

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011571.D
 Acq On : 16 Aug 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 19 01:05:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	551256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	498347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	185822	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	5.49	113	178389	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	8.71	98	577689	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.13	95	242314	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	237945	58.713	ug/l	99
3) Chloromethane	1.32	50	195997	46.564	ug/l	98
4) Vinyl Chloride	1.40	62	197653	51.982	ug/l	97
5) Bromomethane	1.63	94	94302	55.350	ug/l	98
6) Chloroethane	1.71	64	95360	52.990	ug/l	100
7) Trichlorofluoromethane	1.92	101	281864	53.519	ug/l	97
8) Diethyl Ether	2.18	74	93748	51.891	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	191203	52.562	ug/l	99
10) Methyl Iodide	2.50	142	286407	55.269	ug/l	99
11) Tert butyl alcohol	3.04	59	230125	245.331	ug/l	98
12) 1,1-Dichloroethene	2.36	96	178378	50.741	ug/l	100
13) Acrolein	2.29	56	90327	309.888	ug/l	98
14) Allyl chloride	2.72	41	306492	52.410	ug/l	99
15) Acrylonitrile	3.14	53	534720	249.073	ug/l	100
16) Acetone	2.43	43	466195	242.490	ug/l	100
17) Carbon Disulfide	2.56	76	438837	52.976	ug/l	98
18) Methyl Acetate	2.76	43	298607	50.081	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	598063	52.235	ug/l	100
20) Methylene Chloride	2.85	84	195399	48.407	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	191007	51.272	ug/l	97
22) Diisopropyl ether	3.84	45	602531	51.736	ug/l	95
23) Vinyl Acetate	3.81	43	2448815	265.532	ug/l	99
24) 1,1-Dichloroethane	3.68	63	334812	50.848	ug/l	99
25) 2-Butanone	4.66	43	743672	246.395	ug/l	97
26) 2,2-Dichloropropane	4.57	77	285233	57.555	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	220662	50.810	ug/l	98
28) Bromochloromethane	5.00	49	151522	52.420	ug/l	99
29) Tetrahydrofuran	5.12	42	484440	244.684	ug/l	100
30) Chloroform	5.20	83	352811	50.771	ug/l	97
31) Cyclohexane	5.57	56	308060	54.338	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	318518	53.307	ug/l	99
36) 1,1-Dichloropropene	5.79	75	259339	55.024	ug/l	99
37) Ethyl Acetate	4.82	43	276754	51.052	ug/l	99
38) Carbon Tetrachloride	5.77	117	283020	54.504	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	331520	56.958	ug/l	99
40) Benzene	6.13	78	766730	52.349	ug/l	100
41) Methacrylonitrile	5.02	41	157065	52.643	ug/l	99
42) 1,2-Dichloroethane	6.18	62	271646	53.531	ug/l	99
43) Isopropyl Acetate	6.43	43	445017	52.601	ug/l	100
44) Trichloroethene	7.21	130	235335	54.163	ug/l	99
45) 1,2-Dichloropropane	7.51	63	198169	54.252	ug/l	99
46) Dibromomethane	7.65	93	136108	51.276	ug/l	100
47) Bromodichloromethane	7.89	83	267168	54.817	ug/l	99
48) Methyl methacrylate	7.76	41	225695	53.870	ug/l	100
49) 1,4-Dioxane	7.73	88	113198	1015.834	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1441313	260.281	ug/l	100
52) Toluene	8.78	92	495156	53.065	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	292937	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	319790	57.770	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	207166	52.208	ug/l	99
56) Ethyl methacrylate	9.17	69	317768	55.098	ug/l	100
57) 1,3-Dichloropropane	9.37	76	333589	52.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	740758	257.775	ug/l	99
59) 2-Hexanone	9.49	43	1110040	259.944	ug/l	99
60) Dibromochloromethane	9.58	129	238571	57.705	ug/l	100
61) 1,2-Dibromoethane	9.67	107	224631	53.043	ug/l	100
64) Tetrachloroethene	9.33	164	222995	54.537	ug/l	98
65) Chlorobenzene	10.13	112	567613	53.401	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	220873	55.595	ug/l	99
67) Ethyl Benzene	10.25	91	970982	54.736	ug/l	100
68) m/p-Xylenes	10.35	106	758403	111.378	ug/l	98
69) o-Xylene	10.69	106	366911	55.010	ug/l	98
70) Styrene	10.71	104	633395	56.411	ug/l	99
71) Bromoform	10.85	173	192960	49.982	ug/l #	100
73) Isopropylbenzene	11.02	105	992229	55.295	ug/l	100
74) N-amyl acetate	10.90	43	405826	53.218	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	319033	51.683	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	365196	69.643	ug/l	84
77) Bromobenzene	11.25	156	285935	53.559	ug/l	99
78) n-propylbenzene	11.36	91	1109892	57.361	ug/l	100
79) 2-Chlorotoluene	11.41	91	651043	54.795	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	851326	56.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	101379	52.159	ug/l	97
82) 4-Chlorotoluene	11.51	91	764158	55.437	ug/l	100
83) tert-Butylbenzene	11.77	119	864802	56.330	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	856600	56.605	ug/l	100
85) sec-Butylbenzene	11.94	105	993290	57.346	ug/l	100
86) p-Isopropyltoluene	12.06	119	958069	58.795	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	503405	54.858	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	508628	54.687	ug/l	99
89) n-Butylbenzene	12.38	91	797856	59.556	ug/l	100
90) Hexachloroethane	12.59	117	148582	57.741	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	502881	54.592	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	72339	51.223	ug/l	100

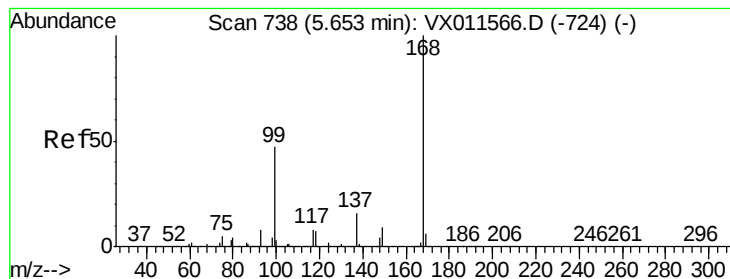
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	390544	56.901	ug/l	99
94) Hexachlorobutadiene	13.78	225	216747	57.995	ug/l	99
95) Naphthalene	13.83	128	1096626	56.517	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	395224	57.090	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

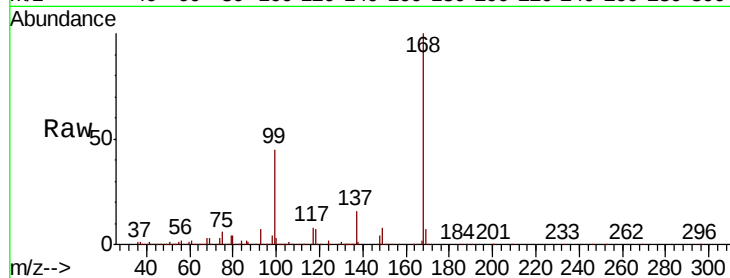
VSTDCCC050

Tgt Ion: 168 Resp: 412297

Ion Ratio Lower Upper

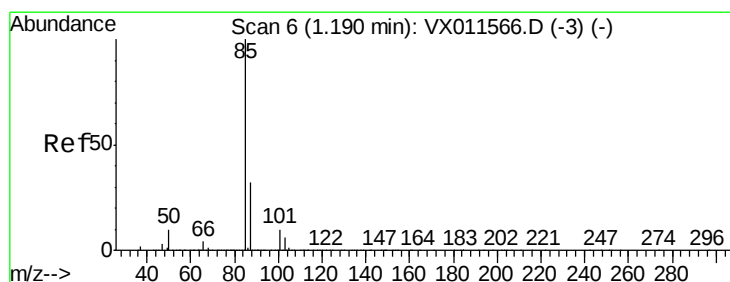
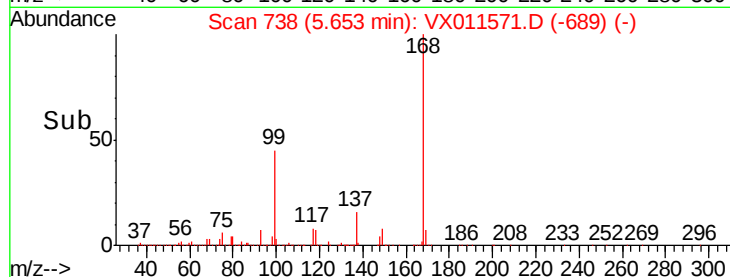
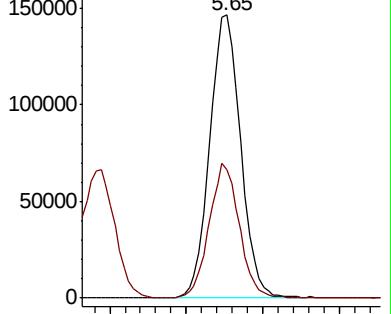
168 100

99 45.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.713 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011571.D

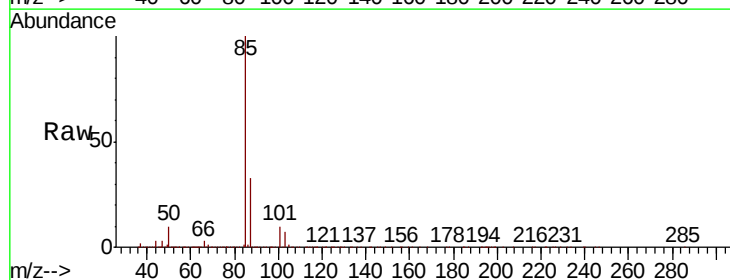
Acq: 16 Aug 2019 10:46

Tgt Ion: 85 Resp: 237945

Ion Ratio Lower Upper

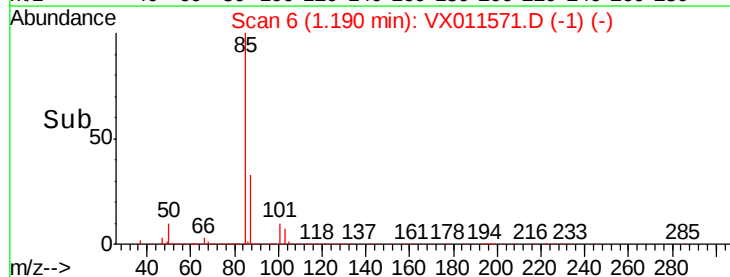
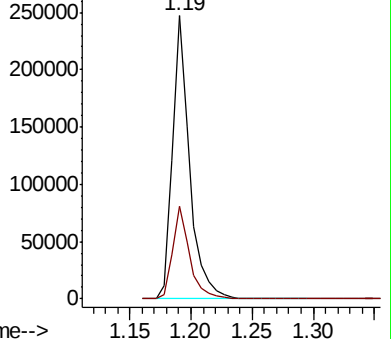
85 100

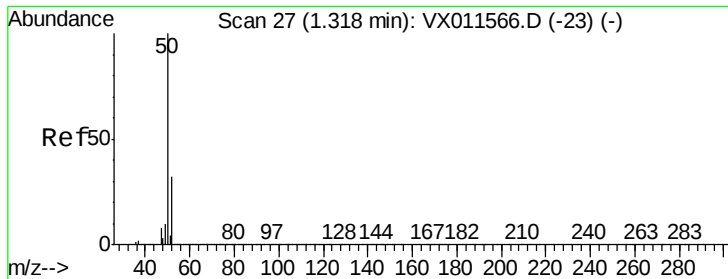
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.564 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

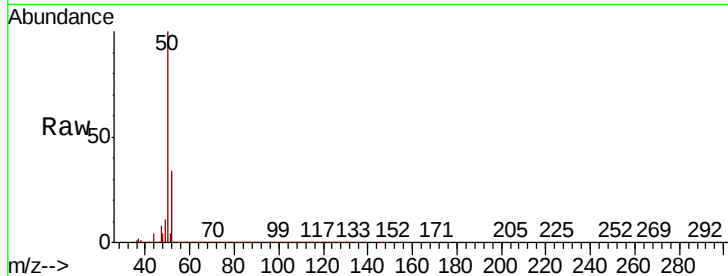
VSTDCCC050

Tgt Ion: 50 Resp: 195997

Ion Ratio Lower Upper

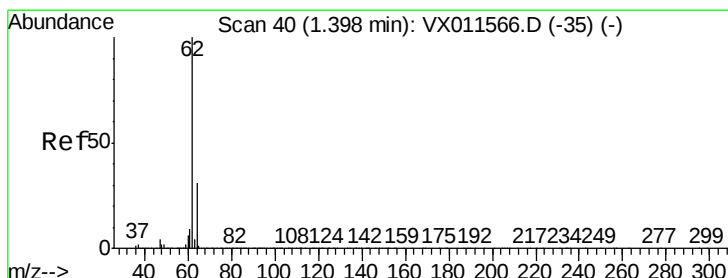
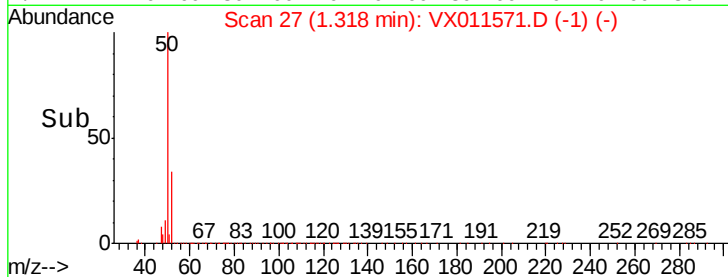
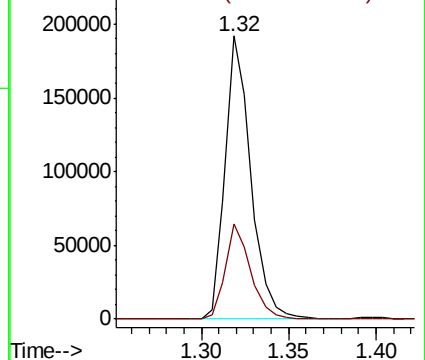
50 100

52 33.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.982 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011571.D

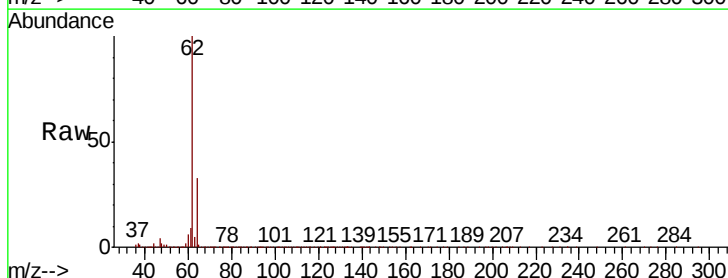
Acq: 16 Aug 2019 10:46

Tgt Ion: 62 Resp: 197653

Ion Ratio Lower Upper

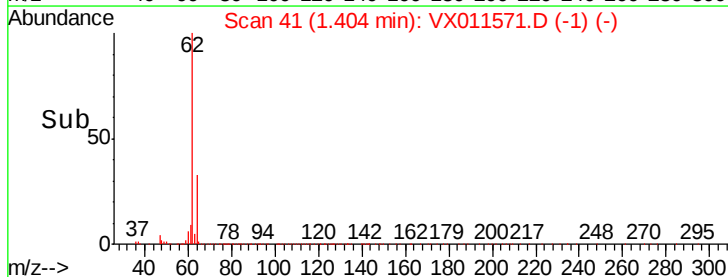
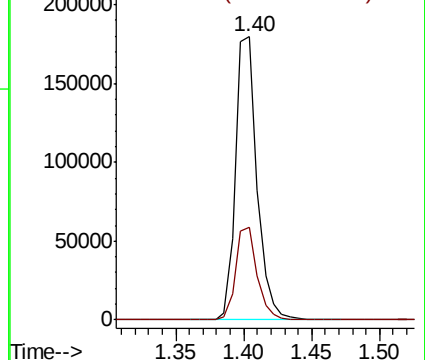
62 100

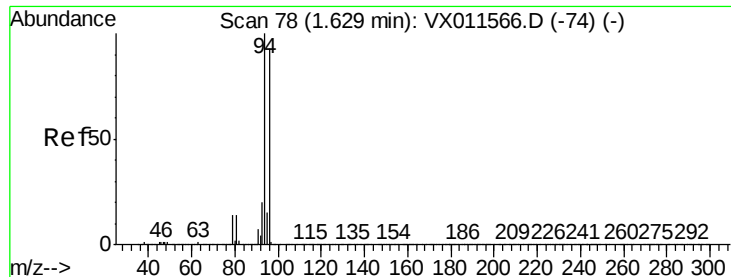
64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.350 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

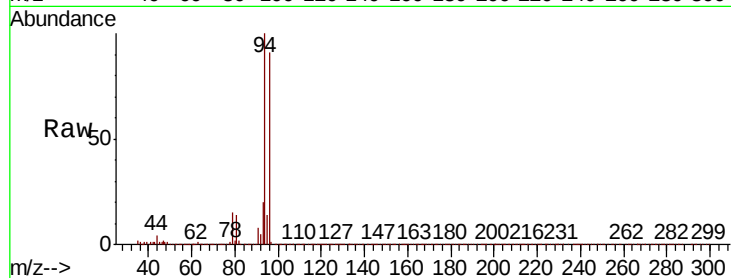
VSTDCCC050

Tgt Ion: 94 Resp: 94302

Ion Ratio Lower Upper

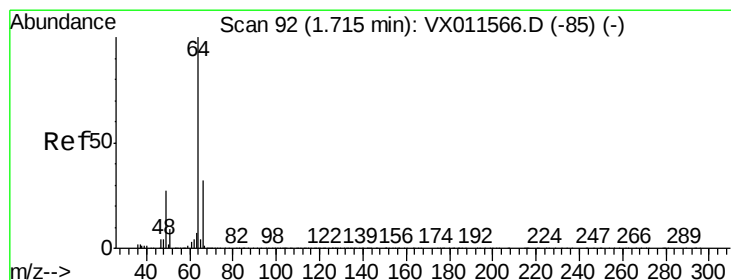
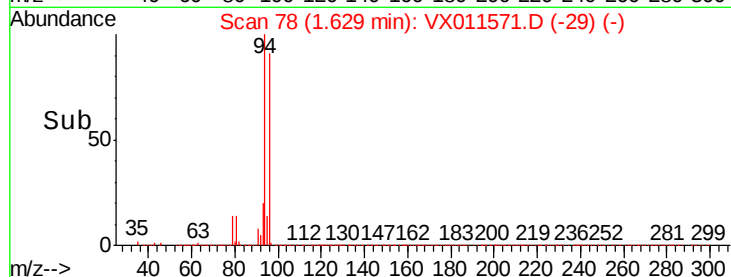
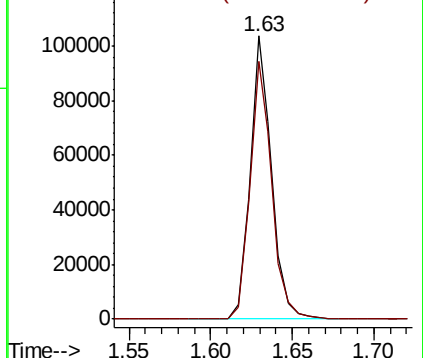
94 100

96 91.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.990 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011571.D

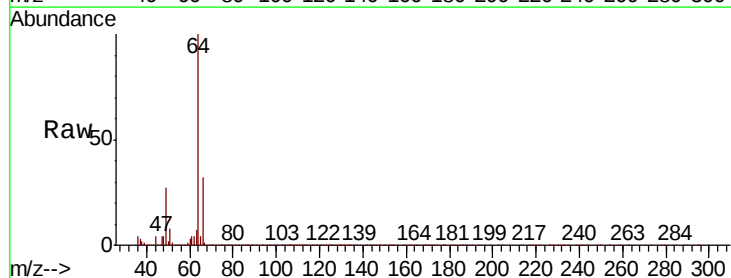
Acq: 16 Aug 2019 10:46

Tgt Ion: 64 Resp: 95360

Ion Ratio Lower Upper

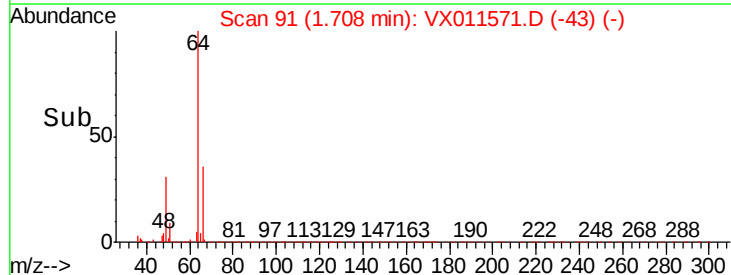
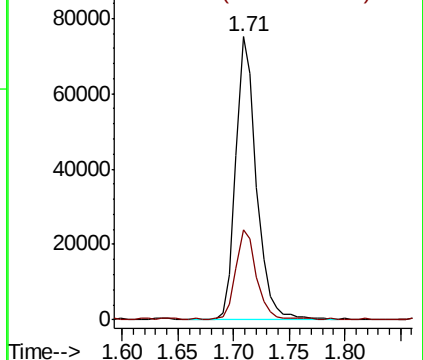
64 100

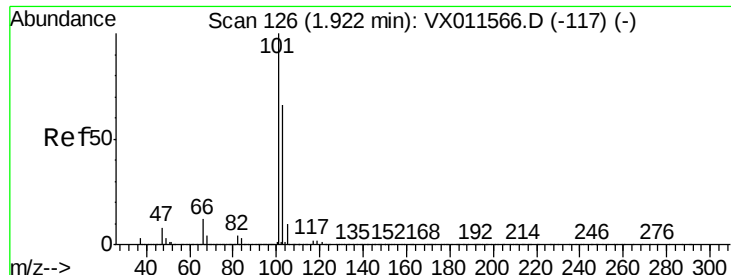
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



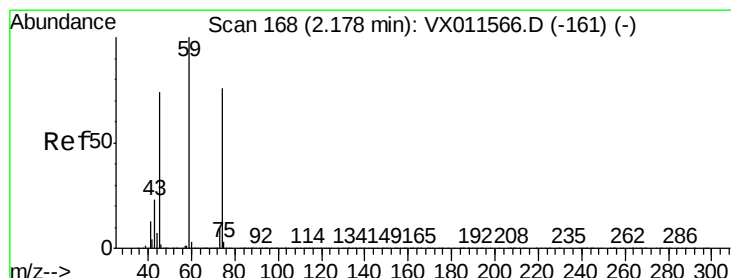
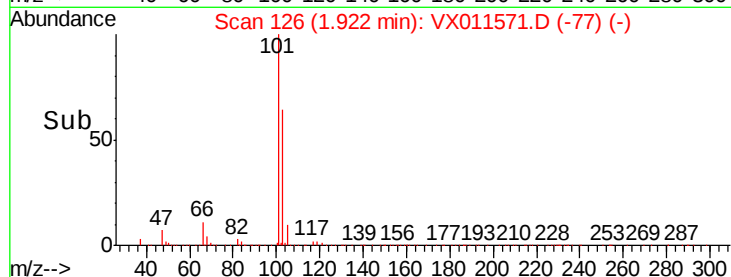
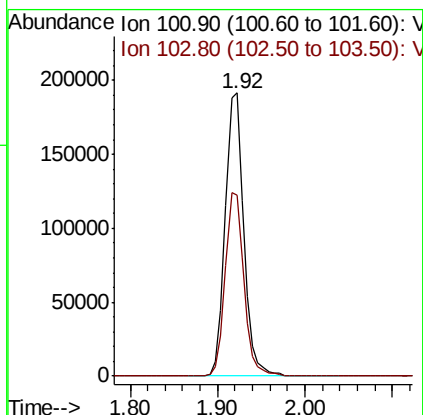
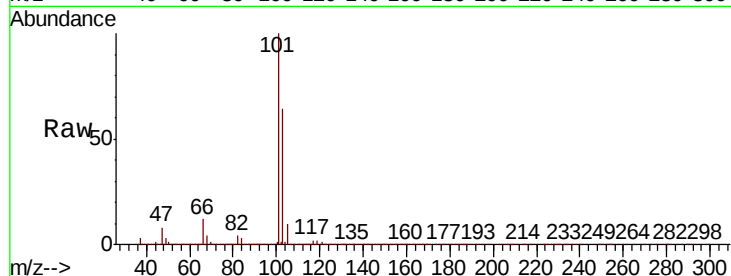


#7

Trichlorofluoromethane
 Concen: 53.519 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
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 VSTDCCC050

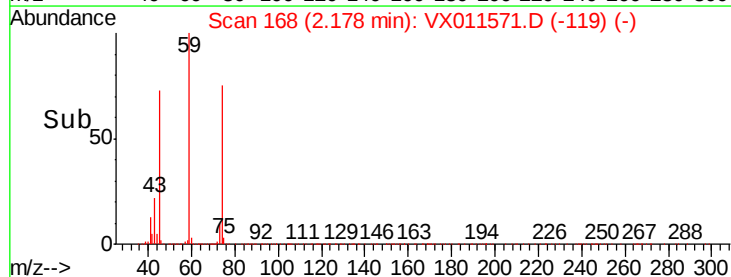
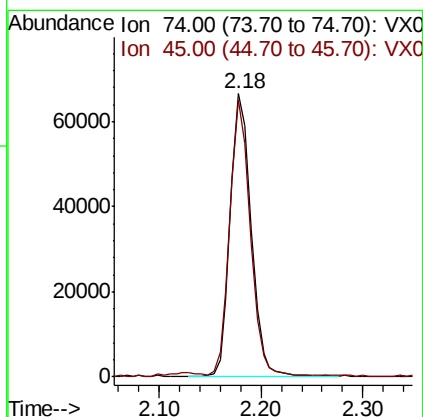
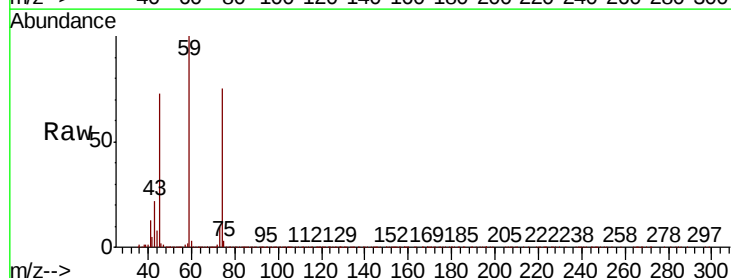
Tgt Ion: 101 Resp: 281864
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.9 79.3

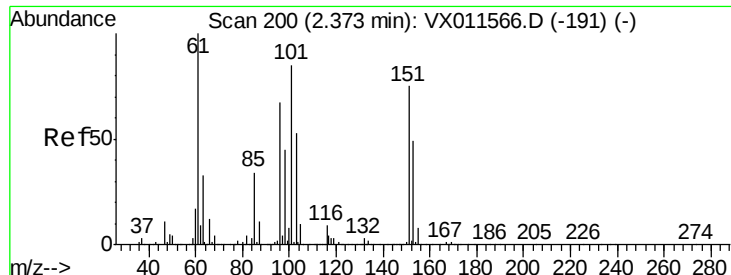


#8

Diethyl Ether
 Concen: 51.891 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 74 Resp: 93748
 Ion Ratio Lower Upper
 74 100
 45 95.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.562 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

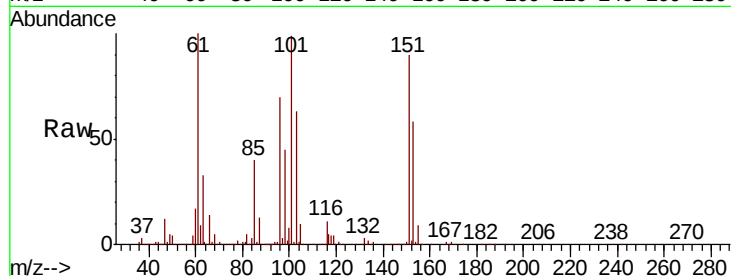
Tgt Ion:101 Resp: 191203

Ion Ratio Lower Upper

101 100

85 42.4 33.0 49.4

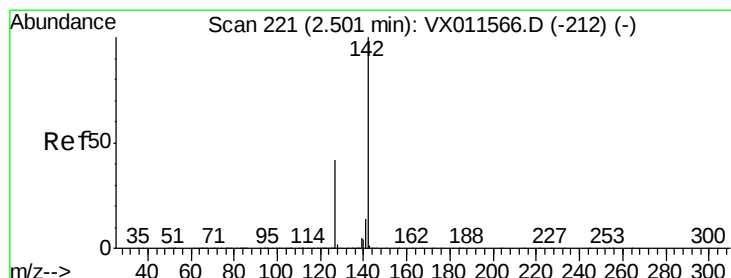
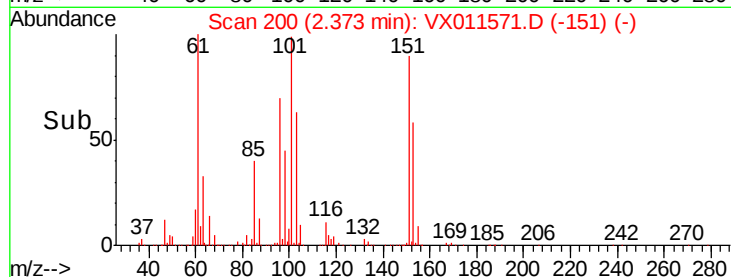
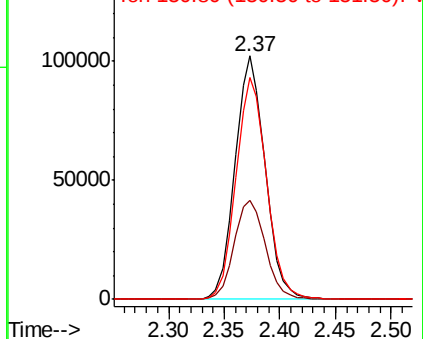
151 92.6 73.3 109.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.269 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

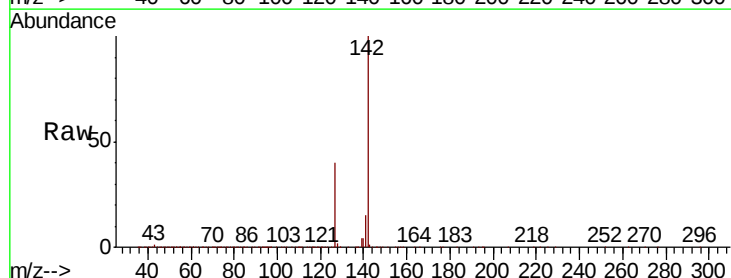
Tgt Ion:142 Resp: 286407

Ion Ratio Lower Upper

142 100

127 40.3 32.8 49.2

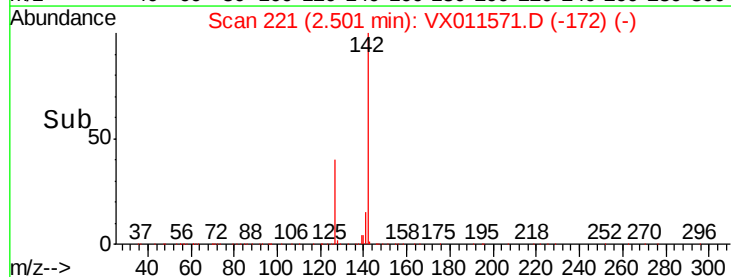
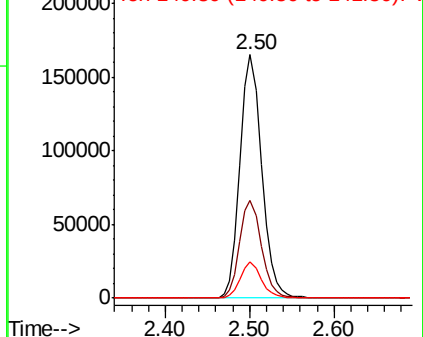
141 14.3 11.4 17.2

