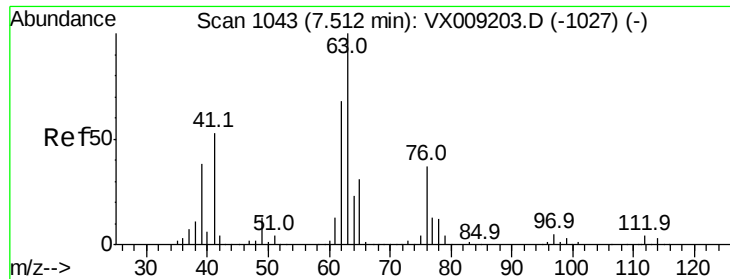
Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	130	Resp:	35278
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	199.2





#45

1,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 63 Resp: 44681

Ion Ratio Lower Upper

63 100

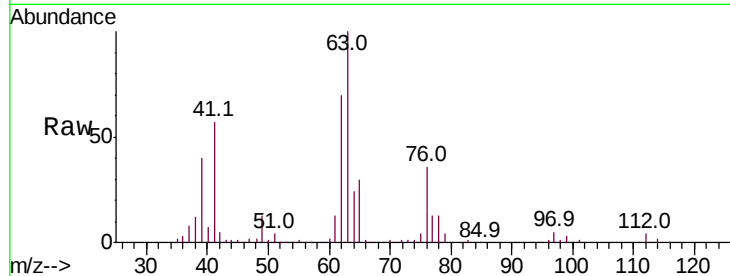
65 30.5 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

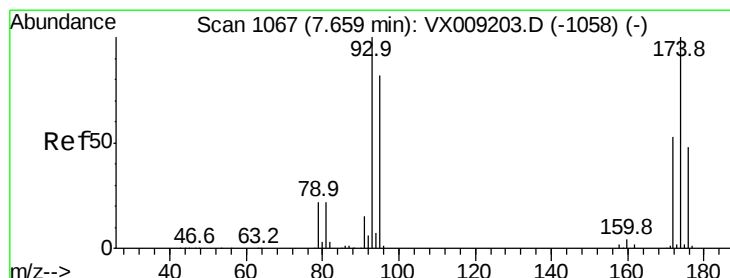
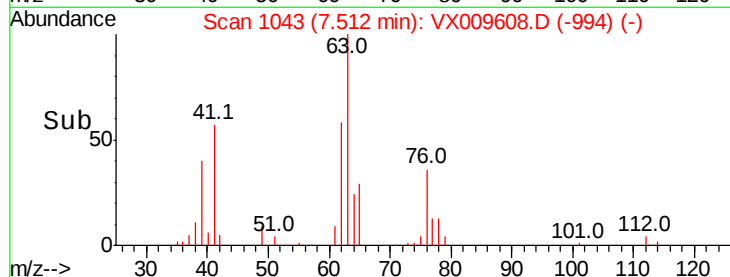
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.009 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

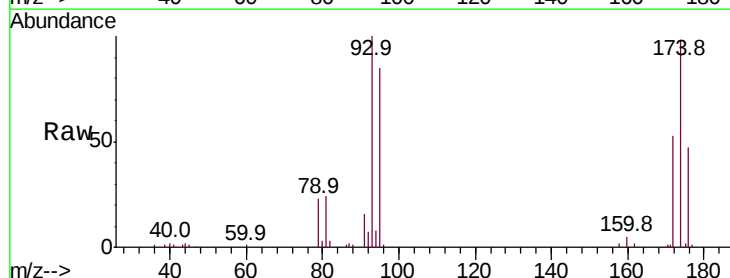
Tgt Ion: 93 Resp: 24846

Ion Ratio Lower Upper

93 100

95 85.5 66.5 99.7

174 105.3 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

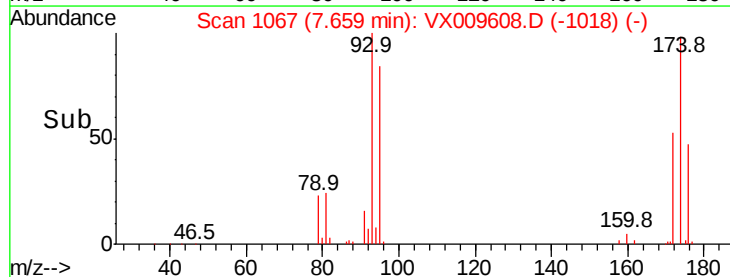
10000

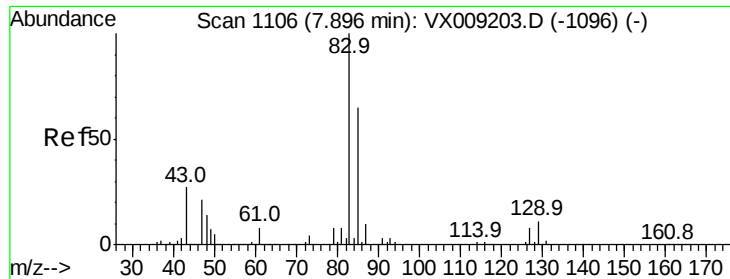
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 20.091 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

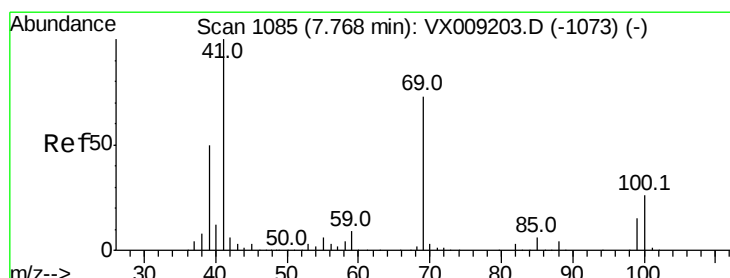
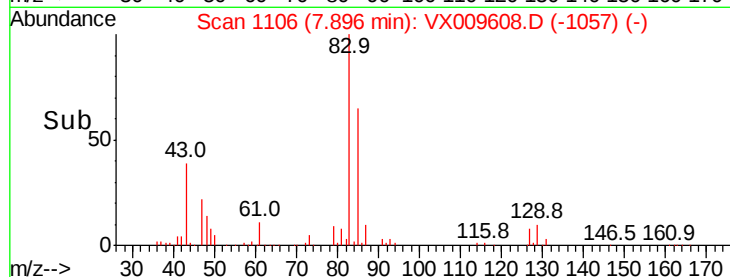
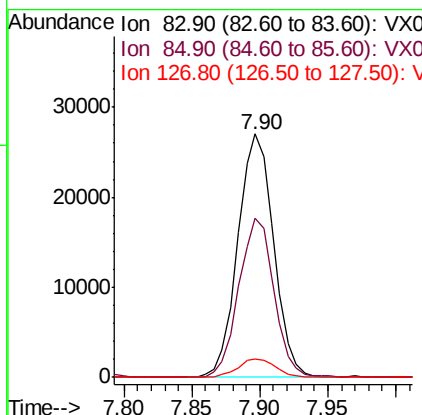
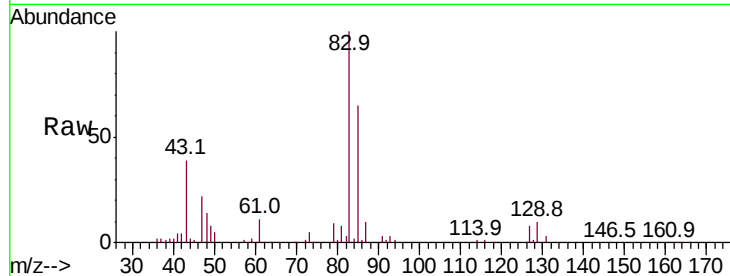
ClientSampleId :

VX0516MBSD01

Tot Ion:	83	Resp:	49764
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.4	78.6
127	7.5	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#48

Methyl methacrylate

Concen: 21.297 ug/l

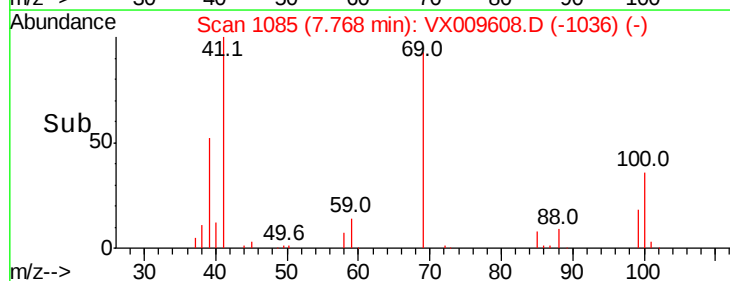
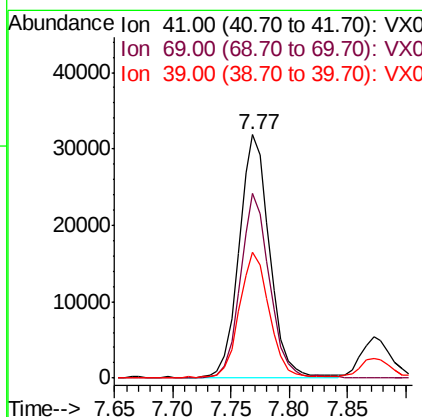
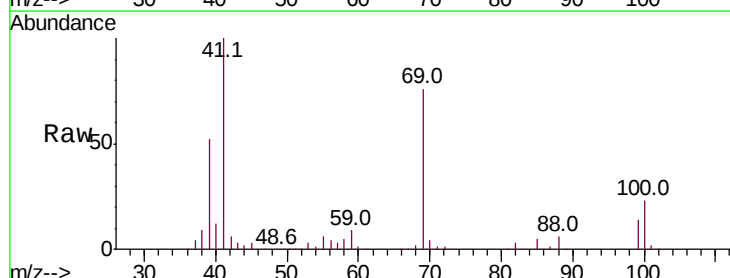
RT: 7.77 min Scan# 1085

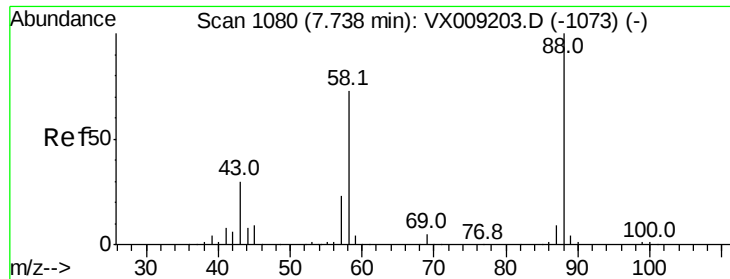
Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	41	Resp:	57460
Ion	Ratio	Lower	Upper
41	100		
69	73.9	59.1	88.7
39	50.7	40.4	60.6





#49

1,4-Dioxane

Concen: 422.443 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

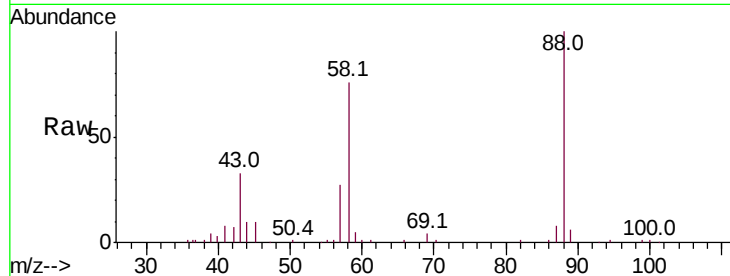
ClientSampleId :

VX0516MBSD01

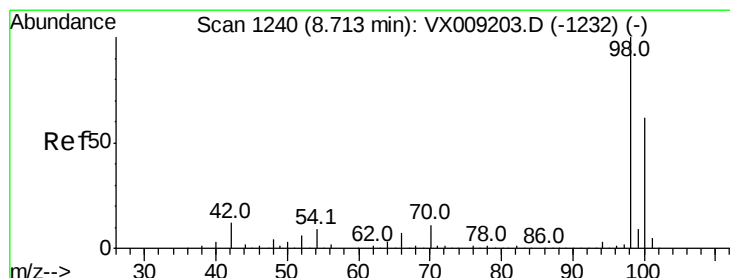
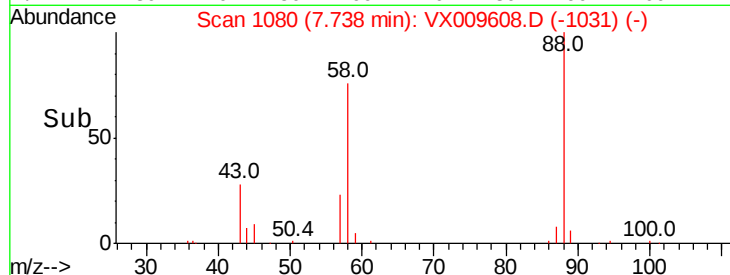
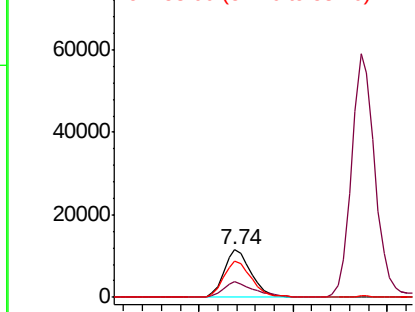
Tot Ion:	88	Resp:	23114
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.6	42.8
58	78.6	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.848 ug/l

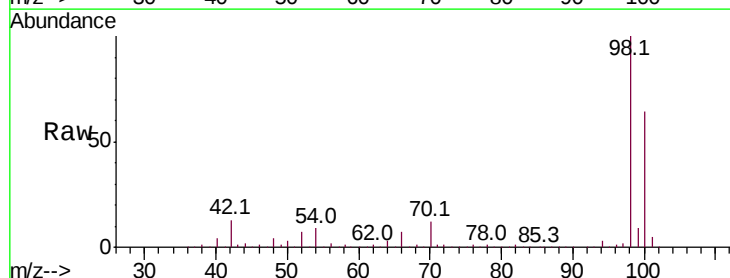
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

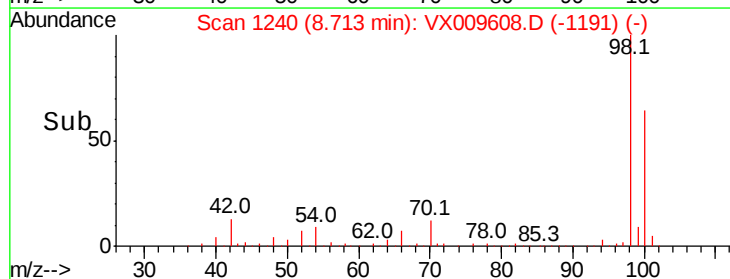
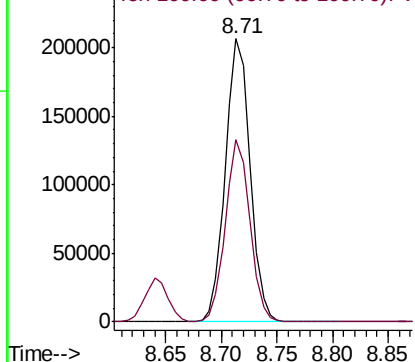
Lab File: VX009608.D

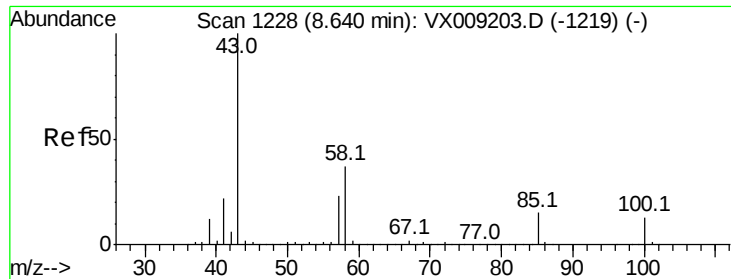
Acq: 16 May 2019 15:34

Tgt Ion:	98	Resp:	318859
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 109.333 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 43 Resp: 388622

