

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051019\
 Data File : VX009484.D
 Acq On : 10 May 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:52 AM

Quant Time: May 11 03:38:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171946	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	266636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111289	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	5.49	113	84050	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.71	98	335940	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.13	95	125391	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	72046	45.469	ug/l 100
3) Chloromethane	1.32	50	103325	47.763	ug/l 100
4) Vinyl Chloride	1.40	62	103874	49.242	ug/l 97
5) Bromomethane	1.64	94	58429	46.148	ug/l 100
6) Chloroethane	1.71	64	66891	49.390	ug/l 99
7) Trichlorofluoromethane	1.92	101	129285	50.420	ug/l 98
8) Diethyl Ether	2.18	74	59154	48.703	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80299	49.869	ug/l 98
10) Methyl Iodide	2.51	142	89832	48.198	ug/l 99
11) Tert butyl alcohol	3.05	59	129523	238.385	ug/l 100
12) 1,1-Dichloroethene	2.37	96	80975	50.191	ug/l 97
13) Acrolein	2.29	56	105288	213.973	ug/l 98
14) Allyl chloride	2.72	41	188711	47.997	ug/l 99
15) Acrylonitrile	3.14	53	315300	237.336	ug/l 99
16) Acetone	2.44	43	321672	255.216	ug/l 98
17) Carbon Disulfide	2.56	76	230561	50.901	ug/l 100
18) Methyl Acetate	2.77	43	135560	45.225	ug/l 100
19) Methyl tert-butyl Ether	3.19	73	307919	49.149	ug/l 100
20) Methylene Chloride	2.85	84	96753	47.410	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	87505	50.012	ug/l 98
22) Diisopropyl ether	3.85	45	370702	49.027	ug/l 97
23) Vinyl Acetate	3.81	43	1662415	256.754	ug/l 100
24) 1,1-Dichloroethane	3.69	63	179920	48.236	ug/l 99
25) 2-Butanone	4.67	43	484253	247.243	ug/l 100
26) 2,2-Dichloropropane	4.58	77	136699	49.236	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	101451	48.577	ug/l 100
28) Bromochloromethane	5.01	49	68631	45.459	ug/l 99
29) Tetrahydrofuran	5.12	42	309235	245.355	ug/l 99
30) Chloroform	5.21	83	168040	49.811	ug/l 99
31) Cyclohexane	5.57	56	178571	51.457	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	138694	49.386	ug/l 99
36) 1,1-Dichloropropene	5.79	75	130025	52.474	ug/l 100
37) Ethyl Acetate	4.83	43	178056	51.574	ug/l 99
38) Carbon Tetrachloride	5.78	117	117989	52.409	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051019\
 Data File : VX009484.D
 Acq On : 10 May 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:52 AM

Quant Time: May 11 03:38:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167038	54.891	ug/l	98
40) Benzene	6.14	78	393489	51.311	ug/l	99
41) Methacrylonitrile	5.04	41	99693	48.509	ug/l	99
42) 1,2-Dichloroethane	6.19	62	141871	51.573	ug/l	100
43) Isopropyl Acetate	6.44	43	283336	51.307	ug/l	100
44) Trichloroethene	7.21	130	95164	51.332	ug/l	99
45) 1,2-Dichloropropane	7.51	63	110496	50.886	ug/l	99
46) Dibromomethane	7.66	93	64329	51.015	ug/l	98
47) Bromodichloromethane	7.90	83	128824	51.216	ug/l	96
48) Methyl methacrylate	7.77	41	143015	52.200	ug/l	99
49) 1,4-Dioxane	7.74	88	54062	973.001	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	923687	255.903	ug/l	100
52) Toluene	8.78	92	243659	52.270	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	151801	53.455	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	168547	53.622	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96347	50.661	ug/l	95
56) Ethyl methacrylate	9.18	69	176466	51.982	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170235	50.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	435323	241.722	ug/l	100
59) 2-Hexanone	9.49	43	745931	263.127	ug/l	99
60) Dibromochloromethane	9.58	129	97972	52.746	ug/l	98
61) 1,2-Dibromoethane	9.67	107	99560	51.862	ug/l	99
64) Tetrachloroethene	9.34	164	88040	53.228	ug/l	99
65) Chlorobenzene	10.13	112	251469	52.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91237	52.172	ug/l	98
67) Ethyl Benzene	10.25	91	469052	52.837	ug/l	100
68) m/p-Xylenes	10.36	106	350902	108.168	ug/l	100
69) o-Xylene	10.69	106	169272	52.885	ug/l	99
70) Styrene	10.71	104	301091	54.122	ug/l	100
71) Bromoform	10.85	173	74129	52.162	ug/l #	99
73) Isopropylbenzene	11.02	105	457571	49.813	ug/l	99
74) N-amyl acetate	10.90	43	267703	49.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163270	47.680	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143583m	49.002	ug/l	
77) Bromobenzene	11.26	156	112731	49.445	ug/l	99
78) n-propylbenzene	11.36	91	535436	51.040	ug/l	99
79) 2-Chlorotoluene	11.42	91	314780	48.636	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	391764	50.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57626	50.320	ug/l	99
82) 4-Chlorotoluene	11.51	91	364877	49.904	ug/l	100
83) tert-Butylbenzene	11.77	119	376124	49.990	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	394029	50.755	ug/l	99
85) sec-Butylbenzene	11.94	105	454625	50.966	ug/l	100
86) p-Isopropyltoluene	12.06	119	417692	52.086	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	205371	50.529	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	206818	50.472	ug/l	99
89) n-Butylbenzene	12.38	91	384646	53.069	ug/l	99
90) Hexachloroethane	12.60	117	69670	50.995	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	207742	50.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37211	48.441	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009484.D
Acq On : 10 May 2019 16:05
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

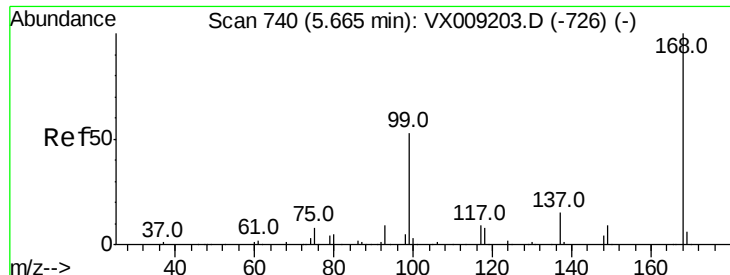
Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM

Quant Time: May 11 03:38:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150613	53.203	ug/l	98
94) Hexachlorobutadiene	13.78	225	77326	53.489	ug/l	99
95) Naphthalene	13.83	128	462108	50.174	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	148604	51.786	ug/l	99

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



#1

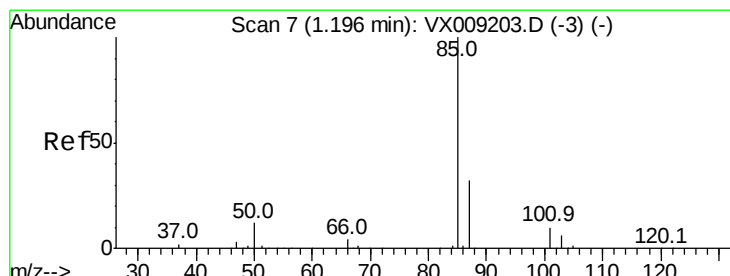
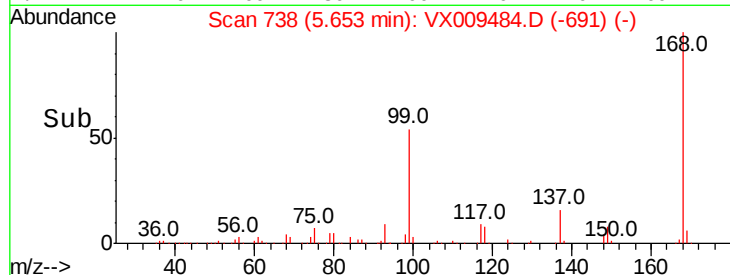
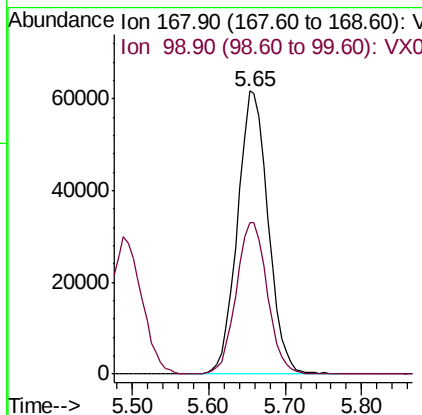
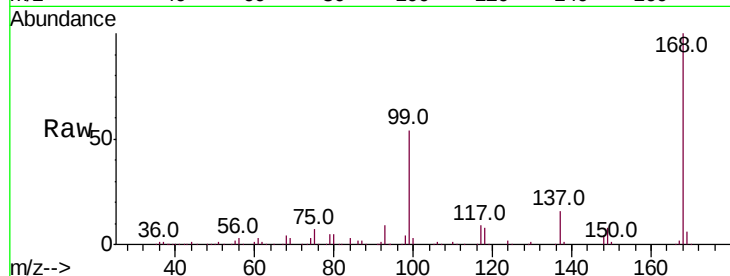
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	171946		
99	53.5	42.3	63.5	

Manual Integrations
 APPROVED

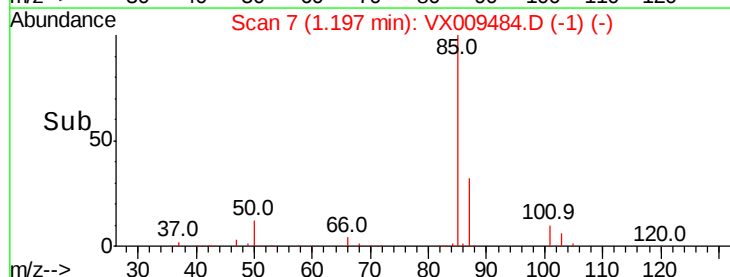
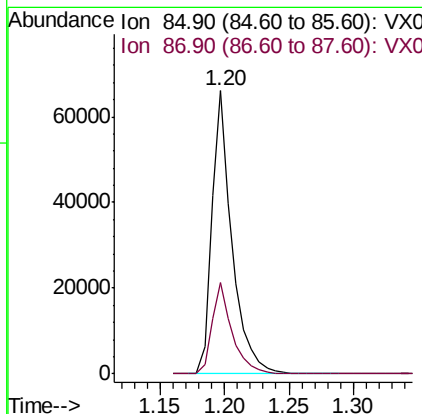
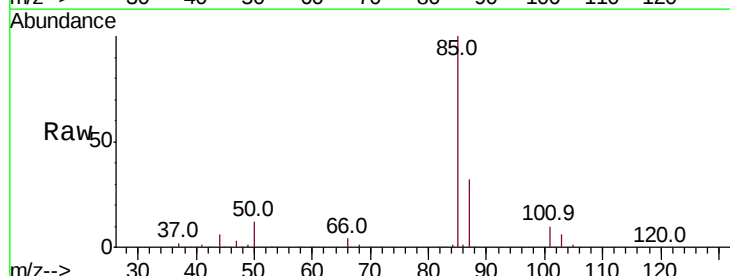
MMDadoda
 5/11/2019 11:52:52 AM

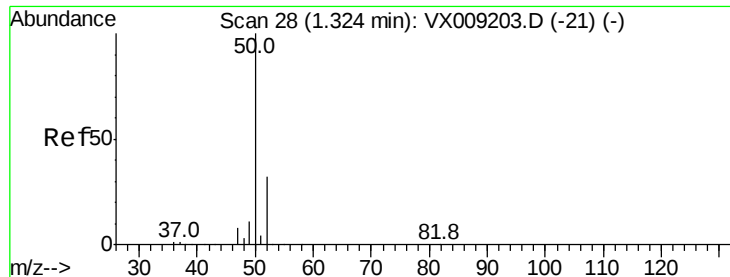


#2

Dichlorodifluoromethane
 Concen: 45.469 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	72046		
87	32.3	16.1	48.3	





#3

Chloromethane

Concen: 47.763 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 103325

Ion Ratio Lower Upper

50 100

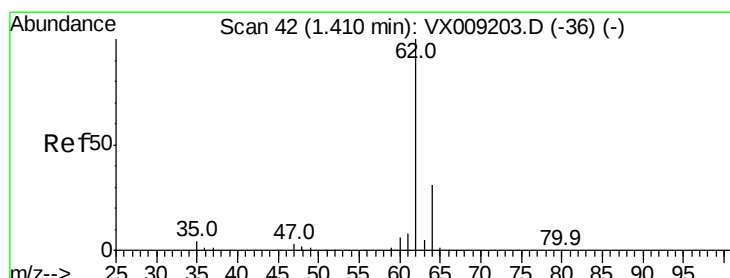
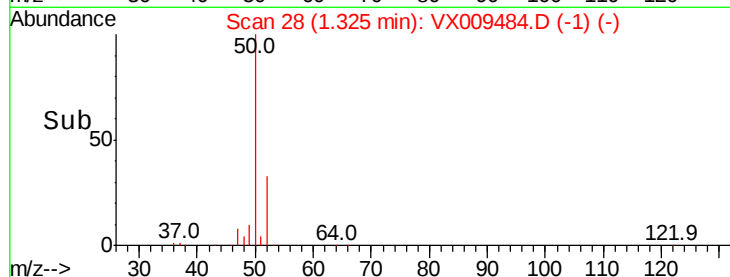
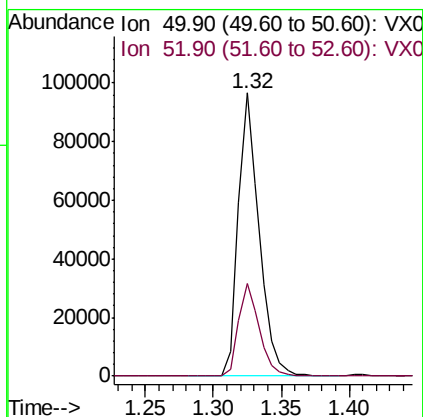
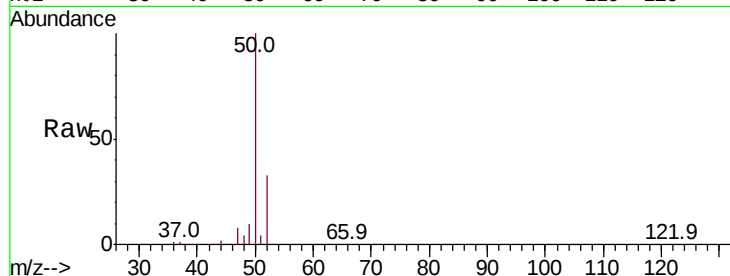
52 32.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#4

Vinyl Chloride

Concen: 49.242 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009484.D

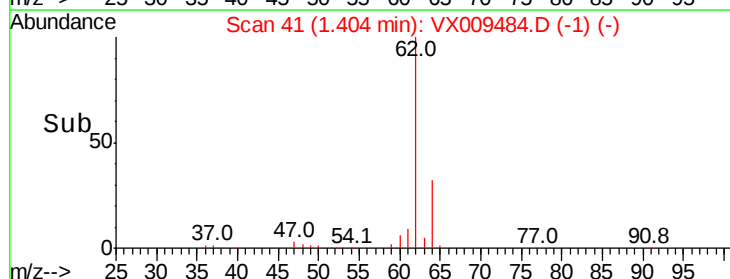
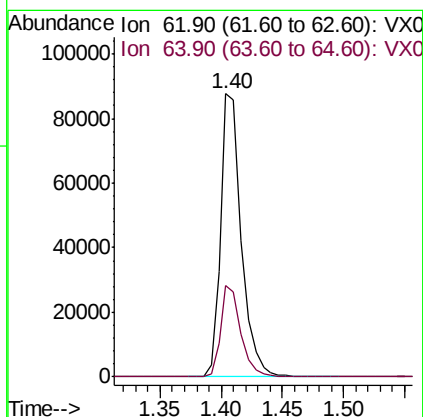
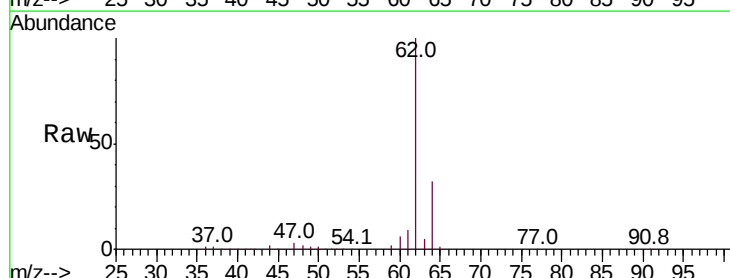
Acq: 10 May 2019 16:05

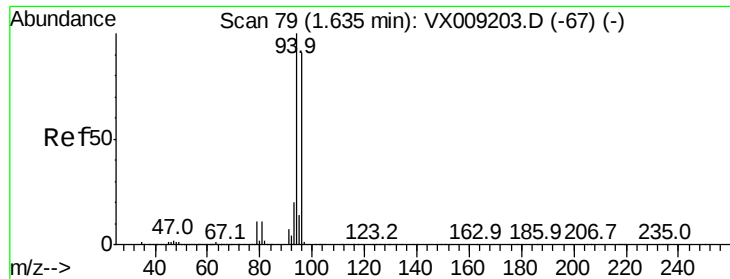
Tgt Ion: 62 Resp: 103874

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 46.148 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58429

Ion Ratio Lower Upper

94 100

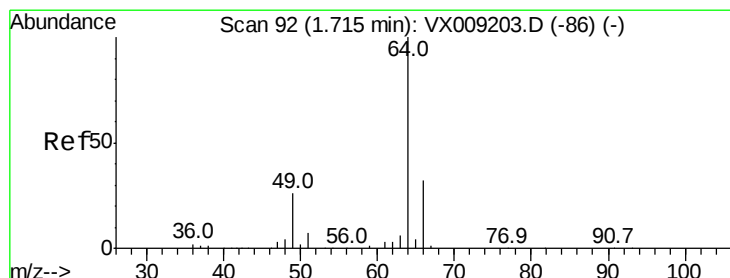
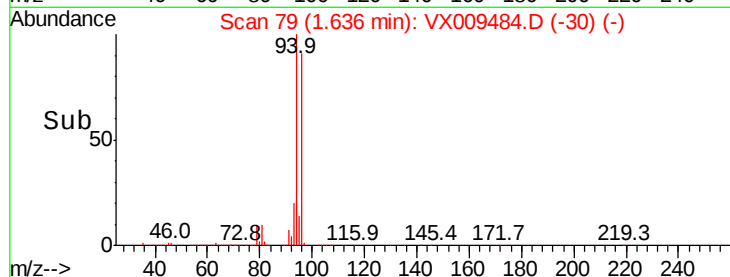
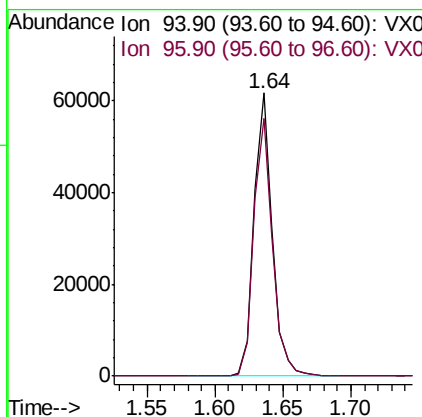
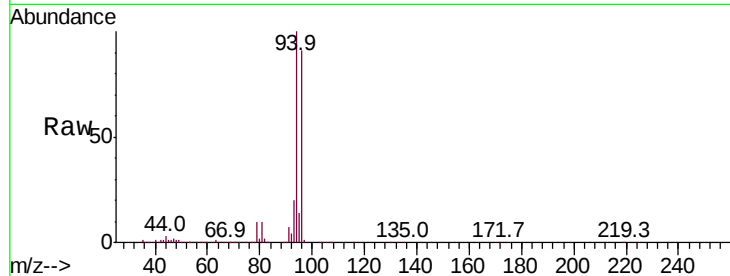
96 90.9 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#6

Chloroethane

Concen: 49.390 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009484.D

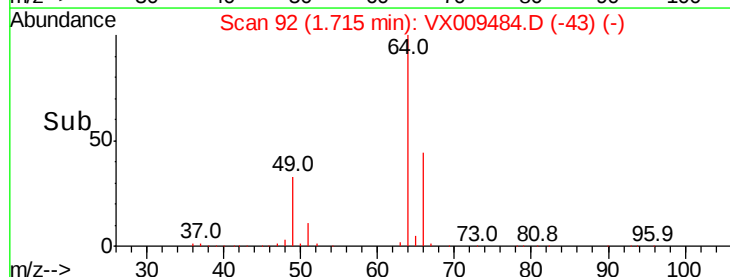
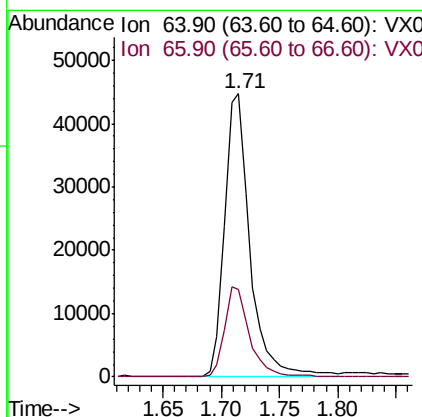
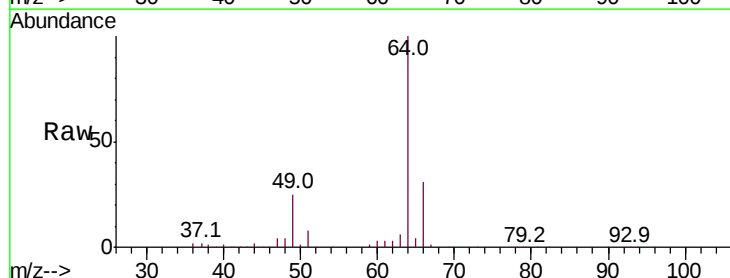
Acq: 10 May 2019 16:05

Tgt Ion: 64 Resp: 66891

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

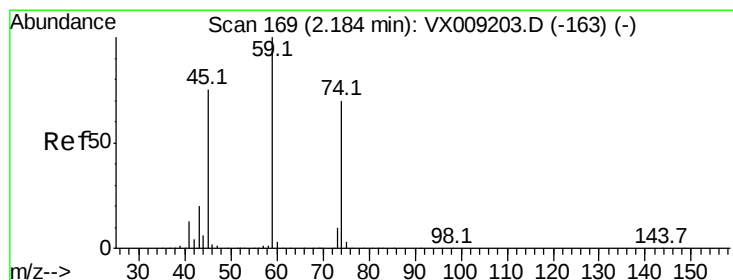
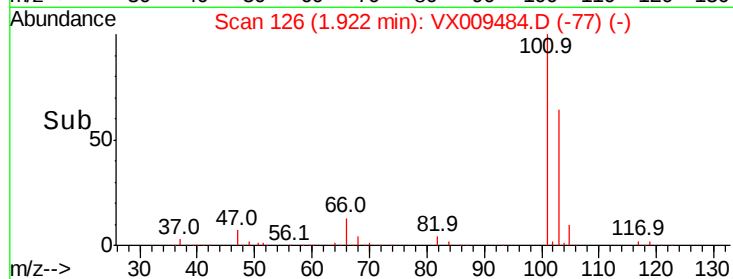
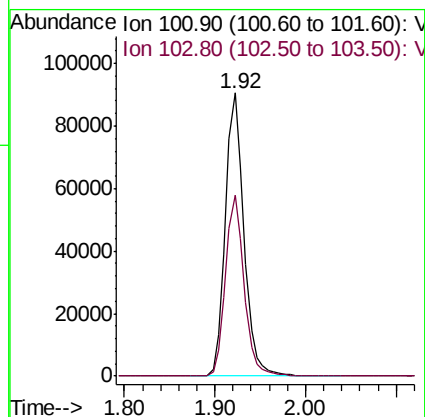
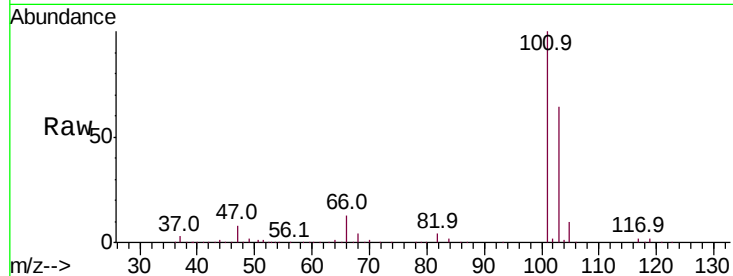
Trichlorofluoromethane
Concen: 50.420 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:101 Resp: 129285
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6

Manual Integrations
APPROVED

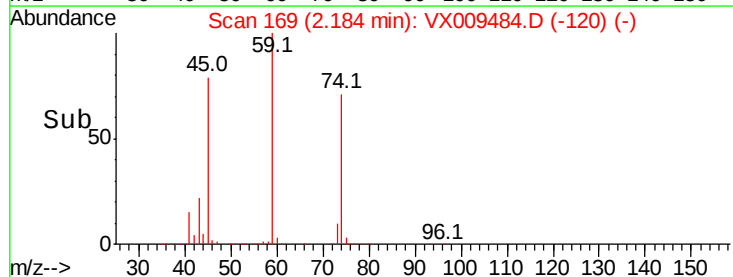
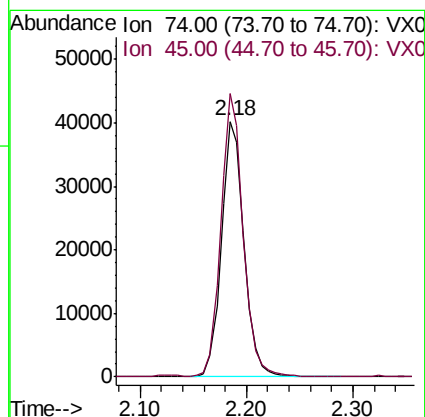
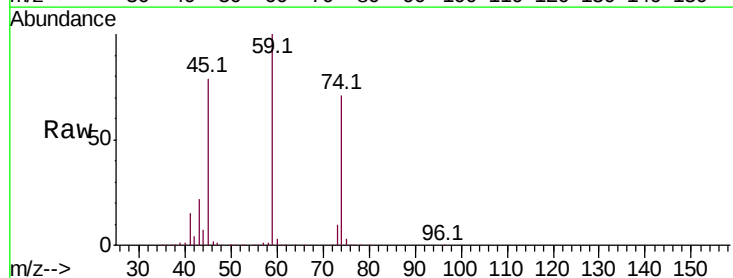
MMDadoda
5/11/2019 11:52:52 AM

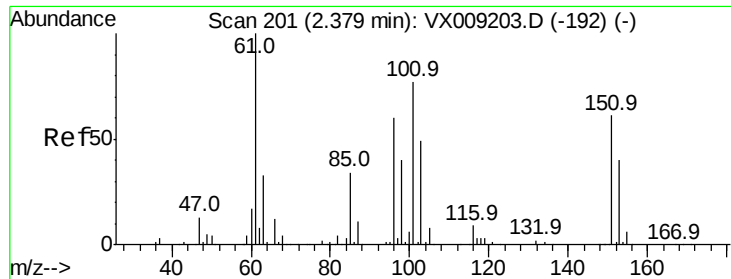


#8

Diethyl Ether
Concen: 48.703 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 74 Resp: 59154
Ion Ratio Lower Upper
74 100
45 109.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.869 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

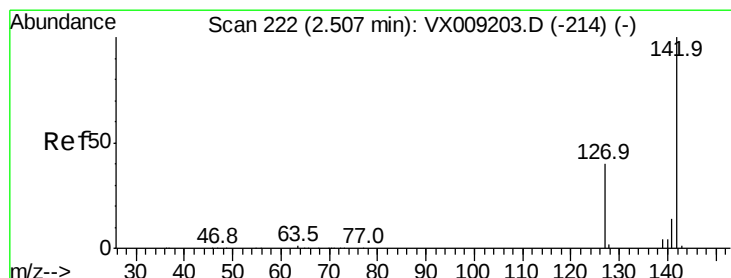
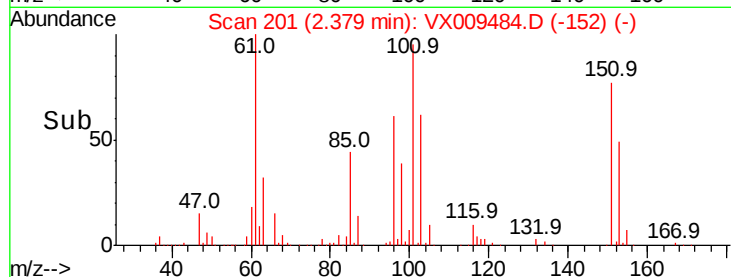
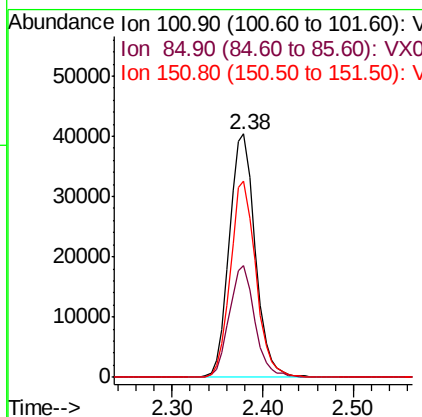
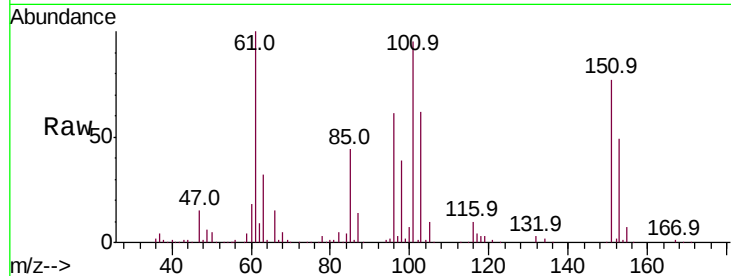
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	80299
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.7	53.5
151	79.5	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#10

Methyl Iodide

Concen: 48.198 ug/l

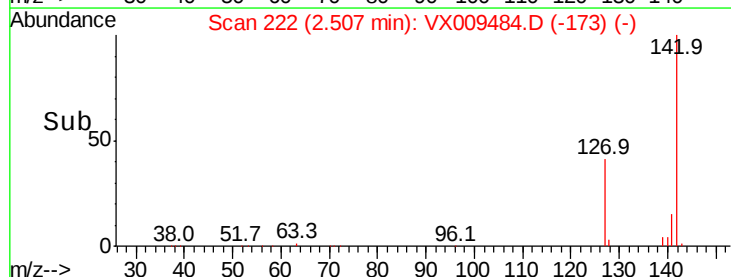
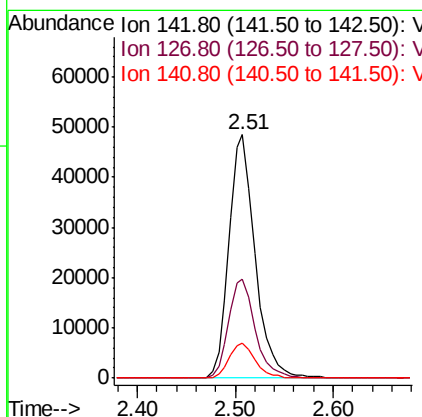
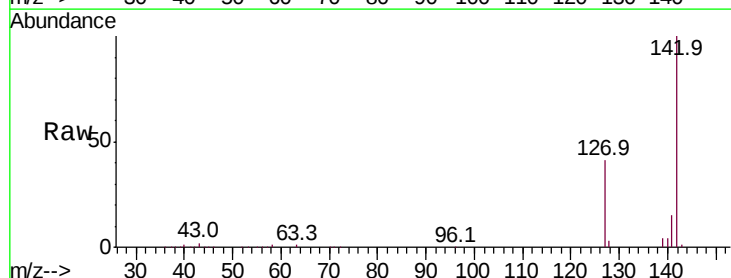
RT: 2.51 min Scan# 222