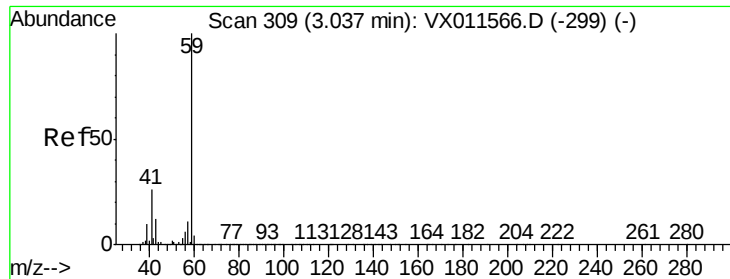


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



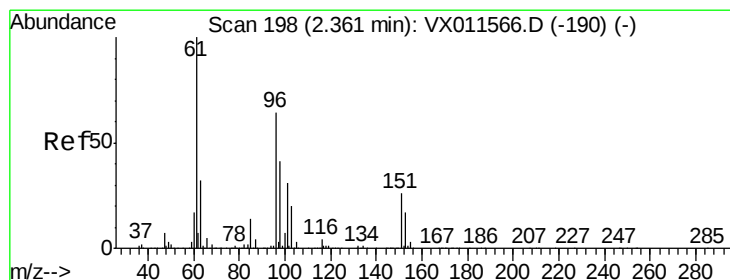
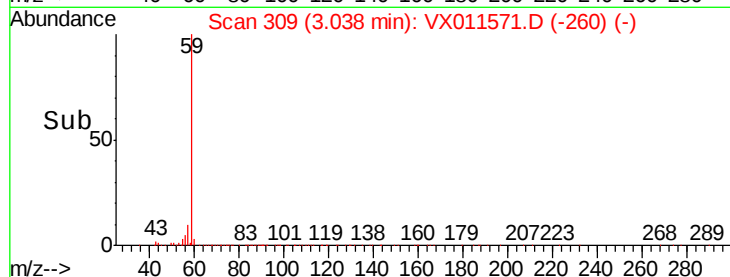
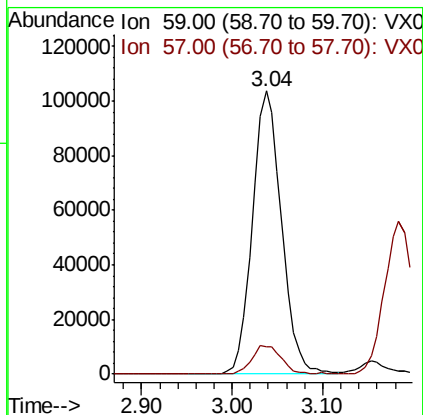
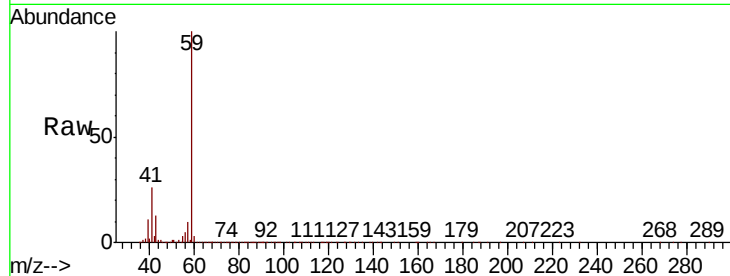


#11

Tert butyl alcohol
 Concen: 245.331 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

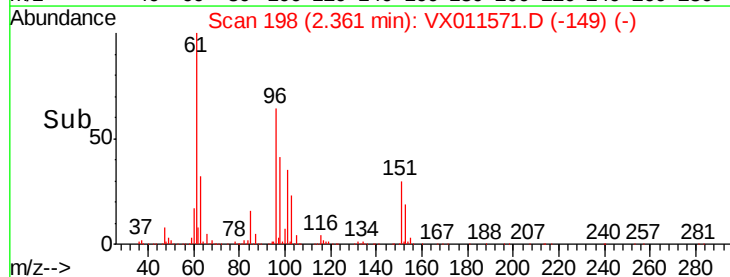
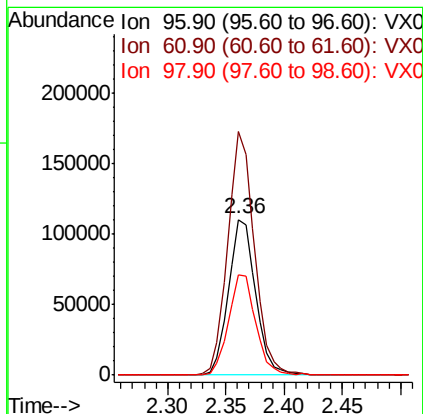
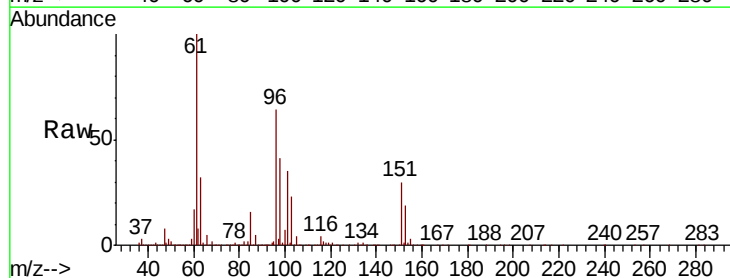
Tgt Ion: 59 Resp: 230125
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.7 13.1

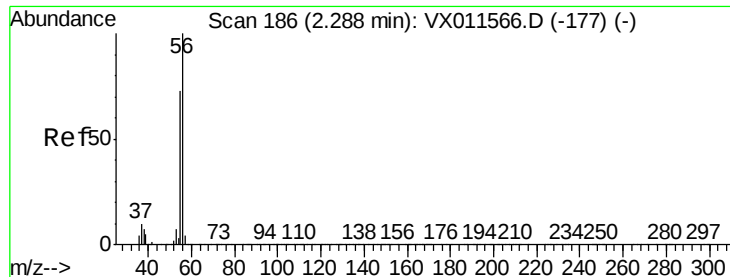


#12

1,1-Dichloroethene
 Concen: 50.741 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 96 Resp: 178378
 Ion Ratio Lower Upper
 96 100
 61 156.5 125.0 187.4
 98 64.6 51.5 77.3





#13

Acrolein

Concen: 309.888 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

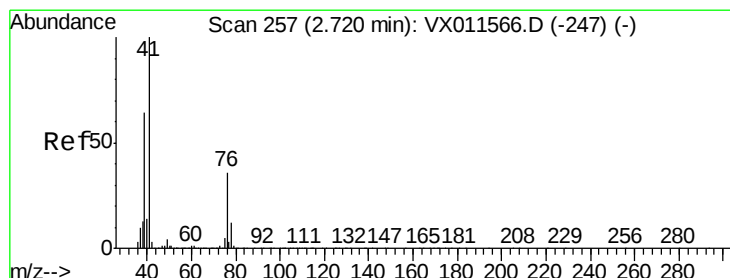
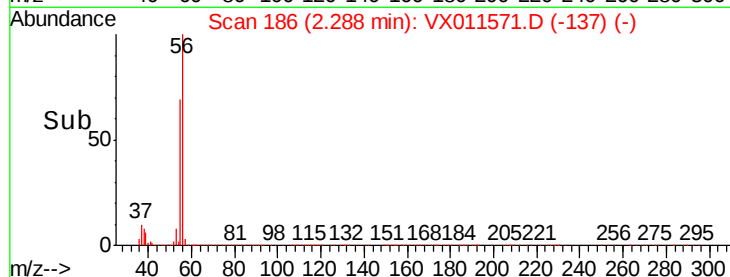
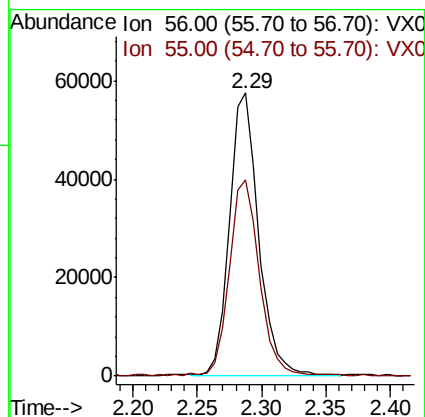
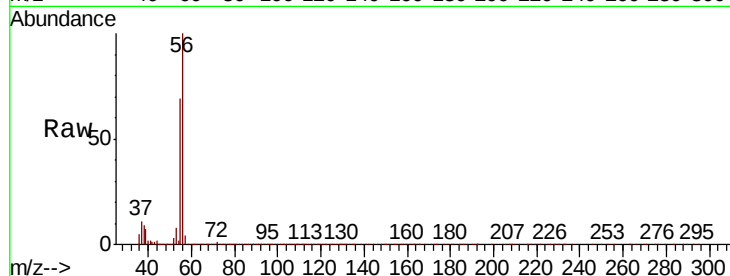
VSTDCCC050

Tgt Ion: 56 Resp: 90327

Ion Ratio Lower Upper

56 100

55 71.3 55.5 83.3



#14

Allyl chloride

Concen: 52.410 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

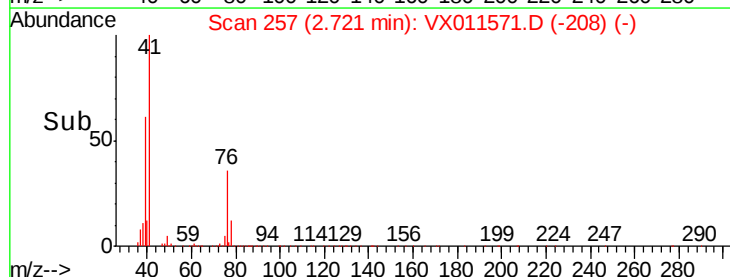
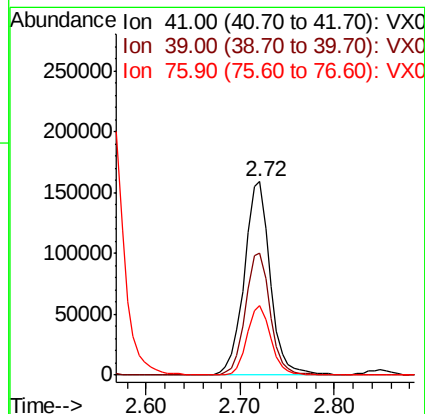
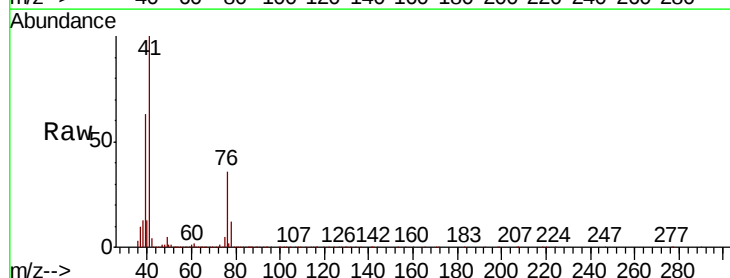
Tgt Ion: 41 Resp: 306492

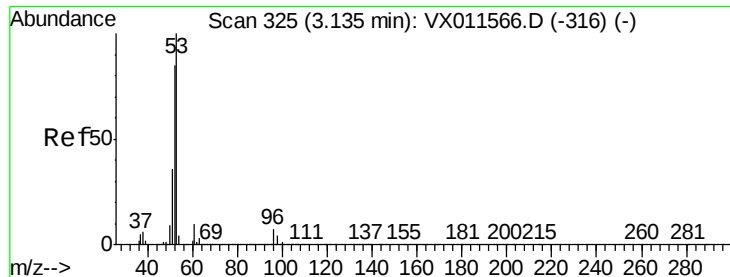
Ion Ratio Lower Upper

41 100

39 60.3 47.5 71.3

76 32.8 26.3 39.5





#15

Acrylonitrile

Concen: 249.073 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

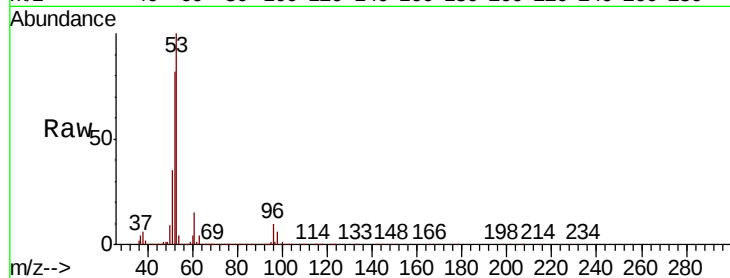
Tgt Ion: 53 Resp: 534720

Ion Ratio Lower Upper

53 100

52 82.9 66.7 100.1

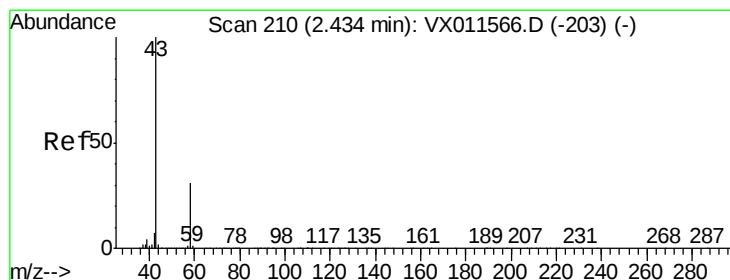
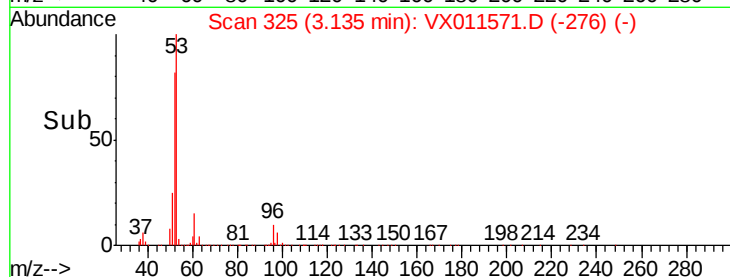
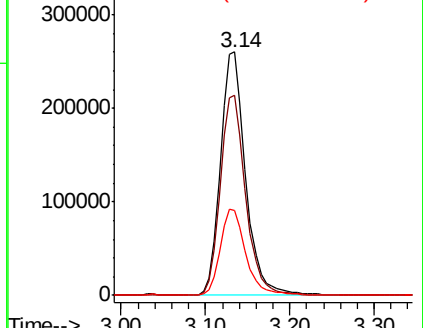
51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 242.490 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011571.D

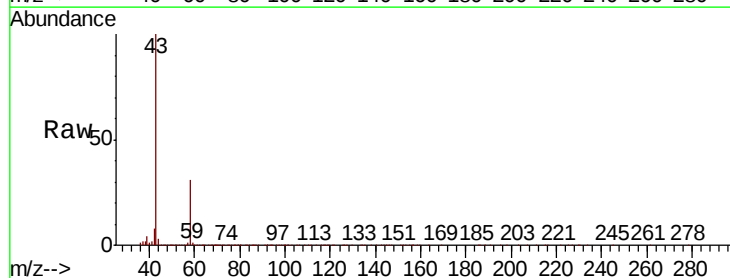
Acq: 16 Aug 2019 10:46

Tgt Ion: 43 Resp: 466195

Ion Ratio Lower Upper

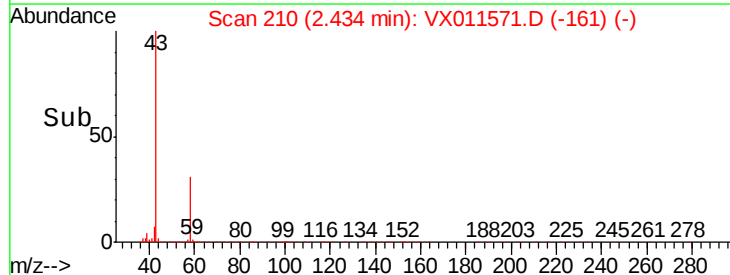
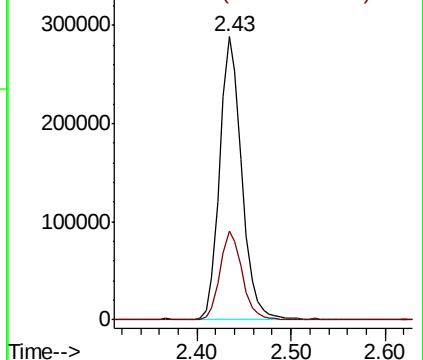
43 100

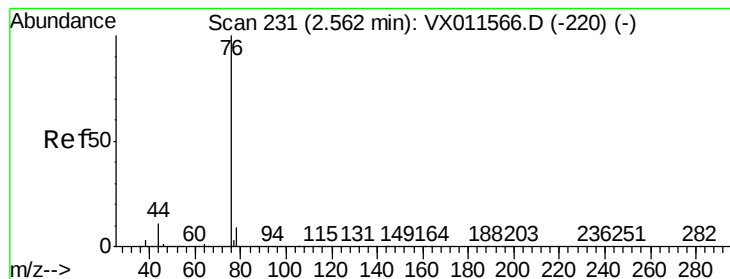
58 31.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 52.976 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

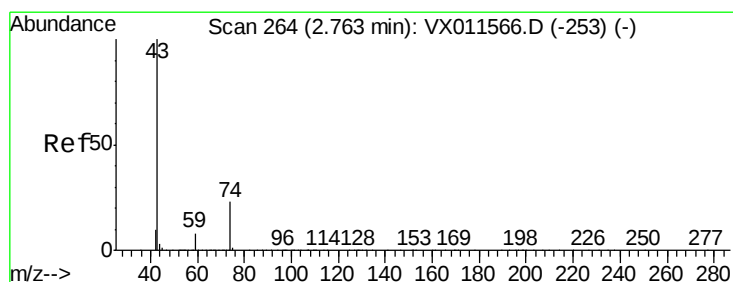
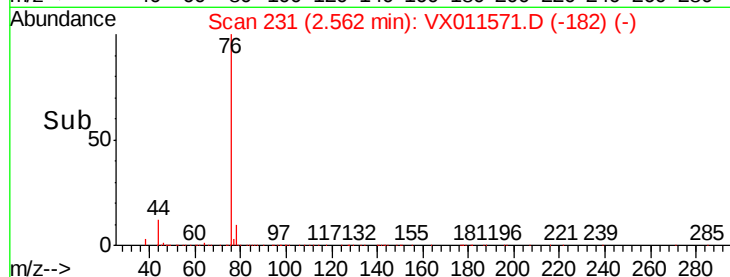
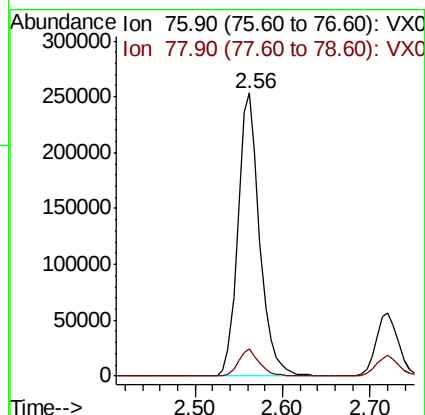
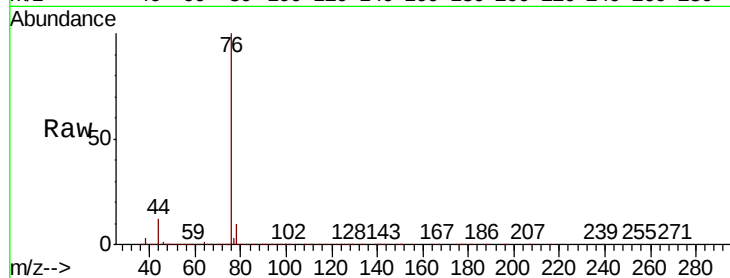
VSTDCCC050

Tgt Ion: 76 Resp: 438837

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



#18

Methyl Acetate

Concen: 50.081 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011571.D

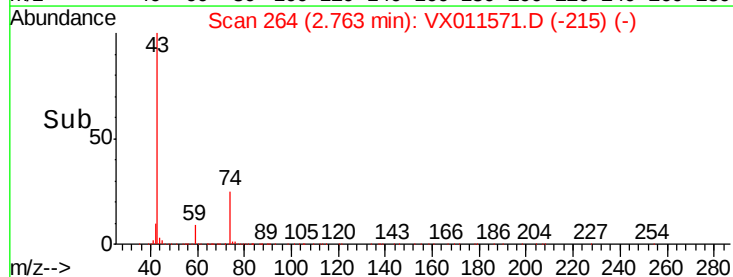
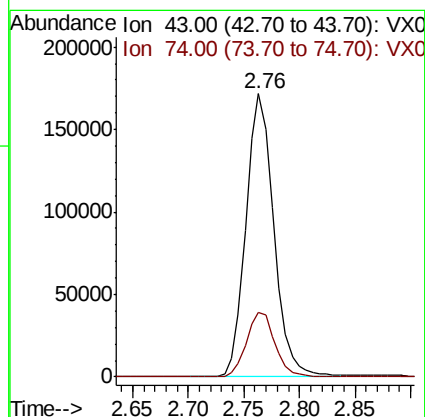
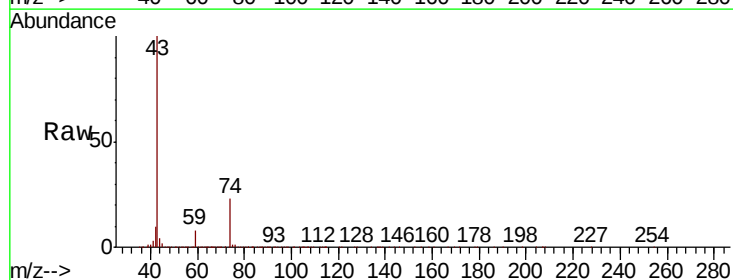
Acq: 16 Aug 2019 10:46

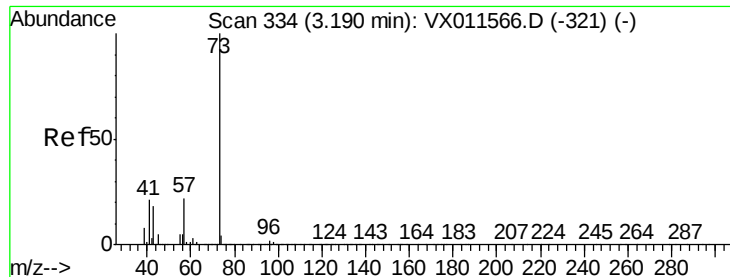
Tgt Ion: 43 Resp: 298607

Ion Ratio Lower Upper

43 100

74 23.6 19.7 29.5



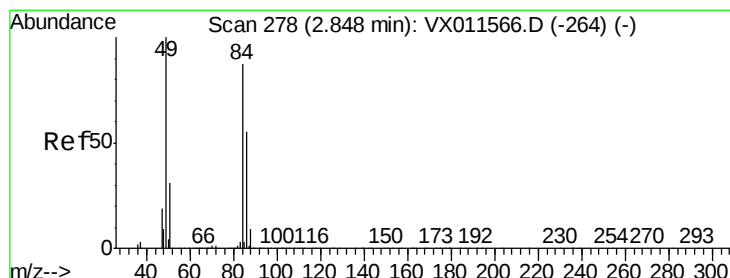
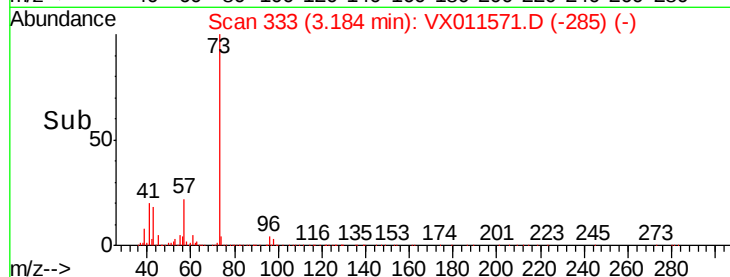
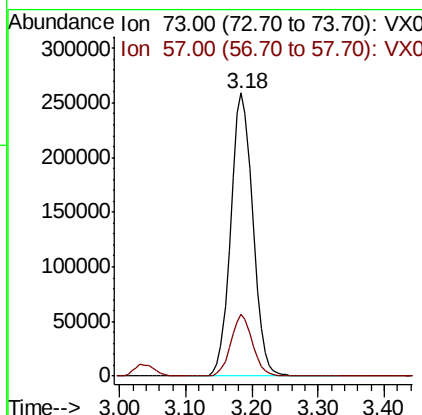
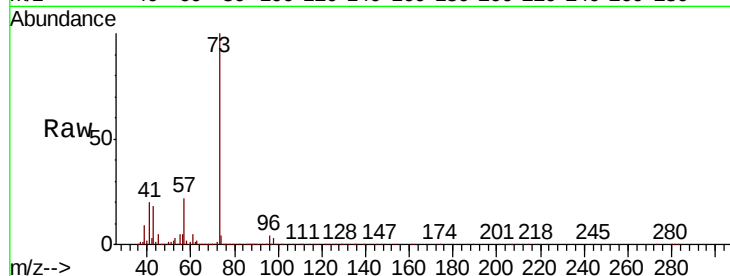


#19

Methyl tert-butyl Ether
Concen: 52.235 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

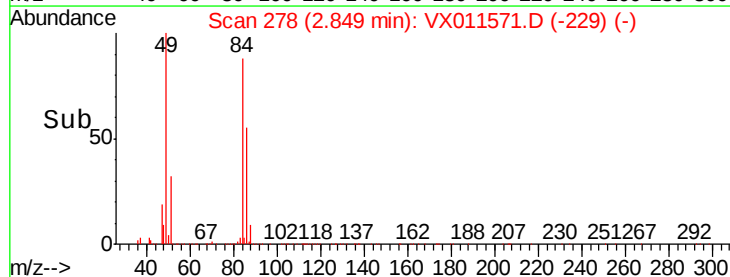
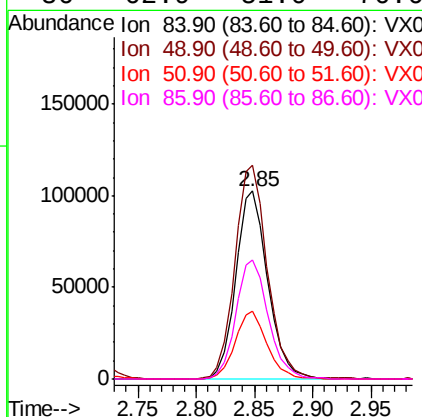
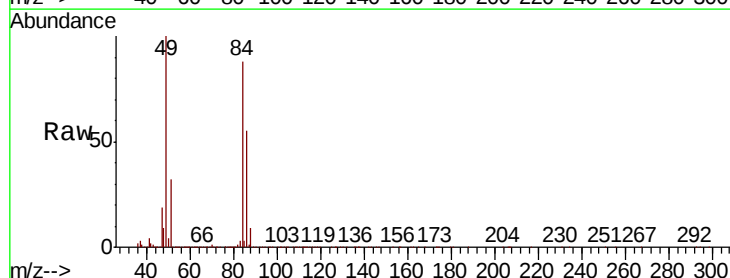
Tgt Ion: 73 Resp: 598063
Ion Ratio Lower Upper
73 100
57 21.6 17.2 25.8

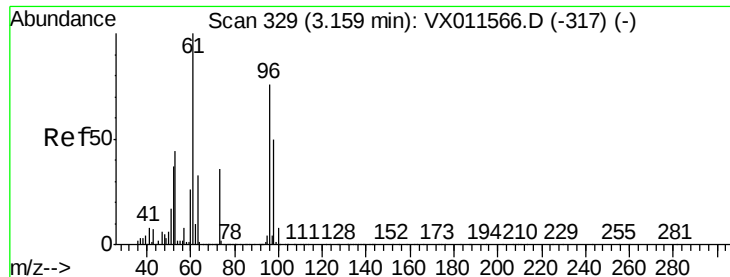


#20

Methylene Chloride
Concen: 48.407 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 84 Resp: 195399
Ion Ratio Lower Upper
84 100
49 113.6 92.4 138.6
51 35.8 28.5 42.7
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.272 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

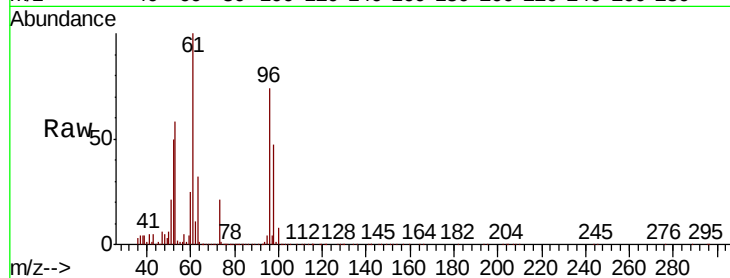
Tgt Ion: 96 Resp: 191007

Ion Ratio Lower Upper

96 100

61 135.5 105.5 158.3

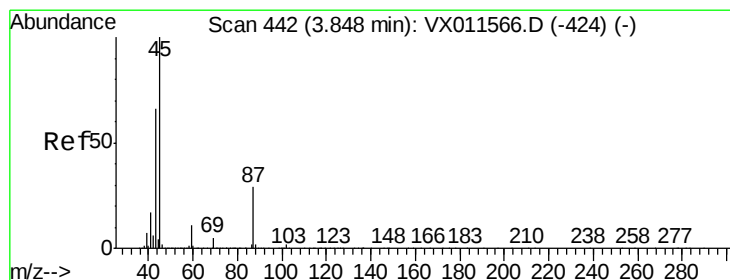
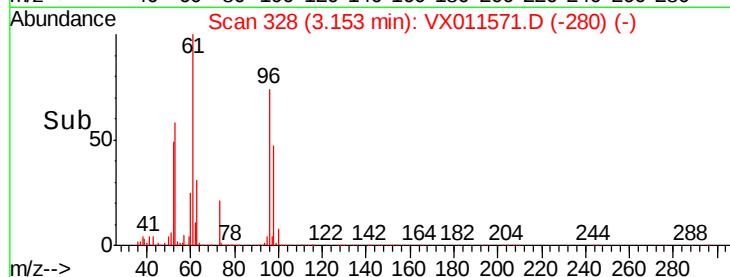
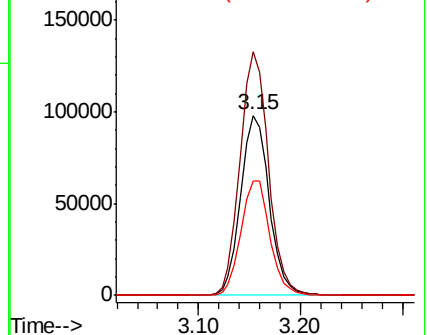
98 63.6 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.736 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion: 45 Resp: 602531

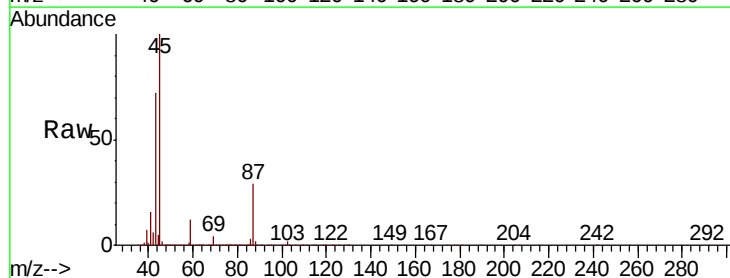
Ion Ratio Lower Upper

45 100

43 71.4 52.7 79.1

87 28.7 23.5 35.3

59 11.5 9.0 13.4

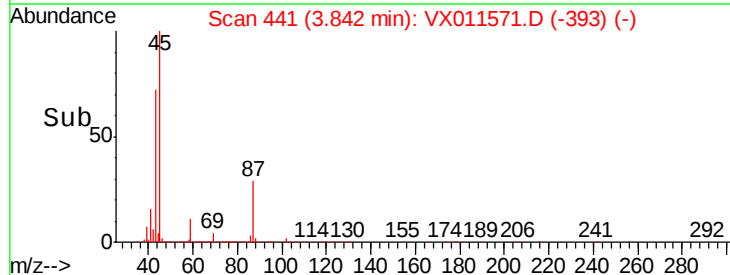
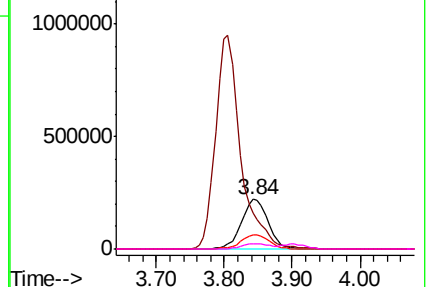


