

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120318\
 Data File : VX006266.D
 Acq On : 03 Dec 2018 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 9:59:00 AM

Quant Time: Dec 04 06:22:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	733704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1095262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	961896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	482180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	367771	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.50	113	356101	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	1263902	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	454632	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	366210	50.976	ug/l	99
3) Chloromethane	1.33	50	333325	45.151	ug/l	97
4) Vinyl Chloride	1.41	62	377399	47.499	ug/l	100
5) Bromomethane	1.64	94	277796	50.449	ug/l	98
6) Chloroethane	1.72	64	234623	48.161	ug/l	100
7) Trichlorofluoromethane	1.93	101	593367	48.651	ug/l	100
8) Diethyl Ether	2.19	74	221957	48.085	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	337112	48.609	ug/l	99
10) Methyl Iodide	2.51	142	515114	49.286	ug/l	99
11) Tert butyl alcohol	3.07	59	464854	226.943	ug/l	100
12) 1,1-Dichloroethene	2.37	96	317944	47.890	ug/l	96
13) Acrolein	2.30	56	251501	224.646	ug/l	99
14) Allyl chloride	2.73	41	600433	45.783	ug/l	99
15) Acrylonitrile	3.15	53	1005021	235.127	ug/l	100
16) Acetone	2.45	43	831731	236.625	ug/l	98
17) Carbon Disulfide	2.57	76	923564	45.145	ug/l	98
18) Methyl Acetate	2.78	43	575451	48.955	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	1134934	47.920	ug/l	98
20) Methylene Chloride	2.86	84	349208	46.681	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	337384	47.687	ug/l	96
22) Diisopropyl ether	3.87	45	1013453	49.474	ug/l	99
23) Vinyl Acetate	3.82	43	4264888	244.104	ug/l	99
24) 1,1-Dichloroethane	3.70	63	570237	48.703	ug/l	99
25) 2-Butanone	4.70	43	1206214	240.503	ug/l	98
26) 2,2-Dichloropropane	4.59	77	481369	44.548	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	392266	49.706	ug/l	99
28) Bromochloromethane	5.02	49	254983	49.858	ug/l	99
29) Tetrahydrofuran	5.15	42	832790	238.918	ug/l	100
30) Chloroform	5.22	83	610274	49.599	ug/l	97
31) Cyclohexane	5.57	56	520310	48.086	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	577733	49.349	ug/l	100
36) 1,1-Dichloropropene	5.80	75	454187	49.244	ug/l	99
37) Ethyl Acetate	4.85	43	482002	46.666	ug/l	99
38) Carbon Tetrachloride	5.79	117	533130	49.135	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120318\
 Data File : VX006266.D
 Acq On : 03 Dec 2018 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 9:59:00 AM

Quant Time: Dec 04 06:22:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	581029	48.532	ug/l	99
40) Benzene	6.14	78	1361130	49.273	ug/l	98
41) Methacrylonitrile	5.06	41	267540	47.073	ug/l	99
42) 1,2-Dichloroethane	6.20	62	448258	49.581	ug/l	100
43) Isopropyl Acetate	6.46	43	805153	46.754	ug/l	99
44) Trichloroethene	7.21	130	409032	48.877	ug/l	96
45) 1,2-Dichloropropane	7.52	63	341131	48.588	ug/l	97
46) Dibromomethane	7.66	93	250344	49.372	ug/l	98
47) Bromodichloromethane	7.90	83	488337	49.732	ug/l	99
48) Methyl methacrylate	7.77	41	394507	47.089	ug/l	97
49) 1,4-Dioxane	7.75	88	194685	942.853	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2337327	233.146	ug/l	99
52) Toluene	8.79	92	875223	48.158	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	543128	47.296	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	569674	47.773	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	367381	49.758	ug/l	98
56) Ethyl methacrylate	9.18	69	542240	46.978	ug/l	99
57) 1,3-Dichloropropane	9.37	76	576986	49.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1399953	239.012	ug/l	100
59) 2-Hexanone	9.49	43	1740388	227.227	ug/l	99
60) Dibromochloromethane	9.59	129	438619	48.177	ug/l	100
61) 1,2-Dibromoethane	9.67	107	397847	48.191	ug/l	100
64) Tetrachloroethene	9.34	164	366852	50.643	ug/l	99
65) Chlorobenzene	10.14	112	1010822	49.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	398688	50.254	ug/l	99
67) Ethyl Benzene	10.25	91	1659980	48.879	ug/l	99
68) m/p-Xylenes	10.36	106	1313167	96.530	ug/l	99
69) o-Xylene	10.70	106	648663	48.274	ug/l	99
70) Styrene	10.71	104	1045009	48.084	ug/l	99
71) Bromoform	10.86	173	353090	47.147	ug/l #	98
73) Isopropylbenzene	11.02	105	1702014	51.113	ug/l	100
74) N-amyl acetate	10.90	43	682428	47.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	526788	49.450	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	492439m	52.911	ug/l	
77) Bromobenzene	11.26	156	458220	49.586	ug/l	99
78) n-propylbenzene	11.36	91	1877368	50.719	ug/l	100
79) 2-Chlorotoluene	11.42	91	1098136	49.915	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1380201	49.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	184195	46.445	ug/l	94
82) 4-Chlorotoluene	11.51	91	1265381	49.470	ug/l	100
83) tert-Butylbenzene	11.77	119	1464876	49.555	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1427843	49.910	ug/l	100
85) sec-Butylbenzene	11.94	105	1697769	50.485	ug/l	99
86) p-Isopropyltoluene	12.07	119	1513673	49.986	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	811961	49.380	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	814019	48.775	ug/l	100
89) n-Butylbenzene	12.39	91	1272088	49.233	ug/l	100
90) Hexachloroethane	12.60	117	305210	49.452	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	799066	48.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	129307	47.351	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120318\
Data File : VX006266.D
Acq On : 03 Dec 2018 20:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

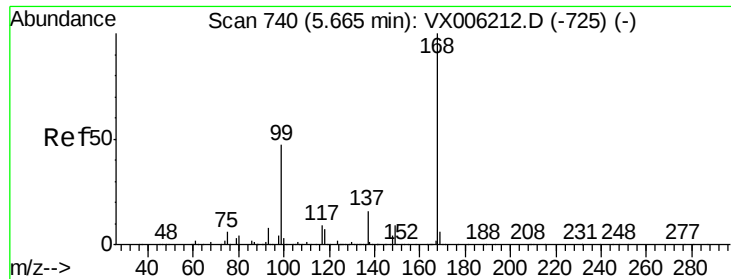
Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM

Quant Time: Dec 04 06:22:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	572319	48.071	ug/l	99
94) Hexachlorobutadiene	13.79	225	258334	49.064	ug/l	100
95) Naphthalene	13.83	128	1844923	49.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	577180	48.945	ug/l	99

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



#1

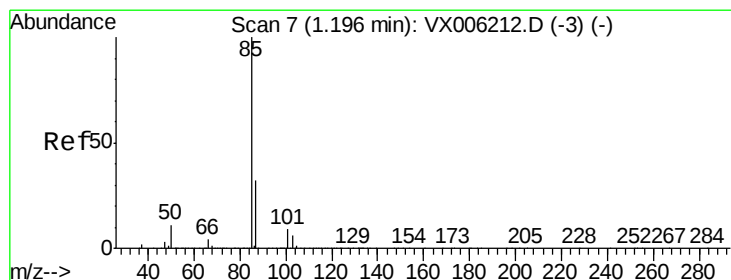
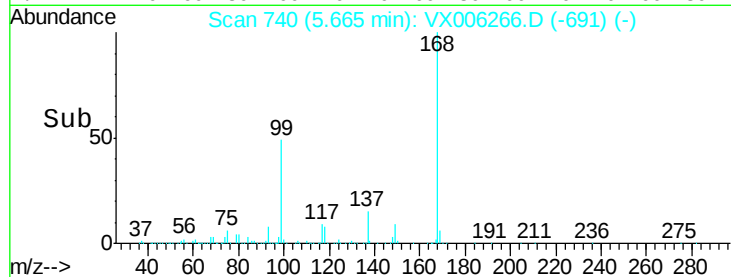
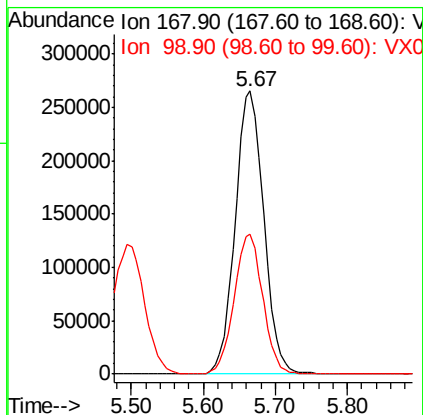
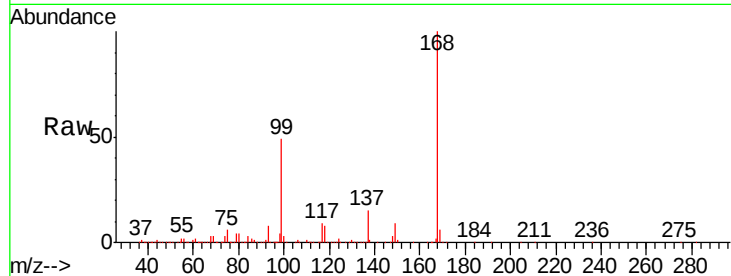
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
168	100		
99	49.3	37.8	56.8

Manual Integrations
 APPROVED

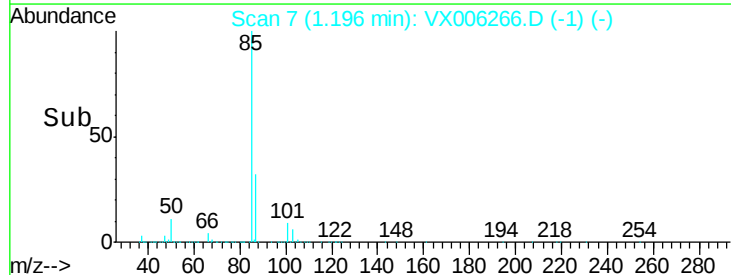
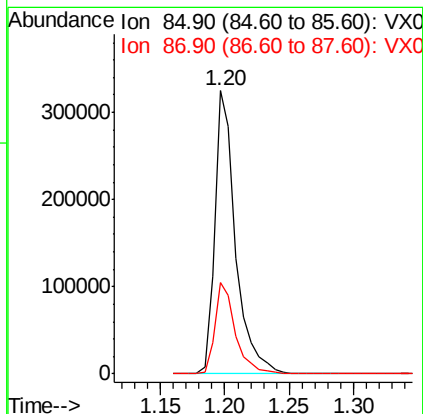
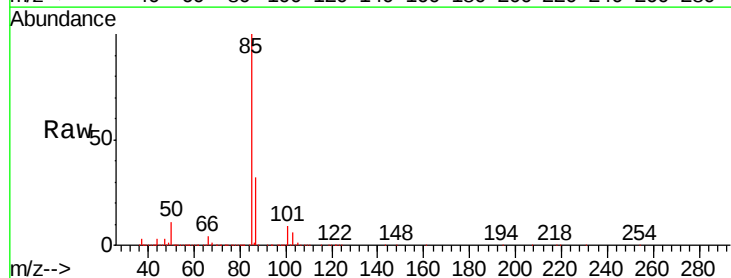
MMDadoda
 12/4/2018 9:59:00 AM

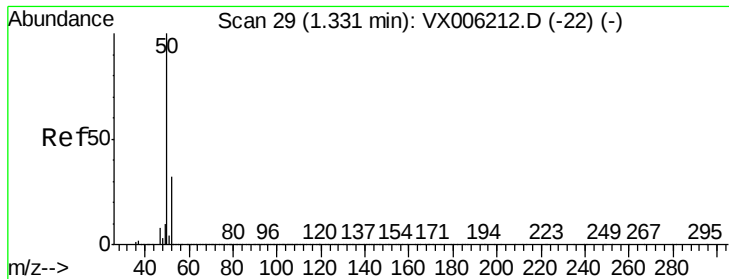


#2

Dichlorodifluoromethane
 Concen: 50.976 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.1	48.2





#3

Chloromethane

Concen: 45.151 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 333325

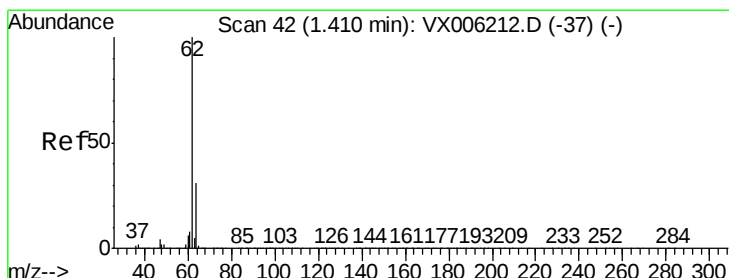
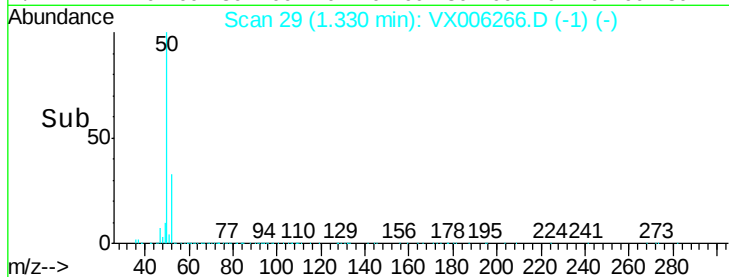
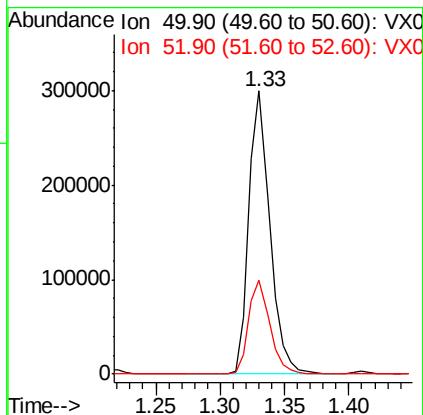
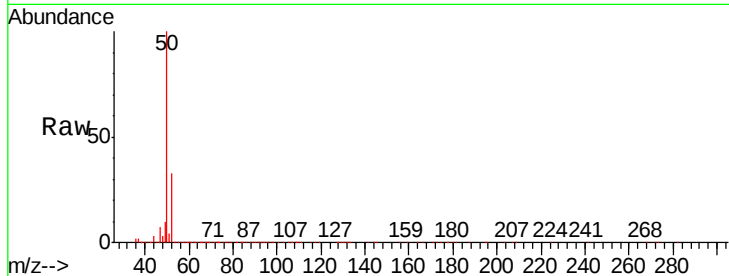
Ion Ratio Lower Upper

50 100

52 33.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#4

Vinyl Chloride

Concen: 47.499 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006266.D

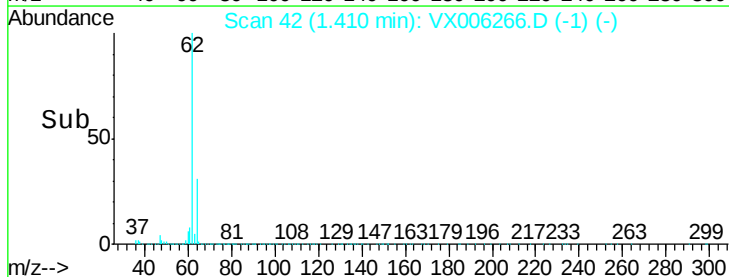
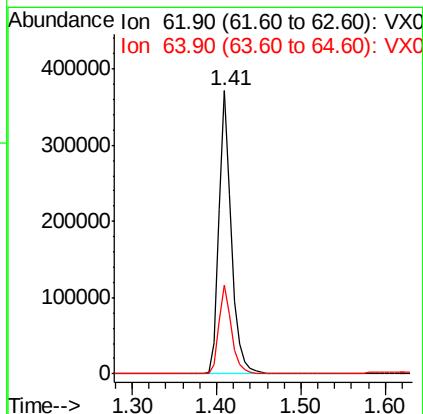
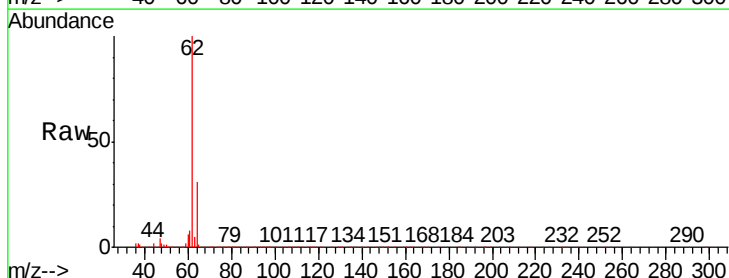
Acq: 03 Dec 2018 20:57

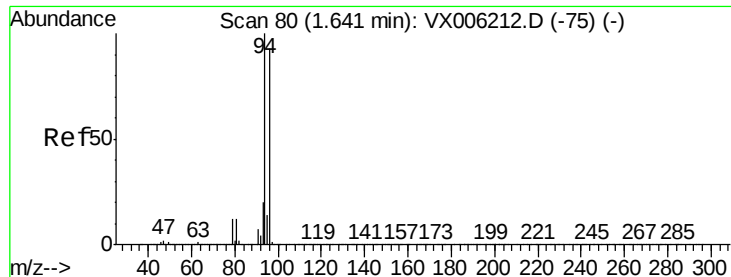
Tgt Ion: 62 Resp: 377399

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 50.449 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 277796

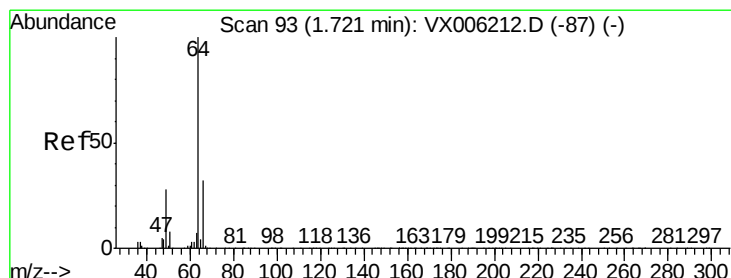
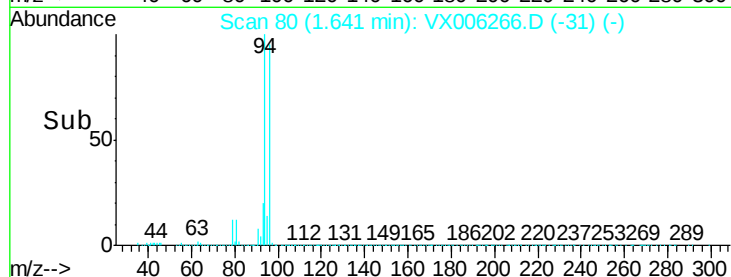
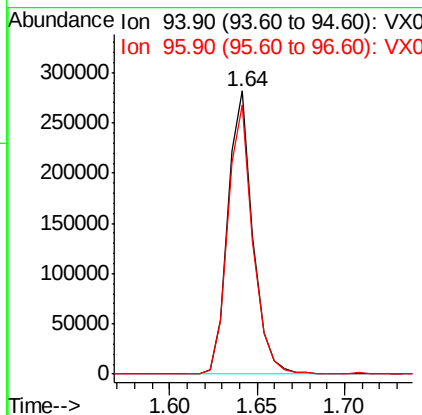
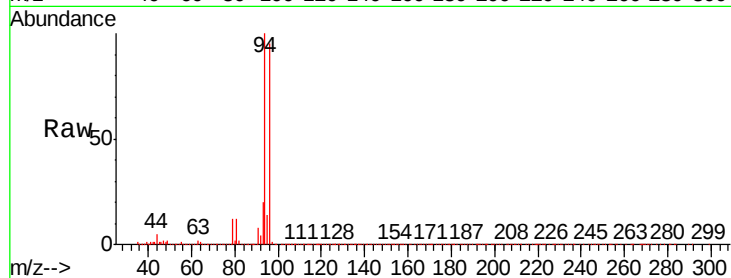
Ion Ratio Lower Upper

94 100

96 95.3 74.5 111.7

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#6

Chloroethane

Concen: 48.161 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX006266.D

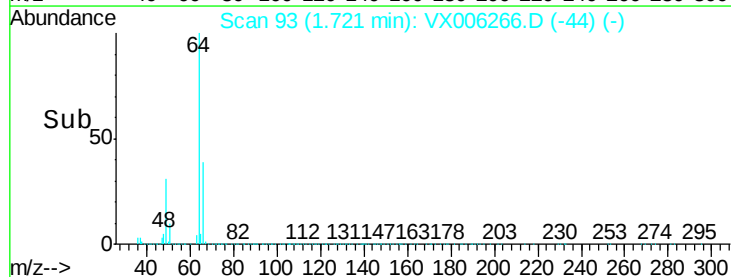
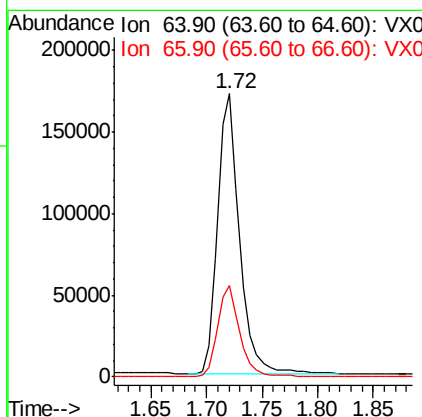
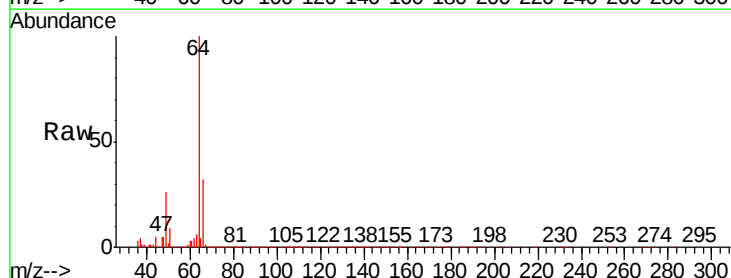
Acq: 03 Dec 2018 20:57

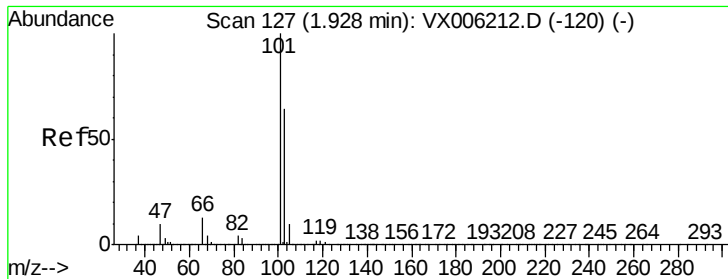
Tgt Ion: 64 Resp: 234623

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9





#7

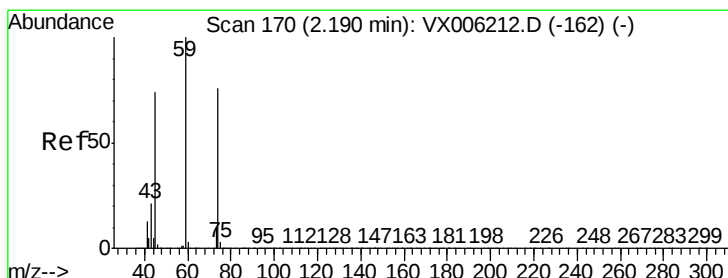
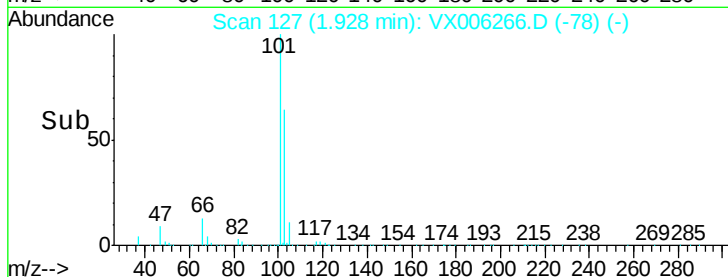
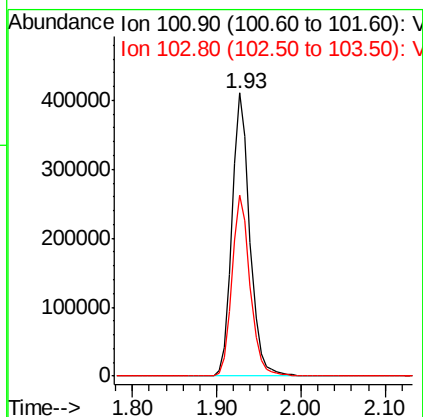
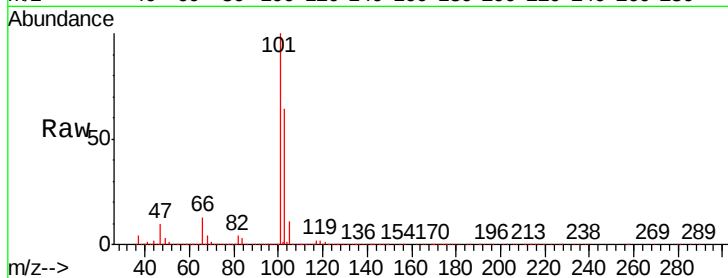
Trichlorofluoromethane
Concen: 48.651 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.0	76.4

Manual Integrations
APPROVED

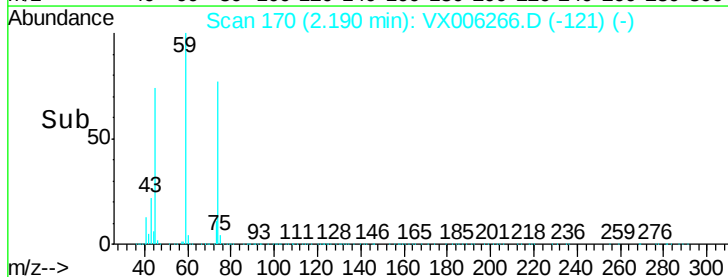
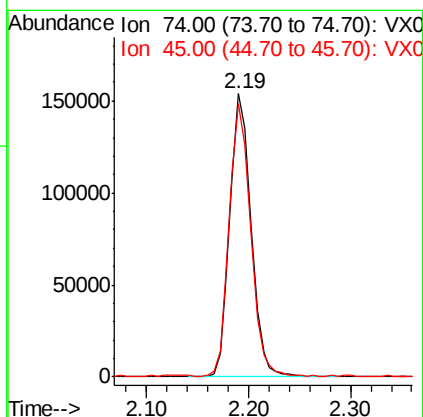
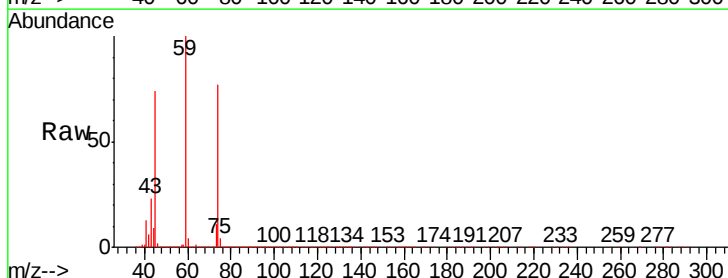
MMDadoda
12/4/2018 9:59:00 AM

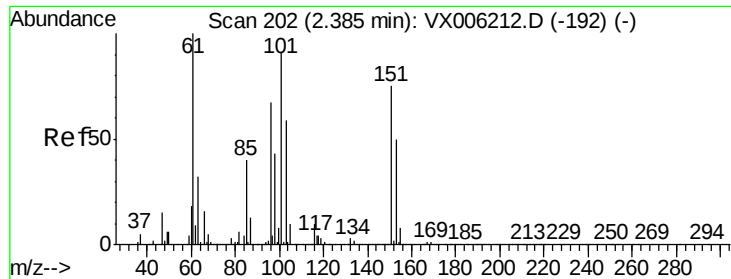


#8

Diethyl Ether
Concen: 48.085 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.609 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

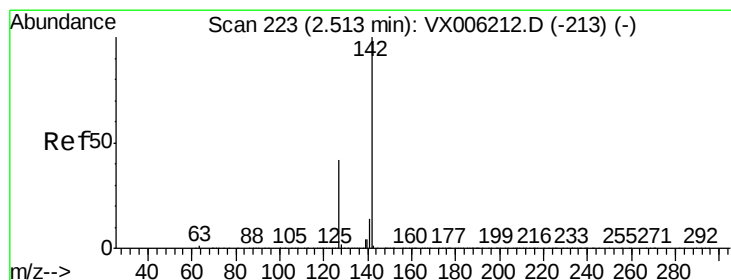
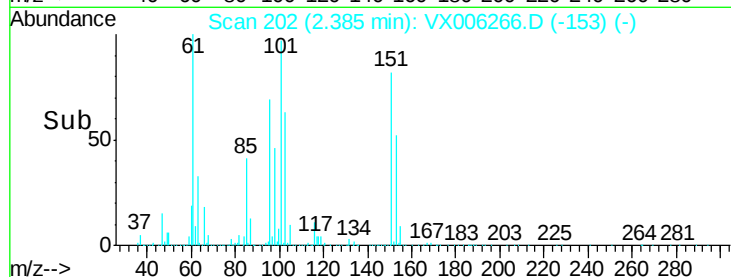
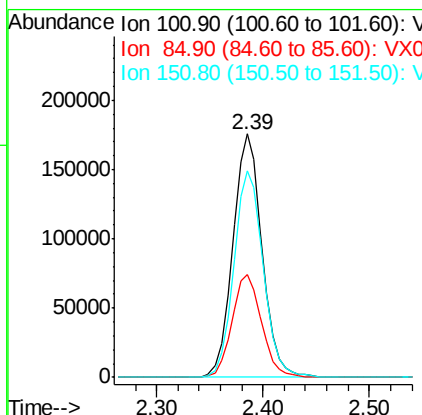
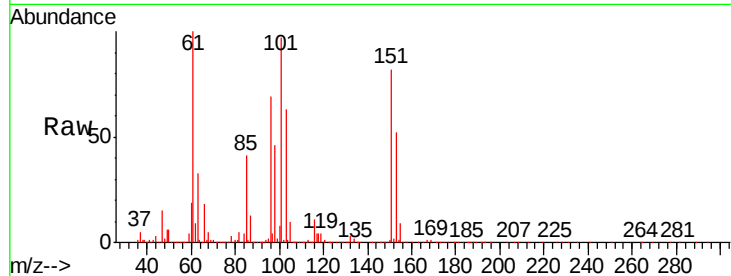
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	337112
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.5	53.3
151	85.6	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#10

Methyl Iodide

Concen: 49.286 ug/l

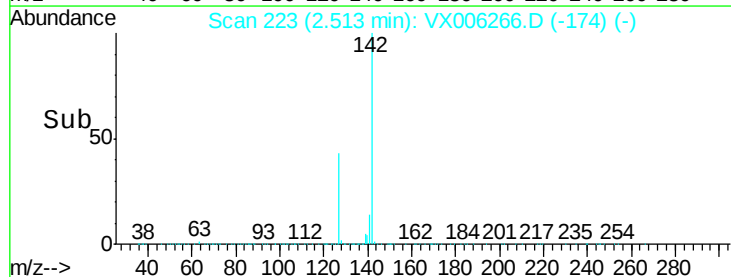
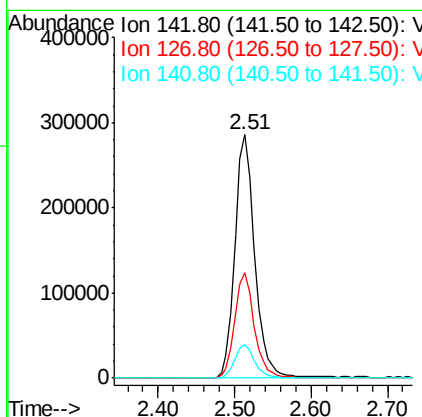
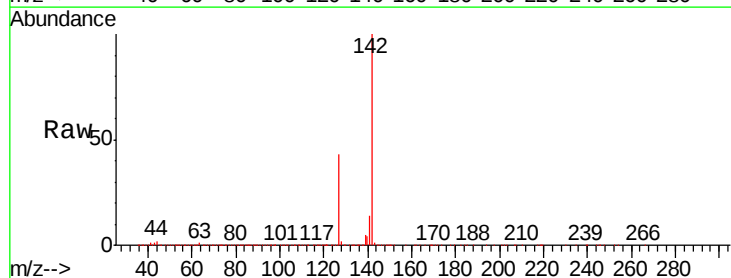
RT: 2.51 min Scan# 223

