

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121118\
 Data File : VX006435.D
 Acq On : 11 Dec 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:28 AM

Quant Time: Dec 12 04:44:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	605918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	923351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	842878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	317860	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	5.51	113	303100	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.71	98	1085323	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.14	95	418164	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	295737	49.848	ug/l	100
3) Chloromethane	1.33	50	281158	46.116	ug/l	94
4) Vinyl Chloride	1.41	62	313098	47.716	ug/l	97
5) Bromomethane	1.64	94	267011	58.717	ug/l	99
6) Chloroethane	1.71	64	197639	49.125	ug/l	99
7) Trichlorofluoromethane	1.93	101	492926	48.939	ug/l	98
8) Diethyl Ether	2.19	74	192676	50.545	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	286470	50.018	ug/l	98
10) Methyl Iodide	2.51	142	450583	52.204	ug/l	98
11) Tert butyl alcohol	3.08	59	402487	237.935	ug/l	100
12) 1,1-Dichloroethene	2.37	96	267596	48.807	ug/l	93
13) Acrolein	2.30	56	226795	245.301	ug/l	98
14) Allyl chloride	2.73	41	478227	44.155	ug/l	99
15) Acrylonitrile	3.15	53	882139	249.903	ug/l	100
16) Acetone	2.45	43	729637	251.357	ug/l	97
17) Carbon Disulfide	2.57	76	648127	38.363	ug/l	100
18) Methyl Acetate	2.78	43	519589	53.524	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	983763	50.297	ug/l	98
20) Methylene Chloride	2.86	84	304518	49.292	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	284452	48.685	ug/l	90
22) Diisopropyl ether	3.87	45	860268	50.853	ug/l	98
23) Vinyl Acetate	3.82	43	3507481	243.091	ug/l	99
24) 1,1-Dichloroethane	3.70	63	505111	52.239	ug/l	98
25) 2-Butanone	4.70	43	1074262	259.367	ug/l	97
26) 2,2-Dichloropropane	4.59	77	379533	42.531	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	333806	51.219	ug/l	97
28) Bromochloromethane	5.02	49	218446	51.722	ug/l	99
29) Tetrahydrofuran	5.15	42	715074	248.411	ug/l	97
30) Chloroform	5.21	83	521863	51.358	ug/l	97
31) Cyclohexane	5.57	56	417991	46.777	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	471299	48.748	ug/l	100
36) 1,1-Dichloropropene	5.80	75	375679	48.315	ug/l	100
37) Ethyl Acetate	4.85	43	412891	47.417	ug/l	99
38) Carbon Tetrachloride	5.79	117	412634	45.110	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006435.D
 Acq On : 11 Dec 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:28 AM

Quant Time: Dec 12 04:44:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	468593	46.428	ug/l	100
40) Benzene	6.15	78	1149010	49.338	ug/l	99
41) Methacrylonitrile	5.06	41	227429	47.466	ug/l	98
42) 1,2-Dichloroethane	6.20	62	387328	50.818	ug/l	99
43) Isopropyl Acetate	6.46	43	672247	46.304	ug/l	98
44) Trichloroethene	7.21	130	343615	48.705	ug/l	96
45) 1,2-Dichloropropane	7.52	63	293425	49.575	ug/l	100
46) Dibromomethane	7.66	93	210246	49.184	ug/l	98
47) Bromodichloromethane	7.90	83	392837	47.455	ug/l	100
48) Methyl methacrylate	7.77	41	337209	47.744	ug/l	98
49) 1,4-Dioxane	7.76	88	171321	984.178	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2079761	246.078	ug/l	98
52) Toluene	8.79	92	763937	49.861	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	432403	44.664	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	465415	46.297	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	324249	52.093	ug/l	99
56) Ethyl methacrylate	9.18	69	480018	49.330	ug/l	98
57) 1,3-Dichloropropane	9.37	76	509516	51.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1199669	242.951	ug/l	99
59) 2-Hexanone	9.49	43	1569496	243.066	ug/l	99
60) Dibromochloromethane	9.58	129	356800	46.487	ug/l	99
61) 1,2-Dibromoethane	9.67	107	349397	50.202	ug/l	100
64) Tetrachloroethene	9.33	164	309330	48.732	ug/l	96
65) Chlorobenzene	10.14	112	908144	50.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	333916	48.033	ug/l	99
67) Ethyl Benzene	10.25	91	1486983	49.968	ug/l	99
68) m/p-Xylenes	10.36	106	1183372	99.272	ug/l	99
69) o-Xylene	10.70	106	588740	50.001	ug/l	98
70) Styrene	10.71	104	945271	49.637	ug/l	99
71) Bromoform	10.86	173	276902	42.195	ug/l #	100
73) Isopropylbenzene	11.02	105	1554861	51.099	ug/l	100
74) N-amyl acetate	10.90	43	595212	45.425	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	485607	49.884	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	440993m	51.853	ug/l	
77) Bromobenzene	11.26	156	423275	50.125	ug/l	99
78) n-propylbenzene	11.36	91	1693057	50.055	ug/l	100
79) 2-Chlorotoluene	11.42	91	1009403	50.210	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1265119	49.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	147078	40.584	ug/l	90
82) 4-Chlorotoluene	11.51	91	1147056	49.074	ug/l	100
83) tert-Butylbenzene	11.77	119	1344499	49.773	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1302799	49.835	ug/l	98
85) sec-Butylbenzene	11.94	105	1563278	50.870	ug/l	100
86) p-Isopropyltoluene	12.07	119	1403588	50.723	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	753417	50.142	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	748835	49.102	ug/l	99
89) n-Butylbenzene	12.39	91	1171034	49.597	ug/l	99
90) Hexachloroethane	12.60	117	244653	43.379	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	741279	49.709	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	106823	42.808	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121118\
Data File : VX006435.D
Acq On : 11 Dec 2018 21:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM

Quant Time: Dec 12 04:44:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	533998	49.083	ug/l	99
94) Hexachlorobutadiene	13.78	225	239789	49.838	ug/l	99
95) Naphthalene	13.83	128	1709447	50.512	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	538789	50.000	ug/l	99

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

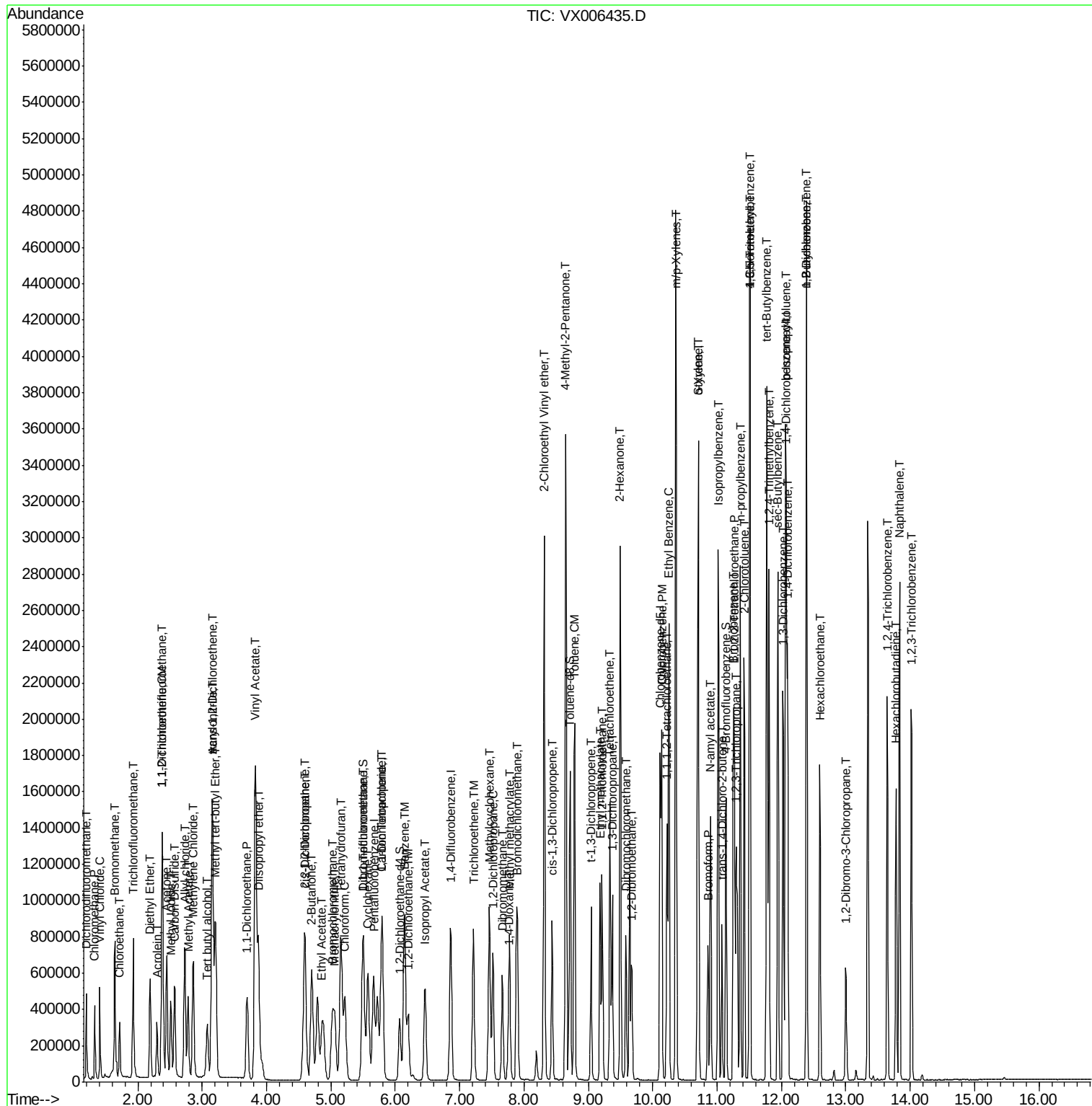
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006435.D
 Acq On : 11 Dec 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

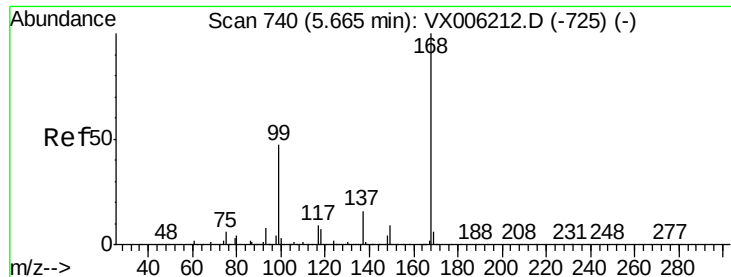
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:28 AM

Quant Time: Dec 12 04:44:39 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 605918

Ion Ratio Lower Upper

168 100

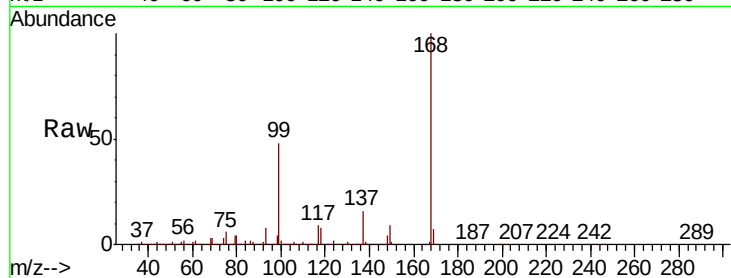
99 47.8 37.8 56.8

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

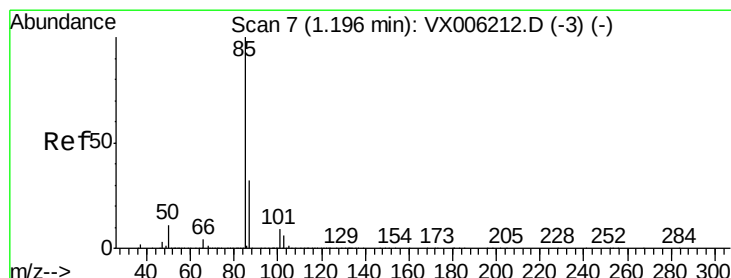
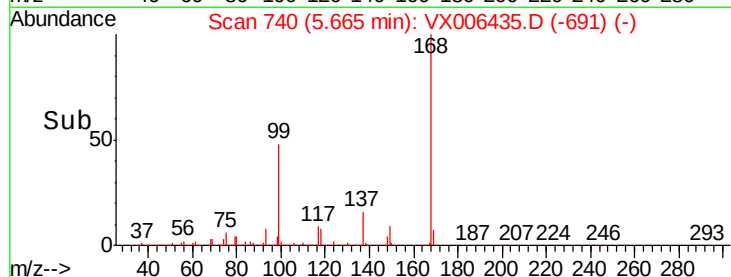
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.848 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006435.D

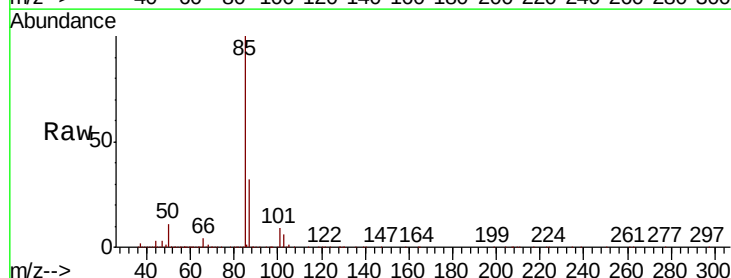
Acq: 11 Dec 2018 21:44

Tgt Ion: 85 Resp: 295737

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



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

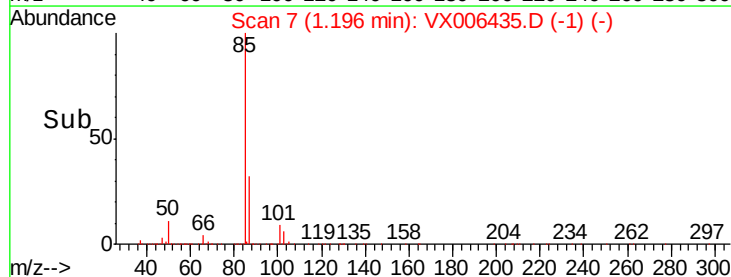
100000

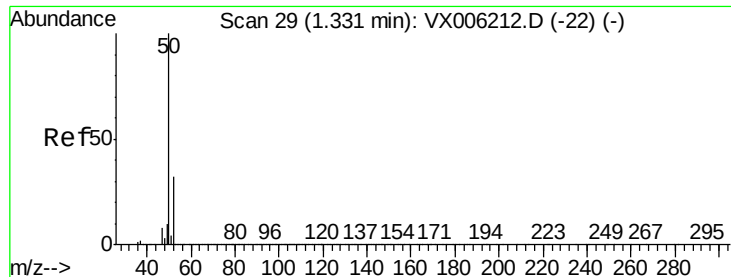
50000

0

1.15 1.20 1.25 1.30

Time-->





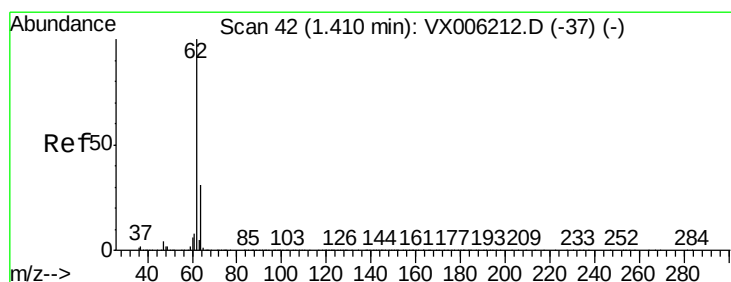
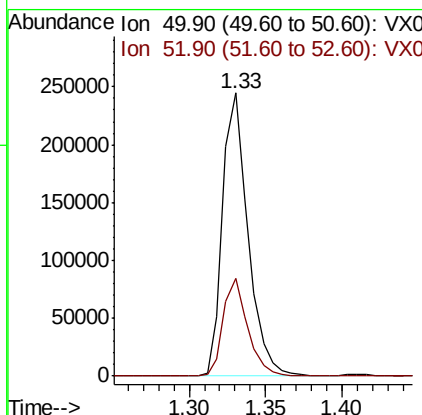
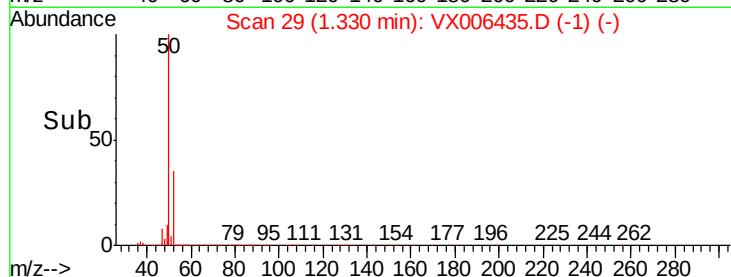
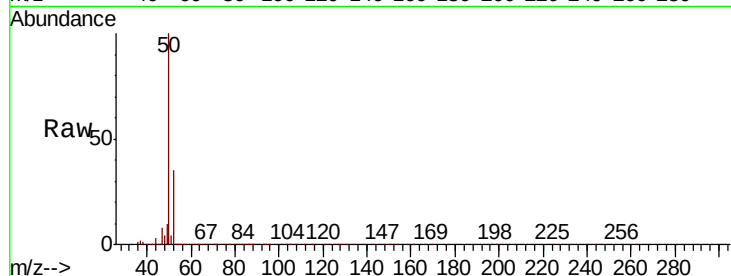
#3
Chloromethane
Concen: 46.116 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.2	37.8

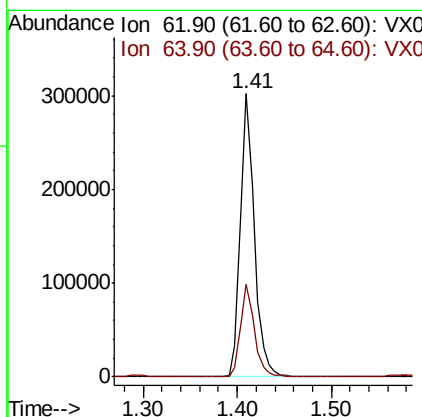
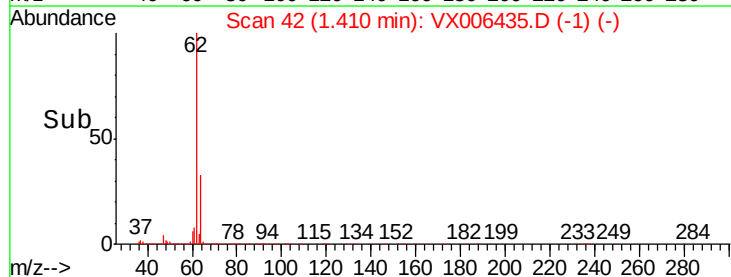
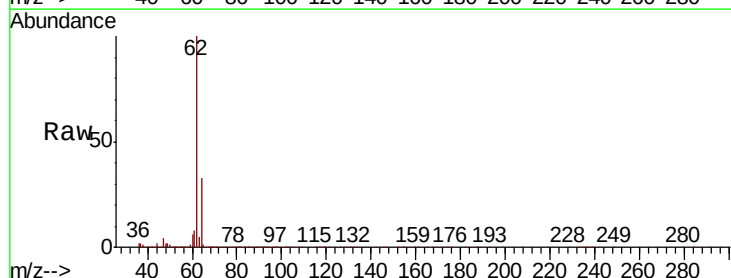
Manual Integrations
APPROVED

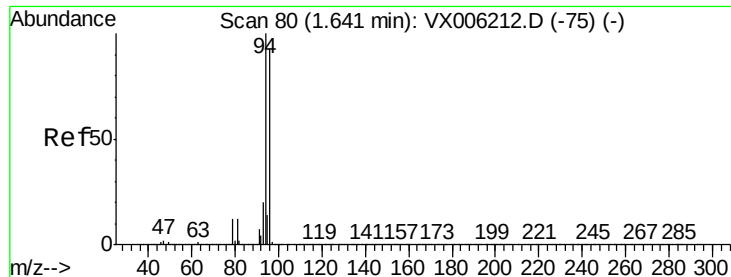
MMDadoda
12/12/2018 10:40:28 AM



#4
Vinyl Chloride
Concen: 47.716 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3





#5

Bromomethane

Concen: 58.717 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 267011

Ion Ratio Lower Upper

94 100

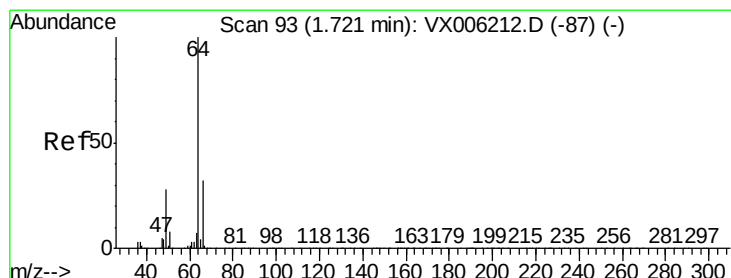
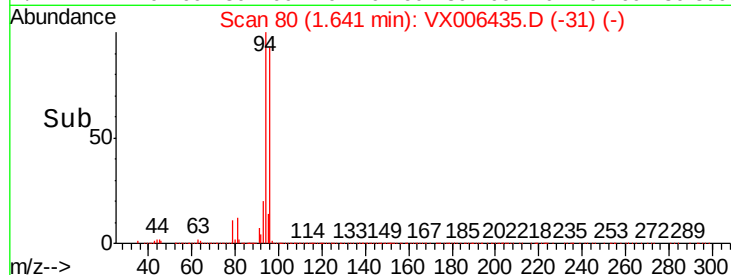
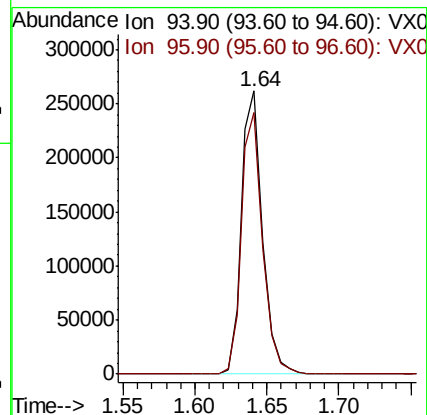
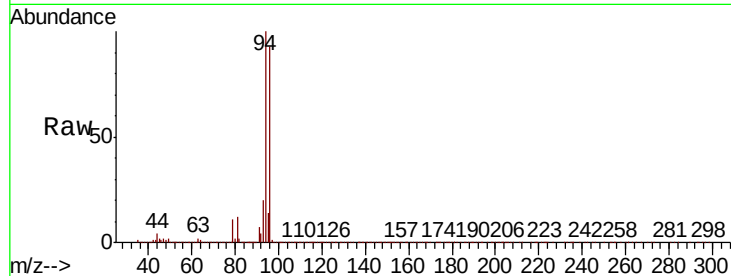
96 92.5 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



#6

Chloroethane

Concen: 49.125 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006435.D

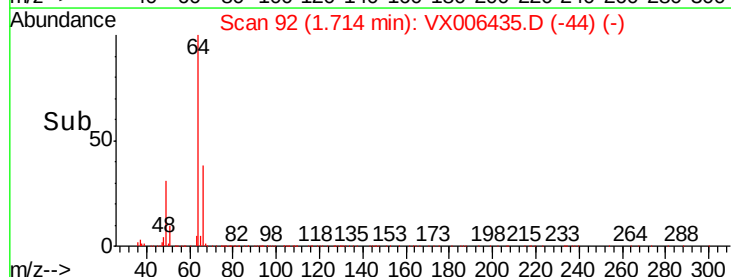
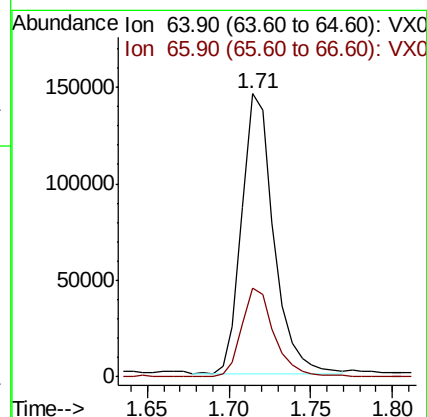
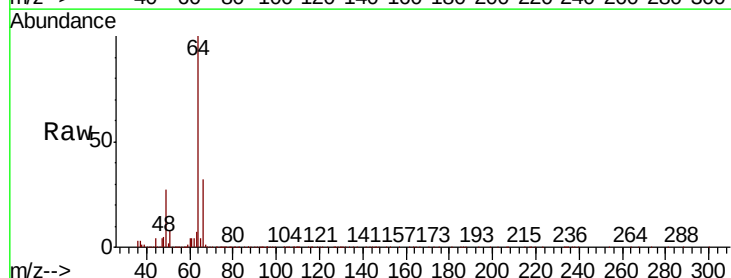
Acq: 11 Dec 2018 21:44

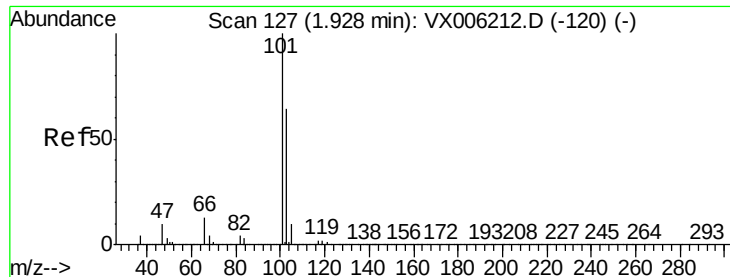
Tgt Ion: 64 Resp: 197639

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





#7

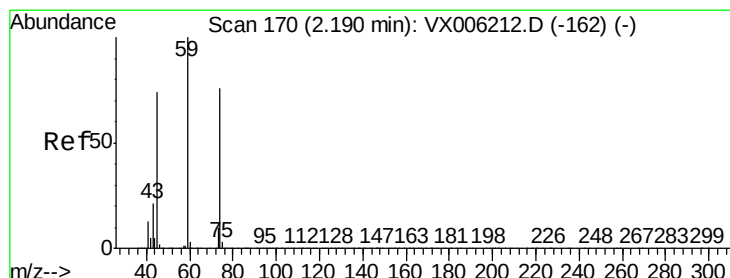
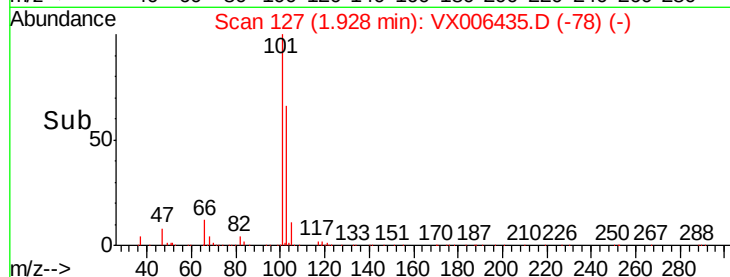
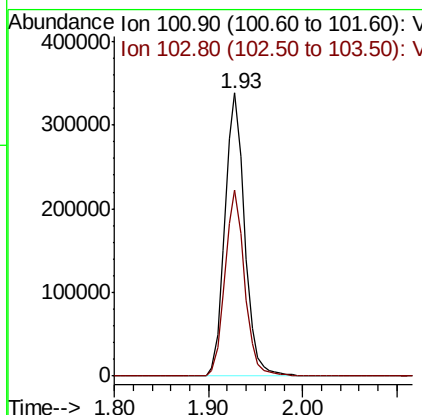
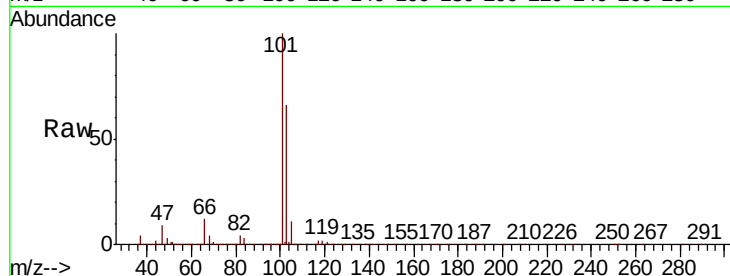
Trichlorofluoromethane
Concen: 48.939 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	492926		
103	65.6	51.0	76.4	

Manual Integrations
APPROVED

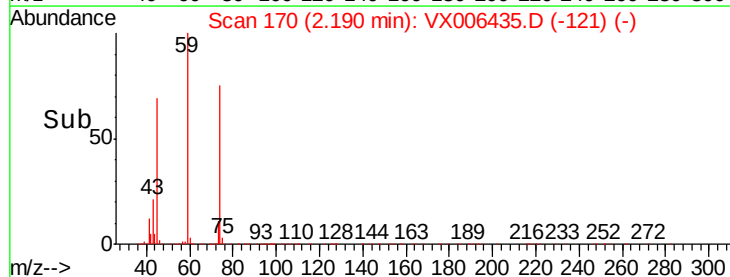
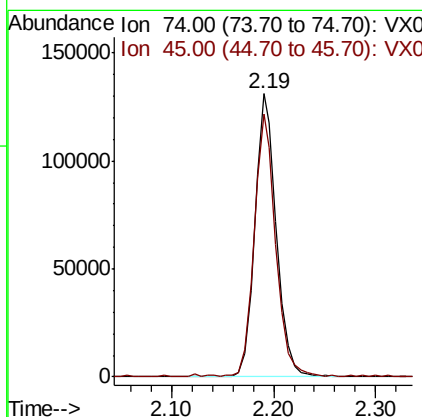
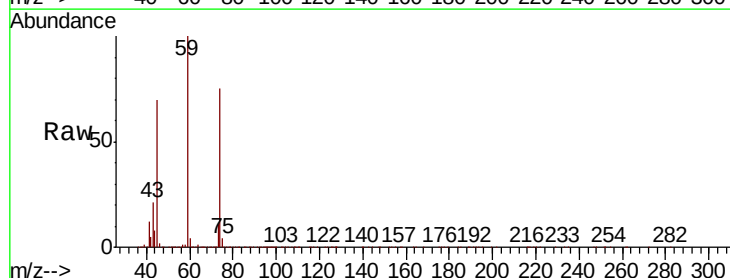
MMDadoda
12/12/2018 10:40:28 AM

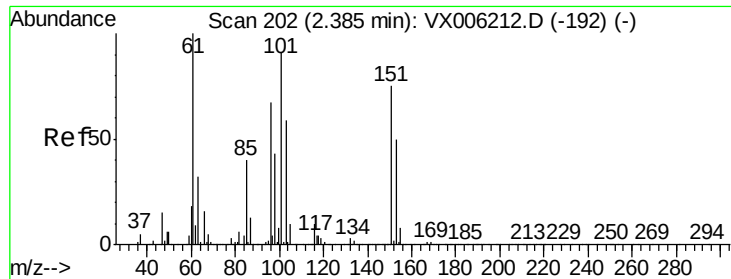


#8

Diethyl Ether
Concen: 50.545 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	192676		
45	92.7	49.5	148.7	





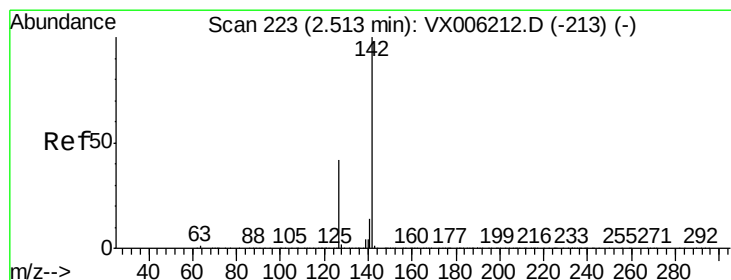
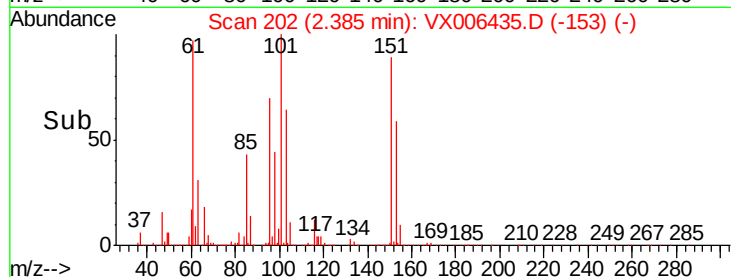
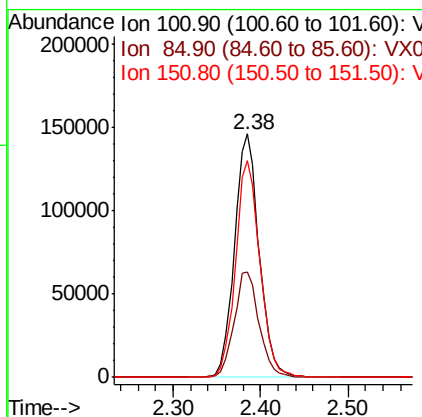
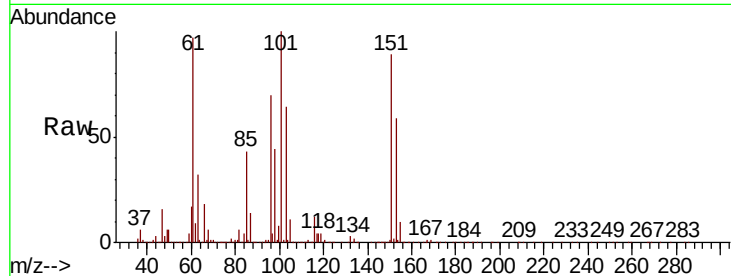
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.018 ug/l
RT: 2.38 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	88.1	68.6	103.0