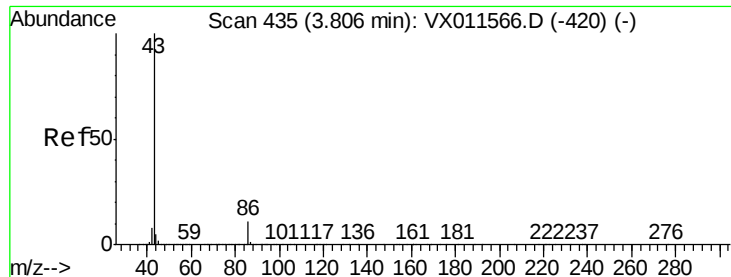
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 265.532 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

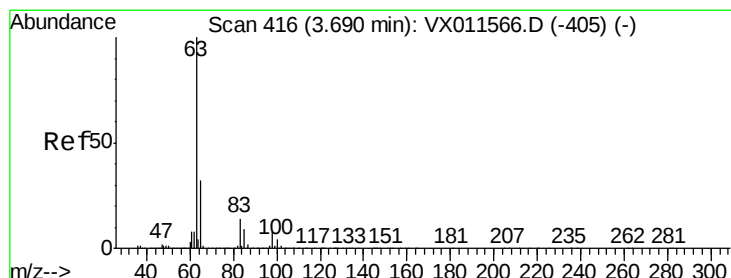
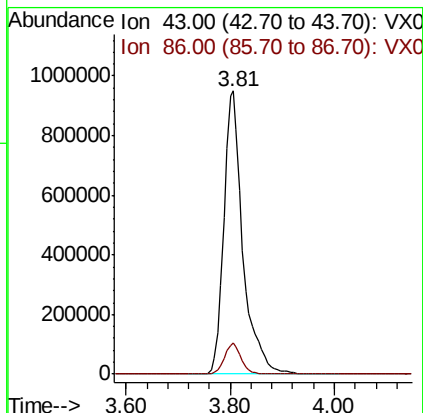
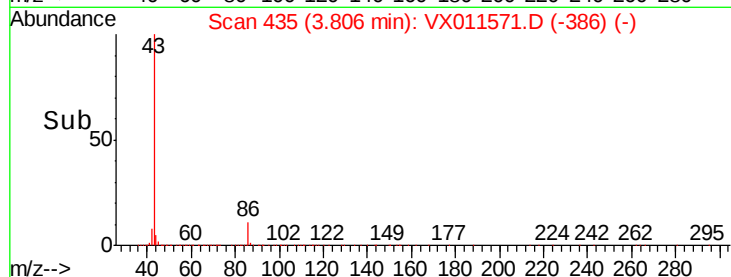
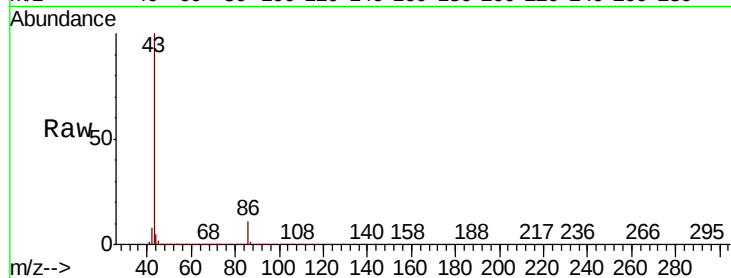
VSTDCCC050

Tgt Ion: 43 Resp: 2448815

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 50.848 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

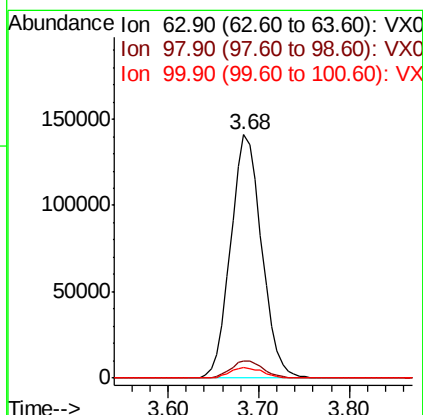
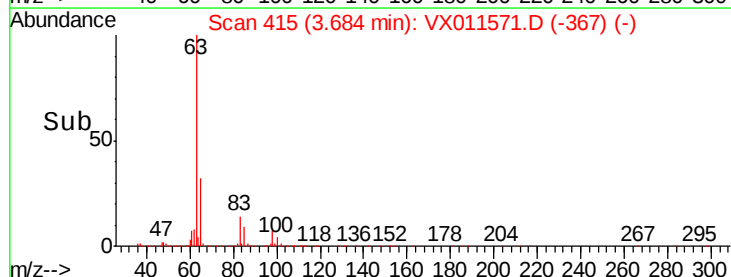
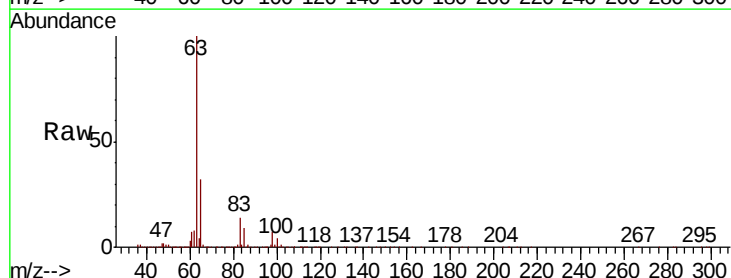
Tgt Ion: 63 Resp: 334812

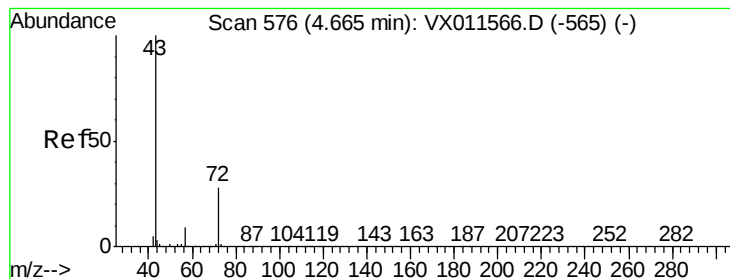
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 246.395 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

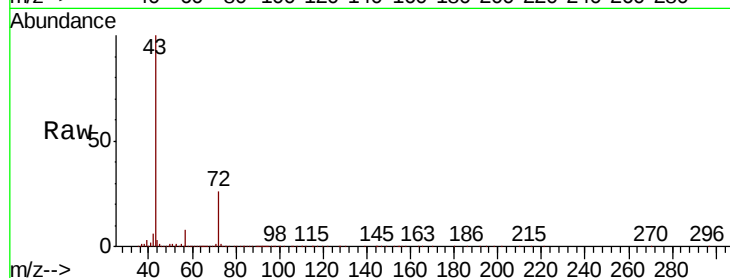
VSTDCCC050

Tgt Ion: 43 Resp: 743672

Ion Ratio Lower Upper

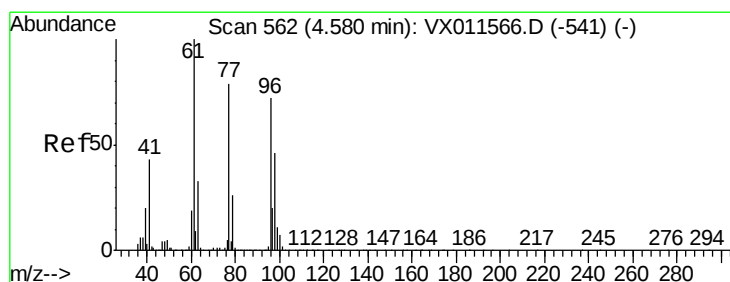
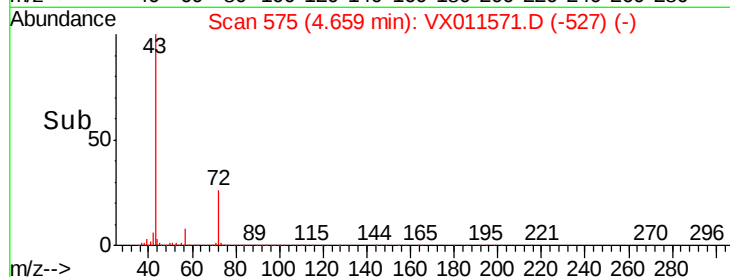
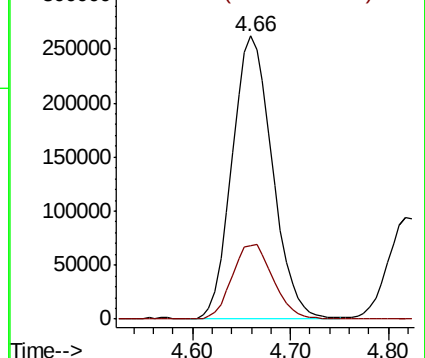
43 100

72 26.0 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 57.555 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011571.D

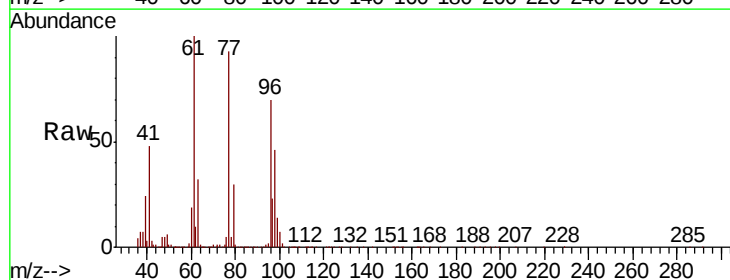
Acq: 16 Aug 2019 10:46

Tgt Ion: 77 Resp: 285233

Ion Ratio Lower Upper

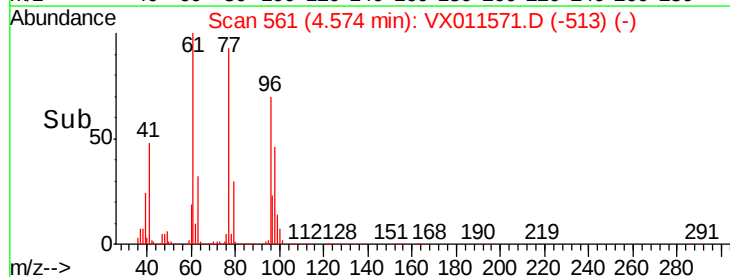
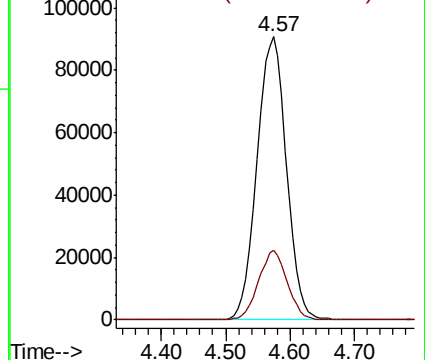
77 100

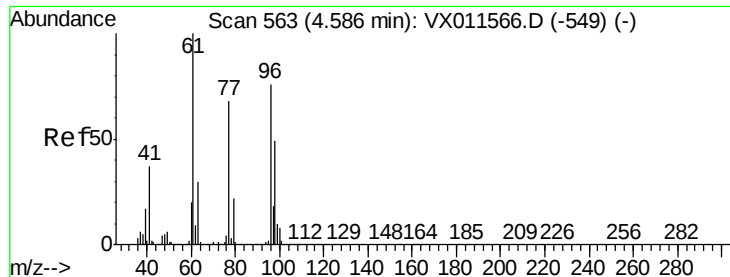
97 24.1 12.4 37.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



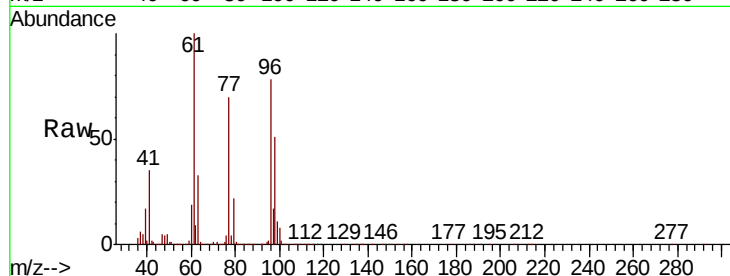


#27

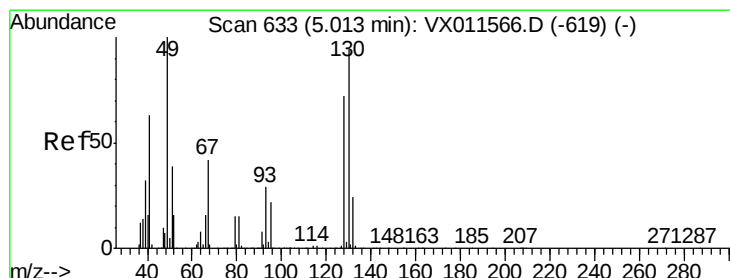
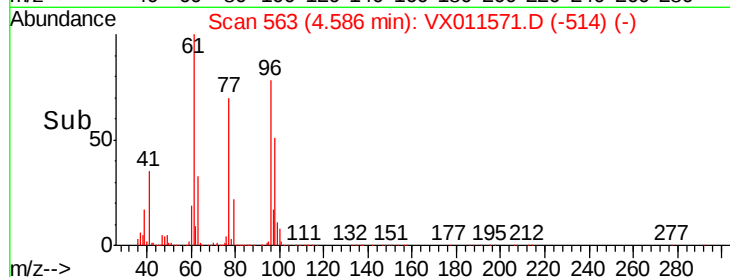
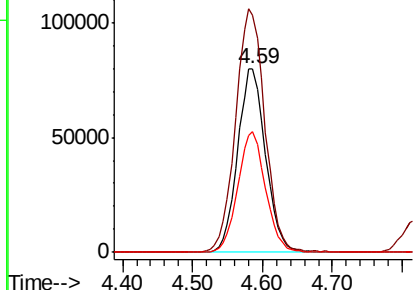
cis-1,2-Dichloroethene
 Concen: 50.810 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	272.6
98	65.3	0.0	129.4



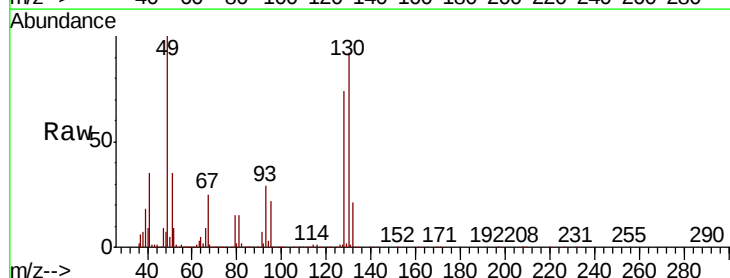
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



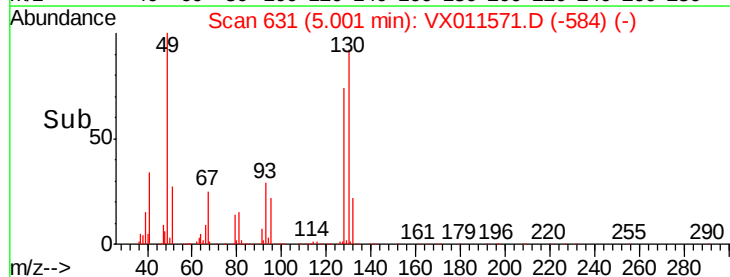
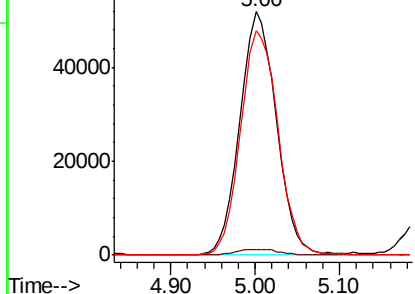
#28

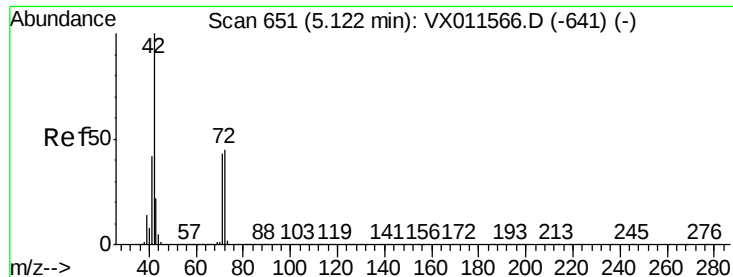
Bromochloromethane
 Concen: 52.420 ug/l
 RT: 5.00 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	95.3	76.6	115.0



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





#29

Tetrahydrofuran

Concen: 244.684 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

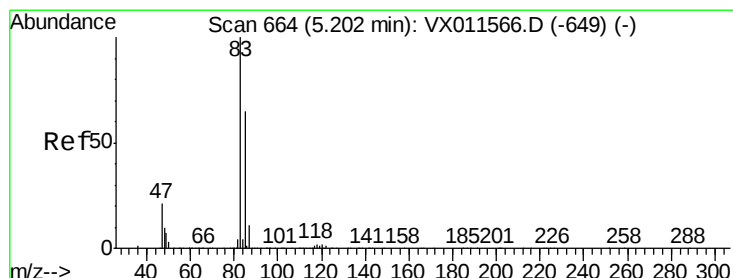
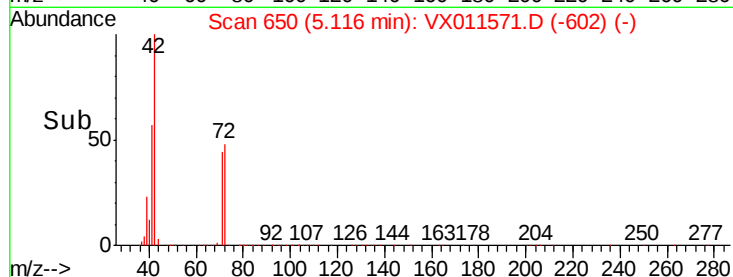
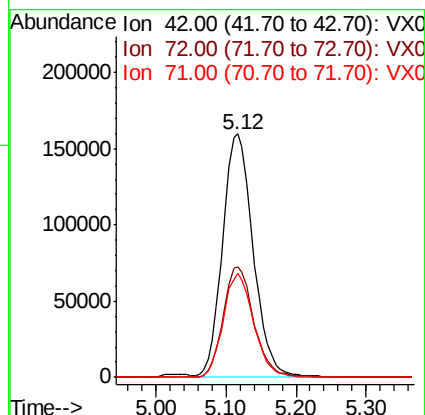
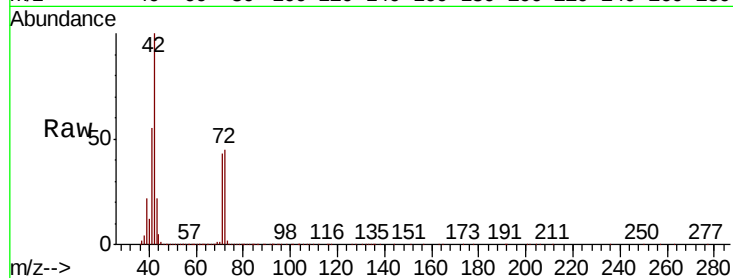
Tgt Ion: 42 Resp: 484440

Ion Ratio Lower Upper

42 100

72 45.7 36.1 54.1

71 42.3 33.8 50.8



#30

Chloroform

Concen: 50.771 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011571.D

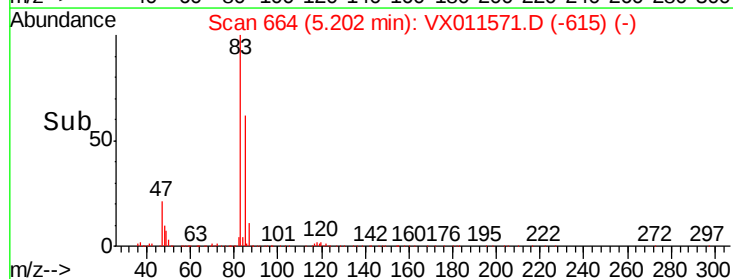
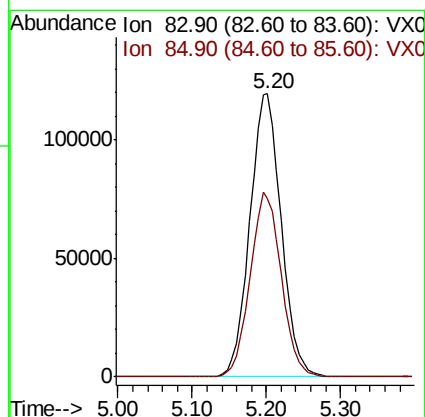
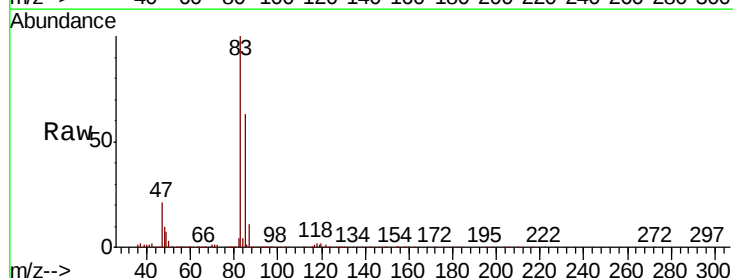
Acq: 16 Aug 2019 10:46

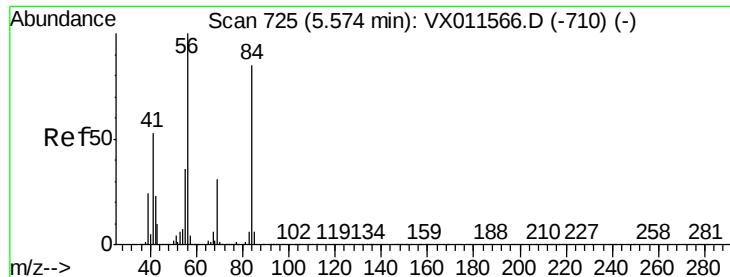
Tgt Ion: 83 Resp: 352811

Ion Ratio Lower Upper

83 100

85 62.8 51.9 77.9

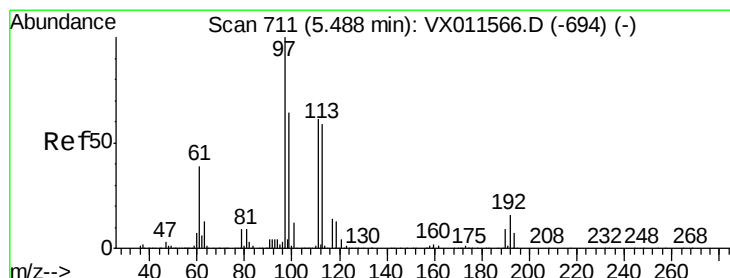
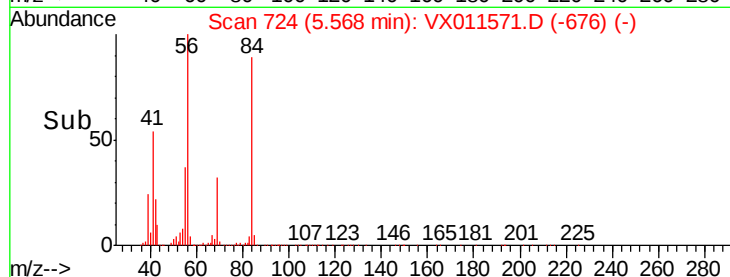
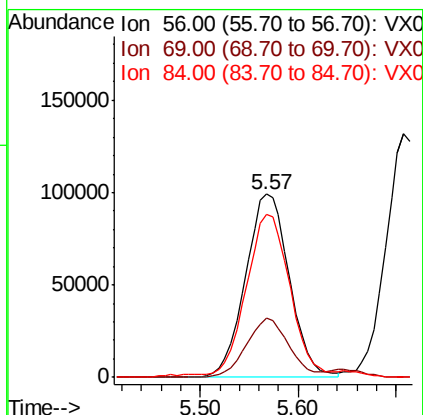
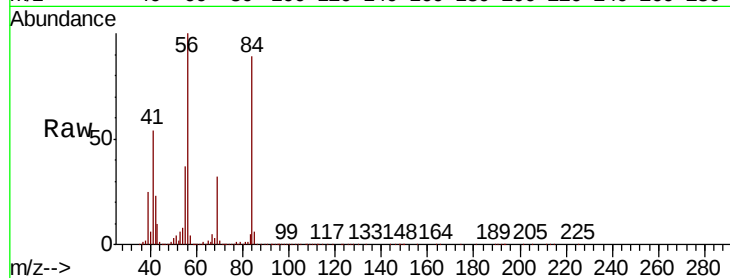




#31
Cyclohexane
Concen: 54.338 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

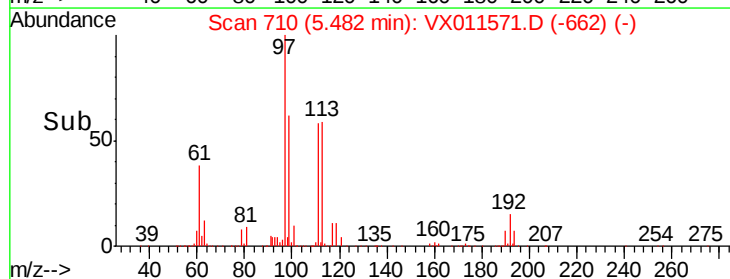
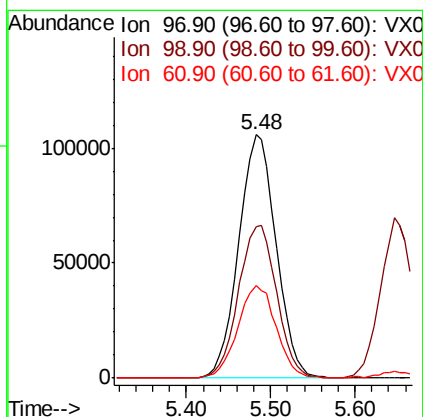
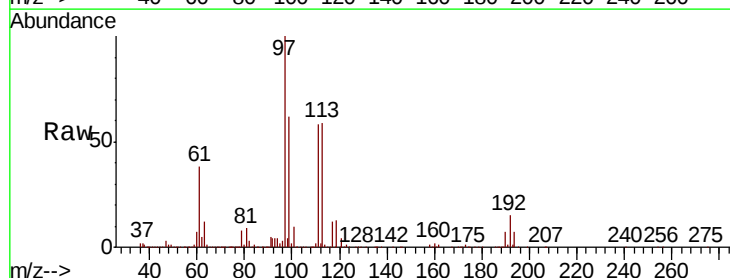
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

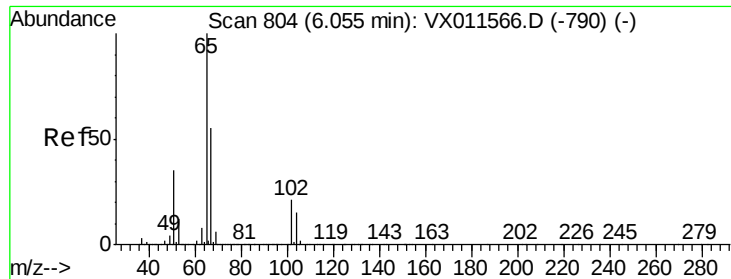
Tgt Ion: 56 Resp: 308060
Ion Ratio Lower Upper
56 100
69 32.4 24.8 37.2
84 87.6 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 53.307 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 97 Resp: 318518
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 38.9 31.4 47.2

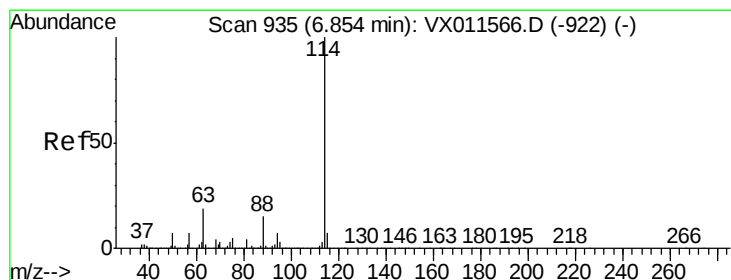
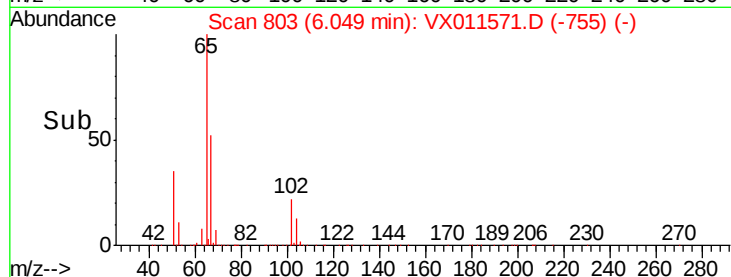
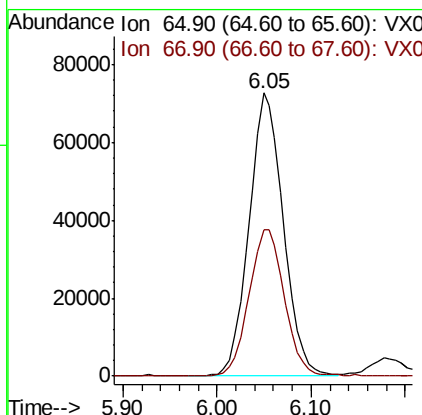
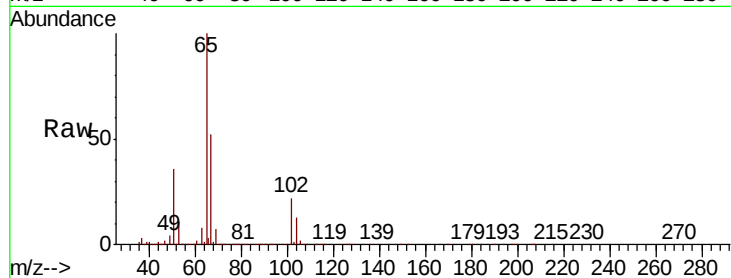




#33
 1,2-Dichloroethane-d4
 Concen: 48.600 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

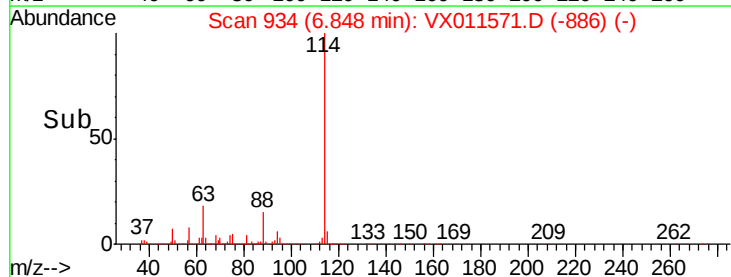
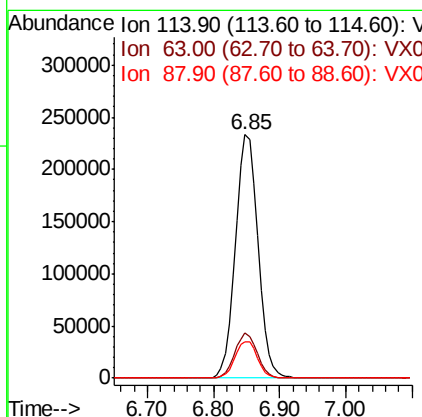
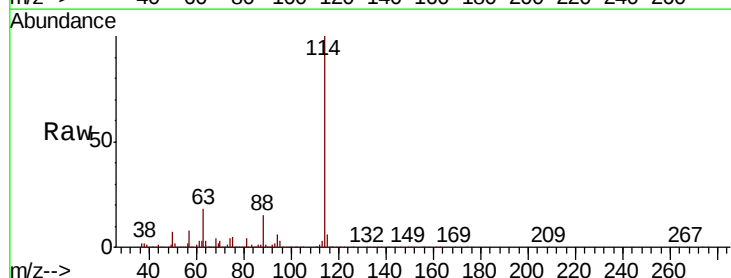
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

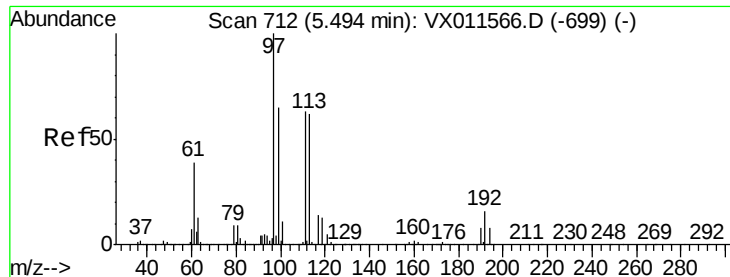
Tgt Ion: 65 Resp: 185822
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 114 Resp: 551256
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.8
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.476 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