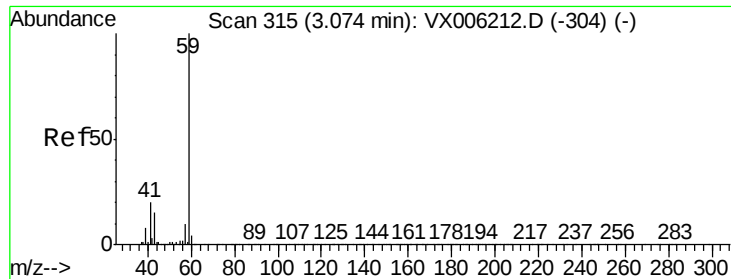
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	142	Resp:	515114
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.8	52.2
141	14.0	11.4	17.2





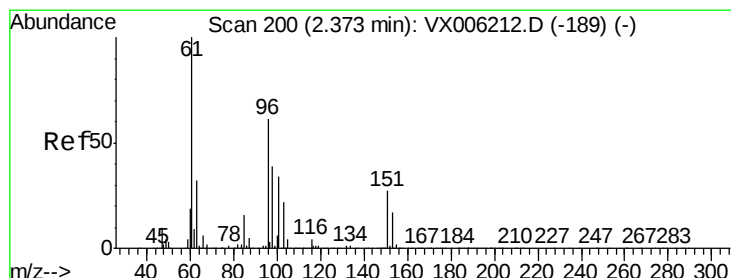
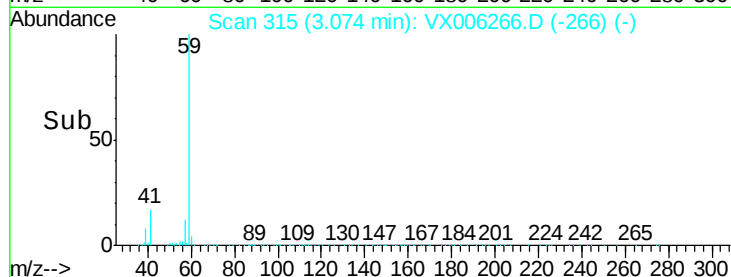
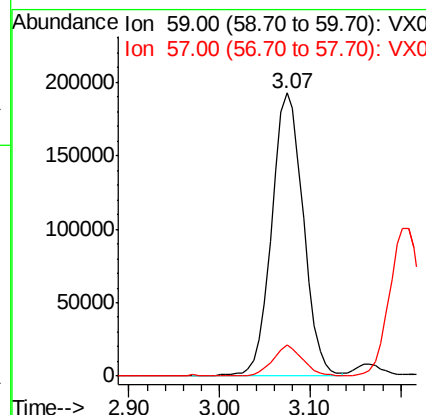
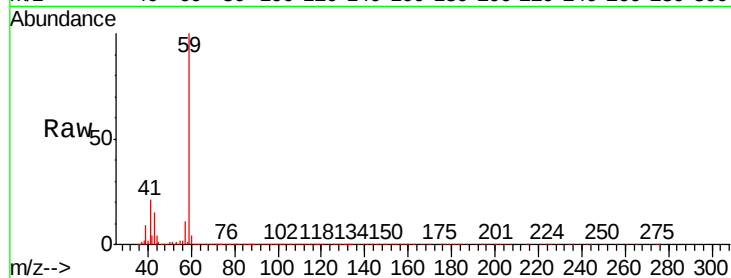
#11
Tert butyl alcohol
Concen: 226.943 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

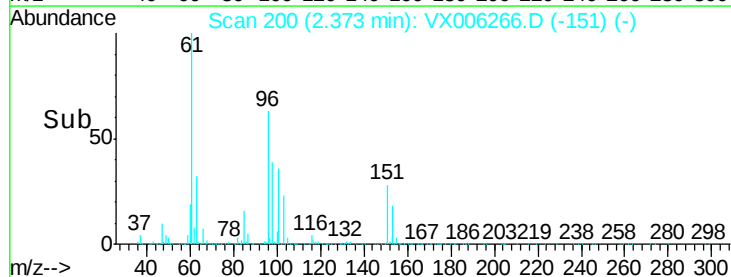
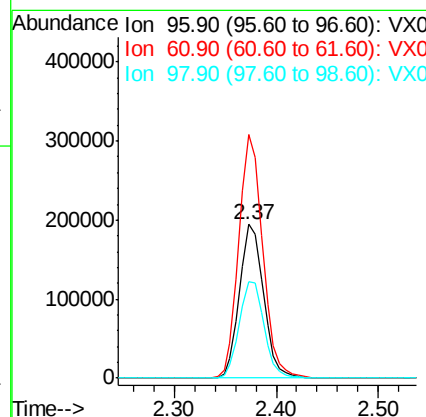
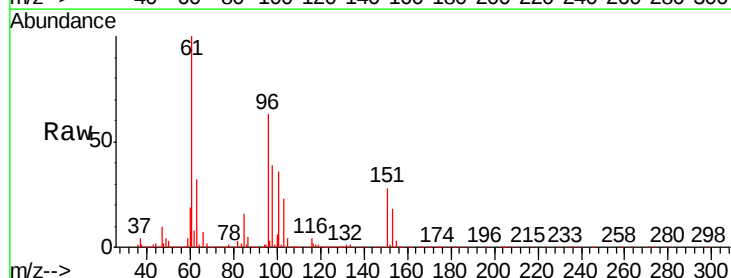
Manual Integrations
APPROVED

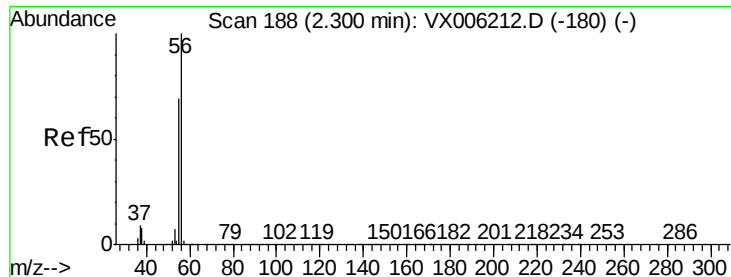
MMDadoda
12/4/2018 9:59:00 AM



#12
1,1-Dichloroethene
Concen: 47.890 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	131.7	197.5
98	62.3	51.8	77.6





#13

Acrolein

Concen: 224.646 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 251501

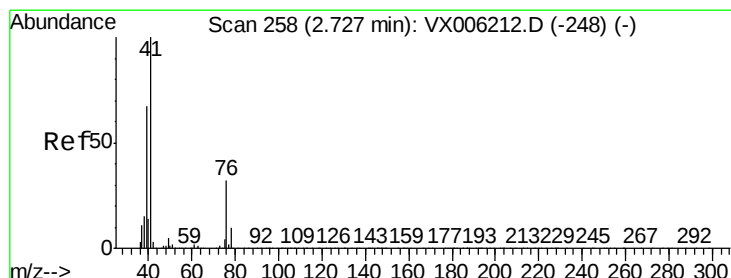
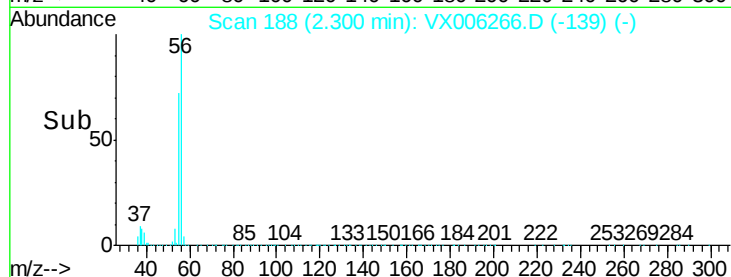
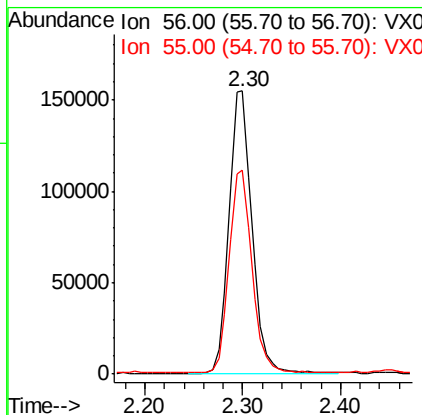
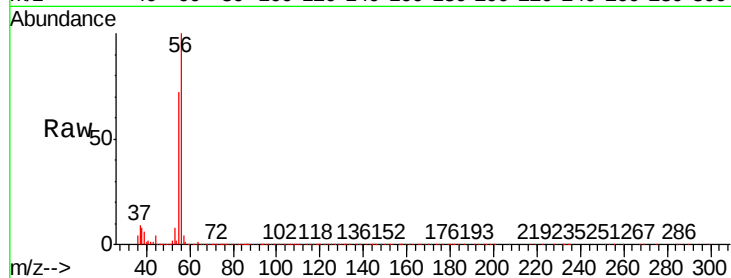
Ion Ratio Lower Upper

56 100

55 71.2 57.8 86.6

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#14

Allyl chloride

Concen: 45.783 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

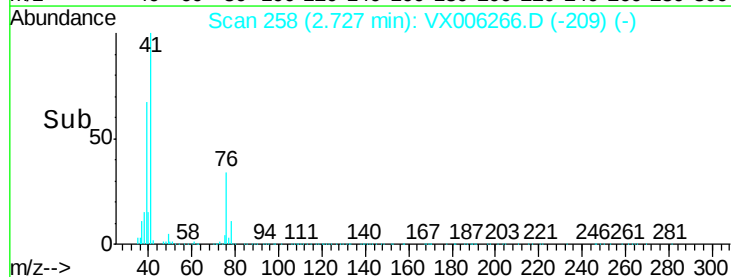
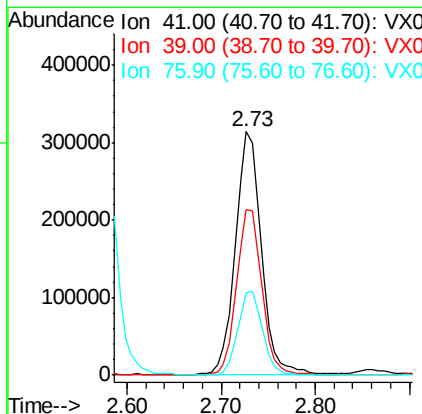
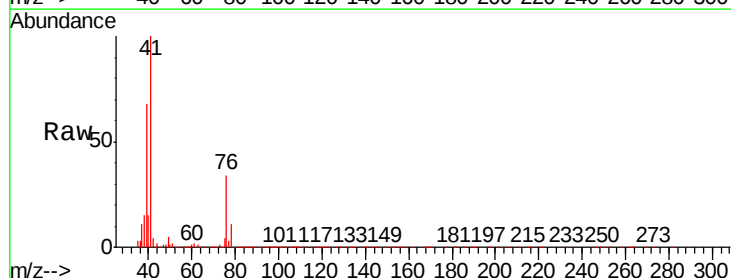
Tgt Ion: 41 Resp: 600433

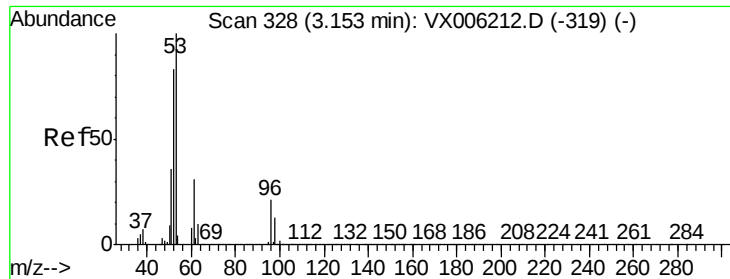
Ion Ratio Lower Upper

41 100

39 66.0 52.4 78.6

76 32.9 25.4 38.0





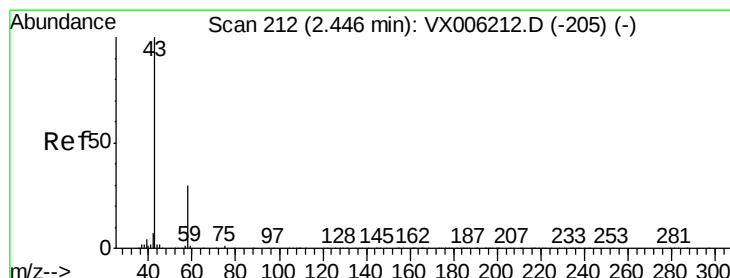
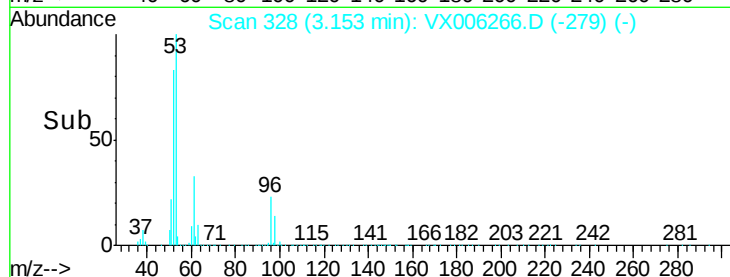
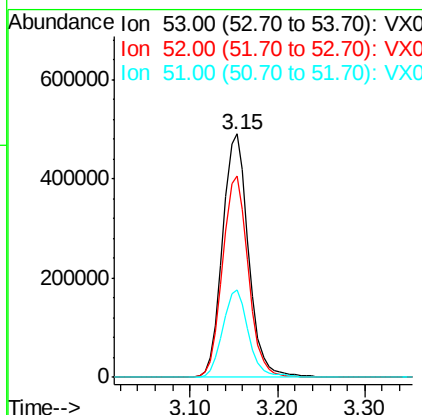
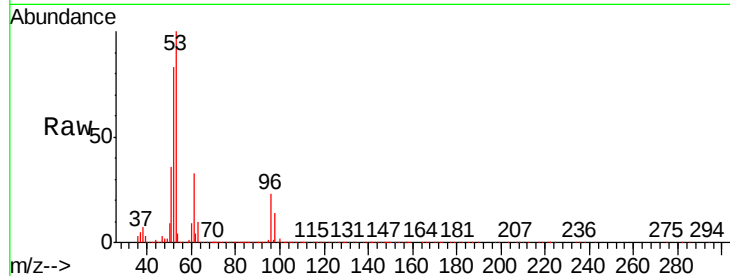
#15
Acrylonitrile
Concen: 235.127 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 1005021
Ion Ratio Lower Upper
53 100
52 82.4 66.2 99.4
51 35.8 28.7 43.1

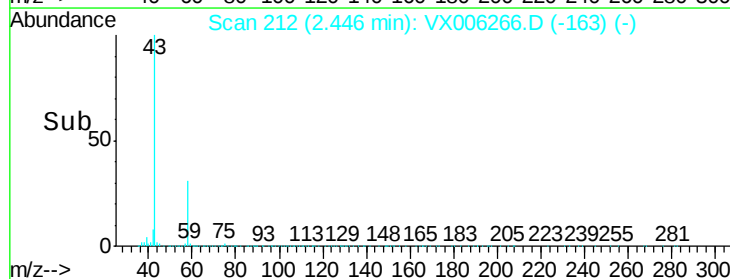
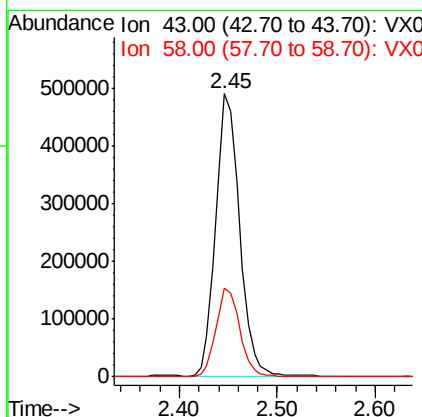
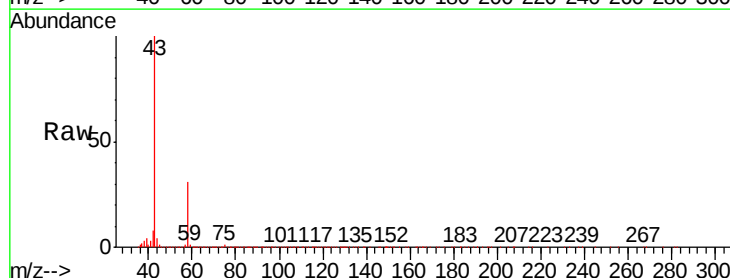
Manual Integrations
APPROVED

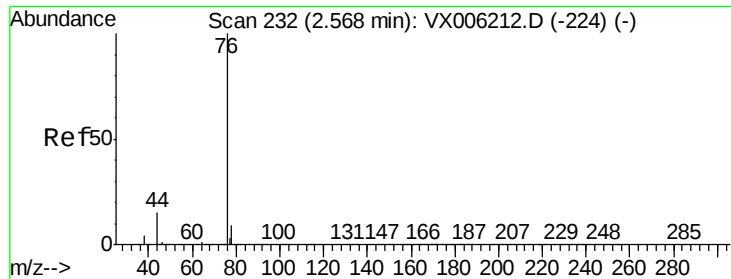
MMDadoda
12/4/2018 9:59:00 AM



#16
Acetone
Concen: 236.625 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 43 Resp: 831731
Ion Ratio Lower Upper
43 100
58 31.2 24.0 36.0





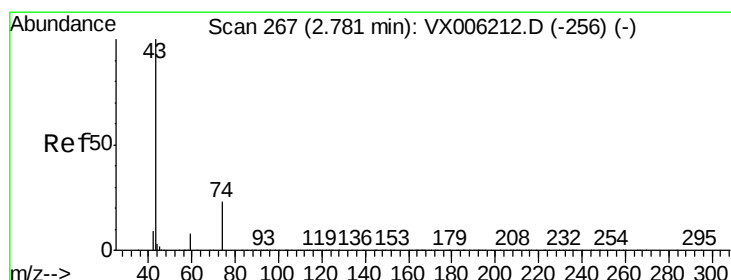
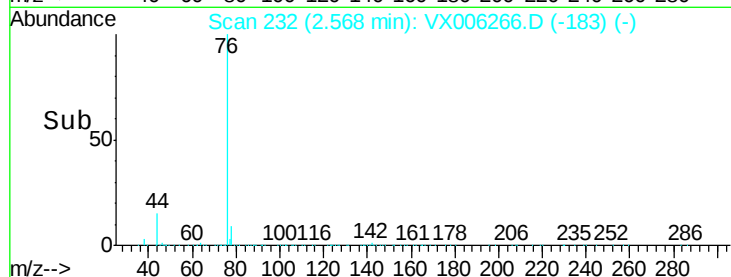
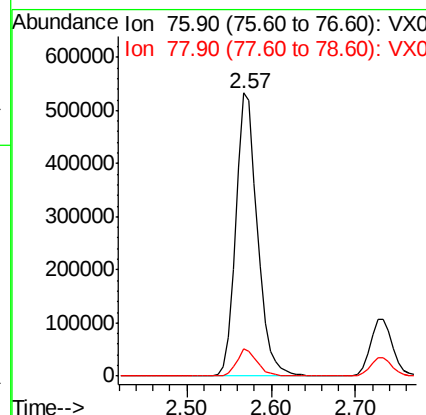
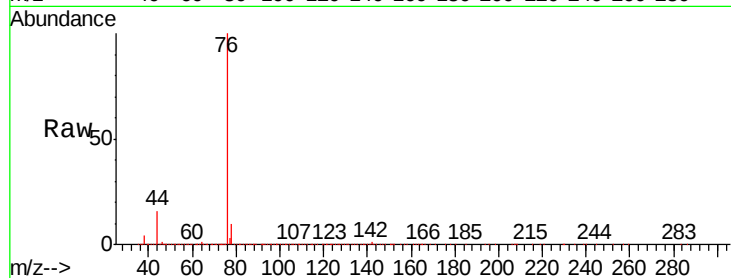
#17
Carbon Disulfide
Concen: 45.145 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

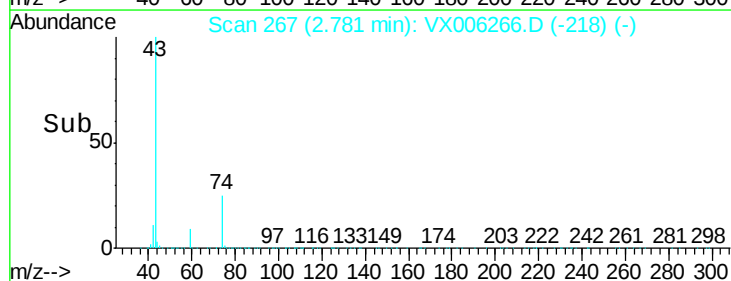
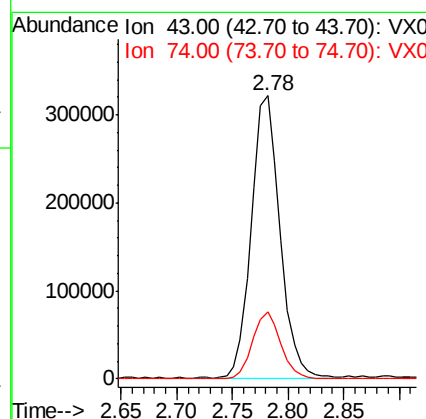
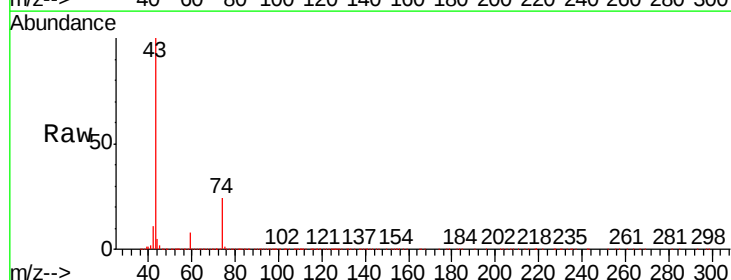
Manual Integrations
APPROVED

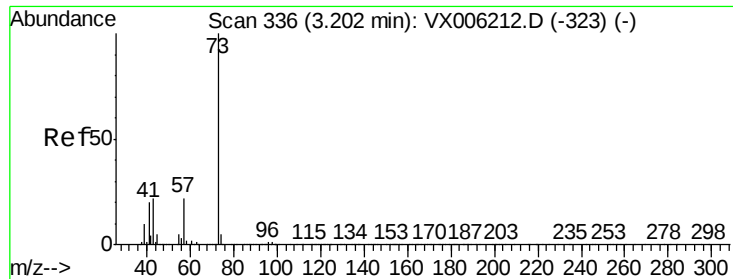
MMDadoda
12/4/2018 9:59:00 AM



#18
Methyl Acetate
Concen: 48.955 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.9	26.9





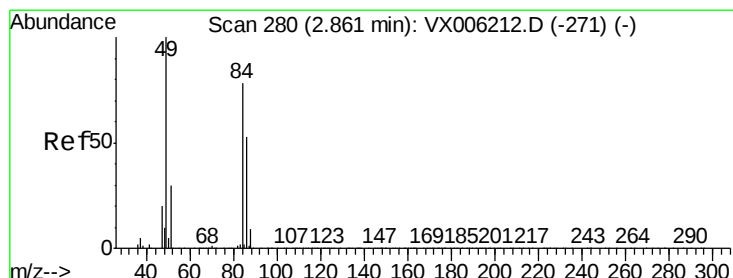
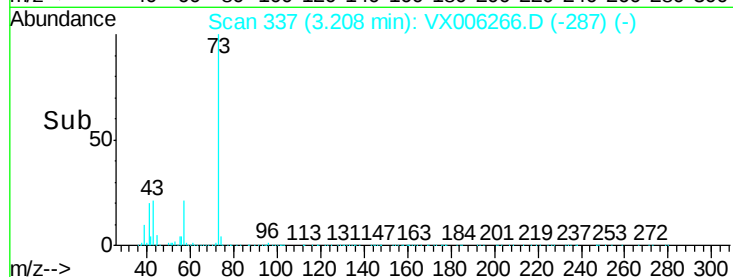
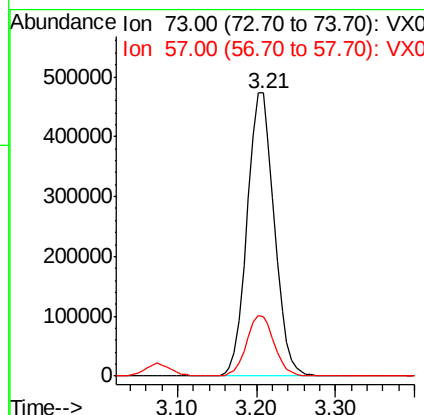
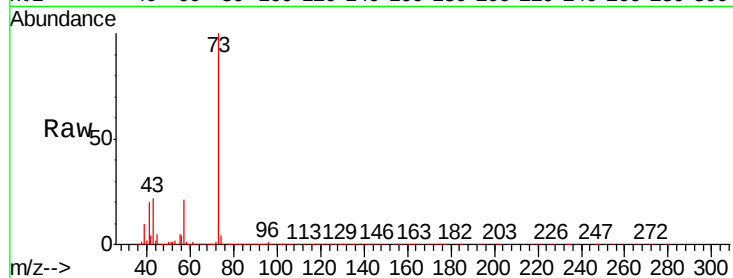
#19
Methyl tert-butyl Ether
Concen: 47.920 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1134934
Ion Ratio Lower Upper
73 100
57 21.0 17.5 26.3

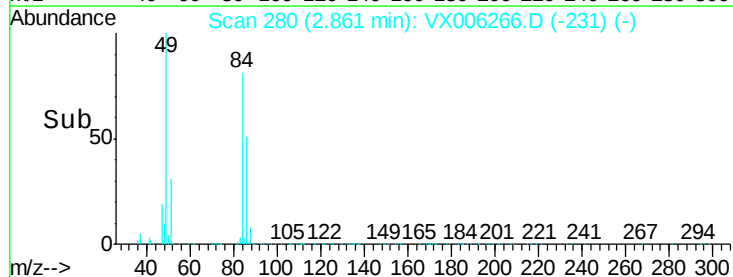
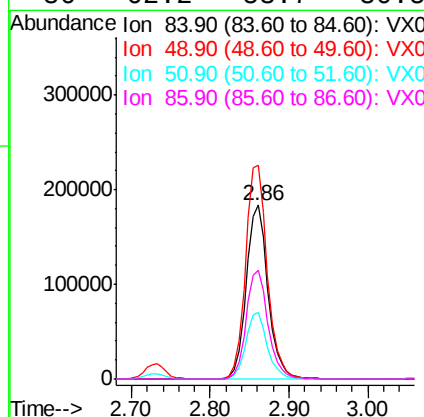
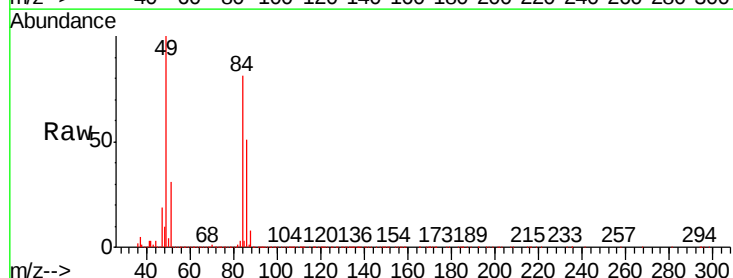
Manual Integrations
APPROVED

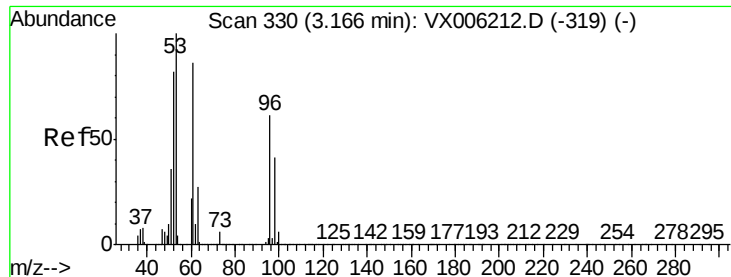
MMDadoda
12/4/2018 9:59:00 AM



#20
Methylene Chloride
Concen: 46.681 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 84 Resp: 349208
Ion Ratio Lower Upper
84 100
49 122.6 102.2 153.4
51 37.9 31.1 46.7
86 62.2 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 47.687 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

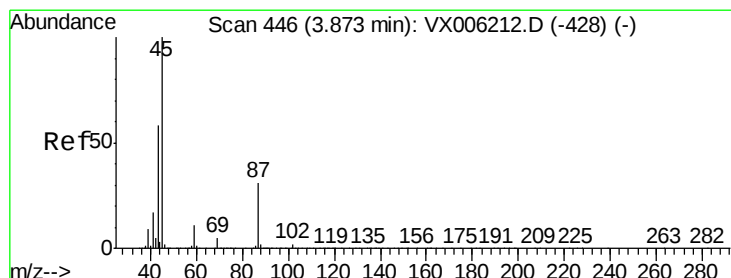
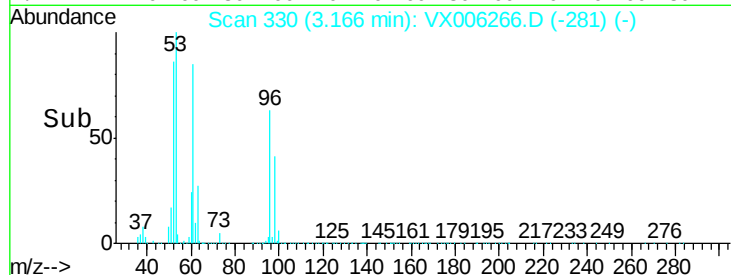
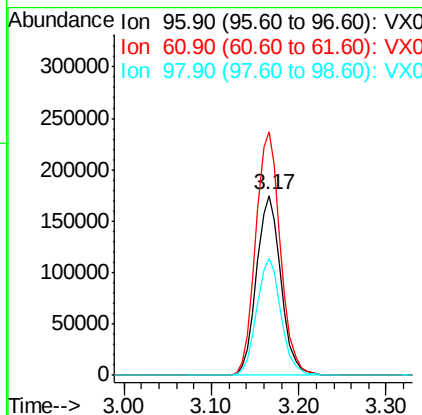
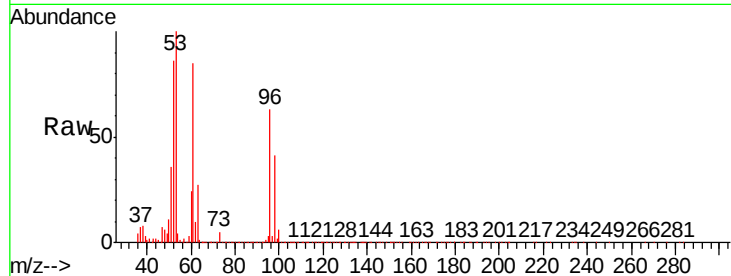
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	337384
Ion Ratio	Lower	Upper	
96	100		
61	135.4	113.3	169.9
98	65.0	53.2	79.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#22

Diisopropyl ether

Concen: 49.474 ug/l

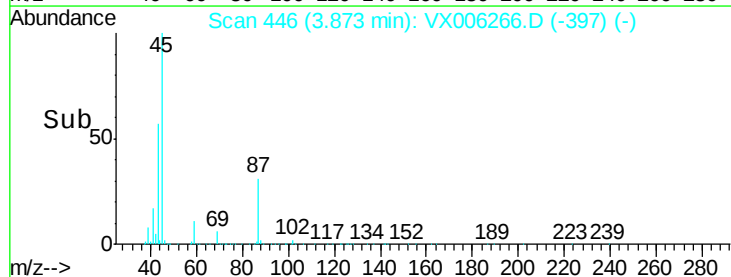
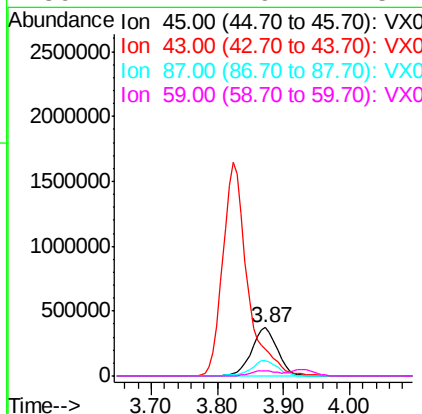
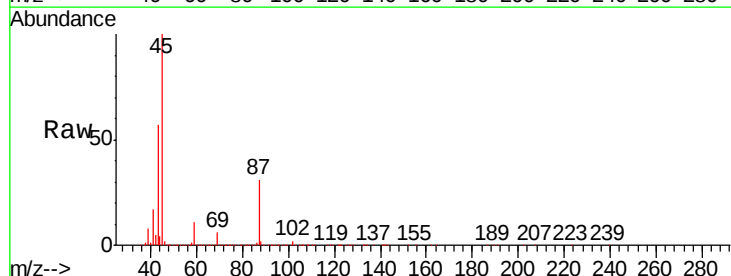
RT: 3.87 min Scan# 446