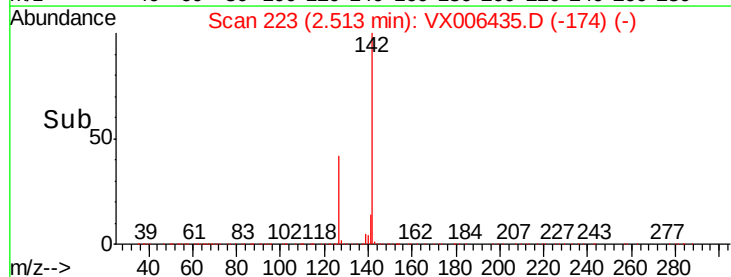
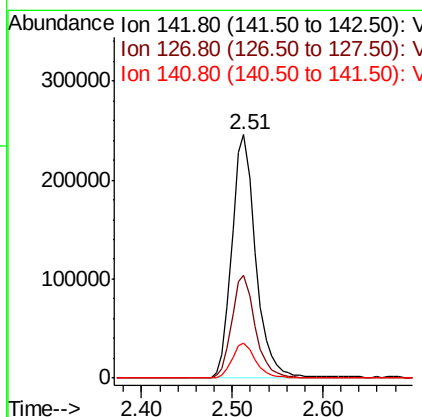
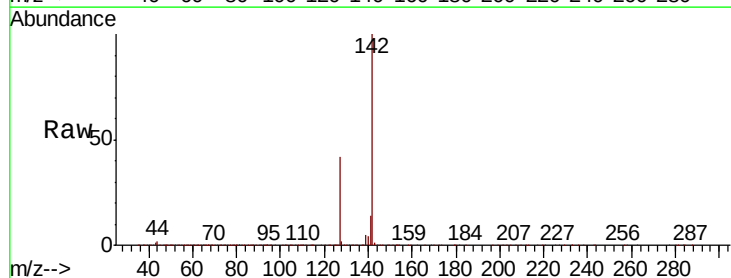
Manual Integrations
APPROVED

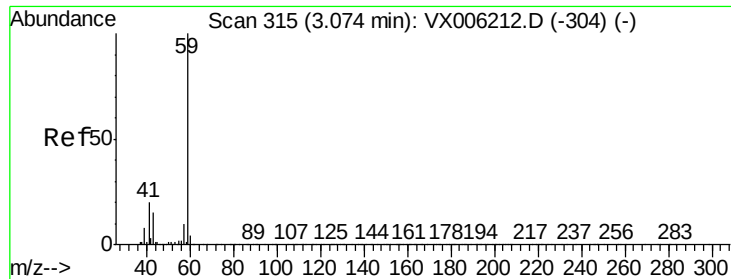
MMDadoda
12/12/2018 10:40:28 AM



#10
Methyl Iodide
Concen: 52.204 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	34.8	52.2
141	14.1	11.4	17.2





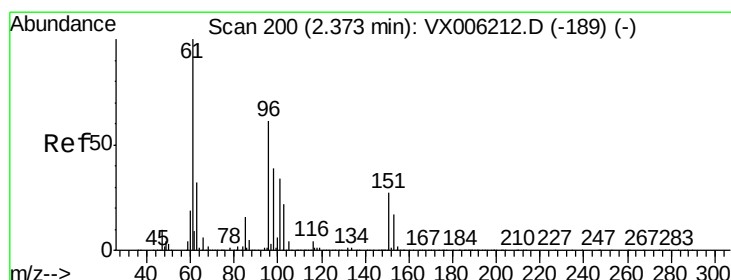
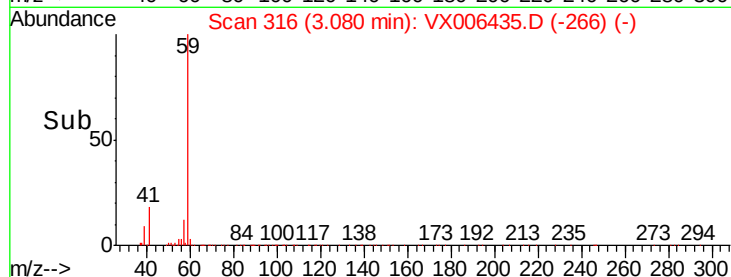
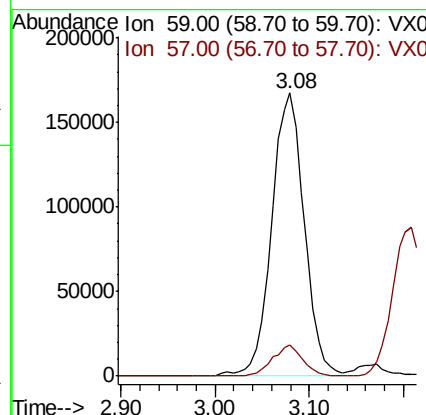
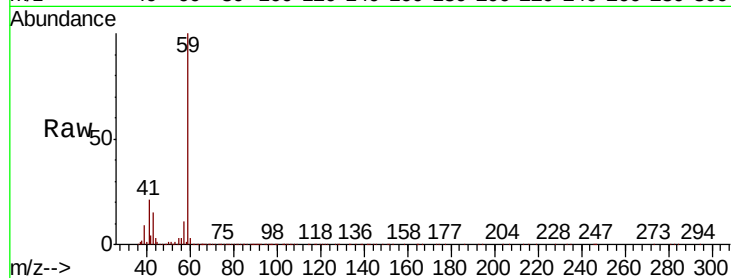
#11
Tert butyl alcohol
Concen: 237.935 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 402487
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

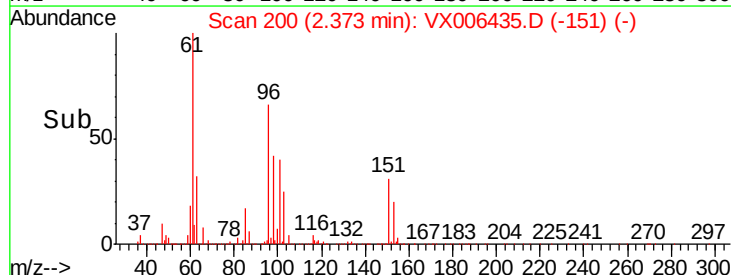
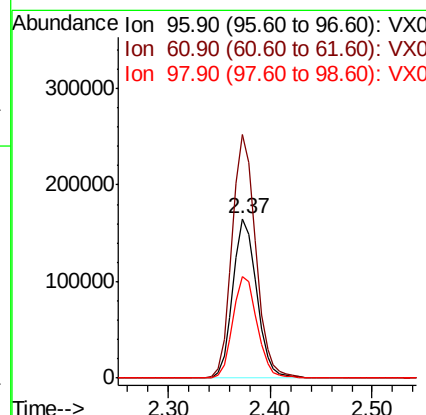
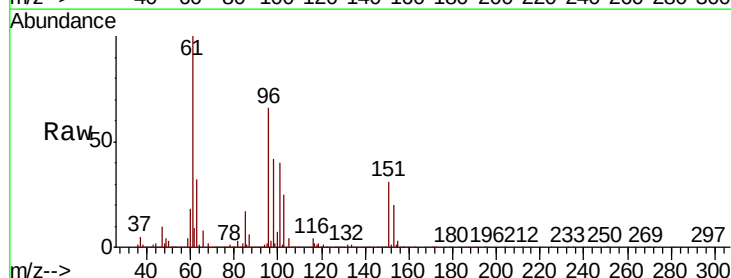
Manual Integrations
APPROVED

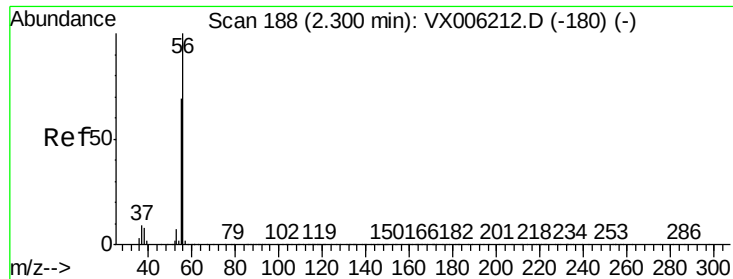
MMDadoda
12/12/2018 10:40:28 AM



#12
1,1-Dichloroethene
Concen: 48.807 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion: 96 Resp: 267596
Ion Ratio Lower Upper
96 100
61 152.5 131.7 197.5
98 63.5 51.8 77.6





#13

Acrolein

Concen: 245.301 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 226795

Ion Ratio Lower Upper

56 100

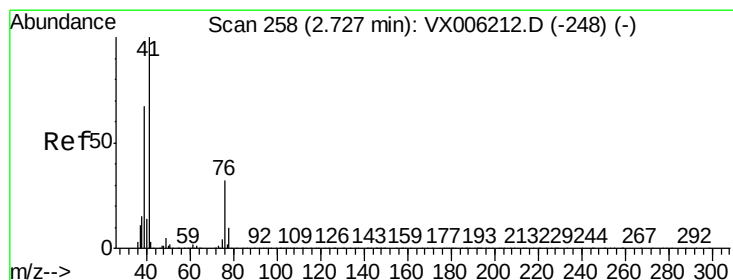
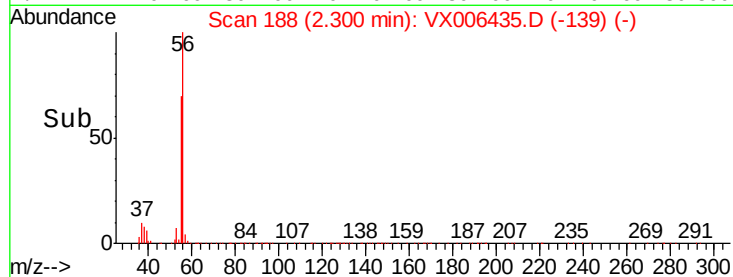
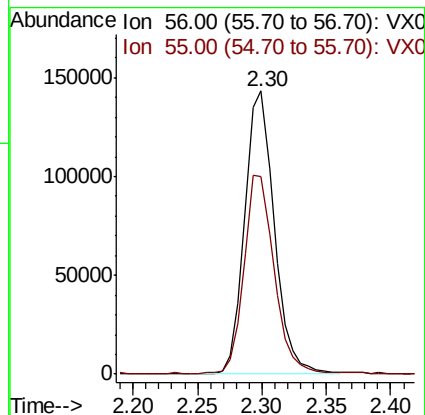
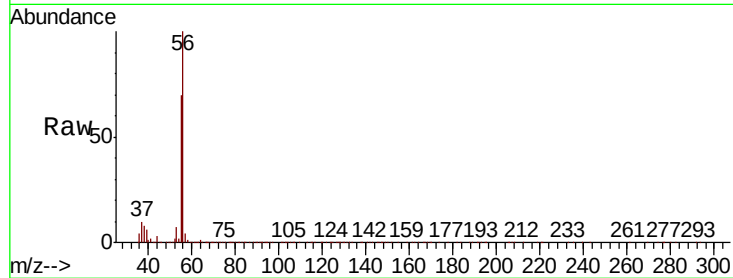
55 70.9 57.8 86.6

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



#14

Allyl chloride

Concen: 44.155 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

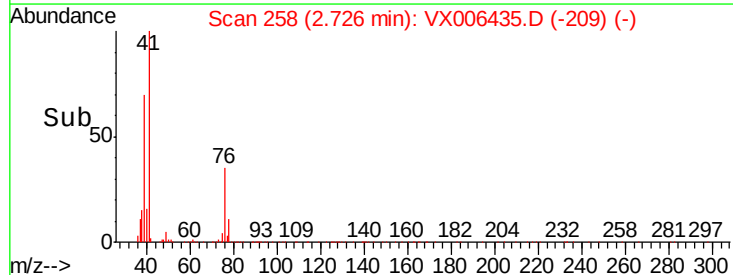
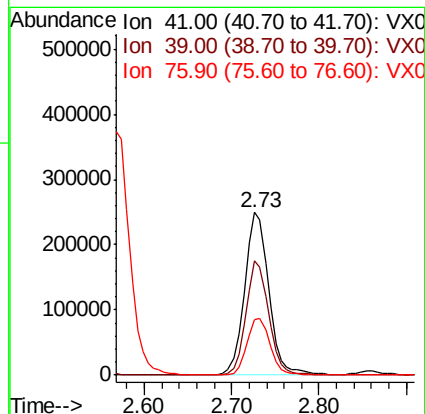
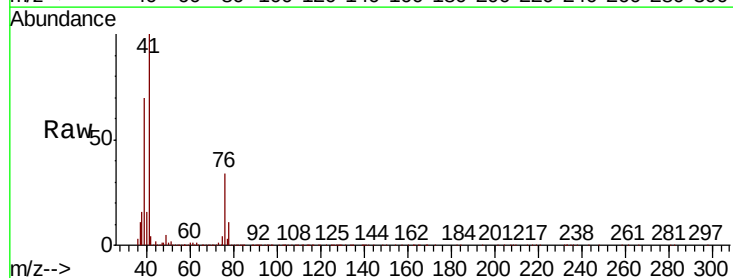
Tgt Ion: 41 Resp: 478227

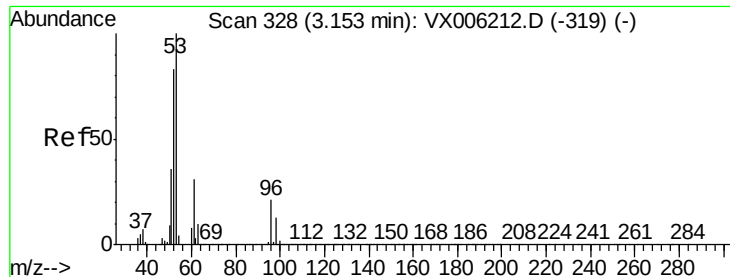
Ion Ratio Lower Upper

41 100

39 65.3 52.4 78.6

76 33.3 25.4 38.0





#15

Acrylonitrile

Concen: 249.903 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

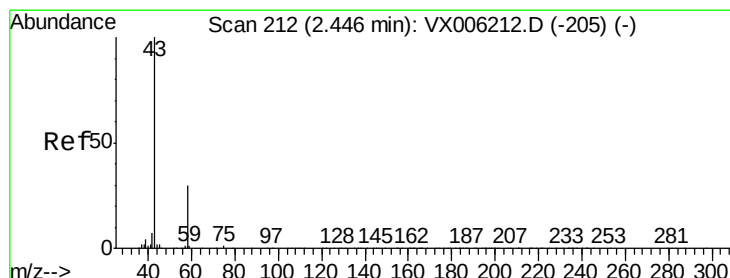
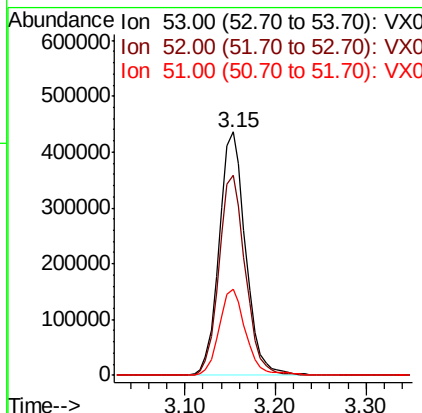
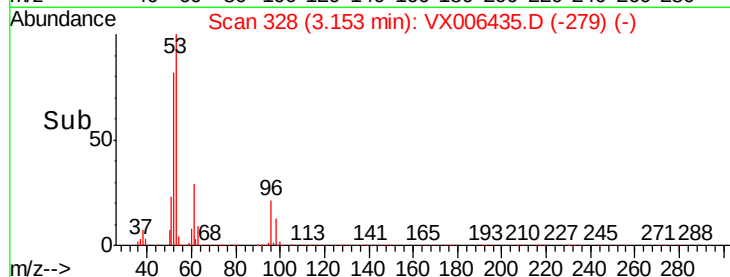
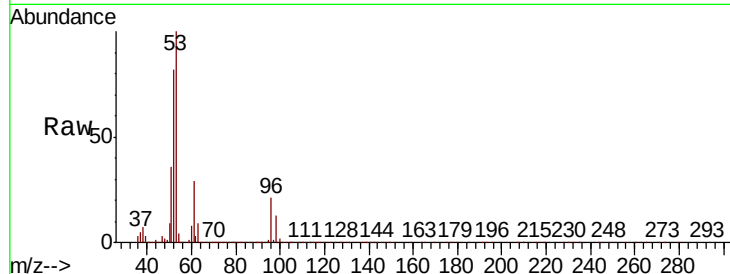
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	882139
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.9	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#16

Acetone

Concen: 251.357 ug/l

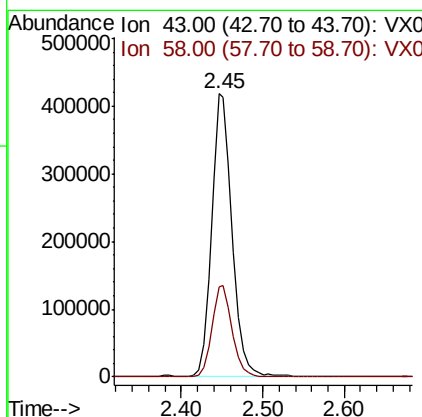
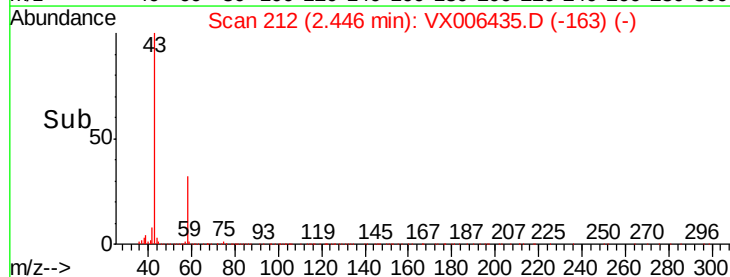
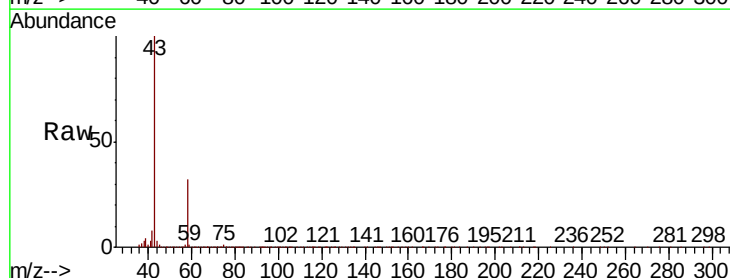
RT: 2.45 min Scan# 212

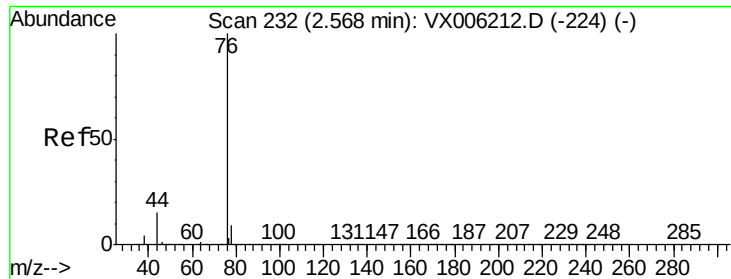
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	43	Resp:	729637
Ion Ratio		Lower	Upper
43	100		
58	31.6	24.0	36.0





#17

Carbon Disulfide

Concen: 38.363 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

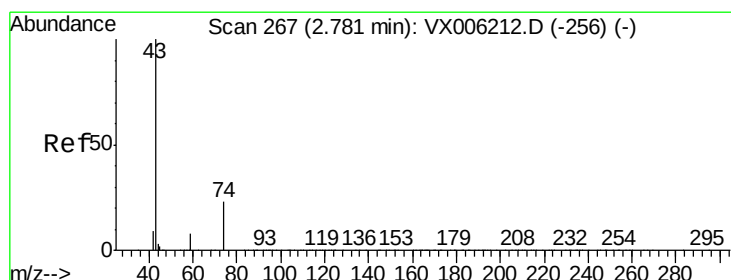
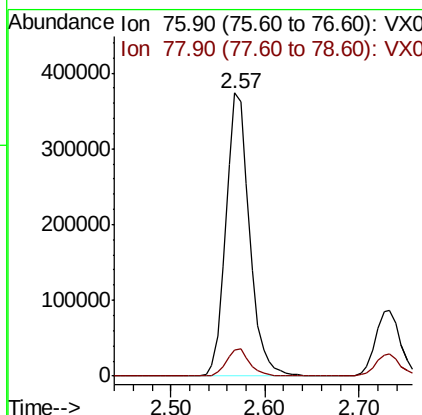
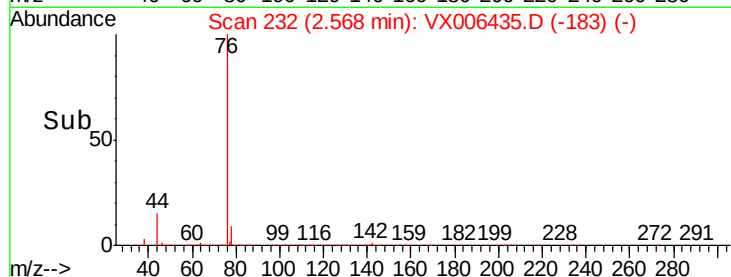
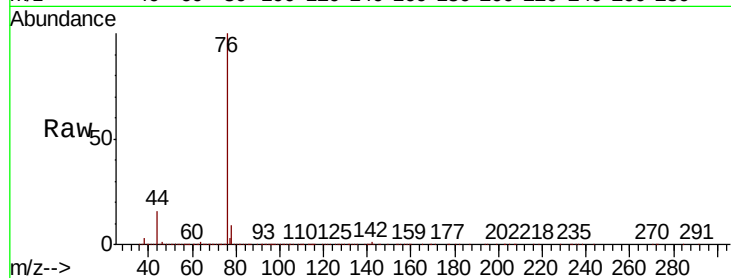
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#18

Methyl Acetate

Concen: 53.524 ug/l

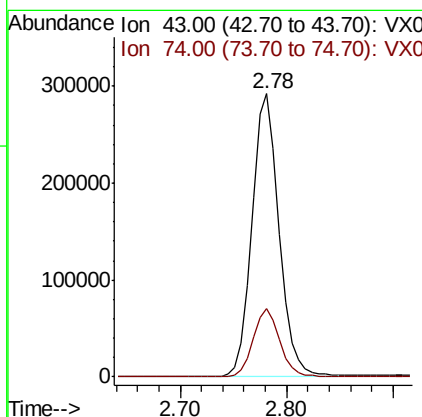
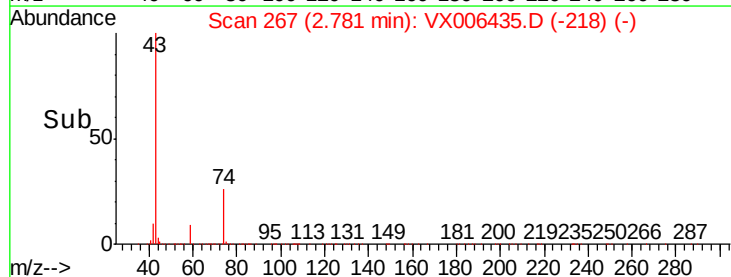
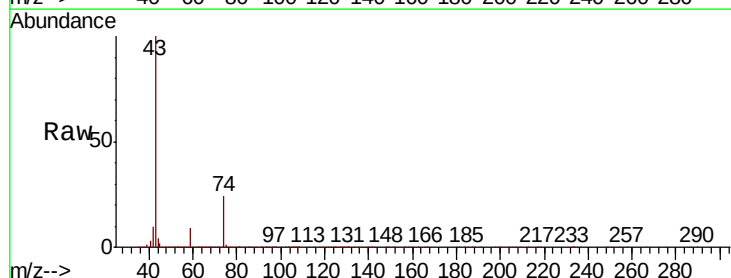
RT: 2.78 min Scan# 267

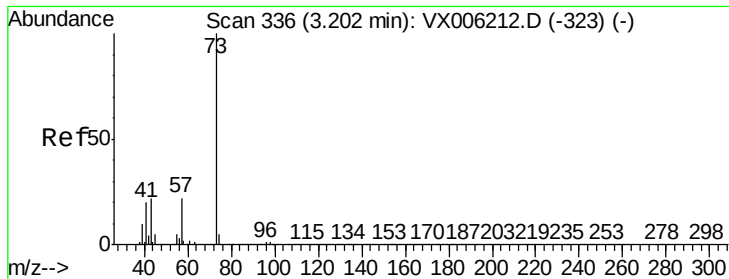
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.9	26.9





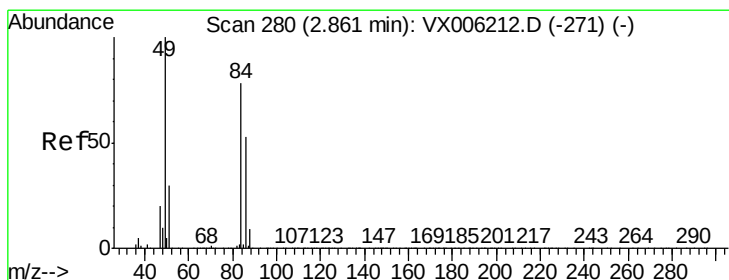
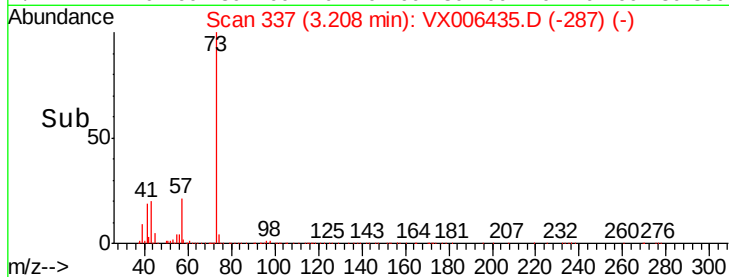
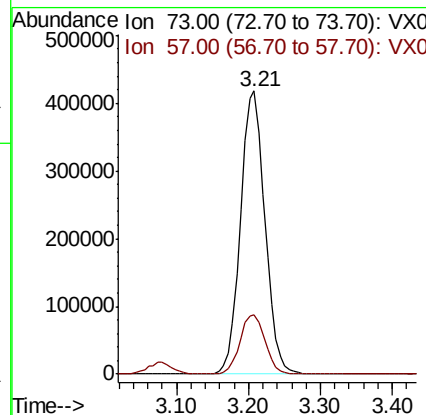
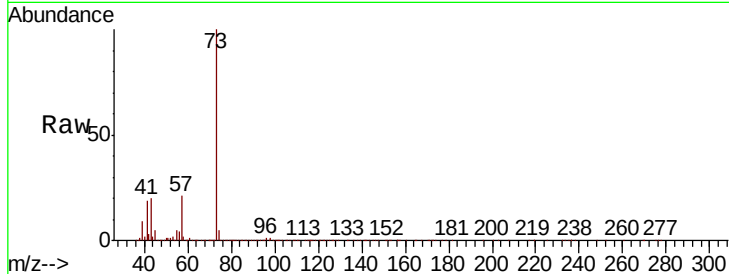
#19
Methyl tert-butyl Ether
Concen: 50.297 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.5	26.3

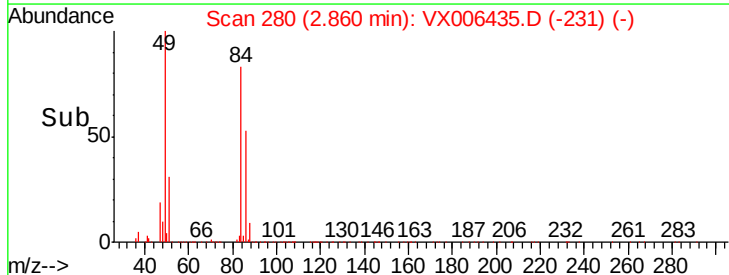
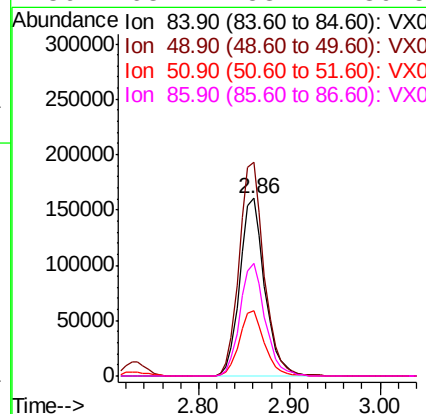
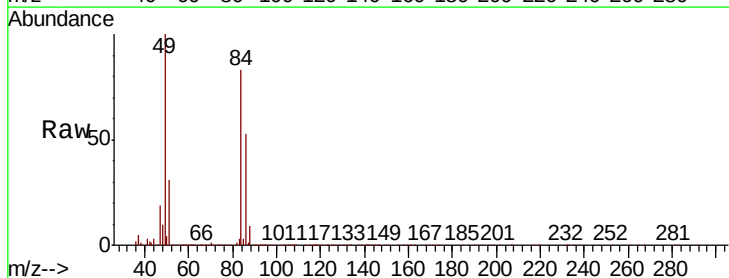
Manual Integrations
APPROVED

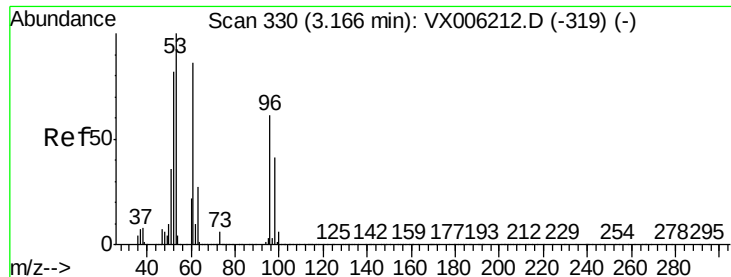
MMDadoda
12/12/2018 10:40:28 AM



#20
Methylene Chloride
Concen: 49.292 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	102.2	153.4
51	36.8	31.1	46.7
86	63.2	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 48.685 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

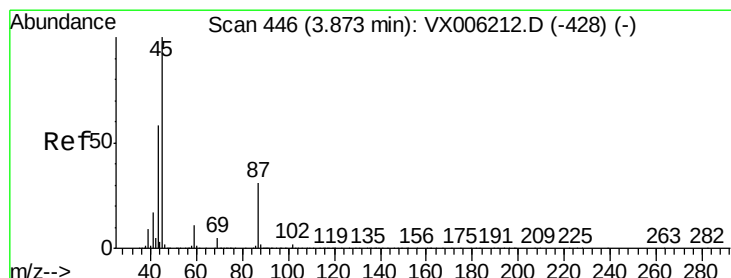
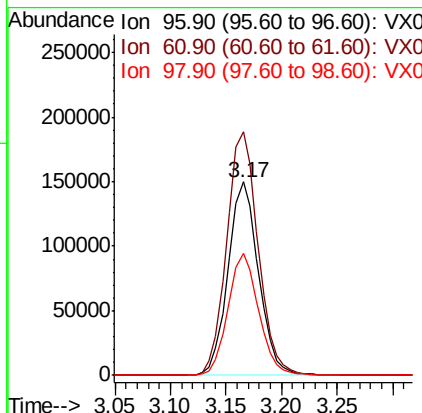
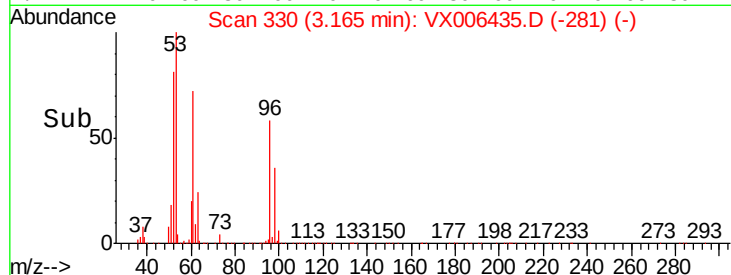
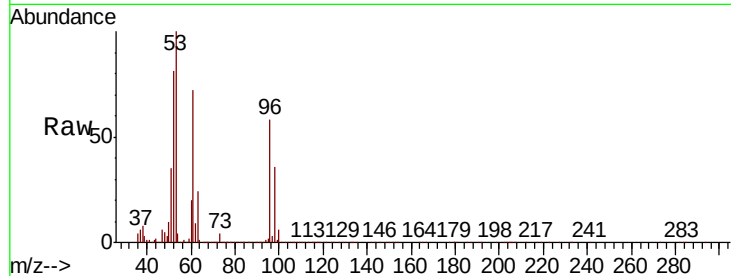
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	284452
Ion	Ratio	Lower	Upper
96	100		
61	125.9	113.3	169.9
98	63.1	53.2	79.8

