

Data File : VX012245.D
Acq On : 10 Sep 2019 09:06
Operator : SY/SP
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Sep 10 11:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	253370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	10644	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
35) Dibromofluoromethane	5.49	113	8270	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
50) Toluene-d8	8.71	98	30511	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
62) 4-Bromofluorobenzene	11.14	95	13723	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7586	6.045	ug/l	97
3) Chloromethane	1.31	50	6104	5.047	ug/l	93
4) Vinyl Chloride	1.40	62	5943	5.131	ug/l	99
5) Bromomethane	1.63	94	3728	8.877	ug/l	95
6) Chloroethane	1.72	64	4824	6.634	ug/l	92
7) Trichlorofluoromethane	1.92	101	11681	5.928	ug/l	94
8) Diethyl Ether	2.17	74	3659	4.179	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6141	4.184	ug/l	97
10) Methyl Iodide	2.50	142	5476	3.799	ug/l	97
11) Tert butyl alcohol	3.01	59	12473	57.384	ug/l	96
12) 1,1-Dichloroethene	2.36	96	5453	4.411	ug/l	93
13) Acrolein	2.28	56	3123	23.700	ug/l	99
14) Allyl chloride	2.72	41	11774	4.615	ug/l	98
15) Acrylonitrile	3.13	53	10204	21.086	ug/l	96
16) Acetone	2.43	43	16944	34.293	ug/l	92
17) Carbon Disulfide	2.56	76	12641	4.969	ug/l	99
18) Methyl Acetate	2.76	43	5946	4.736	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	21698	4.267	ug/l	99
20) Methylene Chloride	2.84	84	11634	5.611	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	7271	4.859	ug/l	92
22) Diisopropyl ether	3.84	45	26209	4.406	ug/l #	86
23) Vinyl Acetate	3.80	43	73866	20.341	ug/l	99
24) 1,1-Dichloroethane	3.69	63	14414	4.540	ug/l	96
25) 2-Butanone	4.66	43	18461	27.253	ug/l	92
26) 2,2-Dichloropropane	4.57	77	13879	4.713	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	9073	4.602	ug/l	97
28) Bromochloromethane	5.00	49	6816	4.681	ug/l	95
29) Tetrahydrofuran	5.12	42	7781	18.940	ug/l	93
30) Chloroform	5.19	83	17027	4.687	ug/l	97
31) Cyclohexane	5.56	56	10880	5.095	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	14164	4.707	ug/l	95
36) 1,1-Dichloropropene	5.79	75	9635	4.499	ug/l	93
37) Ethyl Acetate	4.82	43	5474	3.870	ug/l	98
38) Carbon Tetrachloride	5.76	117	12050	4.913	ug/l	85

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Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Sep 10 11:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	11181	4.962	ug/l	97
40) Benzene	6.12	78	30577	4.706	ug/l	99
41) Methacrylonitrile	5.03	41	3207	3.673	ug/l #	84
42) 1,2-Dichloroethane	6.18	62	11969	4.558	ug/l	93
43) Isopropyl Acetate	6.43	43	12020	4.104	ug/l	99
44) Trichloroethene	7.20	130	8220	4.691	ug/l	93
45) 1,2-Dichloropropane	7.51	63	8729	4.760	ug/l	98
46) Dibromomethane	7.65	93	4213	4.039	ug/l	98
47) Bromodichloromethane	7.89	83	12190	4.366	ug/l	94
48) Methyl methacrylate	7.76	41	5334	3.790	ug/l	96
49) 1,4-Dioxane	7.74	88	1501	75.993	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	32051	21.035	ug/l	96
52) Toluene	8.78	92	19876	4.606	ug/l	95
53) t-1,3-Dichloropropene	9.03	75	11446	4.112	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	12920	4.255	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	6821	4.309	ug/l	97
56) Ethyl methacrylate	9.17	69	8269	3.736	ug/l	97
57) 1,3-Dichloropropane	9.37	76	11452	4.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	23022	21.906	ug/l	100
59) 2-Hexanone	9.49	43	19881	18.365	ug/l	95
60) Dibromochloromethane	9.57	129	7472	3.979	ug/l	100
61) 1,2-Dibromoethane	9.67	107	6308	4.274	ug/l	97
64) Tetrachloroethene	9.33	164	7170	5.071	ug/l	95
65) Chlorobenzene	10.13	112	23363	4.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	8000	4.118	ug/l	96
67) Ethyl Benzene	10.25	91	40978	4.604	ug/l	99
68) m/p-Xylenes	10.35	106	29509	8.990	ug/l	97
69) o-Xylene	10.70	106	14450	4.512	ug/l	98
70) Styrene	10.71	104	25196	4.375	ug/l	99
71) Bromoform	10.85	173	3717	3.669	ug/l #	94
73) Isopropylbenzene	11.01	105	40120	4.444	ug/l	99
74) N-amyl acetate	10.89	43	10284	3.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	7768	3.828	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	8318	4.726	ug/l	91
77) Bromobenzene	11.25	156	8827	4.090	ug/l	95
78) n-propylbenzene	11.35	91	48351	4.450	ug/l	99
79) 2-Chlorotoluene	11.42	91	30109	4.439	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	36268	4.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2233	3.504	ug/l	88
82) 4-Chlorotoluene	11.51	91	36044	4.341	ug/l	96
83) tert-Butylbenzene	11.76	119	34421	4.344	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	38412	4.544	ug/l	98
85) sec-Butylbenzene	11.94	105	42245	4.536	ug/l	100
86) p-Isopropyltoluene	12.06	119	37668	4.362	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	19436	4.541	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	19779	4.609	ug/l	94
89) n-Butylbenzene	12.38	91	37829	4.566	ug/l	98
90) Hexachloroethane	12.59	117	6825	4.310	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	17648	4.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1620	4.027	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091019\
Quantitation Report (Not Reviewed)

Data File : VX012245.D
Acq On : 10 Sep 2019 09:06
Operator : SY/SP
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 10 11:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11291	4.264	ug/l	96
94) Hexachlorobutadiene	13.77	225	5866	4.579	ug/l	99
95) Naphthalene	13.83	128	21722	3.736	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	10093	4.358	ug/l	99

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

Data File : VX012245.D

Acq On : 10 Sep 2019 09:06

Operator : SY/SP

Sample : VSTDICC005

Misc : 5.00g/5.0mL/MSV0A_X/SOIL

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

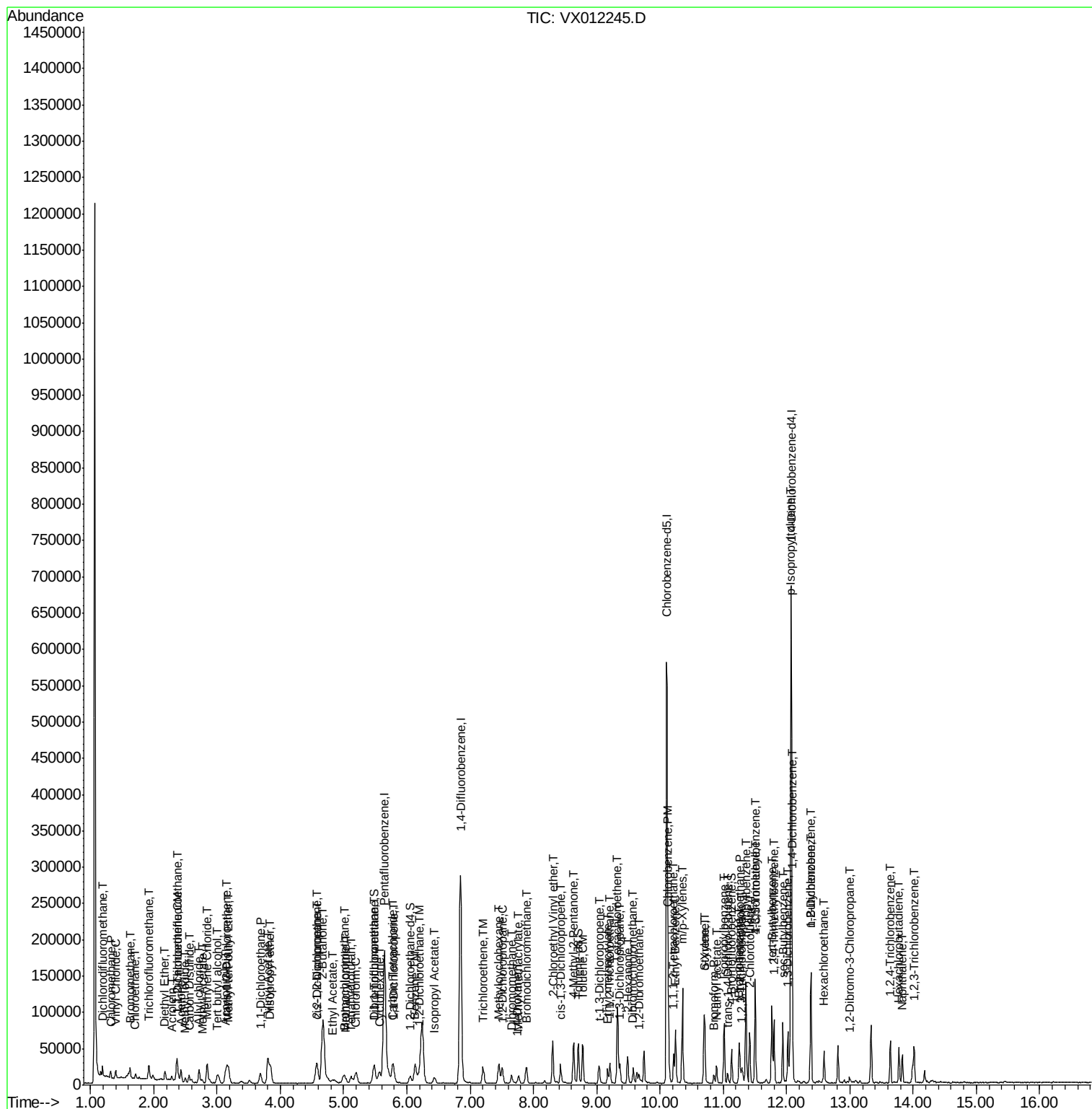
Quant Time: Sep 10 11:08:41 2019

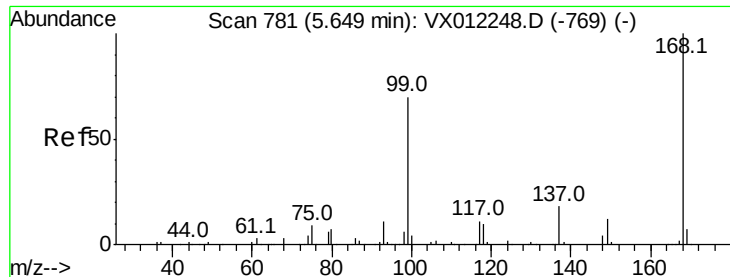
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\82X091019S.M

Quant Title : SW846 8260

QLast Update : Tue Sep 10 11:06:12 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

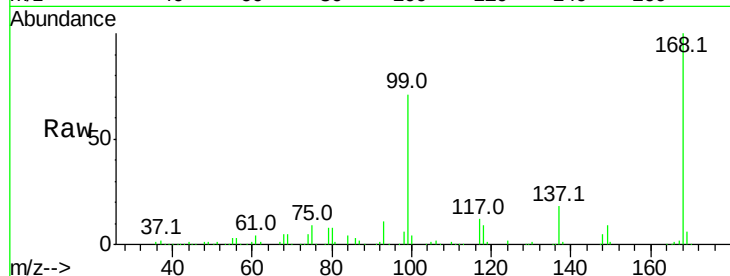
VSTDIC005

Tgt Ion:168 Resp: 156982

Ion Ratio Lower Upper

168 100

99 71.1 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

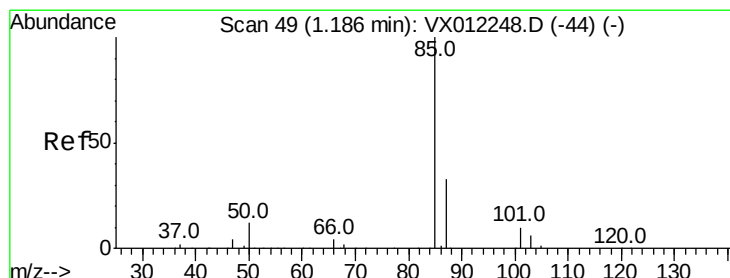
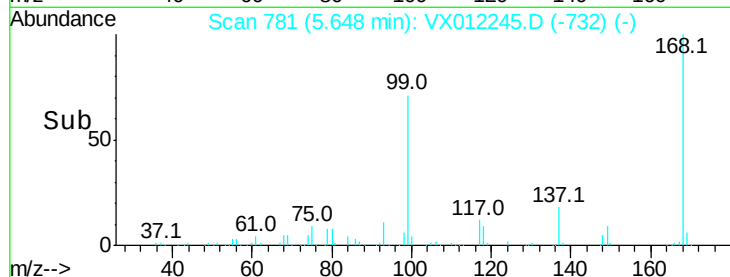
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 6.045 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012245.D

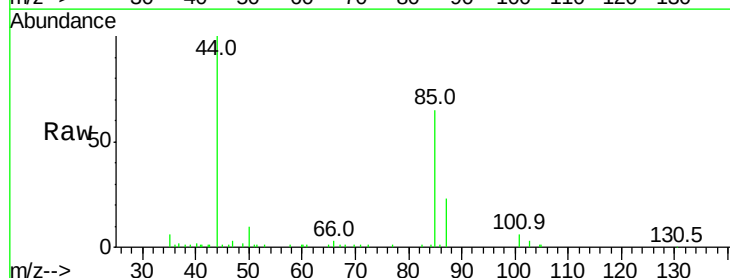
Acq: 10 Sep 2019 09:06

Tgt Ion: 85 Resp: 7586

Ion Ratio Lower Upper

85 100

87 35.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

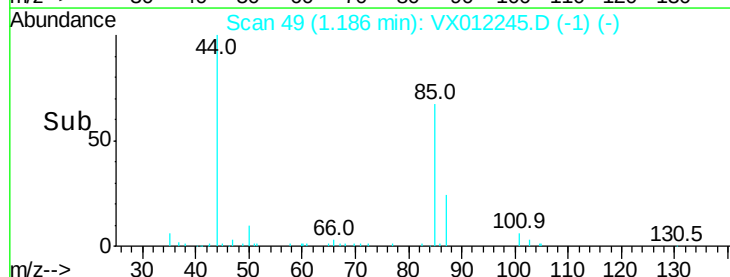
6000

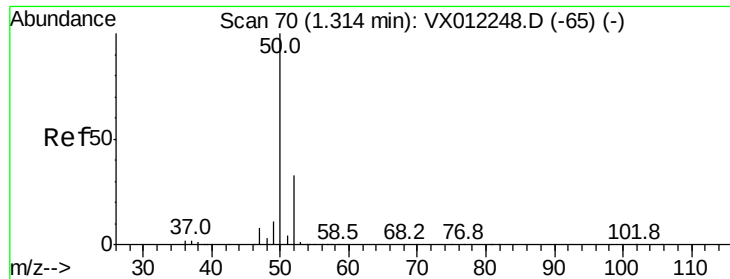
4000

2000

0

Time--> 1.10 1.15 1.20 1.25





#3

Chloromethane

Concen: 5.047 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

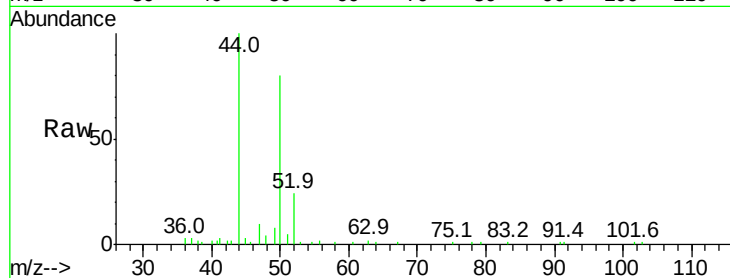
VSTDIC005

Tgt Ion: 50 Resp: 6104

Ion Ratio Lower Upper

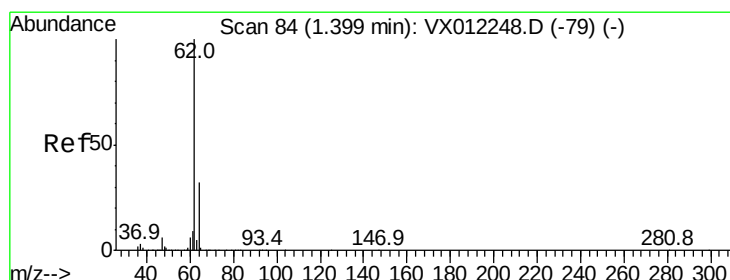
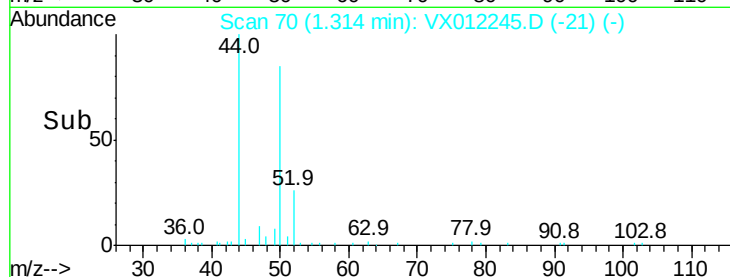
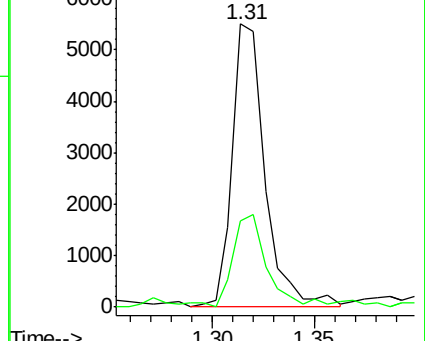
50 100