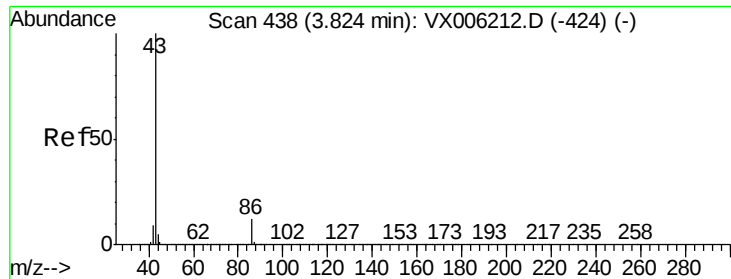
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	45	Resp:	1013453
Ion Ratio	Lower	Upper	
45	100		
43	57.0	46.2	69.2
87	31.3	24.9	37.3
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 244.104 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 4264888

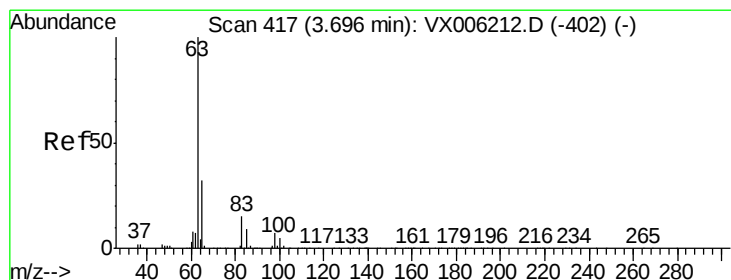
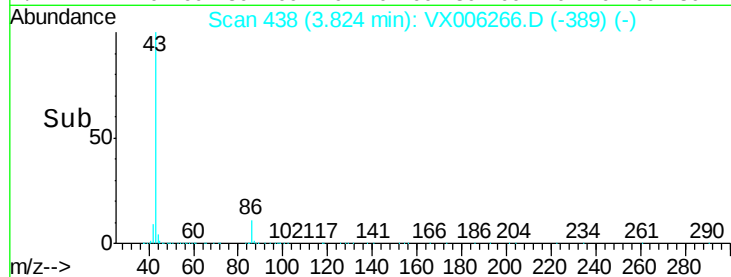
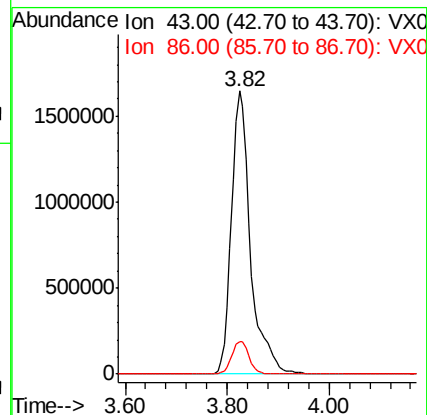
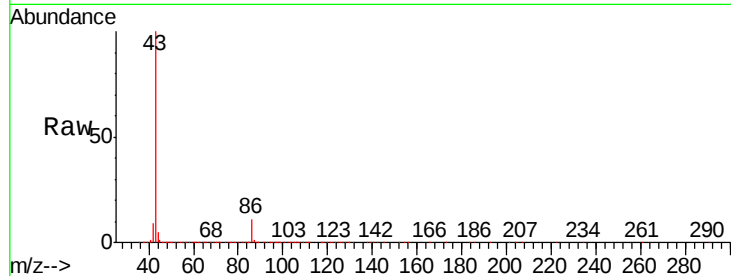
Ion Ratio Lower Upper

43 100

86 11.4 9.4 14.0

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#24

1,1-Dichloroethane

Concen: 48.703 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

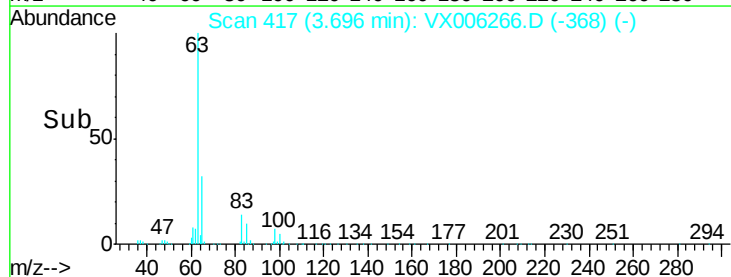
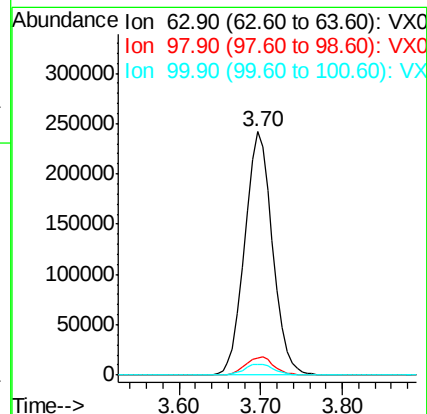
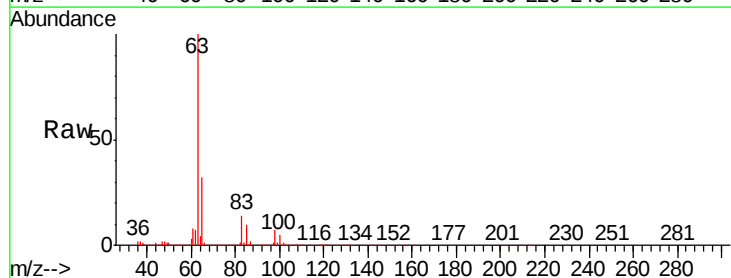
Tgt Ion: 63 Resp: 570237

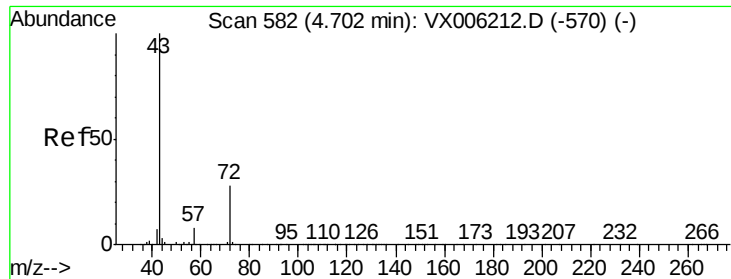
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 240.503 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1206214

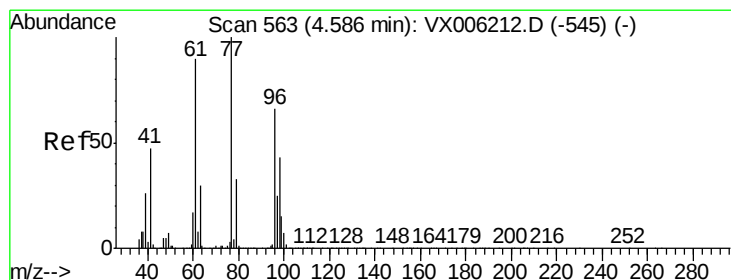
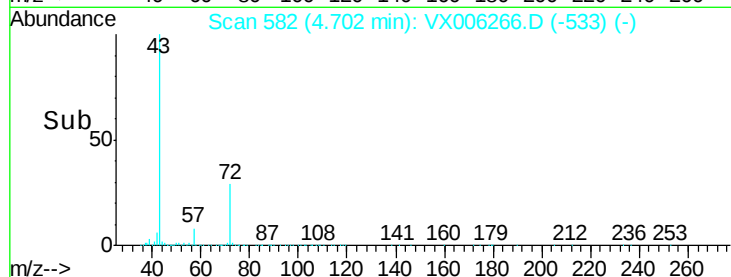
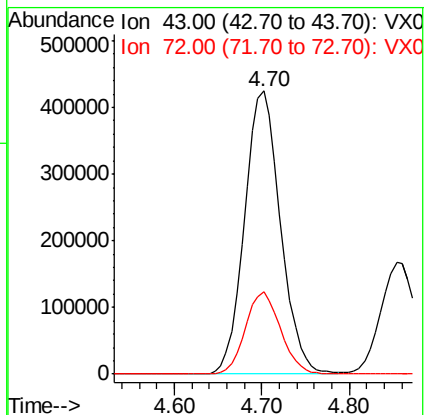
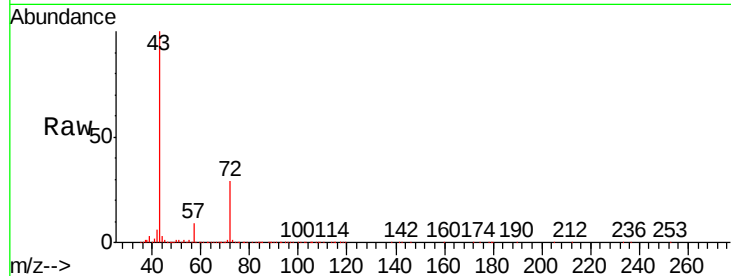
Ion Ratio Lower Upper

43 100

72 29.1 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#26

2,2-Dichloropropane

Concen: 44.548 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006266.D

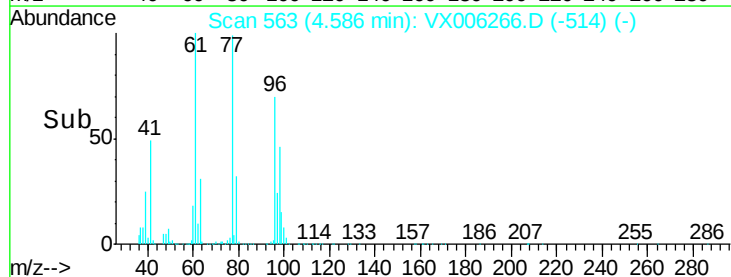
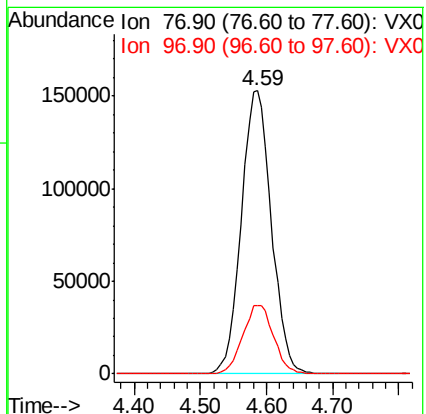
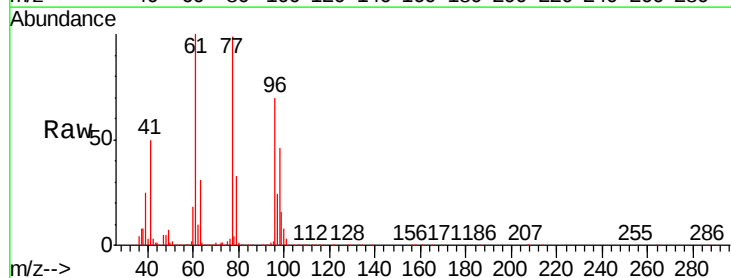
Acq: 03 Dec 2018 20:57

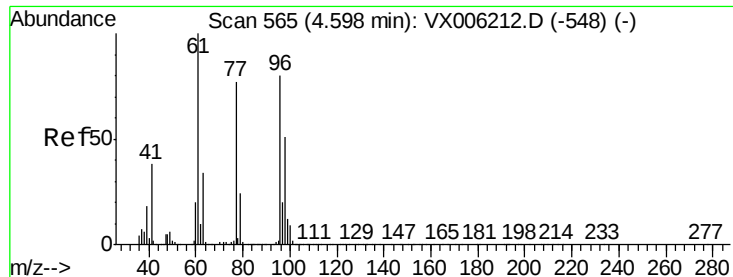
Tgt Ion: 77 Resp: 481369

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8





#27

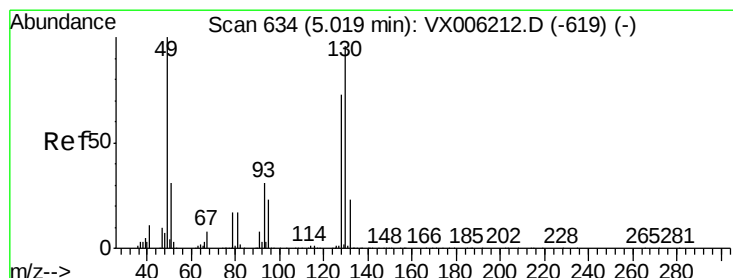
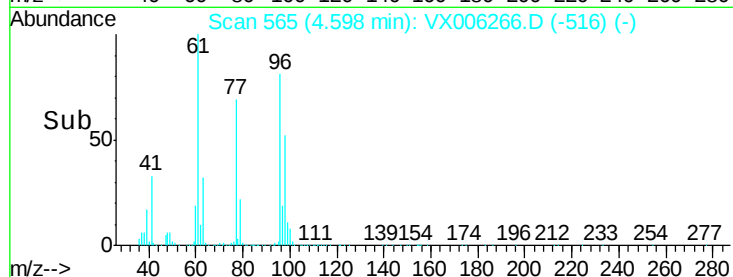
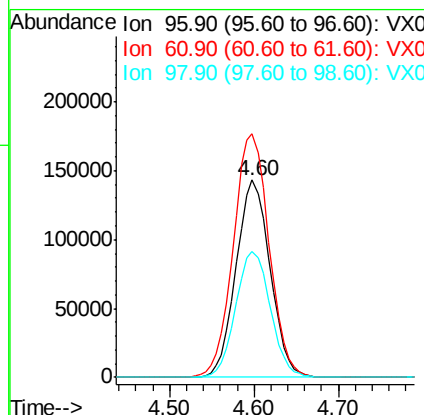
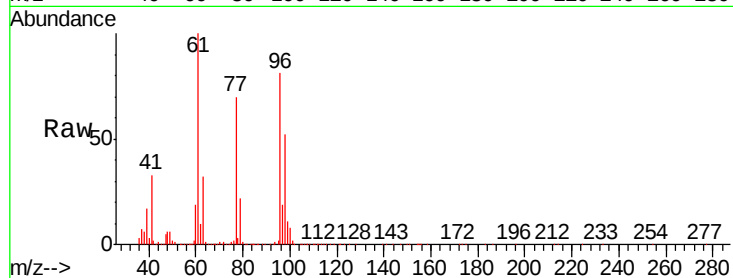
cis-1,2-Dichloroethene
Concen: 49.706 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	392266		
61	129.9	0.0	265.0	
98	65.2	0.0	130.2	

Manual Integrations
APPROVED

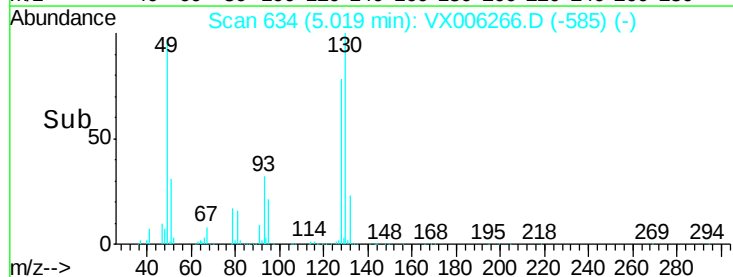
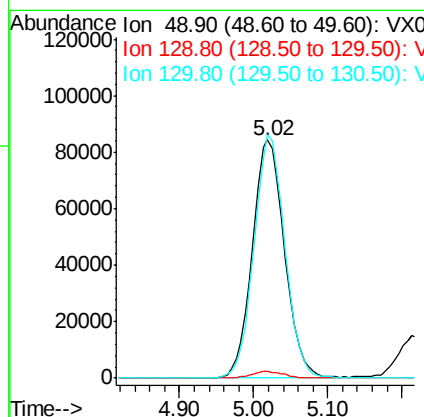
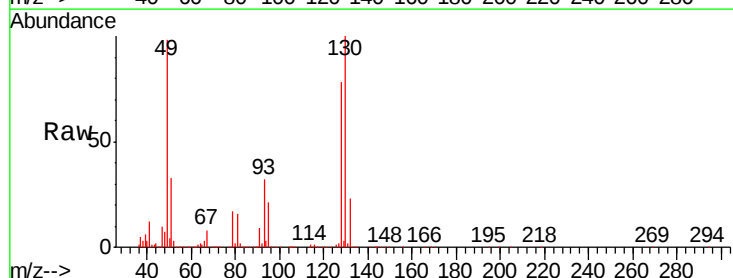
MMDadoda
12/4/2018 9:59:00 AM

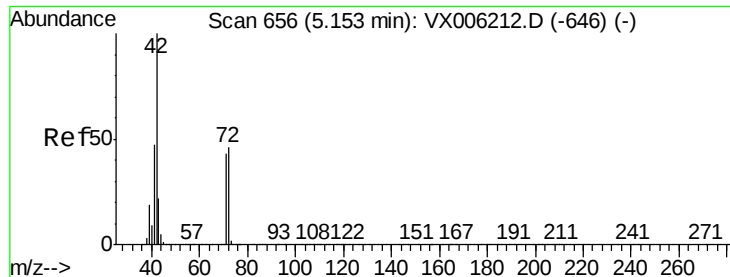


#28

Bromochloromethane
Concen: 49.858 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	254983		
129	2.8	0.0	5.0	
130	98.5	78.3	117.5	





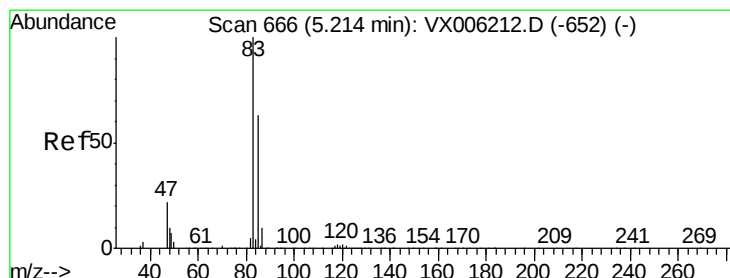
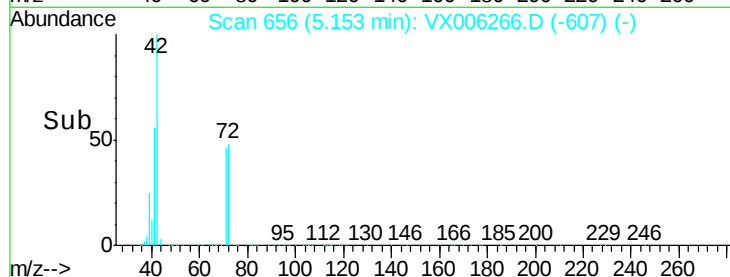
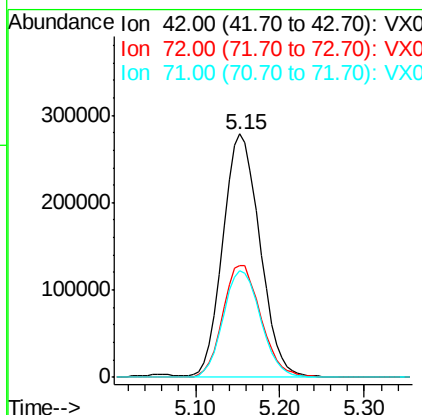
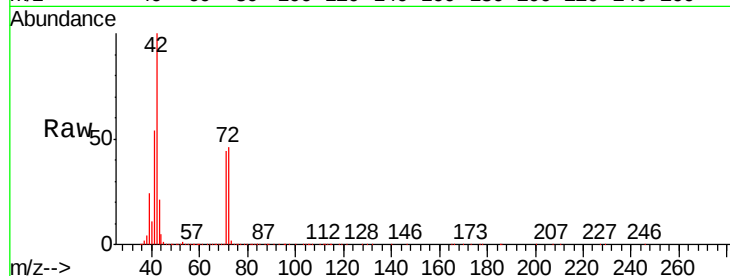
#29
Tetrahydrofuran
Concen: 238.918 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.8	56.8
71	44.5	35.2	52.8

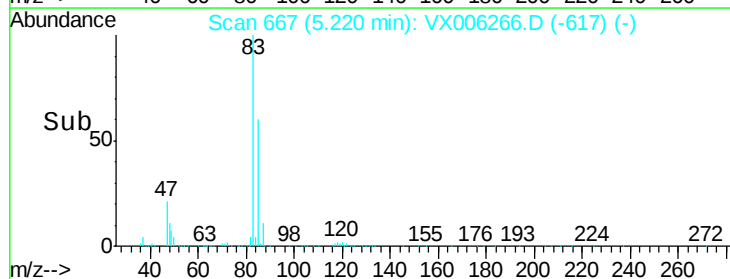
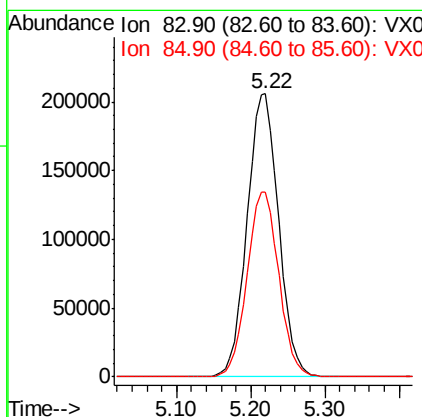
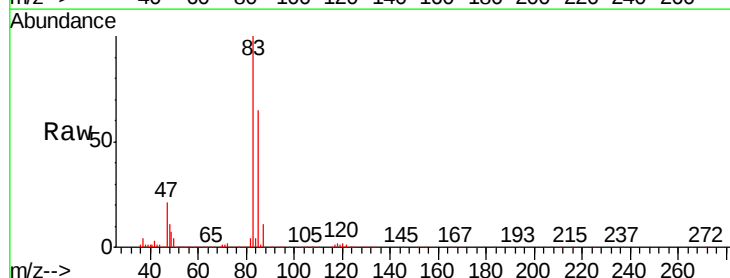
Manual Integrations
APPROVED

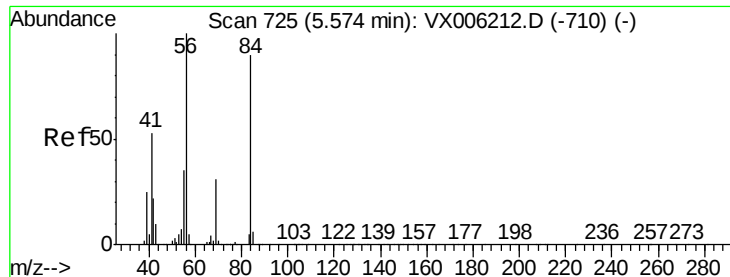
MMDadoda
12/4/2018 9:59:00 AM



#30
Chloroform
Concen: 49.599 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5





#31

Cyclohexane

Concen: 48.086 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

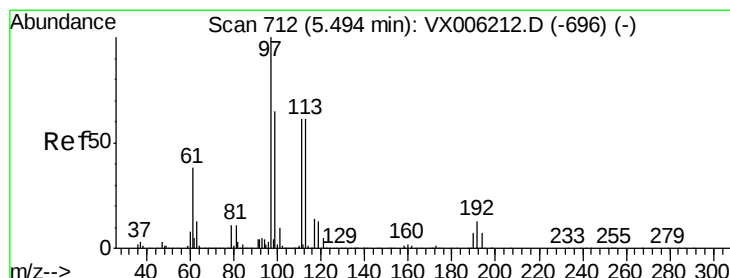
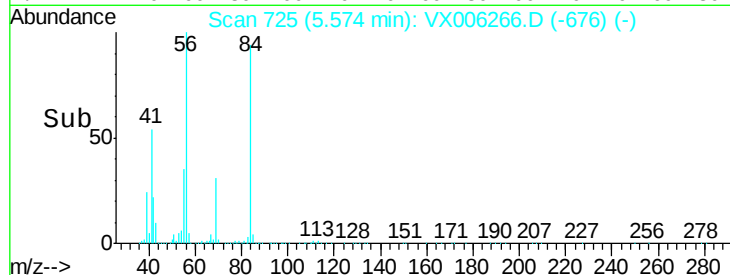
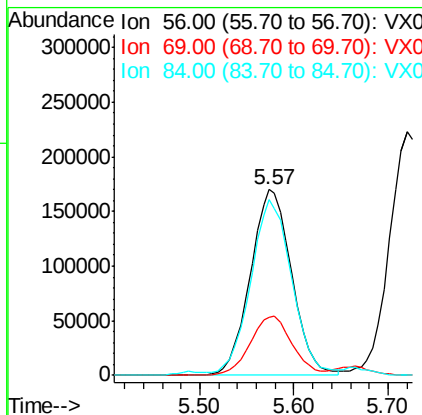
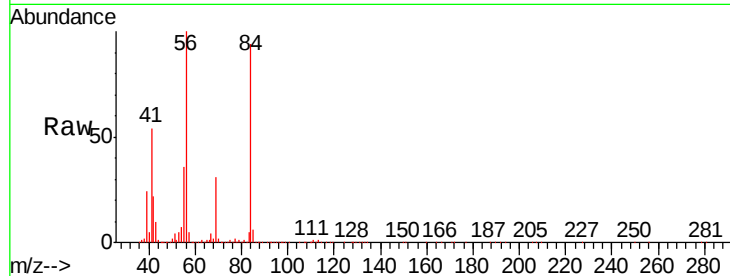
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.5	36.7
84	92.4	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#32

1,1,1-Trichloroethane

Concen: 49.349 ug/l

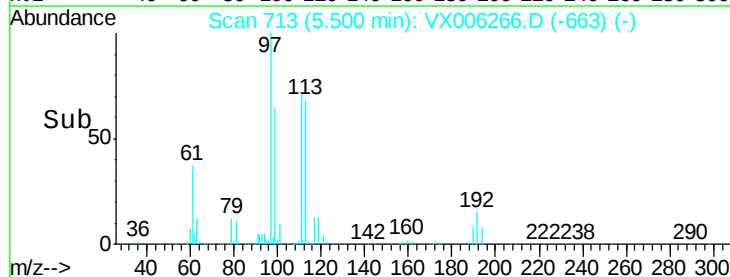
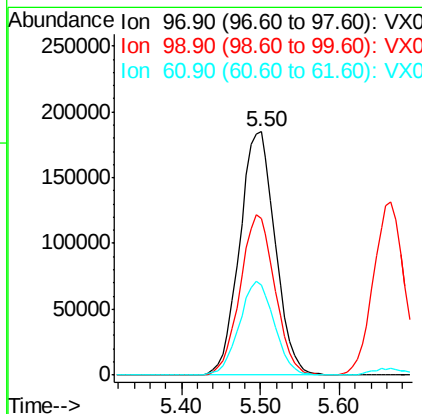
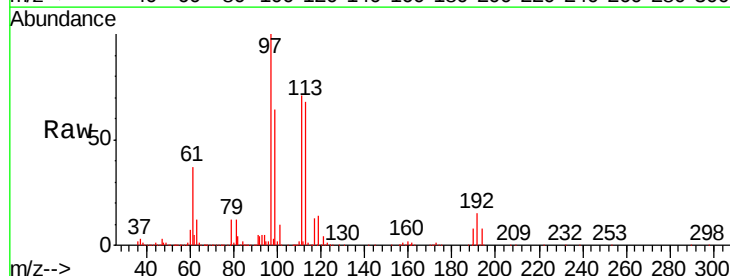
RT: 5.50 min Scan# 713

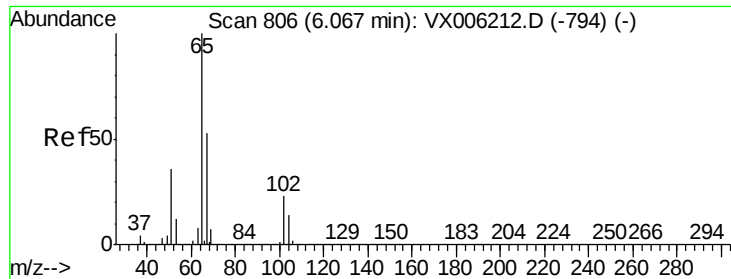
Delta R.T. 0.01 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	38.0	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 49.102 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 367771

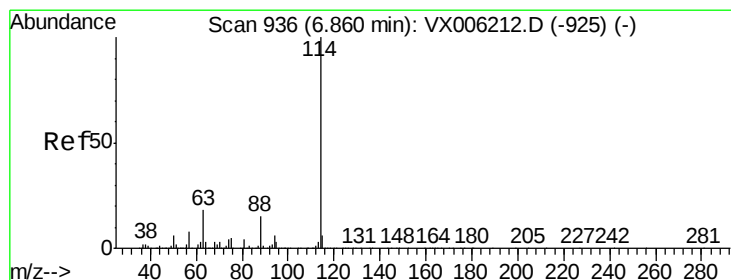
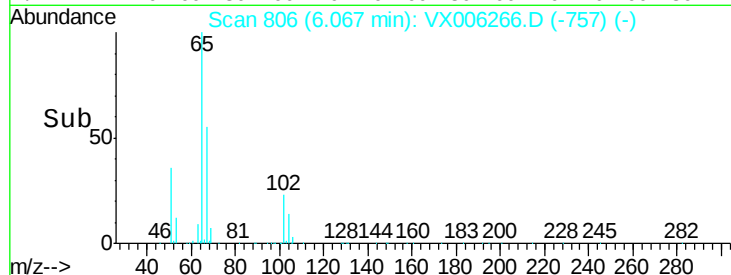
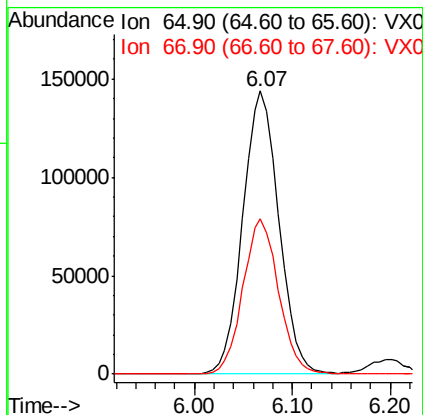
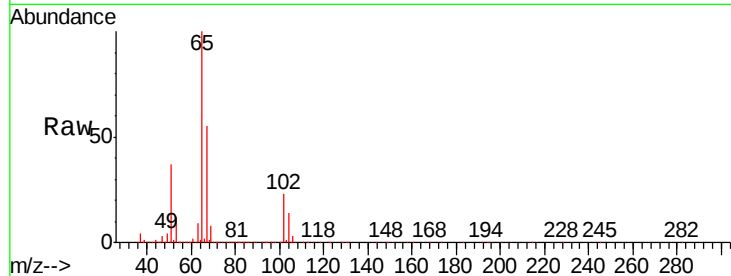
Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.2

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

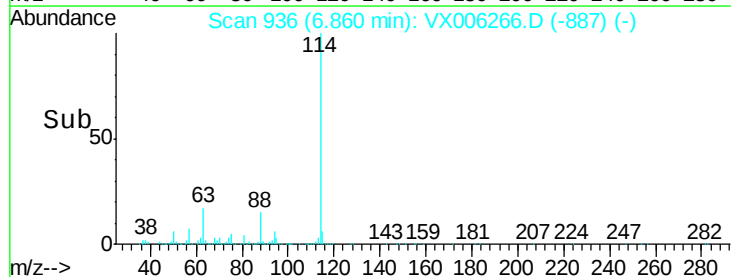
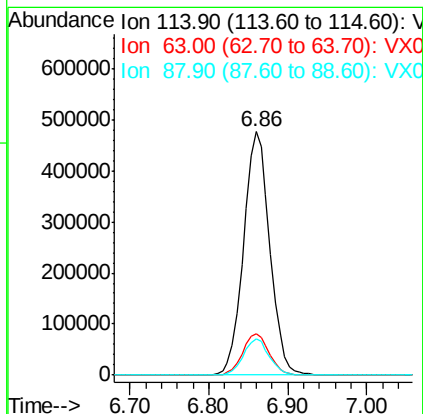
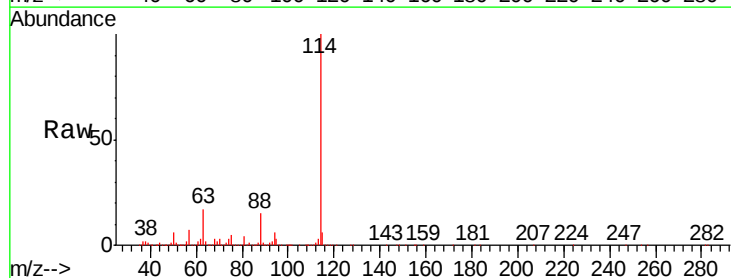
Tgt Ion: 114 Resp: 1095262