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#22

Diisopropyl ether

Concen: 50.853 ug/l

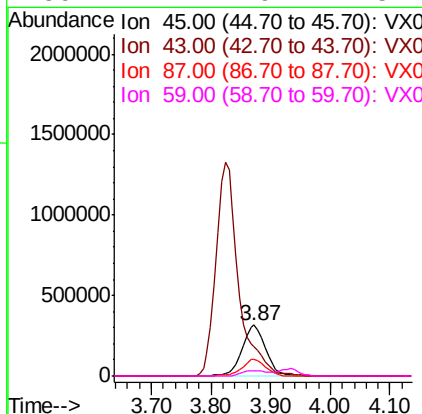
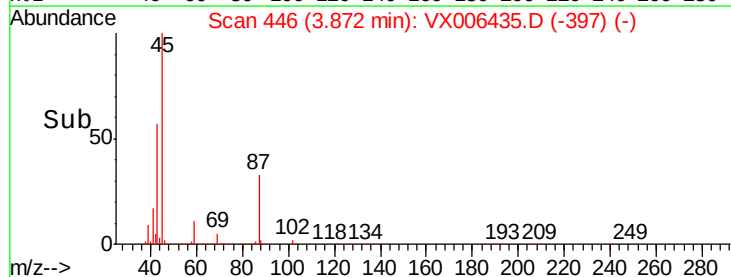
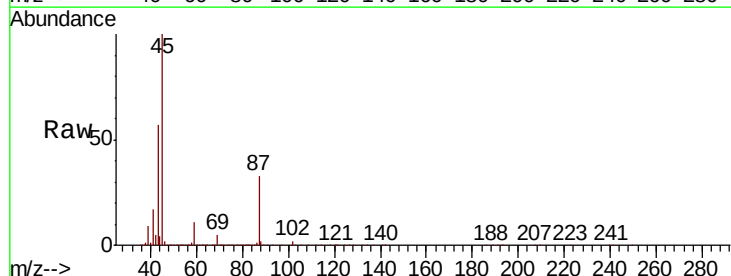
RT: 3.87 min Scan# 446

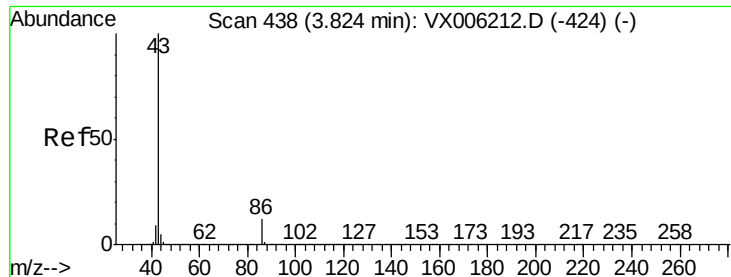
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	45	Resp:	860268
Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.2	69.2
87	32.9	24.9	37.3
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 243.091 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3507481

Ion Ratio Lower Upper

43 100

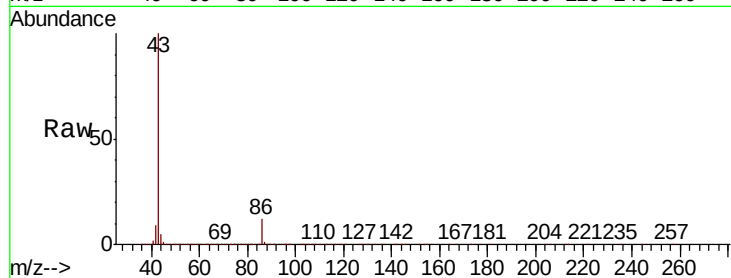
86 12.2 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

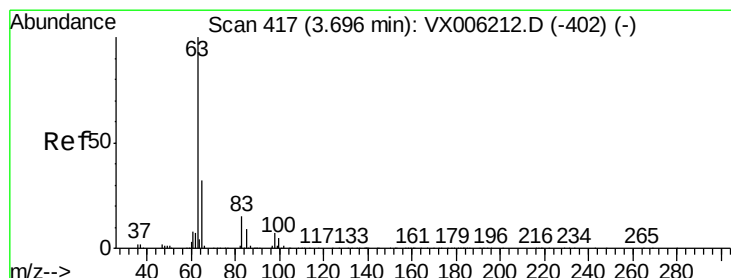
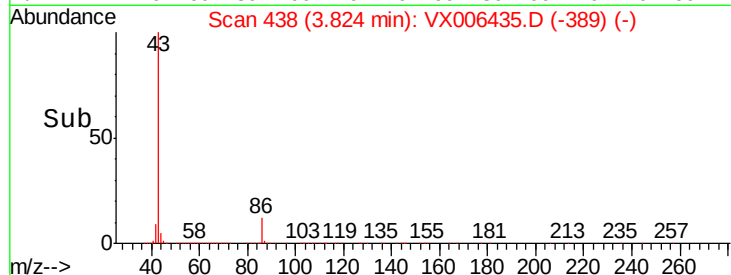
1000000

500000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 52.239 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

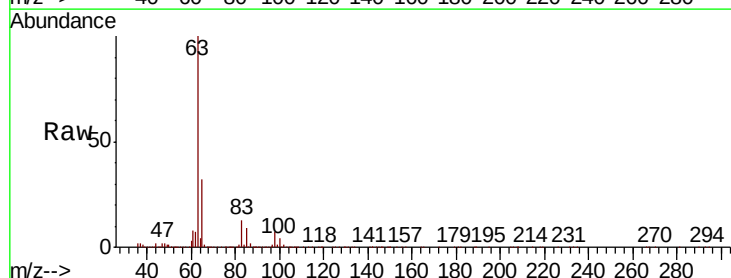
Tgt Ion: 63 Resp: 505111

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 4.1 2.5 7.4



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

300000

250000

200000

150000

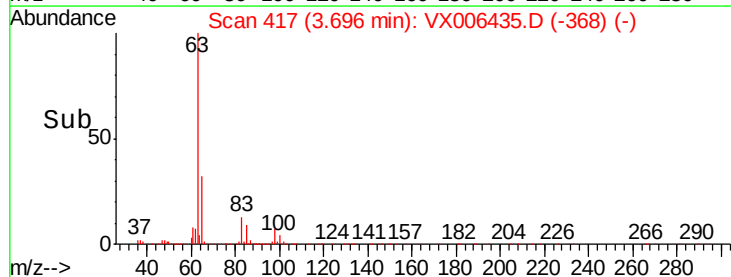
100000

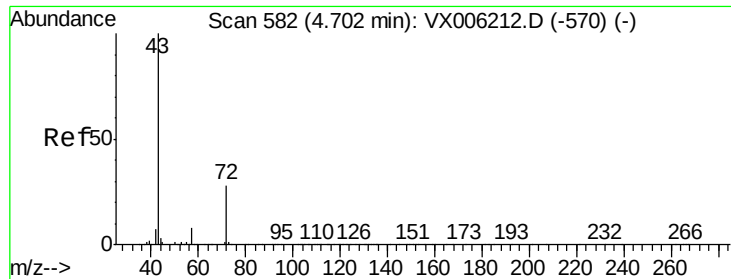
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 259.367 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1074262

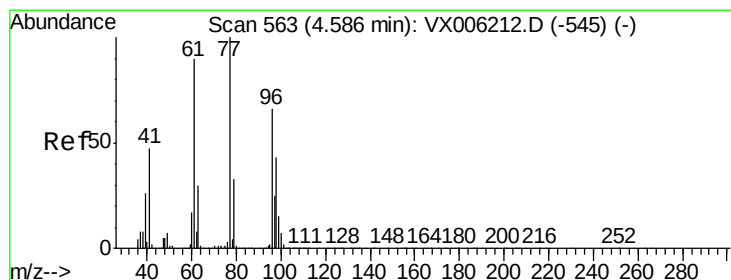
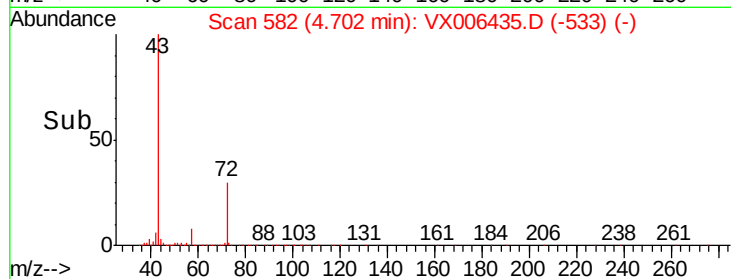
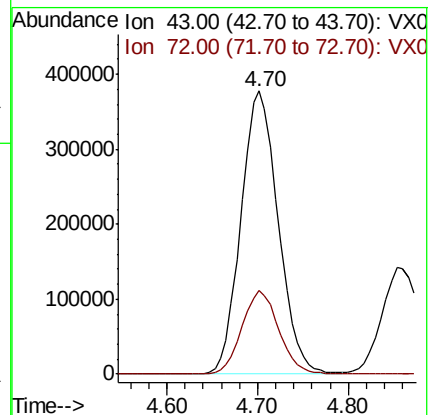
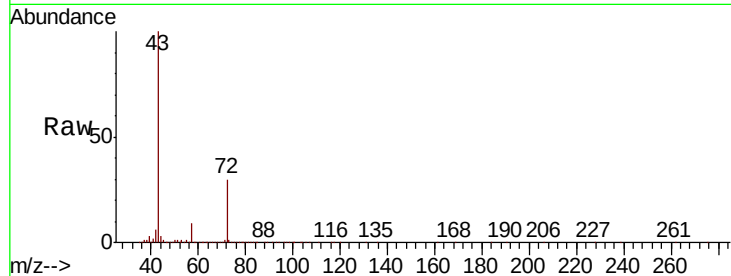
Ion Ratio Lower Upper

43 100

72 29.6 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#26

2,2-Dichloropropane

Concen: 42.531 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006435.D

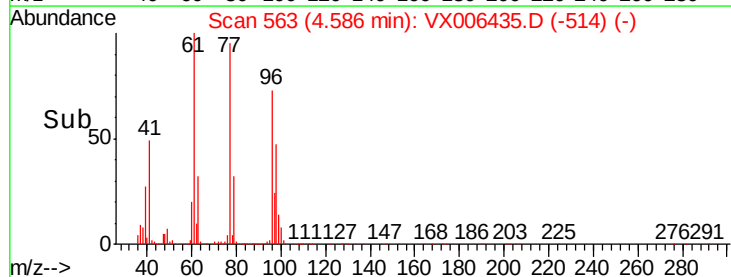
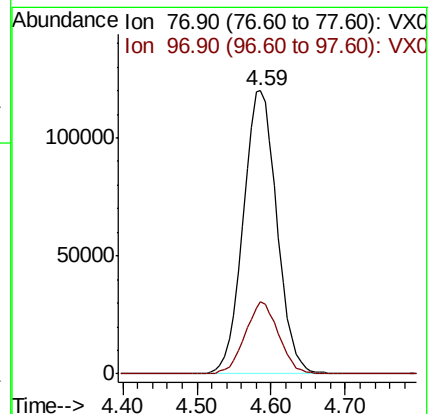
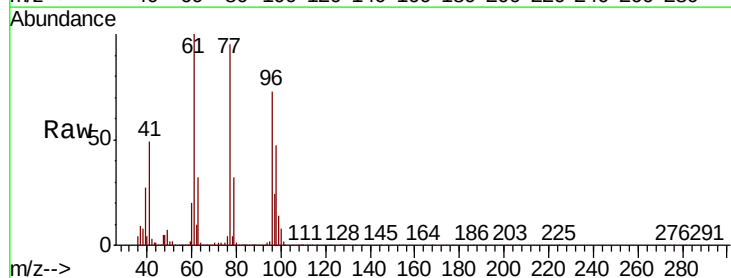
Acq: 11 Dec 2018 21:44

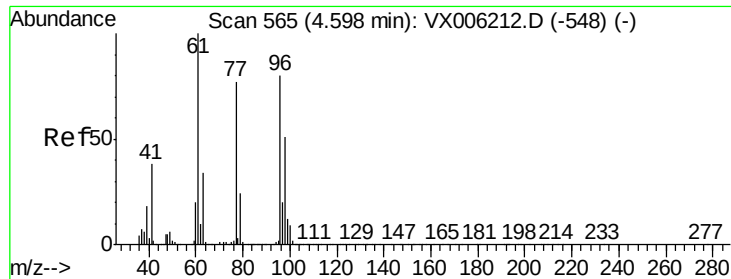
Tgt Ion: 77 Resp: 379533

Ion Ratio Lower Upper

77 100

97 25.4 12.3 36.8





#27

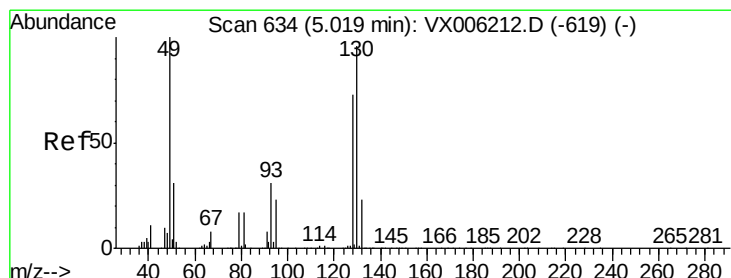
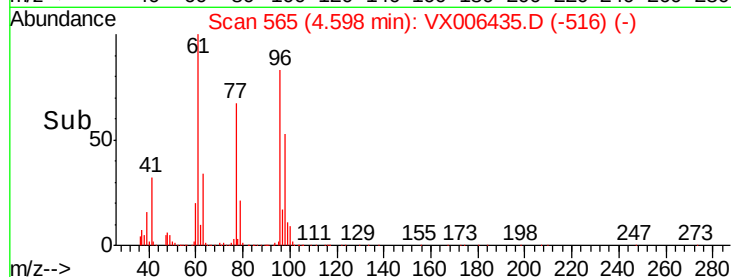
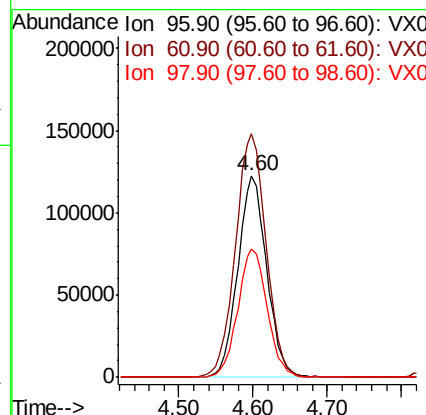
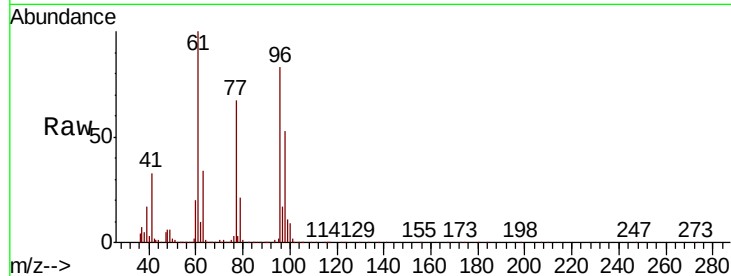
cis-1,2-Dichloroethene
 Concen: 51.219 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	265.0
98	64.8	0.0	130.2

Manual Integrations
 APPROVED

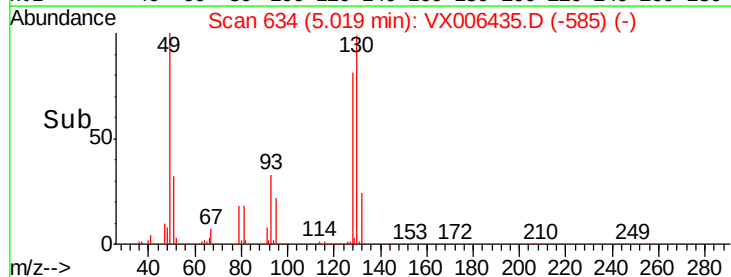
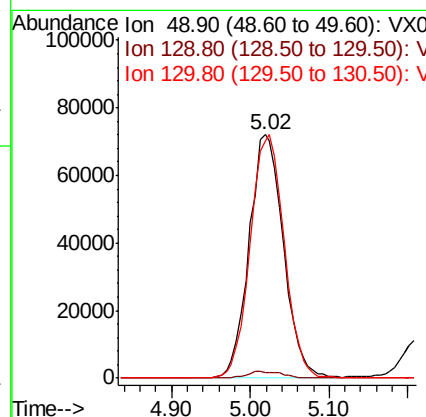
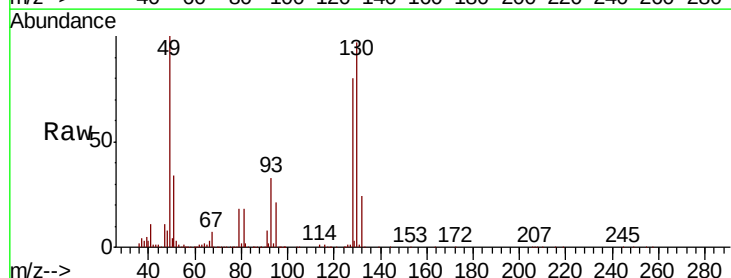
MMDadoda
 12/12/2018 10:40:28 AM

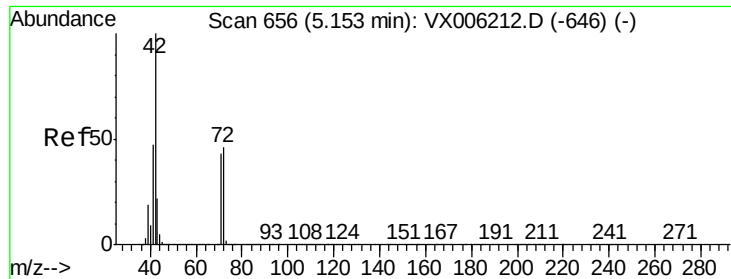


#28

Bromochloromethane
 Concen: 51.722 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	98.8	78.3	117.5





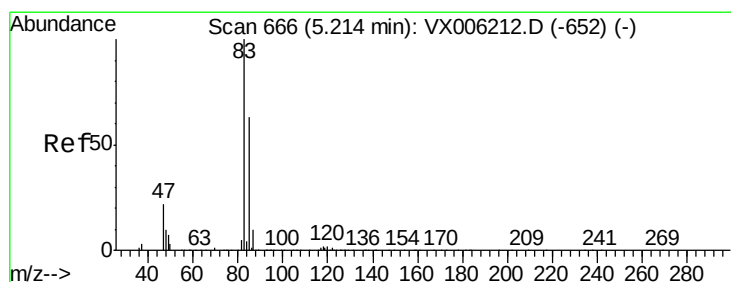
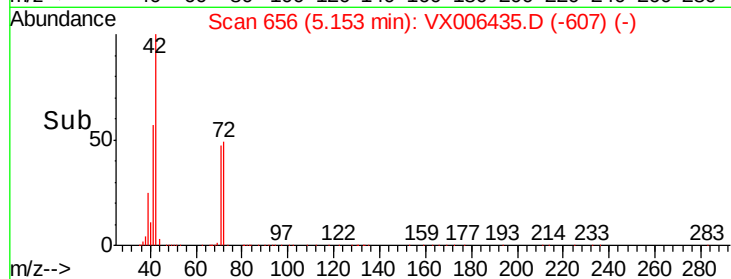
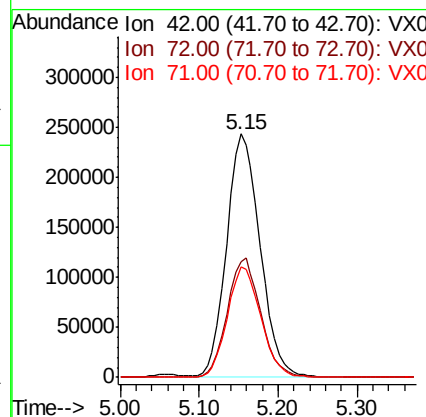
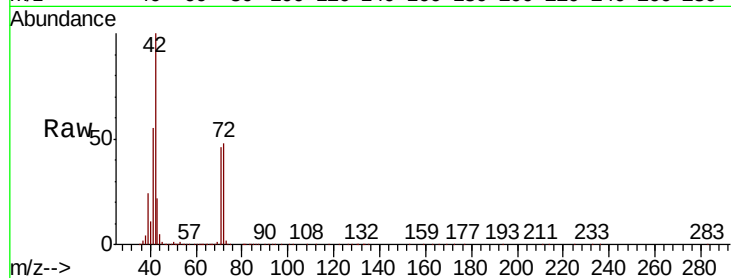
#29
Tetrahydrofuran
Concen: 248.411 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	37.8	56.8
71	45.7	35.2	52.8

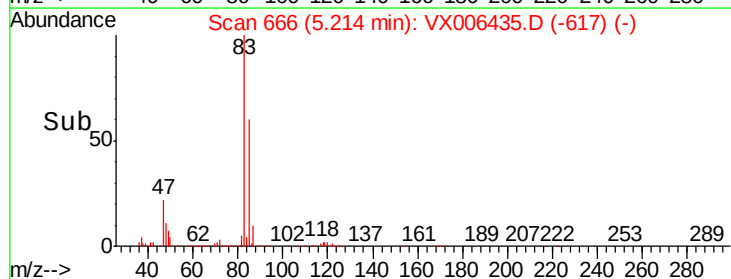
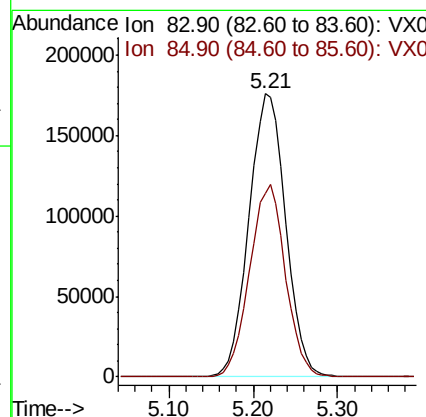
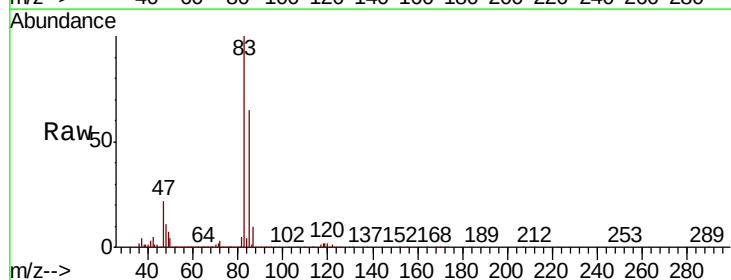
Manual Integrations
APPROVED

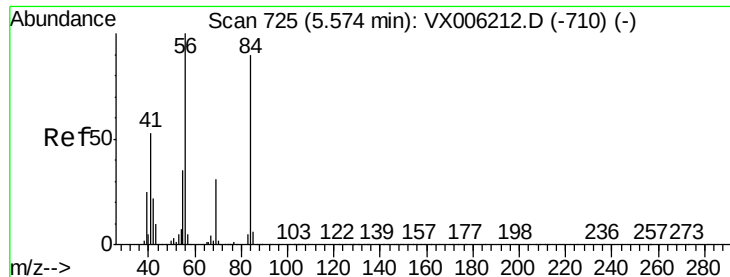
MMDadoda
12/12/2018 10:40:28 AM



#30
Chloroform
Concen: 51.358 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5





#31

Cyclohexane

Concen: 46.777 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

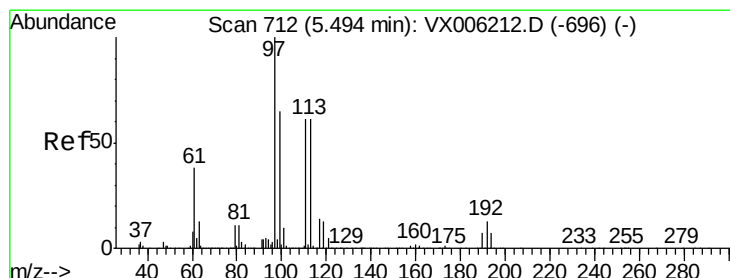
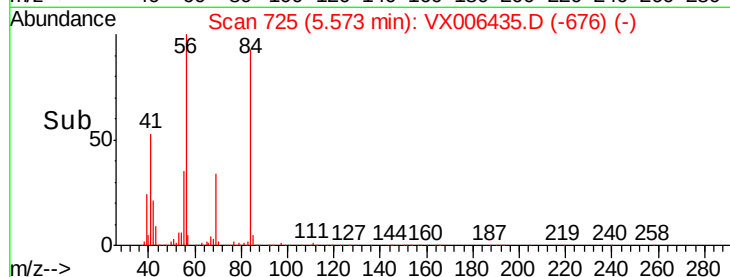
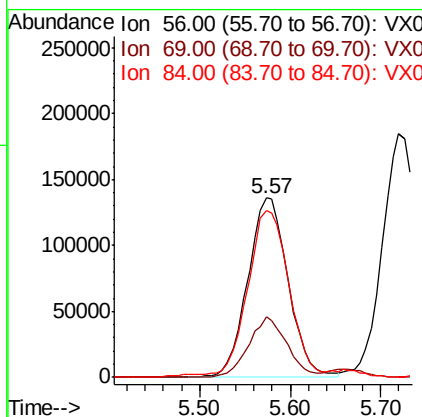
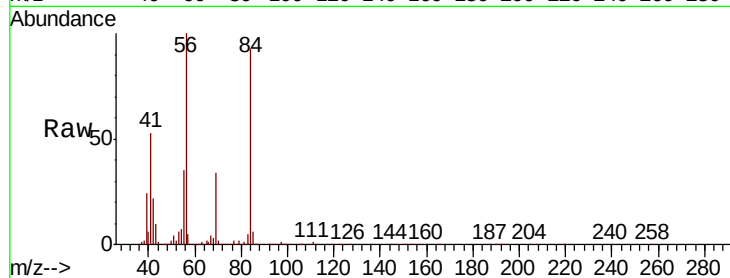
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	417991
Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.5	36.7
84	91.7	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#32

1,1,1-Trichloroethane

Concen: 48.748 ug/l

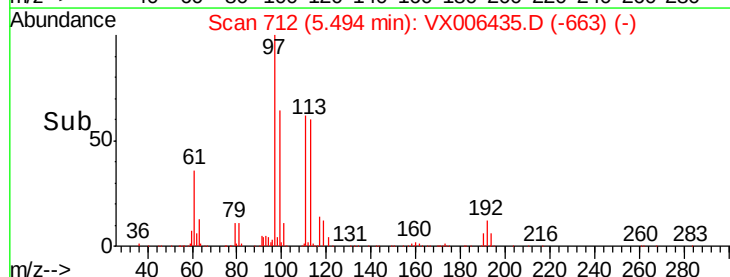
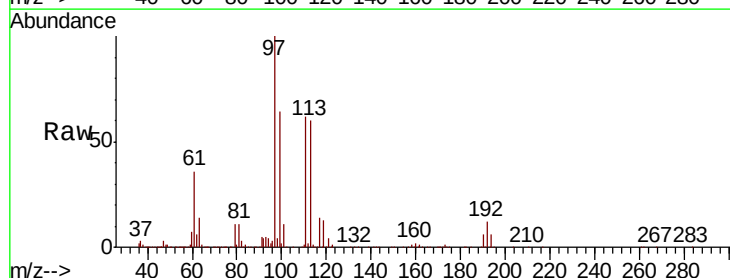
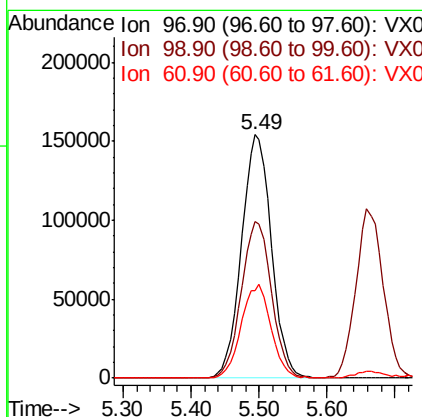
RT: 5.49 min Scan# 712

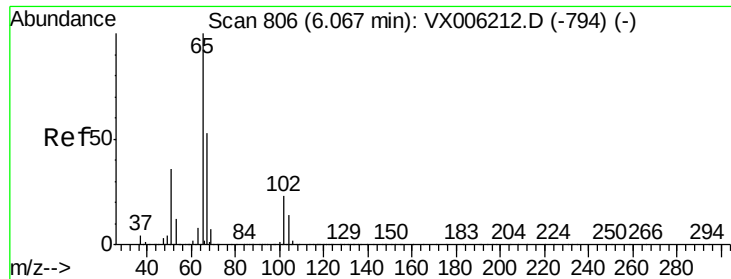
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	97	Resp:	471299
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	38.4	30.6	46.0





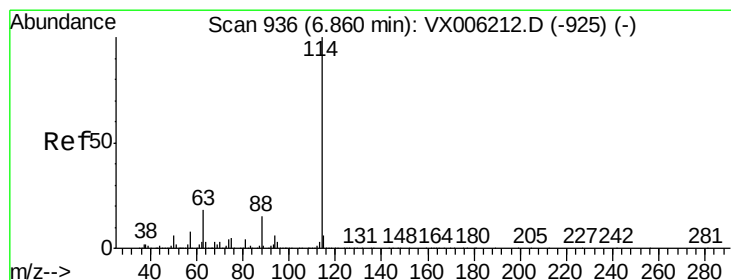
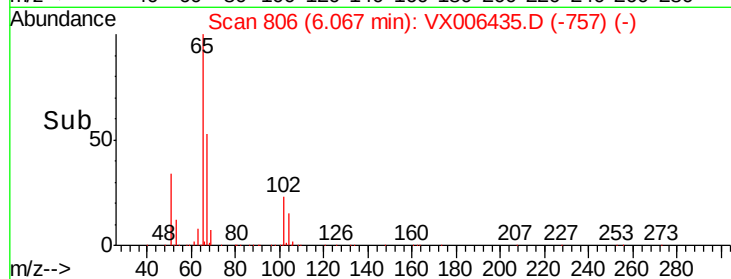
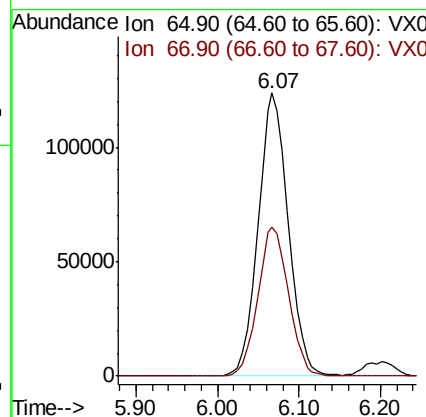
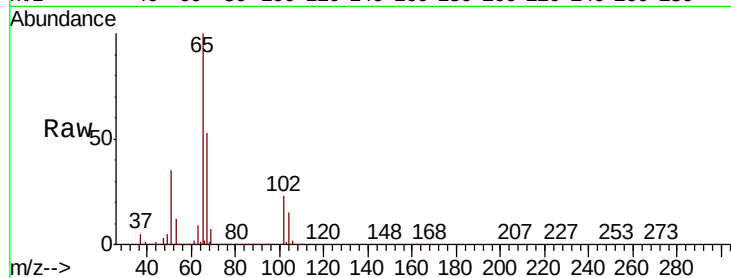
#33
 1,2-Dichloroethane-d4
 Concen: 51.388 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.2

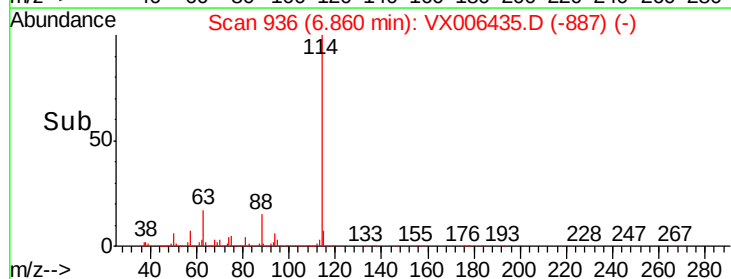
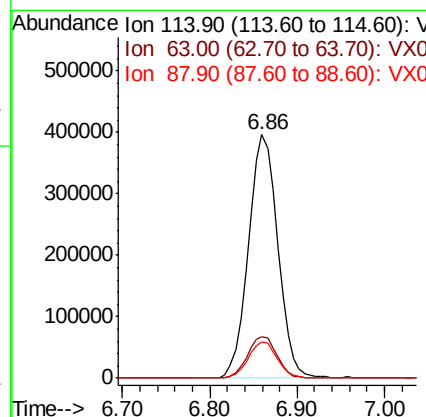
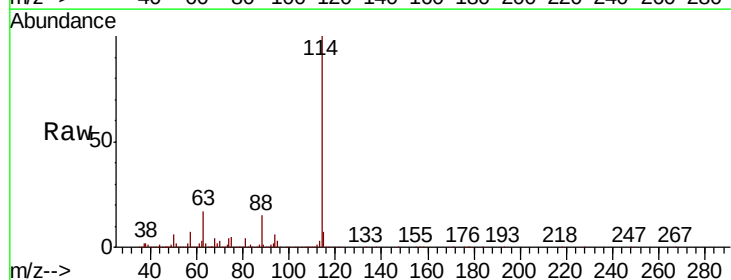
Manual Integrations
 APPROVED

