

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008243.D
 Acq On : 20 Mar 2019 15:40
 Operator : JC/SP
 Sample : VX0320WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:46:11 PM

Quant Time: Mar 22 07:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	460774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	202774	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	152521	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.71	98	578500	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	201472	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68711	20.426	ug/l	98
3) Chloromethane	1.33	50	78952	18.704	ug/l	100
4) Vinyl Chloride	1.41	62	81754	19.426	ug/l	99
5) Bromomethane	1.64	94	52994	14.782	ug/l	98
6) Chloroethane	1.73	64	54838	20.782	ug/l	98
7) Trichlorofluoromethane	1.93	101	101256	18.852	ug/l	100
8) Diethyl Ether	2.19	74	58140	21.040	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71601	20.079	ug/l	92
10) Methyl Iodide	2.51	142	93013	20.485	ug/l	97
11) Tert butyl alcohol	3.04	59	92616	103.530	ug/l	98
12) 1,1-Dichloroethene	2.38	96	68859	20.454	ug/l	92
13) Acrolein	2.29	56	53322	77.440	ug/l	96
14) Allyl chloride	2.73	41	148333	20.240	ug/l	93
15) Acrylonitrile	3.14	53	247085	104.423	ug/l	99
16) Acetone	2.45	43	216732	91.445	ug/l	98
17) Carbon Disulfide	2.57	76	208522	19.394	ug/l	100
18) Methyl Acetate	2.78	43	120263	21.918	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	251228	20.639	ug/l	97
20) Methylene Chloride	2.86	84	80848	20.457	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	73114	20.103	ug/l	95
22) Diisopropyl ether	3.86	45	300651	20.946	ug/l	90
23) Vinyl Acetate	3.82	43	1280506	104.058	ug/l	98
24) 1,1-Dichloroethane	3.70	63	151731	20.554	ug/l	98
25) 2-Butanone	4.67	43	355535	101.623	ug/l	97
26) 2,2-Dichloropropane	4.59	77	96767	17.400	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	84621	20.410	ug/l	92
28) Bromochloromethane	5.02	49	67667	20.413	ug/l	83
29) Tetrahydrofuran	5.13	42	234102	107.039	ug/l	97
30) Chloroform	5.21	83	143661	20.804	ug/l	100
31) Cyclohexane	5.59	56	140381	20.251	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	116988	20.366	ug/l	97
36) 1,1-Dichloropropene	5.81	75	106717	19.893	ug/l	97
37) Ethyl Acetate	4.84	43	135224	21.323	ug/l	98
38) Carbon Tetrachloride	5.79	117	96337	20.155	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008243.D
 Acq On : 20 Mar 2019 15:40
 Operator : JC/SP
 Sample : VX0320WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0320WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:46:11 PM

Quant Time: Mar 22 07:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125047	19.370	ug/l	94
40) Benzene	6.15	78	331481	20.877	ug/l	99
41) Methacrylonitrile	5.04	41	76001	21.366	ug/l	96
42) 1,2-Dichloroethane	6.20	62	120314	20.684	ug/l	96
43) Isopropyl Acetate	6.45	43	210280	20.687	ug/l	97
44) Trichloroethene	7.21	130	78743	20.282	ug/l	90
45) 1,2-Dichloropropane	7.51	63	92275	20.760	ug/l	98
46) Dibromomethane	7.66	93	55334	20.561	ug/l #	86
47) Bromodichloromethane	7.90	83	106108	20.688	ug/l	99
48) Methyl methacrylate	7.77	41	110827	20.505	ug/l	93
49) 1,4-Dioxane	7.74	88	39380	412.892	ug/l #	90
51) 4-Methyl-2-Pentanone	8.64	43	707180	107.614	ug/l	97
52) Toluene	8.79	92	194715	20.671	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	112533	18.444	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	124395	19.543	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	80250	21.085	ug/l	97
56) Ethyl methacrylate	9.18	69	130597	19.883	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	142967	21.235	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	295620	94.801	ug/l	94
59) 2-Hexanone	9.49	43	531021	104.961	ug/l	96
60) Dibromochloromethane	9.58	129	76596	20.941	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83086	20.907	ug/l	100
64) Tetrachloroethene	9.34	164	77345	21.004	ug/l	96
65) Chlorobenzene	10.14	112	203553	20.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	72291	20.645	ug/l	99
67) Ethyl Benzene	10.25	91	359692	20.323	ug/l	98
68) m/p-Xylenes	10.36	106	266283	40.958	ug/l	94
69) o-Xylene	10.69	106	130298	20.625	ug/l	95
70) Styrene	10.71	104	211095	20.561	ug/l	96
71) Bromoform	10.85	173	55116	19.665	ug/l #	99
73) Isopropylbenzene	11.02	105	345178	20.664	ug/l	98
74) N-amyl acetate	10.90	43	179459	20.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	124370	20.763	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	125815m	23.869	ug/l	
77) Bromobenzene	11.26	156	83644	20.710	ug/l	87
78) n-propylbenzene	11.36	91	396709	20.447	ug/l	95
79) 2-Chlorotoluene	11.42	91	239039	20.527	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	282035	20.436	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34674	17.725	ug/l	87
82) 4-Chlorotoluene	11.51	91	272024	20.074	ug/l	95
83) tert-Butylbenzene	11.77	119	268789	20.400	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	290577	20.769	ug/l	97
85) sec-Butylbenzene	11.94	105	331373	20.309	ug/l	97
86) p-Isopropyltoluene	12.06	119	284438	20.139	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	143916	19.939	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	145386	19.473	ug/l	97
89) n-Butylbenzene	12.38	91	250520	18.898	ug/l	97
90) Hexachloroethane	12.60	117	48307	20.083	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	148527	20.408	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26254	19.734	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
Data File : VX008243.D
Acq On : 20 Mar 2019 15:40
Operator : JC/SP
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

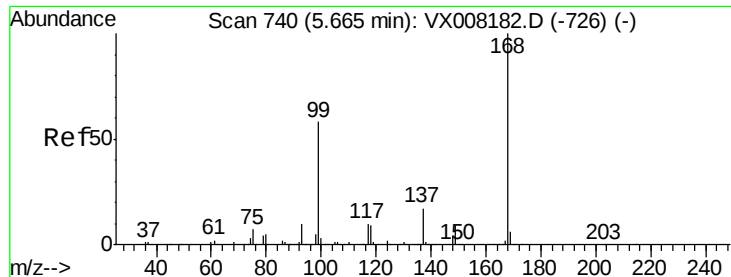
Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM

Quant Time: Mar 22 07:06:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92866	19.372	ug/l	98
94) Hexachlorobutadiene	13.78	225	46641	19.949	ug/l	99
95) Naphthalene	13.83	128	307392	20.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94928	20.125	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:168 Resp: 277463

Ion Ratio Lower Upper

168 100

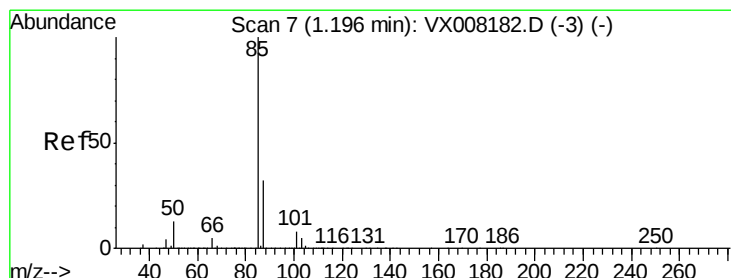
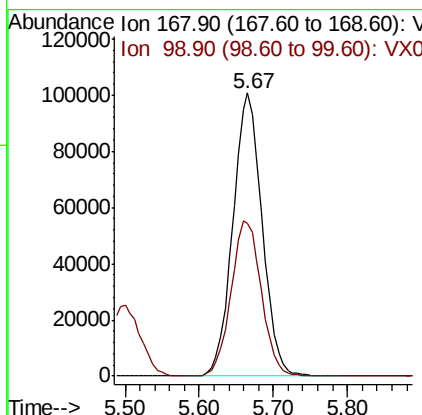
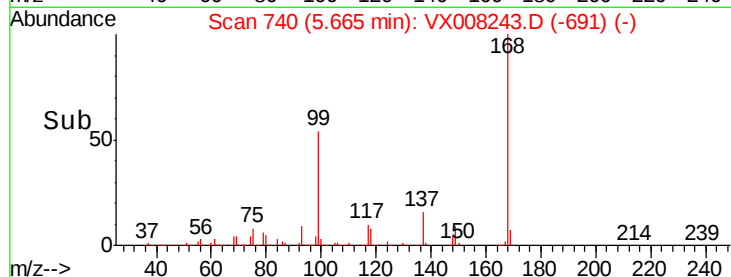
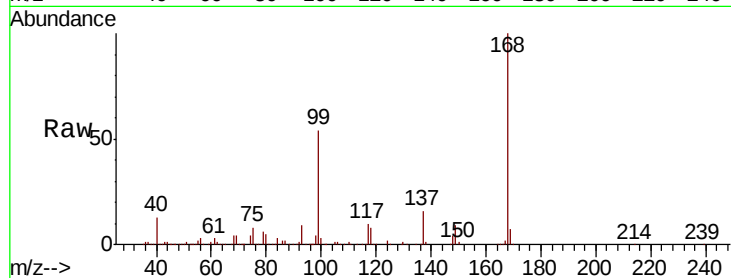
99 54.0 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#2

Dichlorodifluoromethane

Concen: 20.426 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008243.D

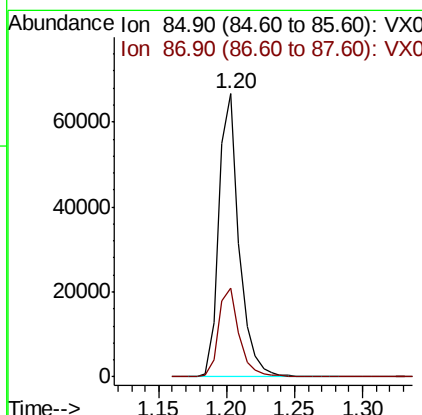
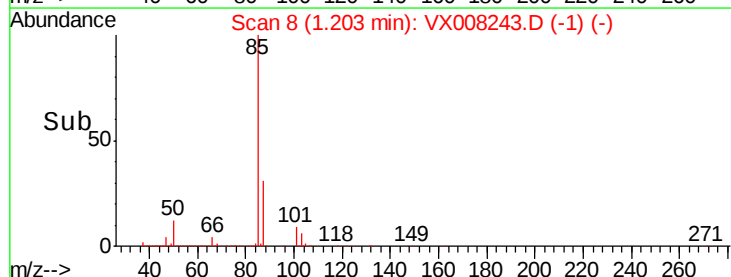
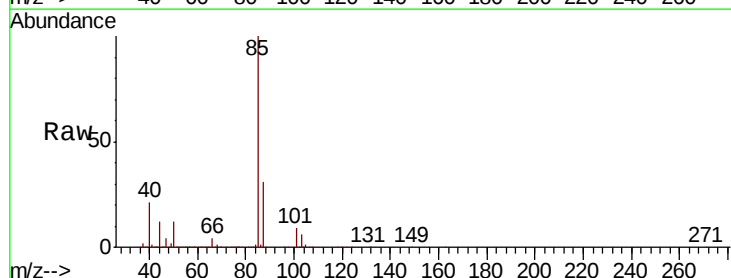
Acq: 20 Mar 2019 15:40

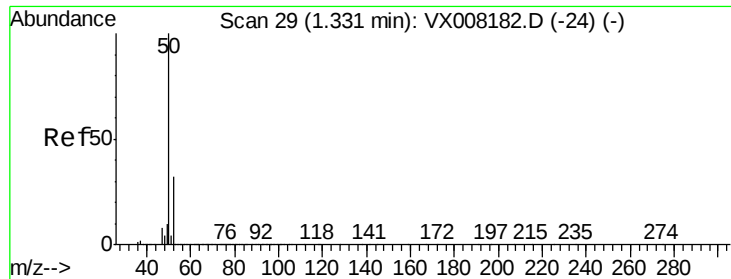
Tgt Ion: 85 Resp: 68711

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1





#3

Chloromethane

Concen: 18.704 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 50 Resp: 78952

Ion Ratio Lower Upper

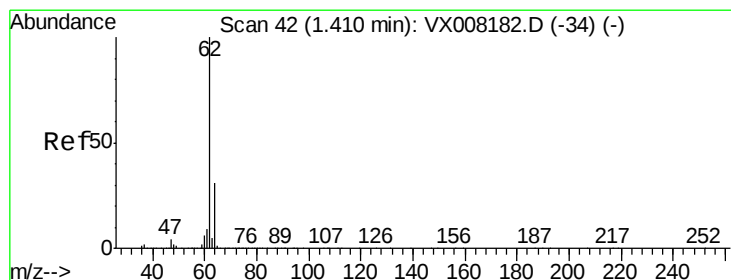
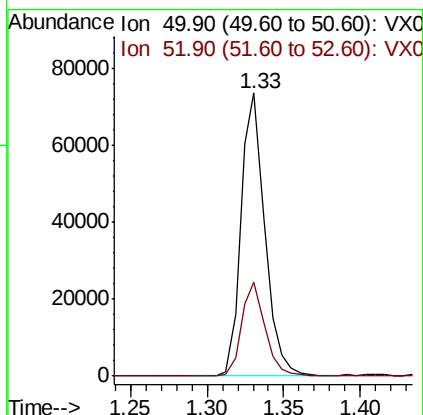
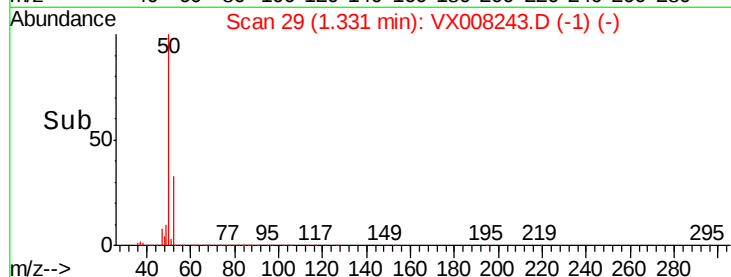
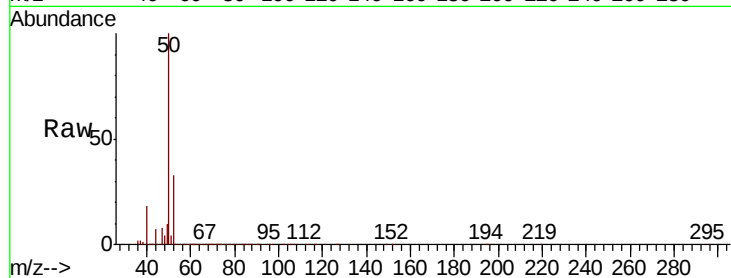
50 100

52 33.1 26.5 39.7

Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#4

Vinyl Chloride

Concen: 19.426 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008243.D

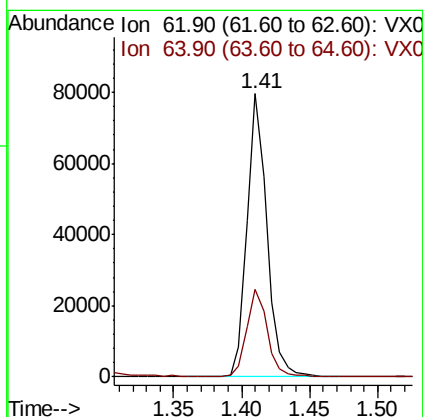
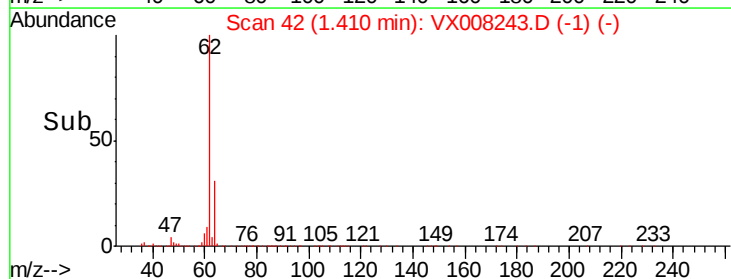
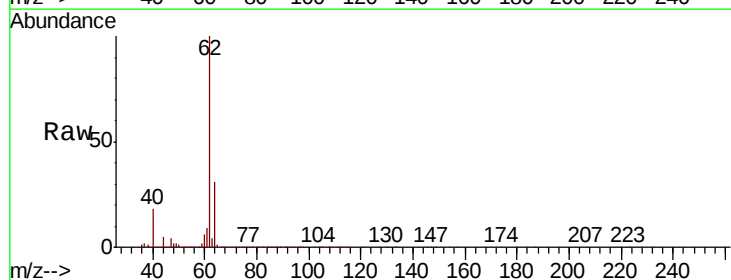
Acq: 20 Mar 2019 15:40

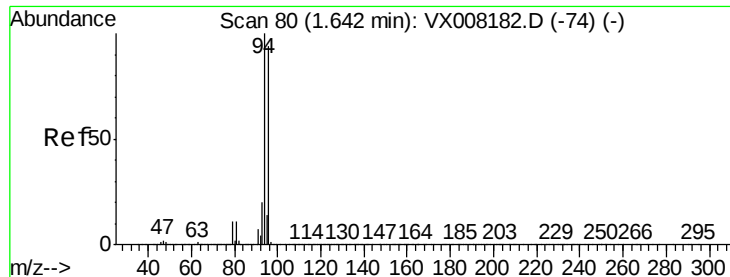
Tgt Ion: 62 Resp: 81754

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 14.782 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 94 Resp: 52994

Ion Ratio Lower Upper

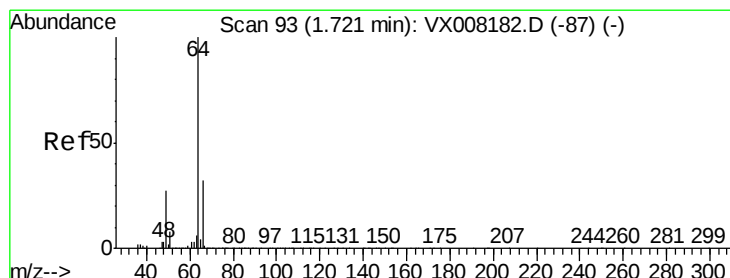
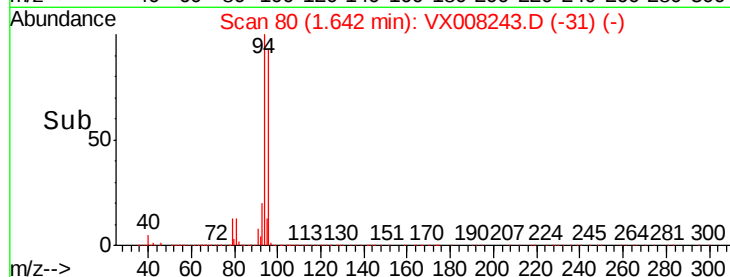
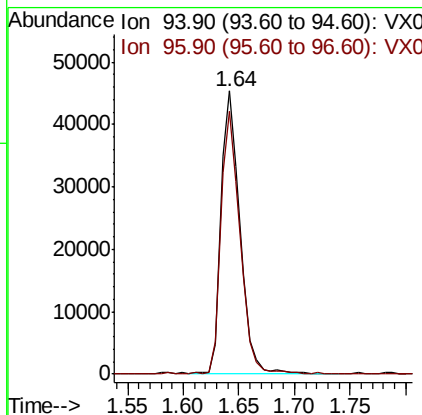
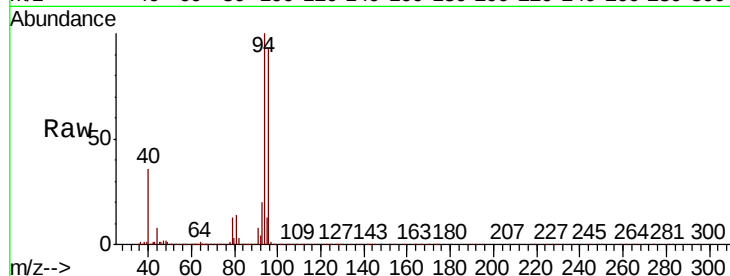
94 100

96 92.9 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#6

Chloroethane

Concen: 20.782 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008243.D

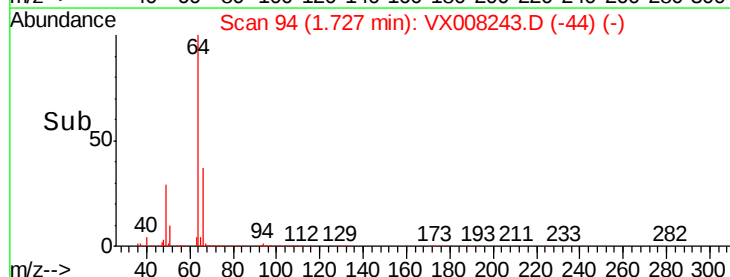
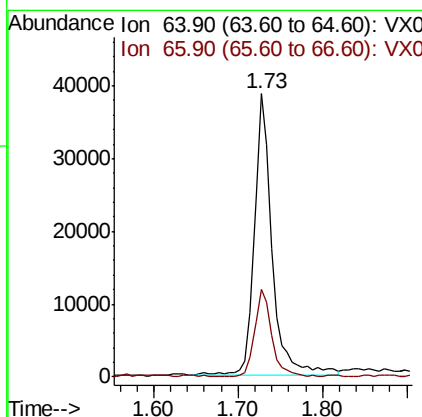
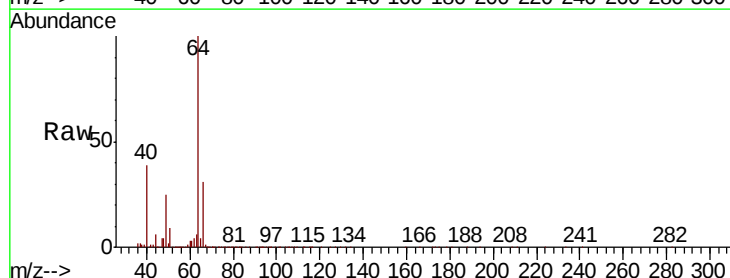
Acq: 20 Mar 2019 15:40

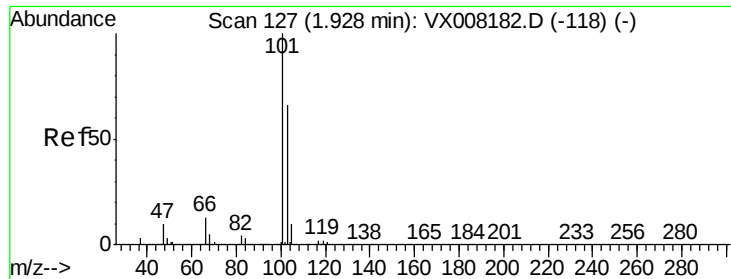
Tgt Ion: 64 Resp: 54838

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8





#7

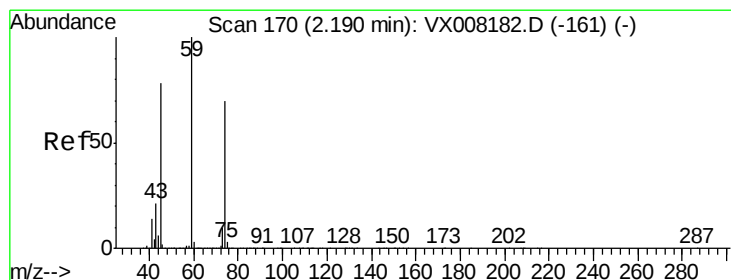
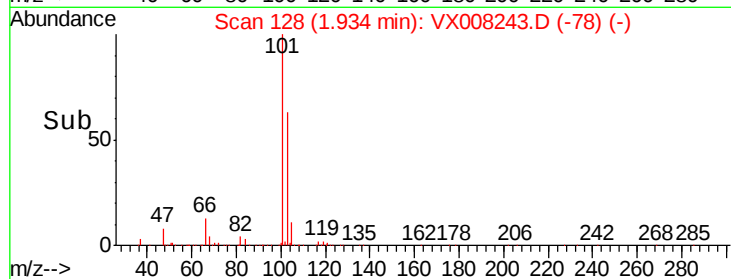
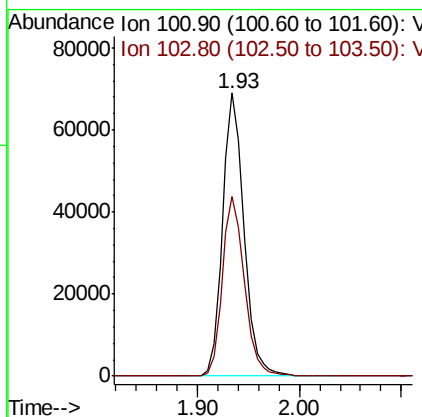
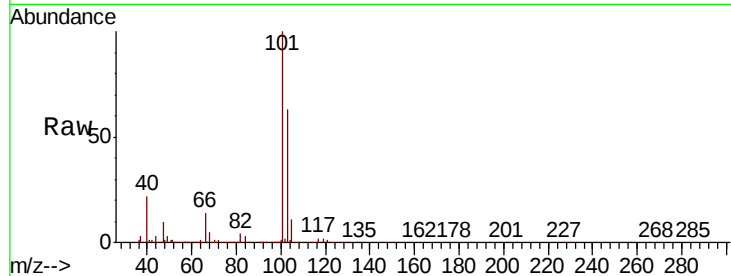
Trichlorofluoromethane
Concen: 18.852 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.4	75.6

Manual Integrations
APPROVED

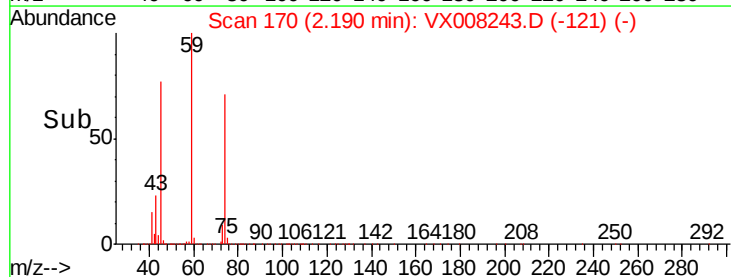
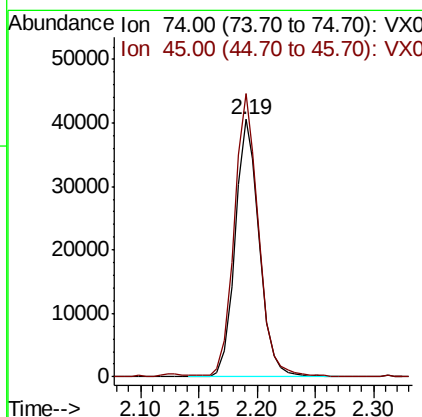
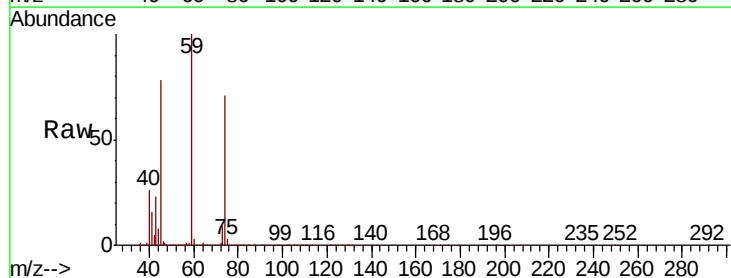
MMDadoda
3/22/2019 2:46:11 PM

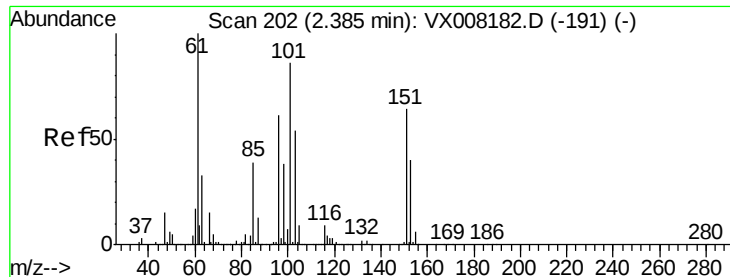


#8

Diethyl Ether
Concen: 21.040 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.079 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

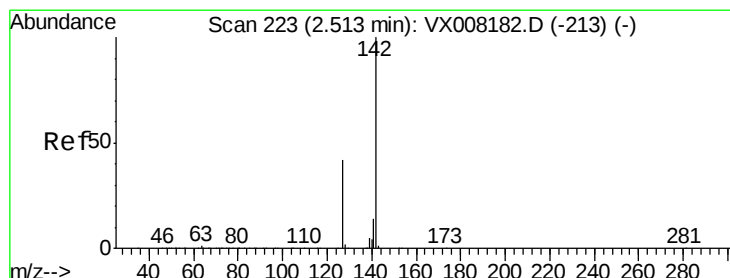
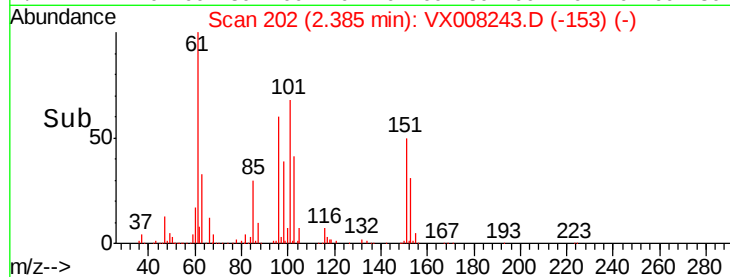
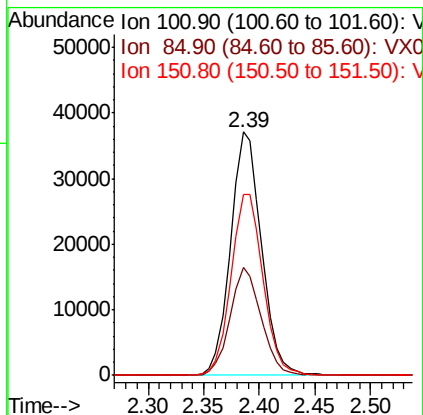
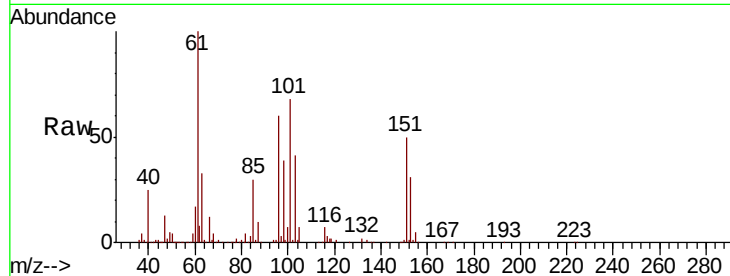
ClientSampleId :

VX0320WBSD01

Tot Ion:	101	Resp:	71601
Ion Ratio	Lower	Upper	
101	100		
85	44.7	33.8	50.6
151	76.7	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#10

Methyl Iodide

Concen: 20.485 ug/l

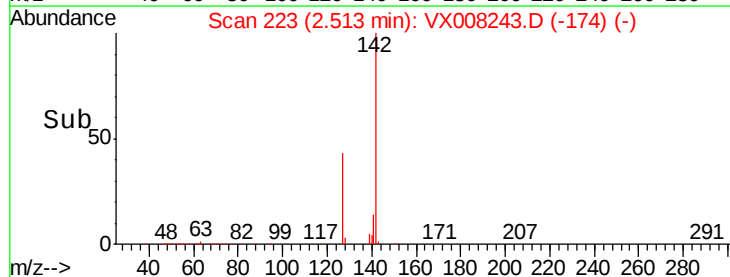
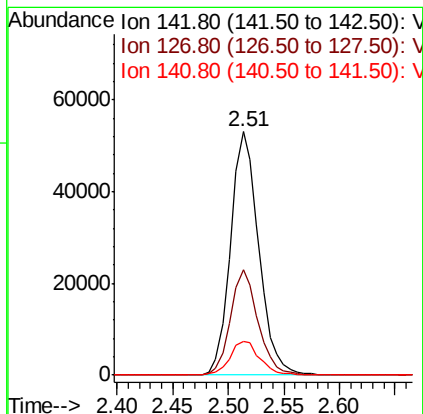
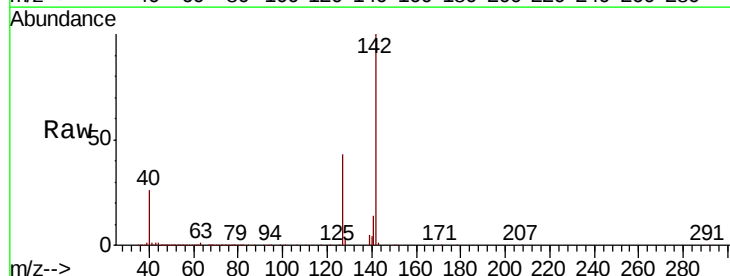
RT: 2.51 min Scan# 223