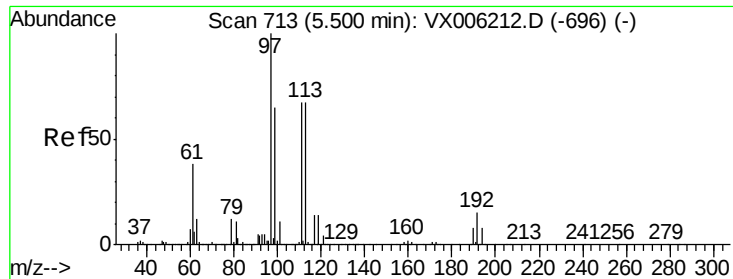
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

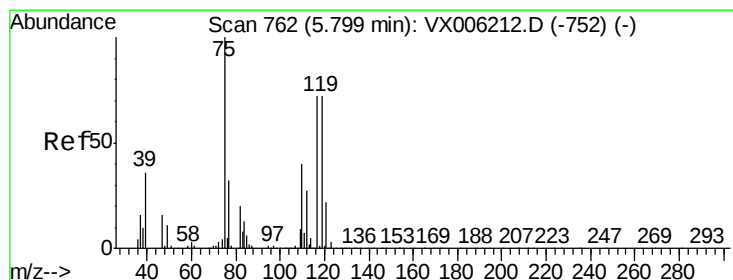
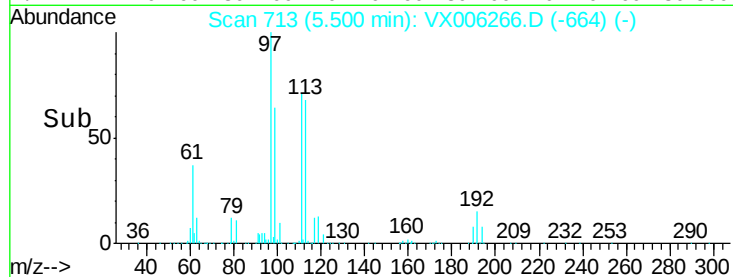
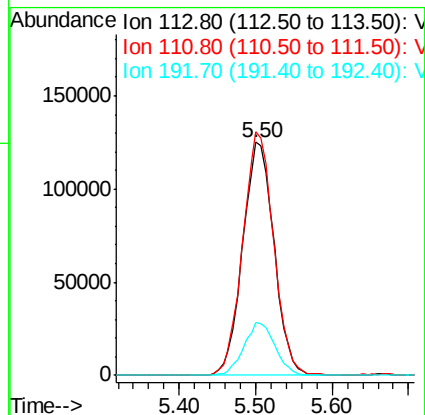
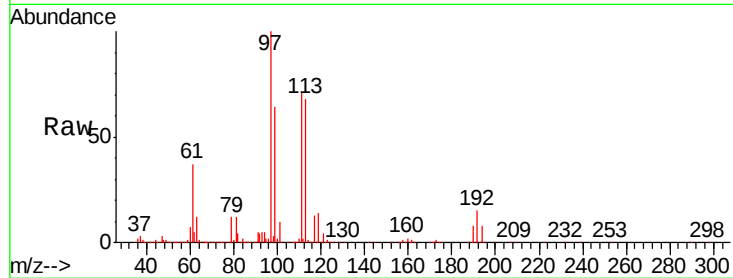
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	356101
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.1	121.7
192	22.5	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#36

1,1-Dichloropropene

Concen: 49.244 ug/l

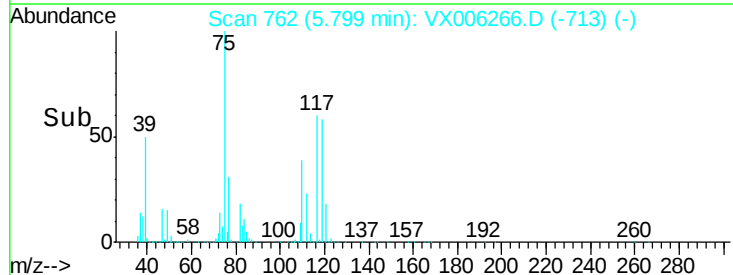
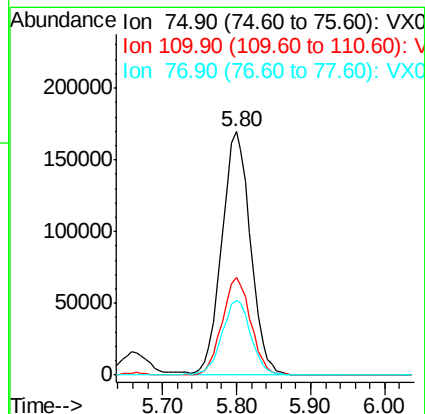
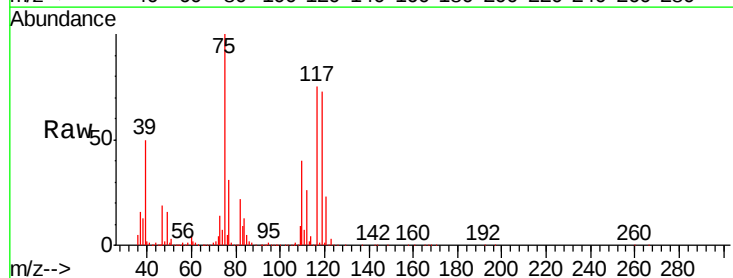
RT: 5.80 min Scan# 762

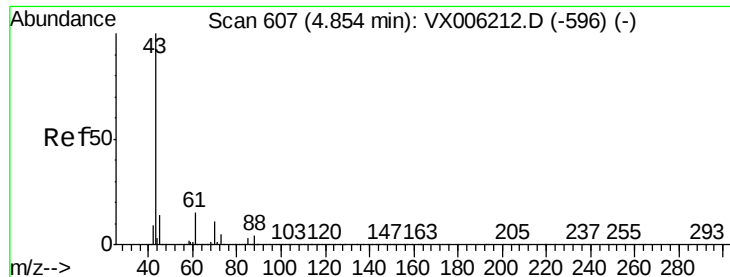
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	75	Resp:	454187
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.4	61.3
77	31.0	24.9	37.3





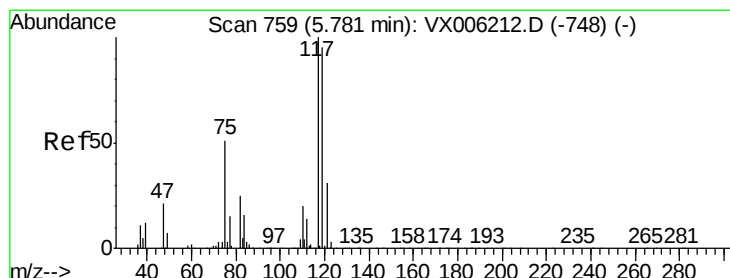
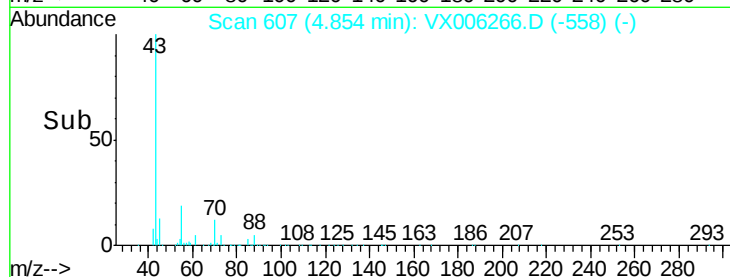
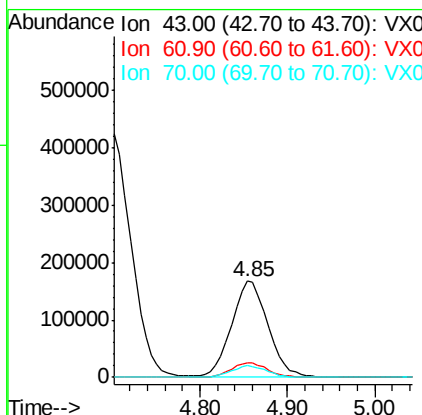
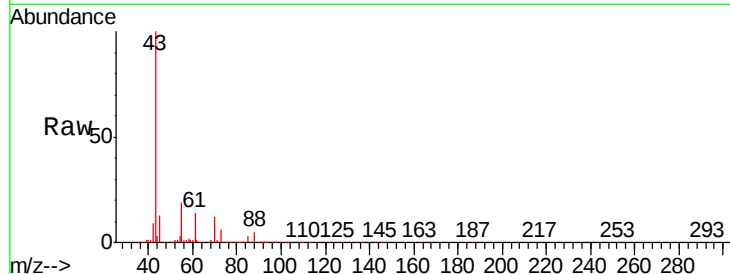
#37
Ethyl Acetate
Concen: 46.666 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.9	9.0	13.6

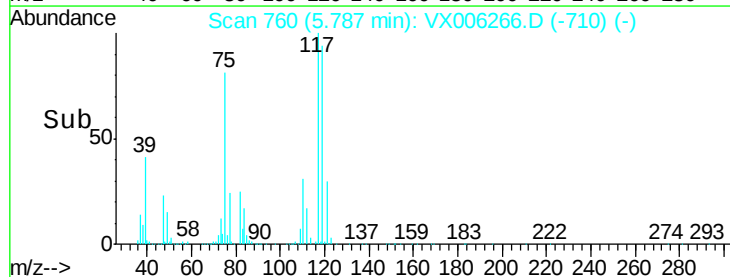
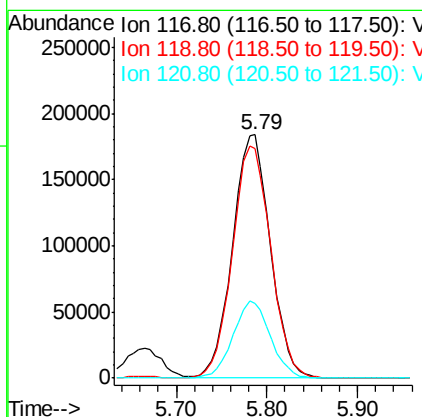
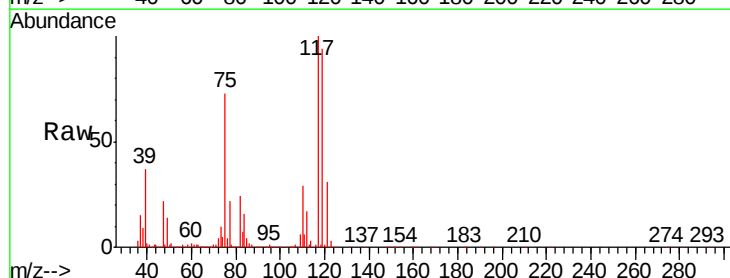
Manual Integrations
APPROVED

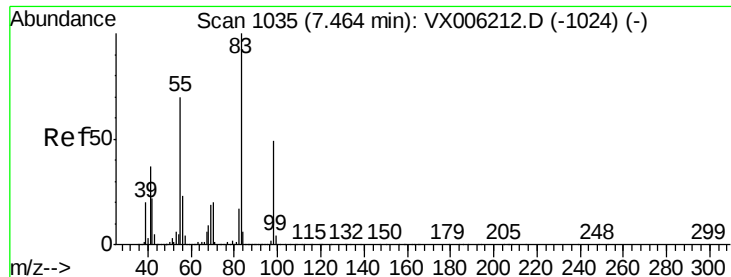
MMDadoda
12/4/2018 9:59:00 AM



#38
Carbon Tetrachloride
Concen: 49.135 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.8	113.8
121	30.5	24.6	37.0





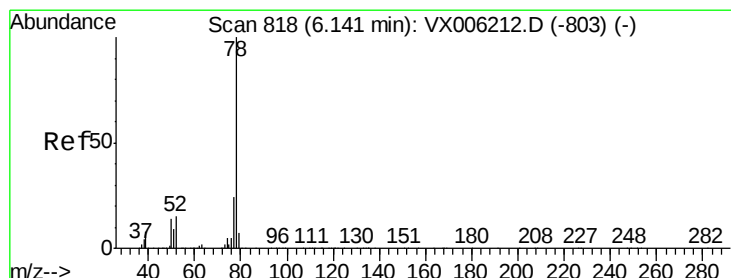
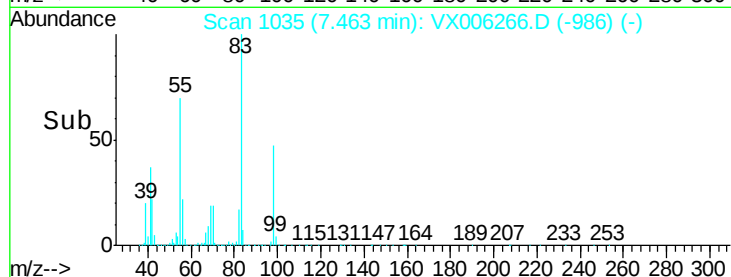
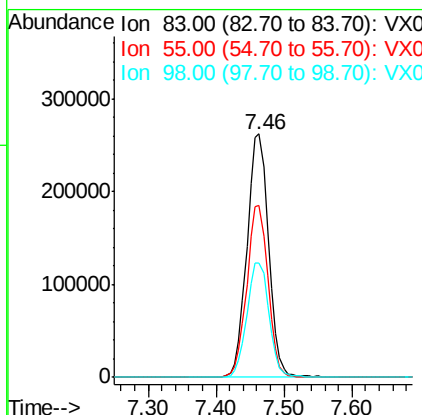
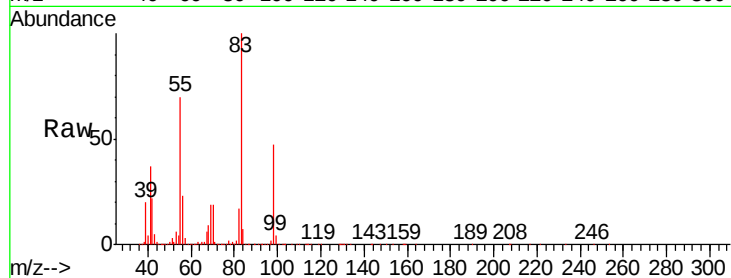
#39
Methylcyclohexane
Concen: 48.532 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.3	56.4	84.6
98	47.1	39.0	58.6

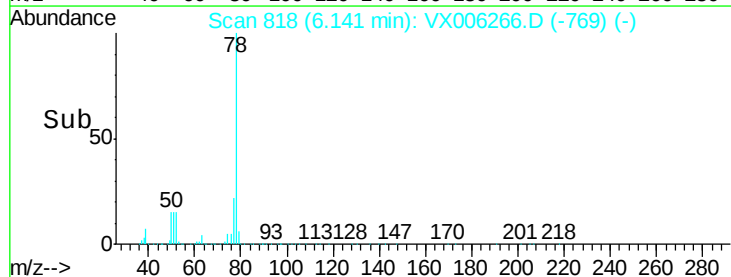
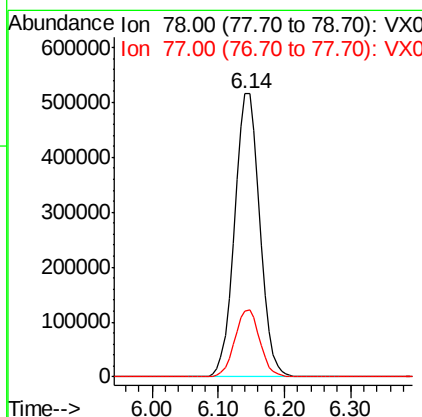
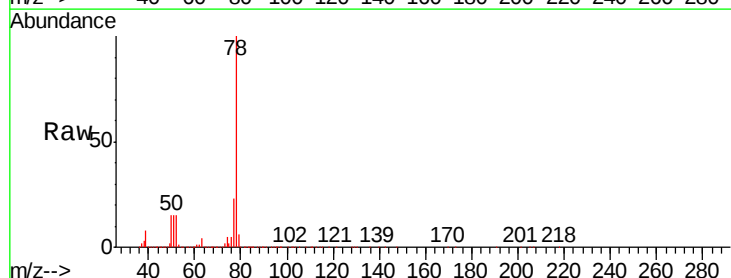
Manual Integrations
APPROVED

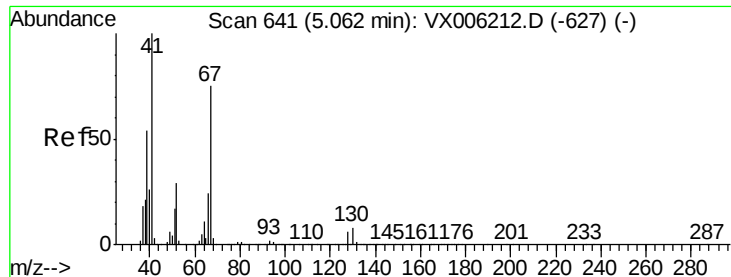
MMDadoda
12/4/2018 9:59:00 AM



#40
Benzene
Concen: 49.273 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





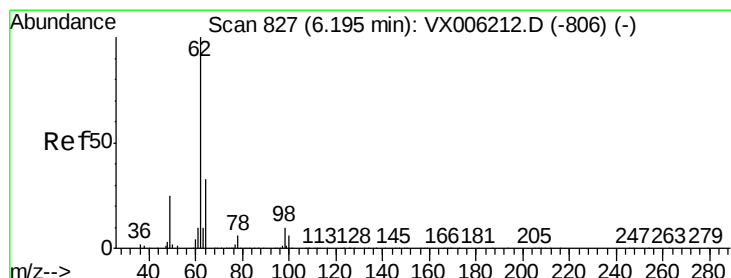
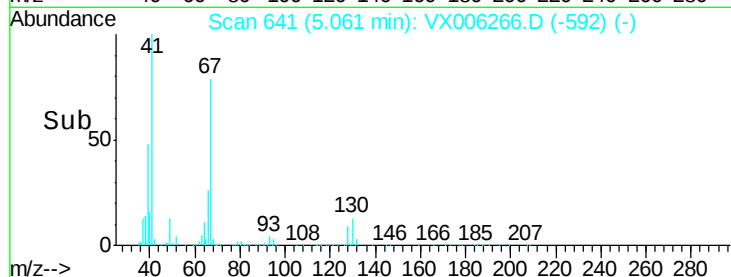
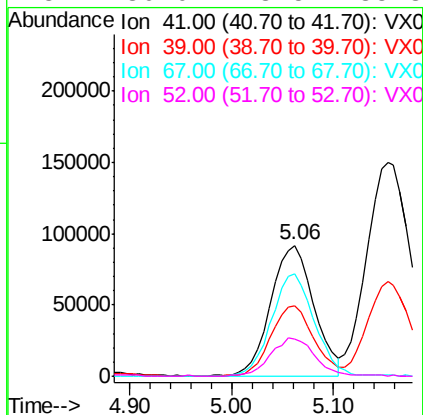
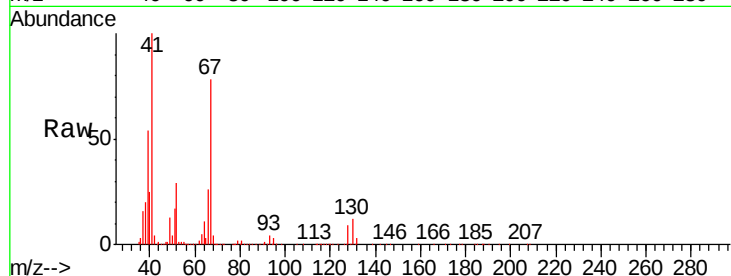
#41
Methacrylonitrile
Concen: 47.073 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.0	66.0
67	77.8	61.4	92.0
52	30.0	23.5	35.3

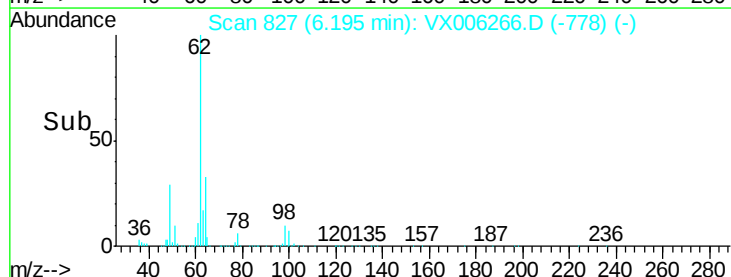
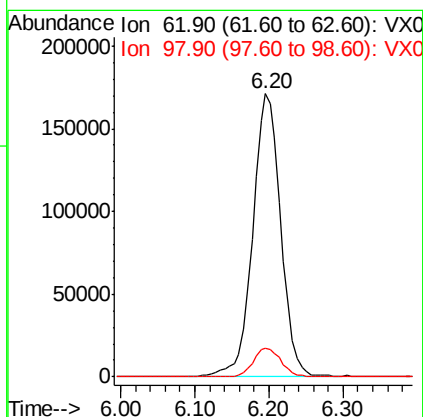
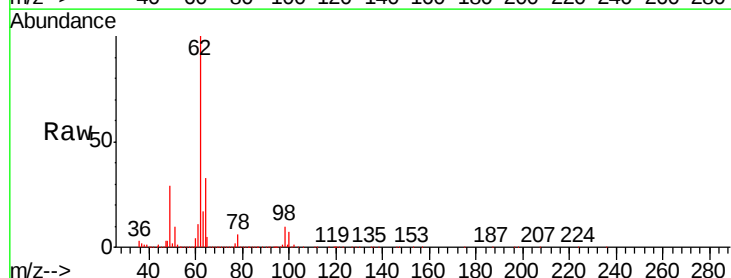
Manual Integrations
APPROVED

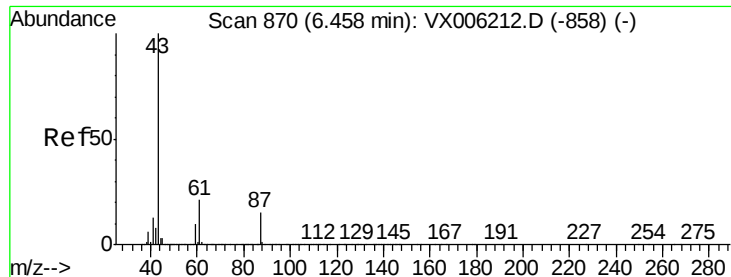
MMDadoda
12/4/2018 9:59:00 AM



#42
1,2-Dichloroethane
Concen: 49.581 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 46.754 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

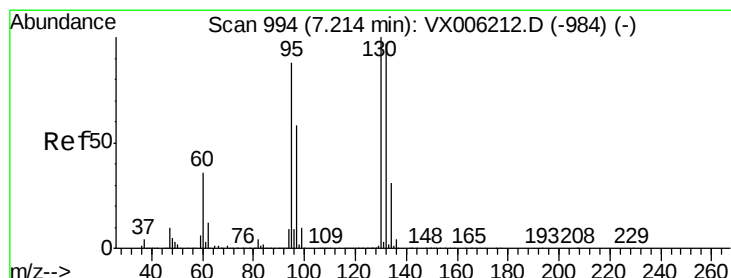
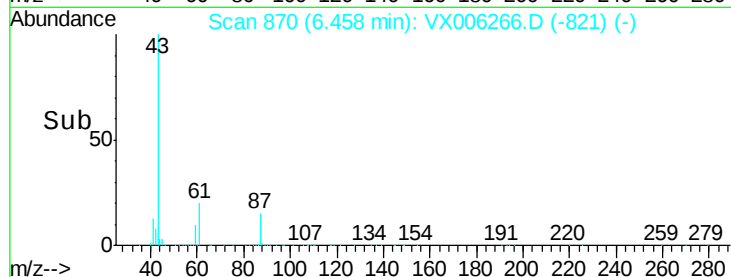
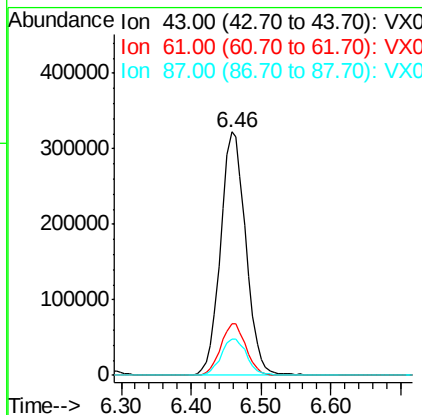
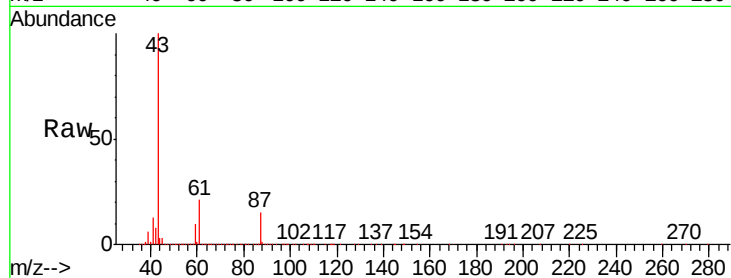
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	805153
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	15.4	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#44

Trichloroethene

Concen: 48.877 ug/l

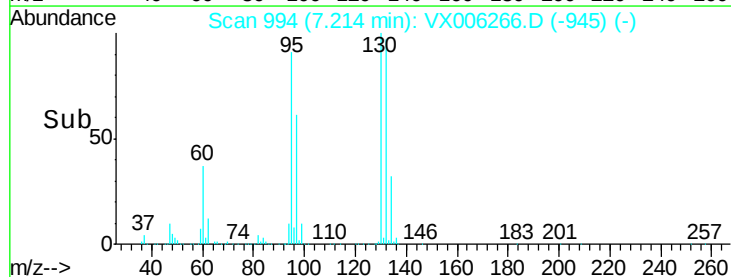
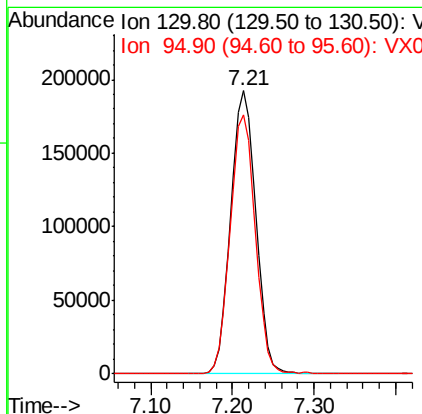
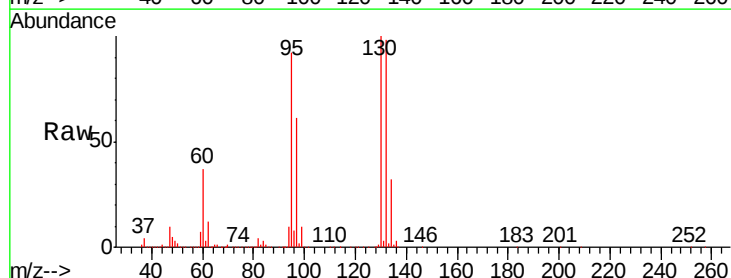
RT: 7.21 min Scan# 994

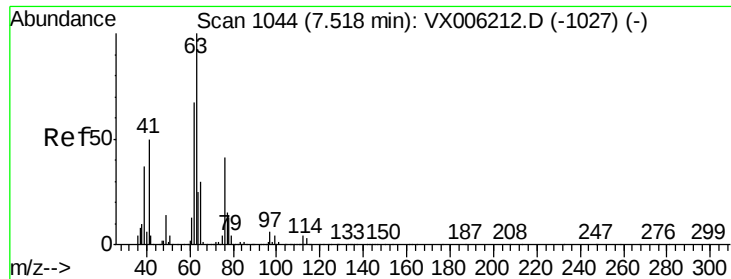
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	130	Resp:	409032
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	175.8





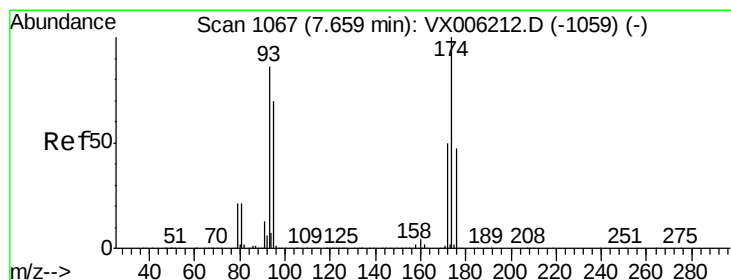
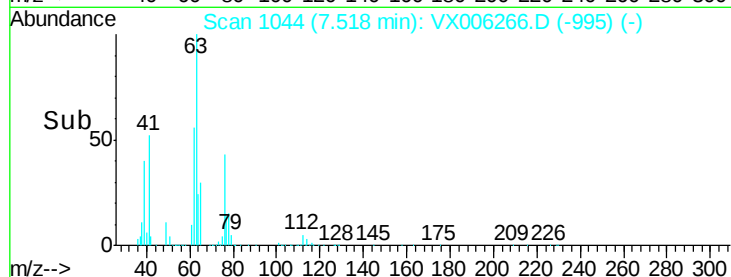
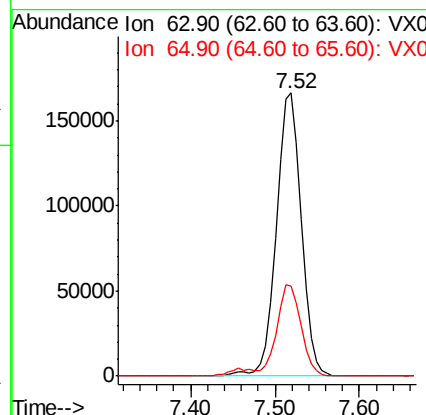
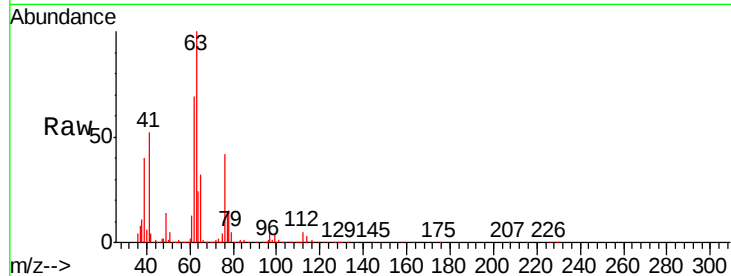
#45
 1,2-Dichloropropane
 Concen: 48.588 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.3	36.5

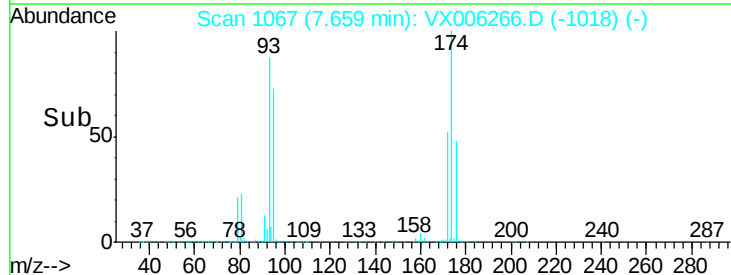
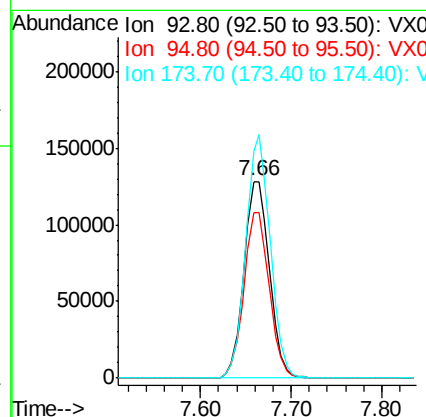
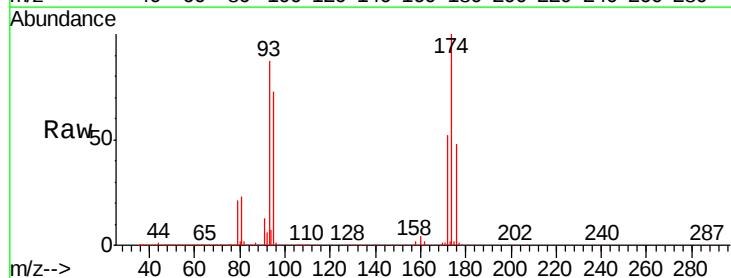
Manual Integrations
 APPROVED