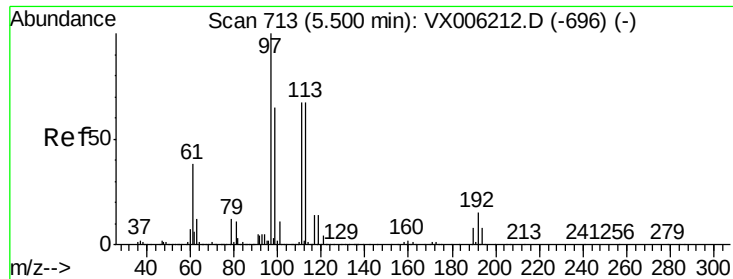
MMDadoda
 12/12/2018 10:40:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	36.6
88	14.9	0.0	29.0





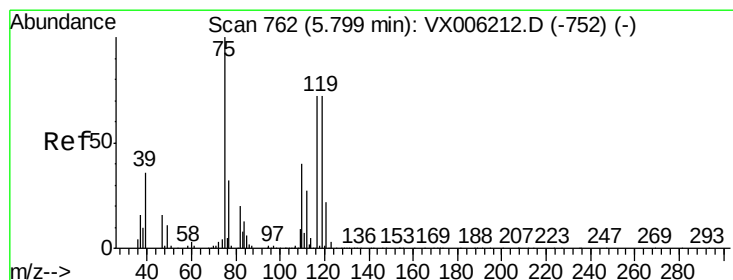
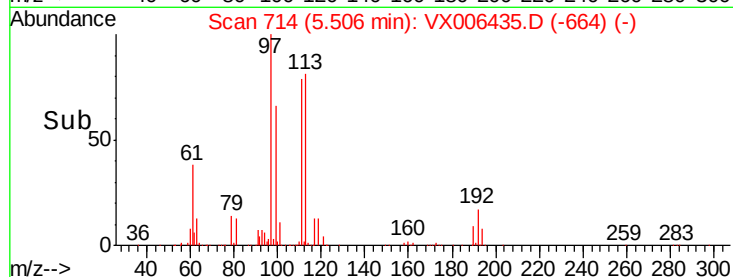
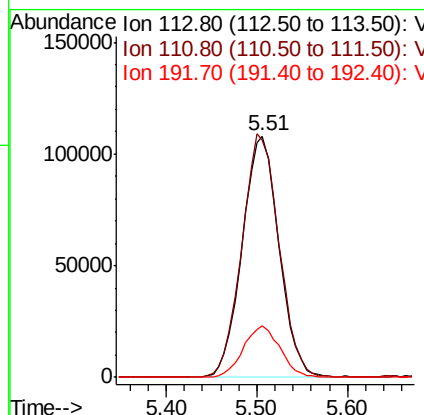
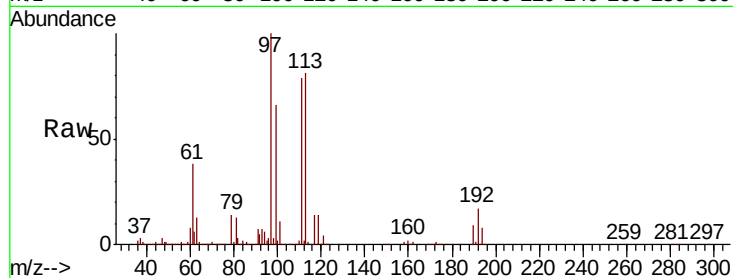
#35
 Dibromofluoromethane
 Concen: 50.700 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	303100		
111	102.3	81.1	121.7	
192	21.3	18.2	27.2	

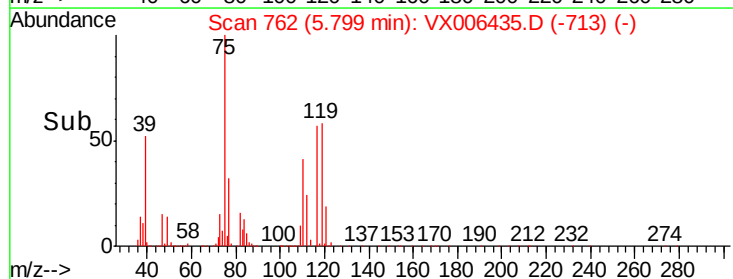
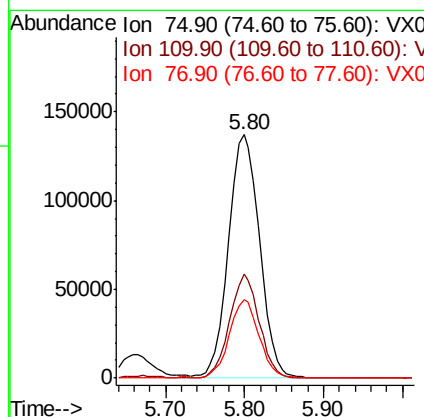
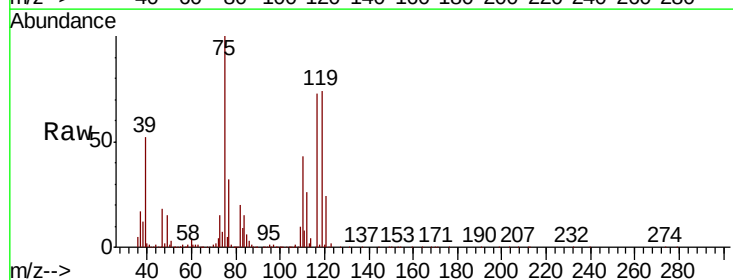
Manual Integrations
 APPROVED

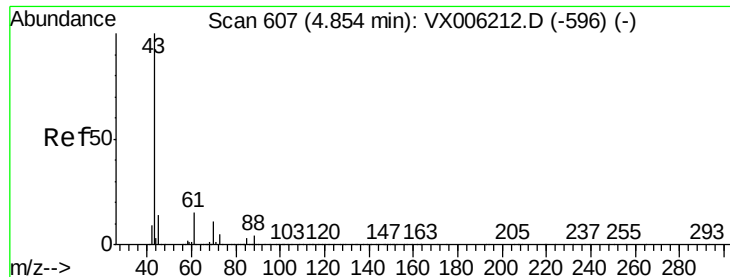
MMDadoda
 12/12/2018 10:40:28 AM



#36
 1,1-Dichloropropene
 Concen: 48.315 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	375679		
110	40.6	20.4	61.3	
77	31.1	24.9	37.3	





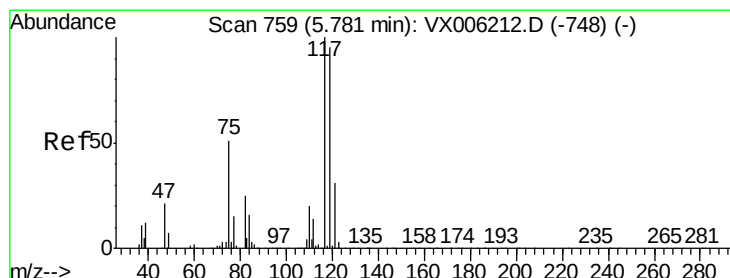
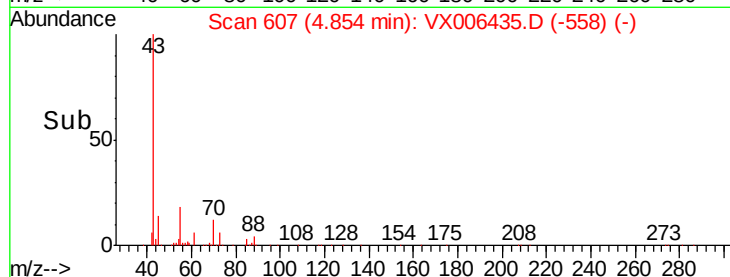
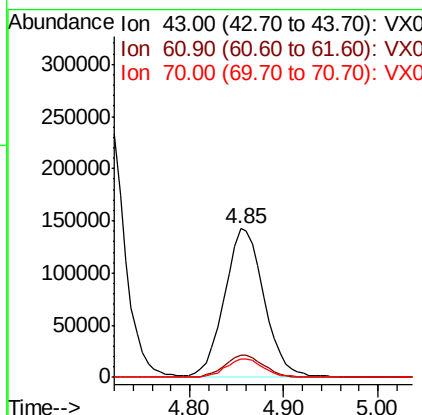
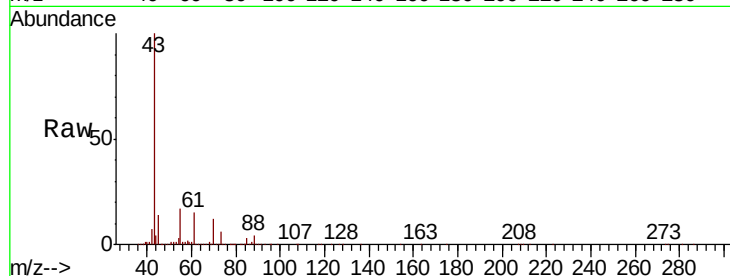
#37
Ethyl Acetate
Concen: 47.417 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	412891
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.5	17.3
70	12.1	9.0	13.6

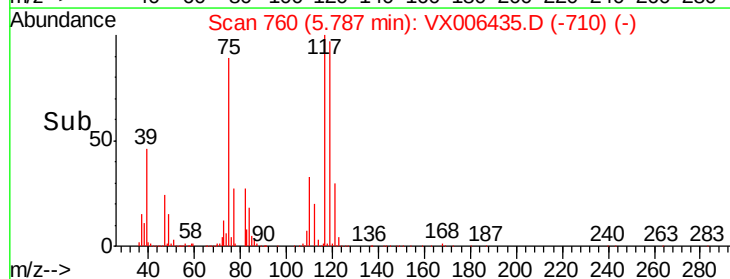
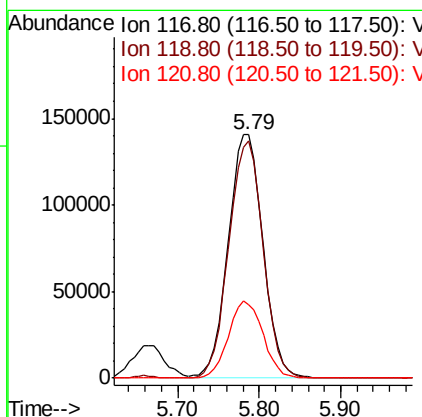
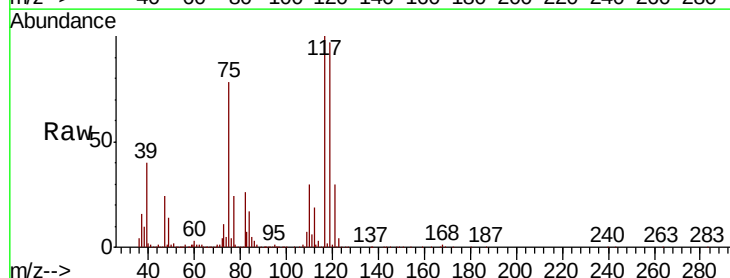
Manual Integrations
APPROVED

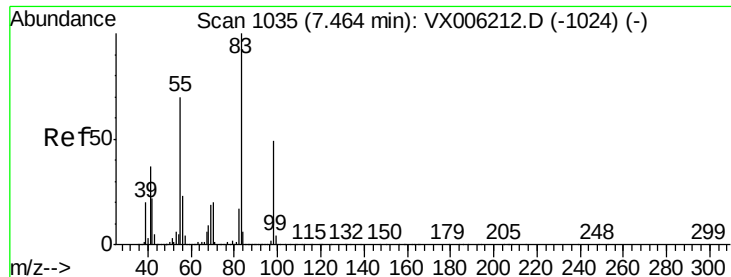
MMDadoda
12/12/2018 10:40:28 AM



#38
Carbon Tetrachloride
Concen: 45.110 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	117	Resp	412634
Ion Ratio	Lower	Upper	
117	100		
119	97.1	75.8	113.8
121	30.2	24.6	37.0





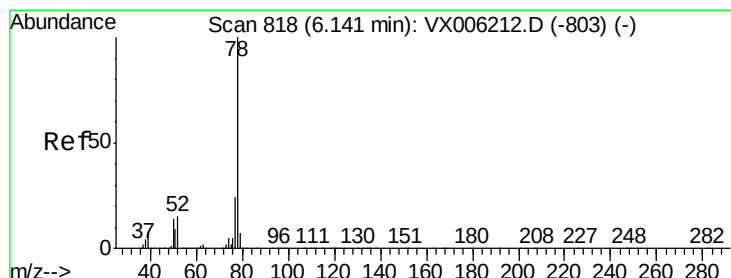
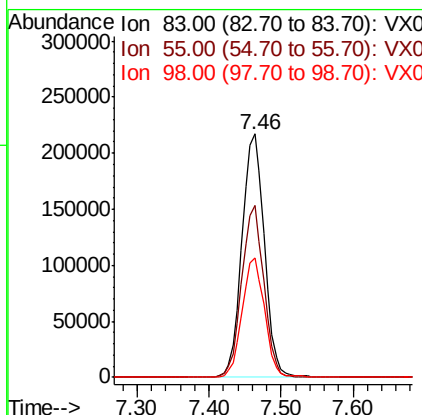
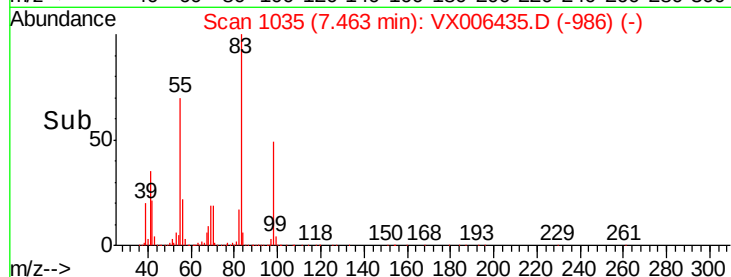
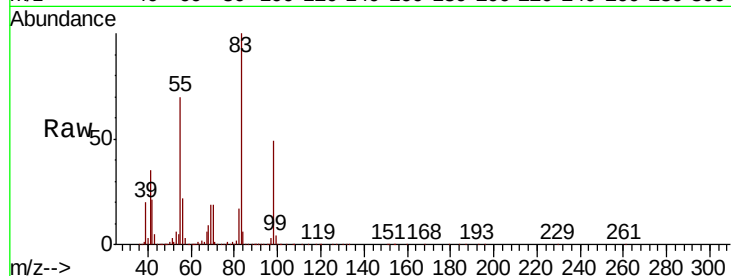
#39
Methylvlcyclohexane
Concen: 46.428 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	56.4	84.6
98	49.0	39.0	58.6

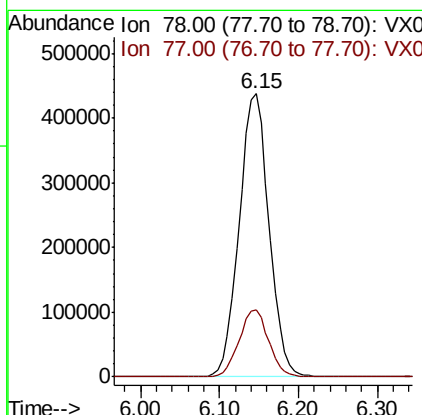
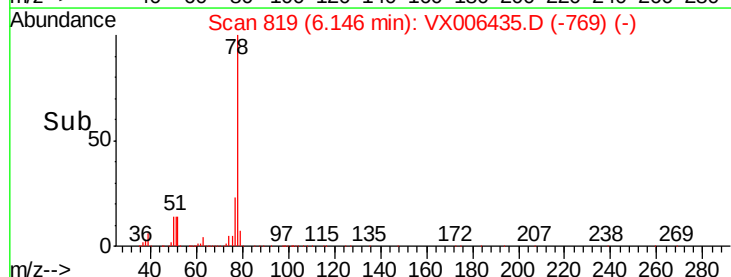
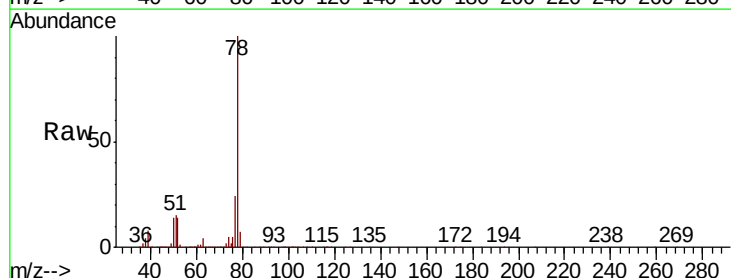
Manual Integrations
APPROVED

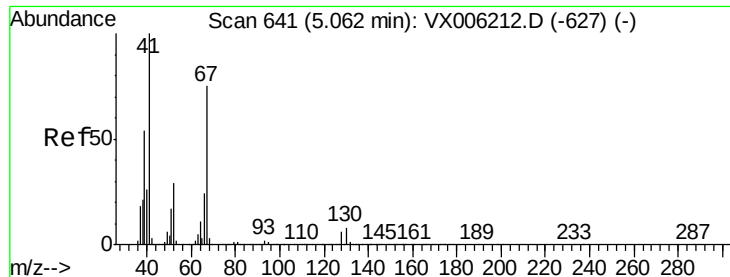
MMDadoda
12/12/2018 10:40:28 AM



#40
Benzene
Concen: 49.338 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 47.466 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

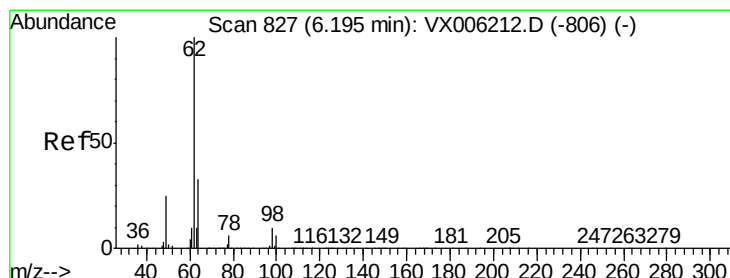
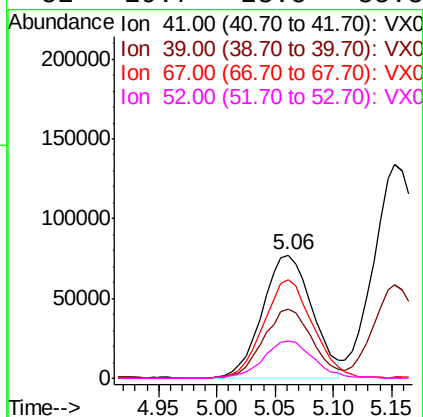
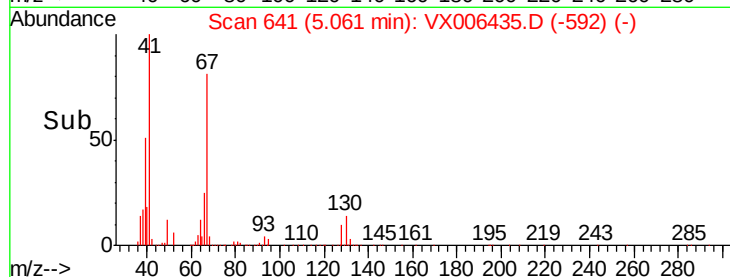
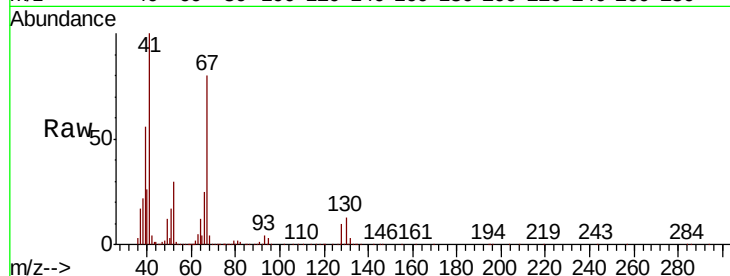
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
227429	41	100		
	39	55.9	44.0	66.0
	67	79.8	61.4	92.0
	52	29.7	23.5	35.3

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#42

1,2-Dichloroethane

Concen: 50.818 ug/l

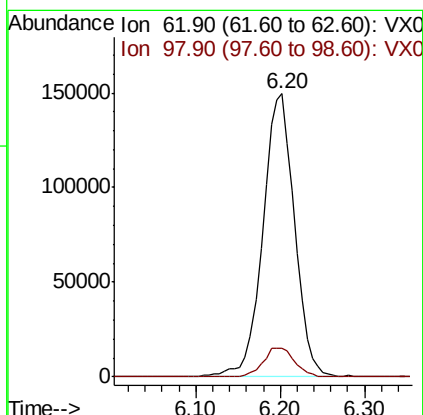
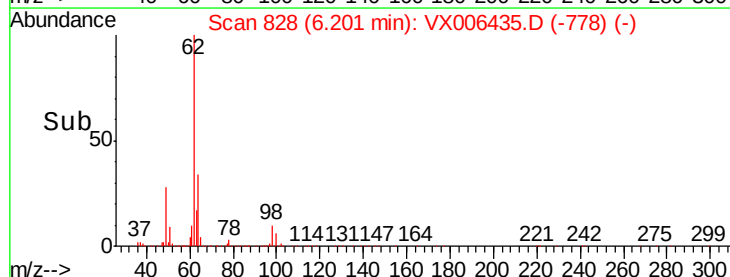
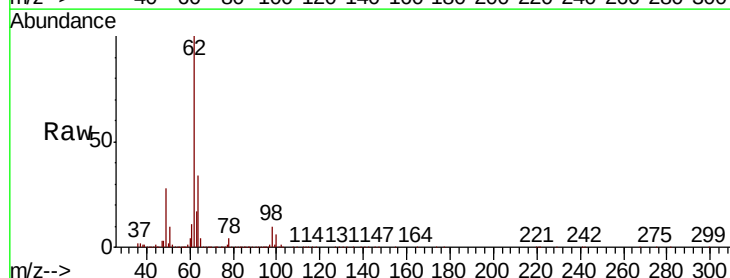
RT: 6.20 min Scan# 828

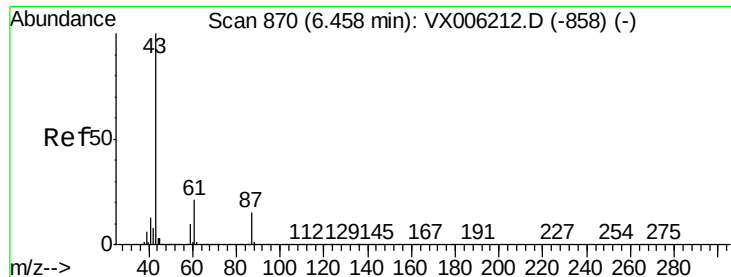
Delta R.T. 0.01 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion	Ion	Ratio	Lower	Upper
387328	62	100		
	98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 46.304 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

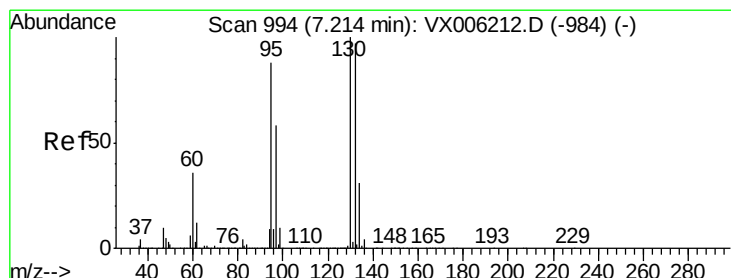
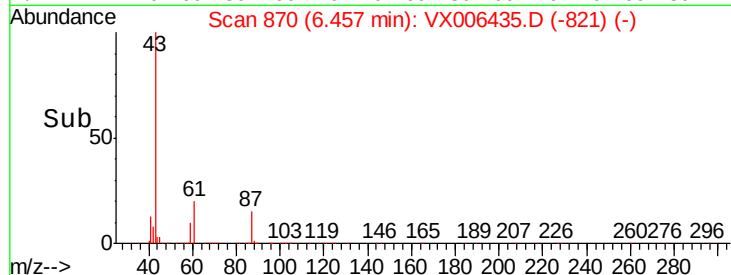
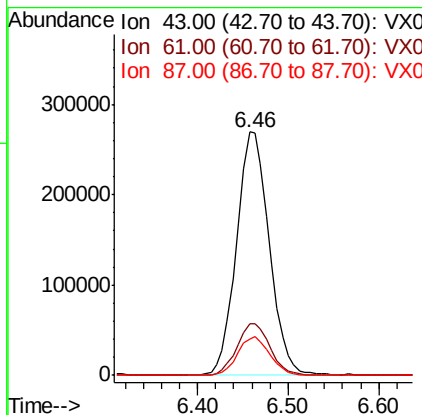
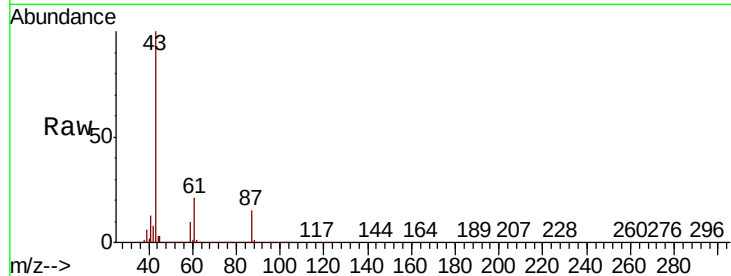
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	672247
Ion	Ratio	Lower	Upper
43	100		
61	21.6	16.8	25.2
87	15.8	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#44

Trichloroethene

Concen: 48.705 ug/l

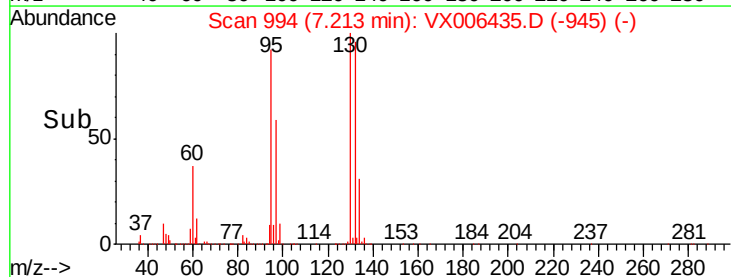
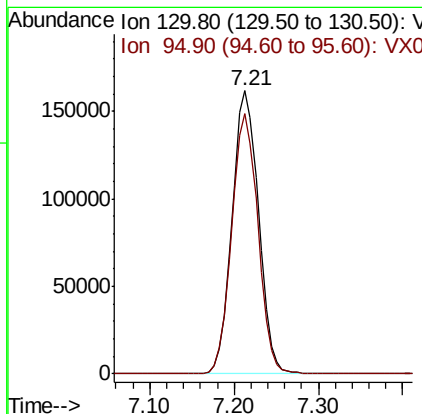
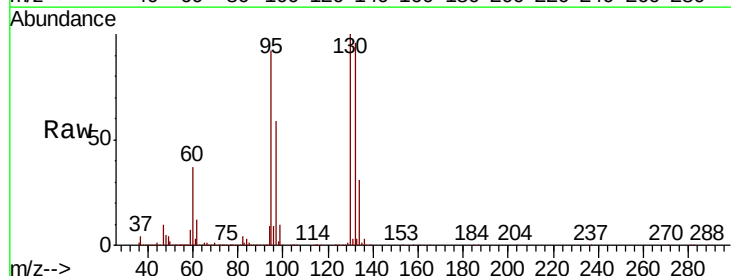
RT: 7.21 min Scan# 994

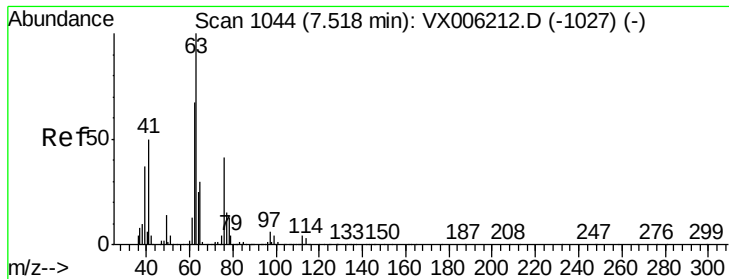
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	130	Resp:	343615
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	175.8





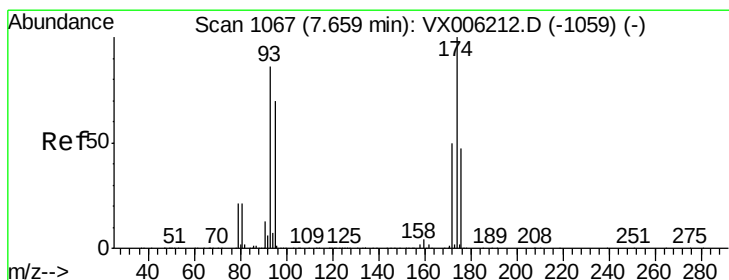
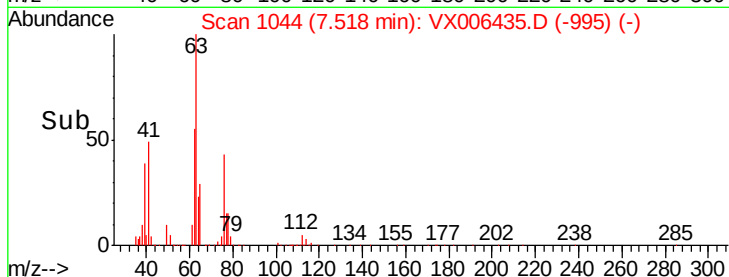
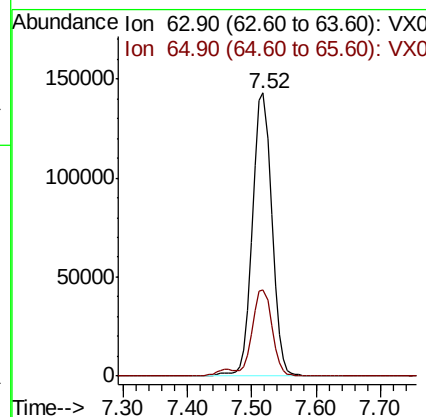
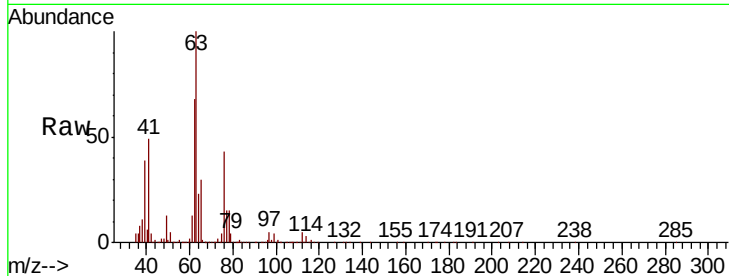
#45
 1,2-Dichloropropane
 Concen: 49.575 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

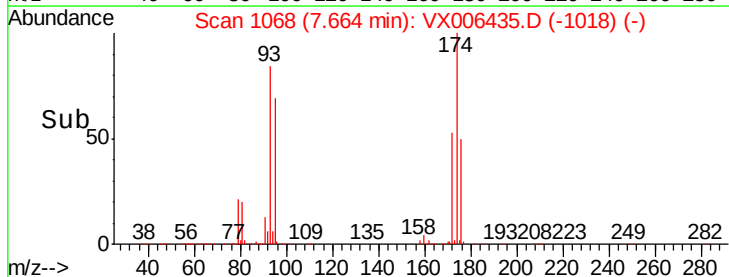
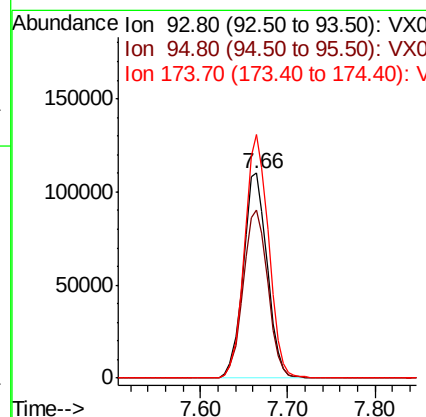
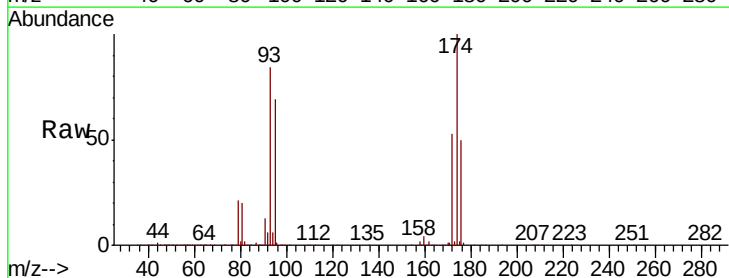
Manual Integrations
 APPROVED