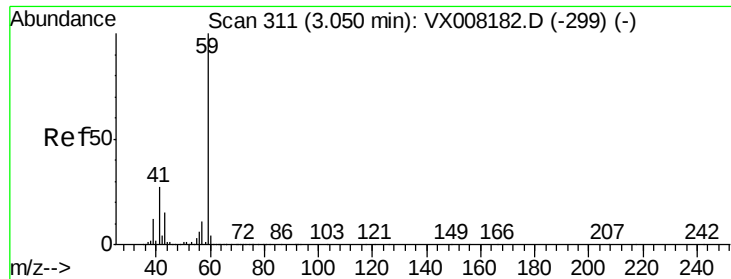
Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	142	Resp:	93013
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.1	48.1
141	14.4	11.4	17.2





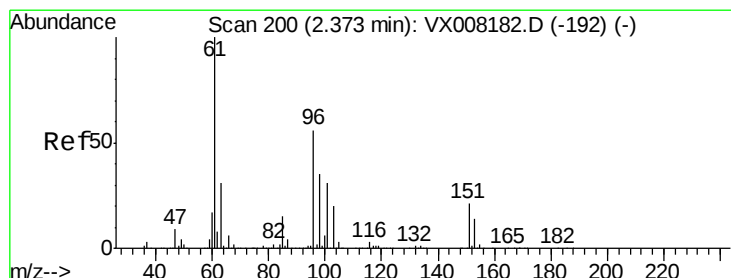
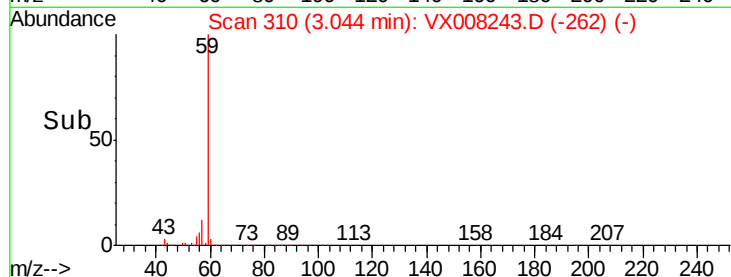
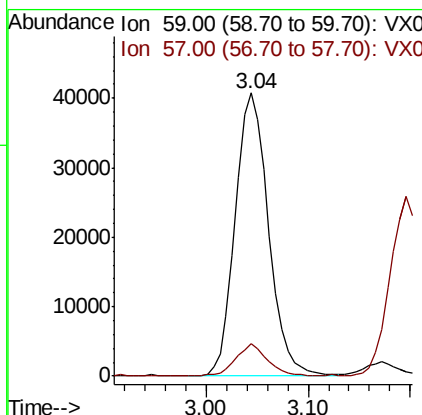
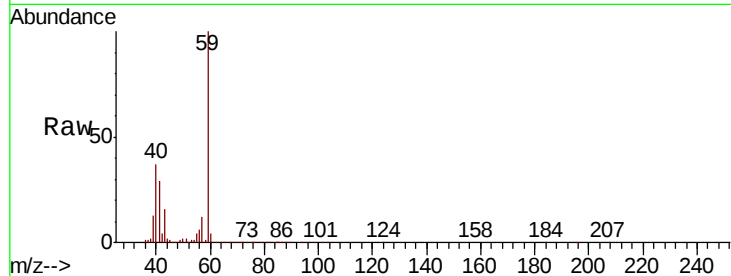
#11
Tert butyl alcohol
Concen: 103.530 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion: 59 Resp: 92616
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.2

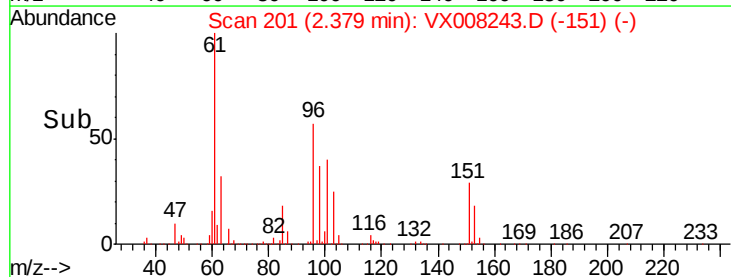
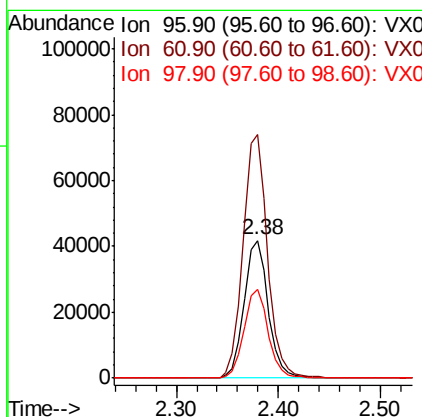
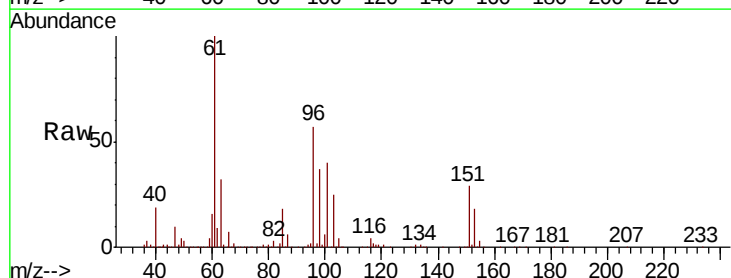
Manual Integrations
APPROVED

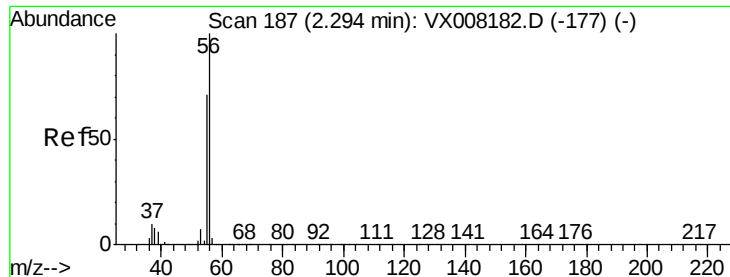
MMDadoda
3/22/2019 2:46:11 PM



#12
1,1-Dichloroethene
Concen: 20.454 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 96 Resp: 68859
Ion Ratio Lower Upper
96 100
61 176.5 129.8 194.6
98 64.7 51.0 76.6





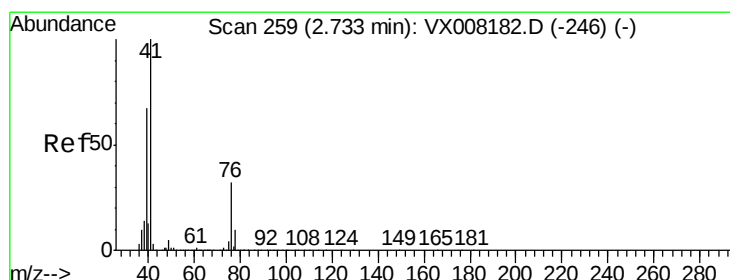
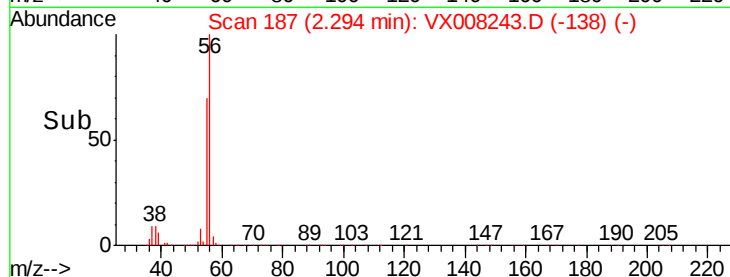
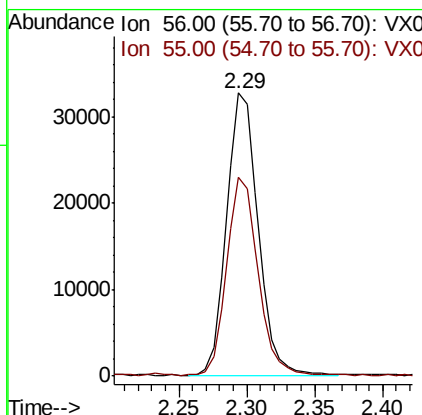
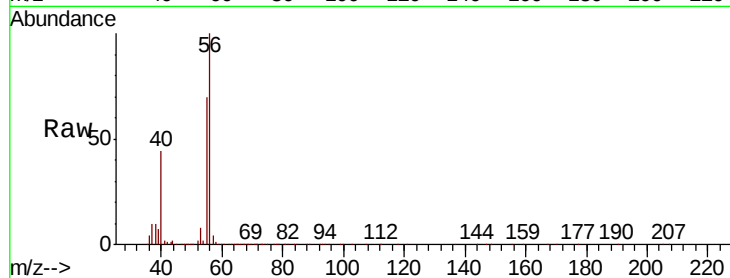
#13
Acrolein
Concen: 77.440 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.8	86.6

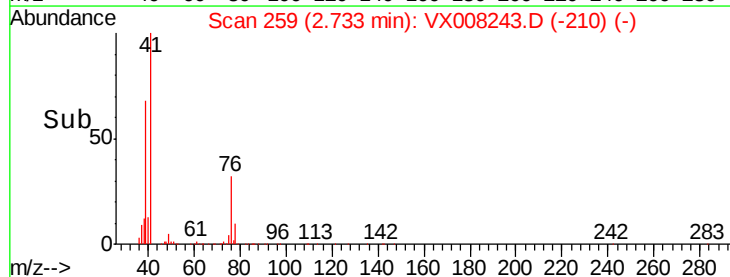
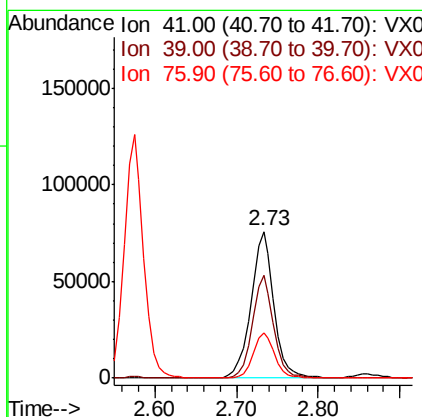
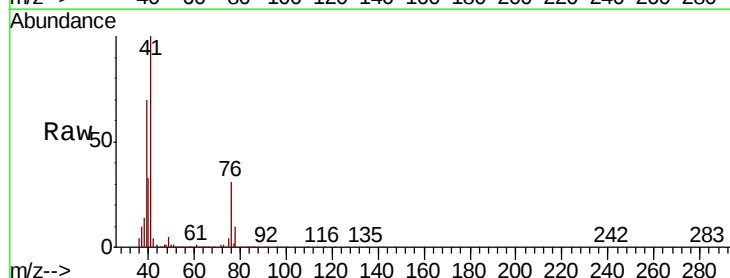
Manual Integrations
APPROVED

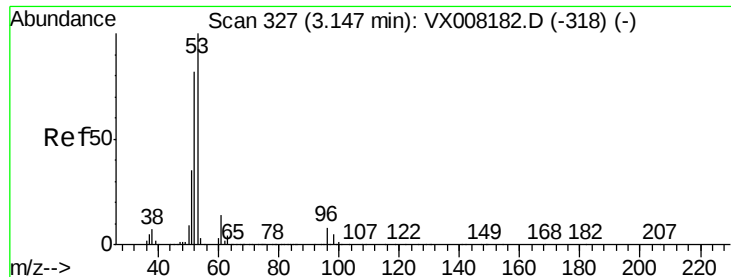
MMDadoda
3/22/2019 2:46:11 PM



#14
Allyl chloride
Concen: 20.240 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.9	46.1	69.1
76	28.7	24.0	36.0





#15

Acrylonitrile

Concen: 104.423 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

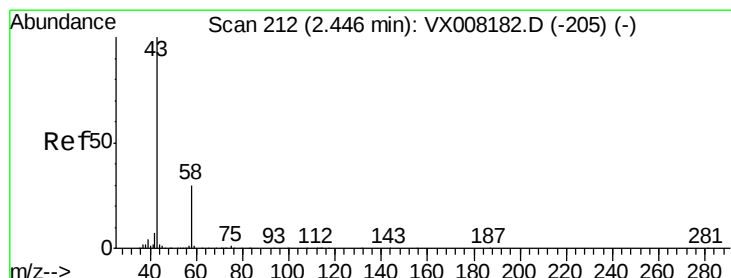
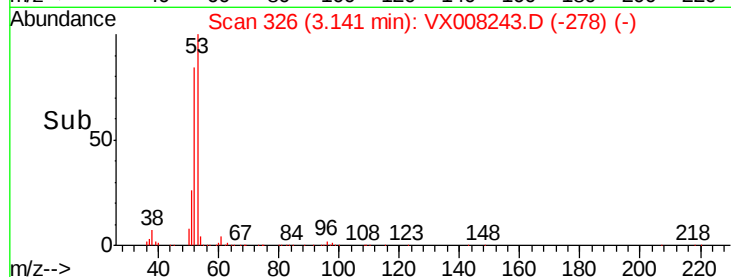
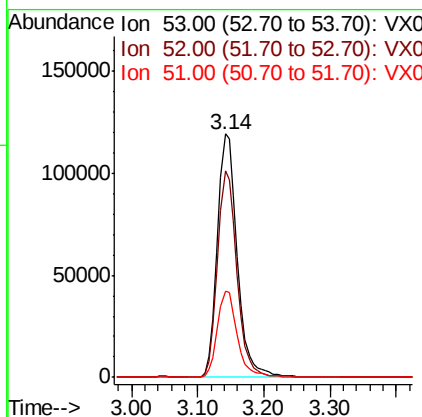
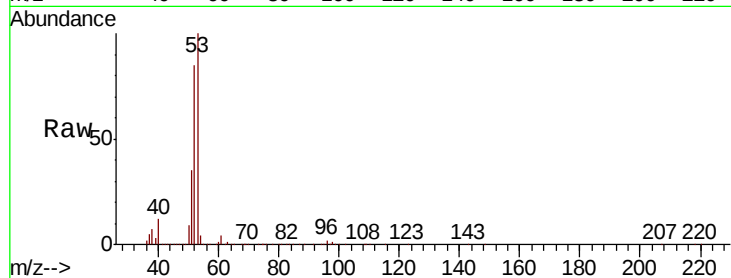
ClientSampleId :

VX0320WBSD01

Tot Ion:	53	Resp:	247085
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	35.8	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#16

Acetone

Concen: 91.445 ug/l

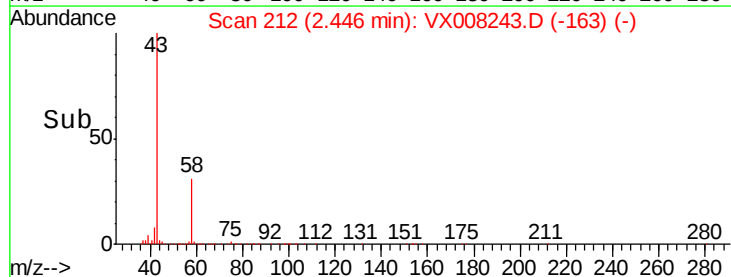
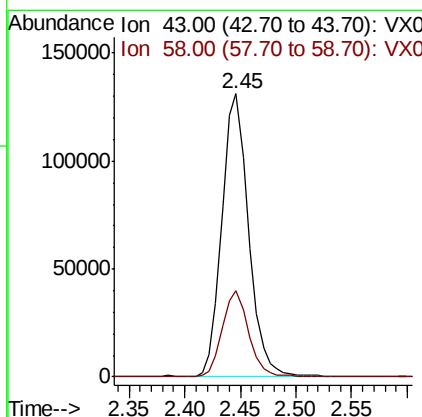
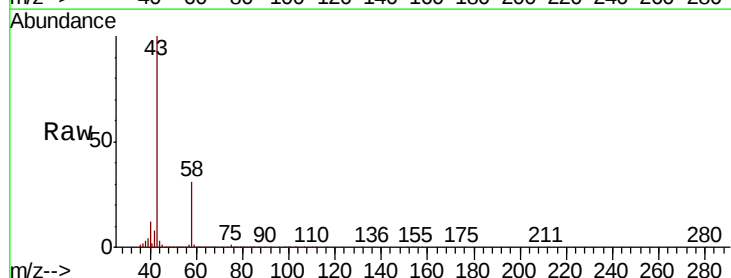
RT: 2.45 min Scan# 212

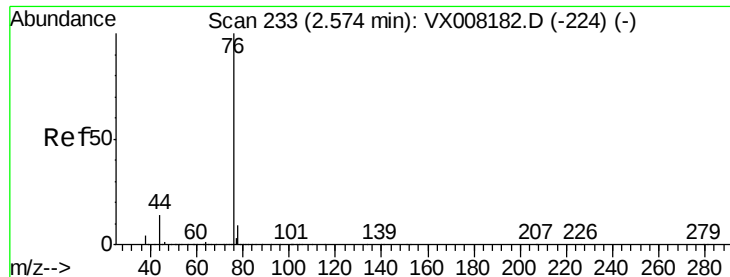
Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	43	Resp:	216732
Ion Ratio	Lower	Upper	
43	100		
58	30.7	25.5	38.3





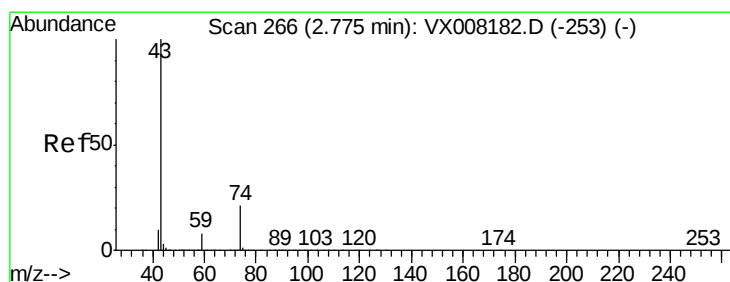
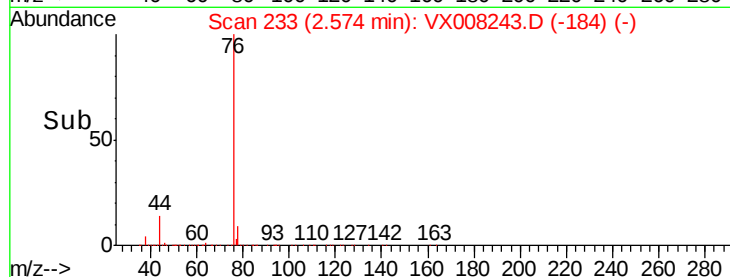
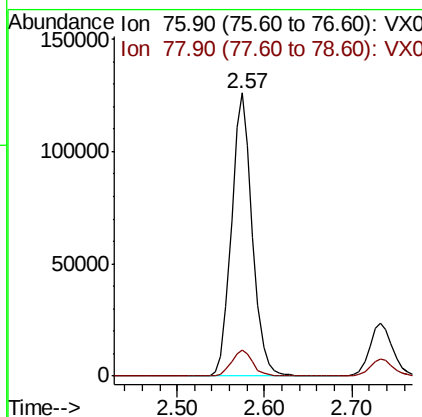
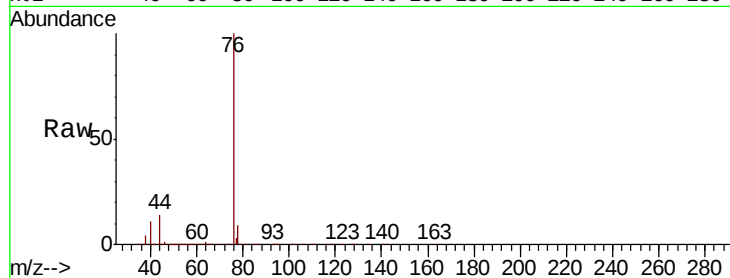
#17
Carbon Disulfide
Concen: 19.394 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

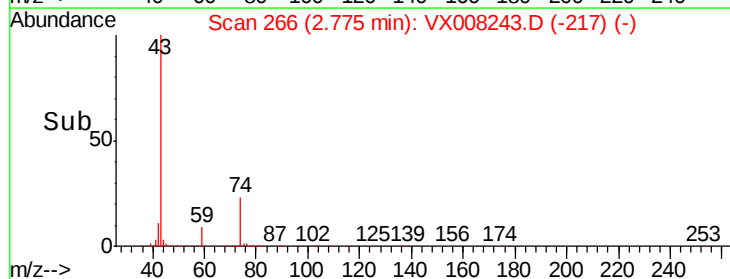
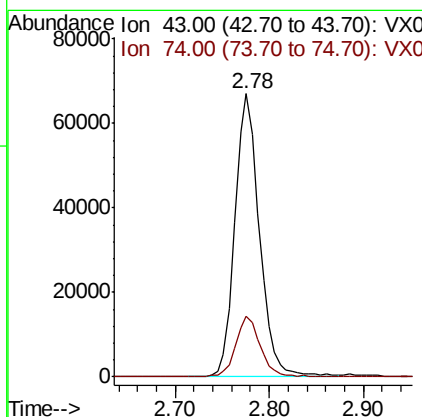
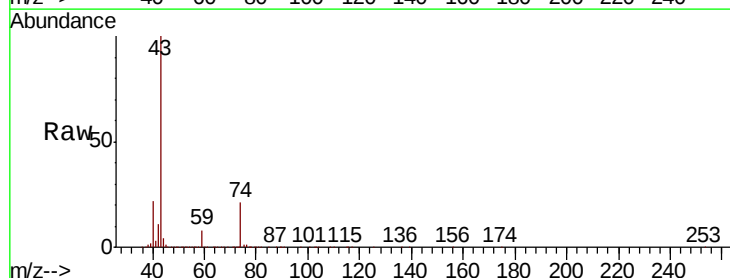
Manual Integrations
APPROVED

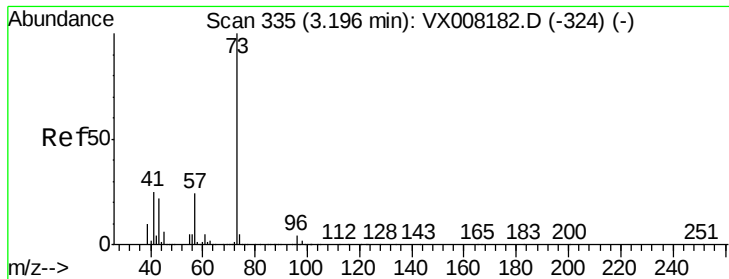
MMDadoda
3/22/2019 2:46:11 PM



#18
Methyl Acetate
Concen: 21.918 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.8	26.6





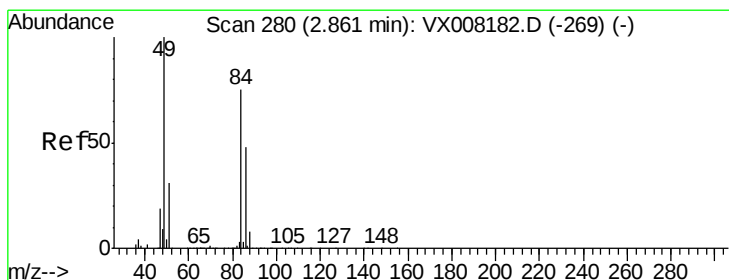
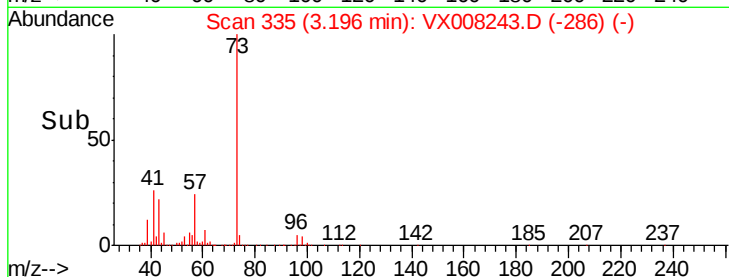
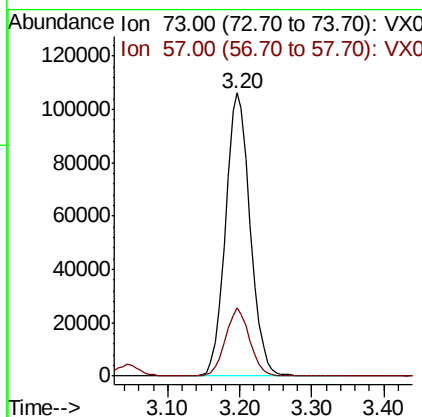
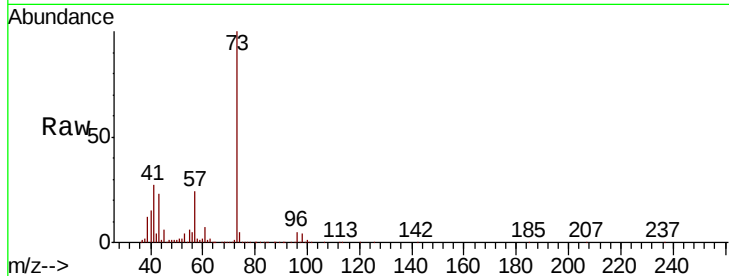
#19
Methvl tert-butvl Ether
Concen: 20.639 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	18.2	27.4

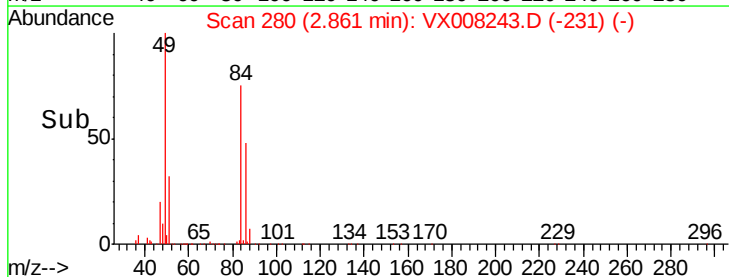
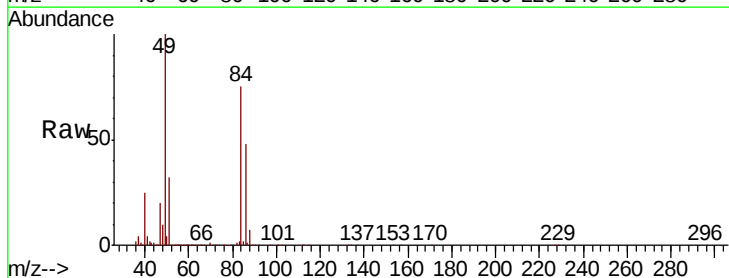
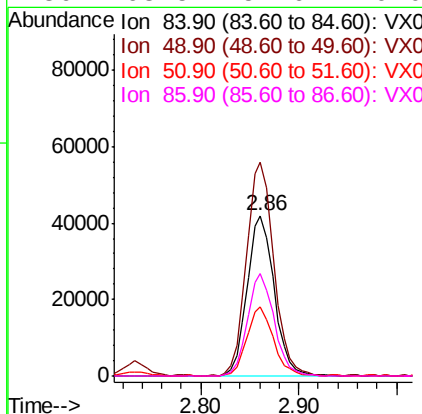
Manual Integrations
APPROVED

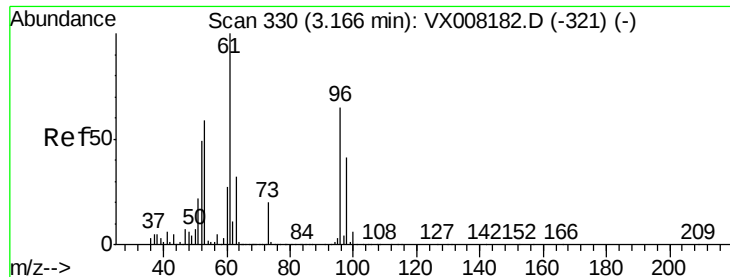
MMDadoda
3/22/2019 2:46:11 PM



#20
Methylene Chloride
Concen: 20.457 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.8	99.3	148.9
51	42.8	31.3	46.9
86	63.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.103 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

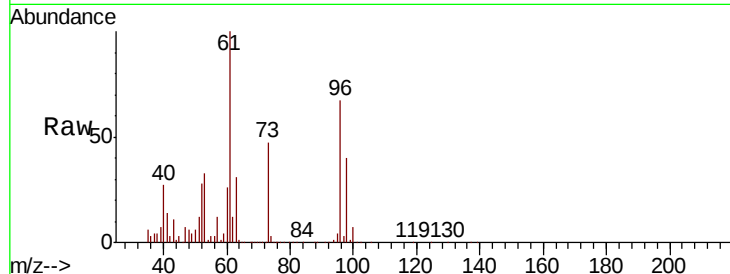
ClientSampleId :

VX0320WBSD01

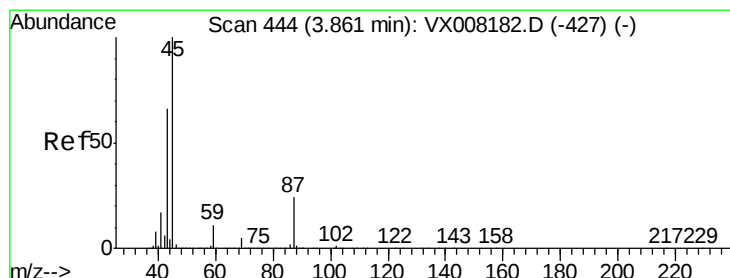
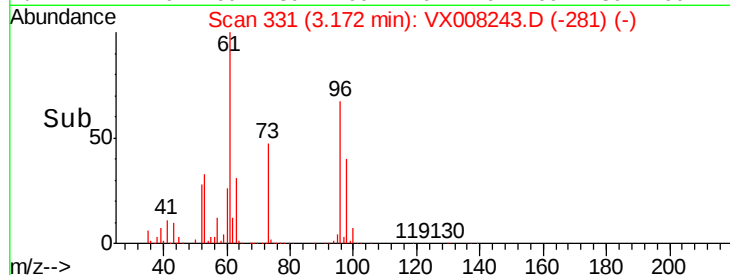
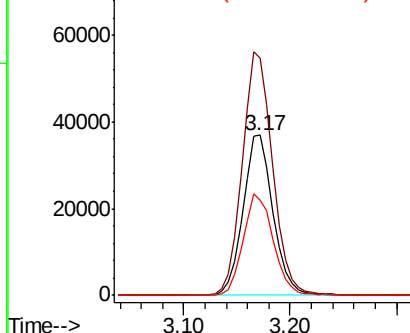
Tot Ion:	96	Resp:	73114
Ion	Ratio	Lower	Upper
96	100		
61	148.2	114.4	171.6
98	59.7	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.946 ug/l

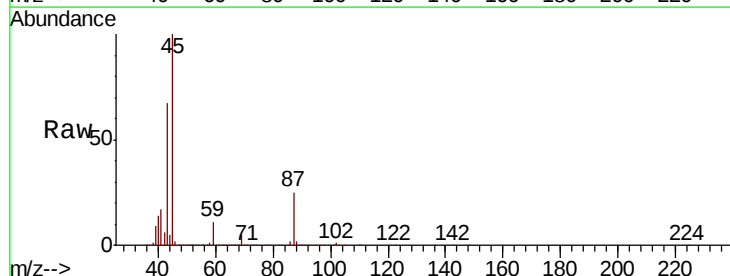
RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

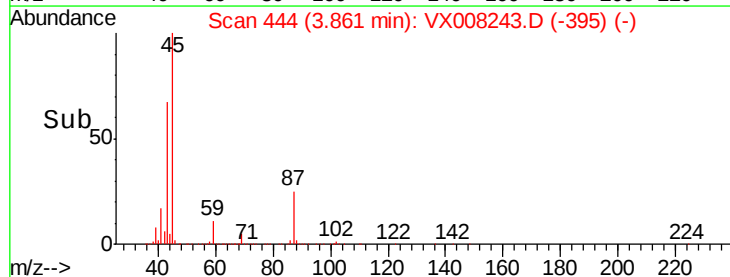
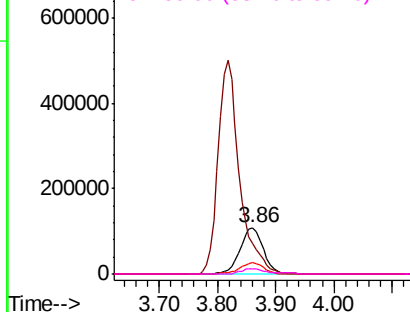
Lab File: VX008243.D