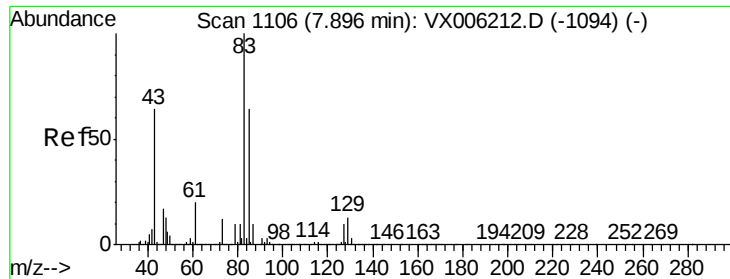
MMDadoda
 12/4/2018 9:59:00 AM



#46
 Dibromomethane
 Concen: 49.372 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	118.5	97.2	145.8





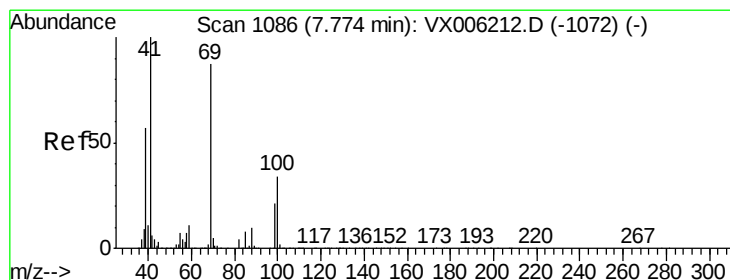
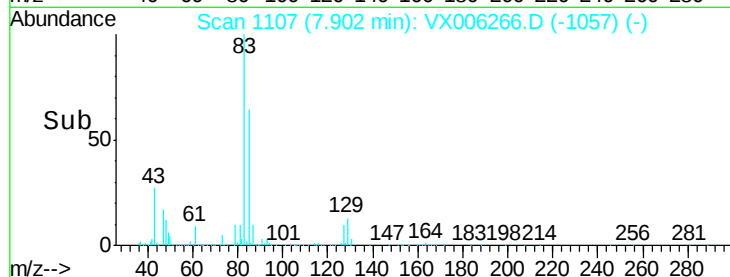
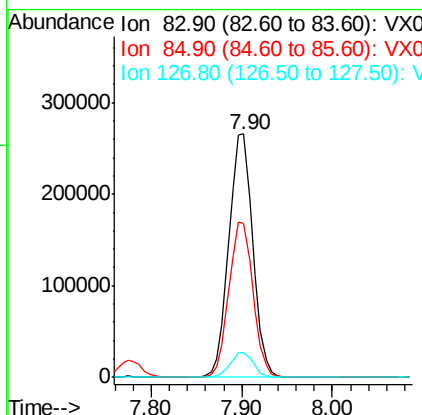
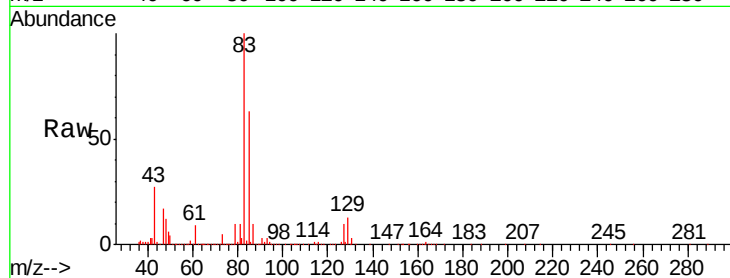
#47
Bromodichloromethane
Concen: 49.732 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	488337		
85	63.5	51.4	77.0	
127	10.1	7.9	11.9	

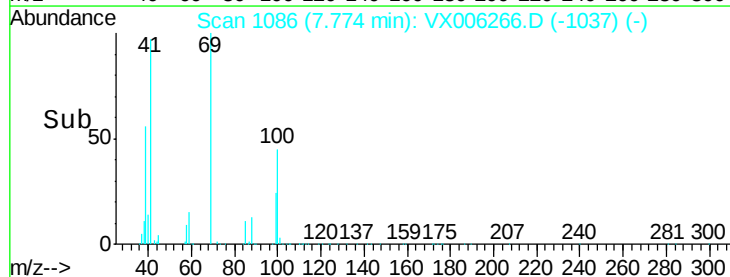
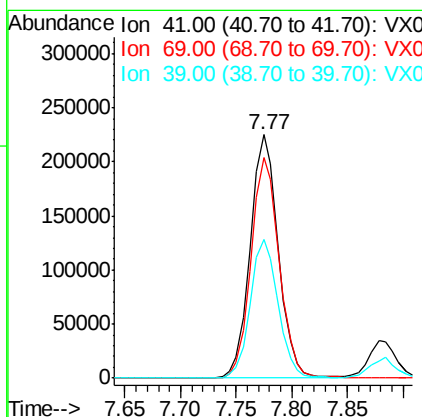
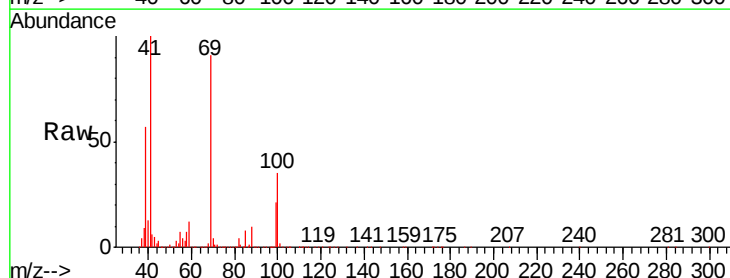
Manual Integrations
APPROVED

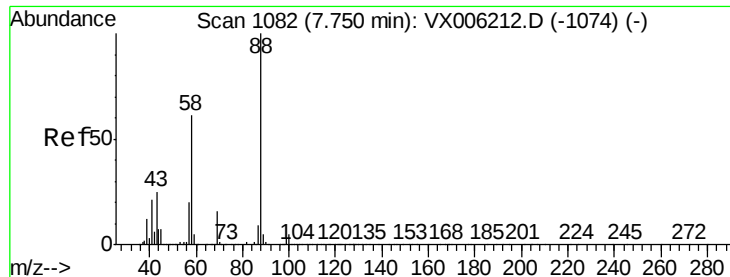
MMDadoda
12/4/2018 9:59:00 AM



#48
Methyl methacrylate
Concen: 47.089 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	394507		
69	91.4	70.3	105.5	
39	56.1	45.3	67.9	





#49

1,4-Dioxane

Concen: 942.853 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

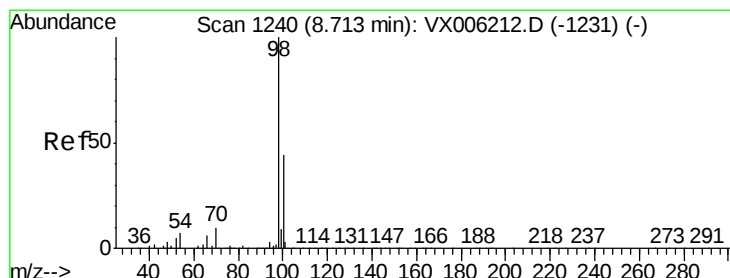
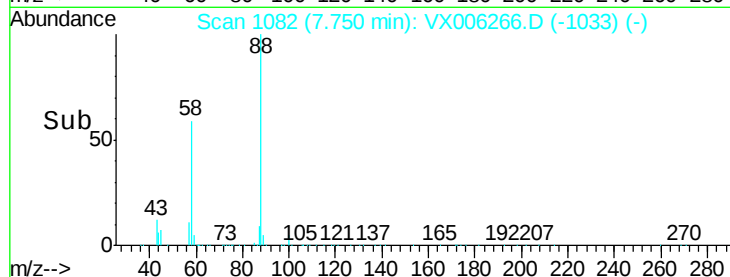
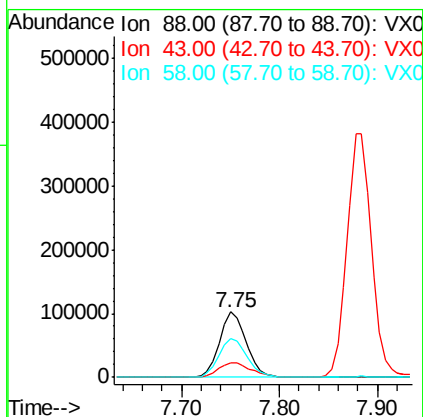
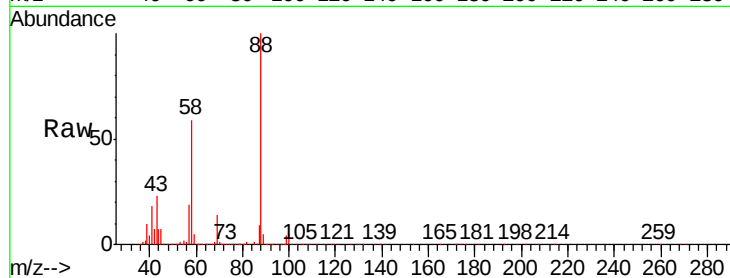
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	88	Resp:	194685
Ion Ratio	Lower	Upper	
88	100		
43	27.0	23.2	34.8
58	63.4	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#50

Toluene-d8

Concen: 48.999 ug/l

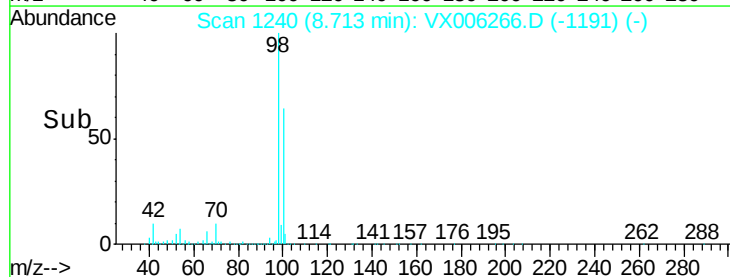
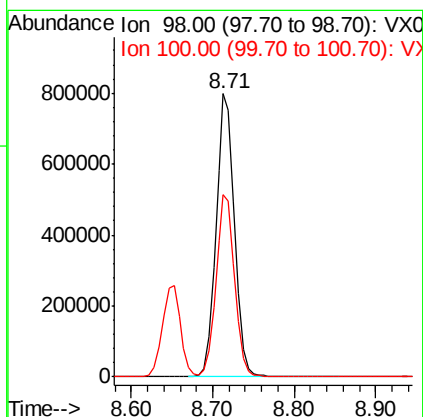
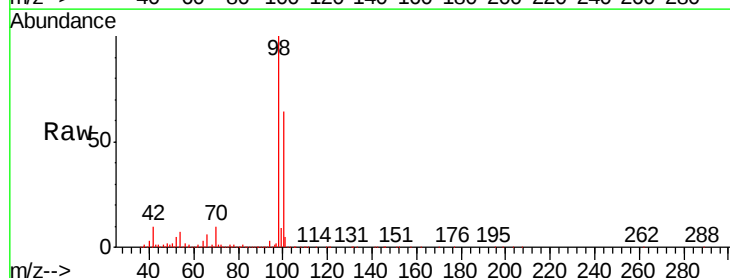
RT: 8.71 min Scan# 1240

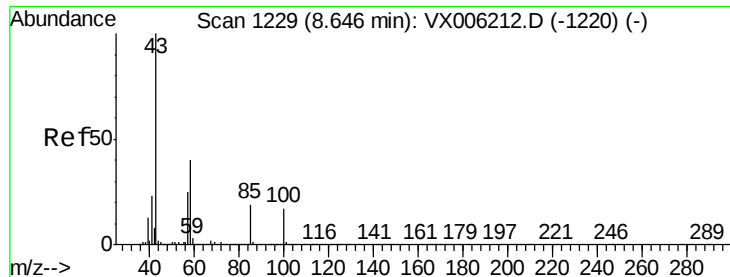
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	98	Resp:	1263902
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2





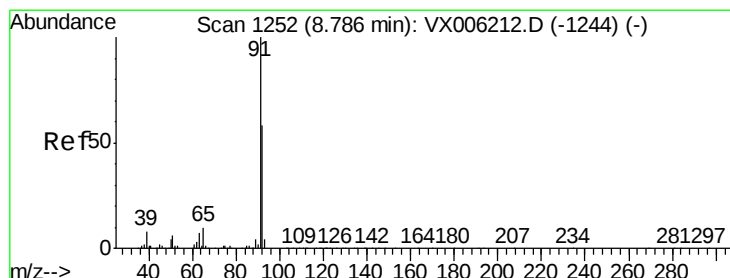
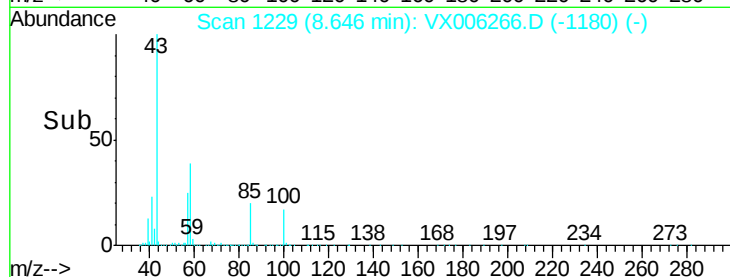
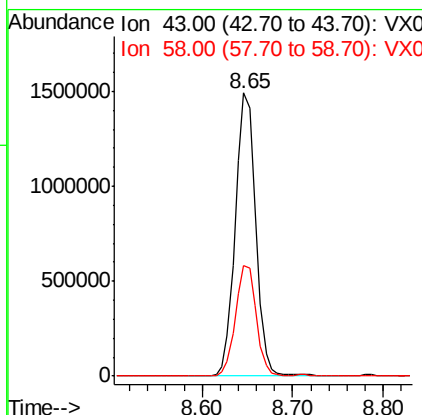
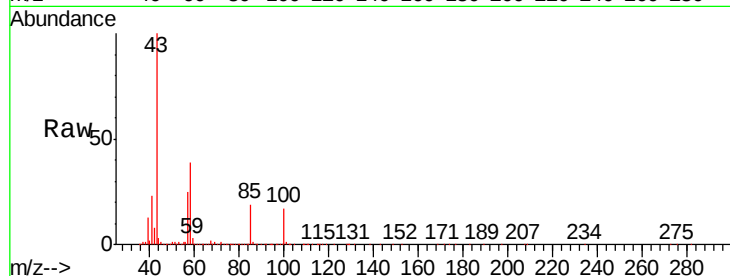
#51
 4-Methyl-2-Pentanone
 Concen: 233.146 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2337327
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.3 46.9

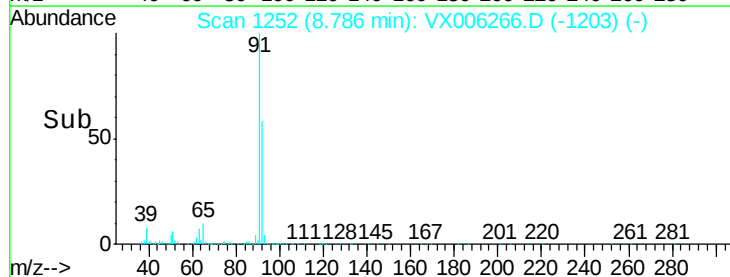
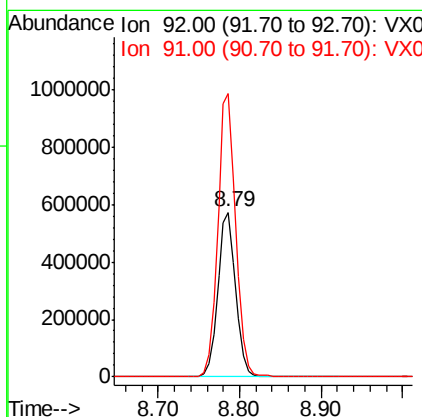
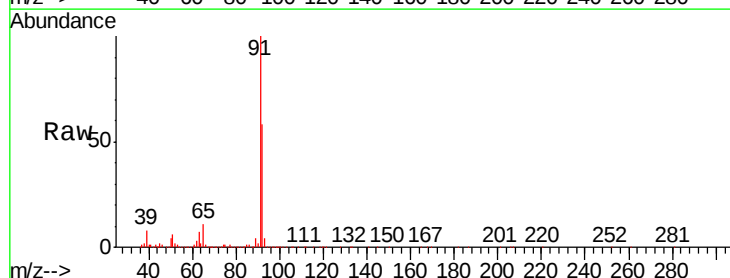
Manual Integrations
 APPROVED

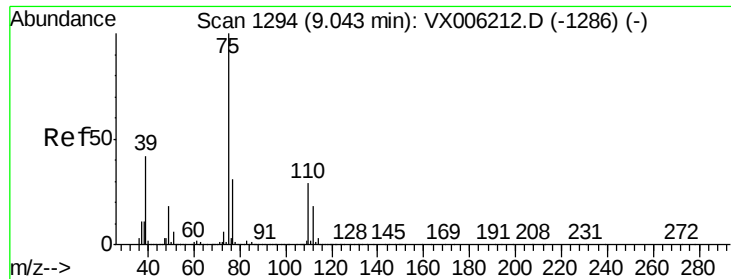
MMDadoda
 12/4/2018 9:59:00 AM



#52
 Toluene
 Concen: 48.158 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion: 92 Resp: 875223
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.2 208.8





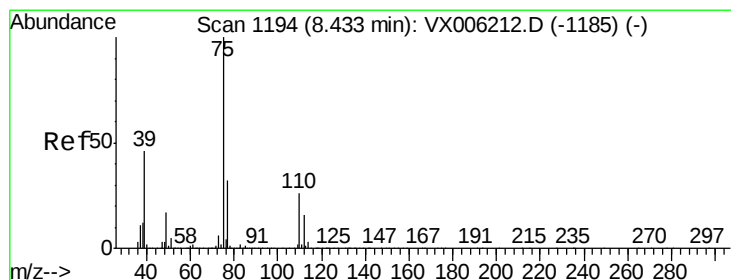
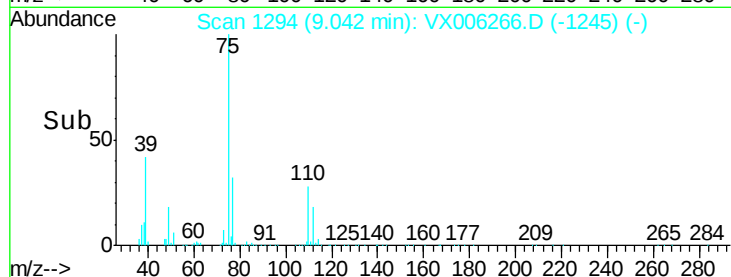
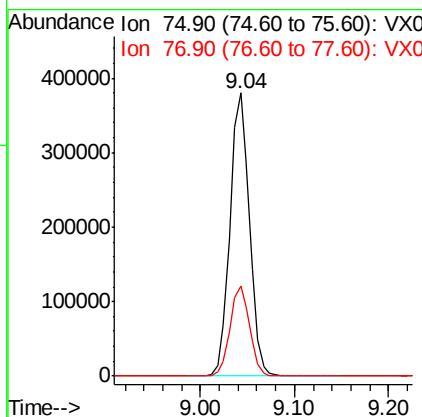
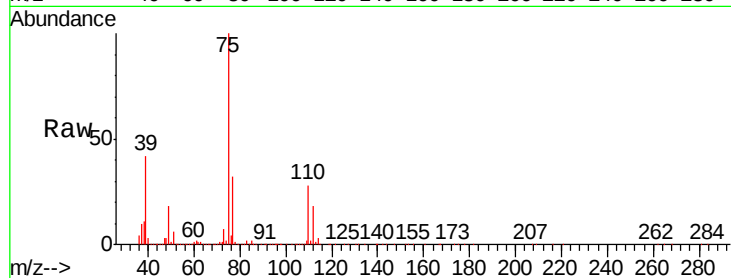
#53
t-1,3-Dichloropropene
Concen: 47.296 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 543128
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

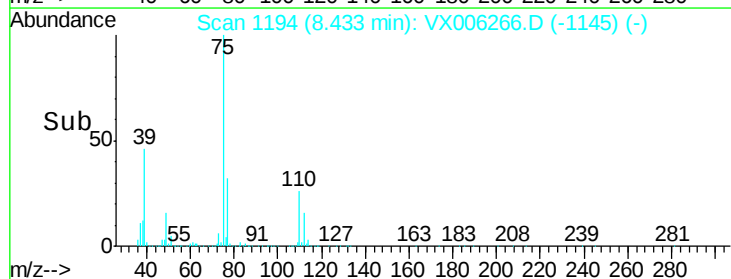
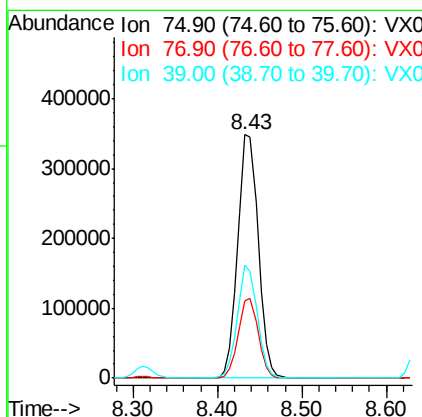
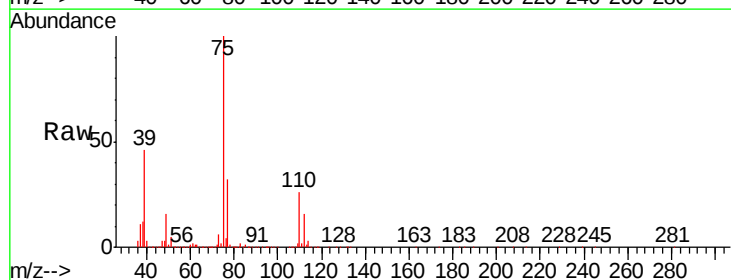
Manual Integrations
APPROVED

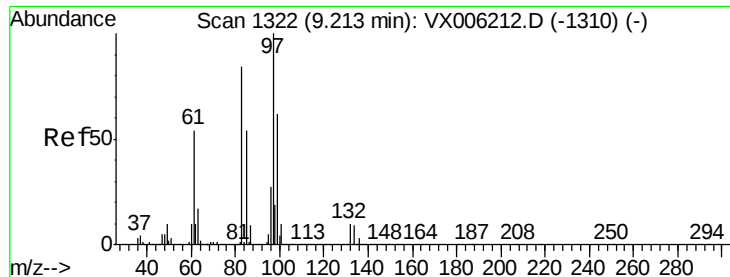
MMDadoda
12/4/2018 9:59:00 AM



#54
cis-1,3-Dichloropropene
Concen: 47.773 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 75 Resp: 569674
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 46.2 36.5 54.7





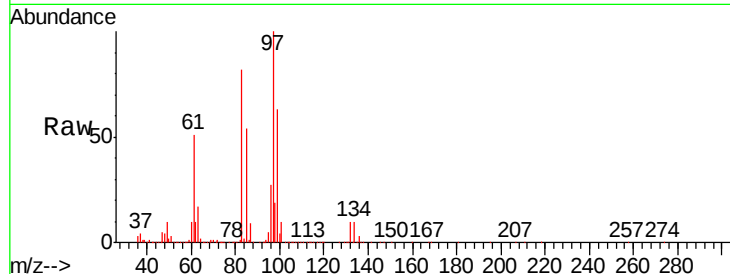
#55
 1,1,2-Trichloroethane
 Concen: 49.758 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

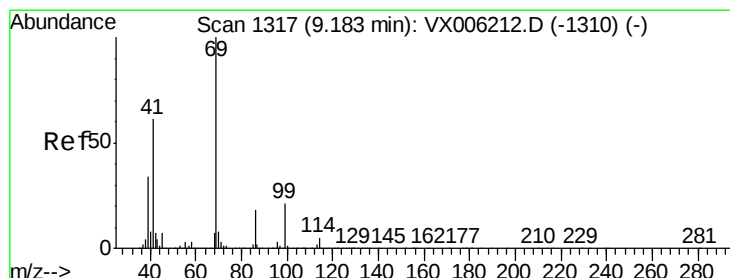
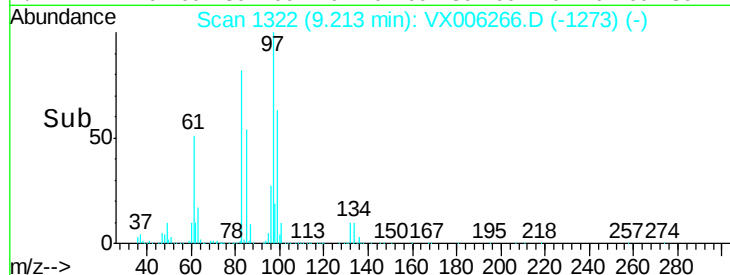
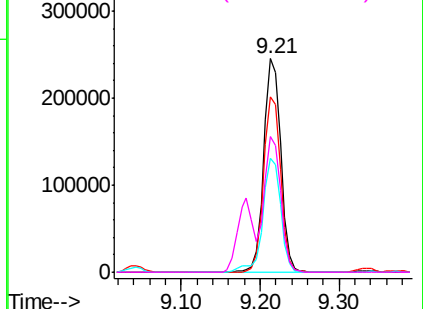
Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.1	100.7
85	53.6	43.2	64.8
99	63.3	49.8	74.6

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 9:59:00 AM

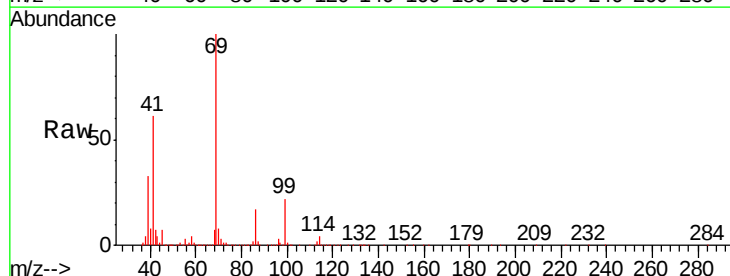


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

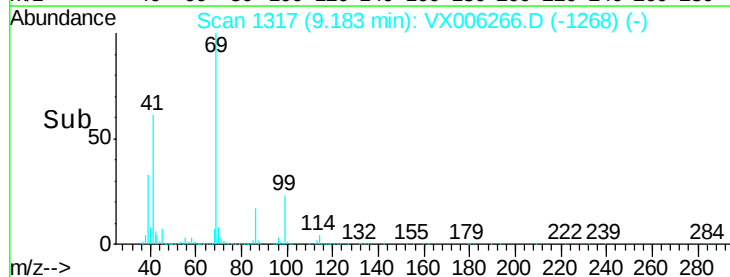
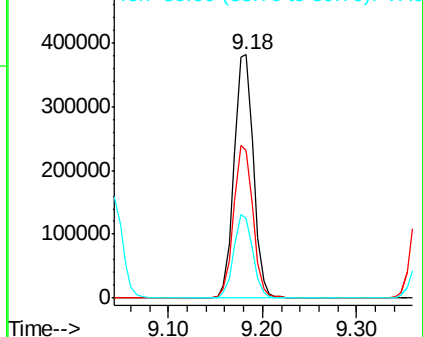


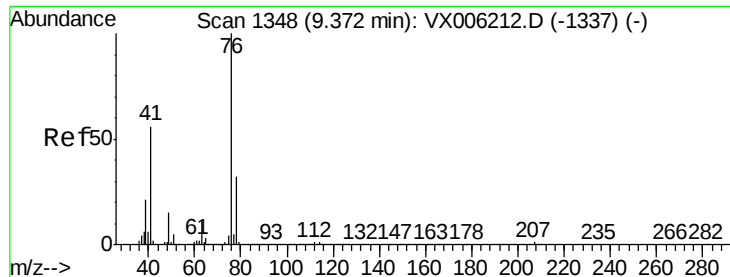
#56
 Ethyl methacrylate
 Concen: 46.978 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	50.6	76.0
39	33.7	27.6	41.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.420 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 576986

Ion Ratio Lower Upper

76 100

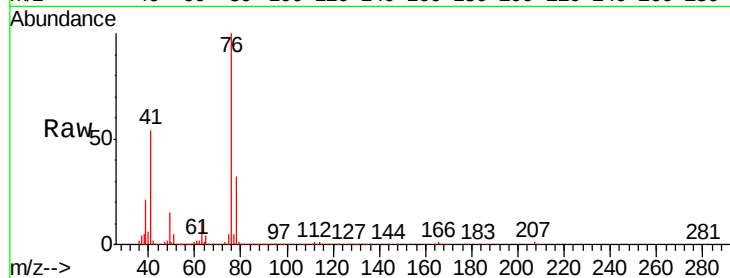
78 32.5 26.1 39.1

Manual Integrations

APPROVED

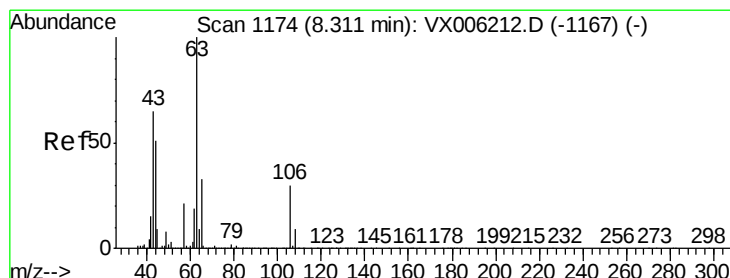
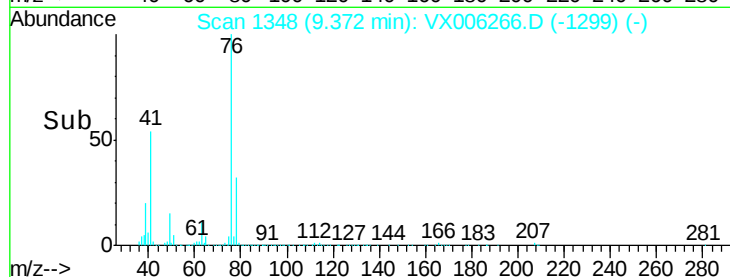
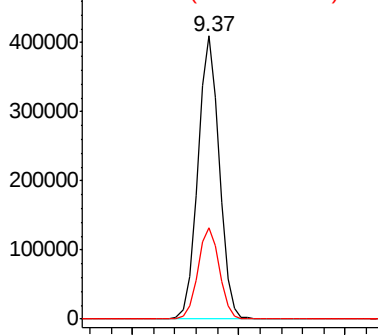
MMDadoda

12/4/2018 9:59:00 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: 239.012 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006266.D

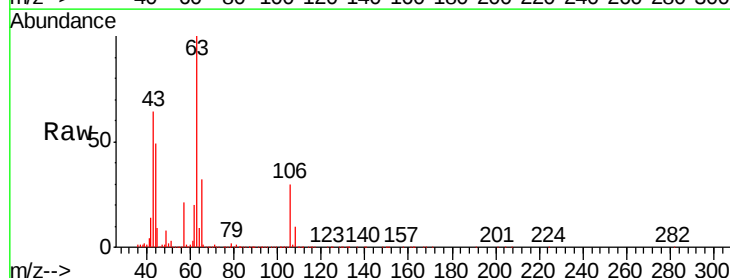
Acq: 03 Dec 2018 20:57

Tgt Ion: 63 Resp: 1399953

Ion Ratio Lower Upper

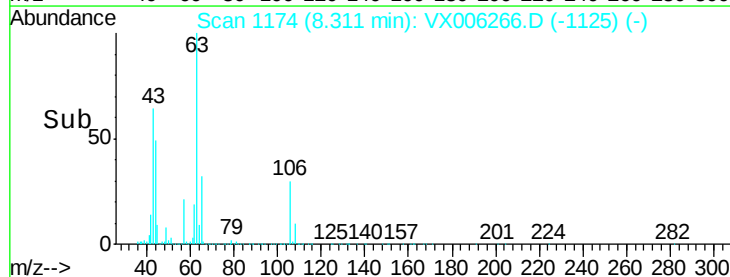
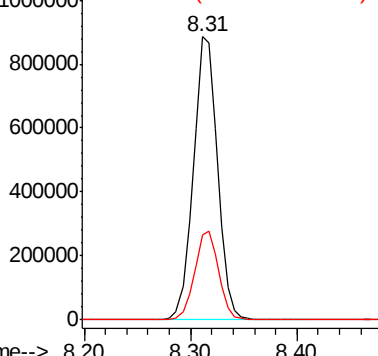
63 100