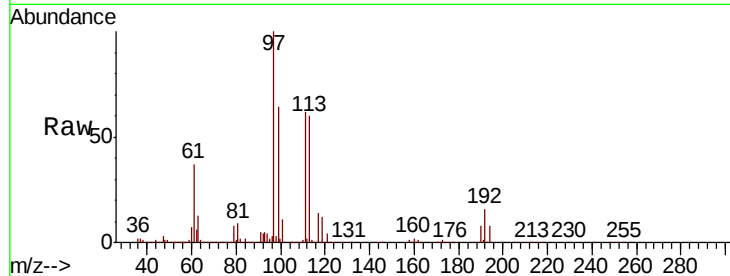
Tgt Ion:113 Resp: 178389

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

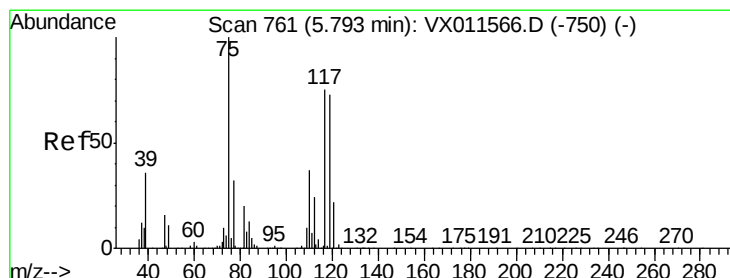
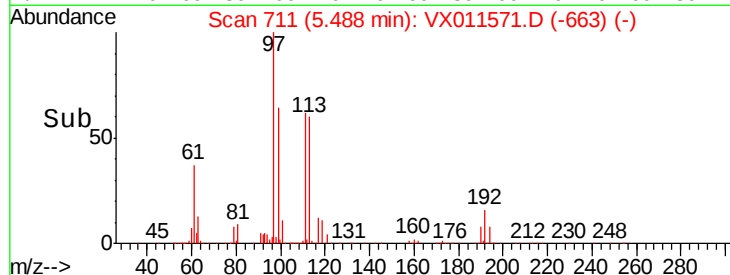
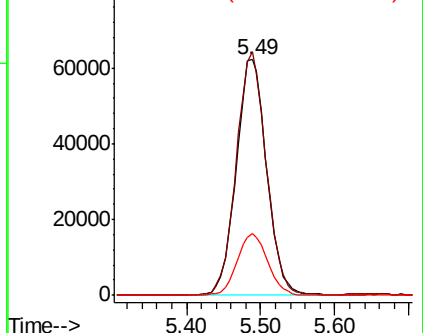
192 26.5 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.024 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

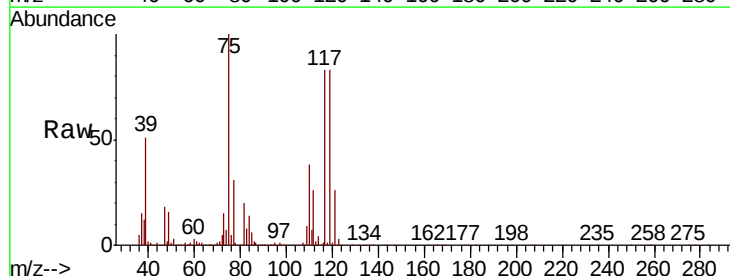
Tgt Ion: 75 Resp: 259339

Ion Ratio Lower Upper

75 100

110 39.1 19.4 58.1

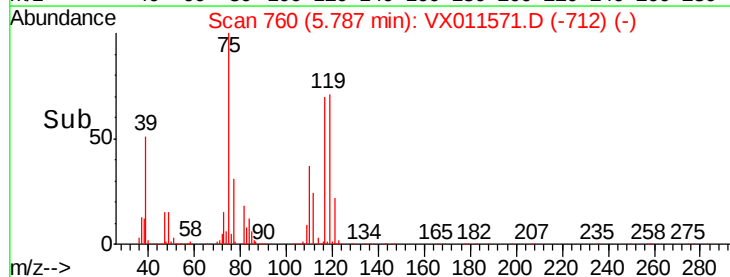
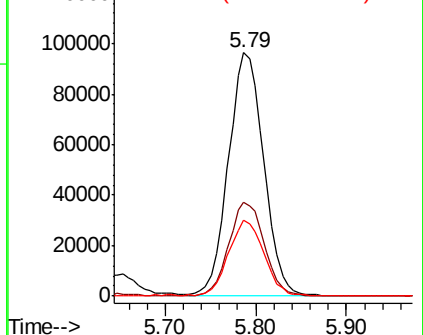
77 31.2 25.1 37.7

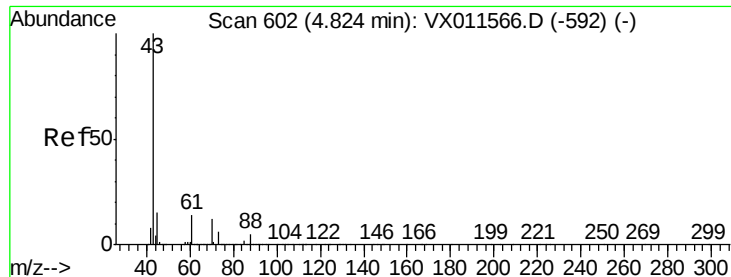


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

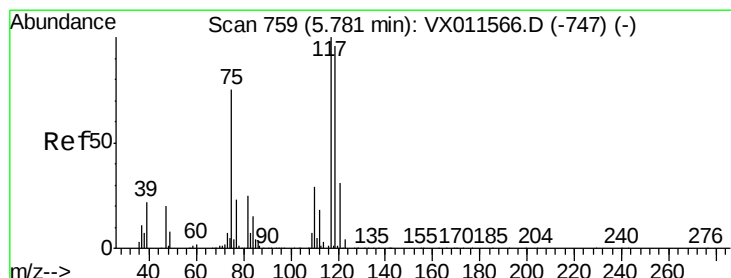
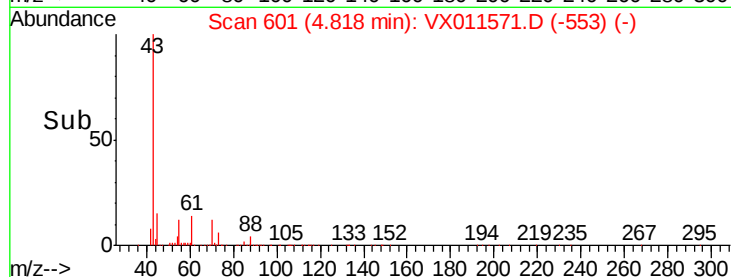
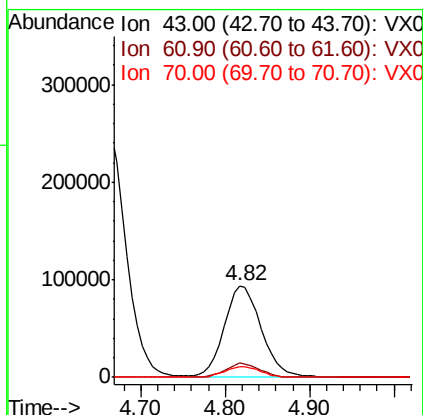
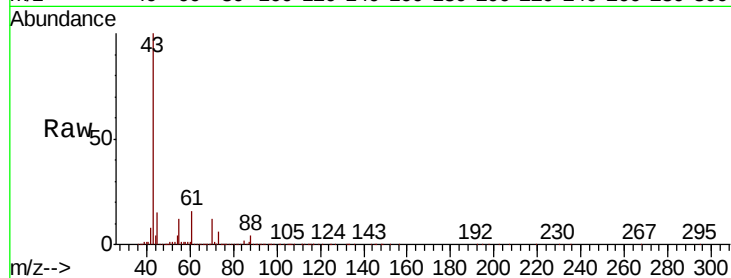




#37
Ethyl Acetate
Concen: 51.052 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

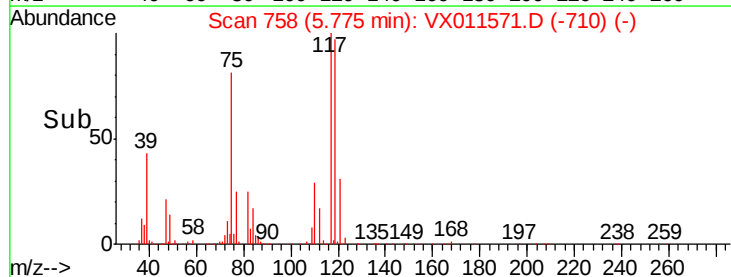
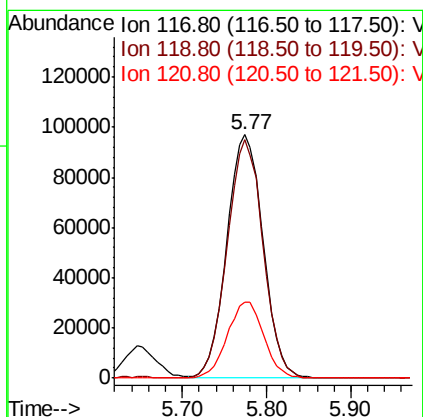
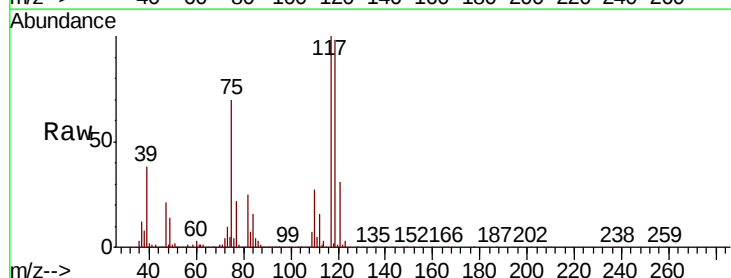
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

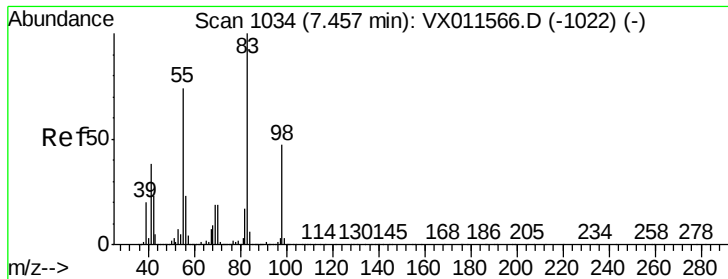
Tgt Ion: 43 Resp: 276754
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 54.504 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 117 Resp: 283020
Ion Ratio Lower Upper
117 100
119 97.9 76.9 115.3
121 31.0 24.8 37.2

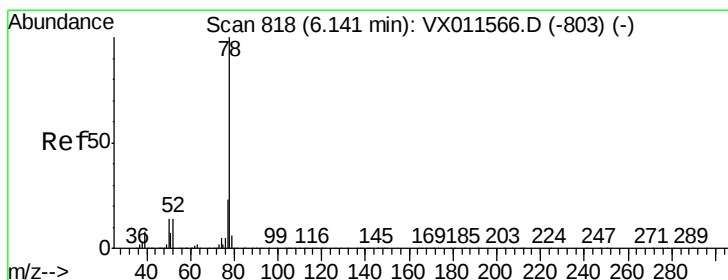
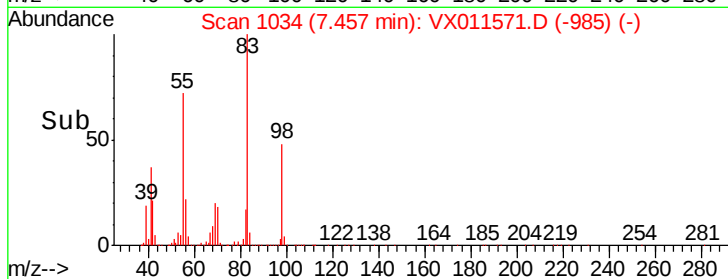
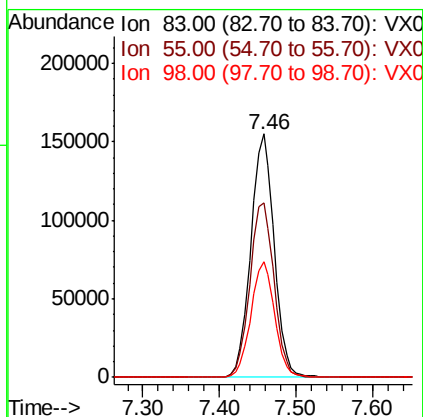
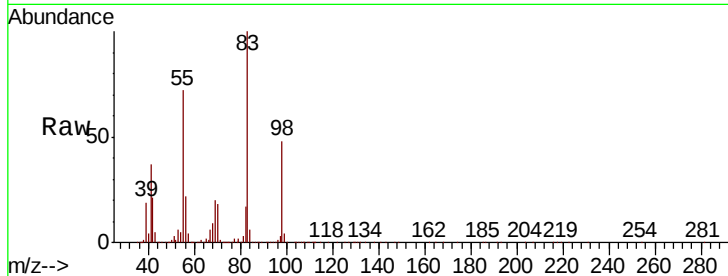




#39
Methylcyclohexane
Concen: 56.958 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

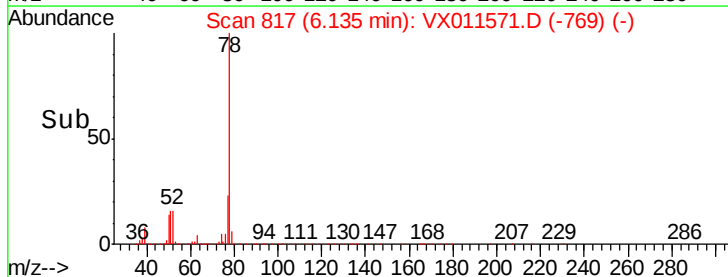
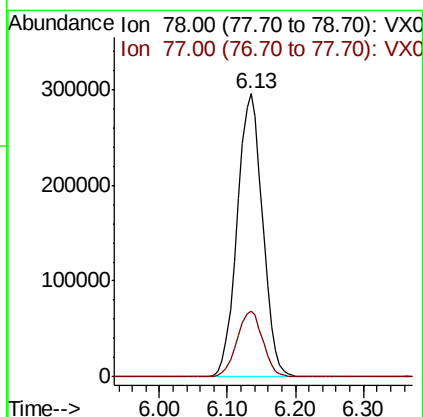
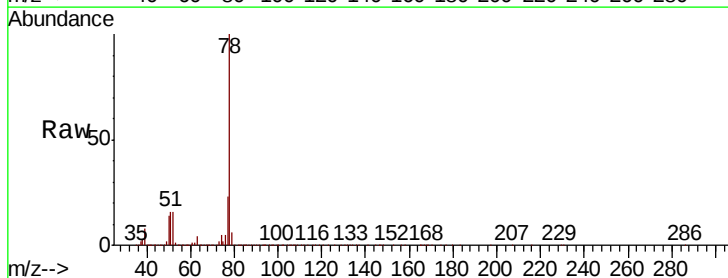
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

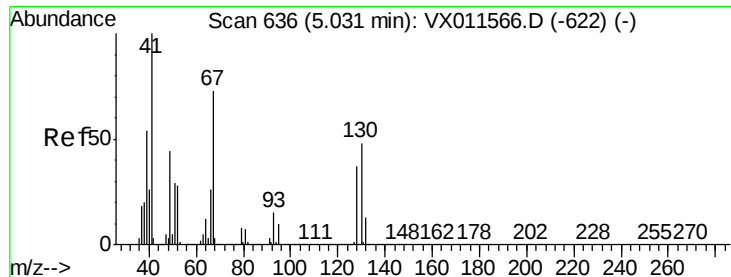
Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.8	88.2
98	47.6	37.8	56.6



#40
Benzene
Concen: 52.349 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0

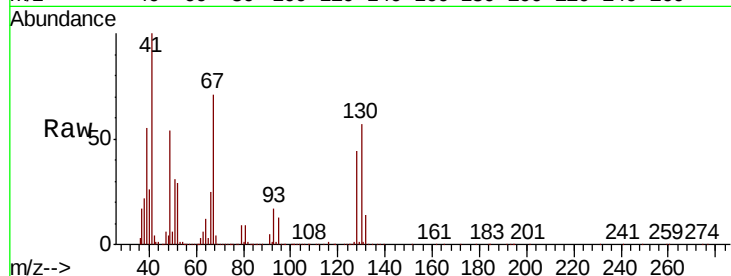




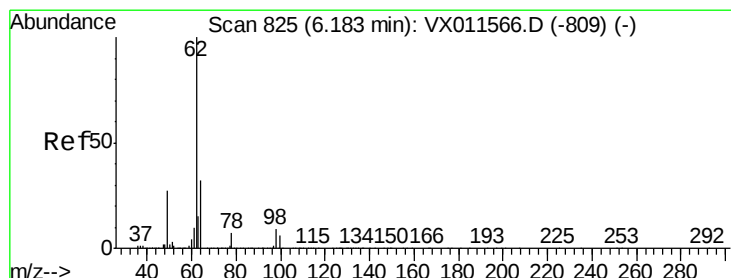
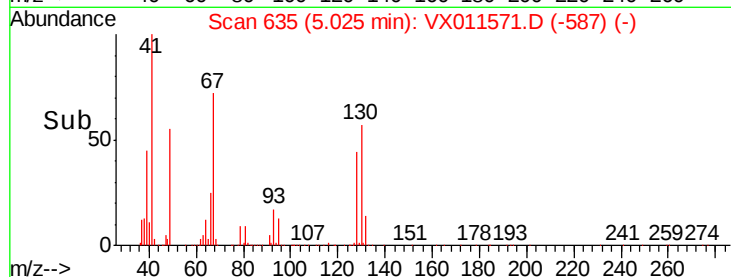
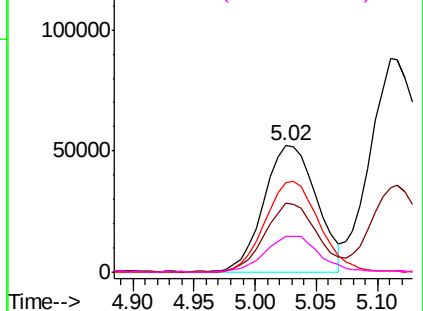
#41
Methacrylonitrile
Concen: 52.643 ug/l
RT: 5.02 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	157065
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.5	65.3
67	73.7	59.4	89.2
52	29.1	23.4	35.2

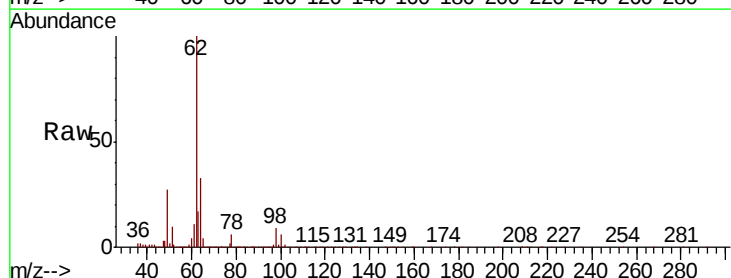


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

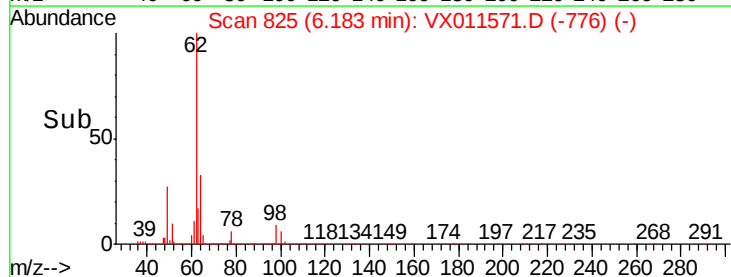
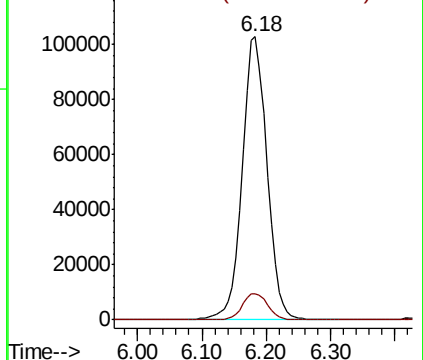


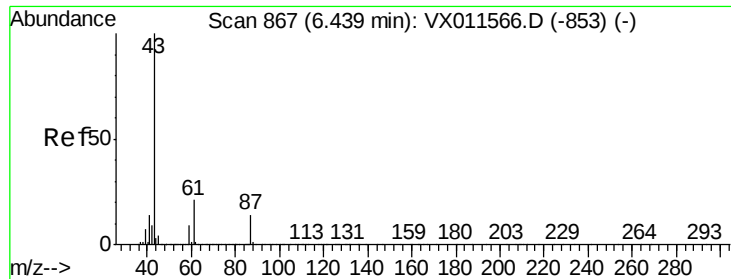
#42
1,2-Dichloroethane
Concen: 53.531 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion:	62	Resp:	271646
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.601 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

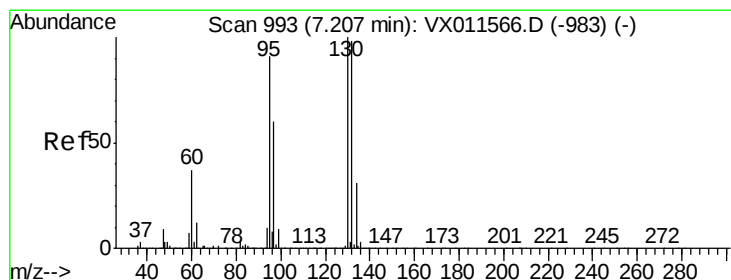
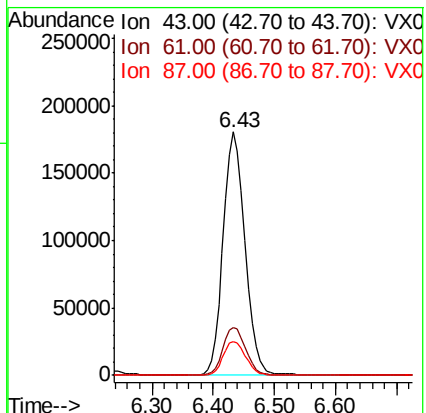
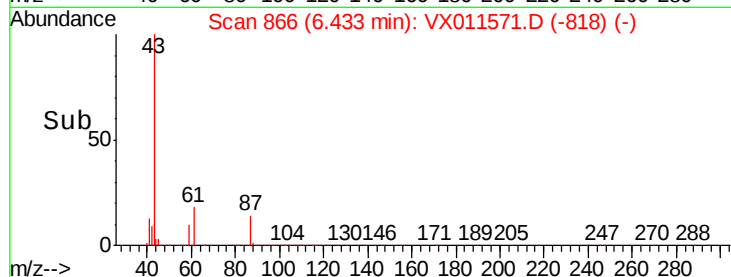
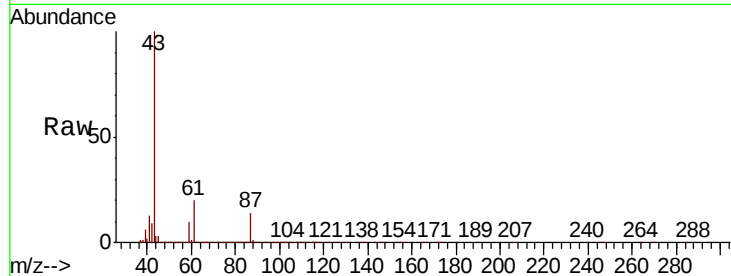
Tgt Ion: 43 Resp: 445017

Ion Ratio Lower Upper

43 100

61 20.5 16.6 24.8

87 14.3 11.4 17.2



#44

Trichloroethene

Concen: 54.163 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011571.D

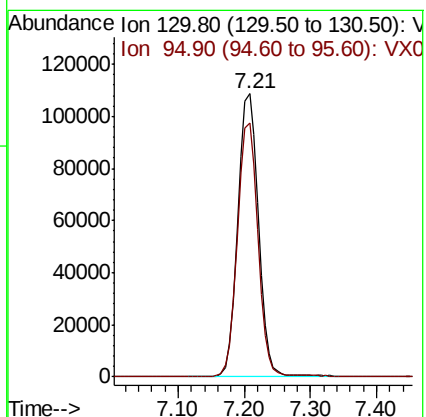
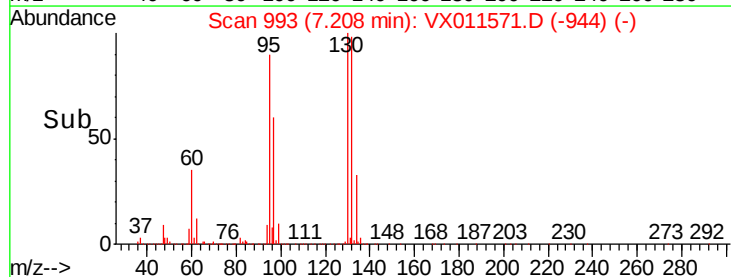
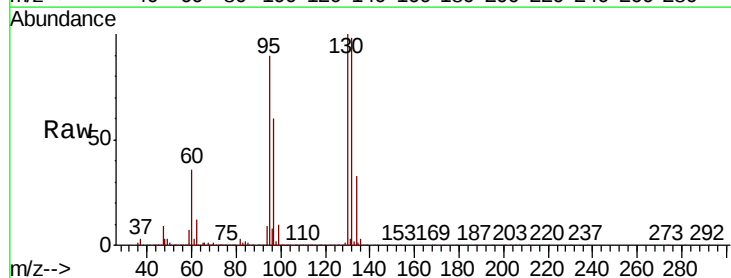
Acq: 16 Aug 2019 10:46

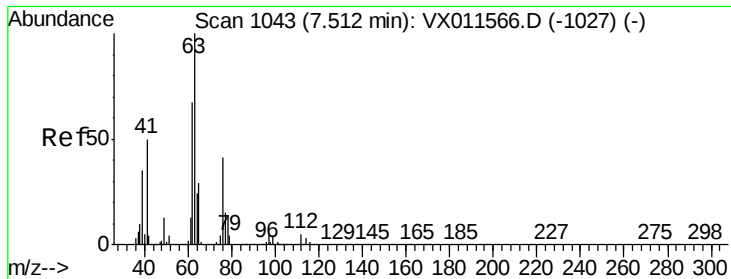
Tgt Ion: 130 Resp: 235335

Ion Ratio Lower Upper

130 100

95 89.8 0.0 181.4

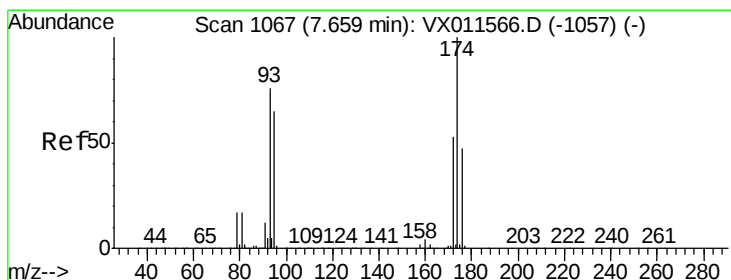
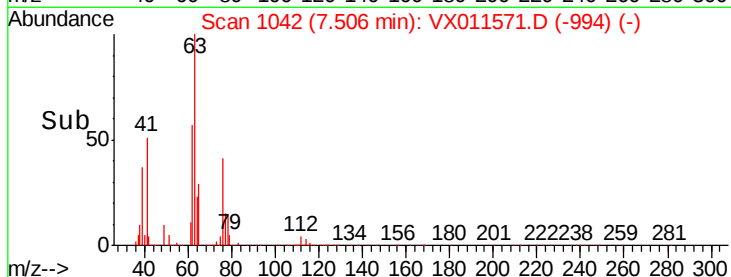
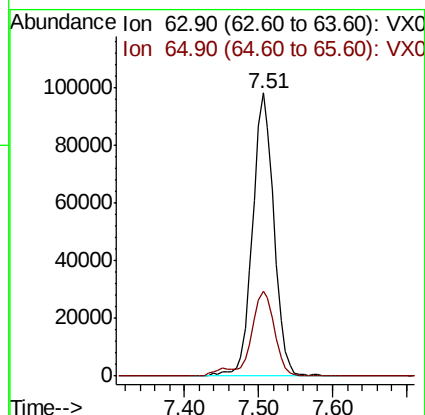
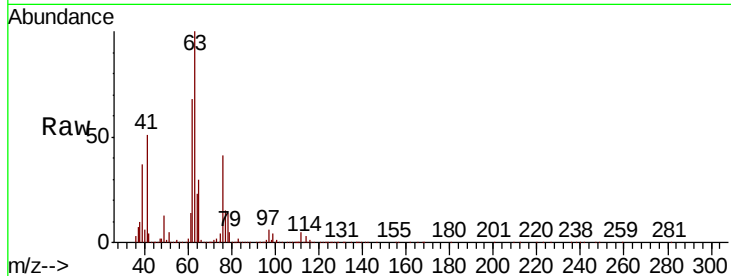




#45
 1,2-Dichloropropane
 Concen: 54.252 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

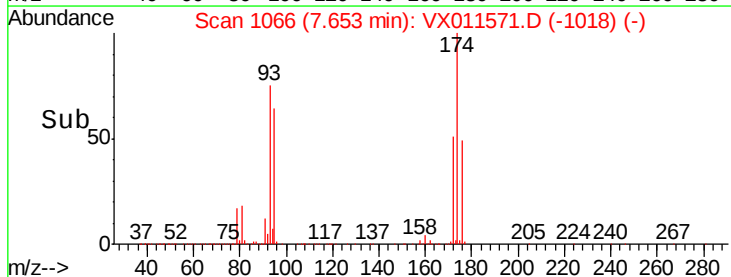
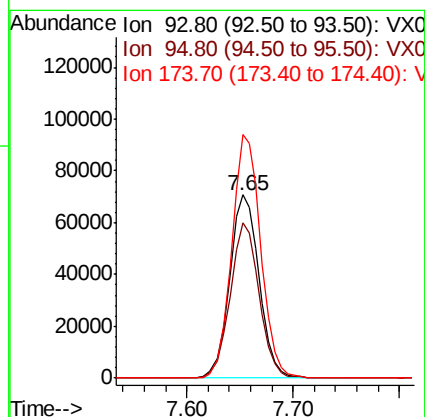
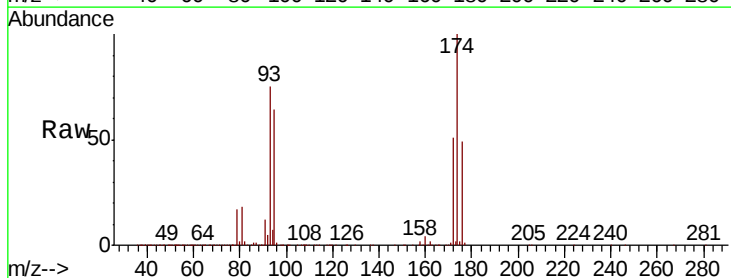
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

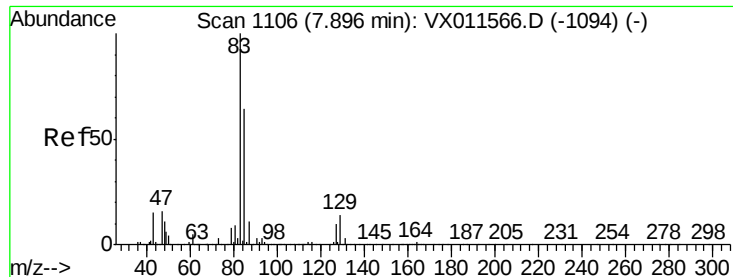
Tgt Ion: 63 Resp: 198169
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.4 35.2



#46
 Dibromomethane
 Concen: 51.276 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 93 Resp: 136108
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.2 100.8
 174 132.1 105.5 158.3