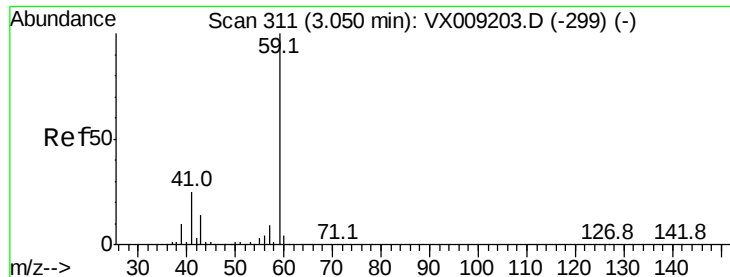
Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion:	142	Resp:	89832
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.7	49.1
141	14.7	11.5	17.3





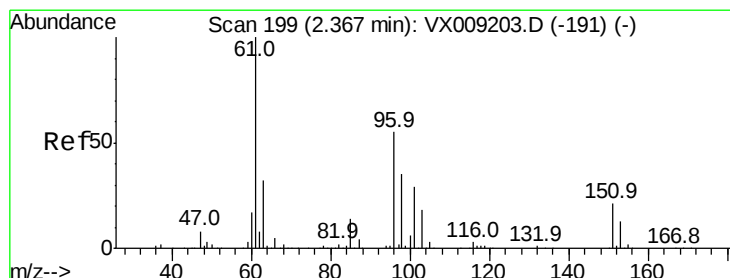
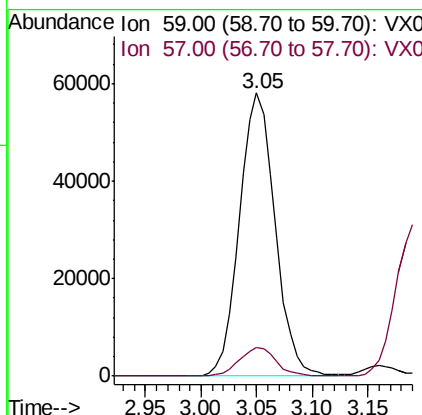
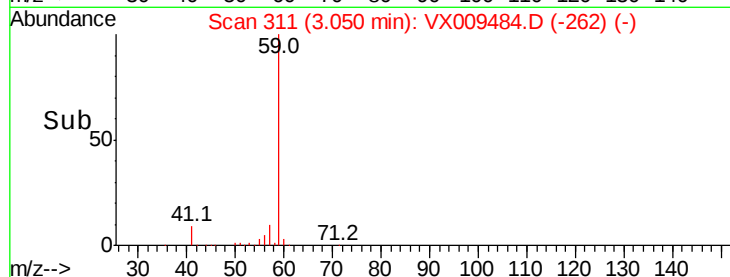
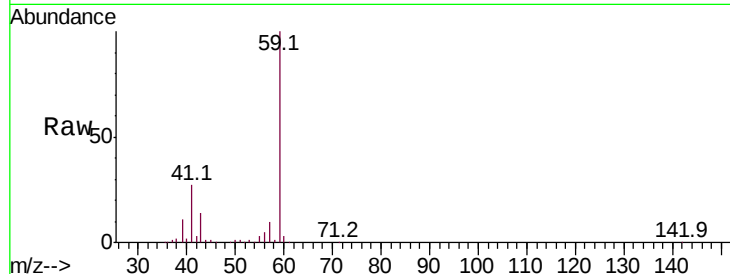
#11
Tert butyl alcohol
Concen: 238.385 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 129523
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

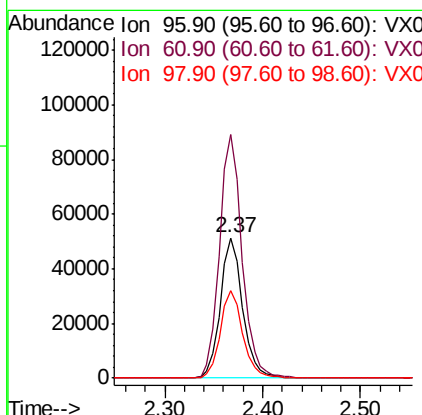
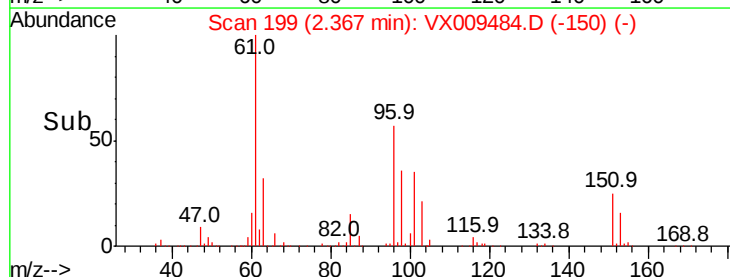
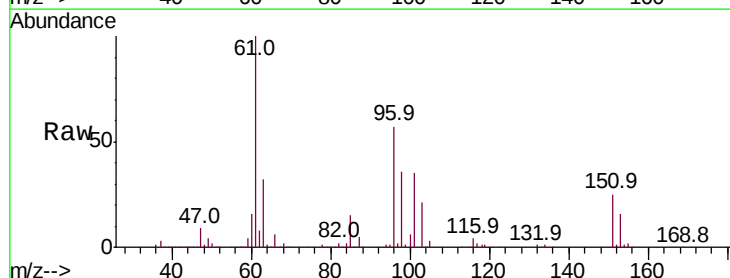
Manual Integrations
APPROVED

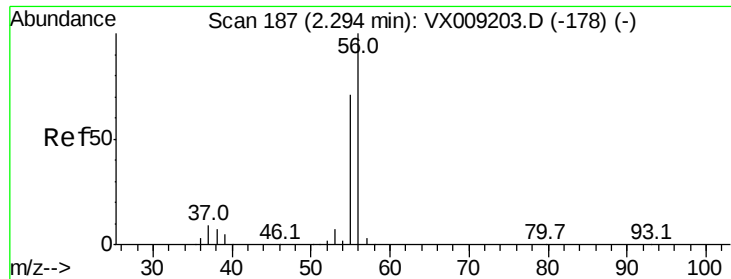
MMDadoda
5/11/2019 11:52:52 AM



#12
1,1-Dichloroethene
Concen: 50.191 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 96 Resp: 80975
Ion Ratio Lower Upper
96 100
61 173.9 144.3 216.5
98 62.6 50.3 75.5





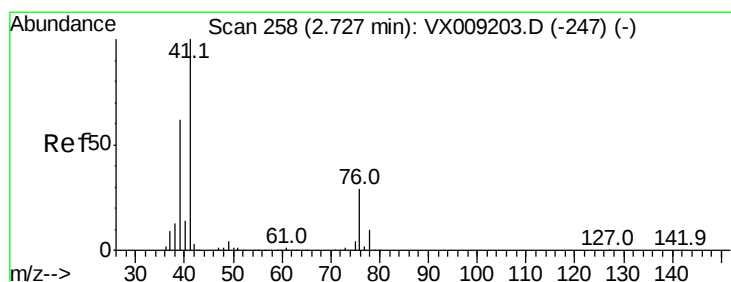
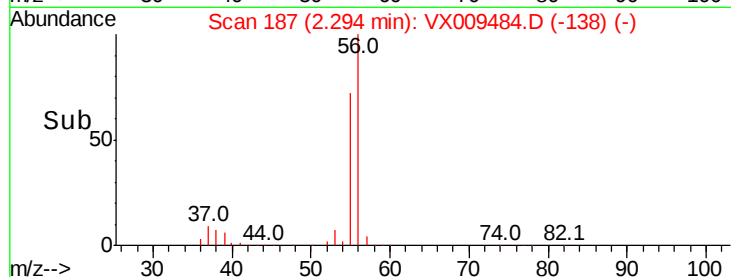
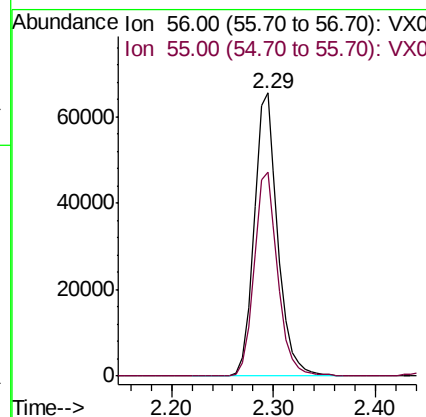
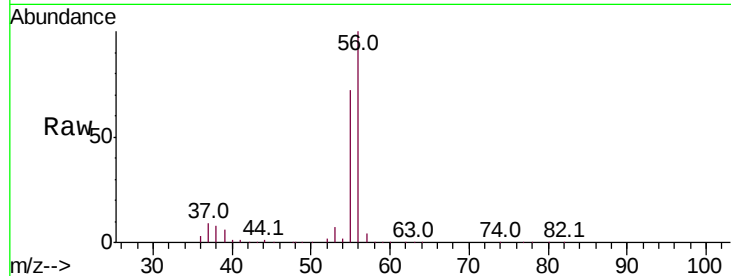
#13
 Acrolein
 Concen: 213.973 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.6	85.0

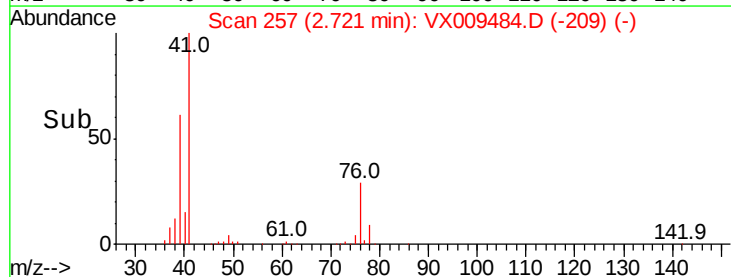
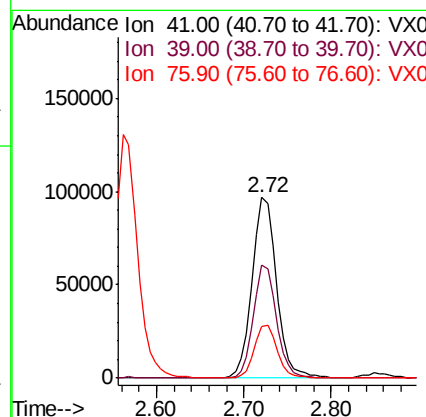
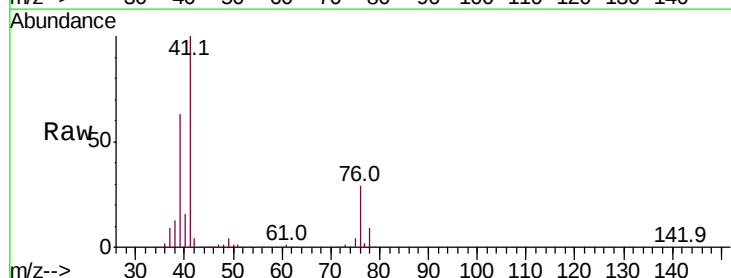
Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:52 AM



#14
 Allyl chloride
 Concen: 47.997 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.1	46.7	70.1
76	27.4	21.8	32.8





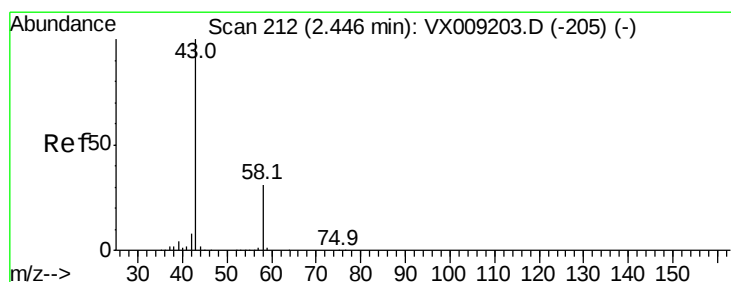
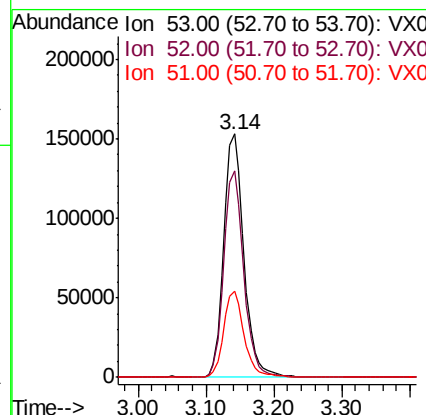
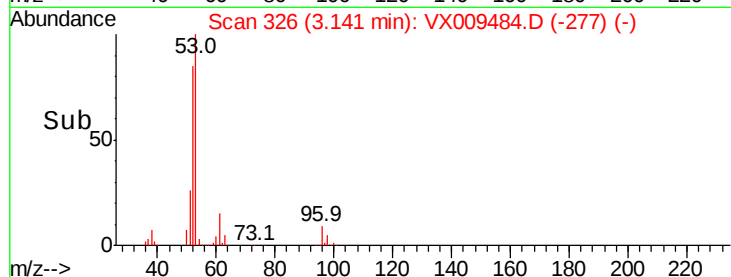
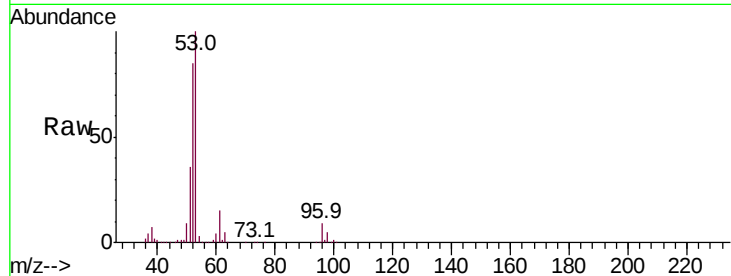
#15
 Acrylonitrile
 Concen: 237.336 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.9	100.3
51	36.1	28.2	42.2

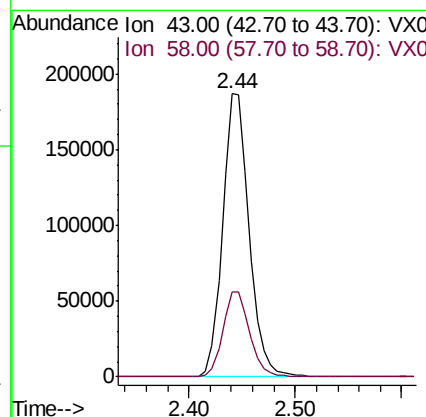
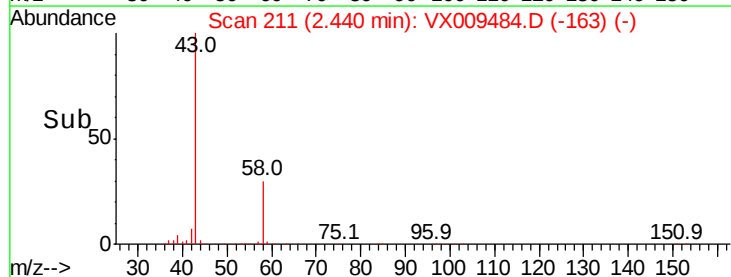
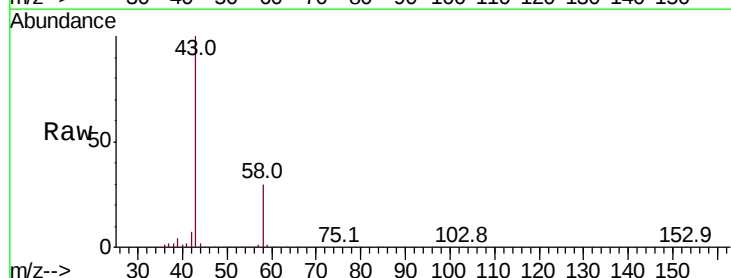
Manual Integrations
 APPROVED

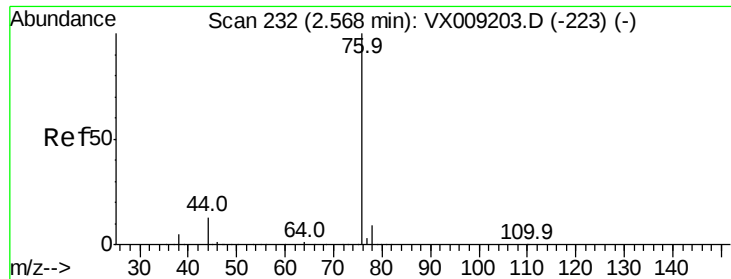
MMDadoda
 5/11/2019 11:52:52 AM



#16
 Acetone
 Concen: 255.216 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3





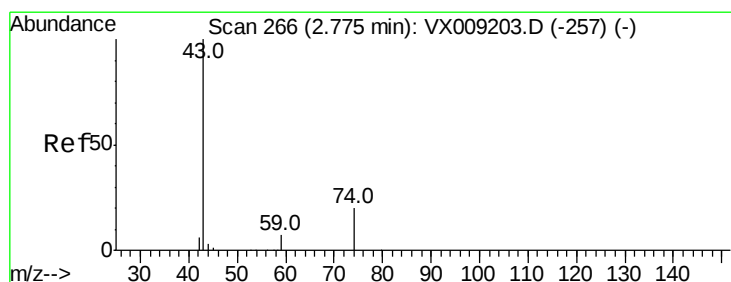
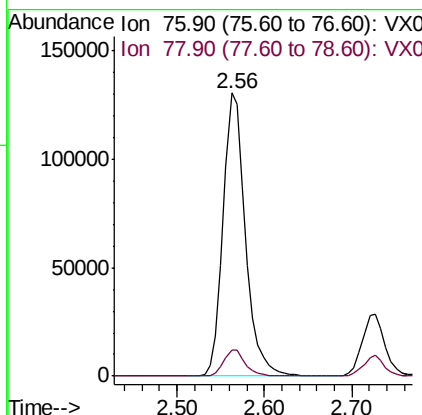
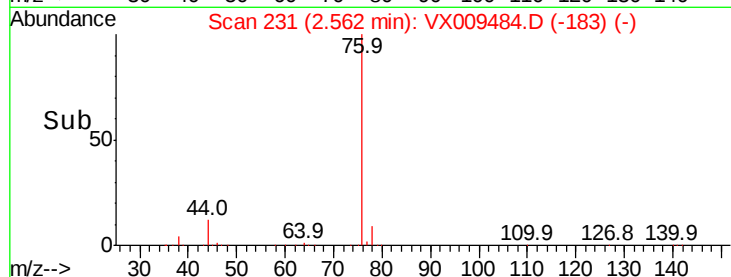
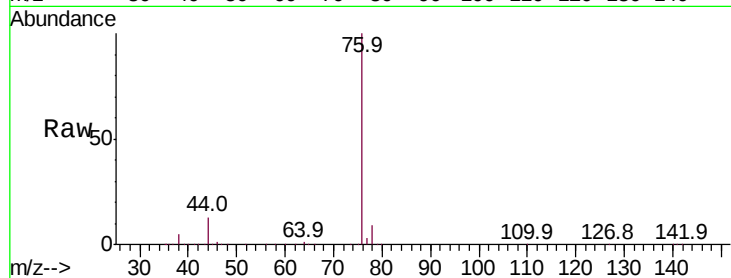
#17
Carbon Disulfide
Concen: 50.901 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

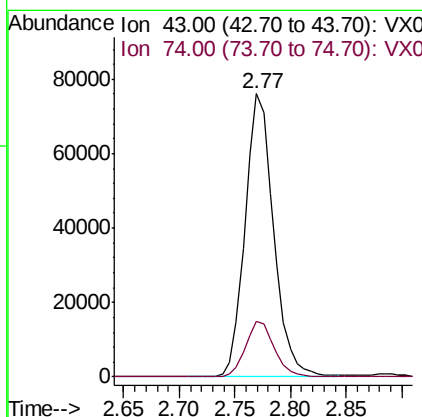
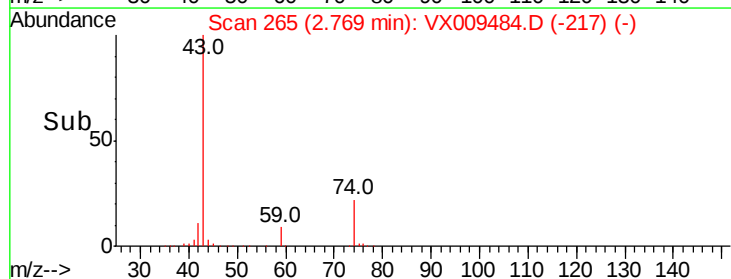
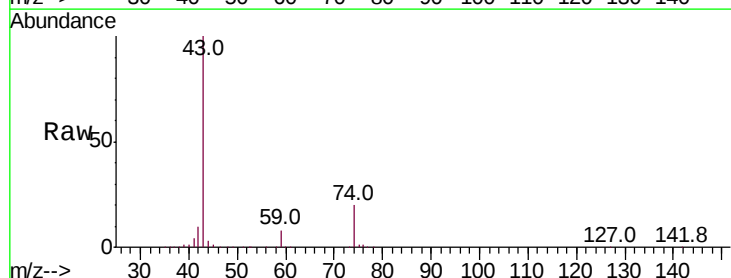
Manual Integrations
APPROVED

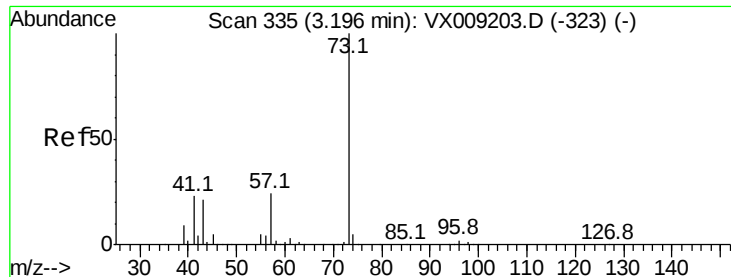
MMDadoda
5/11/2019 11:52:52 AM



#18
Methyl Acetate
Concen: 45.225 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.2	24.4





#19

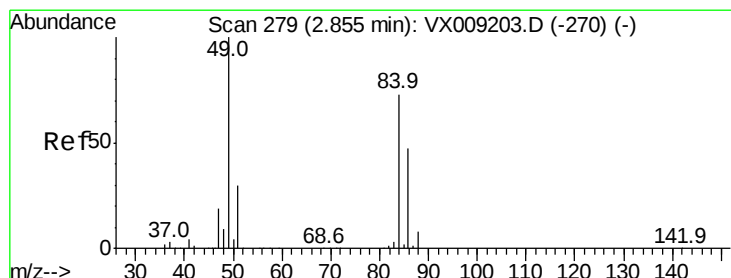
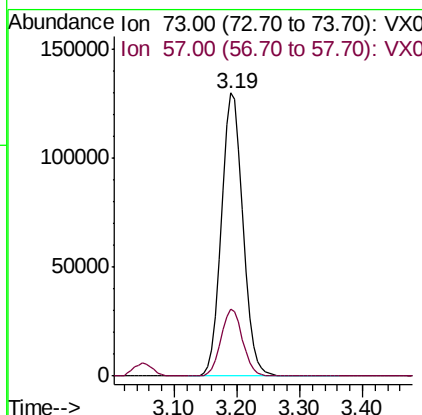
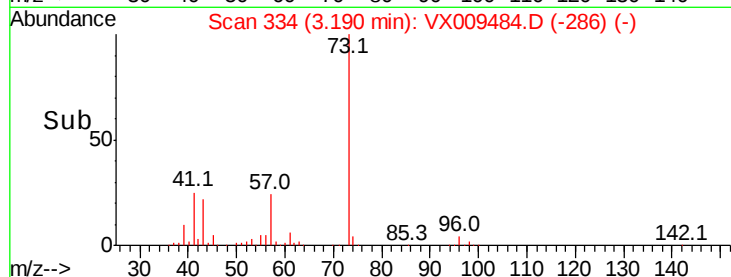
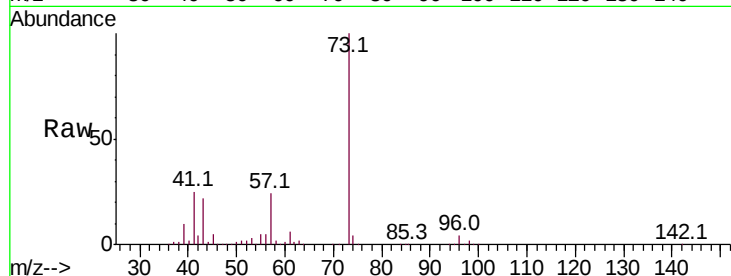
Methyl tert-butyl Ether
 Concen: 49.149 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

Manual Integrations
 APPROVED

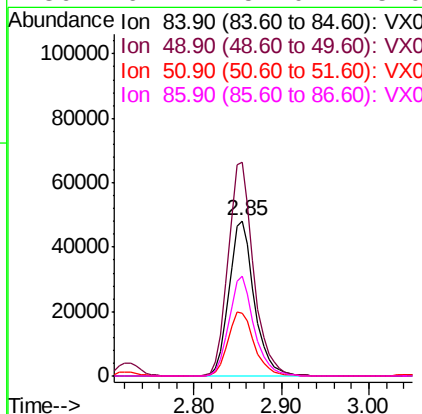
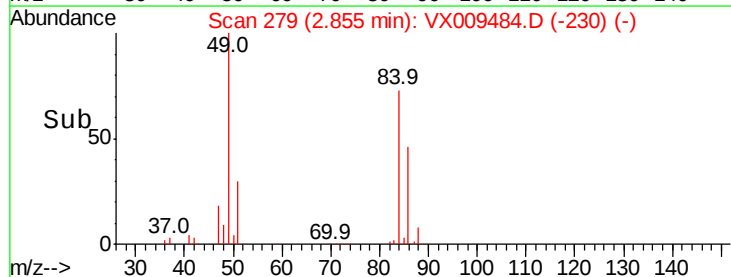
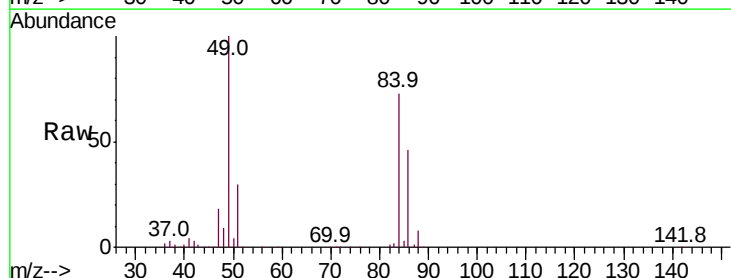
MMDadoda
 5/11/2019 11:52:52 AM

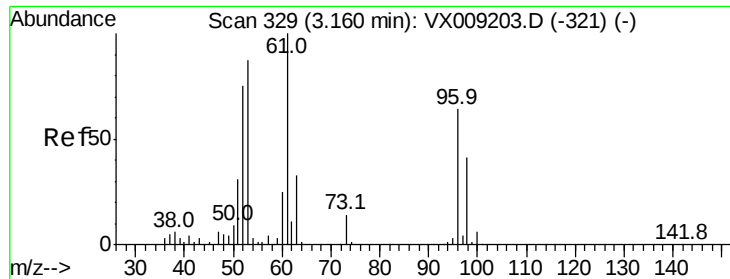


#20

Methylene Chloride
 Concen: 47.410 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	109.9	164.9
51	40.8	32.7	49.1
86	64.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 50.012 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 87505

Ion Ratio Lower Upper

96 100

61 158.1 124.5 186.7

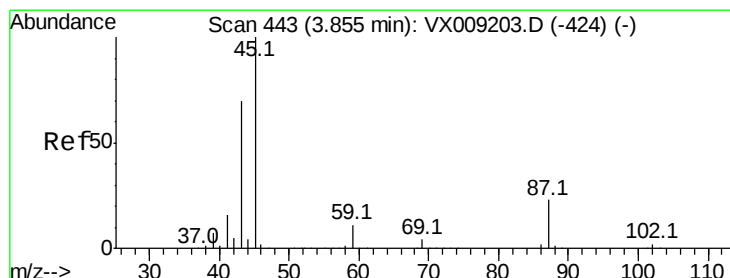
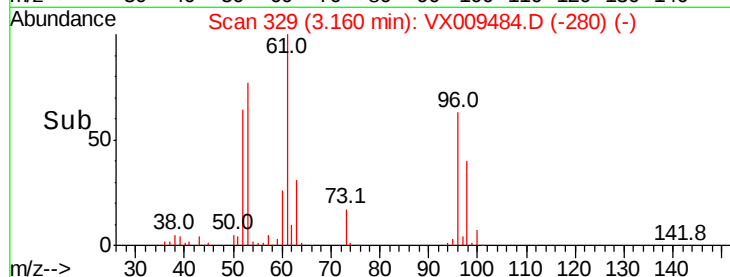
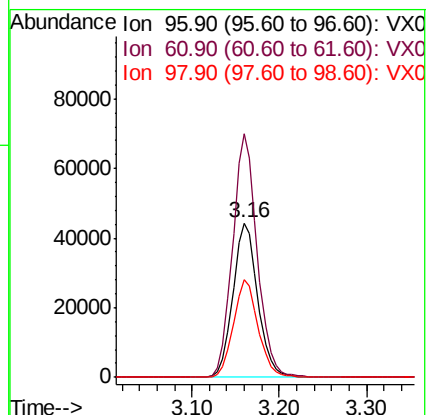
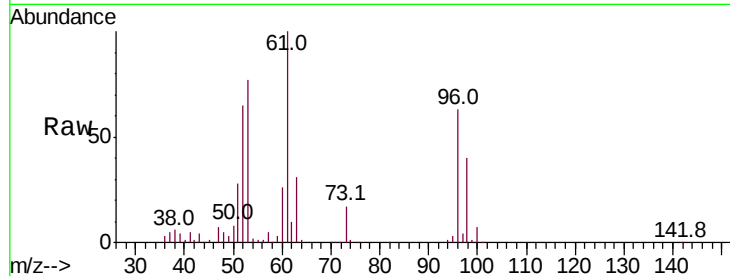
98 63.8 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#22

Diisopropyl ether

Concen: 49.027 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion: 45 Resp: 370702

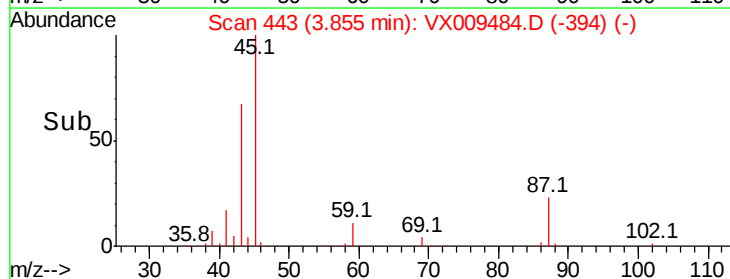
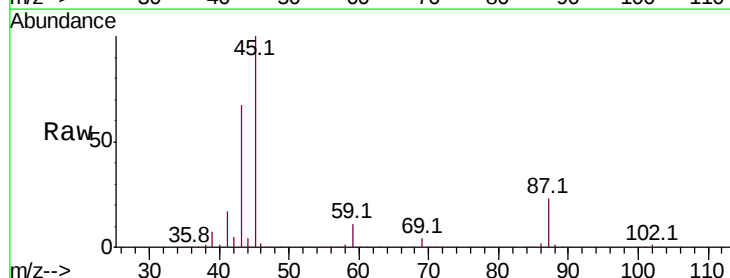
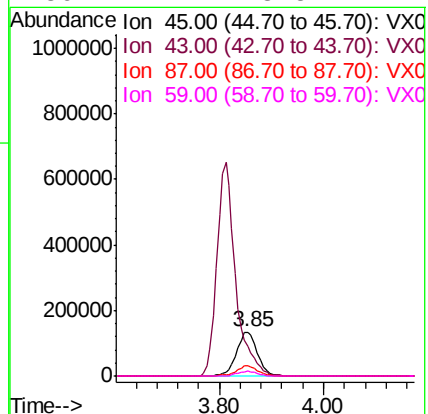
Ion Ratio Lower Upper

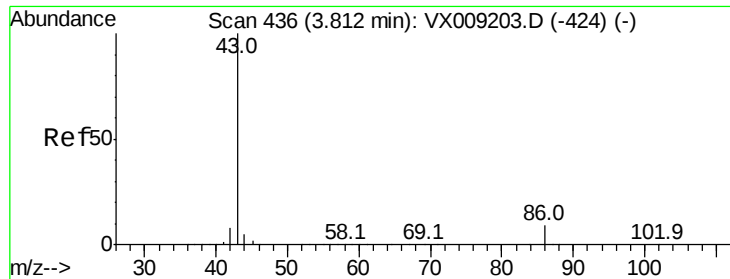
45 100

43 66.8 56.1 84.1

87 23.0 18.1 27.1

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 256.754 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1662415