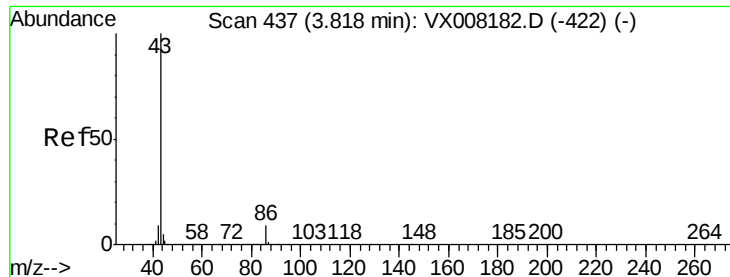
Acq: 20 Mar 2019 15:40

Tgt Ion:	45	Resp:	300651
Ion	Ratio	Lower	Upper
45	100		
43	67.0	45.3	67.9
87	24.5	21.4	32.0
59	11.1	9.5	14.3



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.058 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 43 Resp: 1280506

Ion Ratio Lower Upper

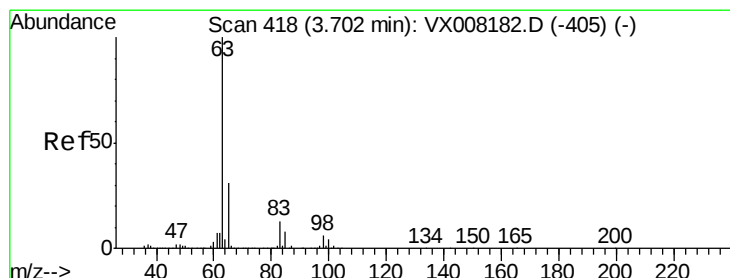
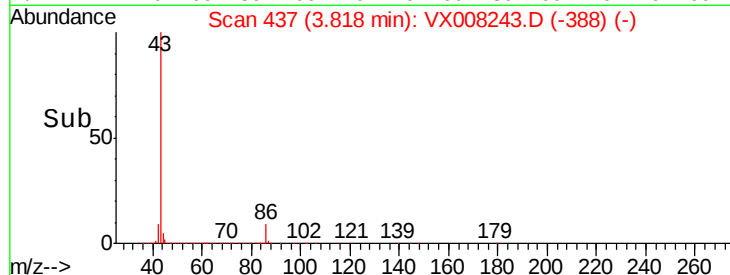
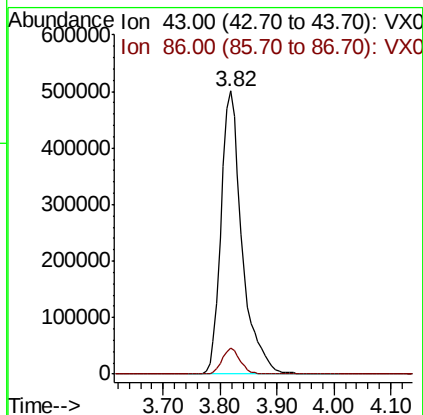
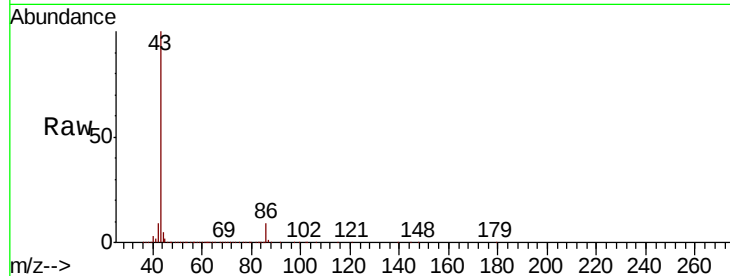
43 100

86 9.1 7.9 11.9

Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#24

1,1-Dichloroethane

Concen: 20.554 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

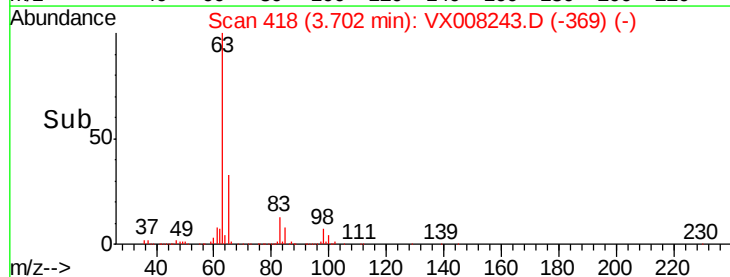
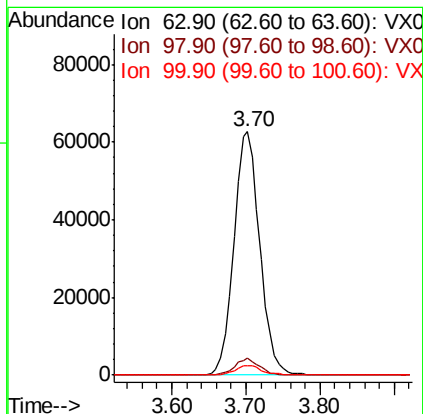
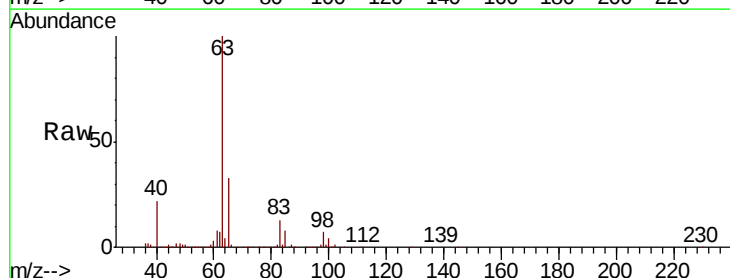
Tgt Ion: 63 Resp: 151731

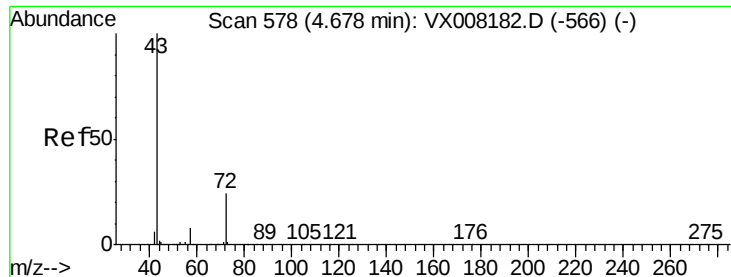
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 3.7 2.3 6.8





#25

2-Butanone

Concen: 101.623 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 43 Resp: 355535

Ion Ratio Lower Upper

43 100

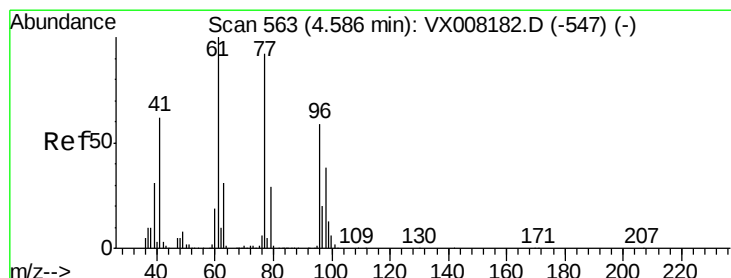
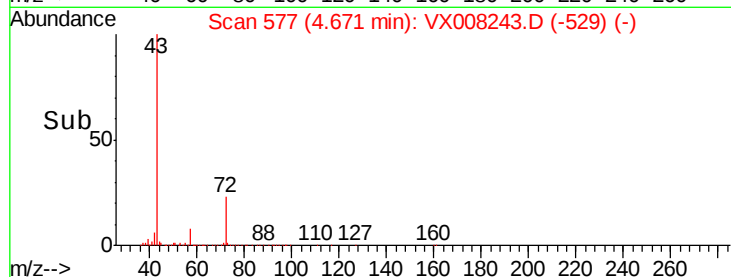
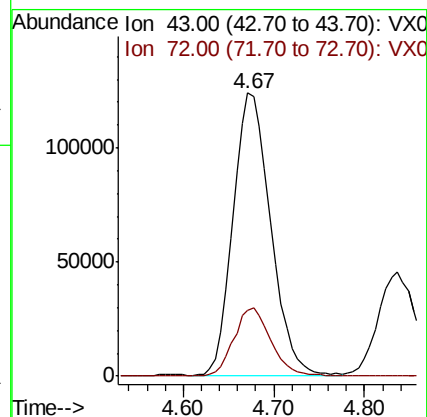
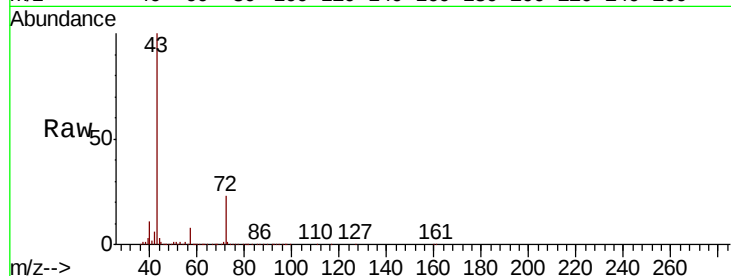
72 23.3 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#26

2,2-Dichloropropane

Concen: 17.400 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX008243.D

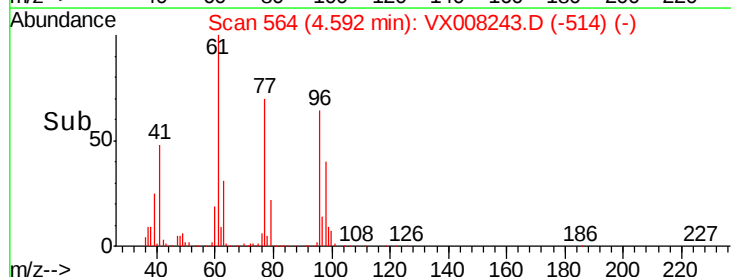
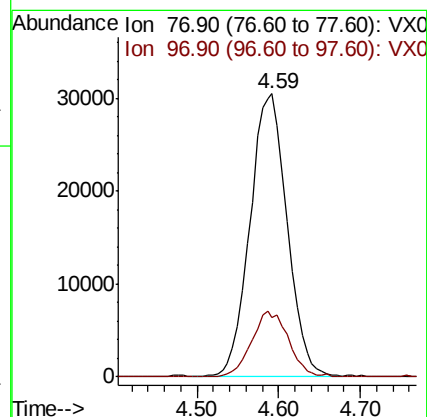
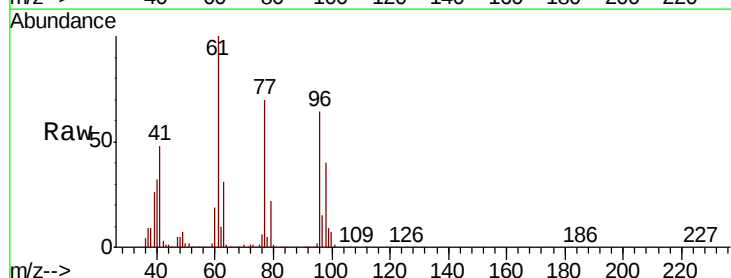
Acq: 20 Mar 2019 15:40

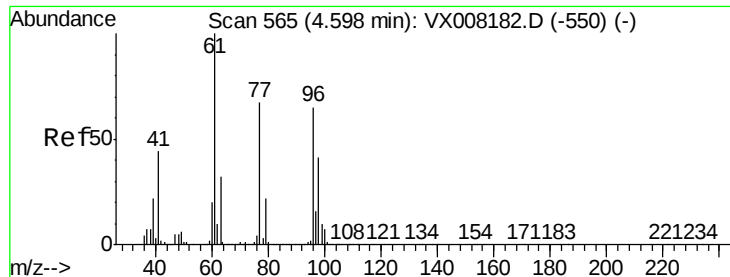
Tgt Ion: 77 Resp: 96767

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.6





#27

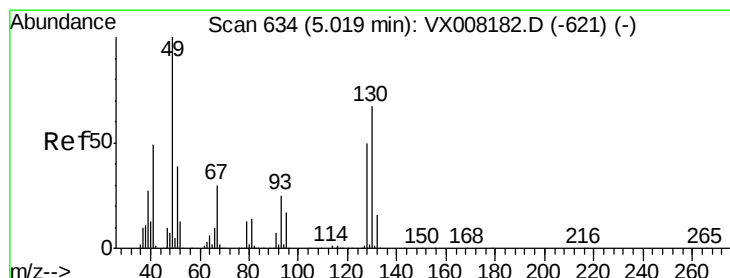
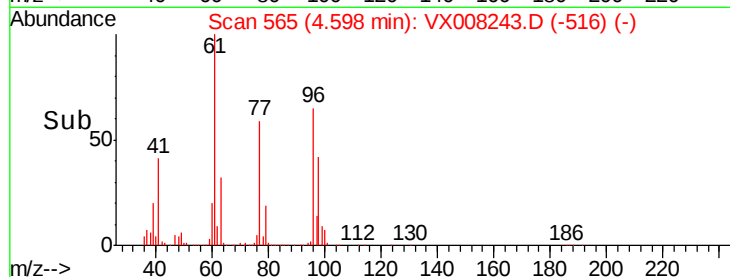
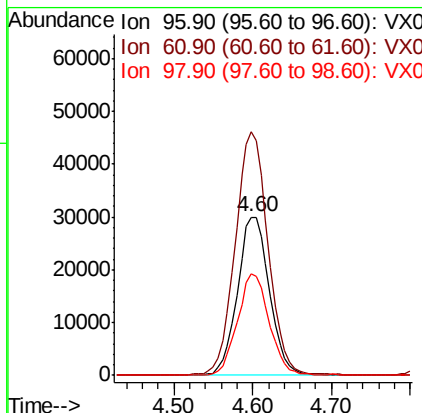
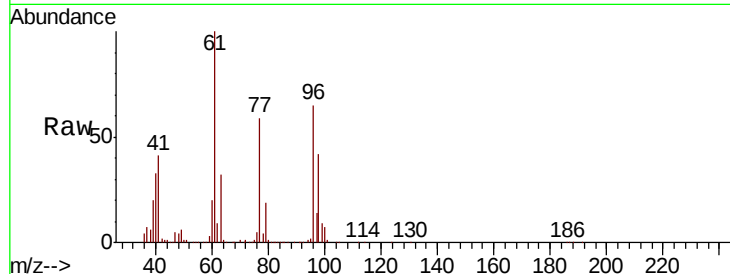
cis-1,2-Dichloroethene
Concen: 20.410 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	288.0
98	64.0	0.0	129.0

Manual Integrations
APPROVED

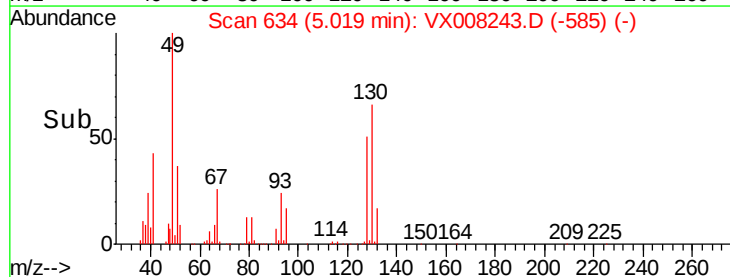
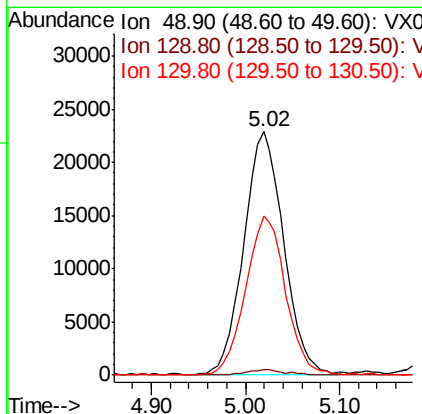
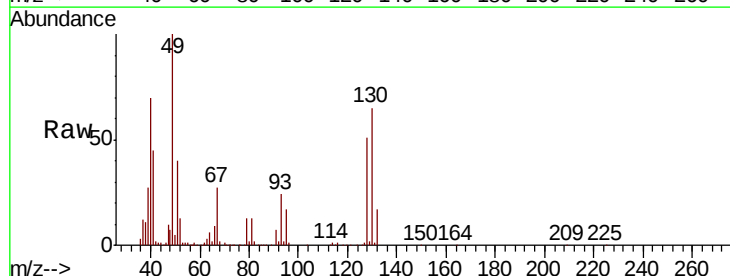
MMDadoda
3/22/2019 2:46:11 PM

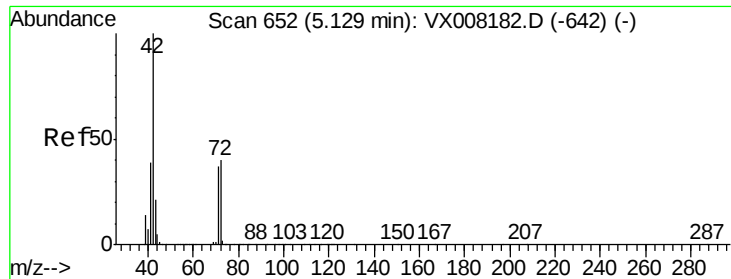


#28

Bromochloromethane
Concen: 20.413 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	65.6	65.0	97.4





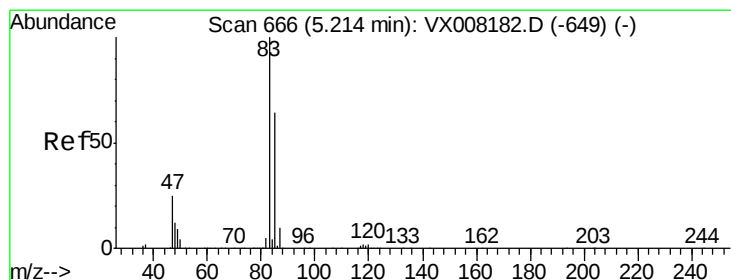
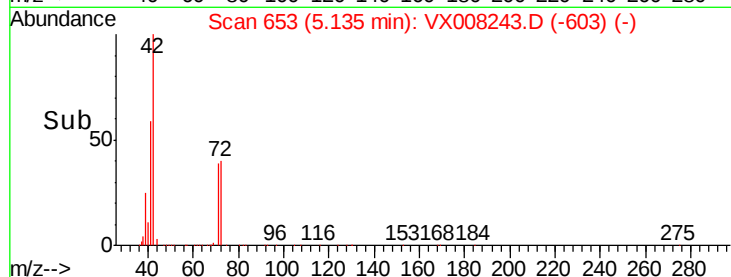
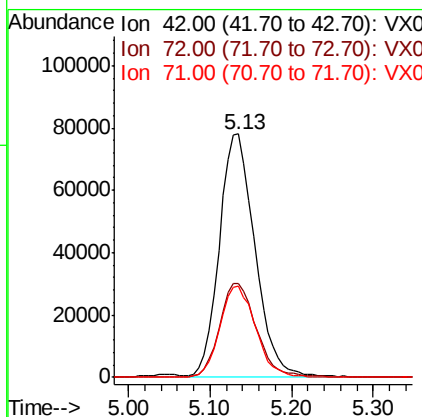
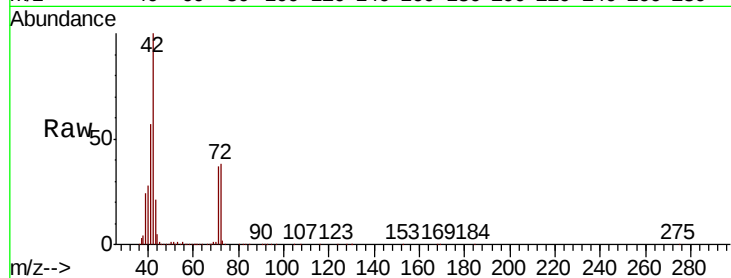
#29
Tetrahydrofuran
Concen: 107.039 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.8	50.6
71	38.0	31.5	47.3

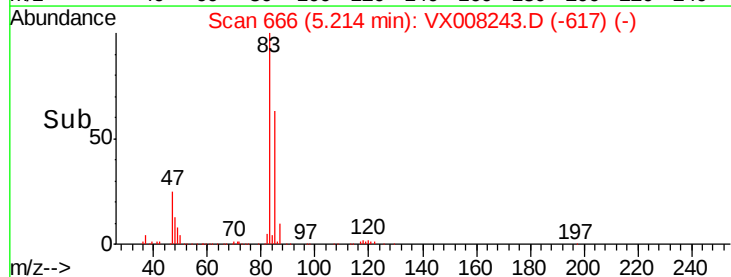
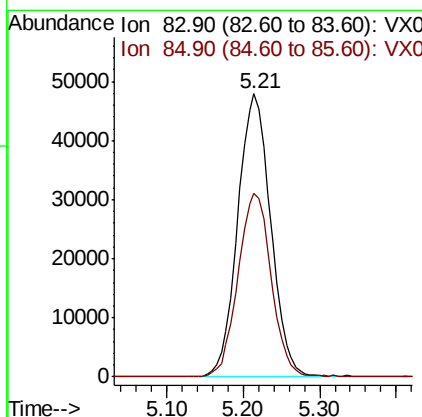
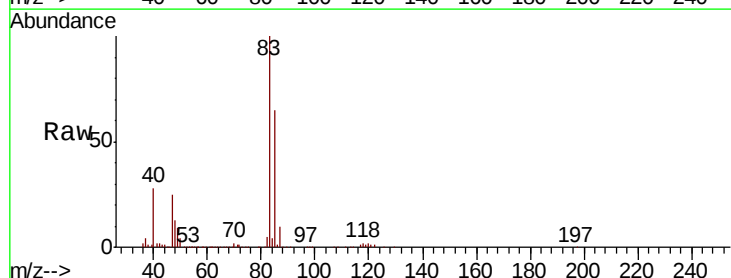
Manual Integrations
APPROVED

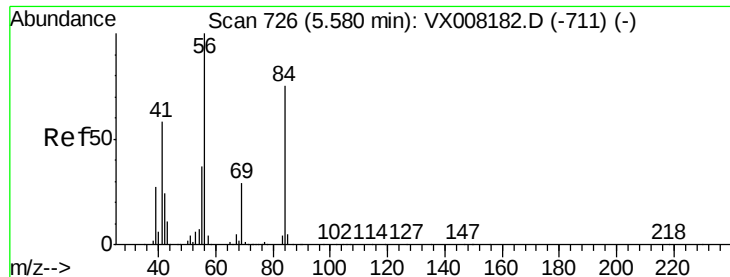
MMDadoda
3/22/2019 2:46:11 PM



#30
Chloroform
Concen: 20.804 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





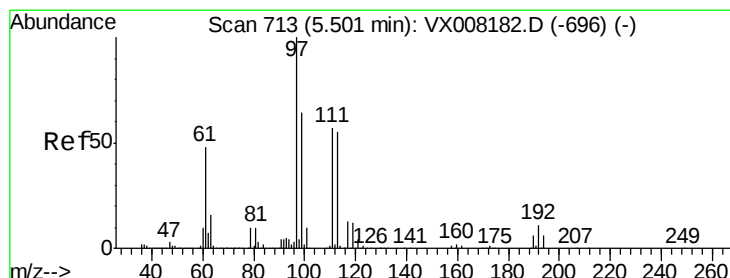
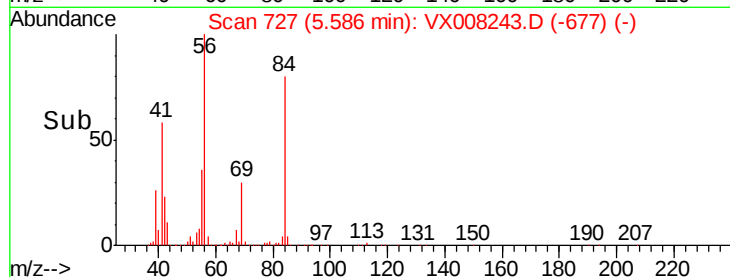
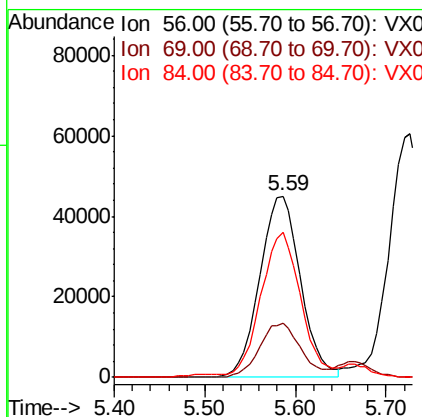
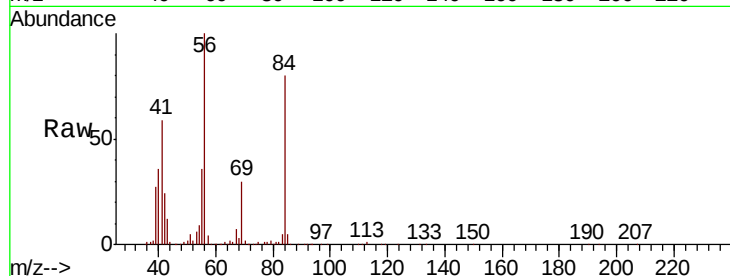
#31
Cyclohexane
Concen: 20.251 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	79.4	65.3	97.9

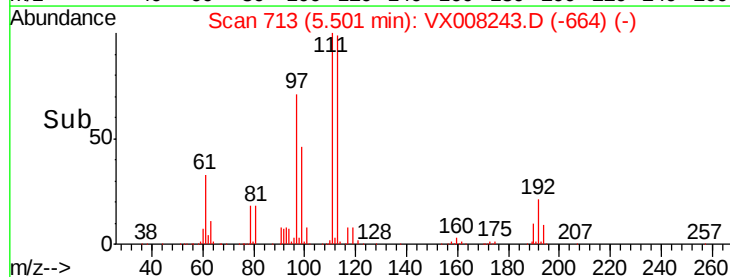
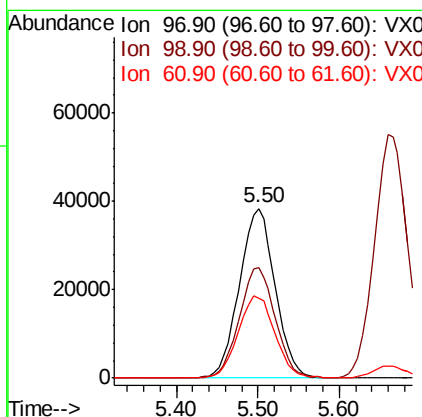
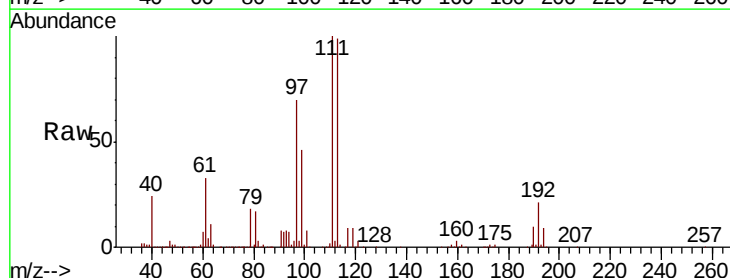
Manual Integrations
APPROVED

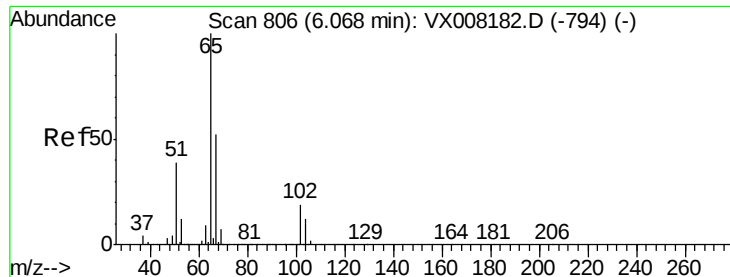
MMDadoda
3/22/2019 2:46:11 PM



#32
1,1,1-Trichloroethane
Concen: 20.366 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.2
61	49.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 48.524 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 65 Resp: 202774

Ion Ratio Lower Upper

65 100

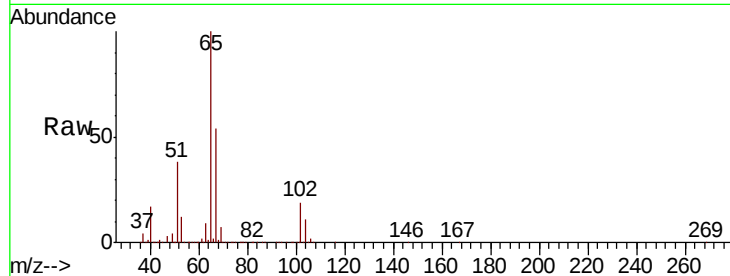
67 53.3 0.0 110.0

Manual Integrations

APPROVED

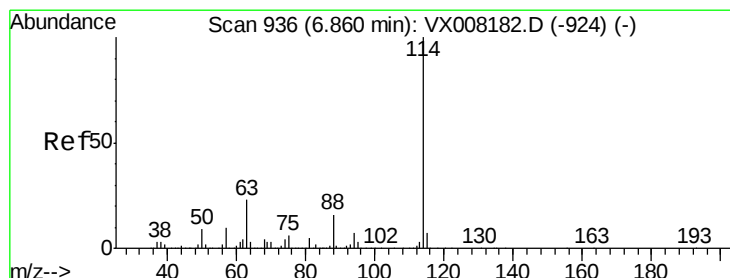
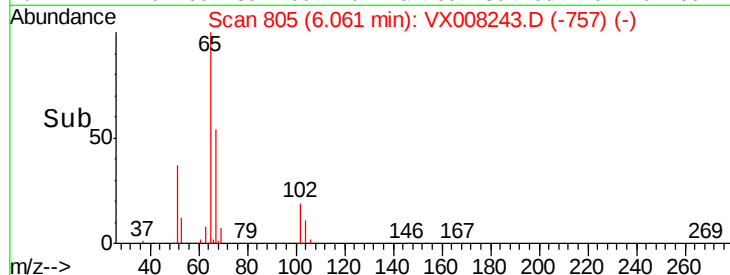
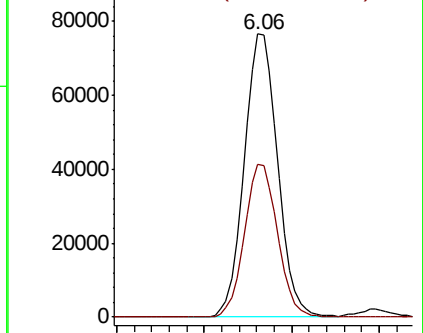
MMDadoda

3/22/2019 2:46:11 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: VX008243.D

Acq: 20 Mar 2019 15:40

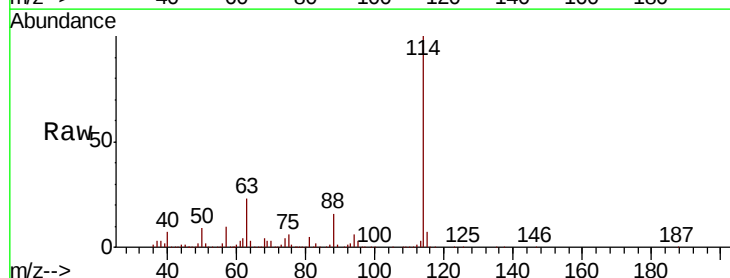
Tgt Ion: 114 Resp: 460774

Ion Ratio Lower Upper

114 100

63 23.4 0.0 39.8

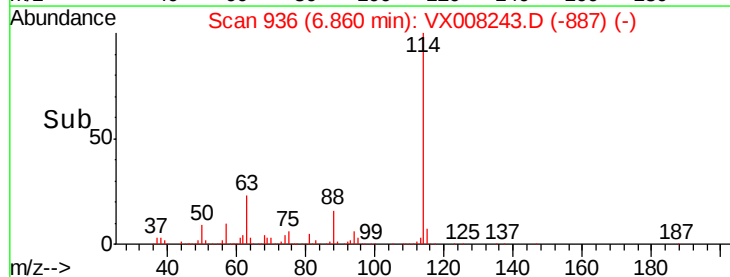
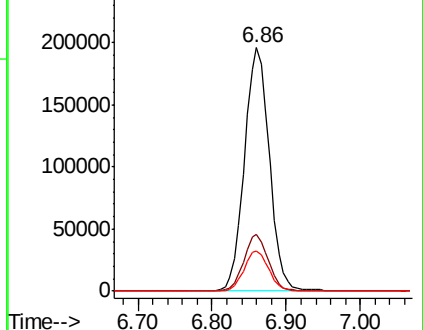
88 16.4 0.0 31.4

