

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006635.D
 Acq On : 19 Dec 2018 14:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:18 AM

Quant Time: Dec 20 04:12:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	603495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	917487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	858708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	458522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	317929	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	5.50	113	285114	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	1086314	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	415644	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	269564	48.826	ug/l	99
3) Chloromethane	1.32	50	279523	46.995	ug/l	99
4) Vinyl Chloride	1.41	62	302447	48.687	ug/l	99
5) Bromomethane	1.64	94	303100	52.376	ug/l	97
6) Chloroethane	1.71	64	194112	45.128	ug/l	98
7) Trichlorofluoromethane	1.93	101	474716	49.015	ug/l	100
8) Diethyl Ether	2.19	74	182368	47.407	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	292428	51.424	ug/l	100
10) Methyl Iodide	2.51	142	426611	52.408	ug/l	99
11) Tert butyl alcohol	3.07	59	340632	234.666	ug/l	100
12) 1,1-Dichloroethene	2.37	96	261608	48.517	ug/l	96
13) Acrolein	2.29	56	220986	225.673	ug/l	98
14) Allyl chloride	2.73	41	442973	48.806	ug/l	99
15) Acrylonitrile	3.15	53	789426	244.941	ug/l	99
16) Acetone	2.45	43	745131	249.355	ug/l	97
17) Carbon Disulfide	2.57	76	649544	45.520	ug/l	98
18) Methyl Acetate	2.78	43	430471	48.990	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	884554	49.427	ug/l	99
20) Methylene Chloride	2.85	84	292352	47.313	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	279183	46.730	ug/l	98
22) Diisopropyl ether	3.87	45	841944	50.707	ug/l	97
23) Vinyl Acetate	3.82	43	3531694	260.033	ug/l	98
24) 1,1-Dichloroethane	3.70	63	488582	49.292	ug/l	99
25) 2-Butanone	4.70	43	1045765	248.795	ug/l	99
26) 2,2-Dichloropropane	4.59	77	376815	49.215	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	323077	49.013	ug/l	99
28) Bromochloromethane	5.01	49	224796	53.947	ug/l	97
29) Tetrahydrofuran	5.15	42	675855	244.128	ug/l	99
30) Chloroform	5.21	83	513481	50.026	ug/l	99
31) Cyclohexane	5.57	56	449144	49.878	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	437981	50.534	ug/l	99
36) 1,1-Dichloropropene	5.80	75	384607	50.614	ug/l	99
37) Ethyl Acetate	4.85	43	380288	48.082	ug/l	99
38) Carbon Tetrachloride	5.78	117	373226	50.539	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006635.D
 Acq On : 19 Dec 2018 14:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:18 AM

Quant Time: Dec 20 04:12:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	515624	51.541	ug/l	98
40) Benzene	6.14	78	1158088	50.138	ug/l	100
41) Methacrylonitrile	5.06	41	218341	51.997	ug/l	99
42) 1,2-Dichloroethane	6.20	62	386712	49.132	ug/l	100
43) Isopropyl Acetate	6.46	43	625935	52.014	ug/l	99
44) Trichloroethene	7.21	130	344350	49.256	ug/l	100
45) 1,2-Dichloropropane	7.51	63	283569	50.449	ug/l	99
46) Dibromomethane	7.66	93	205853	49.789	ug/l	98
47) Bromodichloromethane	7.90	83	356644	51.957	ug/l	100
48) Methyl methacrylate	7.77	41	319493	52.208	ug/l	99
49) 1,4-Dioxane	7.75	88	161151	1006.586	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2023602	264.285	ug/l	100
52) Toluene	8.78	92	769173	51.545	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	398255	54.098	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	439520	54.411	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	313837	51.381	ug/l	99
56) Ethyl methacrylate	9.18	69	460413	53.333	ug/l	99
57) 1,3-Dichloropropane	9.37	76	494837	50.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1184160	258.046	ug/l	100
59) 2-Hexanone	9.49	43	1574678	268.789	ug/l	100
60) Dibromochloromethane	9.58	129	309221	48.479	ug/l	98
61) 1,2-Dibromoethane	9.67	107	337138	51.923	ug/l	99
64) Tetrachloroethene	9.34	164	330384	48.588	ug/l	99
65) Chlorobenzene	10.13	112	893618	49.190	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	300908	53.089	ug/l	100
67) Ethyl Benzene	10.25	91	1496060	50.397	ug/l	99
68) m/p-Xylenes	10.36	106	1197485	102.228	ug/l	99
69) o-Xylene	10.69	106	591058	51.098	ug/l	100
70) Styrene	10.71	104	957248	52.309	ug/l	100
71) Bromoform	10.86	173	225454	44.624	ug/l	99
73) Isopropylbenzene	11.02	105	1561398	49.776	ug/l	99
74) N-amyl acetate	10.90	43	570015	50.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	461974	49.520	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	433683m	50.894	ug/l	
77) Bromobenzene	11.26	156	417421	49.221	ug/l	99
78) n-propylbenzene	11.36	91	1772827	51.322	ug/l	99
79) 2-Chlorotoluene	11.42	91	1034607	49.424	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1308157	50.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	123938	44.749	ug/l	98
82) 4-Chlorotoluene	11.51	91	1208434	50.326	ug/l	99
83) tert-Butylbenzene	11.77	119	1316003	50.892	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1348854	49.634	ug/l	100
85) sec-Butylbenzene	11.94	105	1622892	51.188	ug/l	100
86) p-Isopropyltoluene	12.06	119	1442659	51.765	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	765420	50.079	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	771765	49.256	ug/l	99
89) n-Butylbenzene	12.39	91	1275175	53.763	ug/l	99
90) Hexachloroethane	12.60	117	203566	46.890	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	737777	48.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	94968	49.199	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
Data File : VX006635.D
Acq On : 19 Dec 2018 14:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

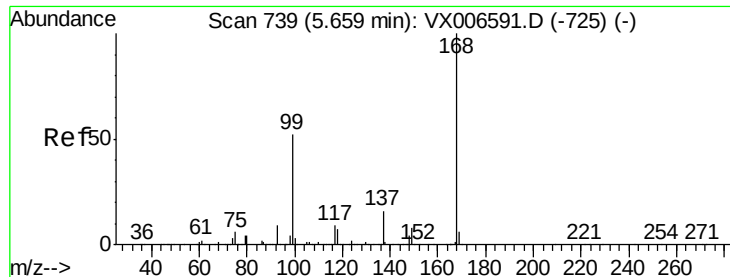
Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM

Quant Time: Dec 20 04:12:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	528998	50.158	ug/l	98
94) Hexachlorobutadiene	13.78	225	250731	50.438	ug/l	98
95) Naphthalene	13.83	128	1642312	48.790	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	532033	48.859	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 603495

Ion Ratio Lower Upper

168 100

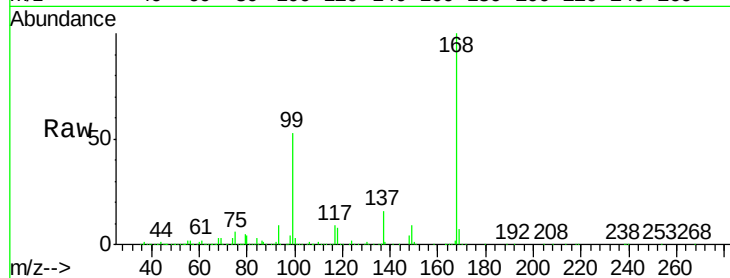
99 52.5 41.8 62.8

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

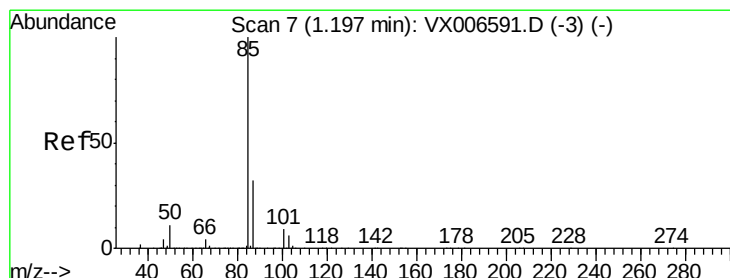
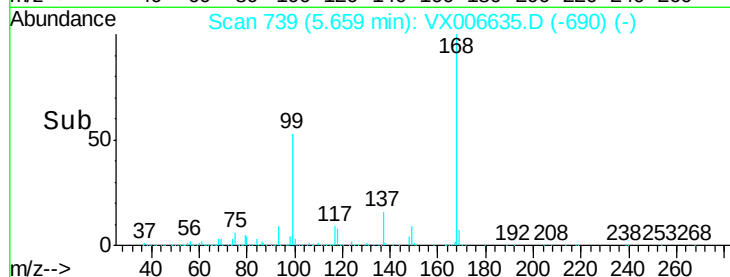
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.826 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006635.D

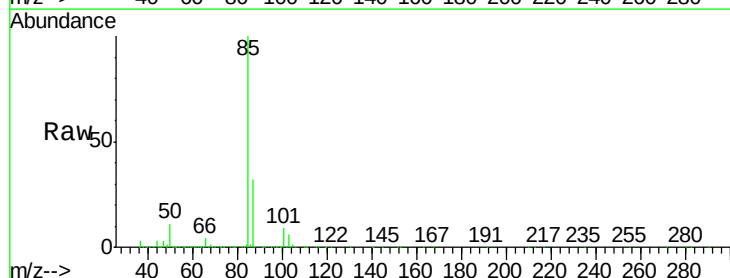
Acq: 19 Dec 2018 14:22

Tgt Ion: 85 Resp: 269564

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

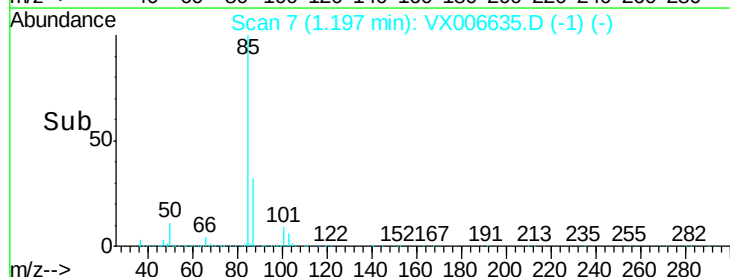
150000

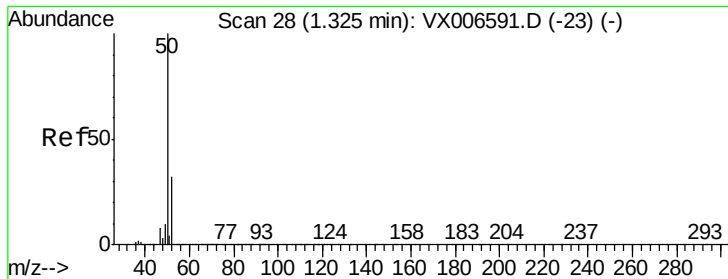
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.995 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 279523

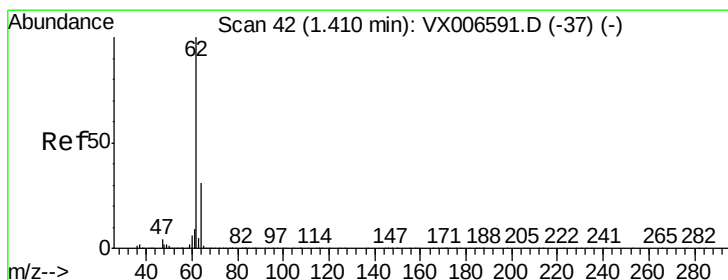
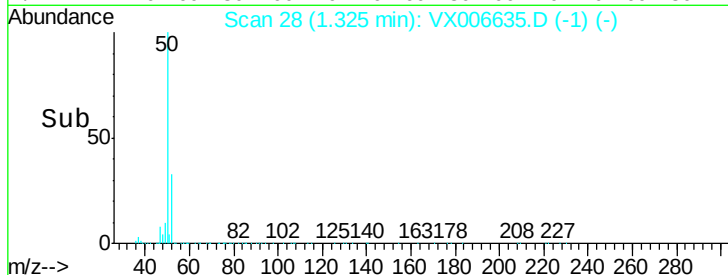
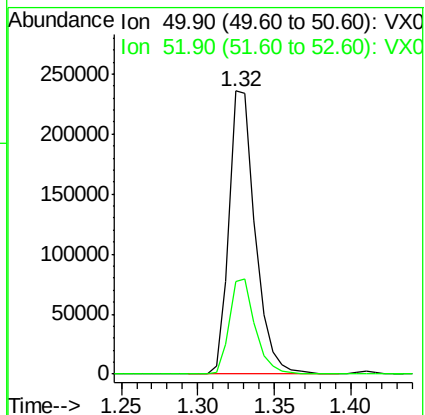
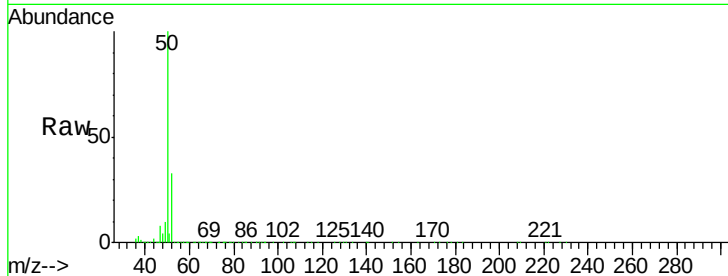
Ion Ratio Lower Upper

50 100

52 32.6 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#4

Vinyl Chloride

Concen: 48.687 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006635.D

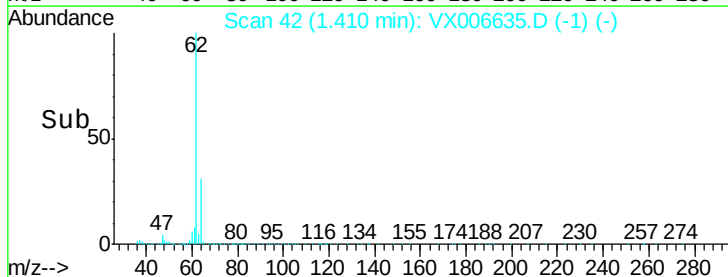
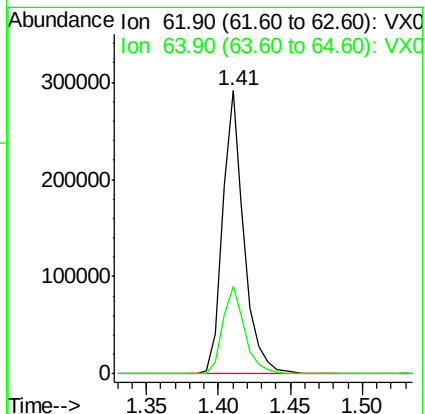
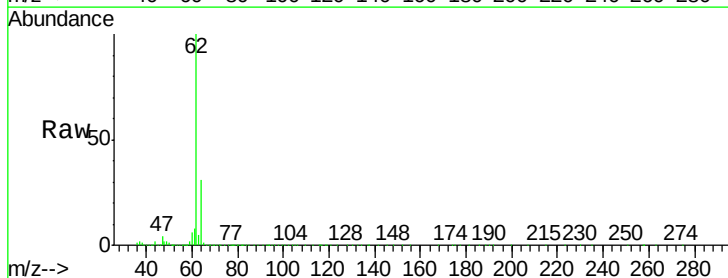
Acq: 19 Dec 2018 14:22

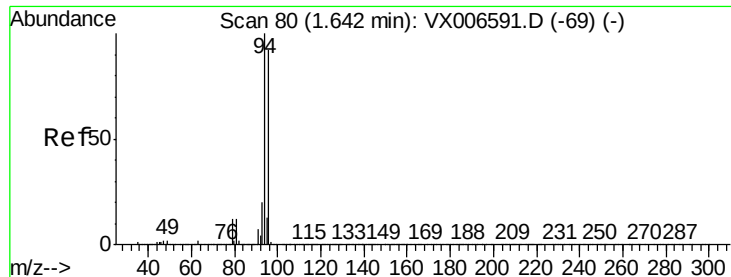
Tgt Ion: 62 Resp: 302447

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





#5

Bromomethane

Concen: 52.376 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 303100

Ion Ratio Lower Upper

94 100

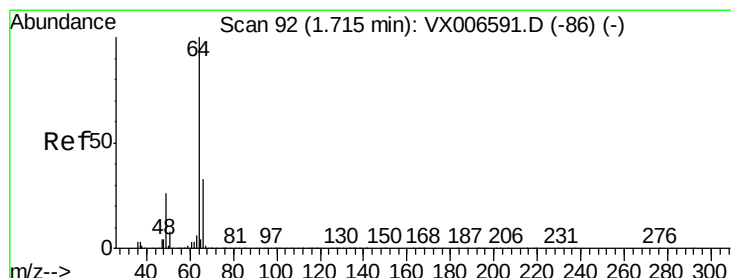
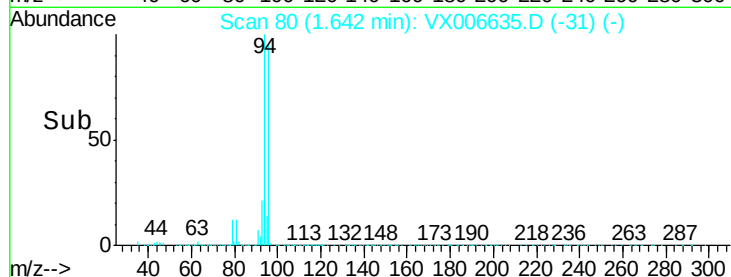
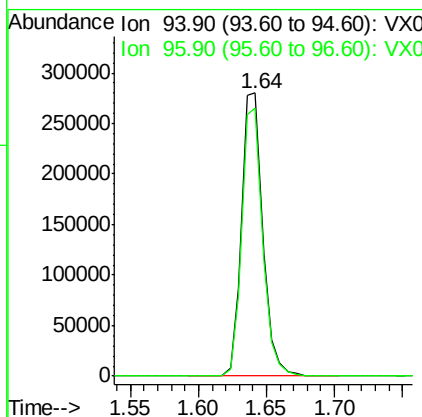
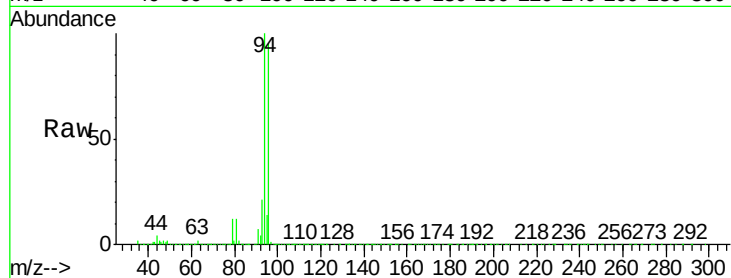
96 94.8 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



#6

Chloroethane

Concen: 45.128 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006635.D

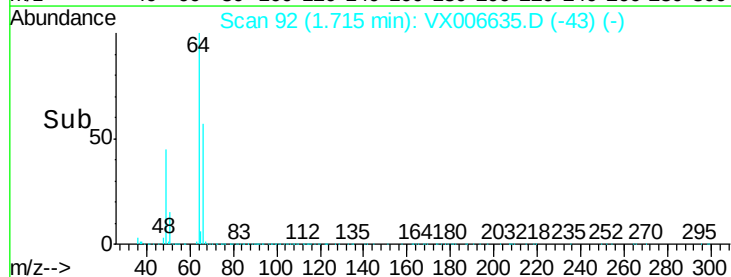
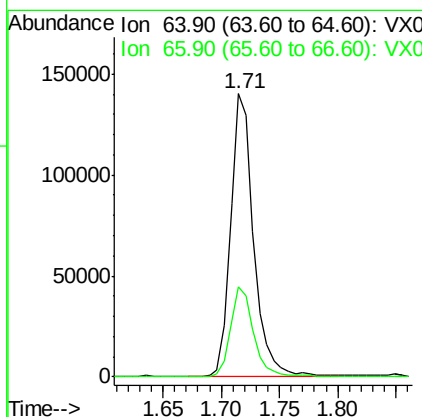
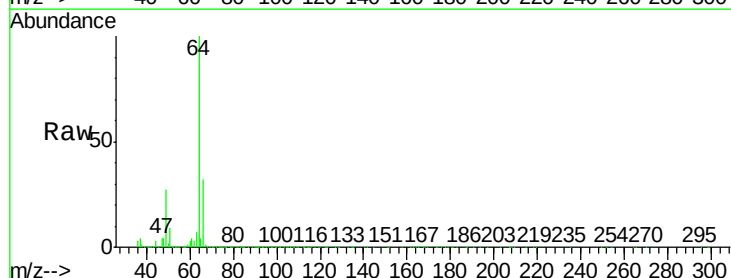
Acq: 19 Dec 2018 14:22

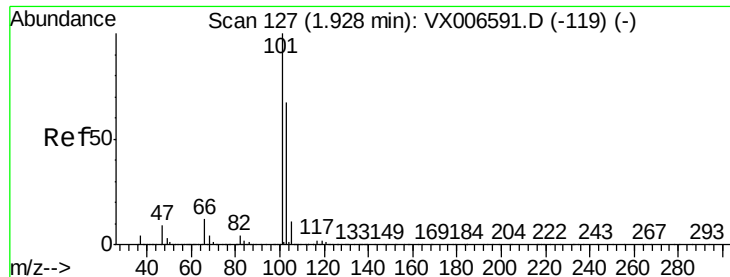
Tgt Ion: 64 Resp: 194112

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6





#7

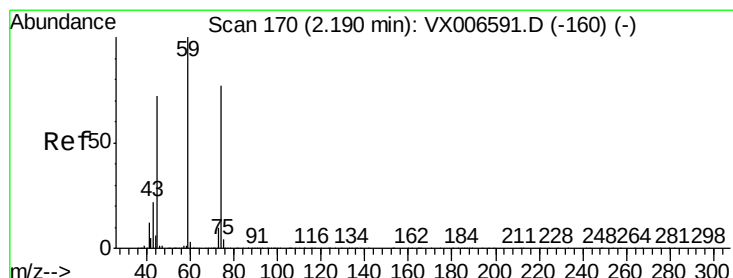
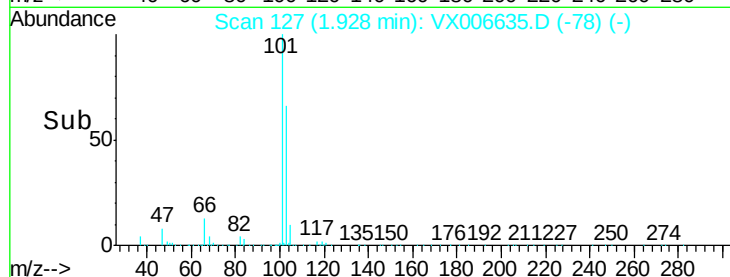
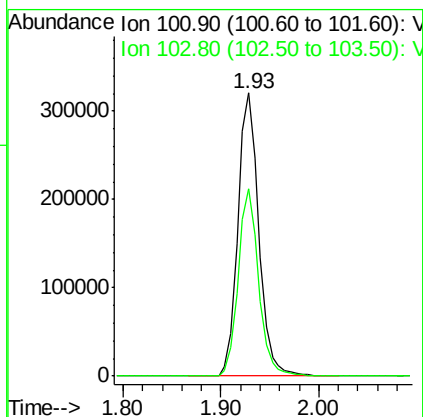
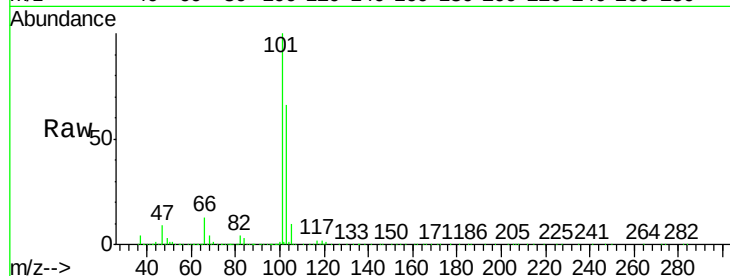
Trichlorofluoromethane
Concen: 49.015 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.2	79.8

Manual Integrations
APPROVED

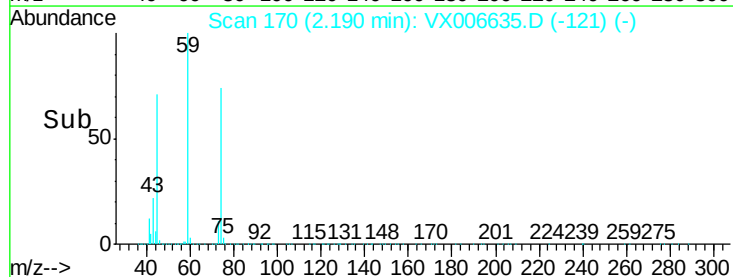
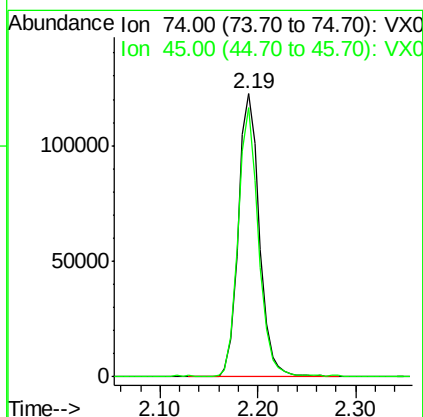
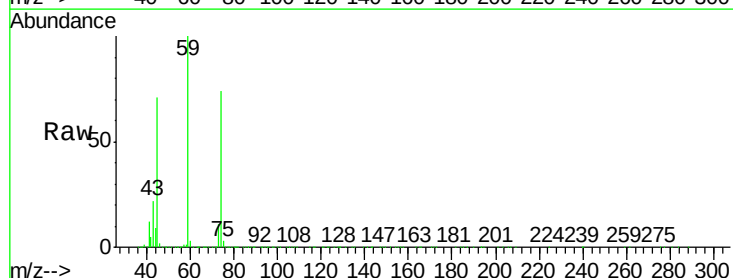
MMDadoda
12/20/2018 10:00:18 AM

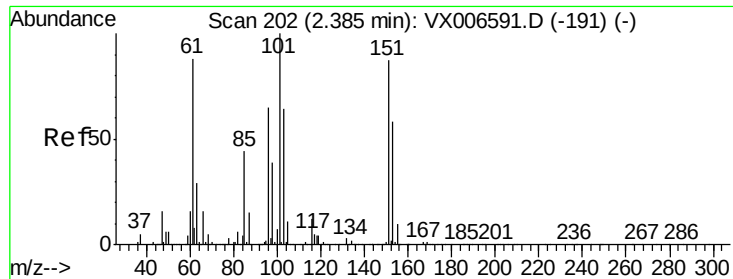


#8

Diethyl Ether
Concen: 47.407 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.424 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

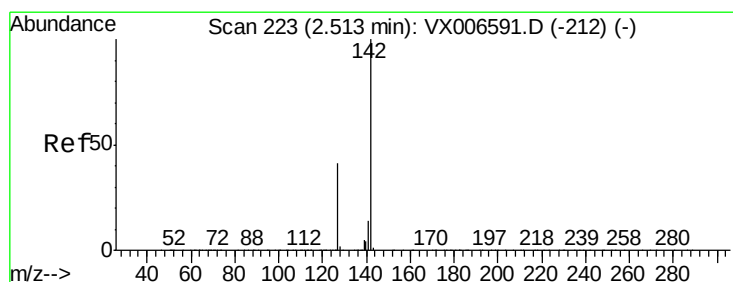
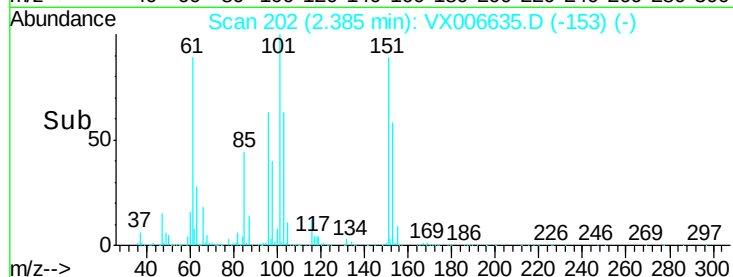
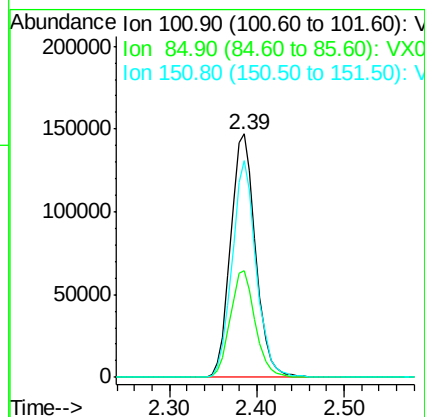
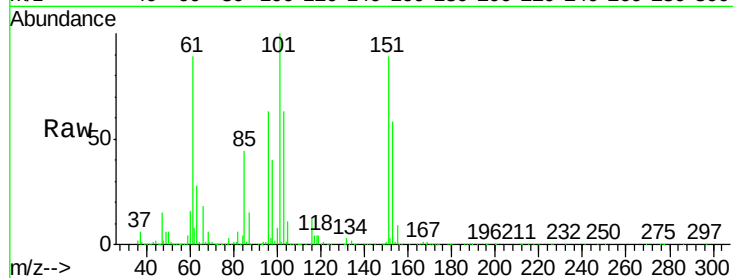
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	292428
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	86.0	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#10

Methyl Iodide

Concen: 52.408 ug/l

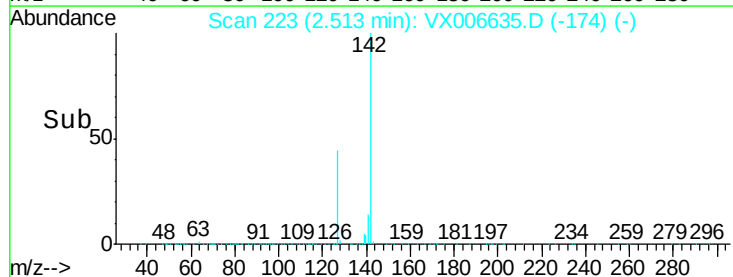
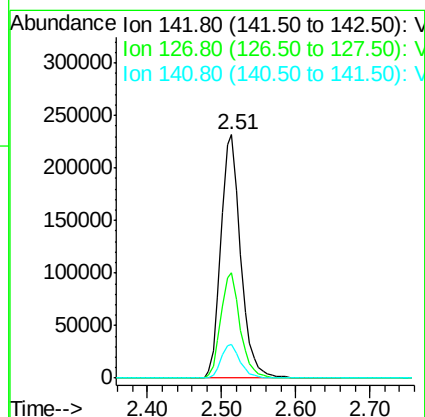
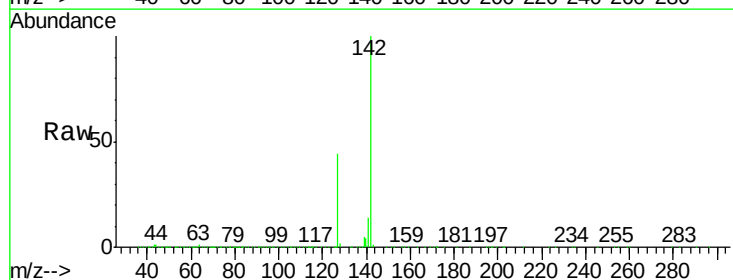
RT: 2.51 min Scan# 223

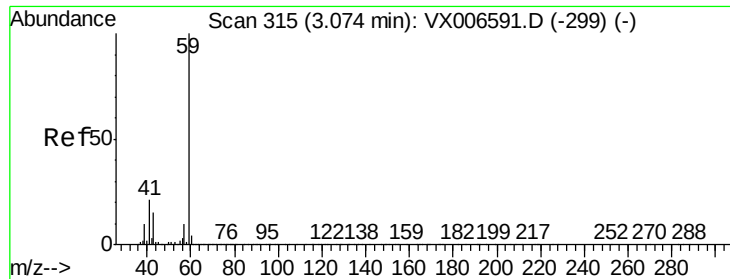
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	142	Resp:	426611
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.9	50.9
141	13.6	11.4	17.0