Ion Ratio Lower Upper

43 100

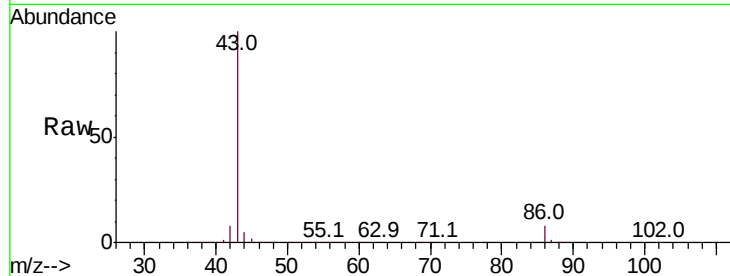
86 8.5 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

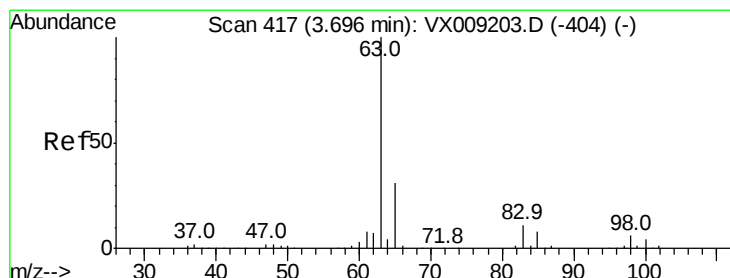
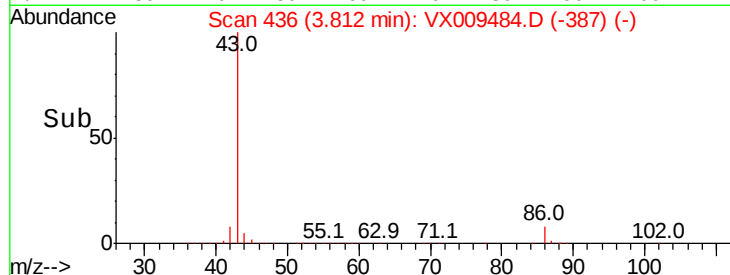
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.236 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

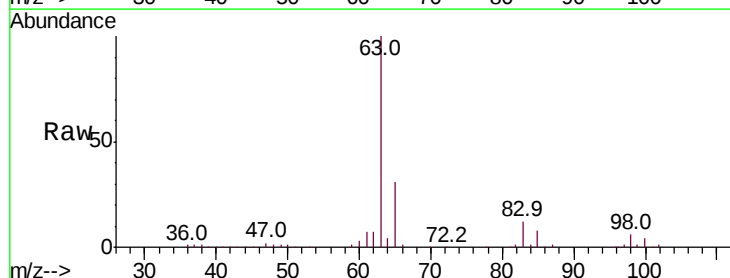
Tgt Ion: 63 Resp: 179920

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

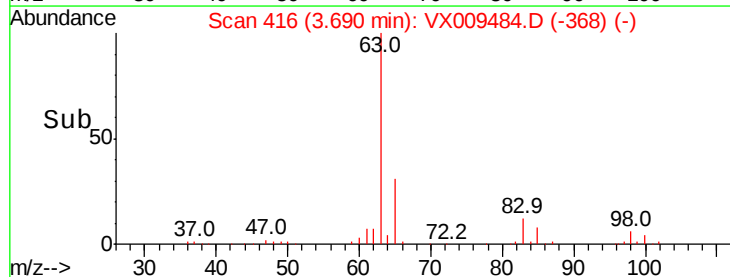
60000

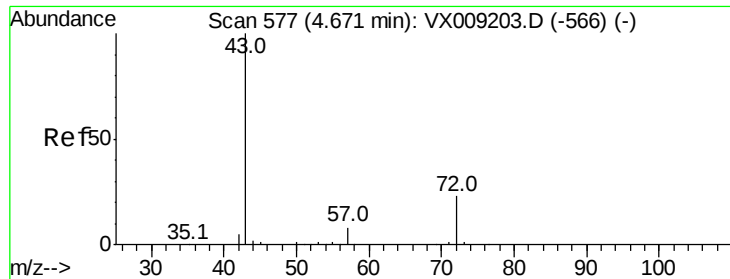
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 247.243 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 484253

Ion Ratio Lower Upper

43 100

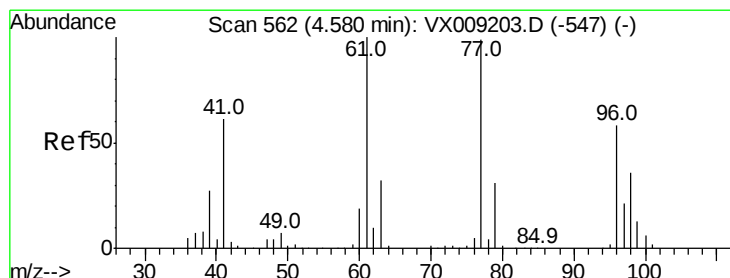
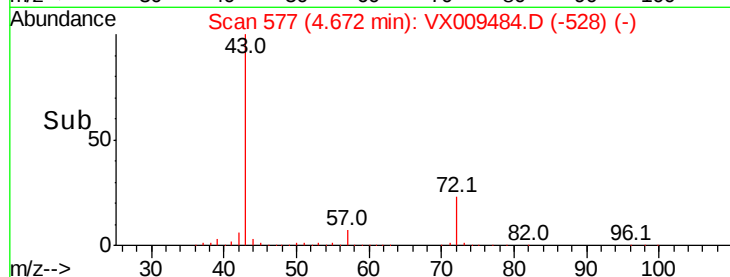
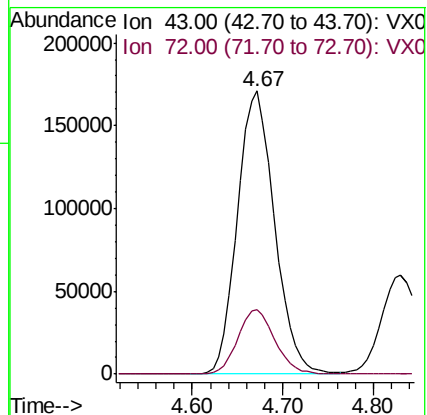
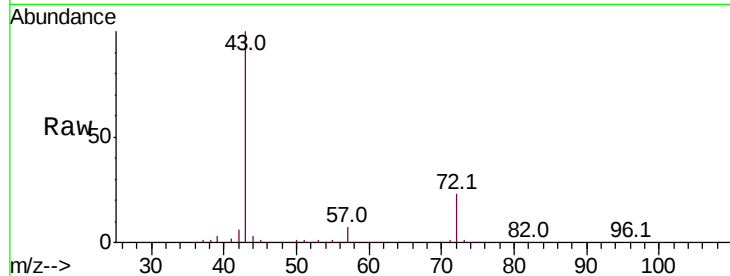
72 22.8 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#26

2,2-Dichloropropane

Concen: 49.236 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009484.D

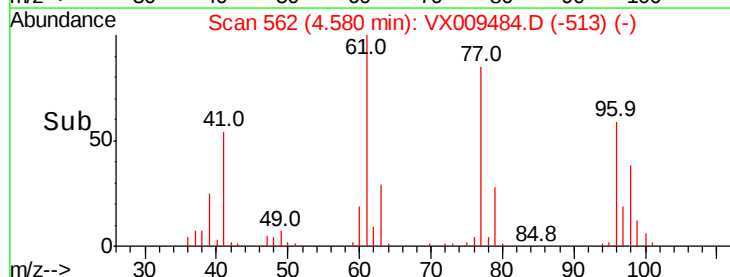
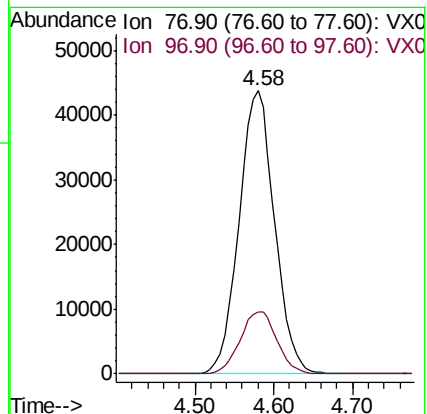
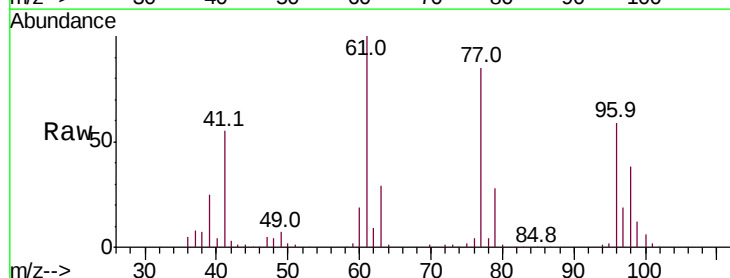
Acq: 10 May 2019 16:05

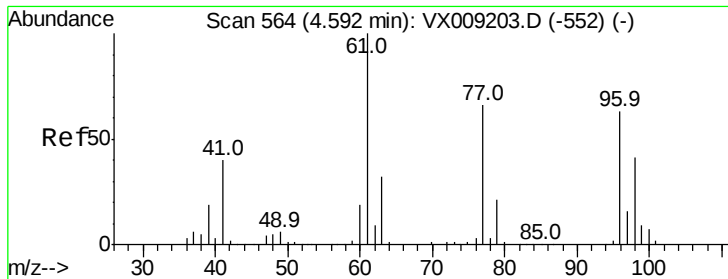
Tgt Ion: 77 Resp: 136699

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

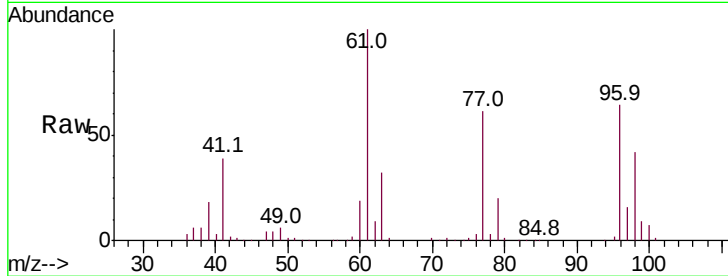
cis-1,2-Dichloroethene
 Concen: 48.577 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

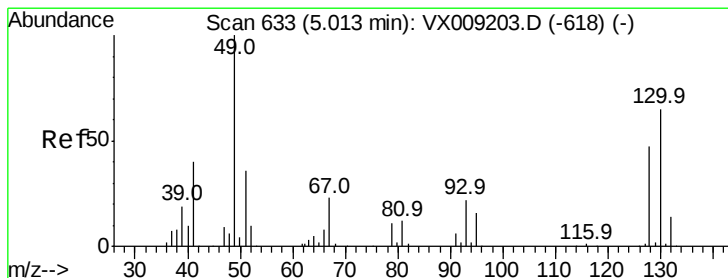
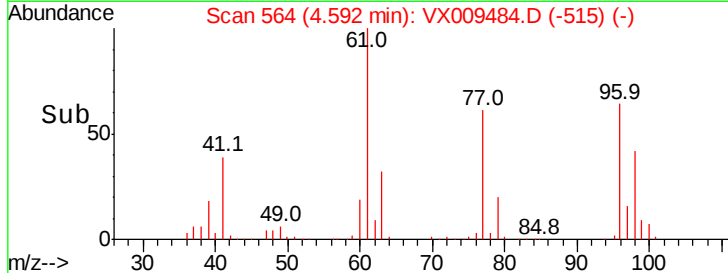
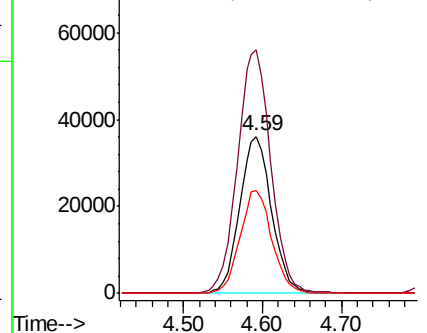
Tot Ion	Ratio	Resp	Lower	Upper
96	100	101451		
61	162.1	0.0	324.0	
98	65.5	0.0	130.4	

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:52 AM



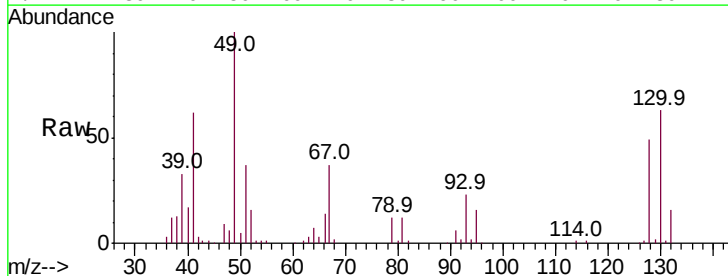
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



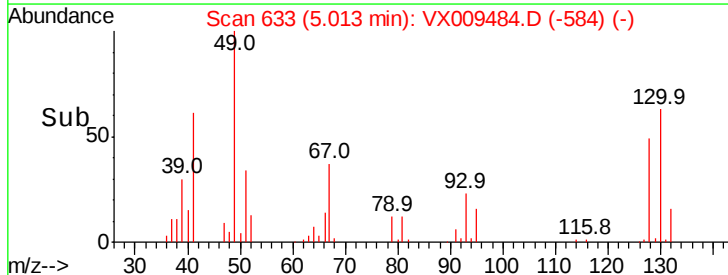
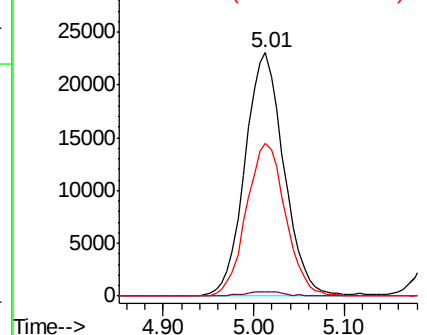
#28

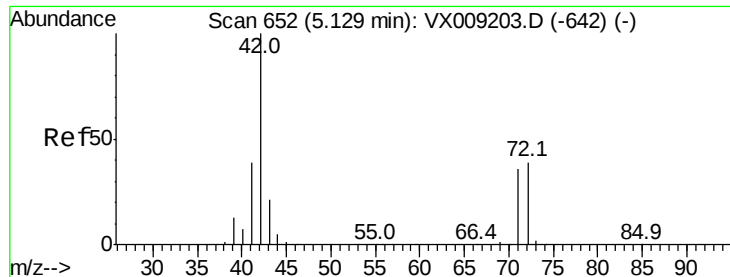
Bromochloromethane
 Concen: 45.459 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68631		
129	1.7	0.0	3.8	
130	63.1	51.2	76.8	



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 245.355 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

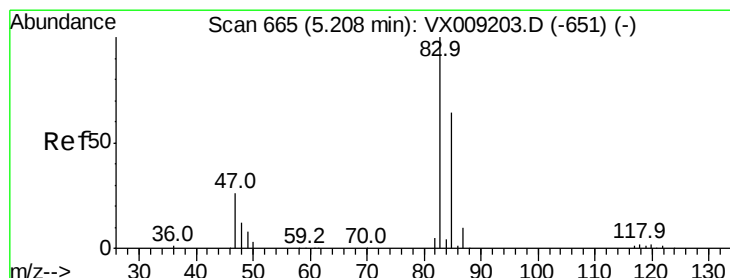
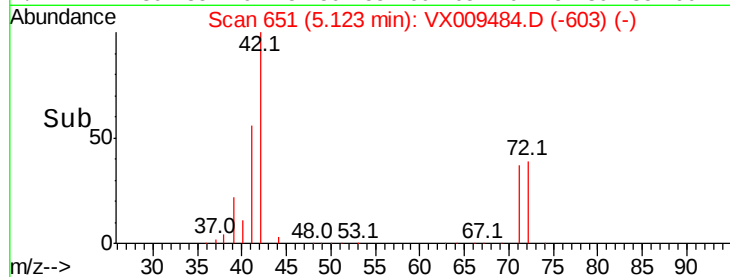
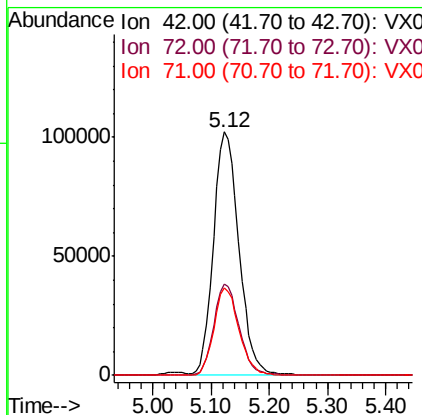
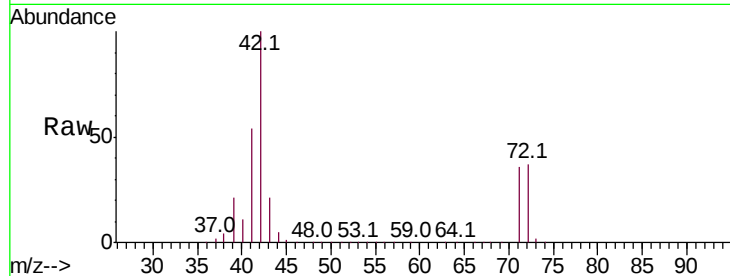
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.3	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#30

Chloroform

Concen: 49.811 ug/l

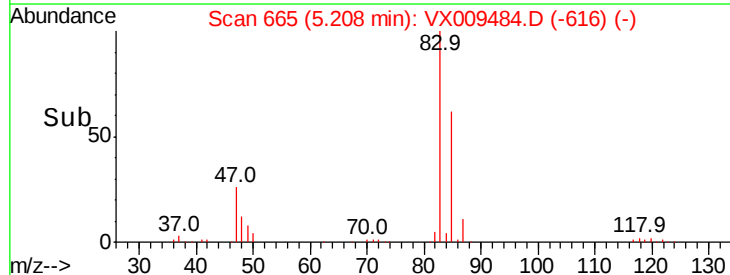
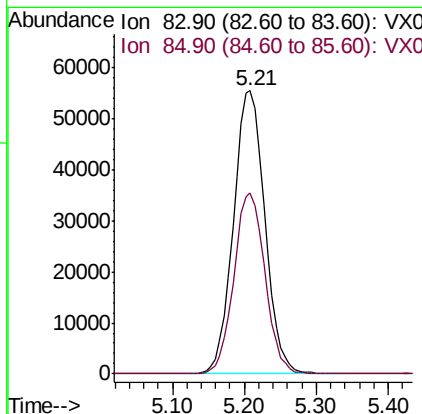
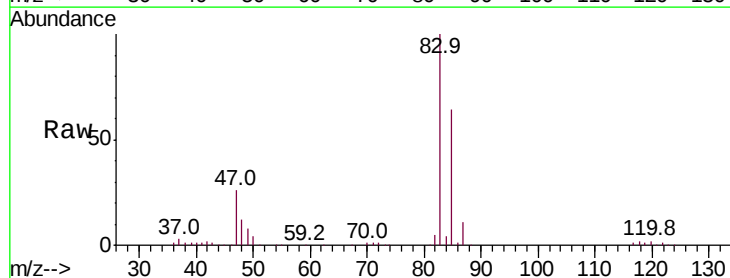
RT: 5.21 min Scan# 665

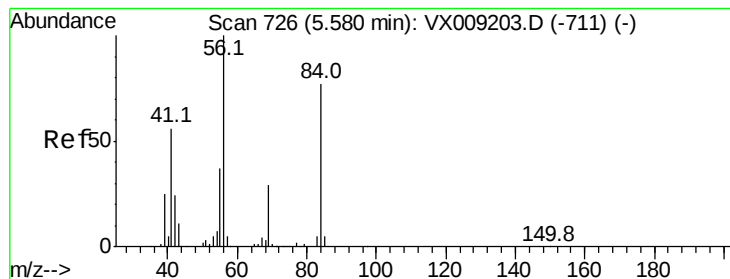
Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3





#31

Cyclohexane

Concen: 51.457 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

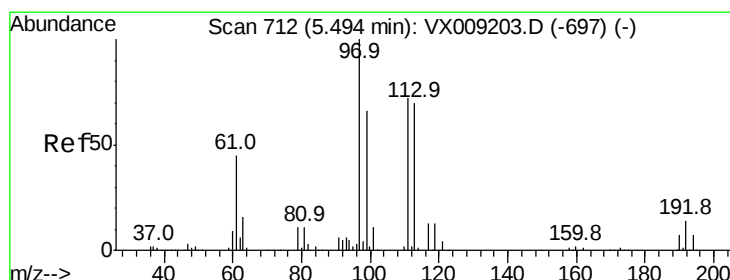
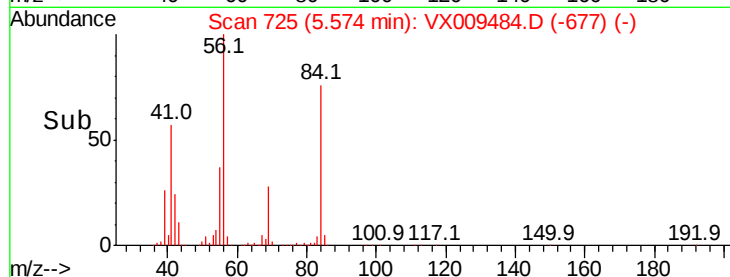
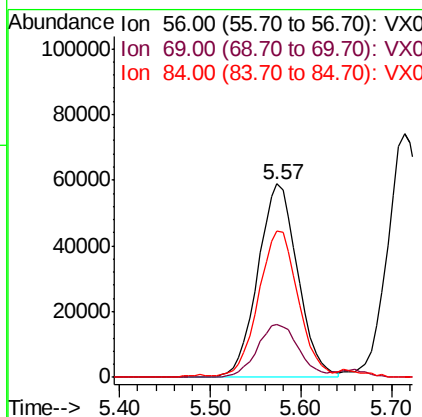
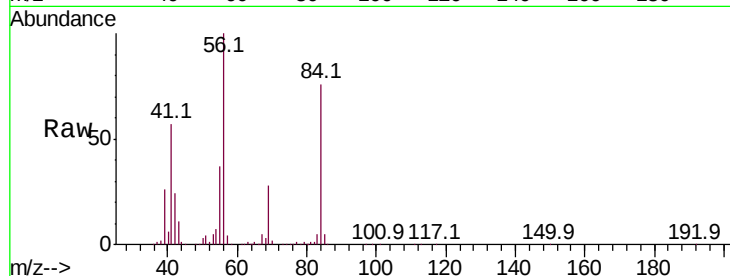
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	178571
Ion Ratio	Lower	Upper	
56	100		
69	27.5	23.4	35.0
84	74.6	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#32

1,1,1-Trichloroethane

Concen: 49.386 ug/l

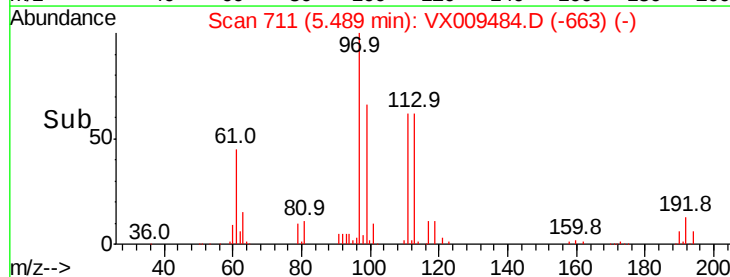
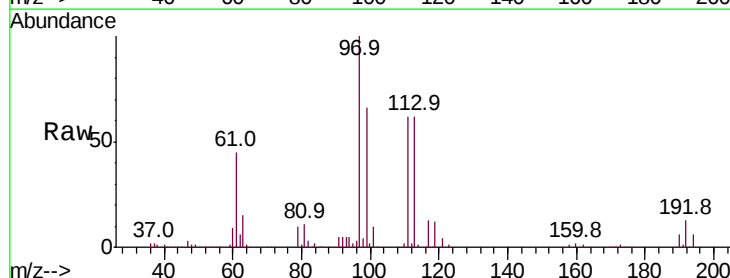
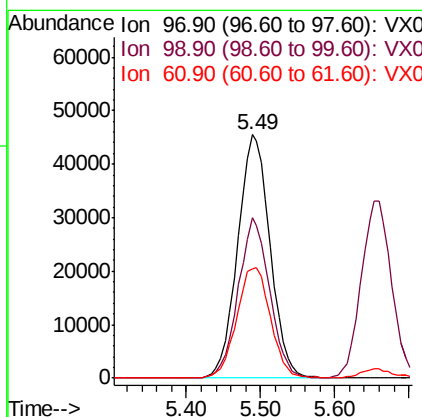
RT: 5.49 min Scan# 711

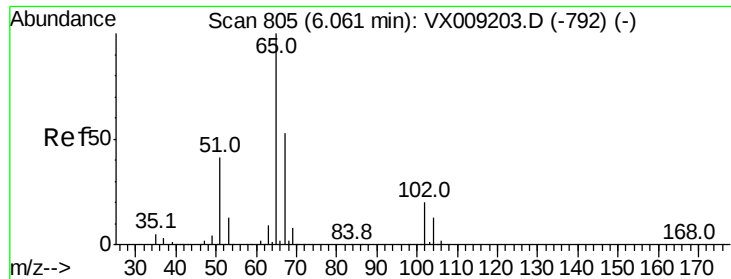
Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion:	97	Resp:	138694
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.8
61	47.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 47.412 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 111289

Ion Ratio Lower Upper

65 100

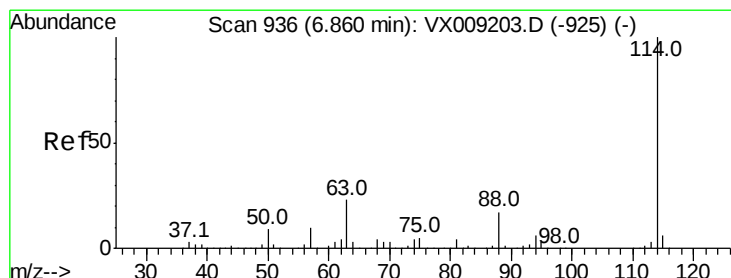
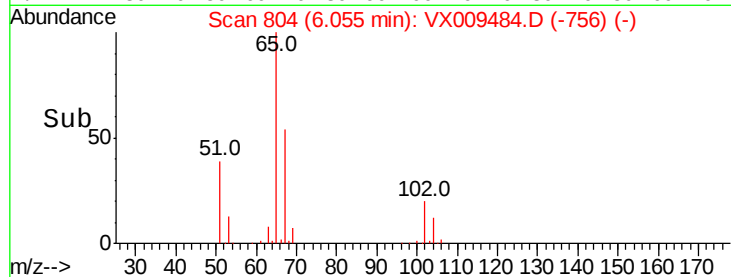
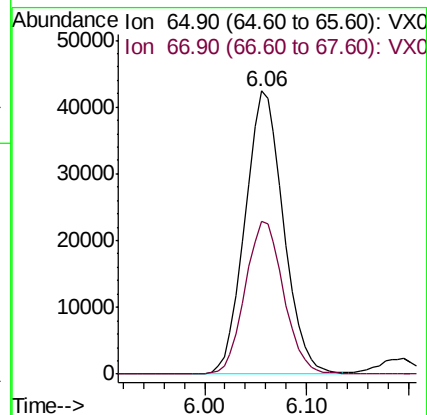
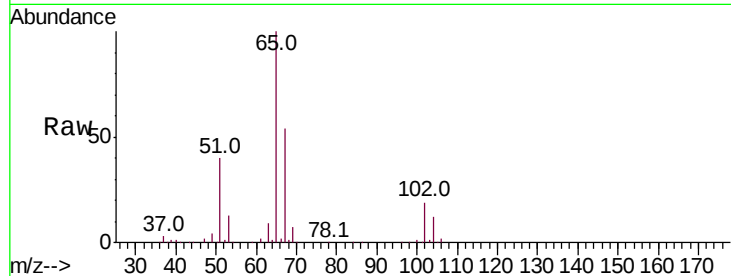
67 54.1 0.0 106.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

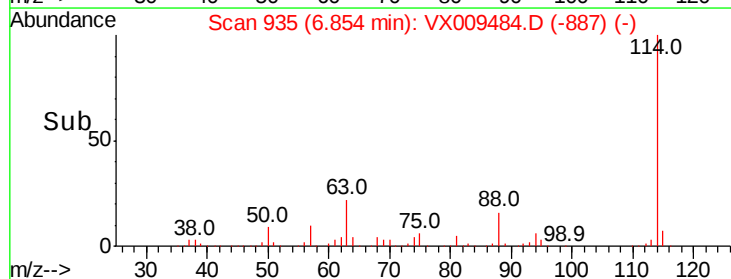
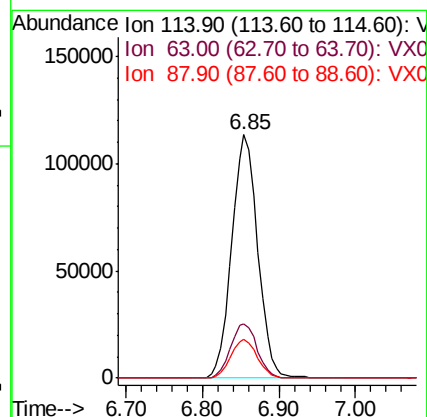
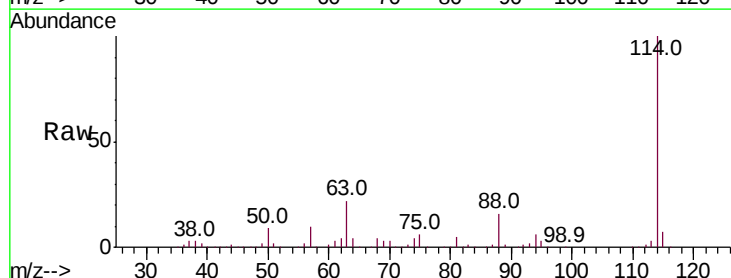
Tgt Ion: 114 Resp: 266636

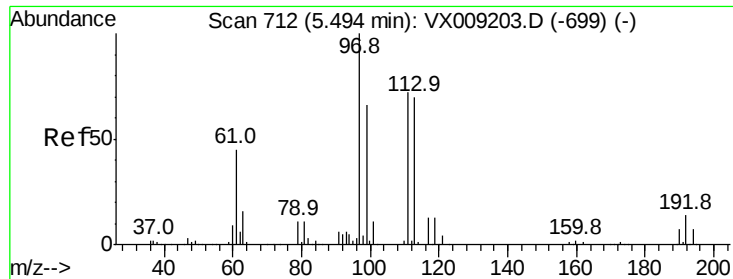
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.144 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

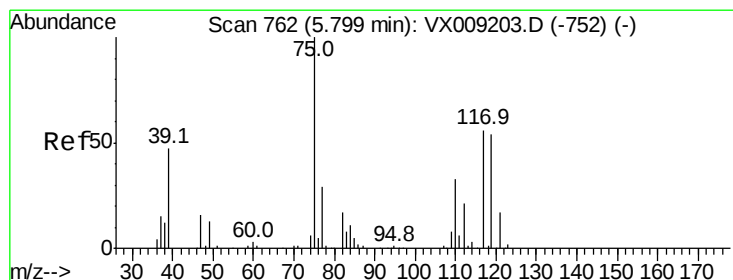
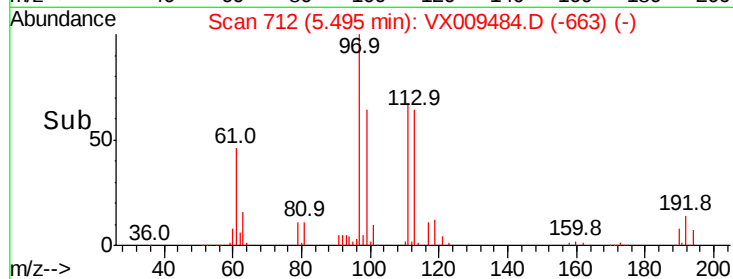
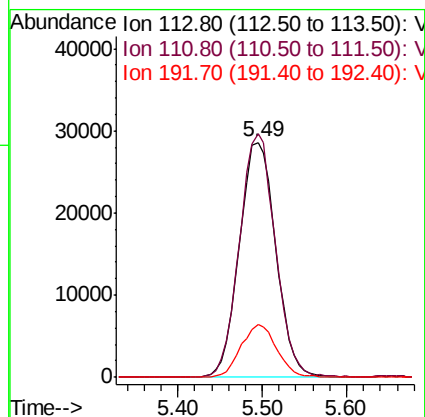
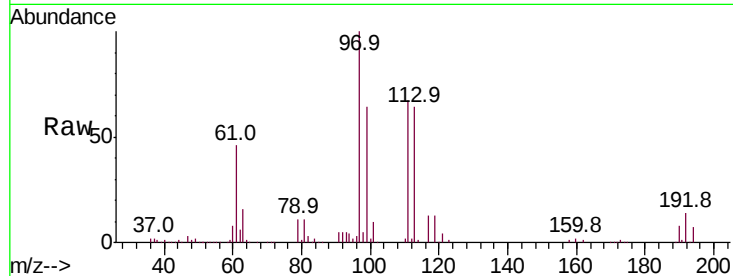
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#36