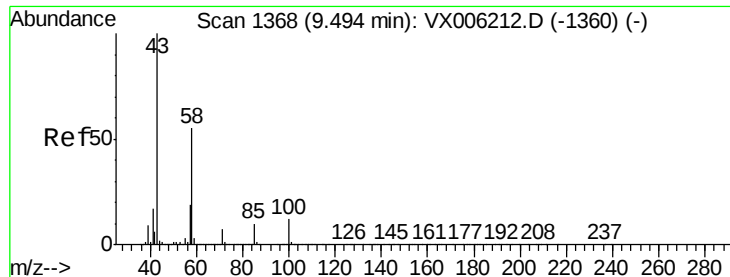
106 31.4 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





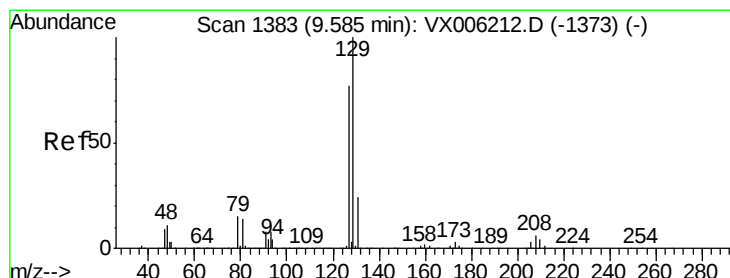
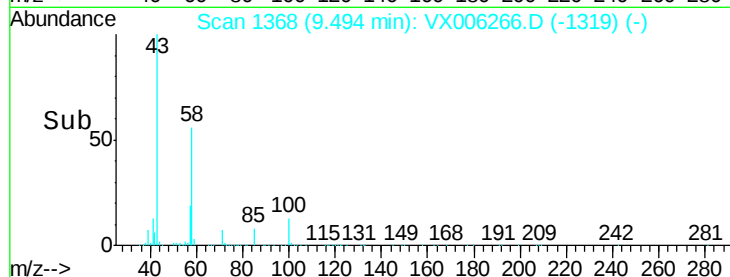
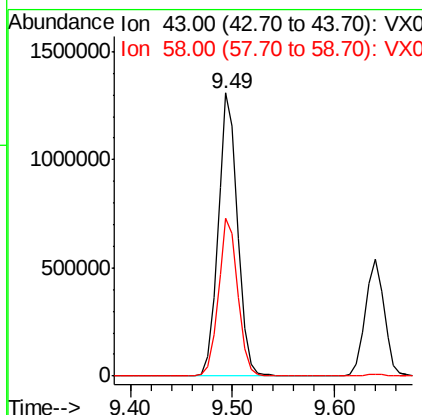
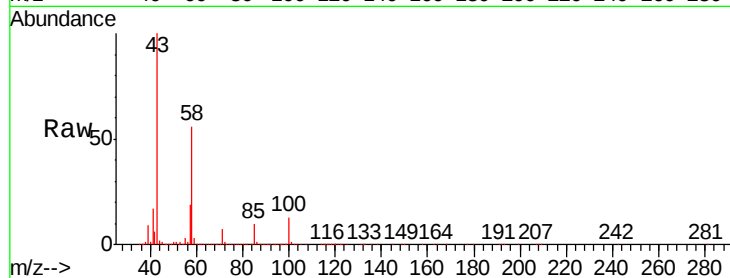
#59
2-Hexanone
Concen: 227.227 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1740388
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1

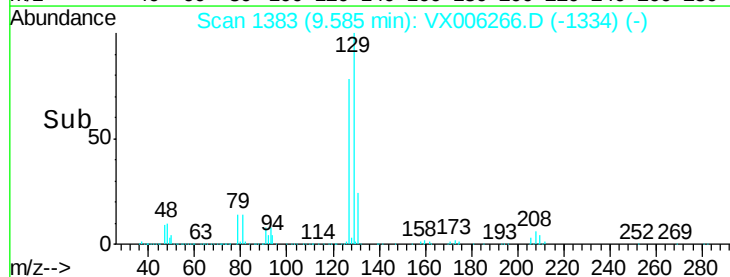
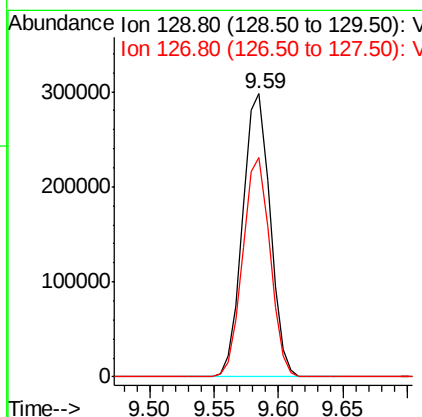
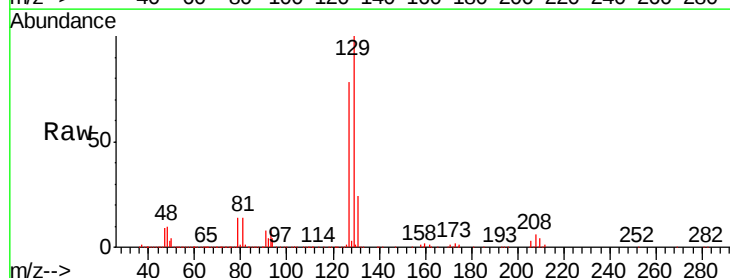
Manual Integrations
APPROVED

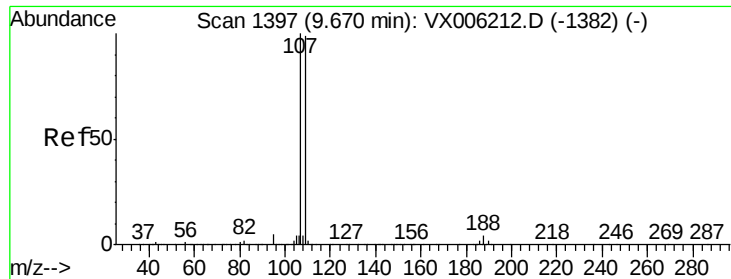
MMDadoda
12/4/2018 9:59:00 AM



#60
Dibromochloromethane
Concen: 48.177 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 129 Resp: 438619
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.191 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 397847

Ion Ratio Lower Upper

107 100

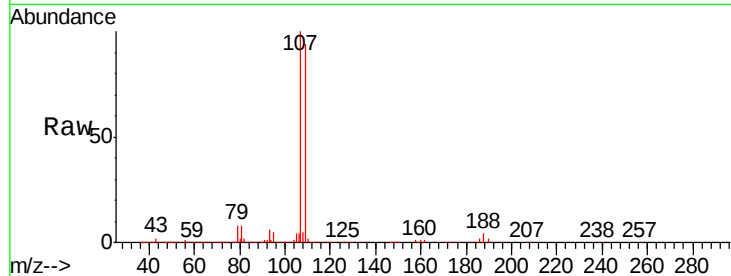
109 95.2 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

12/4/2018 9:59:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

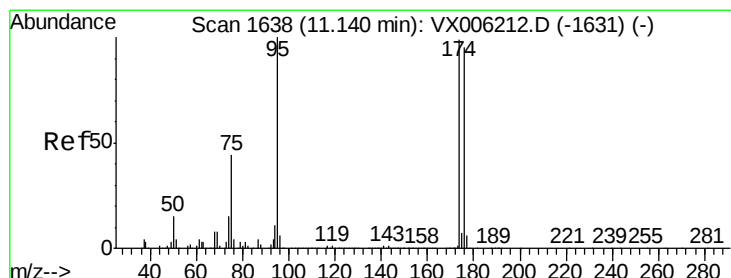
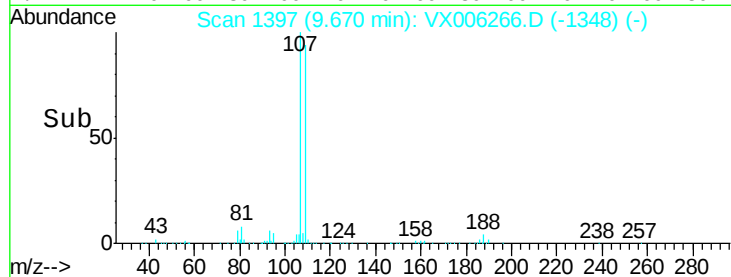
150000

100000

50000

0

Time--> 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

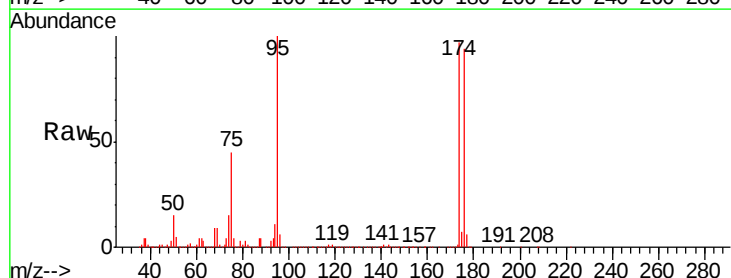
Tgt Ion: 95 Resp: 454632

Ion Ratio Lower Upper

95 100

174 90.7 0.0 187.0

176 88.4 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

400000

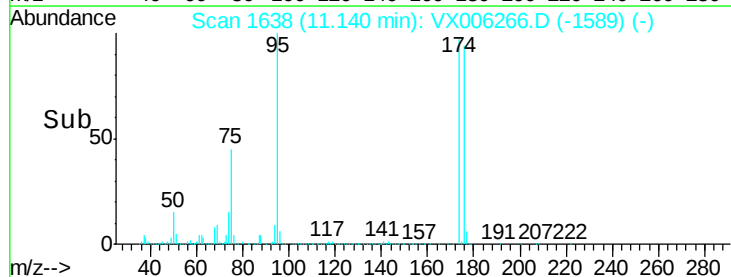
300000

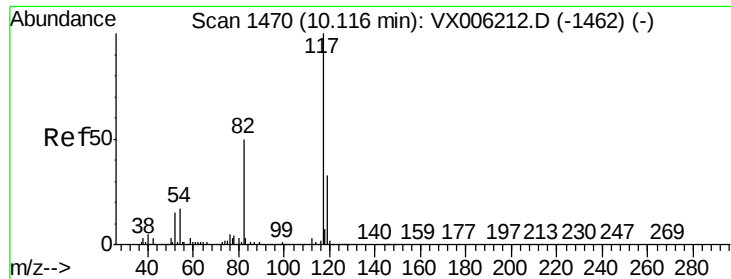
200000

100000

0

Time--> 11.05 11.10 11.15 11.20





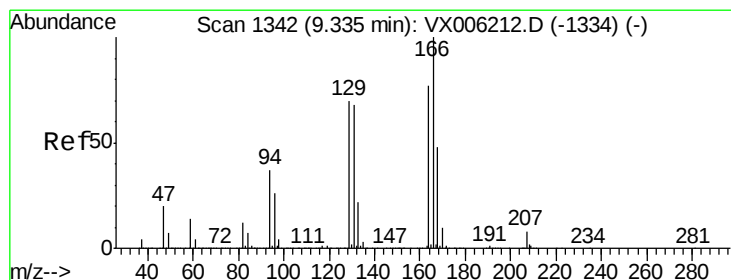
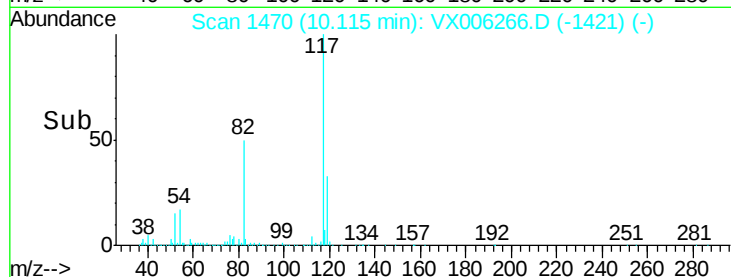
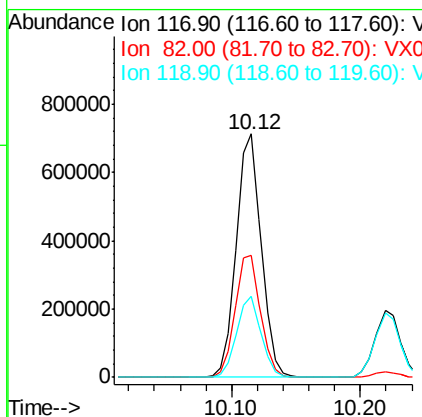
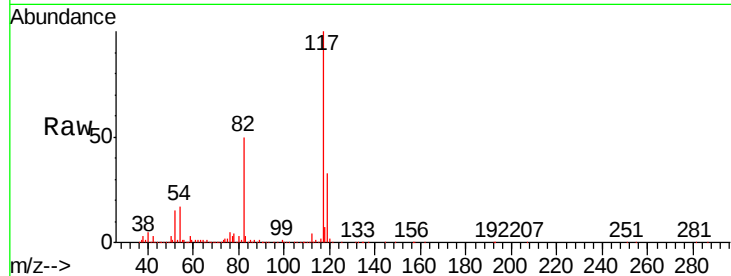
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	961896		
82	50.0	39.6	59.4	
119	33.2	26.3	39.5	

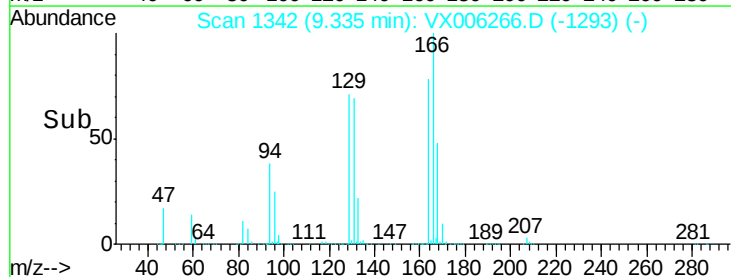
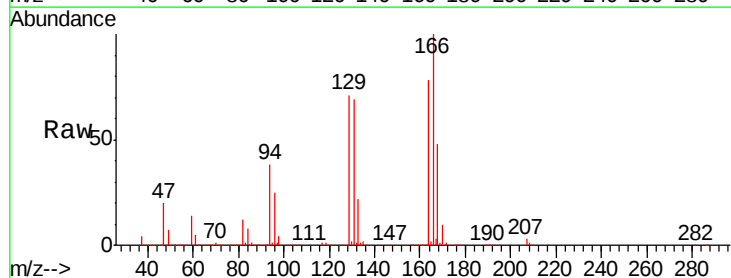
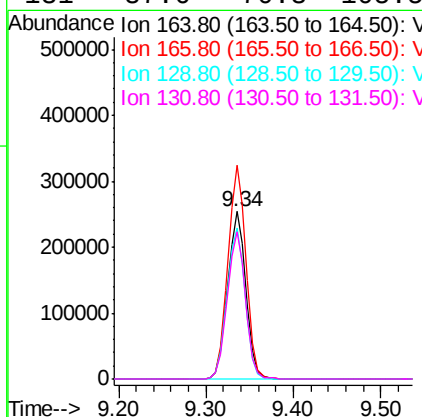
Manual Integrations
APPROVED

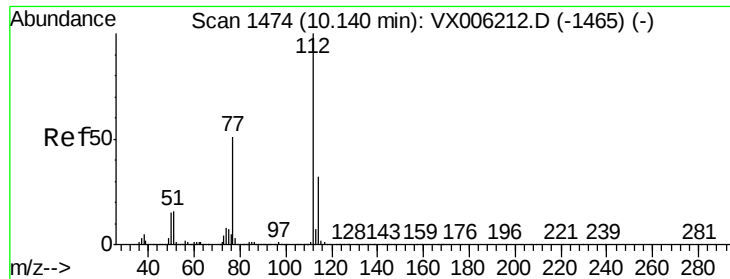
MMDadoda
12/4/2018 9:59:00 AM



#64
Tetrachloroethene
Concen: 50.643 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	366852		
166	127.5	104.2	156.2	
129	90.0	72.6	108.8	
131	87.6	70.3	105.5	





#65

Chlorobenzene

Concen: 49.504 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 1010822

Ion Ratio Lower Upper

112 100

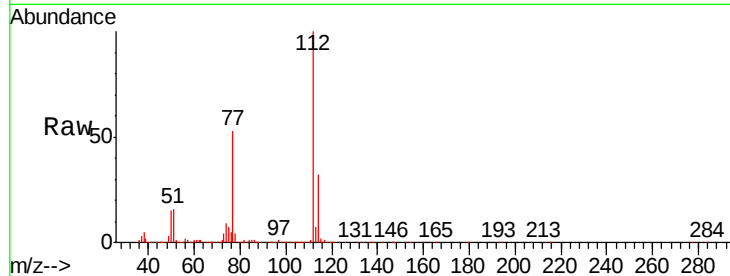
114 31.9 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

12/4/2018 9:59:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

800000

600000

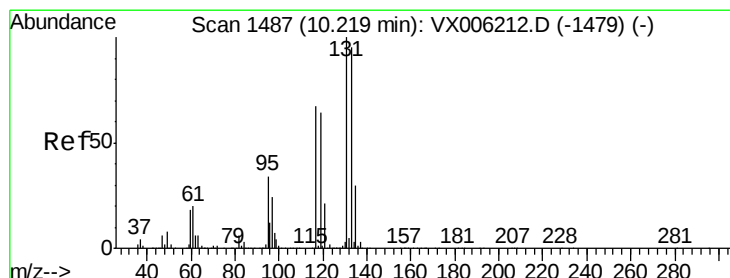
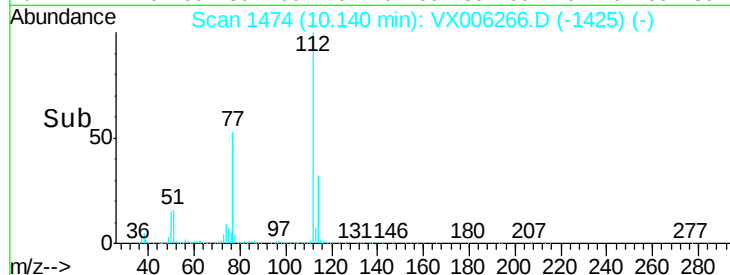
400000

200000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.254 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

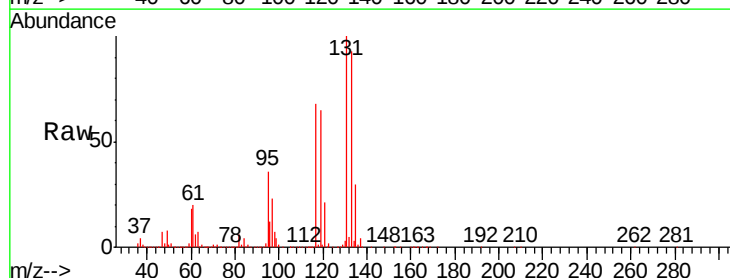
Tgt Ion:131 Resp: 398688

Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.4

119 63.8 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

400000

300000

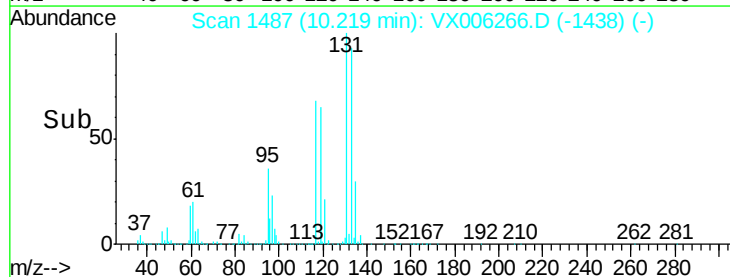
200000

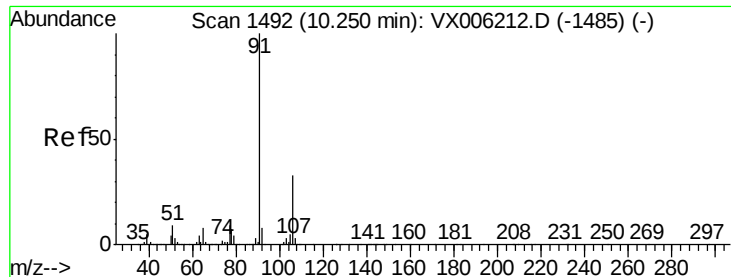
100000

0

10.20 10.30

Time-->





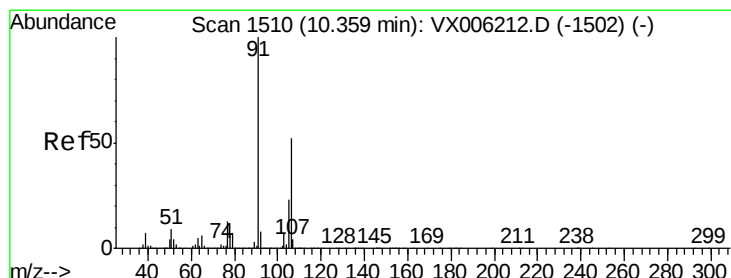
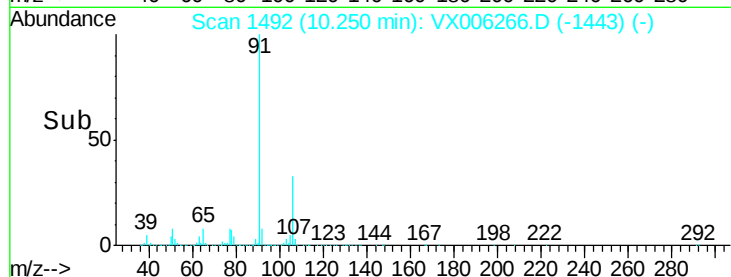
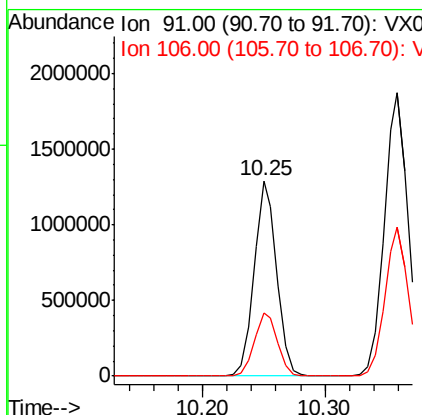
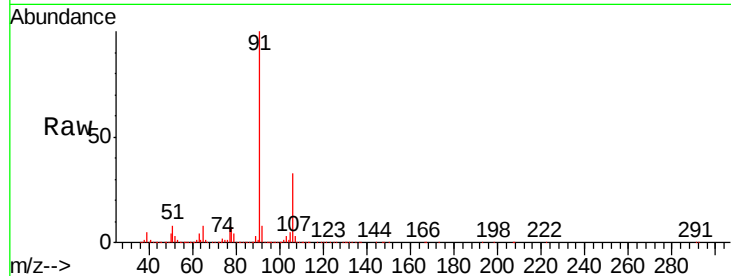
#67
Ethyl Benzene
Concen: 48.879 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1659980
Ion Ratio Lower Upper
91 100
106 32.5 26.5 39.7

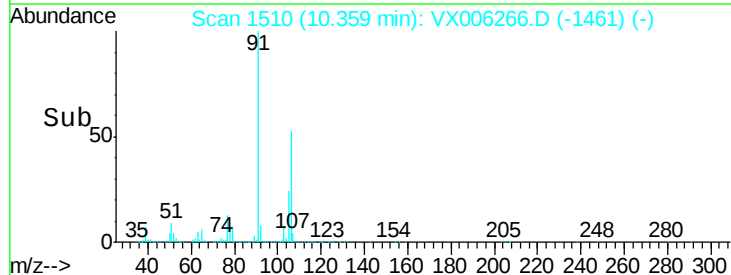
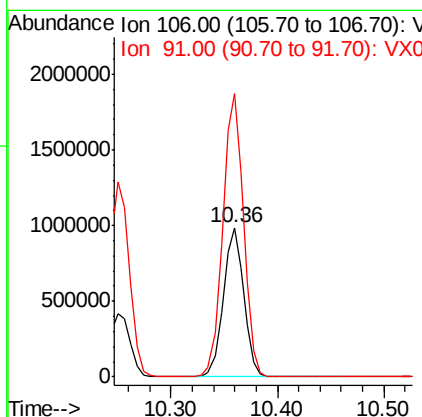
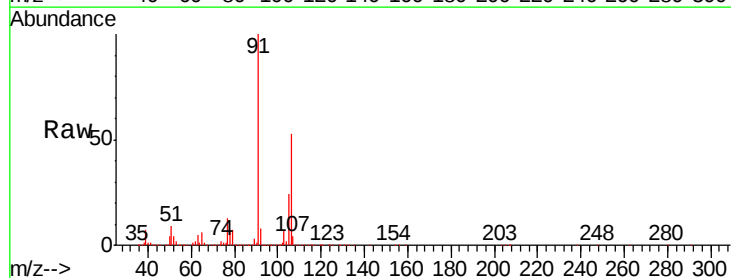
Manual Integrations
APPROVED

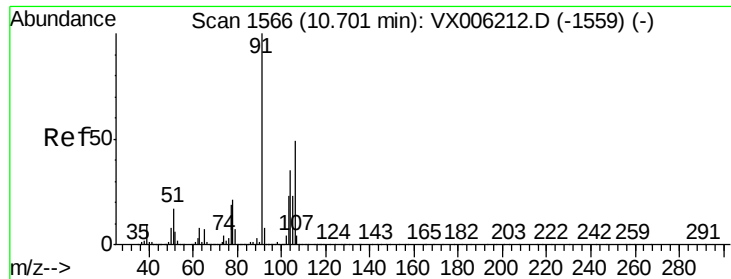
MMDadoda
12/4/2018 9:59:00 AM



#68
m/p-Xylenes
Concen: 96.530 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 106 Resp: 1313167
Ion Ratio Lower Upper
106 100
91 193.2 155.2 232.8





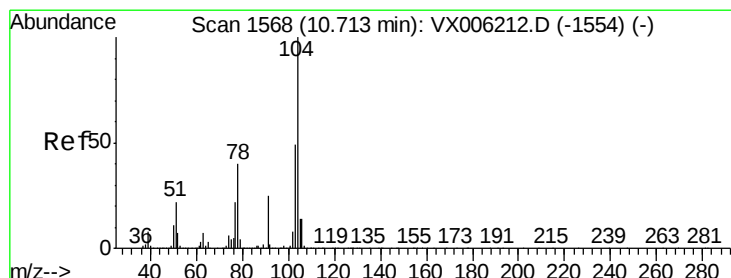
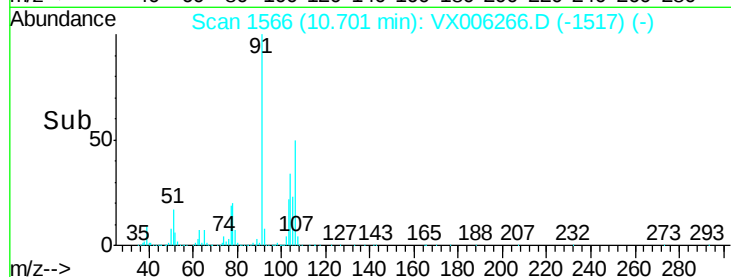
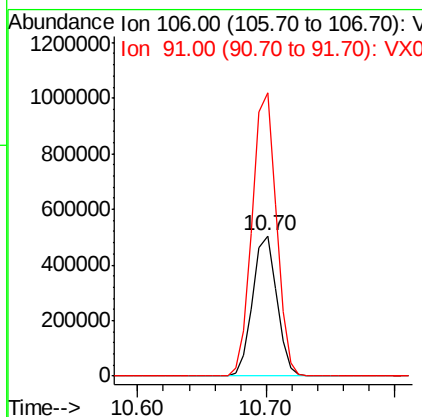
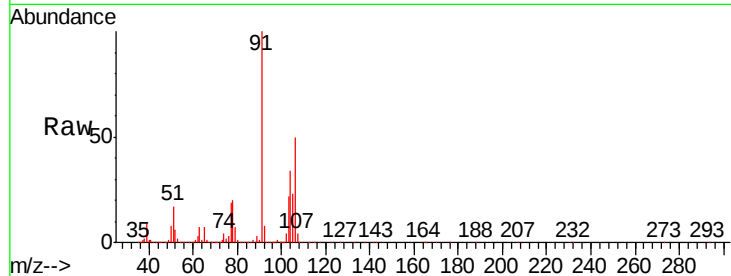
#69
o-Xylene
Concen: 48.274 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.5	101.8	305.6

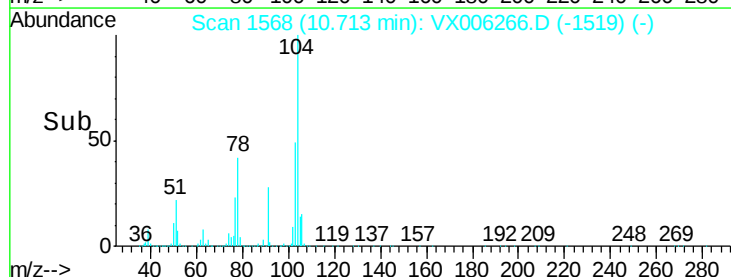
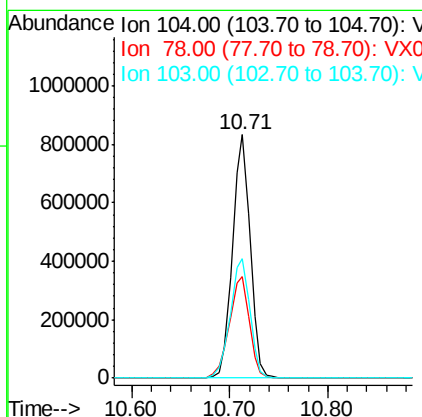
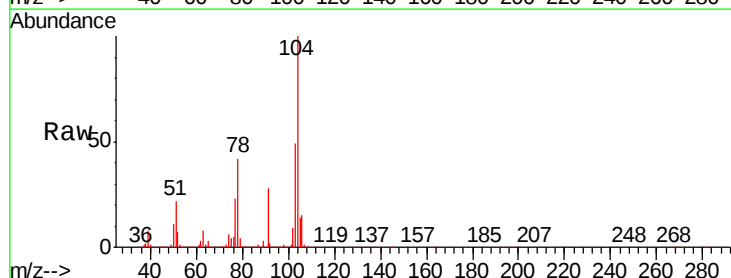
Manual Integrations
APPROVED

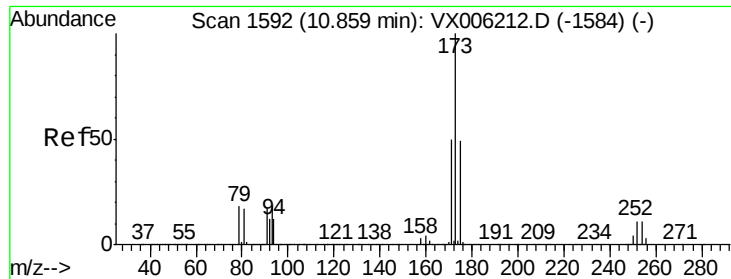
MMDadoda
12/4/2018 9:59:00 AM



#70
Styrene
Concen: 48.084 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.2	55.8
103	54.8	43.5	65.3





#71

Bromoform

Concen: 47.147 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

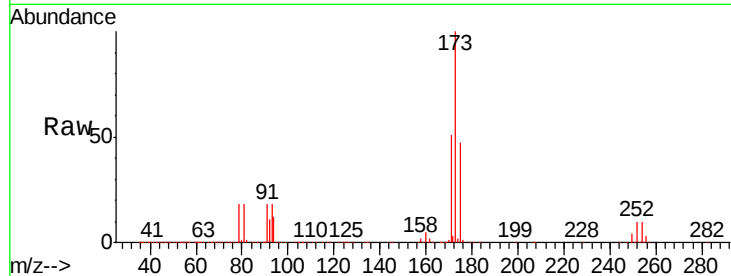
ClientSampleId :

VSTDCCC050EC

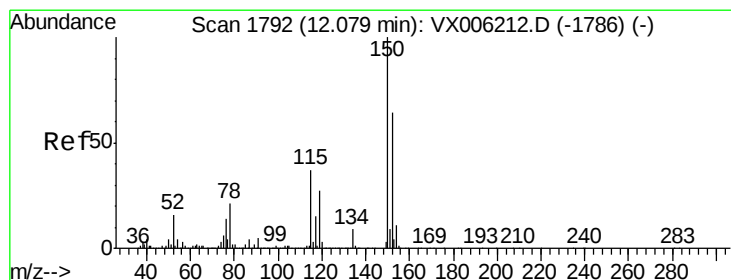
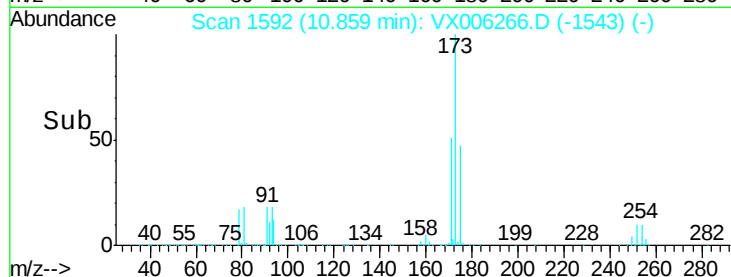
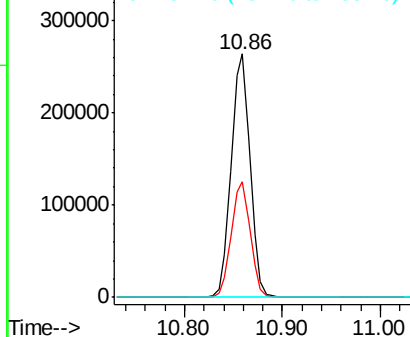
Tgt Ion:	173	Resp:	353090
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 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