52 29.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.131 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012245.D

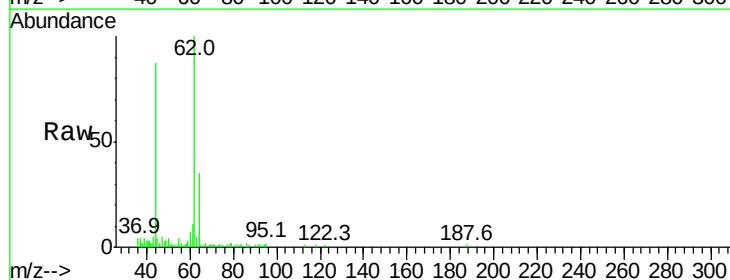
Acq: 10 Sep 2019 09:06

Tgt Ion: 62 Resp: 5943

Ion Ratio Lower Upper

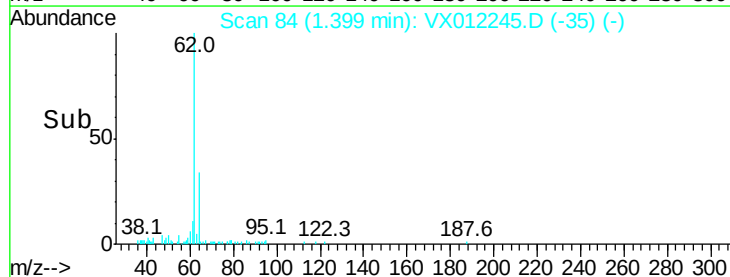
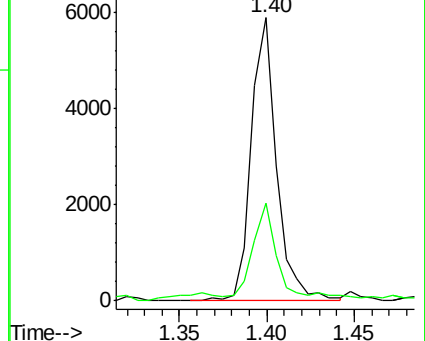
62 100

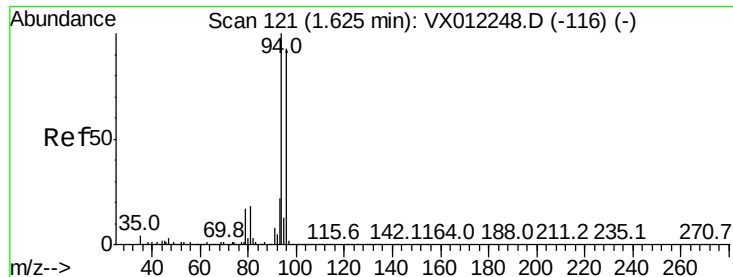
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 8.877 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

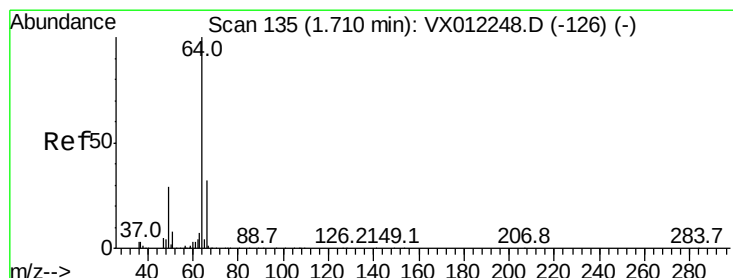
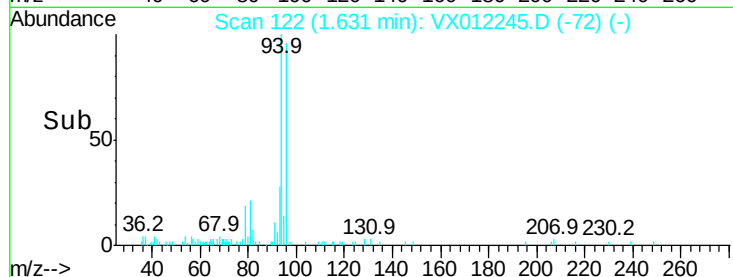
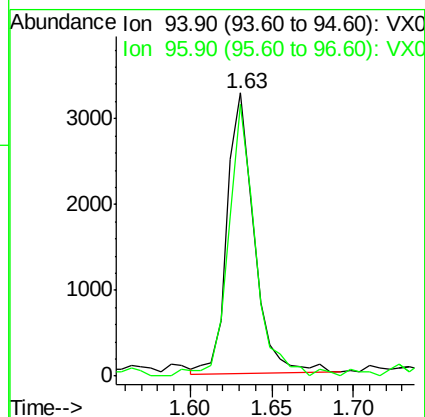
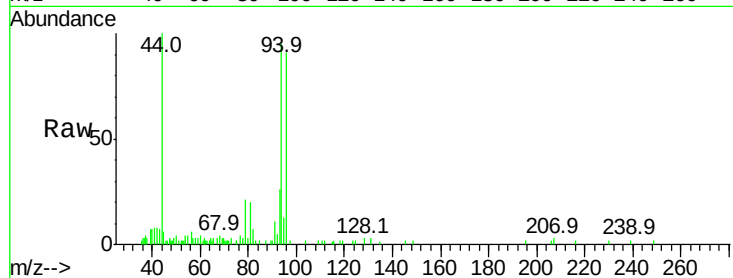
VSTDIC005

Tgt Ion: 94 Resp: 3728

Ion Ratio Lower Upper

94 100

96 97.6 74.0 111.0



#6

Chloroethane

Concen: 6.634 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012245.D

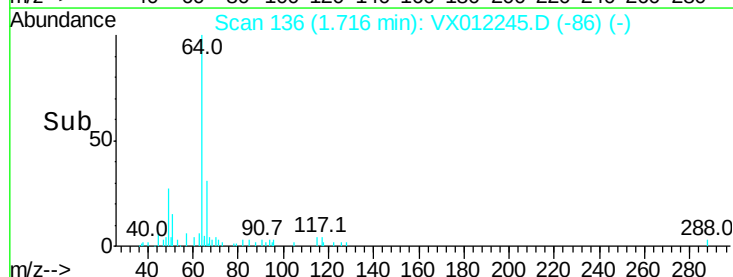
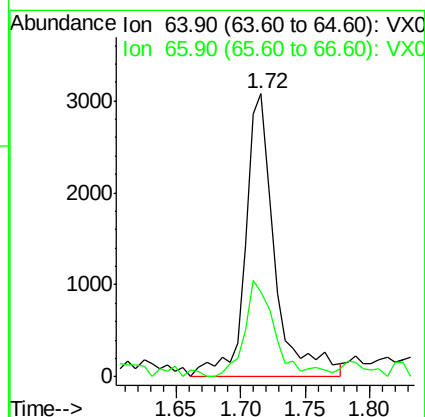
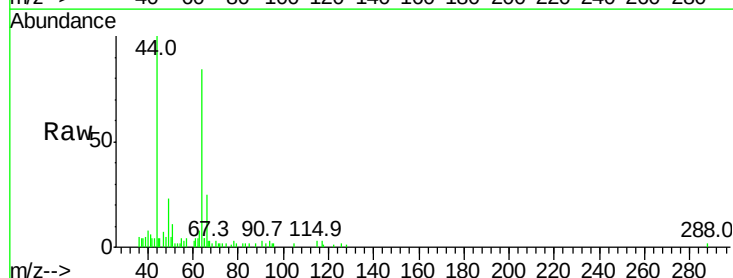
Acq: 10 Sep 2019 09:06

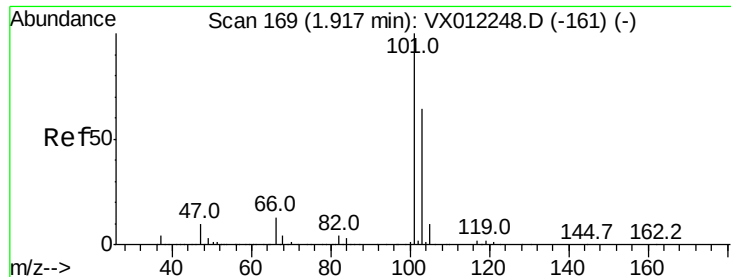
Tgt Ion: 64 Resp: 4824

Ion Ratio Lower Upper

64 100

66 27.5 25.8 38.6



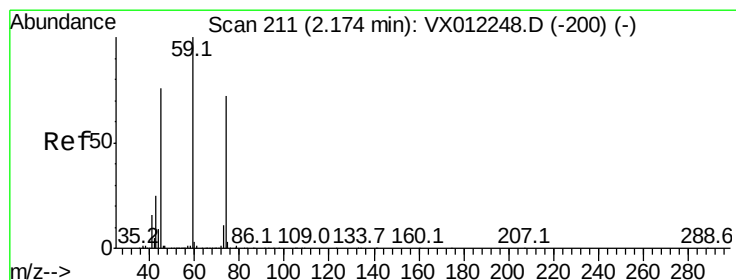
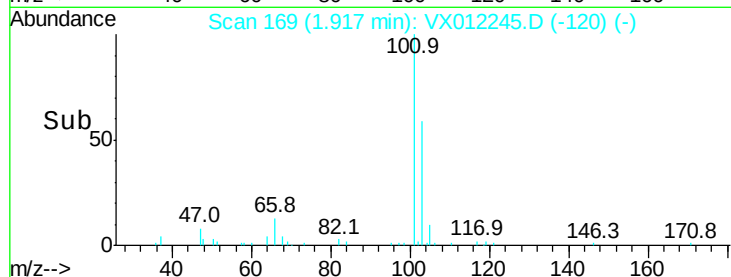
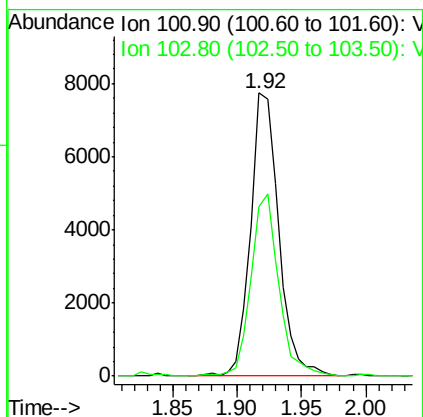
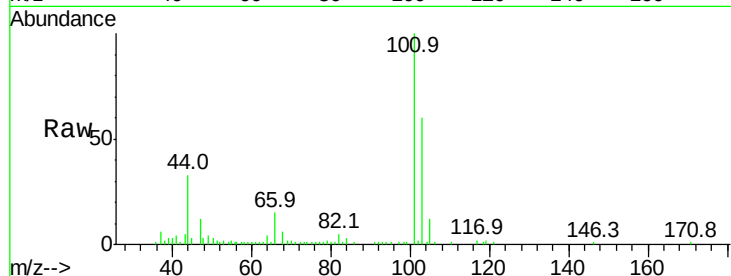


#7

Trichlorofluoromethane
 Concen: 5.928 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

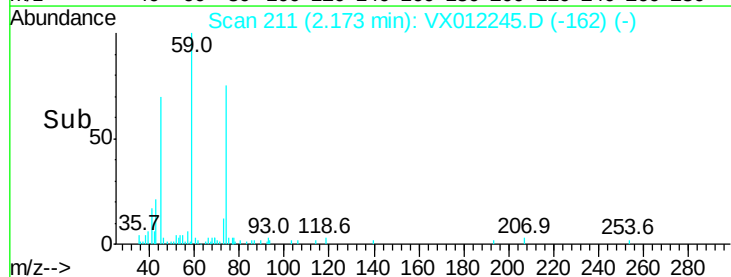
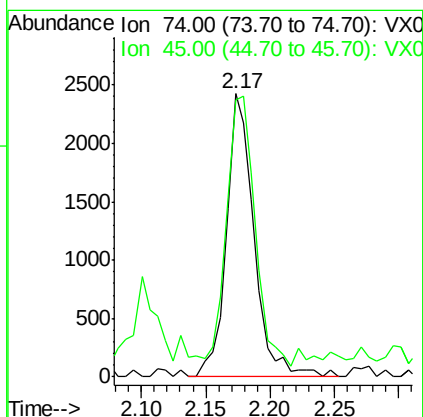
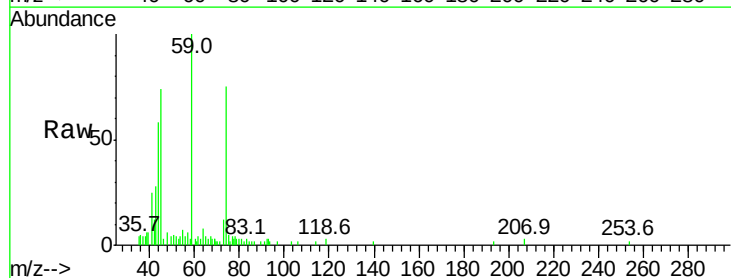
Tgt Ion: 101 Resp: 11681
 Ion Ratio Lower Upper
 101 100
 103 59.8 51.4 77.2

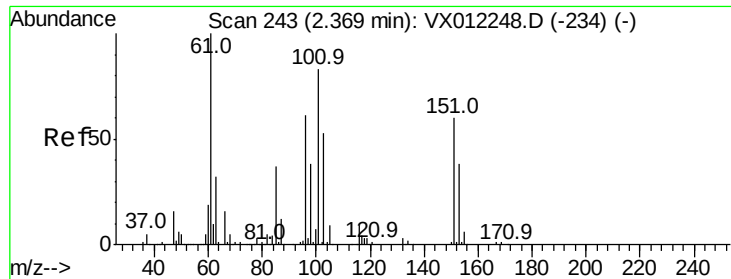


#8

Diethyl Ether
 Concen: 4.179 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 74 Resp: 3659
 Ion Ratio Lower Upper
 74 100
 45 98.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.184 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