#47

Bromodichloromethane

Concen: 54.817 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

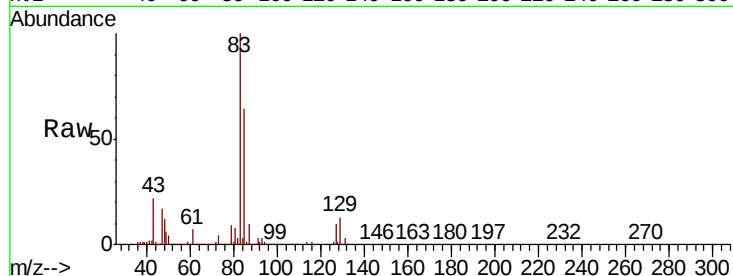
Tgt Ion: 83 Resp: 267168

Ion Ratio Lower Upper

83 100

85 63.4 51.2 76.8

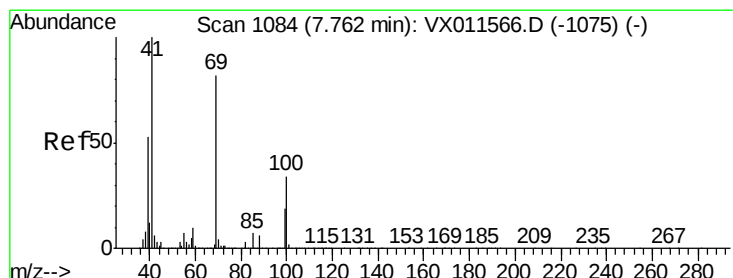
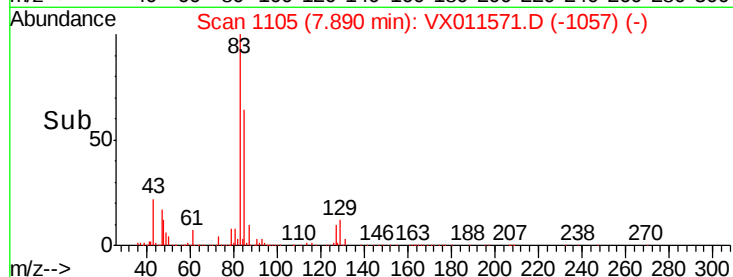
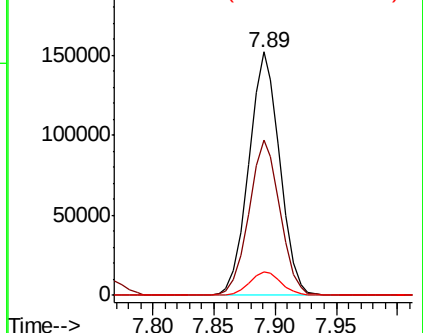
127 9.8 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.870 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

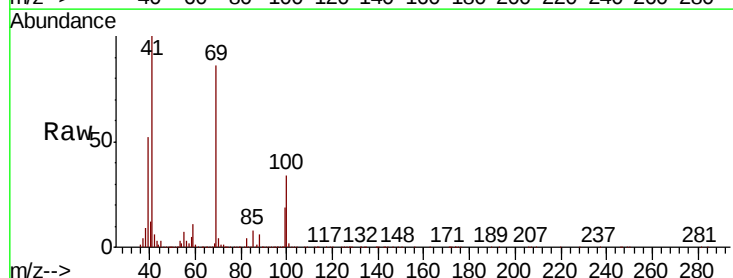
Tgt Ion: 41 Resp: 225695

Ion Ratio Lower Upper

41 100

69 84.6 67.9 101.9

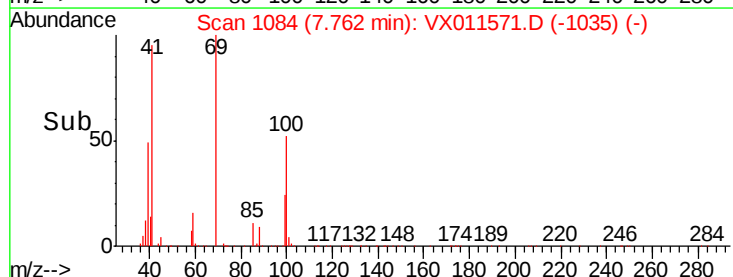
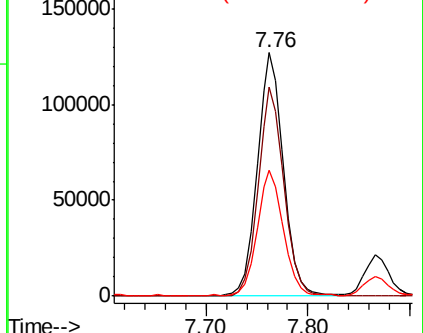
39 51.8 41.6 62.4

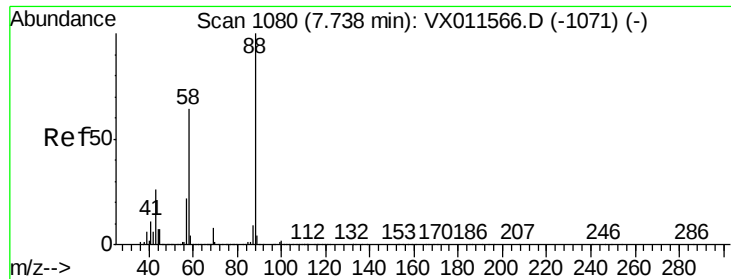


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

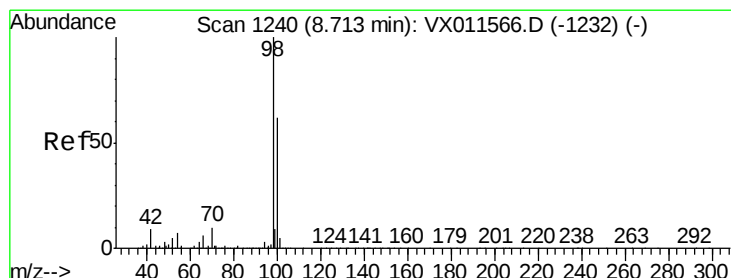
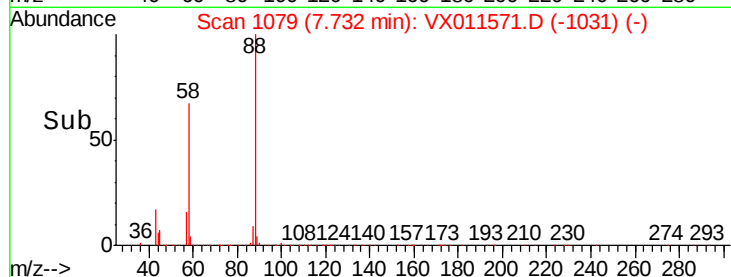
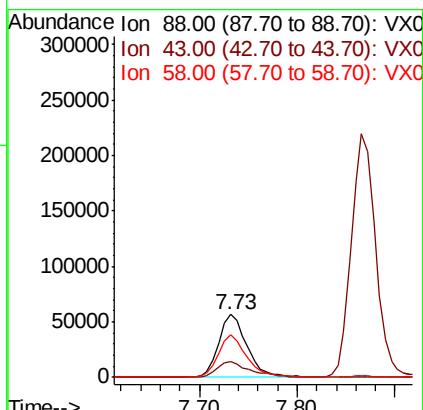
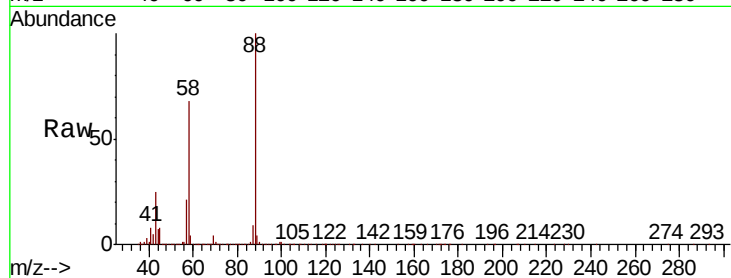




#49
1,4-Dioxane
Concen: 1015.834 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

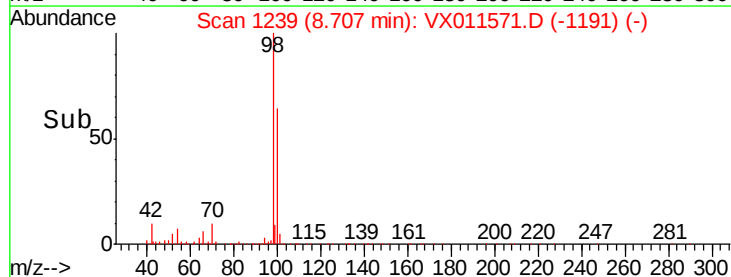
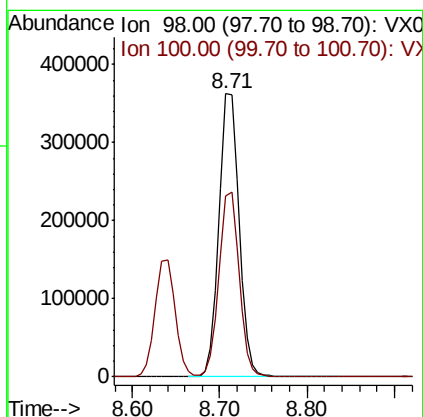
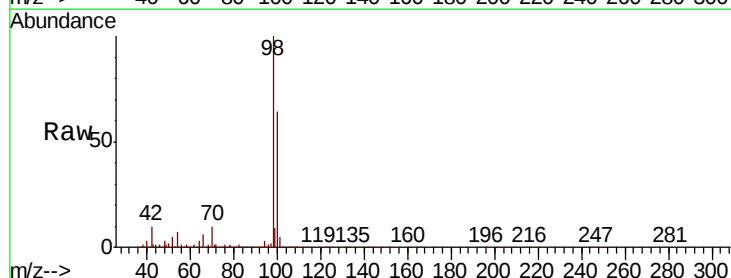
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

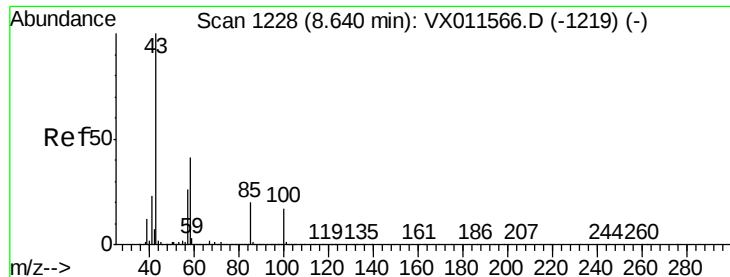
Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.4	35.0
58	68.5	54.3	81.5



#50
Toluene-d8
Concen: 51.421 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

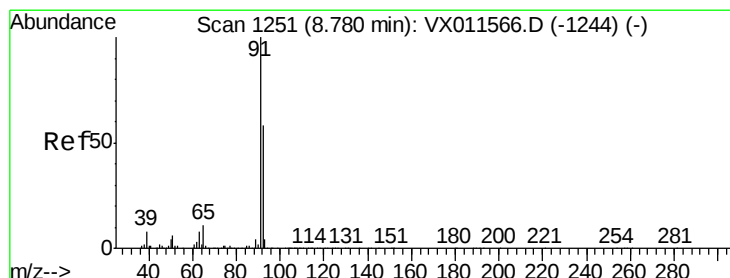
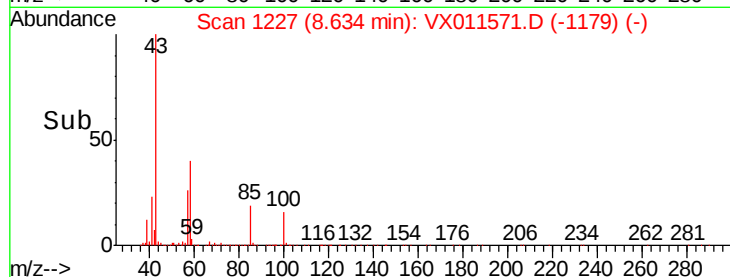
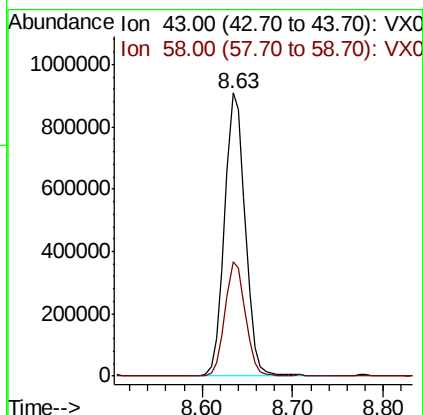
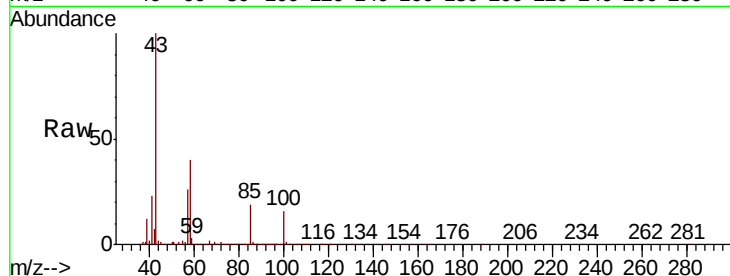




#51
 4-Methyl-2-Pentanone
 Concen: 260.281 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

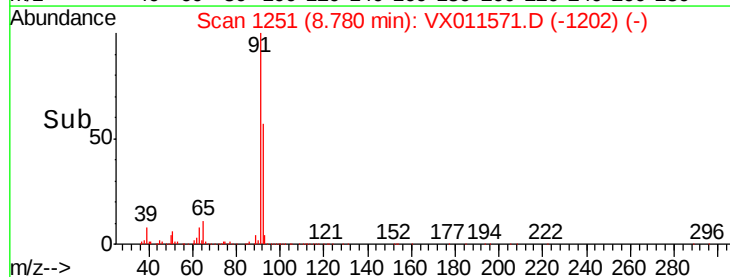
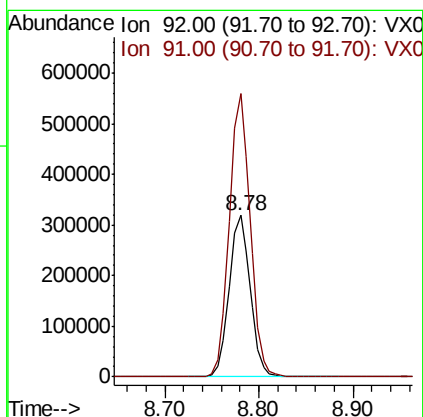
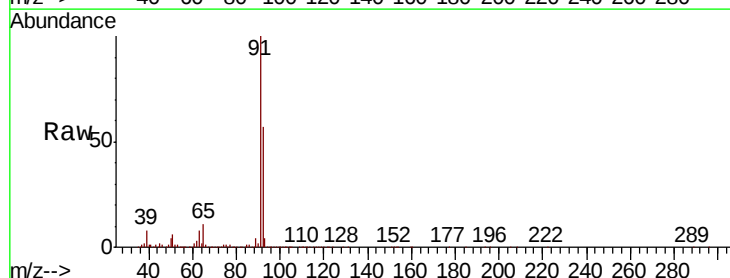
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

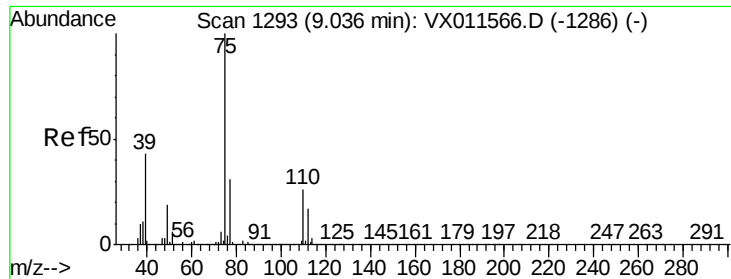
Tgt Ion: 43 Resp: 1441313
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6



#52
 Toluene
 Concen: 53.065 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 92 Resp: 495156
 Ion Ratio Lower Upper
 92 100
 91 174.6 138.0 207.0

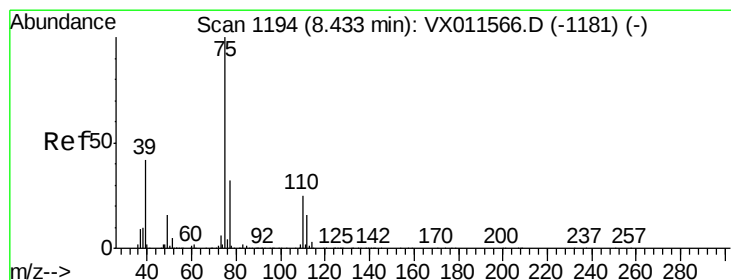
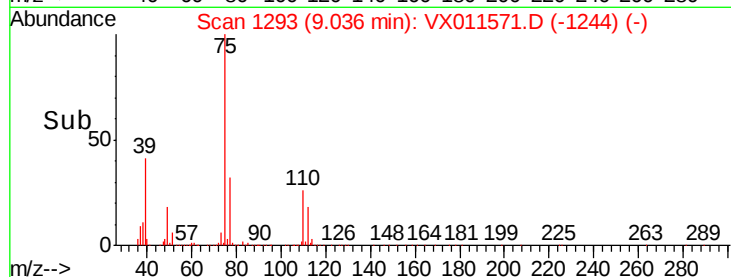
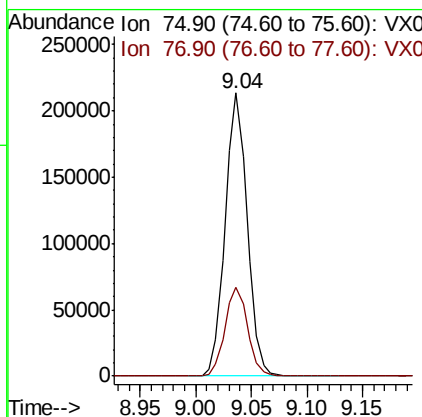
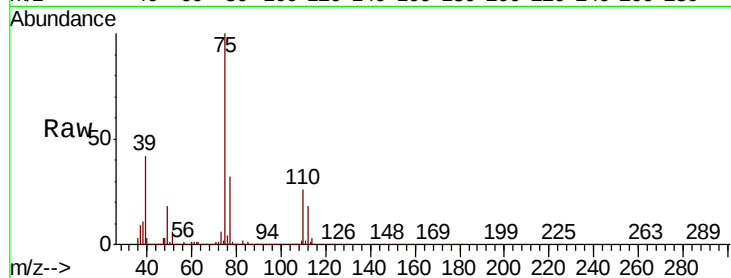




#53
t-1,3-Dichloropropene
Concen: 57.913 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

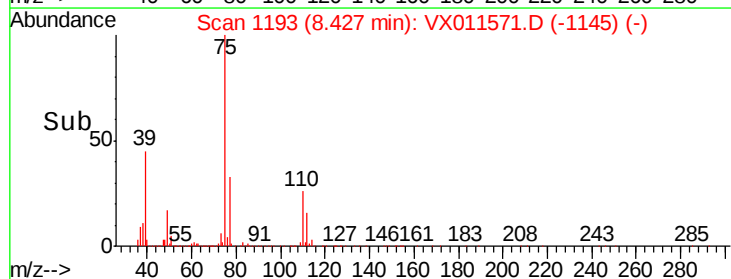
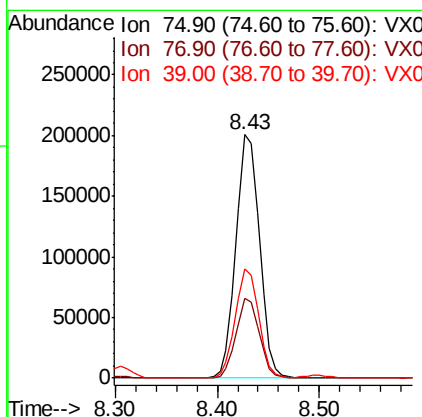
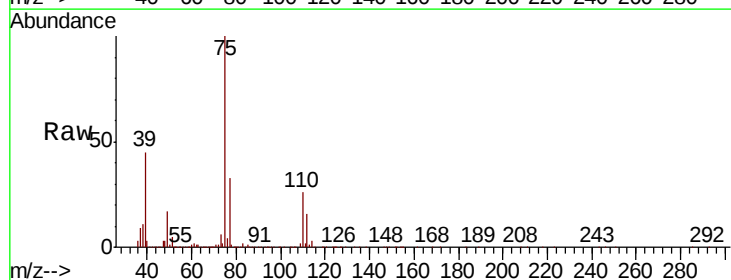
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

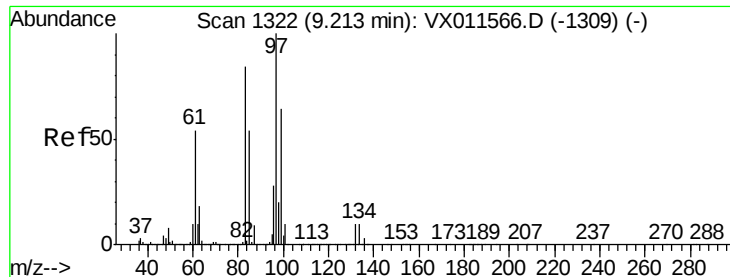
Tgt Ion: 75 Resp: 292937
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 57.770 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 75 Resp: 319790
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
39 44.9 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 52.208 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 207166

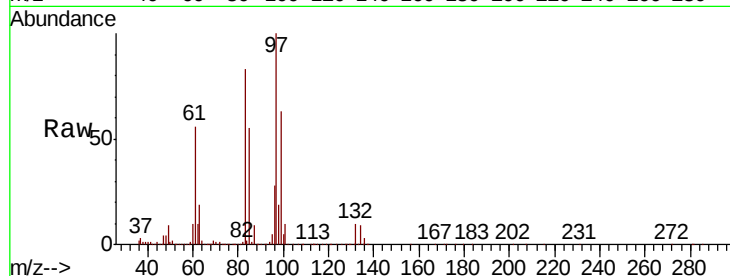
Ion Ratio Lower Upper

97 100

83 83.1 67.4 101.0

85 54.7 43.4 65.2

99 62.8 51.1 76.7

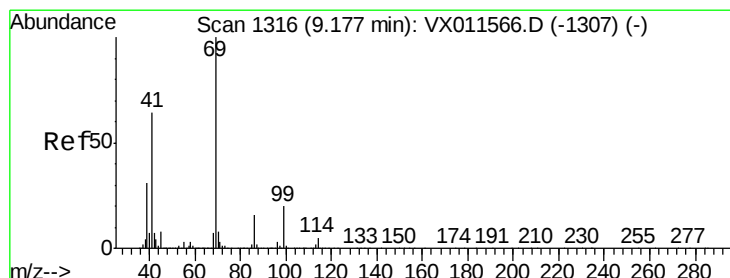
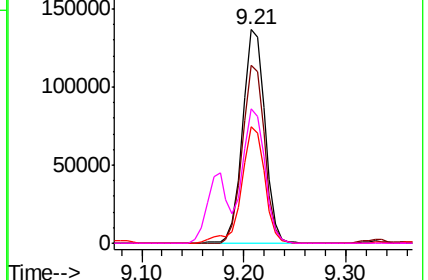
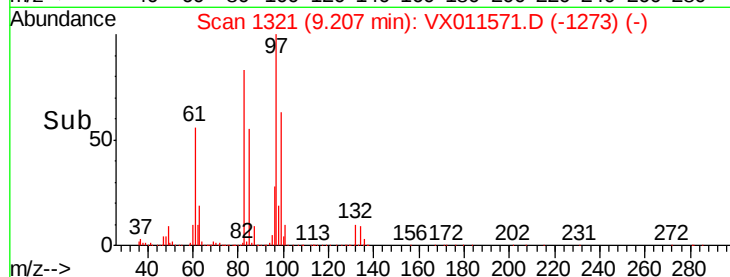


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 55.098 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

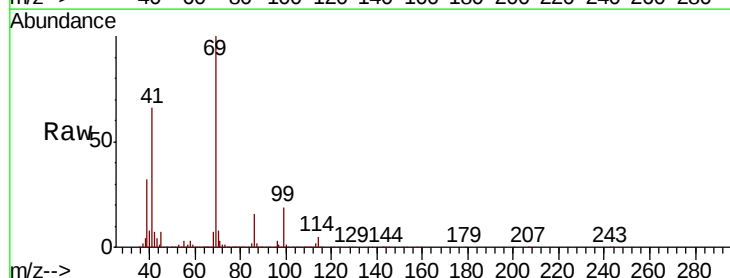
Tgt Ion: 69 Resp: 317768

Ion Ratio Lower Upper

69 100

41 65.1 52.1 78.1

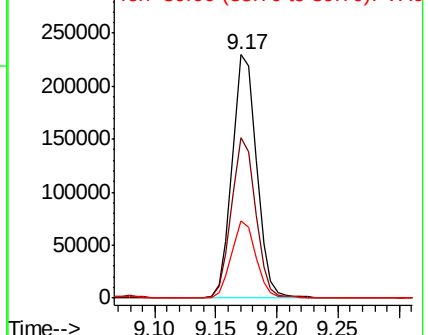
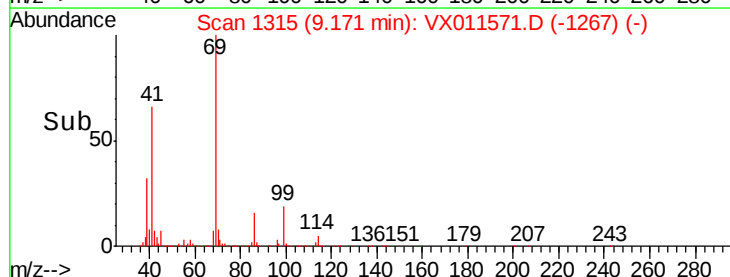
39 31.6 25.4 38.0

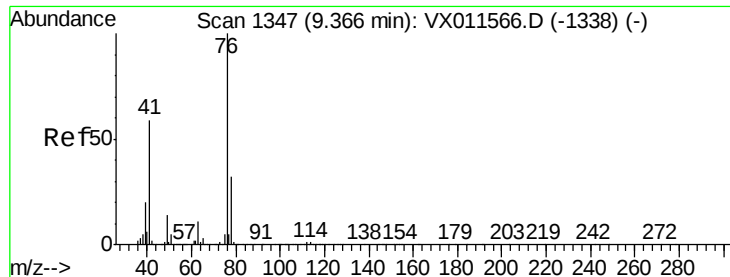


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.887 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

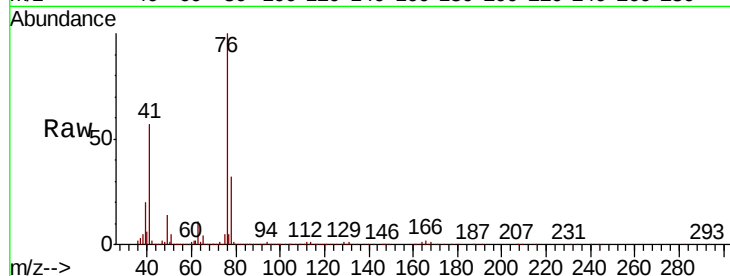
VSTDCCC050

Tgt Ion: 76 Resp: 333589

Ion Ratio Lower Upper

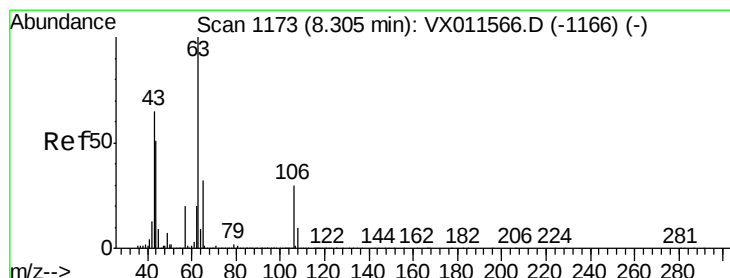
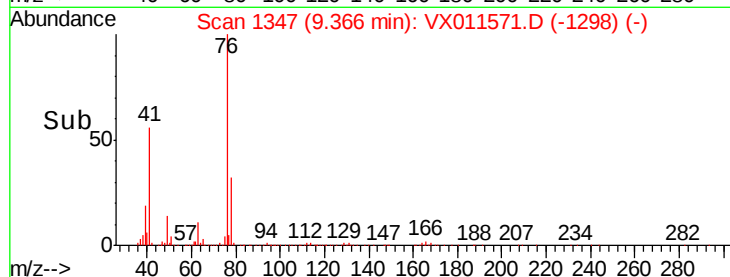
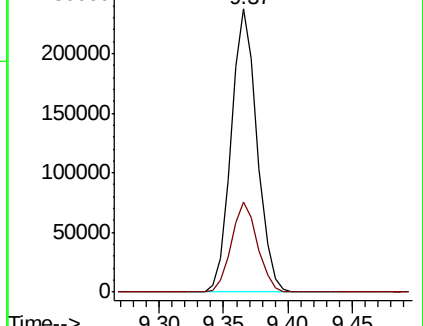
76 100

78 32.3 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.775 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011571.D

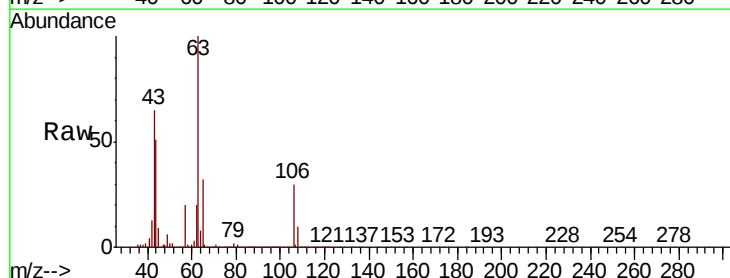
Acq: 16 Aug 2019 10:46

Tgt Ion: 63 Resp: 740758

Ion Ratio Lower Upper

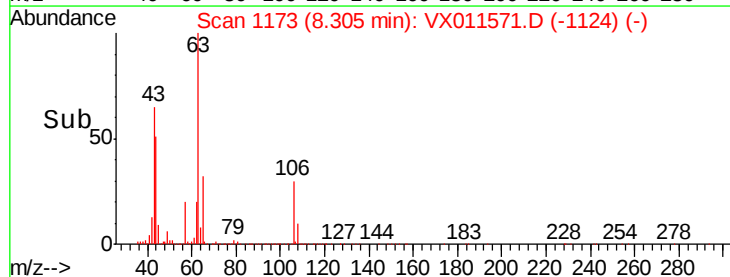
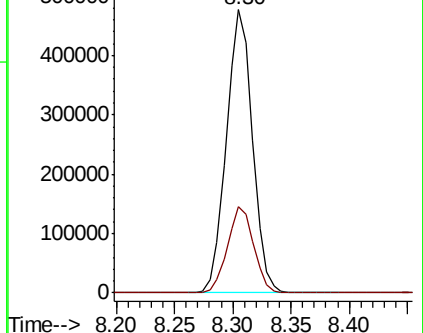
63 100

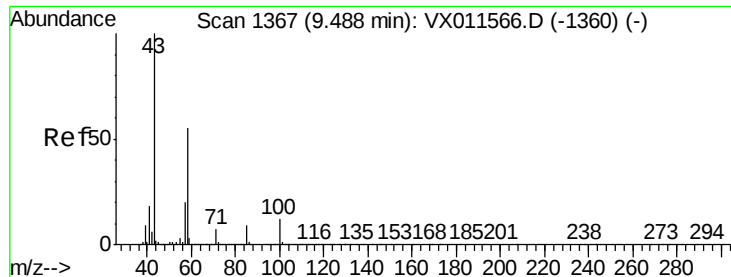
106 30.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