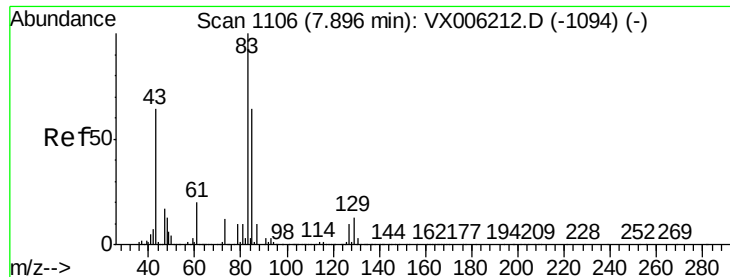
MMDadoda
 12/12/2018 10:40:28 AM



#46
 Dibromomethane
 Concen: 49.184 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	118.3	97.2	145.8





#47

Bromodichloromethane

Concen: 47.455 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

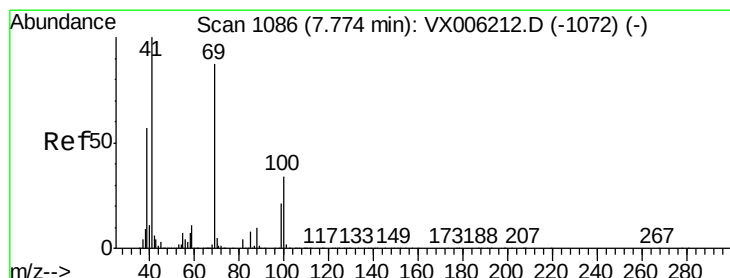
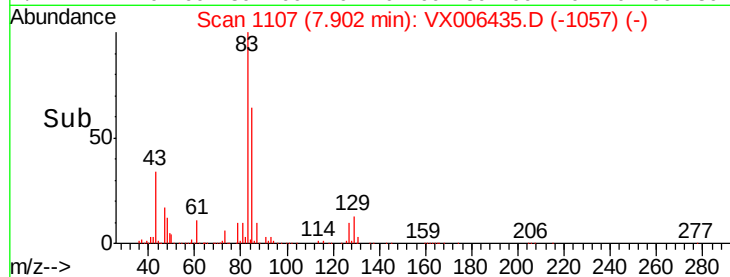
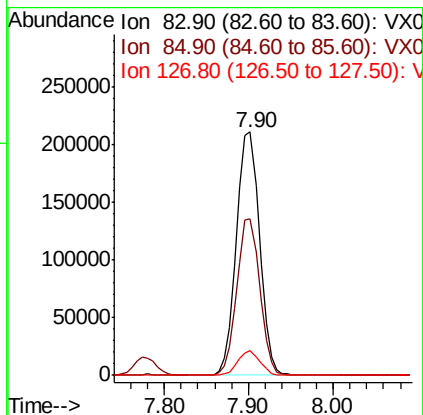
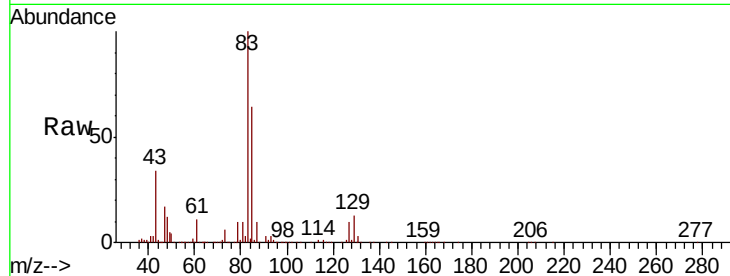
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	392837
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.4	77.0
127	10.0	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#48

Methyl methacrylate

Concen: 47.744 ug/l

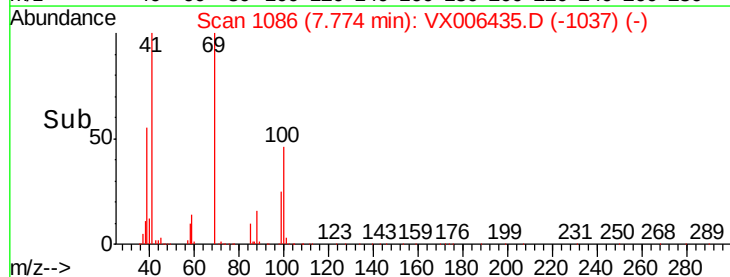
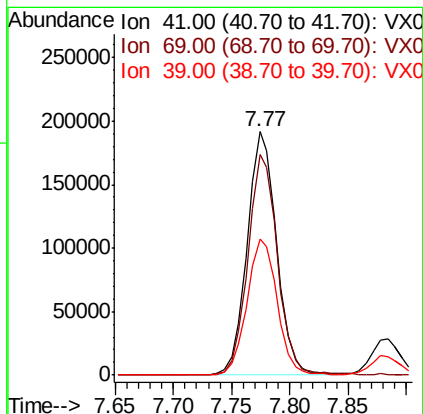
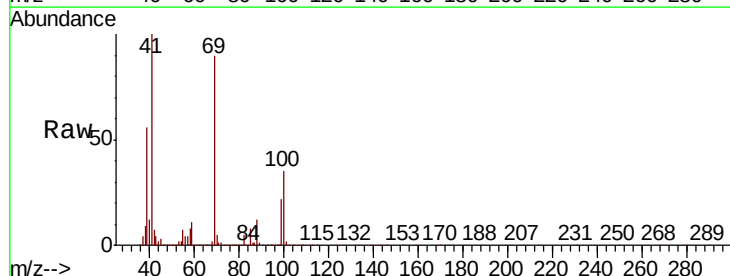
RT: 7.77 min Scan# 1086

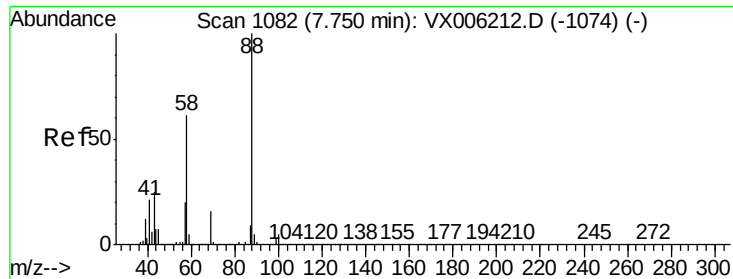
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	41	Resp:	337209
Ion Ratio	Lower	Upper	
41	100		
69	91.1	70.3	105.5
39	57.0	45.3	67.9





#49

1,4-Dioxane

Concen: 984.178 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

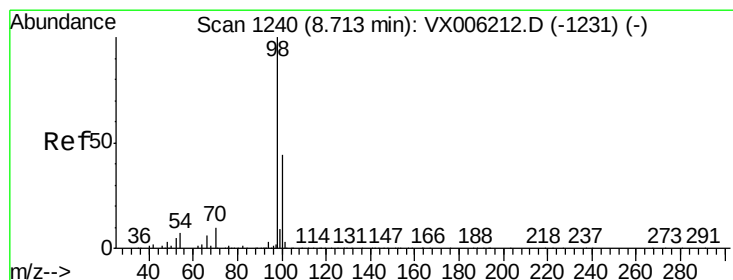
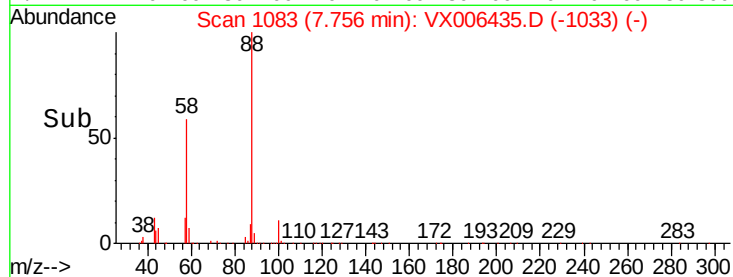
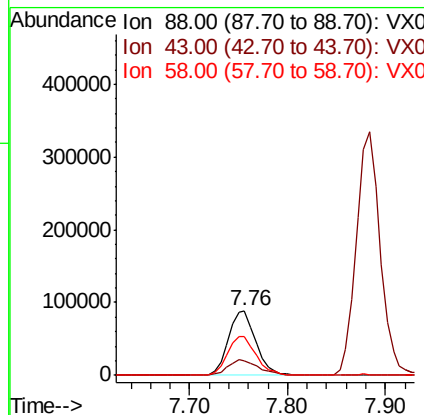
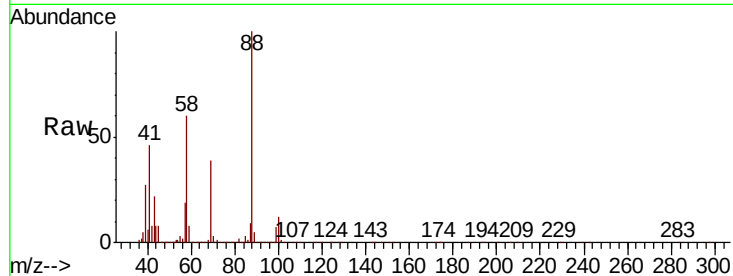
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	171321
Ion	Ratio	Lower	Upper
88	100		
43	26.2	23.2	34.8
58	64.1	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#50

Toluene-d8

Concen: 49.910 ug/l

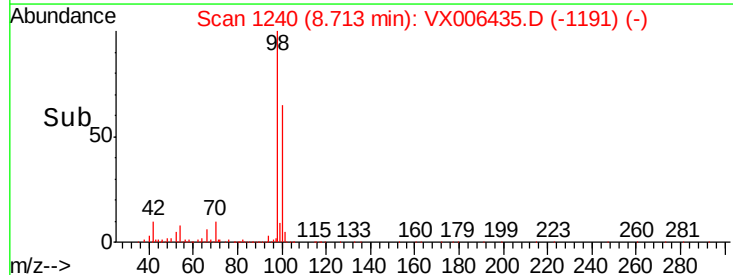
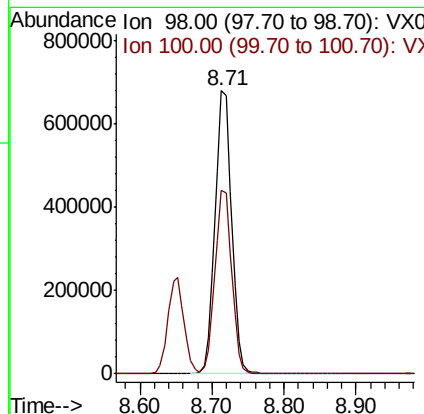
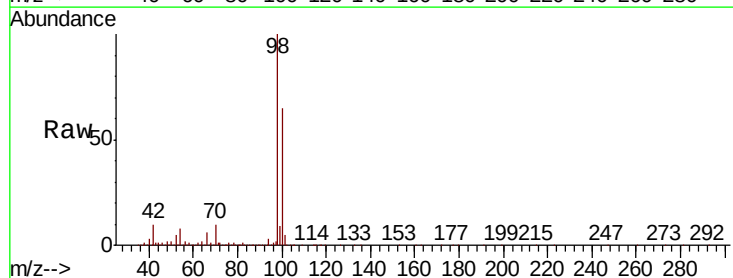
RT: 8.71 min Scan# 1240

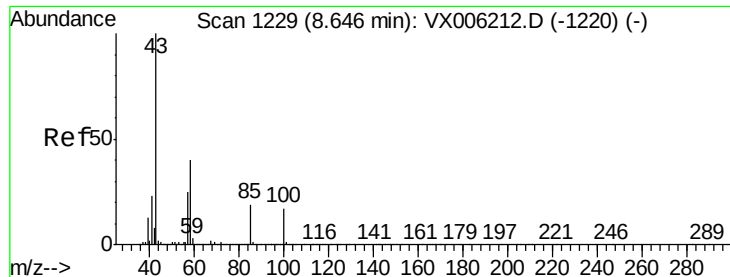
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	98	Resp:	1085323
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





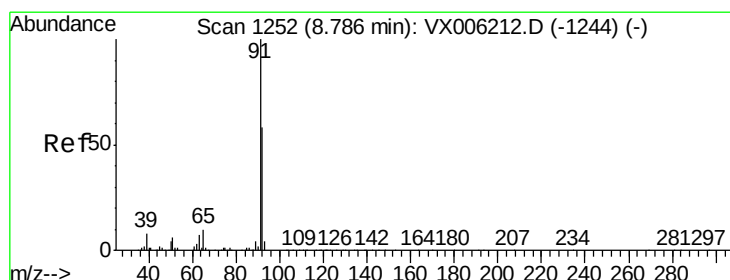
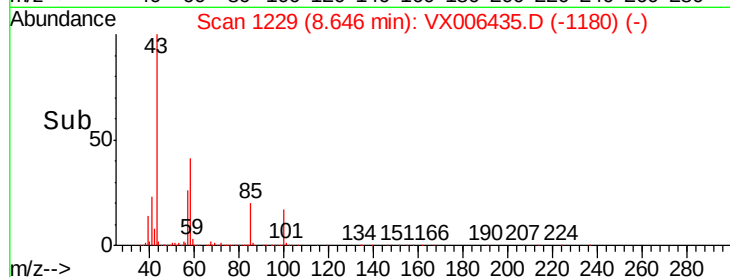
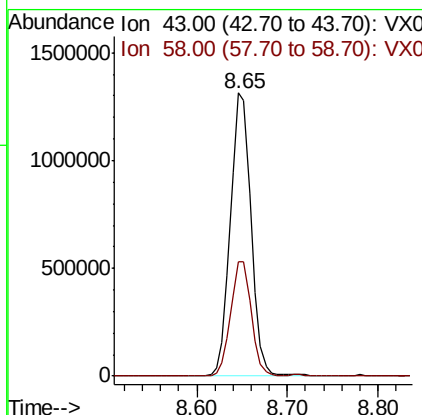
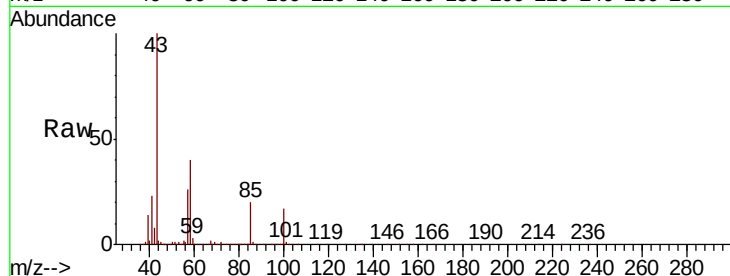
#51
4-Methyl-2-Pentanone
Concen: 246.078 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2079761
Ion Ratio Lower Upper
43 100
58 40.5 31.3 46.9

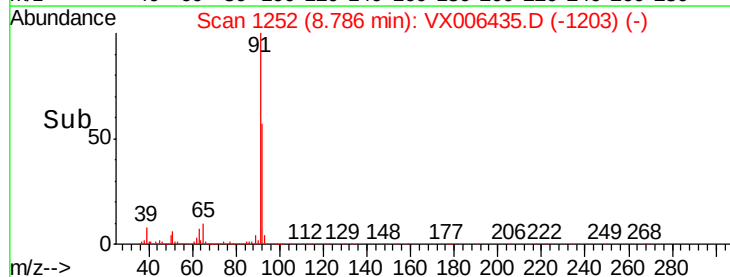
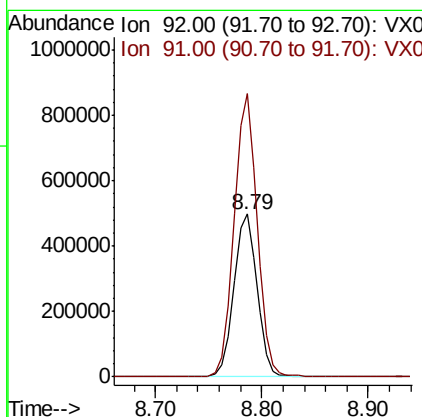
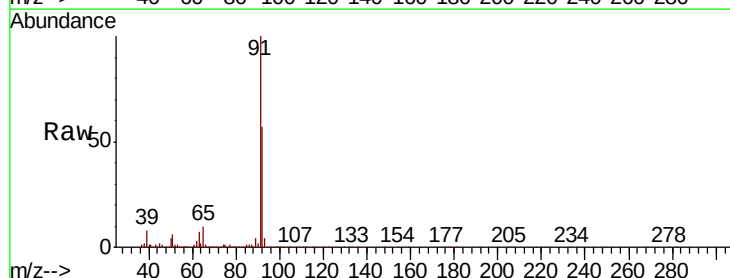
Manual Integrations
APPROVED

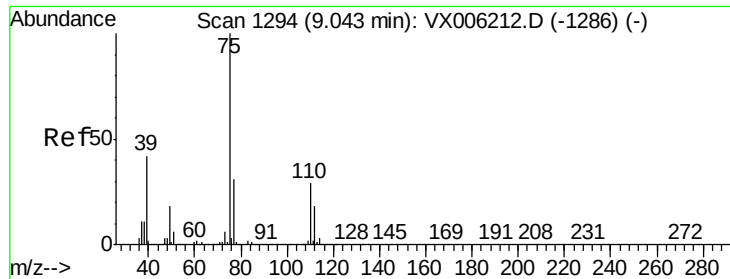
MMDadoda
12/12/2018 10:40:28 AM



#52
Toluene
Concen: 49.861 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion: 92 Resp: 763937
Ion Ratio Lower Upper
92 100
91 172.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 44.664 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 432403

Ion Ratio Lower Upper

75 100

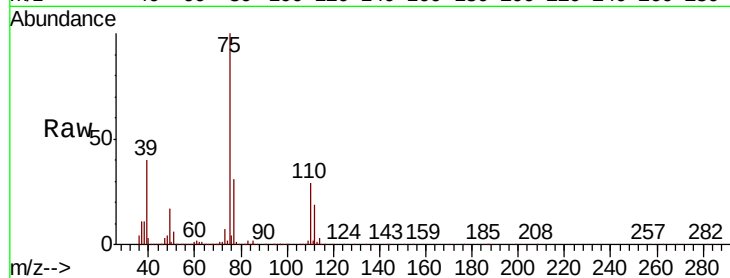
77 31.4 25.0 37.4

Manual Integrations

APPROVED

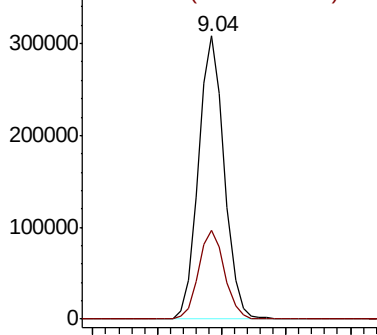
MMDadoda

12/12/2018 10:40:28 AM

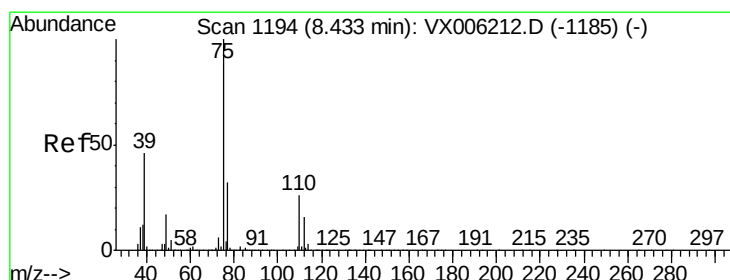
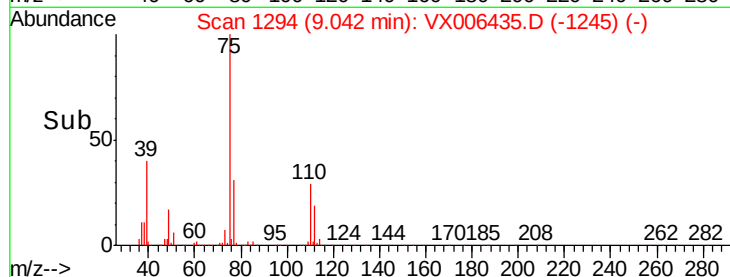


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.297 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

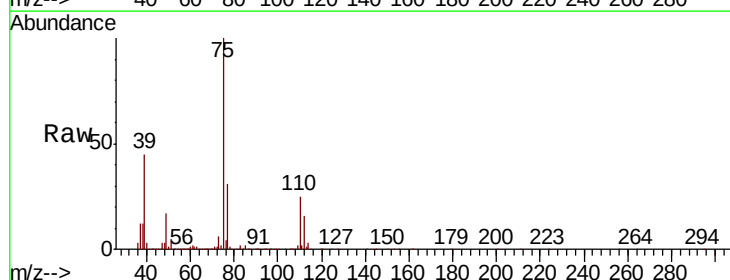
Tgt Ion: 75 Resp: 465415

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

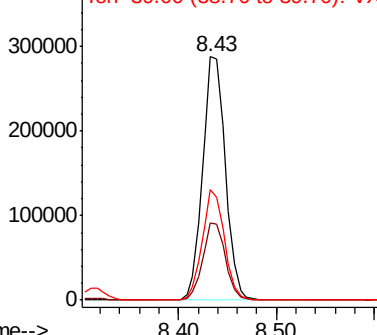
39 45.1 36.5 54.7



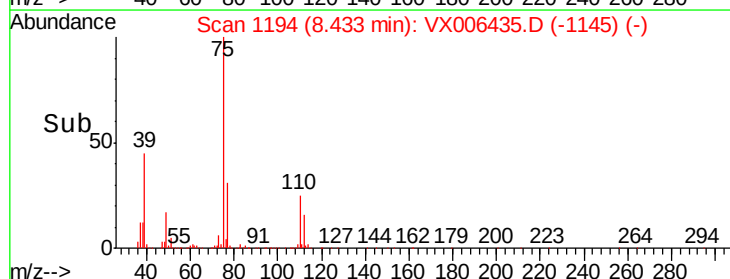
Abundance Ion 74.90 (74.60 to 75.60): VX0

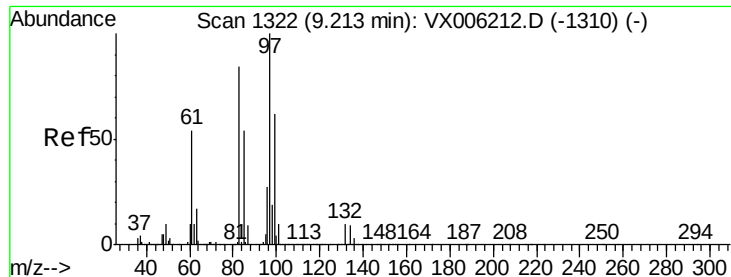
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->





#55

1,1,2-Trichloroethane

Concen: 52.093 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

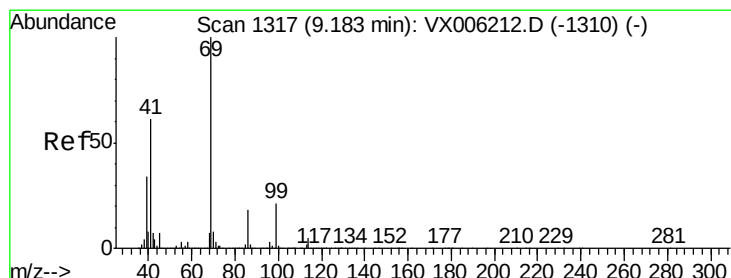
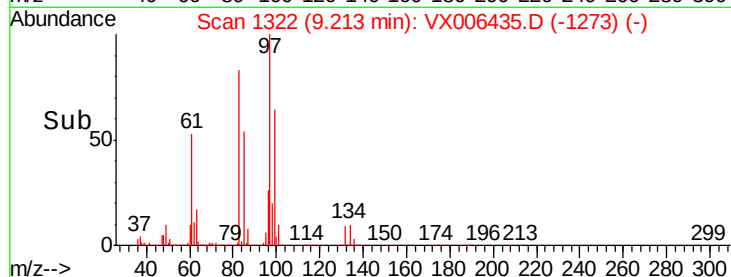
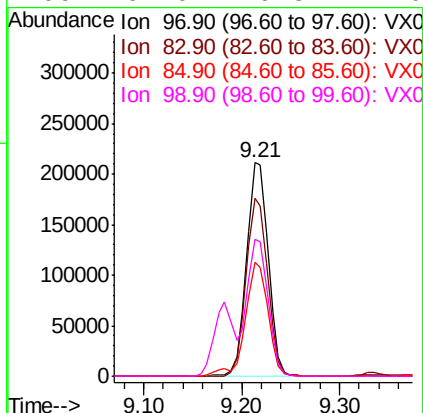
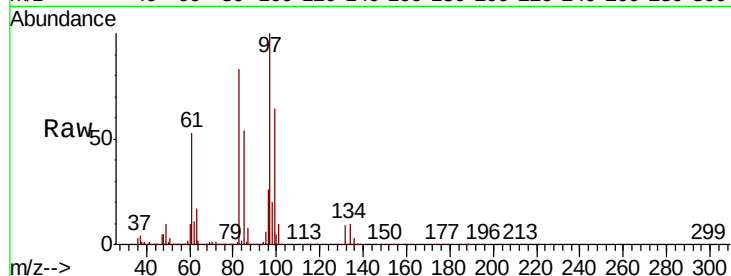
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	324249
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.1	100.7
85	53.6	43.2	64.8
99	64.0	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#56

Ethyl methacrylate

Concen: 49.330 ug/l

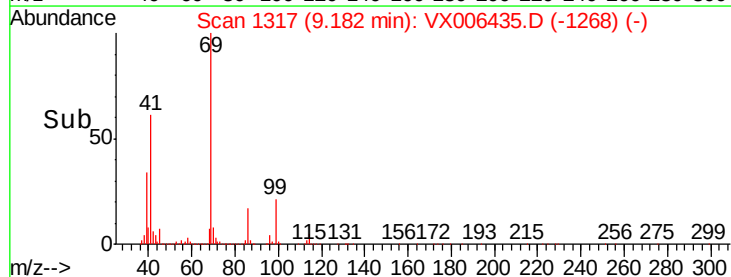
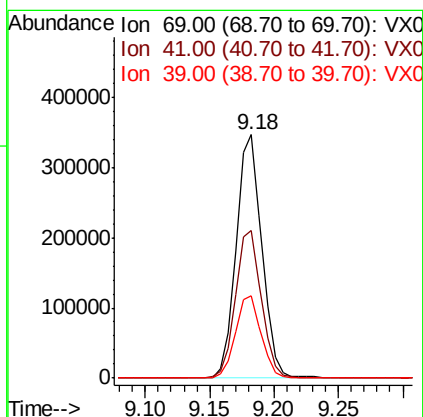
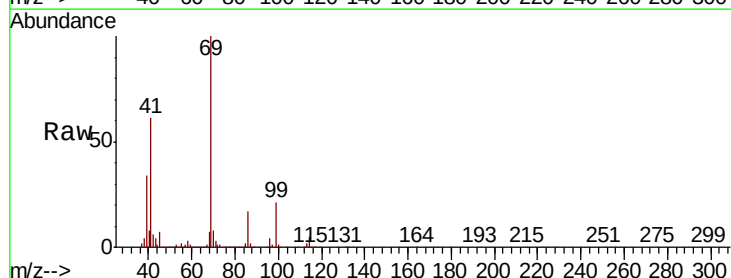
RT: 9.18 min Scan# 1317

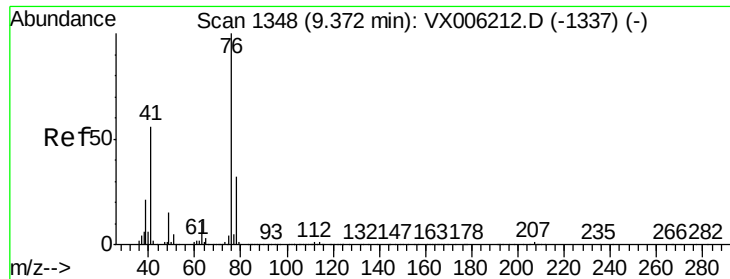
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	69	Resp:	480018
Ion	Ratio	Lower	Upper
69	100		
41	61.1	50.6	76.0
39	34.0	27.6	41.4





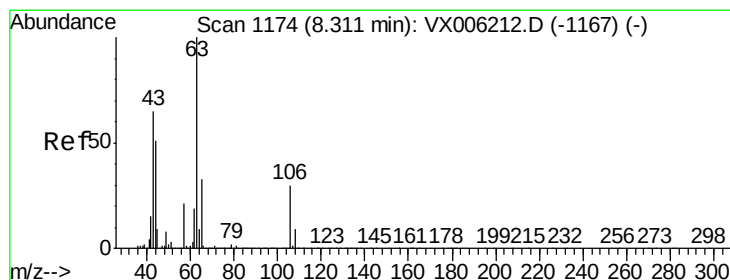
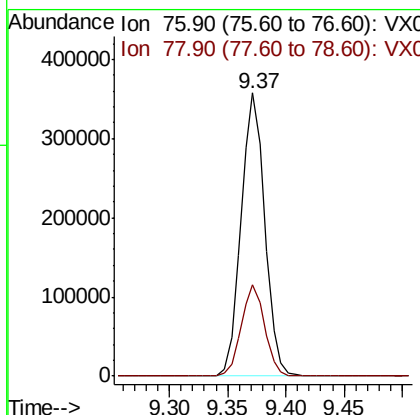
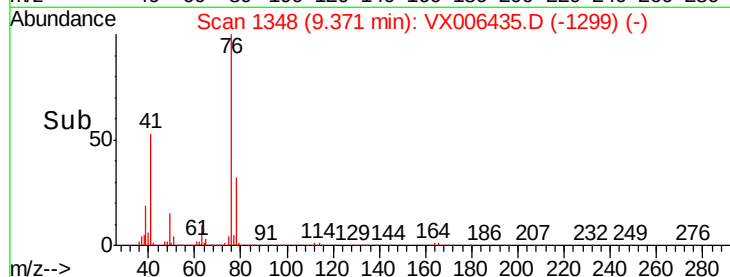
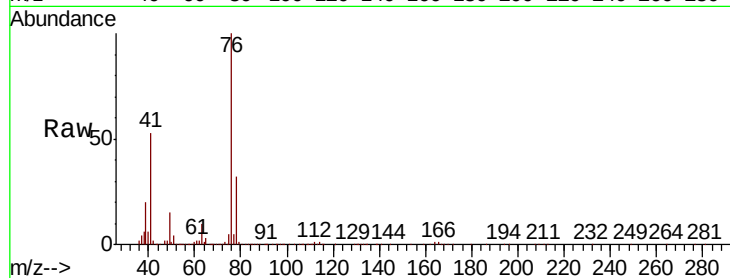
#57
 1,3-Dichloropropane
 Concen: 51.766 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

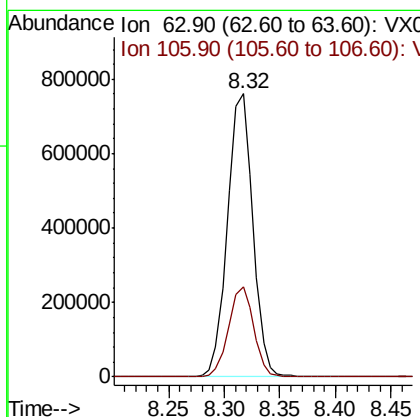
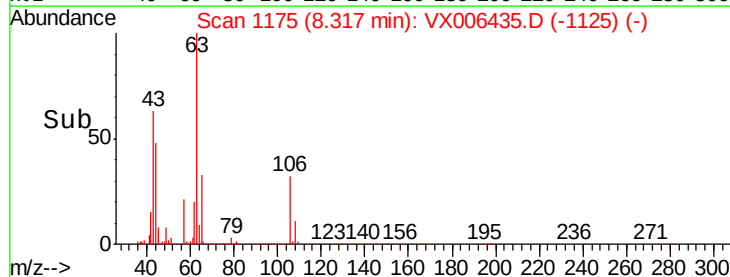
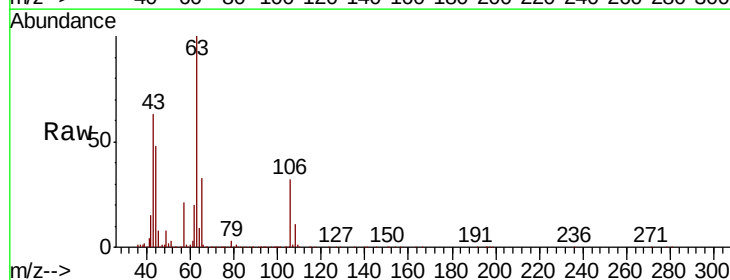
Manual Integrations
 APPROVED