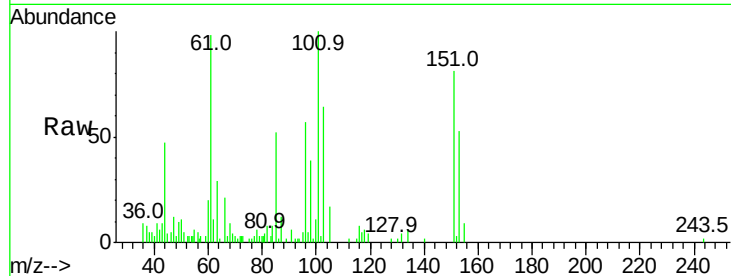
Tgt Ion:101 Resp: 6141

Ion Ratio Lower Upper

101 100

85 49.7 37.0 55.6

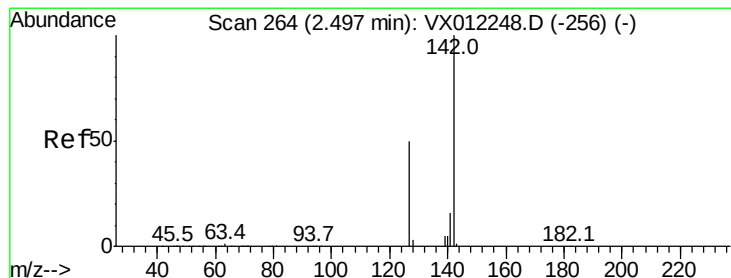
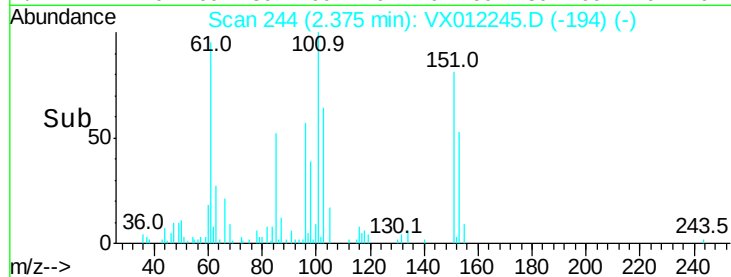
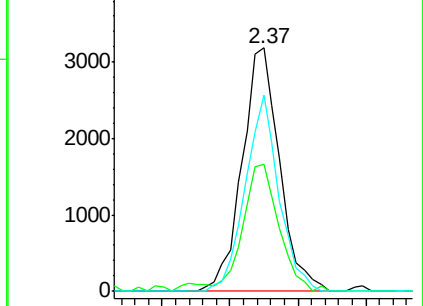
151 72.1 58.6 87.8



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: 3.799 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

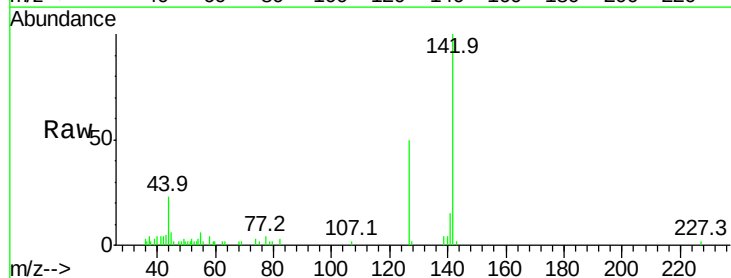
Tgt Ion:142 Resp: 5476

Ion Ratio Lower Upper

142 100

127 53.0 40.6 61.0

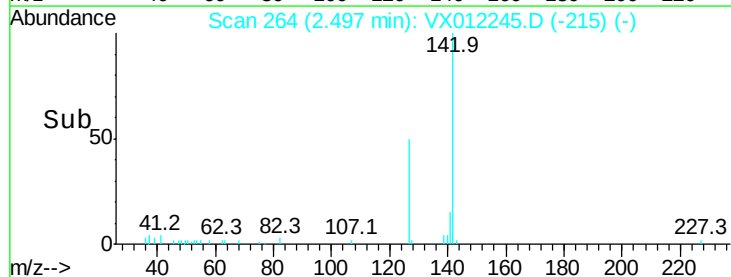
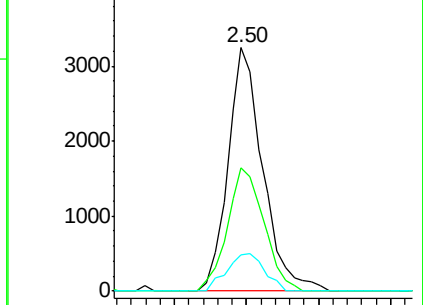
141 16.6 12.0 18.0

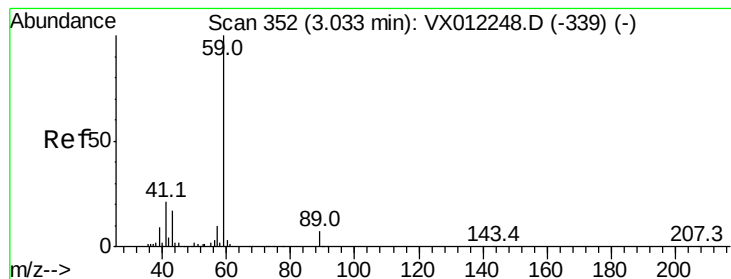


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 57.384 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

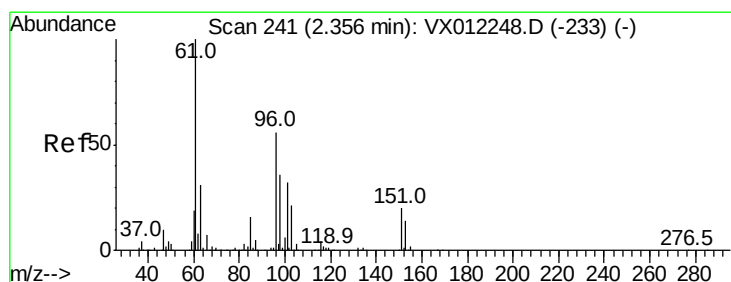
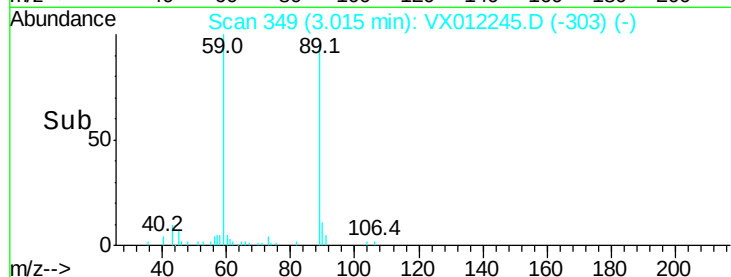
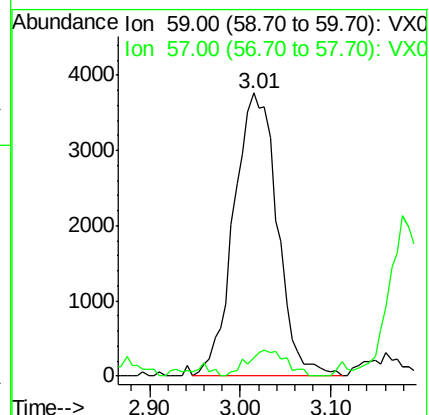
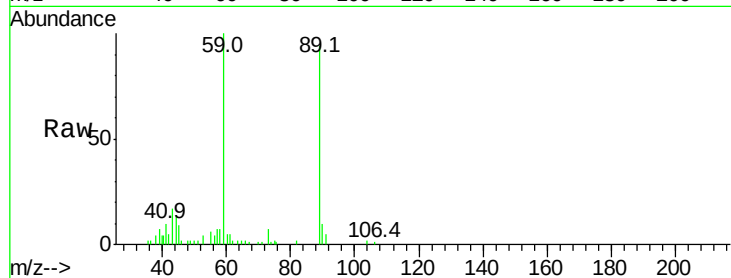
VSTDIC005

Tgt Ion: 59 Resp: 12473

Ion Ratio Lower Upper

59 100

57 8.2 7.8 11.6



#12

1,1-Dichloroethene

Concen: 4.411 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

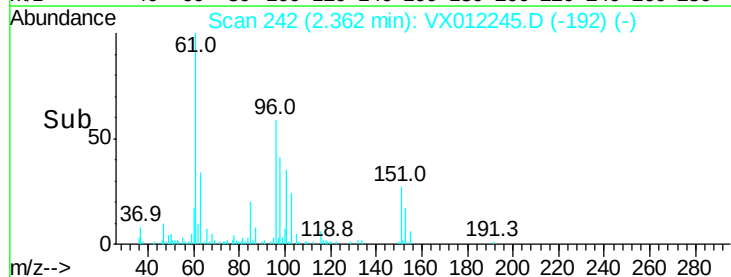
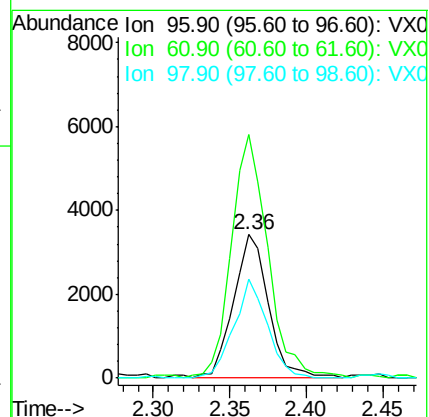
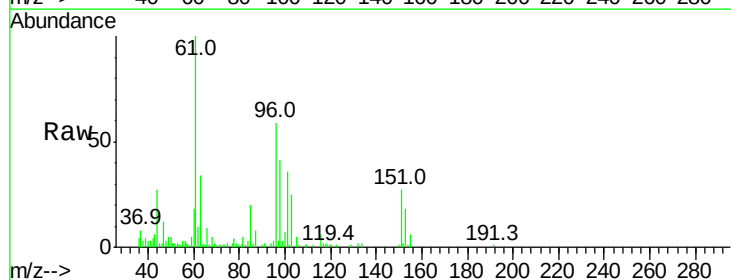
Tgt Ion: 96 Resp: 5453

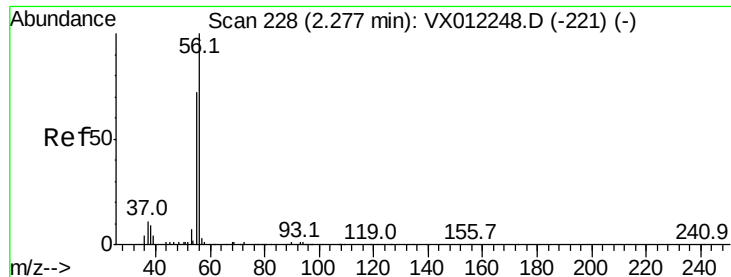
Ion Ratio Lower Upper

96 100

61 167.3 142.2 213.2

98 68.8 51.3 76.9





#13

Acrolein

Concen: 23.700 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

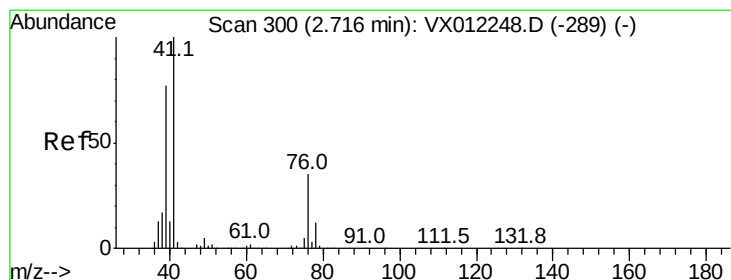
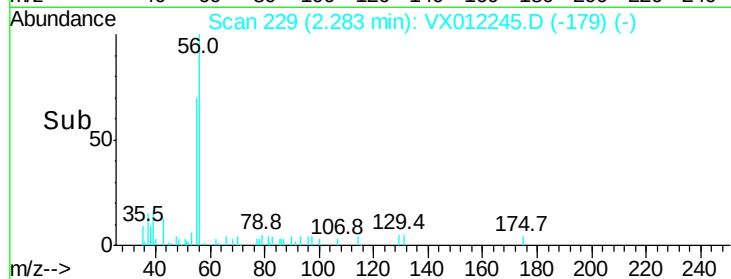
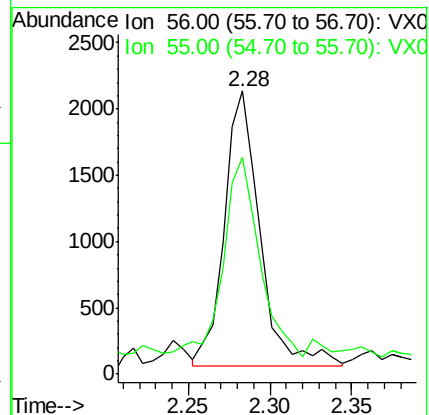
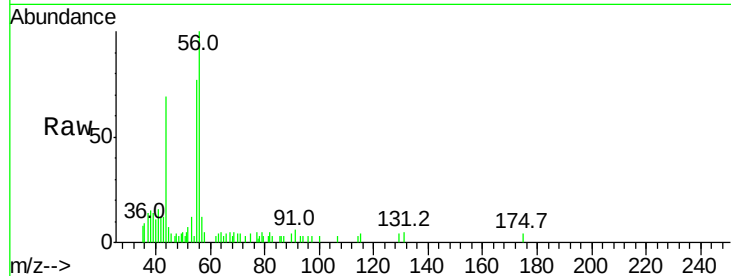
VSTDIC005

Tgt Ion: 56 Resp: 3123

Ion Ratio Lower Upper

56 100

55 75.5 59.8 89.6



#14

Allyl chloride

Concen: 4.615 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

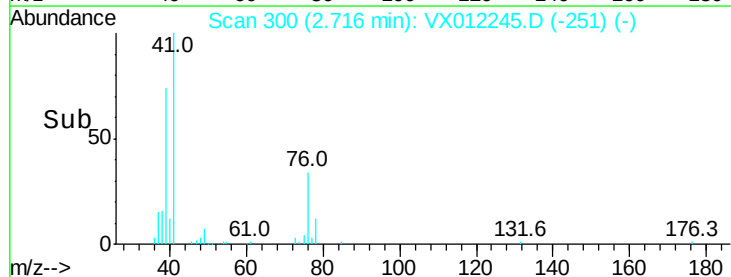
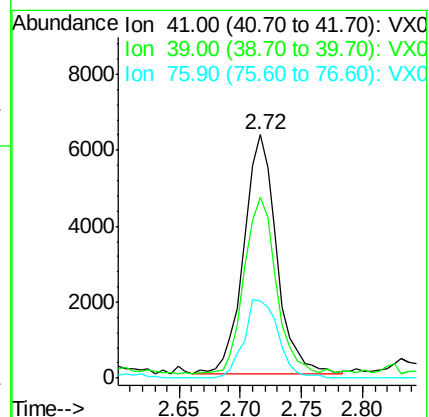
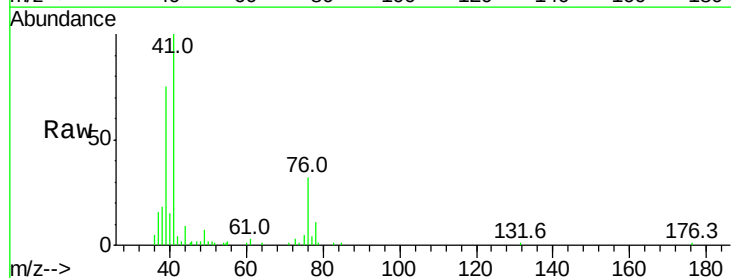
Tgt Ion: 41 Resp: 11774

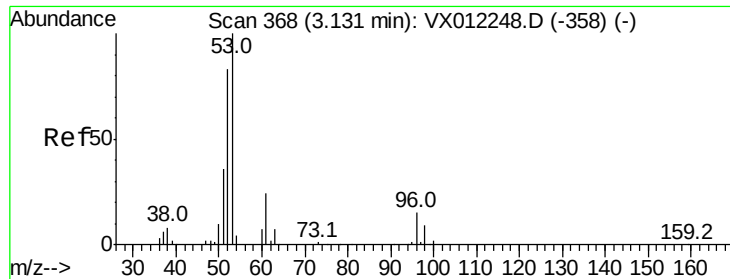
Ion Ratio Lower Upper

41 100

39 71.8 58.6 87.8

76 34.1 26.3 39.5





#15

Acrylonitrile

Concen: 21.086 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

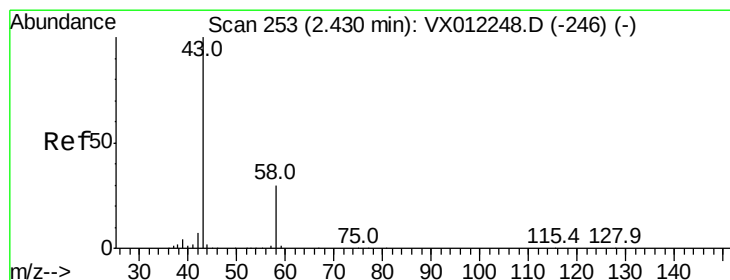
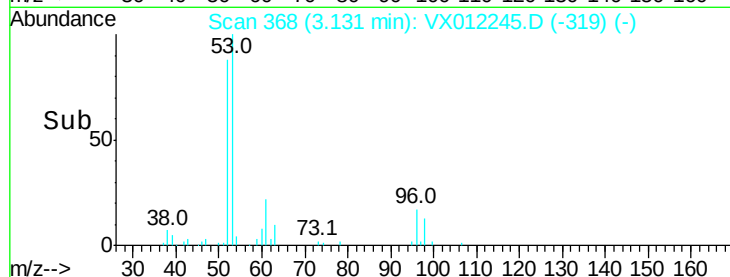
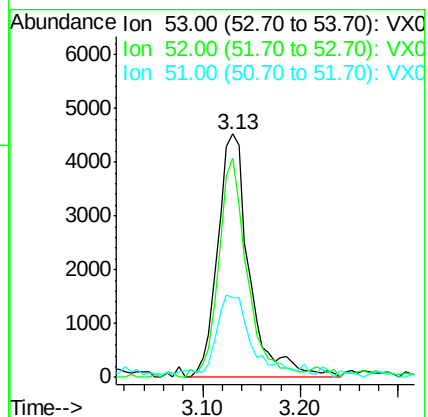
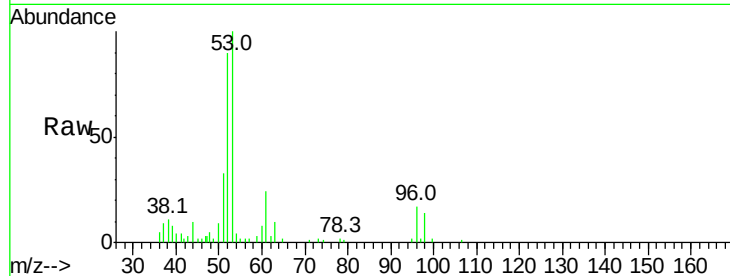
Tgt Ion: 53 Resp: 10204