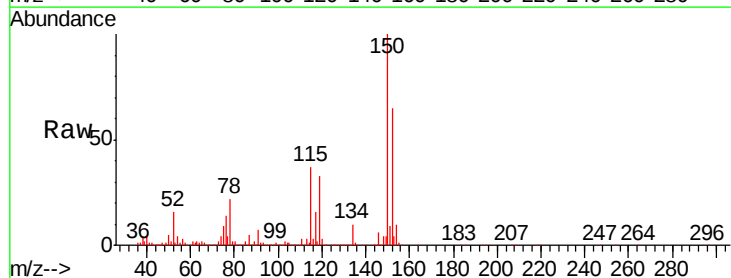
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

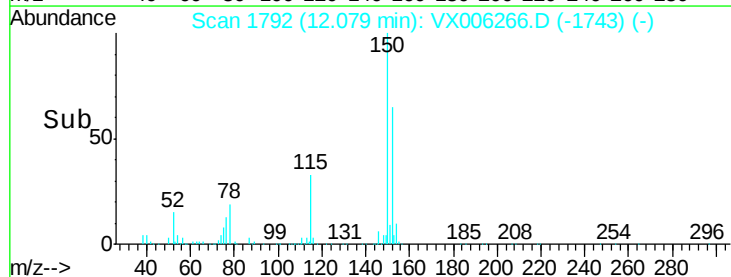
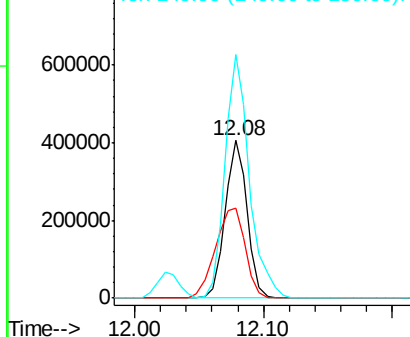
Lab File: VX006266.D

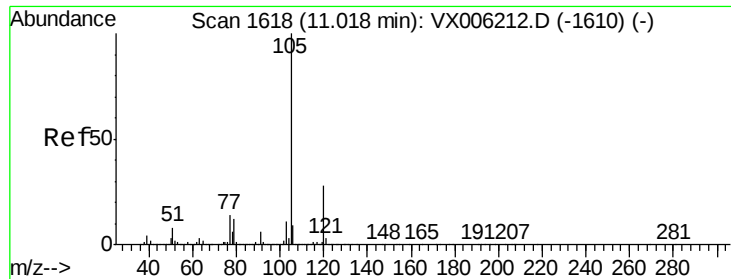
Acq: 03 Dec 2018 20:57

Tgt Ion:	152	Resp:	482180
Ion Ratio	Lower	Upper	
152	100		
115	77.9	39.0	116.9
150	172.8	0.0	345.8



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: 51.113 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1702014

Ion Ratio Lower Upper

105 100

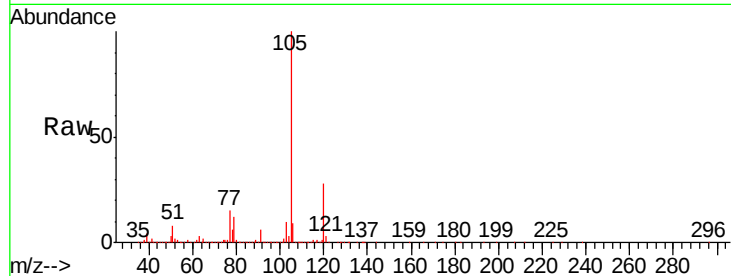
120 28.3 14.1 42.3

Manual Integrations

APPROVED

MMDadoda

12/4/2018 9:59:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

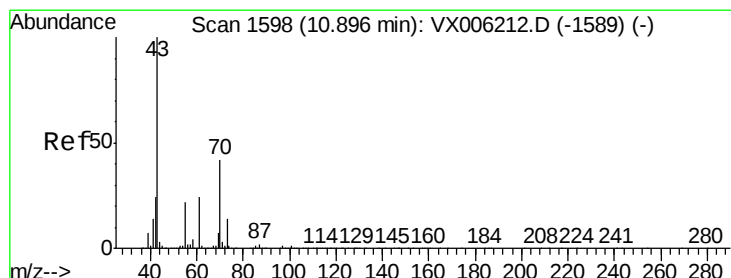
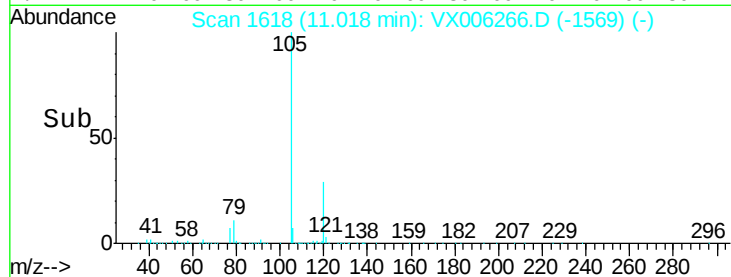
1500000

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 47.592 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion: 43 Resp: 682428

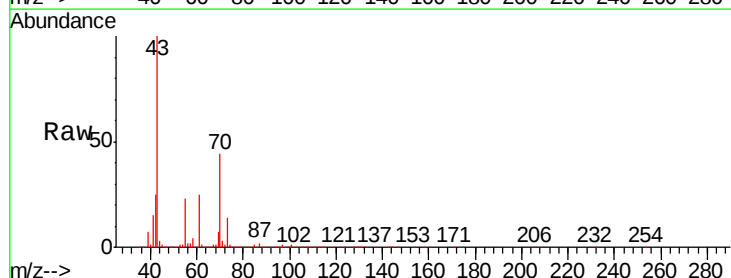
Ion Ratio Lower Upper

43 100

70 43.6 34.1 51.1

55 23.0 17.8 26.8

61 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

800000

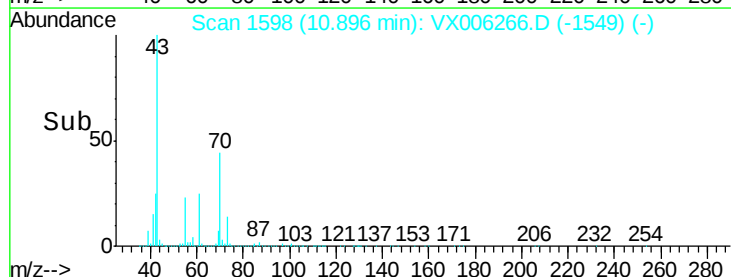
600000

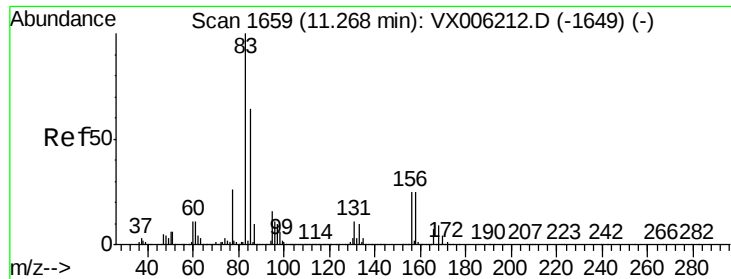
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.450 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 526788

Ion Ratio Lower Upper

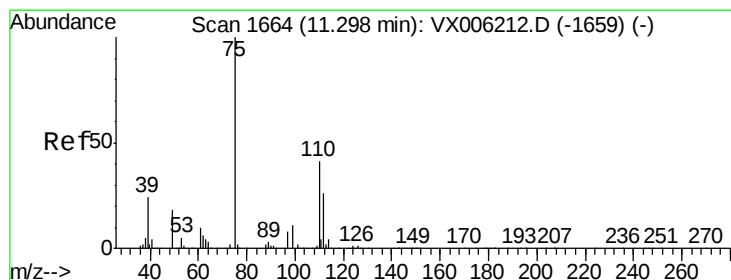
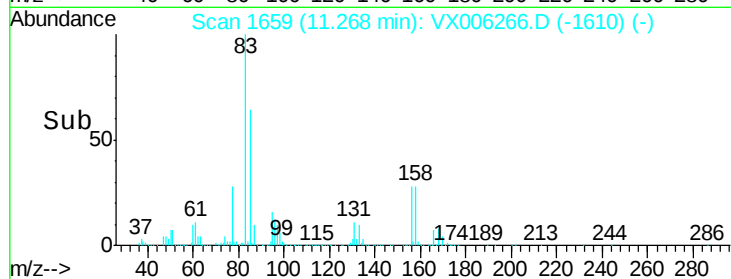
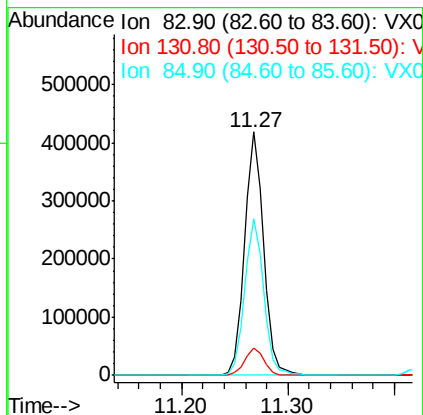
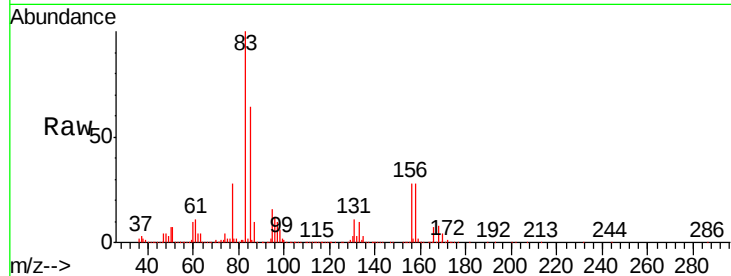
83 100

131 11.3 5.7 17.1

85 64.7 32.1 96.5

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#76

1,2,3-Trichloropropane

Concen: 52.911 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006266.D

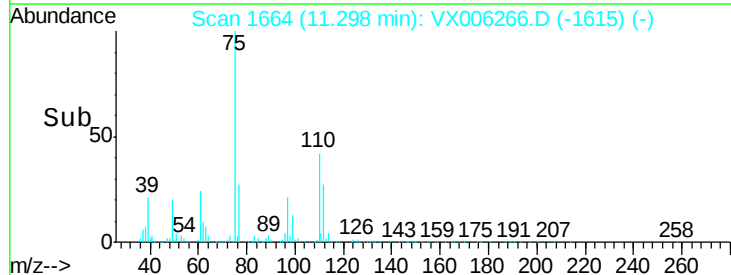
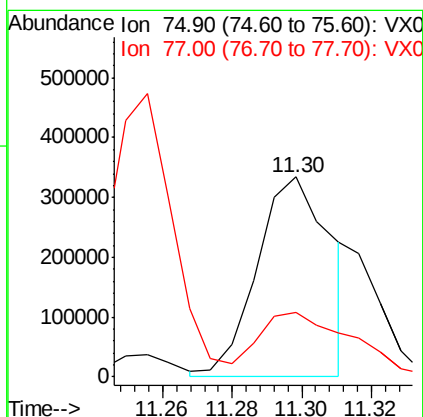
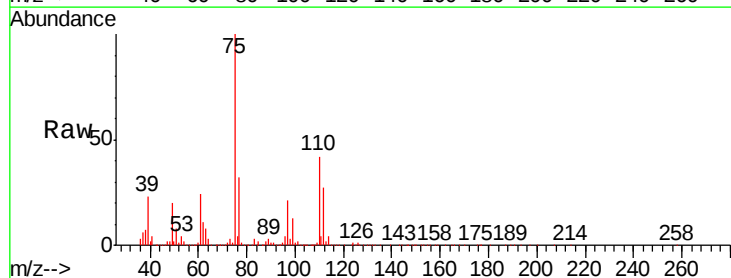
Acq: 03 Dec 2018 20:57

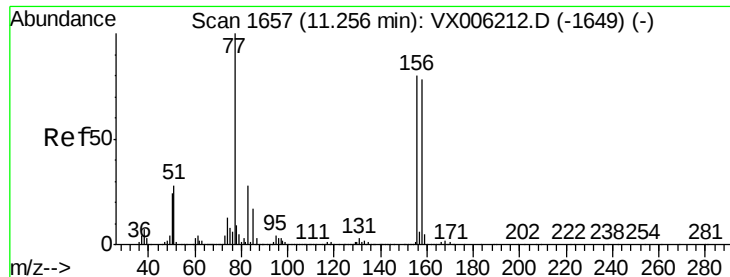
Tgt Ion: 75 Resp: 492439

Ion Ratio Lower Upper

75 100

77 40.5 19.9 59.7





#77

Bromobenzene

Concen: 49.586 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

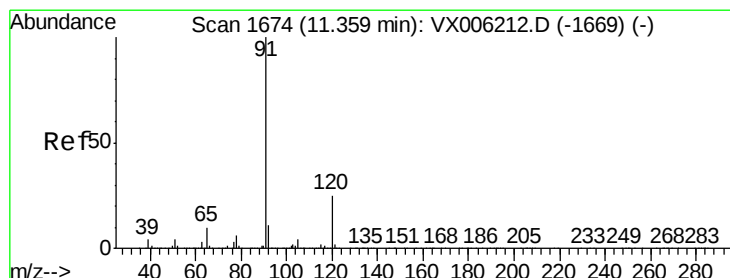
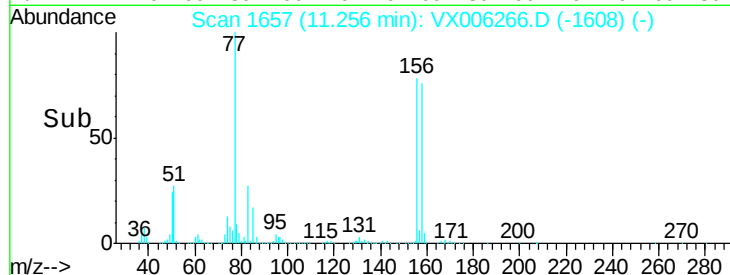
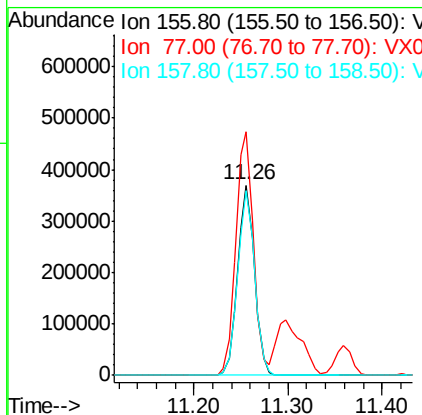
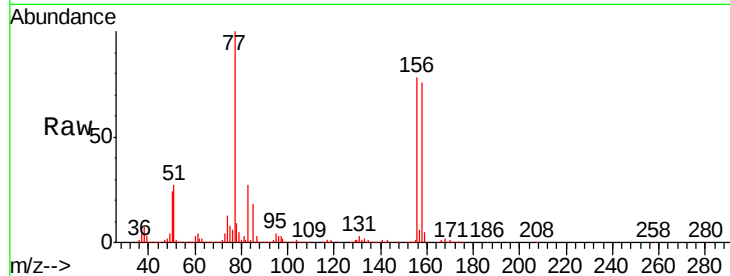
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	458220
Ion Ratio	Lower	Upper	
156	100		
77	133.7	66.2	198.6
158	97.6	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#78

n-propylbenzene

Concen: 50.719 ug/l

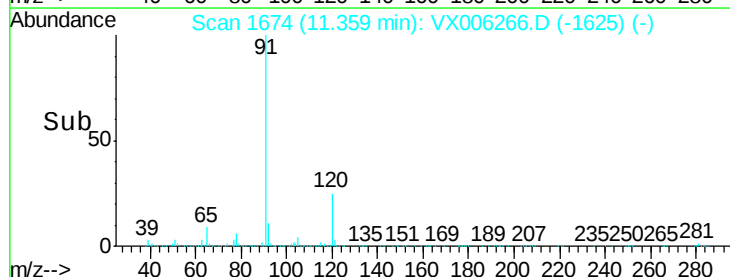
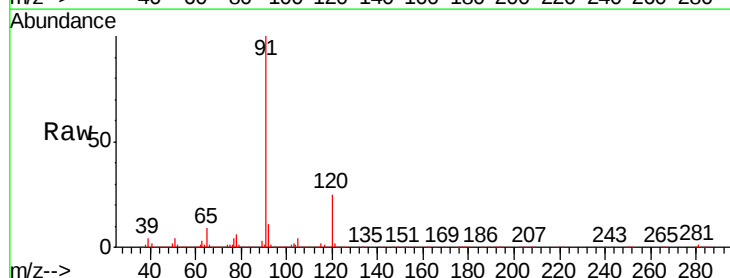
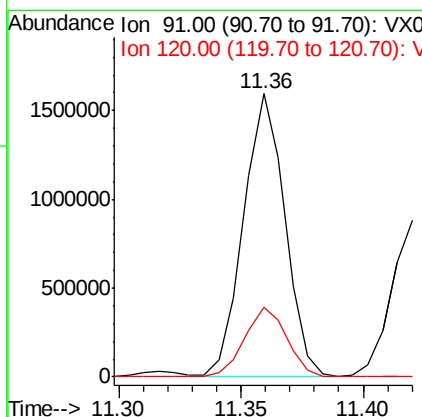
RT: 11.36 min Scan# 1674

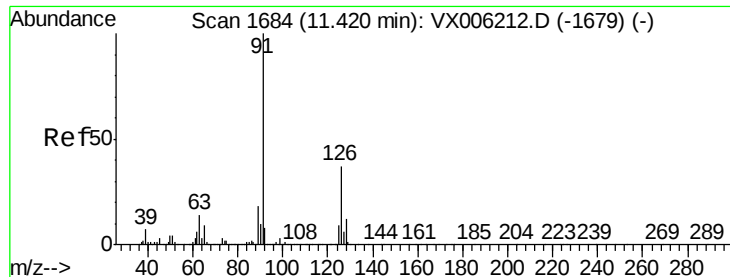
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	91	Resp:	1877368
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





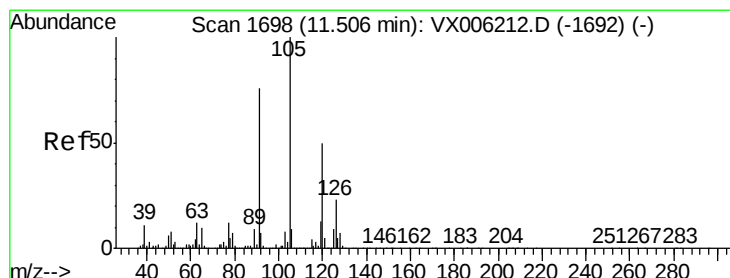
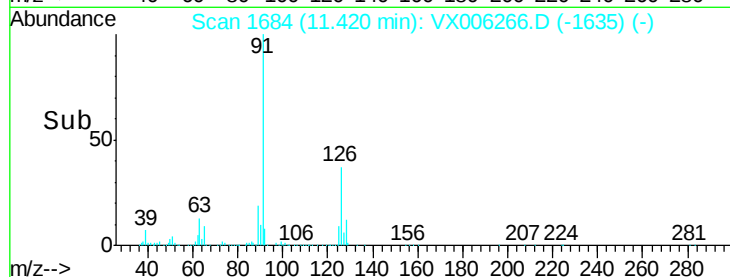
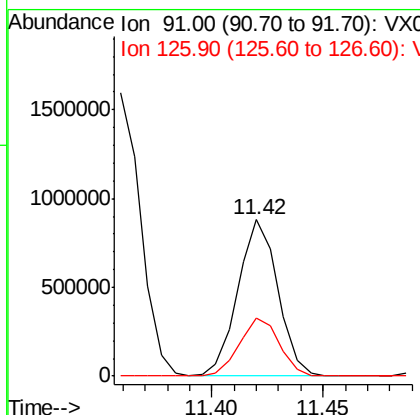
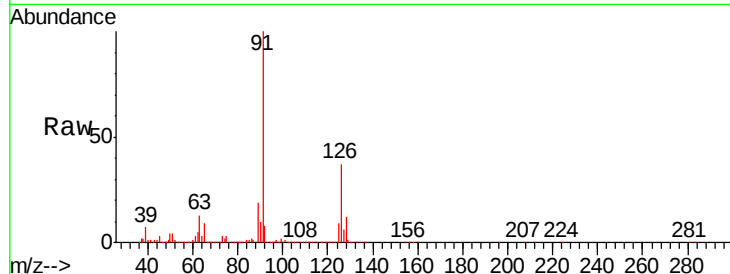
#79
 2-Chlorotoluene
 Concen: 49.915 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 1098136
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.6 56.0

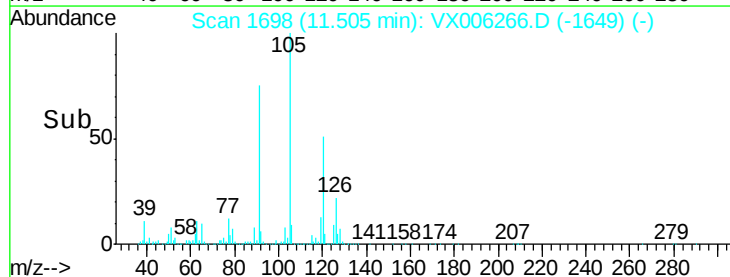
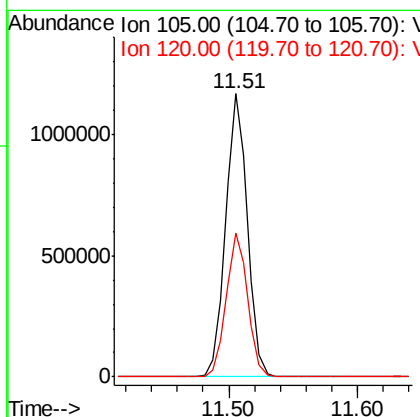
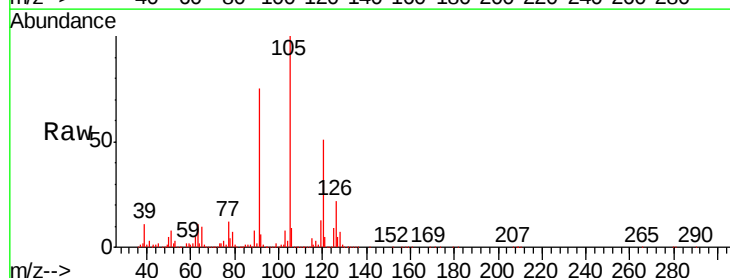
Manual Integrations
 APPROVED

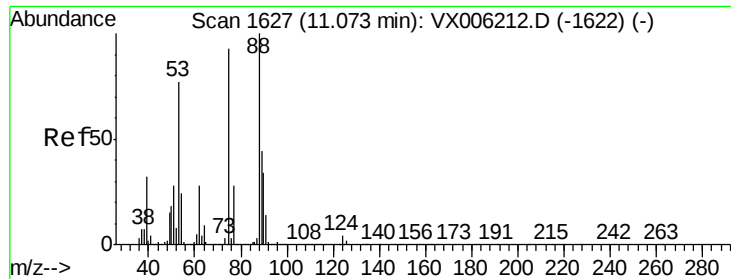
MMDadoda
 12/4/2018 9:59:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.817 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion: 105 Resp: 1380201
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.445 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Instrument :

MSVOA_X

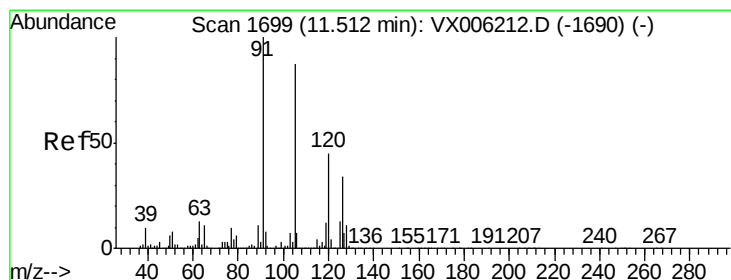
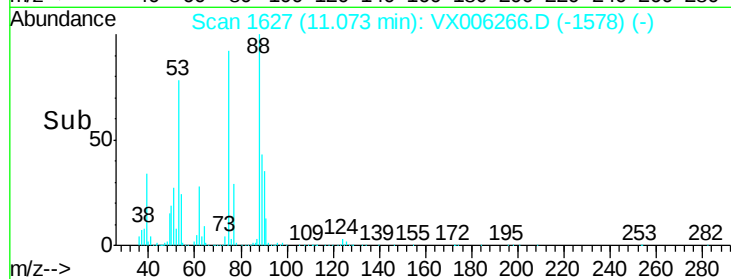
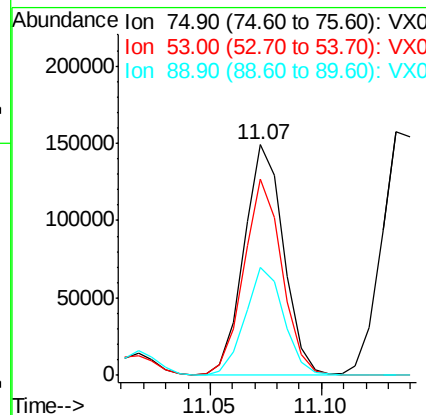
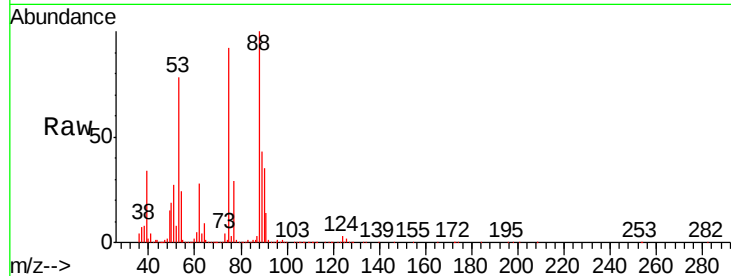
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	184195
Ion	Ratio	Lower	Upper
75	100		
53	82.4	64.4	96.6
89	46.5	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#82

4-Chlorotoluene

Concen: 49.470 ug/l

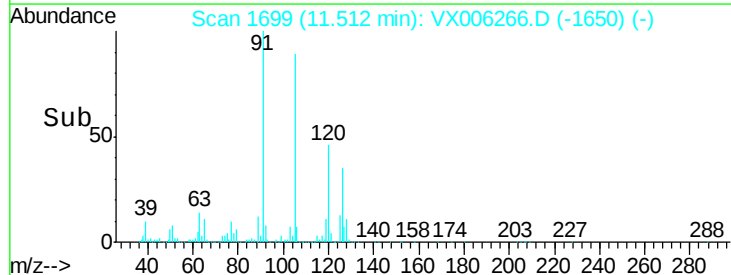
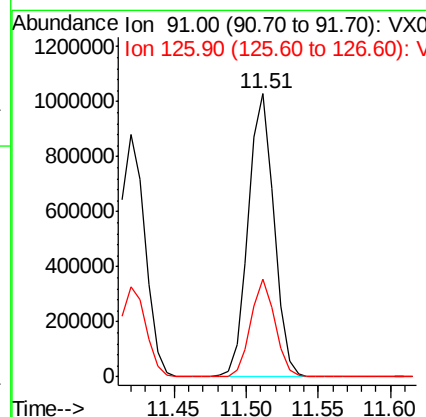
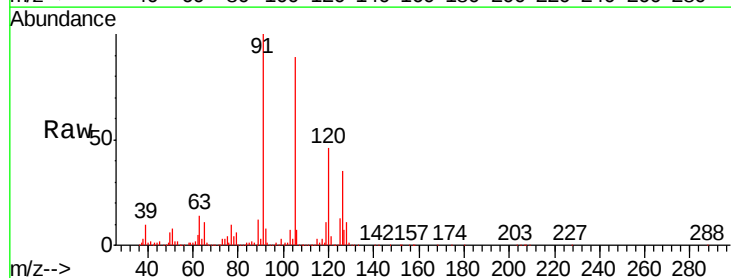
RT: 11.51 min Scan# 1699

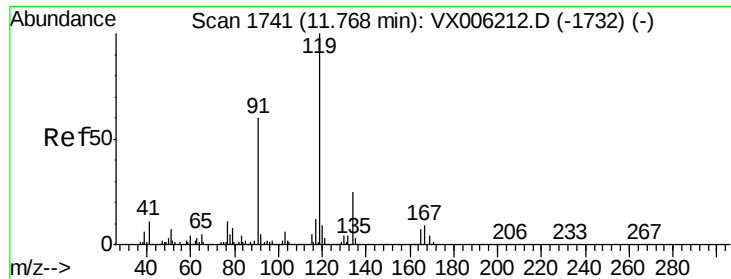
Delta R.T. -0.00 min

Lab File: VX006266.D

Acq: 03 Dec 2018 20:57

Tgt Ion:	91	Resp:	1265381
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4





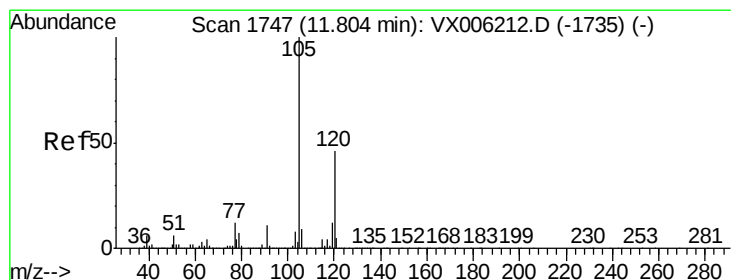
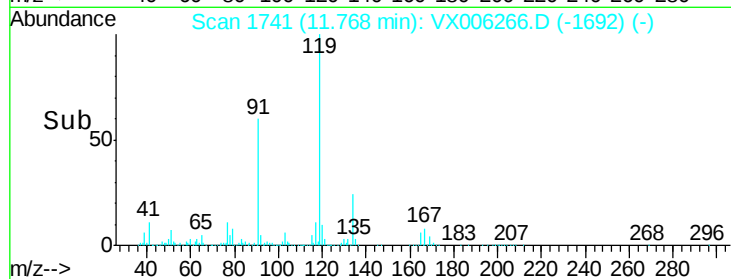
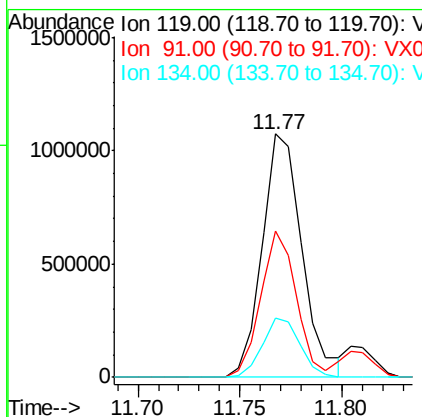
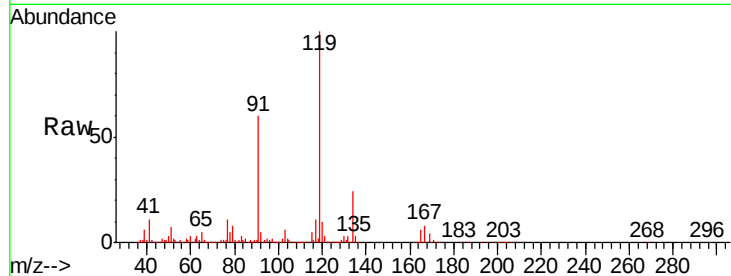
#83
tert-Butylbenzene
Concen: 49.555 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.8	26.4	79.2
134	23.1	11.6	34.7