#11

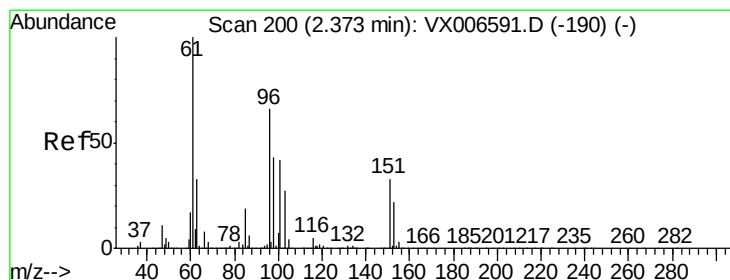
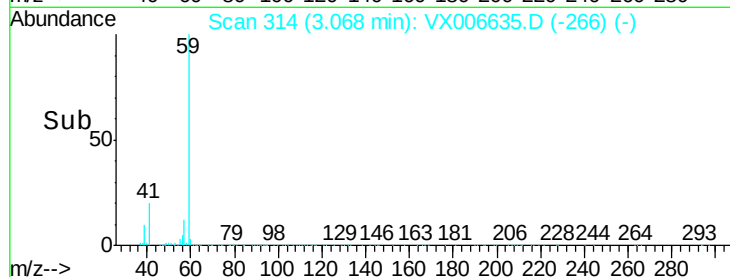
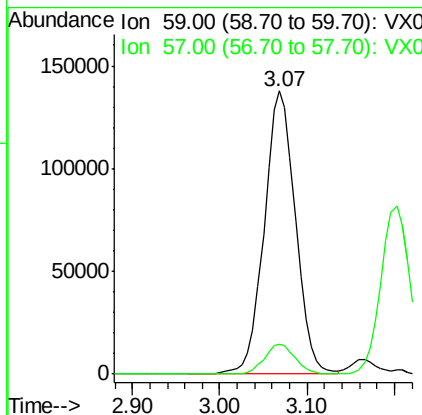
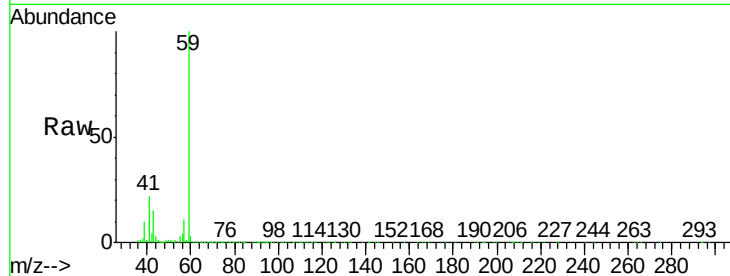
Tert butyl alcohol
Concen: 234.666 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
APPROVED

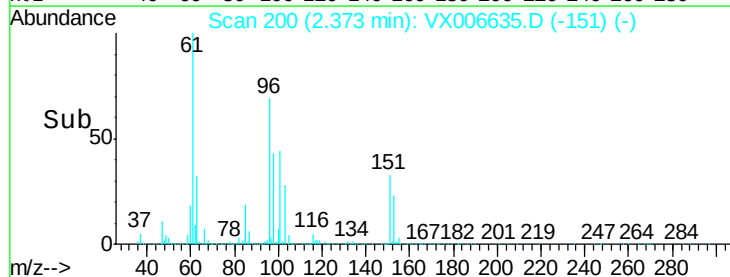
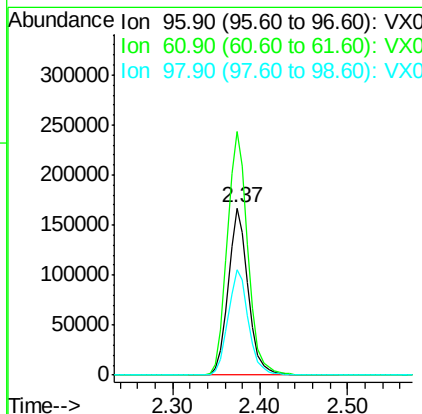
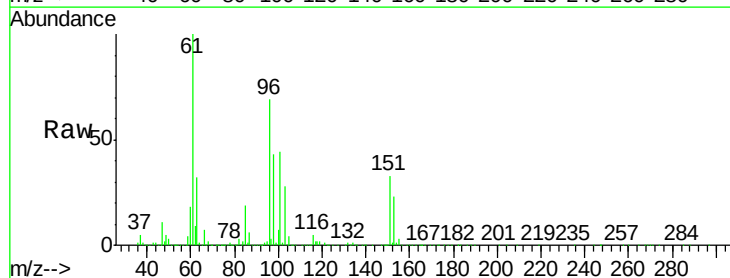
MMDadoda
12/20/2018 10:00:18 AM

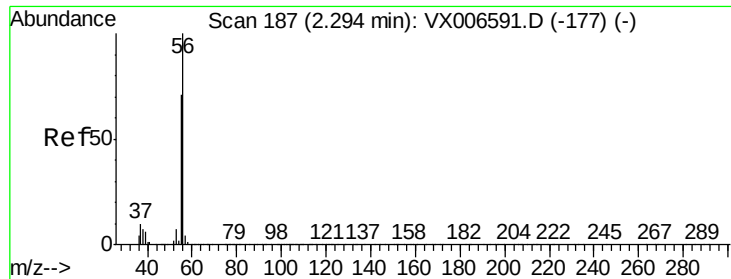


#12

1,1-Dichloroethene
Concen: 48.517 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	121.4	182.2
98	62.6	51.9	77.9





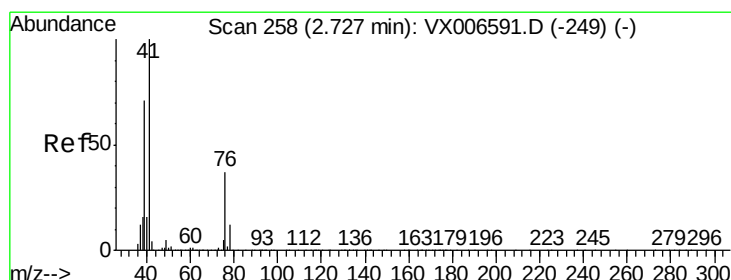
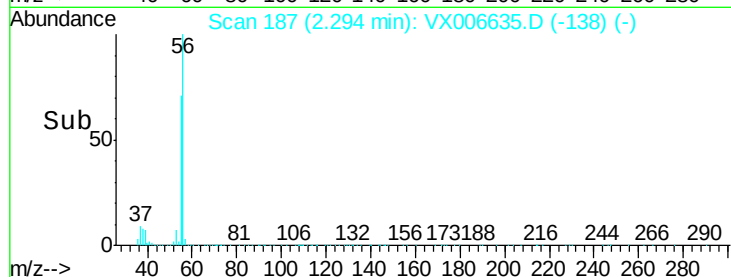
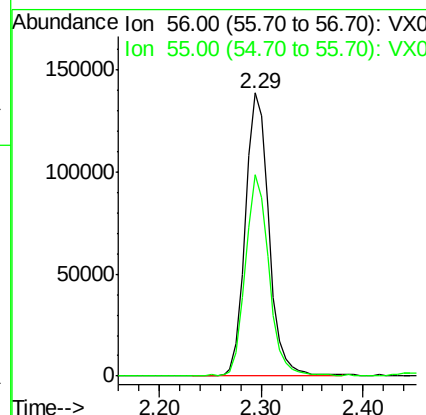
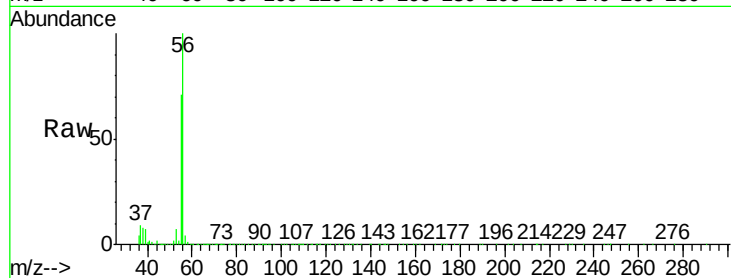
#13
Acrolein
Concen: 225.673 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	58.2	87.4

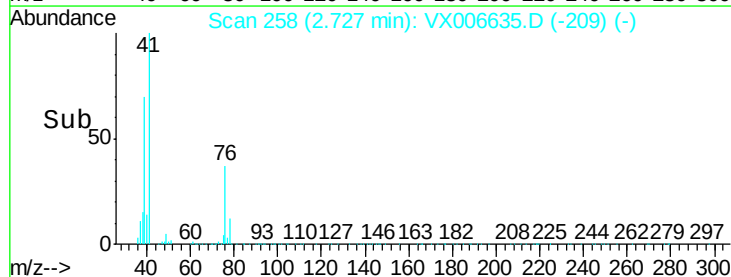
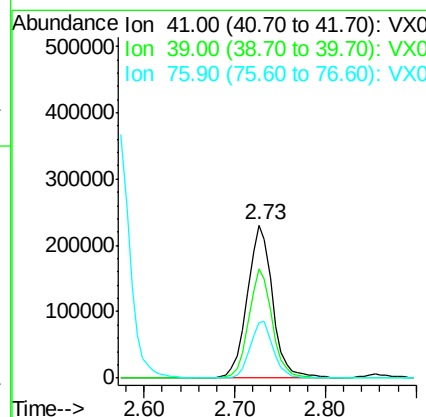
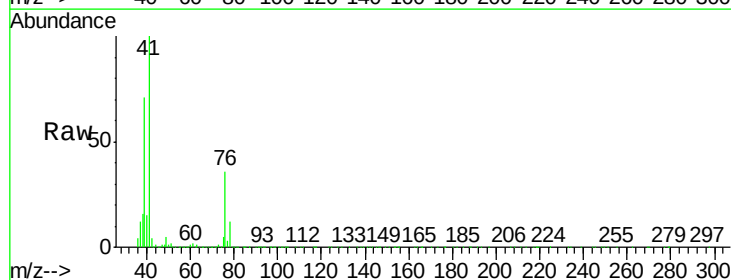
Manual Integrations
APPROVED

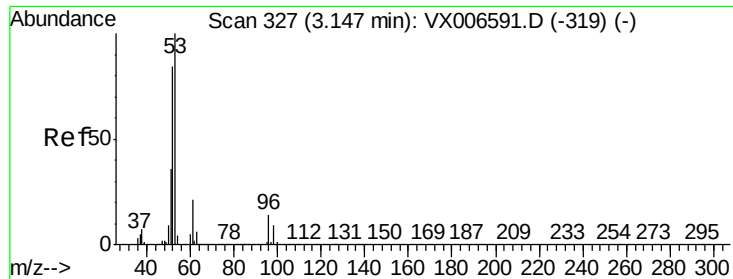
MMDadoda
12/20/2018 10:00:18 AM



#14
Allyl chloride
Concen: 48.806 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.6	80.4
76	33.7	27.4	41.2





#15

Acrylonitrile

Concen: 244.941 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

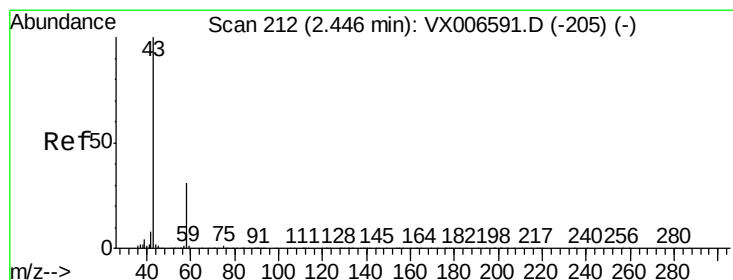
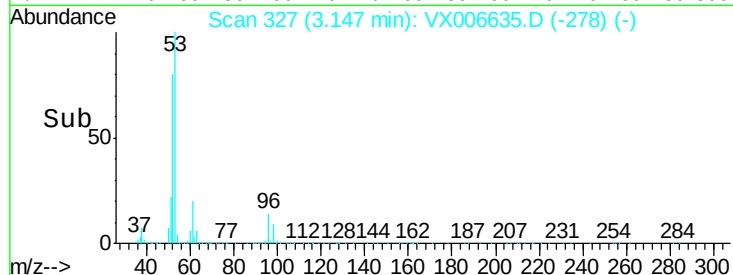
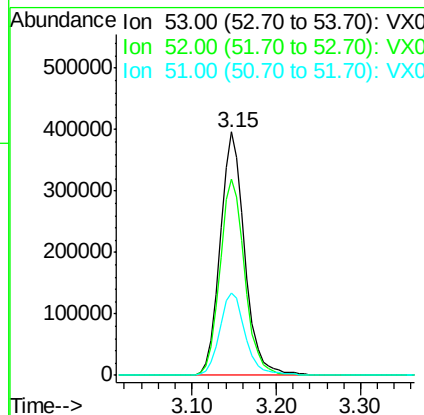
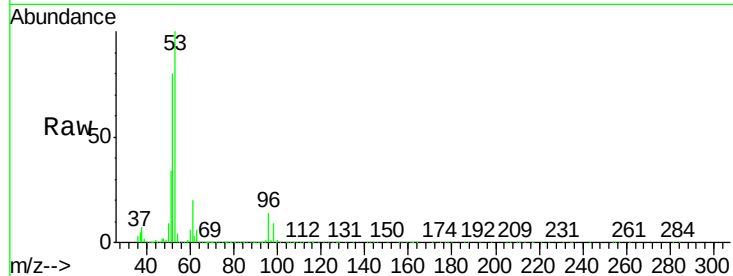
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	789426
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.0	99.0
51	35.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#16

Acetone

Concen: 249.355 ug/l

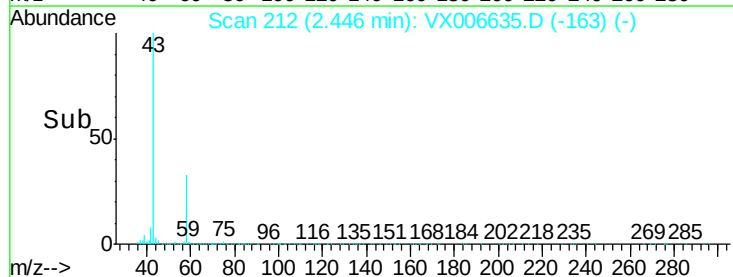
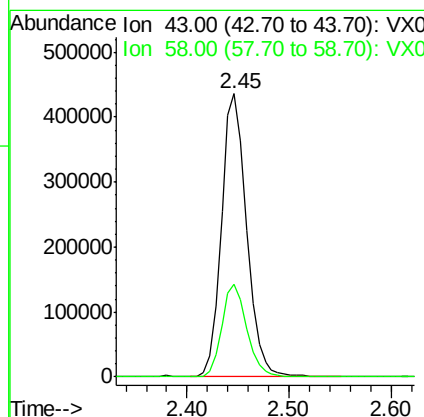
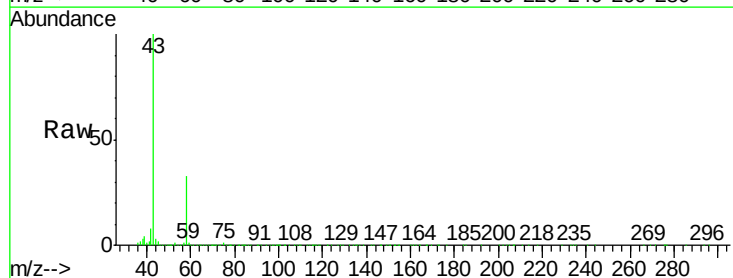
RT: 2.45 min Scan# 212

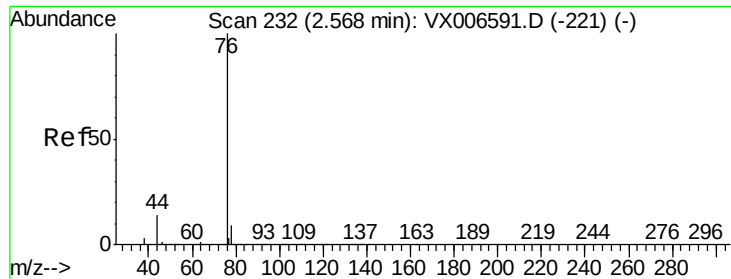
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	43	Resp:	745131
Ion Ratio		Lower	Upper
43	100		
58	32.8	25.0	37.6





#17

Carbon Disulfide

Concen: 45.520 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 649544

Ion Ratio Lower Upper

76 100

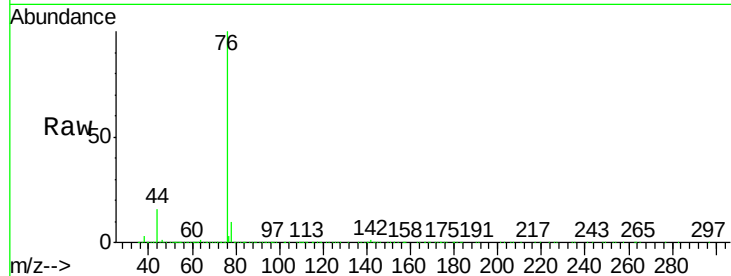
78 9.6 7.0 10.6

Manual Integrations

APPROVED

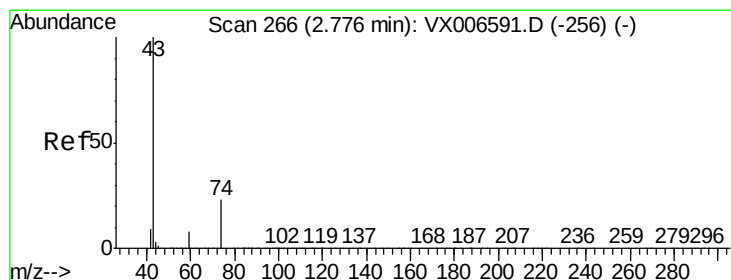
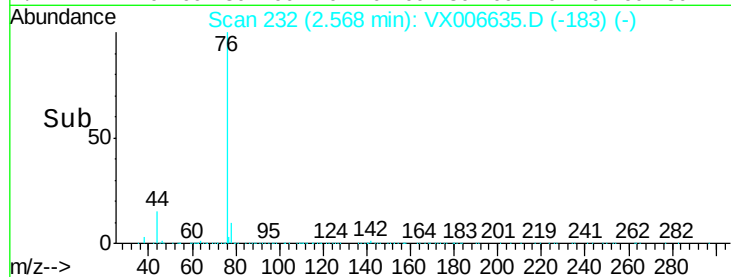
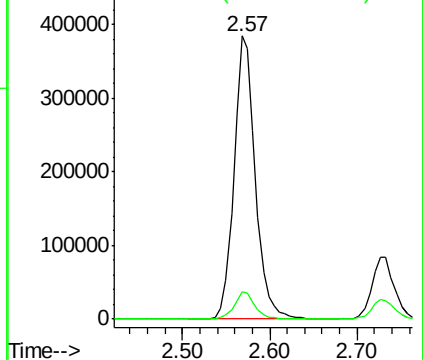
MMDadoda

12/20/2018 10:00:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.990 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006635.D

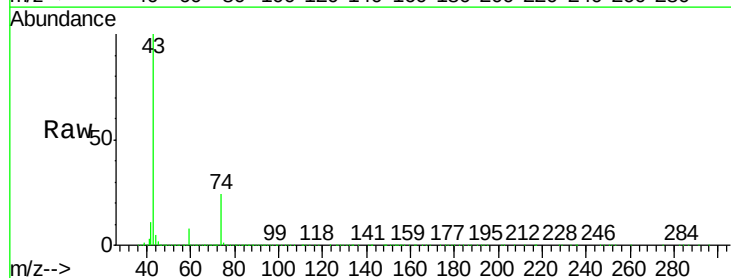
Acq: 19 Dec 2018 14:22

Tgt Ion: 43 Resp: 430471

Ion Ratio Lower Upper

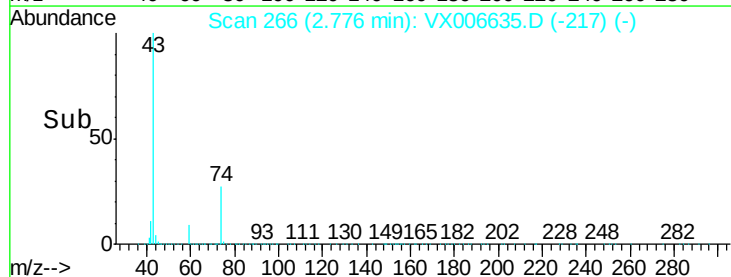
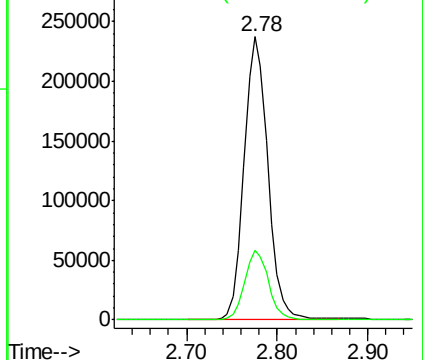
43 100

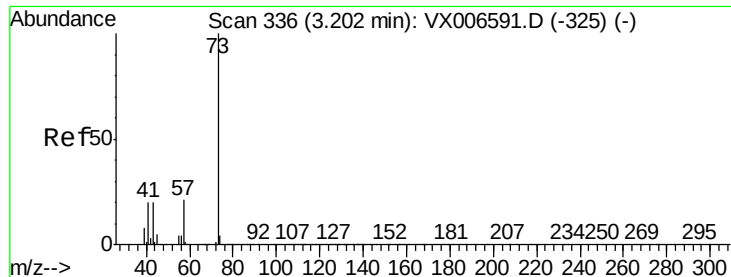
74 25.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





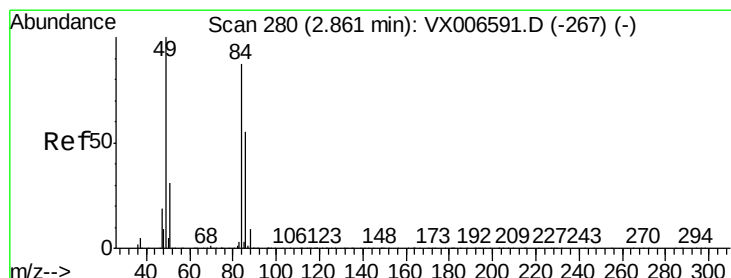
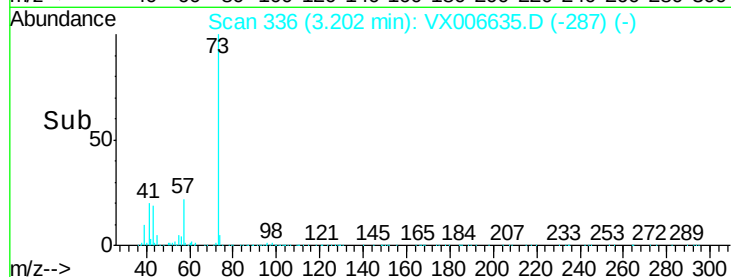
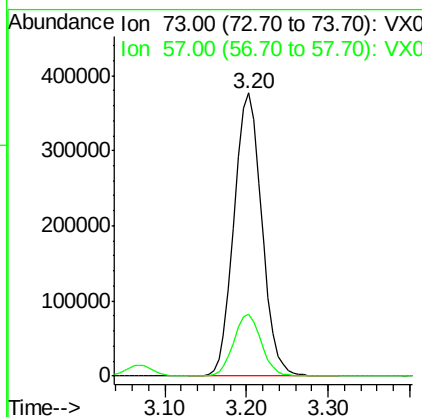
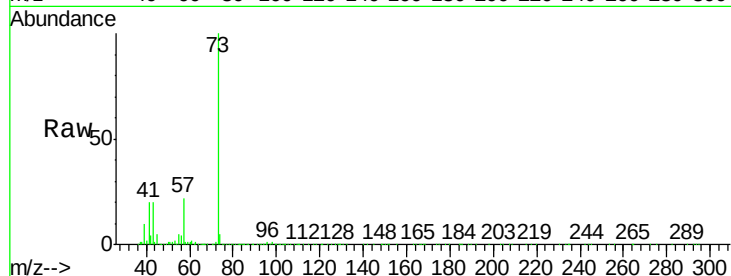
#19
Methyl tert-butyl Ether
Concen: 49.427 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

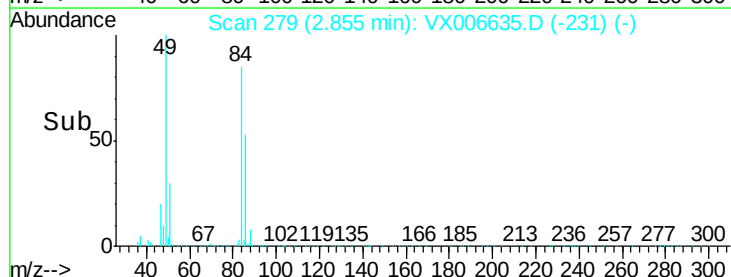
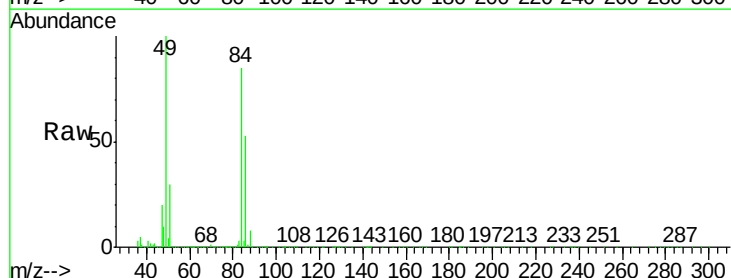
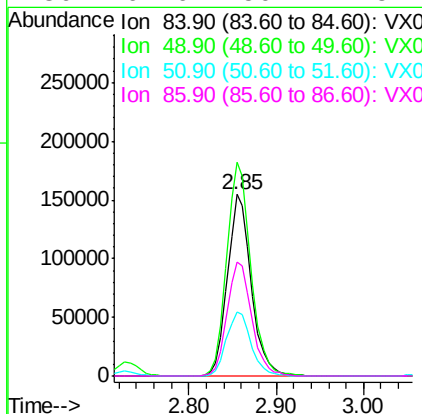
Manual Integrations
APPROVED

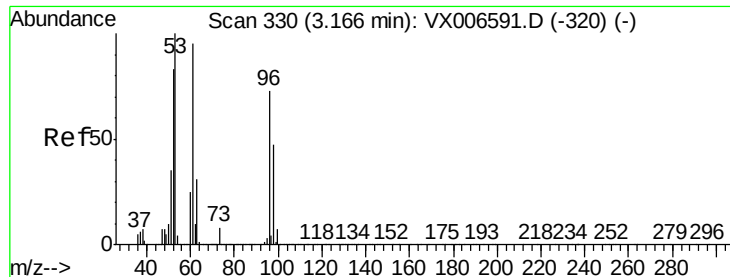
MMDadoda
12/20/2018 10:00:18 AM



#20
Methylene Chloride
Concen: 47.313 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	91.8	137.6
51	35.2	28.5	42.7
86	62.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.730 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

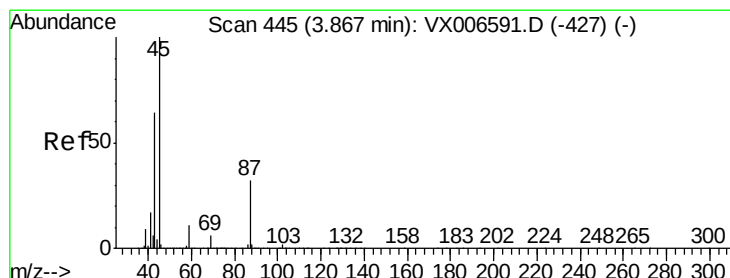
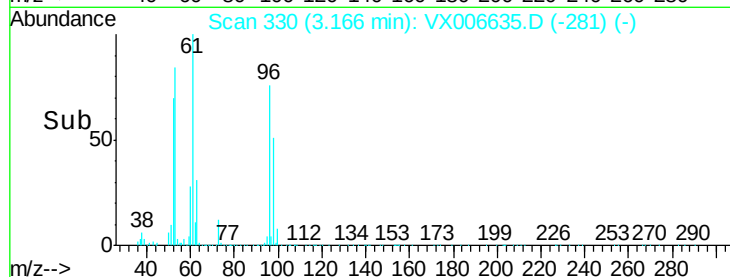
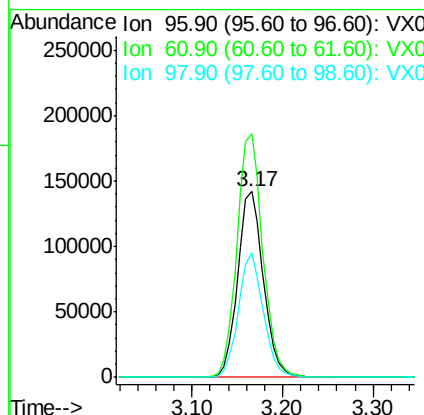
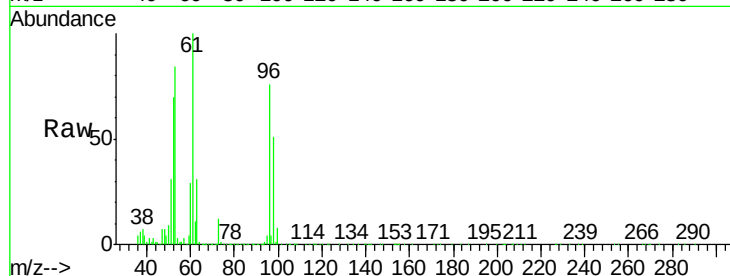
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	279183
Ion Ratio	Lower	Upper	
96	100		
61	131.1	103.7	155.5
98	66.9	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#22

Diisopropyl ether

Concen: 50.707 ug/l

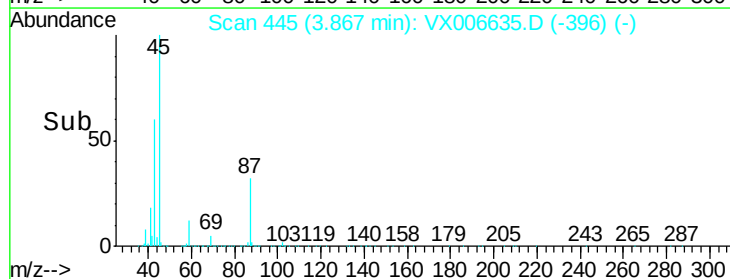
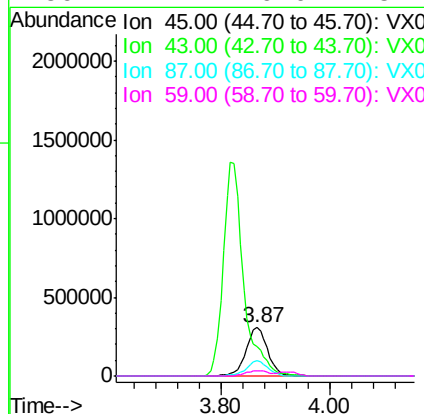
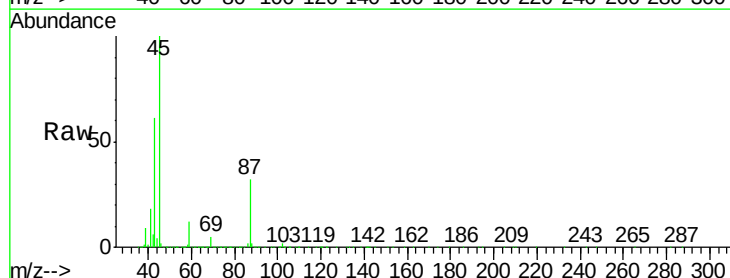
RT: 3.87 min Scan# 445

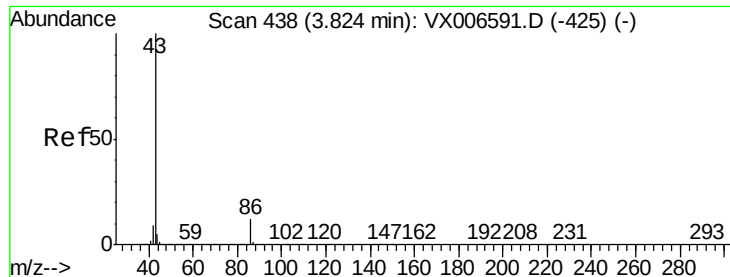
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	45	Resp:	841944
Ion Ratio	Lower	Upper	
45	100		
43	60.4	51.2	76.8
87	32.1	25.8	38.6
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 260.033 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3531694