Ion Ratio Lower Upper

43 100

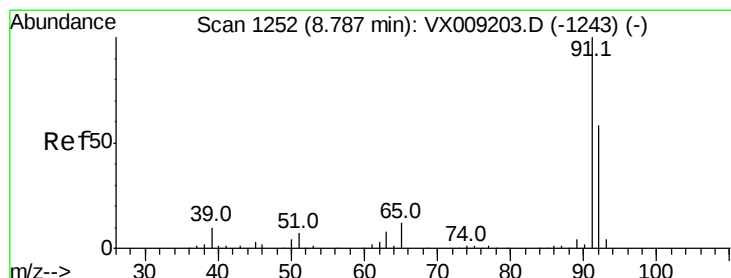
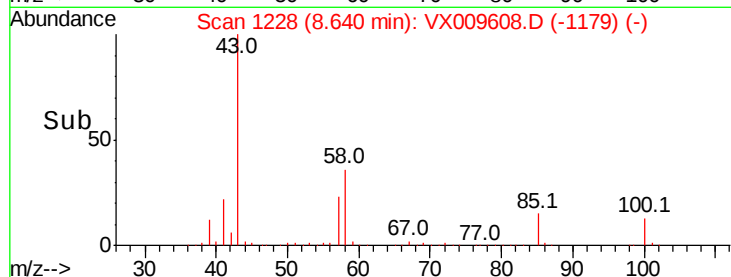
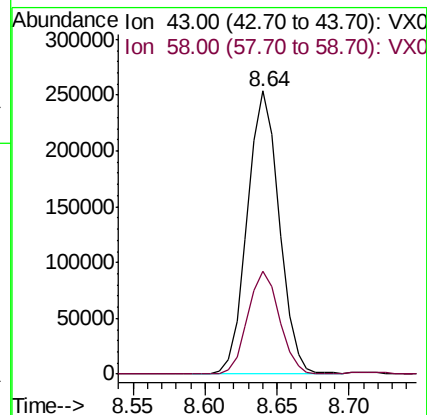
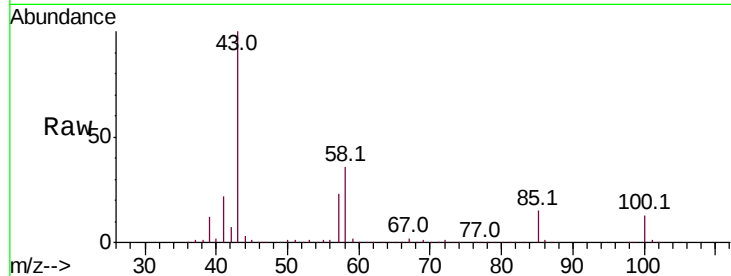
58 36.2 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#52

Toluene

Concen: 20.405 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009608.D

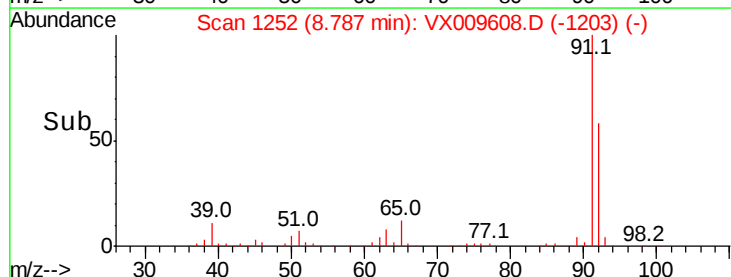
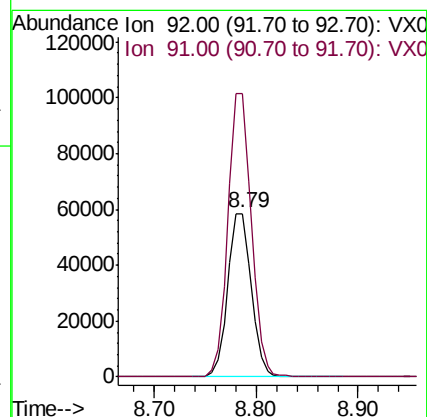
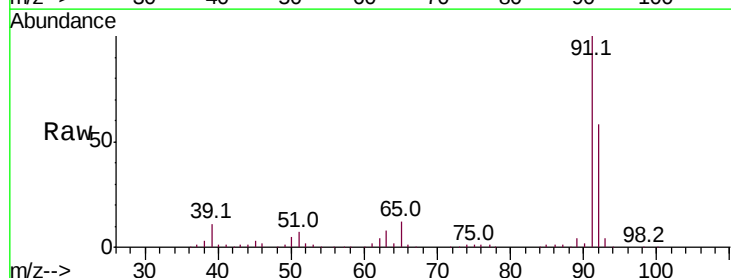
Acq: 16 May 2019 15:34

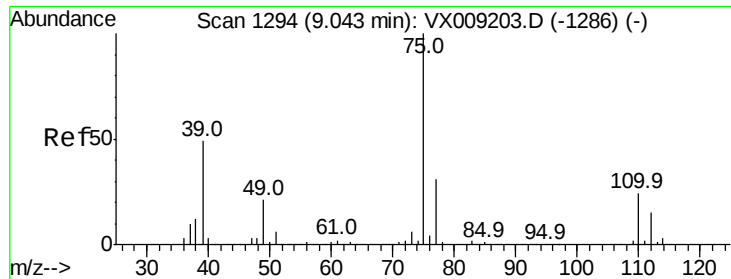
Tgt Ion: 92 Resp: 93671

Ion Ratio Lower Upper

92 100

91 172.8 138.8 208.2





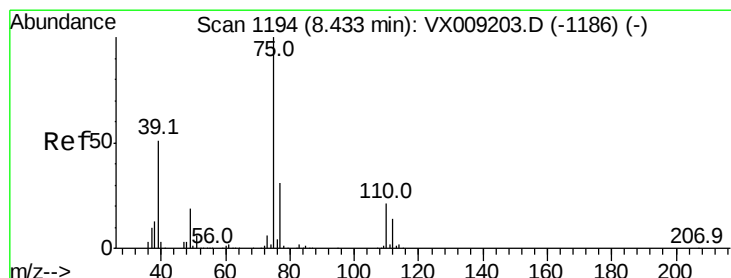
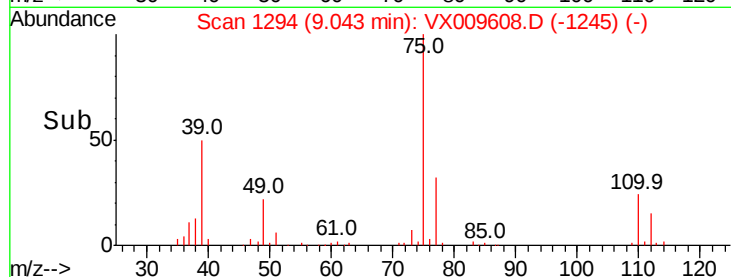
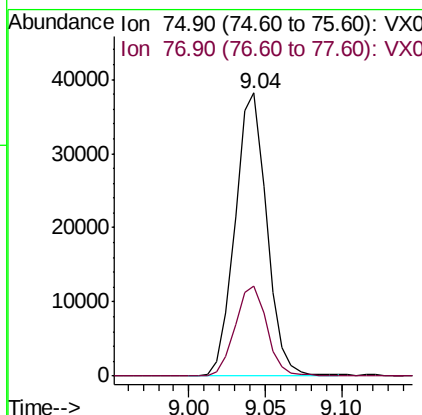
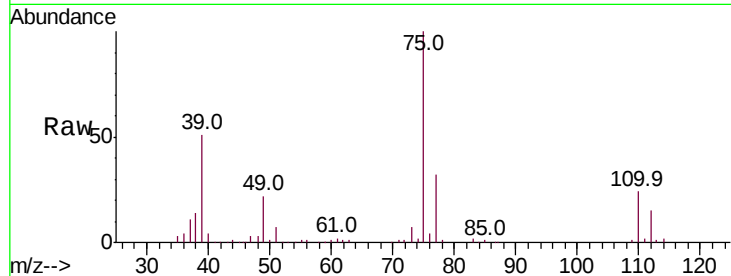
#53
t-1,3-Dichloropropene
Concen: 19.650 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 75 Resp: 54952
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

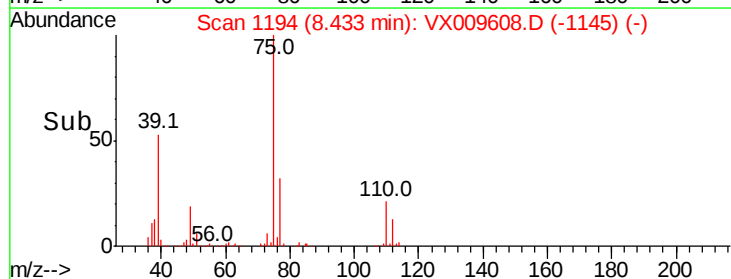
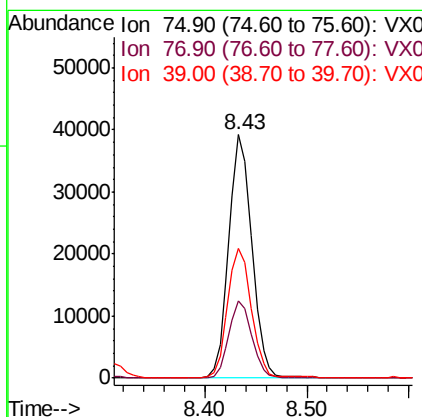
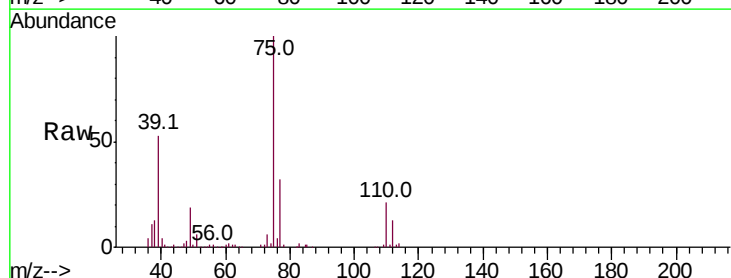
Manual Integrations
APPROVED

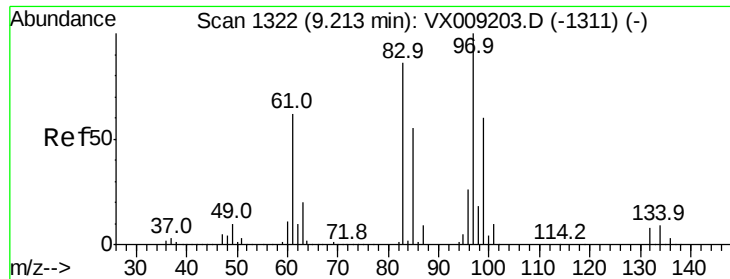
MMDadoda
5/17/2019 1:09:29 PM



#54
cis-1,3-Dichloropropene
Concen: 19.915 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 75 Resp: 61644
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 53.0 40.6 60.8





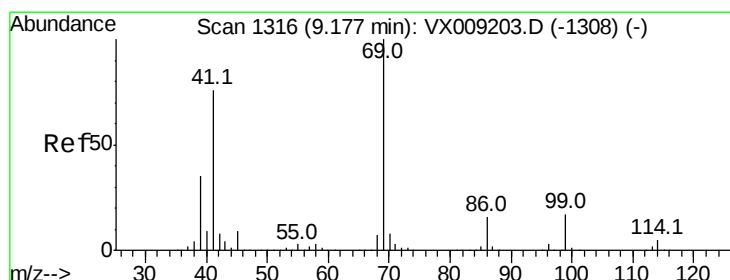
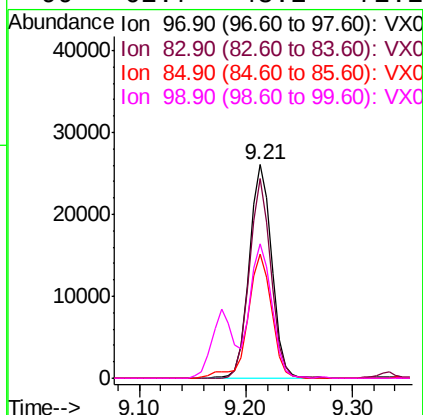
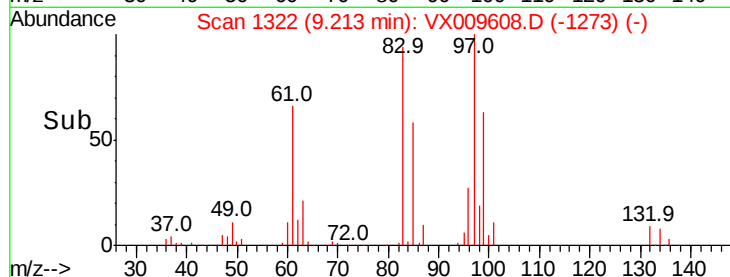
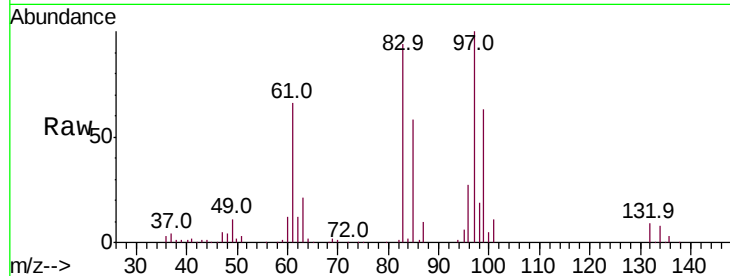
#55
1,1,2-Trichloroethane
Concen: 20.782 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.6	68.9	103.3
85	58.2	43.8	65.6
99	62.7	48.2	72.2

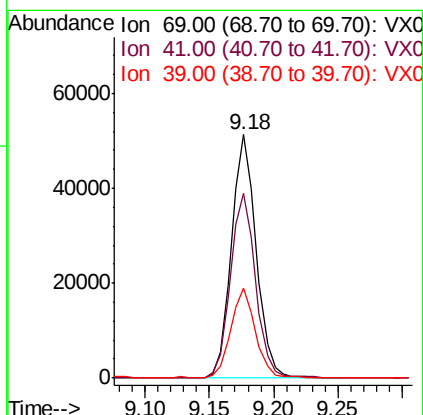
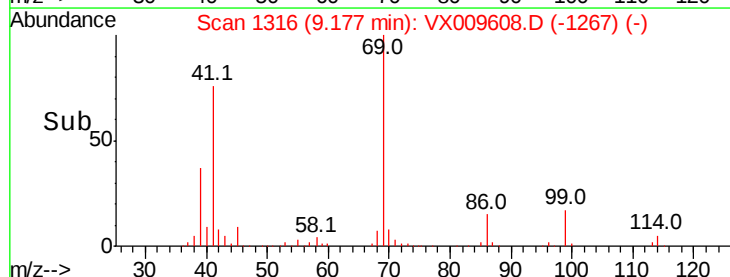
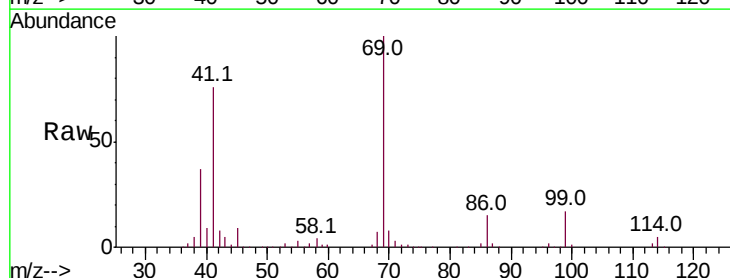
Manual Integrations
APPROVED

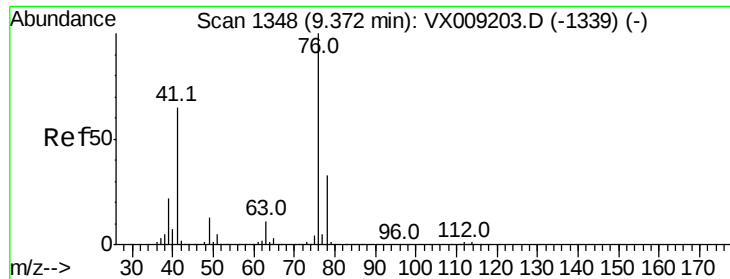
MMDadoda
5/17/2019 1:09:29 PM



#56
Ethyl methacrylate
Concen: 20.715 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.6	90.8
39	36.6	28.2	42.4