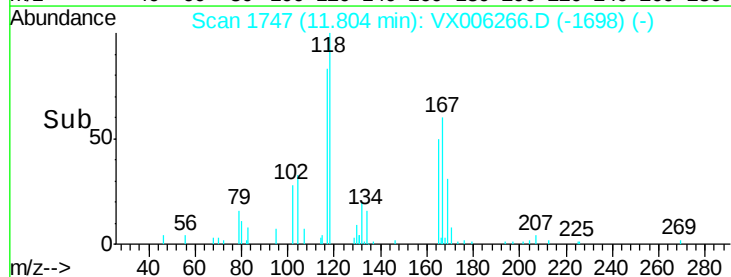
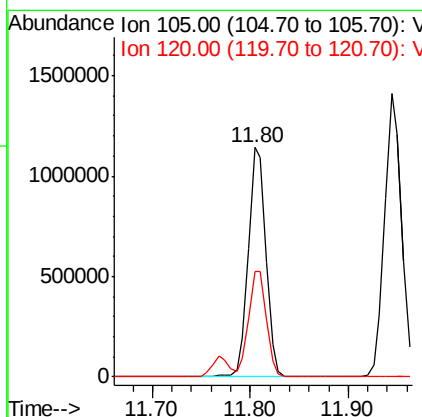
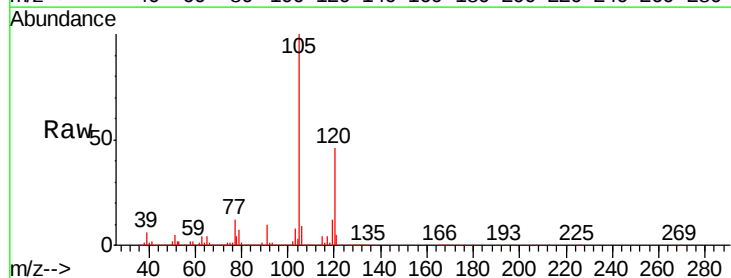
Manual Integrations
APPROVED

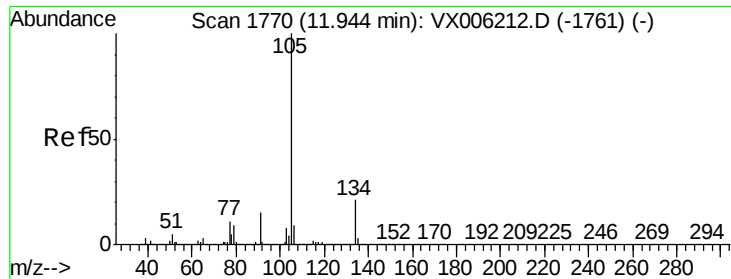
MMDadoda
12/4/2018 9:59:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.910 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0





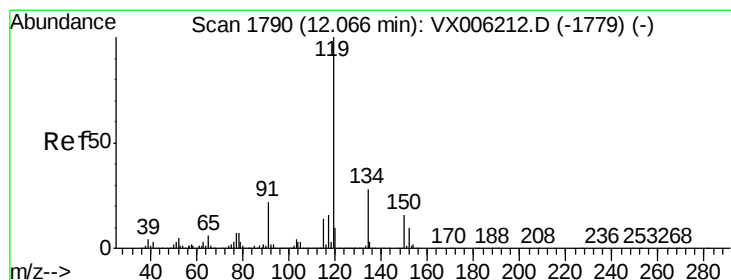
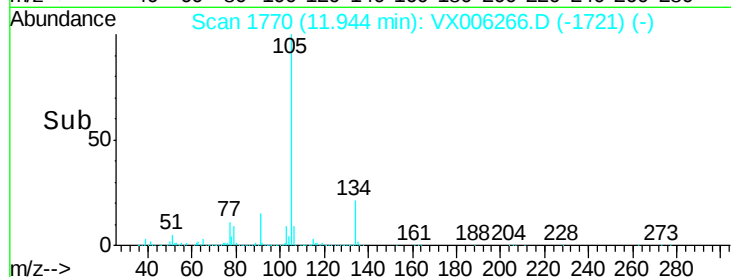
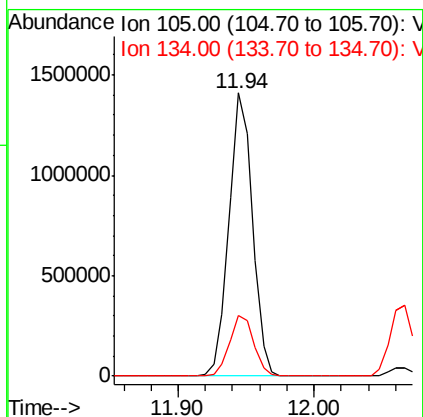
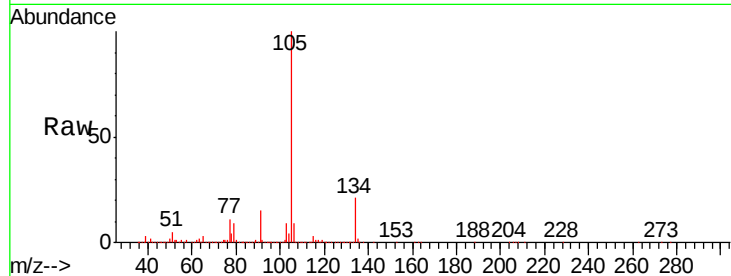
#85
 sec-Butylbenzene
 Concen: 50.485 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1697769
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.8 32.4

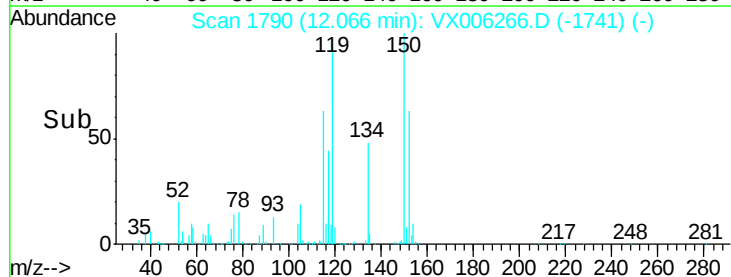
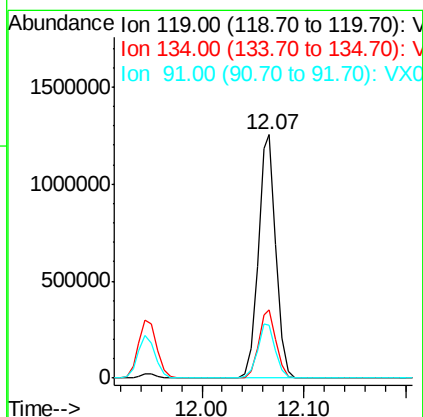
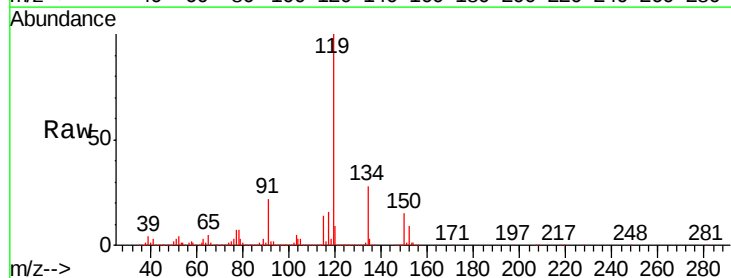
Manual Integrations
 APPROVED

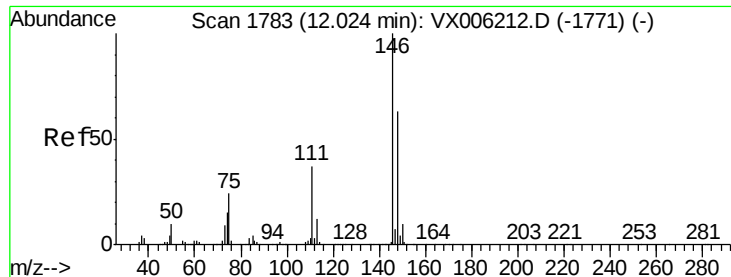
MMDadoda
 12/4/2018 9:59:00 AM



#86
 p-Isopropyltoluene
 Concen: 49.986 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion:119 Resp: 1513673
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.9 41.6
 91 22.6 11.3 33.8





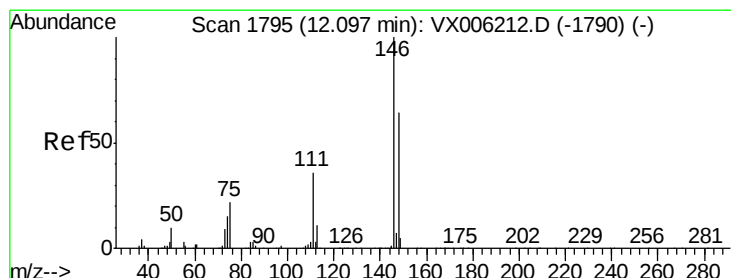
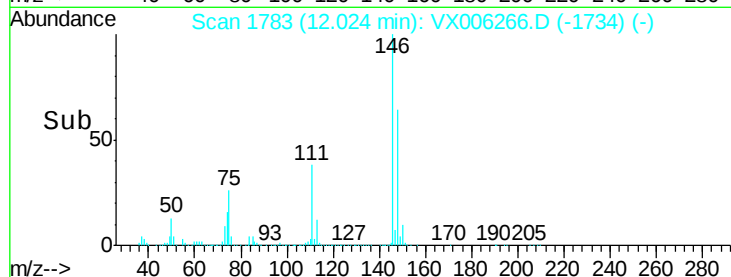
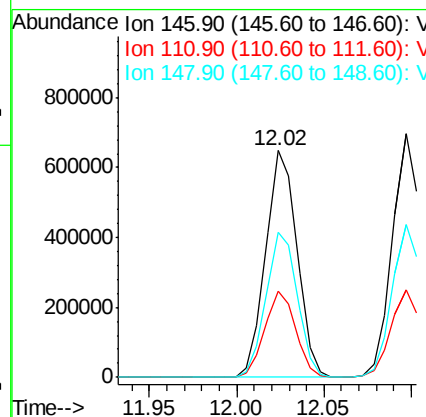
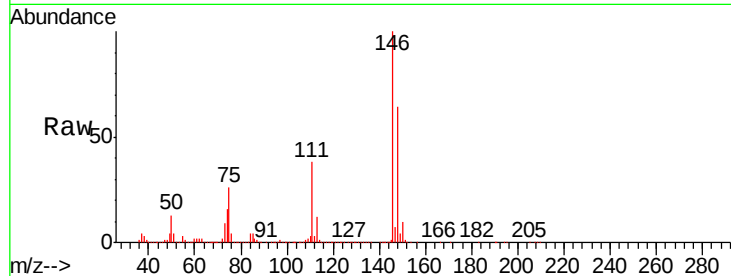
#87
 1,3-Dichlorobenzene
 Concen: 49.380 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.2	32.0	96.0

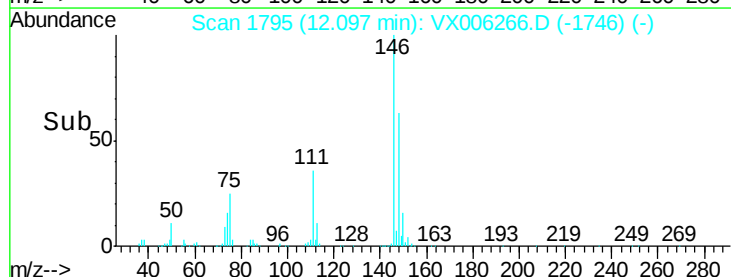
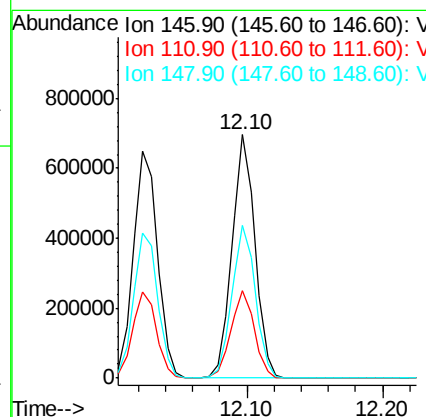
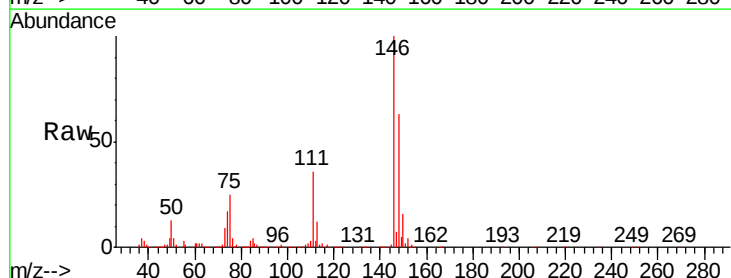
Manual Integrations
 APPROVED

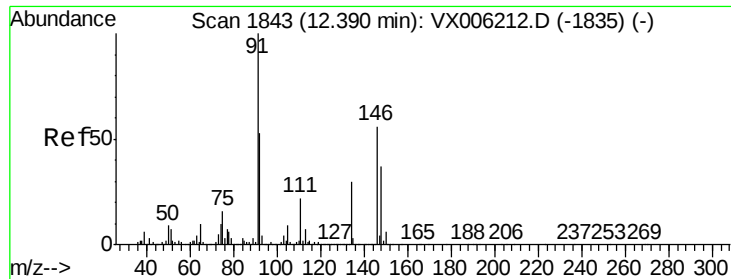
MMDadoda
 12/4/2018 9:59:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.775 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.8
148	63.9	31.9	95.9





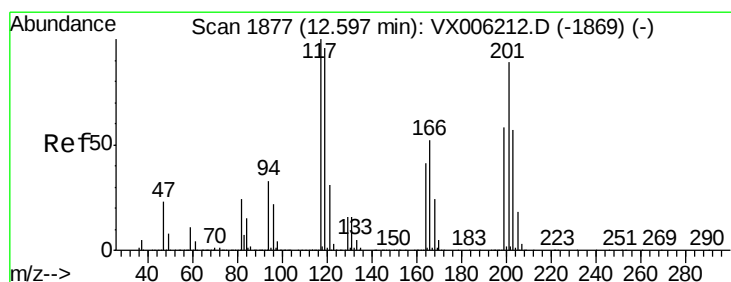
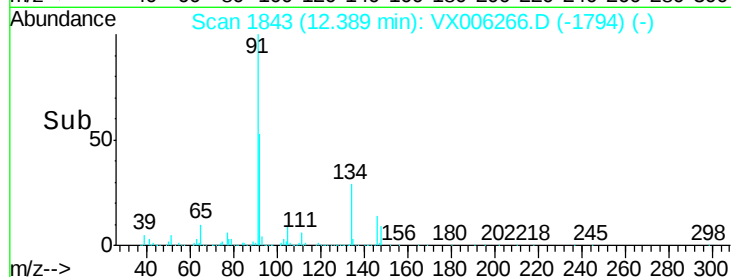
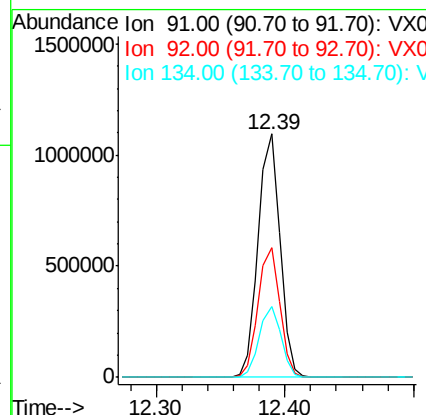
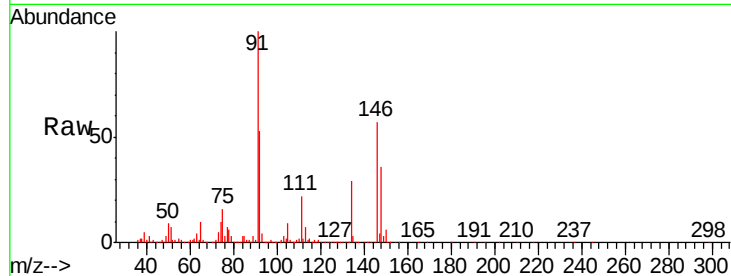
#89
n-Butylbenzene
Concen: 49.233 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1272088
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 29.1 14.8 44.3

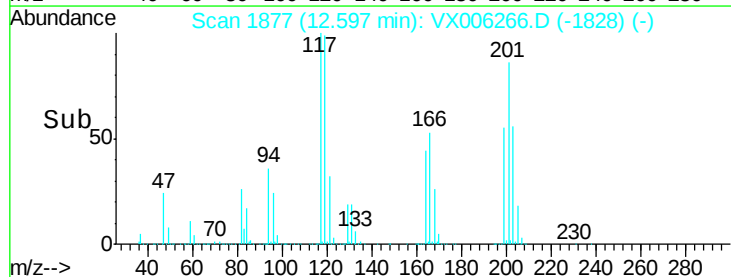
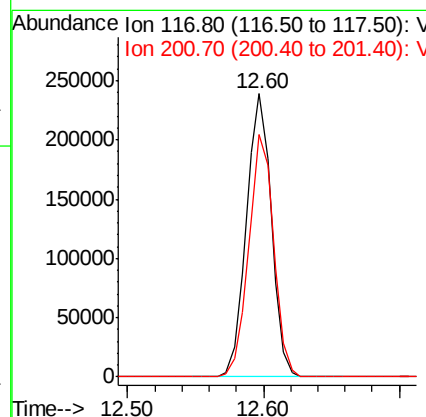
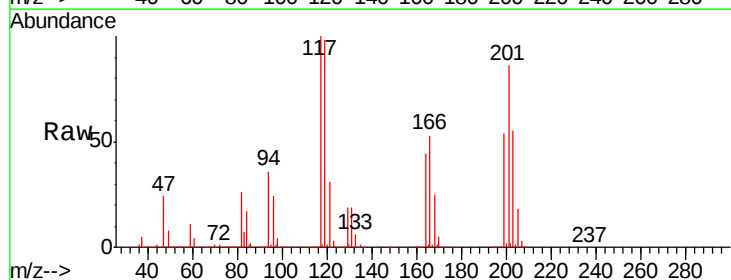
Manual Integrations
APPROVED

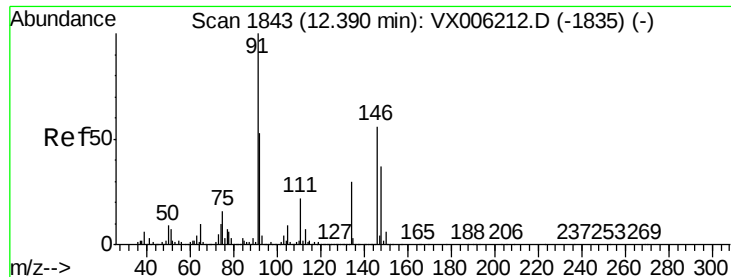
MMDadoda
12/4/2018 9:59:00 AM



#90
Hexachloroethane
Concen: 49.452 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion: 117 Resp: 305210
Ion Ratio Lower Upper
117 100
201 85.7 44.7 134.1





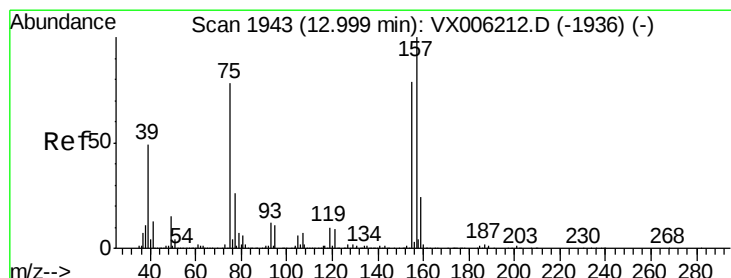
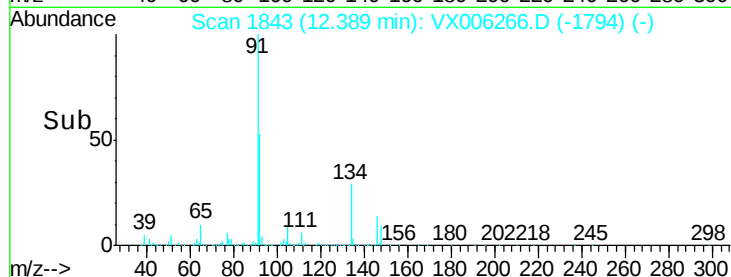
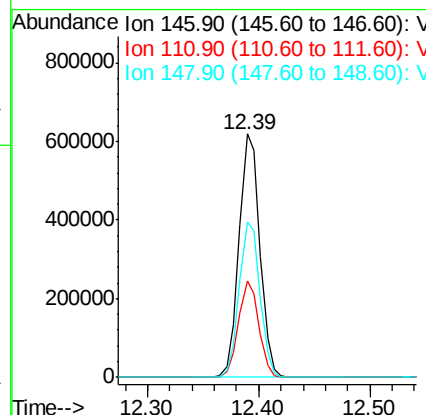
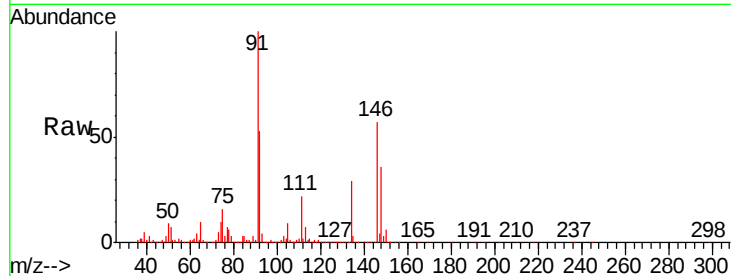
#91
 1,2-Dichlorobenzene
 Concen: 48.965 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	63.8	32.1	96.3

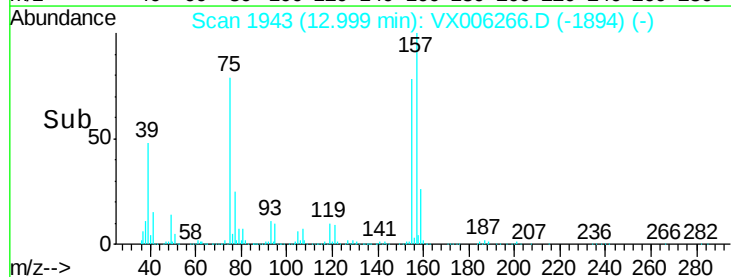
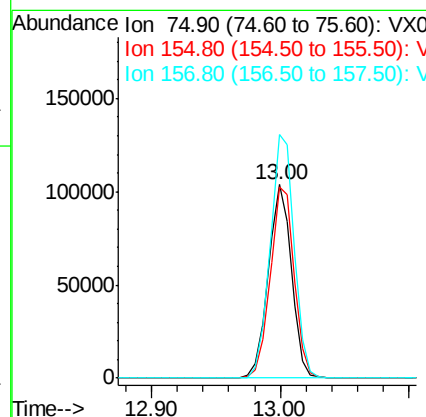
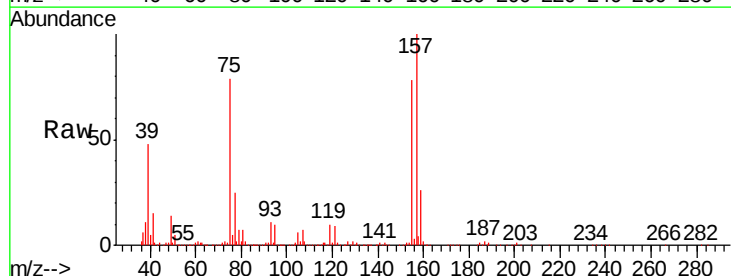
Manual Integrations
 APPROVED

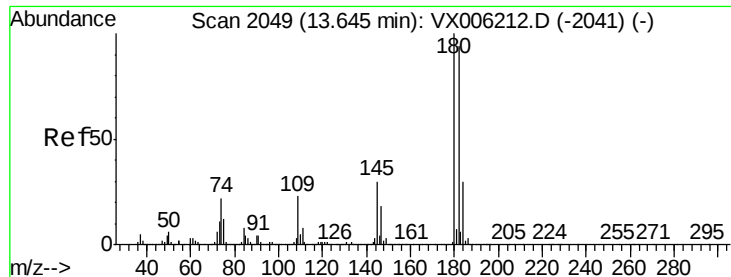
MMDadoda
 12/4/2018 9:59:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.351 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	53.4	160.3
157	130.7	68.0	203.8





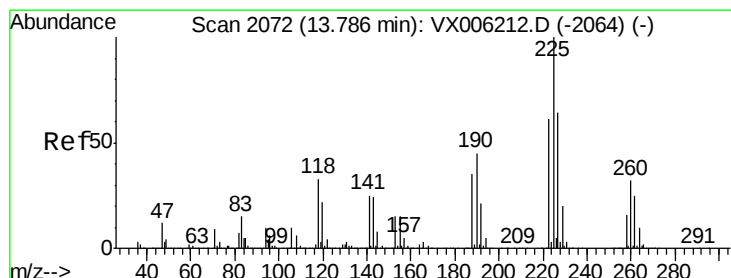
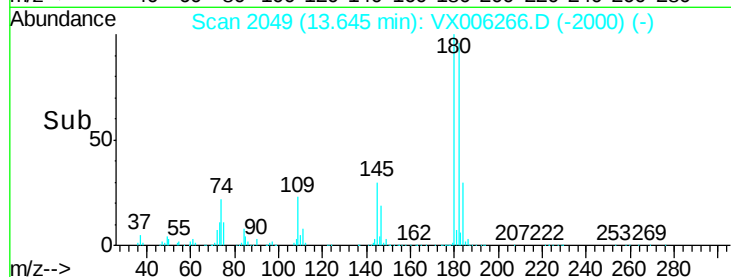
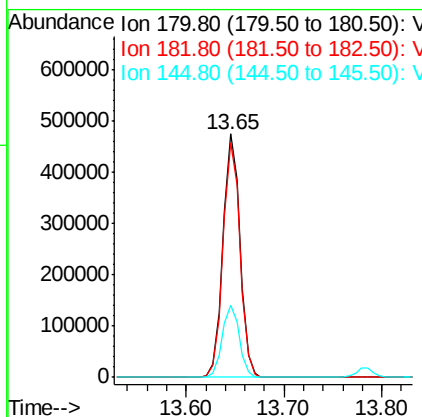
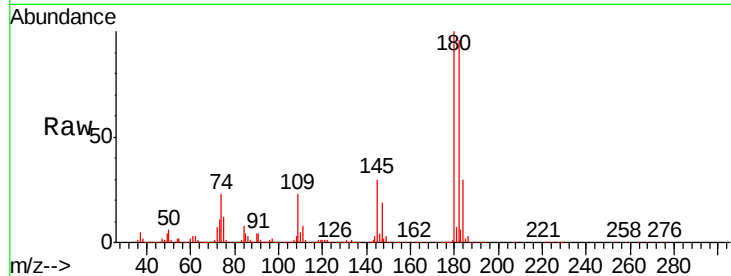
#93
 1,2,4-Trichlorobenzene
 Concen: 48.071 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	29.8	14.6	43.8

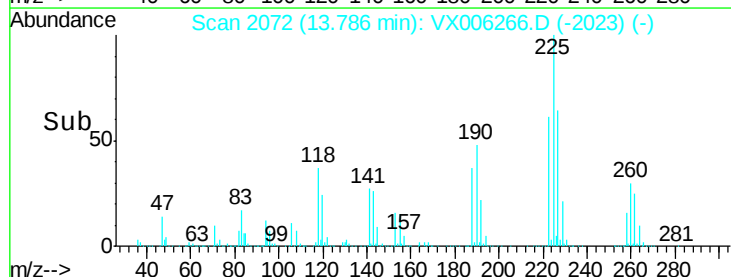
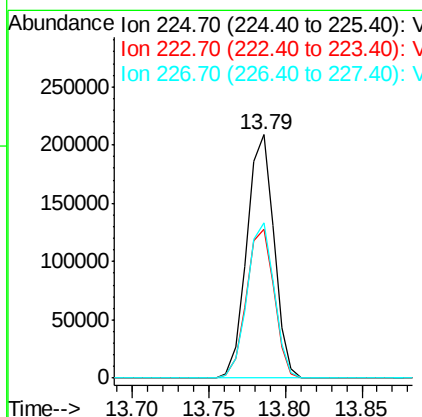
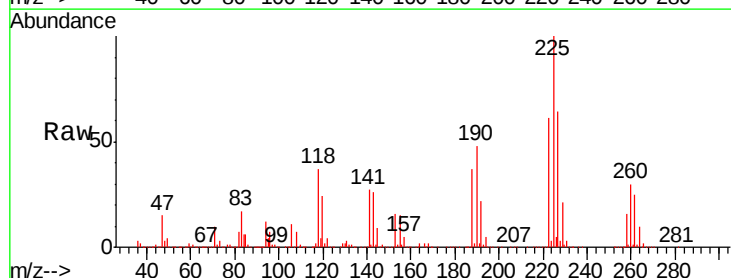
Manual Integrations
 APPROVED

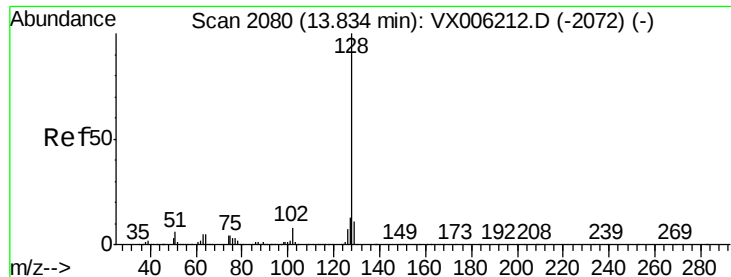
MMDadoda
 12/4/2018 9:59:00 AM



#94
 Hexachlorobutadiene
 Concen: 49.064 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006266.D
 Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.2	93.6
227	63.5	31.9	95.5





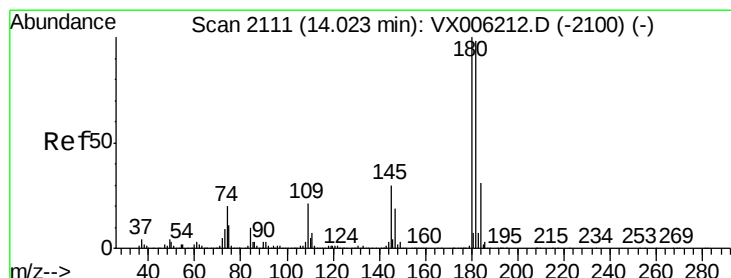
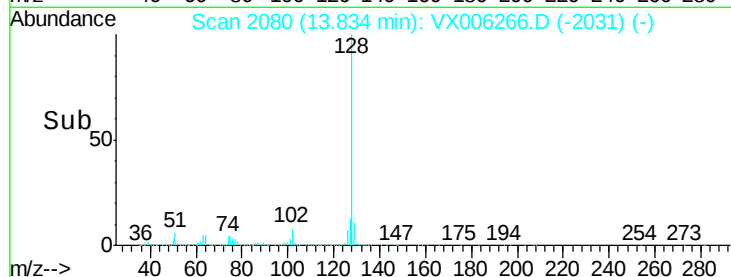
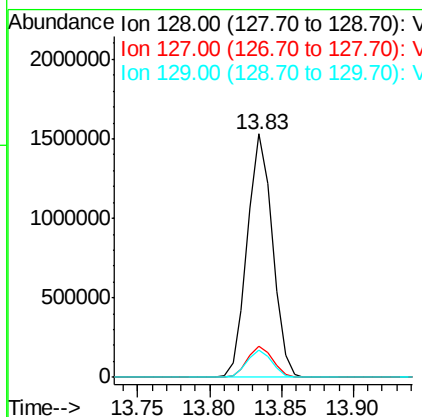
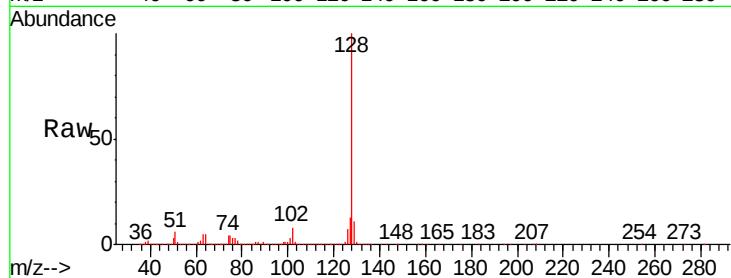
#95
Naphthalene
Concen: 49.816 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/4/2018 9:59:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.945 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX006266.D
Acq: 03 Dec 2018 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	31.8	15.6	46.8