Ion Ratio Lower Upper

43 100

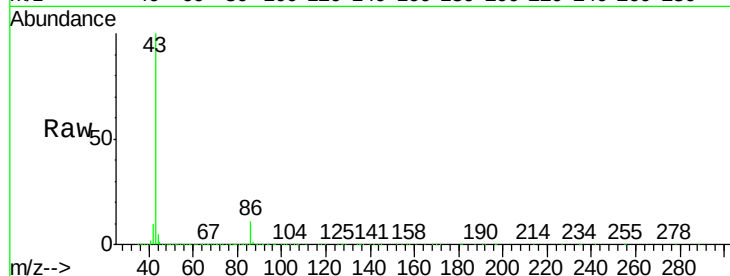
86 10.6 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

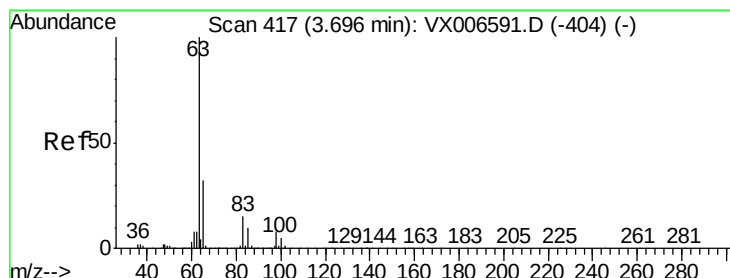
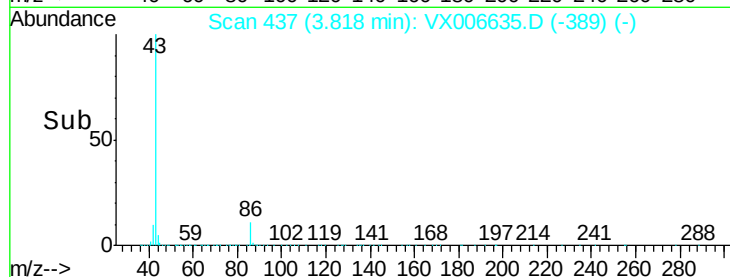
1000000

500000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.292 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

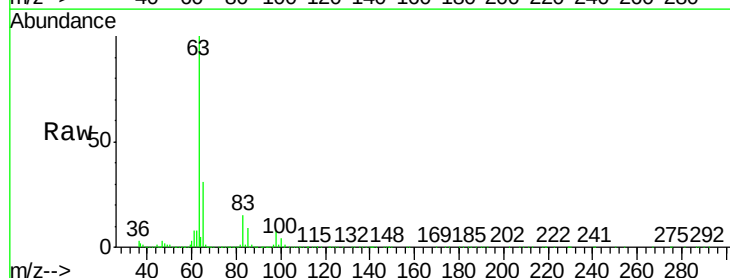
Tgt Ion: 63 Resp: 488582

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

250000

200000

150000

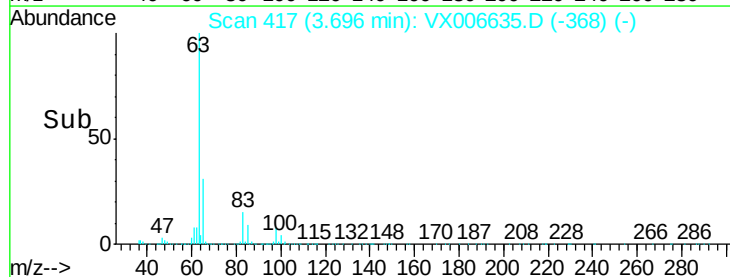
100000

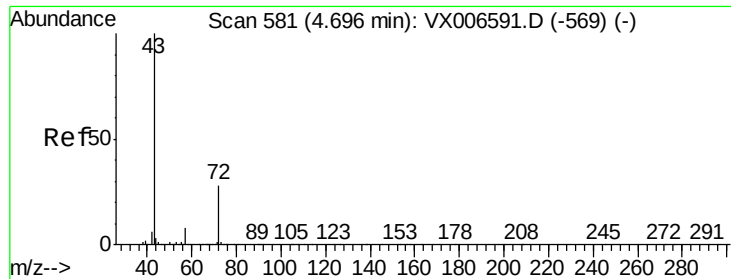
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 248.795 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1045765

Ion Ratio Lower Upper

43 100

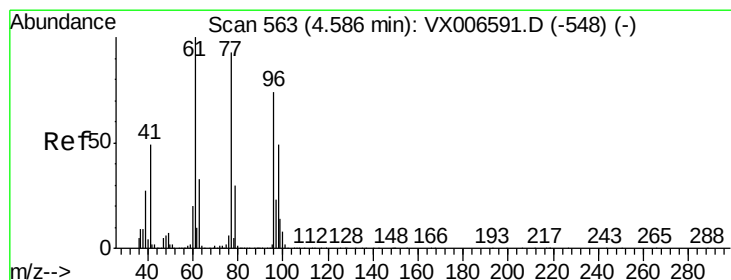
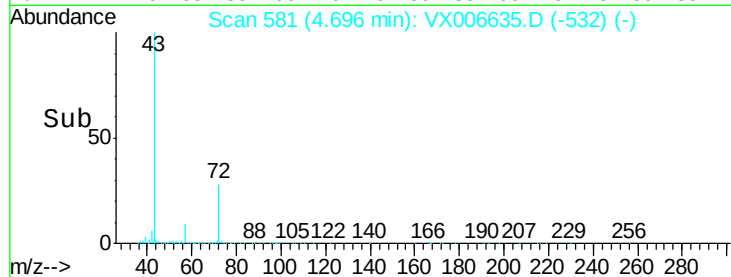
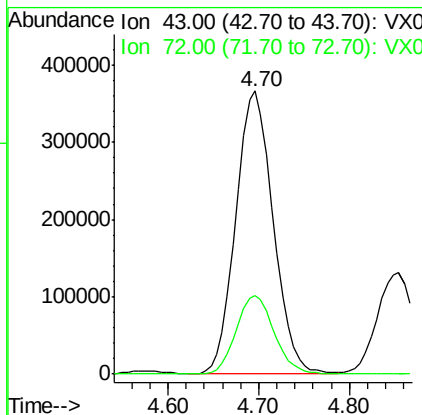
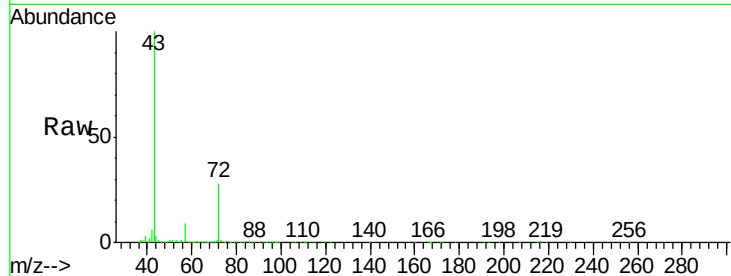
72 27.7 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



#26

2,2-Dichloropropane

Concen: 49.215 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006635.D

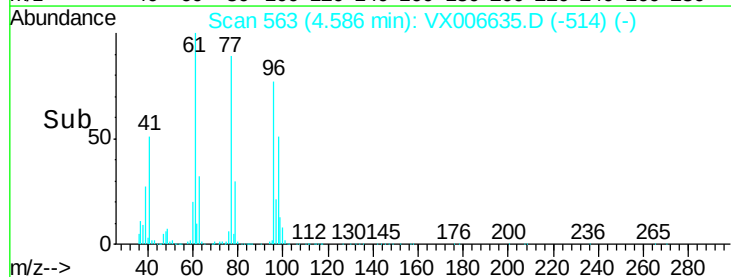
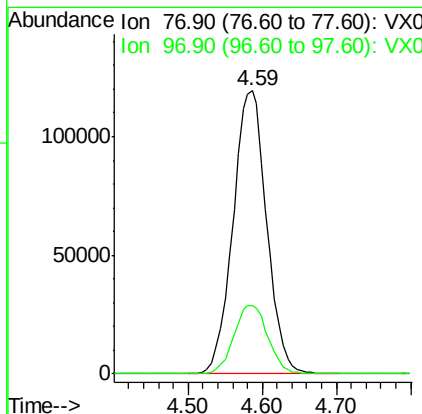
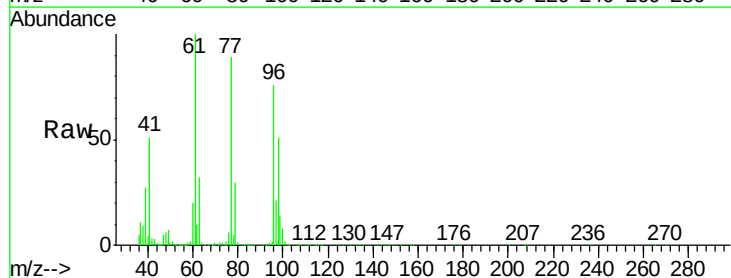
Acq: 19 Dec 2018 14:22

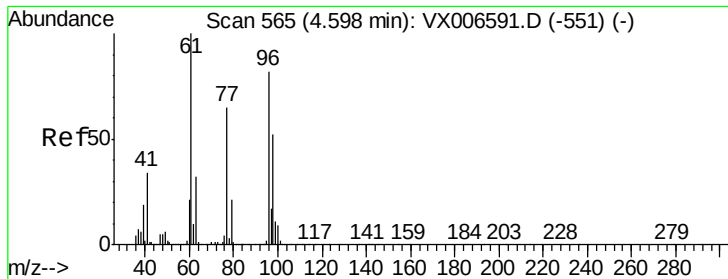
Tgt Ion: 77 Resp: 376815

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.4





#27

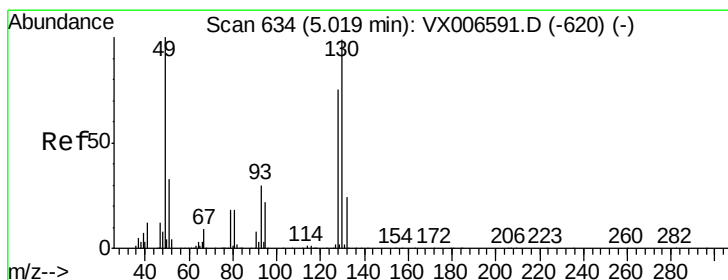
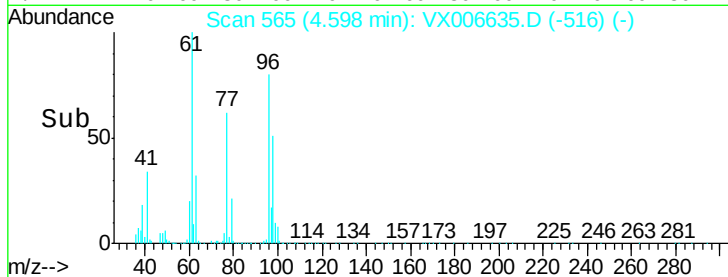
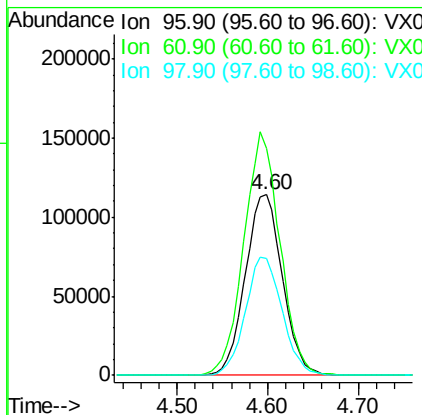
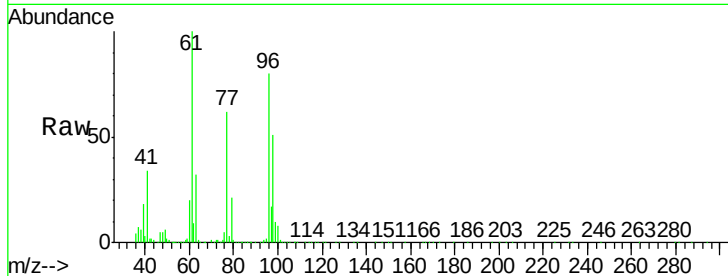
cis-1,2-Dichloroethene
Concen: 49.013 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	323077		
61	131.1	0.0	258.6	
98	65.0	0.0	132.0	

Manual Integrations
APPROVED

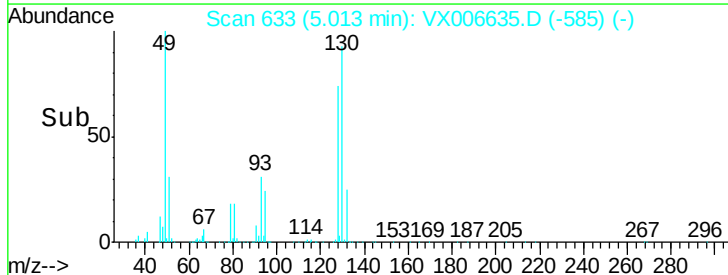
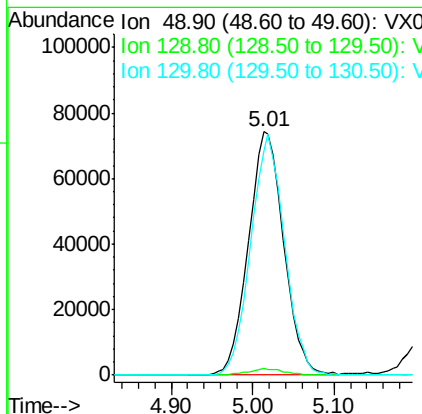
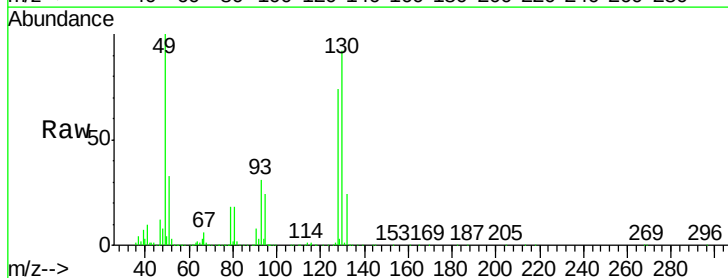
MMDadoda
12/20/2018 10:00:18 AM

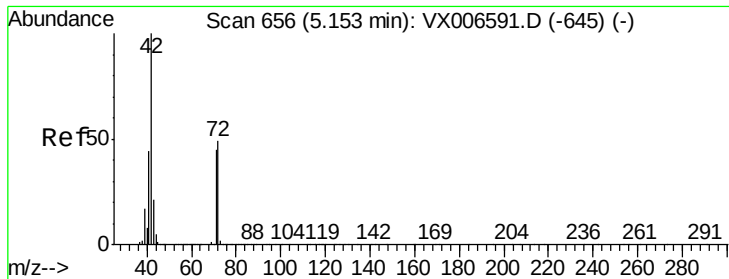


#28

Bromochloromethane
Concen: 53.947 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	224796		
129	2.7	0.0	5.4	
130	94.5	77.7	116.5	





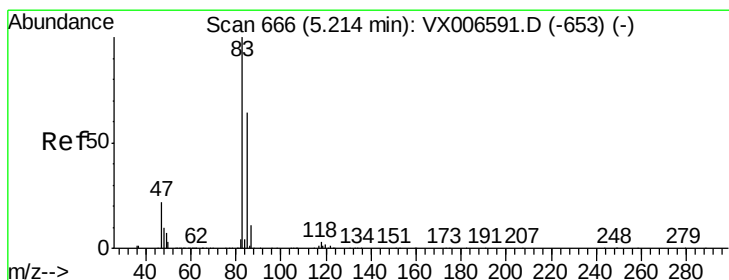
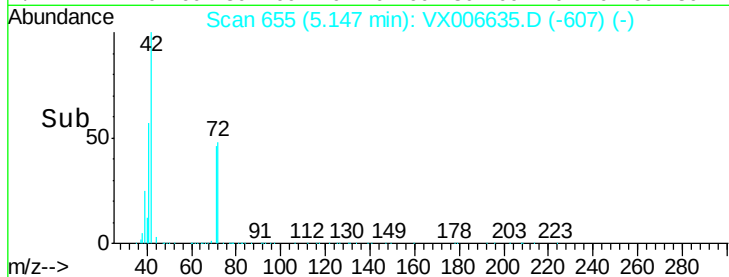
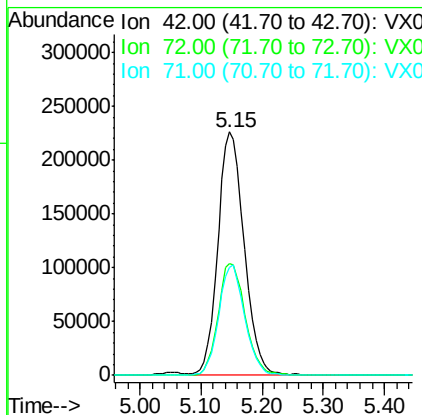
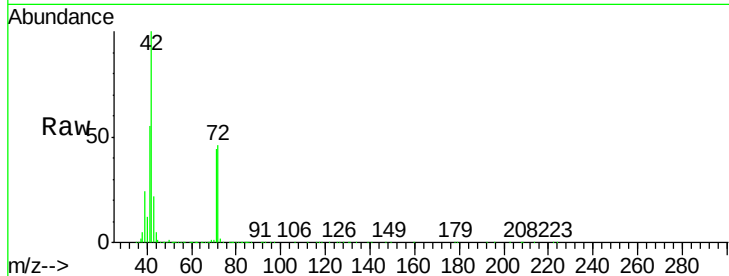
#29
Tetrahydrofuran
Concen: 244.128 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.9	58.3
71	44.8	36.2	54.4

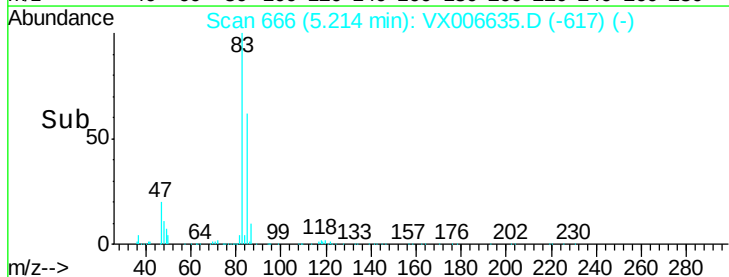
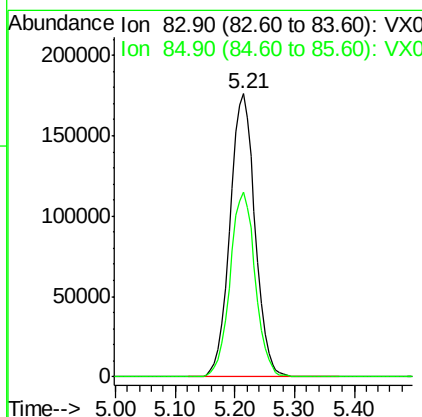
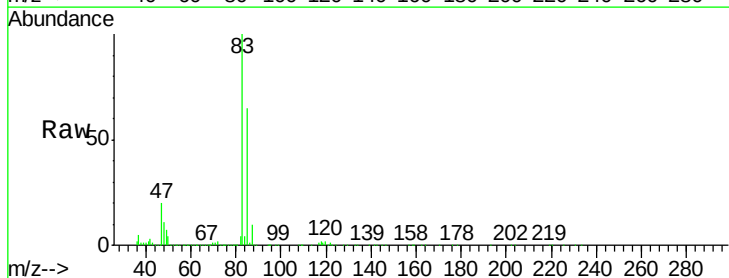
Manual Integrations
APPROVED

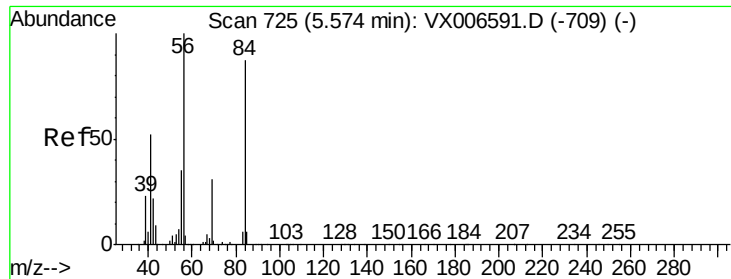
MMDadoda
12/20/2018 10:00:18 AM



#30
Chloroform
Concen: 50.026 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8





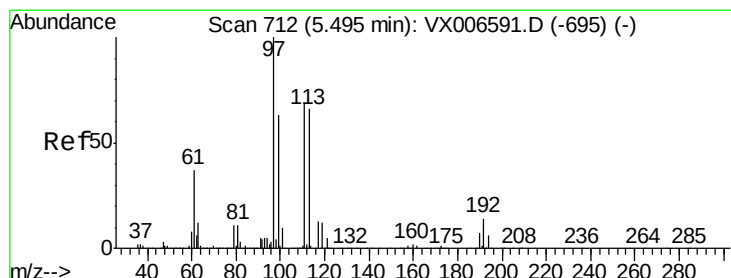
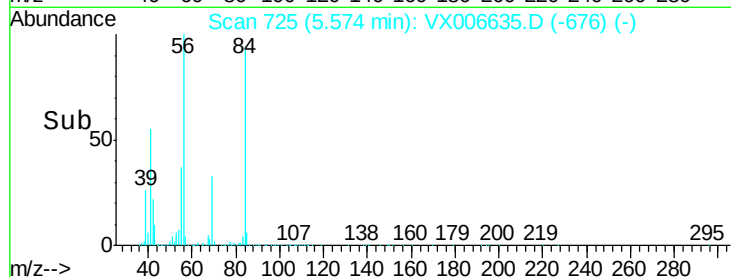
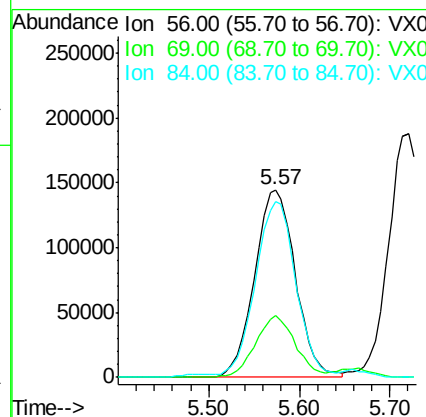
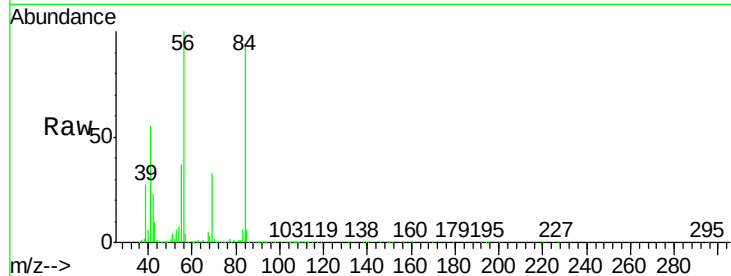
#31
Cyclohexane
Concen: 49.878 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	24.4	36.6
84	92.5	70.0	105.0

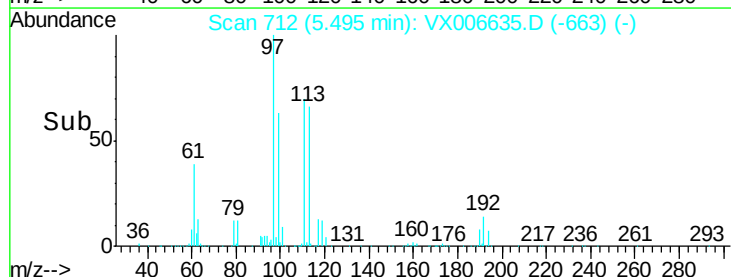
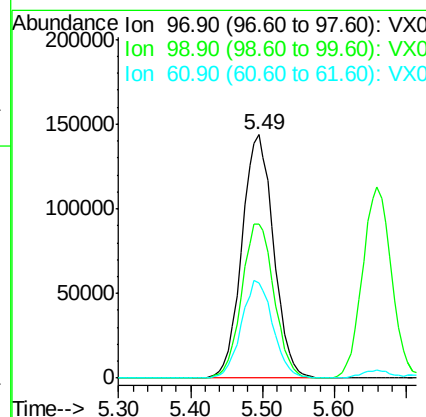
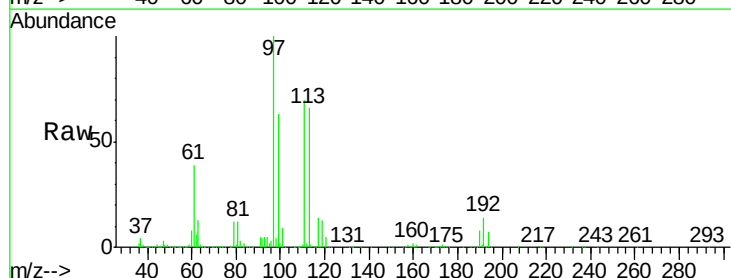
Manual Integrations
APPROVED

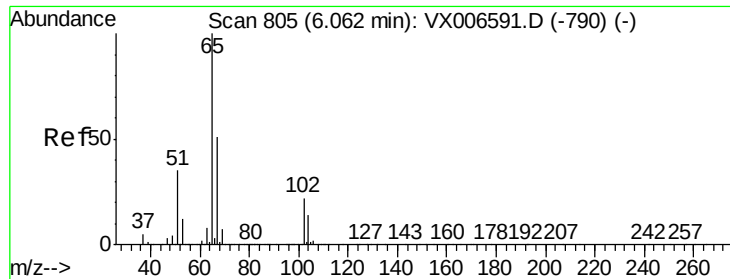
MMDadoda
12/20/2018 10:00:18 AM



#32
1,1,1-Trichloroethane
Concen: 50.534 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	39.9	31.3	46.9





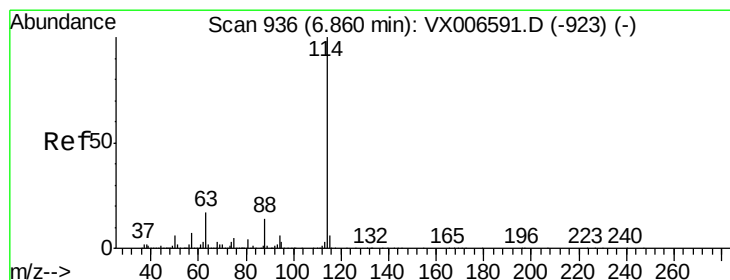
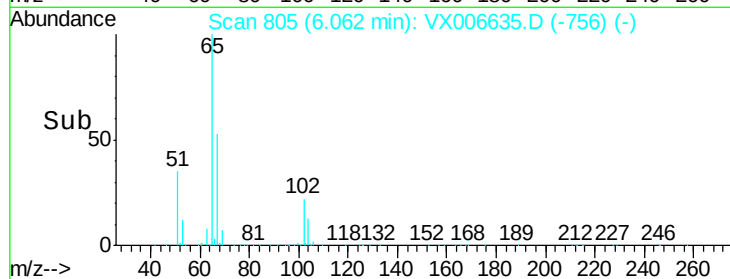
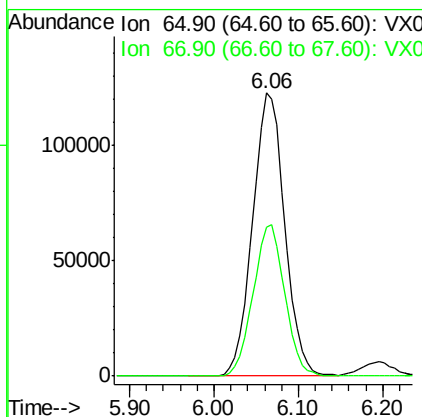
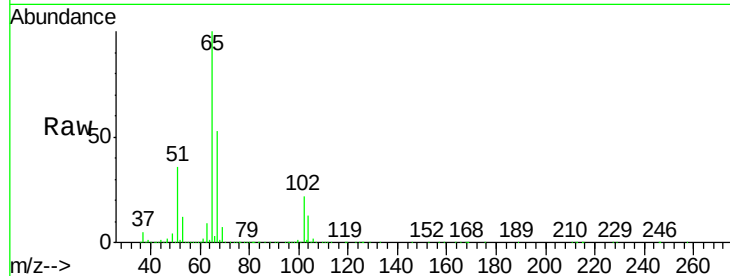
#33
 1,2-Dichloroethane-d4
 Concen: 48.881 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	317929		
67	52.6	0.0	105.0	

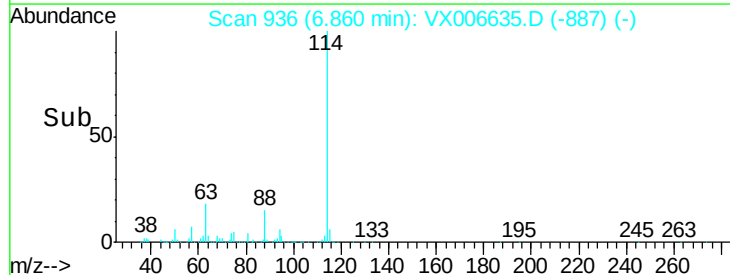
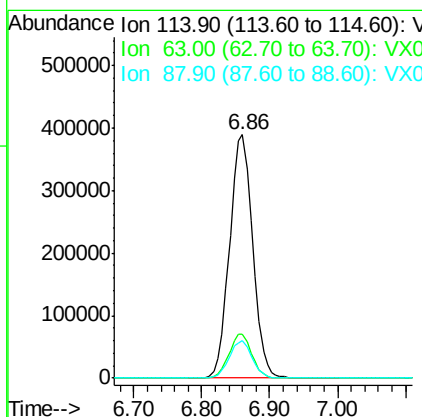
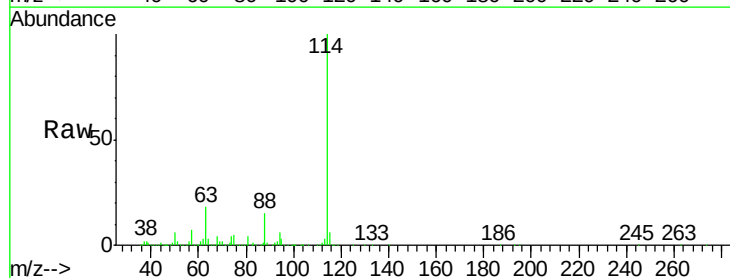
Manual Integrations
 APPROVED

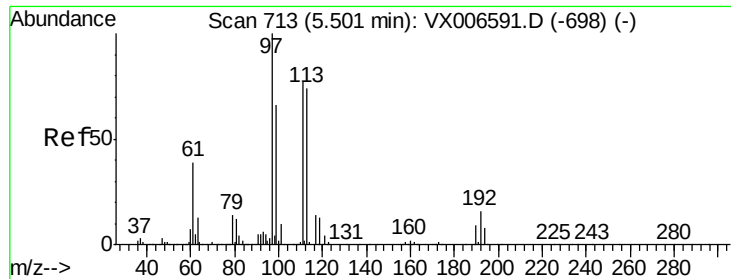
MMDadoda
 12/20/2018 10:00:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	917487		
63	17.8	0.0	34.8	
88	15.5	0.0	28.8	





#35

Dibromofluoromethane

Concen: 49.141 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

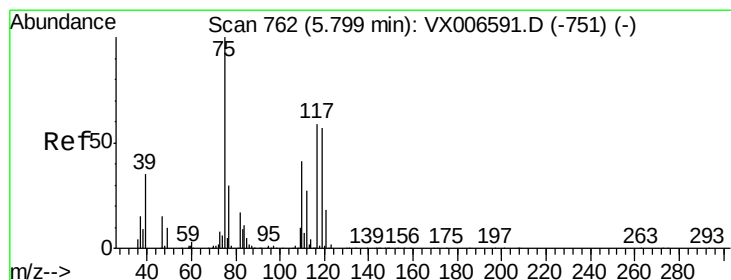
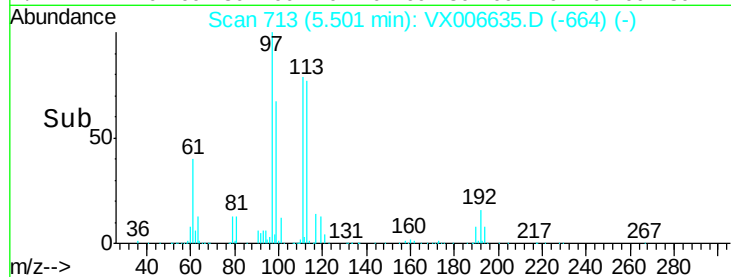
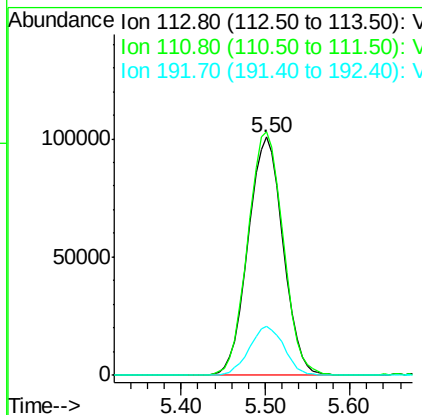
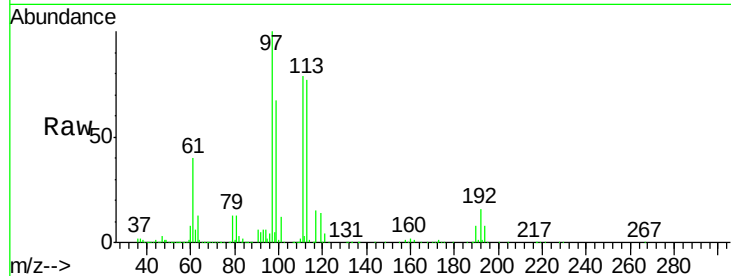
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	285114
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.6	122.4
192	20.4	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#36