Ion Ratio Lower Upper

53 100

52 80.9 66.8 100.2

51 34.6 30.7 46.1



#16

Acetone

Concen: 34.293 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012245.D

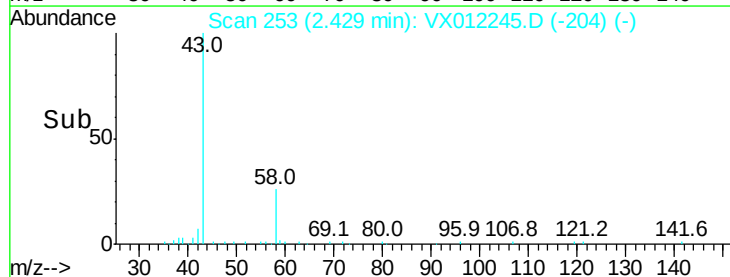
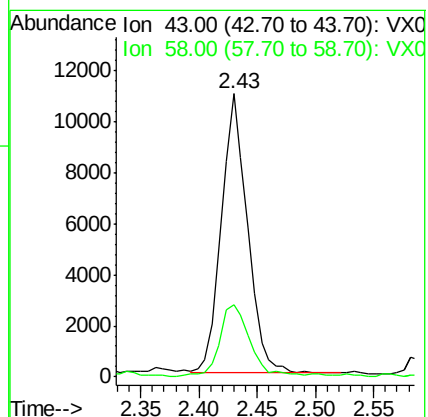
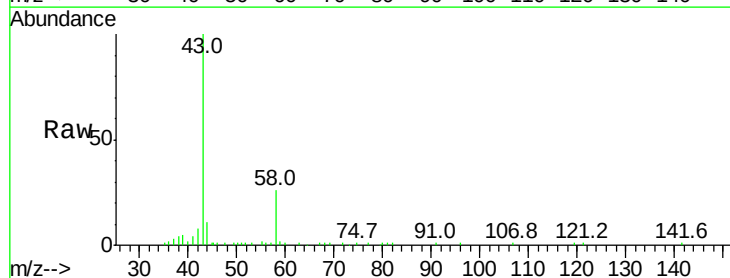
Acq: 10 Sep 2019 09:06

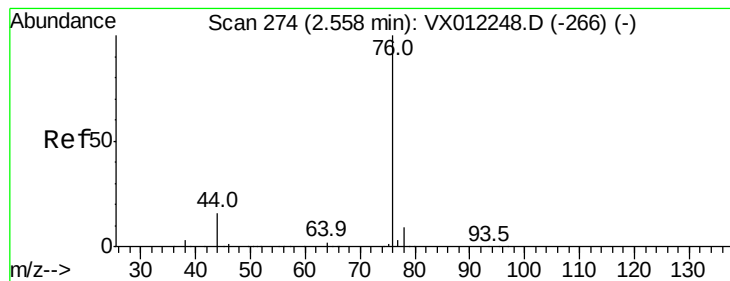
Tgt Ion: 43 Resp: 16944

Ion Ratio Lower Upper

43 100

58 25.2 23.6 35.4





#17

Carbon Disulfide

Concen: 4.969 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

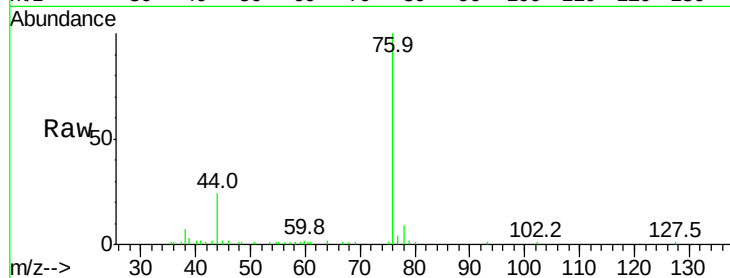
VSTDIC005

Tgt Ion: 76 Resp: 12641

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

8000

6000

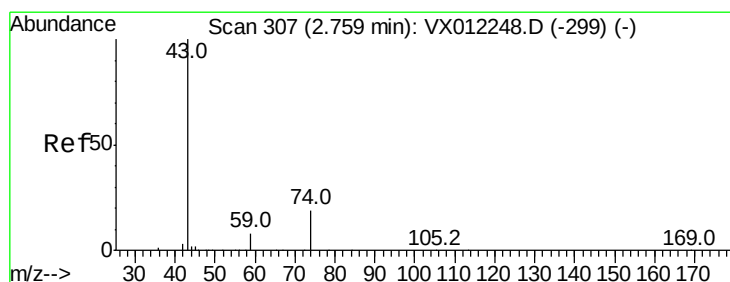
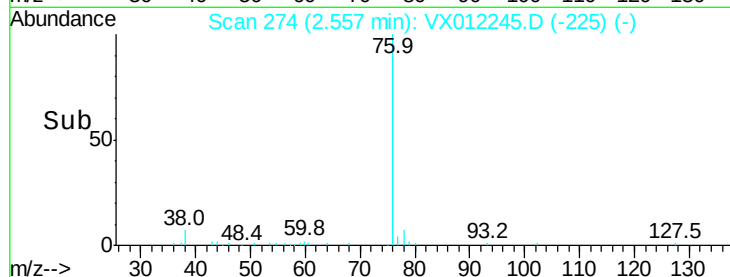
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 4.736 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012245.D

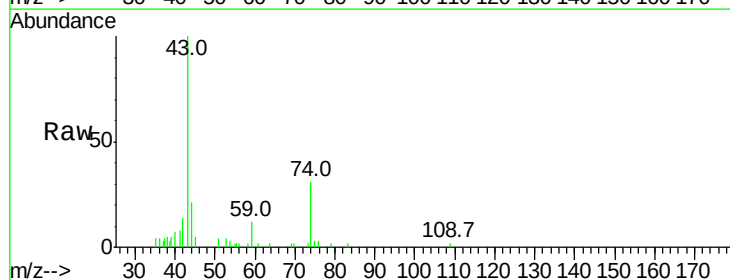
Acq: 10 Sep 2019 09:06

Tgt Ion: 43 Resp: 5946

Ion Ratio Lower Upper

43 100

74 23.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

3000

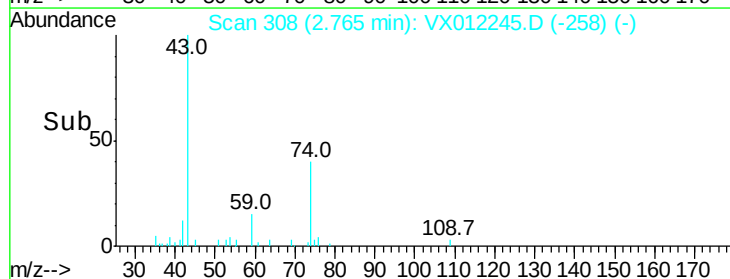
2000

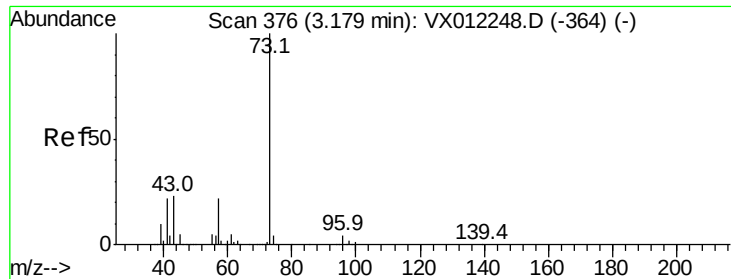
1000

0

Time-->

2.70 2.75 2.80





#19

Methyl tert-butyl Ether

Concen: 4.267 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

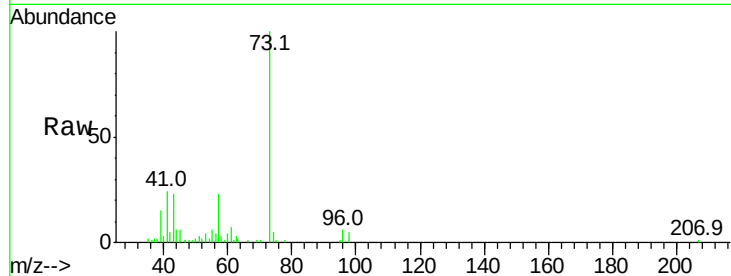
VSTDIC005

Tgt Ion: 73 Resp: 21698

Ion Ratio Lower Upper

73 100

57 22.4 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.18

10000

8000

6000

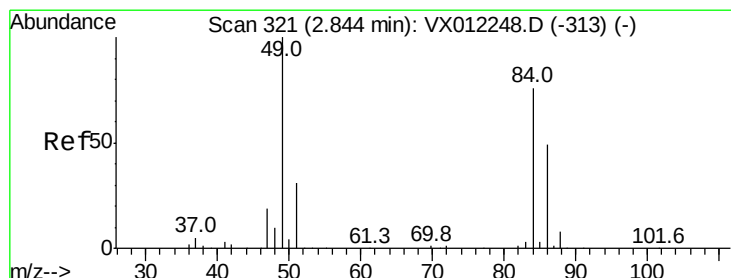
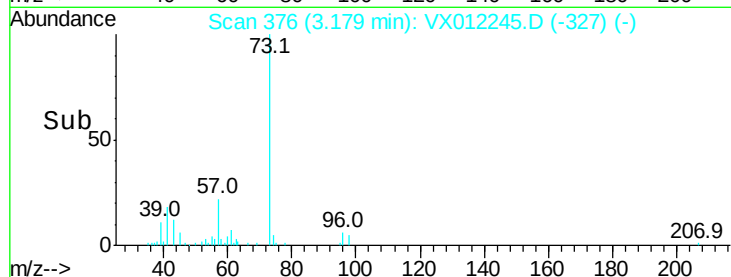
4000

2000

0

Time-->

3.10 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 5.611 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion: 84 Resp: 11634

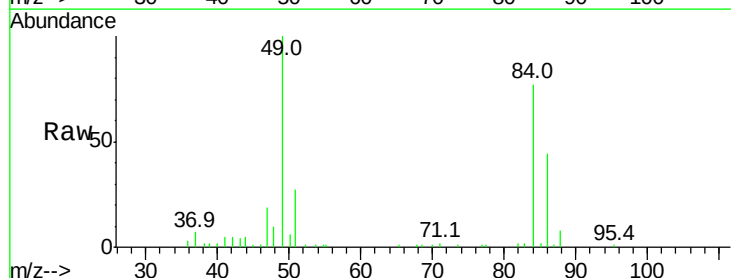
Ion Ratio Lower Upper

84 100

49 130.0 105.0 157.6

51 33.6 32.6 48.8

86 57.1 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

12000

10000

8000

6000

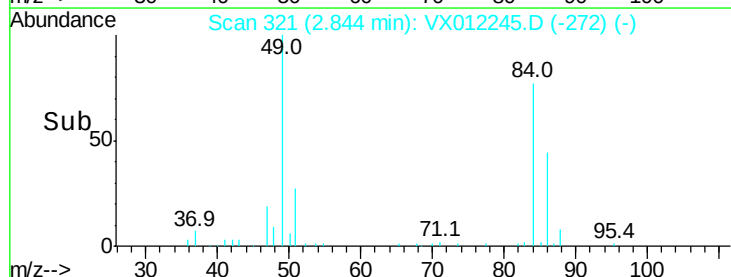
4000

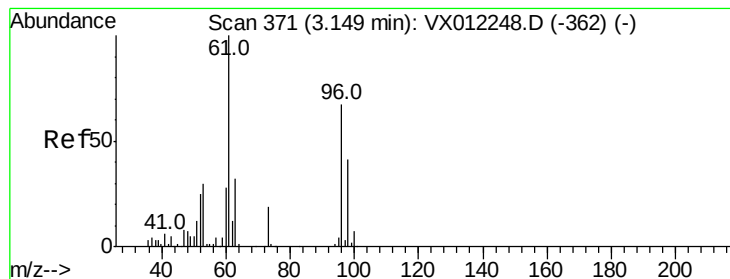
2000

0

Time-->

2.75 2.80 2.85 2.90





#21

trans-1,2-Dichloroethene

Concen: 4.859 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

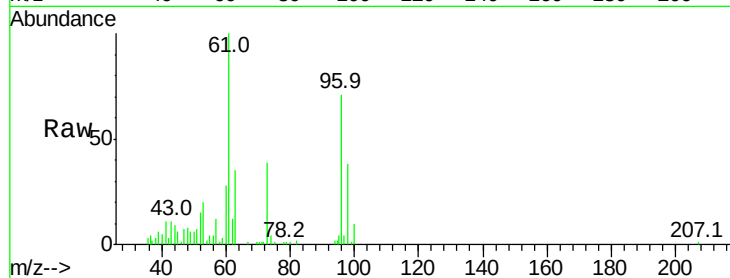
Tgt Ion: 96 Resp: 7271

Ion Ratio Lower Upper

96 100

61 140.0 119.4 179.2

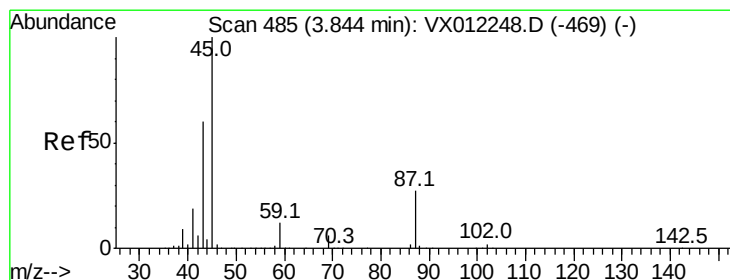
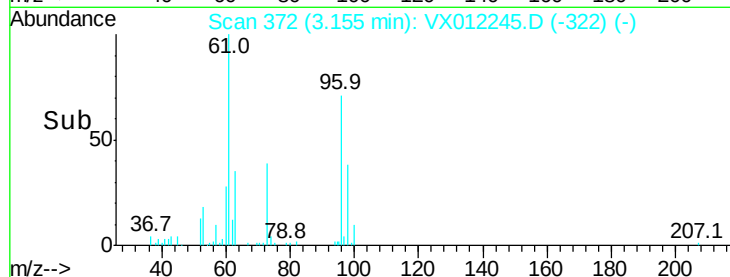
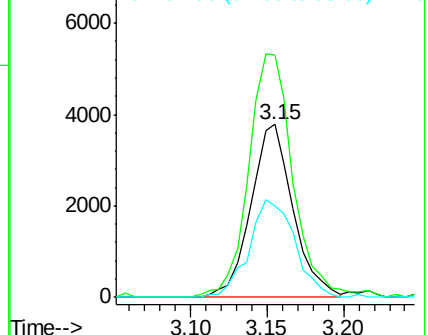
98 53.0 48.4 72.6



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: 4.406 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion: 45 Resp: 26209