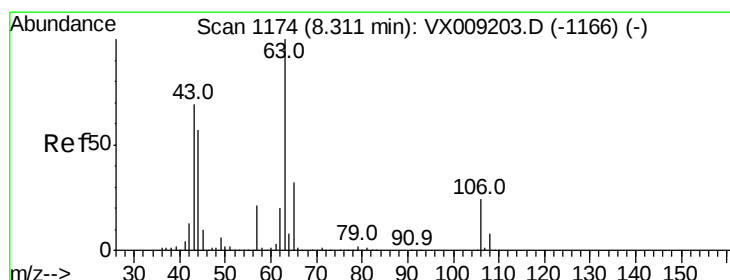
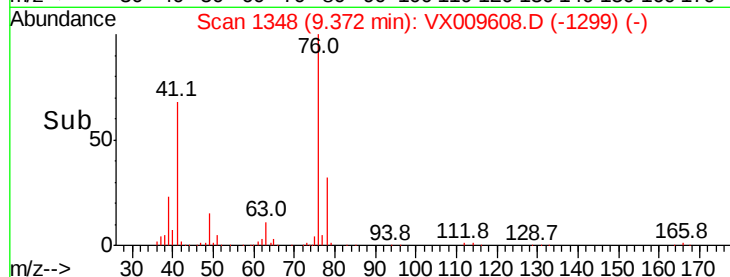
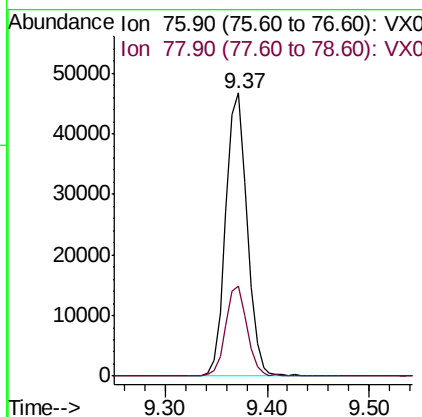
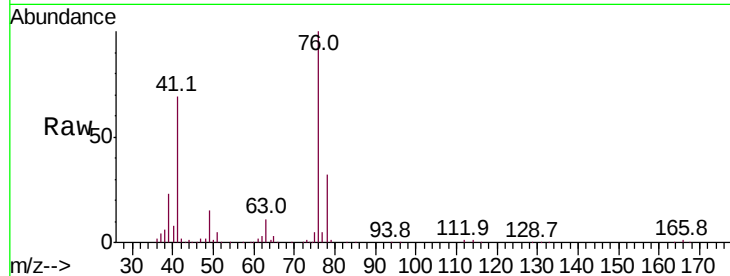
#57
 1,3-Dichloropropane
 Concen: 20.615 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion: 76 Resp: 67940
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

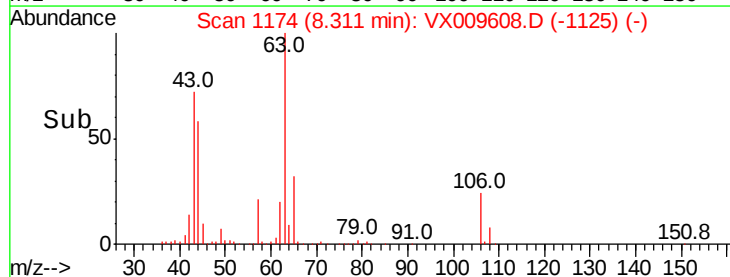
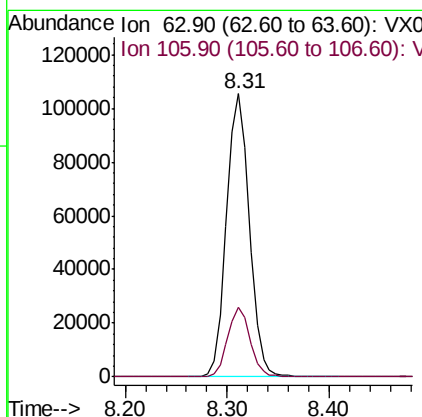
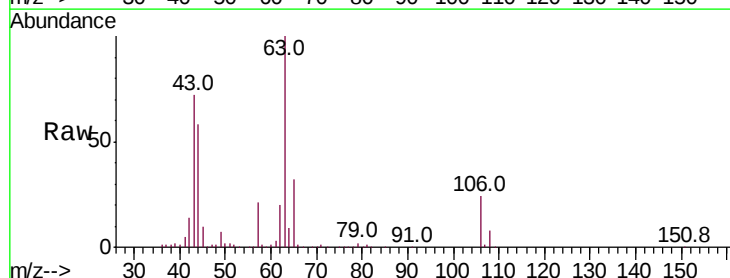
Manual Integrations
 APPROVED

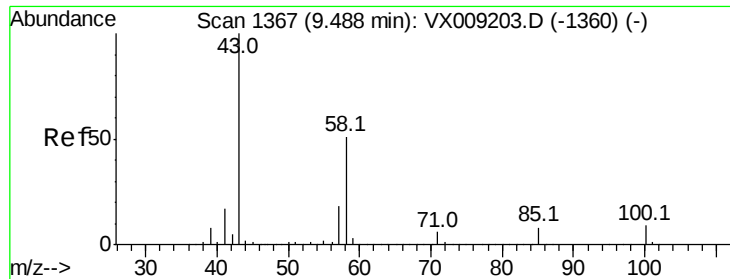
MMDadoda
 5/17/2019 1:09:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.188 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion: 63 Resp: 163492
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





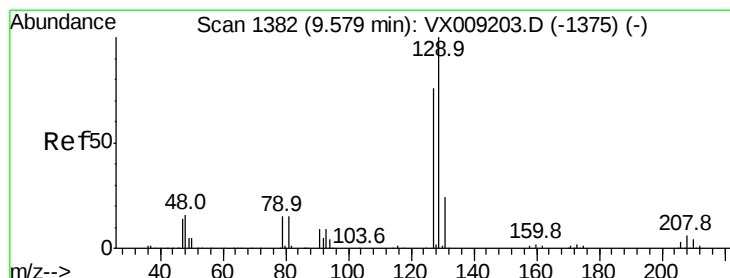
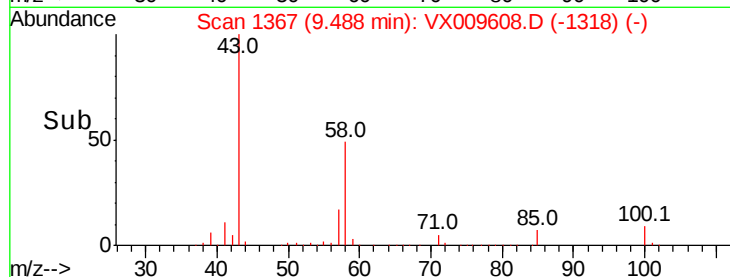
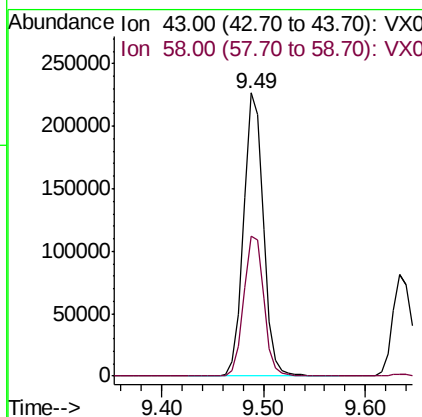
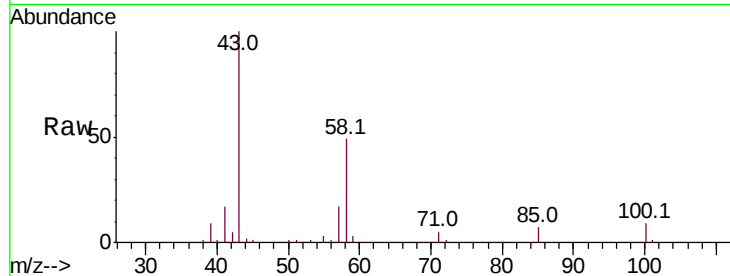
#59
2-Hexanone
Concen: 108.367 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 43 Resp: 302522
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7

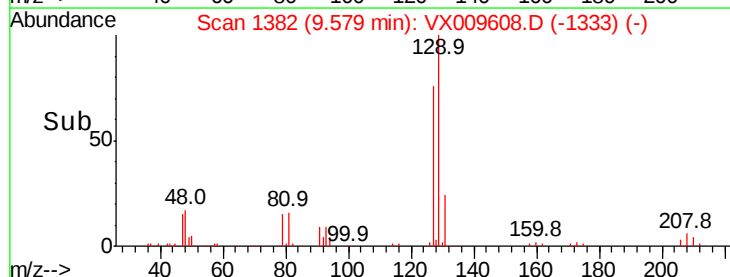
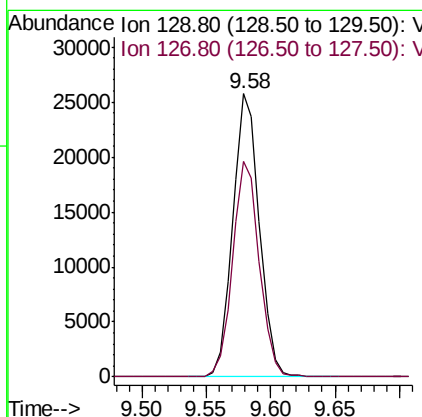
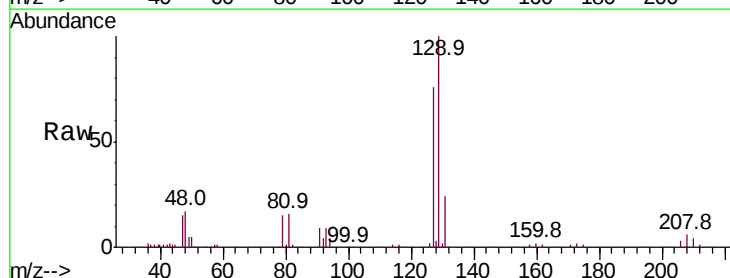
Manual Integrations
APPROVED

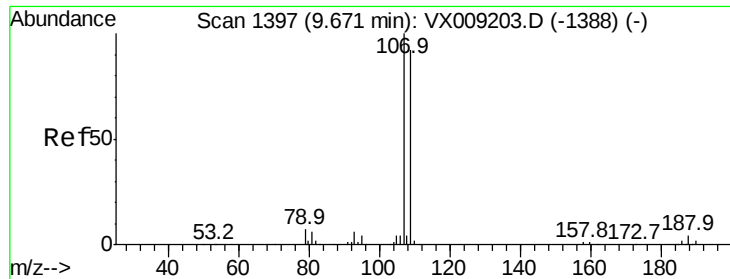
MMDadoda
5/17/2019 1:09:29 PM



#60
Dibromochloromethane
Concen: 20.225 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:129 Resp: 36994
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.505 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion:107 Resp: 38764

Ion Ratio Lower Upper

107 100

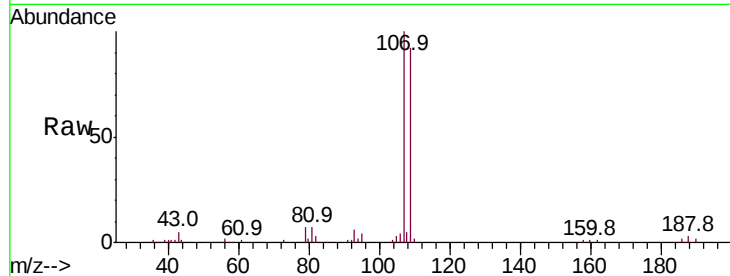
109 94.0 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

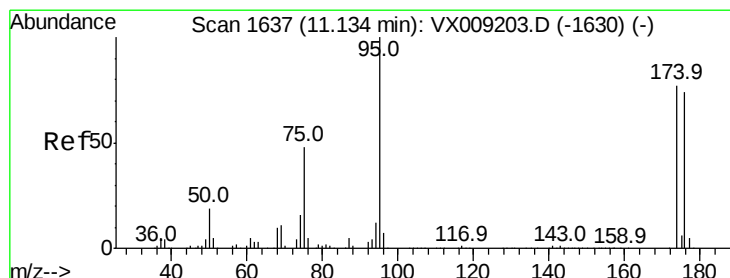
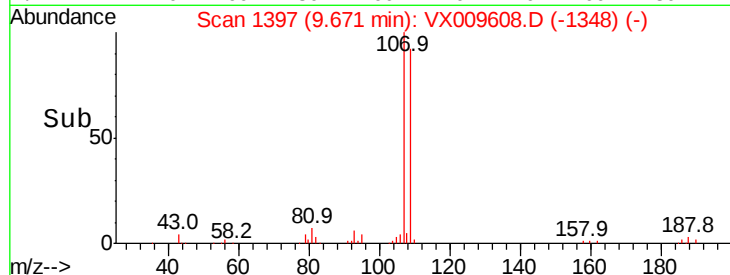
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 47.822 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

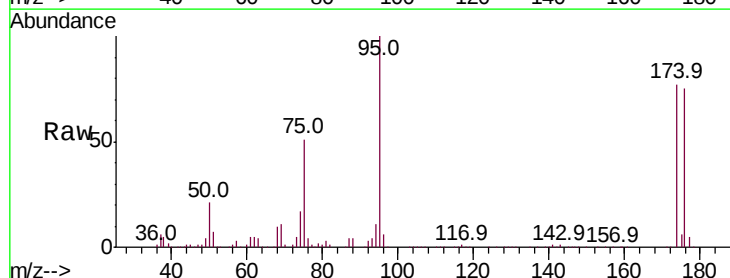
Tgt Ion: 95 Resp: 115798

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 79.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

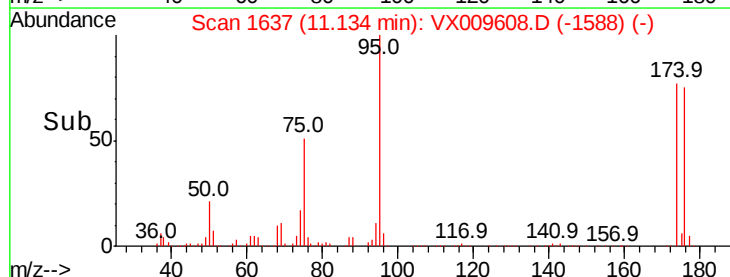
40000

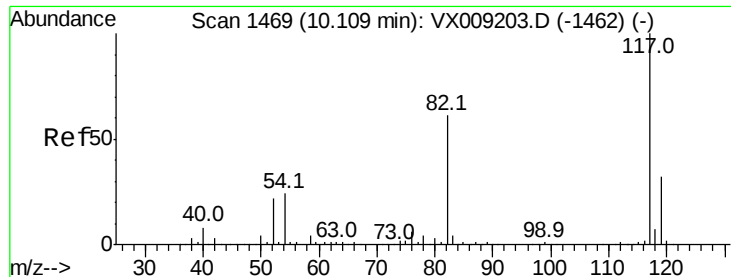
20000

0

11.10 11.20

Time-->





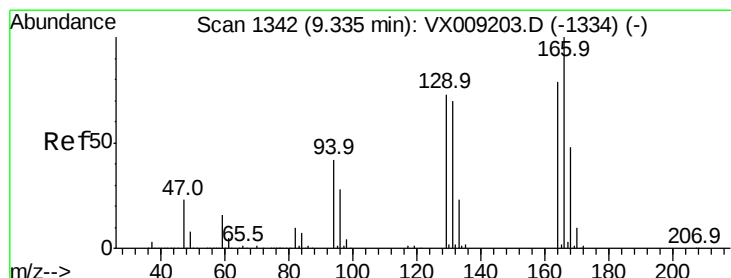
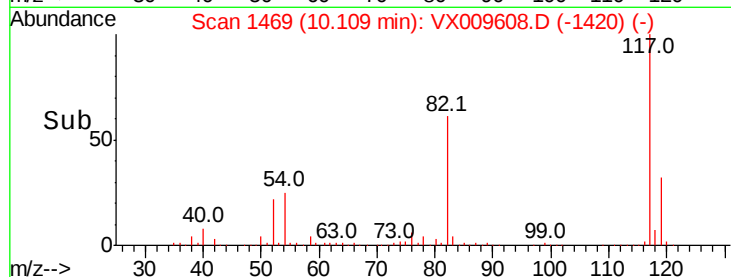
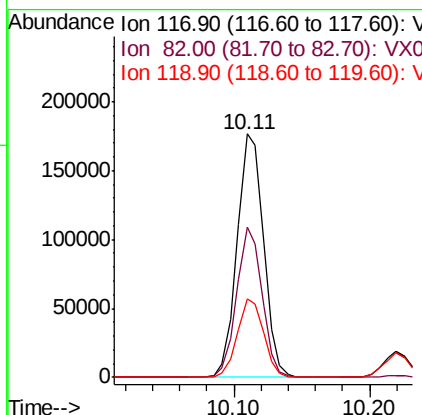
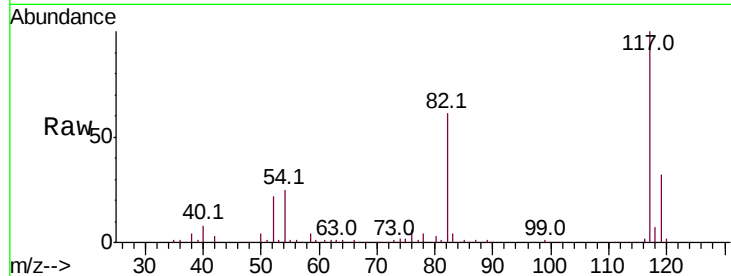
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	48.8	73.2
119	32.2	25.8	38.6