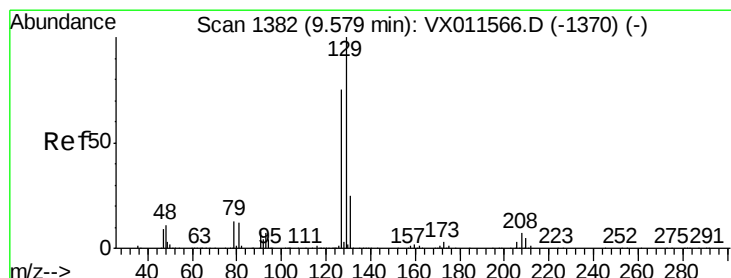
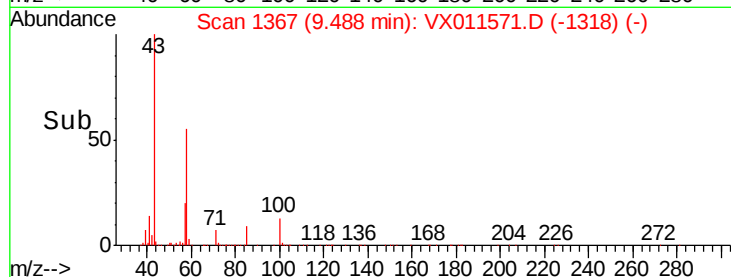
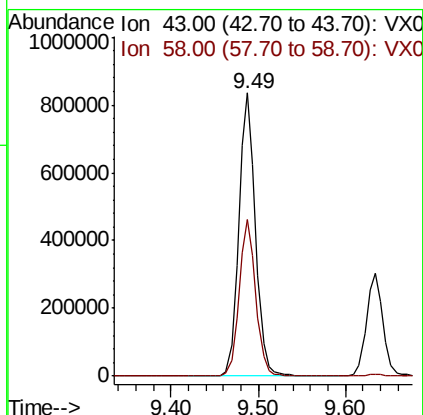
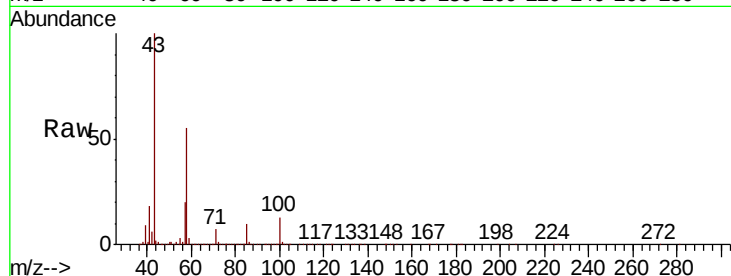




#59
2-Hexanone
Concen: 259.944 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

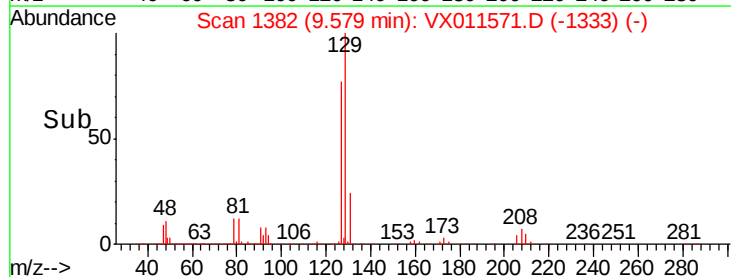
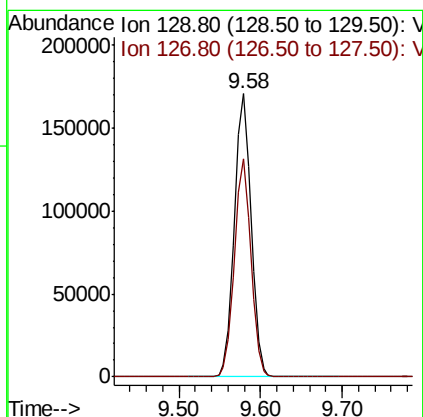
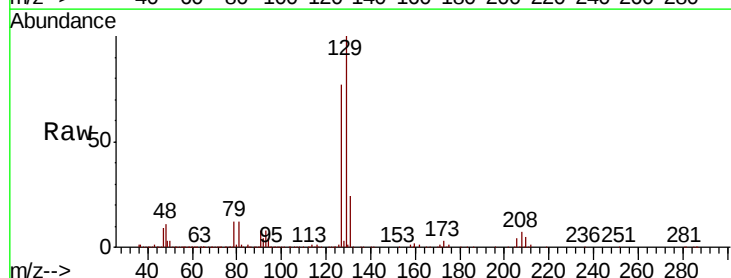
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

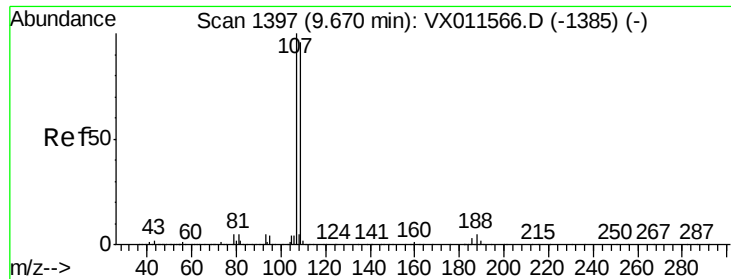
Tgt Ion: 43 Resp: 1110040
Ion Ratio Lower Upper
43 100
58 55.3 27.5 82.4



#60
Dibromochloromethane
Concen: 57.705 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 129 Resp: 238571
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1





#61

1,2-Dibromoethane

Concen: 53.043 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

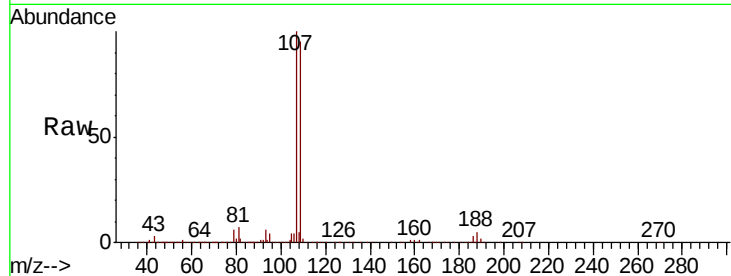
VSTDCCC050

Tgt Ion: 107 Resp: 224631

Ion Ratio Lower Upper

107 100

109 95.0 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

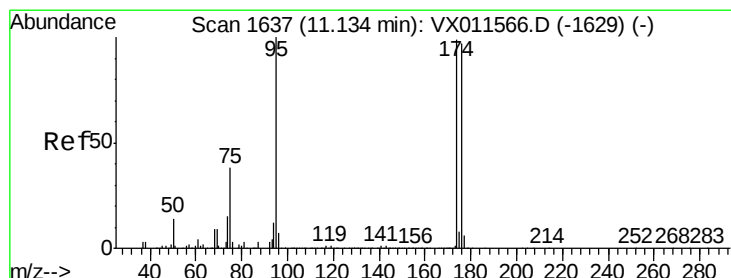
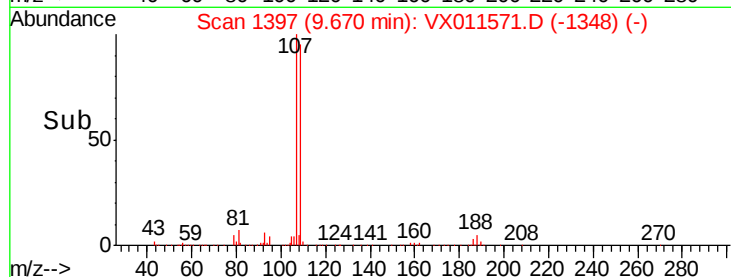
100000

50000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 51.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

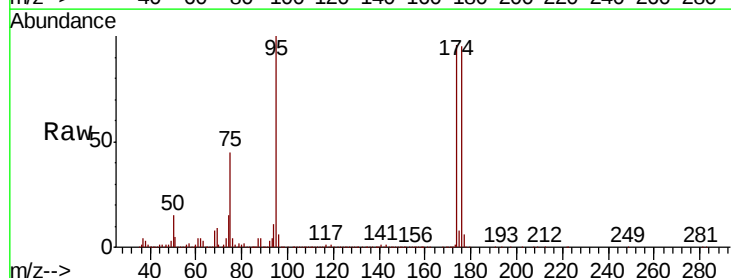
Tgt Ion: 95 Resp: 242314

Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

176 97.1 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

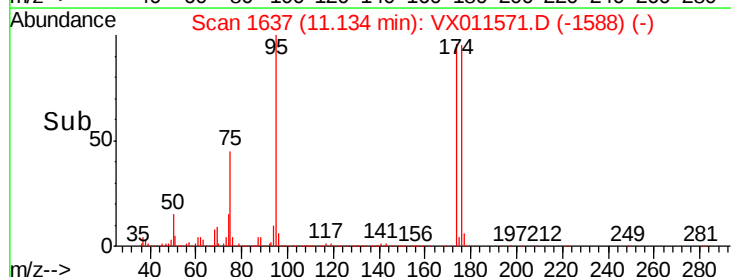
100000

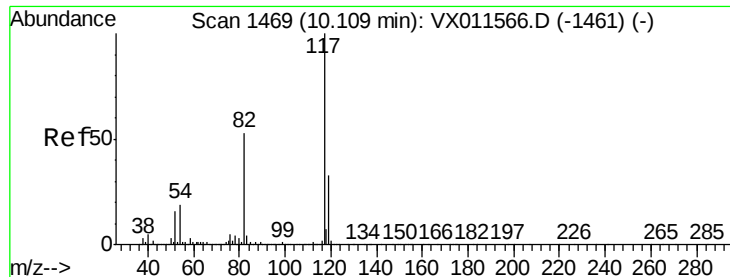
50000

0

11.10 11.20

Time-->

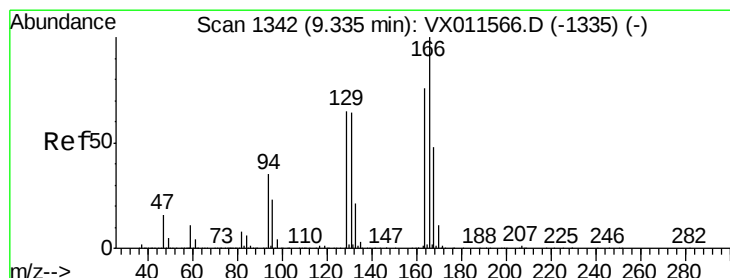
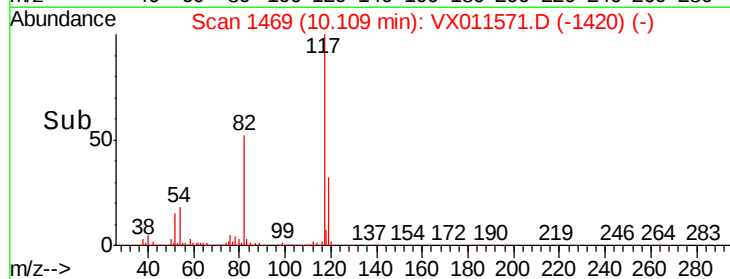
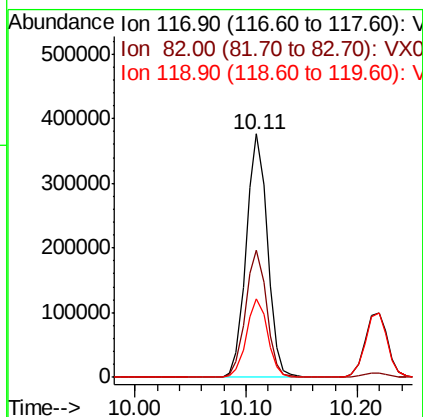
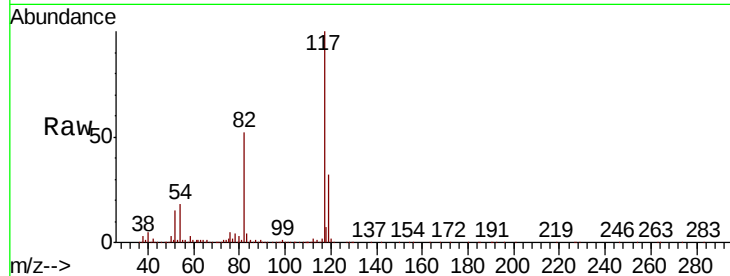




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

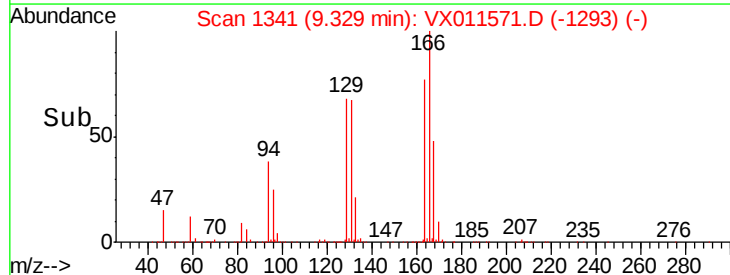
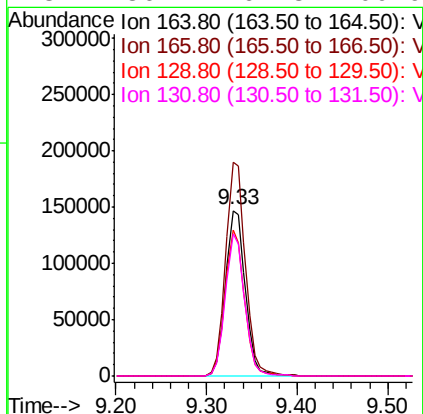
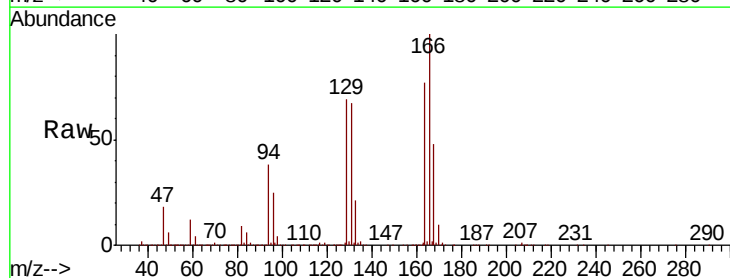
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

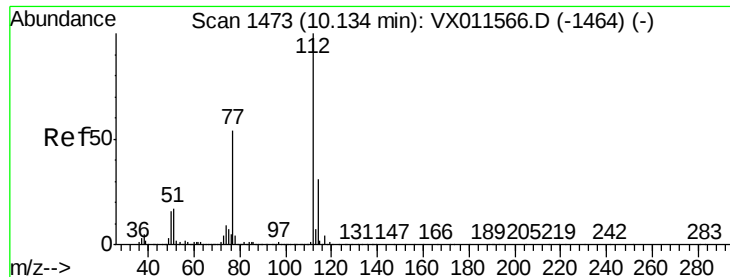
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.0	63.0
119	32.3	26.5	39.7



#64
Tetrachloroethene
Concen: 54.537 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	104.7	157.1
129	88.5	68.2	102.4
131	86.1	67.3	100.9





#65

Chlorobenzene

Concen: 53.401 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

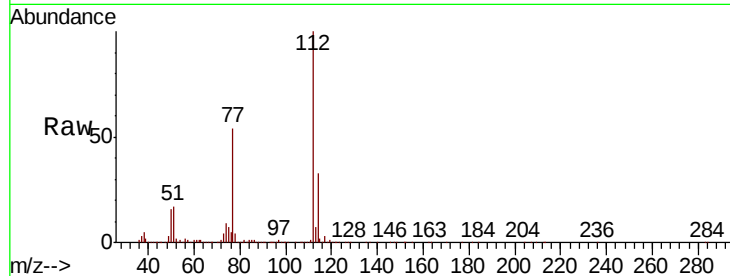
VSTDCCC050

Tgt Ion:112 Resp: 567613

Ion Ratio Lower Upper

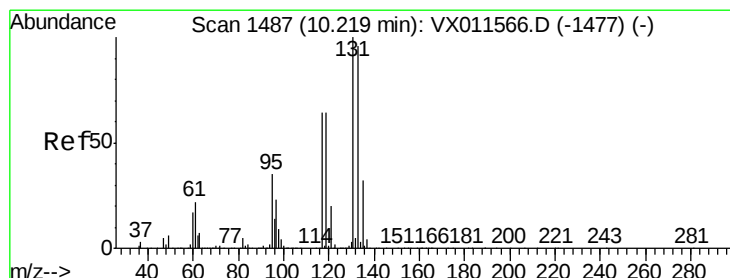
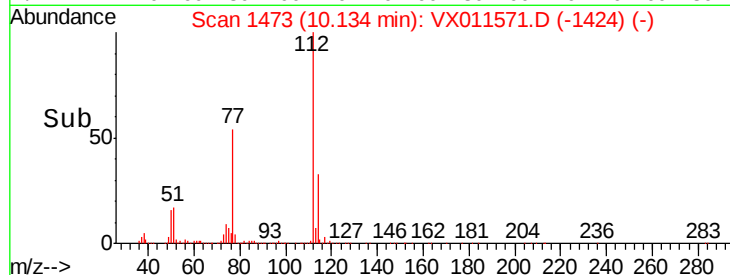
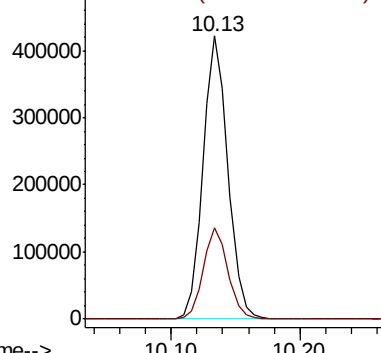
112 100

114 32.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.595 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

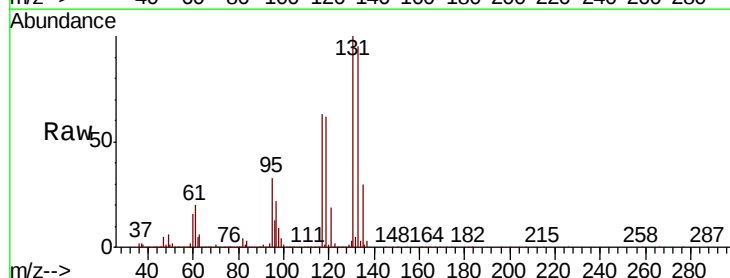
Tgt Ion:131 Resp: 220873

Ion Ratio Lower Upper

131 100

133 95.0 48.1 144.4

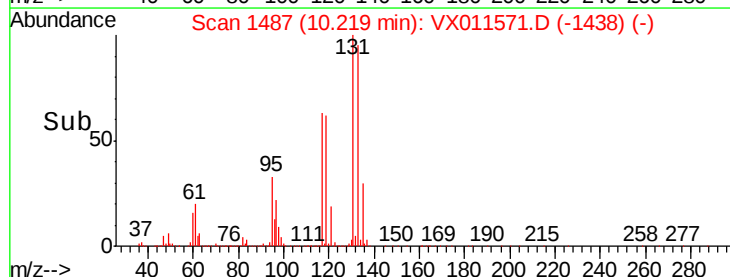
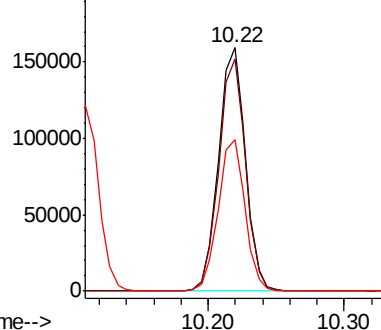
119 62.5 31.3 93.8

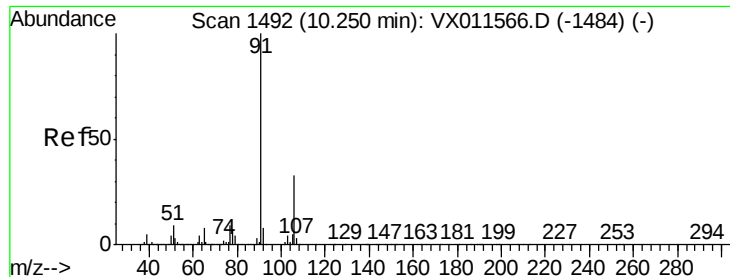


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.736 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

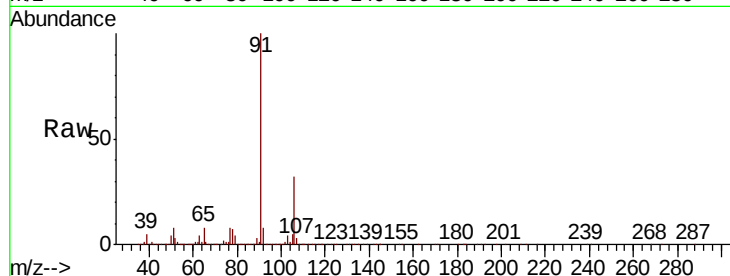
VSTDCCC050

Tgt Ion: 91 Resp: 970982

Ion Ratio Lower Upper

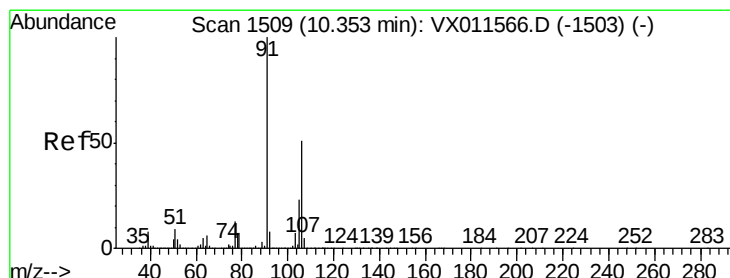
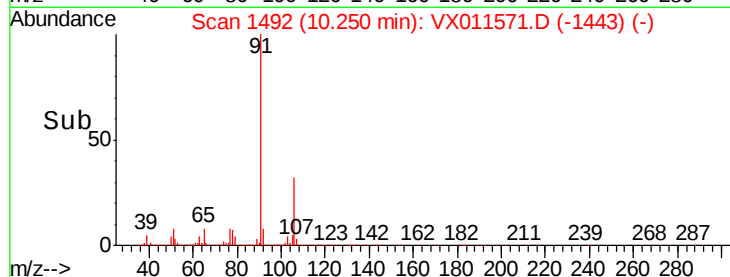
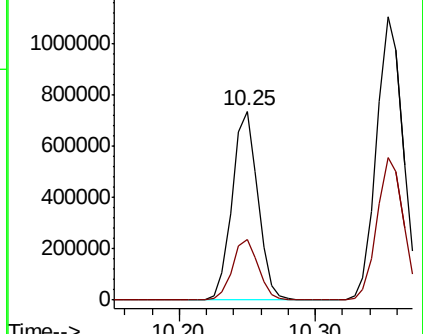
91 100

106 32.3 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.378 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011571.D

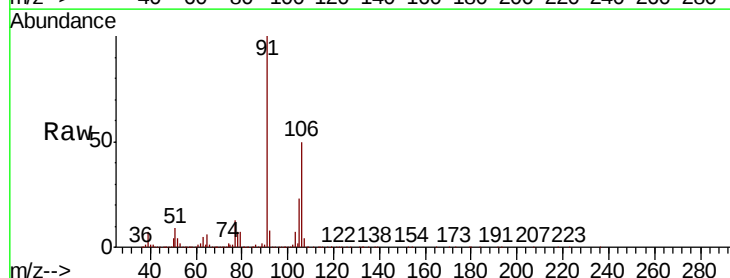
Acq: 16 Aug 2019 10:46

Tgt Ion: 106 Resp: 758403

Ion Ratio Lower Upper

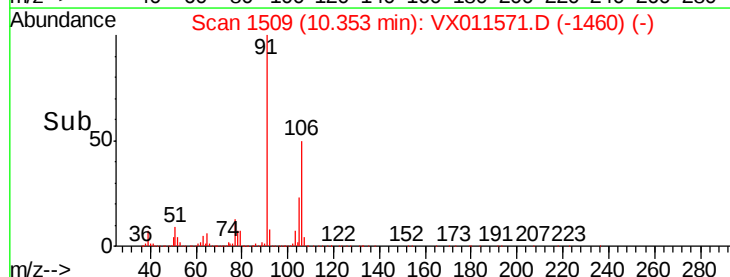
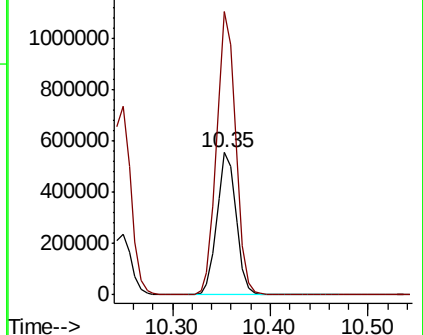
106 100

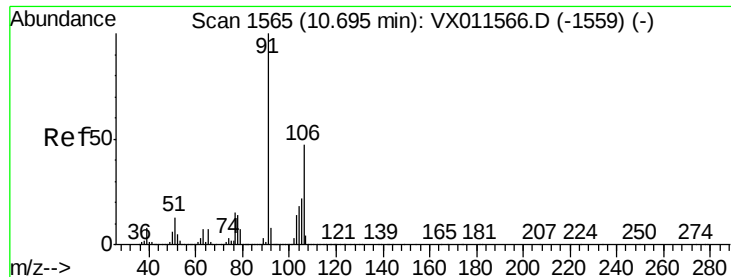
91 197.5 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

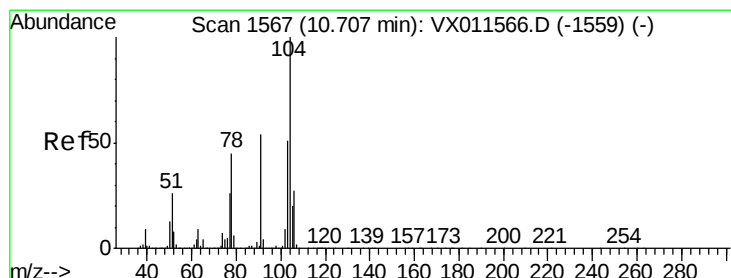
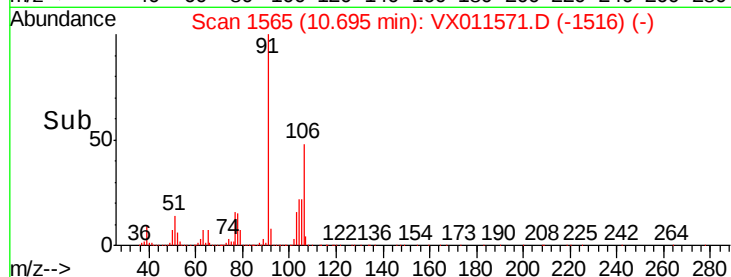
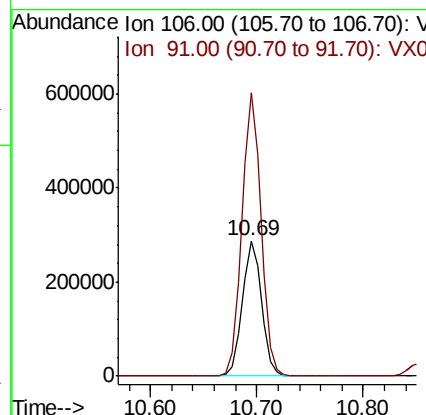
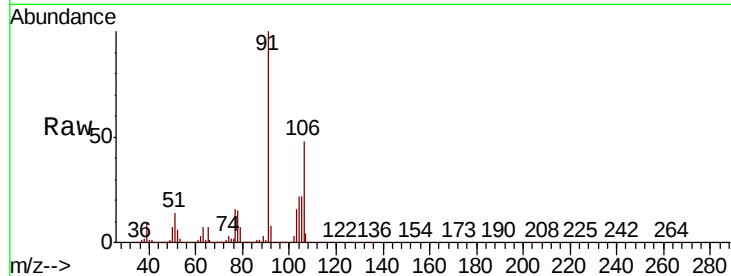




#69
o-Xylene
Concen: 55.010 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

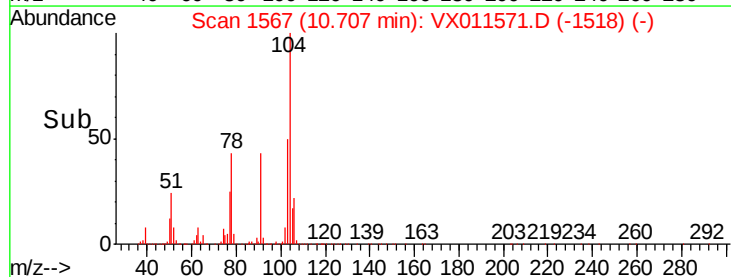
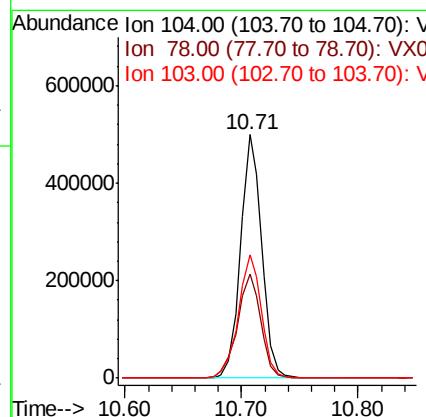
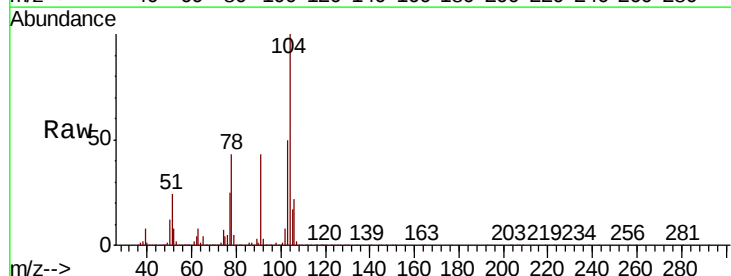
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

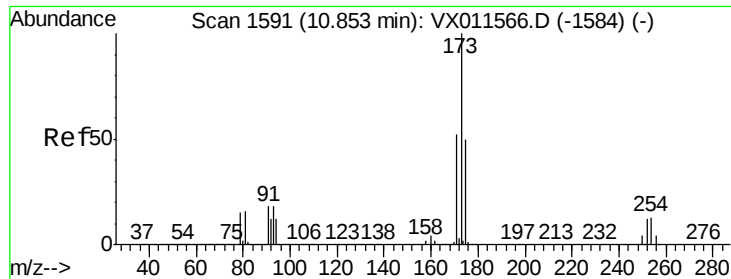
Tgt Ion:106 Resp: 366911
Ion Ratio Lower Upper
106 100
91 207.8 105.5 316.4



#70
Styrene
Concen: 56.411 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion:104 Resp: 633395
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.4
103 55.1 43.6 65.4

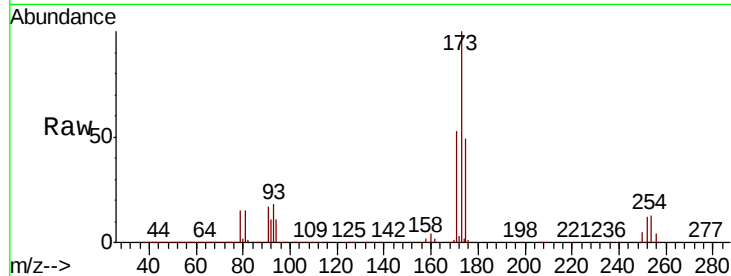




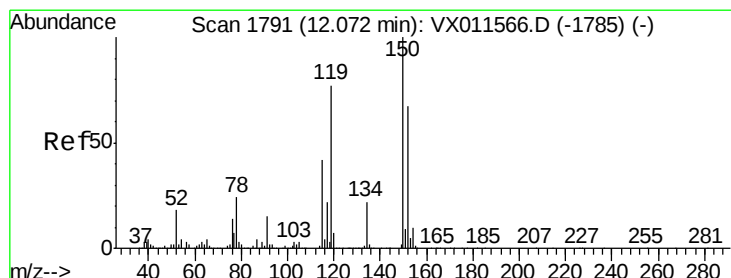
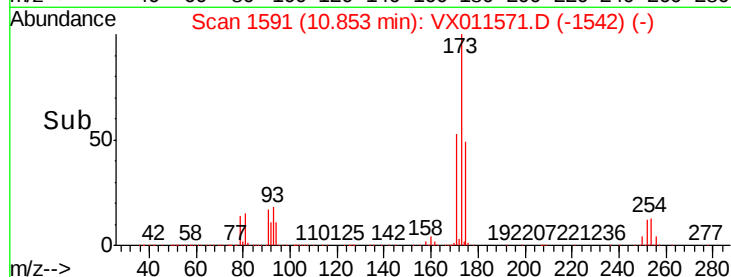
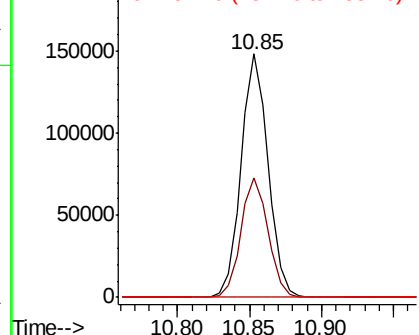
#71
Bromoform
Concen: 49.982 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 192960
Ion Ratio Lower Upper
173 100
175 49.6 24.9 74.7
254 0.2 0.1 0.1#