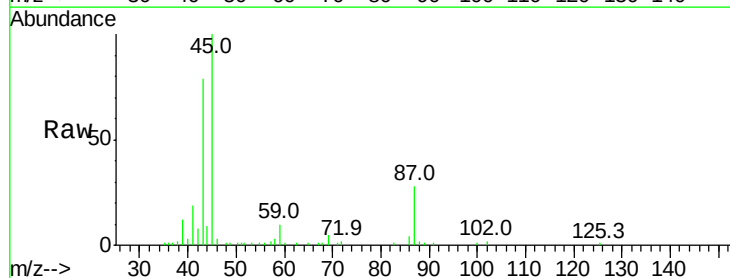
Ion Ratio Lower Upper

45 100

43 76.5 48.3 72.5#

87 27.7 21.8 32.8

59 9.3 9.1 13.7

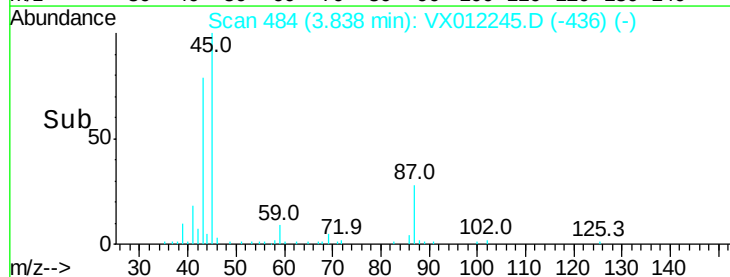
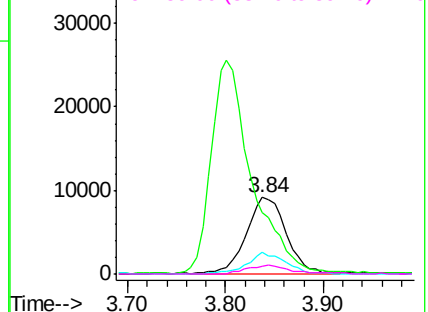


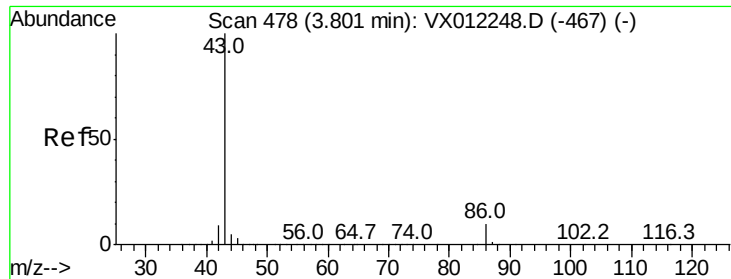
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 20.341 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

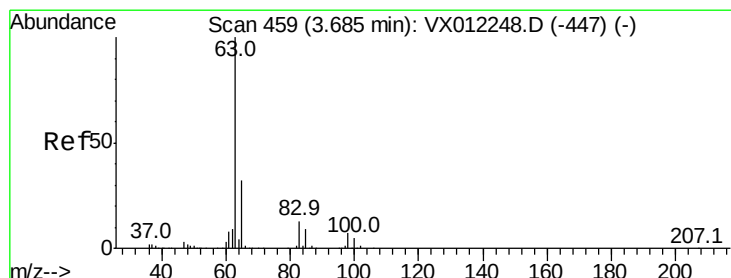
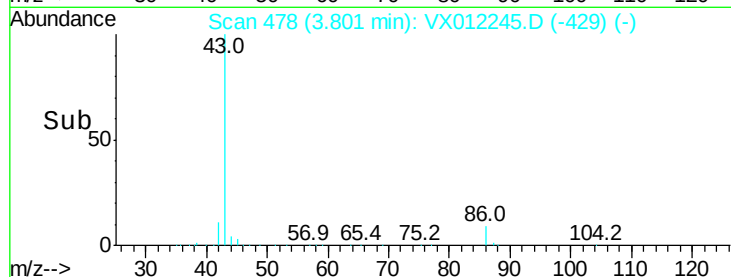
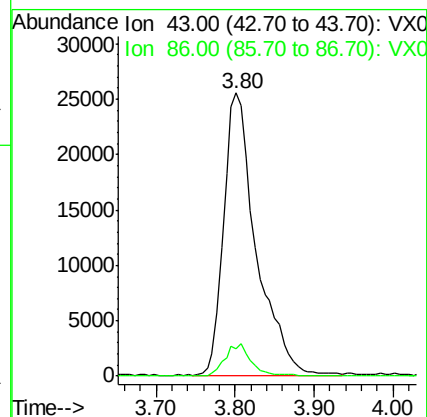
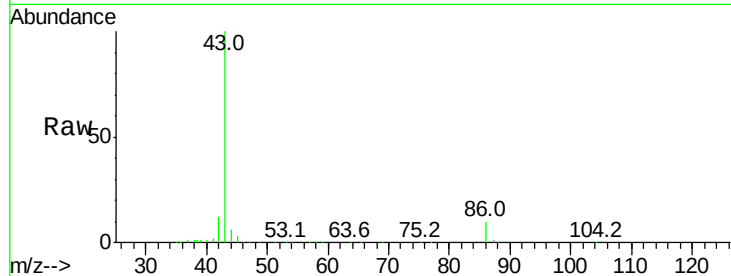
VSTDIC005

Tgt Ion: 43 Resp: 73866

Ion Ratio Lower Upper

43 100

86 9.9 8.3 12.5



#24

1,1-Dichloroethane

Concen: 4.540 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

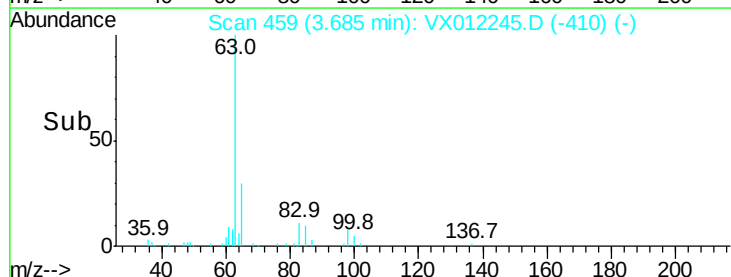
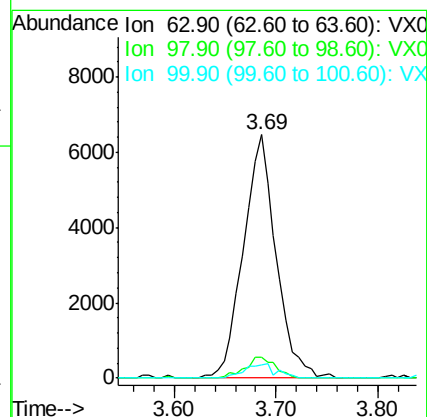
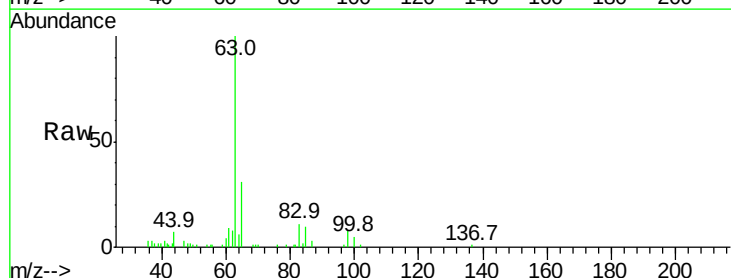
Tgt Ion: 63 Resp: 14414

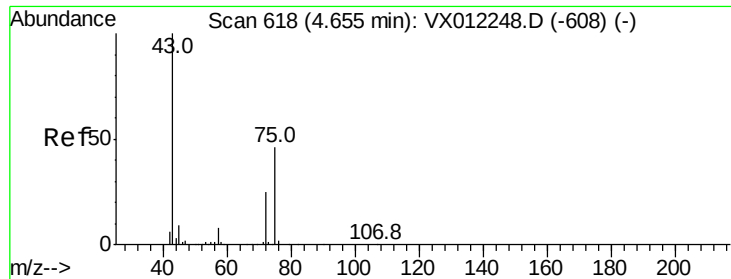
Ion Ratio Lower Upper

63 100

98 8.4 3.4 10.1

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 27.253 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

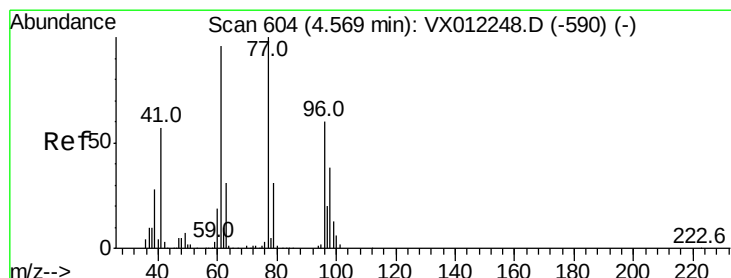
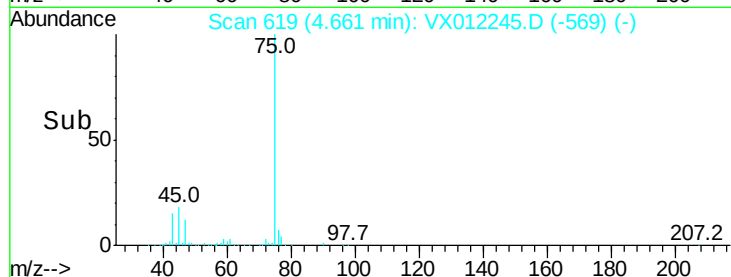
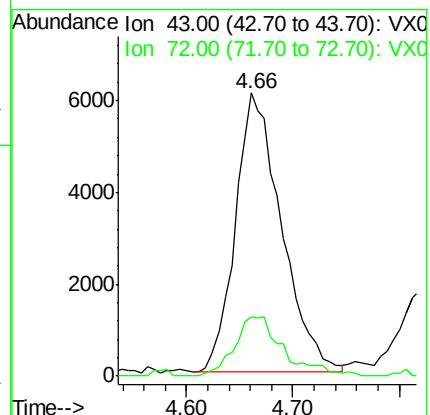
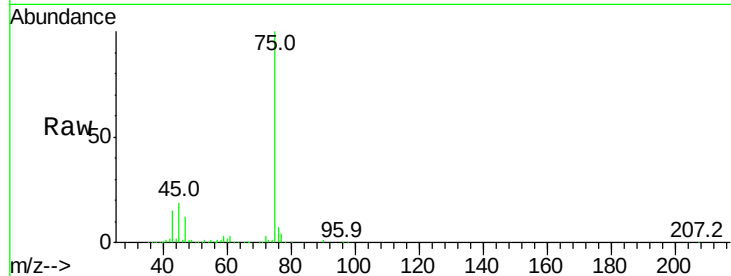
VSTDIC005

Tgt Ion: 43 Resp: 18461

Ion Ratio Lower Upper

43 100

72 21.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 4.713 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012245.D

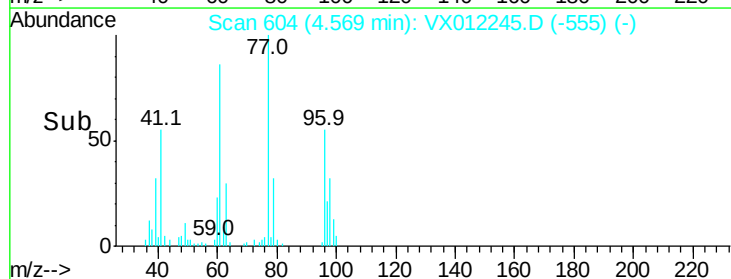
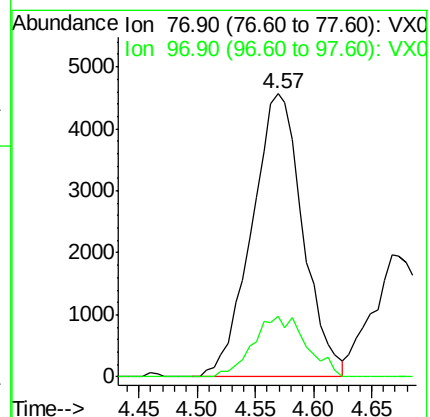
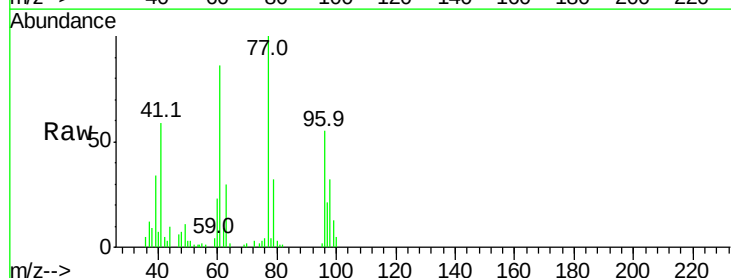
Acq: 10 Sep 2019 09:06

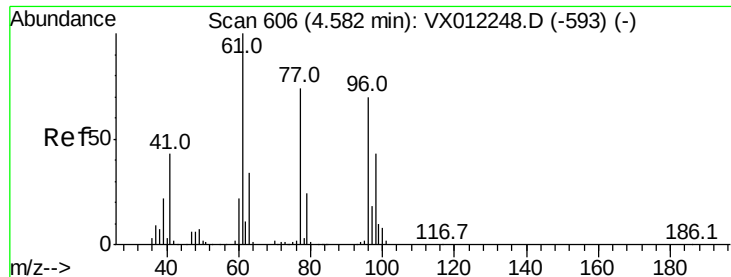
Tgt Ion: 77 Resp: 13879

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1



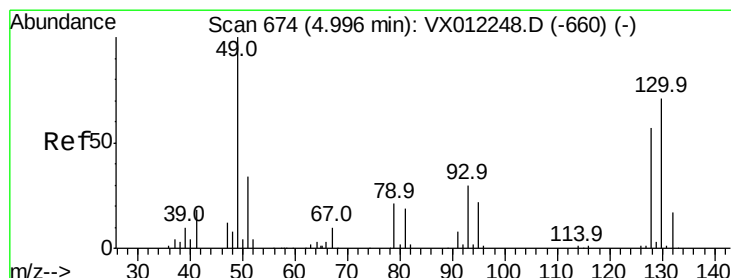
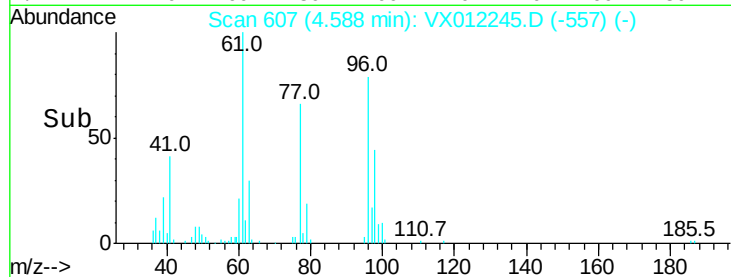
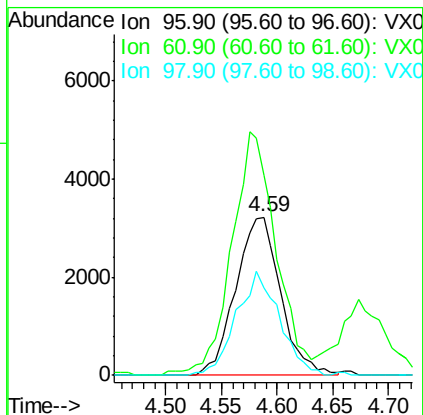
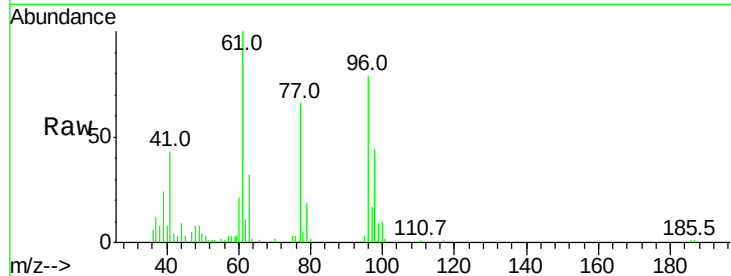


#27

cis-1,2-Dichloroethene
Concen: 4.602 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