1,1-Dichloropropene

Concen: 52.474 ug/l

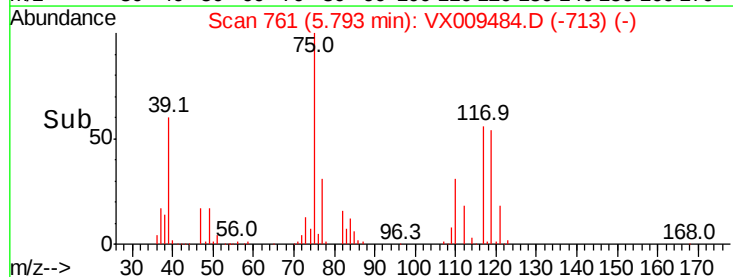
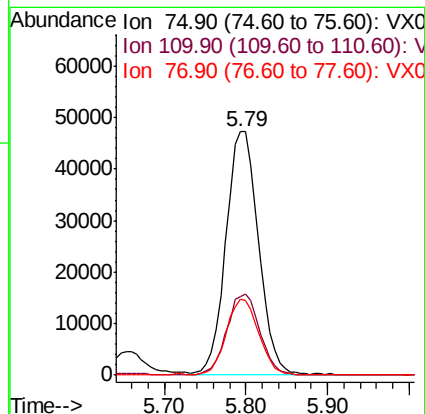
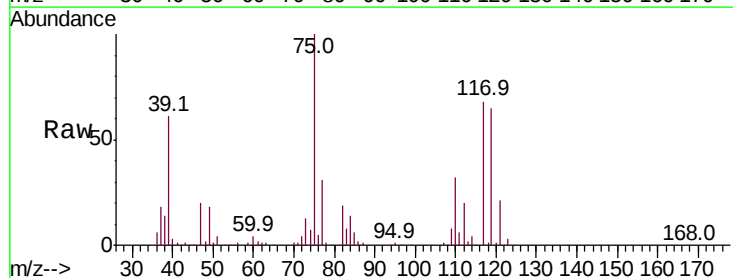
RT: 5.79 min Scan# 761

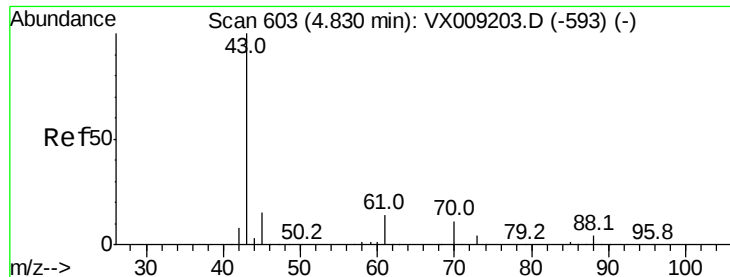
Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.2	24.8	37.2





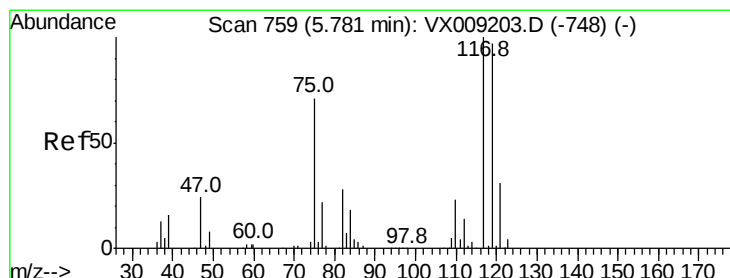
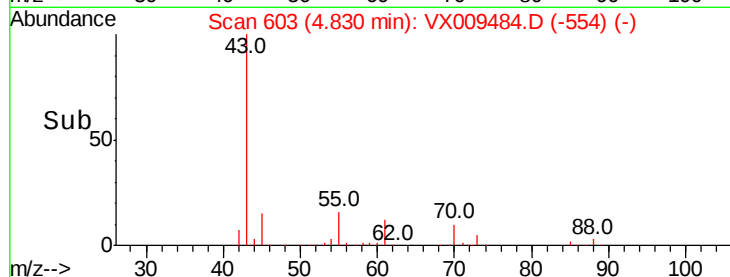
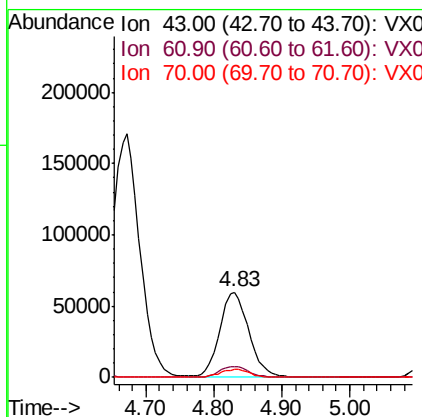
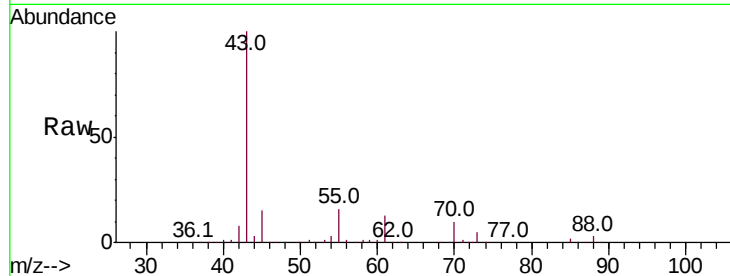
#37
Ethyl Acetate
Concen: 51.574 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	178056
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.4	7.9	11.9

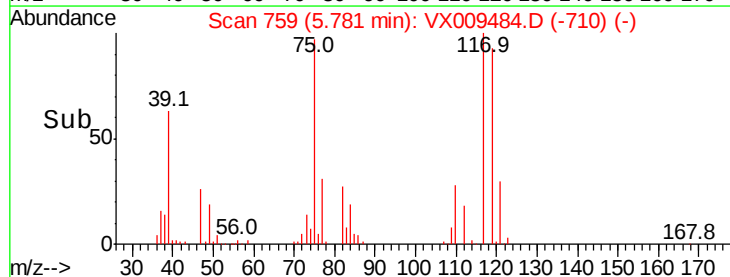
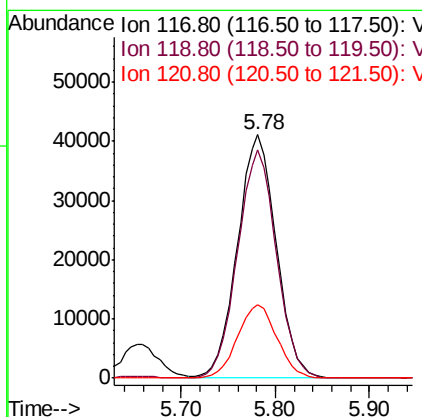
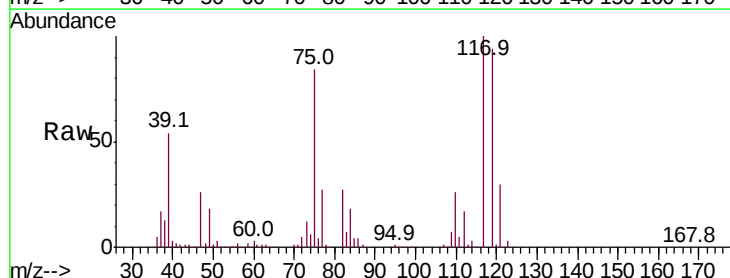
Manual Integrations
APPROVED

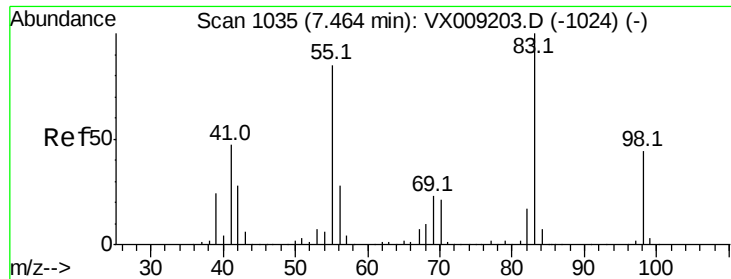
MMDadoda
5/11/2019 11:52:52 AM



#38
Carbon Tetrachloride
Concen: 52.409 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	117	Resp	117989
Ion Ratio	100	Lower	Upper
117	100		
119	94.1	77.5	116.3
121	30.2	24.7	37.1





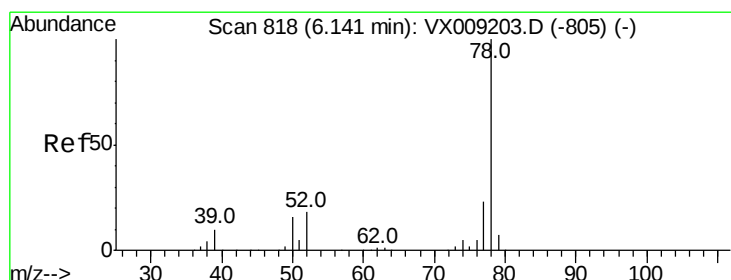
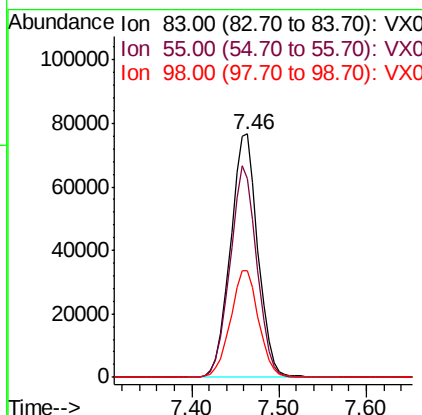
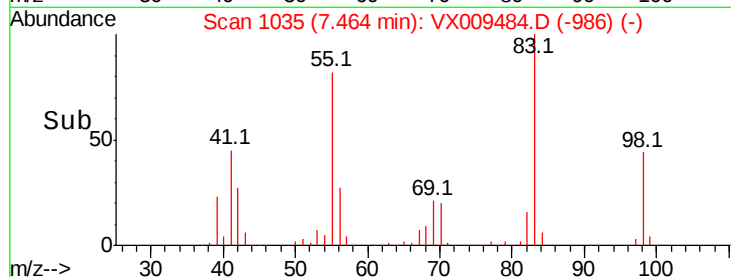
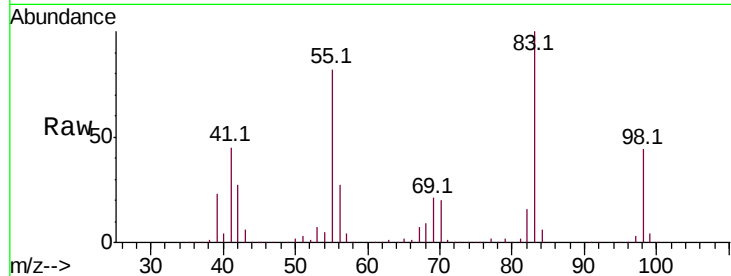
#39
Methvlcvclohexane
Concen: 54.891 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	67.7	101.5
98	43.8	35.5	53.3

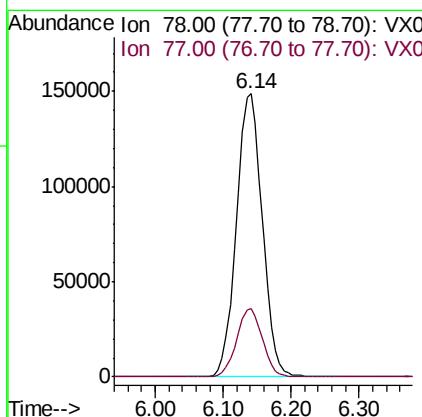
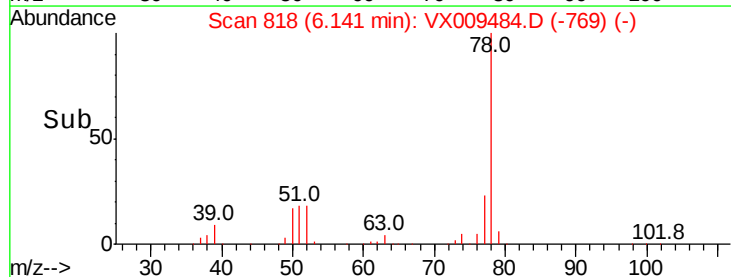
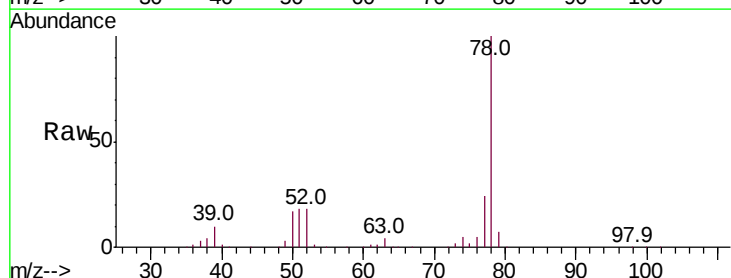
Manual Integrations
APPROVED

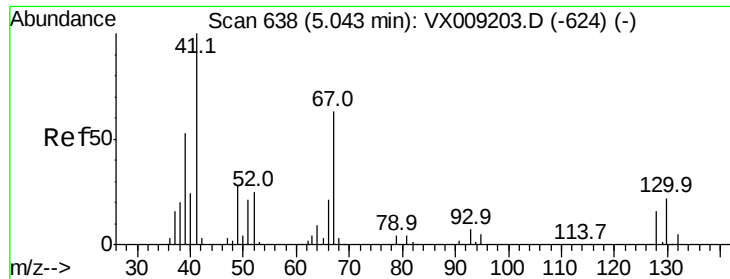
MMDadoda
5/11/2019 11:52:52 AM



#40
Benzene
Concen: 51.311 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





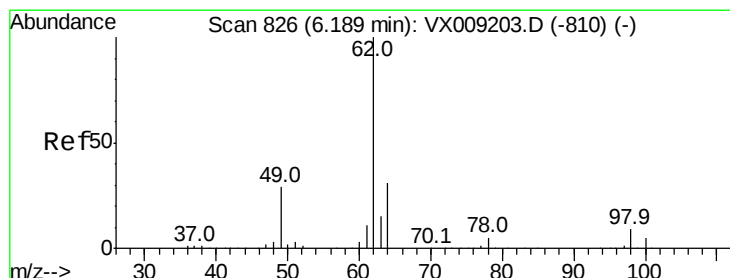
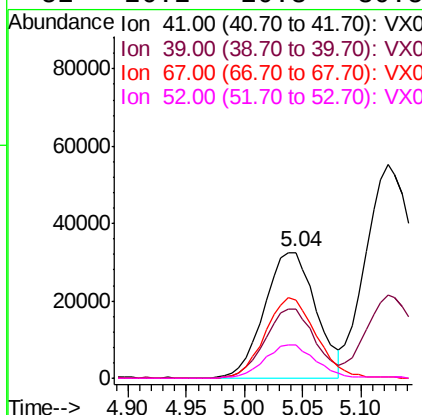
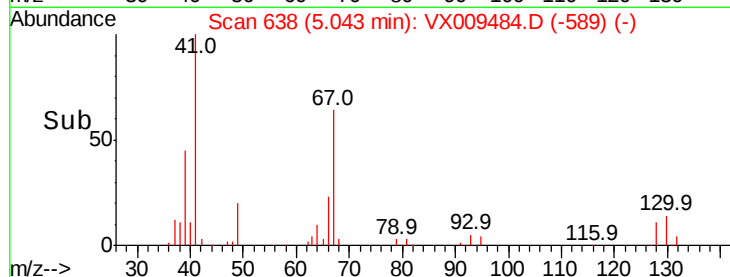
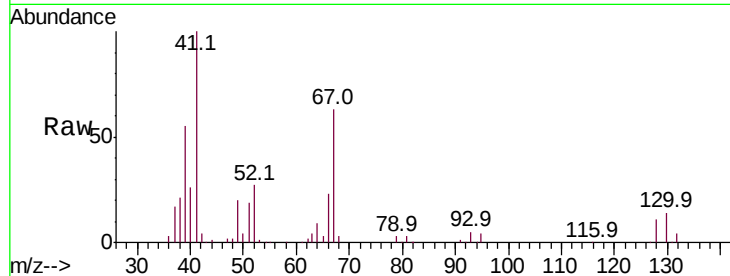
#41
Methacrylonitrile
Concen: 48.509 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.0	63.0	
67	63.5	49.8	74.8	
52	26.2	20.3	30.5	

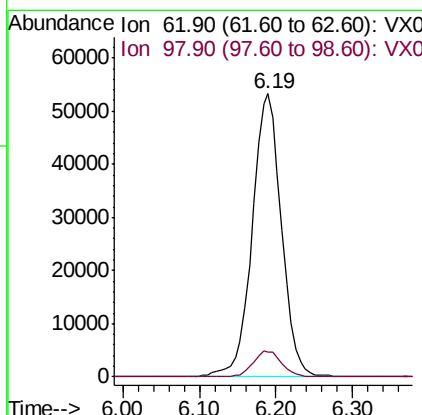
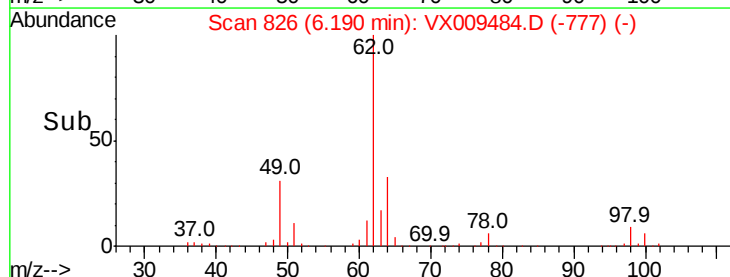
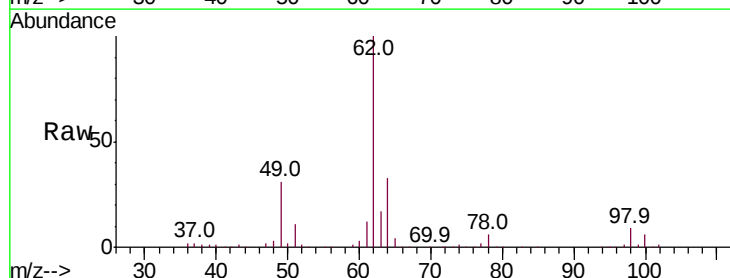
Manual Integrations
APPROVED

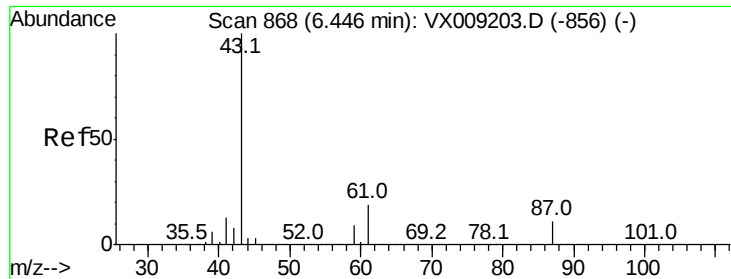
MMDadoda
5/11/2019 11:52:52 AM



#42
1,2-Dichloroethane
Concen: 51.573 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.2	





#43

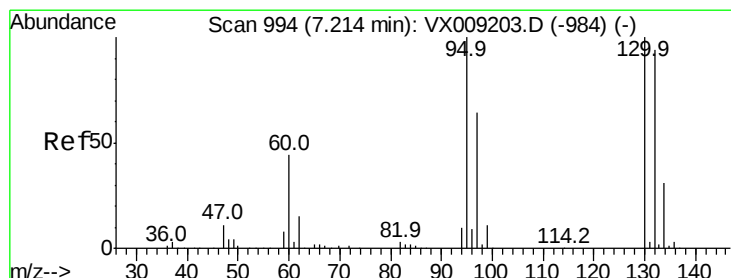
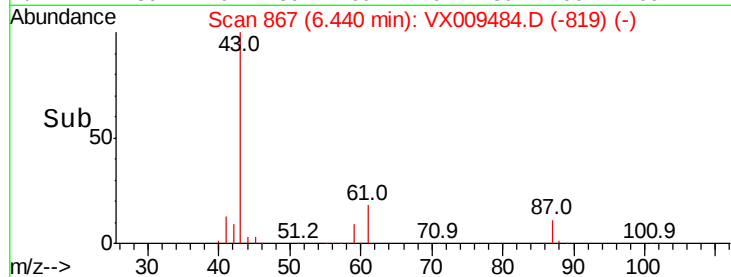
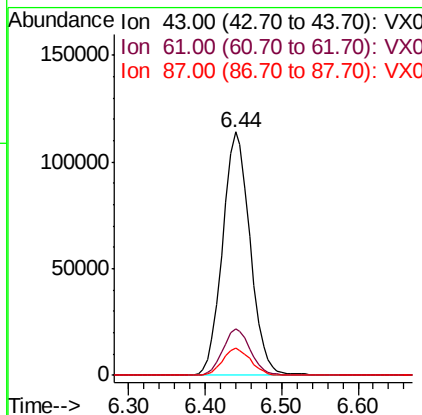
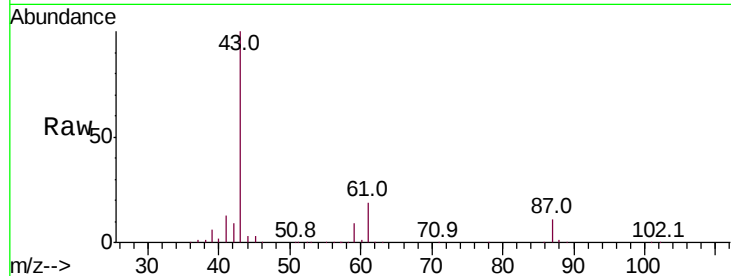
Isopropyl Acetate
 Concen: 51.307 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
 APPROVED

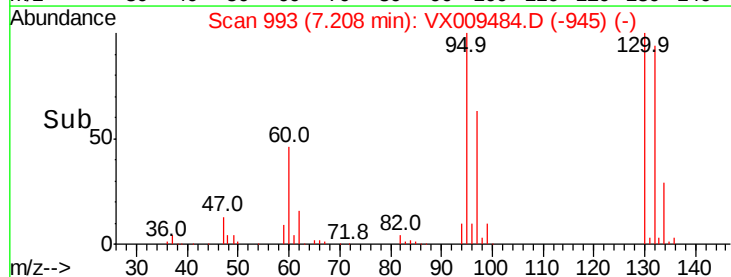
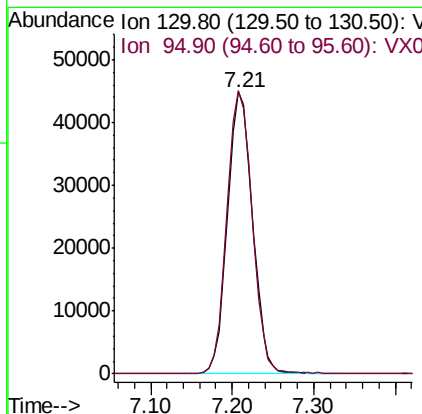
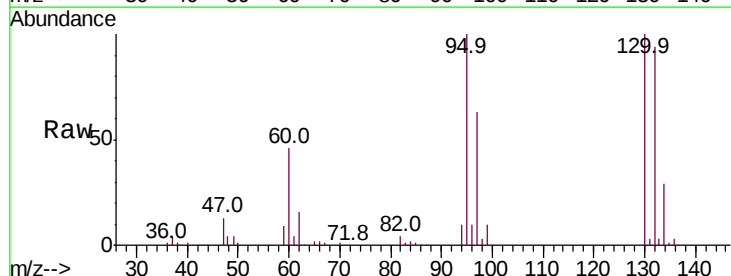
MMDadoda
 5/11/2019 11:52:52 AM

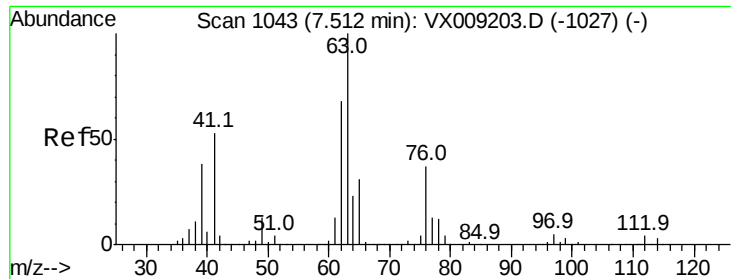


#44

Trichloroethene
 Concen: 51.332 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 50.886 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 110496

Ion Ratio Lower Upper

63 100

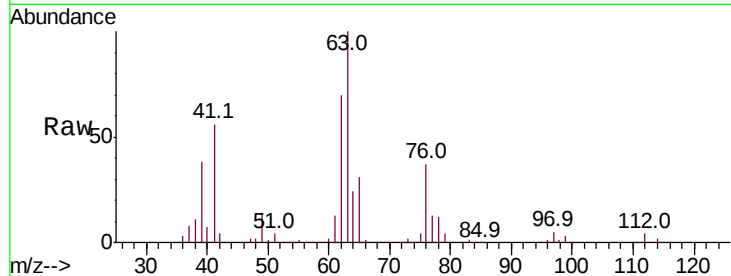
65 31.0 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

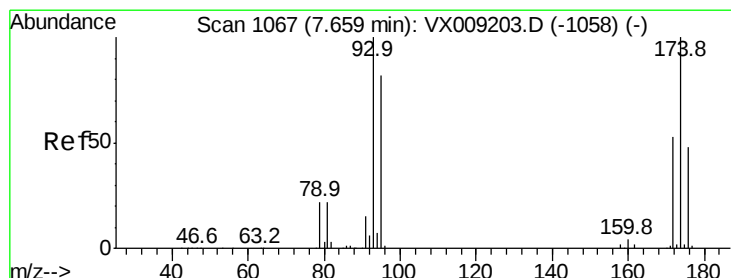
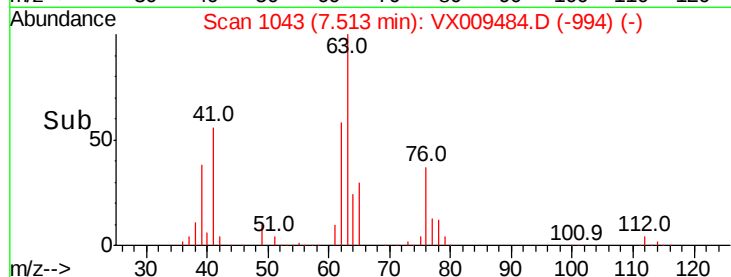
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 51.015 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

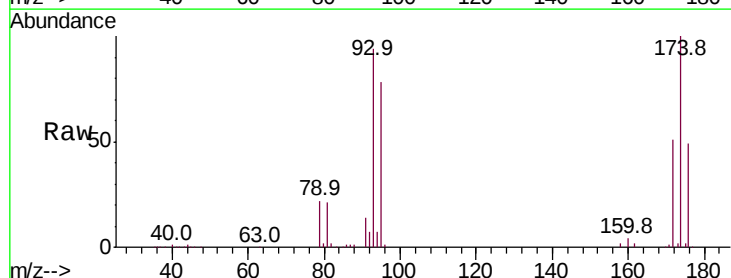
Tgt Ion: 93 Resp: 64329

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

174 105.0 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

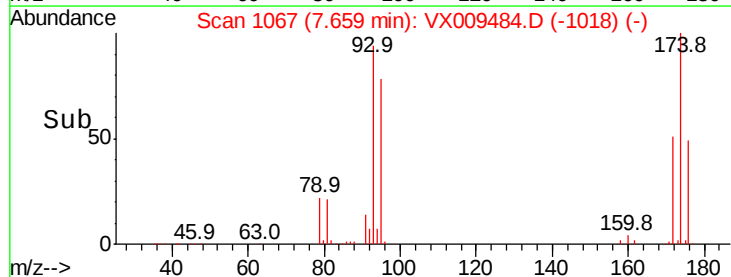
20000

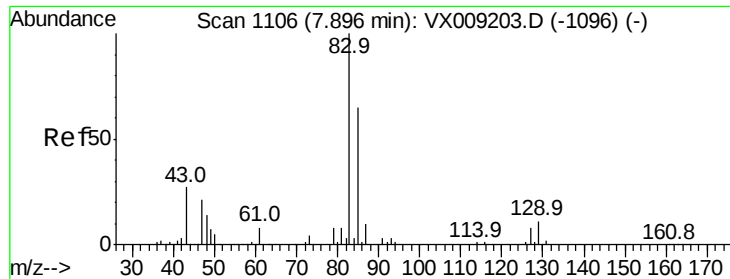
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 51.216 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

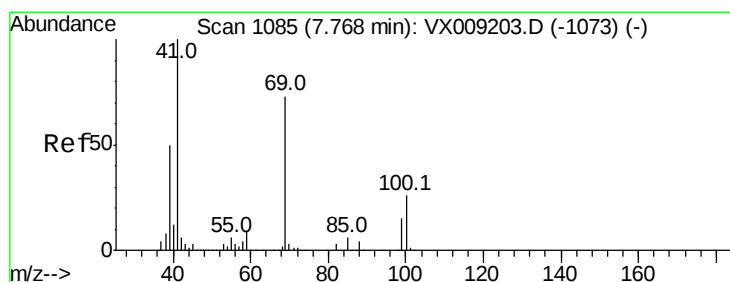
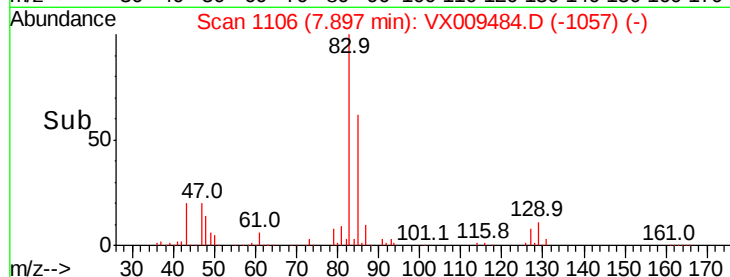
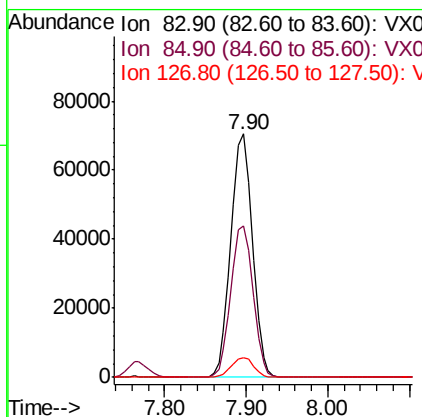
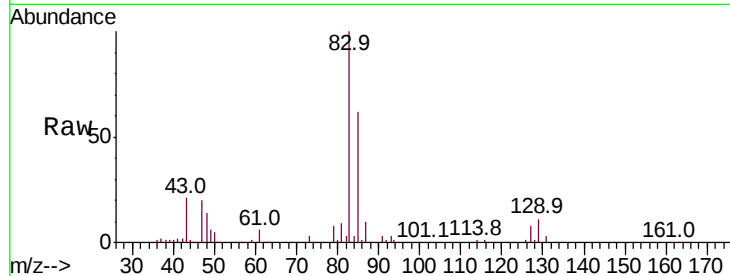
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128824
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.4	78.6
127	8.2	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#48