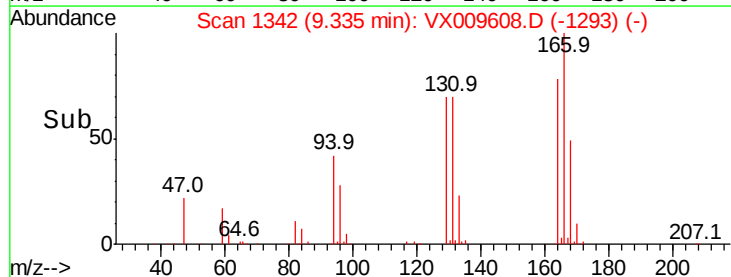
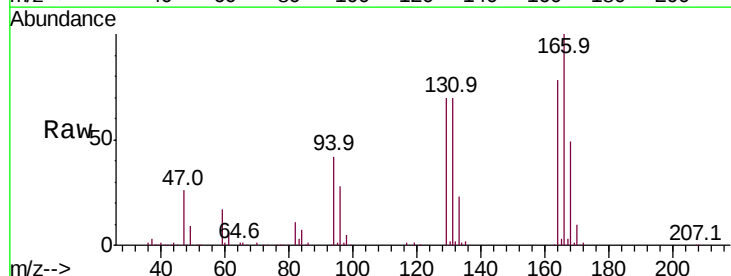
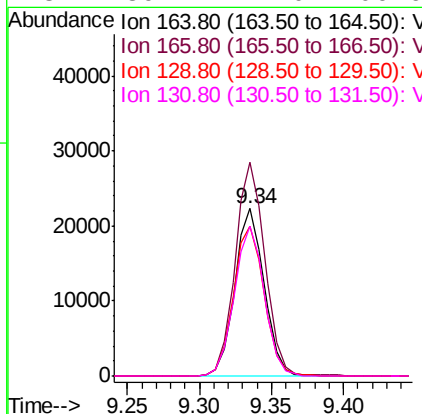
Manual Integrations
APPROVED

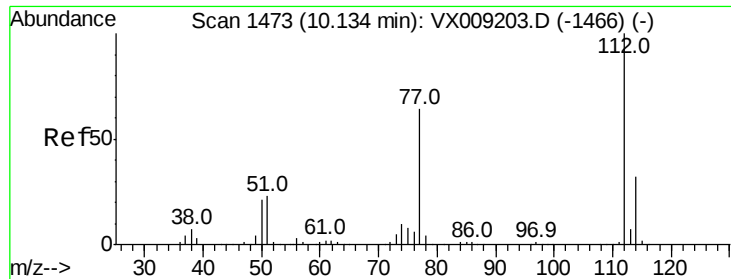
MMDadoda
5/17/2019 1:09:29 PM



#64
Tetrachloroethene
Concen: 19.313 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.2	151.8
129	89.1	74.3	111.5
131	89.4	71.0	106.6





#65

Chlorobenzene

Concen: 20.043 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion:112 Resp: 95728

Ion Ratio Lower Upper

112 100

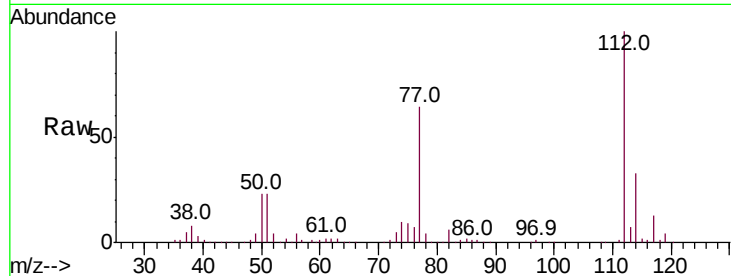
114 32.6 25.5 38.3

Manual Integrations

APPROVED

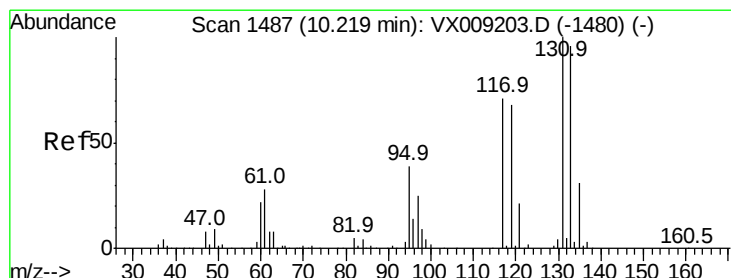
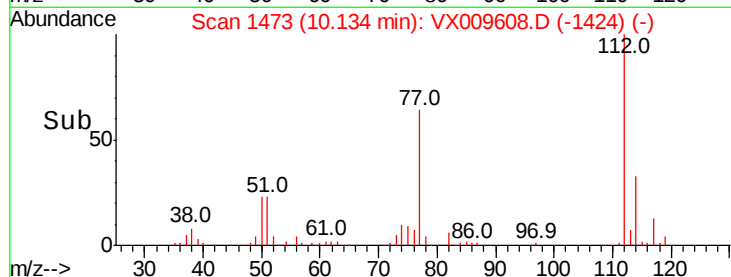
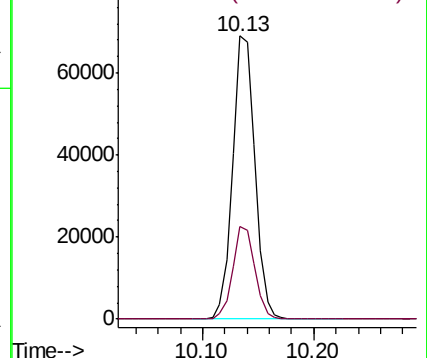
MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.518 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

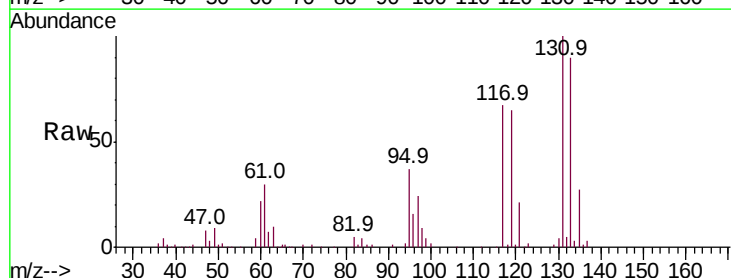
Tgt Ion:131 Resp: 35527

Ion Ratio Lower Upper

131 100

133 93.2 47.7 143.1

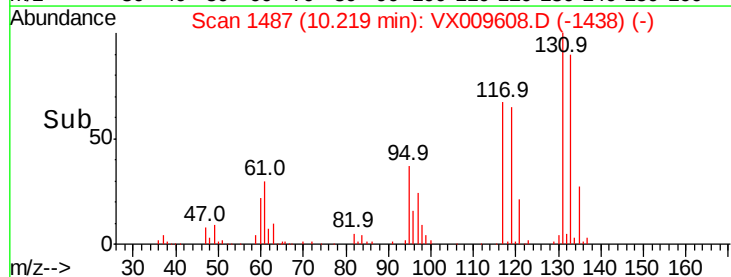
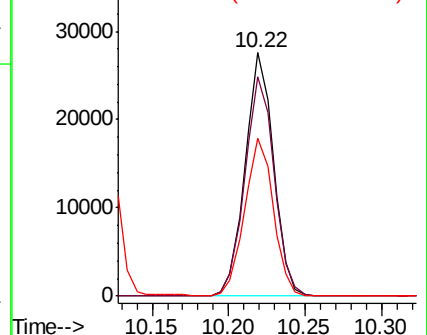
119 65.8 33.5 100.4

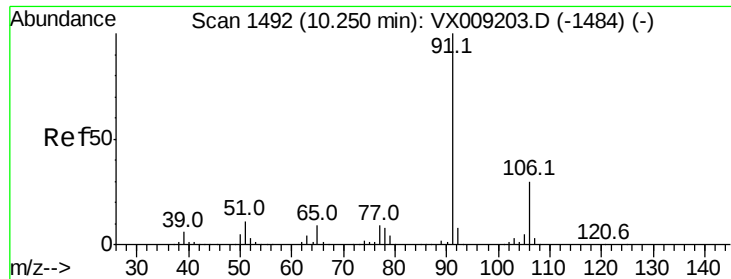


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.284 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampled :

VX0516MBSD01

Tot Ion: 91 Resp: 178297

Ion Ratio Lower Upper

91 100

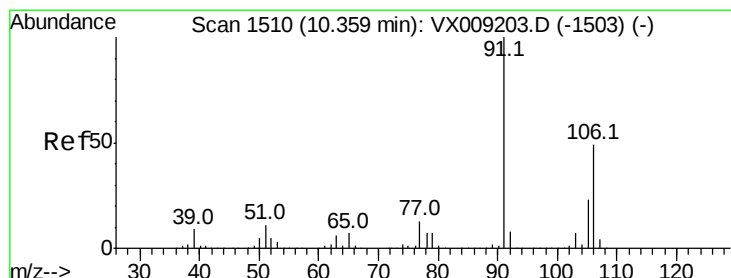
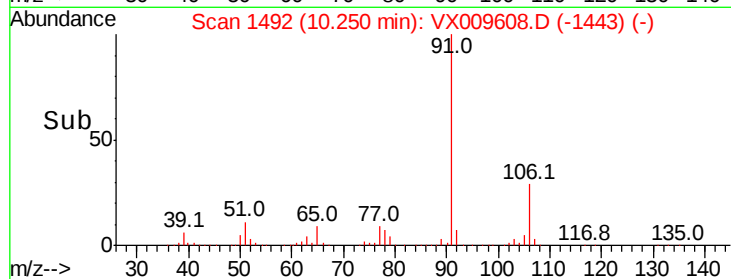
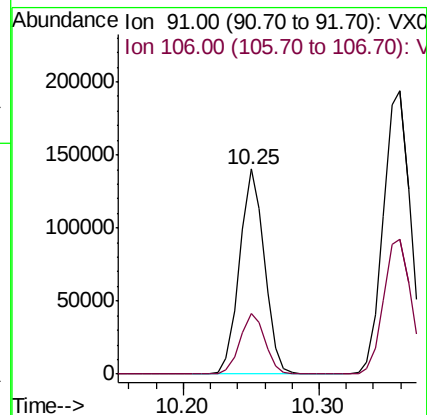
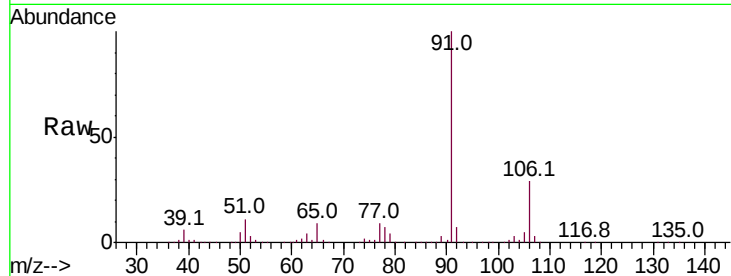
106 29.5 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#68

m/p-Xylenes

Concen: 40.378 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009608.D

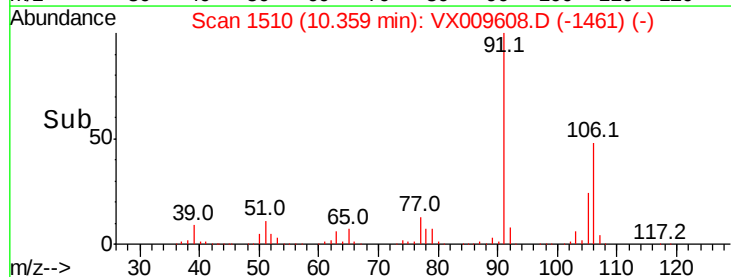
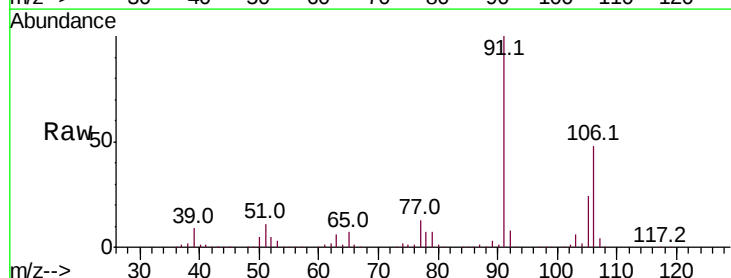
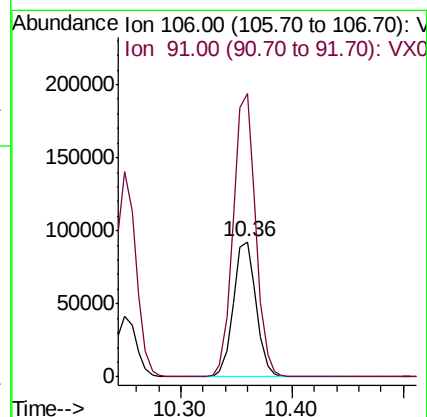
Acq: 16 May 2019 15:34

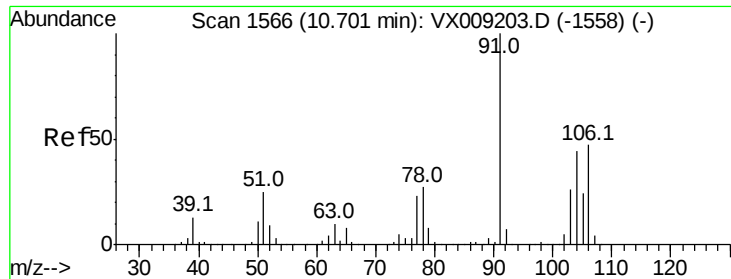
Tgt Ion: 106 Resp: 129698

Ion Ratio Lower Upper

106 100

91 207.7 164.0 246.0





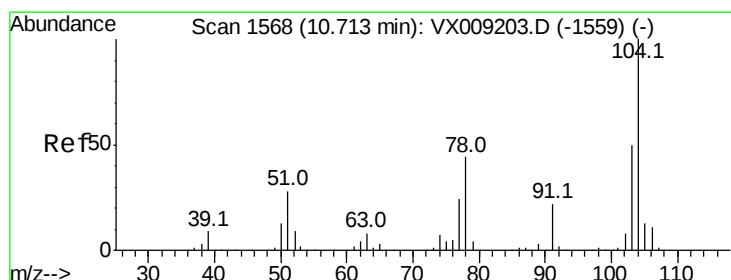
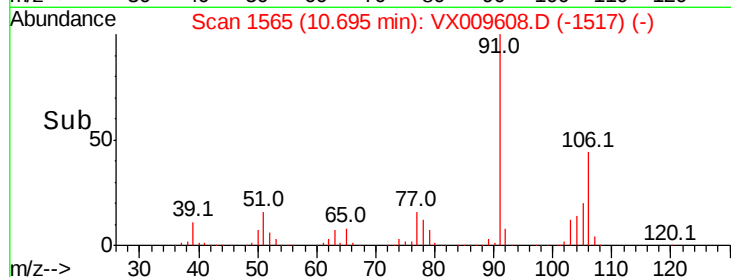
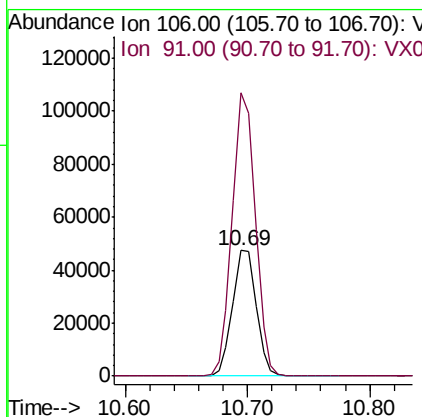
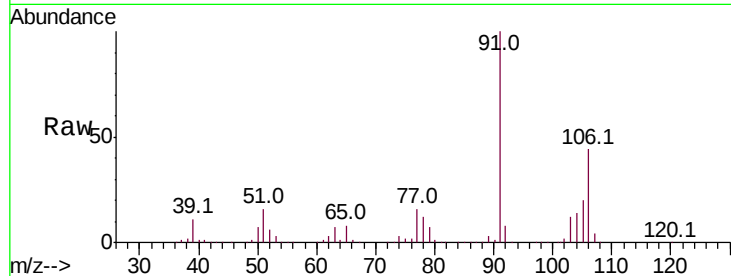
#69
o-Xylene
Concen: 20.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion:106 Resp: 63816
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4