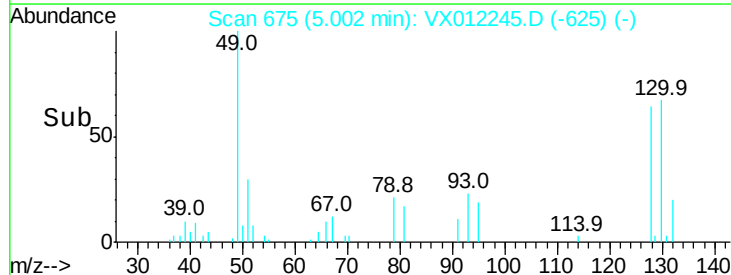
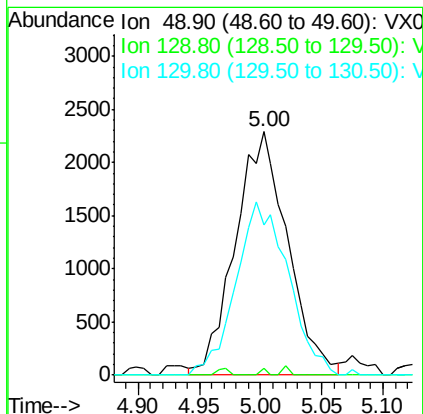
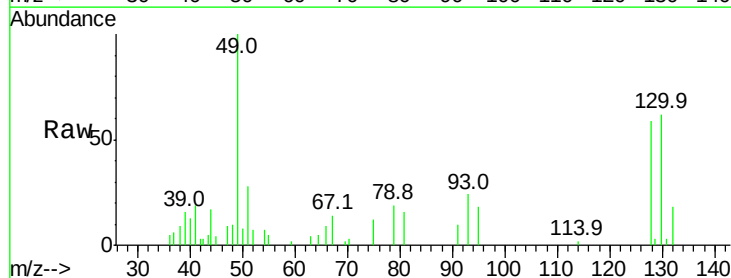
Tgt Ion: 96 Resp: 9073
Ion Ratio Lower Upper
96 100
61 150.9 0.0 310.4
98 62.8 0.0 128.8

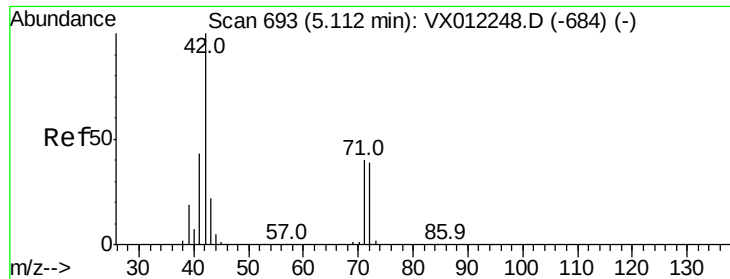


#28

Bromochloromethane
Concen: 4.681 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 49 Resp: 6816
Ion Ratio Lower Upper
49 100
129 0.3 0.0 5.2
130 70.9 60.1 90.1





#29

Tetrahydrofuran

Concen: 18.940 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

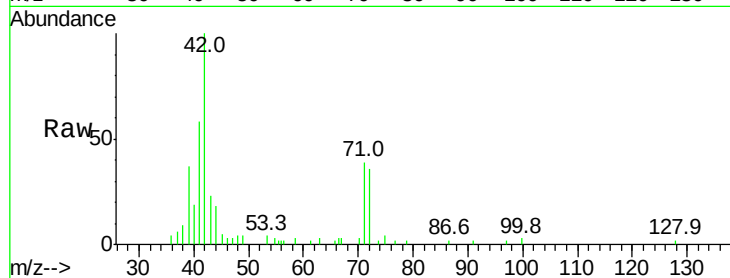
Tgt Ion: 42 Resp: 7781

Ion Ratio Lower Upper

42 100

72 46.7 35.2 52.8

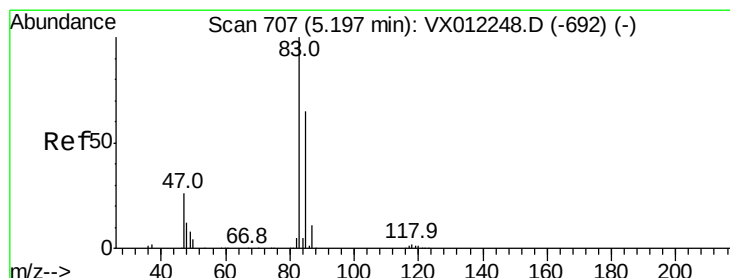
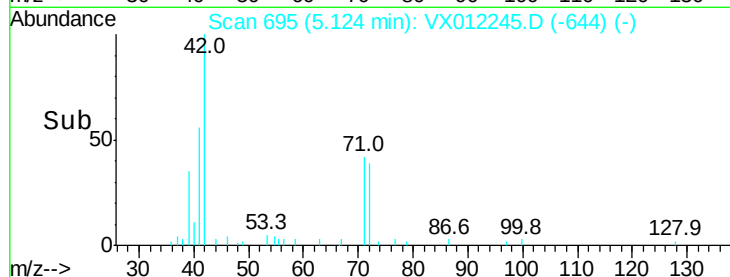
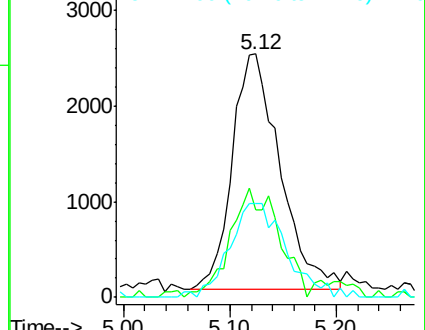
71 47.2 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 4.687 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012245.D

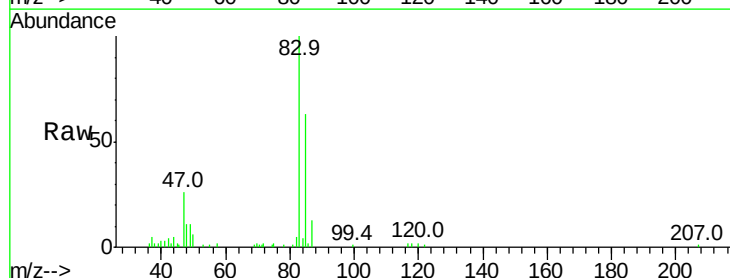
Acq: 10 Sep 2019 09:06

Tgt Ion: 83 Resp: 17027

Ion Ratio Lower Upper

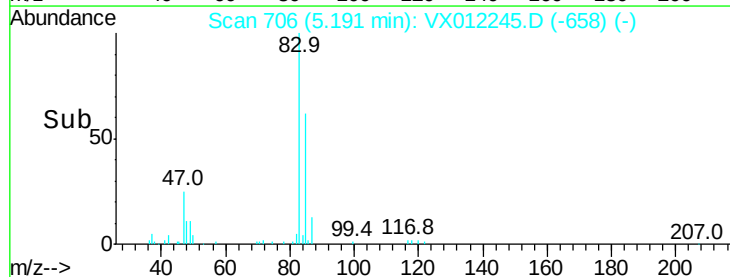
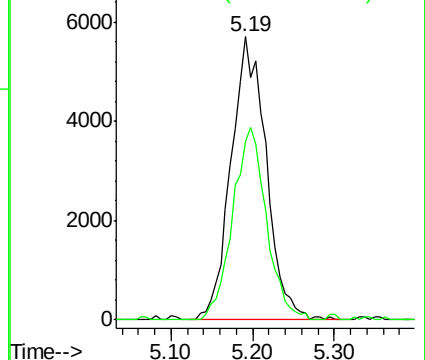
83 100

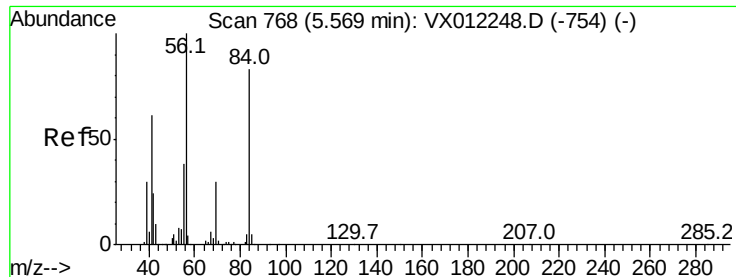
85 63.1 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

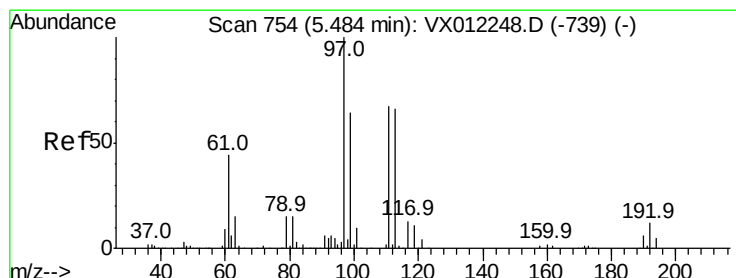
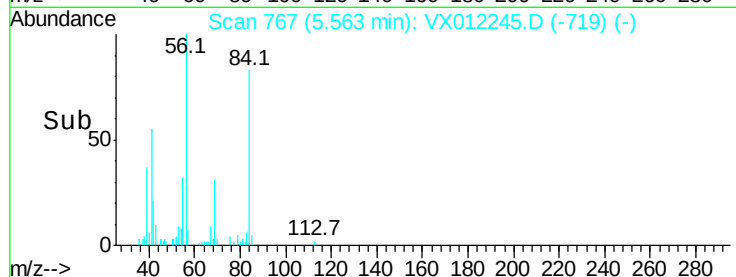
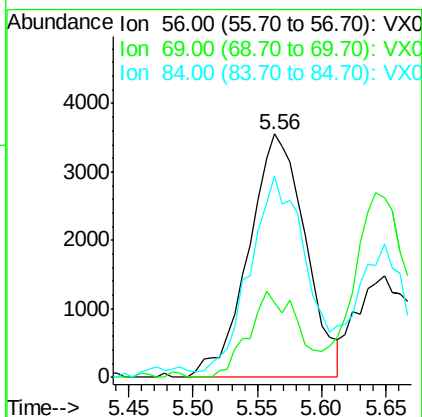
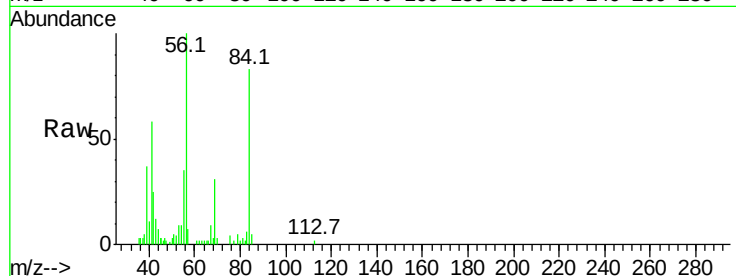




#31
Cyclohexane
Concen: 5.095 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

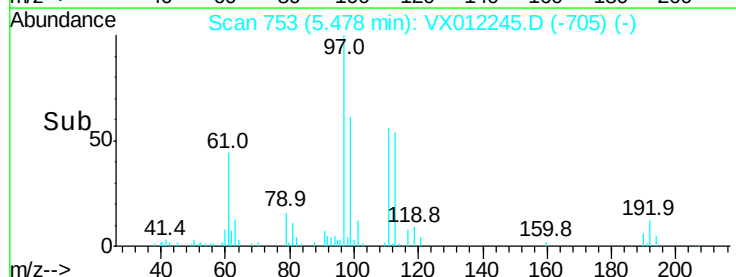
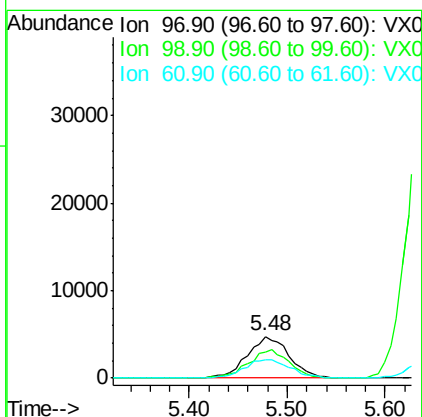
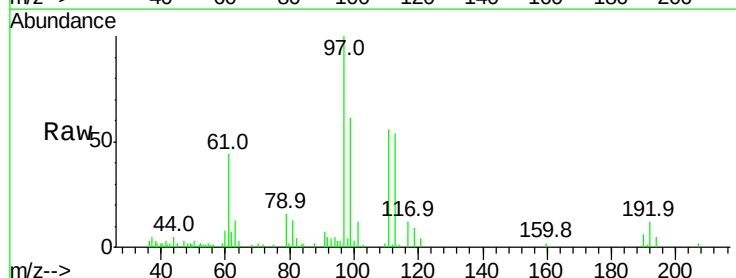
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

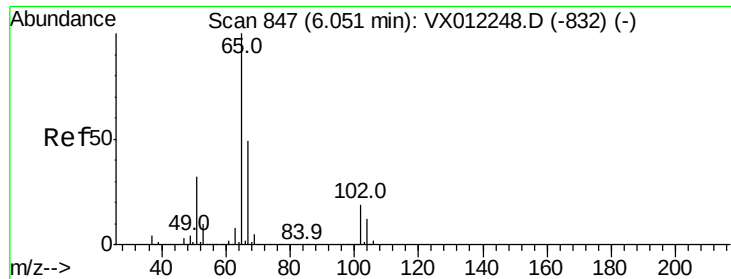
Tgt Ion: 56 Resp: 10880
Ion Ratio Lower Upper
56 100
69 30.6 23.8 35.6
84 80.3 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 4.707 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 97 Resp: 14164
Ion Ratio Lower Upper
97 100
99 66.7 51.3 76.9
61 49.6 35.4 53.0

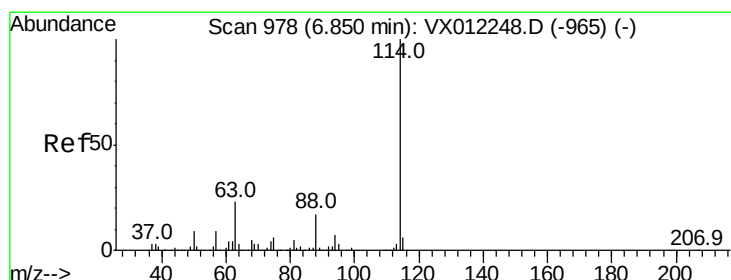
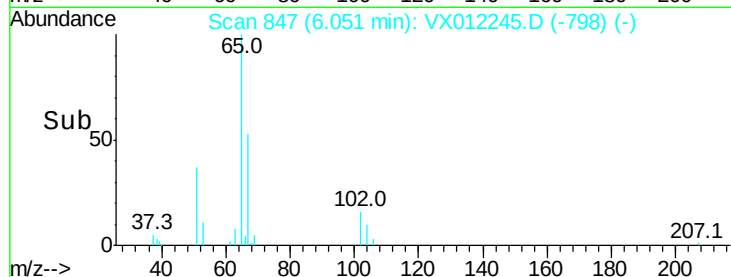
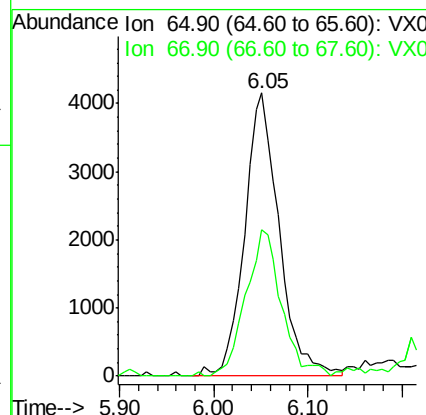
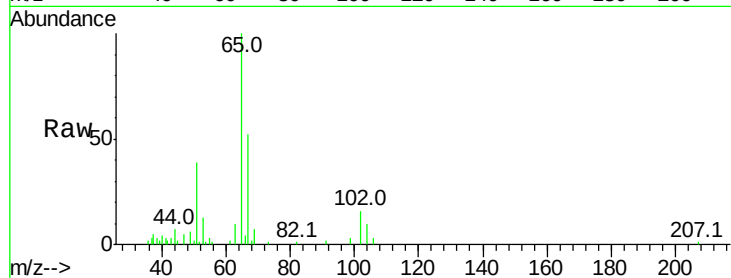




#33
 1,2-Dichloroethane-d4
 Concen: 4.553 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