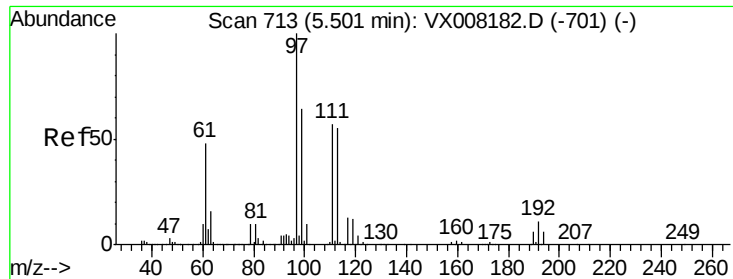


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





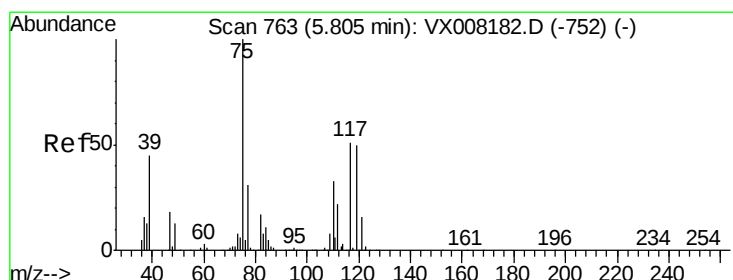
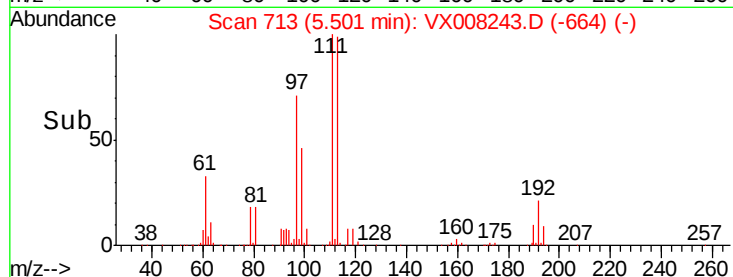
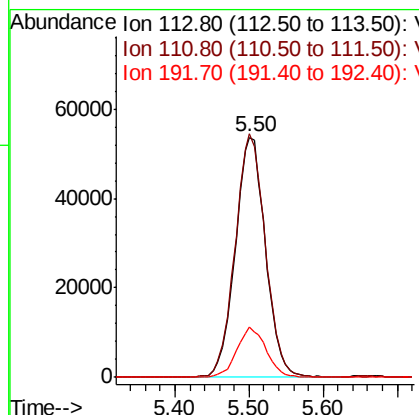
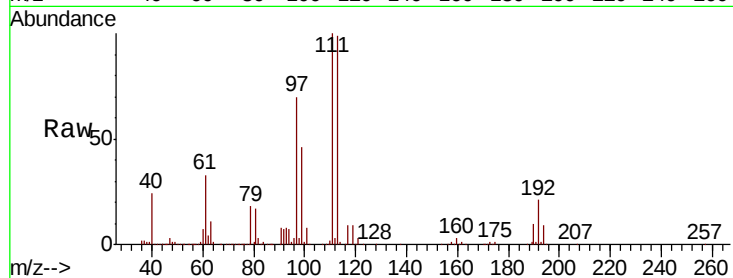
#35
Dibromofluoromethane
Concen: 49.446 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampled :
VX0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152521		
111	101.5	81.4	122.0	
192	20.2	19.4	29.0	

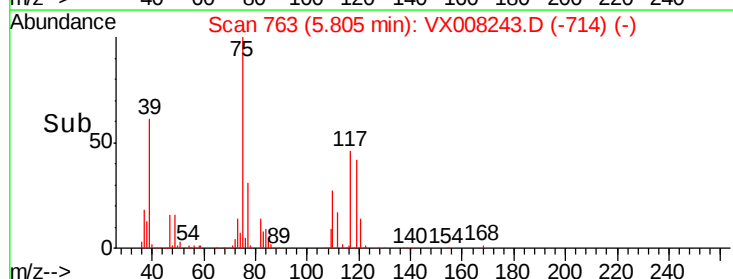
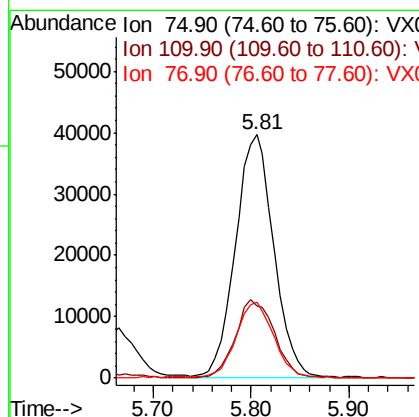
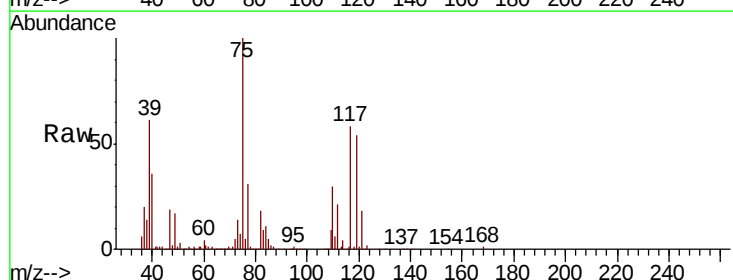
Manual Integrations
APPROVED

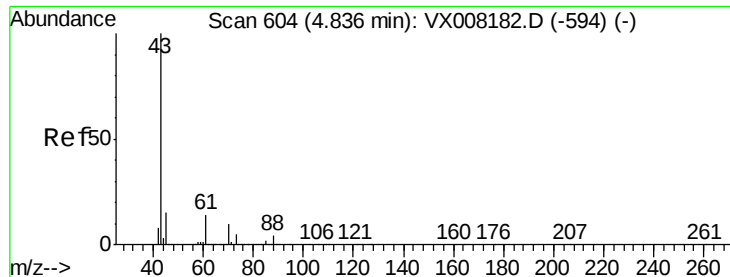
MMDadoda
3/22/2019 2:46:11 PM



#36
1,1-Dichloropropene
Concen: 19.893 ug/l
RT: 5.81 min Scan# 763
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106717		
110	33.3	18.4	55.0	
77	30.8	25.0	37.4	





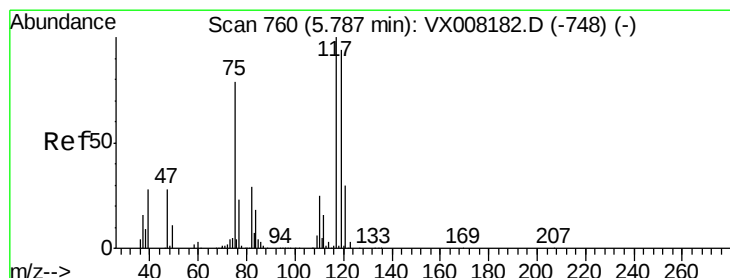
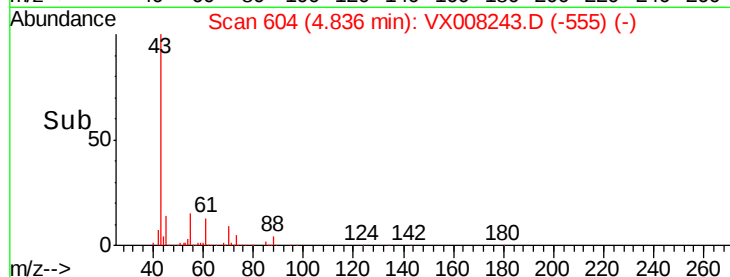
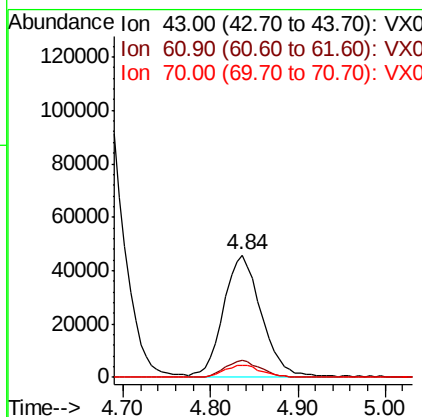
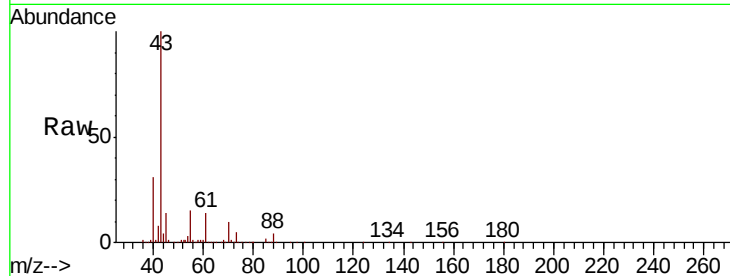
#37
Ethyl Acetate
Concen: 21.323 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	10.1	8.5	12.7

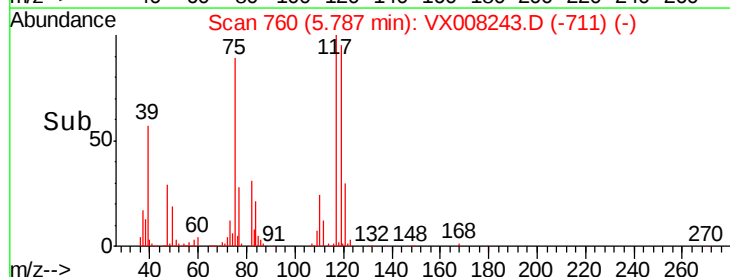
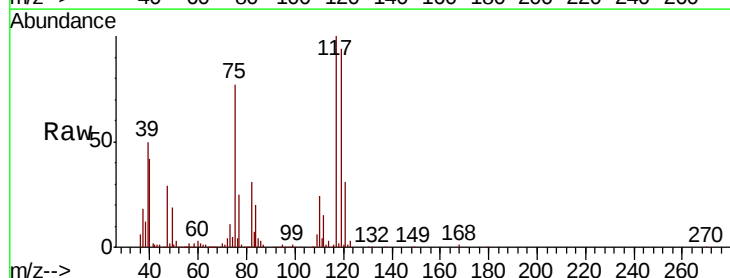
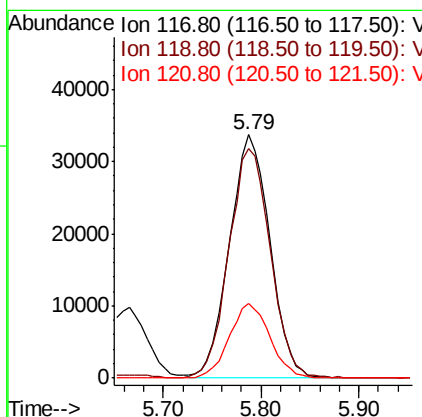
Manual Integrations
APPROVED

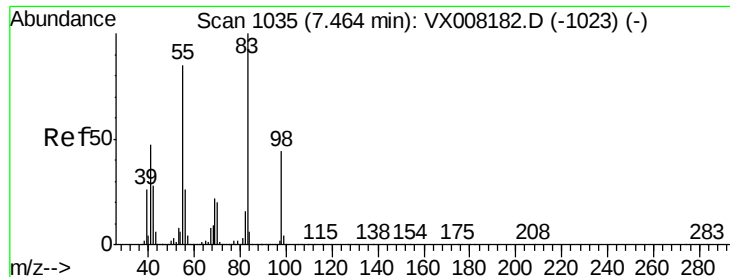
MMDadoda
3/22/2019 2:46:11 PM



#38
Carbon Tetrachloride
Concen: 20.155 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.2	114.2
121	30.8	24.6	36.8





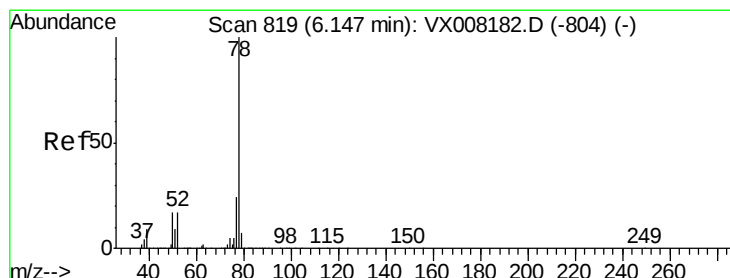
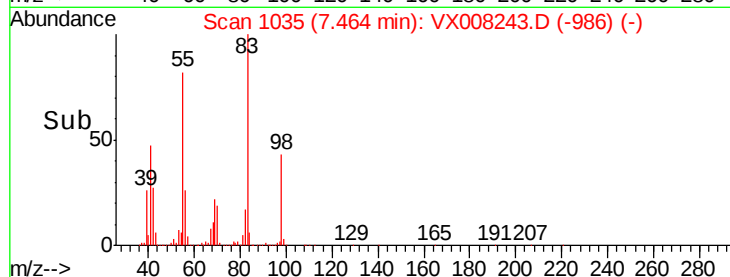
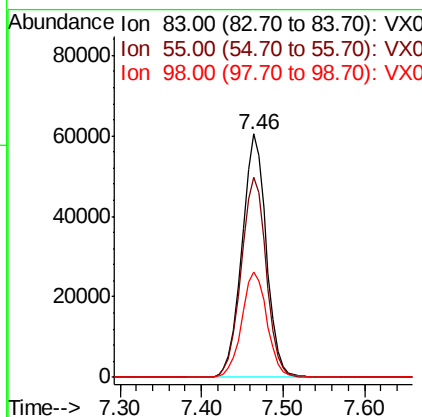
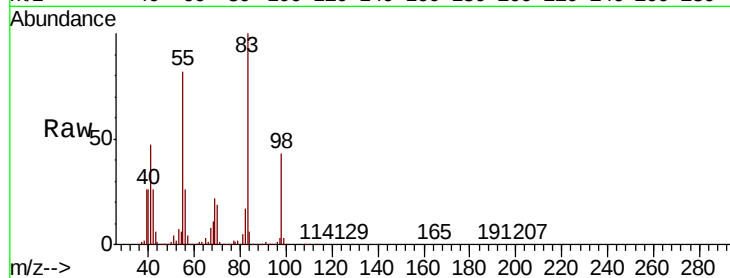
#39
Methvlcvclohexane
Concen: 19.370 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	60.4	90.6
98	43.4	36.5	54.7

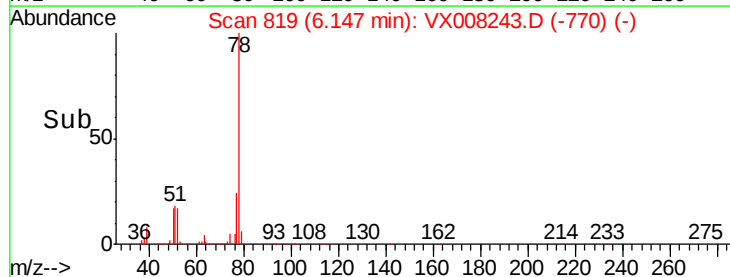
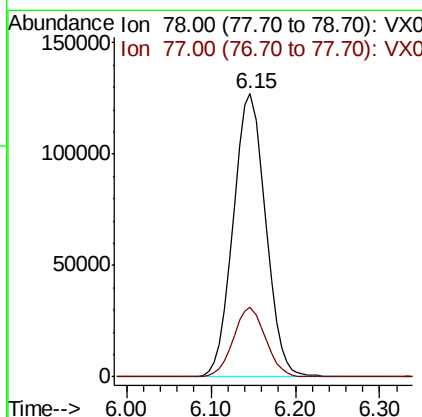
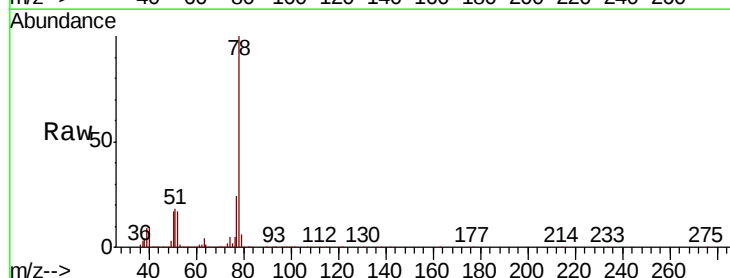
Manual Integrations
APPROVED

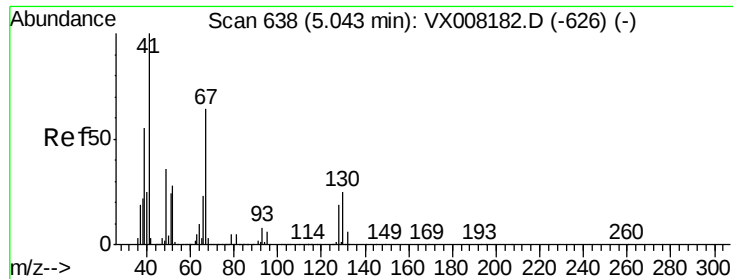
MMDadoda
3/22/2019 2:46:11 PM



#40
Benzene
Concen: 20.877 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





#41

Methacrylonitrile

Concen: 21.366 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 41 Resp: 76001

Ion Ratio Lower Upper

41 100

39 54.8 41.6 62.4

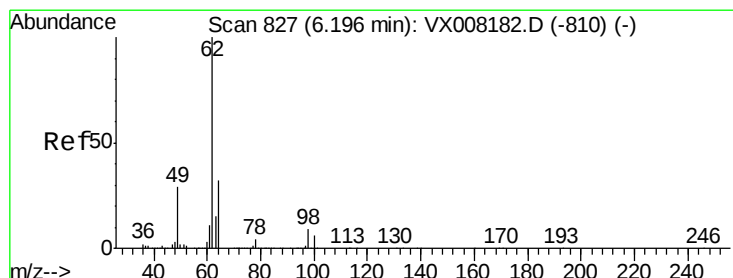
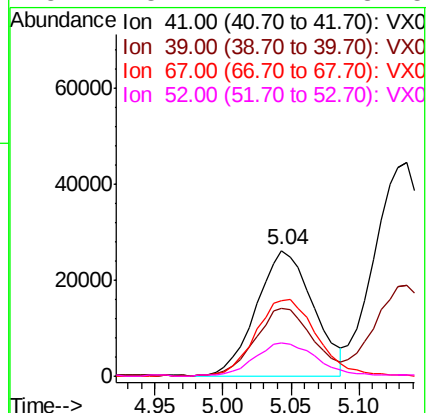
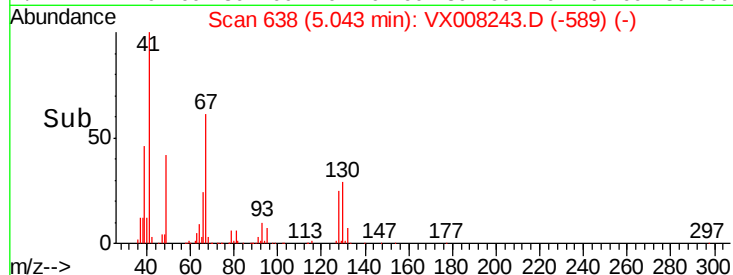
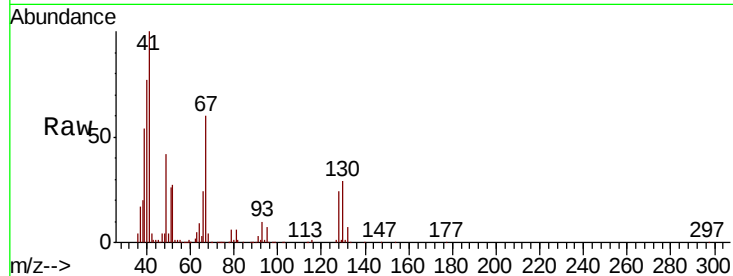
67 66.2 55.8 83.6

52 28.1 21.7 32.5

Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#42

1,2-Dichloroethane

Concen: 20.684 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008243.D

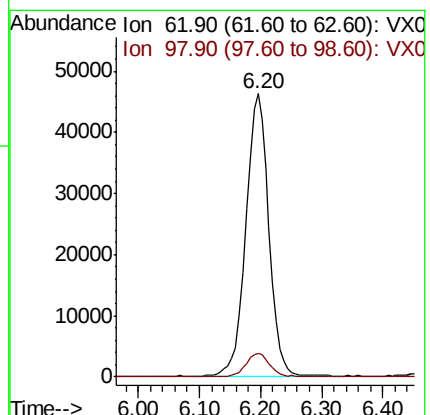
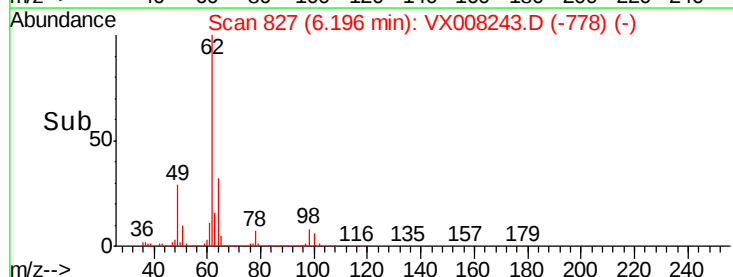
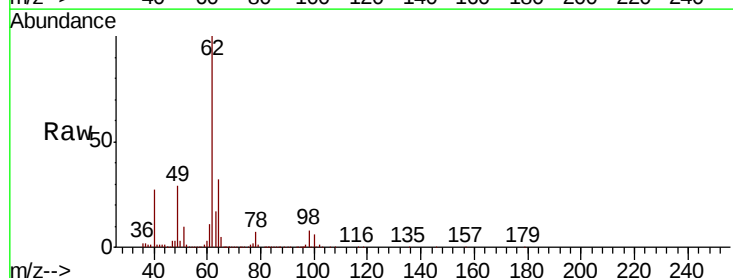
Acq: 20 Mar 2019 15:40

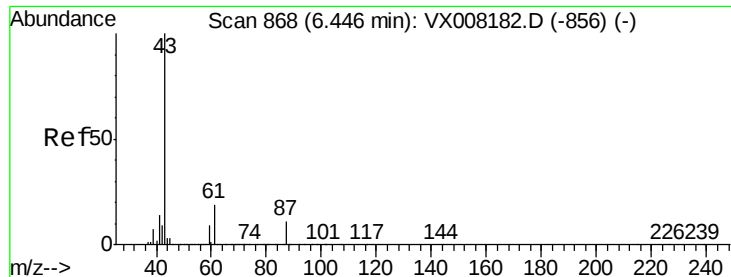
Tgt Ion: 62 Resp: 120314

Ion Ratio Lower Upper

62 100

98 8.7 0.0 20.4





#43

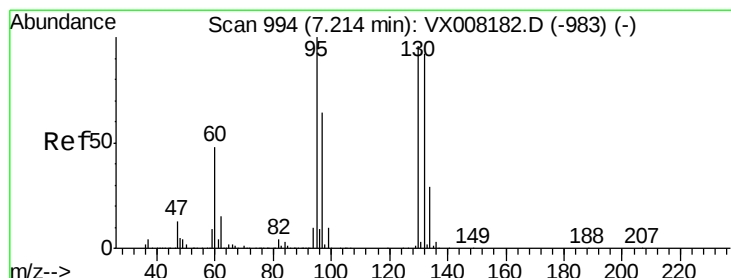
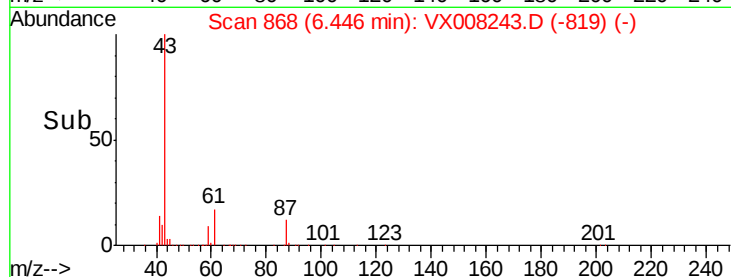
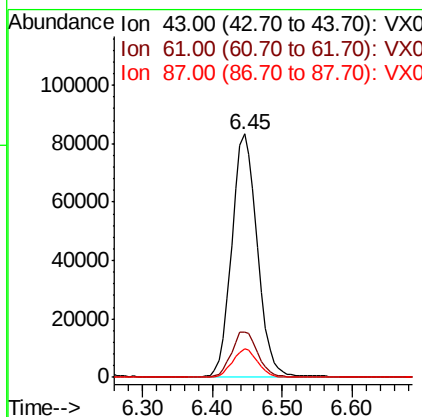
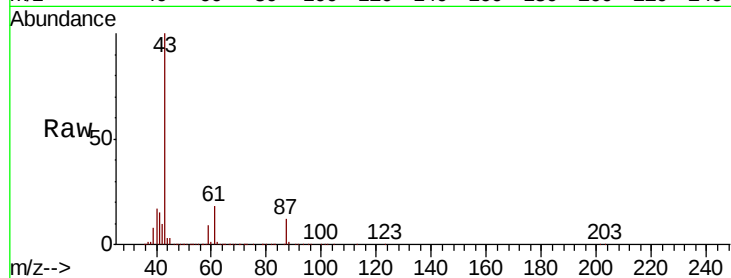
Isopropyl Acetate
 Concen: 20.687 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.3	24.5
87	11.8	10.5	15.7

Manual Integrations
 APPROVED

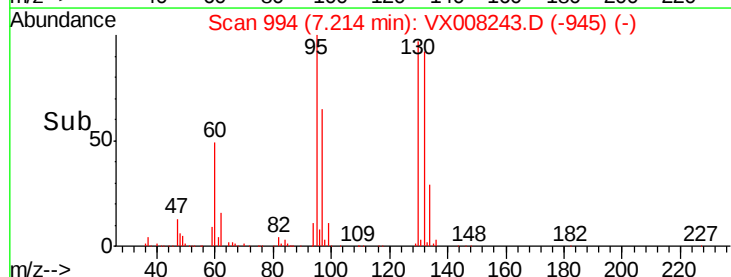
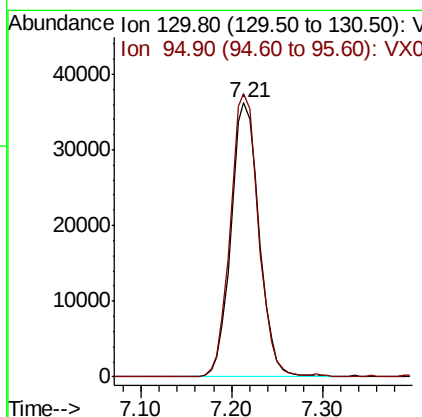
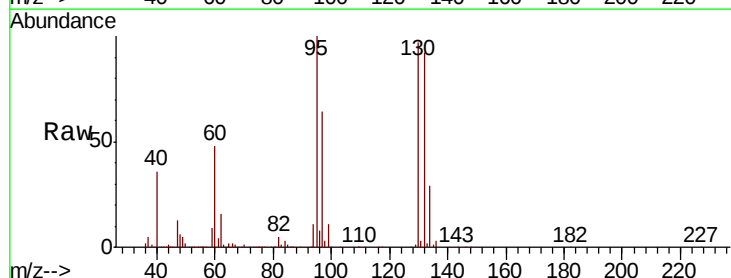
MMDadoda
 3/22/2019 2:46:11 PM

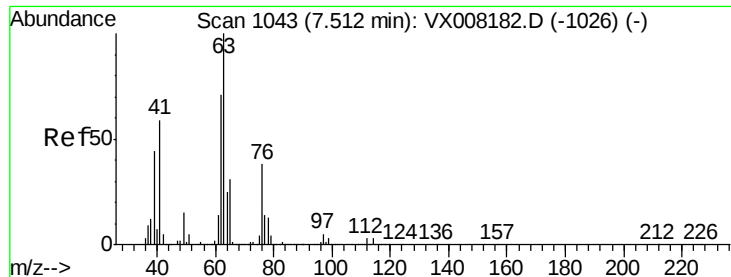


#44

Trichloroethene
 Concen: 20.282 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.760 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 63 Resp: 92275

Ion Ratio Lower Upper

63 100

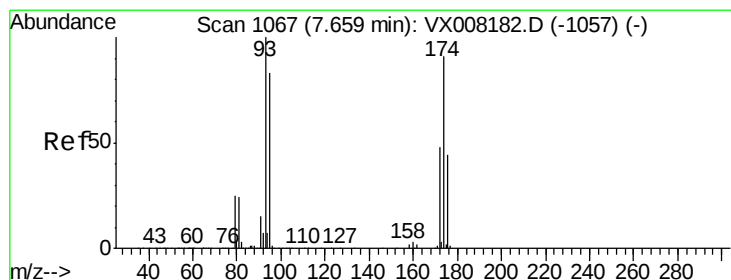
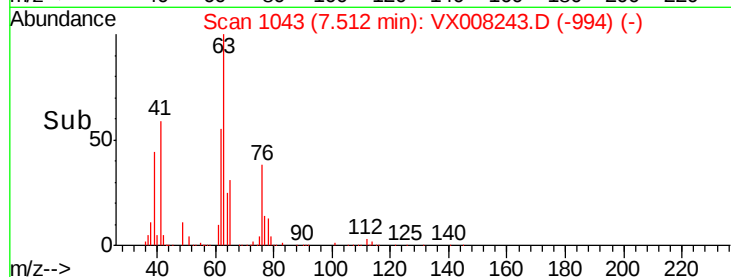
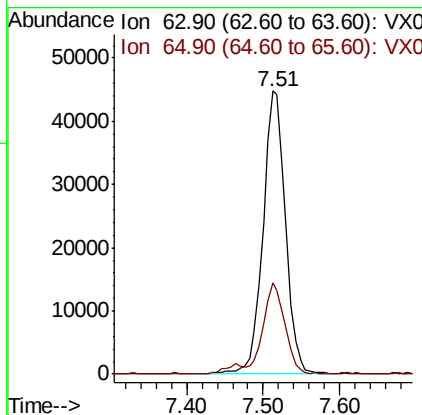
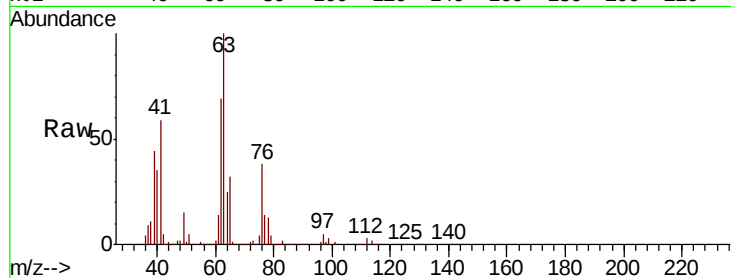
65 32.1 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#46

Dibromomethane

Concen: 20.561 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

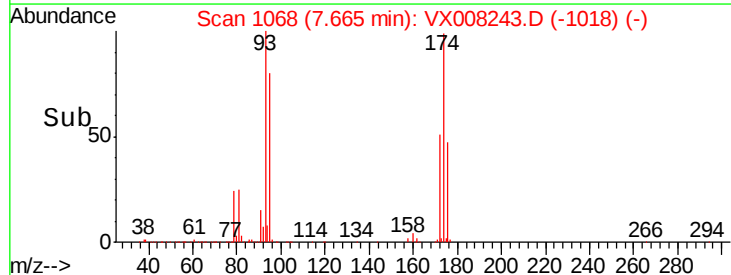
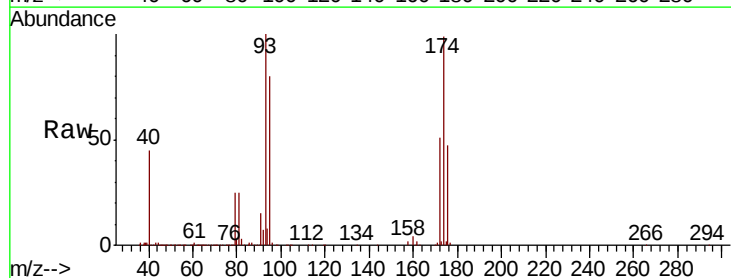
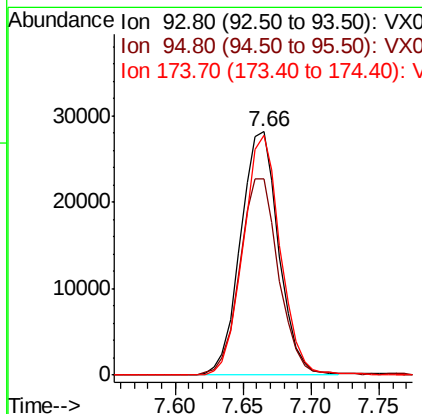
Tgt Ion: 93 Resp: 55334