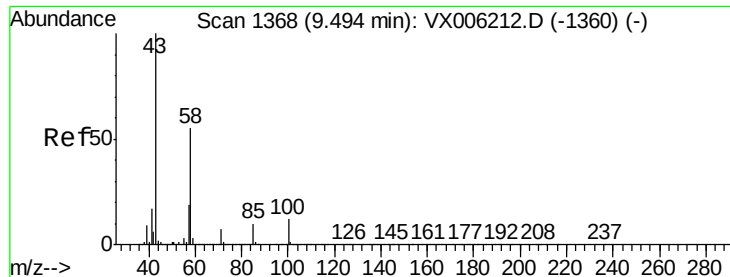
MMDadoda
 12/12/2018 10:40:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.951 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	24.9	37.3





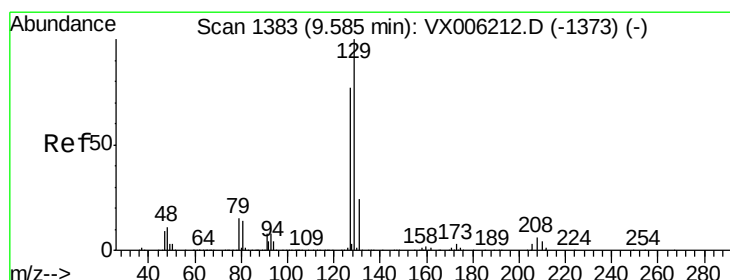
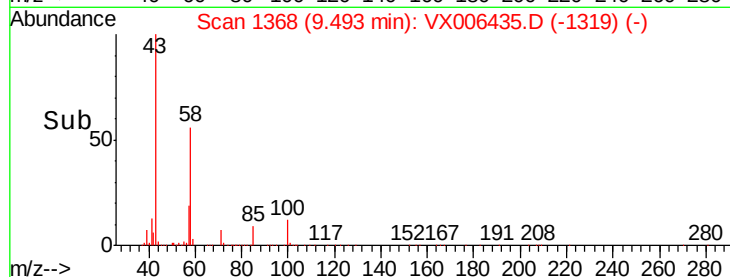
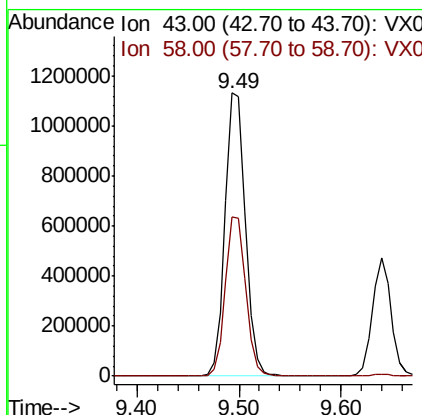
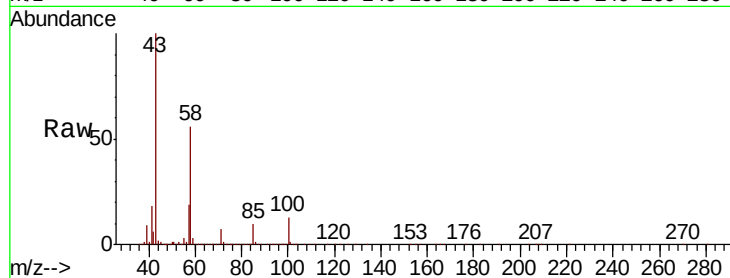
#59
2-Hexanone
Concen: 243.066 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1569496
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1

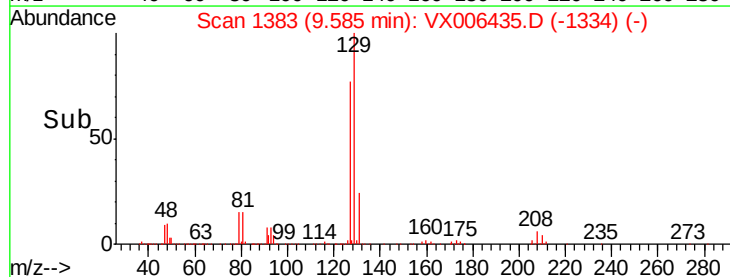
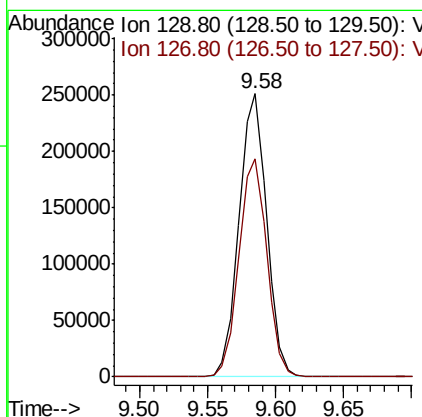
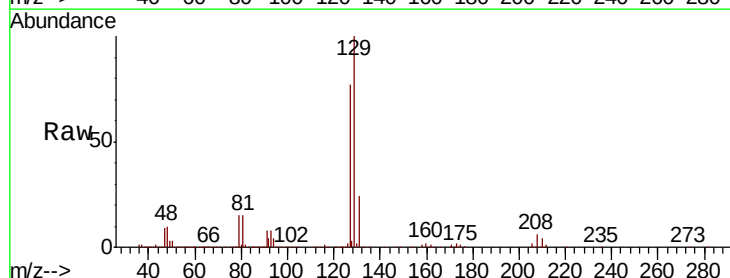
Manual Integrations
APPROVED

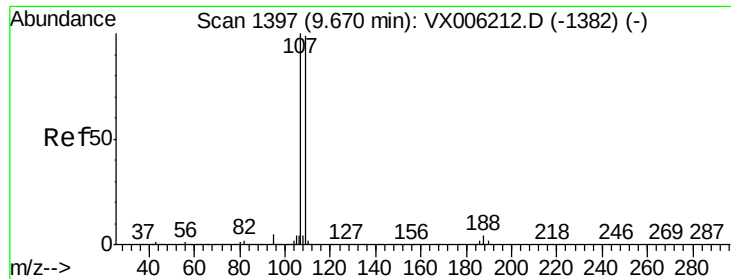
MMDadoda
12/12/2018 10:40:28 AM



#60
Dibromochloromethane
Concen: 46.487 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion: 129 Resp: 356800
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.202 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 349397

Ion Ratio Lower Upper

107 100

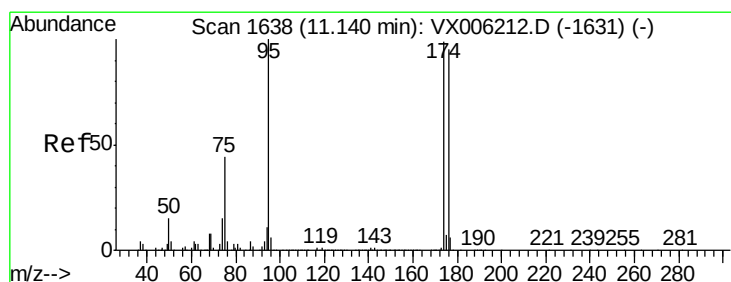
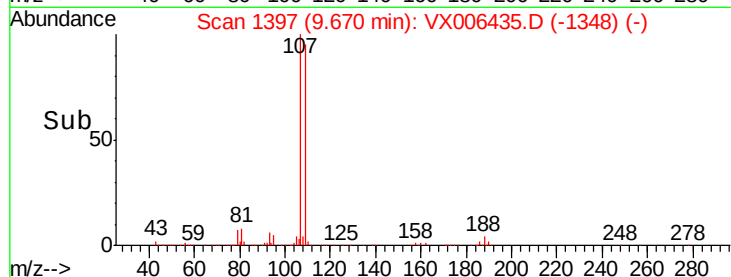
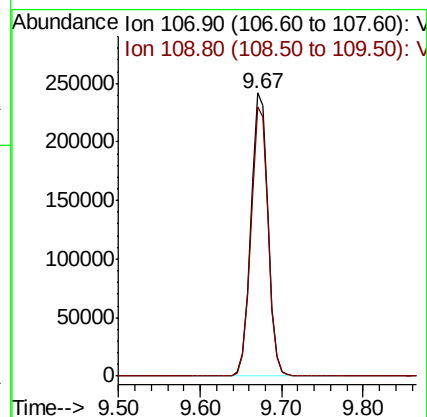
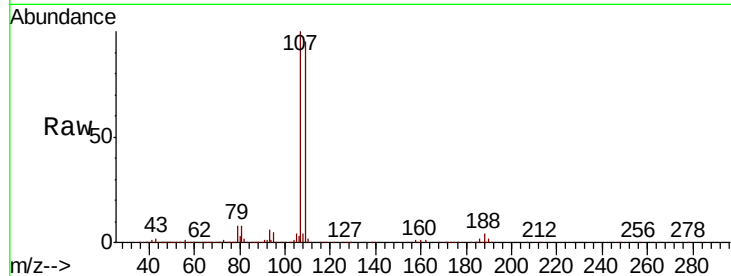
109 95.7 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



#62

4-Bromofluorobenzene

Concen: 51.030 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

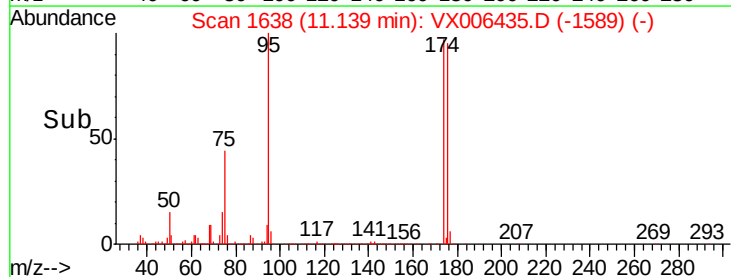
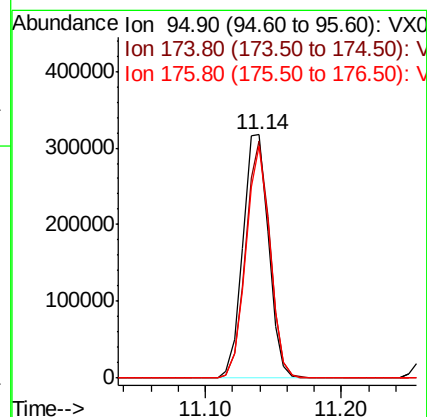
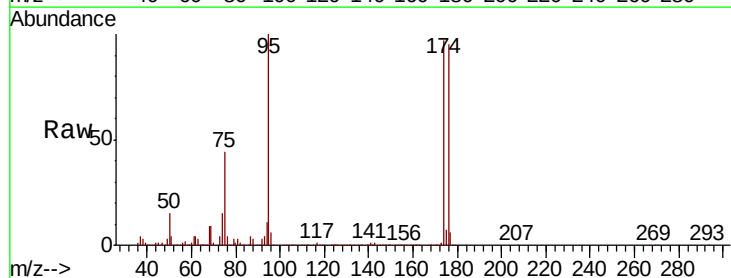
Tgt Ion: 95 Resp: 418164

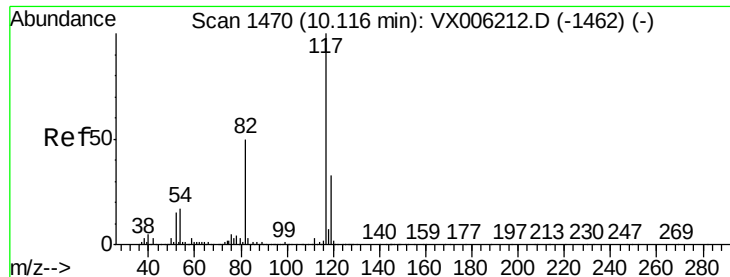
Ion Ratio Lower Upper

95 100

174 91.7 0.0 187.0

176 89.3 0.0 181.8





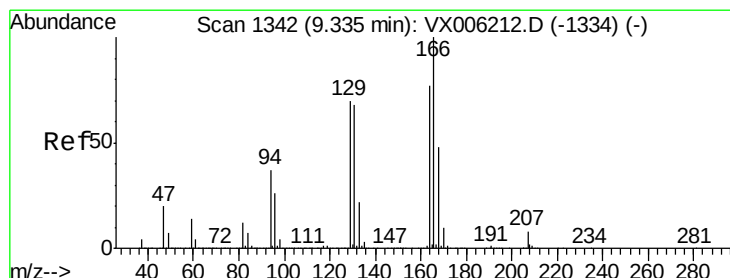
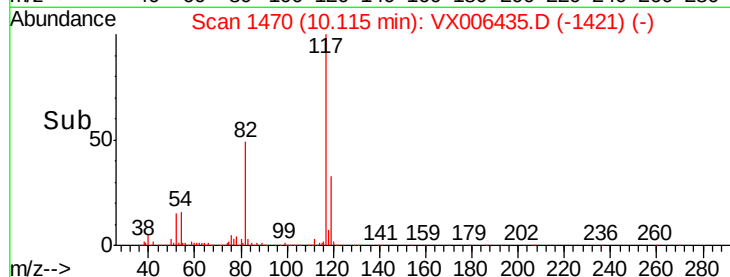
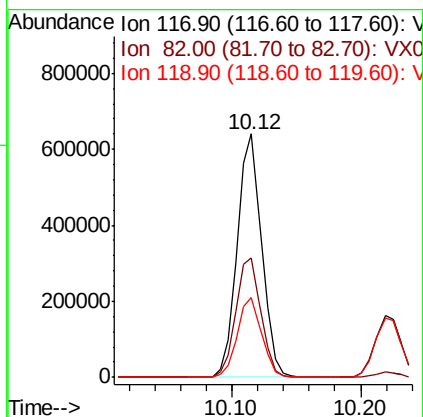
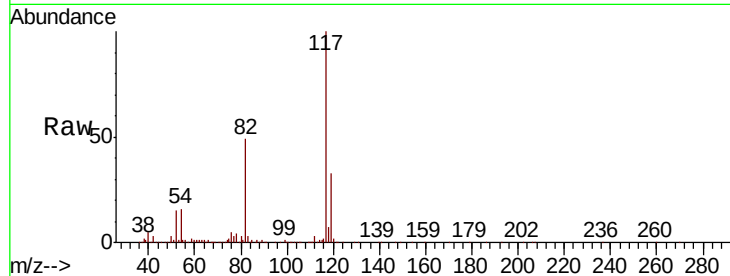
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	39.6	59.4
119	32.6	26.3	39.5

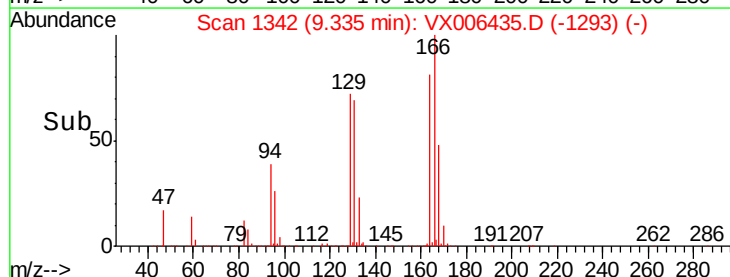
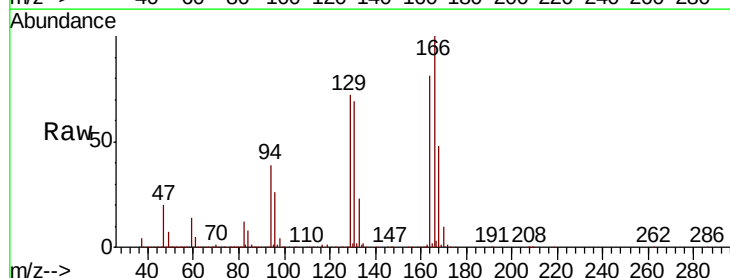
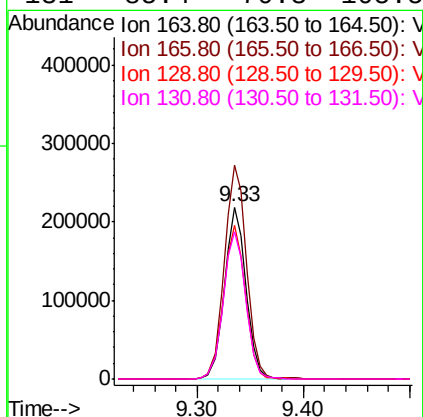
Manual Integrations
APPROVED

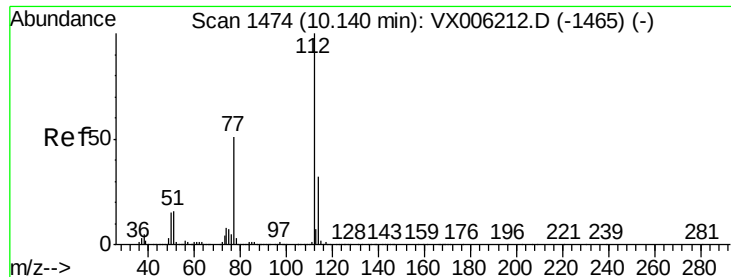
MMDadoda
12/12/2018 10:40:28 AM



#64
Tetrachloroethene
Concen: 48.732 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	104.2	156.2
129	88.9	72.6	108.8
131	85.4	70.3	105.5





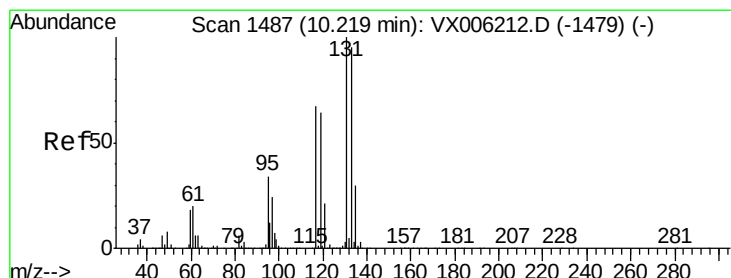
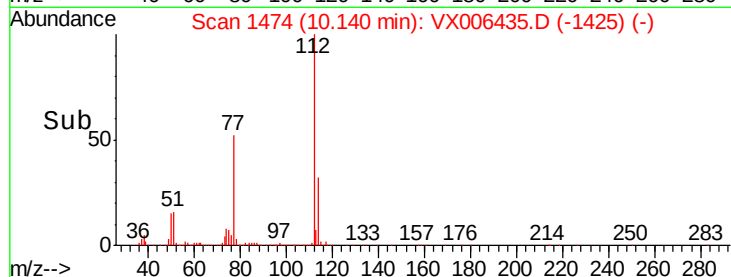
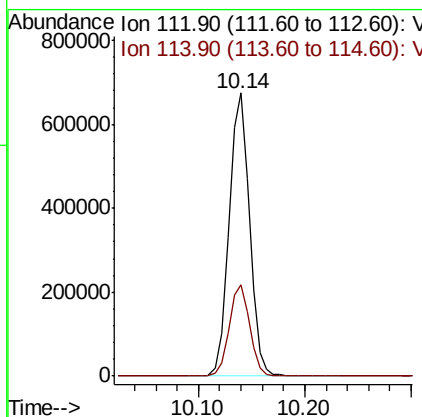
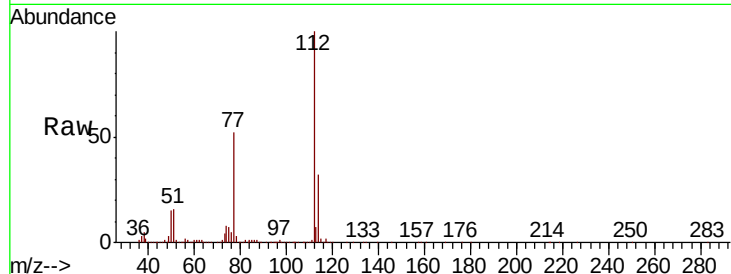
#65
Chlorobenzene
Concen: 50.756 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

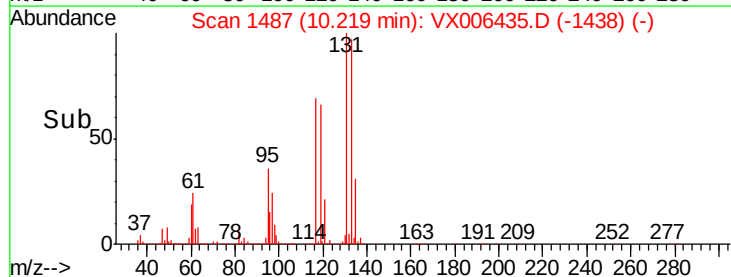
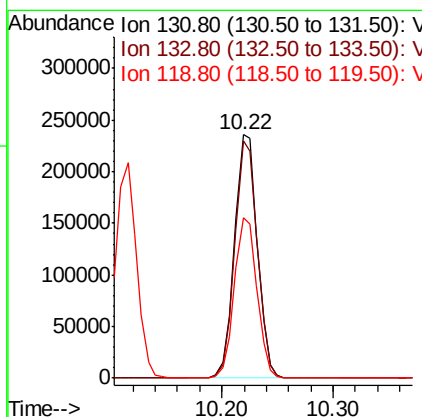
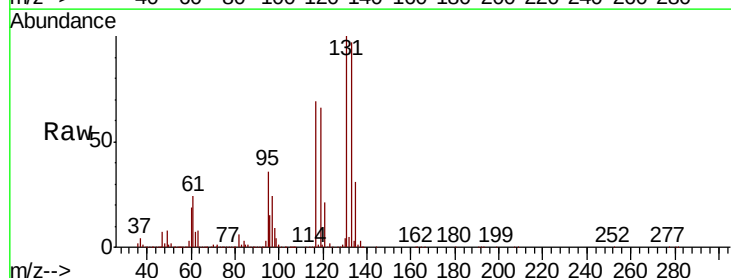
Manual Integrations
APPROVED

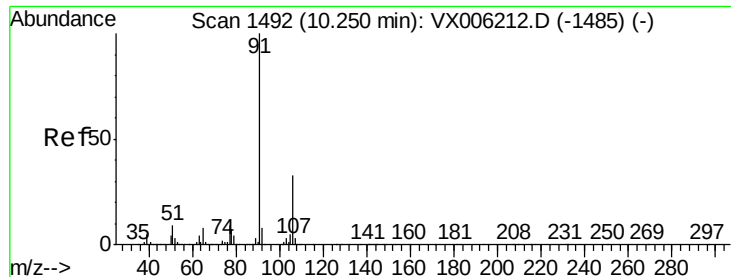
MMDadoda
12/12/2018 10:40:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.033 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.1	144.4
119	65.5	32.1	96.3





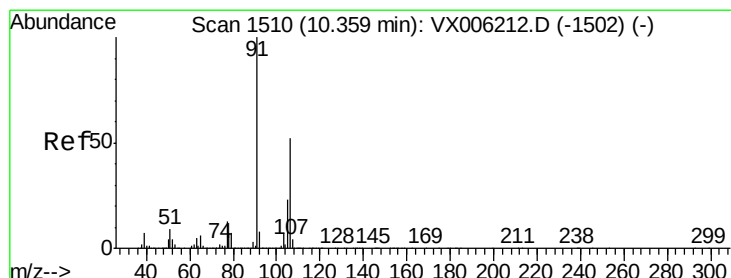
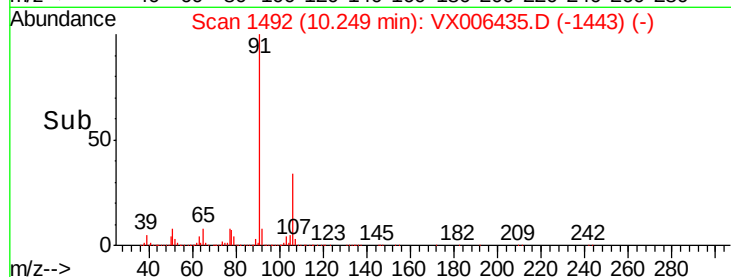
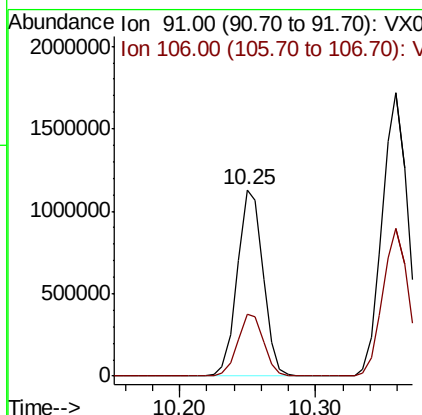
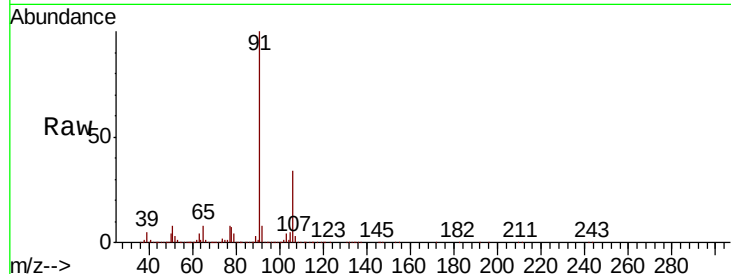
#67
Ethyl Benzene
Concen: 49.968 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1486983
Ion Ratio Lower Upper
91 100
106 33.5 26.5 39.7

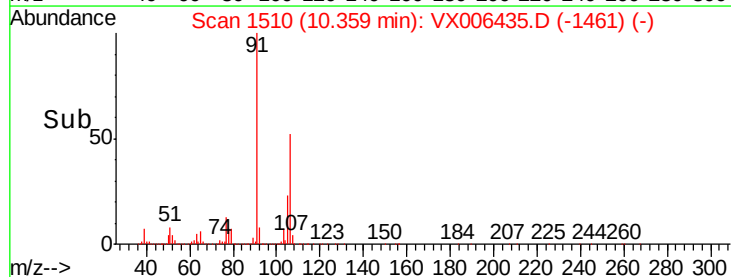
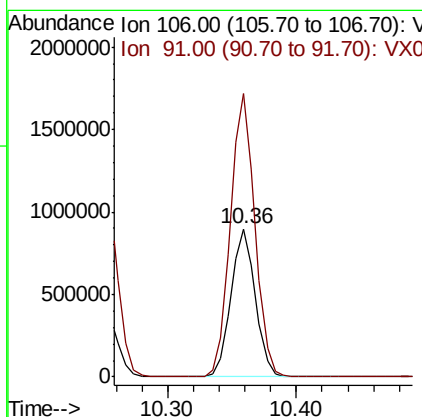
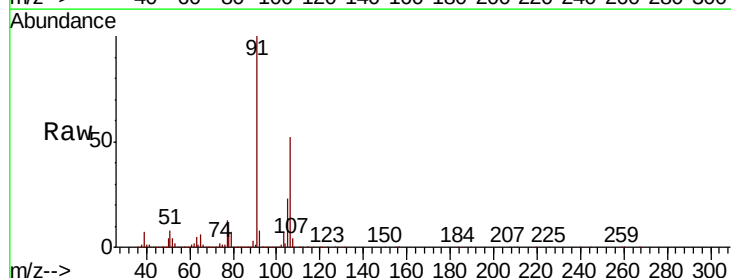
Manual Integrations
APPROVED

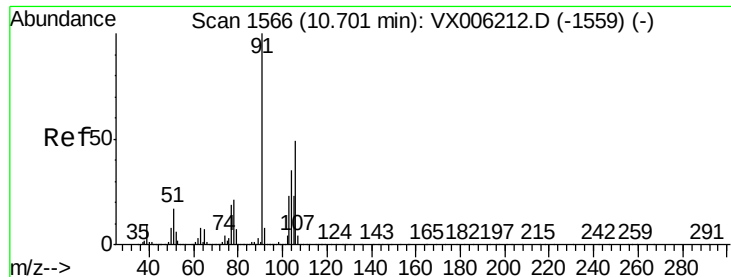
MMDadoda
12/12/2018 10:40:28 AM



#68
m/p-Xylenes
Concen: 99.272 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion: 106 Resp: 1183372
Ion Ratio Lower Upper
106 100
91 192.7 155.2 232.8





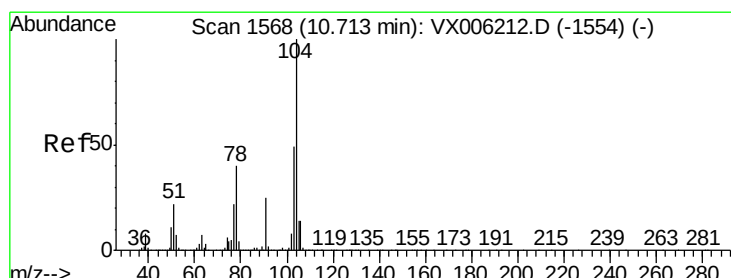
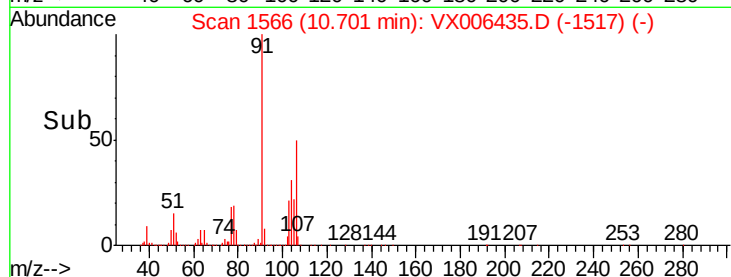
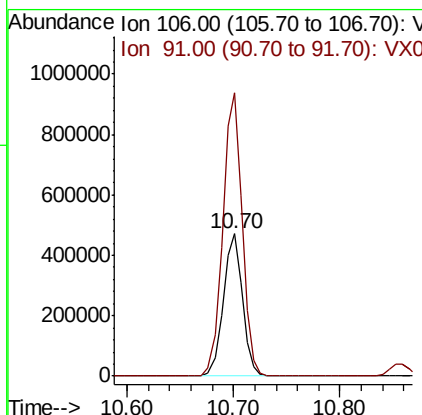
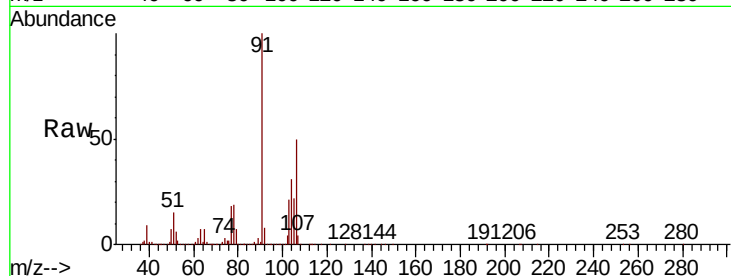
#69
o-Xylene
Concen: 50.001 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.2	101.8	305.6

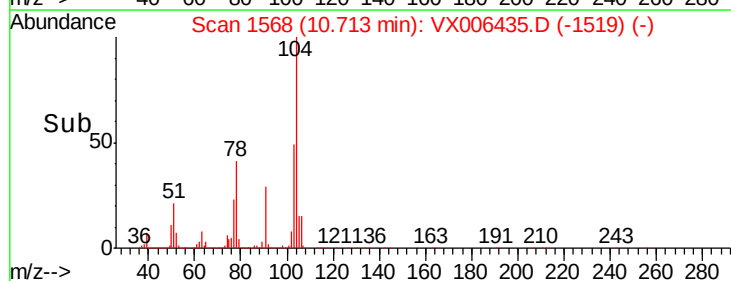
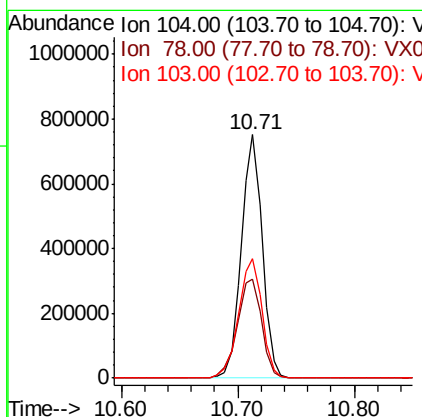
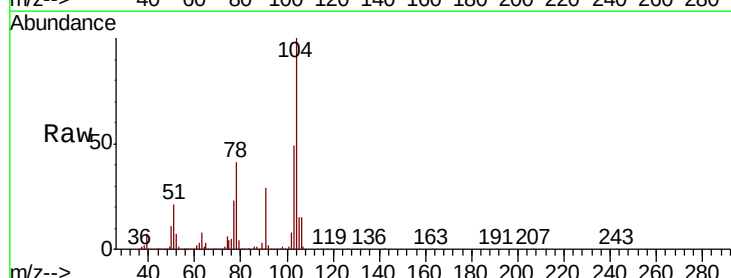
Manual Integrations
APPROVED

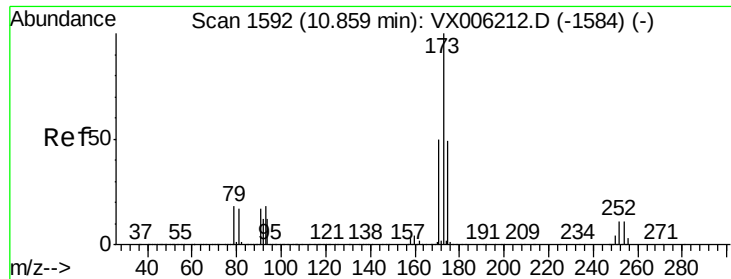
MMDadoda
12/12/2018 10:40:28 AM



#70
Styrene
Concen: 49.637 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.2	55.8
103	54.9	43.5	65.3