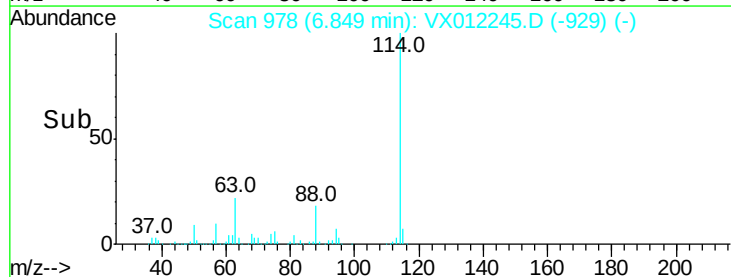
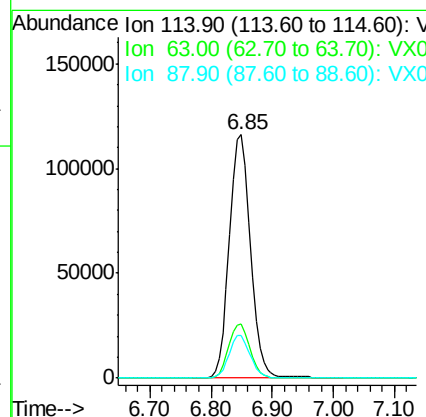
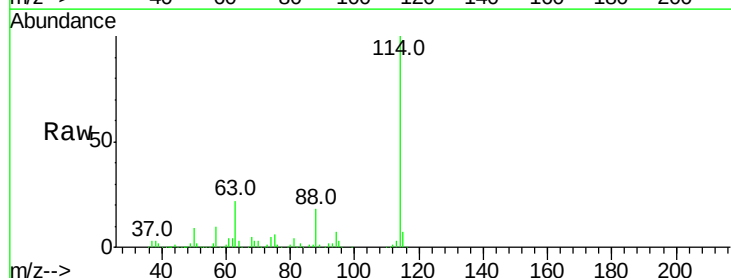
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

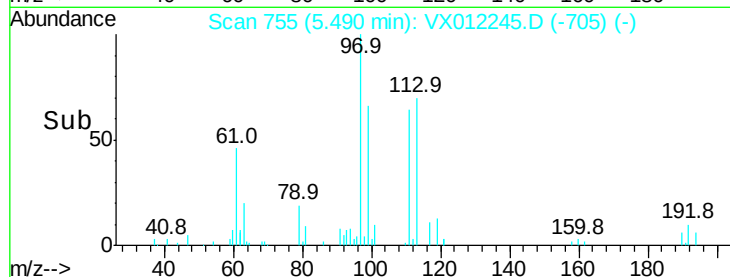
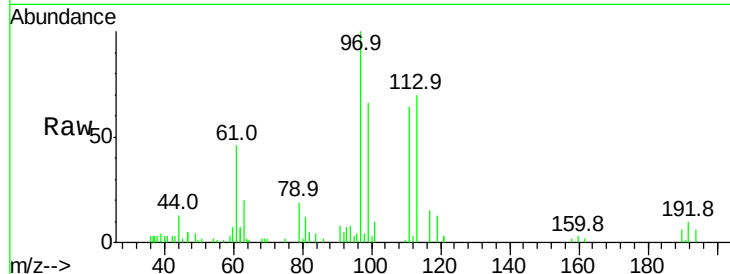
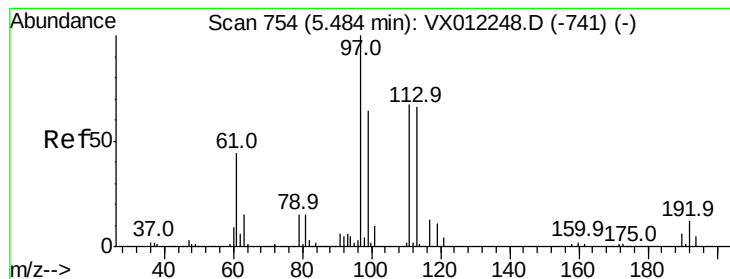
Tgt Ion: 65 Resp: 10644
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 114 Resp: 278342
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 17.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 4.434 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

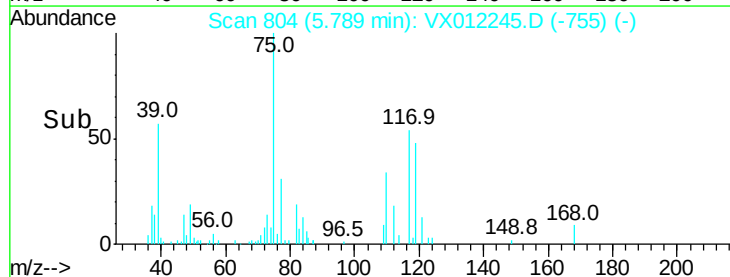
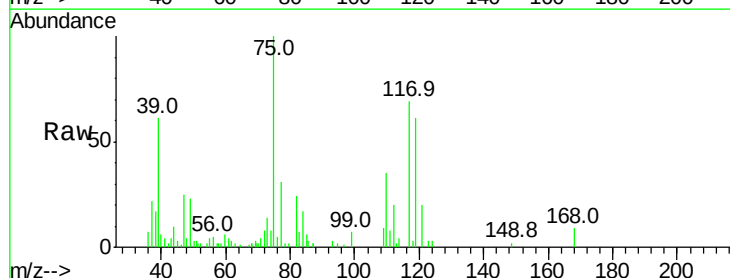
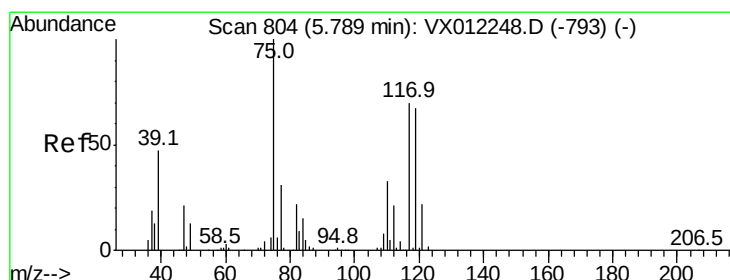
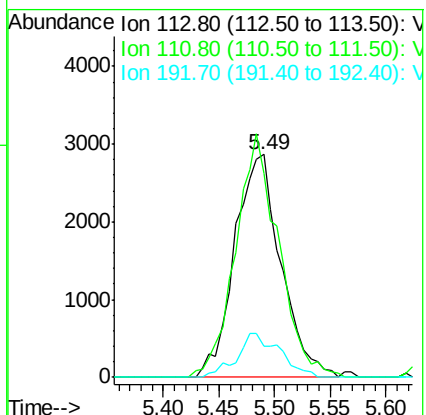
Tgt Ion:113 Resp: 8270

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

192 18.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

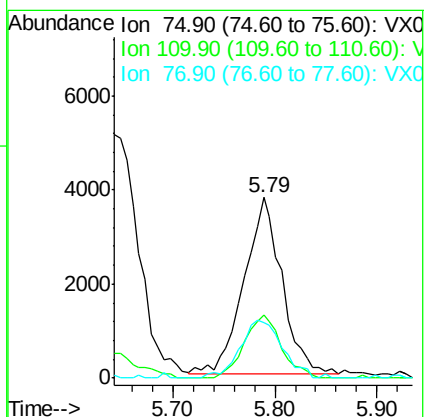
Tgt Ion: 75 Resp: 9635

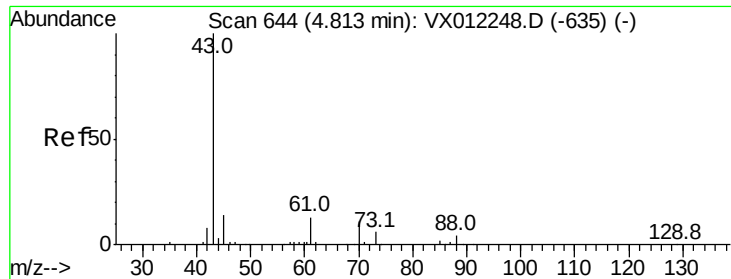
Ion Ratio Lower Upper

75 100

110 35.3 16.8 50.4

77 36.4 24.5 36.7

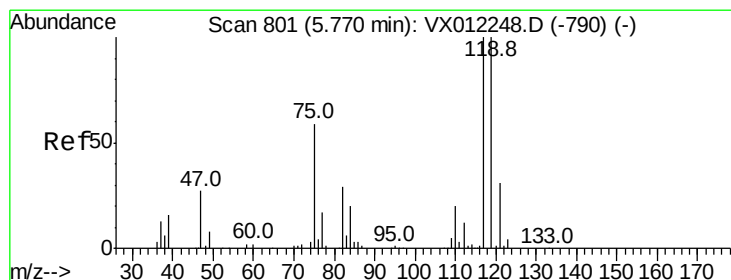
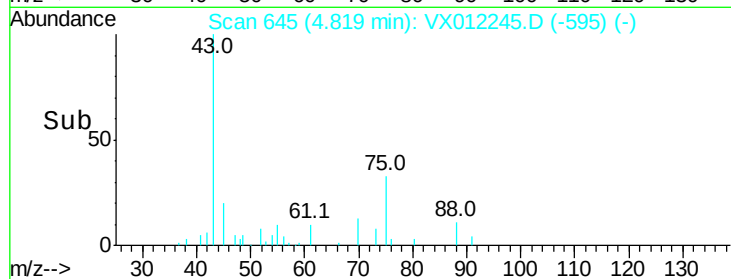
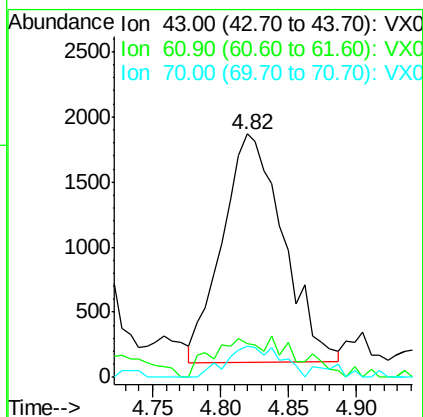
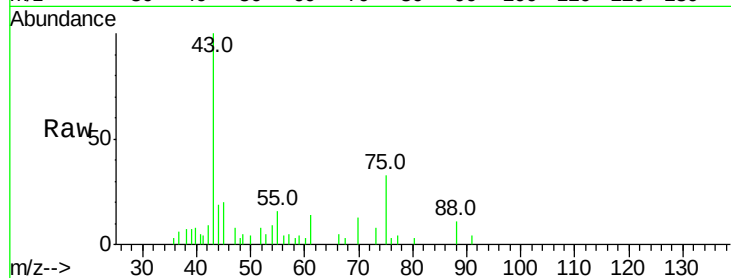




#37
Ethyl Acetate
Concen: 3.870 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

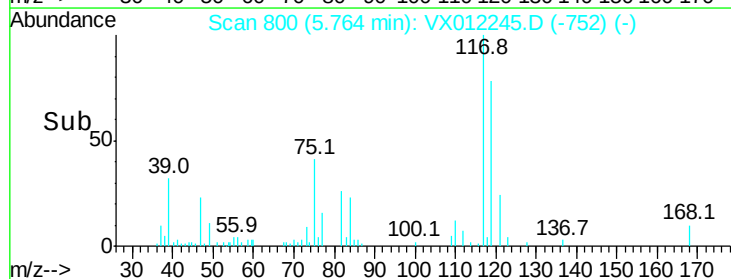
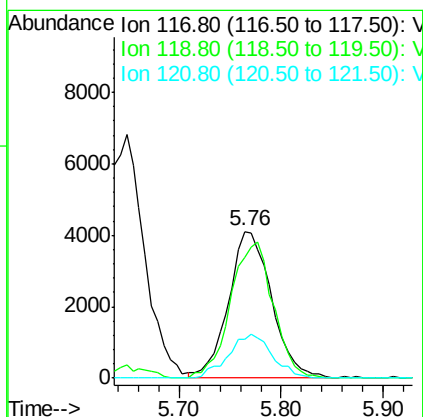
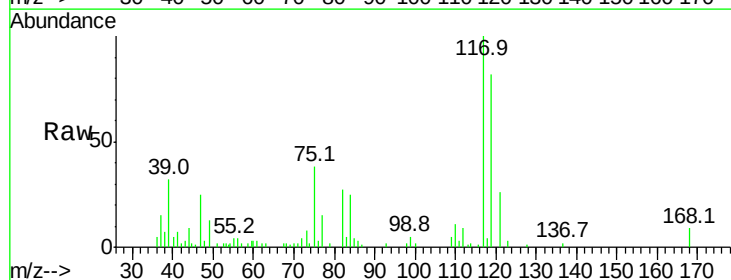
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

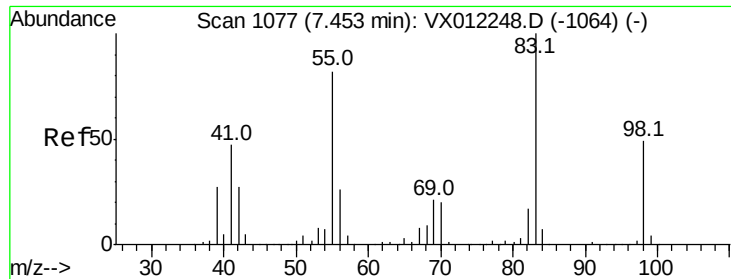
Tgt Ion: 43 Resp: 5474
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 12.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 117 Resp: 12050
Ion Ratio Lower Upper
117 100
119 82.5 79.6 119.4
121 26.4 24.7 37.1

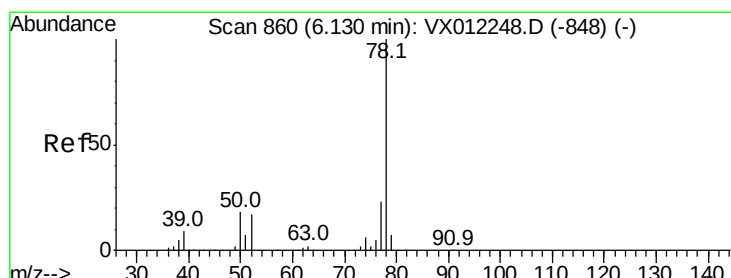
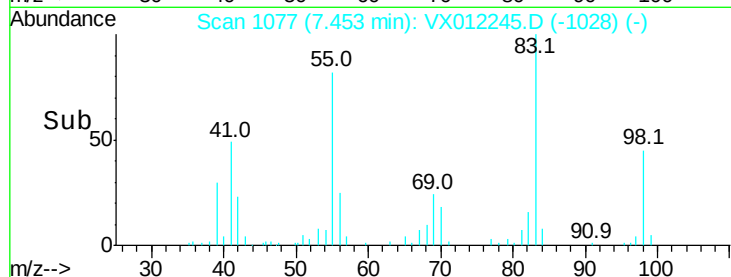
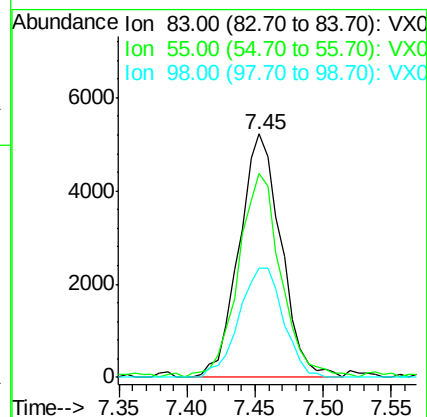
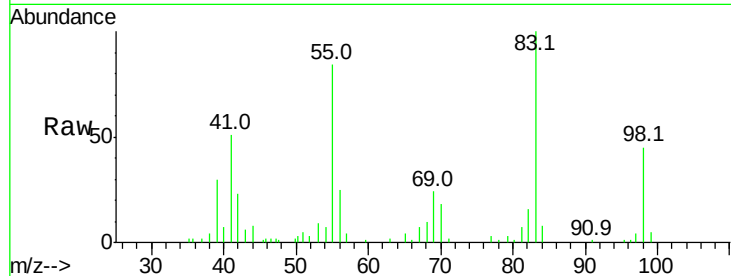




#39
Methylcyclohexane
Concen: 4.962 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

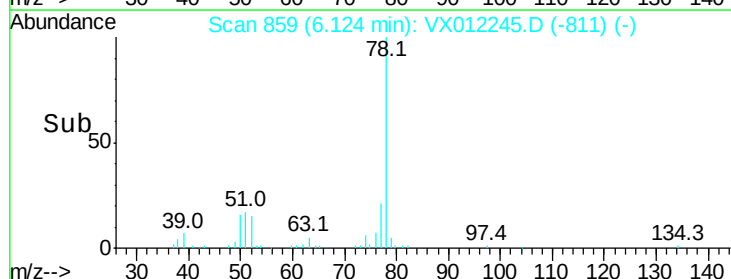
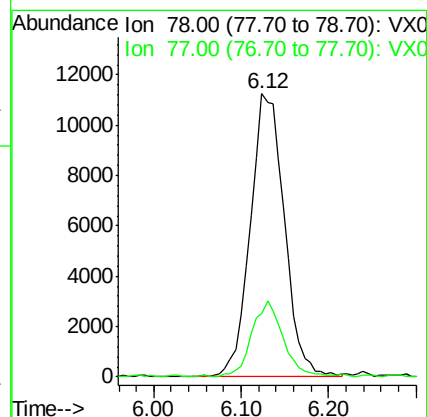
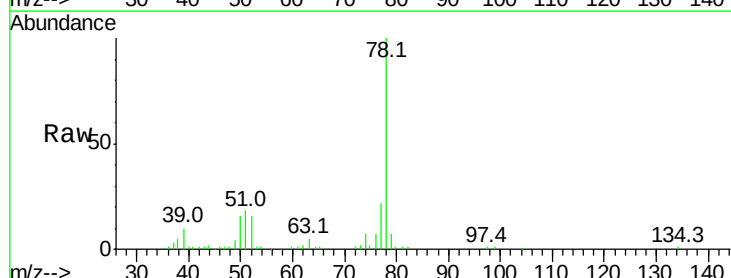
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