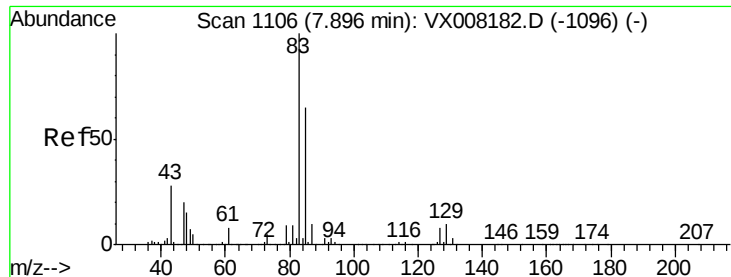
Ion Ratio Lower Upper

93 100

95 82.3 66.8 100.2

174 96.4 97.3 145.9#





#47

Bromodichloromethane

Concen: 20.688 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

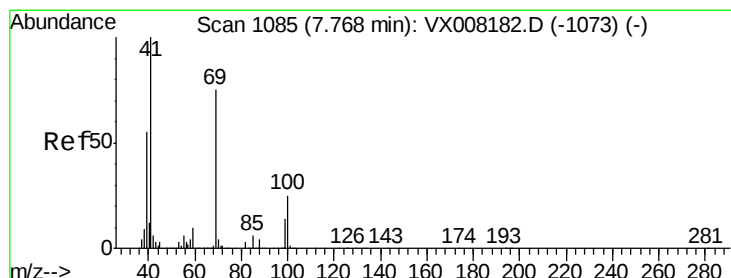
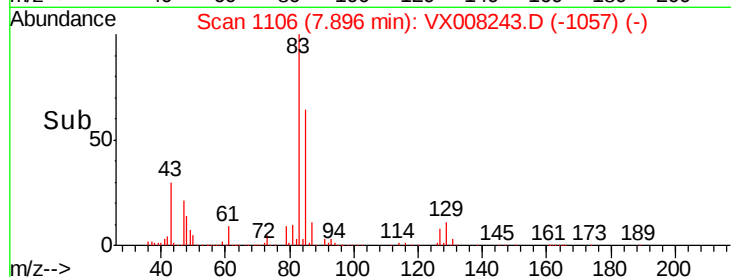
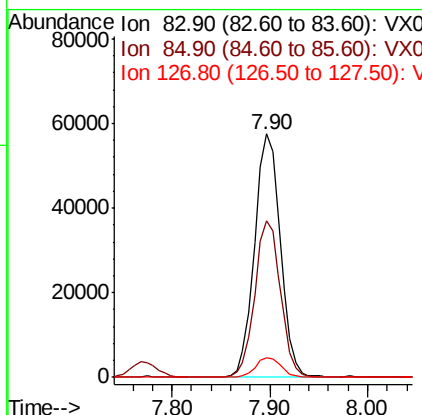
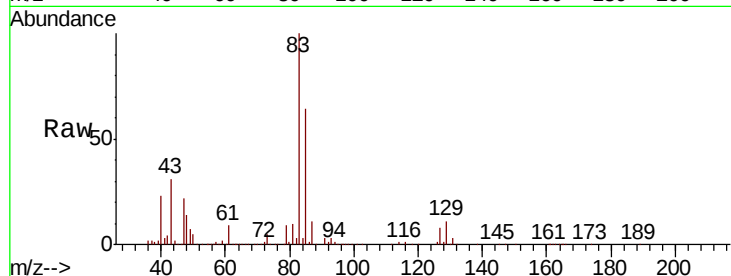
ClientSampleId :

VX0320WBSD01

Tot Ion:	83	Resp:	106108
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	8.3	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#48

Methyl methacrylate

Concen: 20.505 ug/l

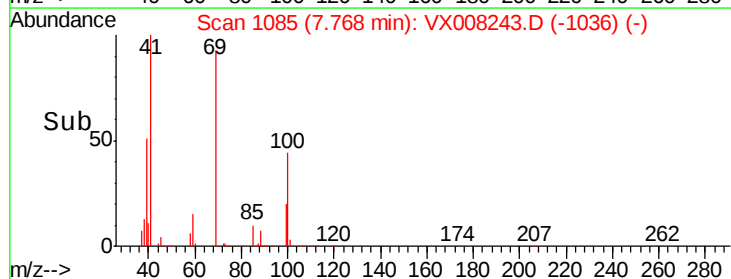
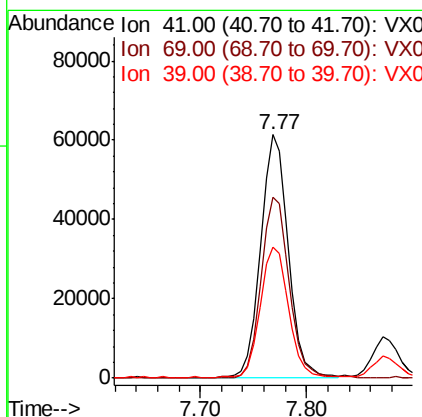
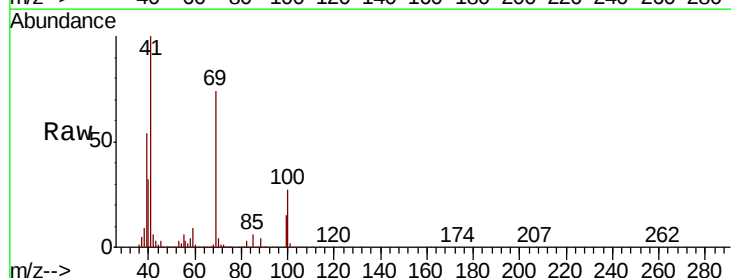
RT: 7.77 min Scan# 1085

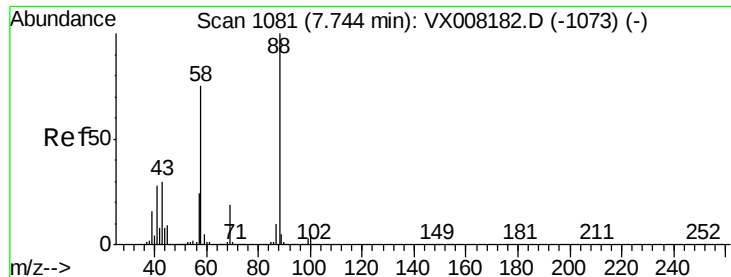
Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	41	Resp:	110827
Ion	Ratio	Lower	Upper
41	100		
69	76.7	65.2	97.8
39	55.1	39.4	59.2





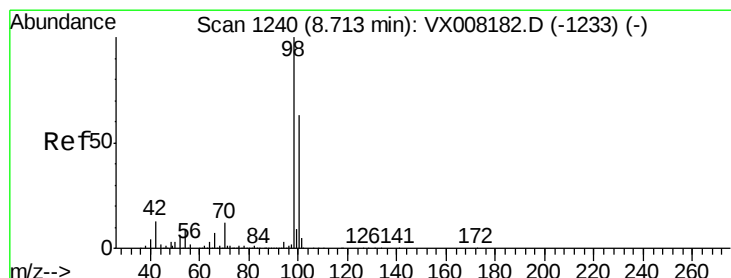
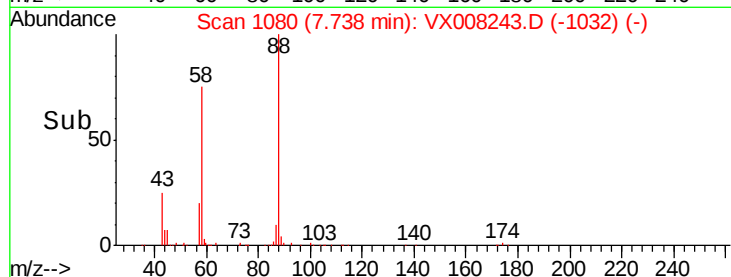
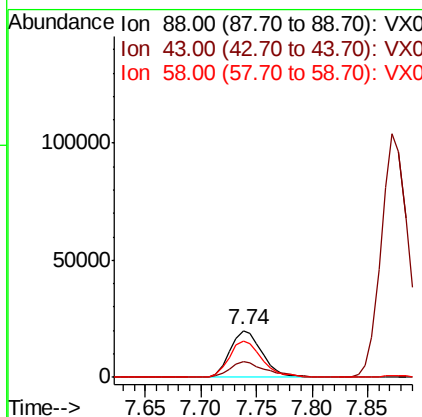
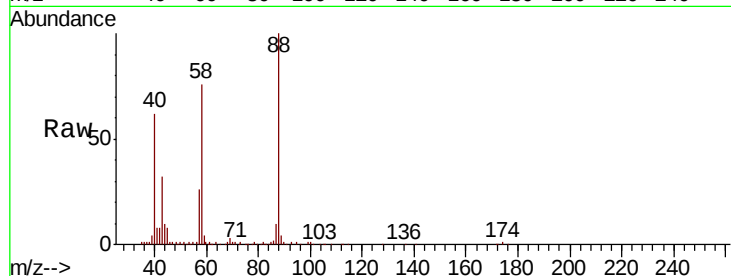
#49
1,4-Dioxane
Concen: 412.892 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	25.1	37.7#
58	80.2	57.8	86.6

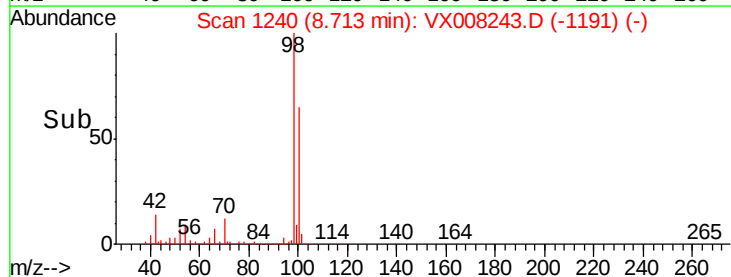
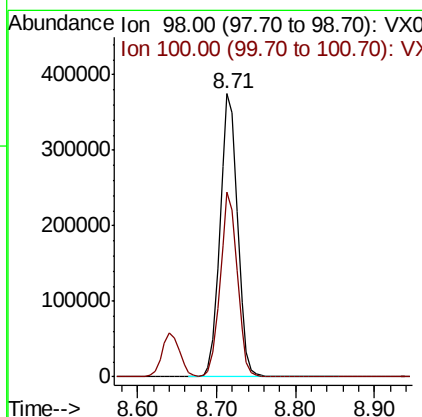
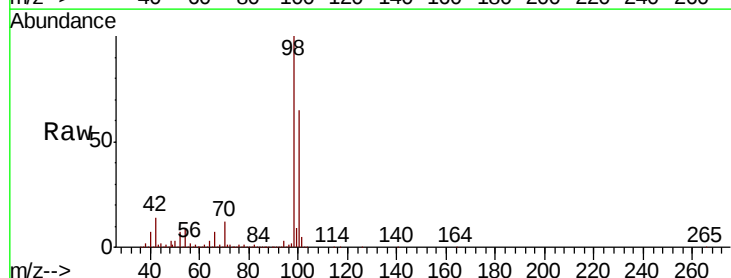
Manual Integrations
APPROVED

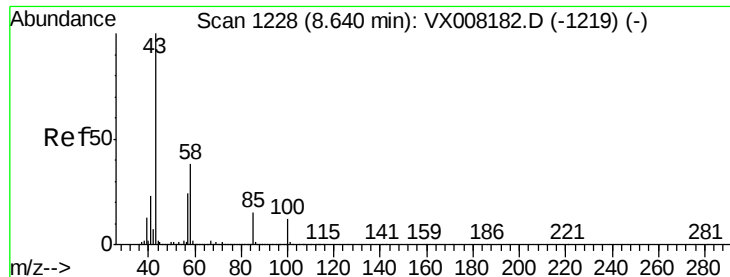
MMDadoda
3/22/2019 2:46:11 PM



#50
Toluene-d8
Concen: 49.467 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





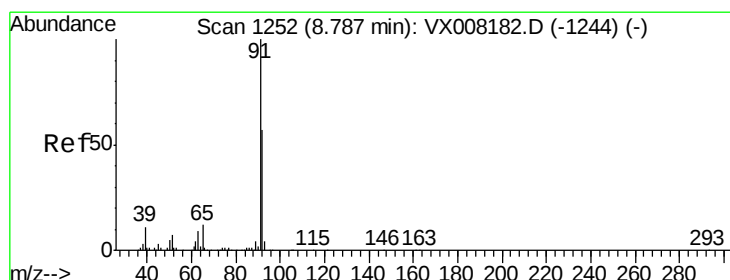
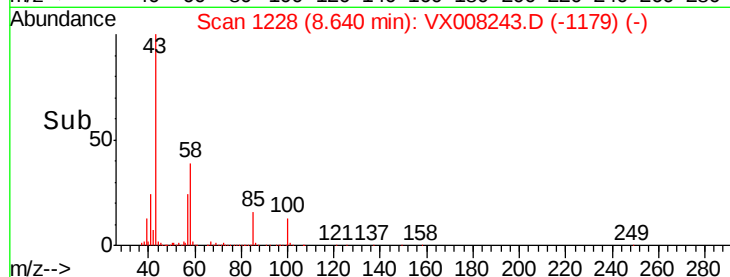
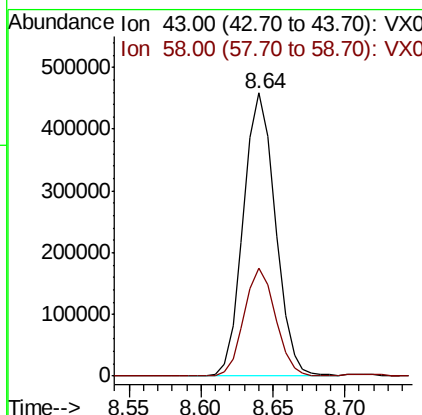
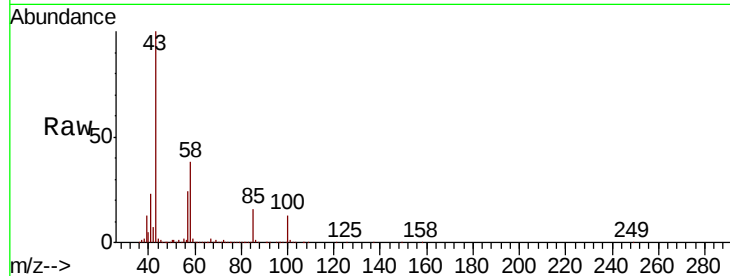
#51
4-Methyl-2-Pentanone
Concen: 107.614 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	31.3	46.9

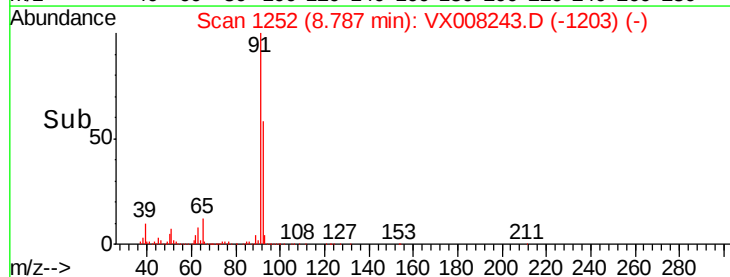
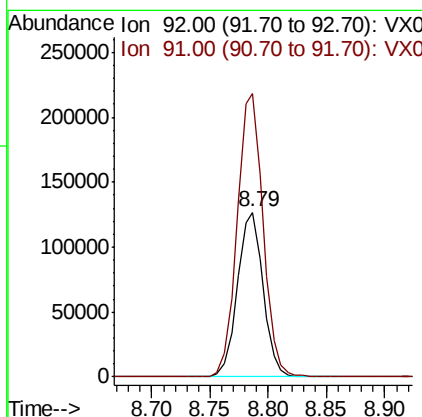
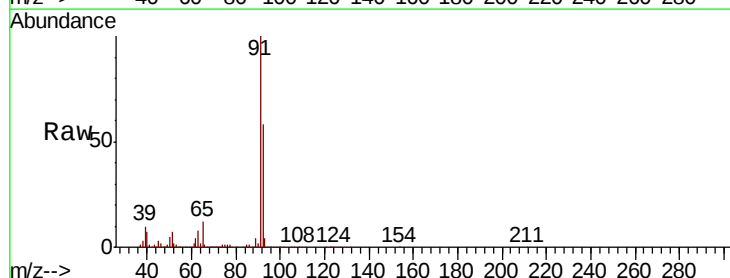
Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#52
Toluene
Concen: 20.671 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.4	206.0





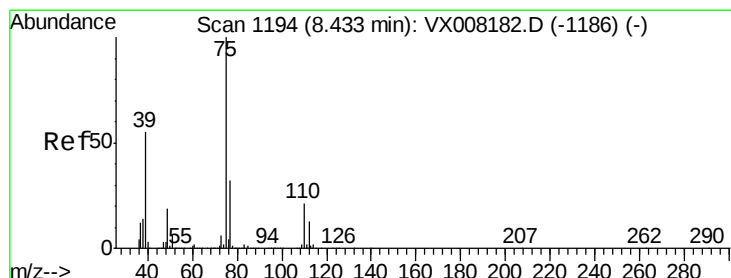
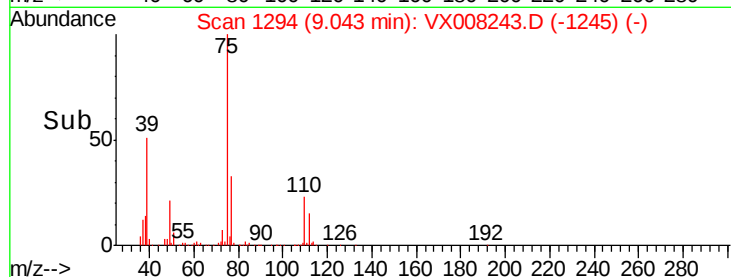
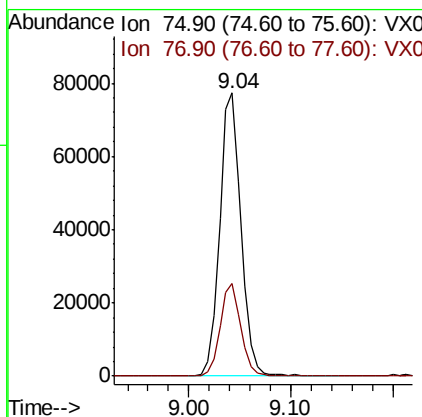
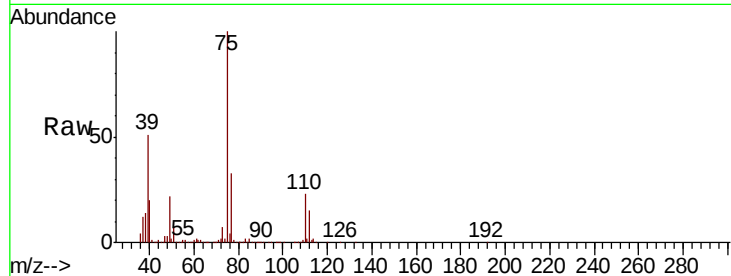
#53
t-1,3-Dichloropropene
Concen: 18.444 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0

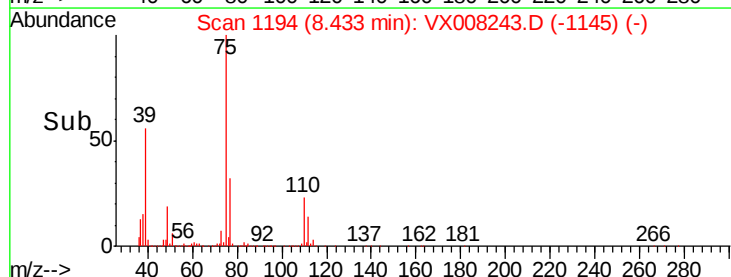
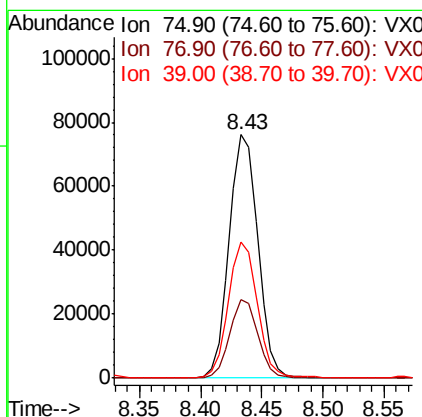
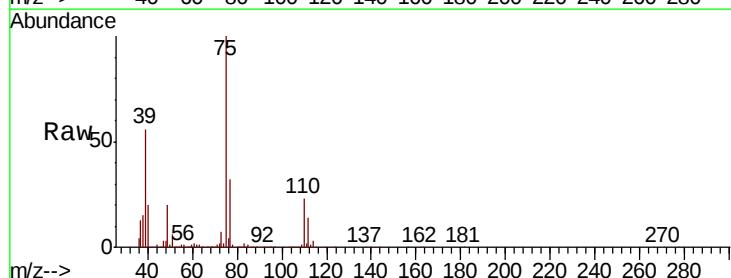
Manual Integrations
APPROVED

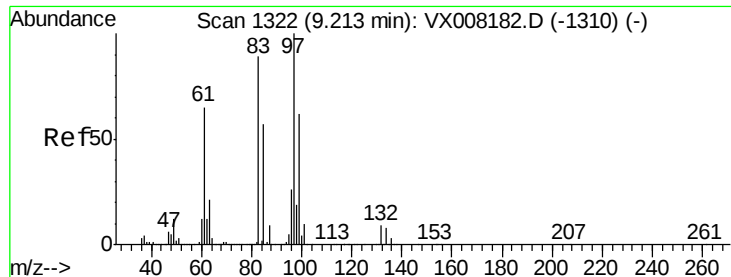
MMDadoda
3/22/2019 2:46:11 PM



#54
cis-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6
39	55.7	36.6	54.8#





#55

1,1,2-Trichloroethane

Concen: 21.085 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

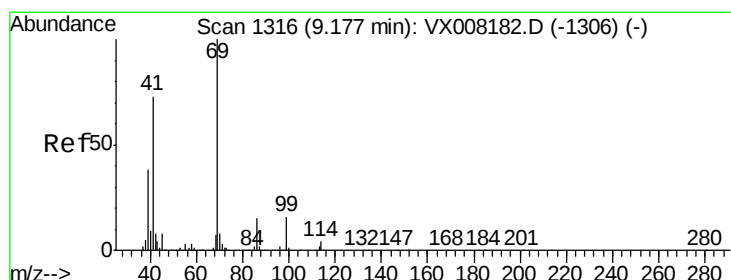
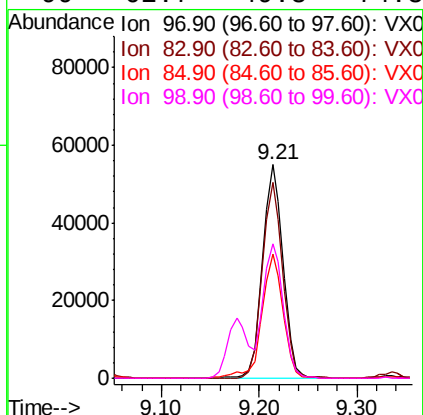
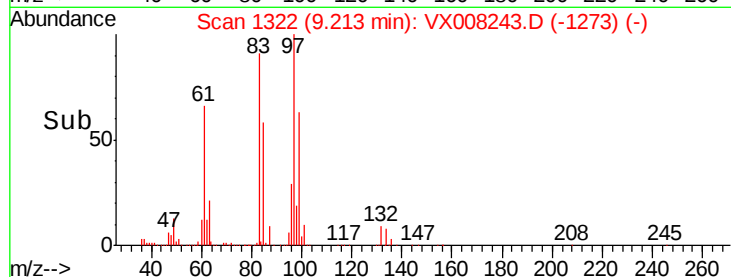
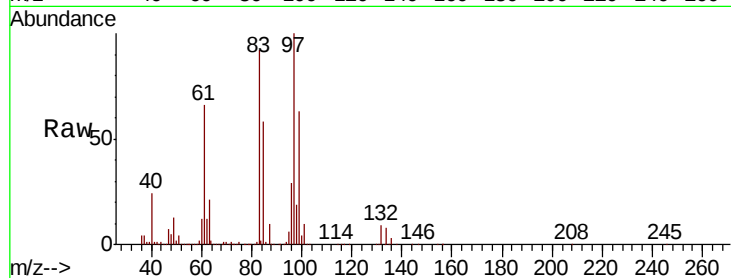
ClientSampleId :

VX0320WBSD01

Tot Ion:	97	Resp:	80250
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.1	103.7
85	58.1	44.3	66.5
99	62.7	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#56

Ethyl methacrylate

Concen: 19.883 ug/l

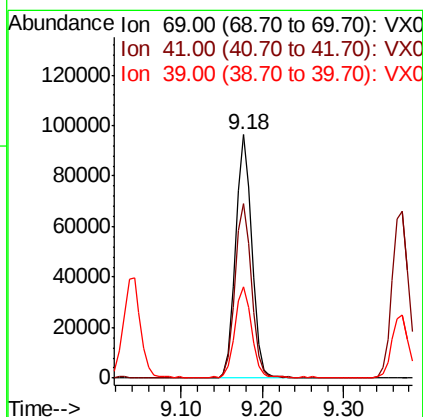
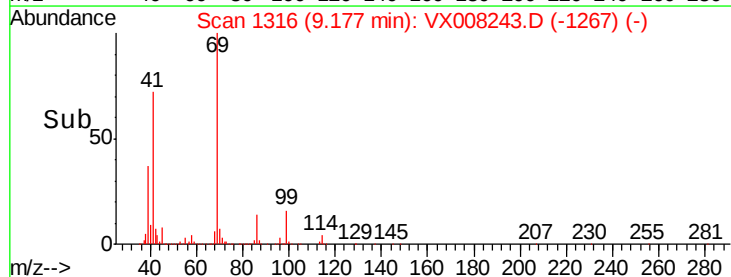
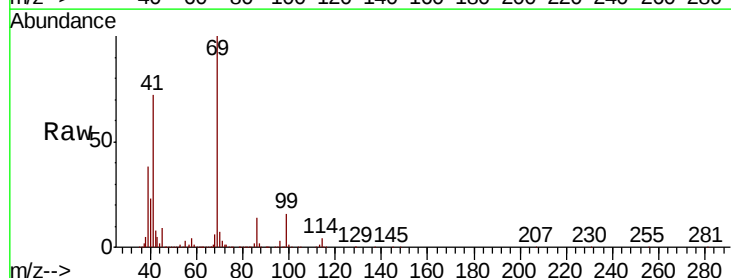
RT: 9.18 min Scan# 1316

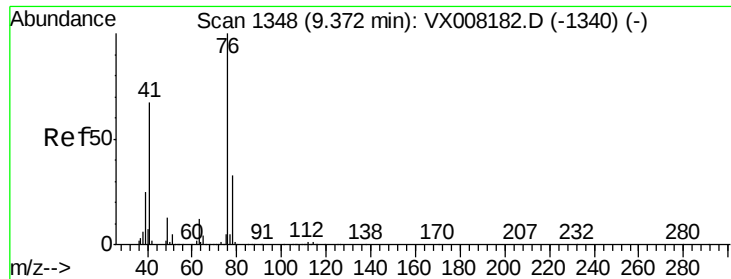
Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	69	Resp:	130597
Ion	Ratio	Lower	Upper
69	100		
41	72.3	54.2	81.4
39	38.2	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 21.235 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 76 Resp: 142967

Ion Ratio Lower Upper

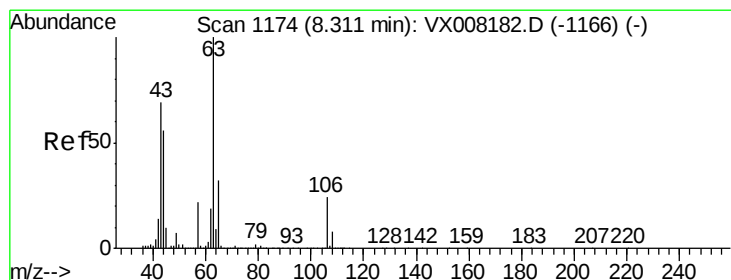
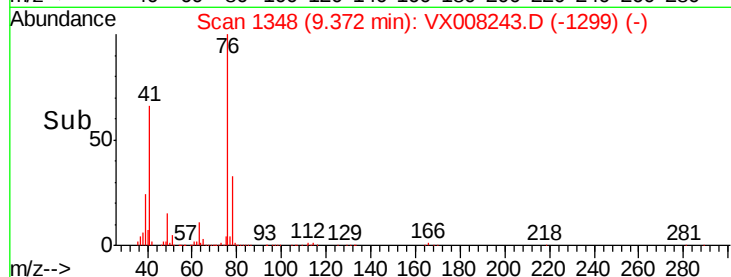
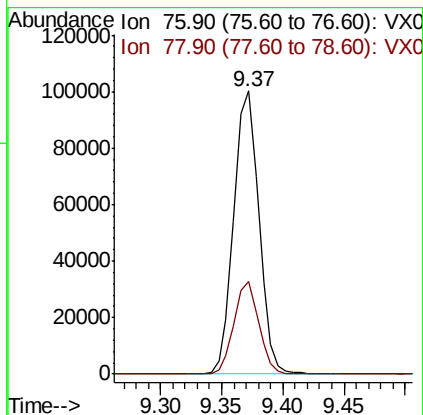
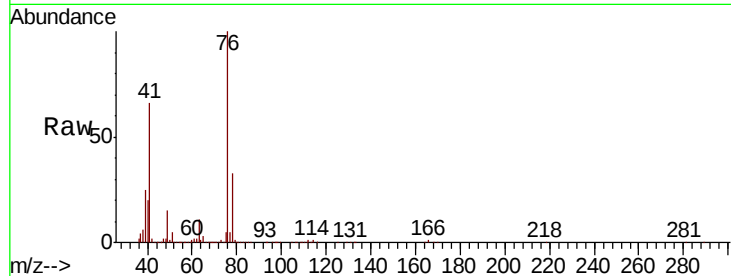
76 100

78 32.4 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.801 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008243.D

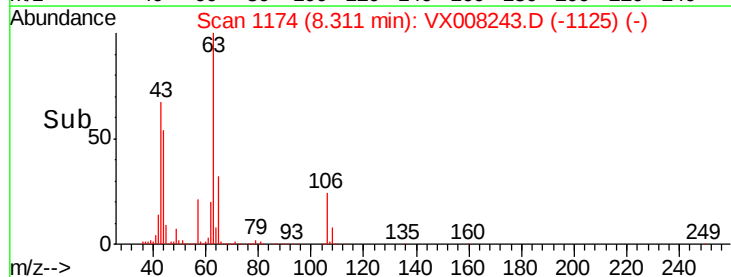
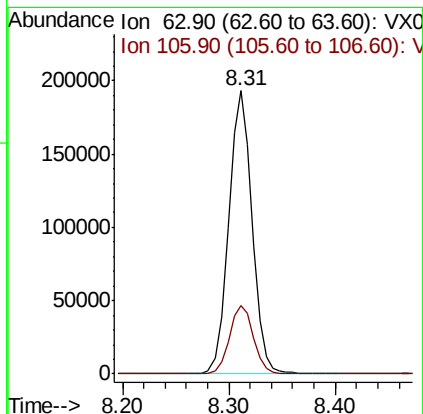
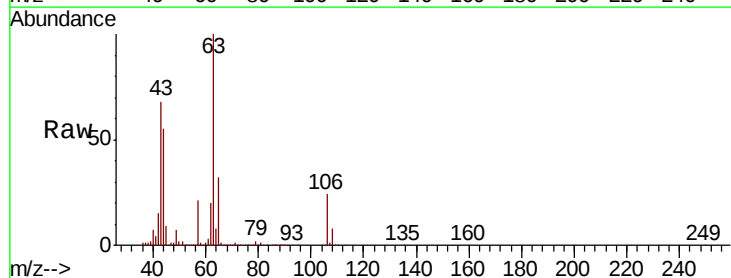
Acq: 20 Mar 2019 15:40