Methyl methacrylate

Concen: 52.200 ug/l

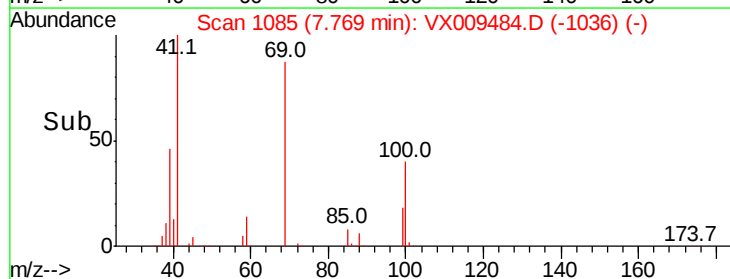
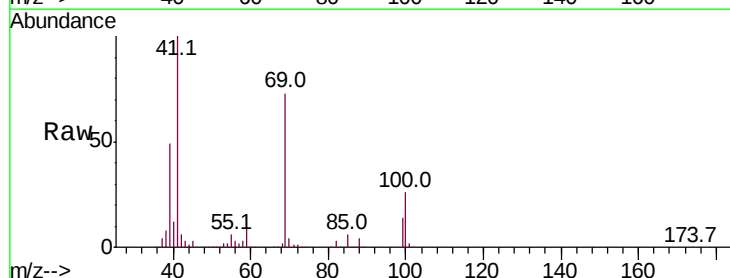
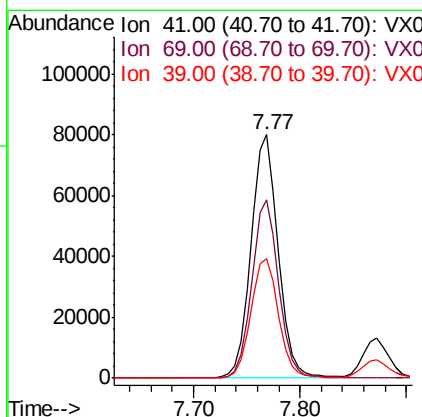
RT: 7.77 min Scan# 1085

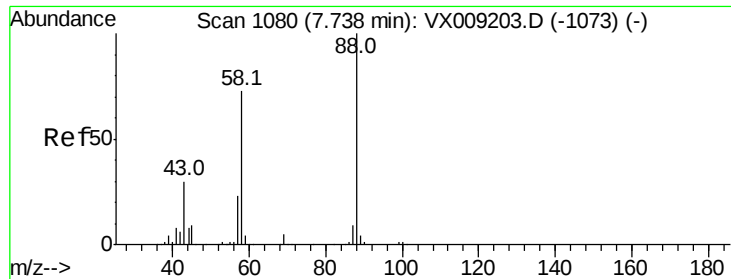
Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion:	41	Resp:	143015
Ion Ratio	Lower	Upper	
41	100		
69	72.7	59.1	88.7
39	49.9	40.4	60.6





#49

1,4-Dioxane

Concen: 973.001 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

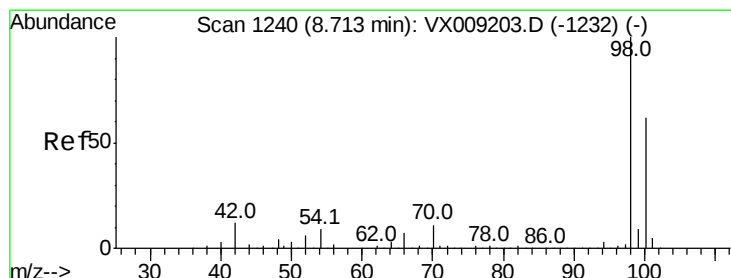
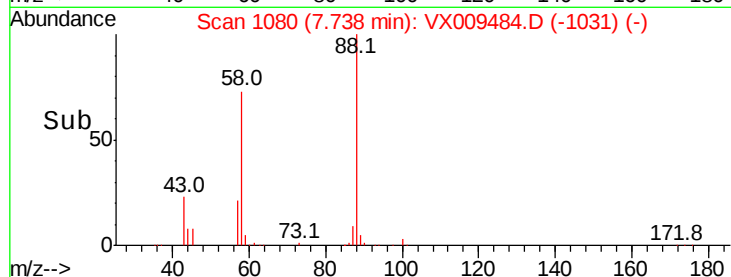
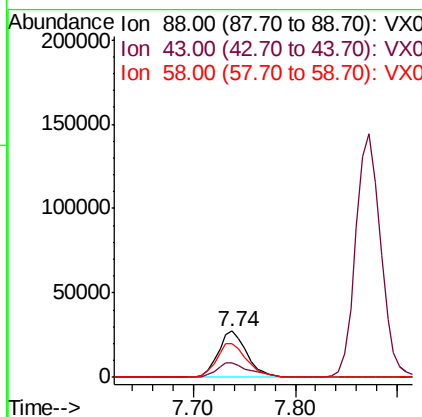
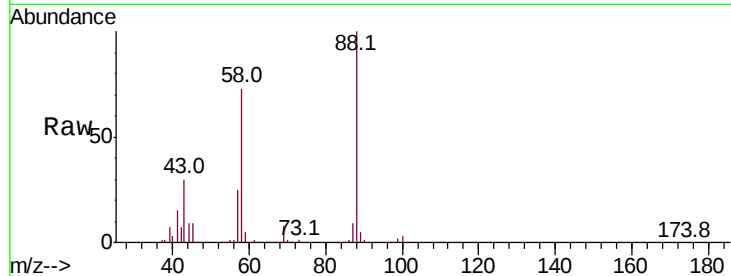
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	54062
Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	42.8
58	77.9	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#50

Toluene-d8

Concen: 49.643 ug/l

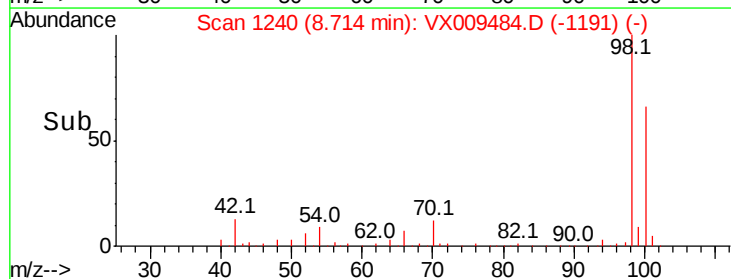
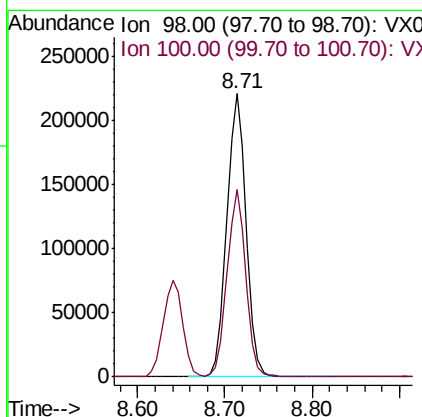
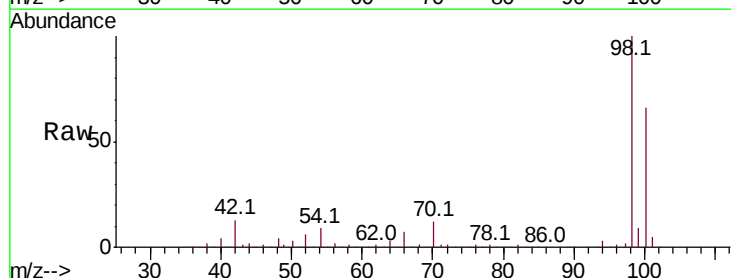
RT: 8.71 min Scan# 1240

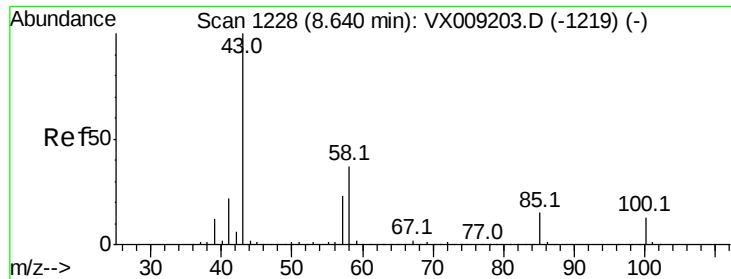
Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion:	98	Resp:	335940
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 255.903 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 923687

Ion Ratio Lower Upper

43 100

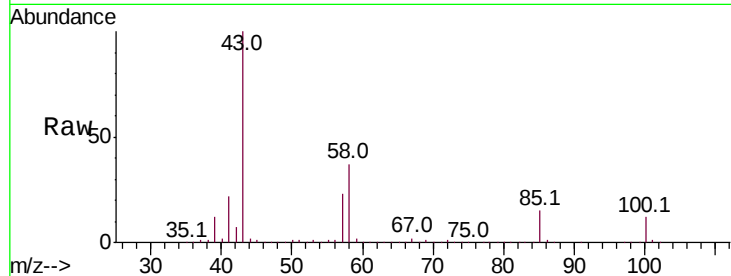
58 37.2 29.5 44.3

Manual Integrations

APPROVED

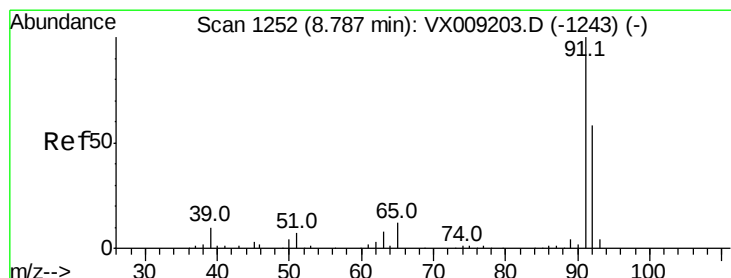
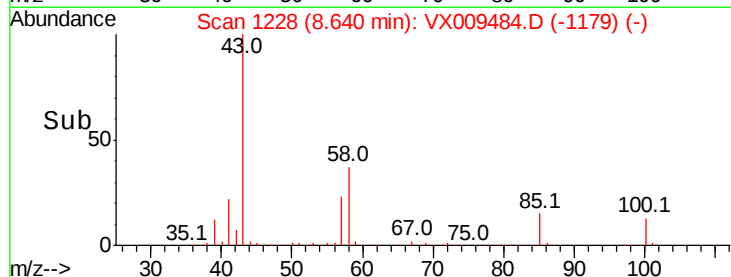
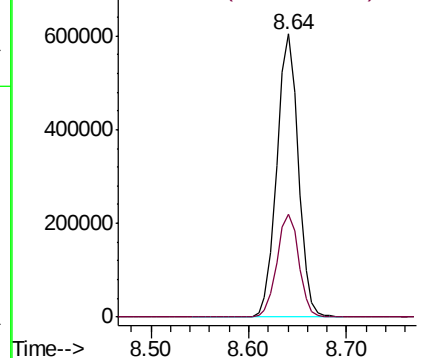
MMDadoda

5/11/2019 11:52:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.270 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009484.D

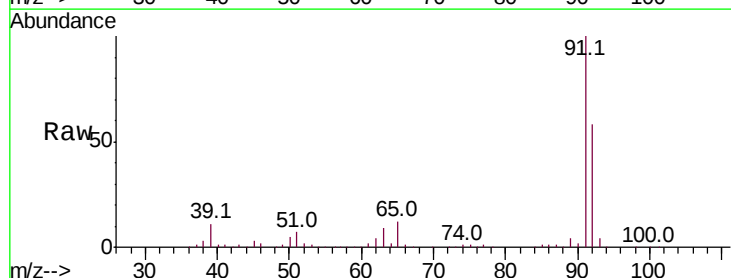
Acq: 10 May 2019 16:05

Tgt Ion: 92 Resp: 243659

Ion Ratio Lower Upper

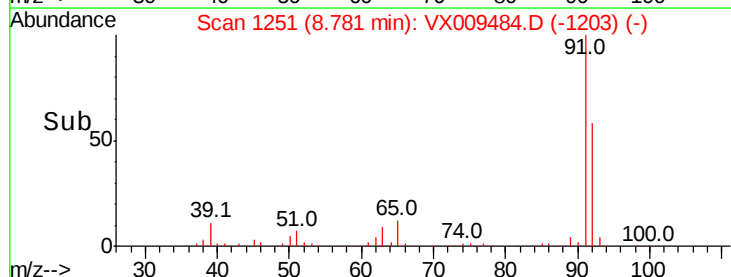
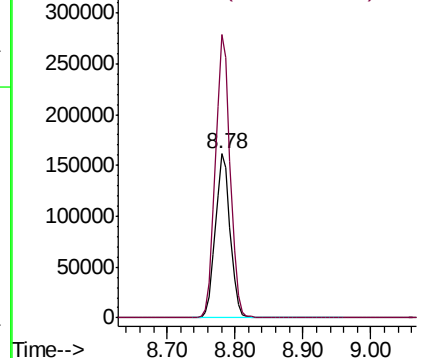
92 100

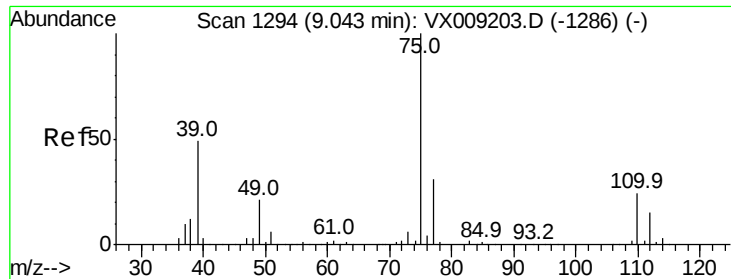
91 172.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





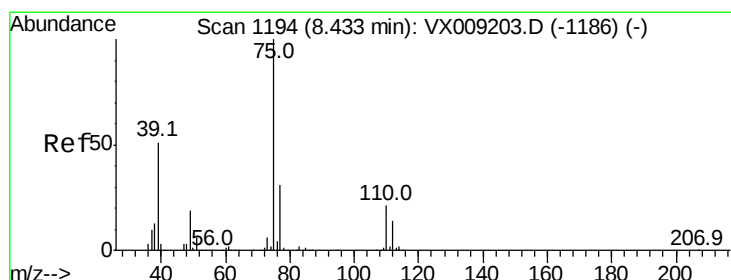
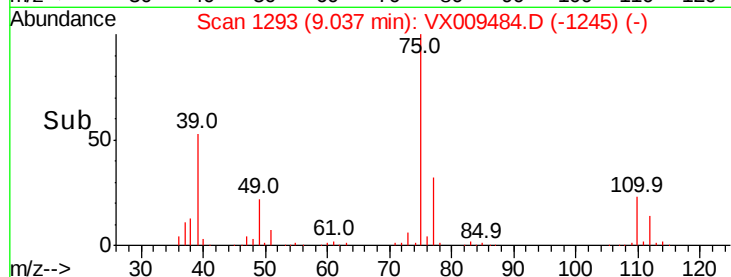
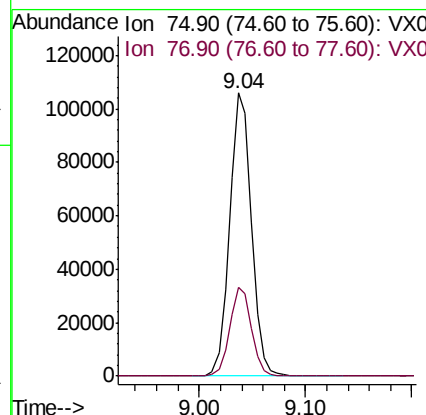
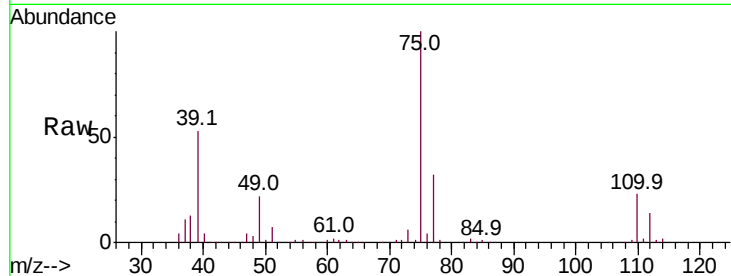
#53
t-1,3-Dichloropropene
Concen: 53.455 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 151801
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

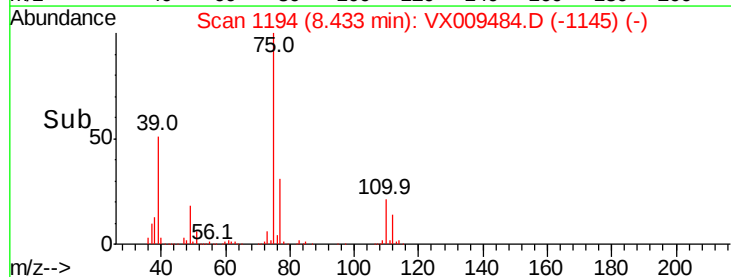
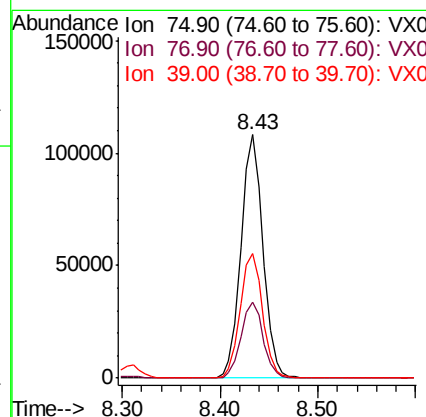
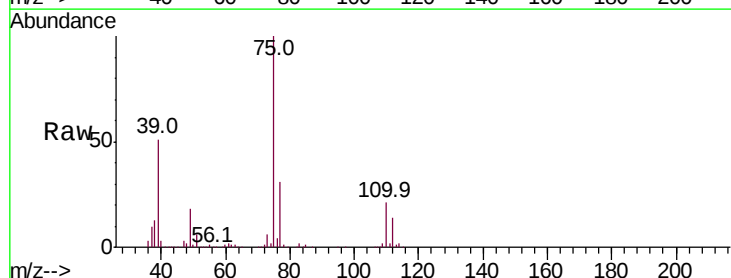
Manual Integrations
APPROVED

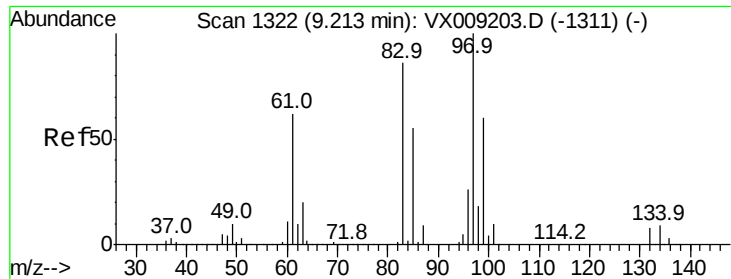
MMDadoda
5/11/2019 11:52:52 AM



#54
cis-1,3-Dichloropropene
Concen: 53.622 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 75 Resp: 168547
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 51.1 40.6 60.8





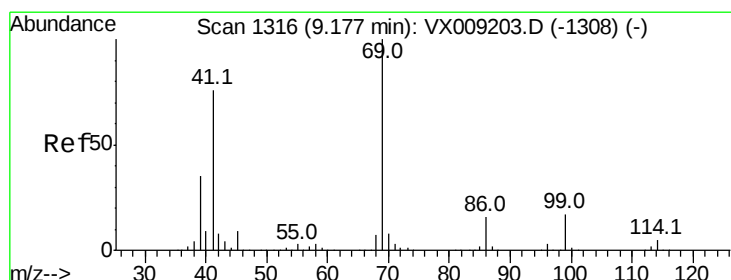
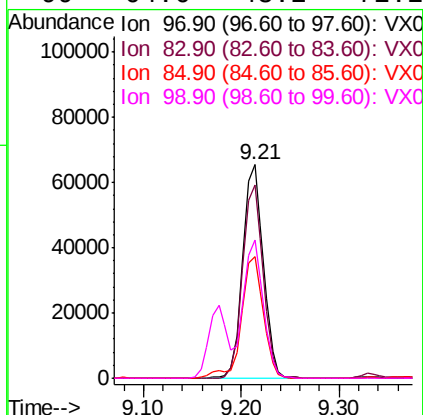
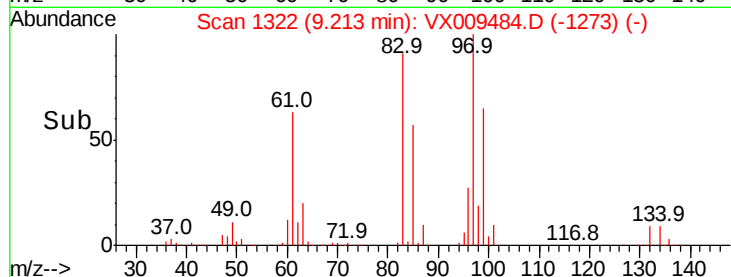
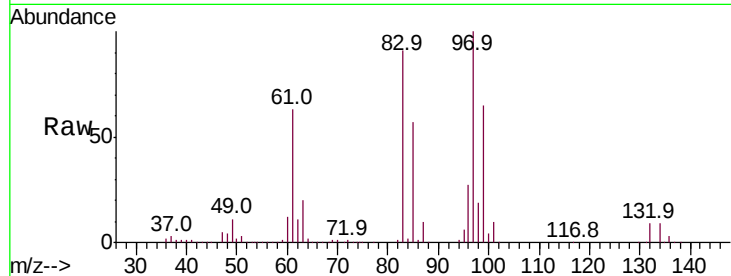
#55
 1,1,2-Trichloroethane
 Concen: 50.661 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	96347
Ion Ratio	100	Lower	Upper
97	100		
83	90.5	68.9	103.3
85	56.8	43.8	65.6
99	64.6	48.2	72.2

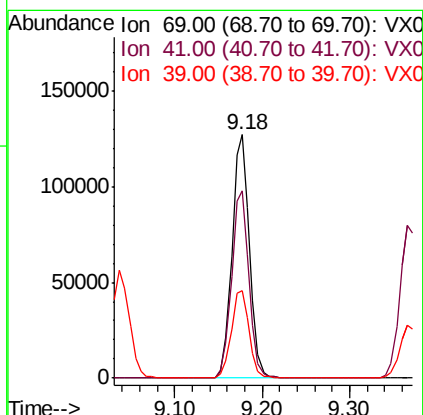
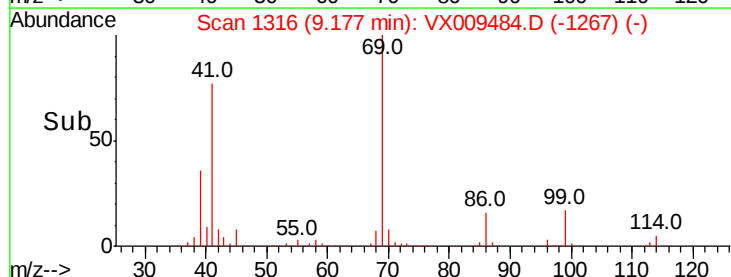
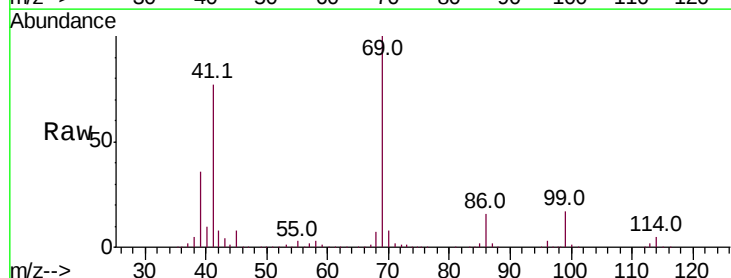
Manual Integrations
 APPROVED

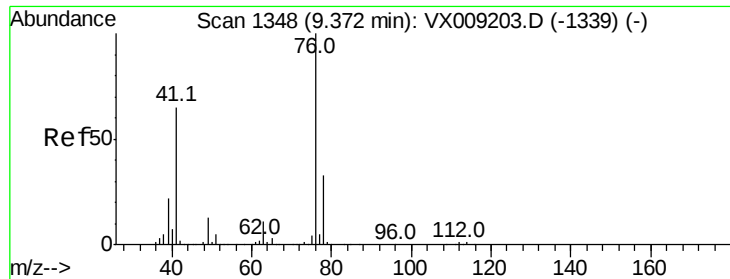
MMDadoda
 5/11/2019 11:52:52 AM



#56
 Ethyl methacrylate
 Concen: 51.982 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	69	Resp	176466
Ion Ratio	100	Lower	Upper
69	100		
41	76.5	60.6	90.8
39	36.8	28.2	42.4





#57

1,3-Dichloropropane

Concen: 50.867 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170235

Ion Ratio Lower Upper

76 100

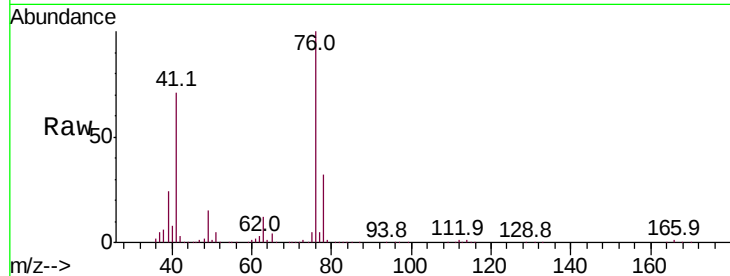
78 31.9 25.5 38.3

Manual Integrations

APPROVED

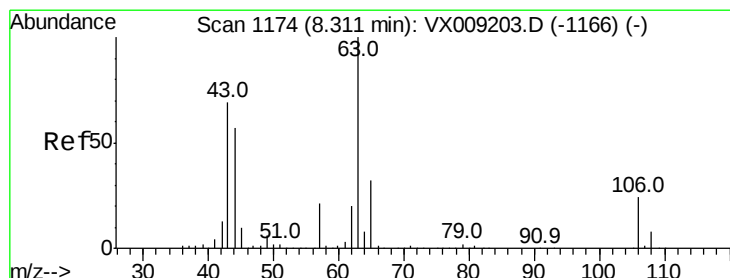
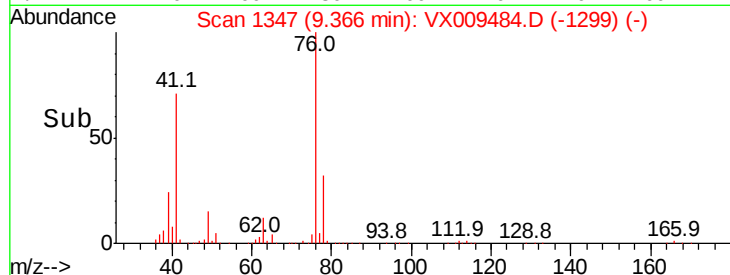
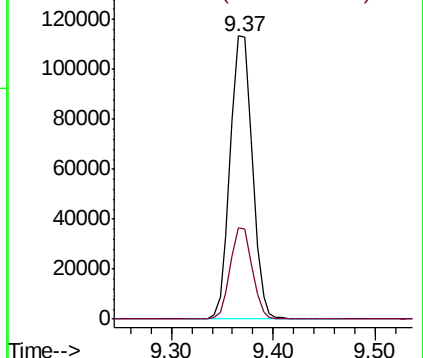
MMDadoda

5/11/2019 11:52:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 241.722 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009484.D

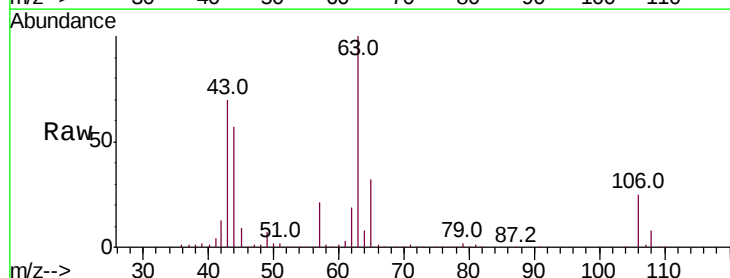
Acq: 10 May 2019 16:05

Tgt Ion: 63 Resp: 435323

Ion Ratio Lower Upper

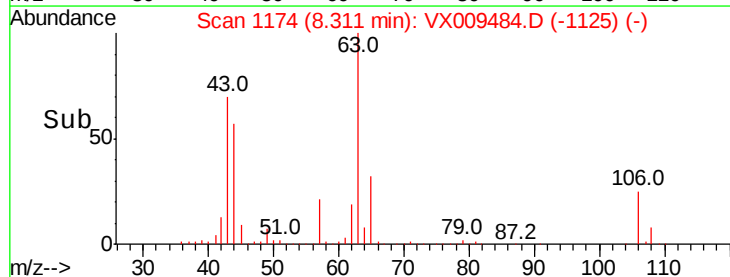
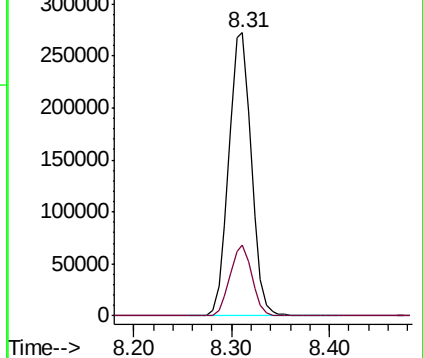
63 100

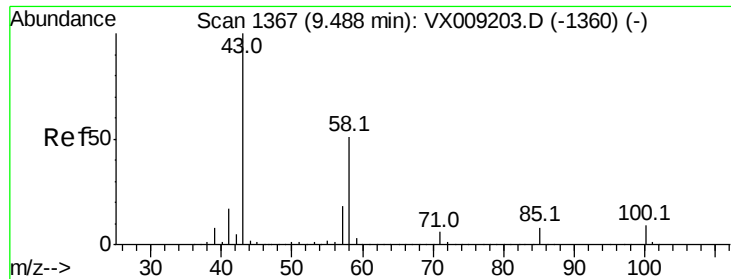
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





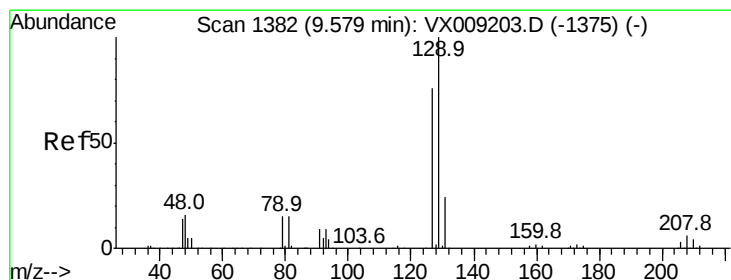
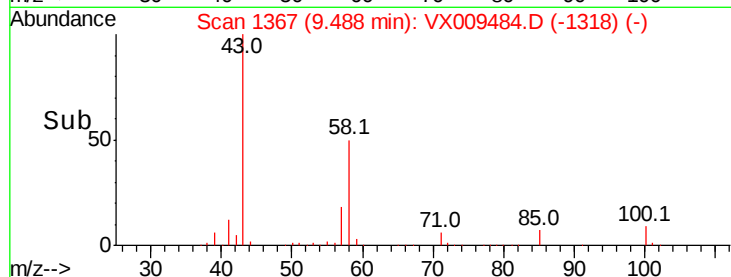
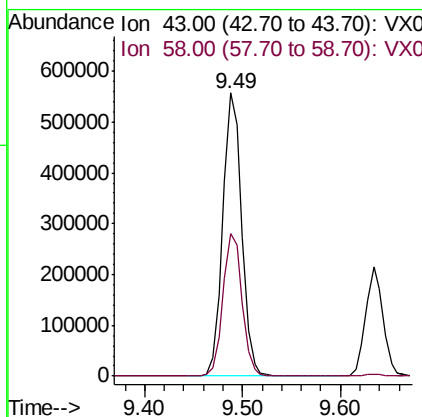
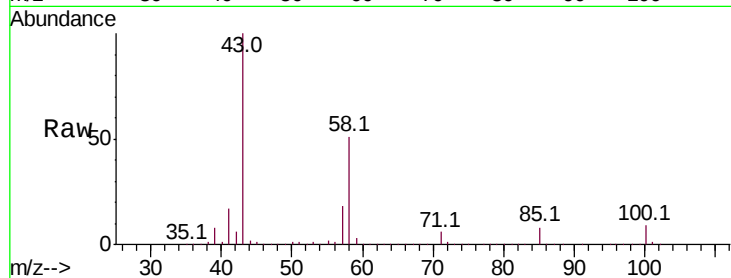
#59
2-Hexanone
Concen: 263.127 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 745931
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7