#71

Bromoform

Concen: 42.195 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

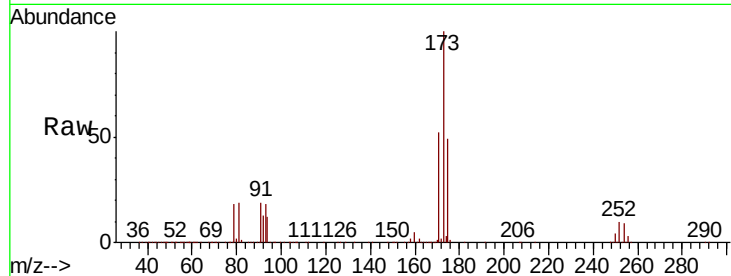
ClientSampleId :

VSTDCCC050EC

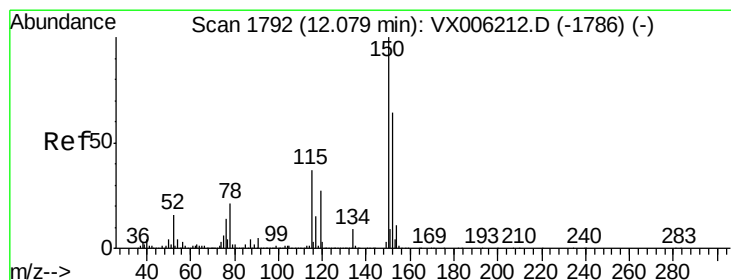
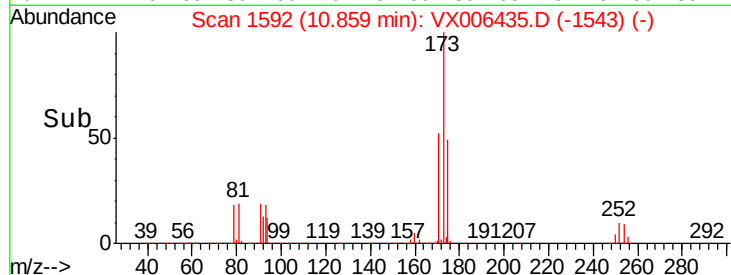
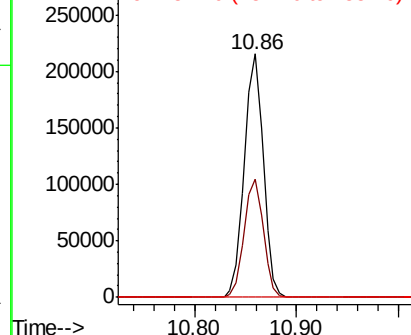
Tot Ion:	173	Resp:	276902
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

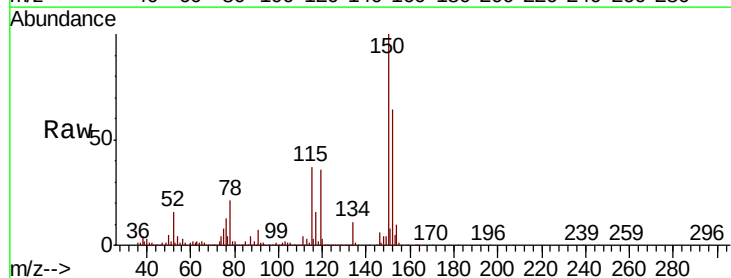
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

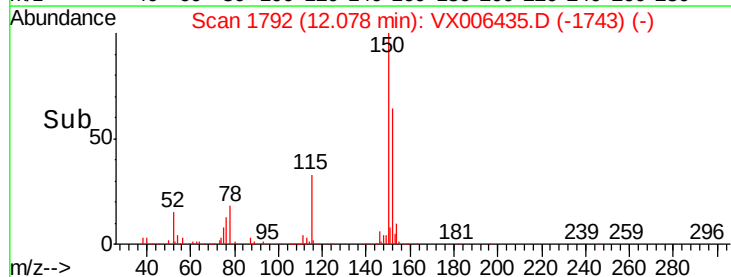
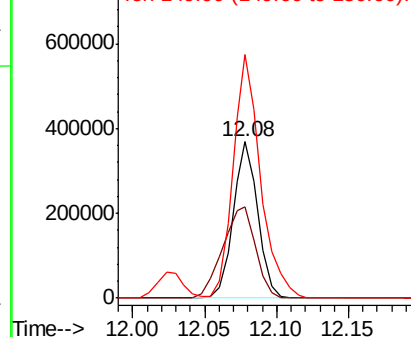
Lab File: VX006435.D

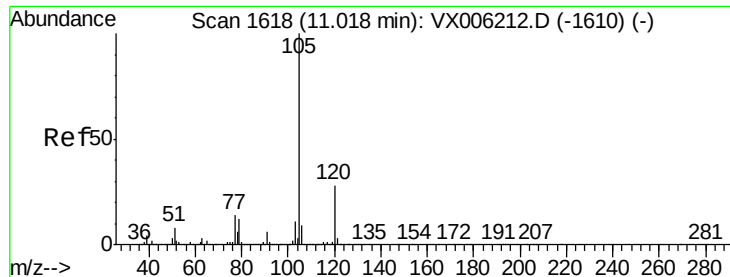
Acq: 11 Dec 2018 21:44

Tgt Ion:	152	Resp:	440617
Ion Ratio	Lower	Upper	
152	100		
115	77.8	39.0	116.9
150	173.4	0.0	345.8



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





#73

Isopropylbenzene

Concen: 51.099 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1554861

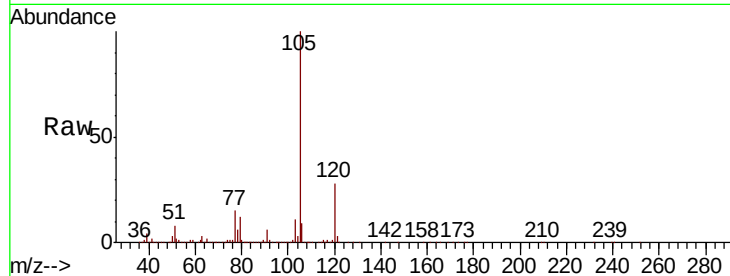
Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.3

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

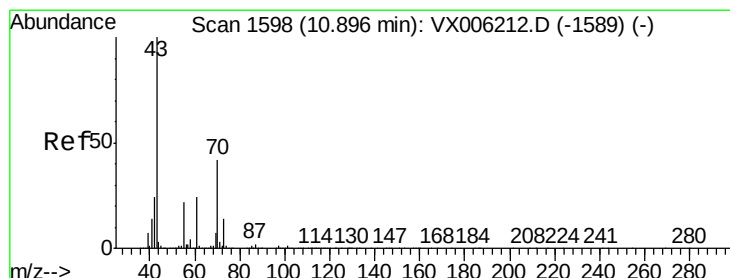
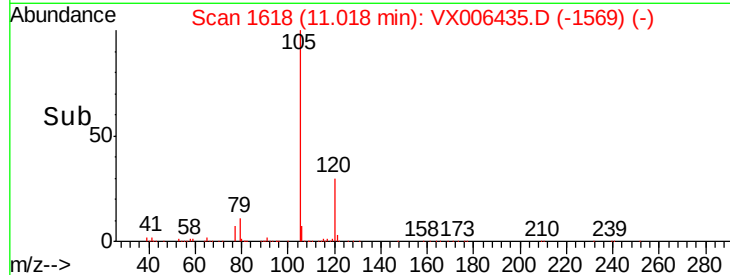
11.02

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 45.425 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion: 43 Resp: 595212

Ion Ratio Lower Upper

43 100

70 45.0 34.1 51.1

55 24.2 17.8 26.8

61 25.6 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

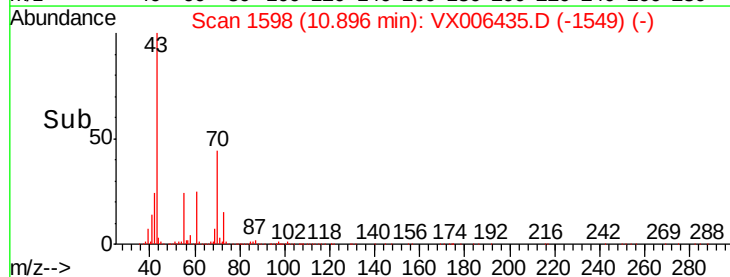
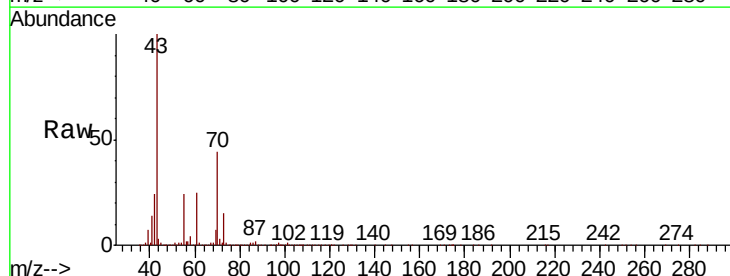
600000

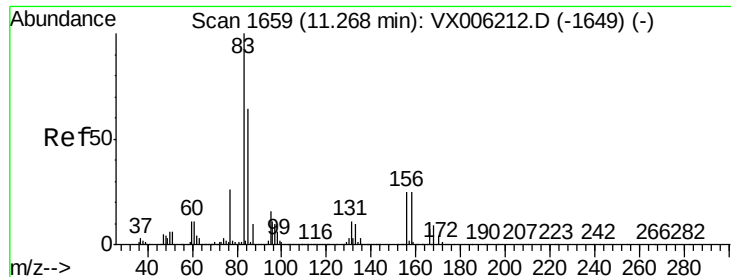
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.884 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

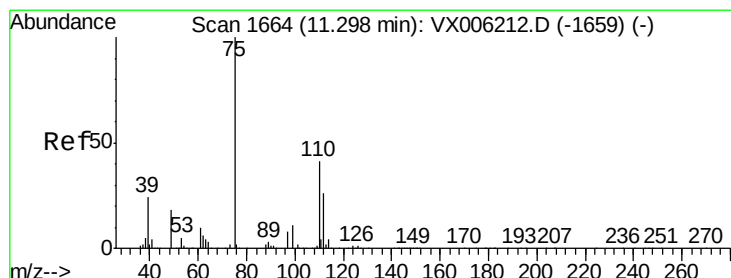
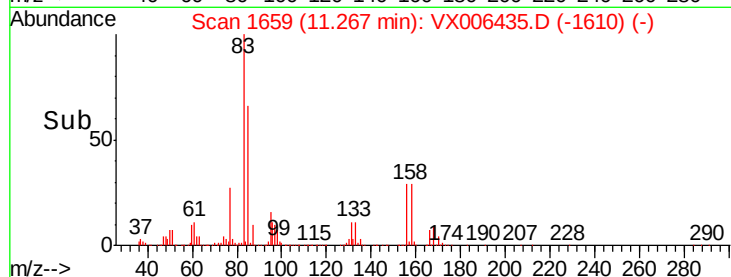
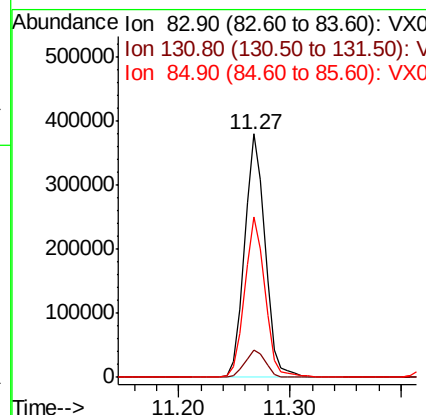
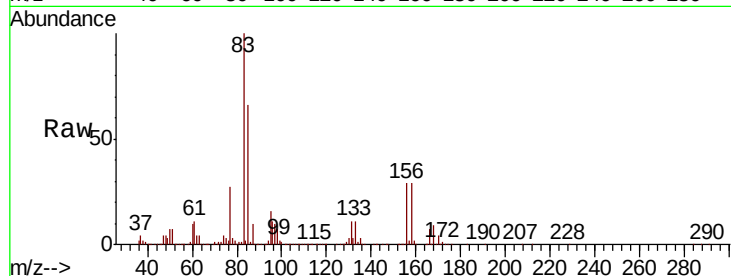
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	485607
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	65.1	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#76

1,2,3-Trichloropropane

Concen: 51.853 ug/l m

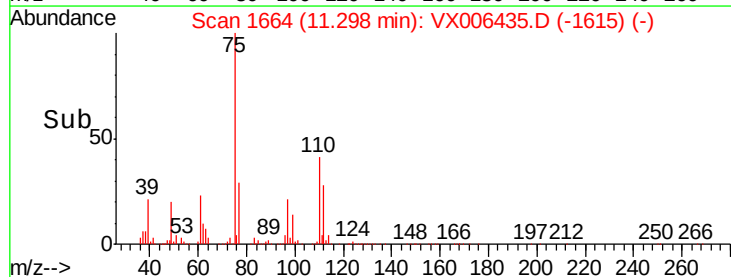
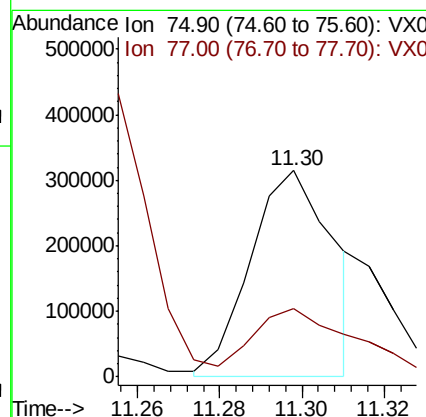
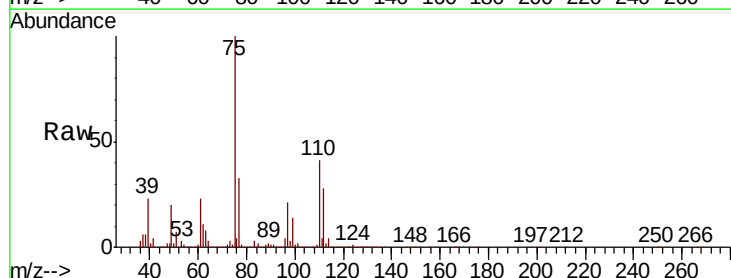
RT: 11.30 min Scan# 1664

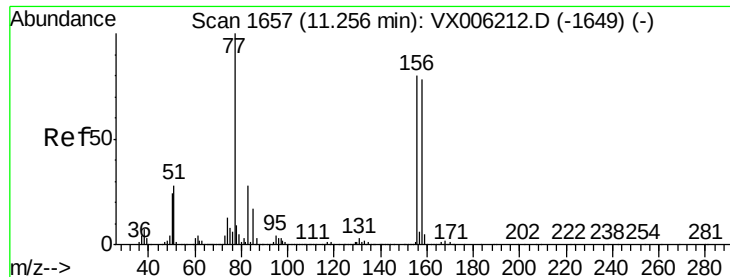
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	75	Resp:	440993
Ion Ratio	Lower	Upper	
75	100		
77	40.6	19.9	59.7





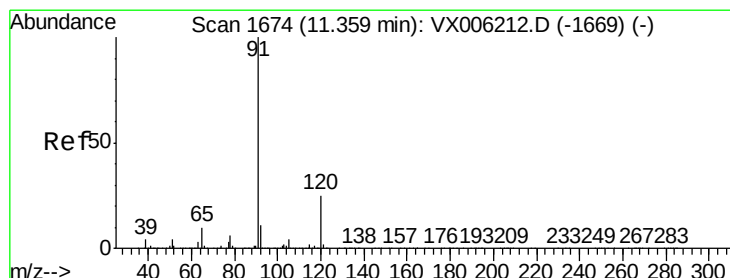
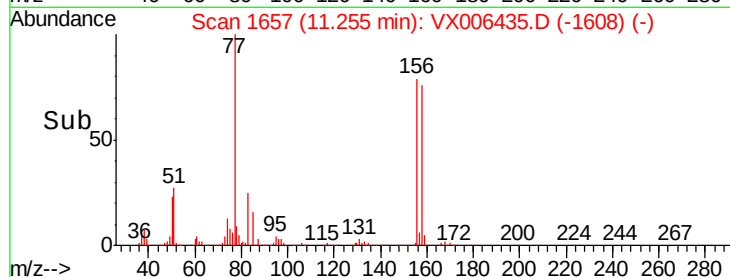
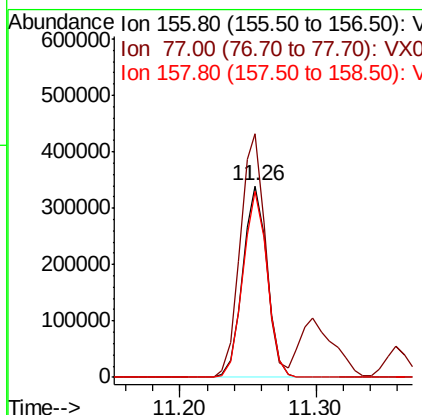
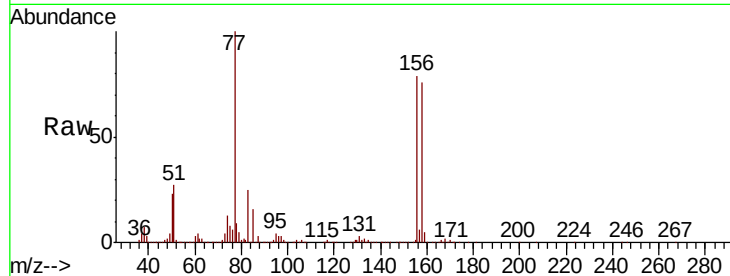
#77
Bromobenzene
Concen: 50.125 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.4	66.2	198.6
158	97.1	48.8	146.4

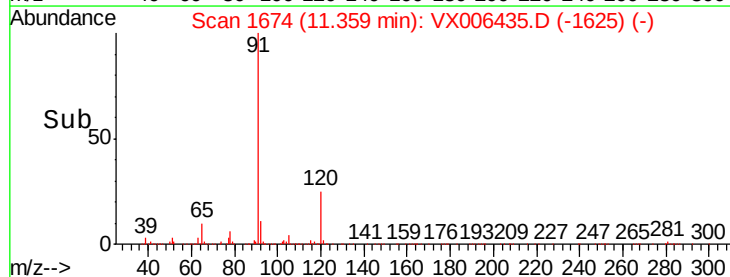
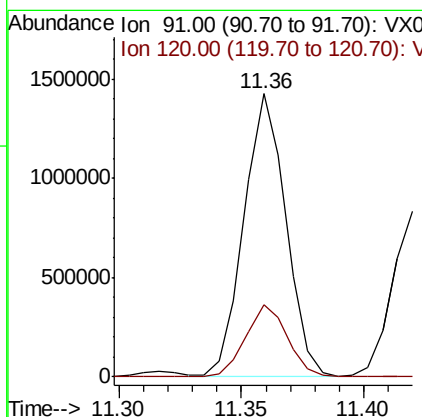
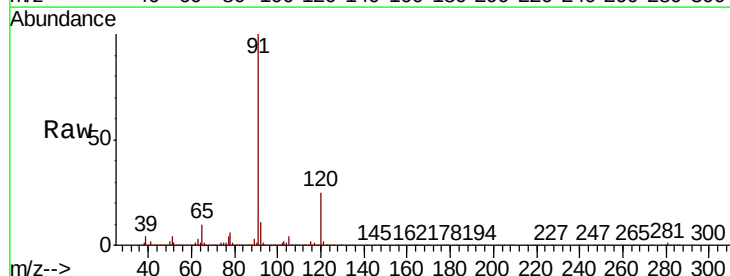
Manual Integrations
APPROVED

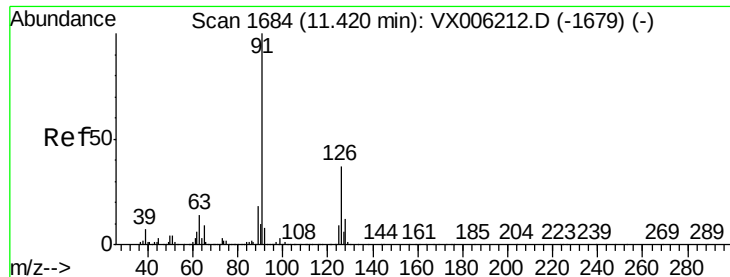
MMDadoda
12/12/2018 10:40:28 AM



#78
n-propylbenzene
Concen: 50.055 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.5	12.7	38.0





#79

2-Chlorotoluene

Concen: 50.210 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1009403

Ion Ratio Lower Upper

91 100

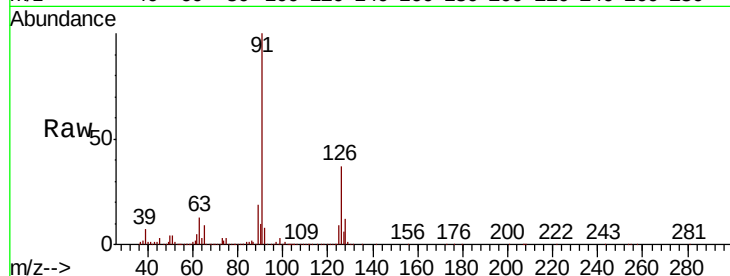
126 37.6 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

12/12/2018 10:40:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006212.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006212.D (-1679) (-)

1500000

1000000

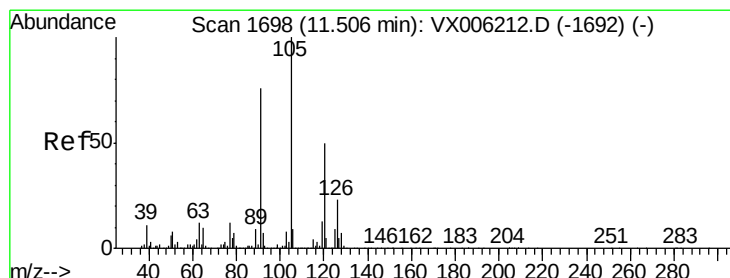
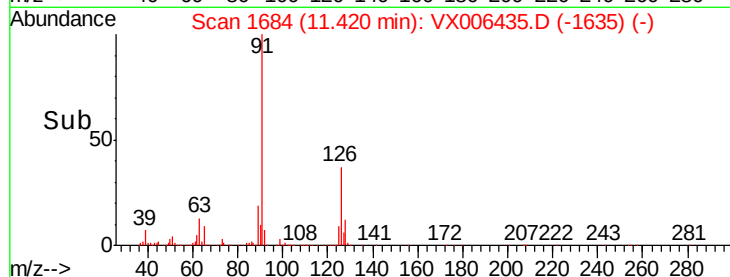
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.970 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006435.D

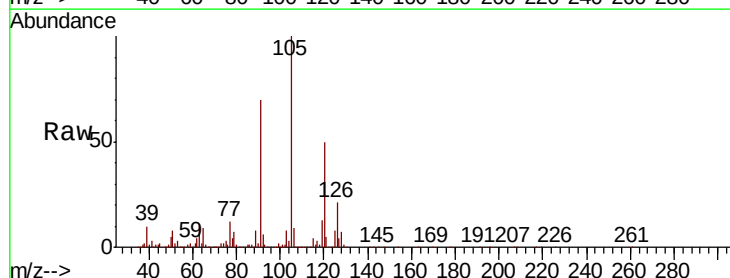
Acq: 11 Dec 2018 21:44

Tgt Ion:105 Resp: 1265119

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006212.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006212.D (-1692) (-)

1200000

1000000

800000

600000

400000

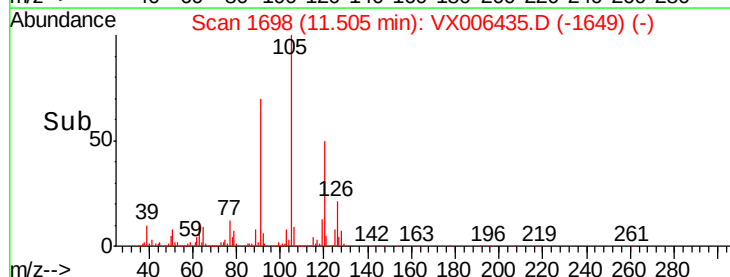
200000

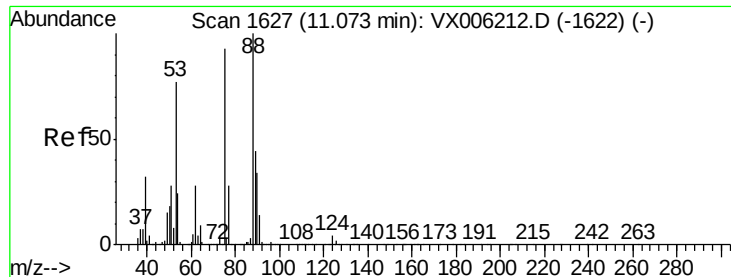
0

11.51

11.60

Time-->





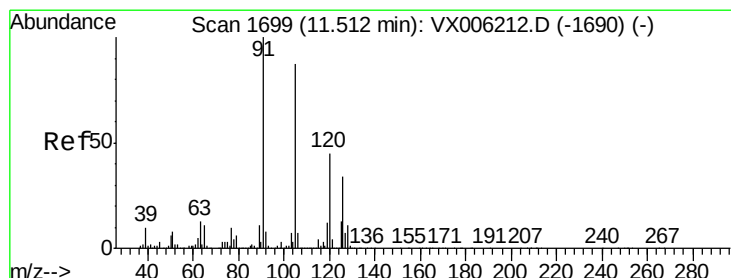
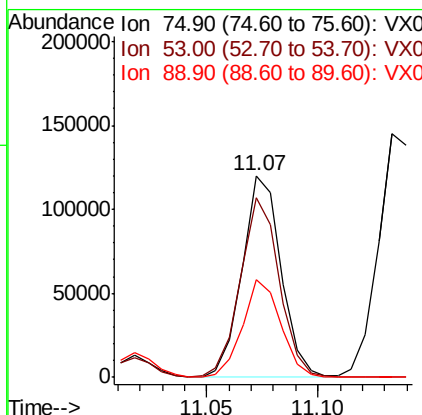
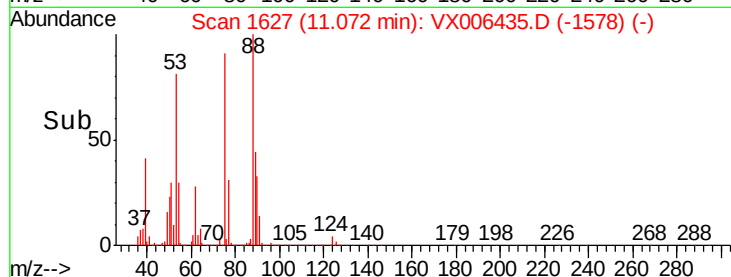
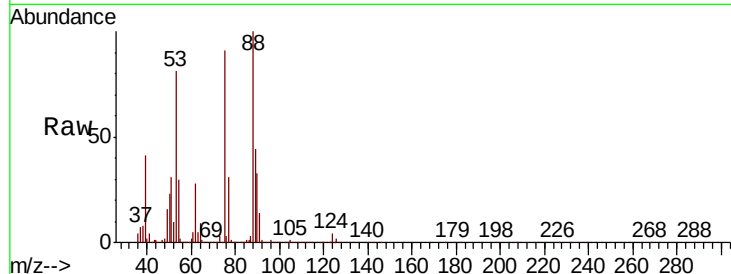
#81
trans-1,4-Dichloro-2-butene
Concen: 40.584 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.0	64.4	96.6
89	47.1	44.2	66.4

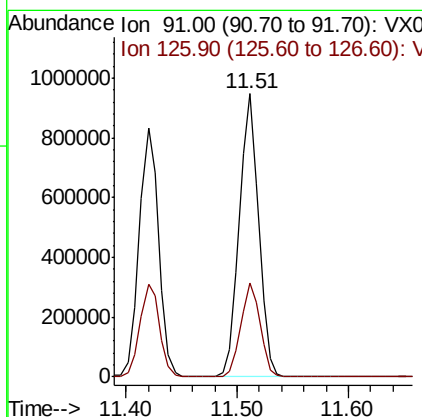
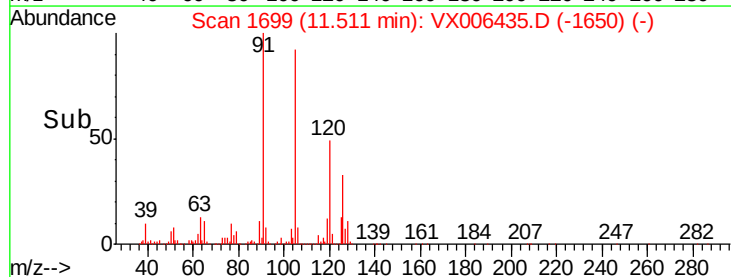
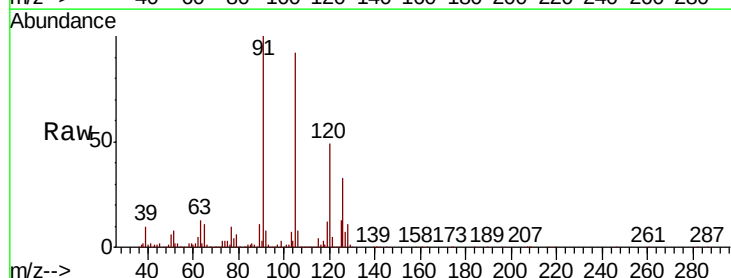
Manual Integrations
APPROVED

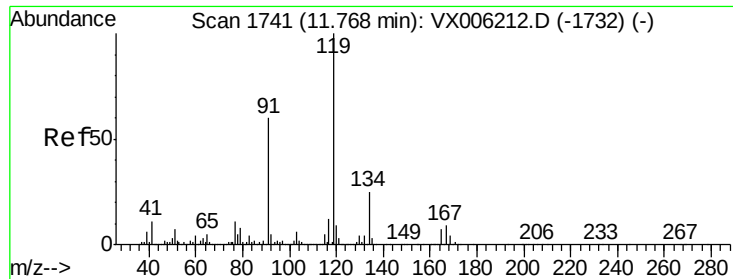
MMDadoda
12/12/2018 10:40:28 AM



#82
4-Chlorotoluene
Concen: 49.074 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





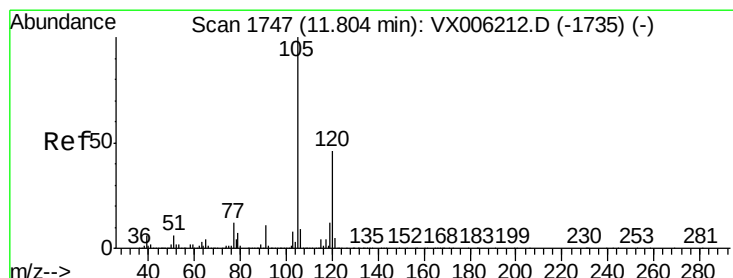
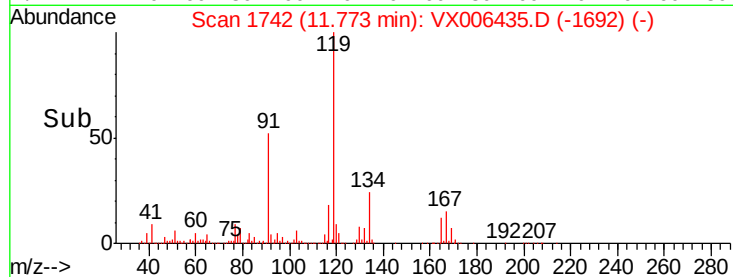
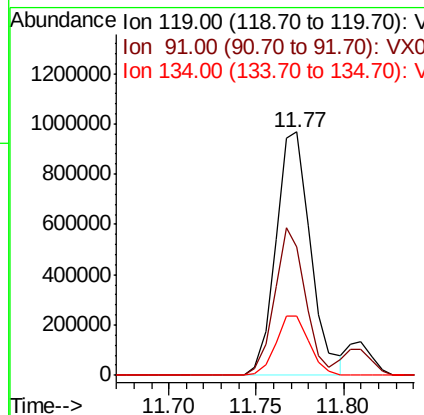
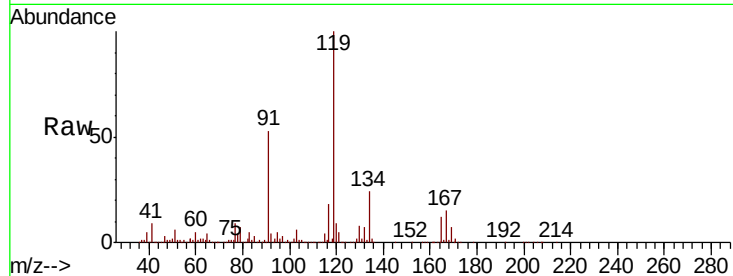
#83
tert-Butylbenzene
Concen: 49.773 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1344499
Ion Ratio Lower Upper
119 100
91 53.7 26.4 79.2
134 23.5 11.6 34.7