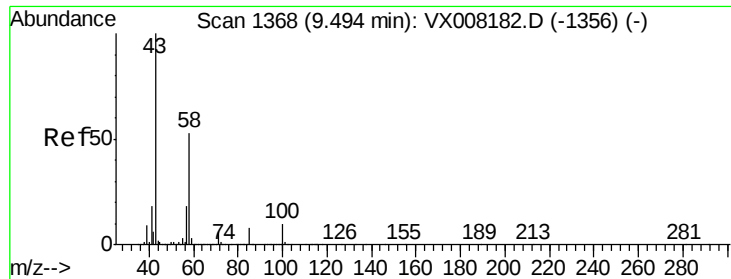
Tgt Ion: 63 Resp: 295620

Ion Ratio Lower Upper

63 100

106 24.8 22.2 33.2





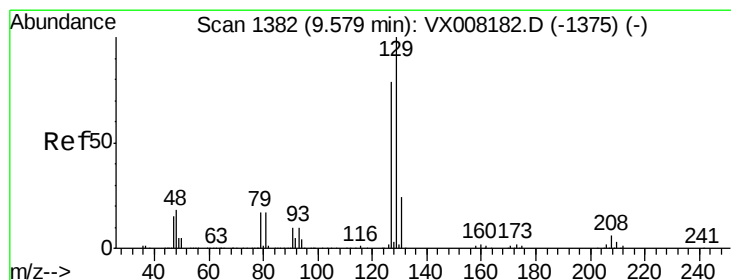
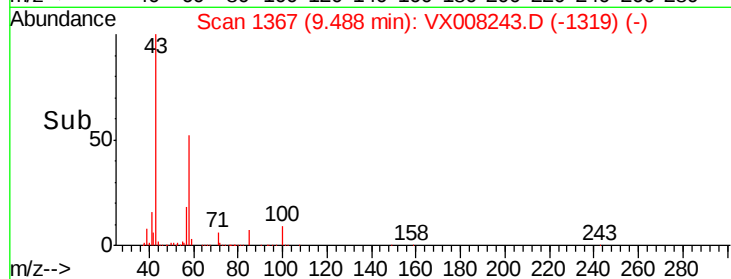
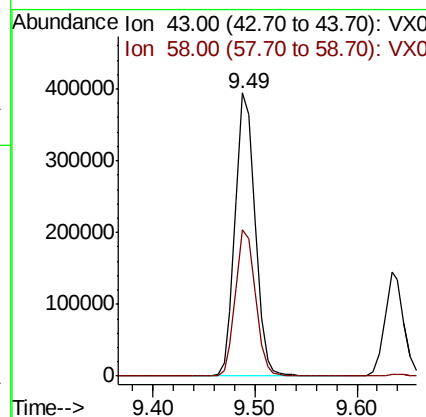
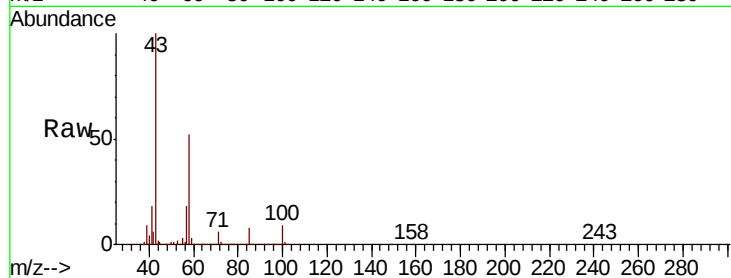
#59
2-Hexanone
Concen: 104.961 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion: 43 Resp: 531021
Ion Ratio Lower Upper
43 100
58 51.9 27.6 82.7

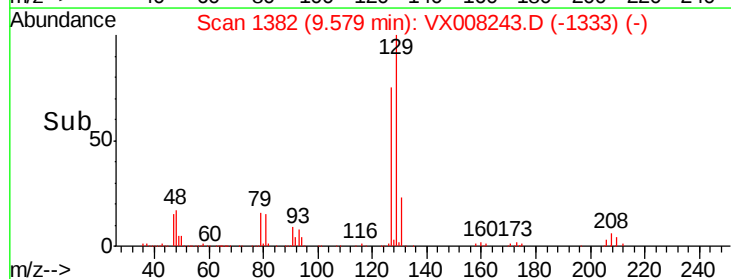
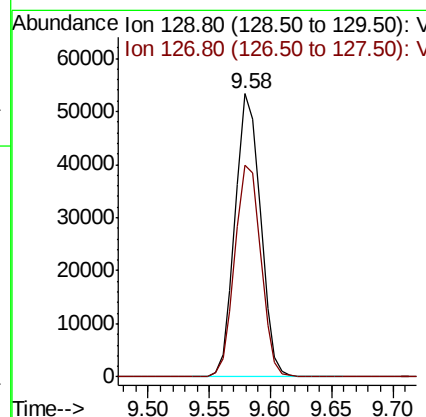
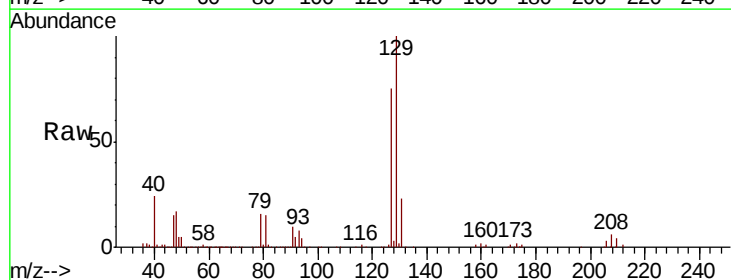
Manual Integrations
APPROVED

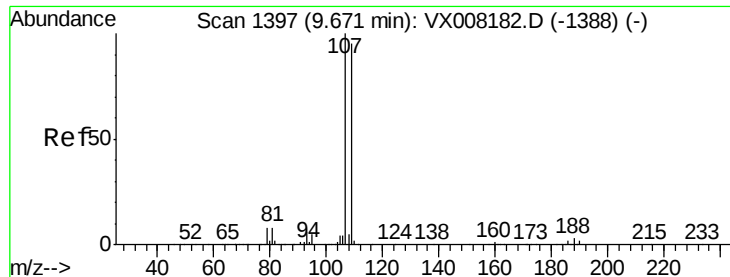
MMDadoda
3/22/2019 2:46:11 PM



#60
Dibromochloromethane
Concen: 20.941 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 129 Resp: 76596
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.907 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:107 Resp: 83086

Ion Ratio Lower Upper

107 100

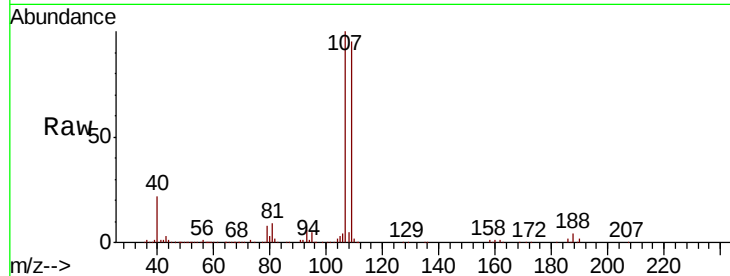
109 94.7 75.8 113.8

Manual Integrations

APPROVED

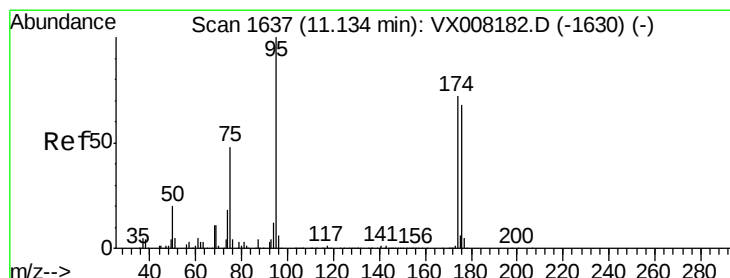
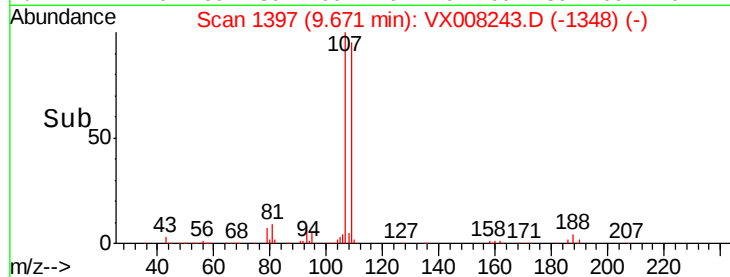
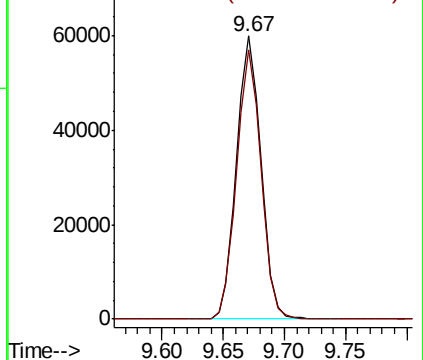
MMDadoda

3/22/2019 2:46:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

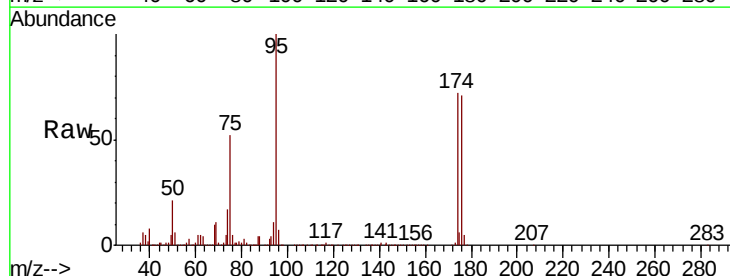
Tgt Ion: 95 Resp: 201472

Ion Ratio Lower Upper

95 100

174 78.9 0.0 182.8

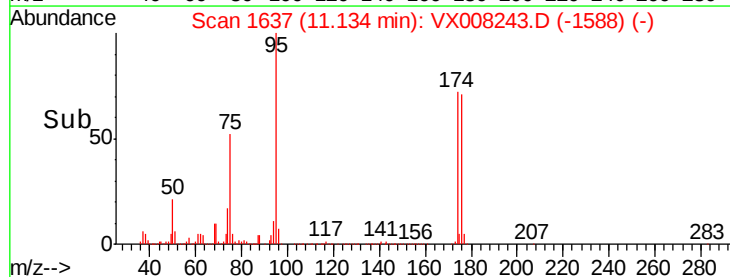
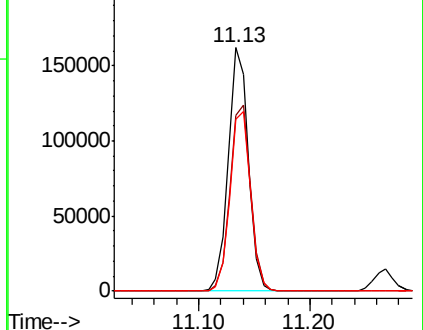
176 76.3 0.0 178.0

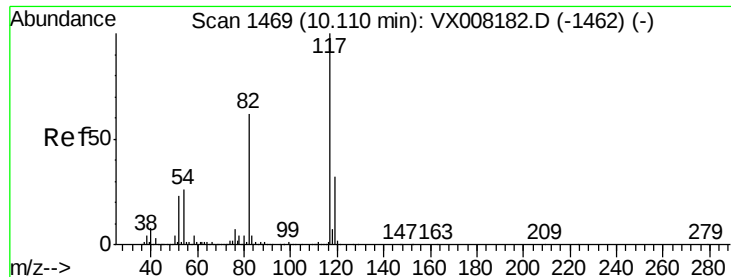


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





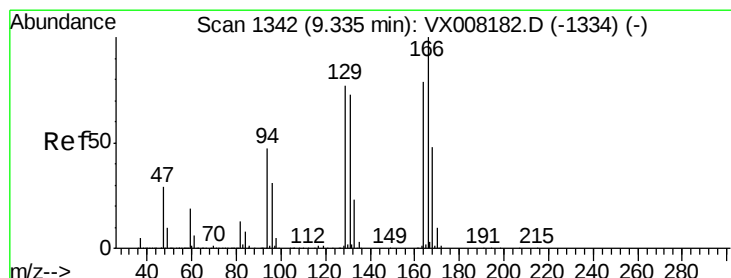
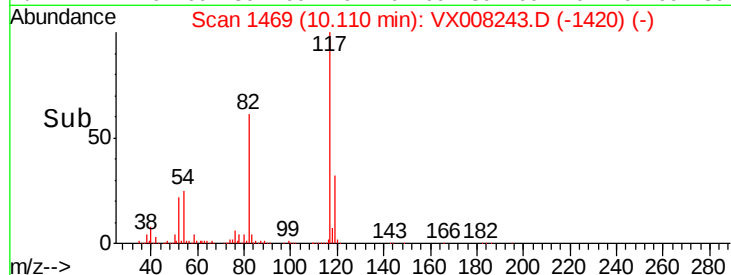
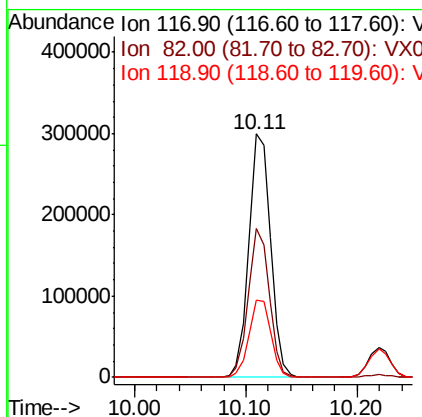
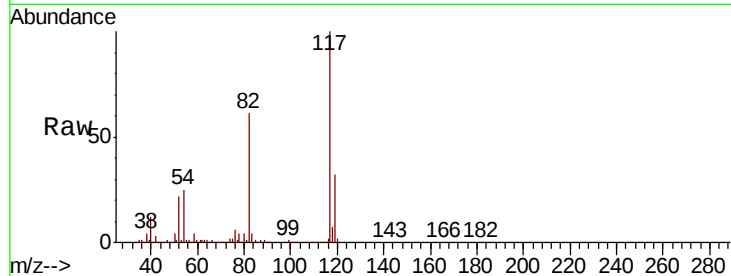
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	61.1	44.3	66.5
119	31.6	25.3	37.9

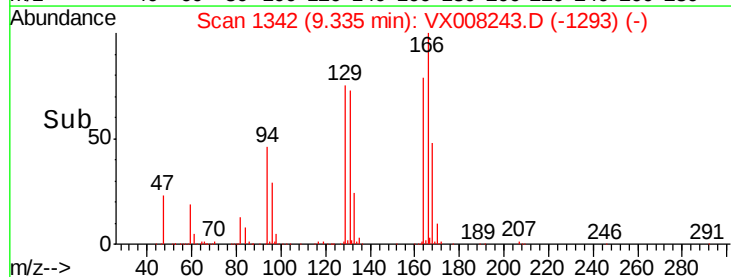
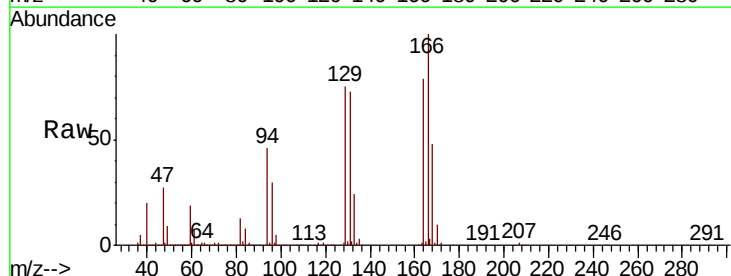
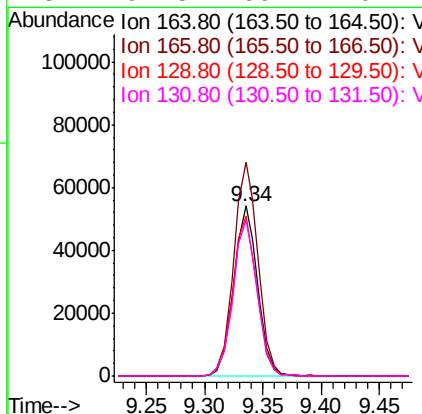
Manual Integrations
APPROVED

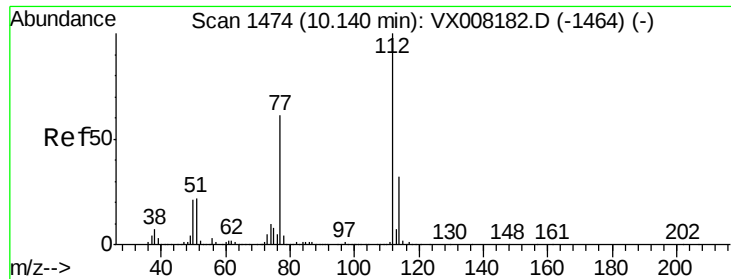
MMDadoda
3/22/2019 2:46:11 PM



#64
Tetrachloroethene
Concen: 21.004 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	125.8	103.4	155.0
129	94.0	72.2	108.4
131	91.8	69.4	104.2





#65

Chlorobenzene

Concen: 20.268 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:112 Resp: 203553

Ion Ratio Lower Upper

112 100

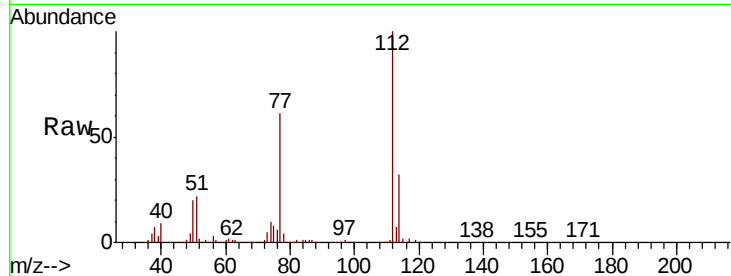
114 31.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:46:11 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

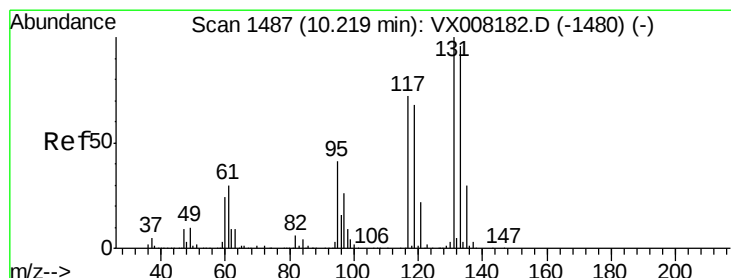
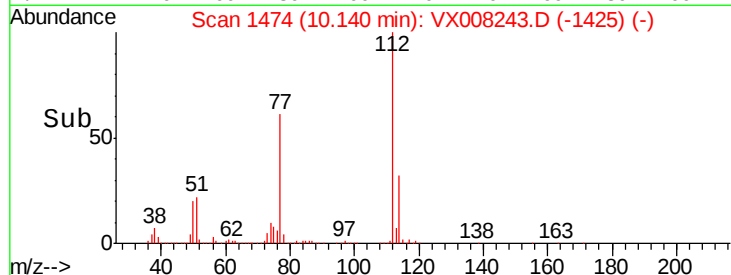
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.645 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

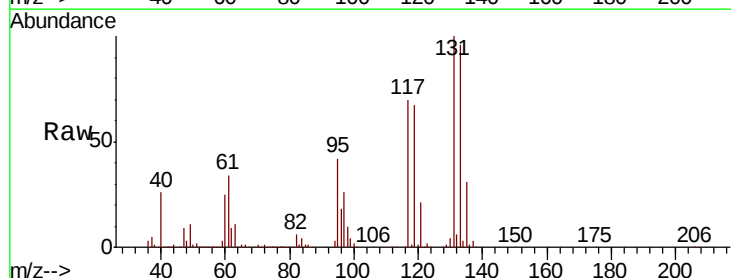
Tgt Ion:131 Resp: 72291

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 66.4 32.5 97.5



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

10.22

120000

100000

80000

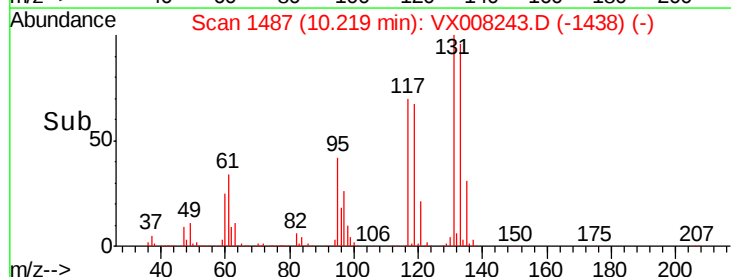
60000

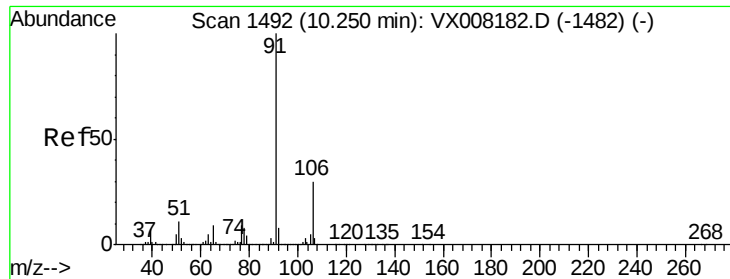
40000

20000

0

Time-->





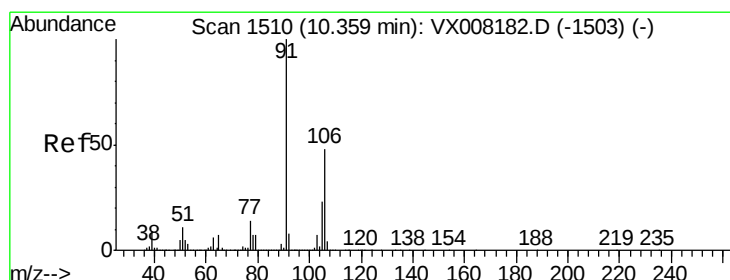
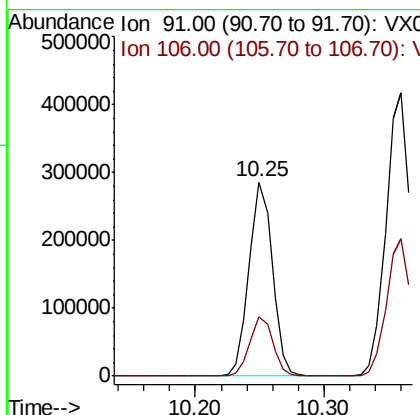
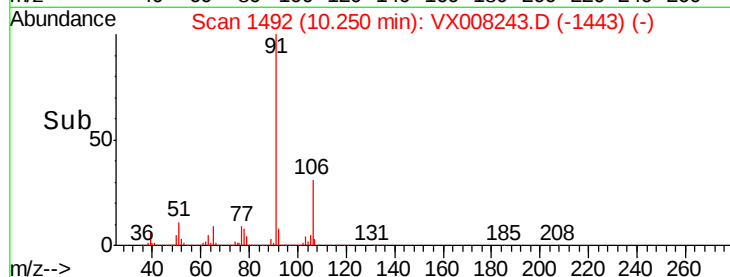
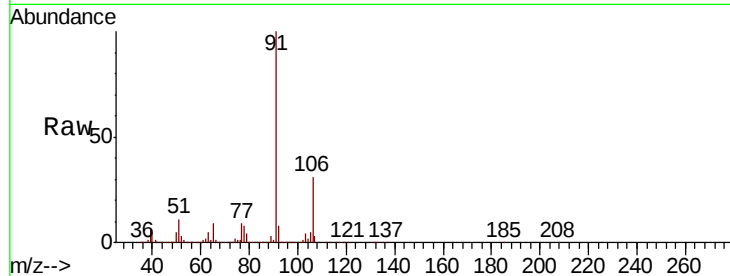
#67
Ethyl Benzene
Concen: 20.323 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion: 91 Resp: 359692
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8

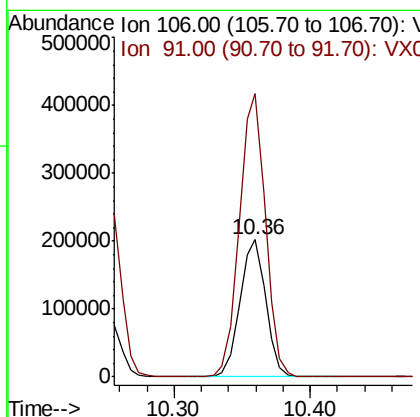
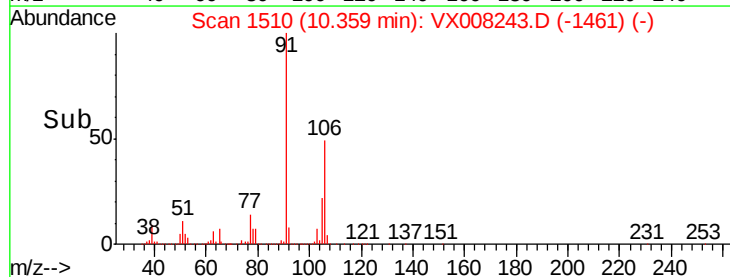
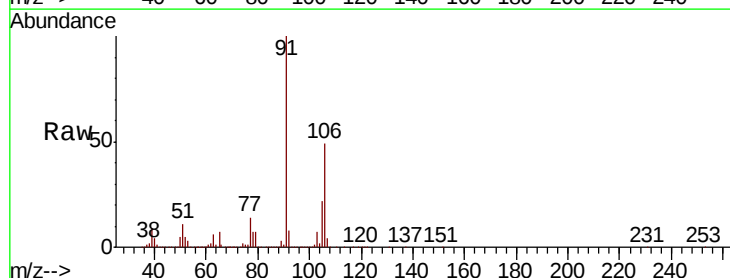
Manual Integrations
APPROVED

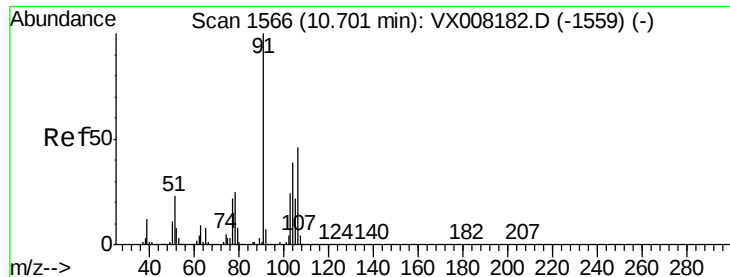
MMDadoda
3/22/2019 2:46:11 PM



#68
m/p-Xylenes
Concen: 40.958 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion: 106 Resp: 266283
Ion Ratio Lower Upper
106 100
91 208.5 159.8 239.6





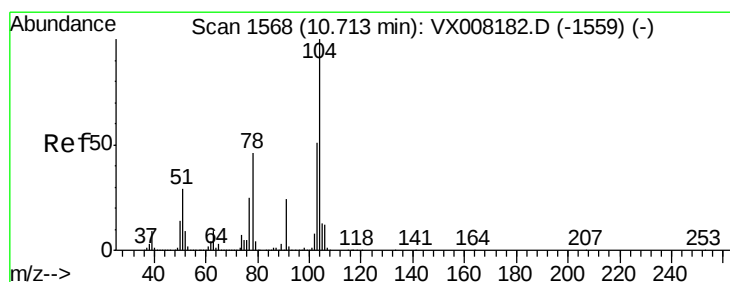
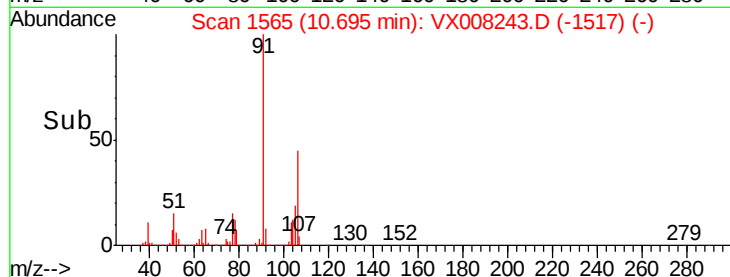
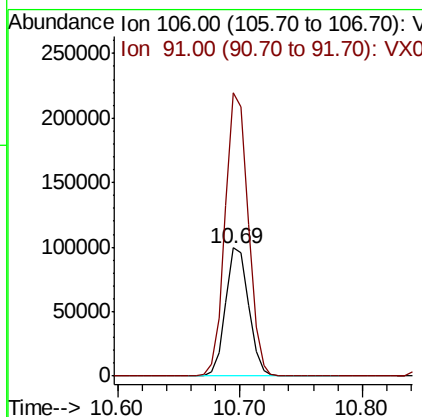
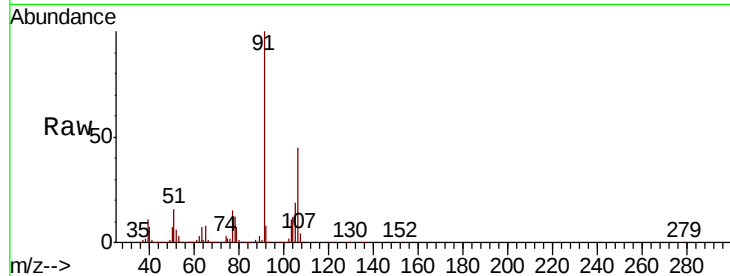
#69
o-Xylene
Concen: 20.625 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.9	106.3	318.9

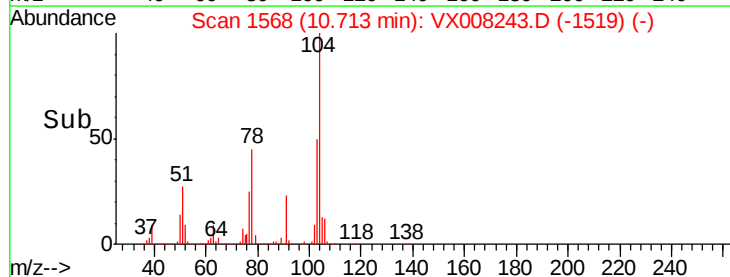
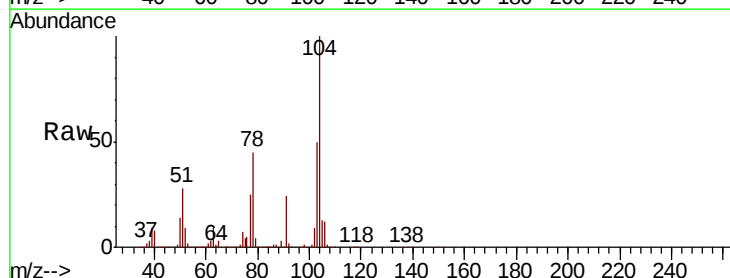
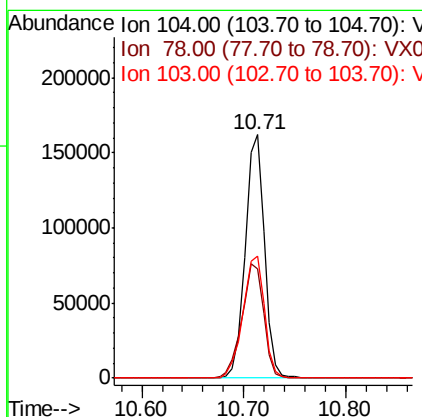
Manual Integrations
APPROVED

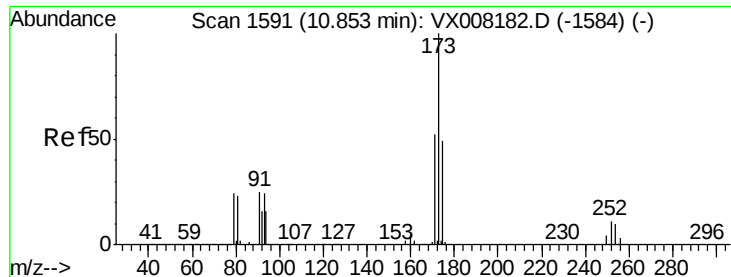
MMDadoda
3/22/2019 2:46:11 PM



#70
Styrene
Concen: 20.561 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	38.5	57.7
103	56.3	44.1	66.1





#71

Bromoform

Concen: 19.665 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampled :

VX0320WBSD01

Tot Ion:173 Resp: 55116

Ion Ratio Lower Upper

173 100

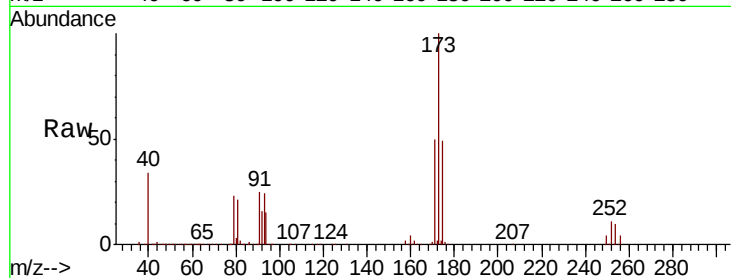
175 47.9 24.3 72.9

254 0.2 0.1 0.1#

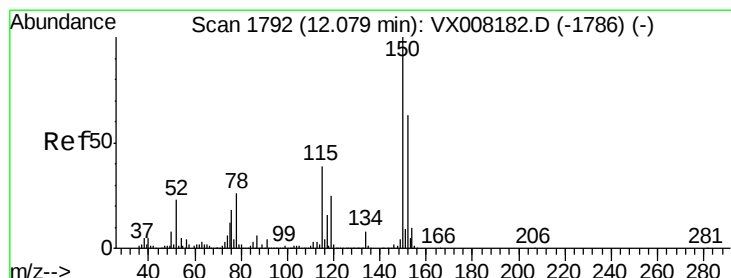
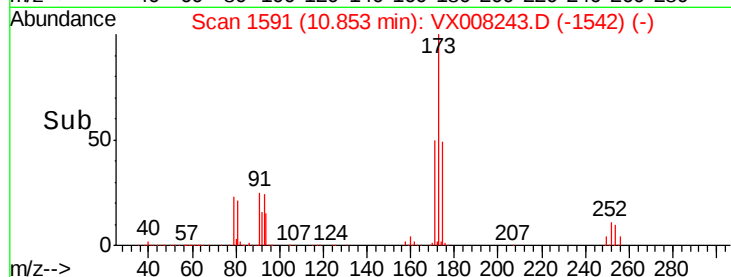
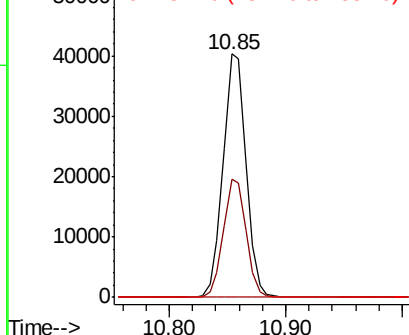
Manual Integrations
APPROVED