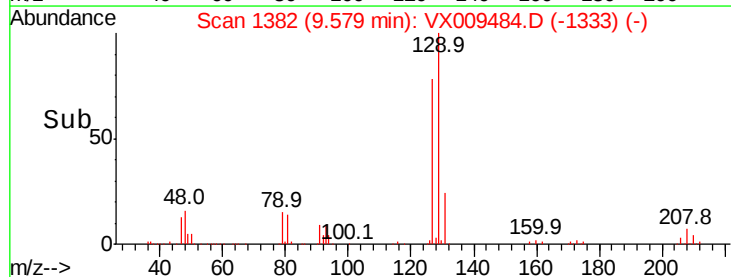
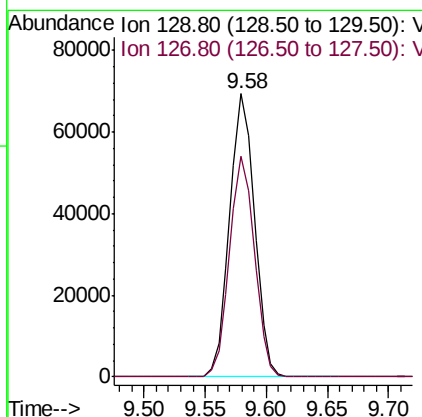
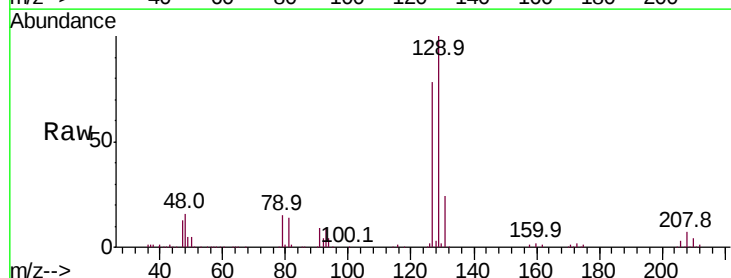
Manual Integrations
APPROVED

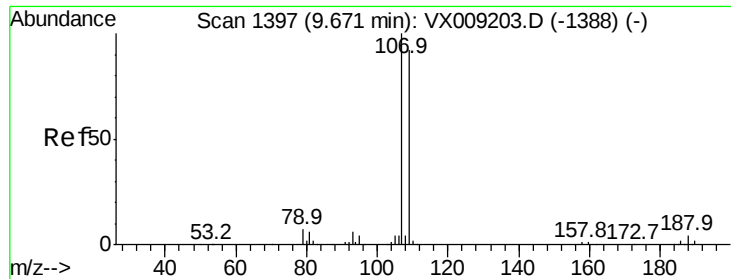
MMDadoda
5/11/2019 11:52:52 AM



#60
Dibromochloromethane
Concen: 52.746 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 129 Resp: 97972
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.862 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 99560

Ion Ratio Lower Upper

107 100

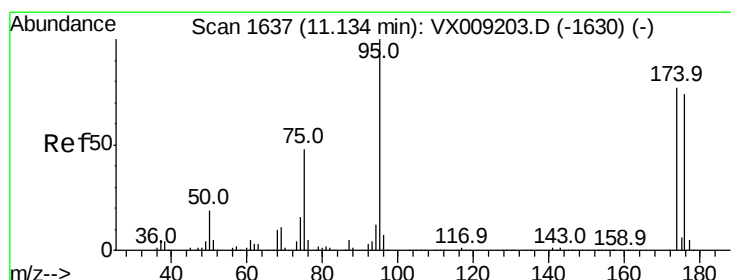
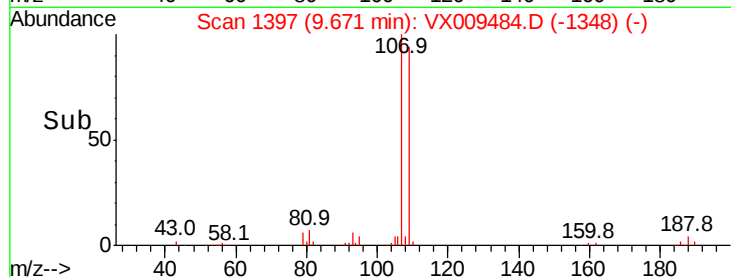
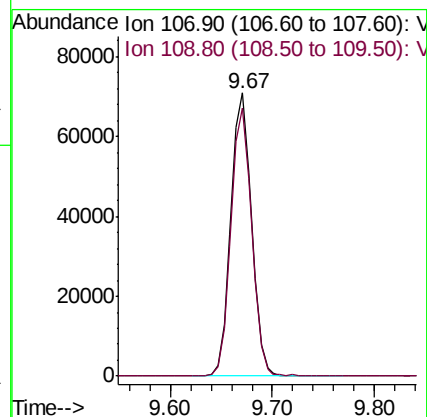
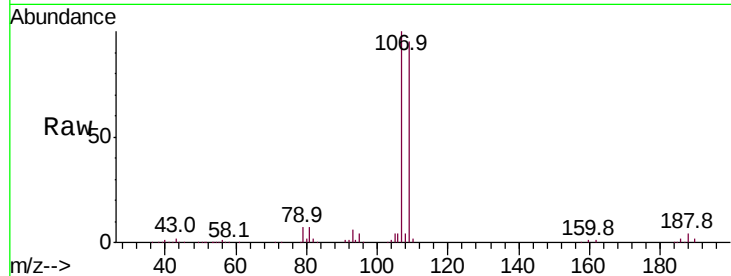
109 94.7 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#62

4-Bromofluorobenzene

Concen: 50.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

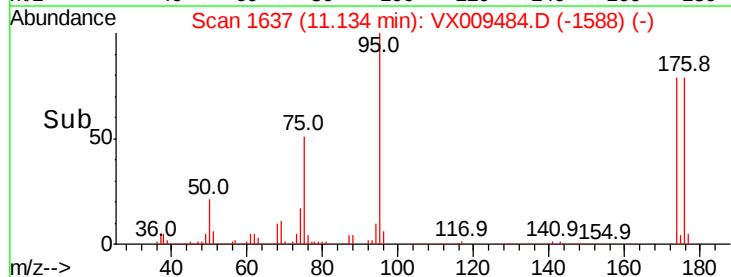
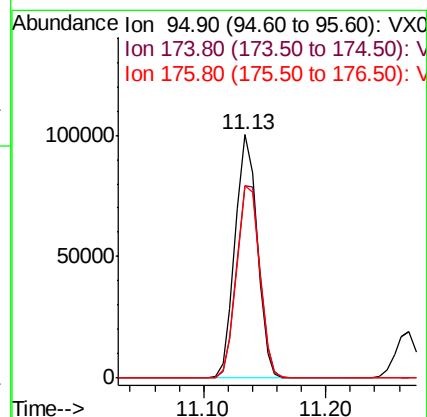
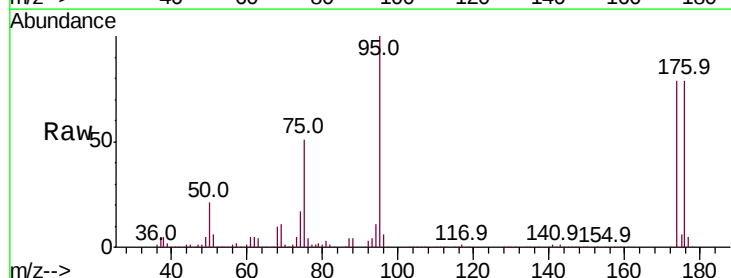
Tgt Ion: 95 Resp: 125391

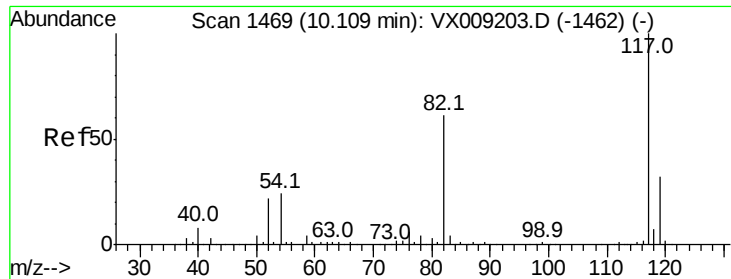
Ion Ratio Lower Upper

95 100

174 83.4 0.0 161.6

176 81.5 0.0 159.2





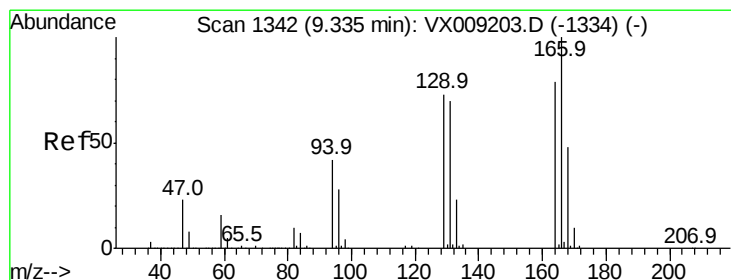
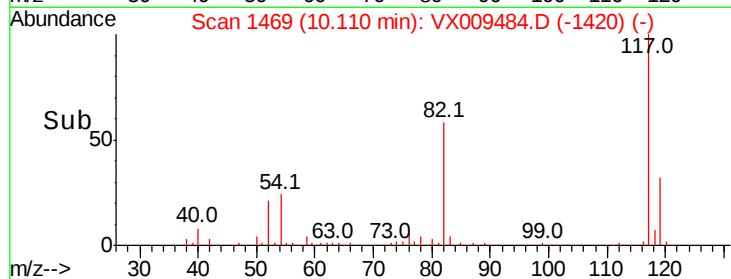
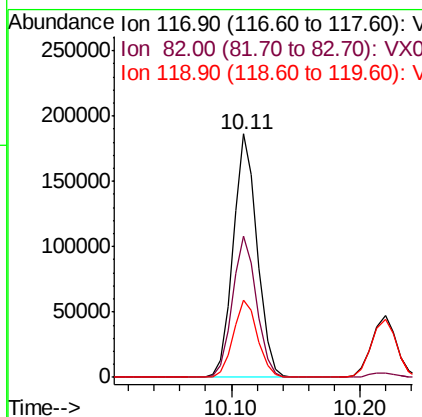
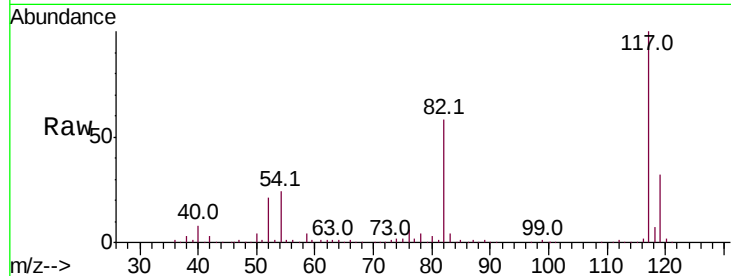
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.8	73.2
119	31.6	25.8	38.6

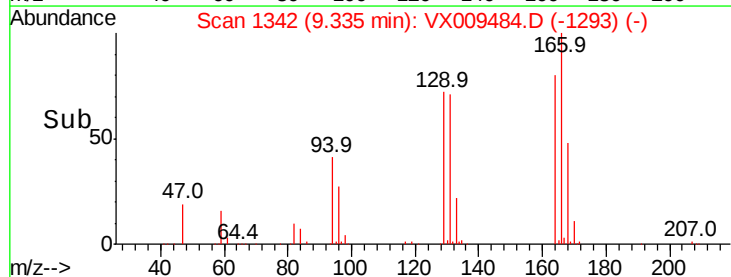
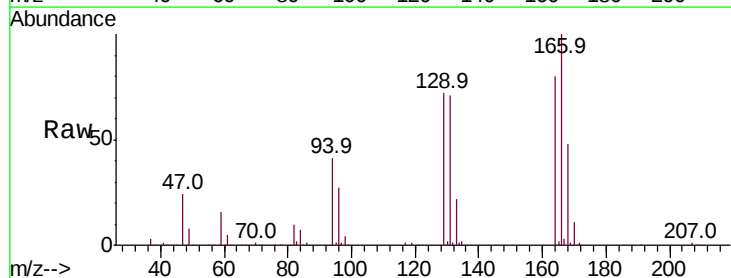
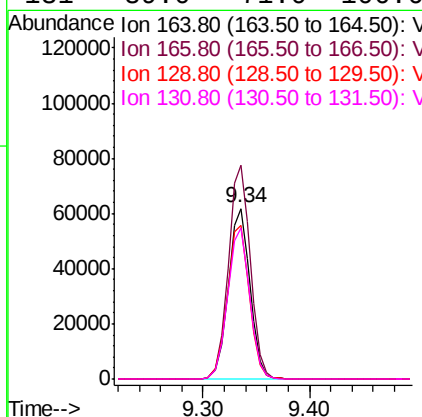
Manual Integrations
APPROVED

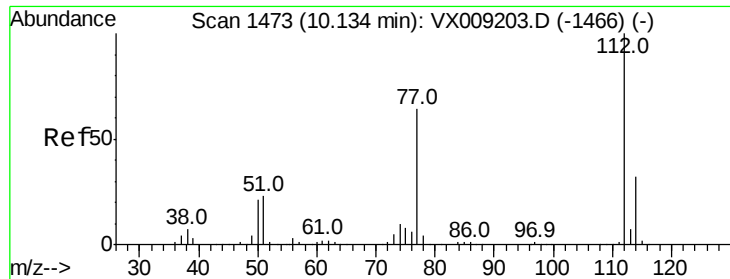
MMDadoda
5/11/2019 11:52:52 AM



#64
Tetrachloroethene
Concen: 53.228 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.2	151.8
129	90.4	74.3	111.5
131	89.0	71.0	106.6





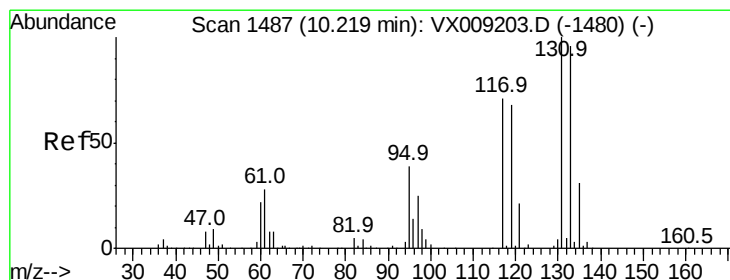
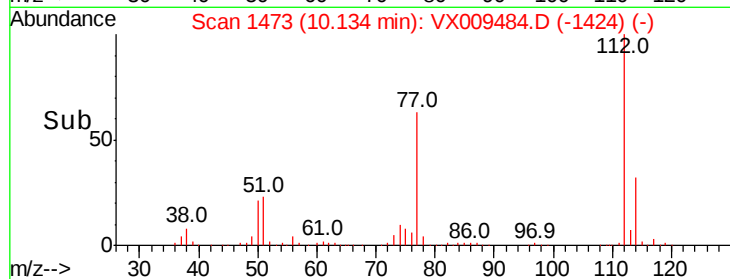
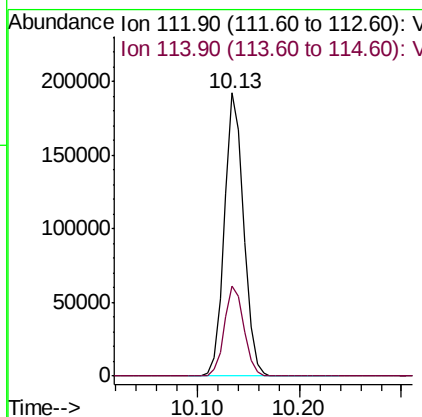
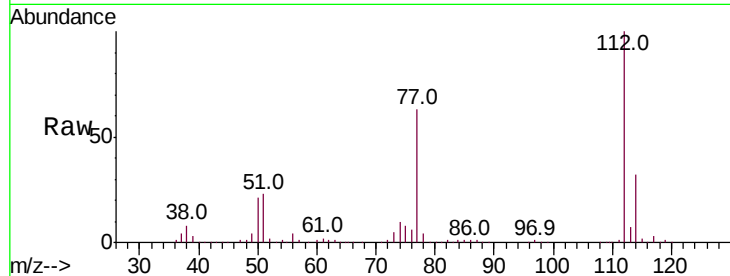
#65
Chlorobenzene
Concen: 52.133 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 251469
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

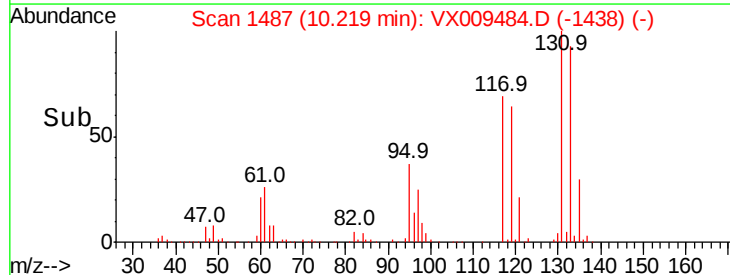
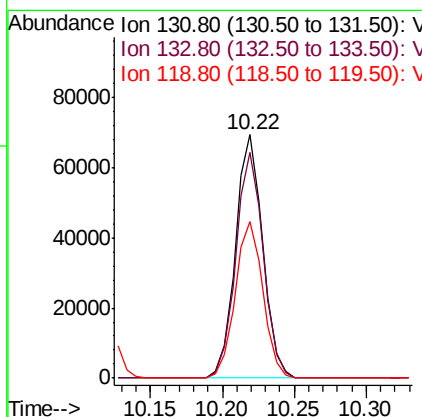
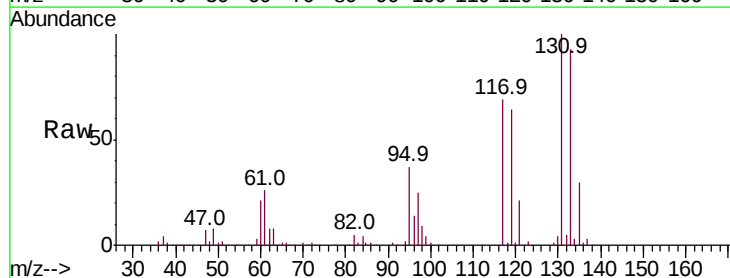
Manual Integrations
APPROVED

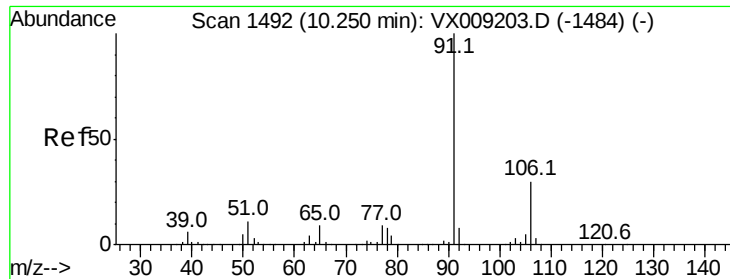
MMDadoda
5/11/2019 11:52:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.172 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:131 Resp: 91237
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 65.7 33.5 100.4





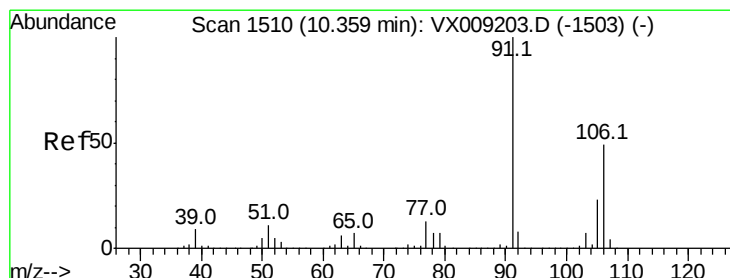
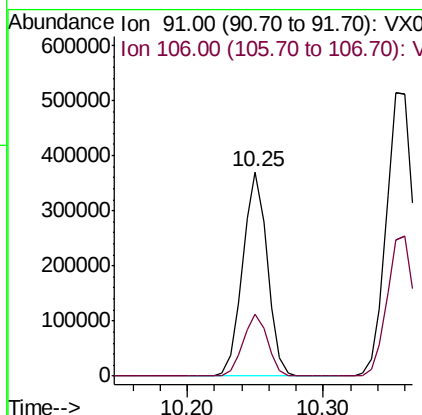
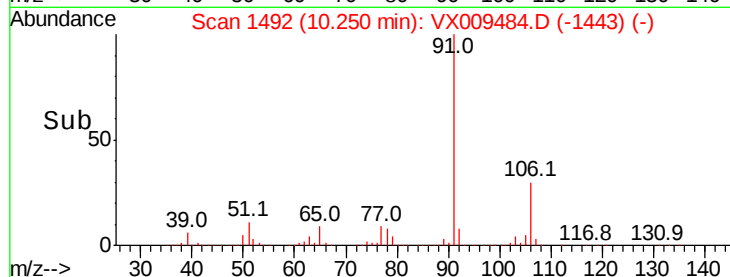
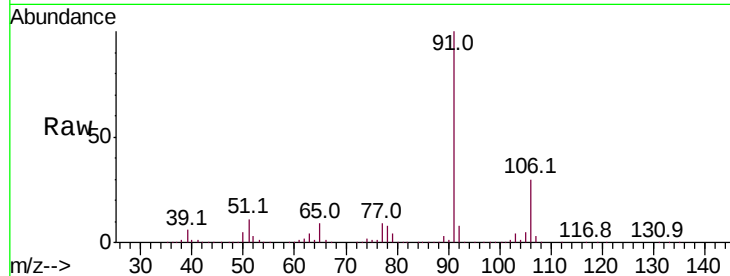
#67
Ethyl Benzene
Concen: 52.837 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 469052
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

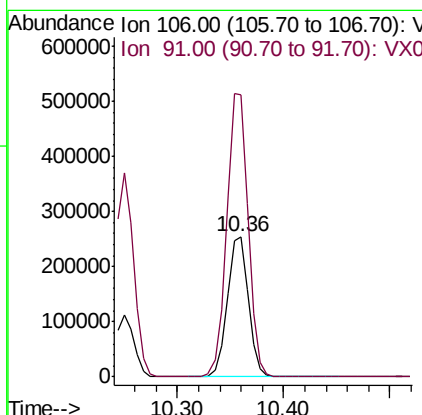
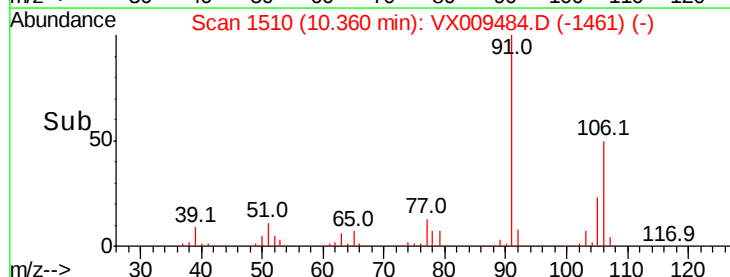
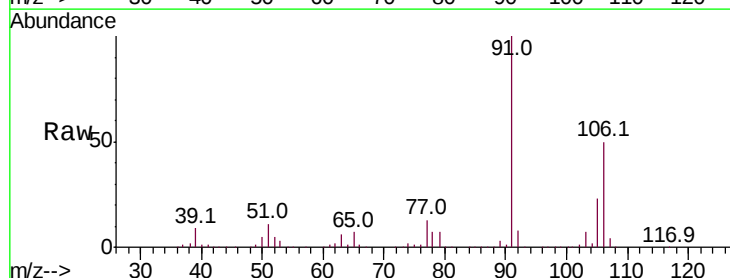
Manual Integrations
APPROVED

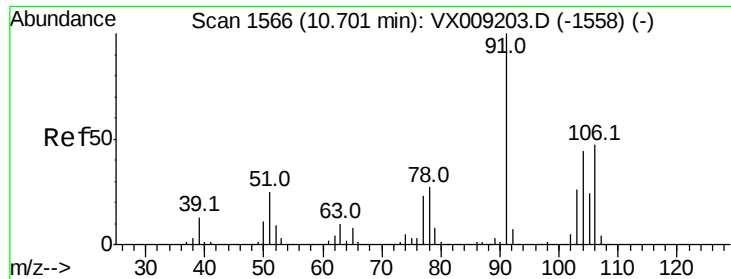
MMDadoda
5/11/2019 11:52:52 AM



#68
m/p-Xylenes
Concen: 108.168 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 106 Resp: 350902
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0





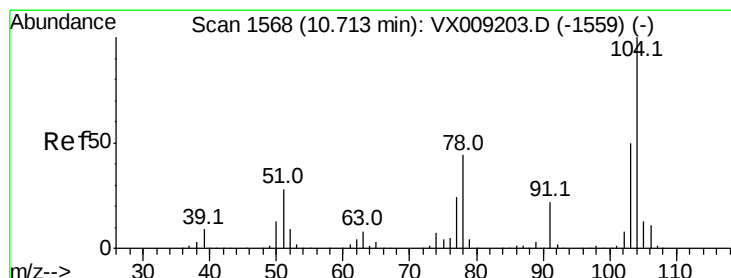
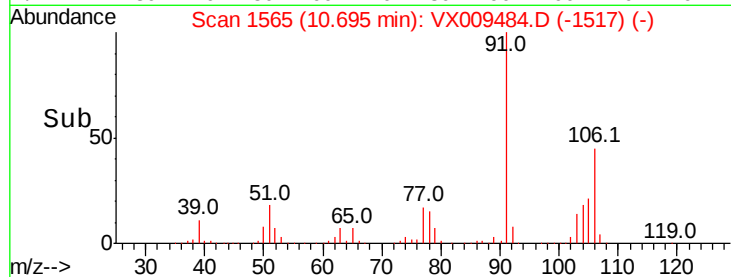
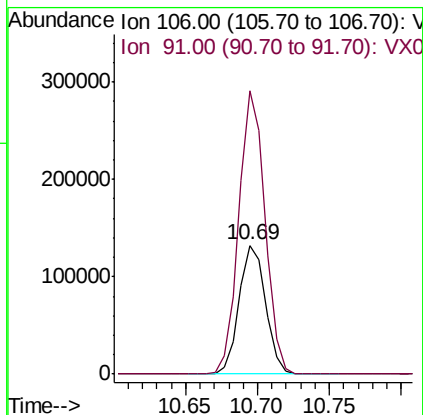
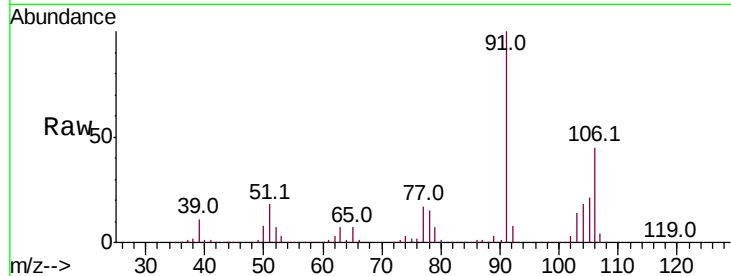
#69
o-Xylene
Concen: 52.885 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 169272
Ion Ratio Lower Upper
106 100
91 217.4 109.5 328.4

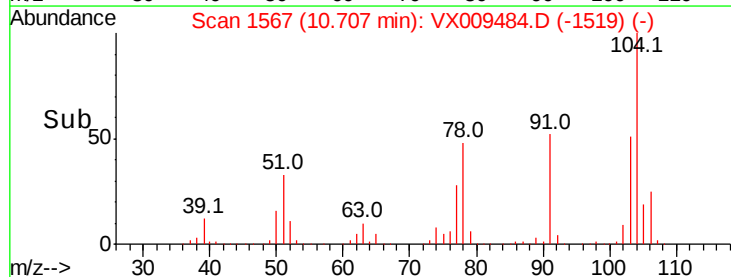
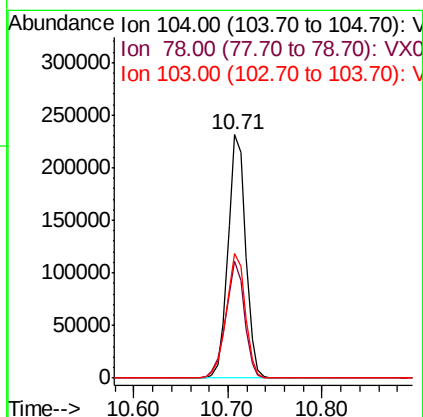
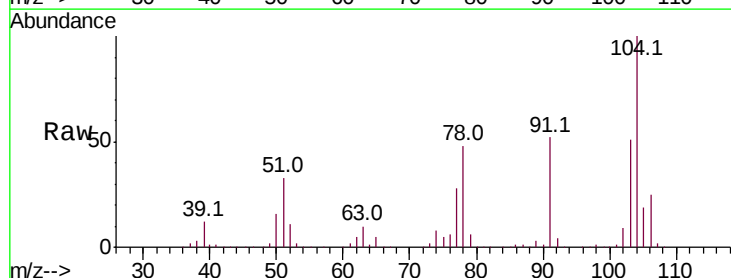
Manual Integrations
APPROVED

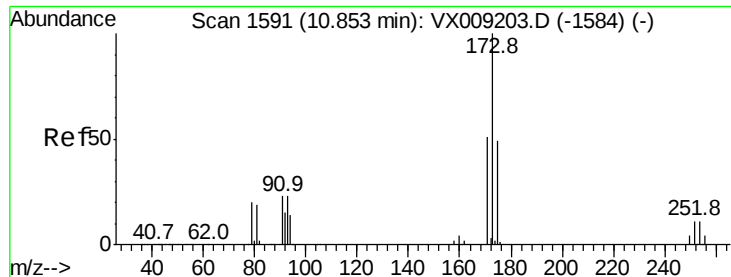
MMDadoda
5/11/2019 11:52:52 AM



#70
Styrene
Concen: 54.122 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion:104 Resp: 301091
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 54.9 43.8 65.6





#71

Bromoform

Concen: 52.162 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74129

Ion Ratio Lower Upper

173 100

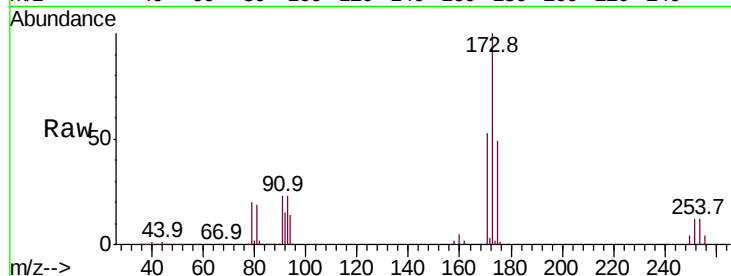
175 49.6 24.5 73.5

254 0.3 0.1 0.1#

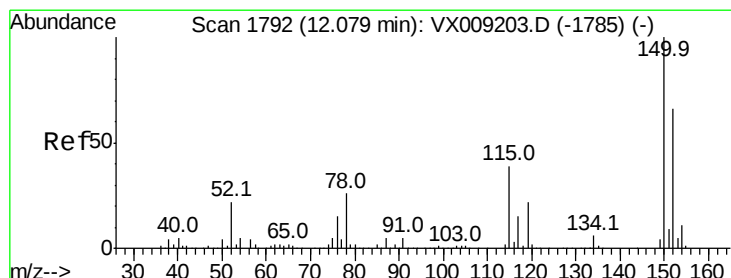
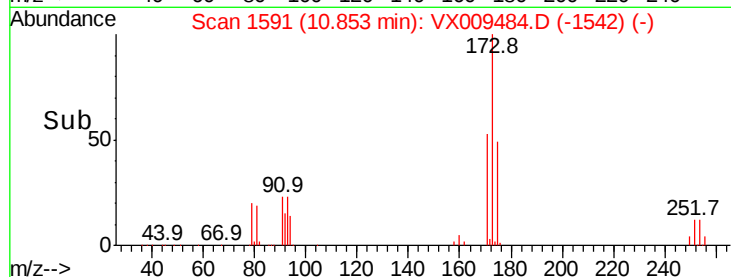
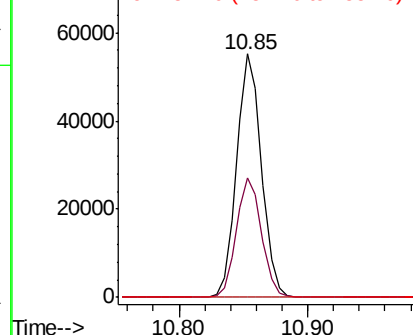
Manual Integrations
APPROVED