1,1-Dichloropropene

Concen: 50.614 ug/l

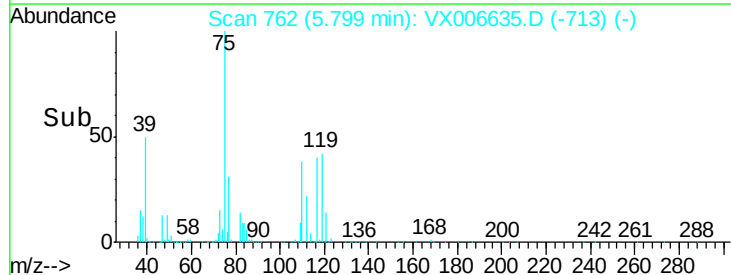
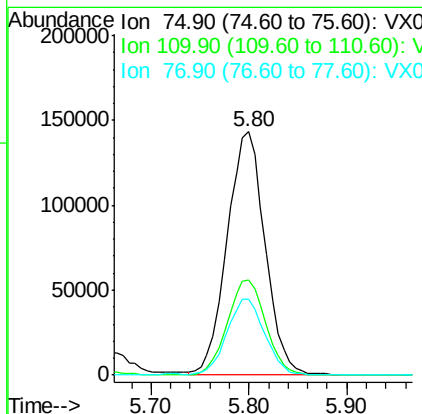
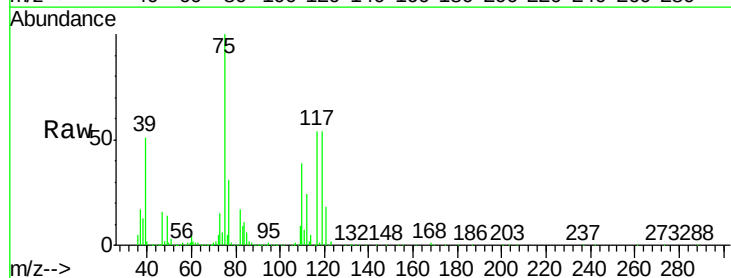
RT: 5.80 min Scan# 762

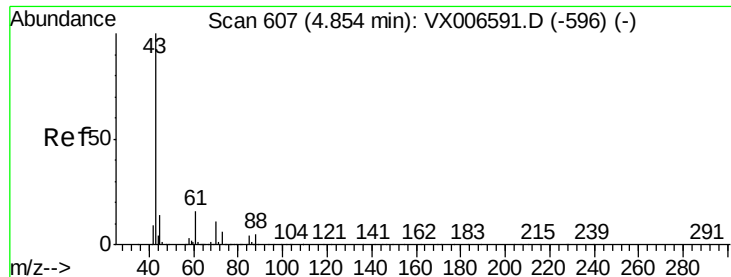
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	75	Resp:	384607
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.2	60.5
77	31.2	24.8	37.2





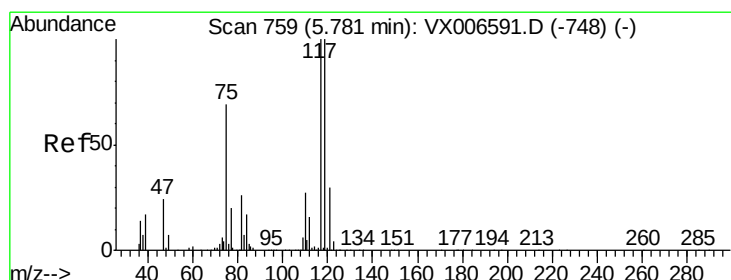
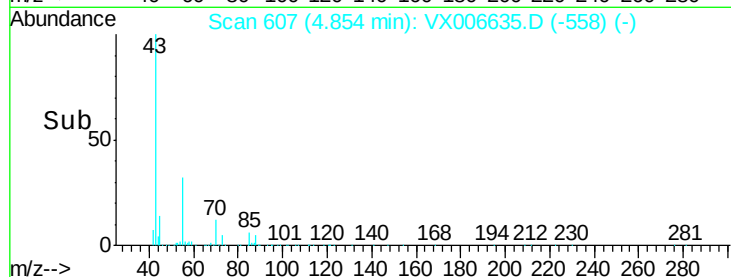
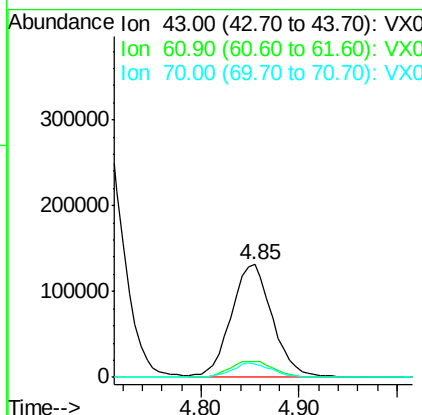
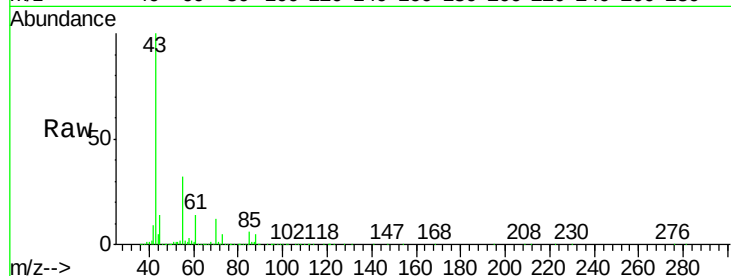
#37
Ethyl Acetate
Concen: 48.082 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	380288
Ion Ratio	Lower	Upper	
43	100		
61	15.3	11.9	17.9
70	12.5	9.7	14.5

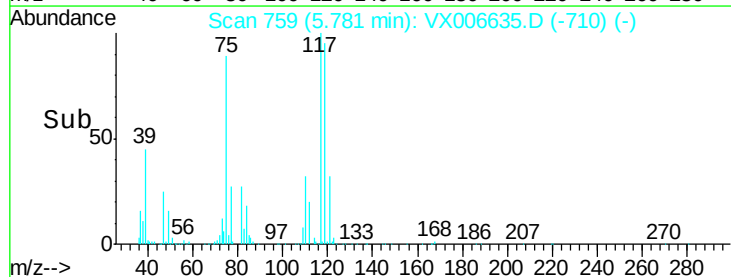
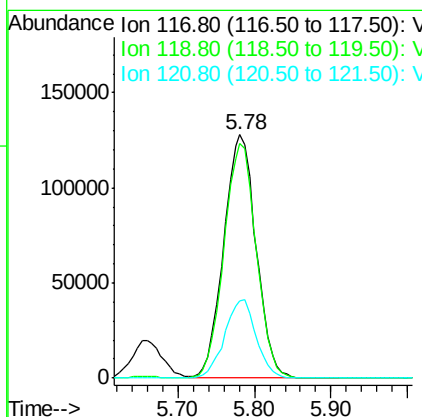
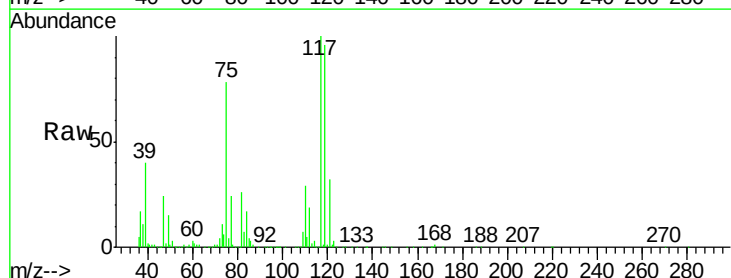
Manual Integrations
APPROVED

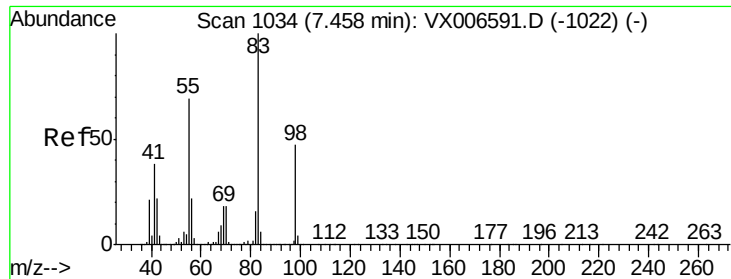
MMDadoda
12/20/2018 10:00:18 AM



#38
Carbon Tetrachloride
Concen: 50.539 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	117	Resp	373226
Ion Ratio	Lower	Upper	
117	100		
119	96.4	79.4	119.2
121	31.6	24.0	36.0





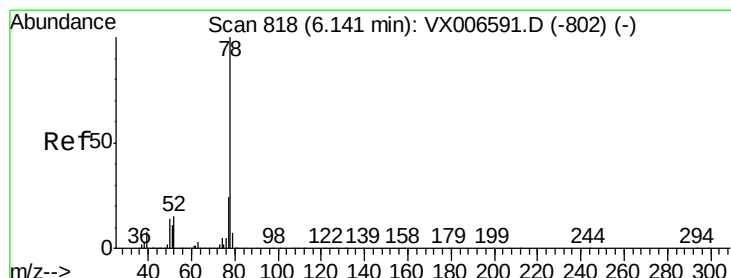
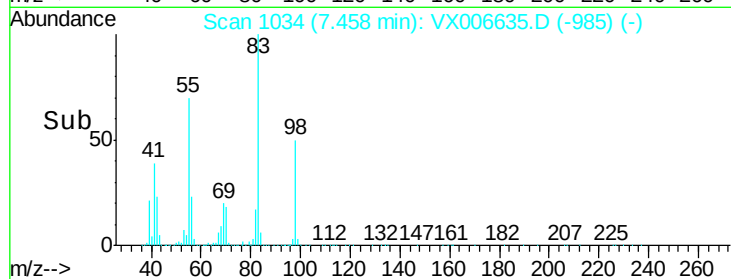
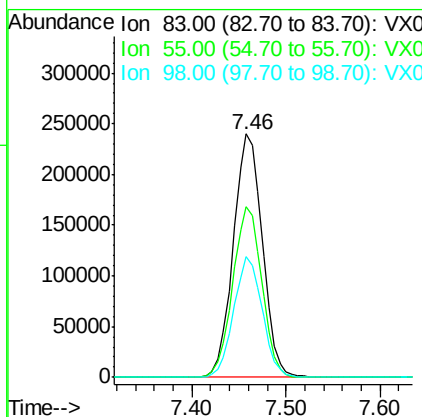
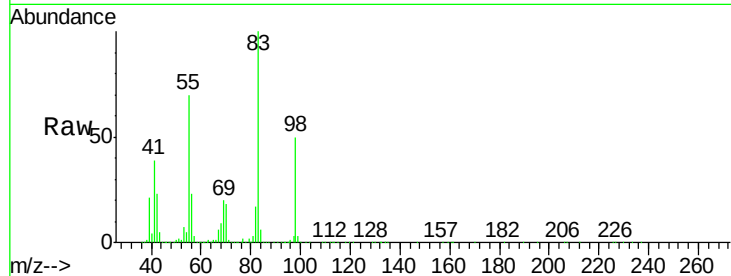
#39
Methylvlcyclohexane
Concen: 51.541 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	54.9	82.3
98	49.6	37.9	56.9

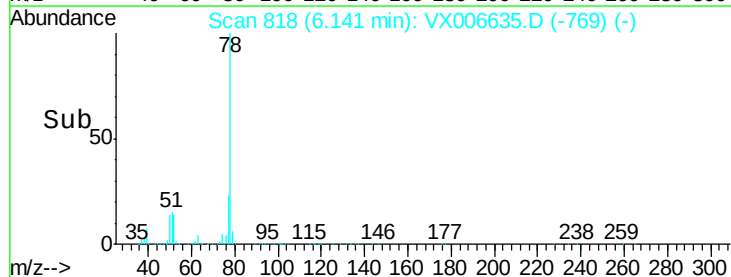
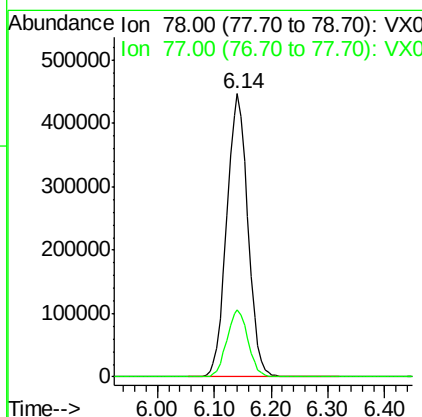
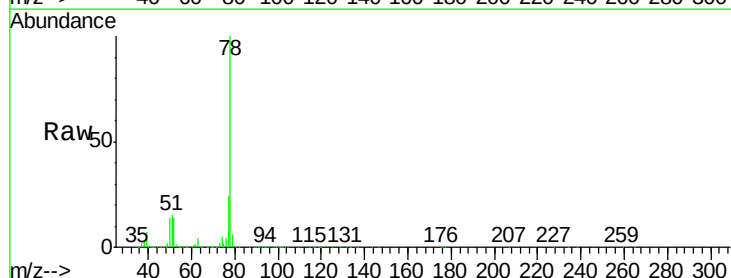
Manual Integrations
APPROVED

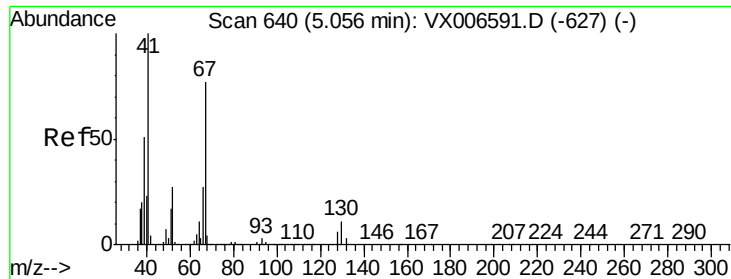
MMDadoda
12/20/2018 10:00:18 AM



#40
Benzene
Concen: 50.138 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





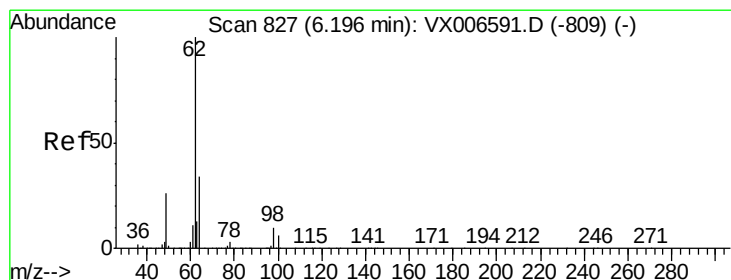
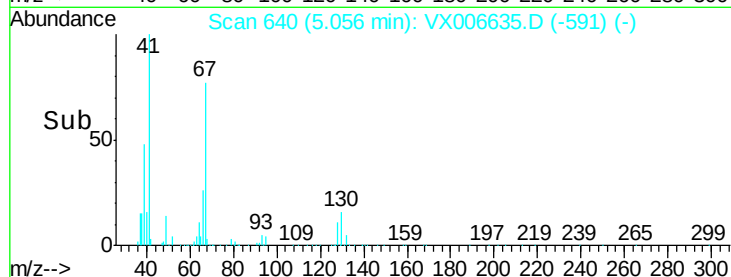
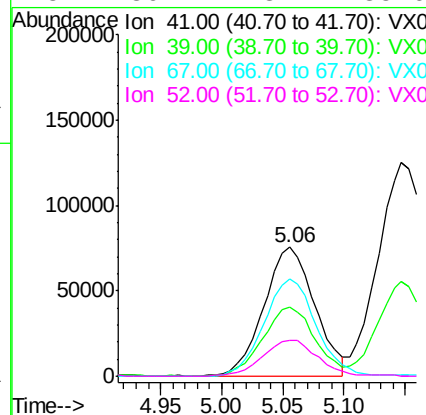
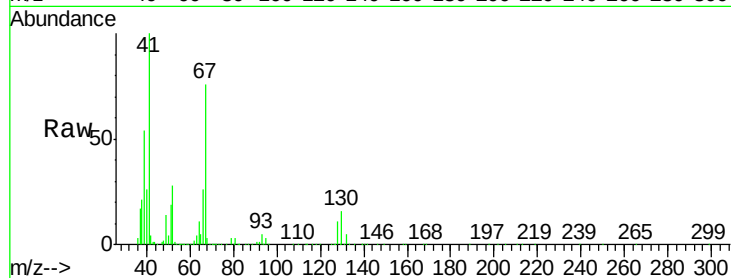
#41
Methacrylonitrile
Concen: 51.997 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.8	64.2
67	77.5	62.1	93.1
52	30.1	23.4	35.0

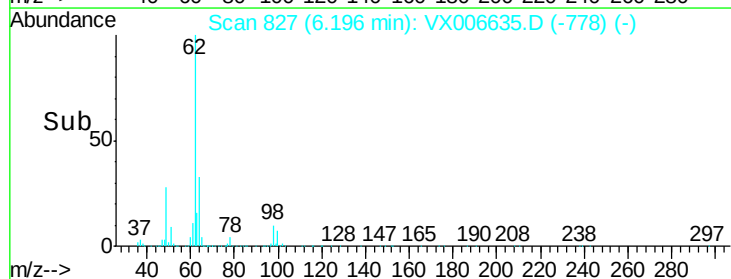
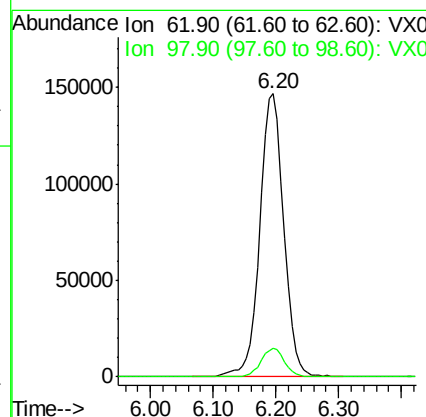
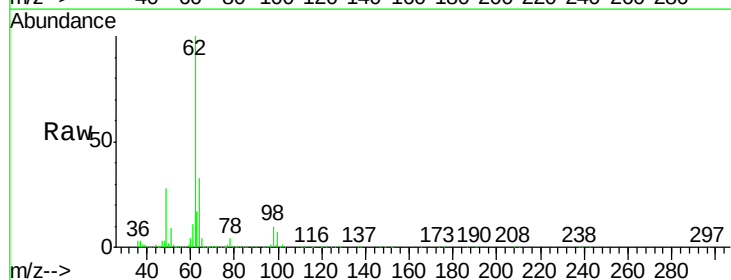
Manual Integrations
APPROVED

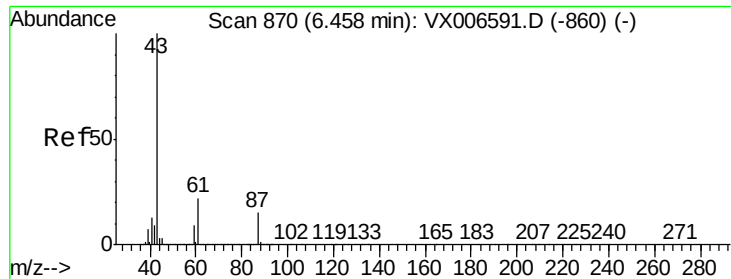
MMDadoda
12/20/2018 10:00:18 AM



#42
1,2-Dichloroethane
Concen: 49.132 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 52.014 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006635.D

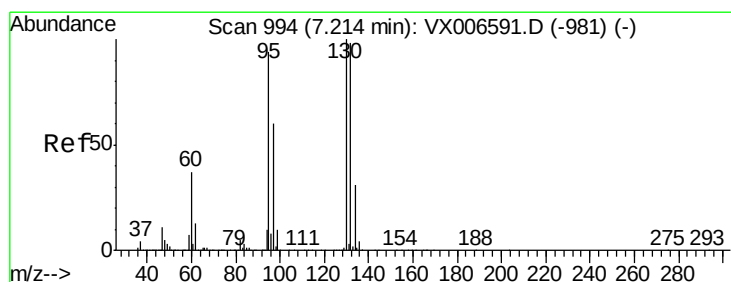
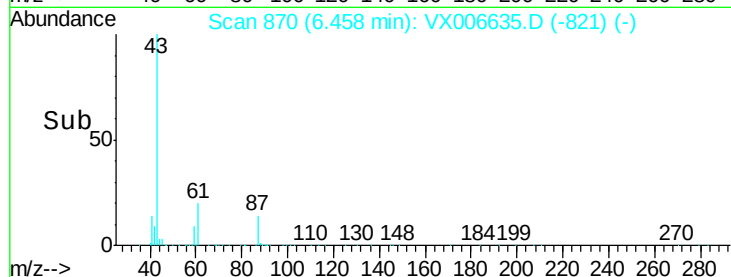
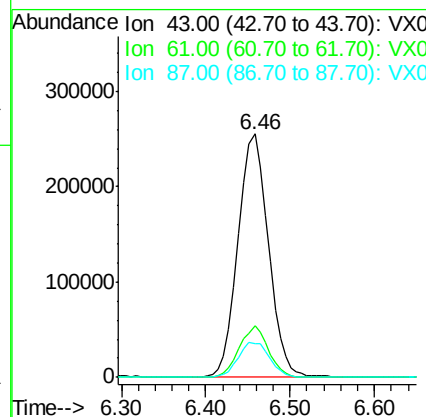
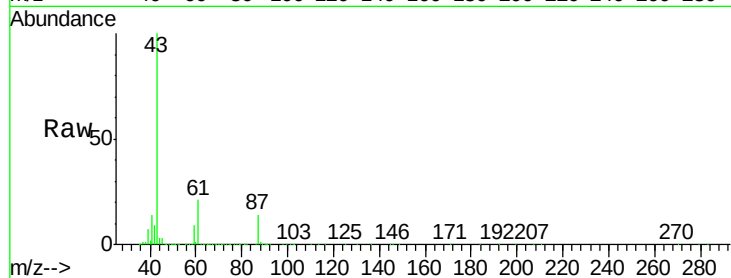
Acq: 19 Dec 2018 14:22

Tot Ion:	43	Resp:	625935
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	15.1	12.4	18.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#44

Trichloroethene

Concen: 49.256 ug/l

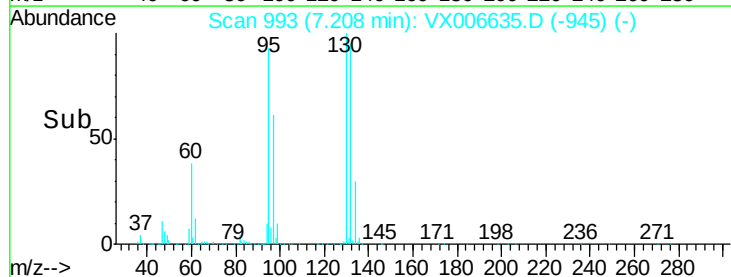
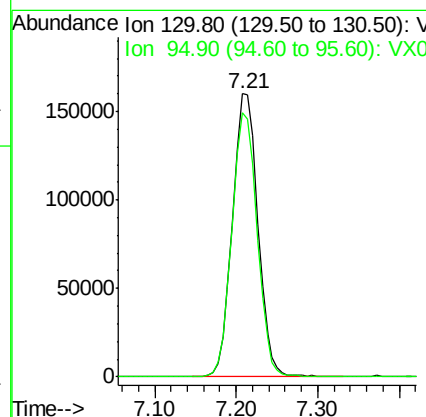
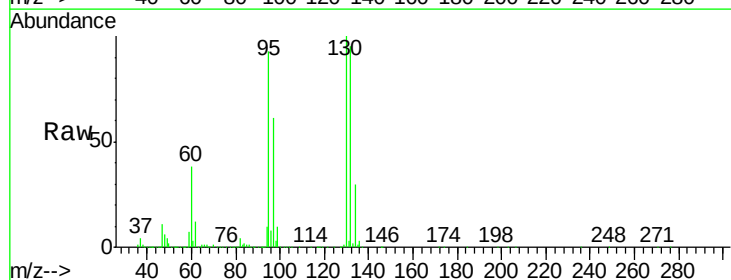
RT: 7.21 min Scan# 993

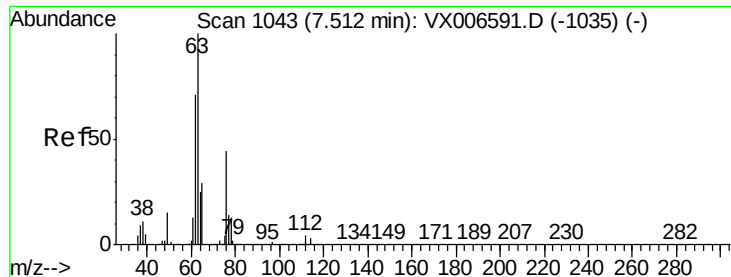
Delta R.T. -0.01 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	130	Resp:	344350
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	187.0





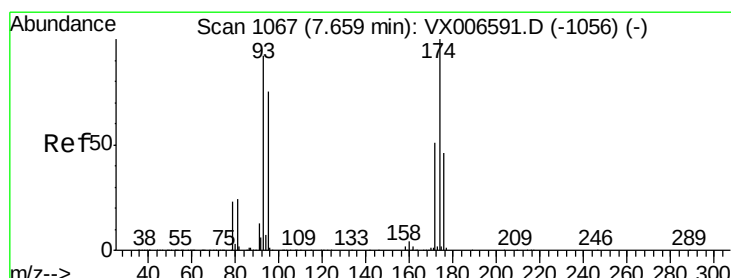
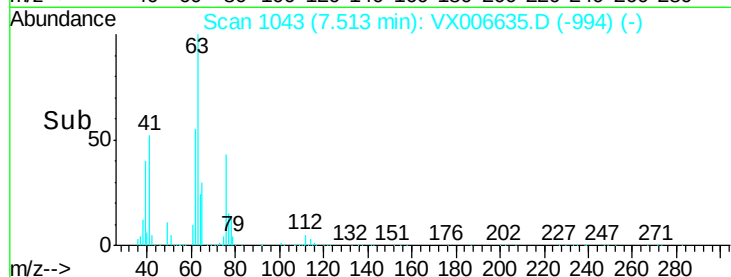
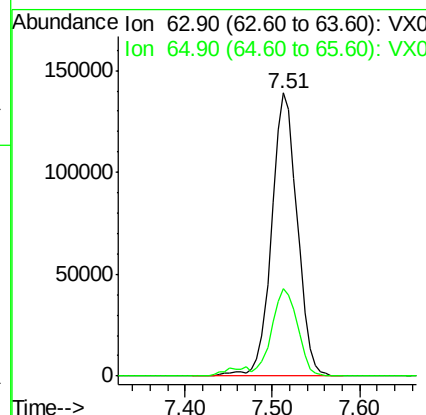
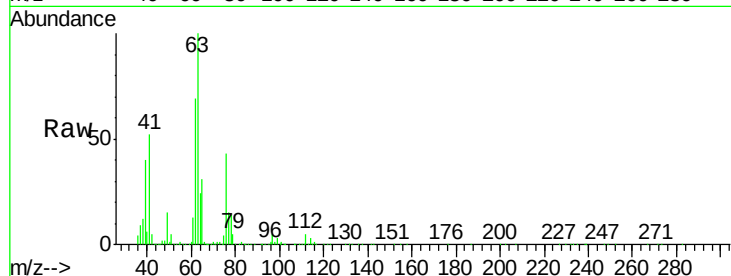
#45
 1,2-Dichloropropane
 Concen: 50.449 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.4	38.0

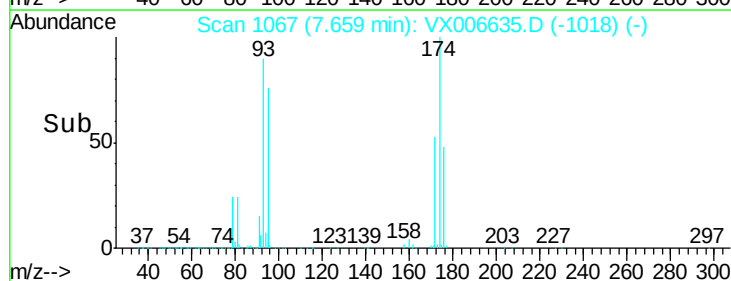
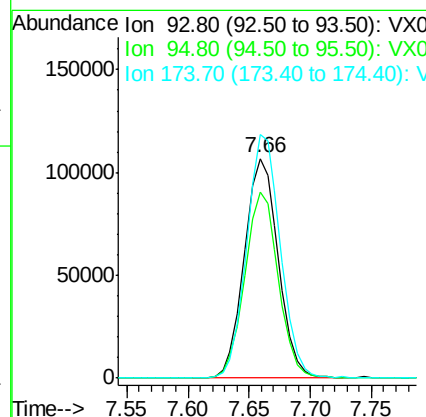
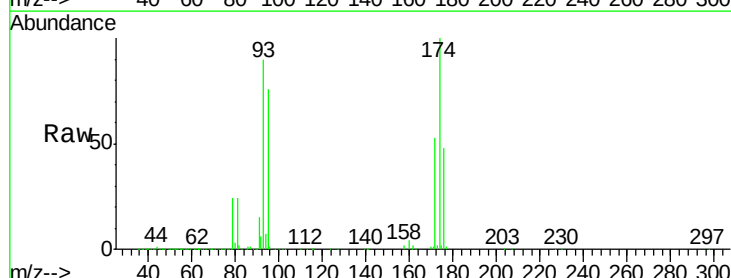
Manual Integrations
 APPROVED

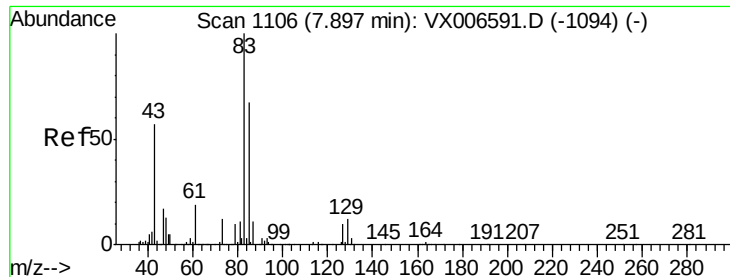
MMDadoda
 12/20/2018 10:00:18 AM



#46
 Dibromomethane
 Concen: 49.789 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.2	99.4
174	110.6	91.0	136.4