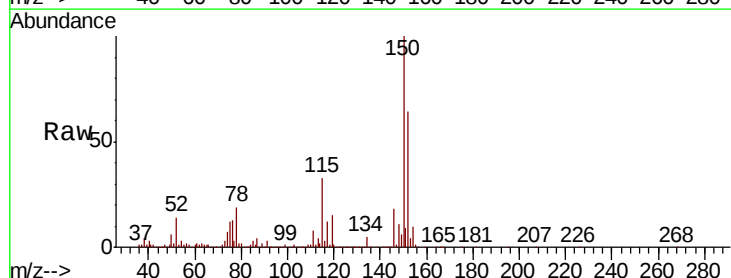


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

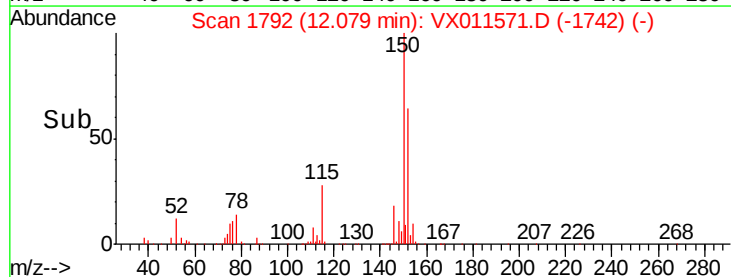
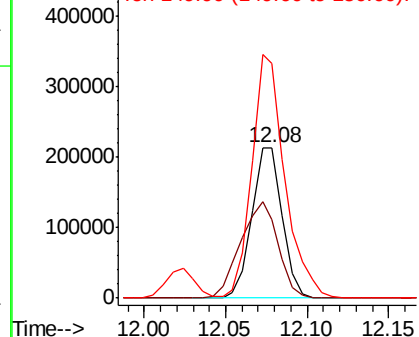


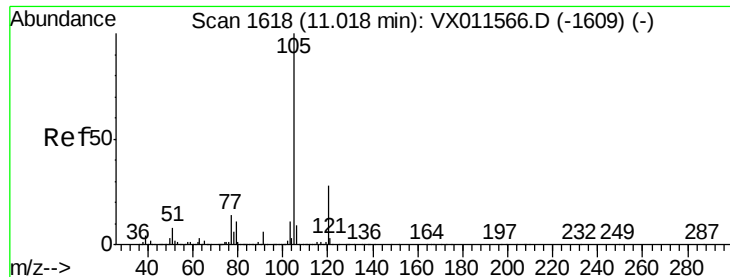
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion:152 Resp: 276539
Ion Ratio Lower Upper
152 100
115 79.0 37.3 111.9
150 175.8 0.0 346.2



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: 55.295 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

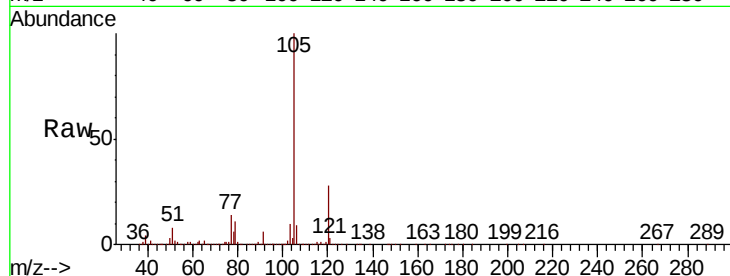
VSTDCCC050

Tgt Ion: 105 Resp: 992229

Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

800000

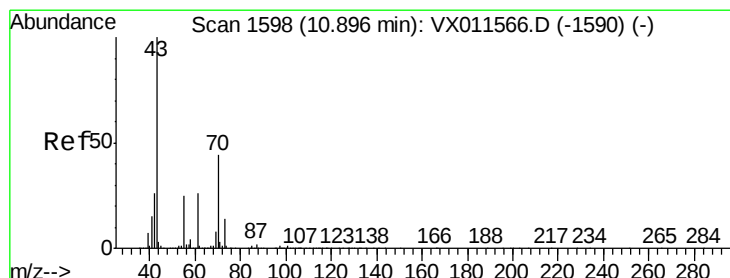
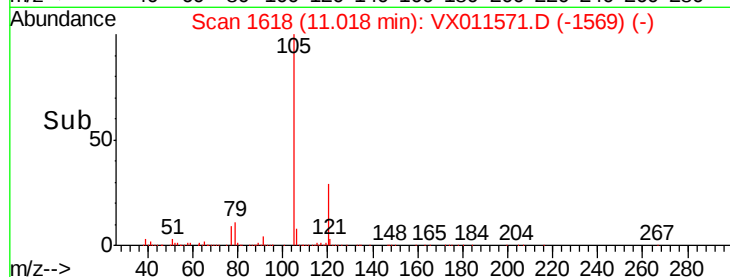
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 53.218 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion: 43 Resp: 405826

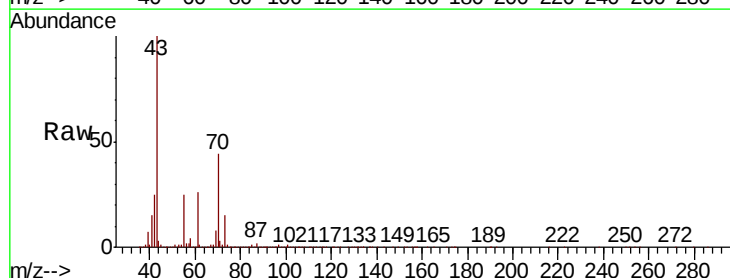
Ion Ratio Lower Upper

43 100

70 43.1 34.7 52.1

55 24.6 19.6 29.4

61 24.8 19.9 29.9



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

500000

400000

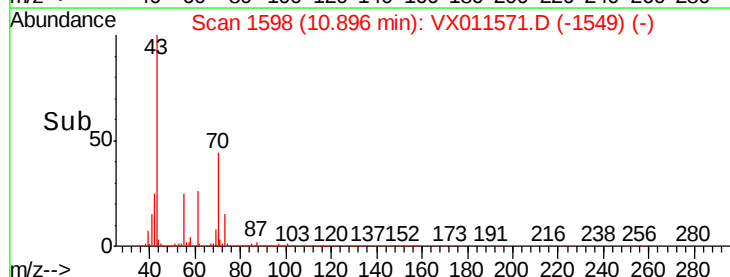
300000

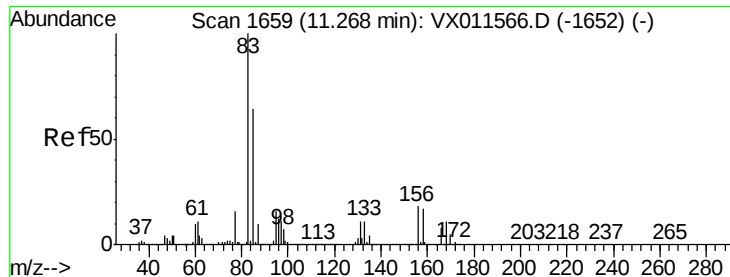
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.683 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

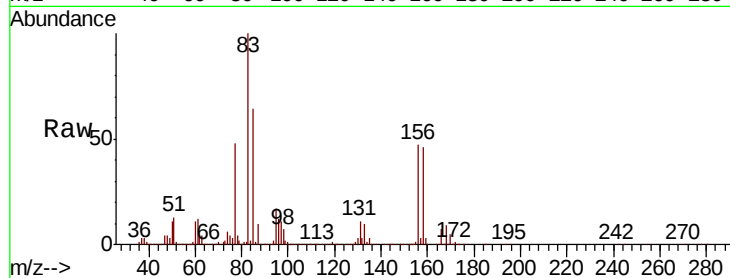
Tgt Ion: 83 Resp: 319033

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.3

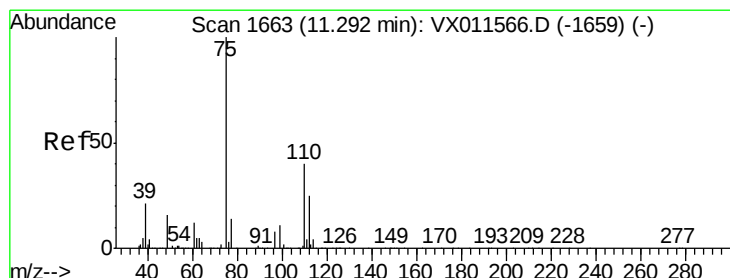
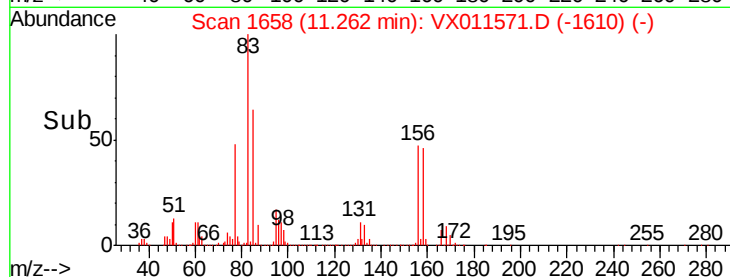
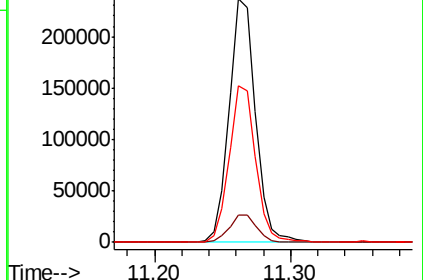
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 69.643 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011571.D

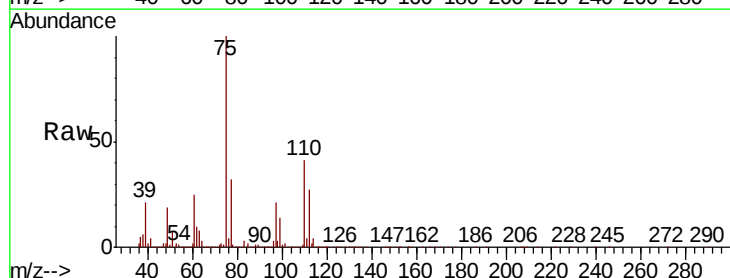
Acq: 16 Aug 2019 10:46

Tgt Ion: 75 Resp: 365196

Ion Ratio Lower Upper

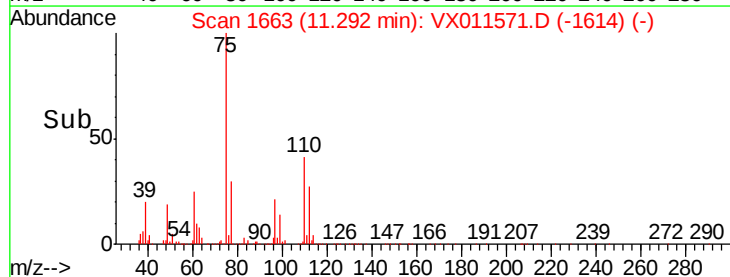
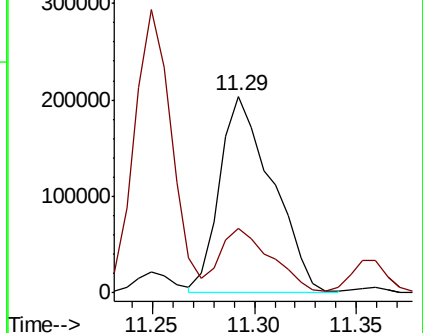
75 100

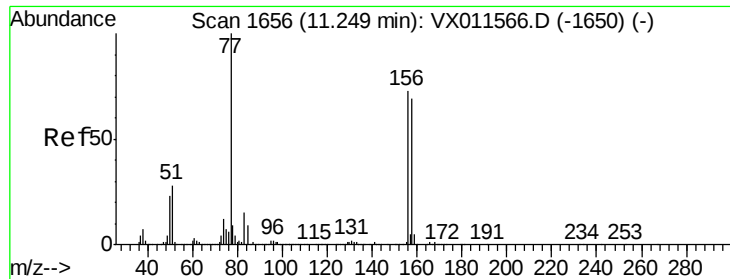
77 31.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

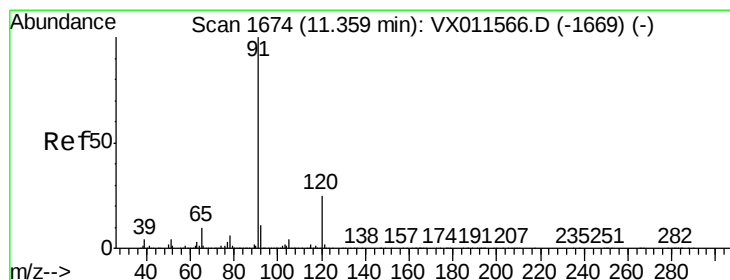
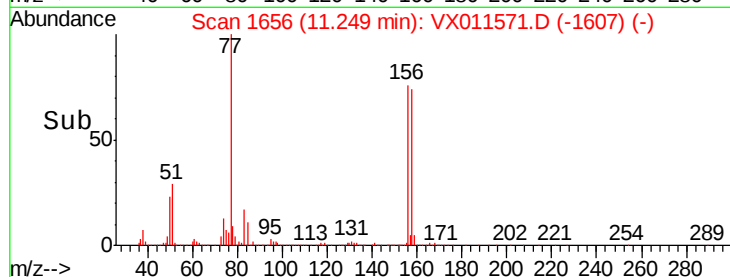
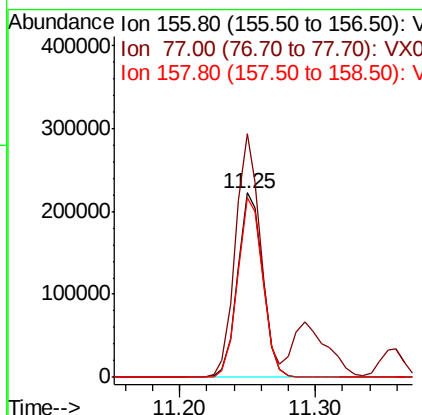
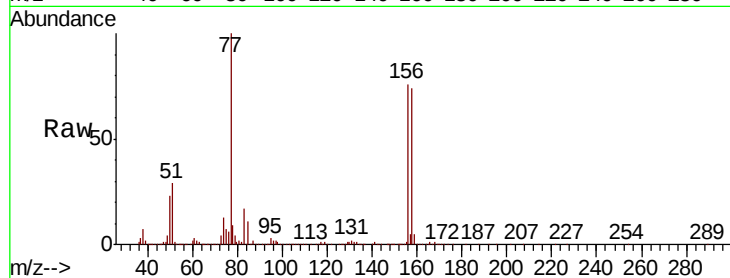




#77
Bromobenzene
Concen: 53.559 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

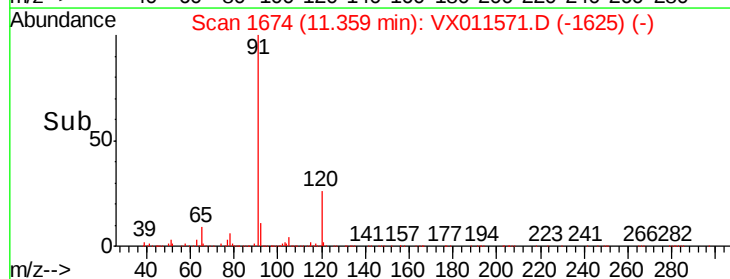
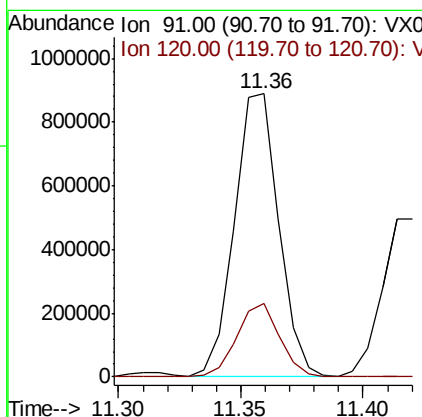
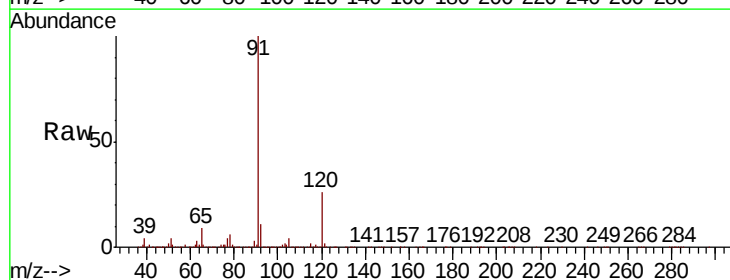
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

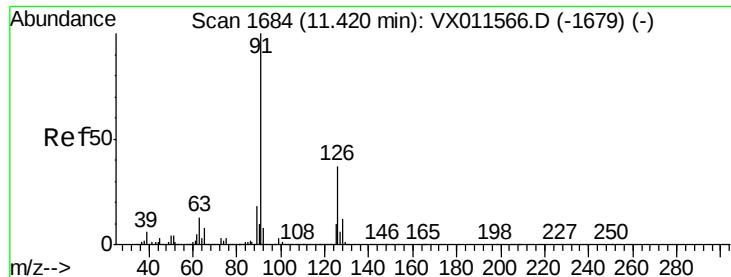
Tgt Ion: 156 Resp: 285935
Ion Ratio Lower Upper
156 100
77 130.3 64.6 193.9
158 97.4 48.4 145.3



#78
n-propylbenzene
Concen: 57.361 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 91 Resp: 1109892
Ion Ratio Lower Upper
91 100
120 25.2 12.6 37.6

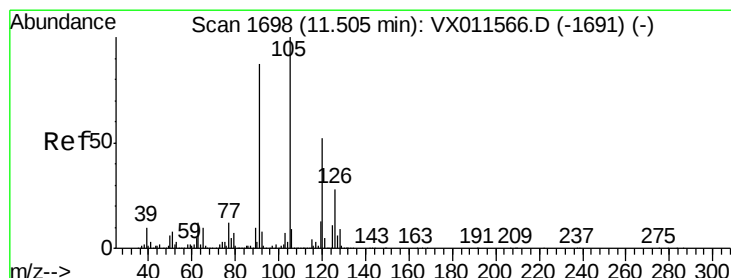
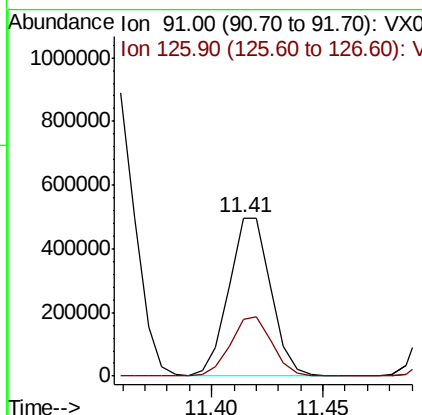
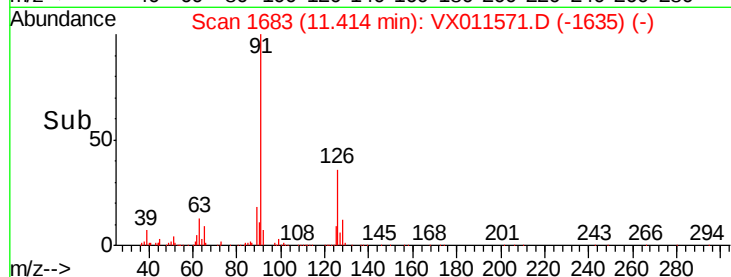
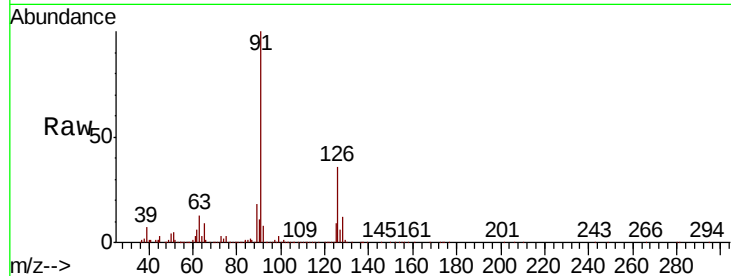




#79
 2-Chlorotoluene
 Concen: 54.795 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

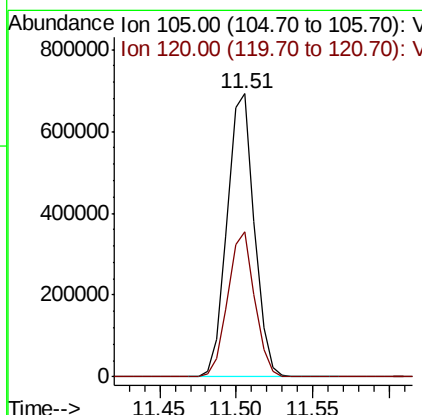
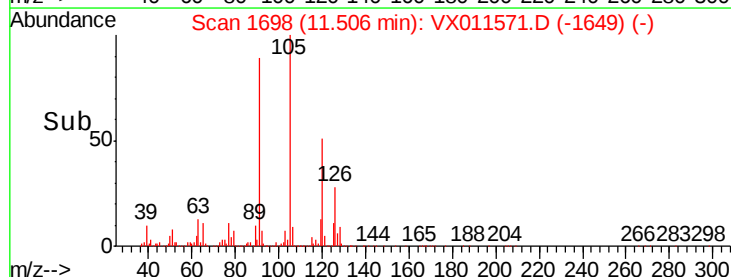
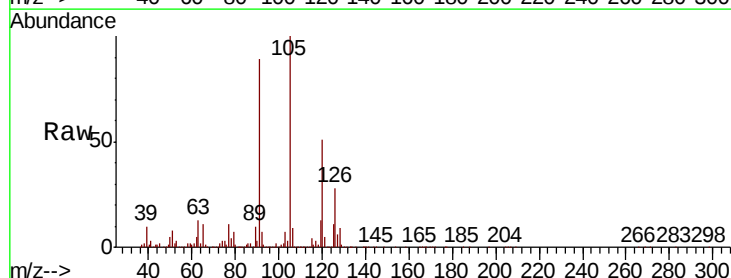
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

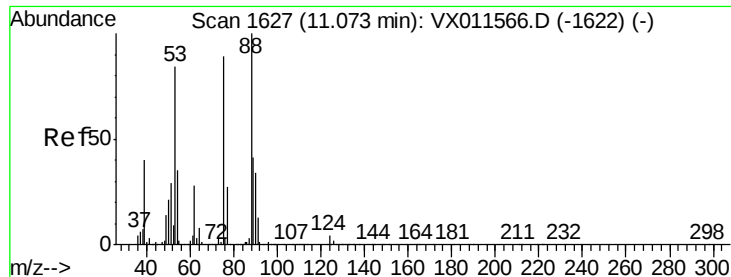
Tgt Ion: 91 Resp: 651043
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 56.477 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 105 Resp: 851326
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.3 75.8

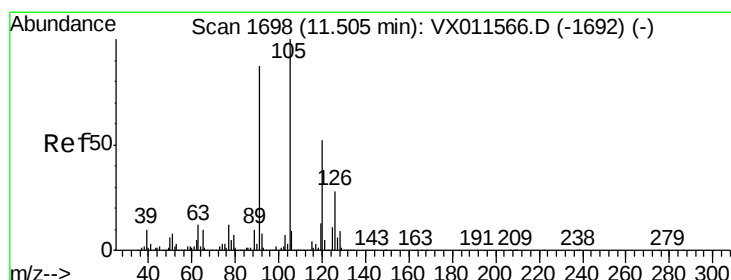
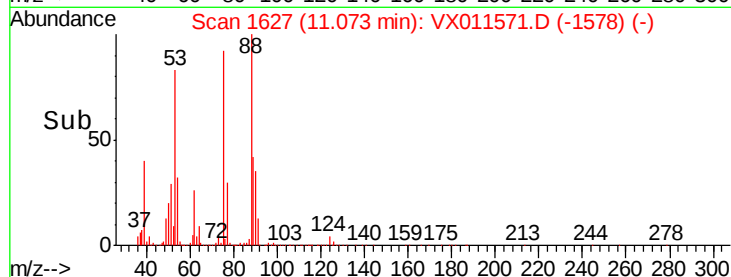
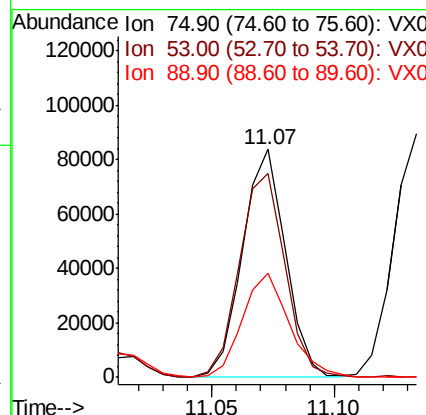
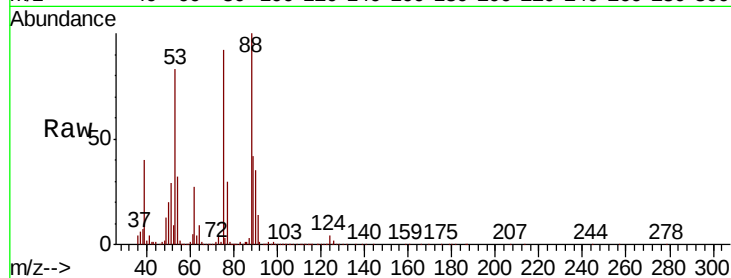




#81
trans-1,4-Dichloro-2-butene
Concen: 52.159 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

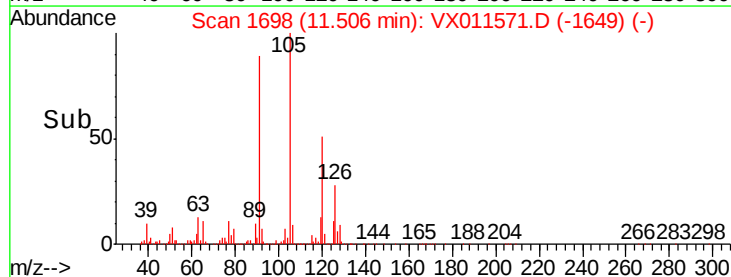
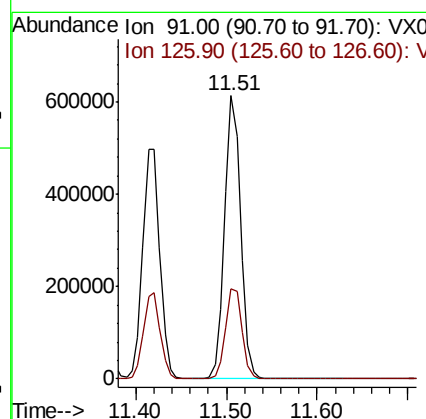
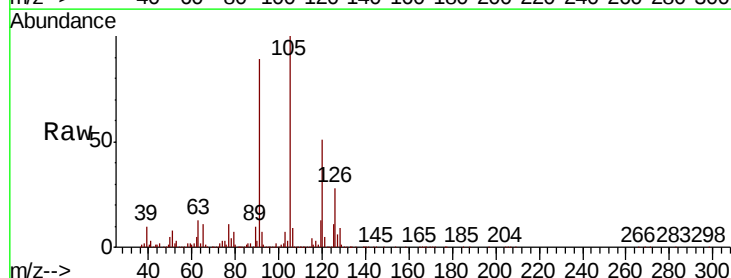
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

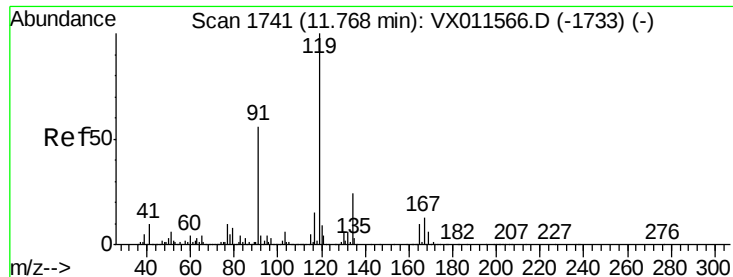
Tgt Ion: 75 Resp: 101379
Ion Ratio Lower Upper
75 100
53 95.3 77.4 116.0
89 50.7 37.3 55.9



#82
4-Chlorotoluene
Concen: 55.437 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 91 Resp: 764158
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.1

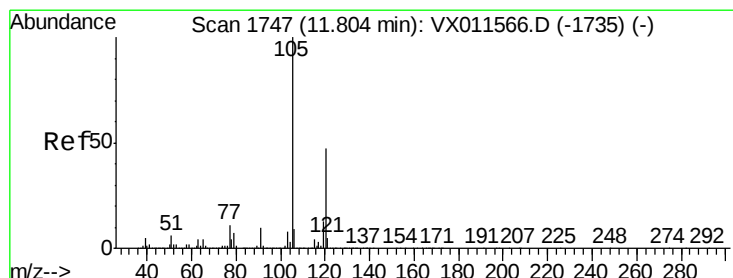
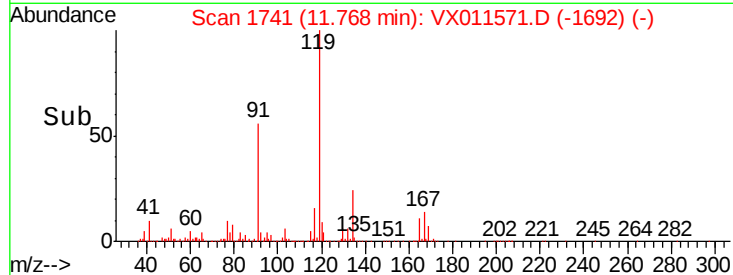
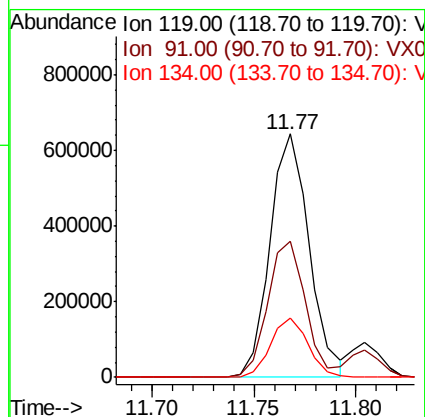
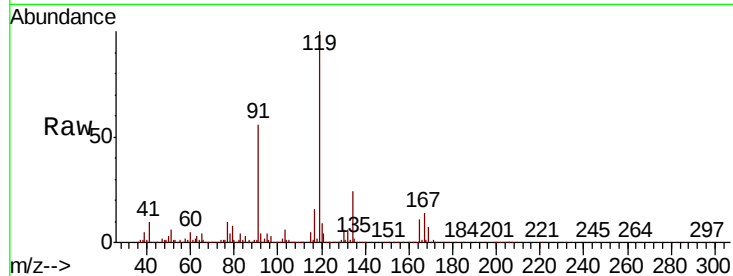




#83
tert-Butylbenzene
Concen: 56.330 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

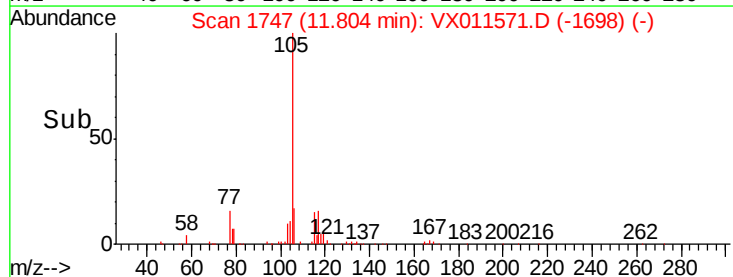
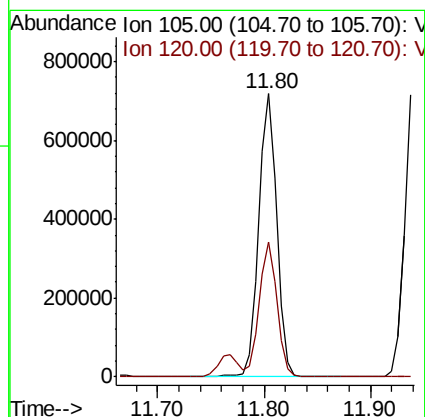
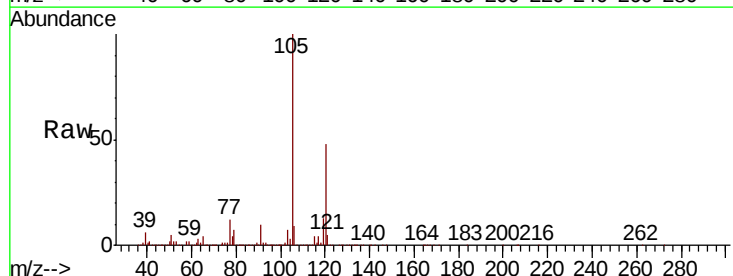
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