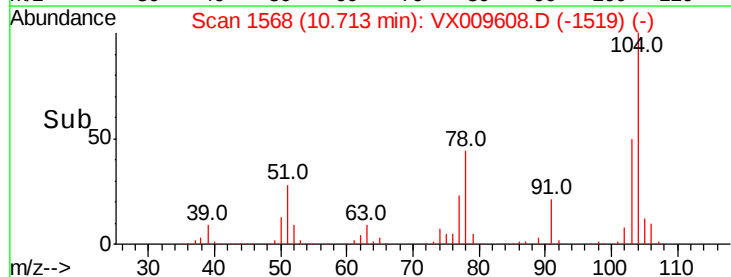
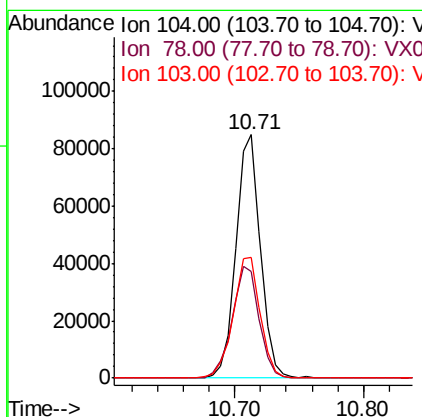
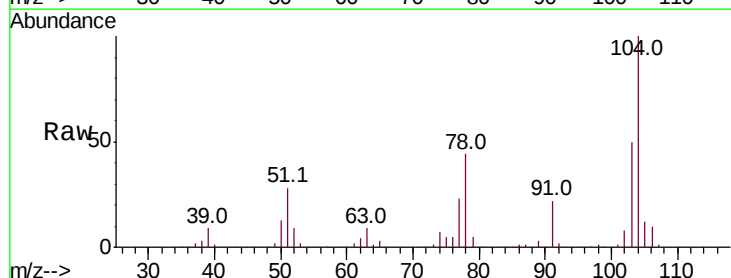
Manual Integrations
APPROVED

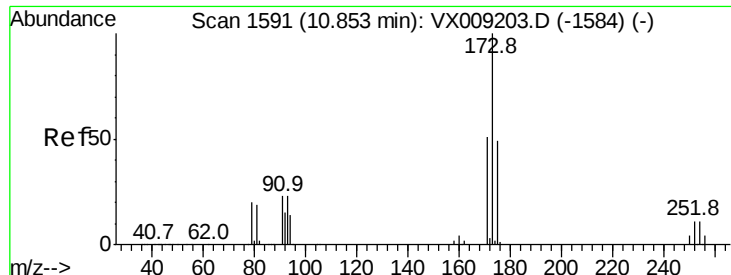
MMDadoda
5/17/2019 1:09:29 PM



#70
Styrene
Concen: 20.312 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:104 Resp: 111882
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 19.518 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion:173 Resp: 27464

Ion Ratio Lower Upper

173 100

175 47.9 24.5 73.5

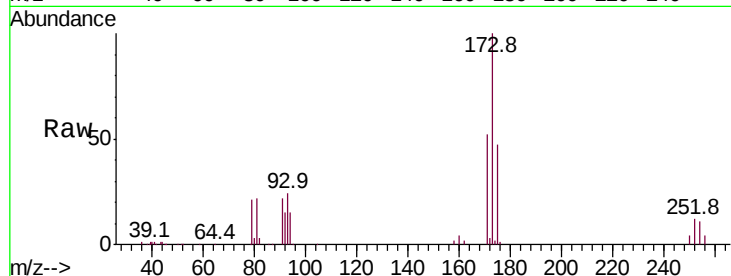
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

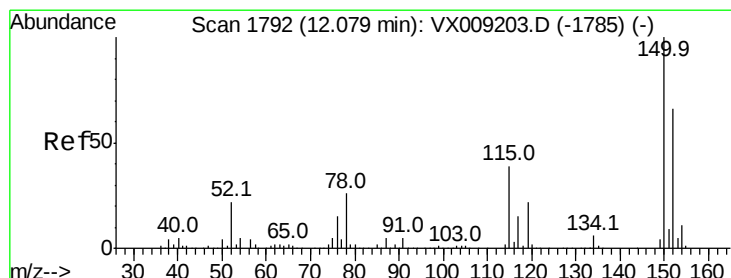
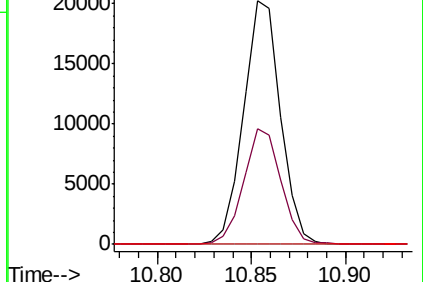
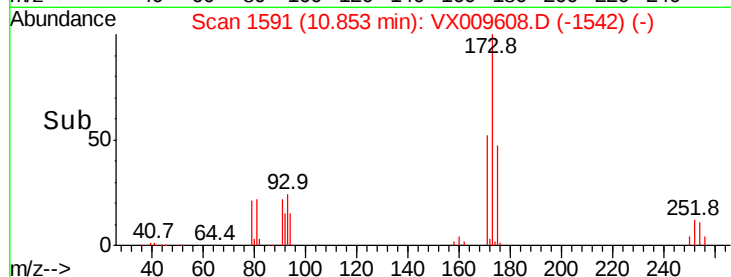
5/17/2019 1:09:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

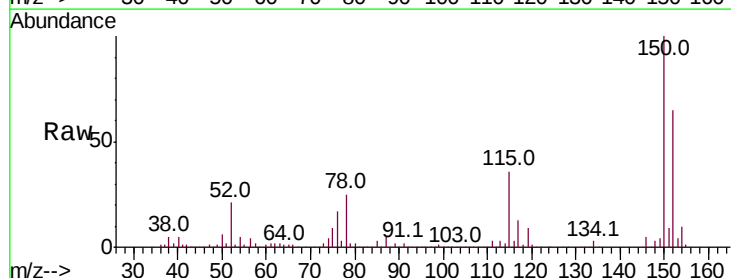
Tgt Ion:152 Resp: 117554

Ion Ratio Lower Upper

152 100

115 67.0 41.2 123.6

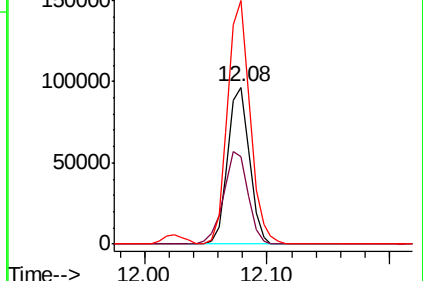
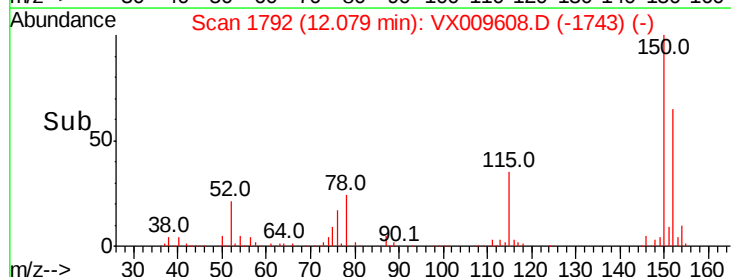
150 161.8 0.0 346.4

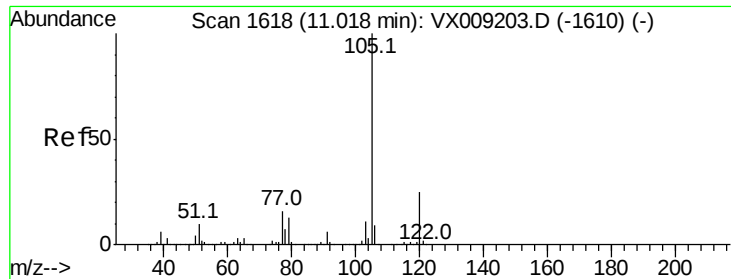


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.834 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBS01

Tot Ion:105 Resp: 169548

Ion Ratio Lower Upper

105 100

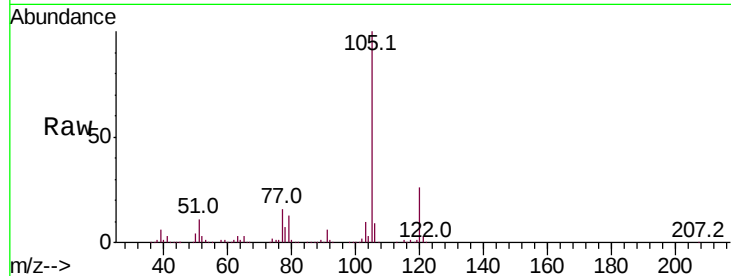
120 26.0 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

110000

50000

0

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

11.02

11.00

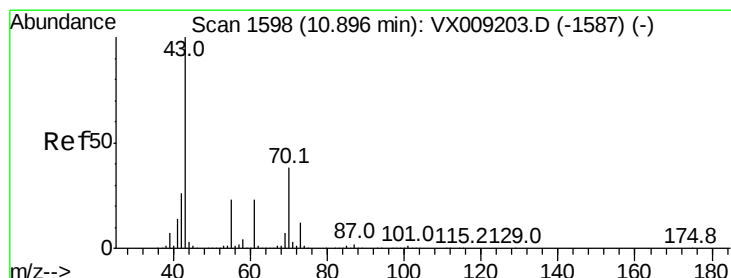
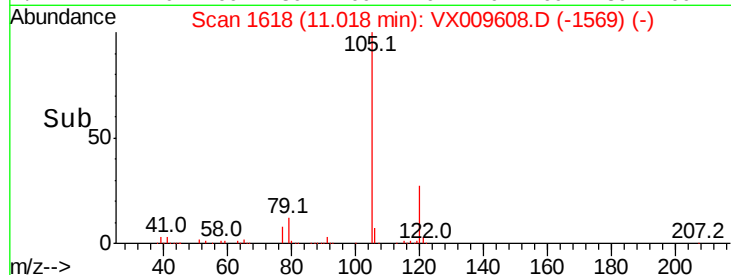
11.02

11.00

11.02

11.00

11.02



#74

N-ethyl acetate

Concen: 20.954 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion: 43 Resp: 104431

Ion Ratio Lower Upper

43 100

70 36.4 30.0 45.0

55 22.9 17.9 26.9

61 21.9 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

50000

0

10.90

10.80

10.90

10.80

10.90

10.80

10.90

10.80

10.90

10.80

10.90

10.80

10.90

10.80

10.90

10.80

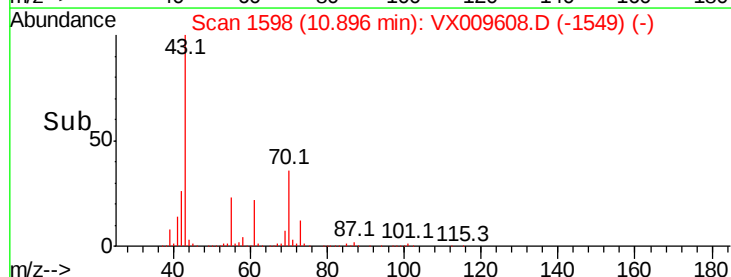
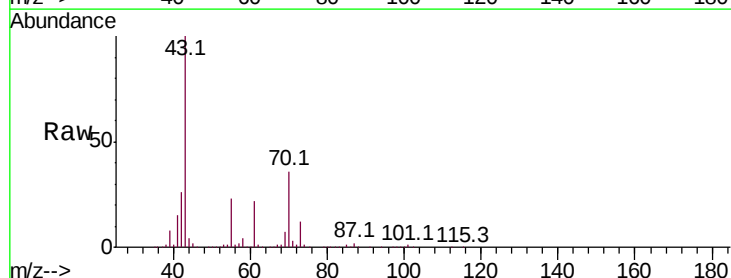
10.90

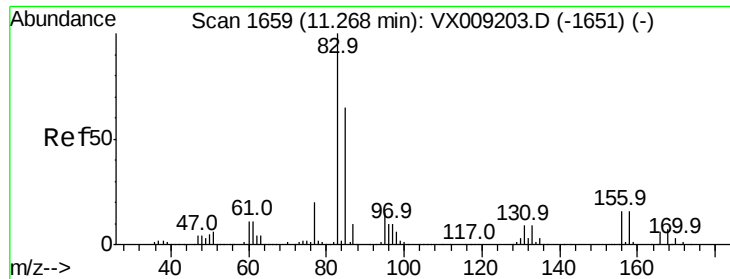
10.80

10.90

10.80

10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 20.738 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 83 Resp: 66087
Ion Ratio Lower Upper

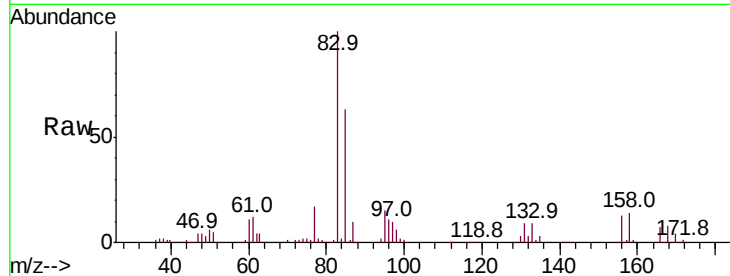
83 100

131 9.4 4.6 13.8

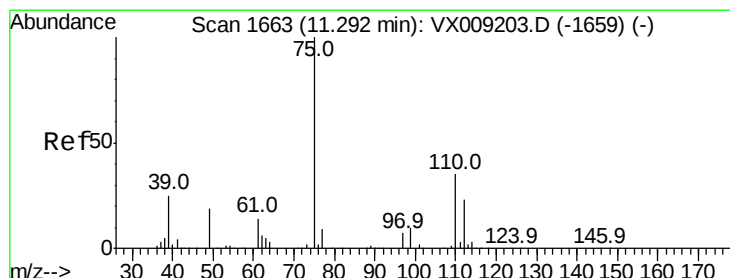
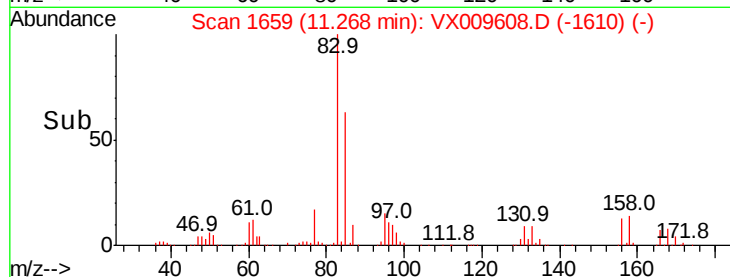
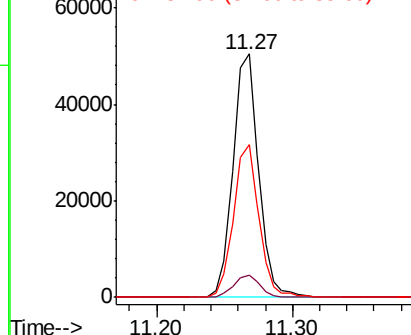
85 62.7 32.0 96.2

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.959 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

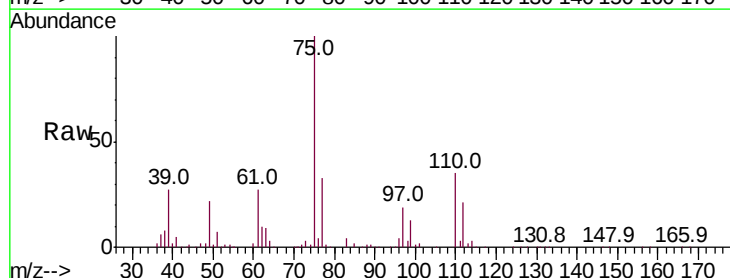
Lab File: VX009608.D

Acq: 16 May 2019 15:34

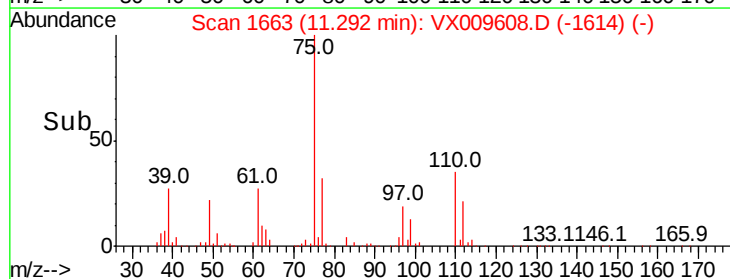
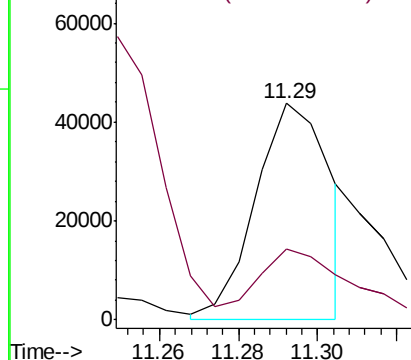
Tgt Ion: 75 Resp: 57152
Ion Ratio Lower Upper

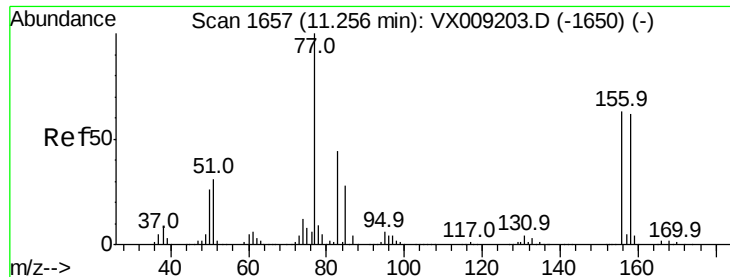
75 100

77 41.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.856 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion:156 Resp: 42129