MMDadoda

3/22/2019 2:46:11 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: VX008243.D

Acq: 20 Mar 2019 15:40

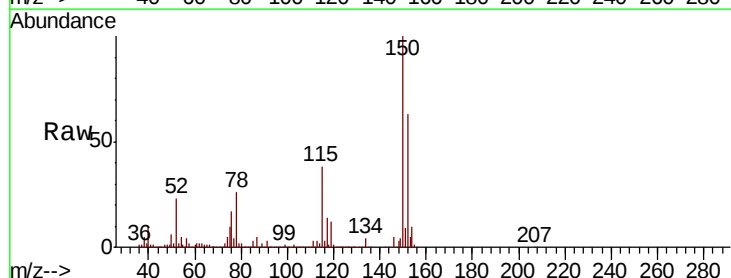
Tgt Ion:152 Resp: 187406

Ion Ratio Lower Upper

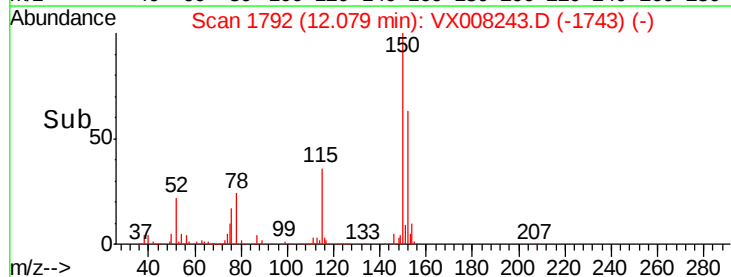
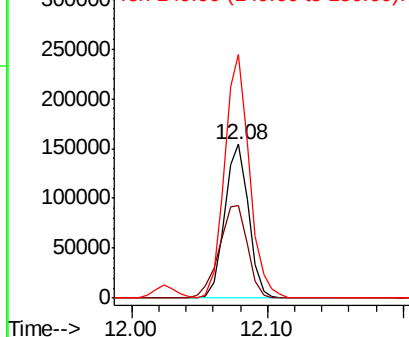
152 100

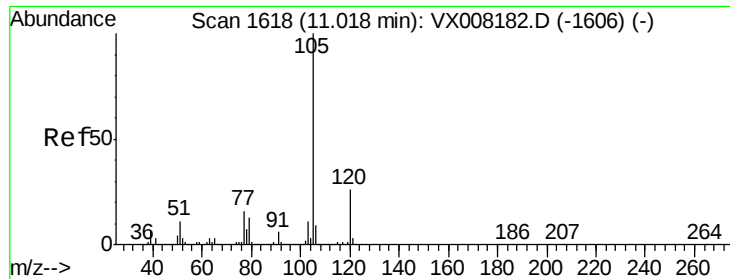
115 71.6 38.6 115.7

150 164.1 0.0 348.4



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: 20.664 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 105 Resp: 345178

Ion Ratio Lower Upper

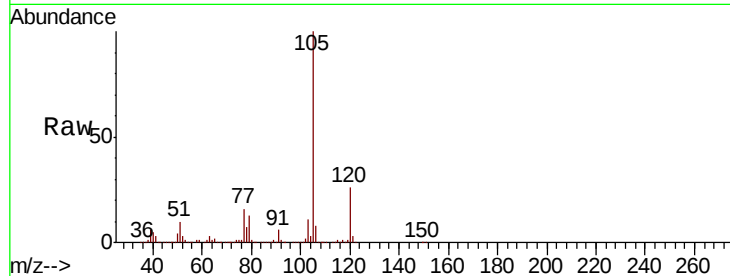
105 100

120 25.9 13.4 40.1

Manual Integrations
APPROVED

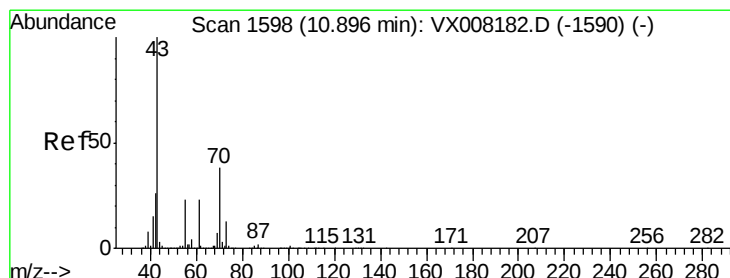
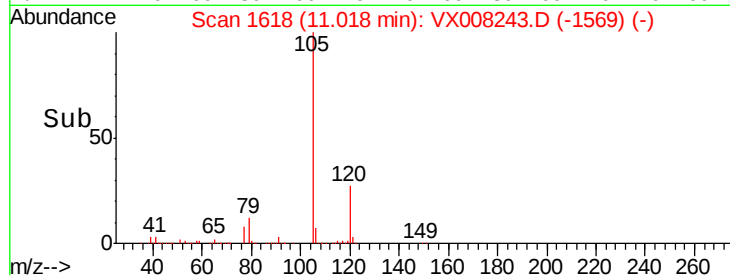
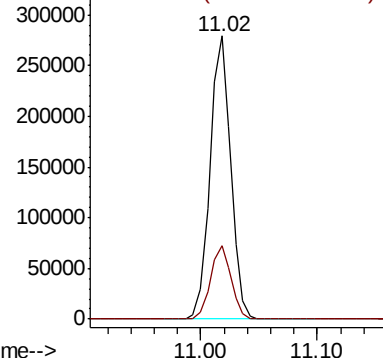
MMDadoda

3/22/2019 2:46:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.505 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion: 43 Resp: 179459

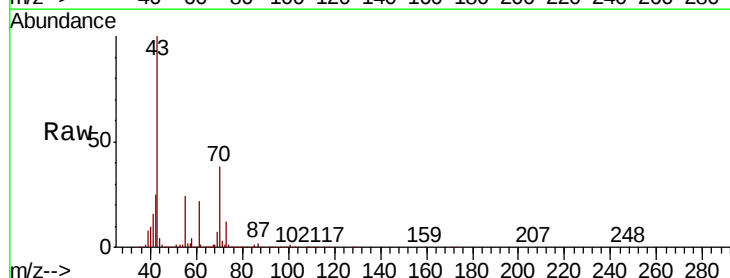
Ion Ratio Lower Upper

43 100

70 38.9 33.5 50.3

55 24.4 19.2 28.8

61 22.2 19.0 28.6

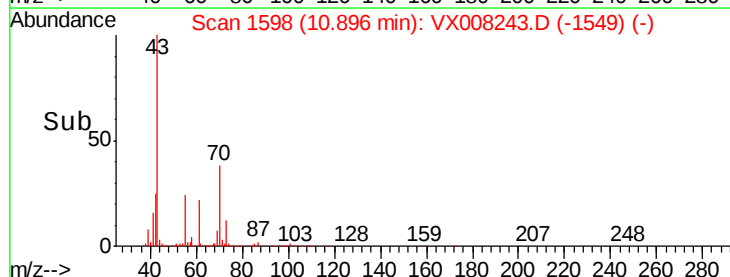
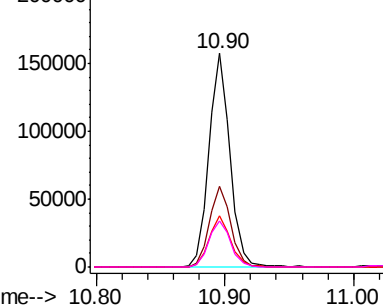


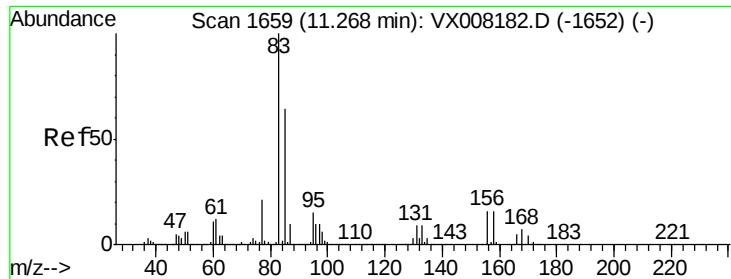
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.763 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion: 83 Resp: 124370

Ion Ratio Lower Upper

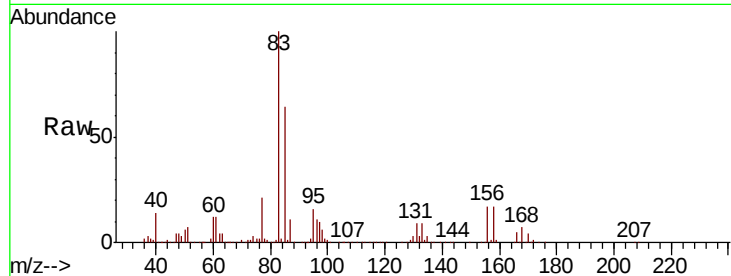
83 100

131 9.5 5.4 16.2

85 64.4 32.3 96.8

Manual Integrations
APPROVED

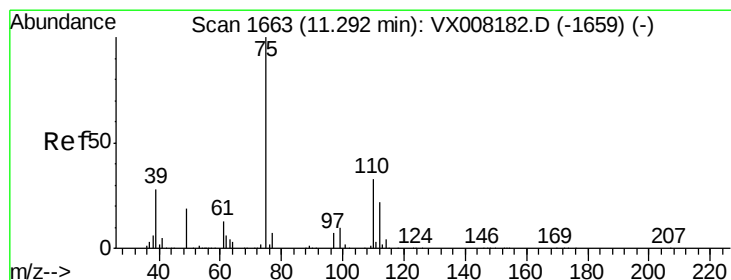
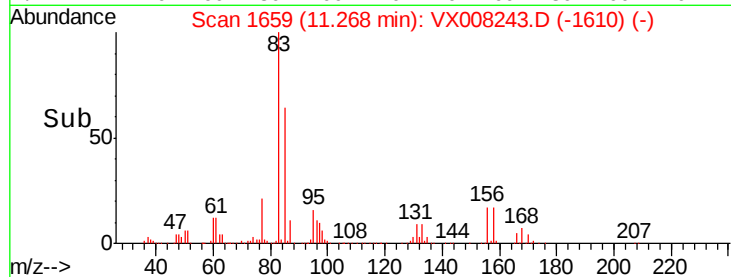
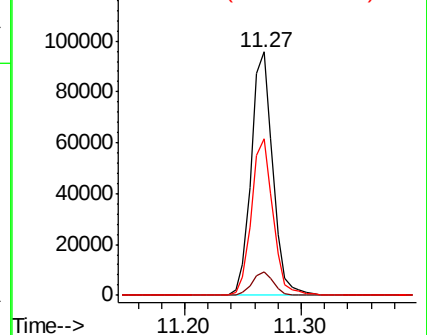
MMDadoda
3/22/2019 2:46:11 PM



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: 23.869 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008243.D

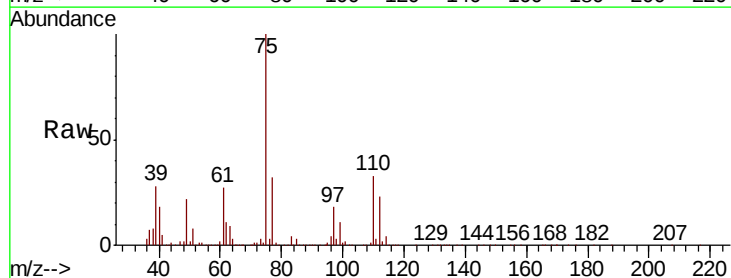
Acq: 20 Mar 2019 15:40

Tgt Ion: 75 Resp: 125815

Ion Ratio Lower Upper

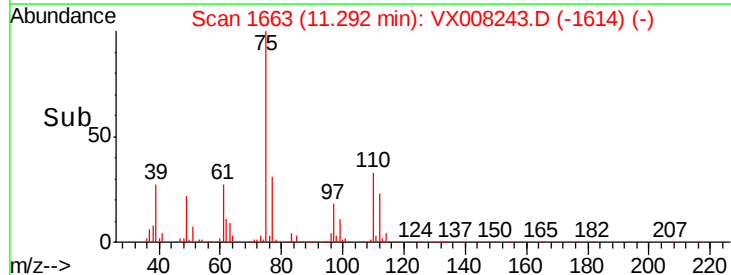
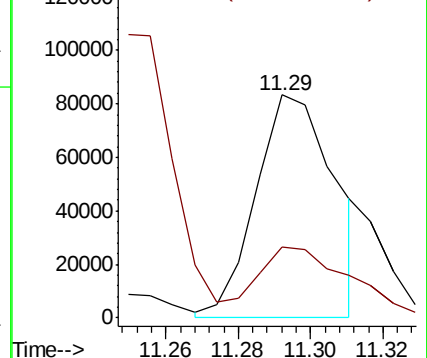
75 100

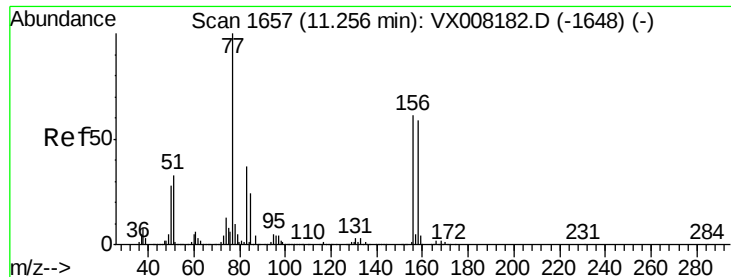
77 37.6 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.710 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:156 Resp: 83644

Ion Ratio Lower Upper

156 100

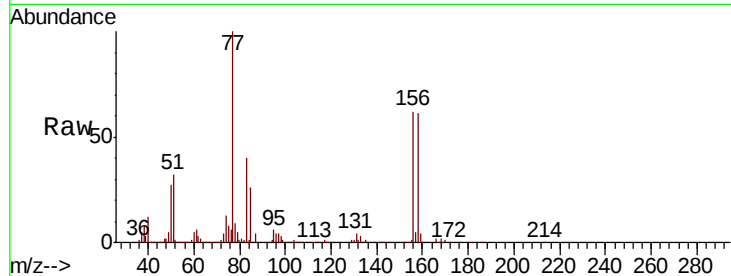
77 170.0 72.0 215.9

158 97.6 48.6 145.9

Manual Integrations
APPROVED

MMDadoda

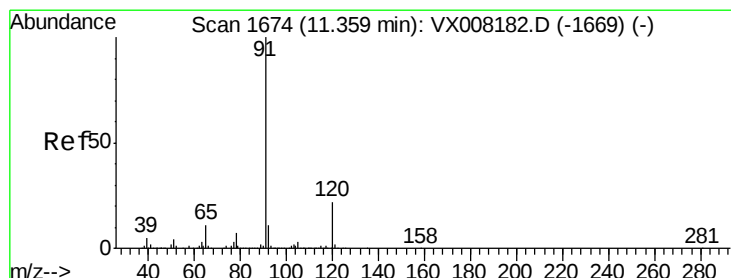
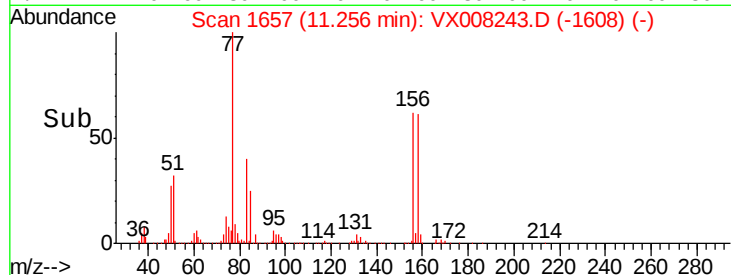
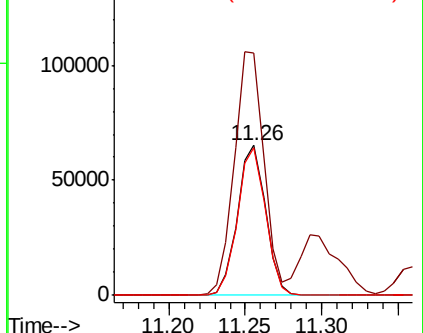
3/22/2019 2:46:11 PM



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: 20.447 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008243.D

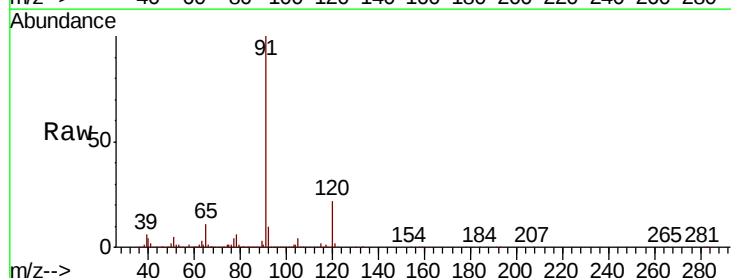
Acq: 20 Mar 2019 15:40

Tgt Ion: 91 Resp: 396709

Ion Ratio Lower Upper

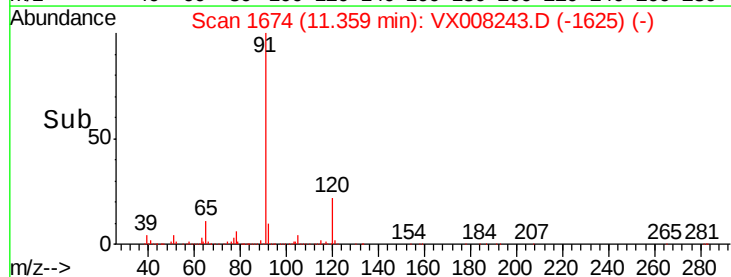
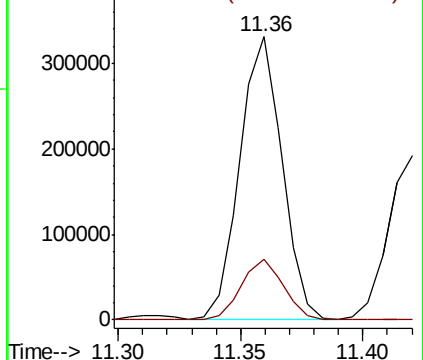
91 100

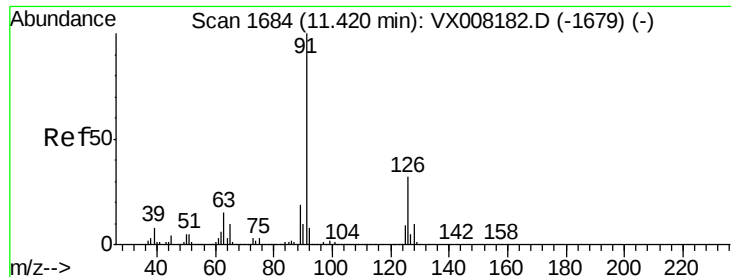
120 21.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.527 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampled :

VX0320WBSD01

Tot Ion: 91 Resp: 239039

Ion Ratio Lower Upper

91 100

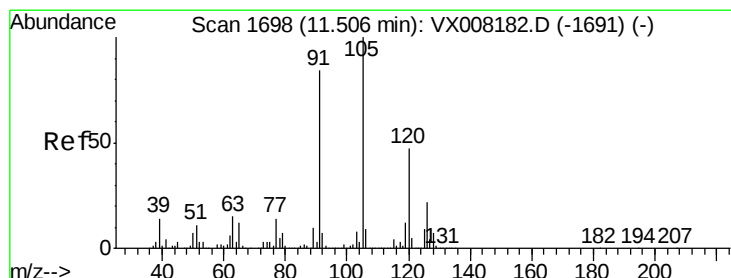
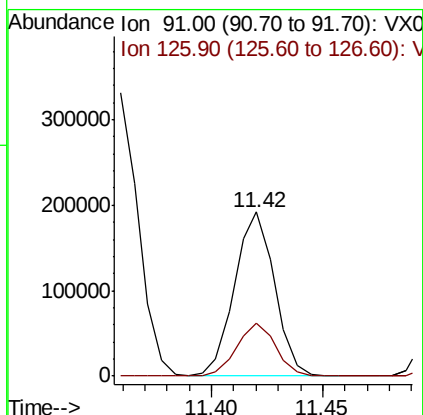
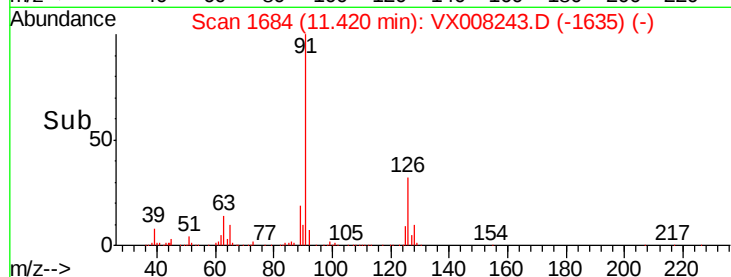
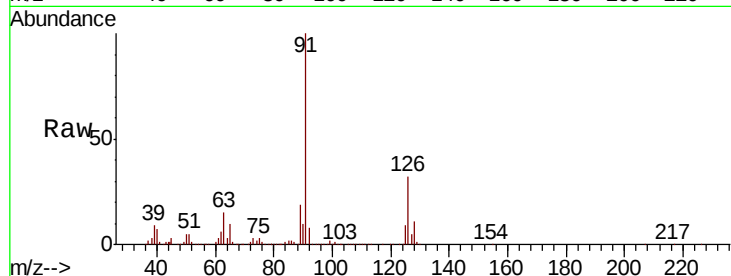
126 31.8 17.5 52.6

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:46:11 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.436 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008243.D

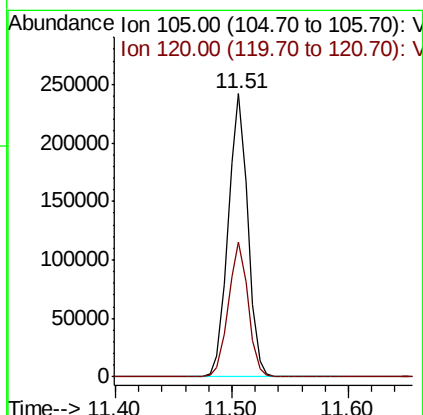
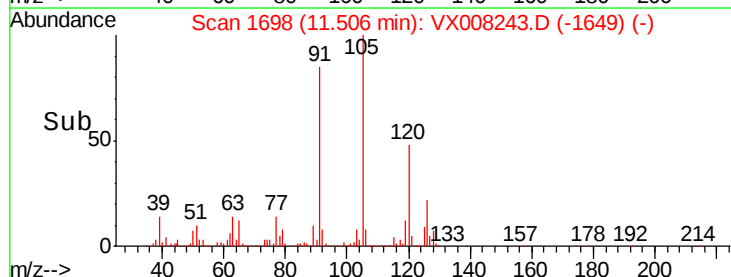
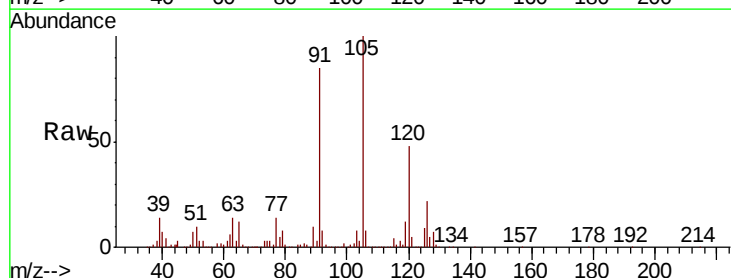
Acq: 20 Mar 2019 15:40

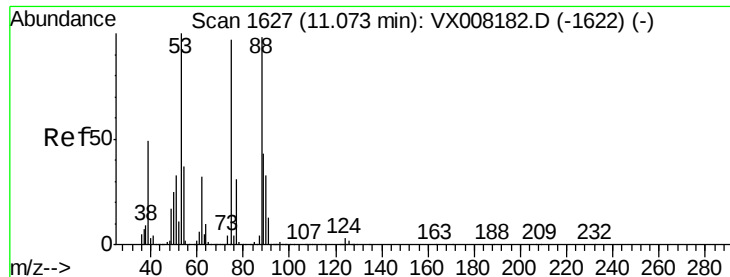
Tgt Ion: 105 Resp: 282035

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.6





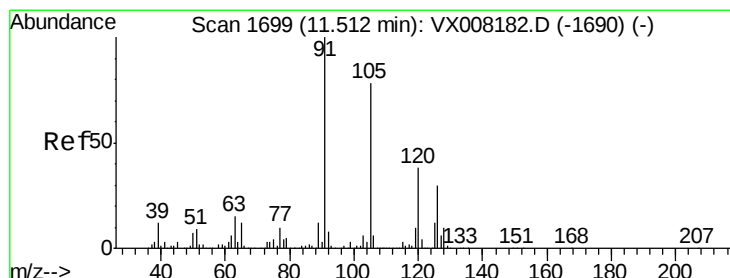
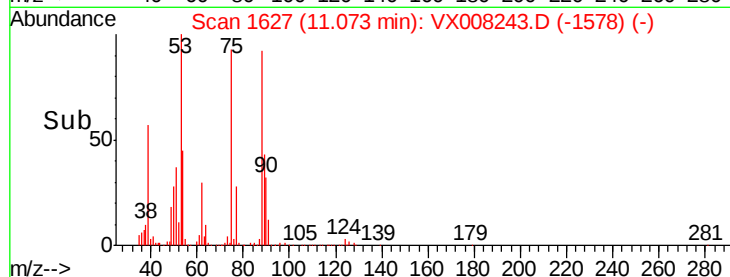
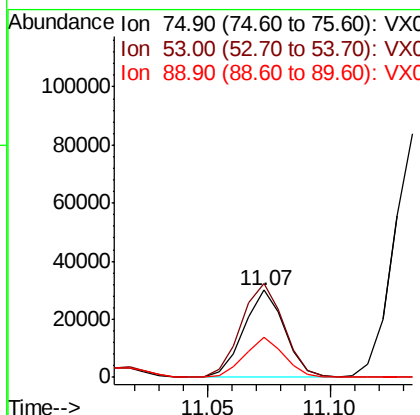
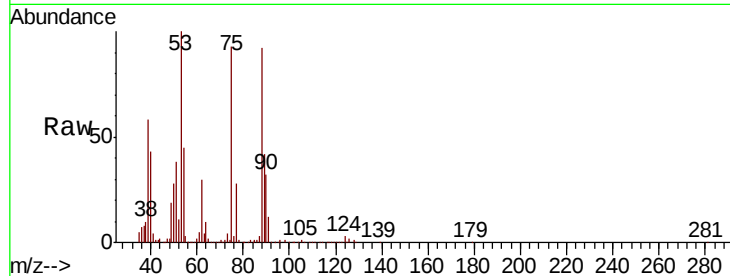
#81
trans-1,4-Dichloro-2-butene
Concen: 17.725 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.0	76.1	114.1
89	45.1	36.3	54.5

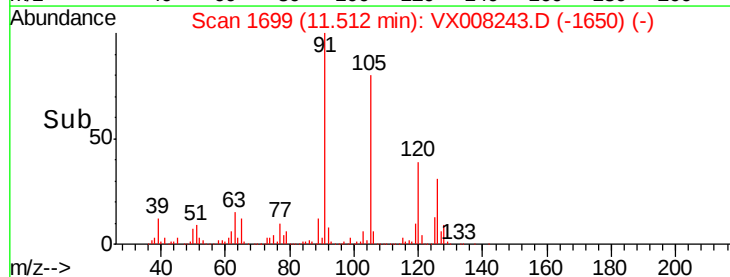
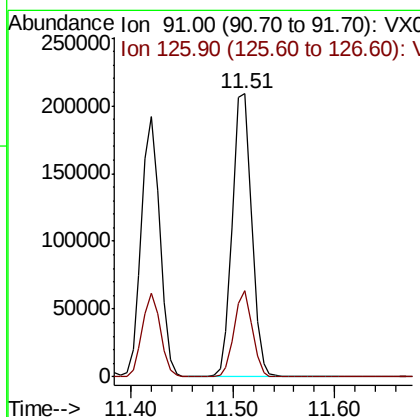
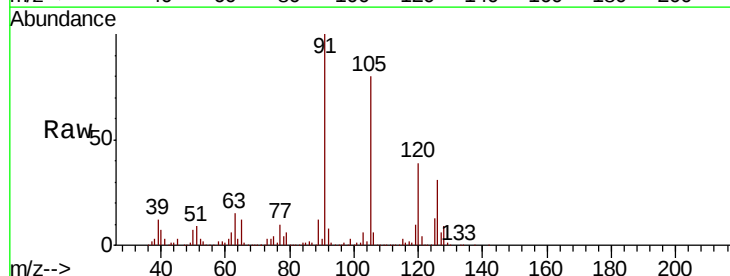
Manual Integrations
APPROVED

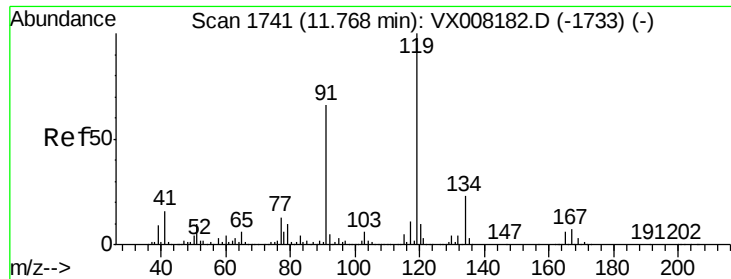
MMDadoda
3/22/2019 2:46:11 PM



#82
4-Chlorotoluene
Concen: 20.074 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	15.6	46.8





#83

tert-Butylbenzene

Concen: 20.400 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:119 Resp: 268789

Ion Ratio Lower Upper

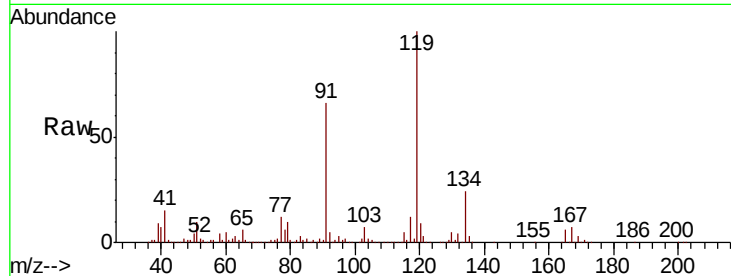
119 100

91 62.1 27.1 81.3

134 23.0 11.4 34.1

Manual Integrations
APPROVED

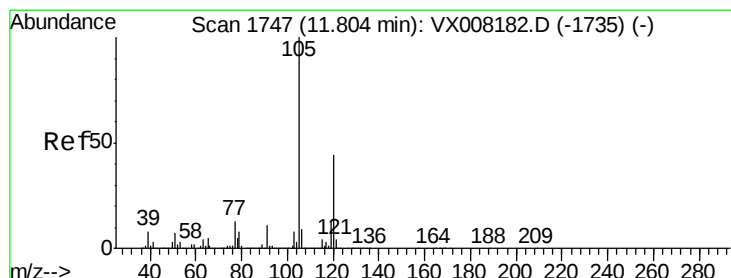
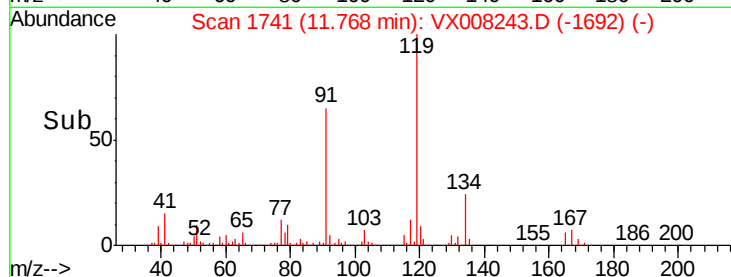
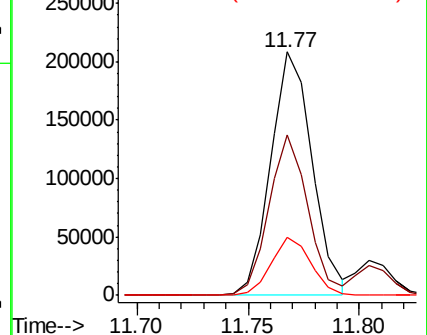
MMDadoda
3/22/2019 2:46:11 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.769 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008243.D