#47

Bromodichloromethane

Concen: 51.957 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

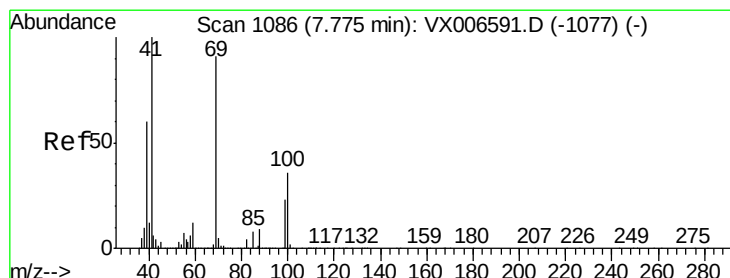
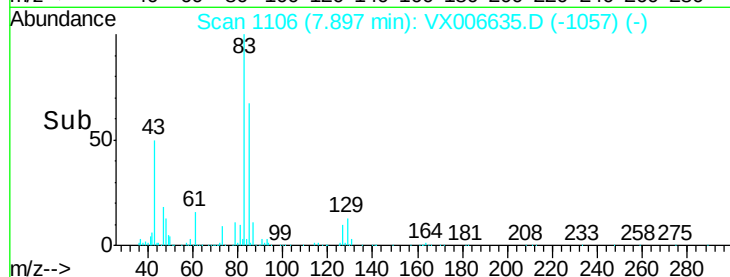
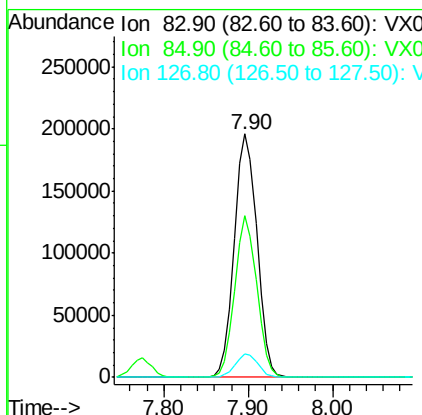
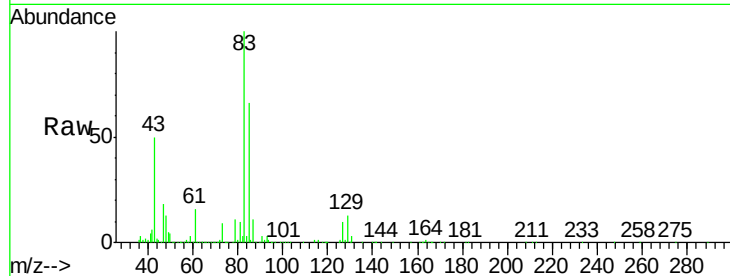
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	356644
Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.2	79.8
127	9.7	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#48

Methyl methacrylate

Concen: 52.208 ug/l

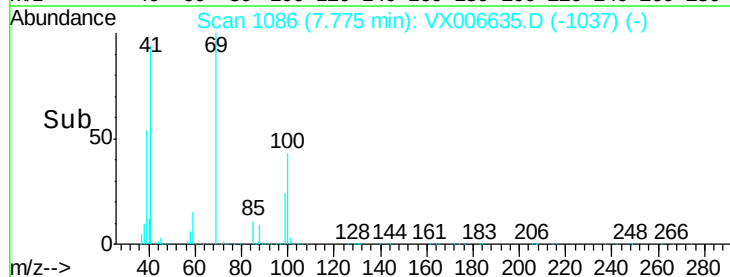
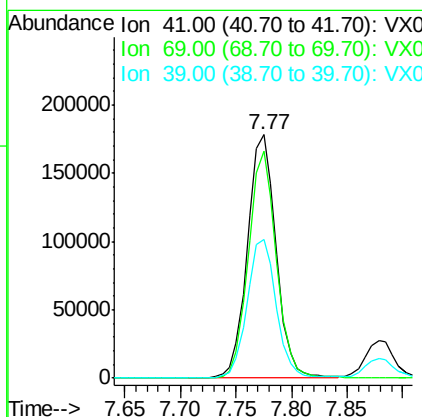
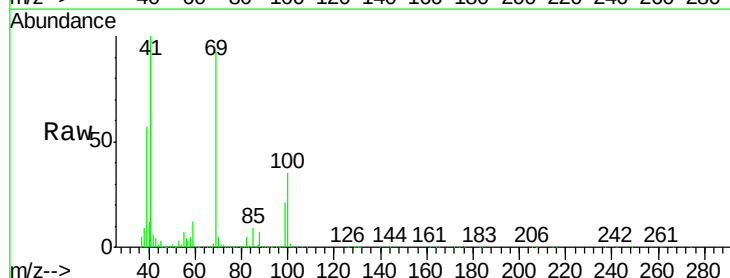
RT: 7.77 min Scan# 1086

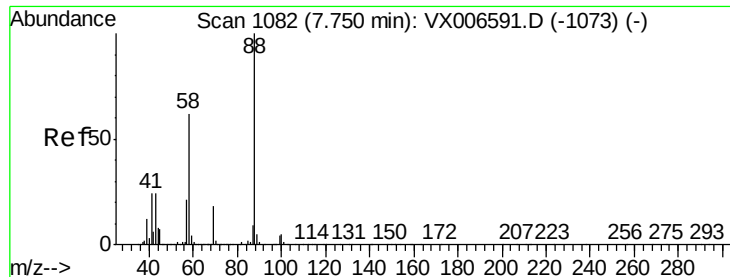
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	41	Resp:	319493
Ion	Ratio	Lower	Upper
41	100		
69	91.1	72.4	108.6
39	57.7	45.8	68.8





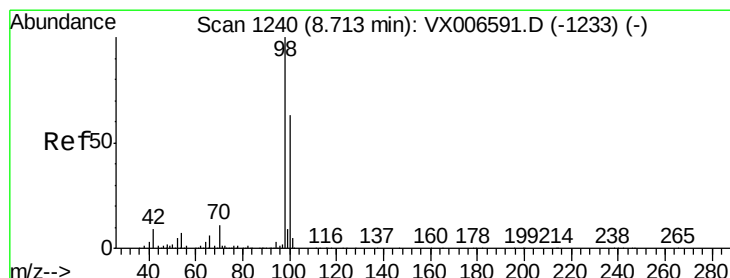
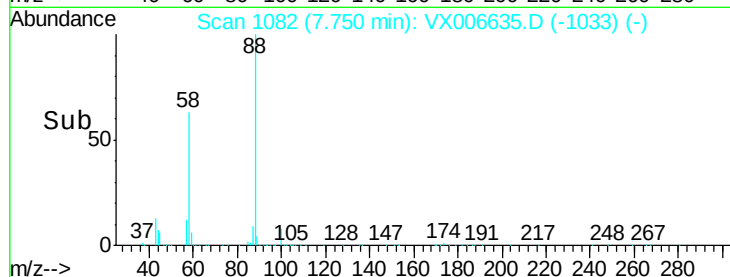
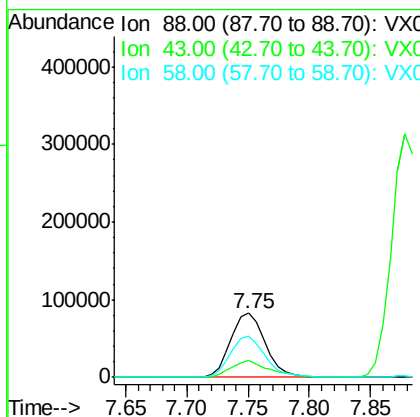
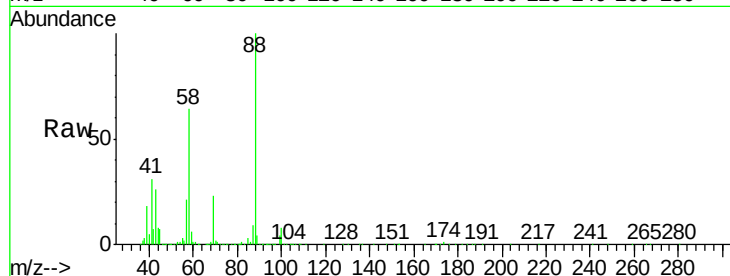
#49
1,4-Dioxane
Concen: 1006.586 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.2	33.4
58	65.2	51.0	76.4

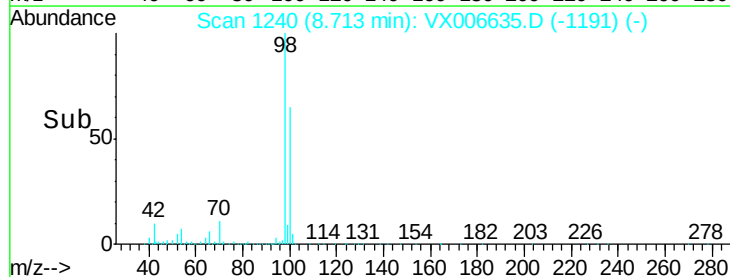
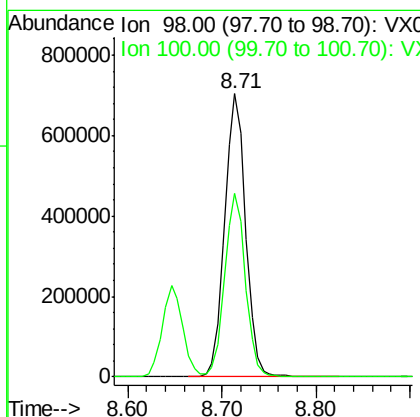
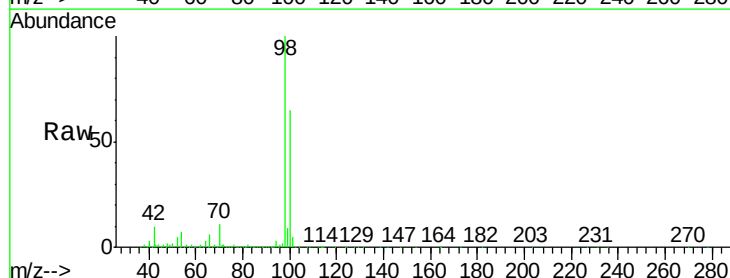
Manual Integrations
APPROVED

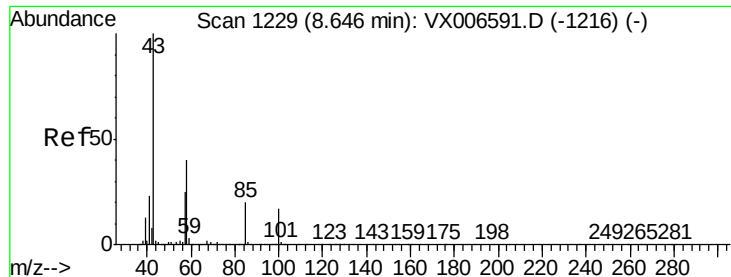
MMDadoda
12/20/2018 10:00:18 AM



#50
Toluene-d8
Concen: 49.663 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 264.285 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tot Ion: 43 Resp: 2023602

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.6

Instrument :

MSVOA_X

ClientSampleId :

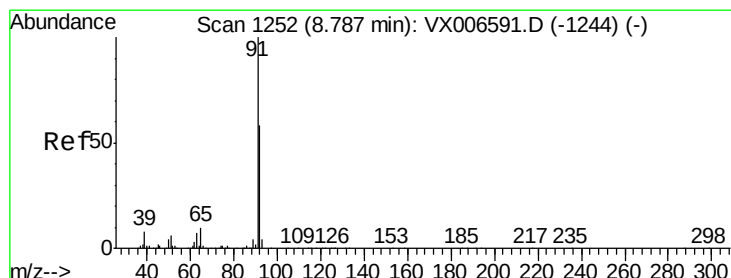
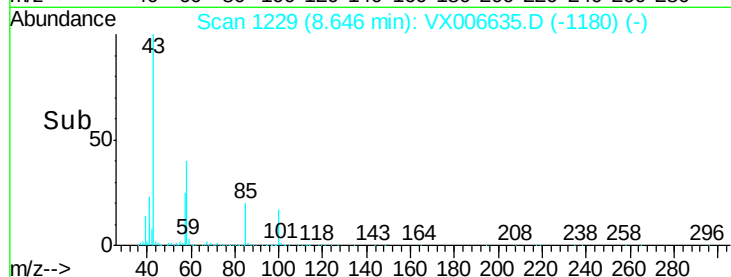
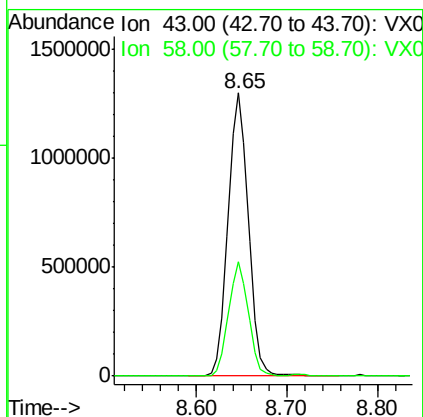
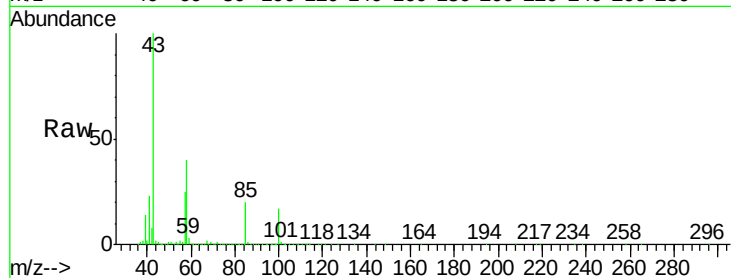
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



#52

Toluene

Concen: 51.545 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006635.D

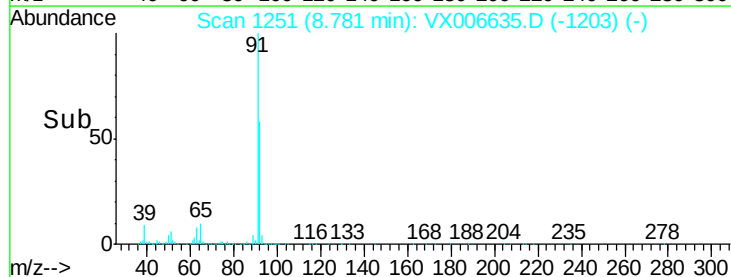
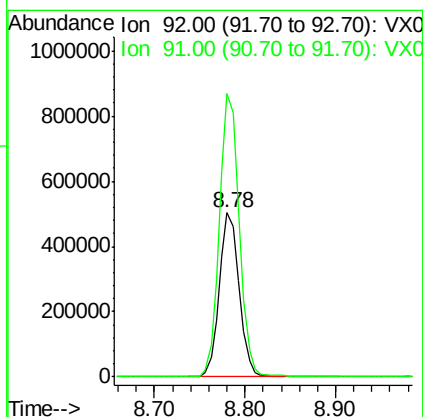
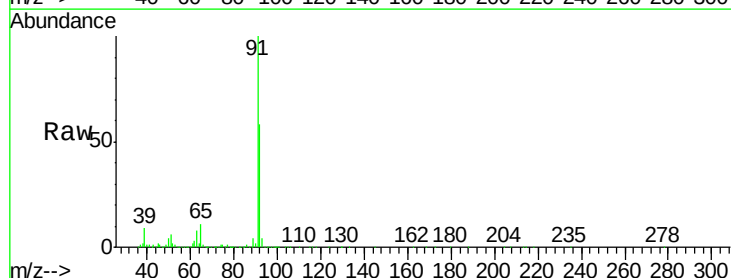
Acq: 19 Dec 2018 14:22

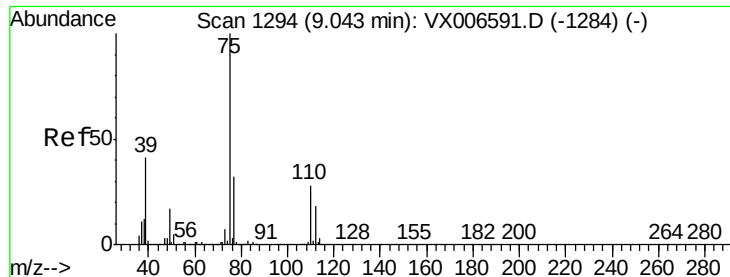
Tgt Ion: 92 Resp: 769173

Ion Ratio Lower Upper

92 100

91 173.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 54.098 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 398255

Ion Ratio Lower Upper

75 100

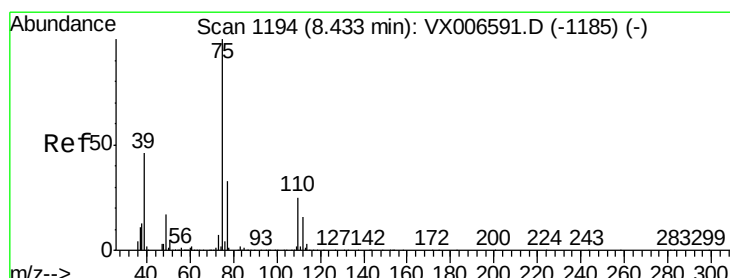
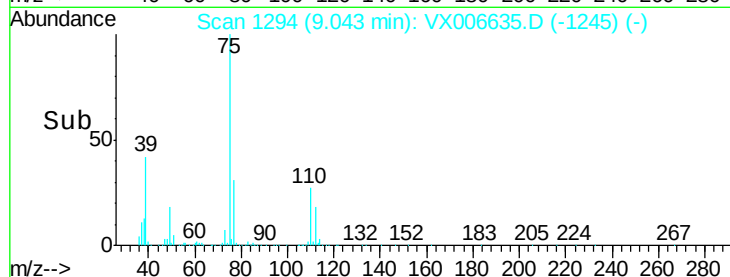
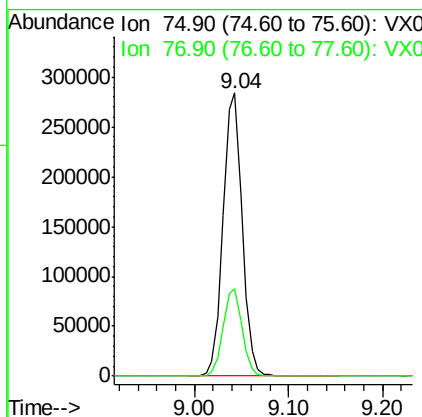
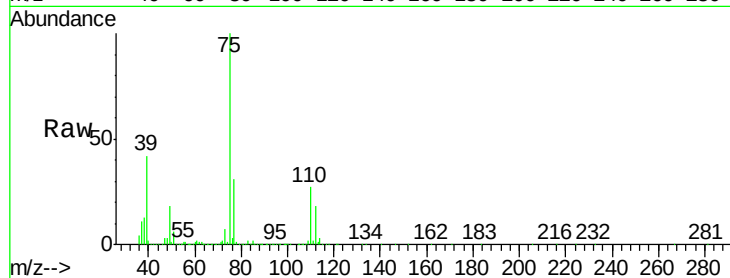
77 31.1 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



#54

cis-1,3-Dichloropropene

Concen: 54.411 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

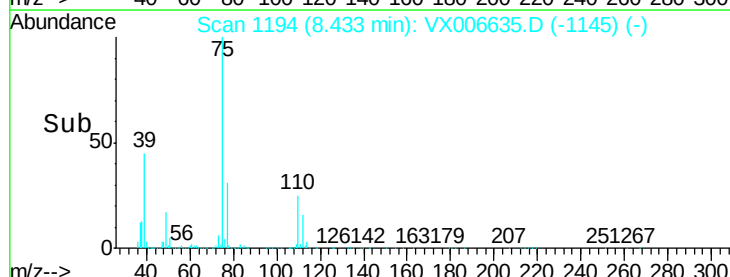
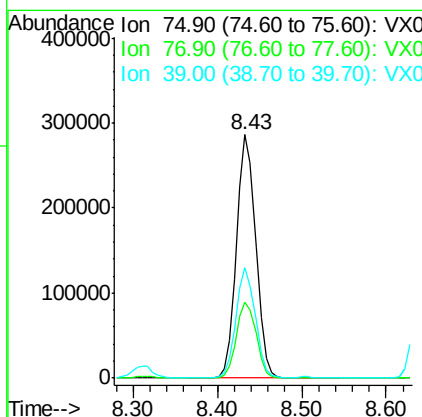
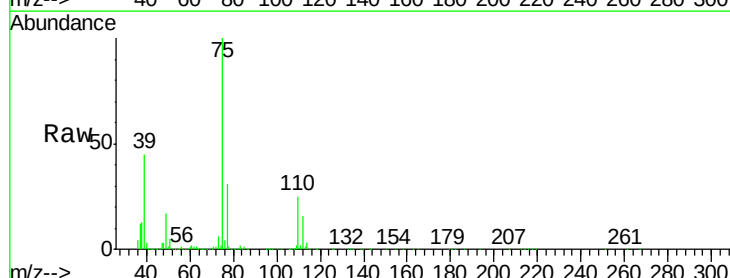
Tgt Ion: 75 Resp: 439520

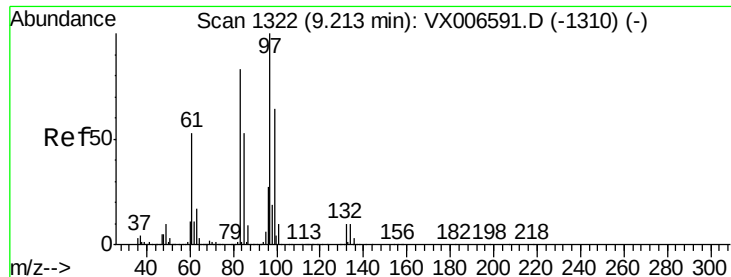
Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

39 45.2 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 51.381 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

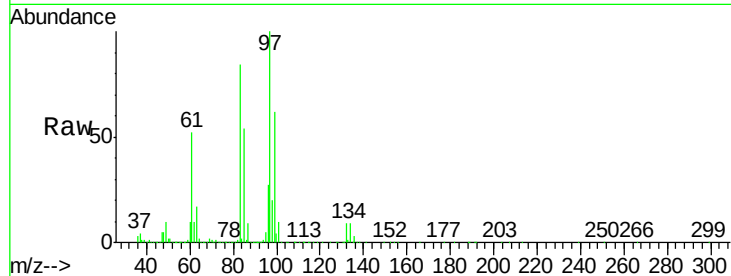
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	313837
Ion Ratio	Lower	Upper	
97	100		
83	84.1	66.6	99.8
85	54.3	42.7	64.1
99	62.3	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM

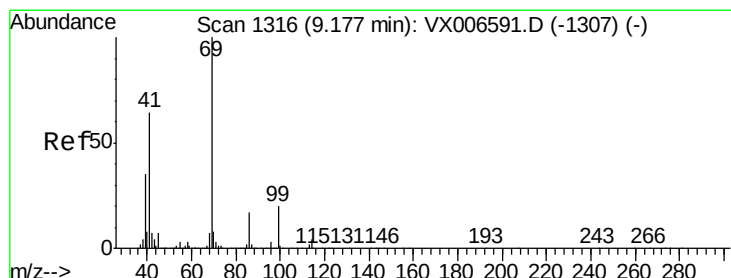
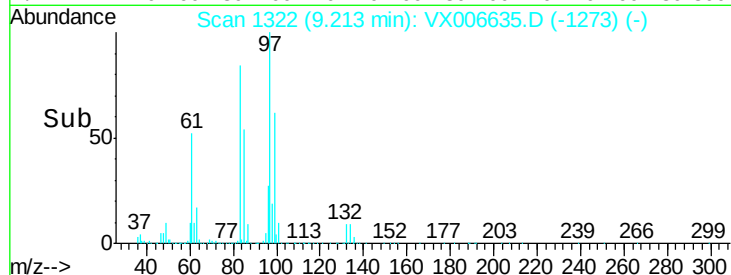
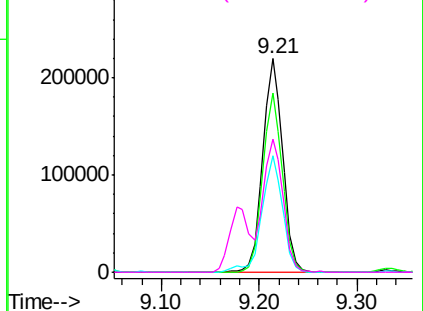


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 53.333 ug/l

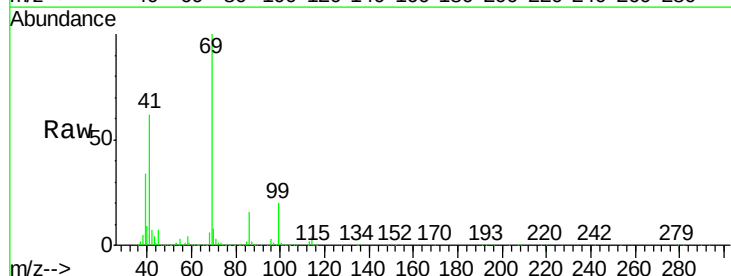
RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

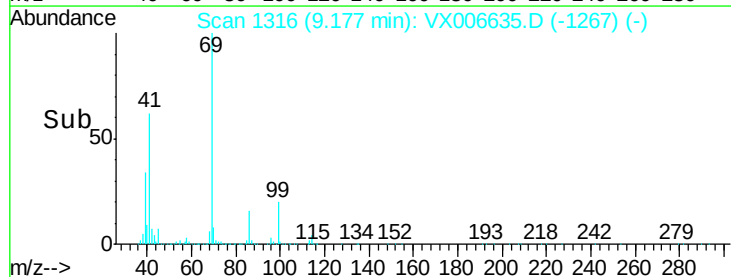
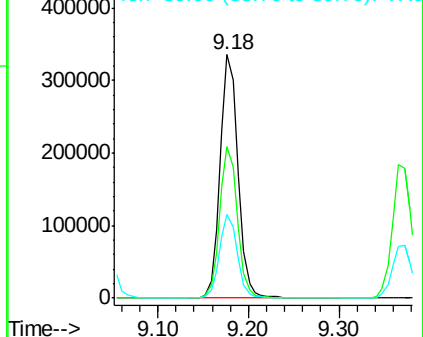
Tgt Ion:	69	Resp:	460413
Ion Ratio	Lower	Upper	
69	100		
41	61.7	48.7	73.1
39	34.2	27.0	40.6

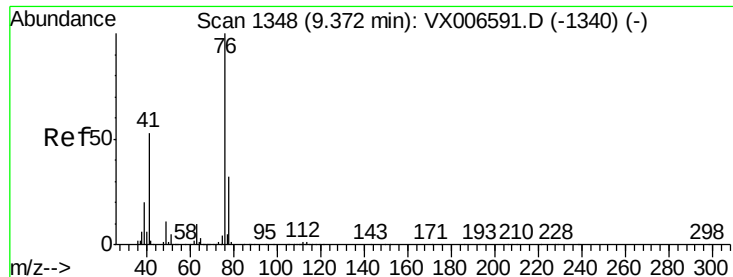


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





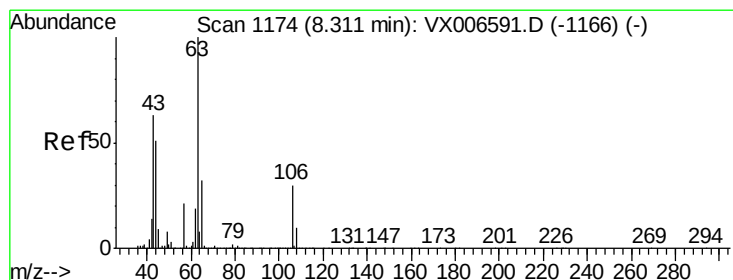
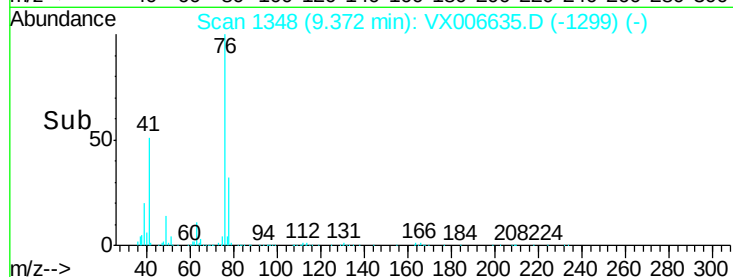
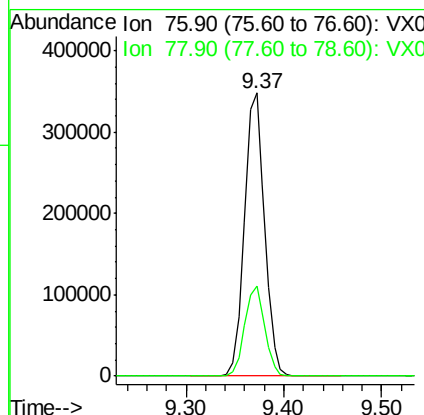
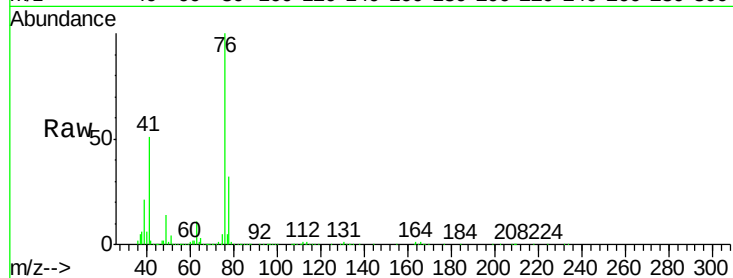
#57
 1,3-Dichloropropane
 Concen: 50.354 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

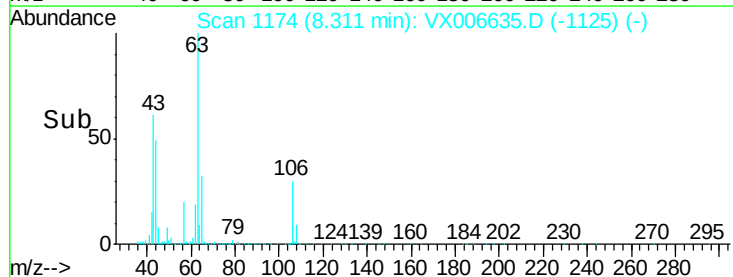
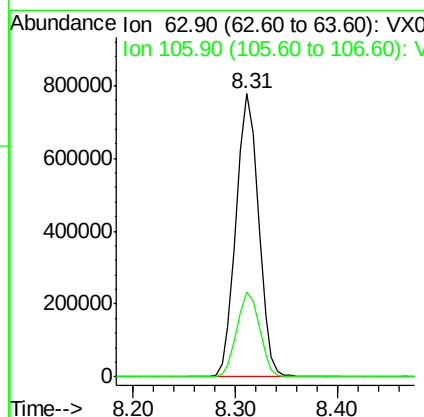
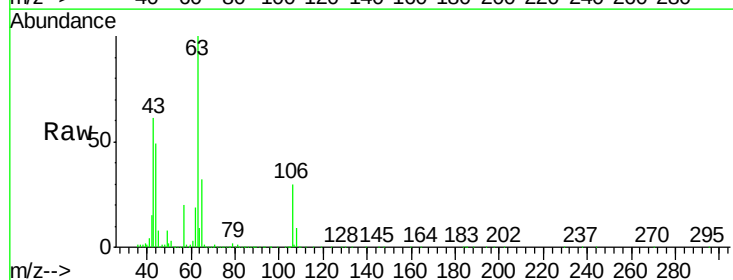
Manual Integrations
 APPROVED

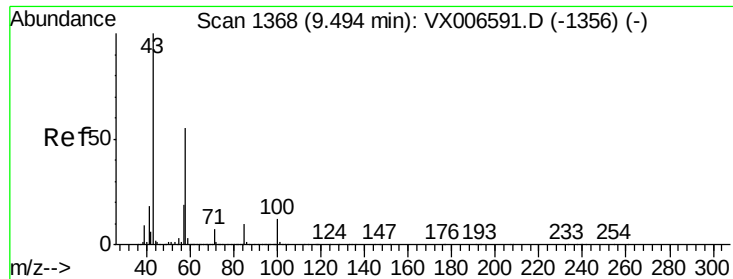
MMDadoda
 12/20/2018 10:00:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.046 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.6	36.8