Ion Ratio Lower Upper

156 100

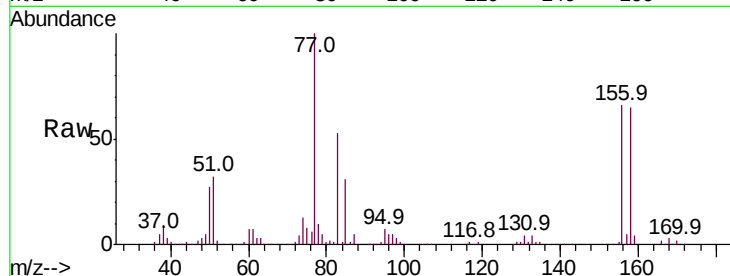
77 171.3 84.8 254.3

158 97.0 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

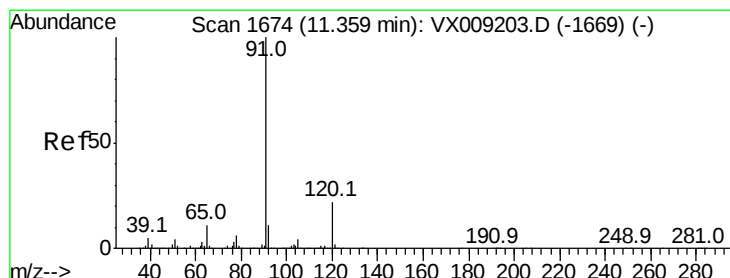
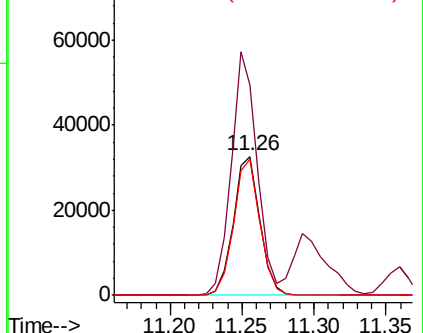
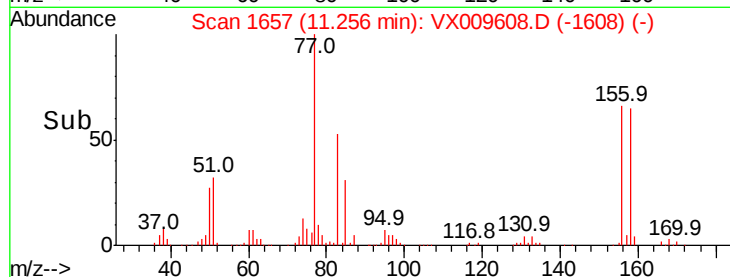
5/17/2019 1:09:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.818 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009608.D

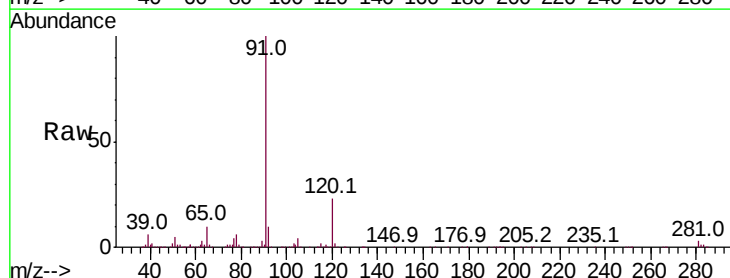
Acq: 16 May 2019 15:34

Tgt Ion: 91 Resp: 193475

Ion Ratio Lower Upper

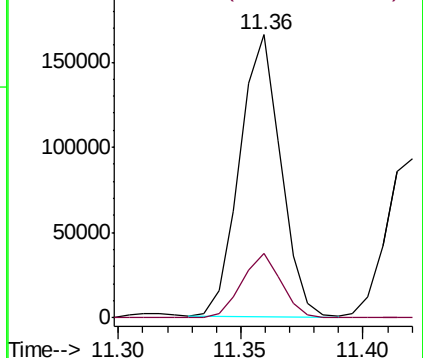
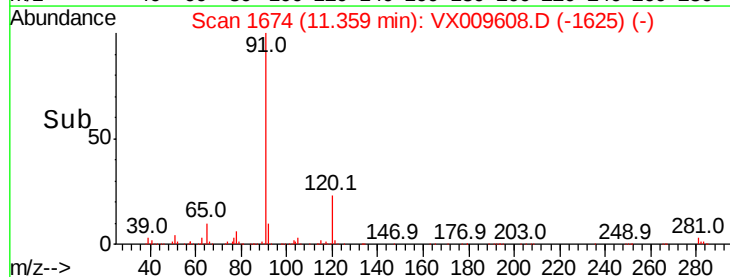
91 100

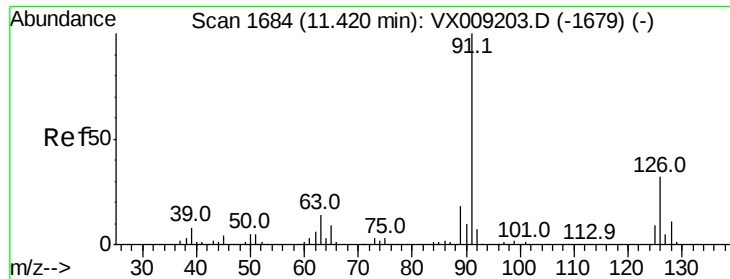
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.579 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 91 Resp: 117926

Ion Ratio Lower Upper

91 100

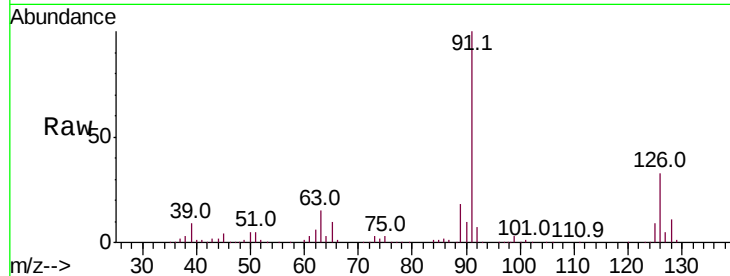
126 32.9 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

150000

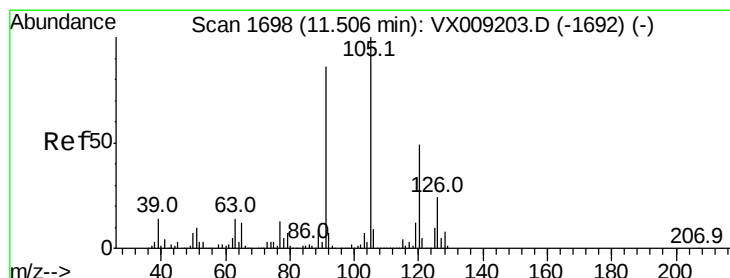
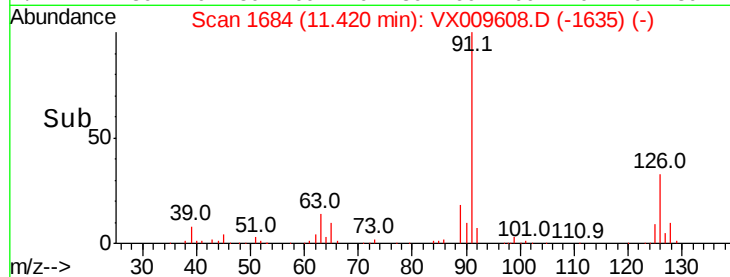
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.921 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009608.D

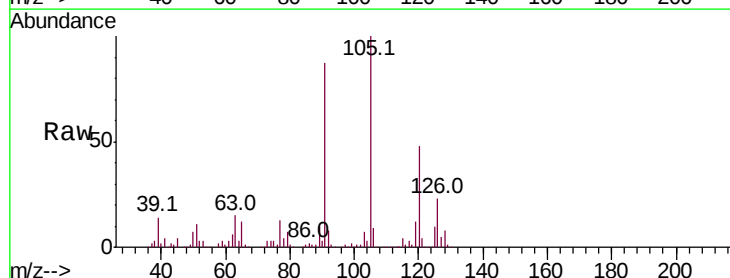
Acq: 16 May 2019 15:34

Tgt Ion: 105 Resp: 143387

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

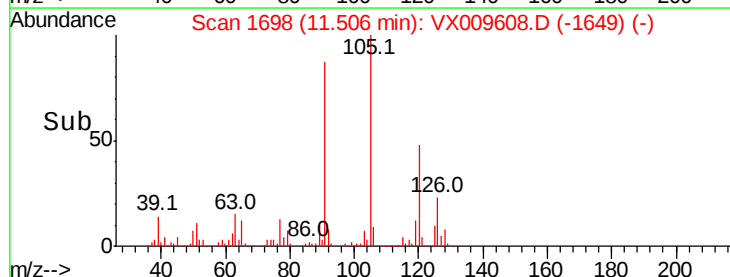
100000

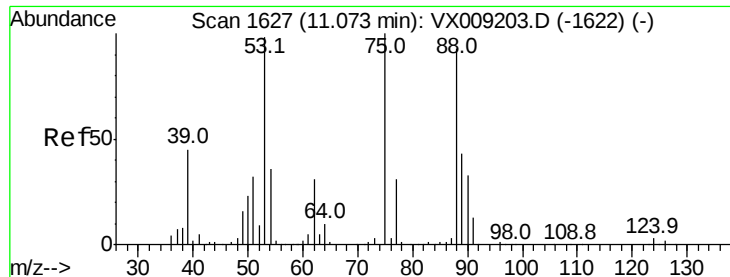
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.385 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

Tot Ion: 75 Resp: 19594

Ion Ratio Lower Upper

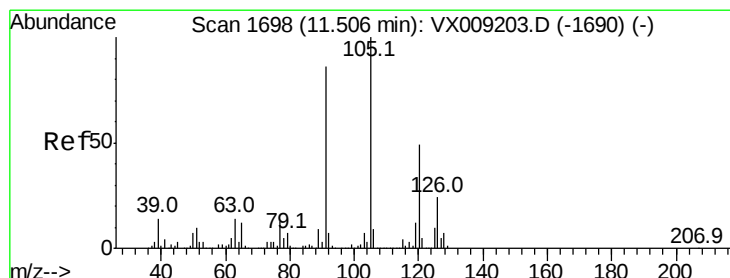
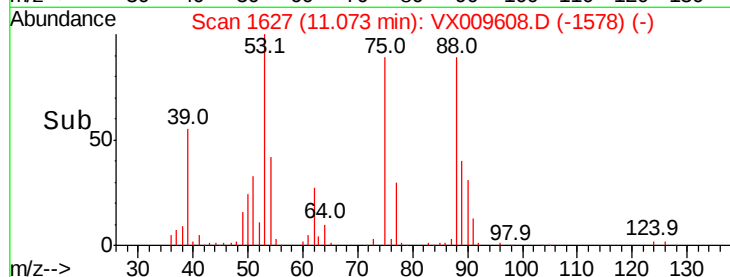
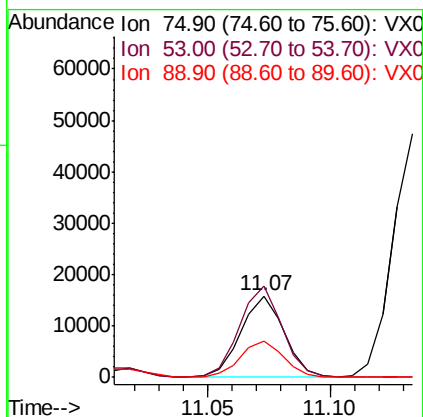
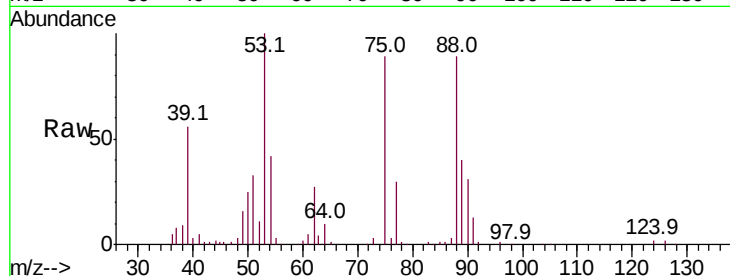
75 100

53 109.6 79.0 118.6

89 44.8 34.7 52.1

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#82

4-Chlorotoluene

Concen: 19.590 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009608.D

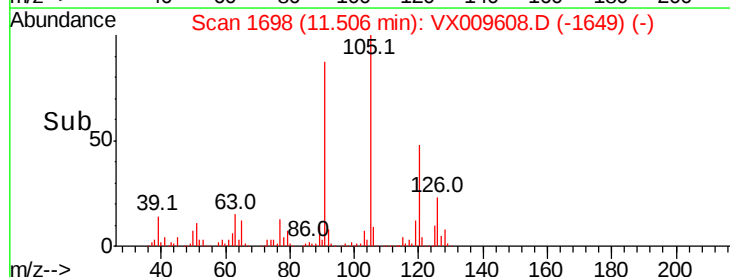
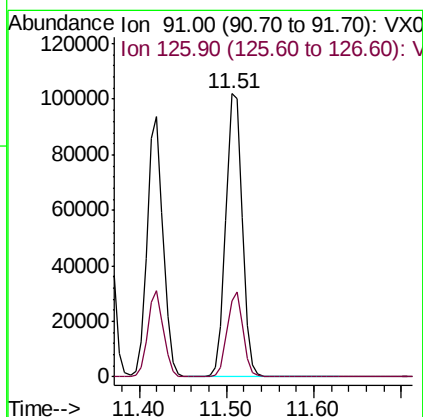
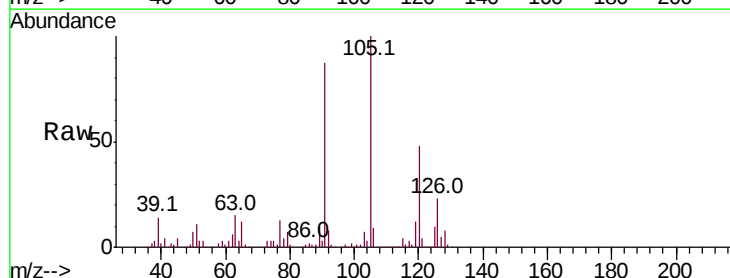
Acq: 16 May 2019 15:34

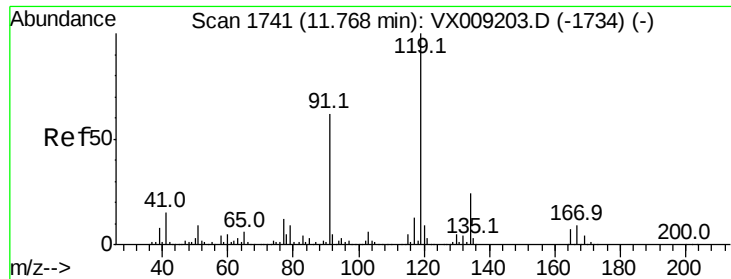
Tgt Ion: 91 Resp: 133296

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.6





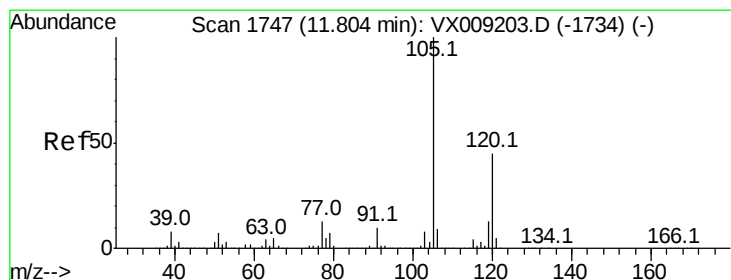
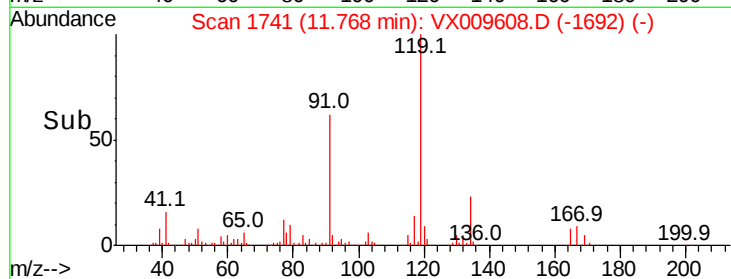
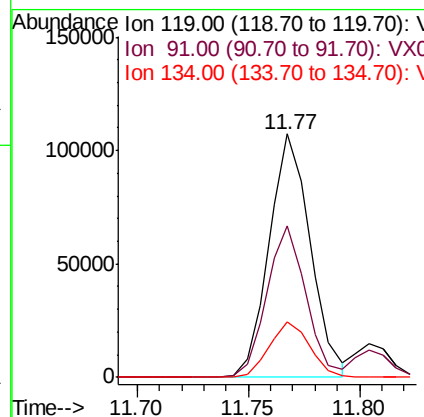
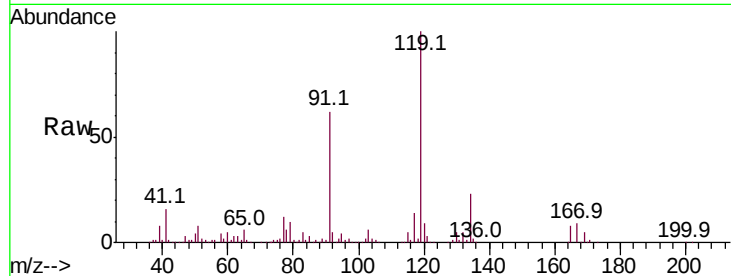
#83
tert-Butylbenzene
Concen: 19.700 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137941		
91	59.5	29.5	88.5	
134	22.1	11.4	34.1	