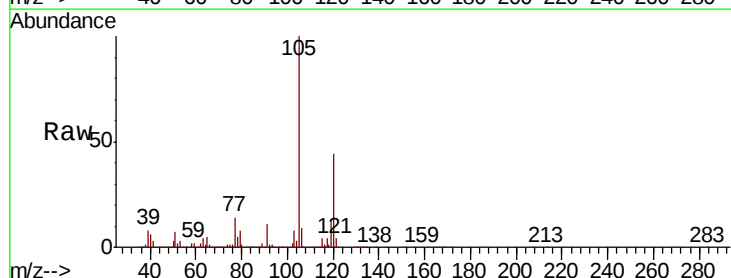
Acq: 20 Mar 2019 15:40

Tgt Ion:105 Resp: 290577

Ion Ratio Lower Upper

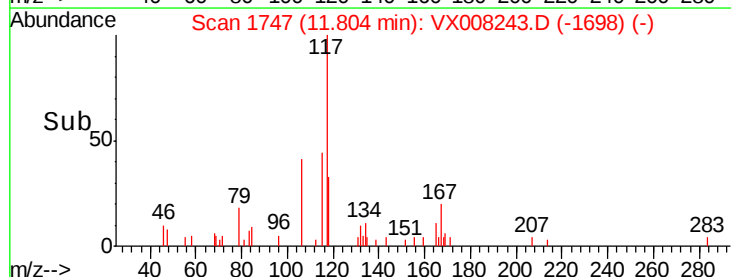
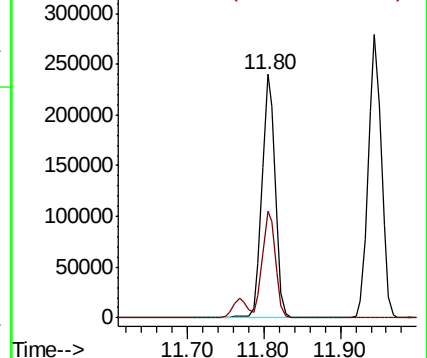
105 100

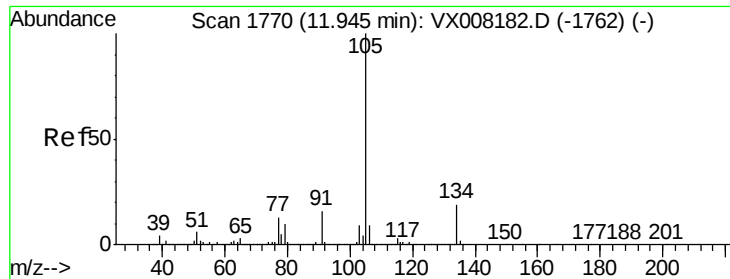
120 43.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.309 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD01

Tot Ion:105 Resp: 331373

Ion Ratio Lower Upper

105 100

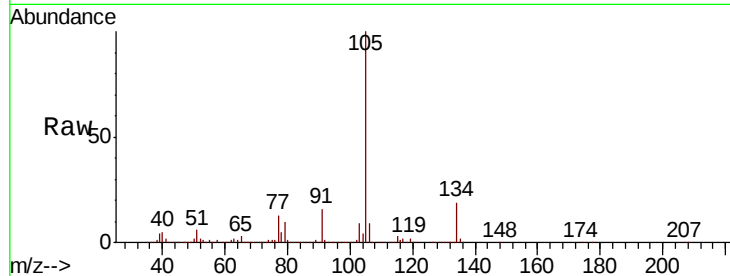
134 19.3 10.4 31.2

Manual Integrations

APPROVED

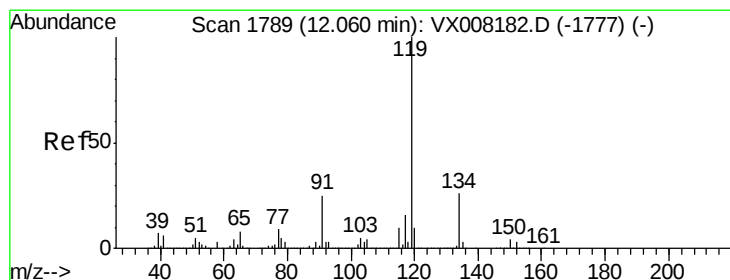
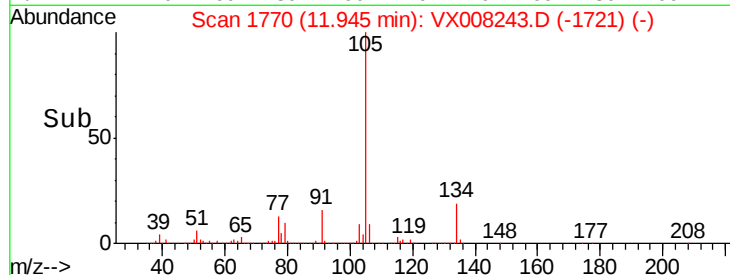
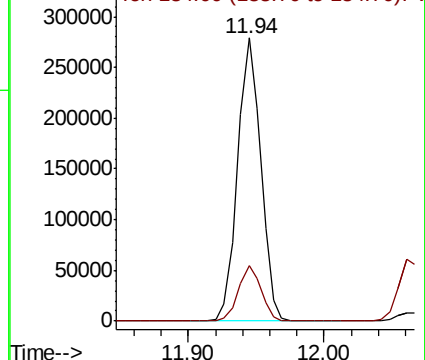
MMDadoda

3/22/2019 2:46:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.139 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

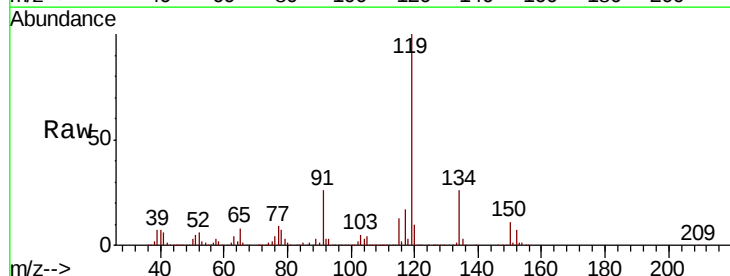
Tgt Ion:119 Resp: 284438

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

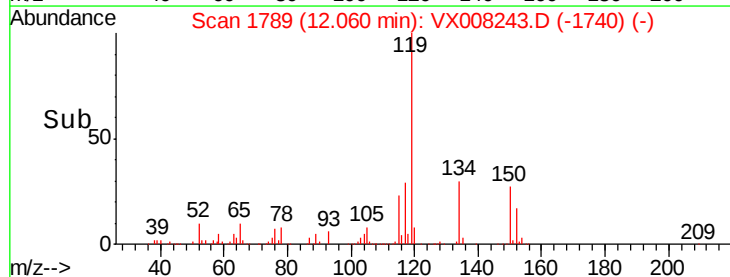
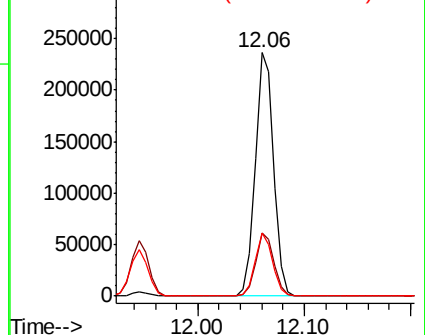
91 24.7 10.9 32.7

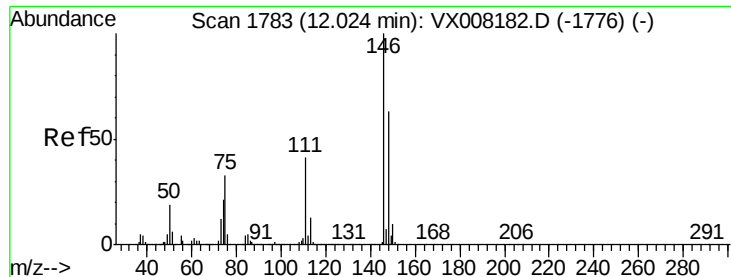


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.939 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

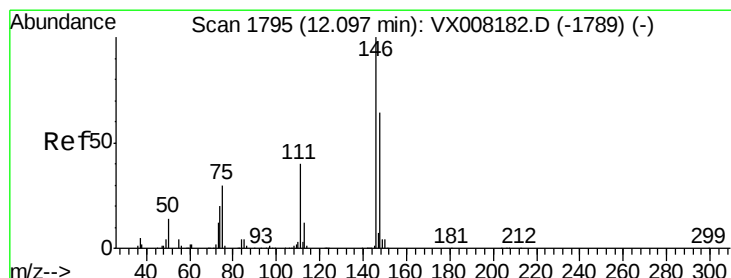
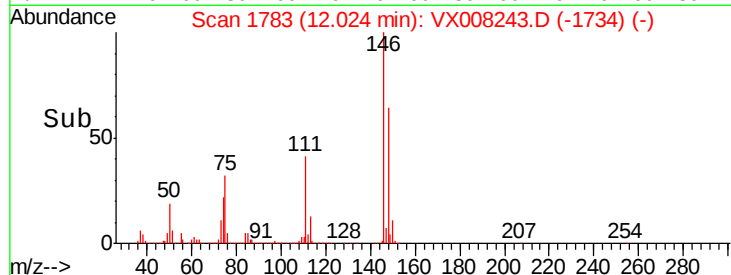
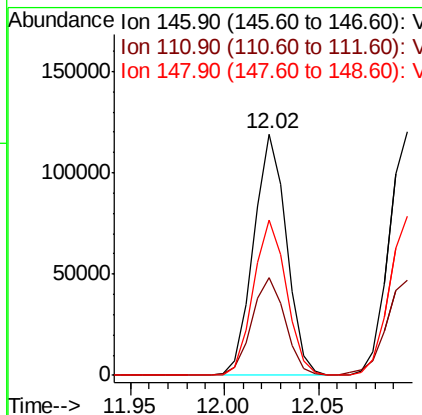
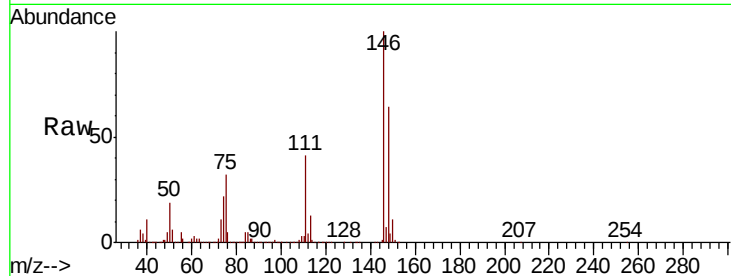
ClientSampleId :

VX0320WBSD01

Tot Ion:	146	Resp:	143916
Ion Ratio	Lower	Upper	
146	100		
111	41.4	18.9	56.7
148	64.8	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#88

1,4-Dichlorobenzene

Concen: 19.473 ug/l

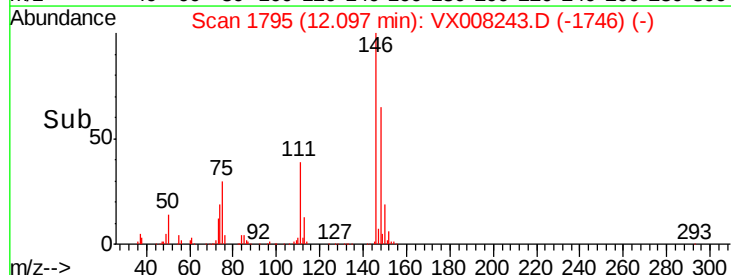
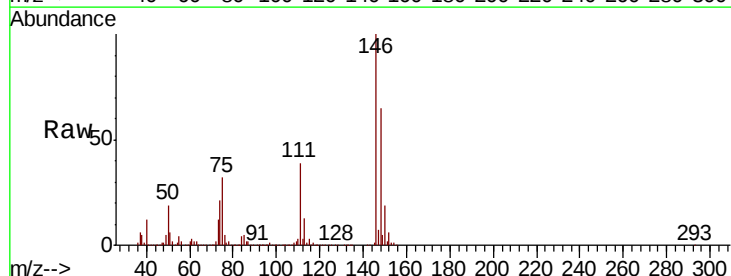
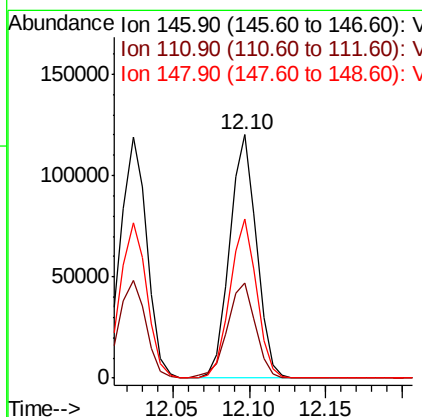
RT: 12.10 min Scan# 1795

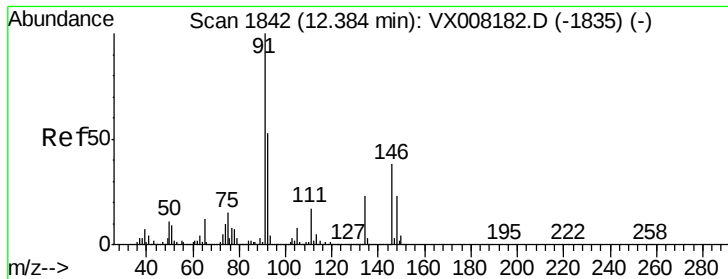
Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	146	Resp:	145386
Ion Ratio	Lower	Upper	
146	100		
111	40.7	18.4	55.0
148	64.5	32.2	96.6





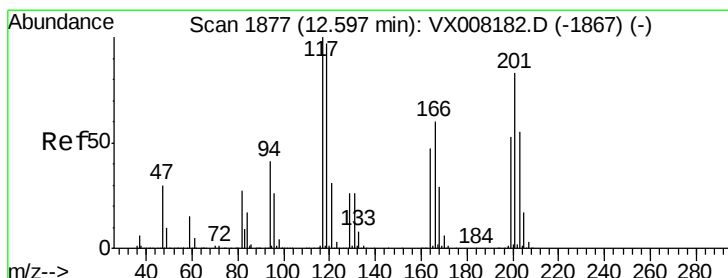
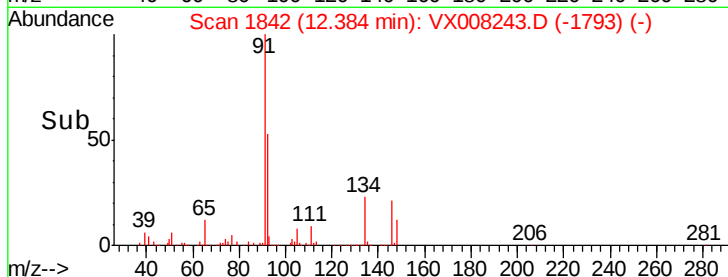
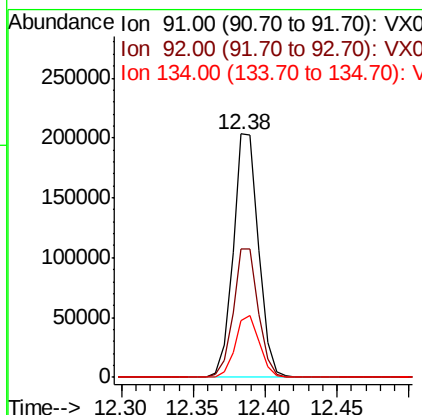
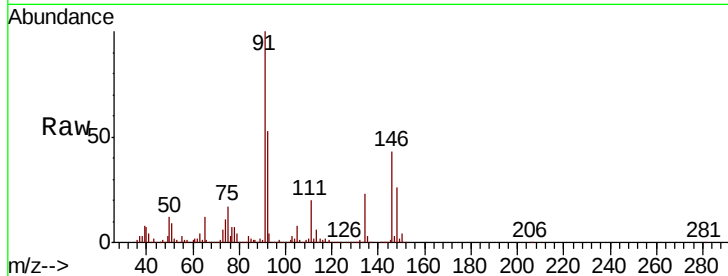
#89
n-Butylbenzene
Concen: 18.898 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleID :
VX0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	27.0	80.8	
134	24.3	13.7	41.0	

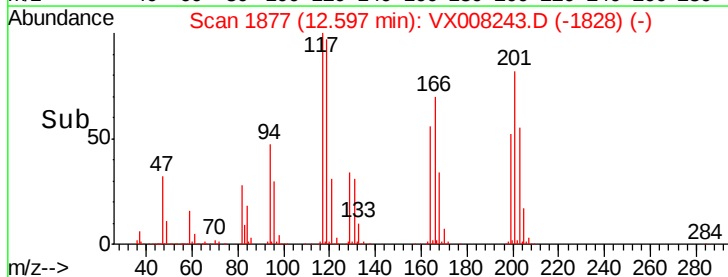
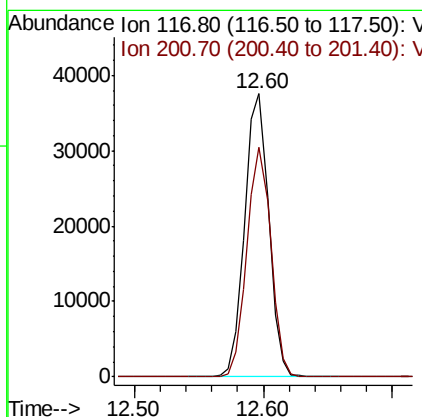
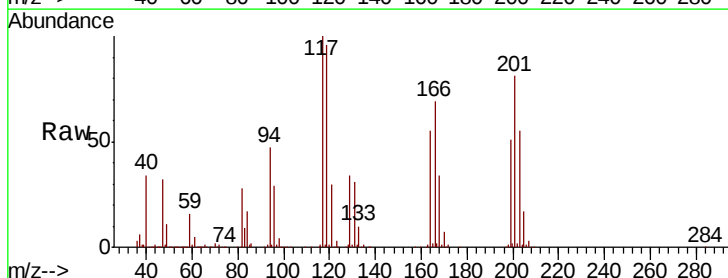
Manual Integrations
APPROVED

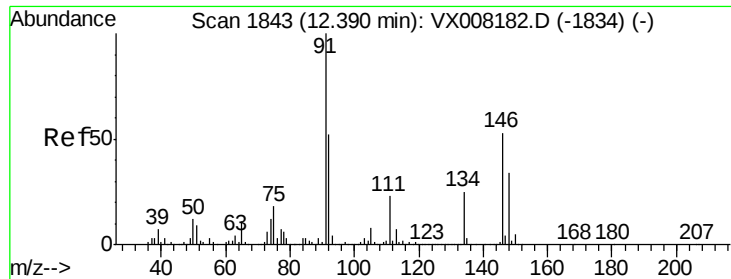
MMDadoda
3/22/2019 2:46:11 PM



#90
Hexachloroethane
Concen: 20.083 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008243.D
Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.4	48.9	146.7	





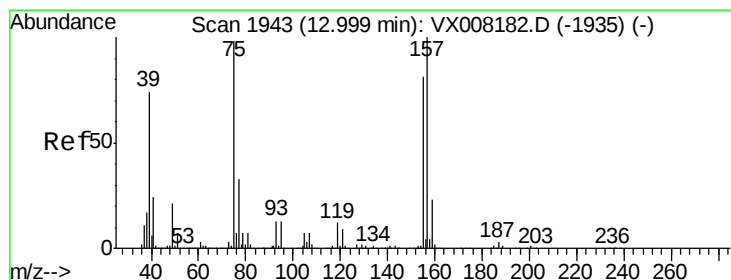
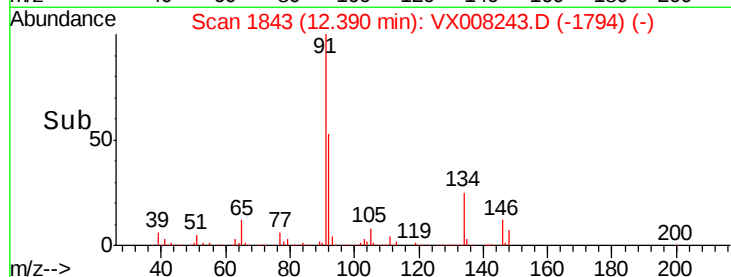
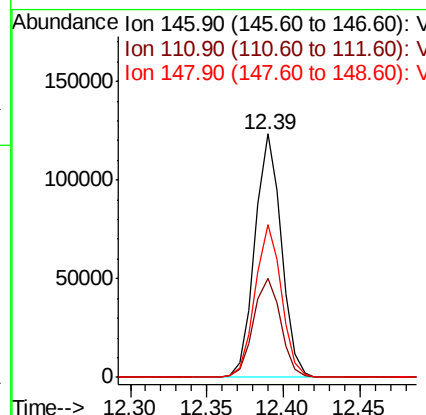
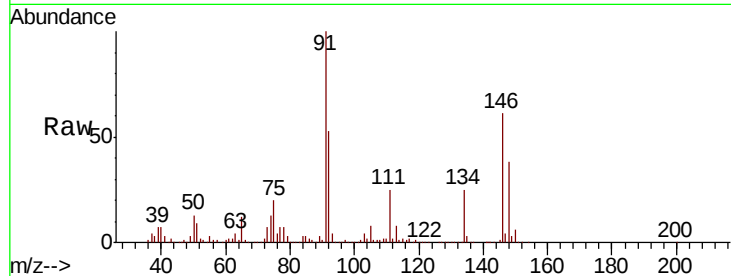
#91
 1,2-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.6	58.8
148	62.6	31.9	95.5

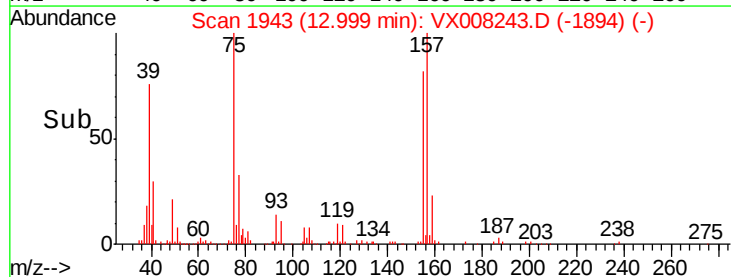
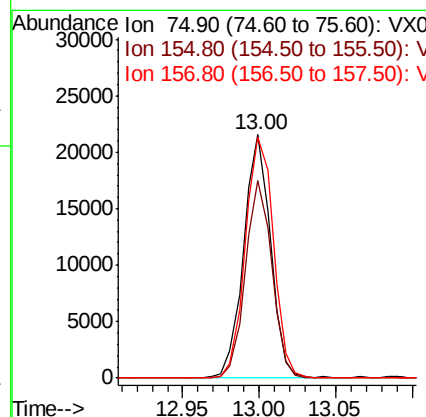
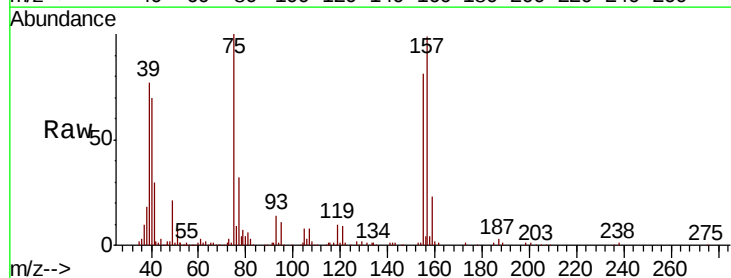
Manual Integrations
 APPROVED

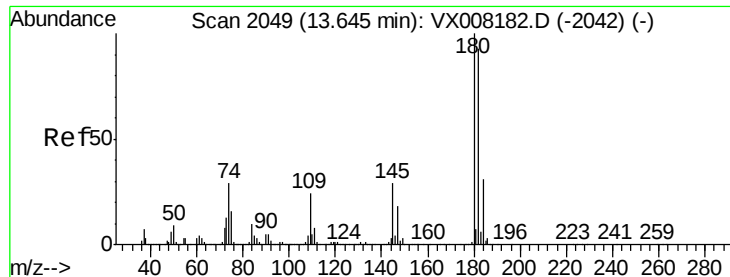
MMDadoda
 3/22/2019 2:46:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.734 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	49.7	149.1
157	104.3	63.8	191.4





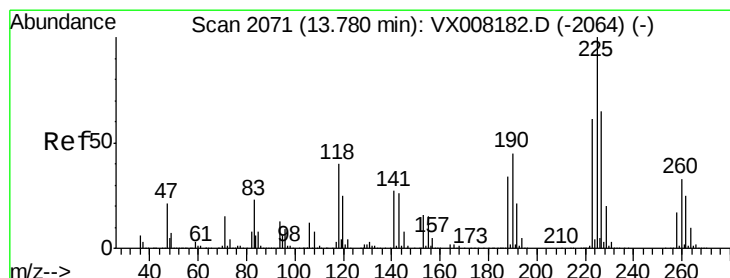
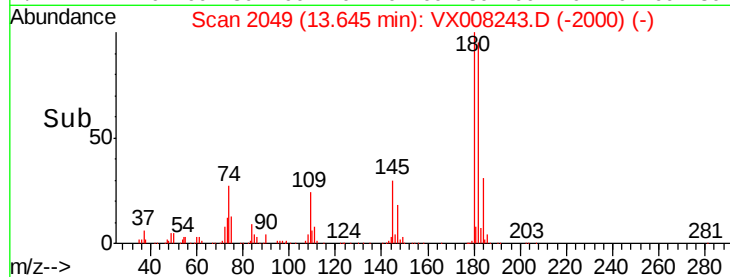
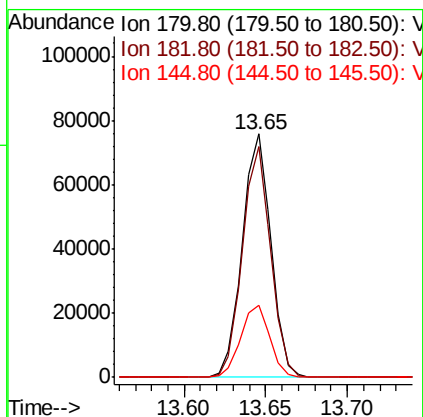
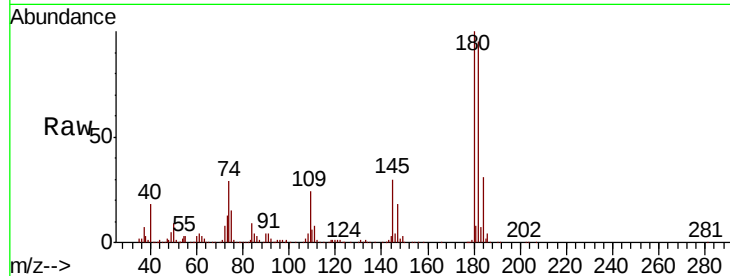
#93
 1,2,4-Trichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.9	143.7	
145	30.3	14.1	42.4	

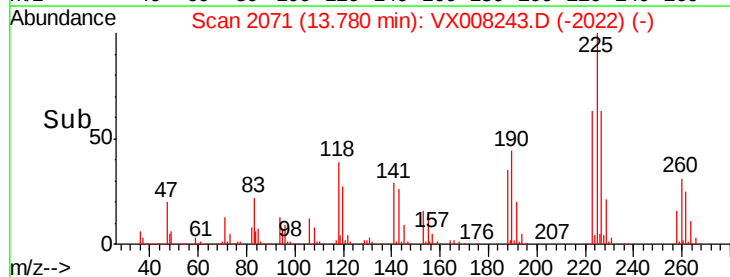
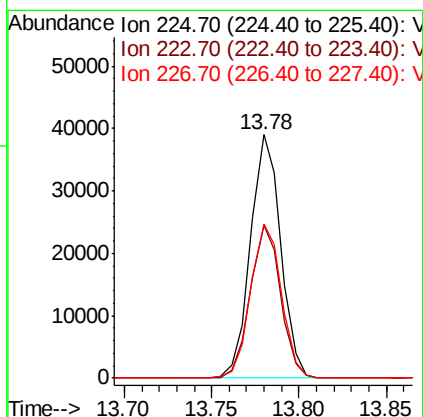
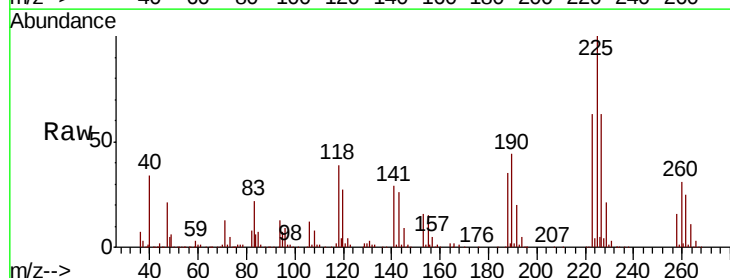
Manual Integrations
 APPROVED

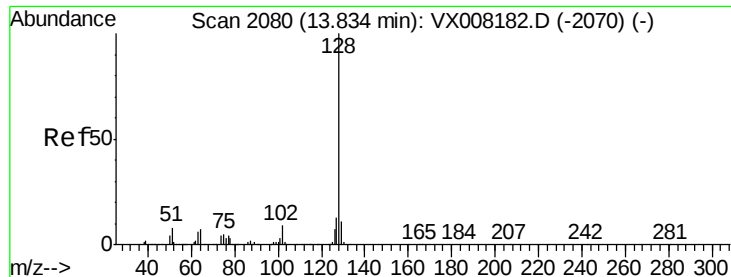
MMDadoda
 3/22/2019 2:46:11 PM



#94
 Hexachlorobutadiene
 Concen: 19.949 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008243.D
 Acq: 20 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	31.1	93.2	
227	64.7	32.0	96.0	





#95

Naphthalene

Concen: 20.316 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Instrument :

MSVOA_X

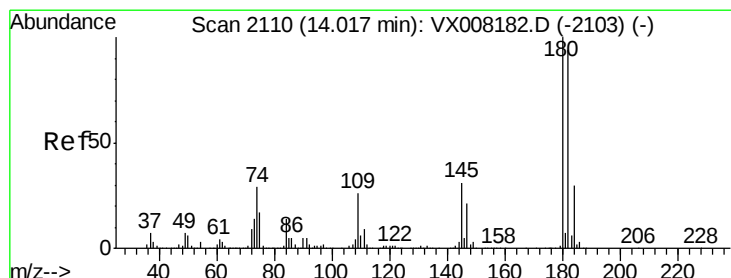
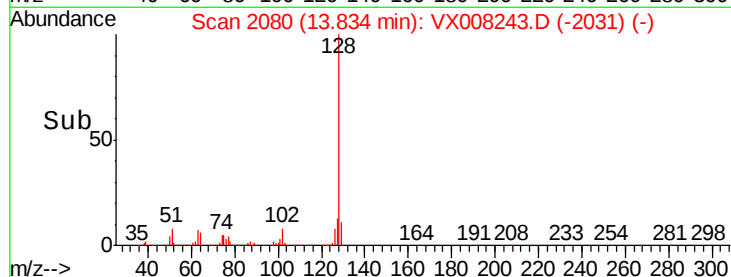
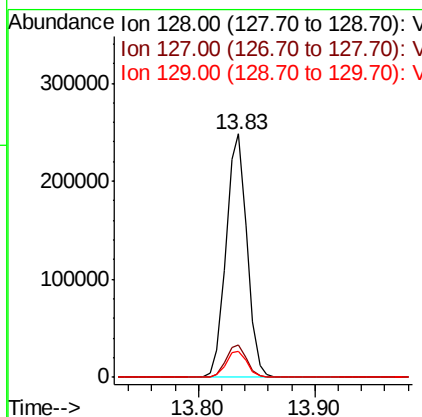
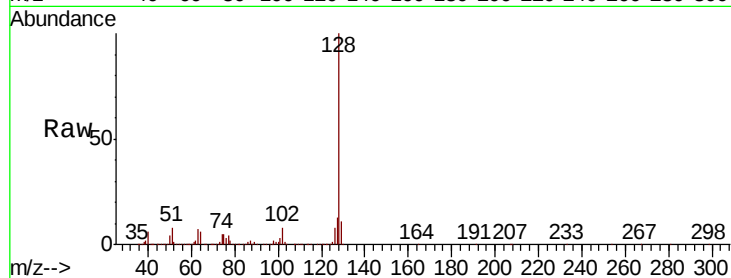
ClientSampleId :

VX0320WBSD01

Tot Ion:	128	Resp:	307392
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:46:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.125 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008243.D

Acq: 20 Mar 2019 15:40

Tgt Ion:	180	Resp:	94928
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.5
145	31.9	14.8	44.3