MMDadoda

5/11/2019 11:52:52 AM



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: VX009484.D

Acq: 10 May 2019 16:05

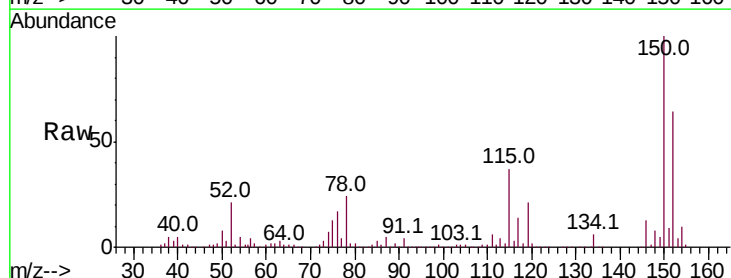
Tgt Ion:152 Resp: 126318

Ion Ratio Lower Upper

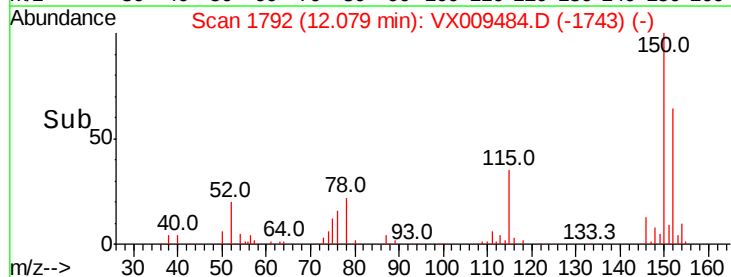
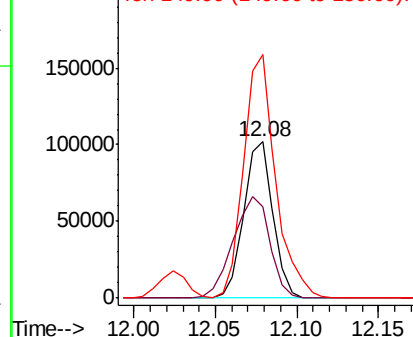
152 100

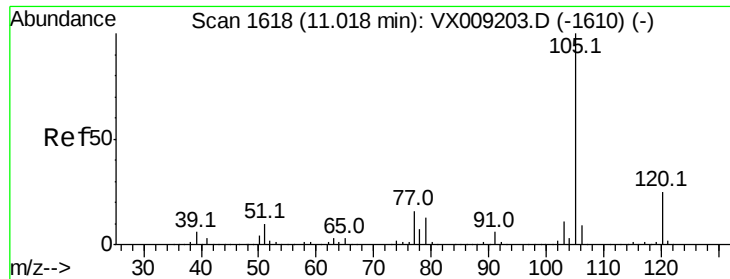
115 82.1 41.2 123.6

150 171.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





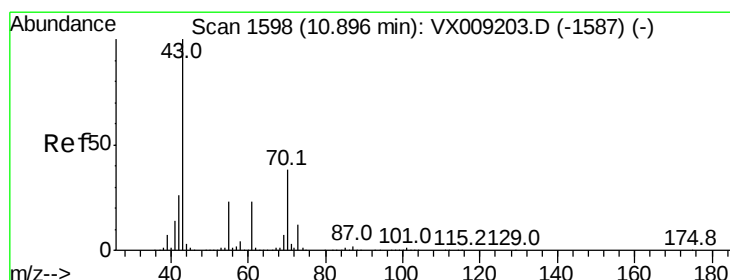
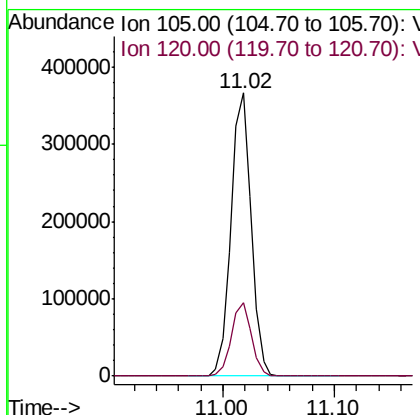
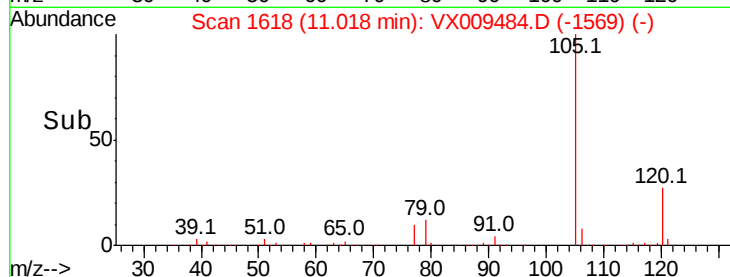
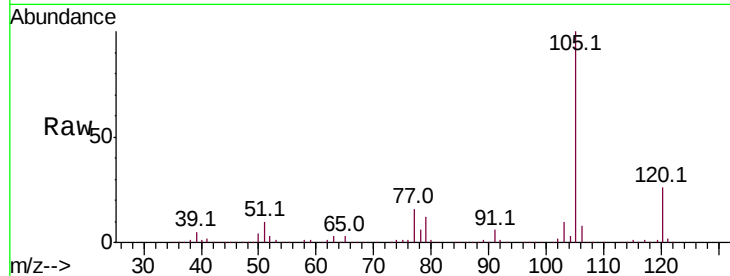
#73
Isopropylbenzene
Concen: 49.813 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 457571
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3

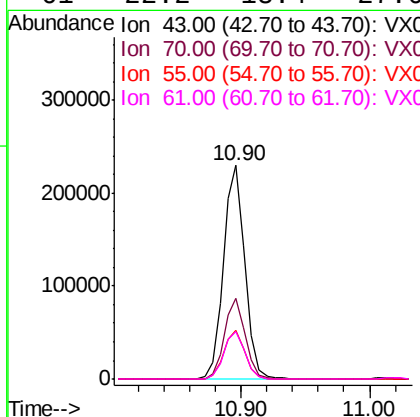
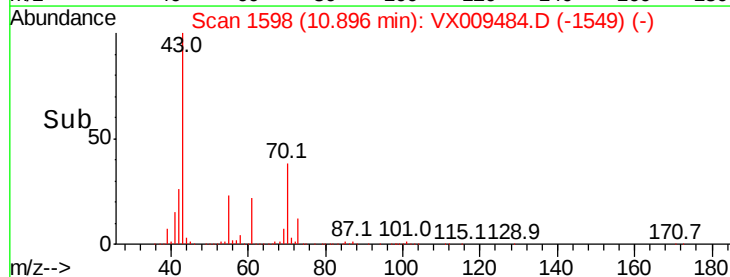
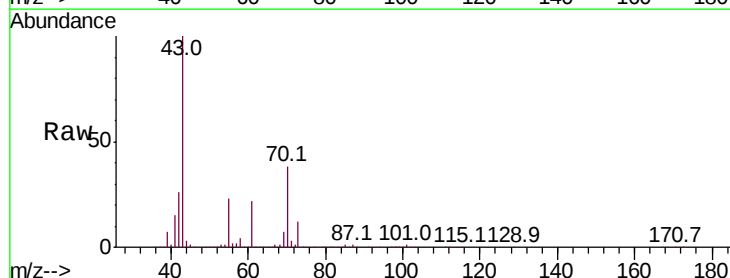
Manual Integrations
APPROVED

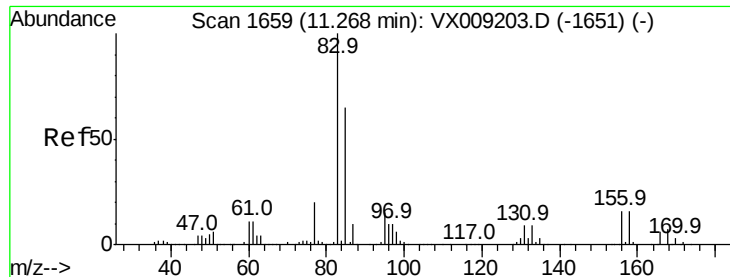
MMDadoda
5/11/2019 11:52:52 AM



#74
N-ethyl acetate
Concen: 49.988 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion: 43 Resp: 267703
Ion Ratio Lower Upper
43 100
70 37.1 30.0 45.0
55 22.6 17.9 26.9
61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.680 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

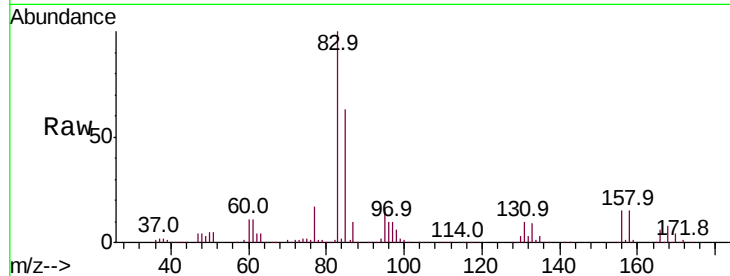
ClientSampleId :

VSTDCCC050

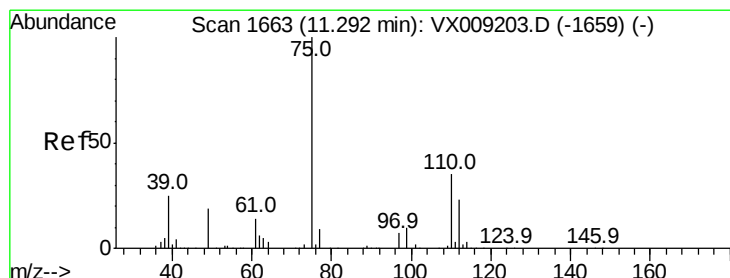
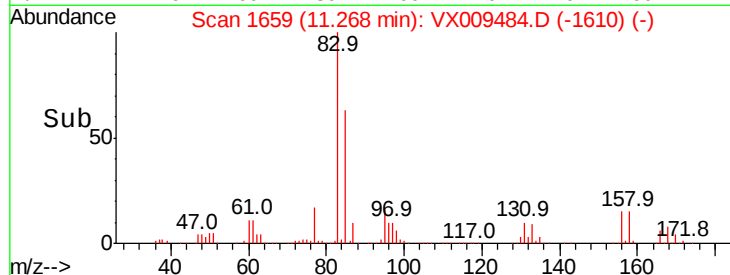
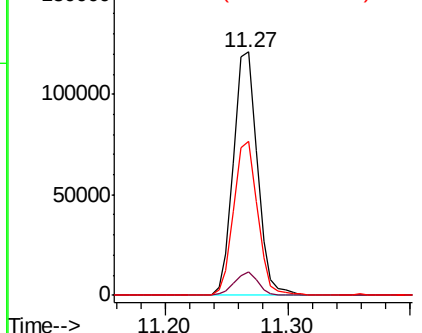
Tot Ion:	83	Resp:	163270
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



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: 49.002 ug/l m

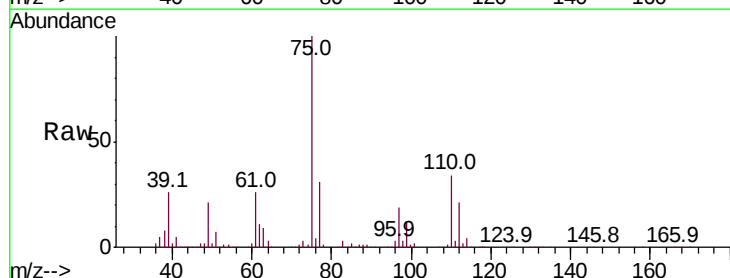
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

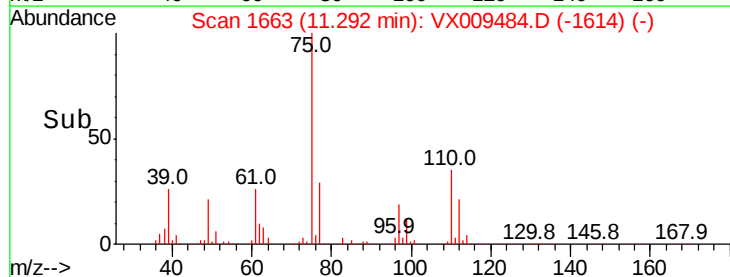
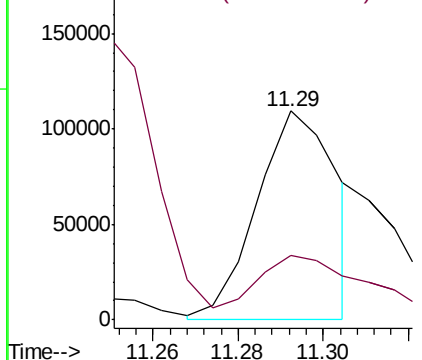
Lab File: VX009484.D

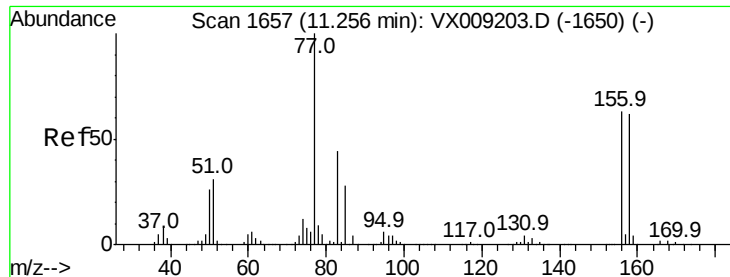
Acq: 10 May 2019 16:05

Tgt Ion:	75	Resp:	143583
Ion Ratio	Lower	Upper	
75	100		
77	43.1	22.1	66.1



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





#77

Bromobenzene

Concen: 49.445 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

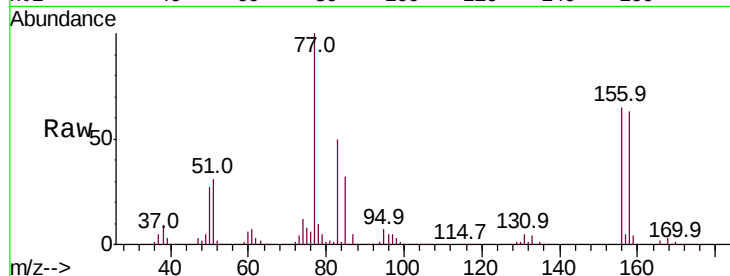
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	112731
Ion Ratio	Lower	Upper	
156	100		
77	167.6	84.8	254.3
158	97.6	49.1	147.3

Manual Integrations
APPROVED

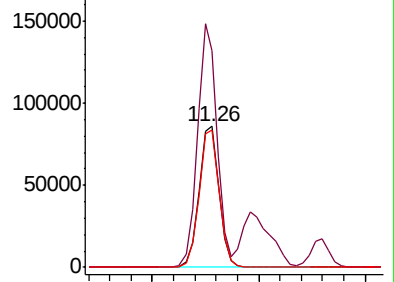
MMDadoda
5/11/2019 11:52:52 AM



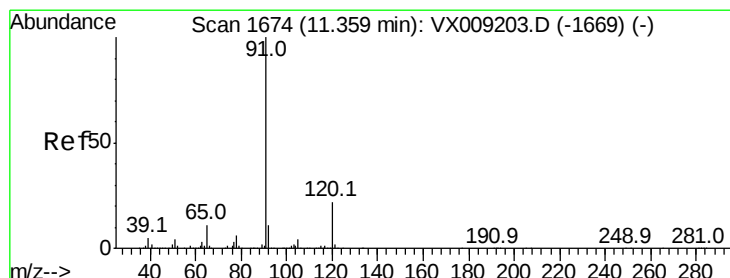
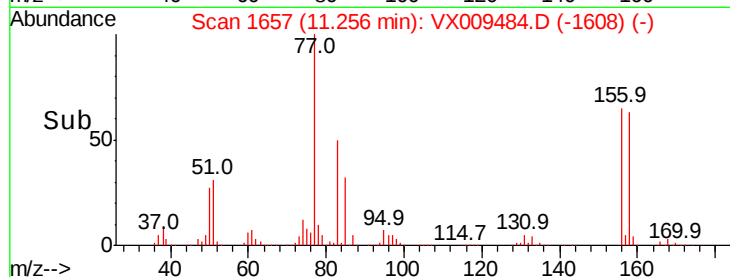
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 51.040 ug/l

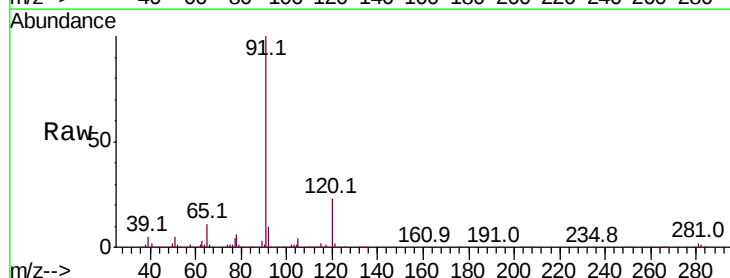
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009484.D

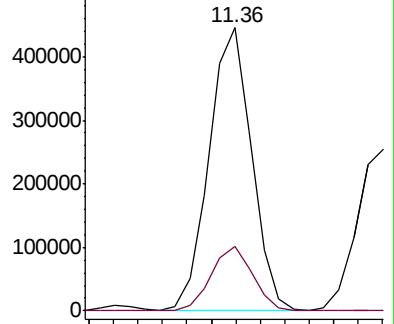
Acq: 10 May 2019 16:05

Tgt Ion:	91	Resp:	535436
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.0	33.0

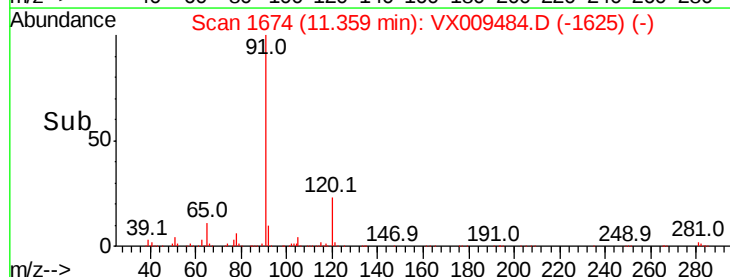


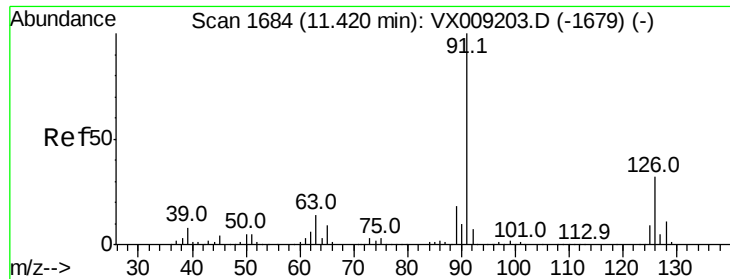
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 48.636 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 314780

Ion Ratio Lower Upper

91 100

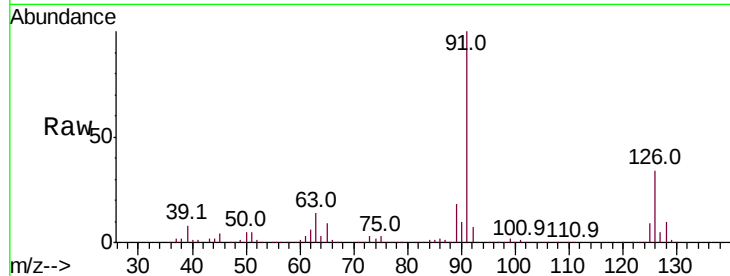
126 32.8 16.3 48.9

Manual Integrations

APPROVED

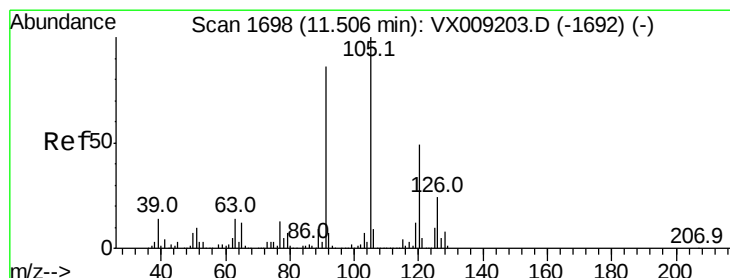
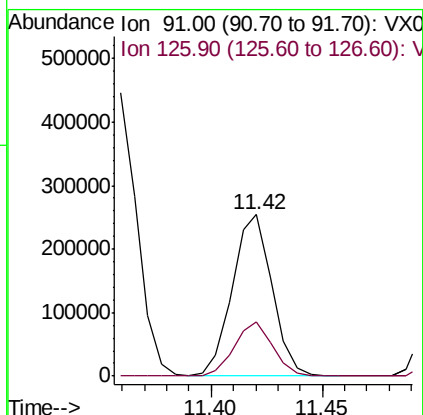
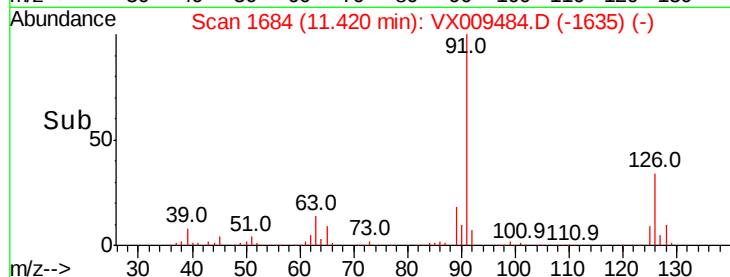
MMDadoda

5/11/2019 11:52:52 AM



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

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



#80

1,3,5-Trimethylbenzene

Concen: 50.652 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009484.D

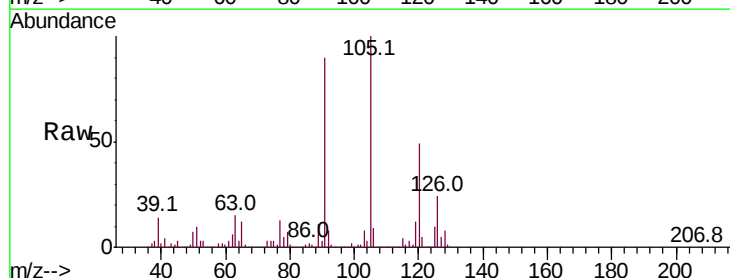
Acq: 10 May 2019 16:05

Tgt Ion: 105 Resp: 391764

Ion Ratio Lower Upper

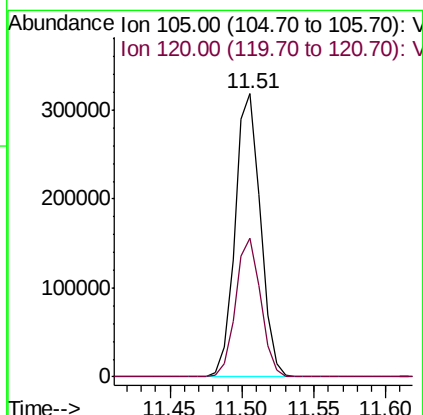
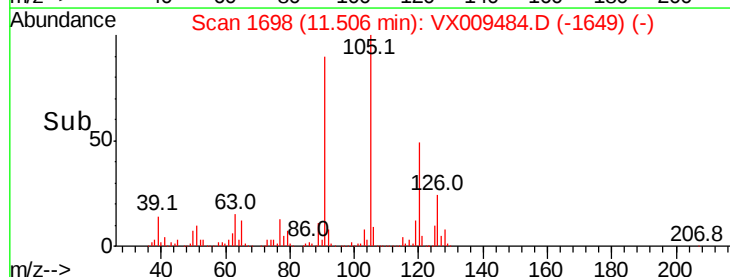
105 100

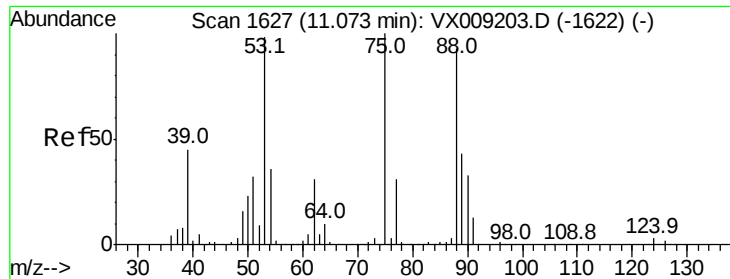
120 48.5 24.3 72.9



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.320 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 57626

Ion Ratio Lower Upper

75 100

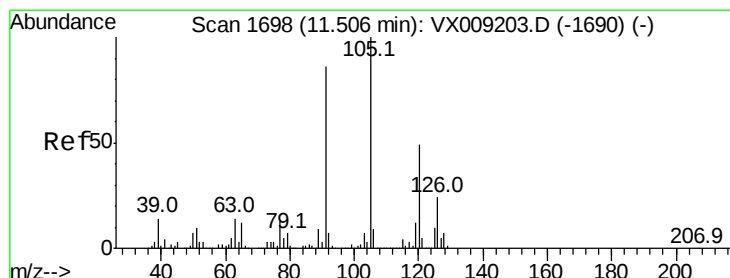
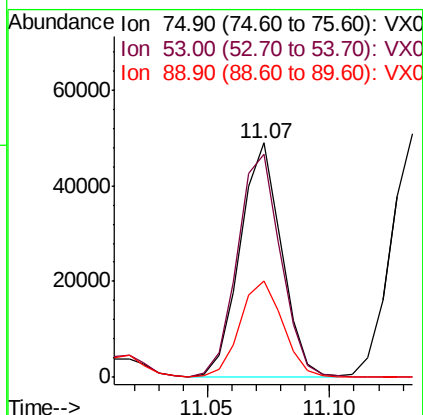
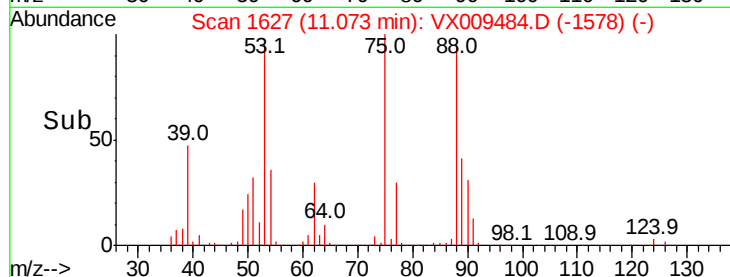
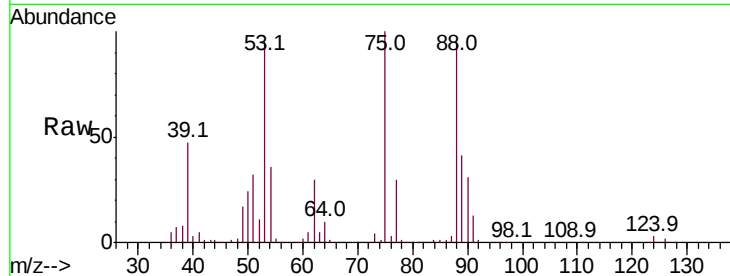
53 99.8 79.0 118.6

89 42.8 34.7 52.1

Manual Integrations
APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#82

4-Chlorotoluene

Concen: 49.904 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009484.D

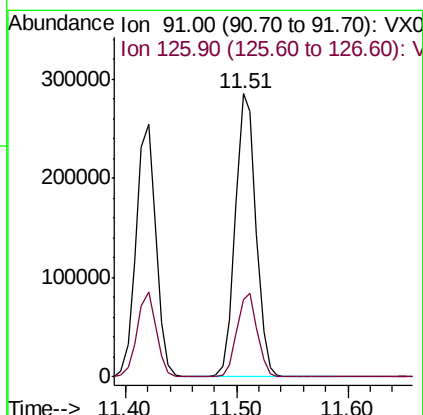
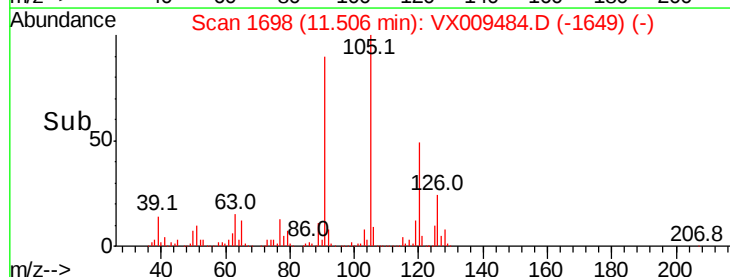
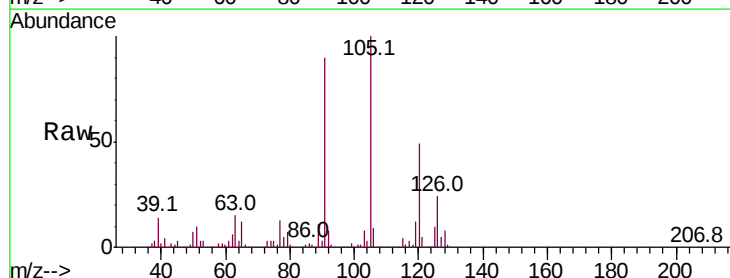
Acq: 10 May 2019 16:05

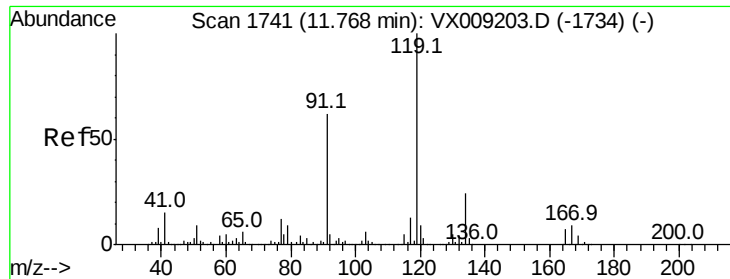
Tgt Ion: 91 Resp: 364877

Ion Ratio Lower Upper

91 100

126 29.2 14.5 43.6





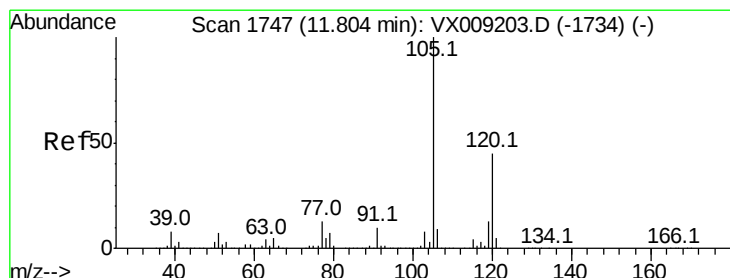
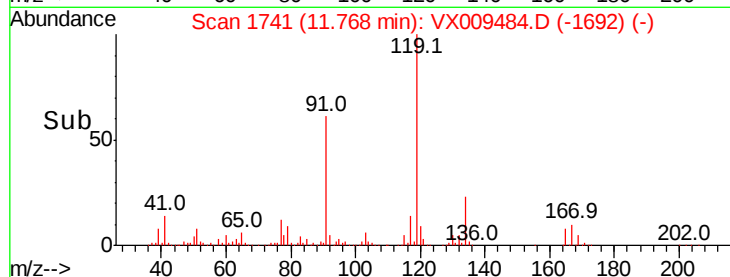
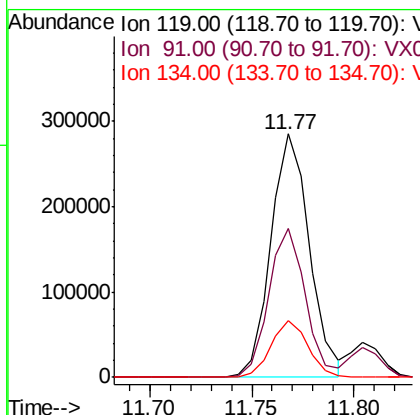
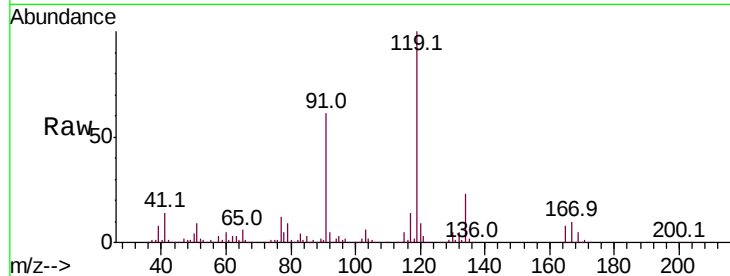
#83
tert-Butylbenzene
Concen: 49.990 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376124		
91	58.5	29.5	88.5	
134	22.2	11.4	34.1	