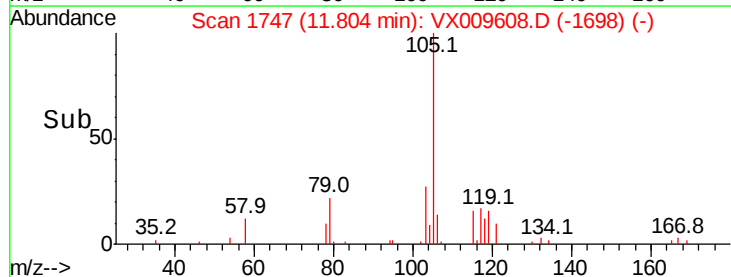
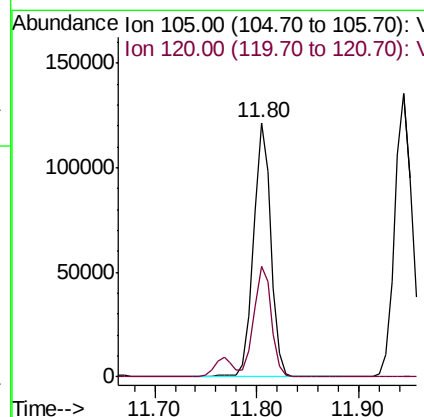
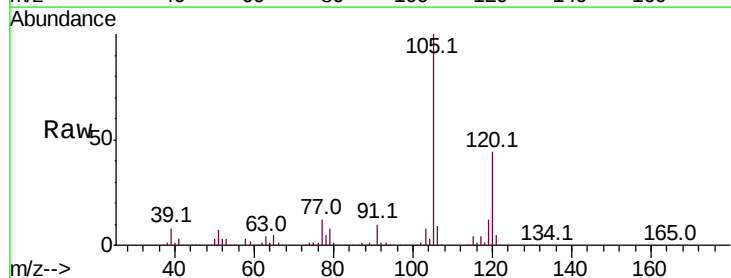
Manual Integrations
APPROVED

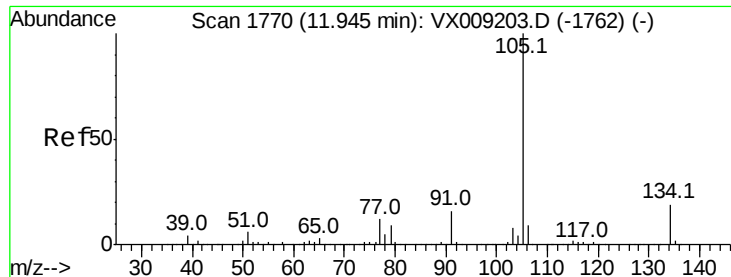
MMDadoda
5/17/2019 1:09:29 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.986 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144394		
120	43.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.554 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBS01

Tot Ion:105 Resp: 162321

Ion Ratio Lower Upper

105 100

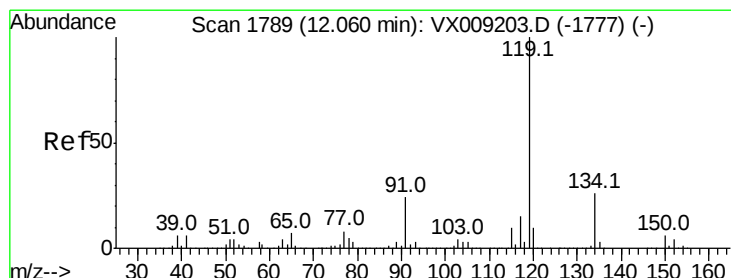
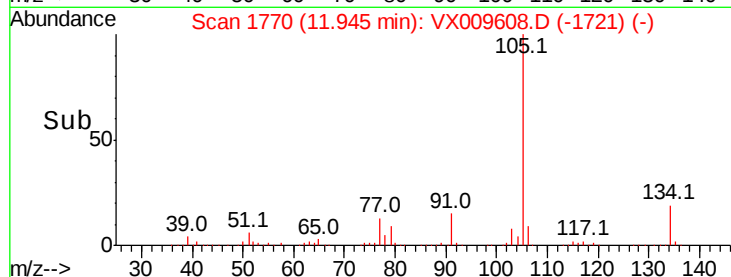
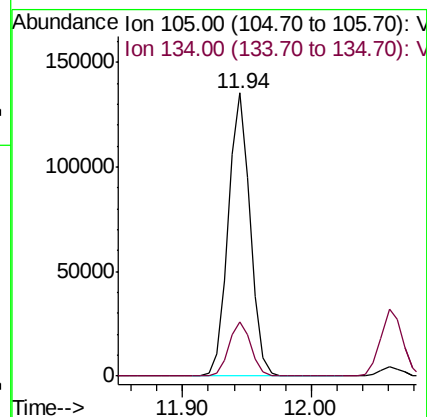
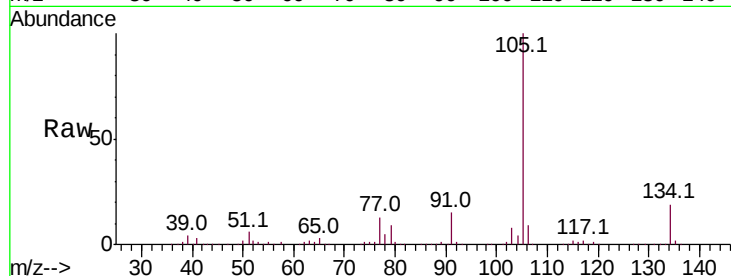
134 19.4 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:29 PM



#86

p-Isopropyltoluene

Concen: 19.971 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

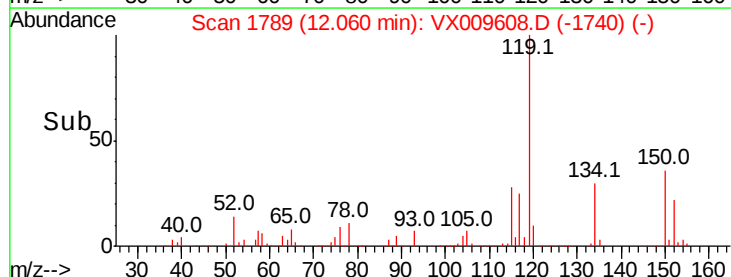
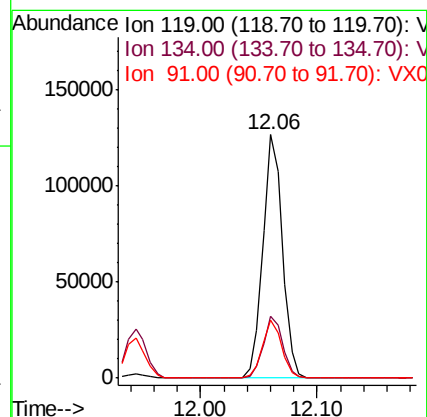
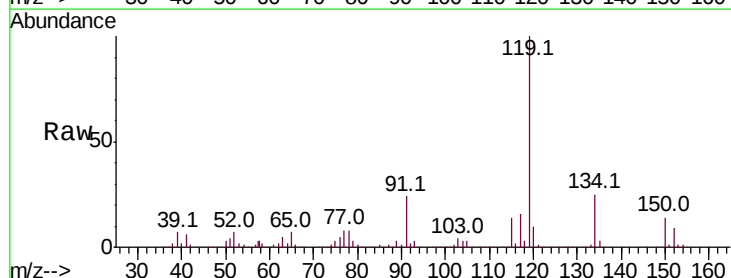
Tgt Ion:119 Resp: 149038

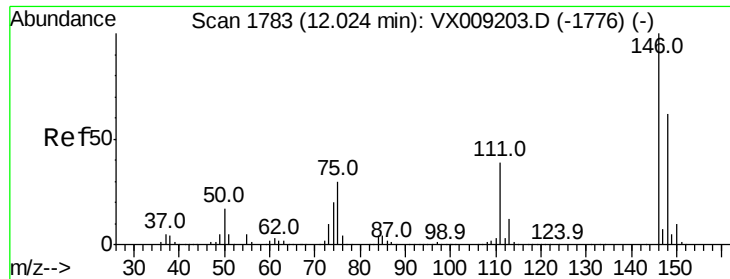
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 23.7 11.8 35.4





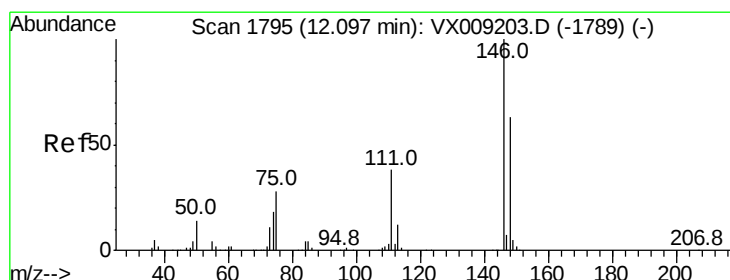
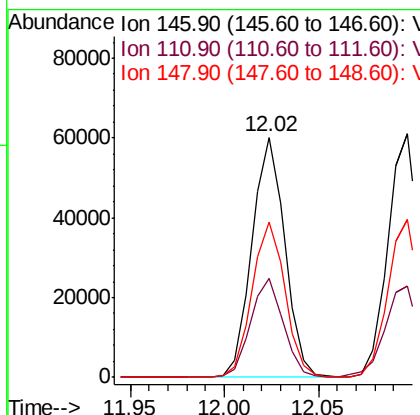
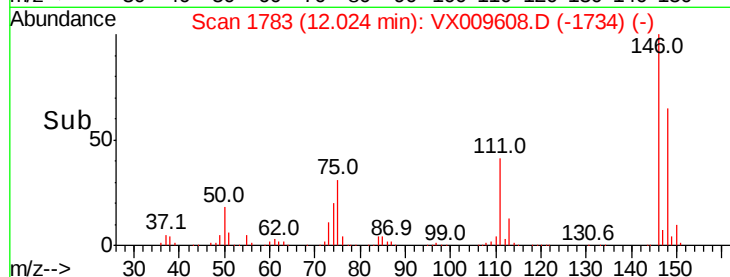
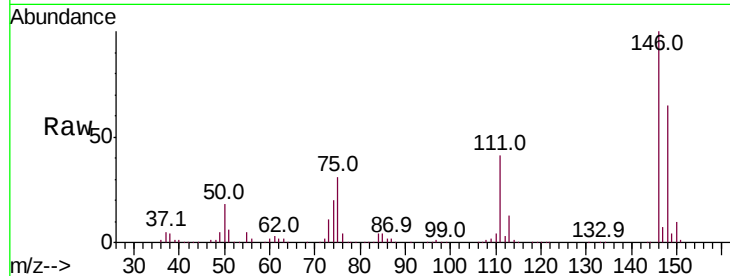
#87
 1,3-Dichlorobenzene
 Concen: 19.250 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	59.9
148	65.1	31.8	95.3

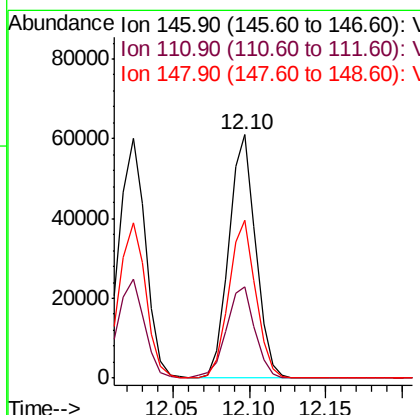
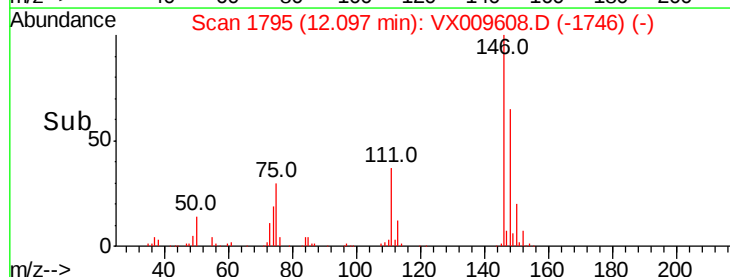
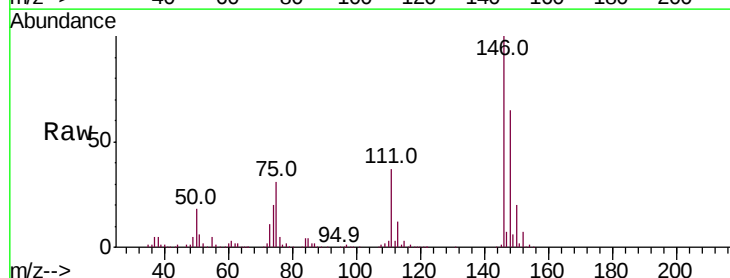
Manual Integrations
 APPROVED

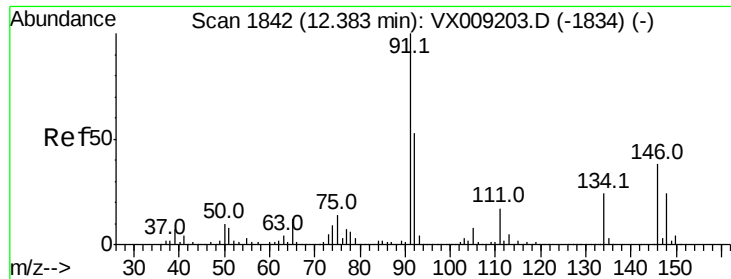
MMDadoda
 5/17/2019 1:09:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.446 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	65.1	31.8	95.3





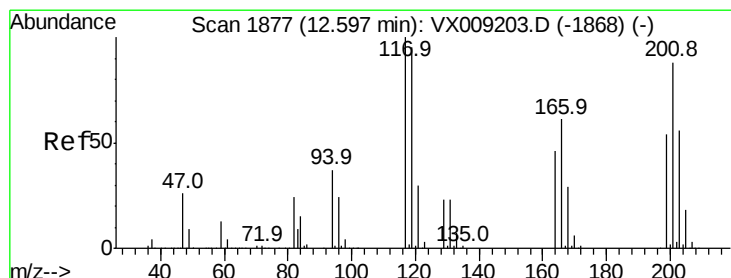
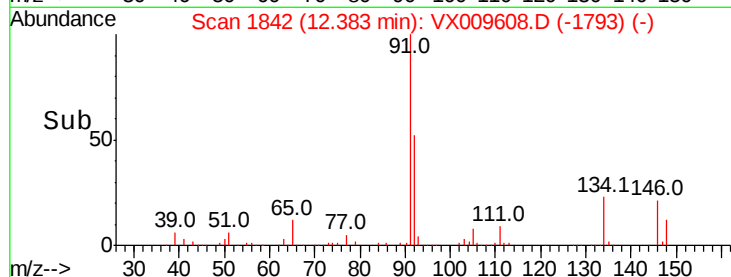
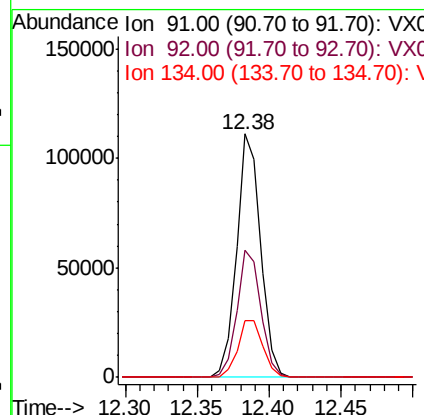
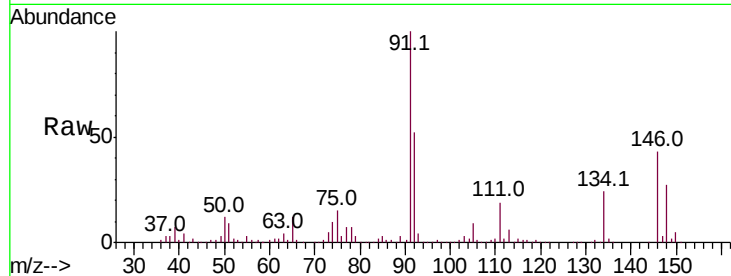
#89
n-Butylbenzene
Concen: 19.211 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	24.6	12.4	37.2