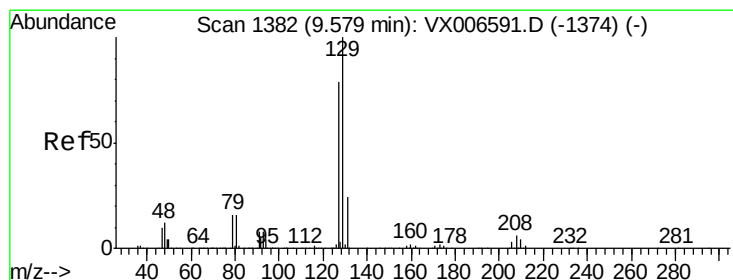
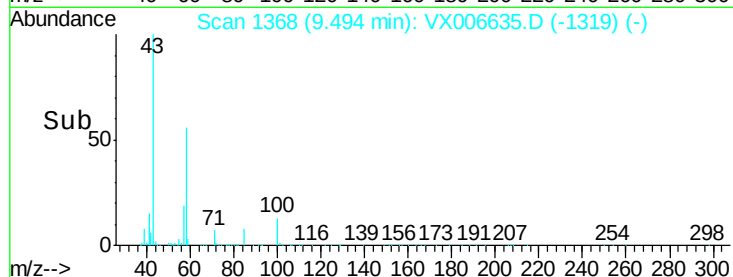
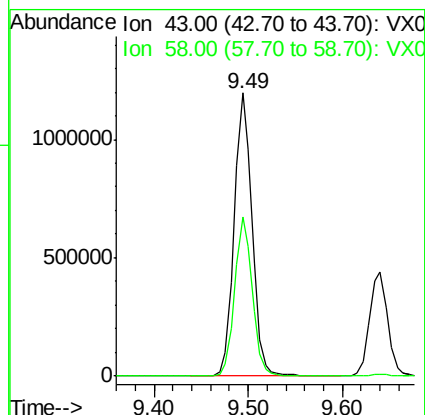
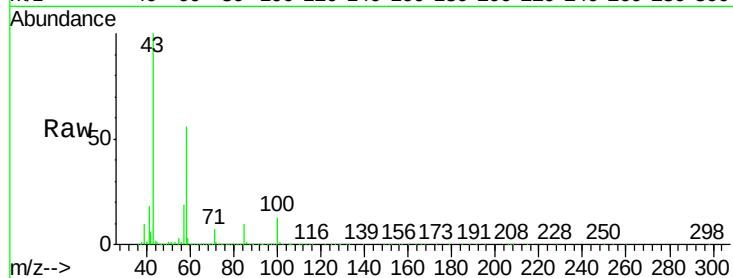
#59
2-Hexanone
Concen: 268.789 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1574678
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1

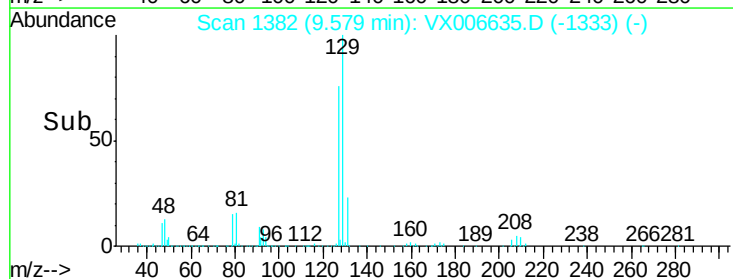
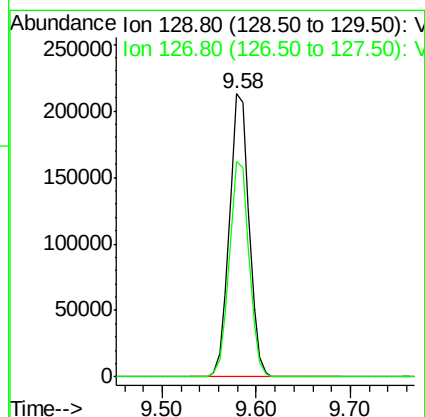
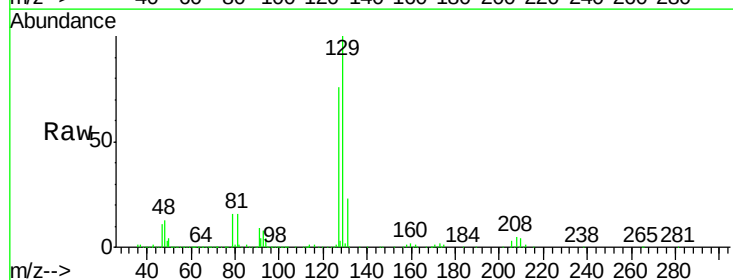
Manual Integrations
APPROVED

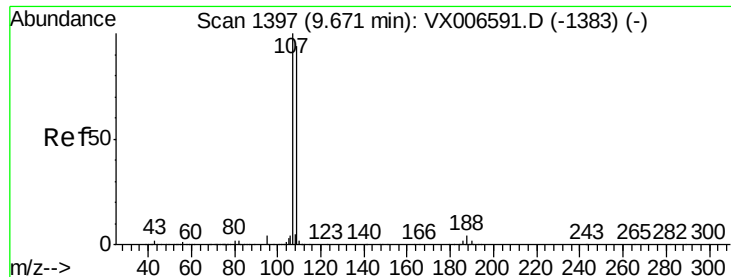
MMDadoda
12/20/2018 10:00:18 AM



#60
Dibromochloromethane
Concen: 48.479 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion: 129 Resp: 309221
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





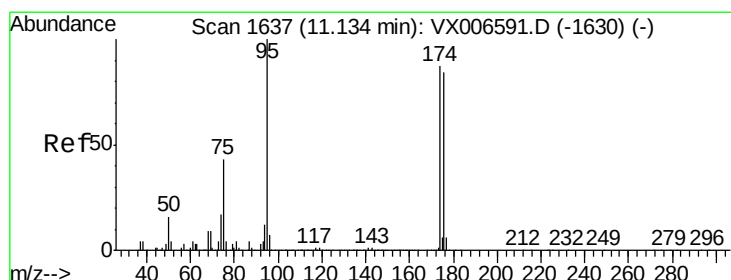
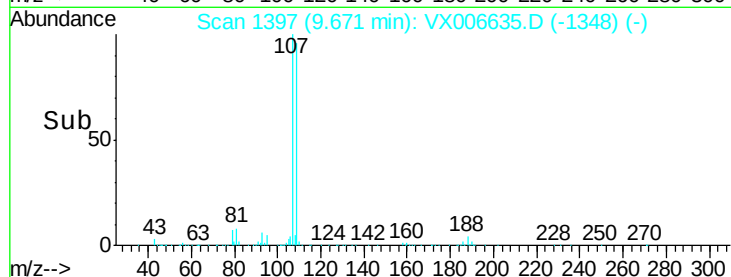
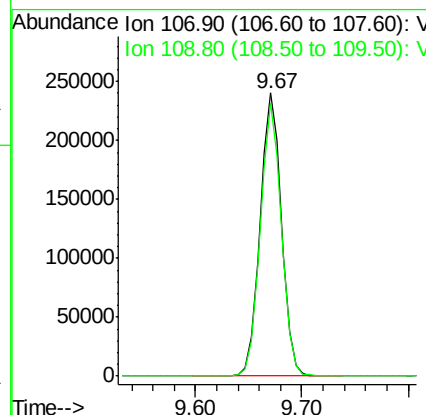
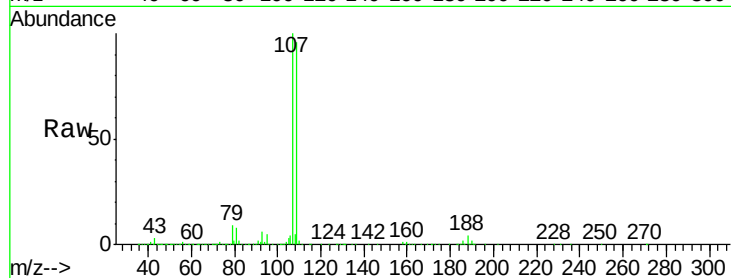
#61
 1,2-Dibromoethane
 Concen: 51.923 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.6

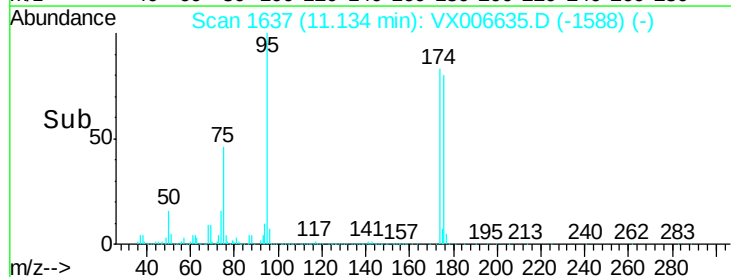
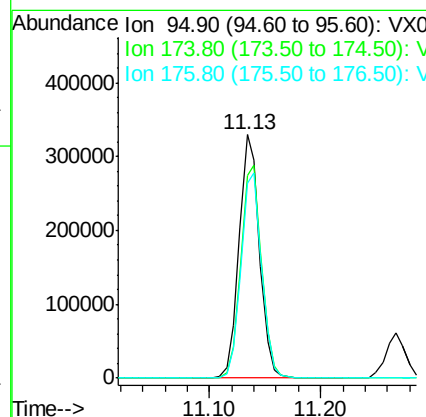
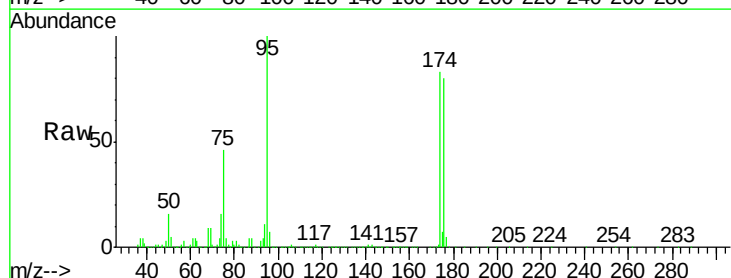
Manual Integrations
 APPROVED

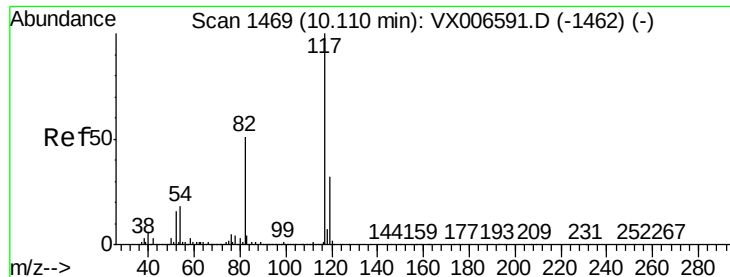
MMDadoda
 12/20/2018 10:00:18 AM



#62
 4-Bromofluorobenzene
 Concen: 51.884 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	182.2
176	86.1	0.0	178.8





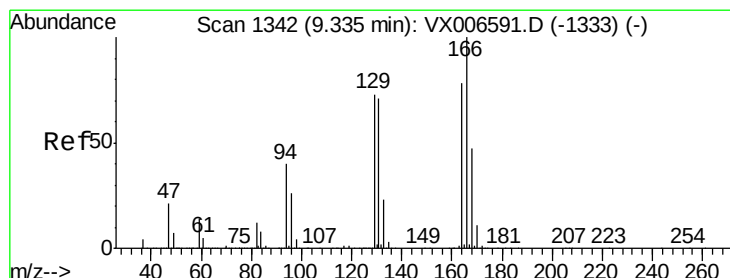
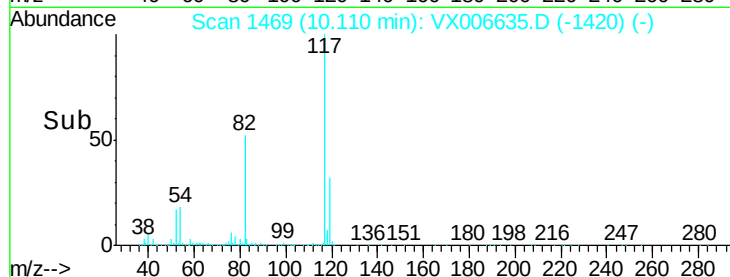
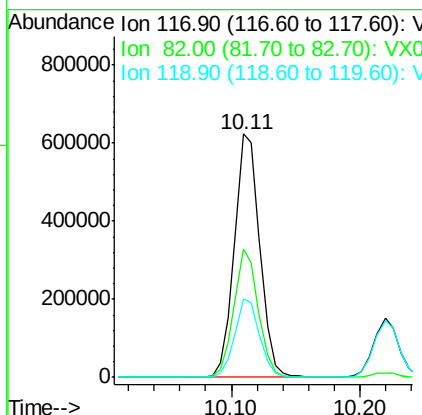
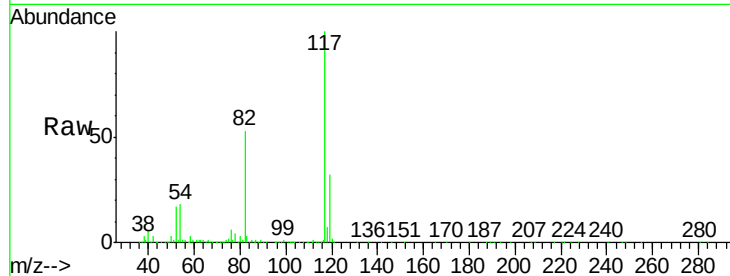
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	858708		
82	52.5		41.0	61.6
119	32.1		25.4	38.0

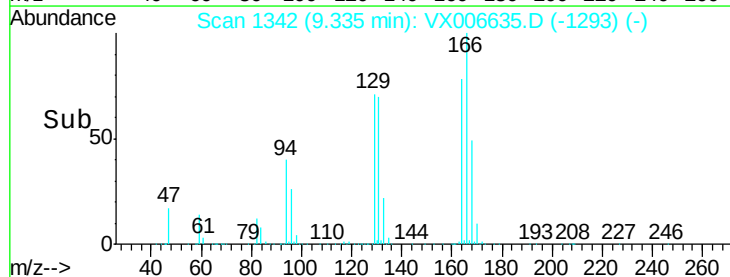
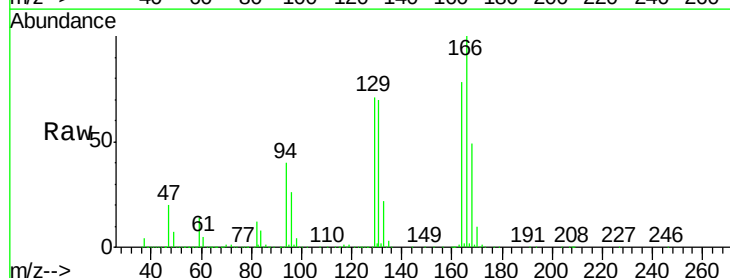
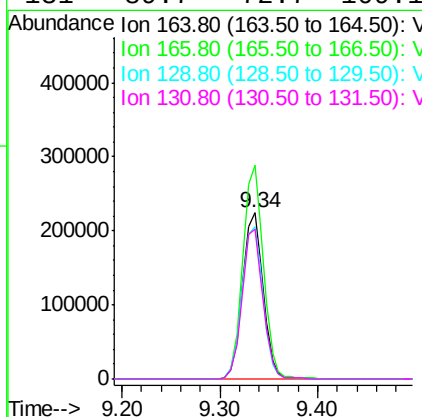
Manual Integrations
APPROVED

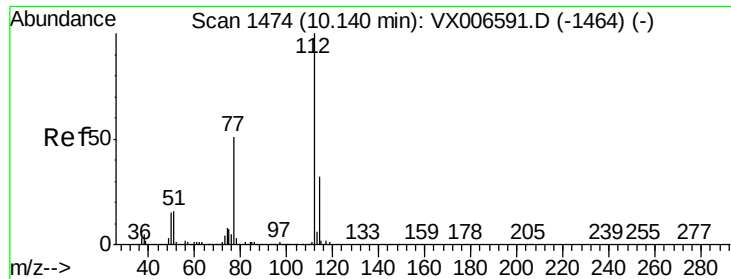
MMDadoda
12/20/2018 10:00:18 AM



#64
Tetrachloroethene
Concen: 48.588 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	330384		
166	128.4		102.5	153.7
129	91.5		75.1	112.7
131	89.7		72.7	109.1





#65

Chlorobenzene

Concen: 49.190 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 893618

Ion Ratio Lower Upper

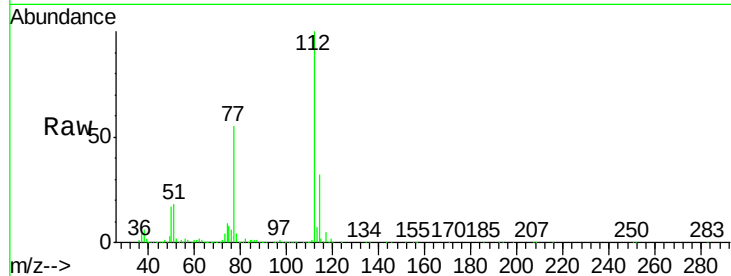
112 100

114 32.3 25.7 38.5

Manual Integrations
APPROVED

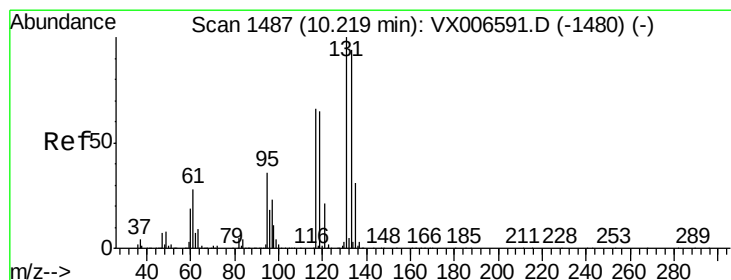
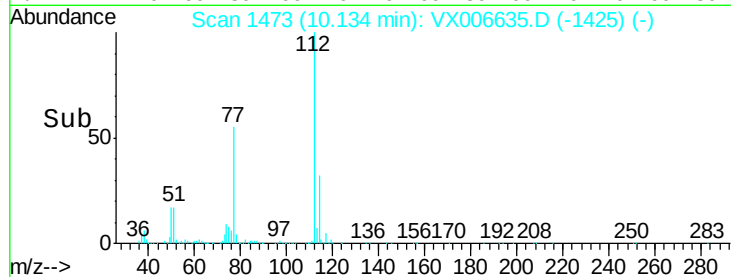
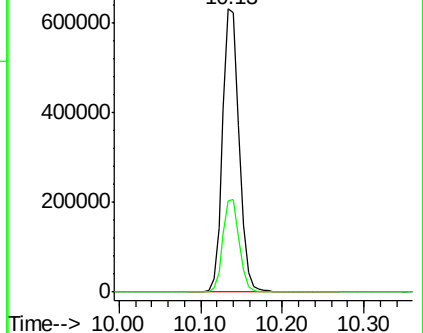
MMDadoda

12/20/2018 10:00:18 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.089 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

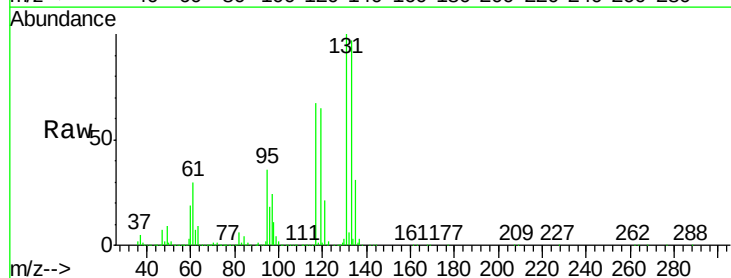
Tgt Ion:131 Resp: 300908

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

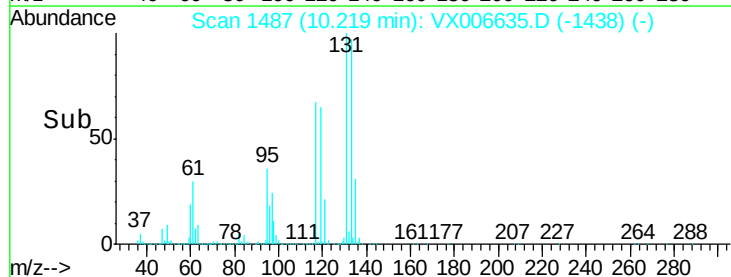
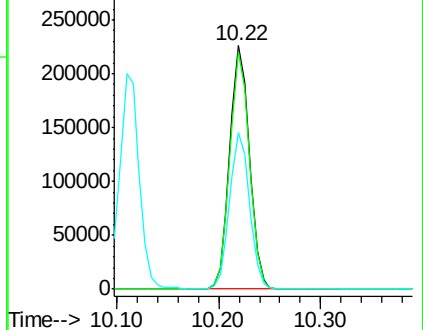
119 64.9 32.6 97.8

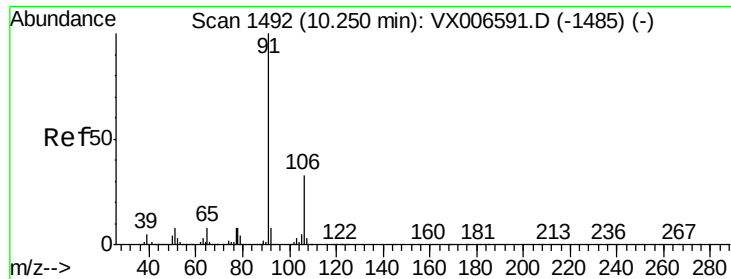


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.397 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1496060

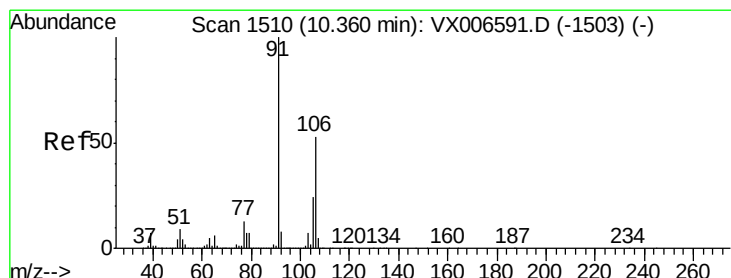
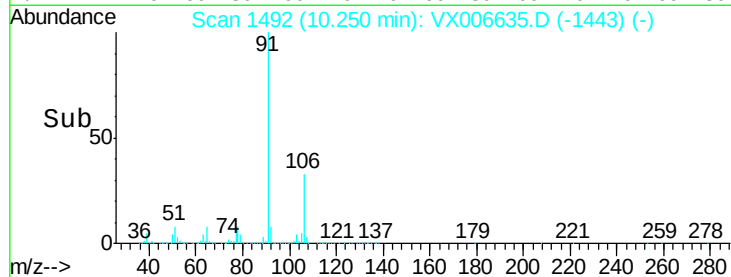
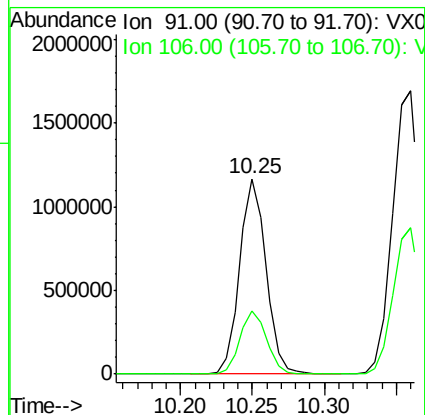
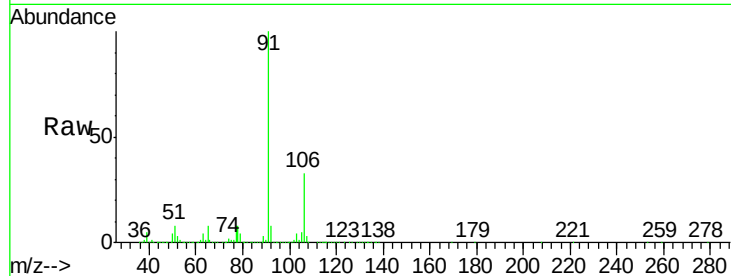
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#68

m/p-Xylenes

Concen: 102.228 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006635.D

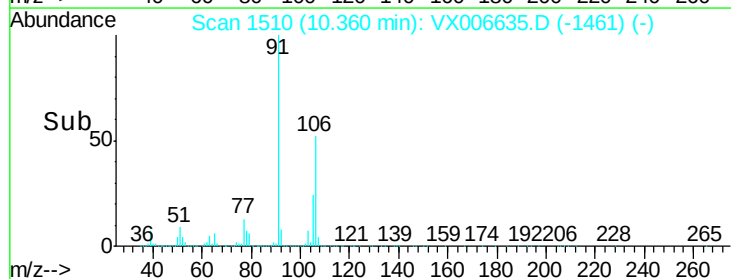
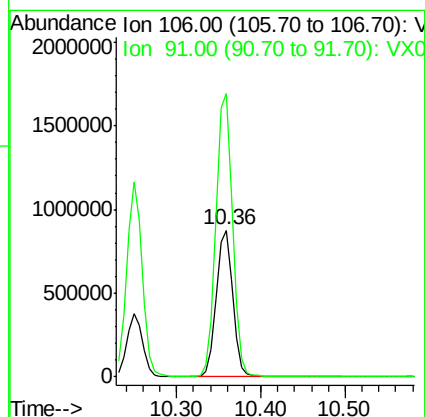
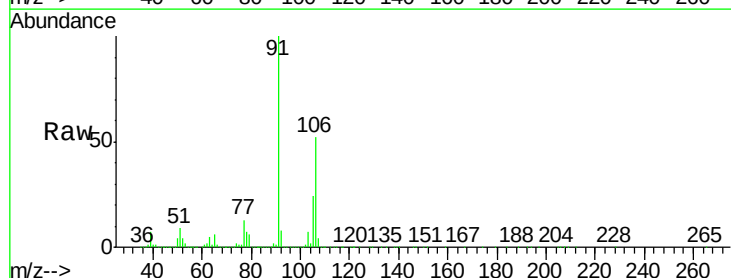
Acq: 19 Dec 2018 14:22

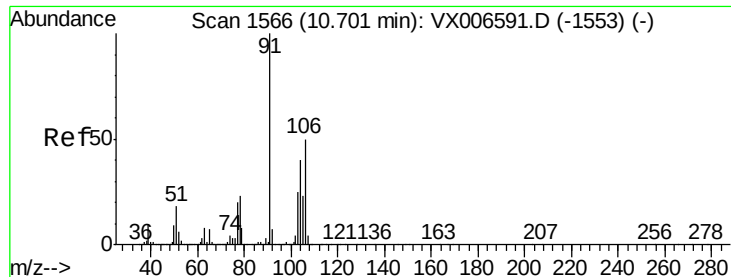
Tgt Ion: 106 Resp: 1197485

Ion Ratio Lower Upper

106 100

91 195.5 155.8 233.6





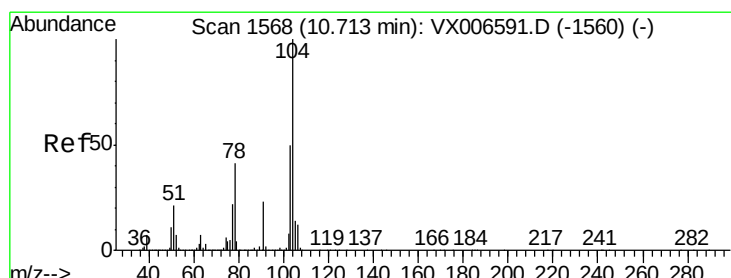
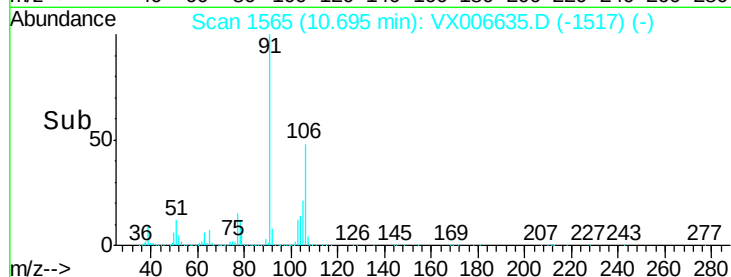
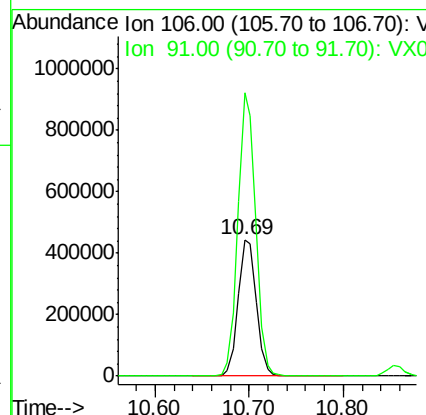
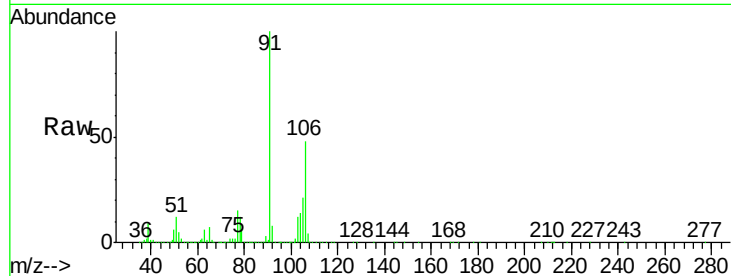
#69
o-Xylene
Concen: 51.098 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.1	101.3	303.7

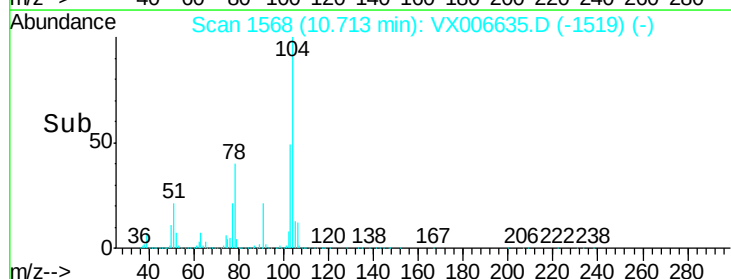
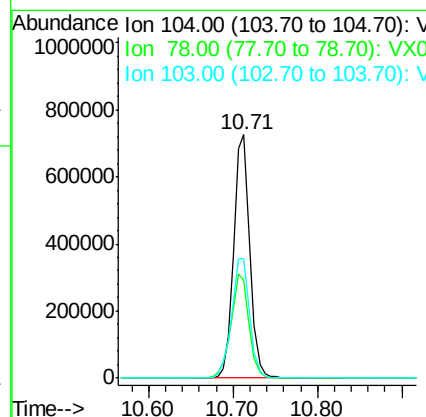
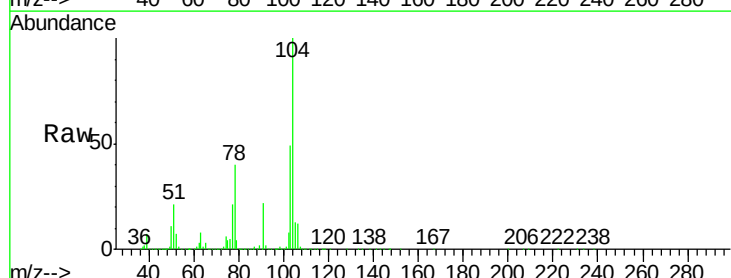
Manual Integrations
APPROVED

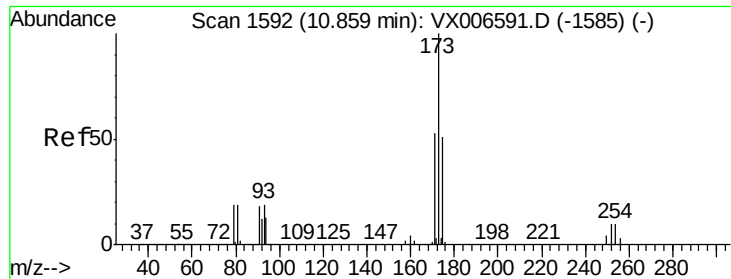
MMDadoda
12/20/2018 10:00:18 AM



#70
Styrene
Concen: 52.309 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.7	56.5
103	55.2	43.8	65.8