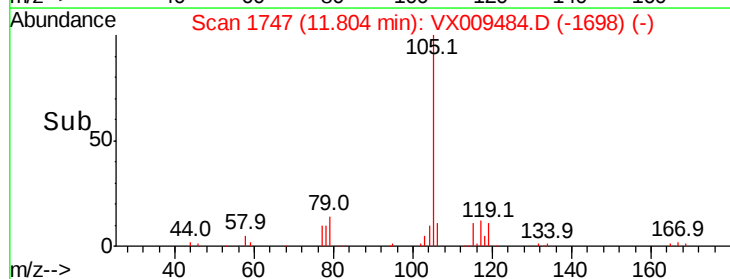
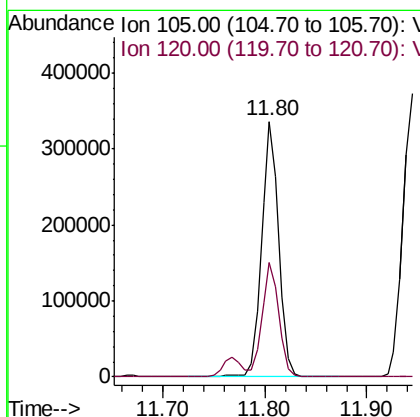
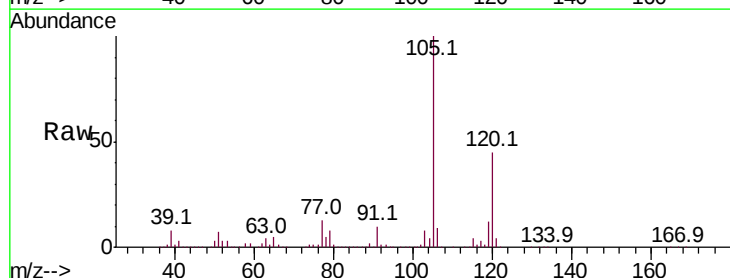
Manual Integrations
APPROVED

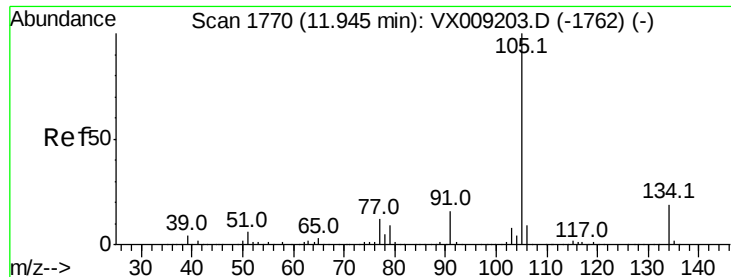
MMDadoda
5/11/2019 11:52:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.755 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	394029		
120	44.4	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.966 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 454625

Ion Ratio Lower Upper

105 100

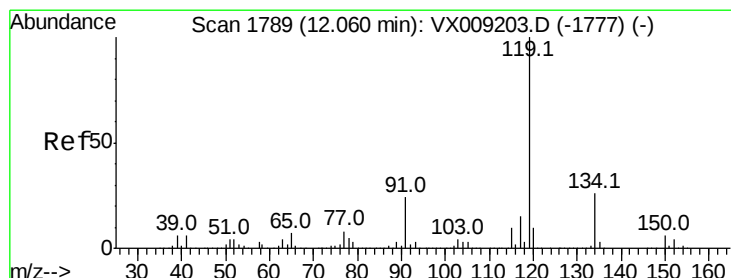
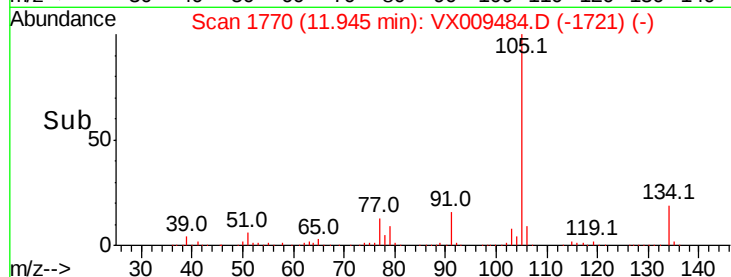
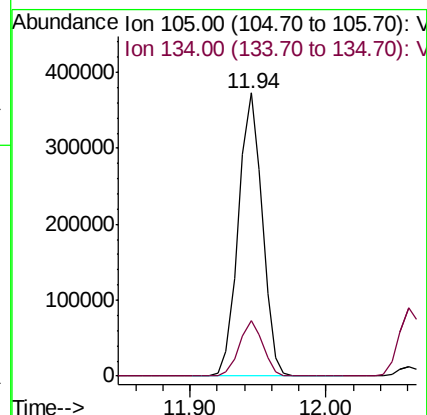
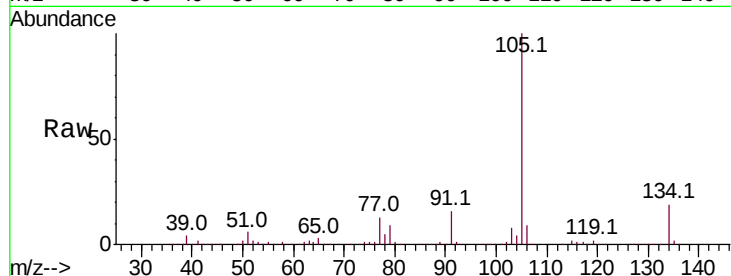
134 19.4 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:52:52 AM



#86

p-Isopropyltoluene

Concen: 52.086 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

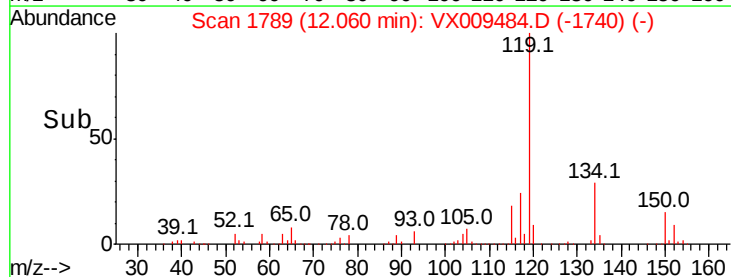
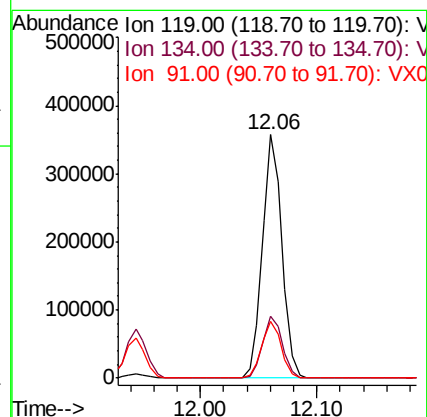
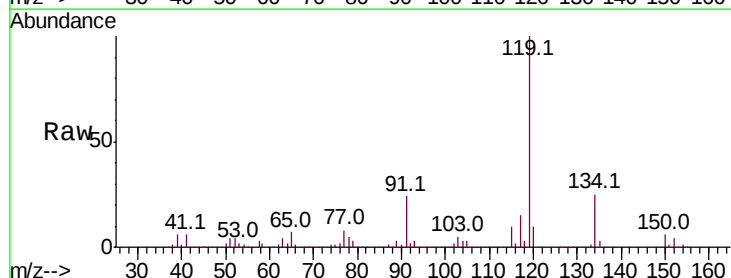
Tgt Ion:119 Resp: 417692

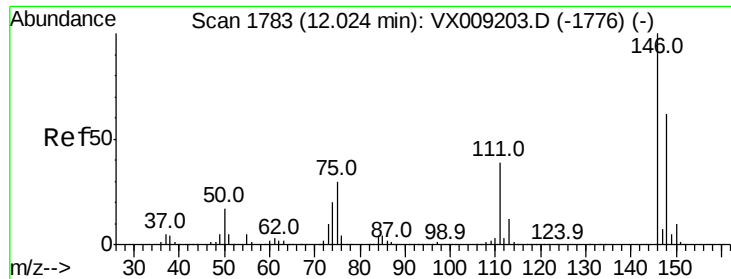
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.3 11.8 35.4





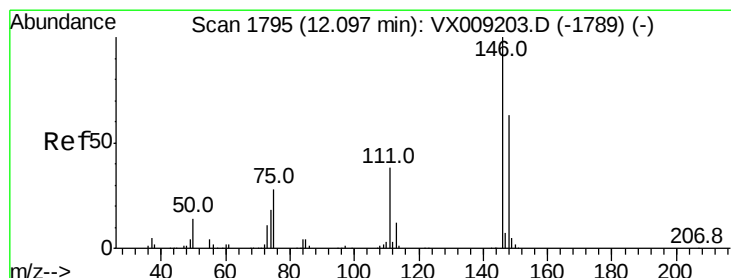
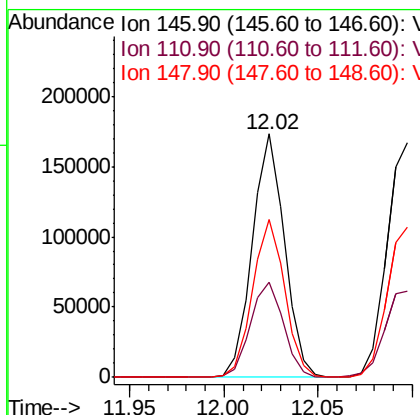
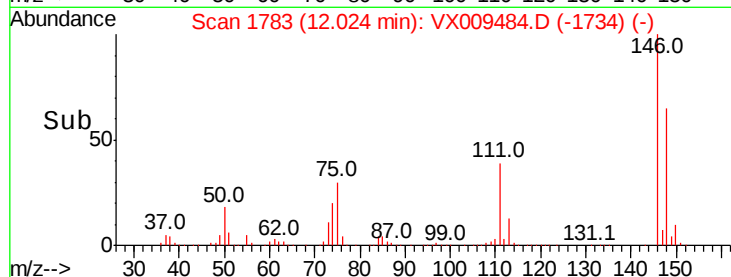
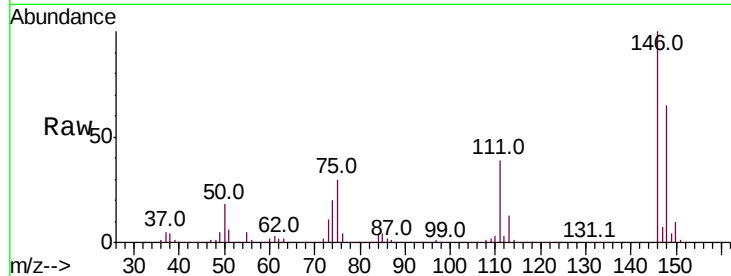
#87
 1,3-Dichlorobenzene
 Concen: 50.529 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.6	31.8	95.3

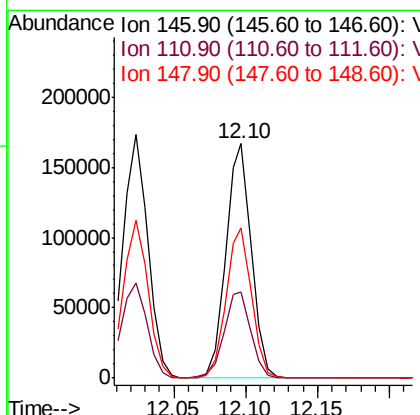
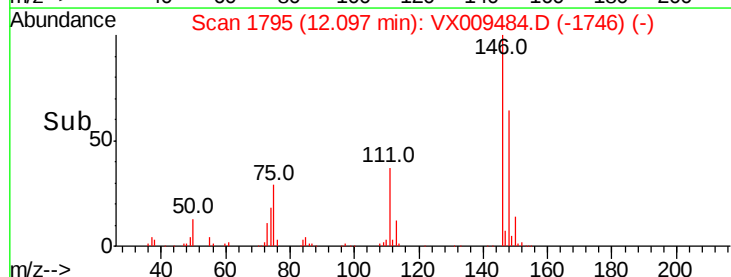
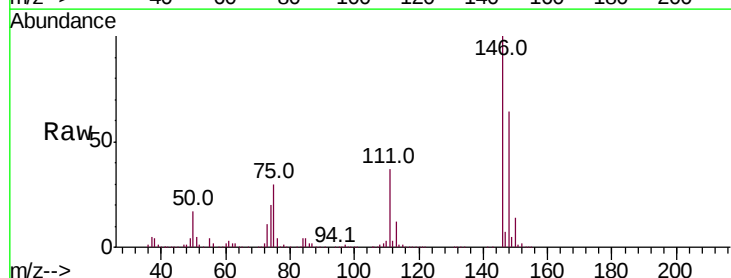
Manual Integrations
 APPROVED

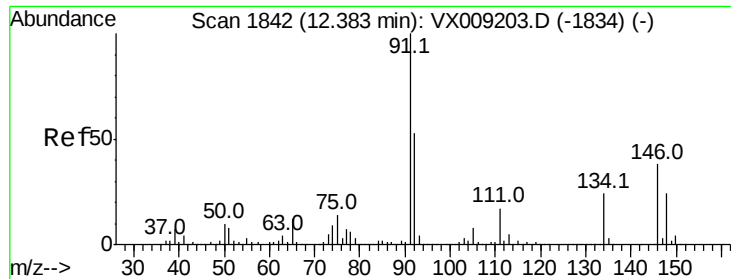
MMDadoda
 5/11/2019 11:52:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.472 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	64.1	31.8	95.3





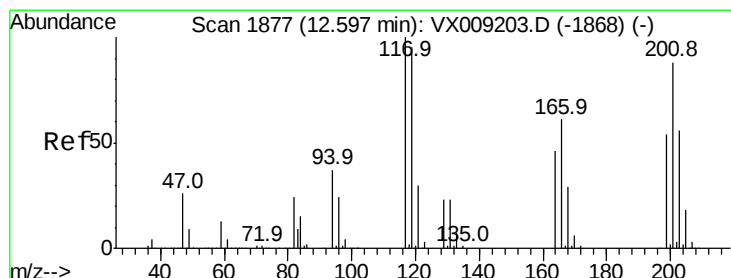
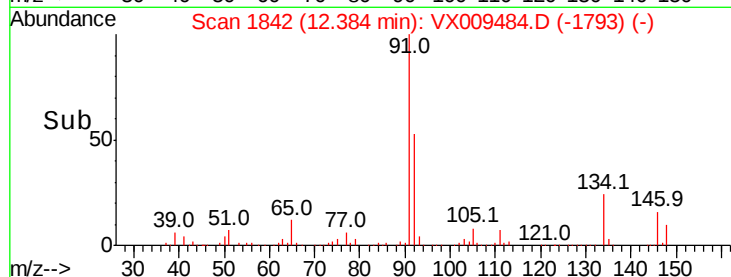
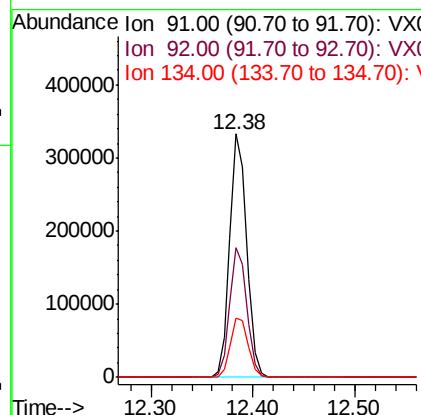
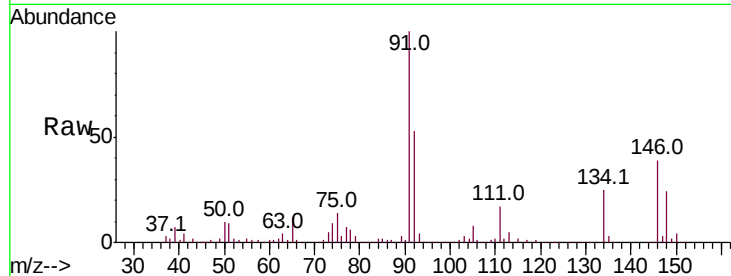
#89
n-Butylbenzene
Concen: 53.069 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	25.3	12.4	37.2

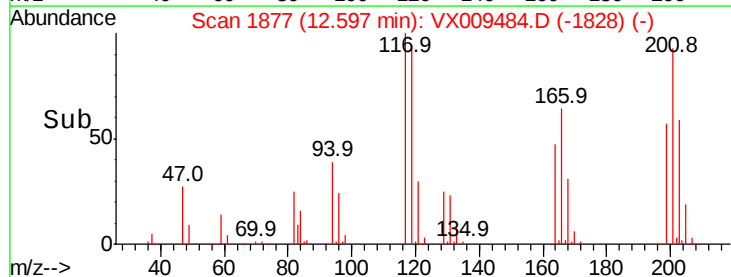
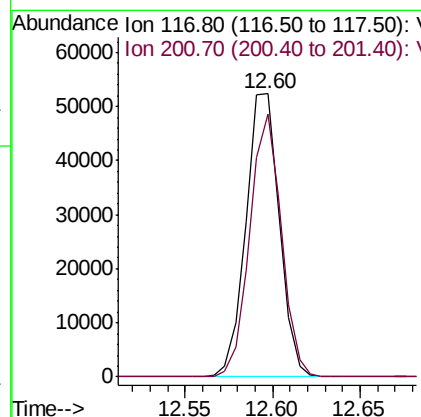
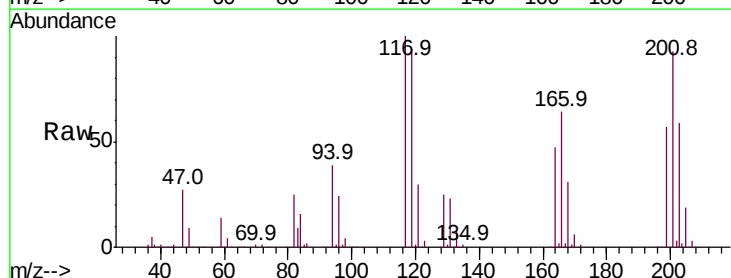
Manual Integrations
APPROVED

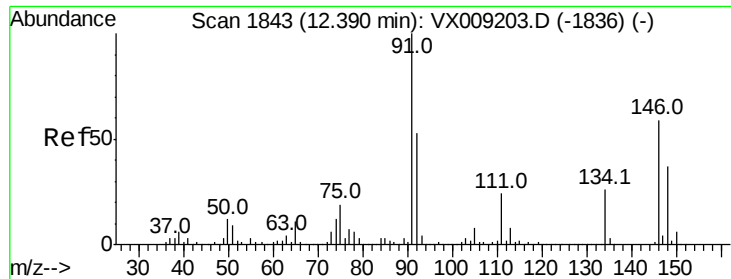
MMDadoda
5/11/2019 11:52:52 AM



#90
Hexachloroethane
Concen: 50.995 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	42.3	126.9





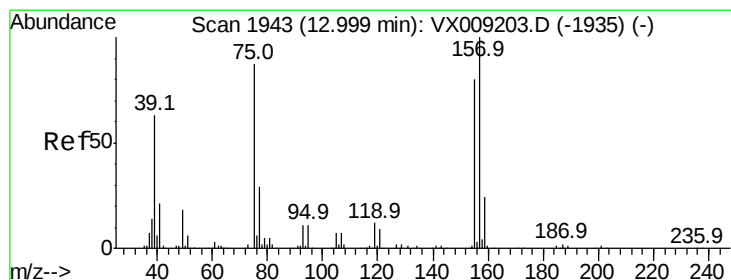
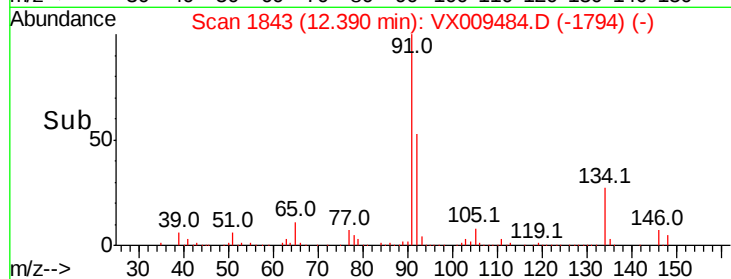
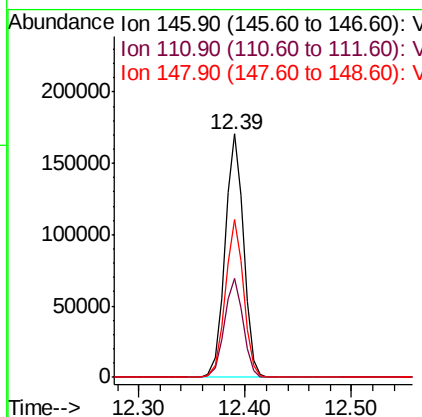
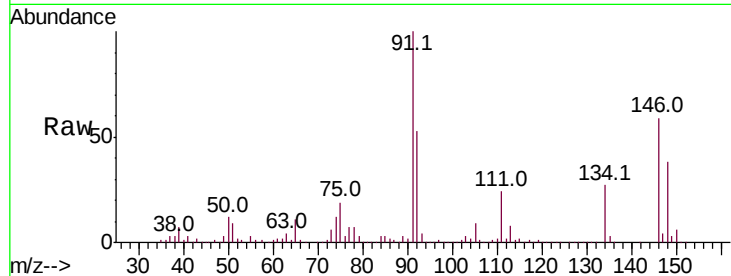
#91
 1,2-Dichlorobenzene
 Concen: 50.182 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	207742		
111	40.8	20.8	62.4	
148	63.5	31.9	95.9	

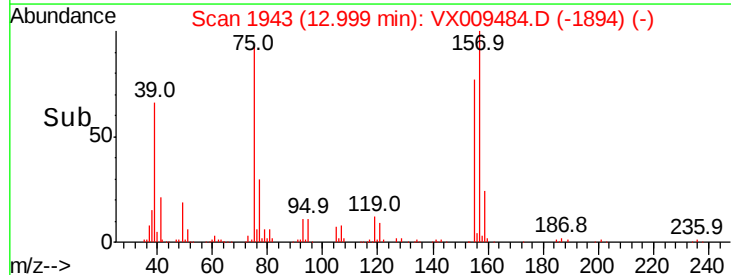
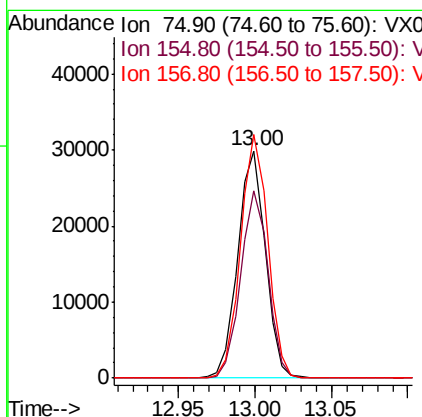
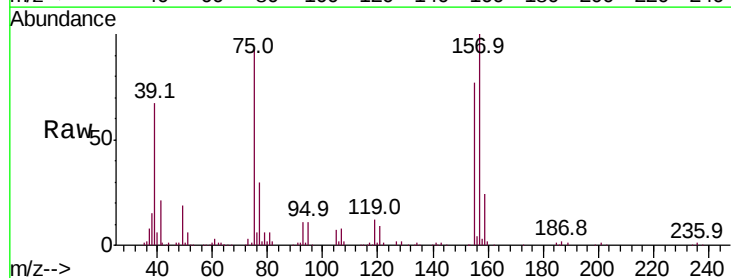
Manual Integrations
 APPROVED

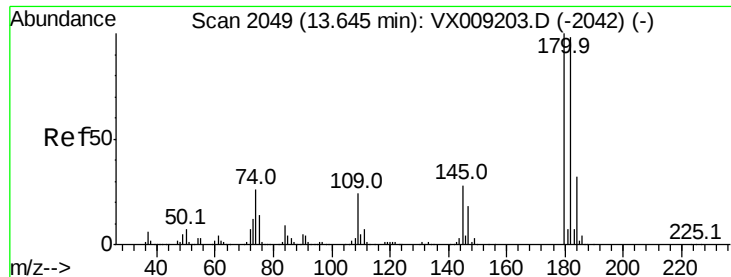
MMDadoda
 5/11/2019 11:52:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.441 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009484.D
 Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37211		
155	82.1	42.0	126.0	
157	106.2	53.2	159.6	





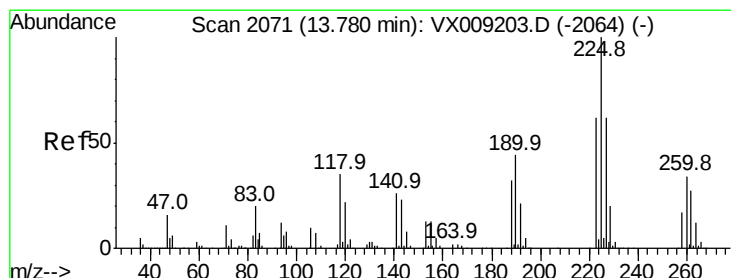
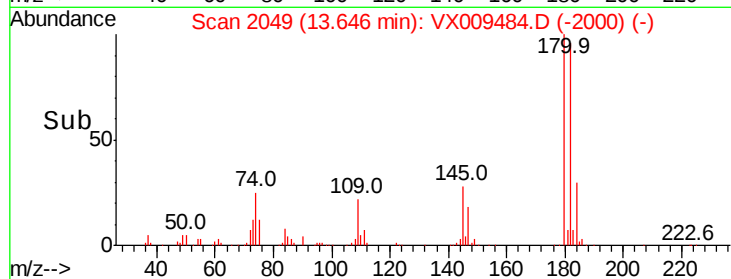
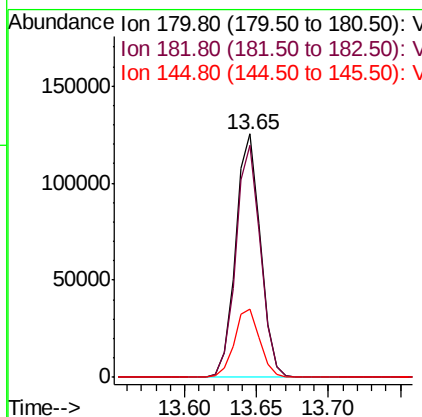
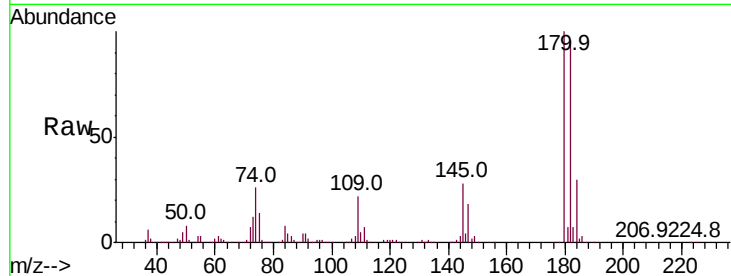
#93
1,2,4-Trichlorobenzene
Concen: 53.203 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	48.4	145.2	
145	28.6	14.6	43.8	

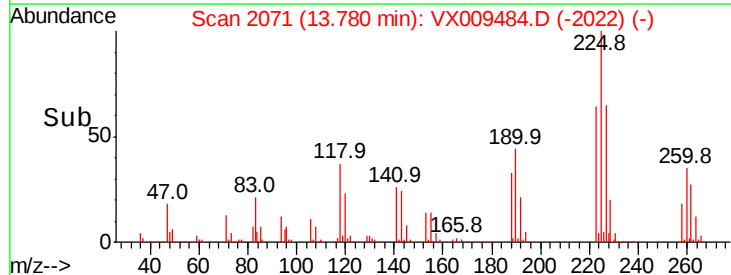
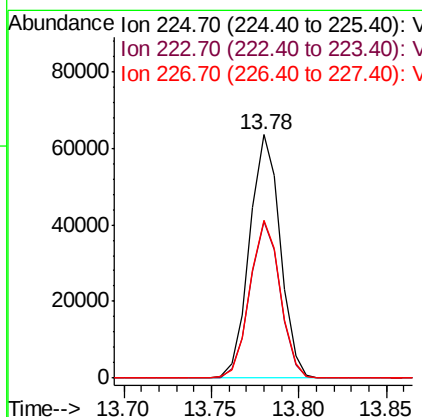
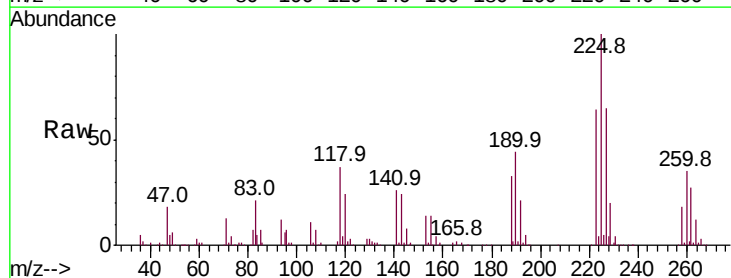
Manual Integrations
APPROVED

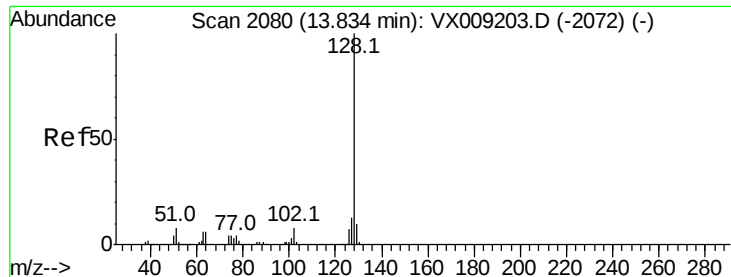
MMDadoda
5/11/2019 11:52:52 AM



#94
Hexachlorobutadiene
Concen: 53.489 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009484.D
Acq: 10 May 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.3	93.8	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 50.174 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Instrument :

MSVOA_X

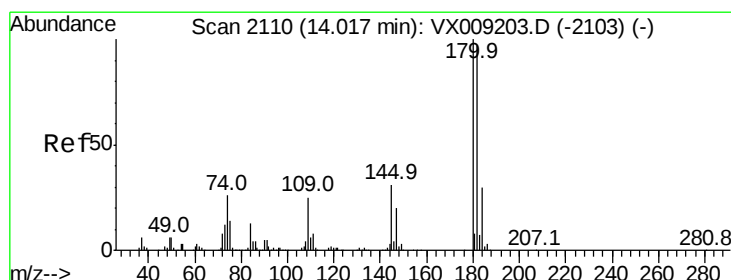
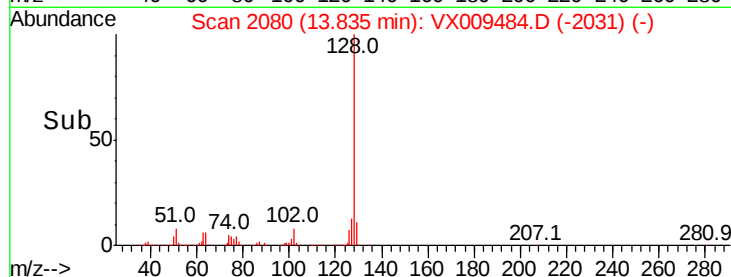
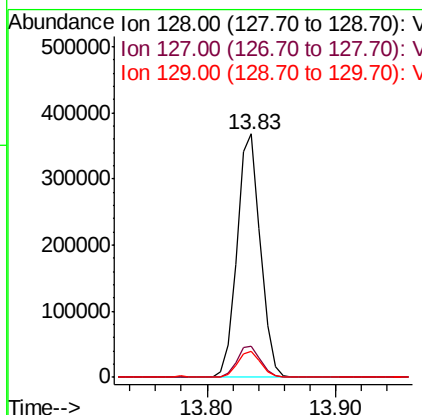
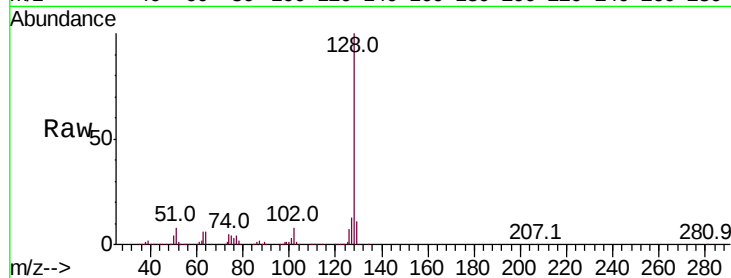
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	462108
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.786 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009484.D

Acq: 10 May 2019 16:05

Tgt Ion:	180	Resp:	148604
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.8	143.4
145	30.3	15.4	46.4