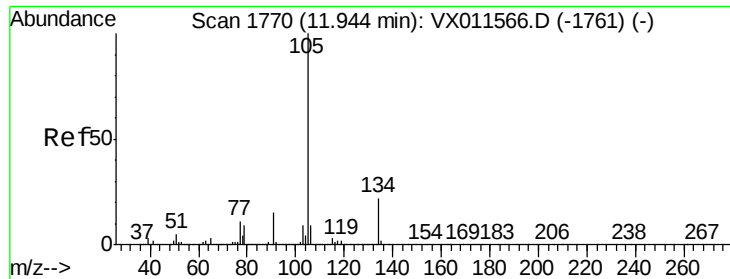
Tgt Ion:119 Resp: 864802
Ion Ratio Lower Upper
119 100
91 54.5 27.1 81.3
134 23.4 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 56.605 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion:105 Resp: 856600
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.9

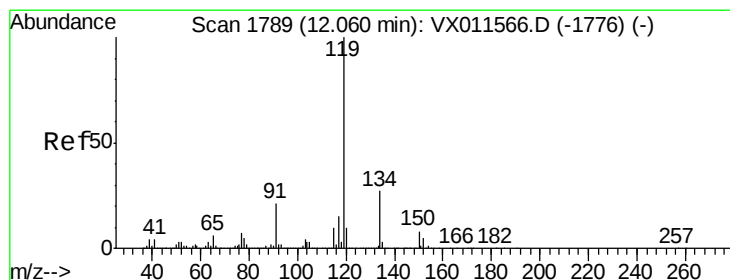
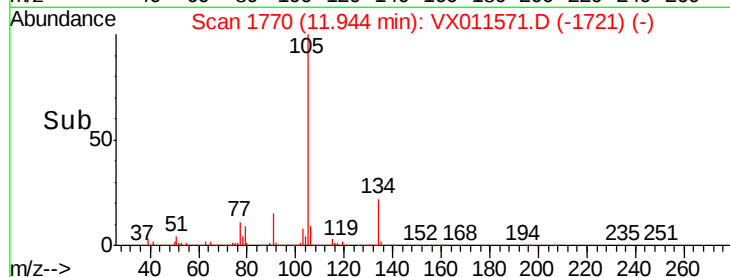
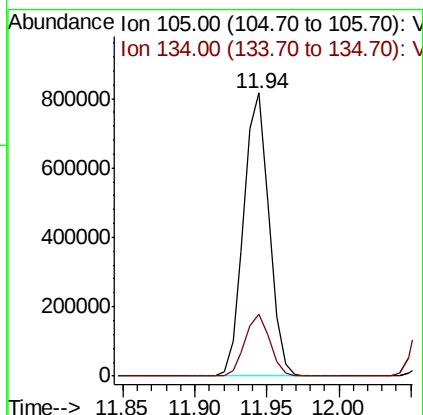
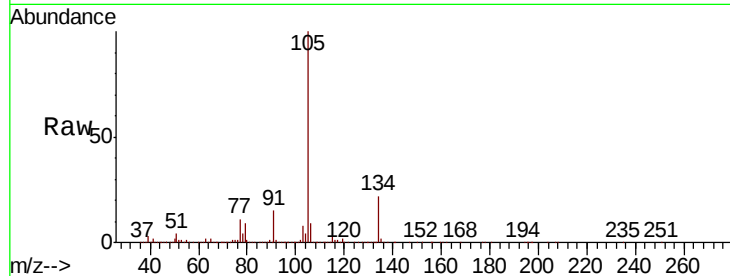




#85
 sec-Butylbenzene
 Concen: 57.346 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

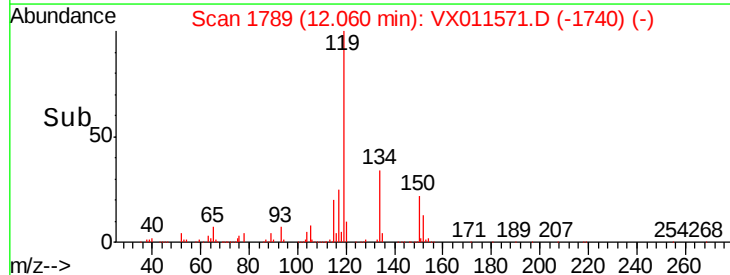
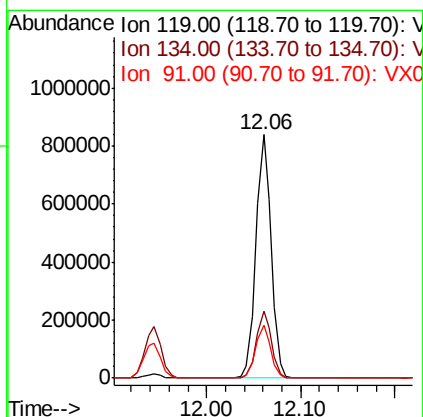
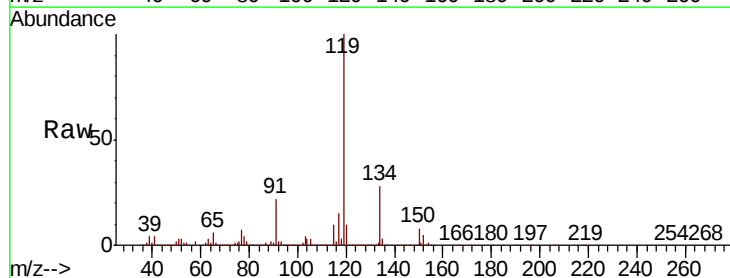
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

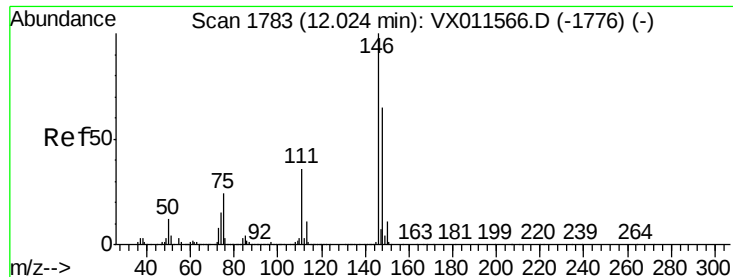
Tgt Ion:105 Resp: 993290
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 58.795 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion:119 Resp: 958069
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.6 40.8
 91 21.6 10.9 32.9

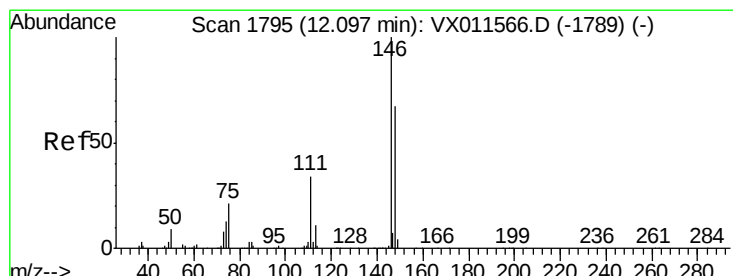
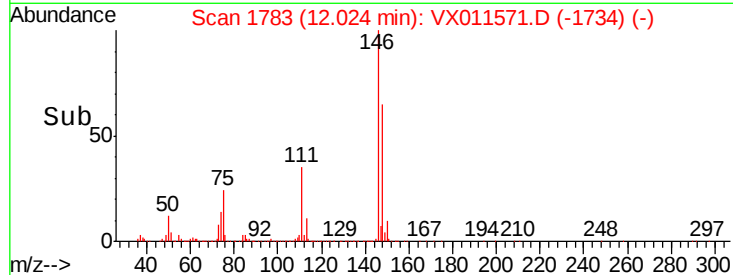
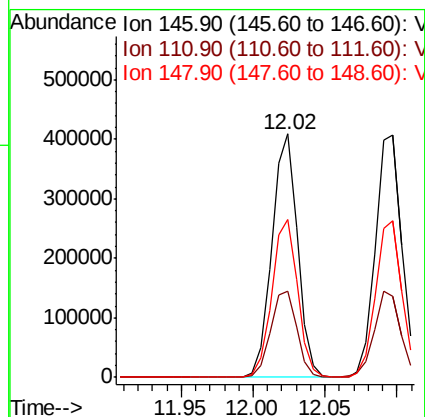
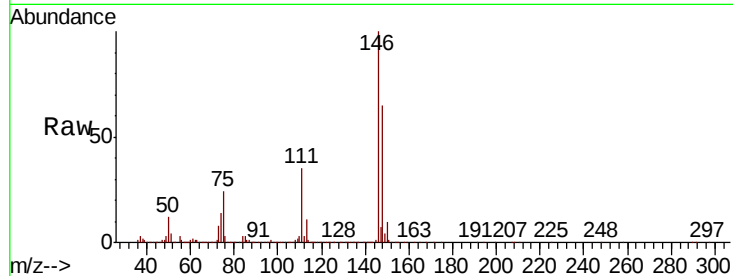




#87
 1,3-Dichlorobenzene
 Concen: 54.858 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

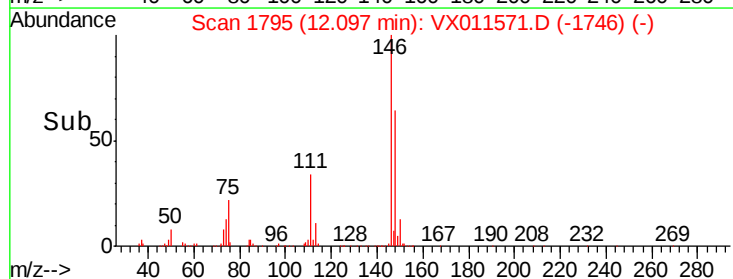
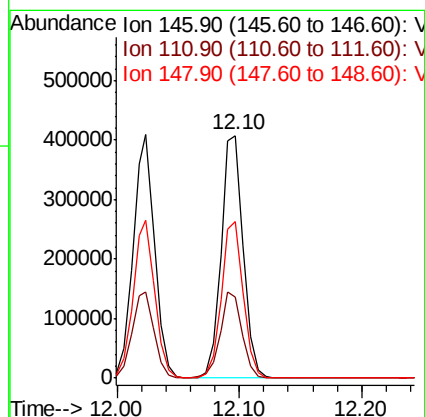
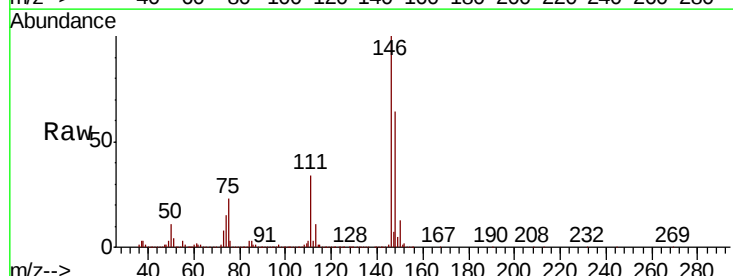
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

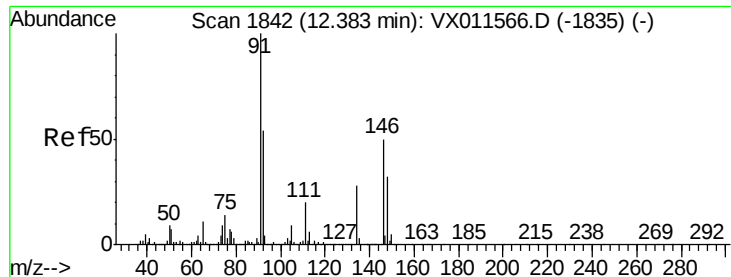
Tgt Ion:	146	Resp:	503405
Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.4
148	65.2	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 54.687 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion:	146	Resp:	508628
Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.9	53.7
148	64.3	32.5	97.5

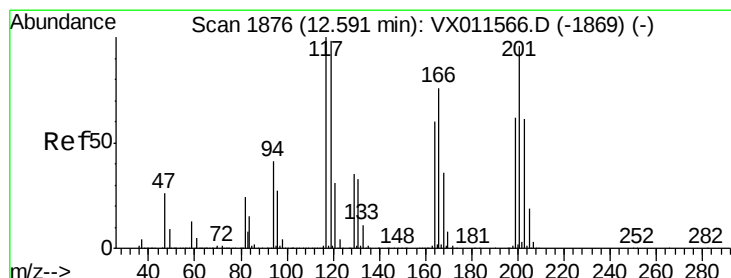
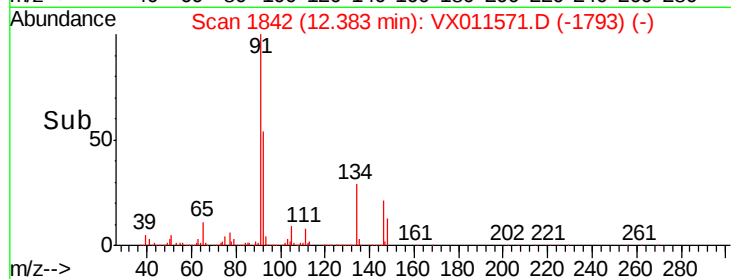
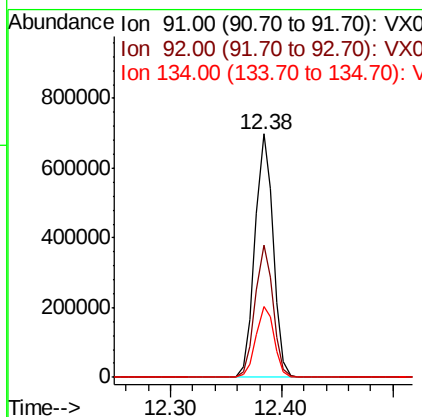
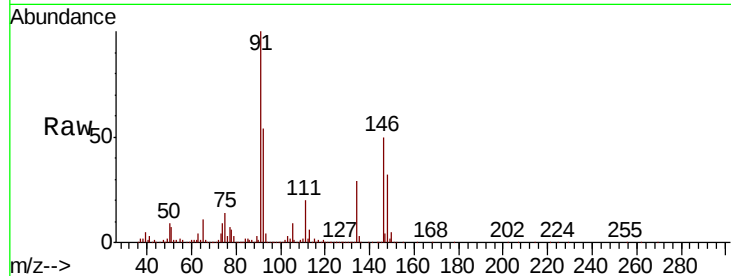




#89
n-Butylbenzene
Concen: 59.556 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

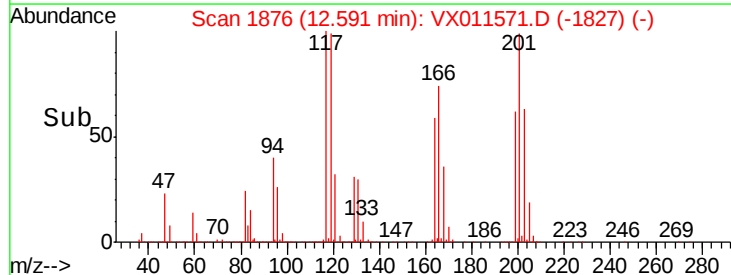
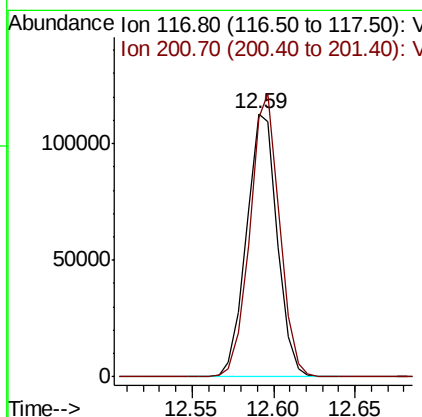
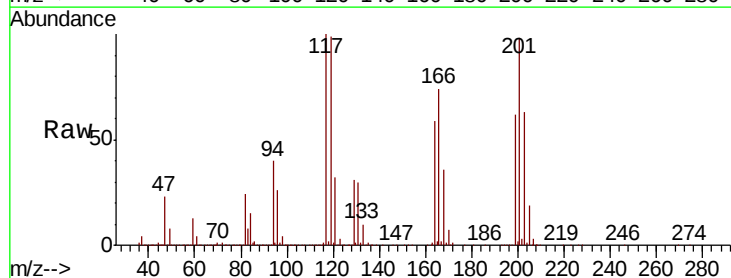
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

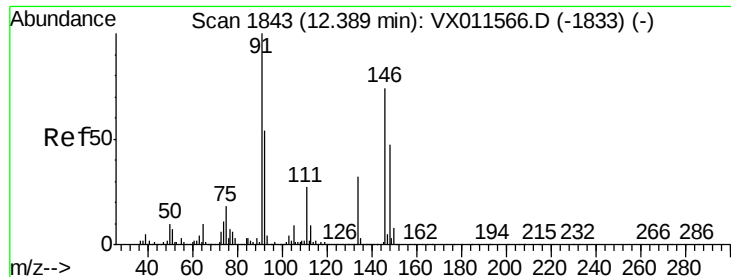
Tgt Ion: 91 Resp: 797856
Ion Ratio Lower Upper
91 100
92 53.8 26.8 80.3
134 29.4 14.6 44.0



#90
Hexachloroethane
Concen: 57.741 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 117 Resp: 148582
Ion Ratio Lower Upper
117 100
201 103.1 51.9 155.7

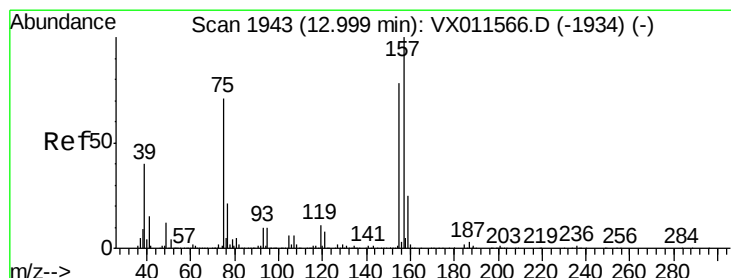
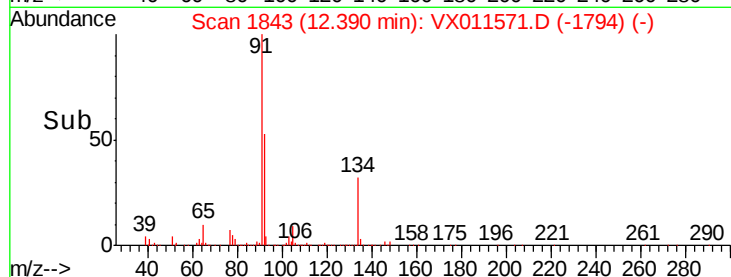
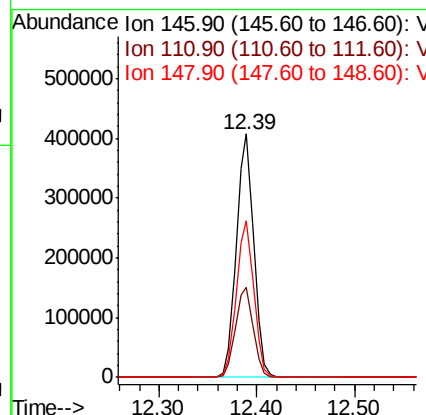
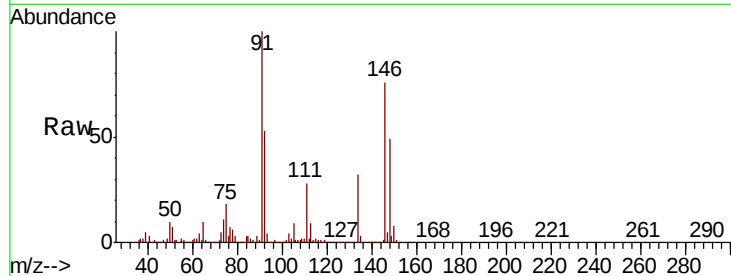




#91
 1,2-Dichlorobenzene
 Concen: 54.592 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

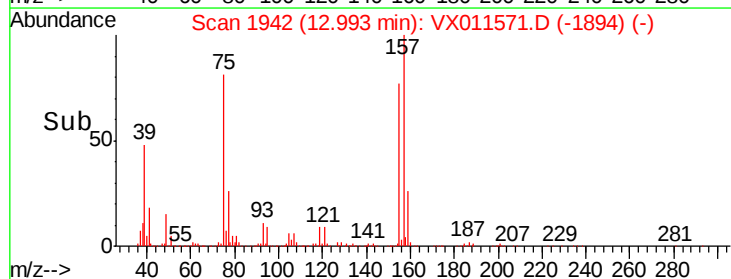
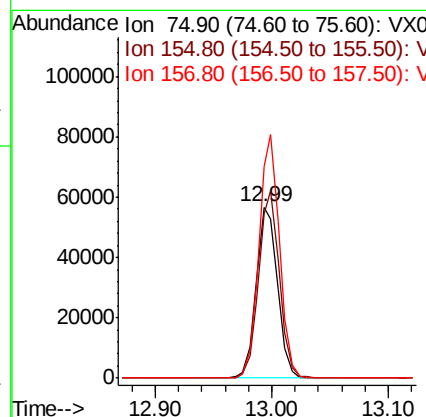
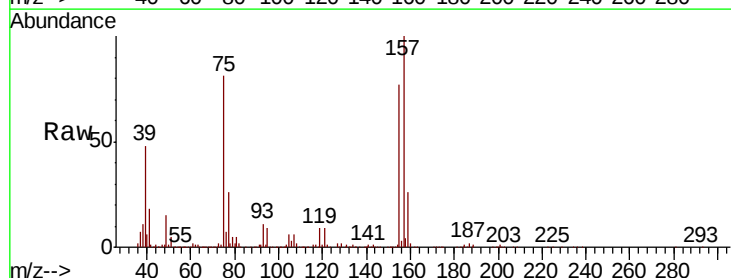
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

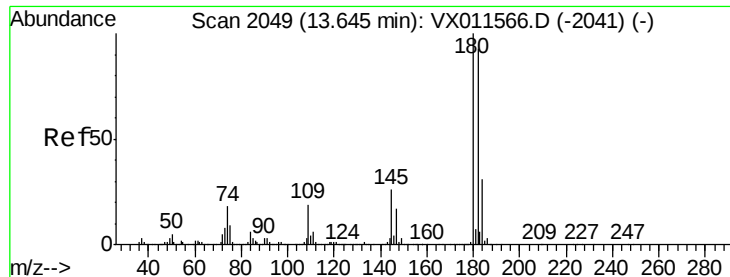
Tgt Ion:146 Resp: 502881
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.7
 148 64.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.223 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion: 75 Resp: 72339
 Ion Ratio Lower Upper
 75 100
 155 106.1 53.0 159.0
 157 136.8 68.3 205.1

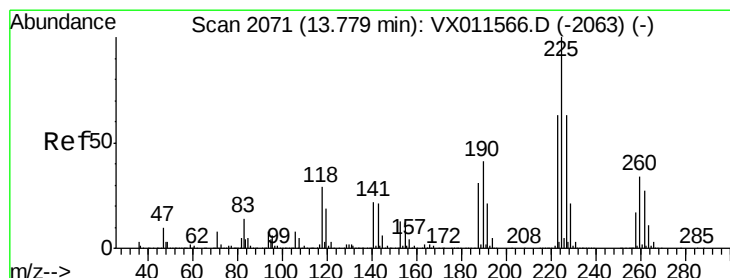
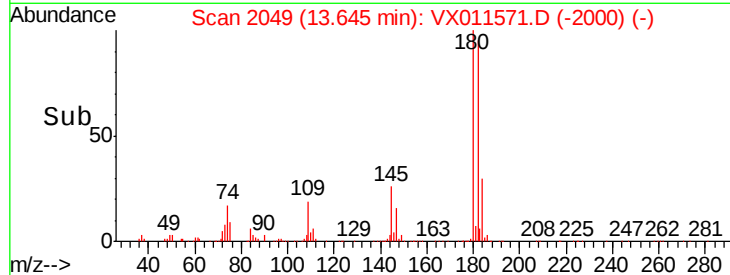
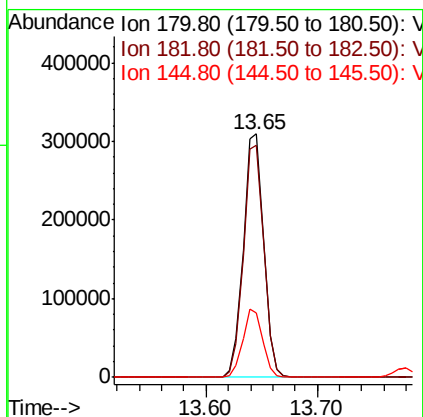
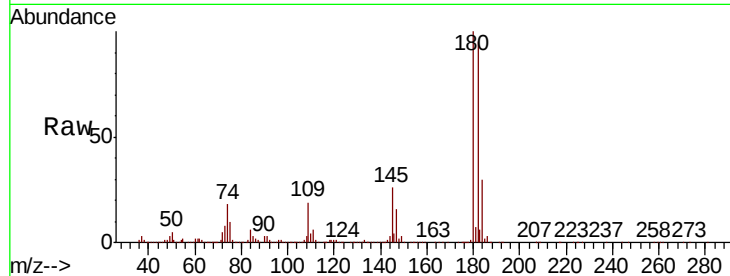




#93
 1,2,4-Trichlorobenzene
 Concen: 56.901 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

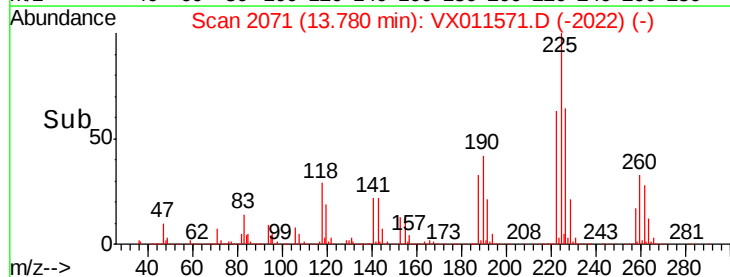
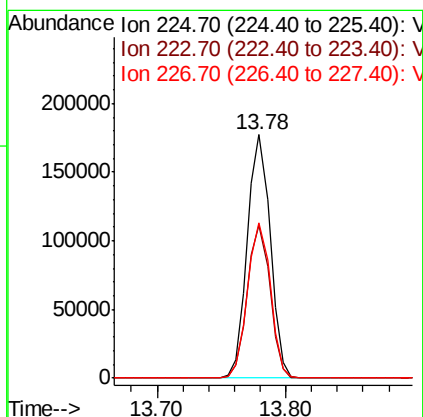
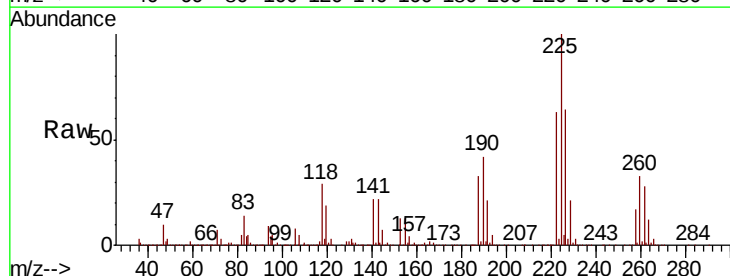
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

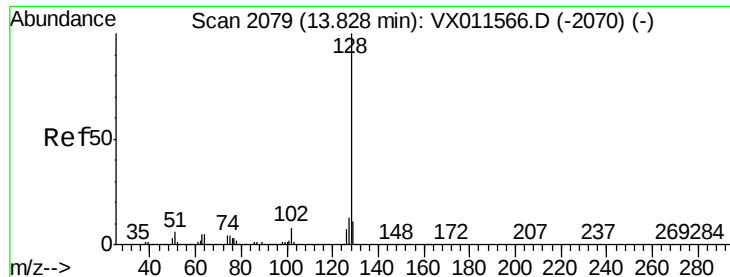
Tgt Ion:180 Resp: 390544
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 142.0
 145 27.2 13.6 40.8



#94
 Hexachlorobutadiene
 Concen: 57.995 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion:225 Resp: 216747
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.0
 227 63.9 31.2 93.6





#95

Naphthalene

Concen: 56.517 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

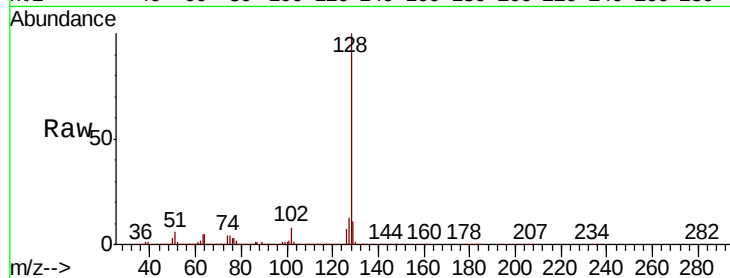
Tgt Ion:128 Resp: 1096626

Ion Ratio Lower Upper

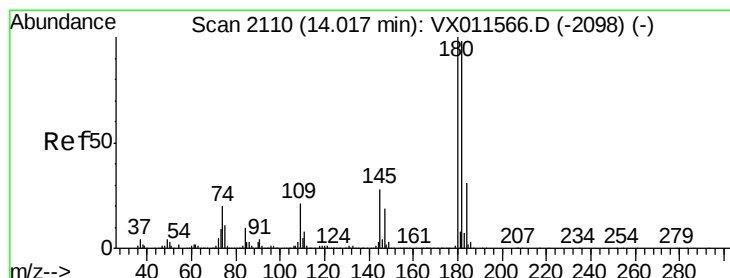
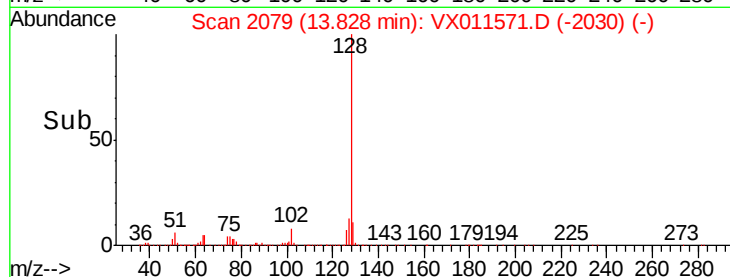
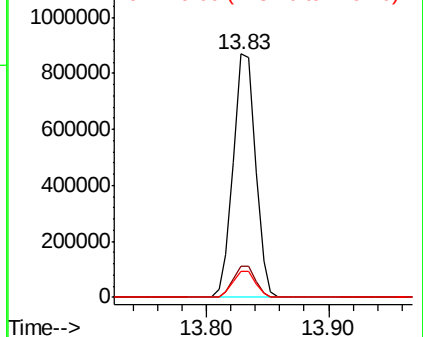
128 100

127 13.0 10.3 15.5

129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 57.090 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

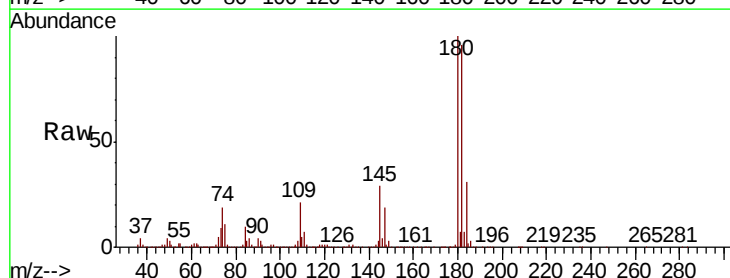
Tgt Ion:180 Resp: 395224

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.0

145 28.2 14.6 43.8



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