#71

Bromoform

Concen: 44.624 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

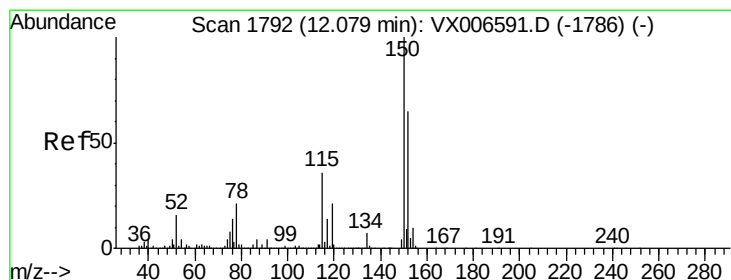
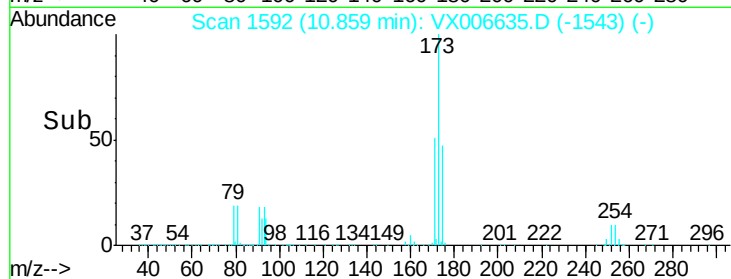
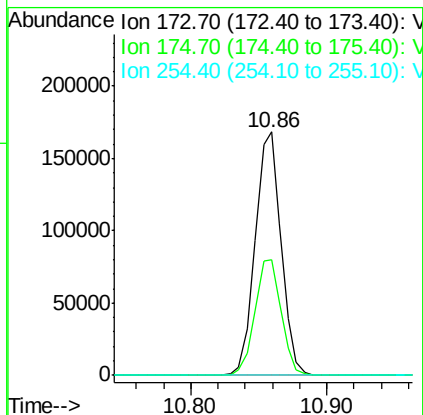
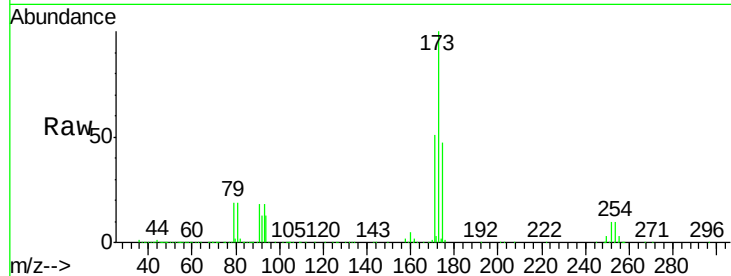
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	225454
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

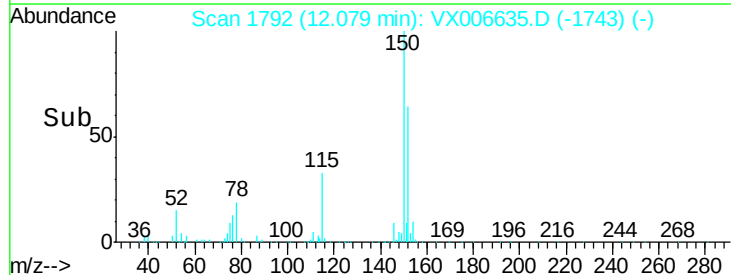
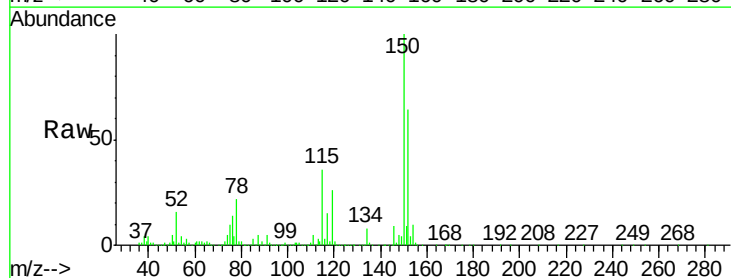
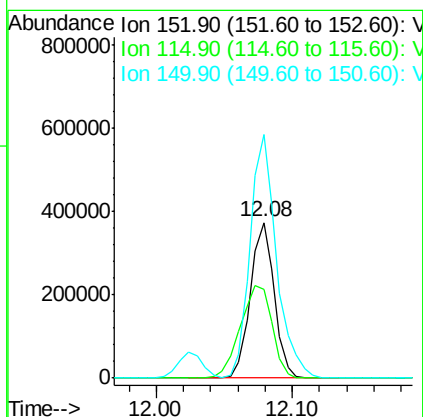
RT: 12.08 min Scan# 1792

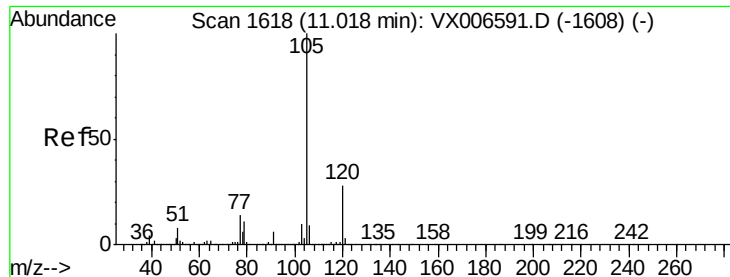
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	152	Resp:	458522
Ion Ratio	Lower	Upper	
152	100		
115	79.0	39.1	117.2
150	174.0	0.0	344.8





#73

Isopropylbenzene

Concen: 49.776 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1561398

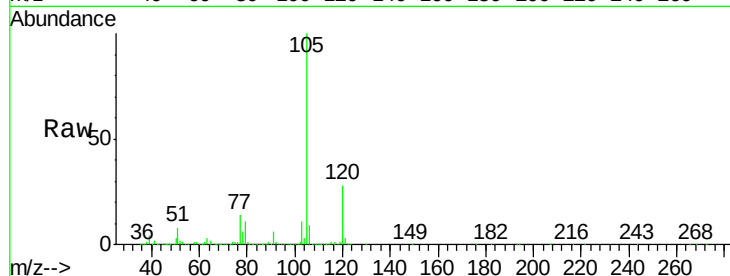
Ion Ratio Lower Upper

105 100

120 27.9 14.1 42.4

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

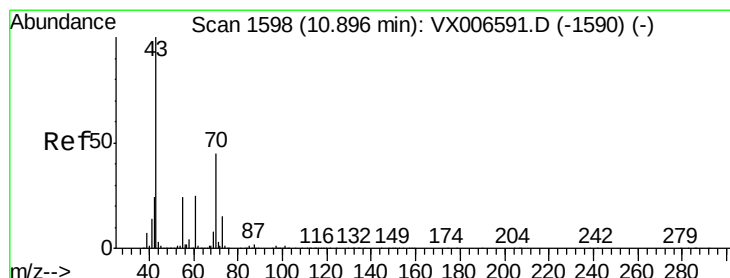
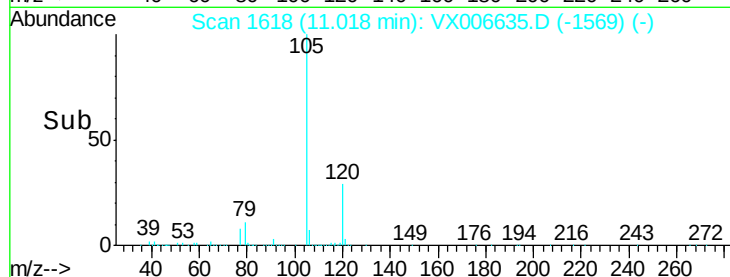
1500000

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 50.767 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion: 43 Resp: 570015

Ion Ratio Lower Upper

43 100

70 43.9 35.8 53.8

55 24.1 19.4 29.0

61 24.7 20.1 30.1

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

800000

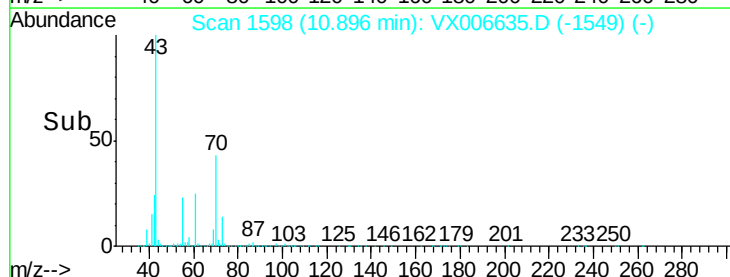
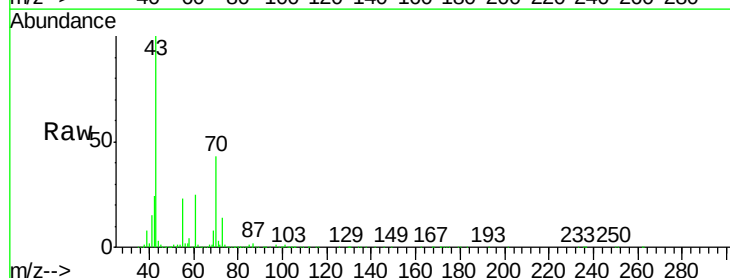
600000

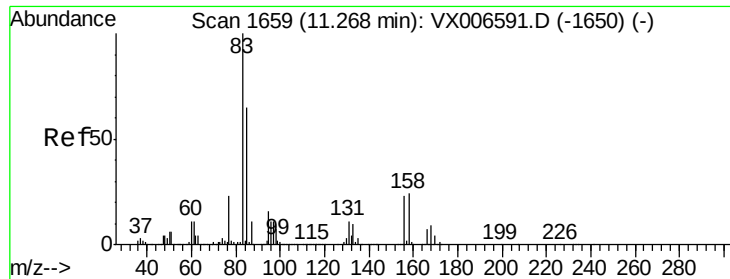
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.520 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 461974

Ion Ratio Lower Upper

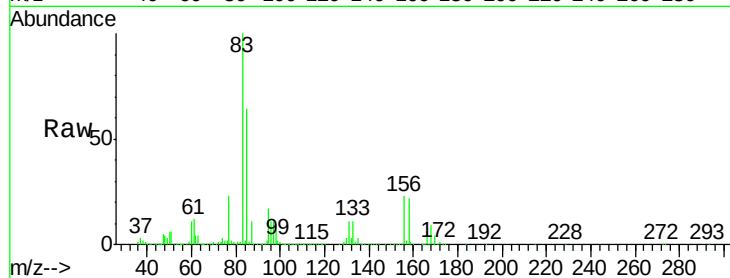
83 100

131 11.3 5.7 17.1

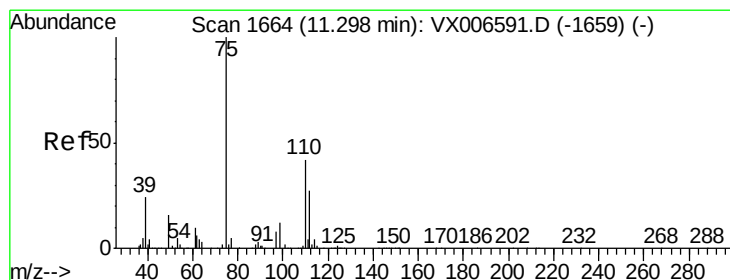
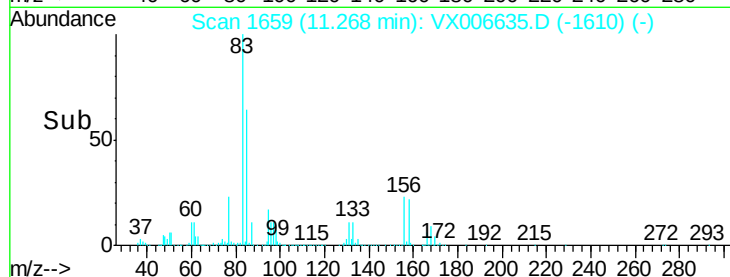
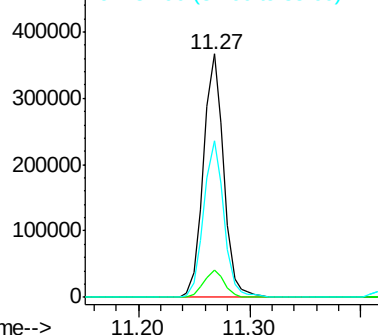
85 64.4 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



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



#76

1,2,3-Trichloropropane

Concen: 50.894 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006635.D

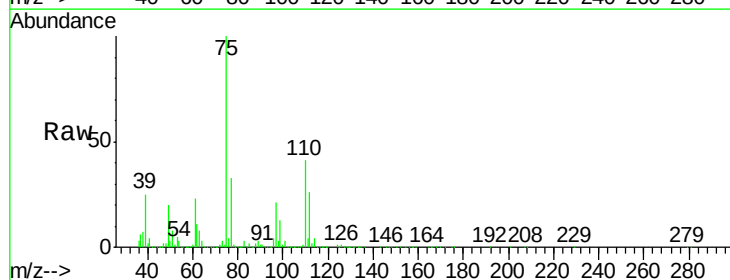
Acq: 19 Dec 2018 14:22

Tgt Ion: 75 Resp: 433683

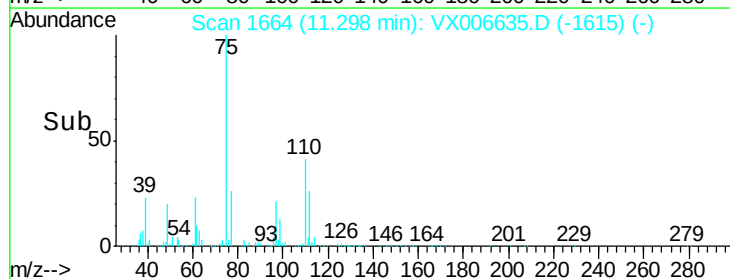
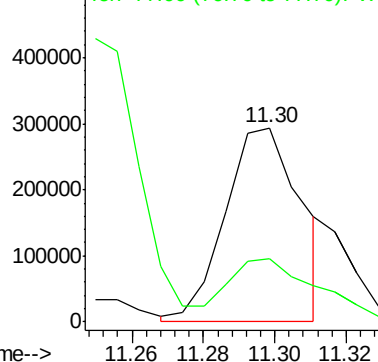
Ion Ratio Lower Upper

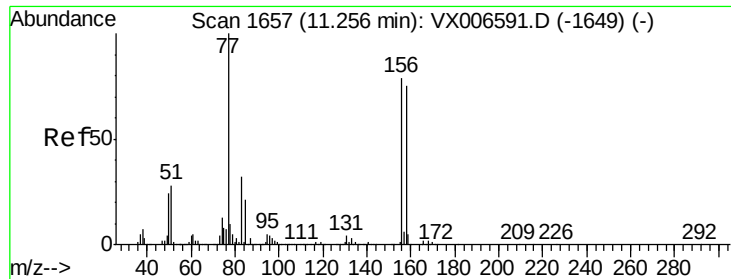
75 100

77 37.7 18.5 55.5



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





#77

Bromobenzene

Concen: 49.221 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

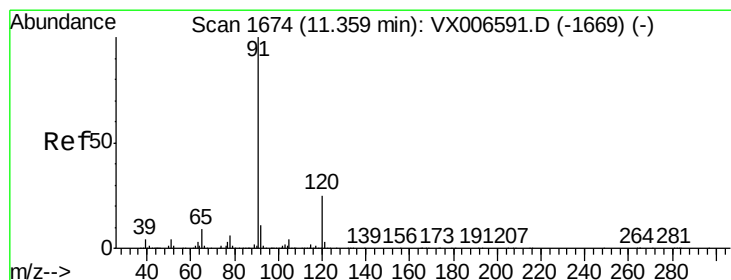
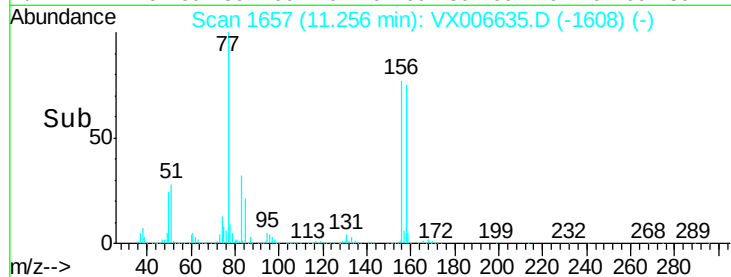
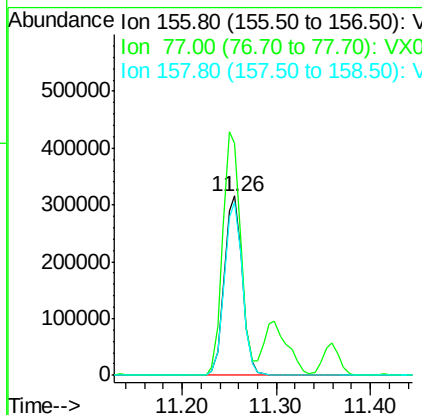
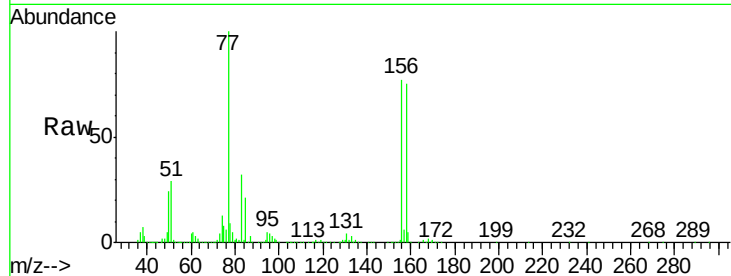
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.2	68.0	204.0
158	96.8	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#78

n-propylbenzene

Concen: 51.322 ug/l

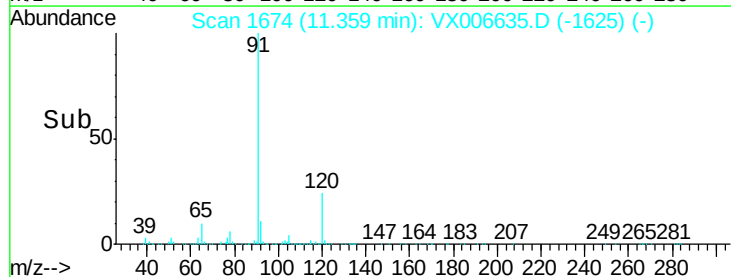
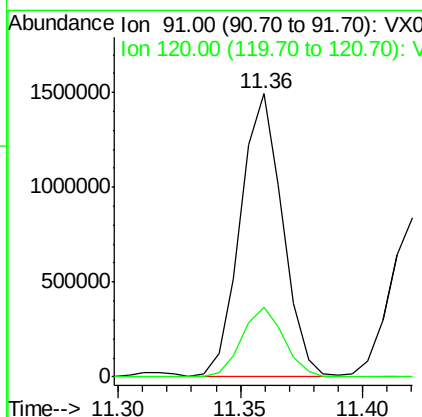
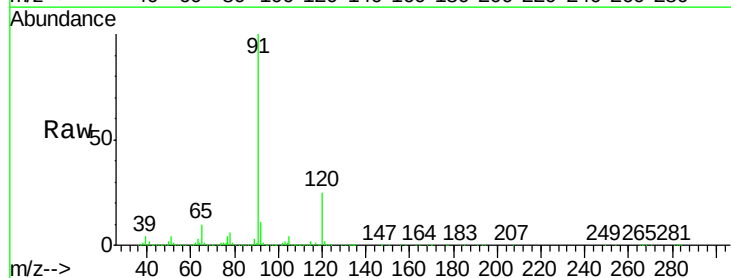
RT: 11.36 min Scan# 1674

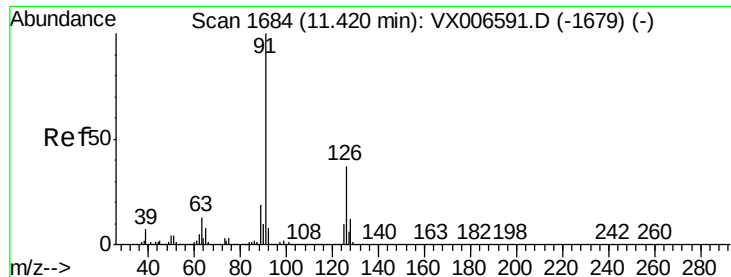
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 49.424 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1034607

Ion Ratio Lower Upper

91 100

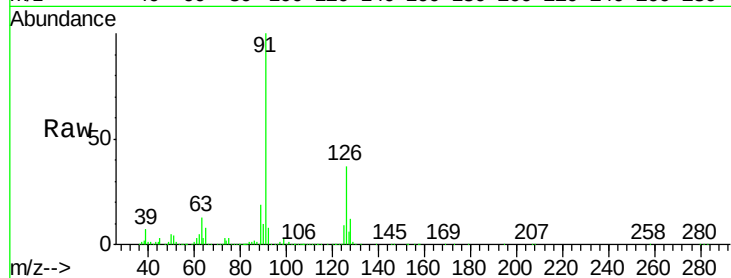
126 37.3 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)

1500000

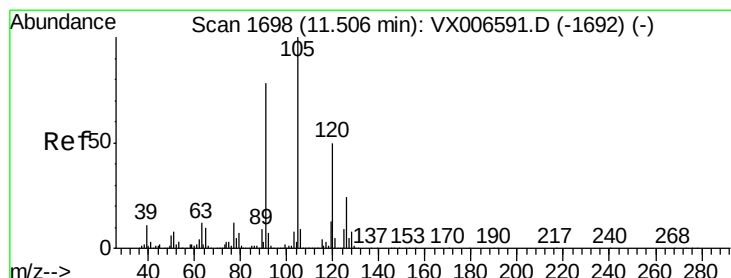
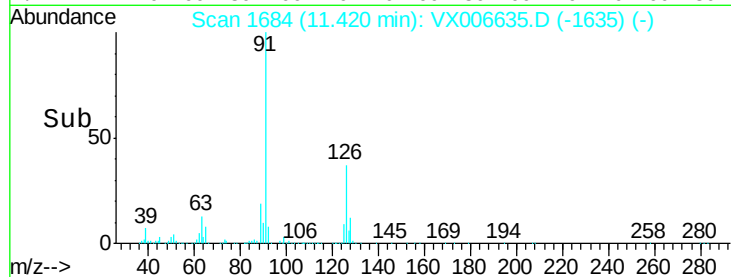
1000000

500000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.631 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006635.D

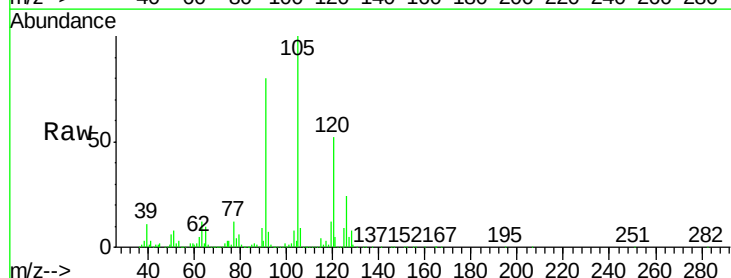
Acq: 19 Dec 2018 14:22

Tgt Ion:105 Resp: 1308157

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)

1200000

1000000

800000

600000

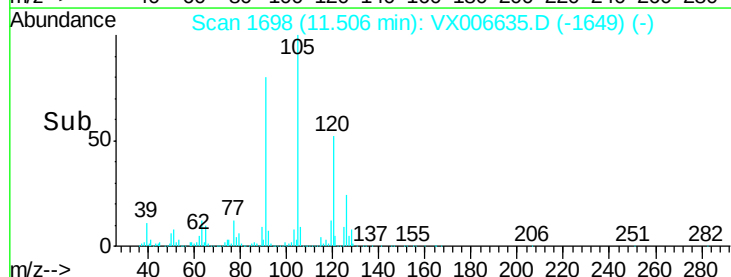
400000

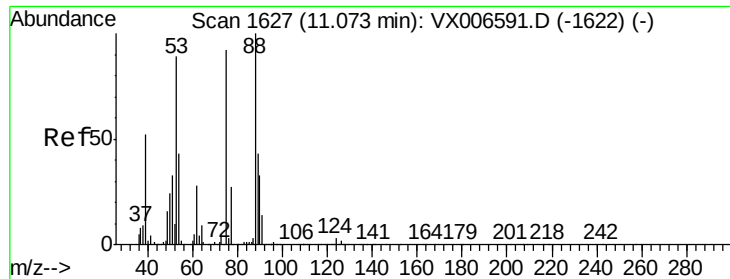
200000

0

11.50 11.60

Time-->





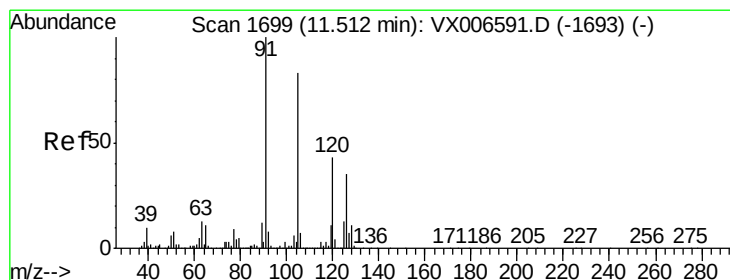
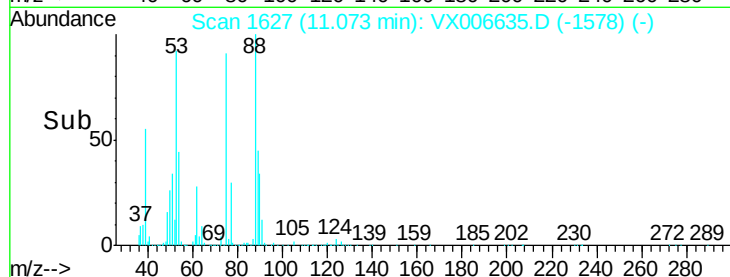
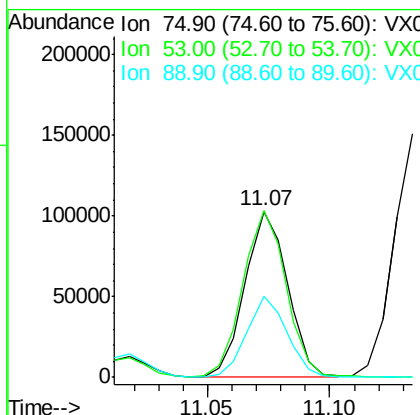
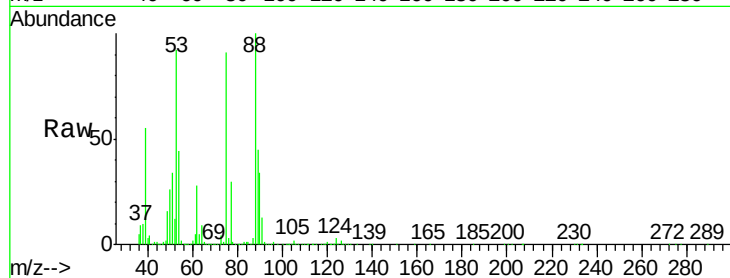
#81
trans-1,4-Dichloro-2-butene
Concen: 44.749 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	79.7	119.5
89	46.7	38.0	57.0

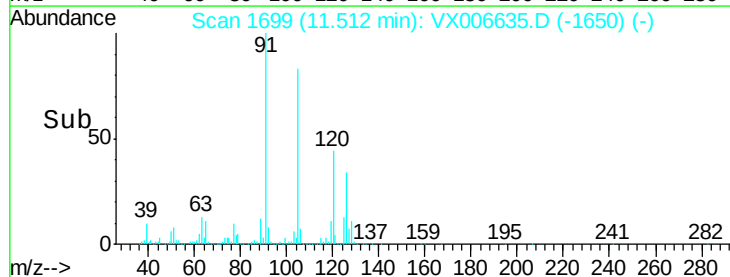
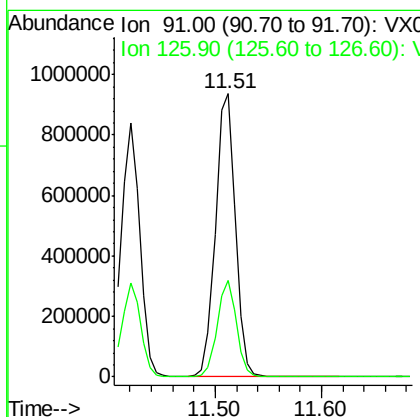
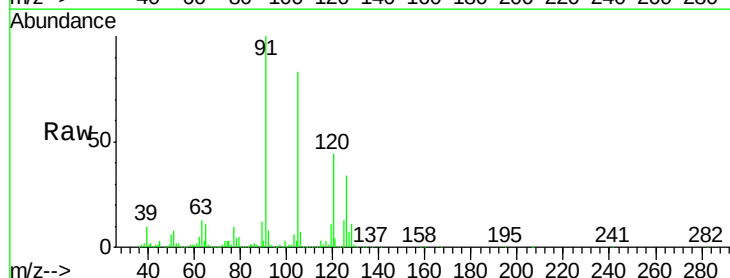
Manual Integrations
APPROVED

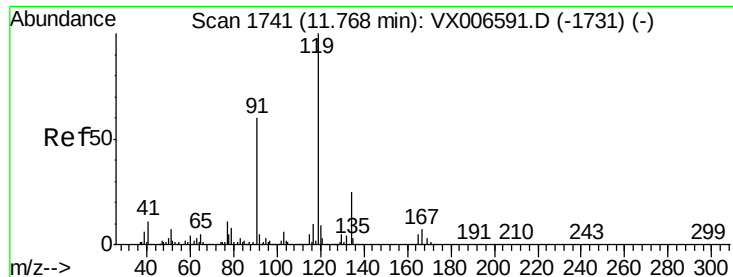
MMDadoda
12/20/2018 10:00:18 AM



#82
4-Chlorotoluene
Concen: 50.326 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006635.D
Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.9





#83

tert-Butylbenzene

Concen: 50.892 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1316003

Ion Ratio Lower Upper

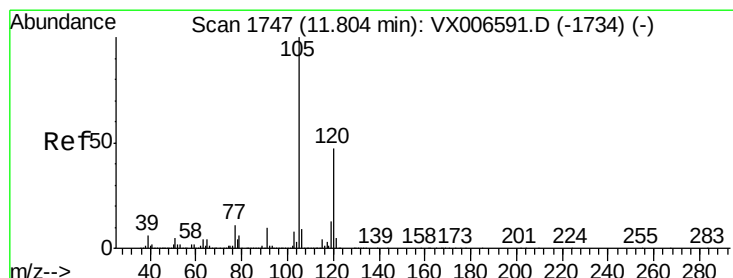
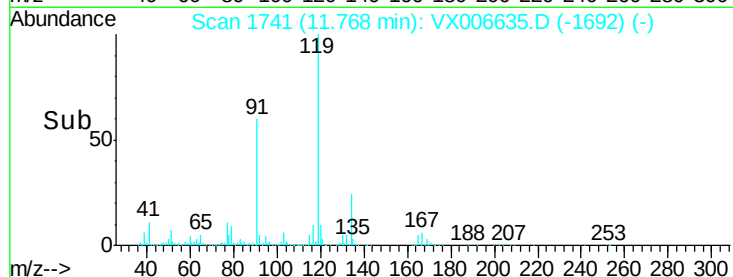
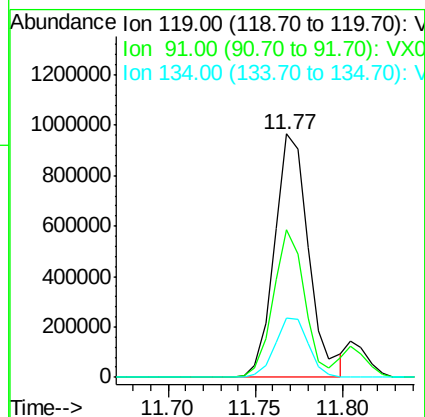
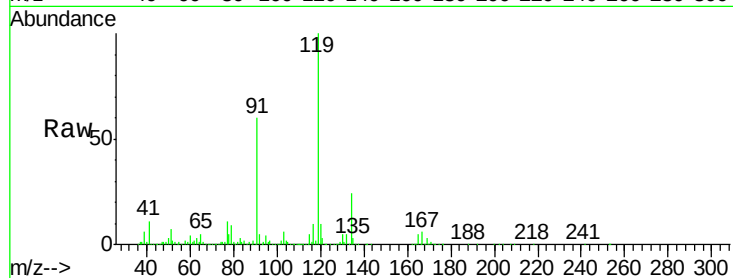
119 100