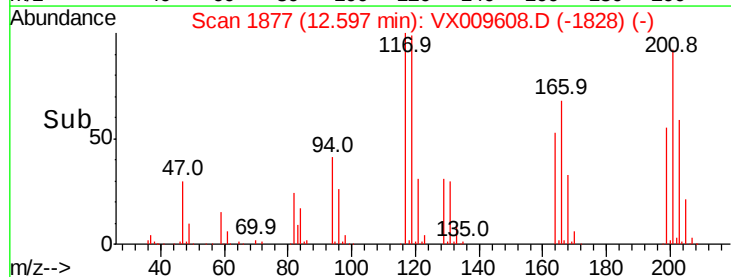
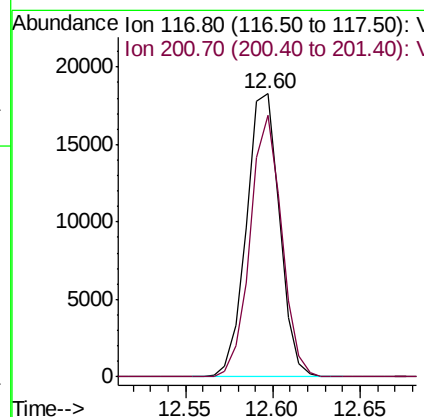
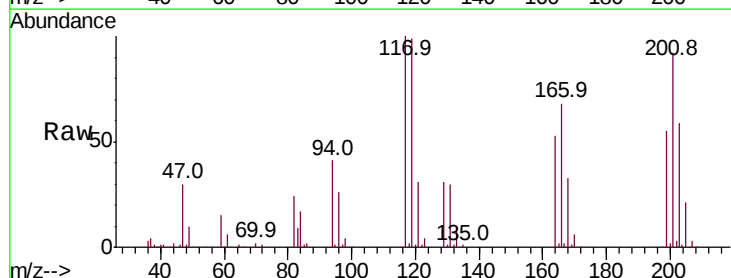
Manual Integrations
APPROVED

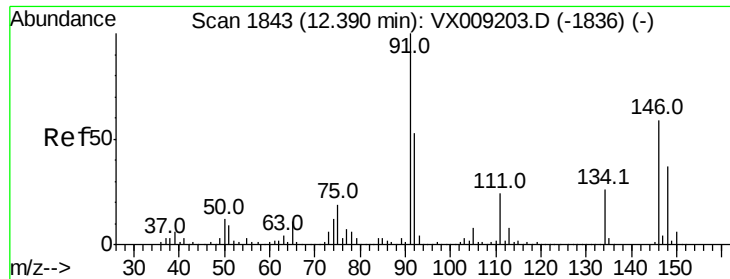
MMDadoda
5/17/2019 1:09:29 PM



#90
Hexachloroethane
Concen: 19.025 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	42.3	126.9





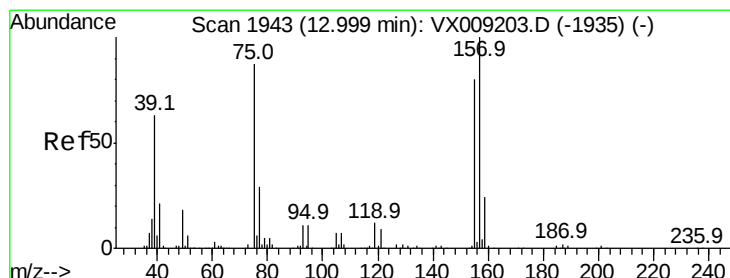
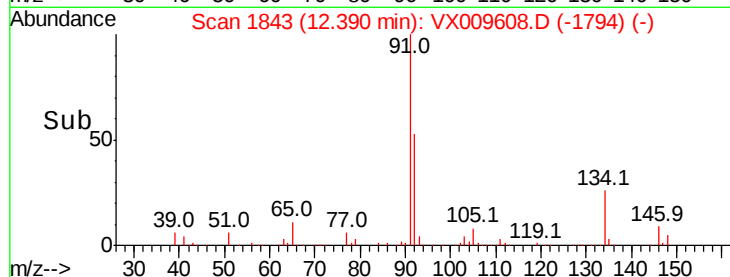
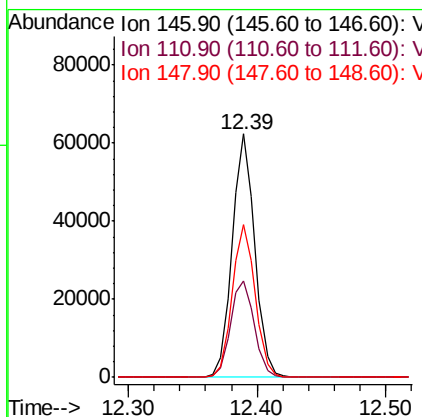
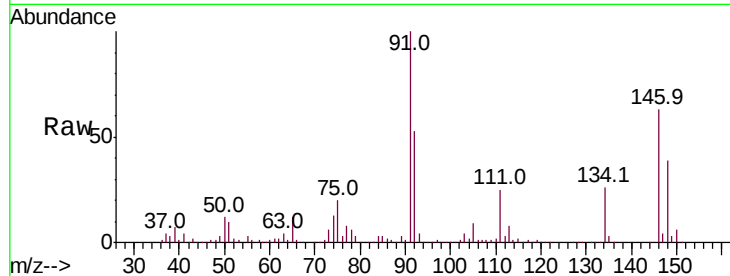
#91
 1,2-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.6	31.9	95.9

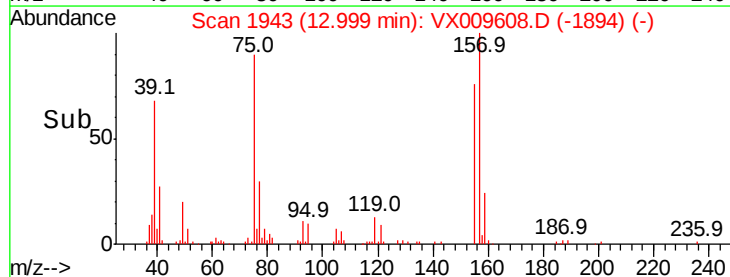
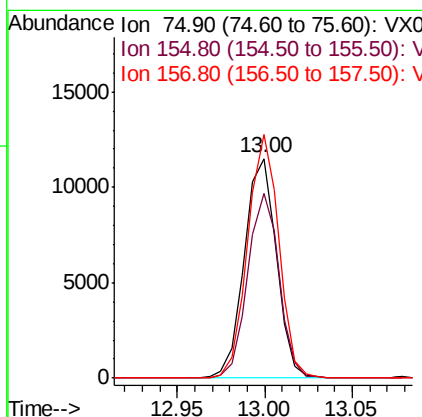
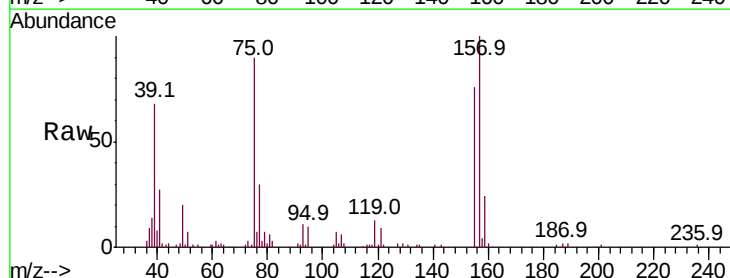
Manual Integrations
 APPROVED

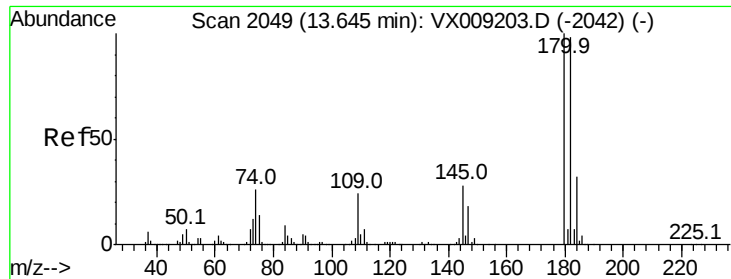
MMDadoda
 5/17/2019 1:09:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.690 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.0	126.0
157	107.2	53.2	159.6





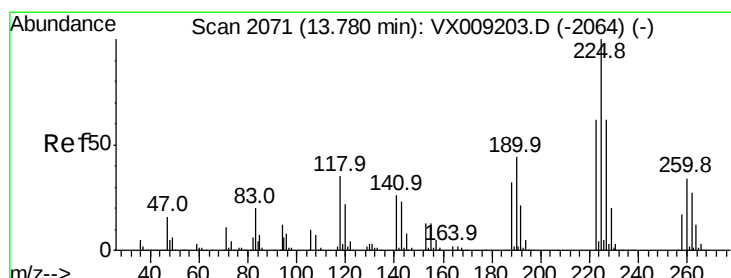
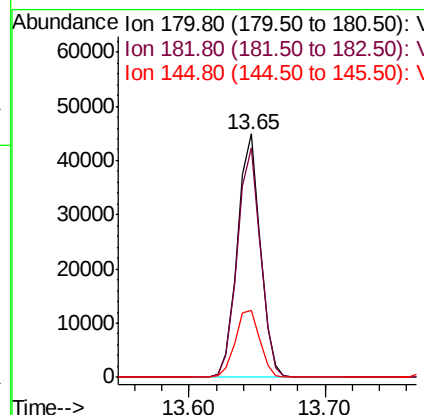
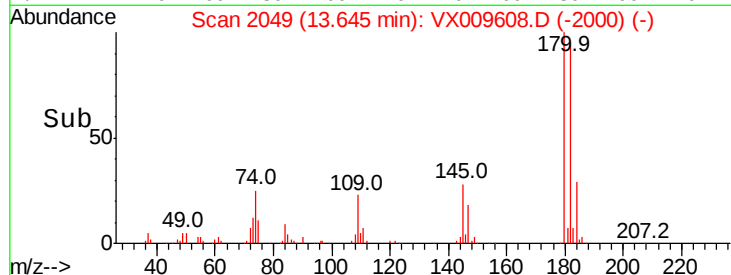
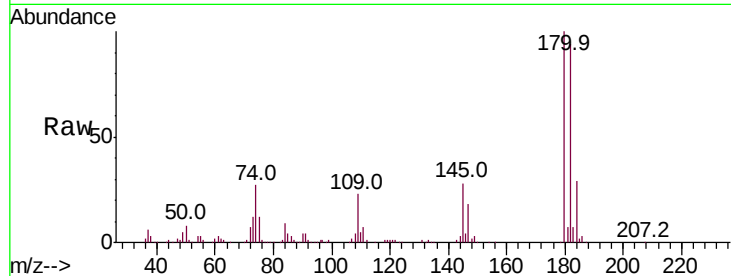
#93
 1,2,4-Trichlorobenzene
 Concen: 20.003 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.4	145.2	
145	29.6	14.6	43.8	

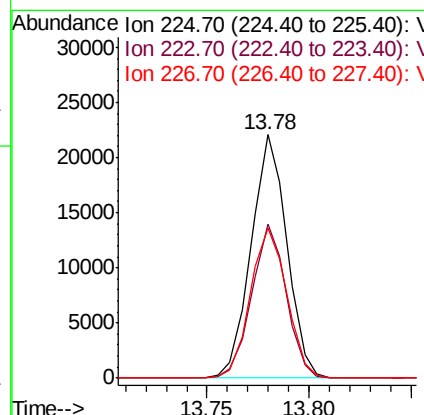
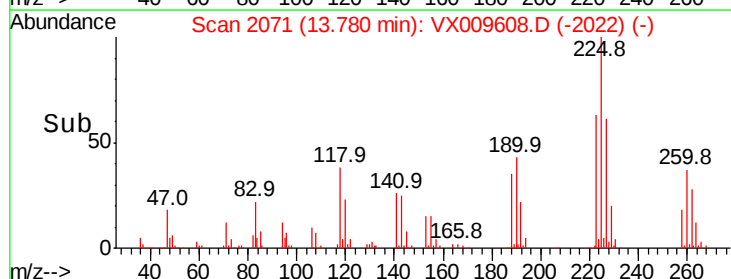
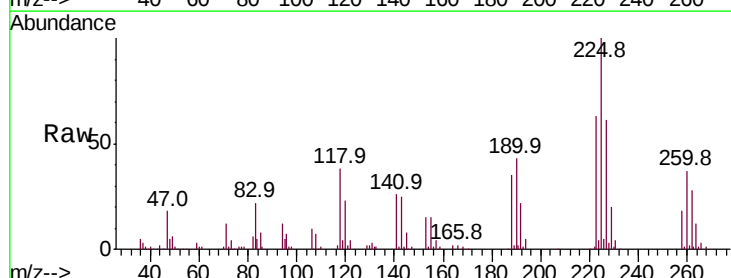
Manual Integrations
 APPROVED

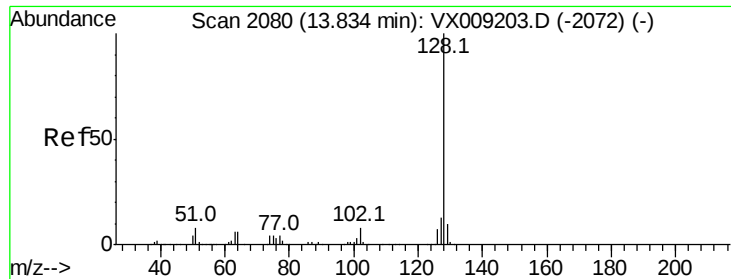
MMDadoda
 5/17/2019 1:09:29 PM



#94
 Hexachlorobutadiene
 Concen: 19.947 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.3	93.8	
227	63.1	31.8	95.3	





#95

Naphthalene

Concen: 20.422 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

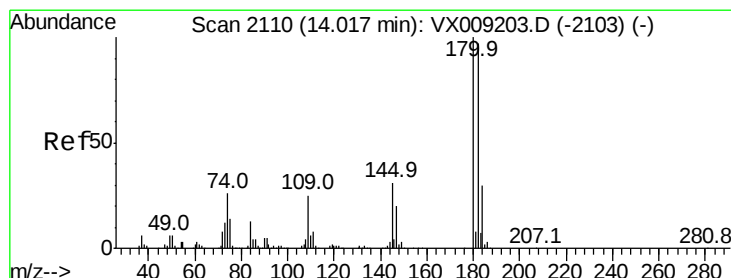
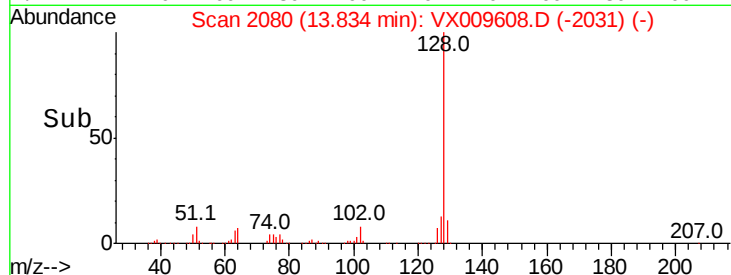
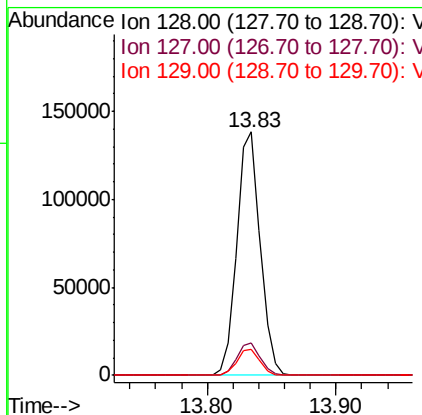
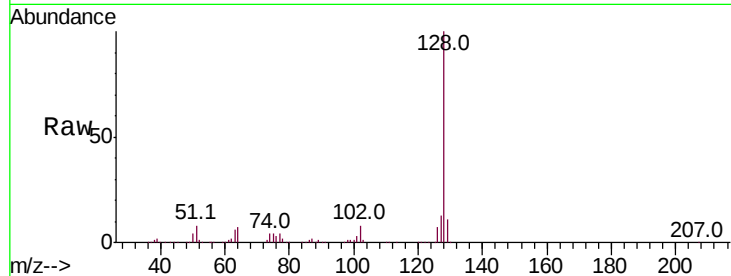
ClientSampleId :

VX0516MBS01

Tot Ion:	128	Resp:	175040
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.064 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion:	180	Resp:	53581
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.4
145	31.9	15.4	46.4