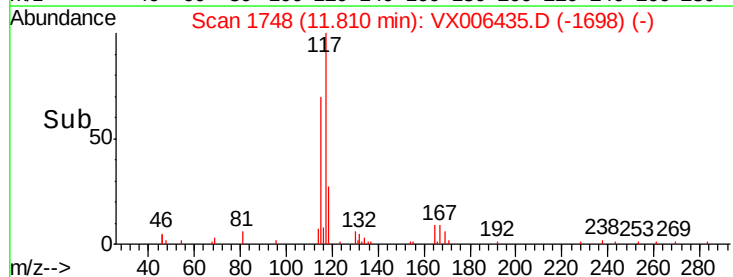
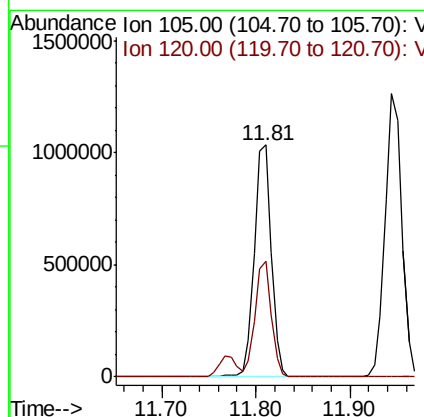
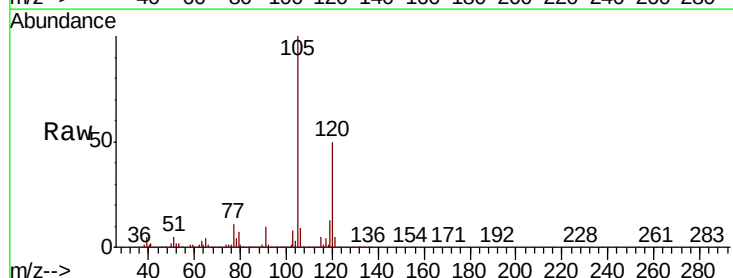
Manual Integrations
APPROVED

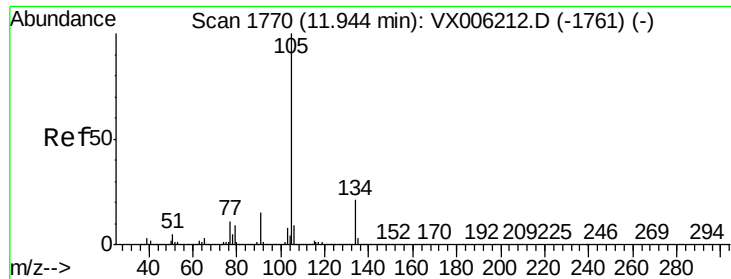
MMDadoda
12/12/2018 10:40:28 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.835 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion:105 Resp: 1302799
Ion Ratio Lower Upper
105 100
120 47.7 23.4 70.0





#85

sec-Butylbenzene

Concen: 50.870 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1563278

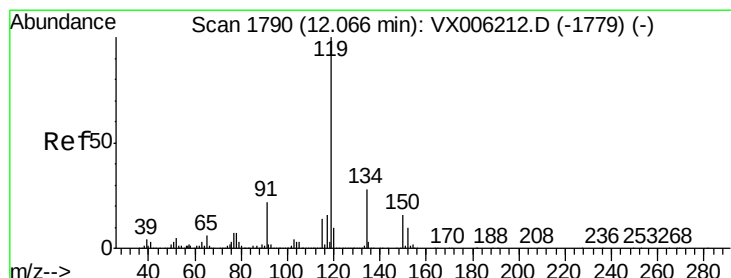
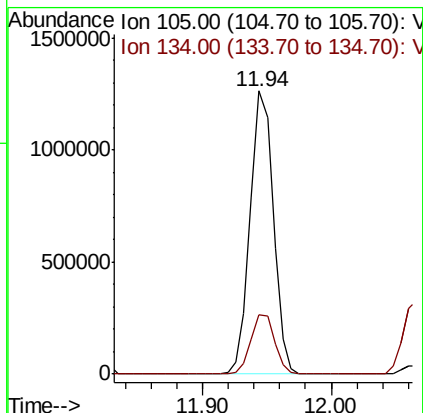
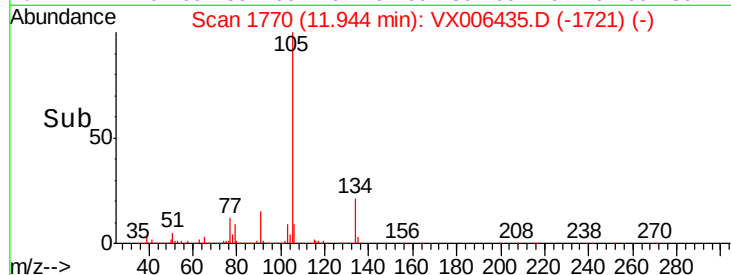
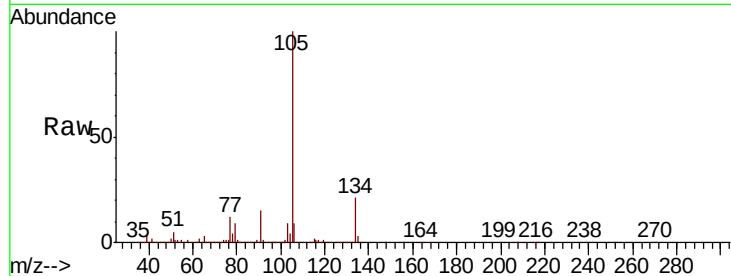
Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.4

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#86

p-Isopropyltoluene

Concen: 50.723 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

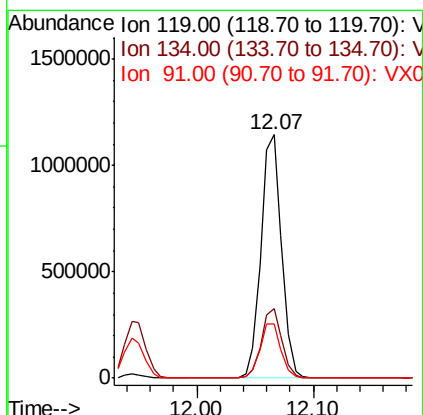
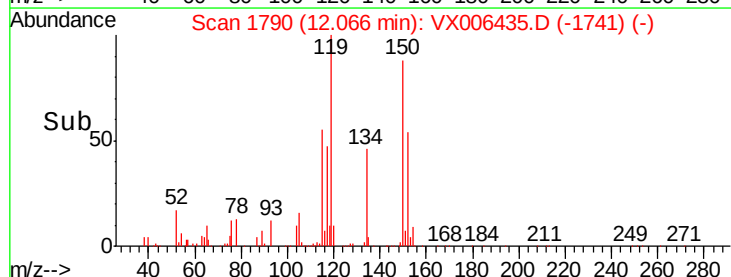
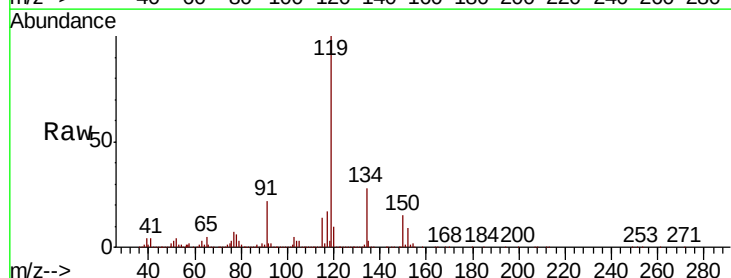
Tgt Ion:119 Resp: 1403588

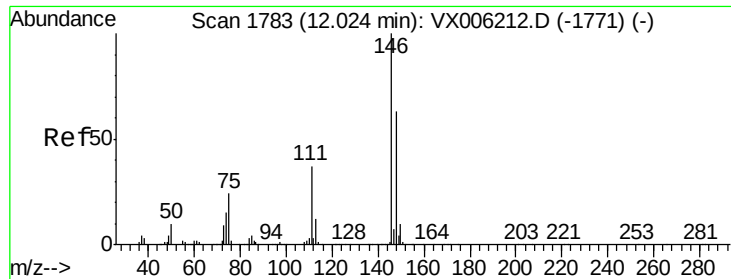
Ion Ratio Lower Upper

119 100

134 28.2 13.9 41.6

91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 50.142 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

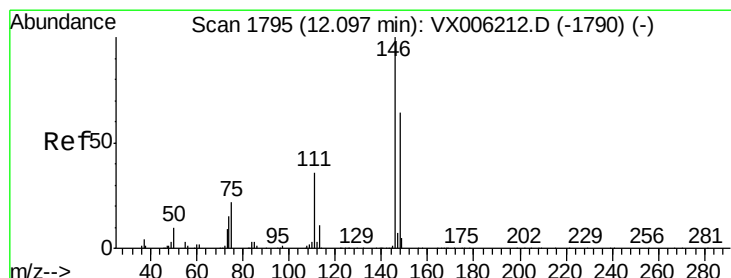
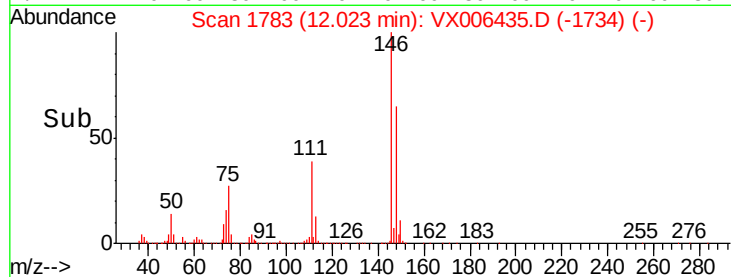
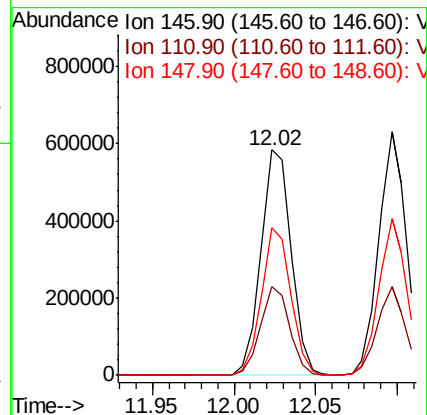
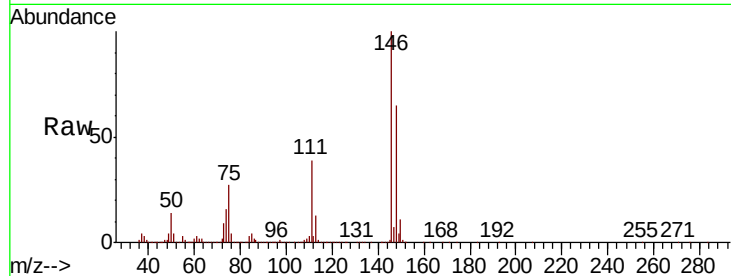
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	753417
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.4	55.2
148	63.8	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#88

1,4-Dichlorobenzene

Concen: 49.102 ug/l

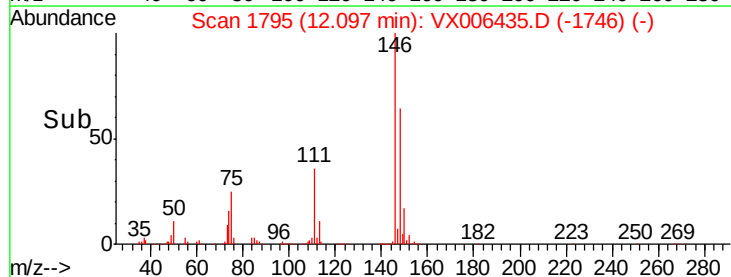
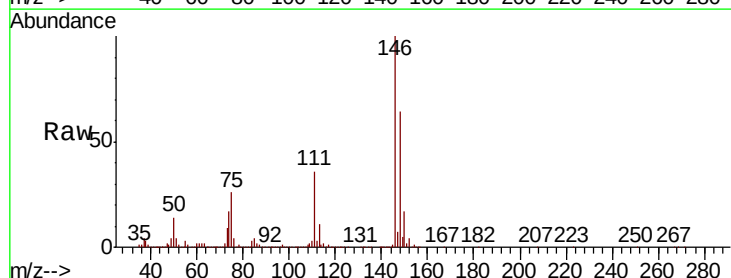
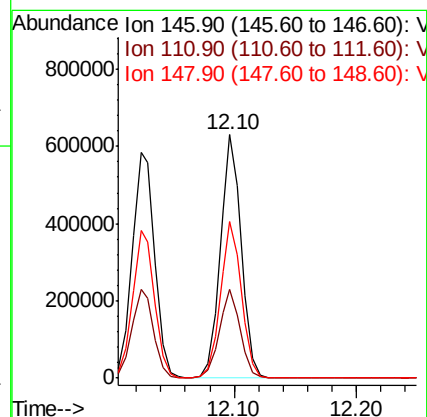
RT: 12.10 min Scan# 1795

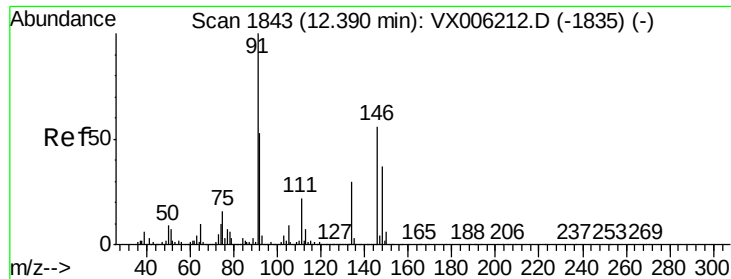
Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	146	Resp:	748835
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.3	54.8
148	64.6	31.9	95.9





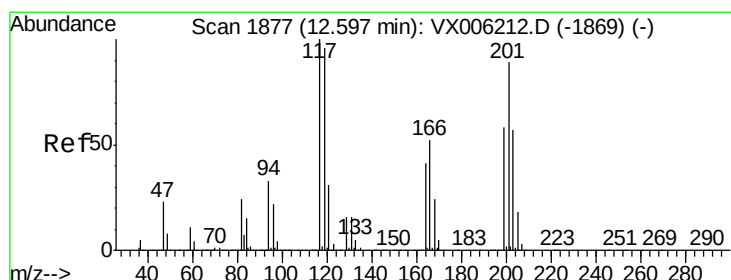
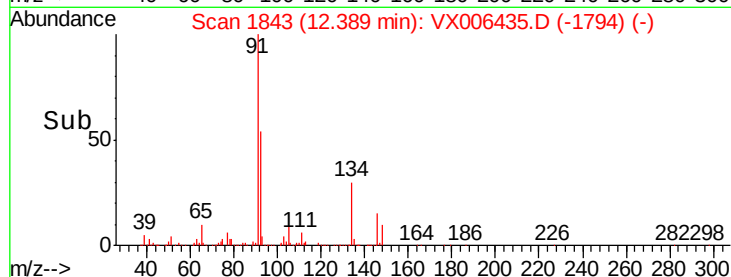
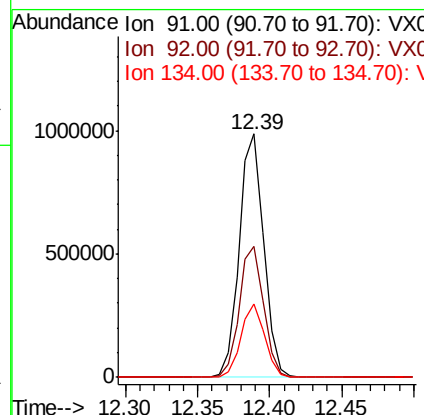
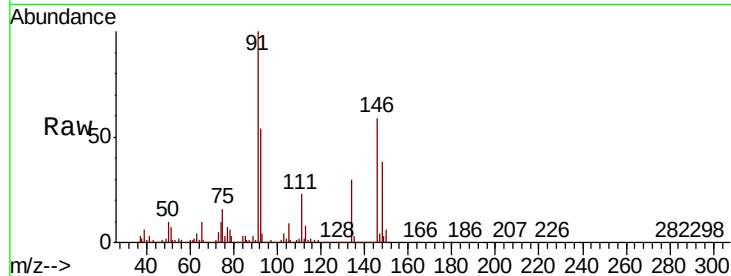
#89
n-Butylbenzene
Concen: 49.597 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1171034
Ion Ratio Lower Upper
91 100
92 53.7 26.6 79.8
134 29.3 14.8 44.3

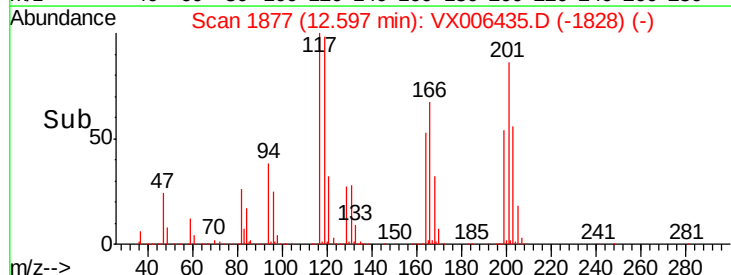
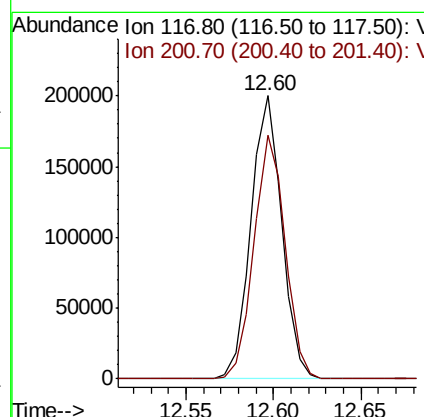
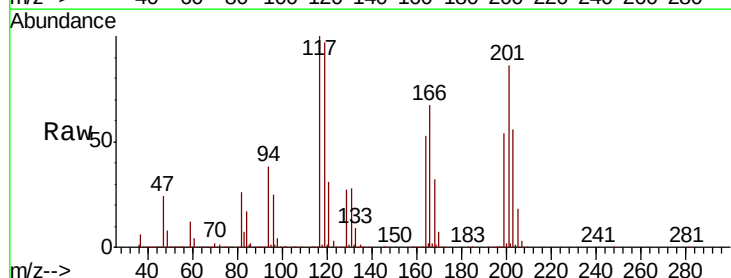
Manual Integrations
APPROVED

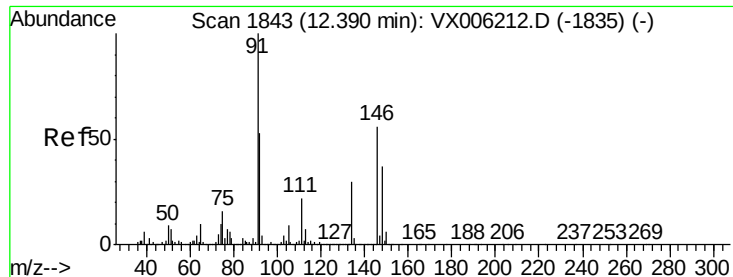
MMDadoda
12/12/2018 10:40:28 AM



#90
Hexachloroethane
Concen: 43.379 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006435.D
Acq: 11 Dec 2018 21:44

Tgt Ion: 117 Resp: 244653
Ion Ratio Lower Upper
117 100
201 87.4 44.7 134.1





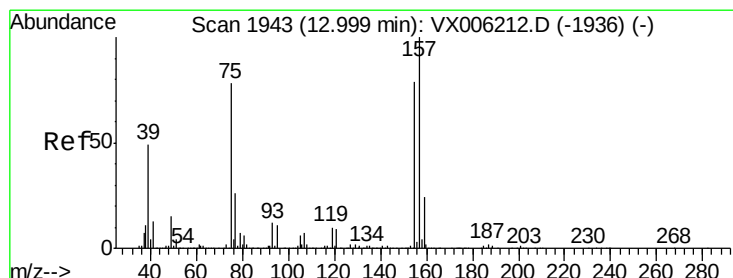
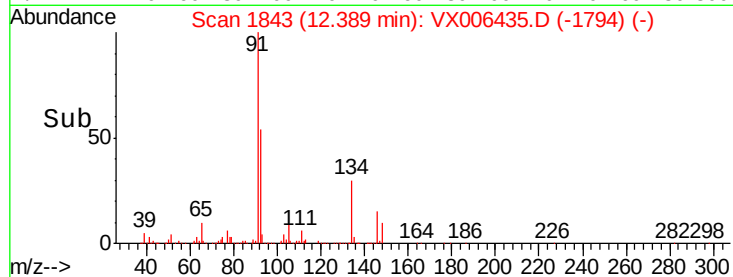
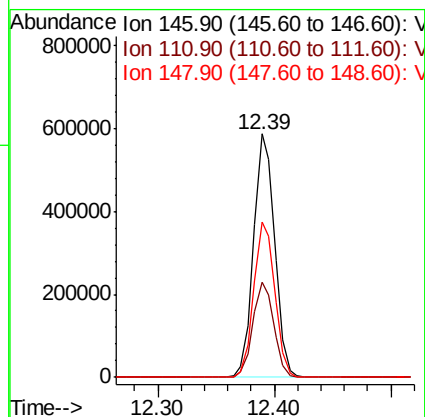
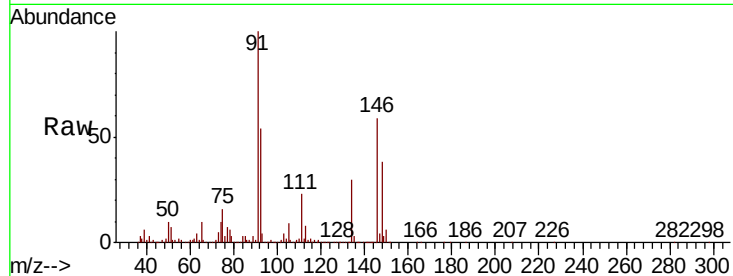
#91
 1,2-Dichlorobenzene
 Concen: 49.709 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.3
148	64.0	32.1	96.3

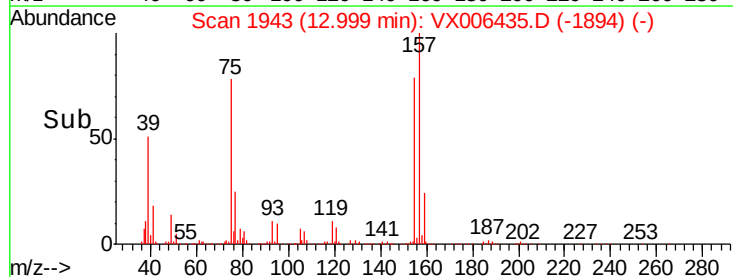
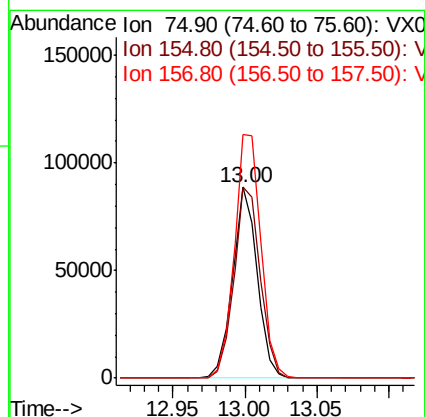
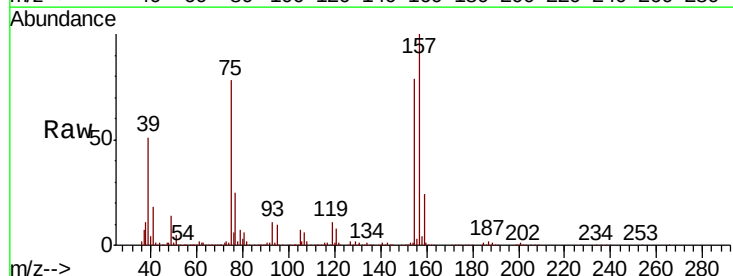
Manual Integrations
 APPROVED

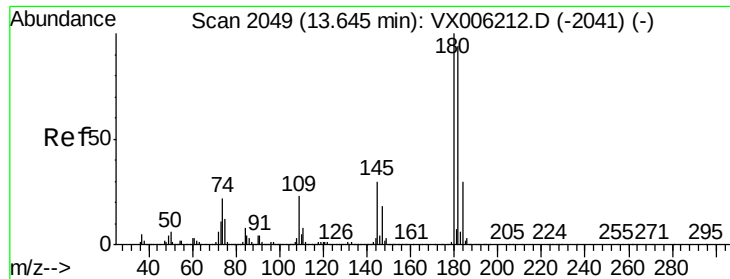
MMDadoda
 12/12/2018 10:40:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.808 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	53.4	160.3
157	137.0	68.0	203.8





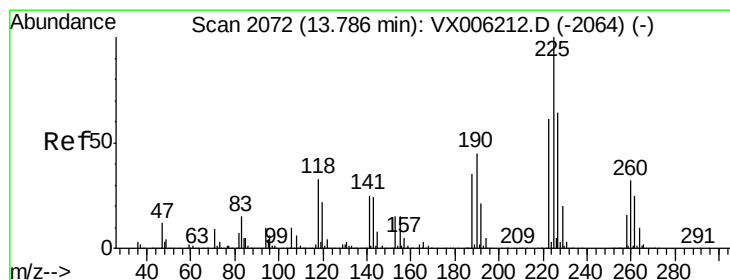
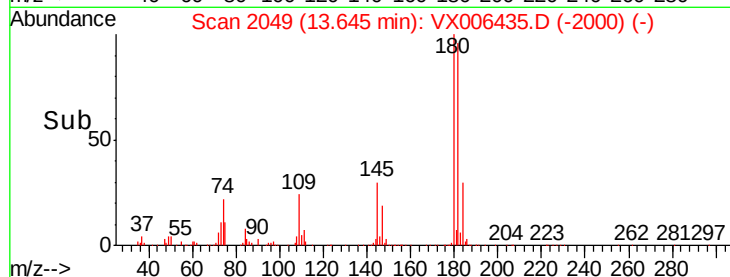
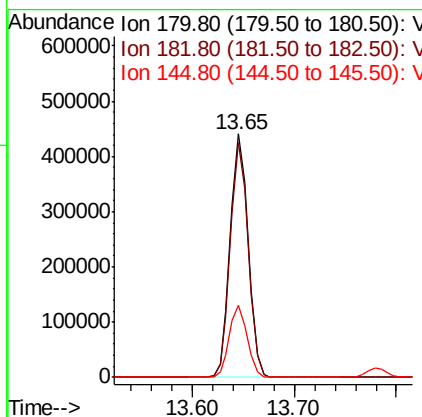
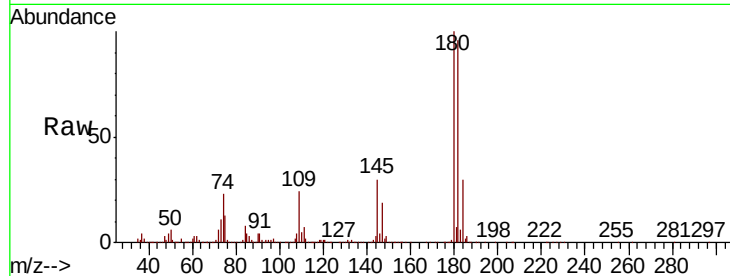
#93
 1,2,4-Trichlorobenzene
 Concen: 49.083 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	533998		
182	95.6	47.3	141.9	
145	29.7	14.6	43.8	

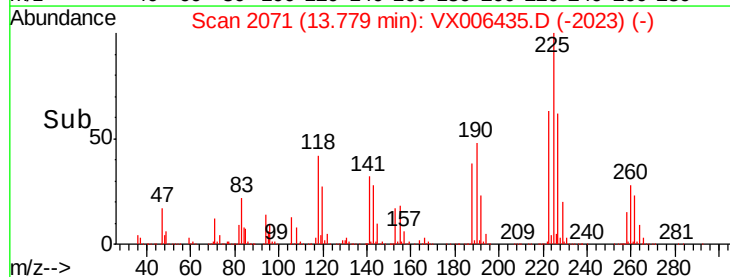
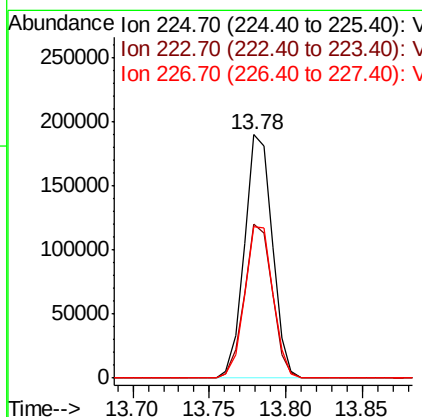
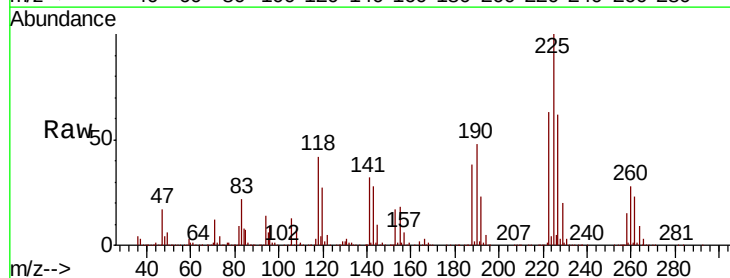
Manual Integrations
 APPROVED

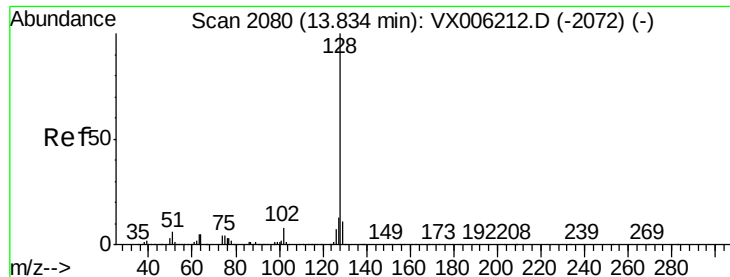
MMDadoda
 12/12/2018 10:40:28 AM



#94
 Hexachlorobutadiene
 Concen: 49.838 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006435.D
 Acq: 11 Dec 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	239789		
223	63.0	31.2	93.6	
227	63.2	31.9	95.5	





#95

Naphthalene

Concen: 50.512 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Instrument :

MSVOA_X

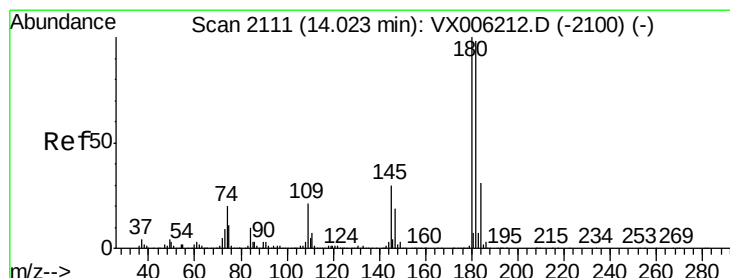
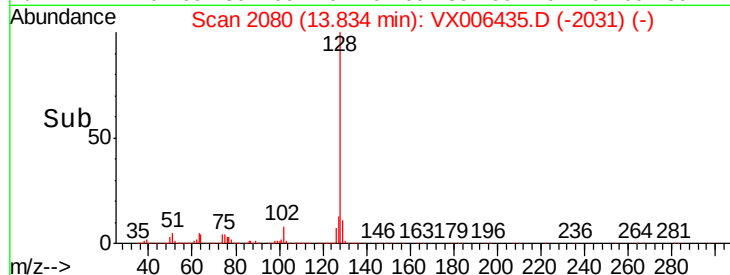
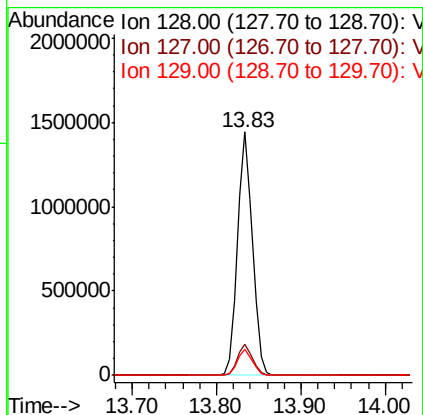
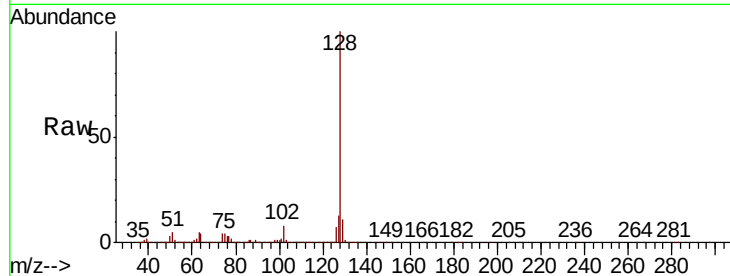
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1709447
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:40:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.000 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006435.D

Acq: 11 Dec 2018 21:44

Tgt Ion:	180	Resp:	538789
Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	31.3	15.6	46.8