91 55.3 27.7 83.1

134 23.9 11.9 35.5

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#84

1,2,4-Trimethylbenzene

Concen: 49.634 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006635.D

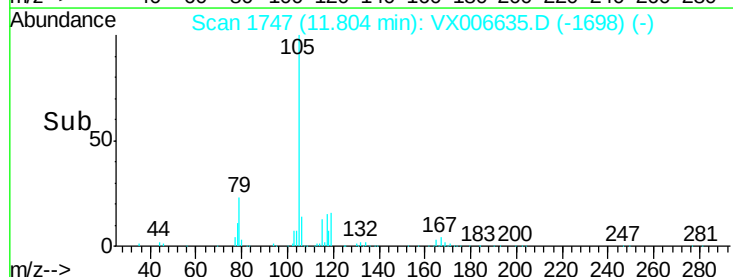
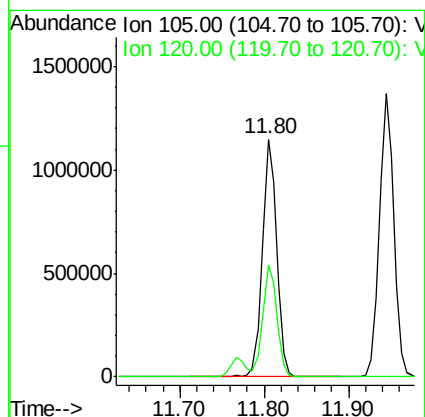
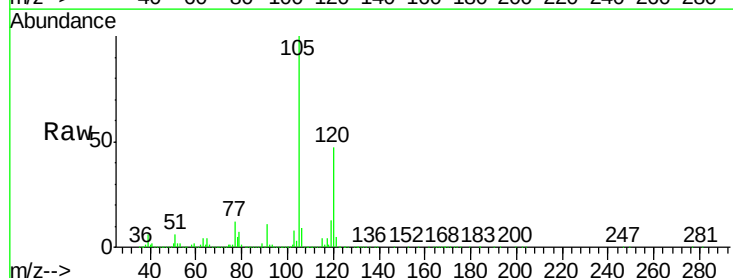
Acq: 19 Dec 2018 14:22

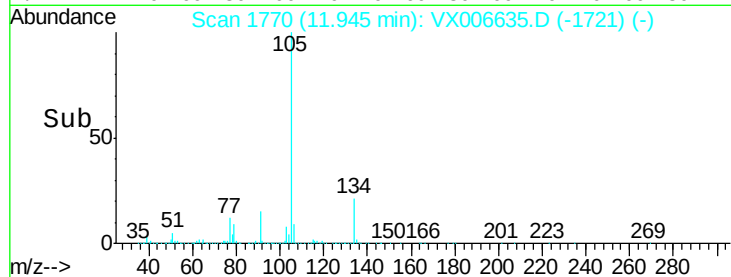
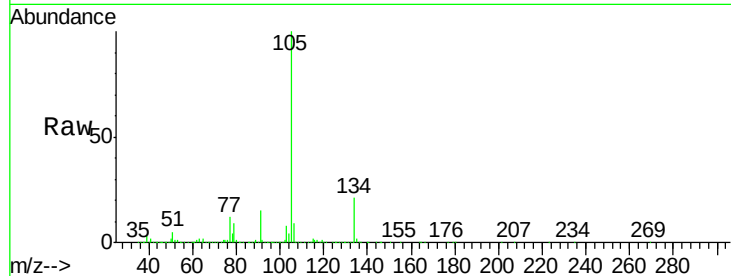
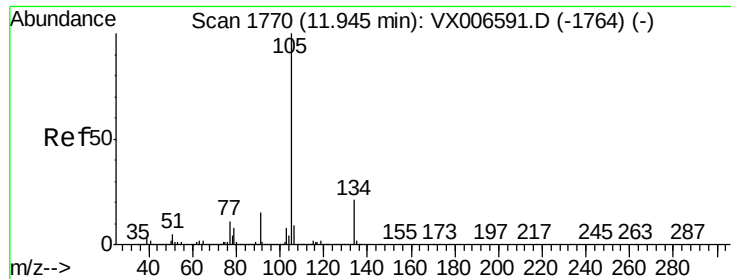
Tgt Ion:105 Resp: 1348854

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 51.188 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tot Ion:105 Resp: 1622892

Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9

Instrument :

MSVOA_X

ClientSampleId :

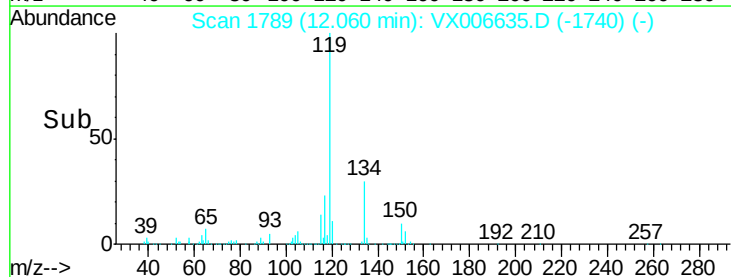
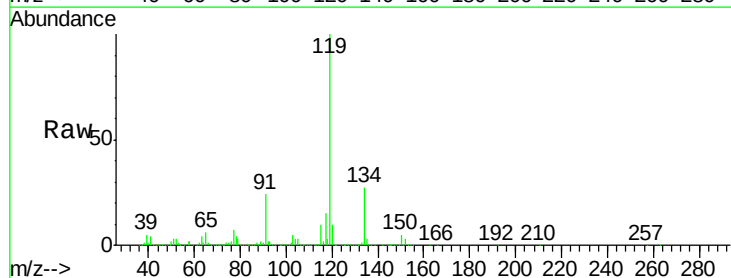
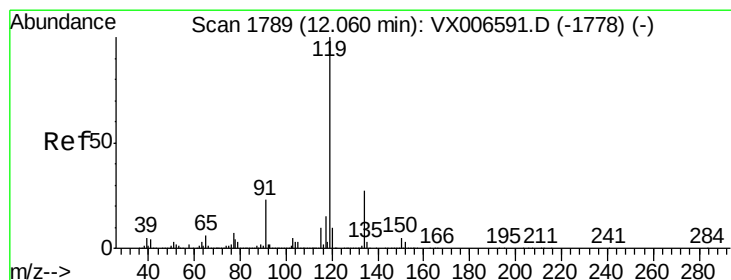
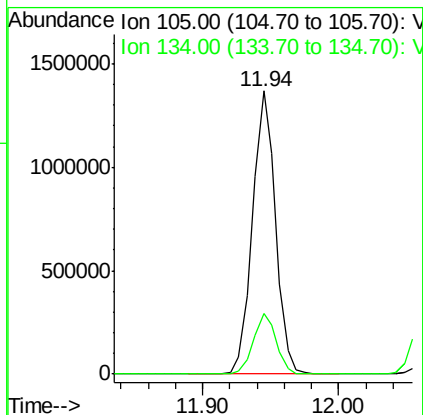
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

12/20/2018 10:00:18 AM



#86

p-Isopropyltoluene

Concen: 51.765 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

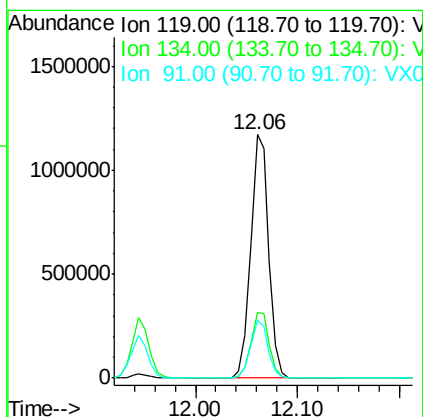
Tgt Ion:119 Resp: 1442659

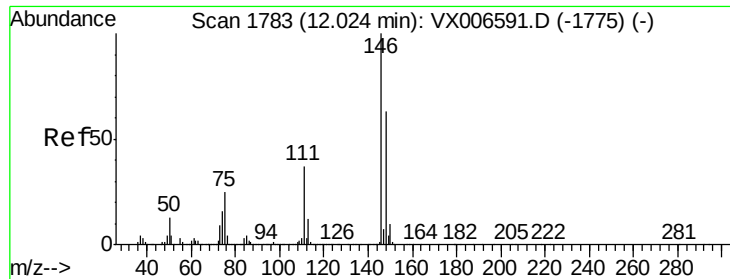
Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

91 23.0 11.3 33.9





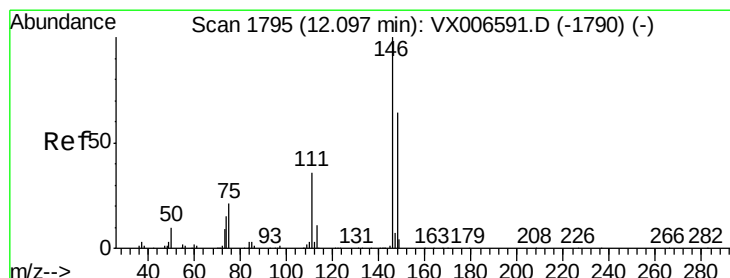
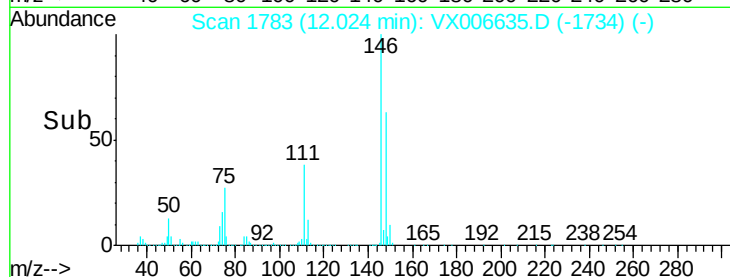
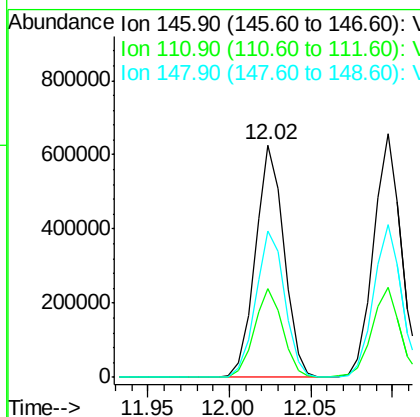
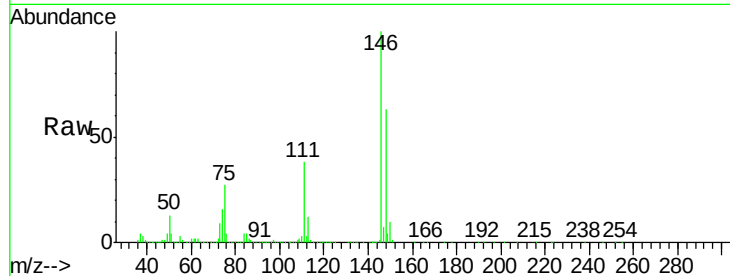
#87
 1,3-Dichlorobenzene
 Concen: 50.079 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.9	31.8	95.3

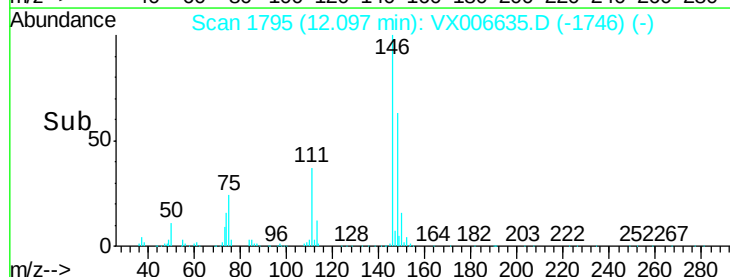
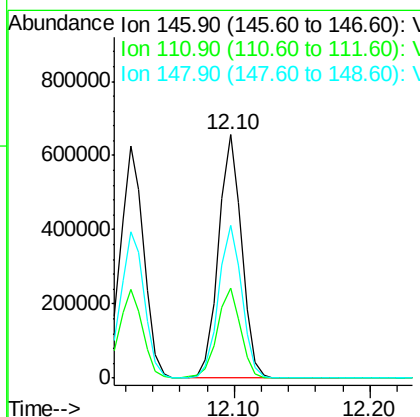
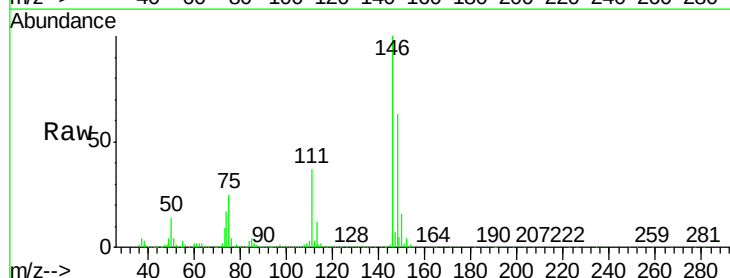
Manual Integrations
 APPROVED

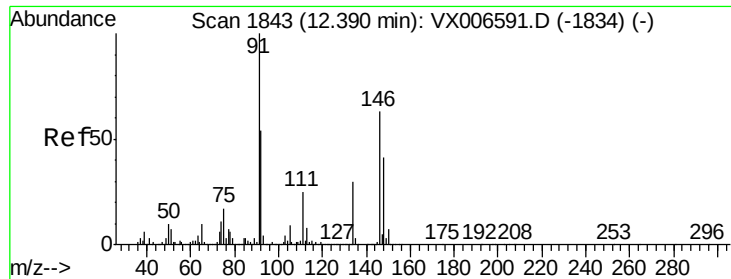
MMDadoda
 12/20/2018 10:00:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.256 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	63.4	31.9	95.9





#89

n-Butylbenzene

Concen: 53.763 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

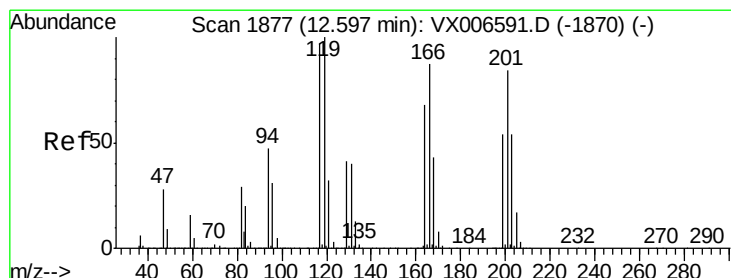
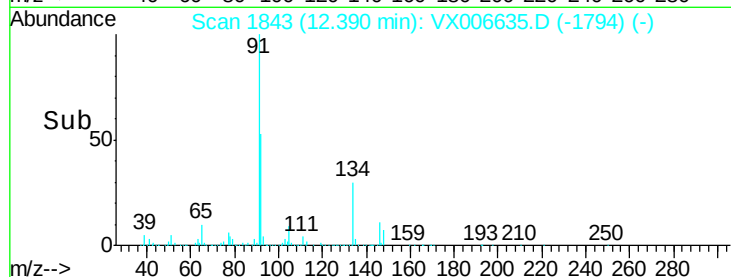
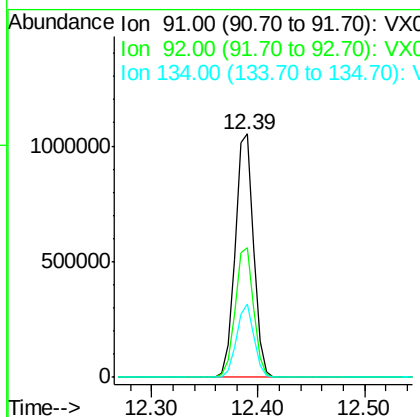
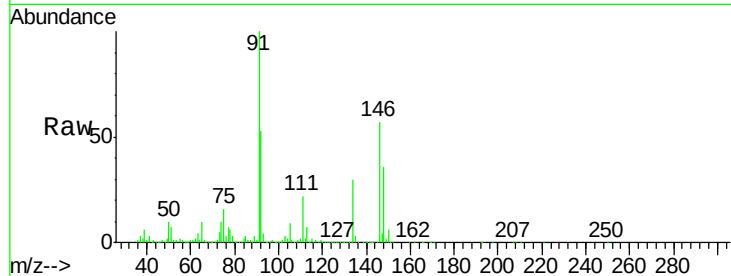
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	1275175
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	28.4	14.4	43.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#90

Hexachloroethane

Concen: 46.890 ug/l

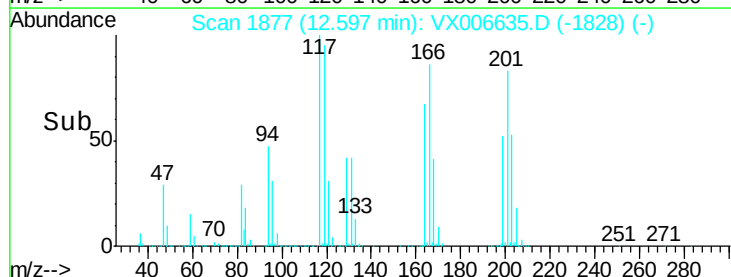
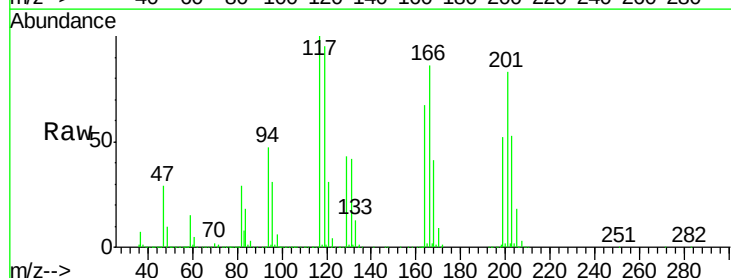
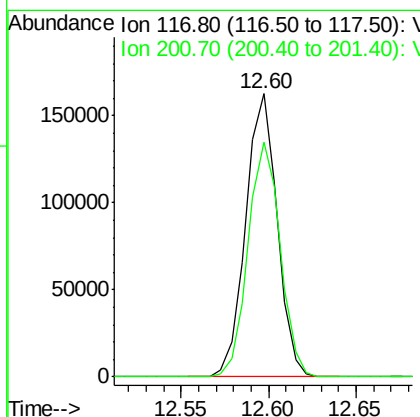
RT: 12.60 min Scan# 1877

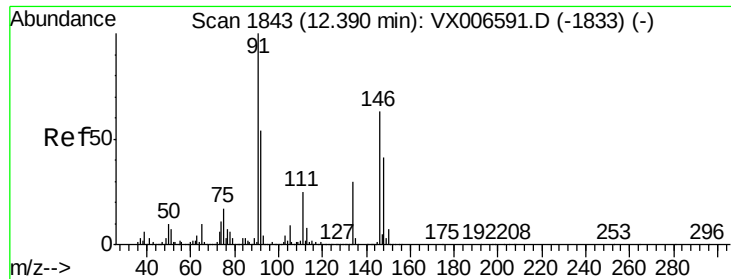
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	117	Resp:	203566
Ion	Ratio	Lower	Upper
117	100		
201	84.6	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 48.254 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

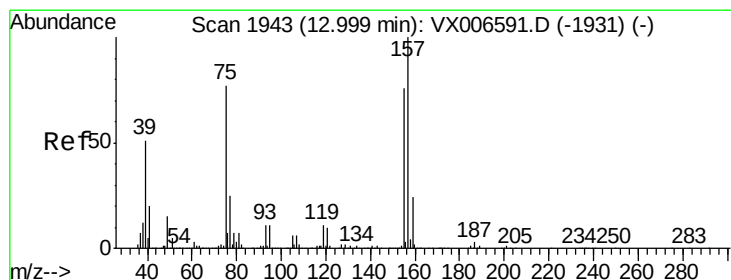
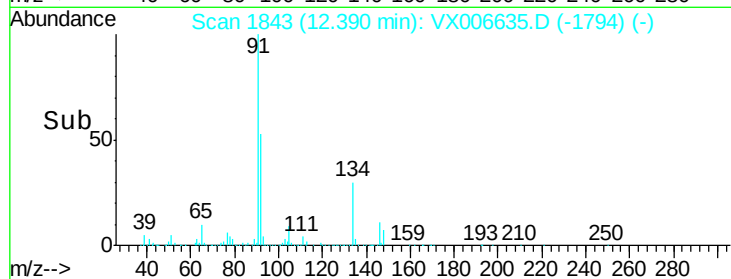
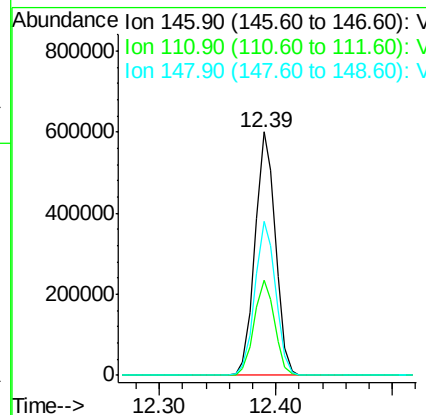
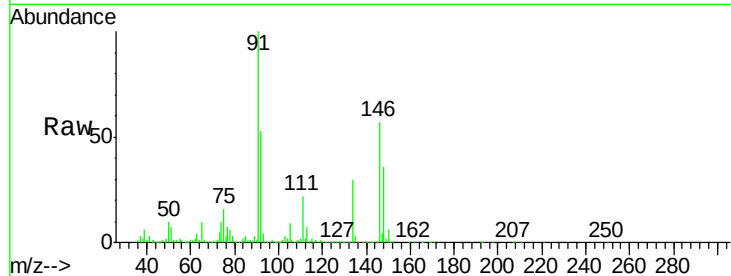
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	737777
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.4	58.2
148	64.2	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.199 ug/l

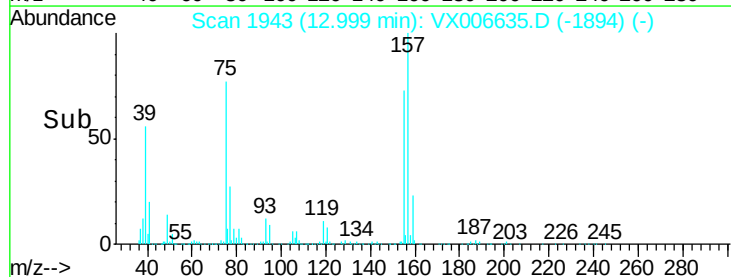
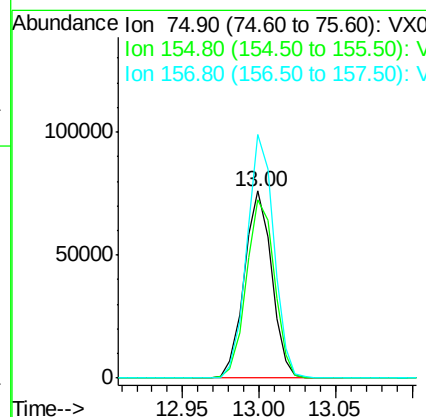
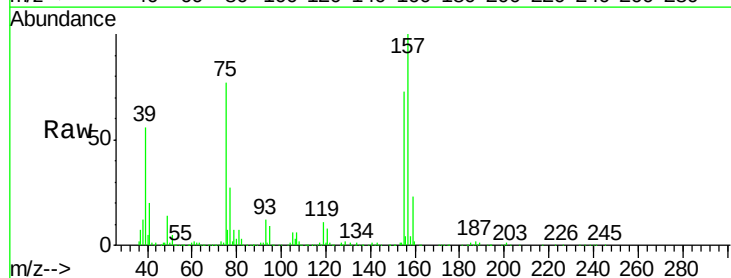
RT: 13.00 min Scan# 1943

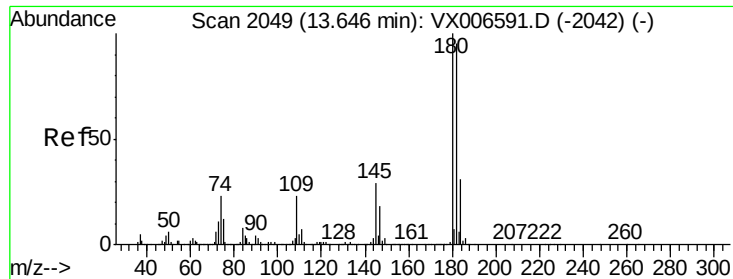
Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Tgt Ion:	75	Resp:	94968
Ion Ratio	Lower	Upper	
75	100		
155	97.6	50.6	151.8
157	126.9	64.6	193.8





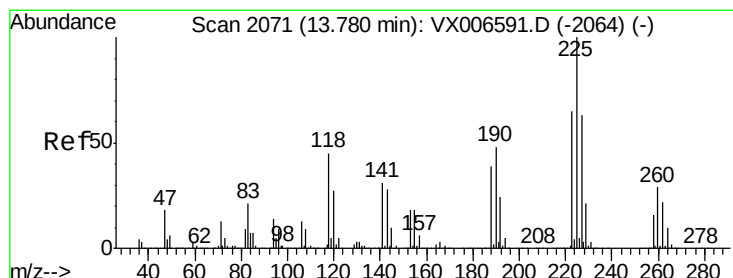
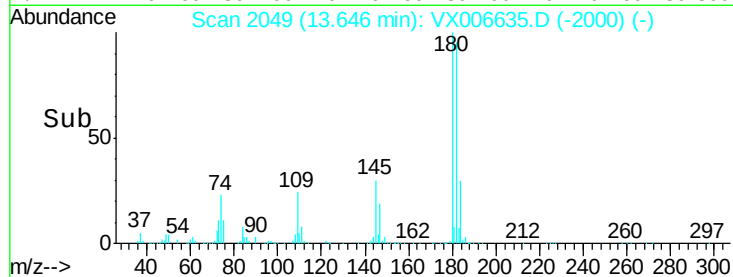
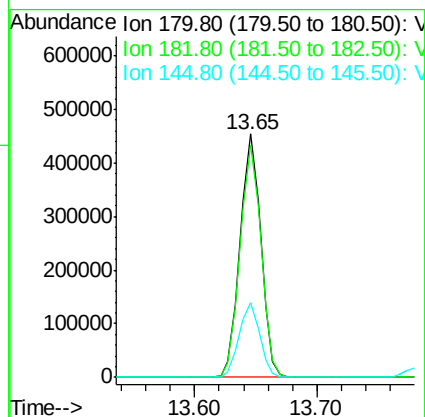
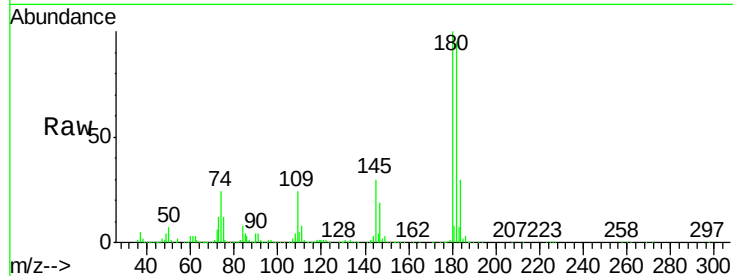
#93
 1,2,4-Trichlorobenzene
 Concen: 50.158 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	528998		
182	96.6	47.3	142.0	
145	30.8	14.8	44.3	

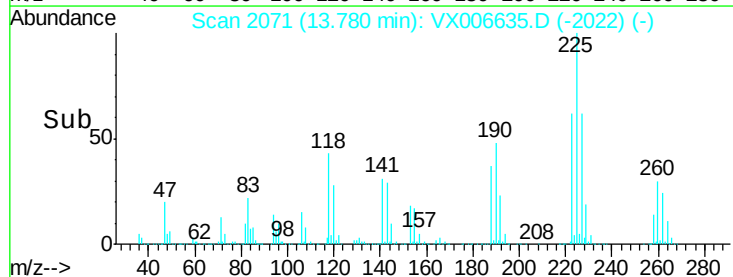
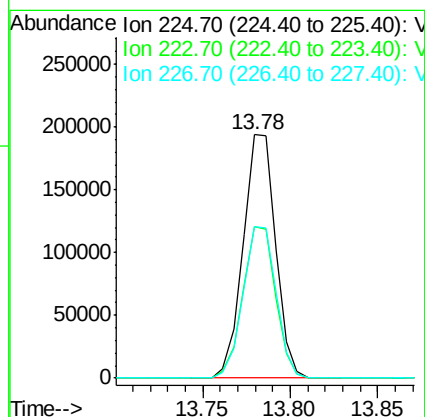
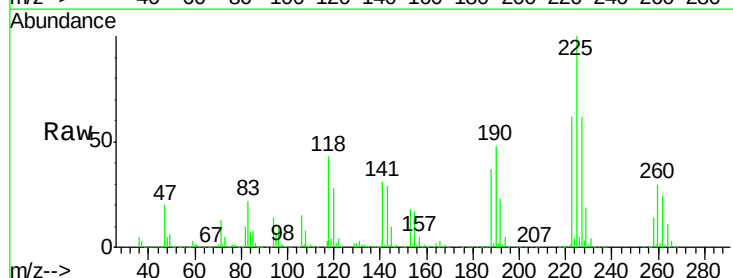
Manual Integrations
 APPROVED

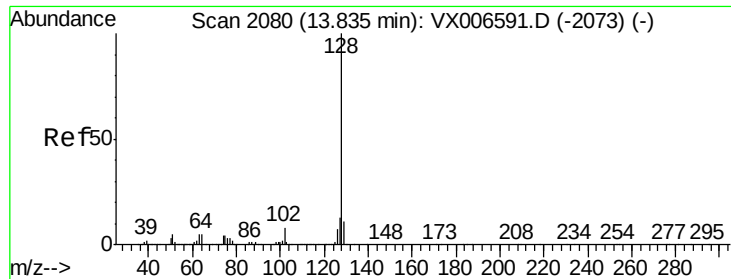
MMDadoda
 12/20/2018 10:00:18 AM



#94
 Hexachlorobutadiene
 Concen: 50.438 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006635.D
 Acq: 19 Dec 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	250731		
223	62.8	32.1	96.3	
227	63.3	32.3	96.8	





#95

Naphthalene

Concen: 48.790 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1642312

Ion Ratio Lower Upper

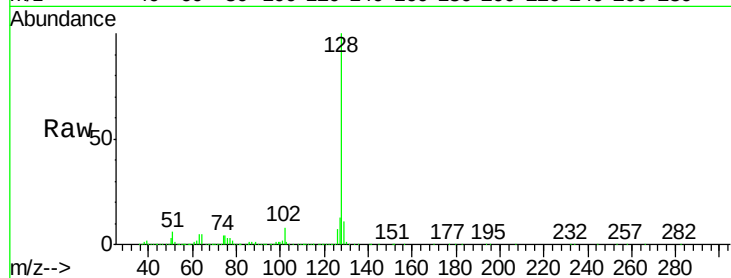
128 100

127 12.9 10.1 15.1

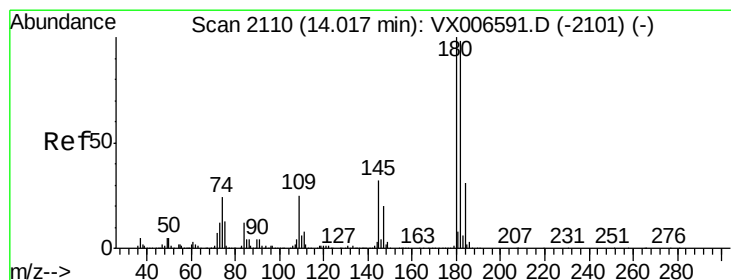
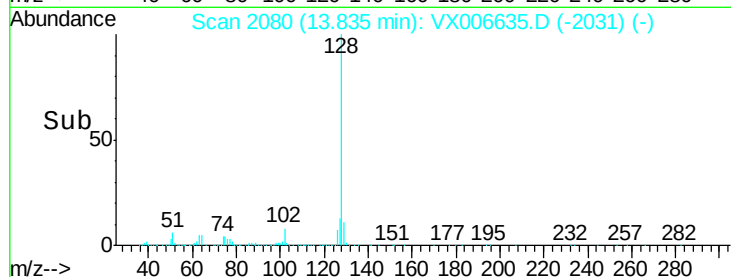
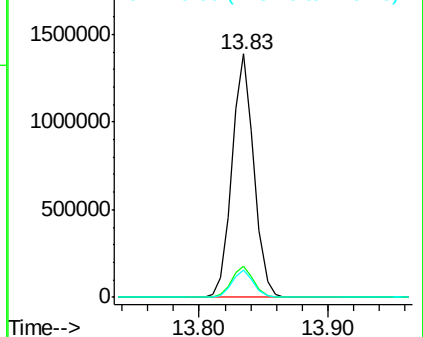
129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:18 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.859 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006635.D

Acq: 19 Dec 2018 14:22

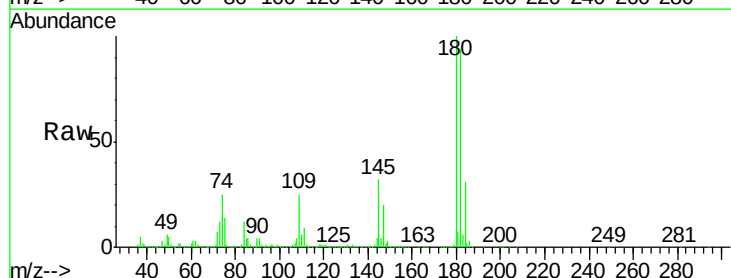
Tgt Ion:180 Resp: 532033

Ion Ratio Lower Upper

180 100

182 93.8 48.5 145.5

145 31.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