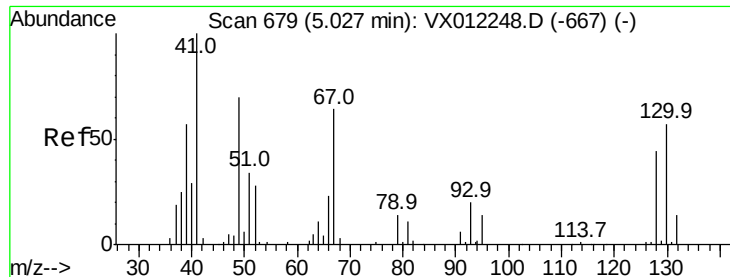
Tgt Ion: 83 Resp: 11181
Ion Ratio Lower Upper
83 100
55 82.4 65.4 98.2
98 45.1 39.6 59.4



#40
Benzene
Concen: 4.706 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 78 Resp: 30577
Ion Ratio Lower Upper
78 100
77 22.2 18.0 27.0





#41

Methacrylonitrile

Concen: 3.673 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 3207

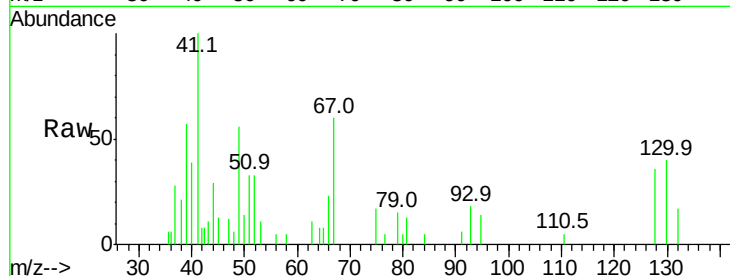
Ion Ratio Lower Upper

41 100

39 67.3 49.0 73.4

67 82.6 55.0 82.4#

52 47.7 25.4 38.0#



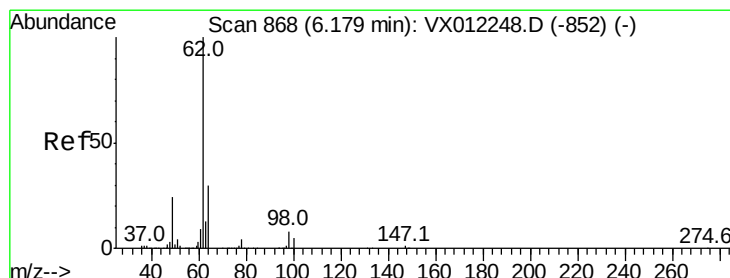
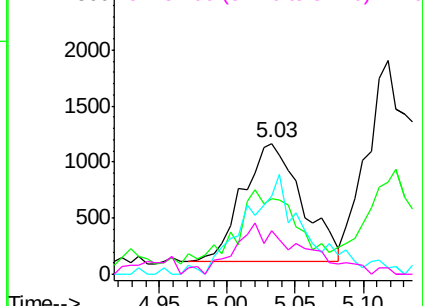
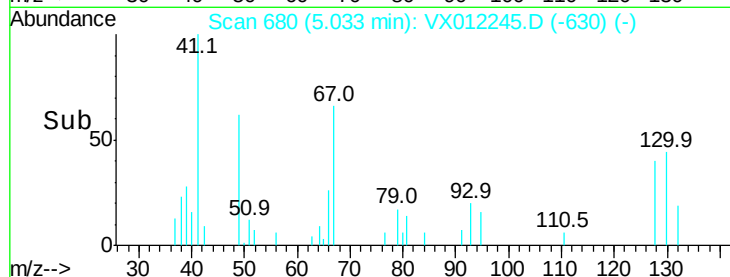
Abundance

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: 4.558 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX012245.D

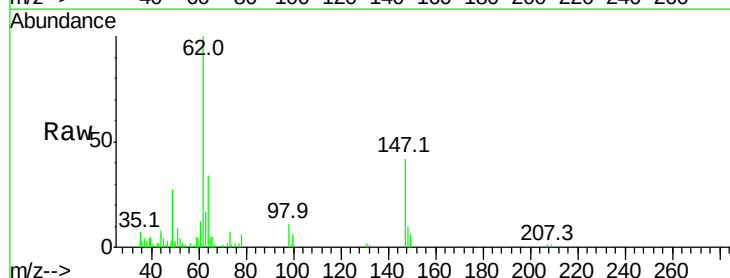
Acq: 10 Sep 2019 09:06

Tgt Ion: 62 Resp: 11969

Ion Ratio Lower Upper

62 100

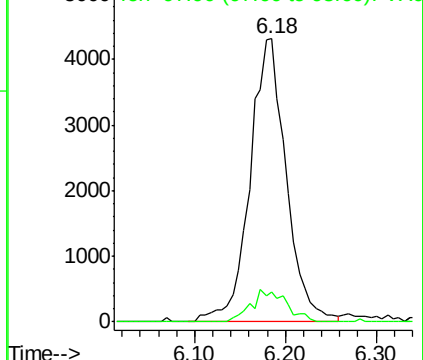
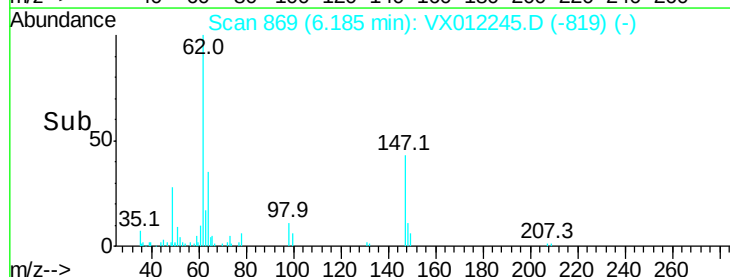
98 11.0 0.0 17.2

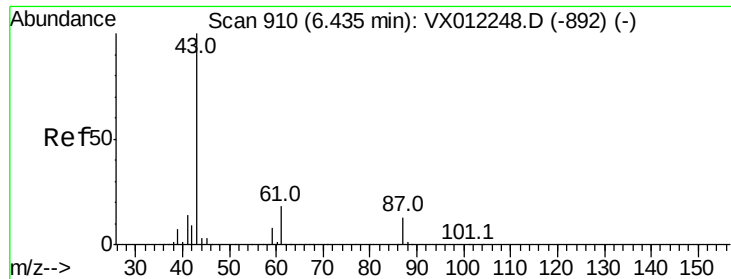


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.104 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

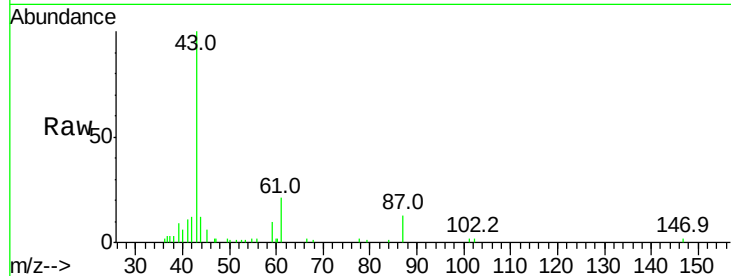
Tgt Ion: 43 Resp: 12020

Ion Ratio Lower Upper

43 100

61 19.7 15.4 23.2

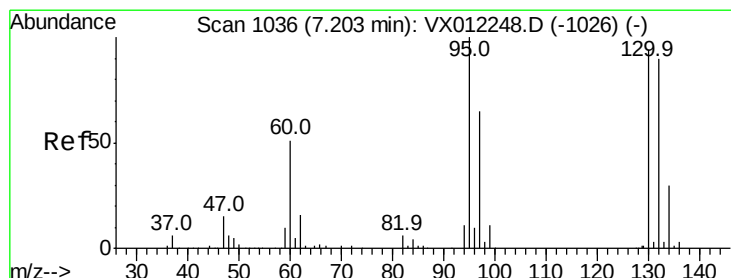
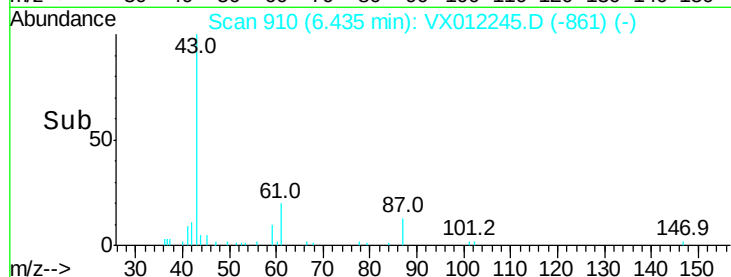
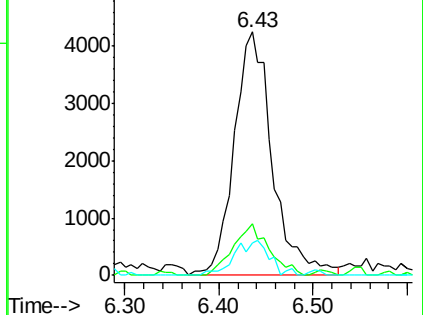
87 12.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 4.691 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012245.D

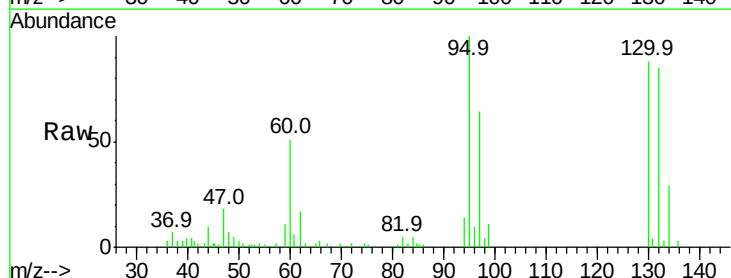
Acq: 10 Sep 2019 09:06

Tgt Ion: 130 Resp: 8220

Ion Ratio Lower Upper

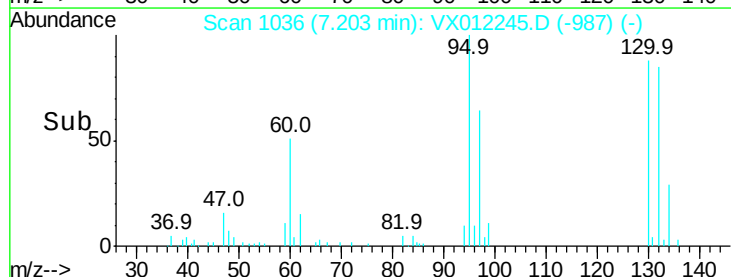
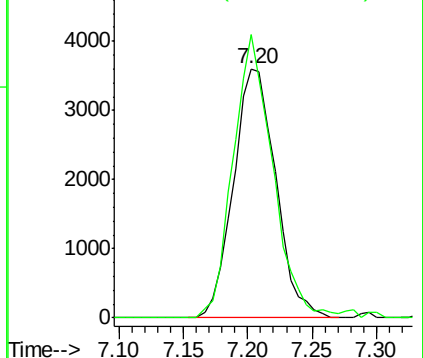
130 100

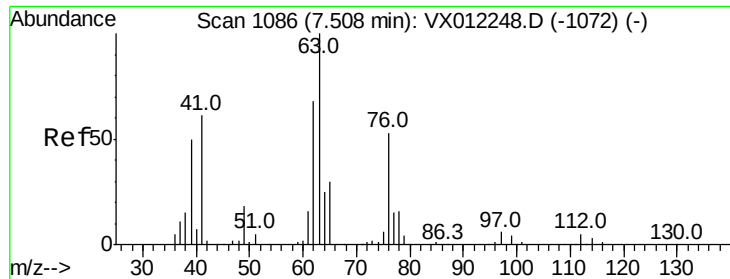
95 113.5 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

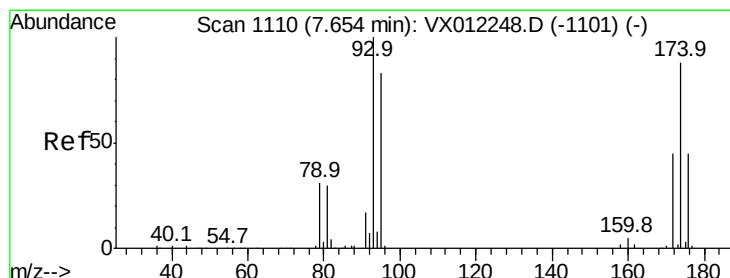
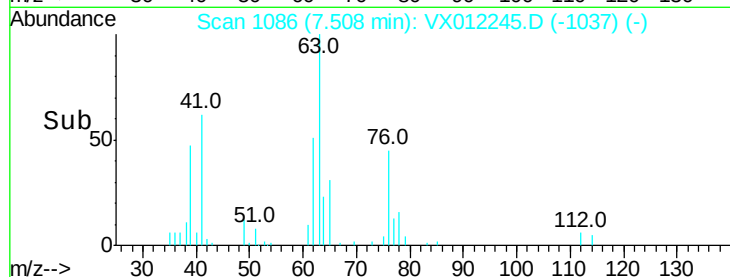
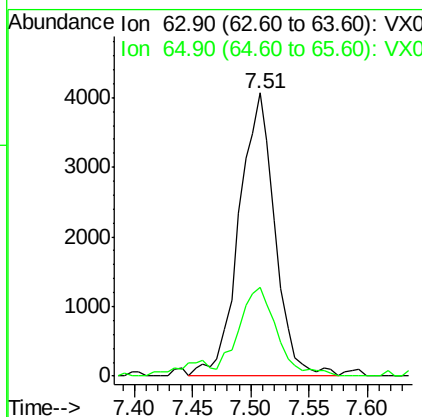
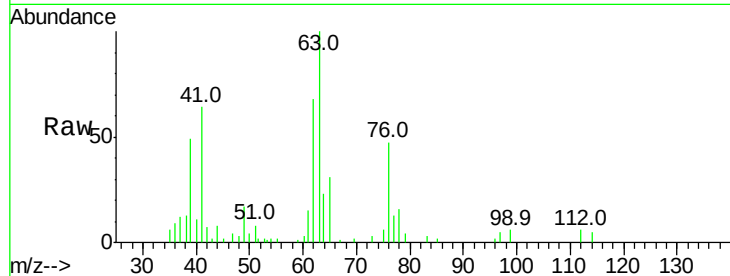




#45
 1,2-Dichloropropane
 Concen: 4.760 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

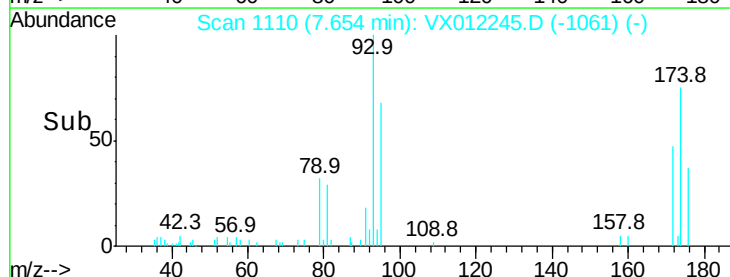
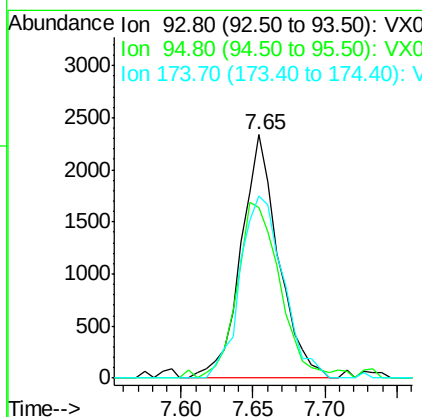
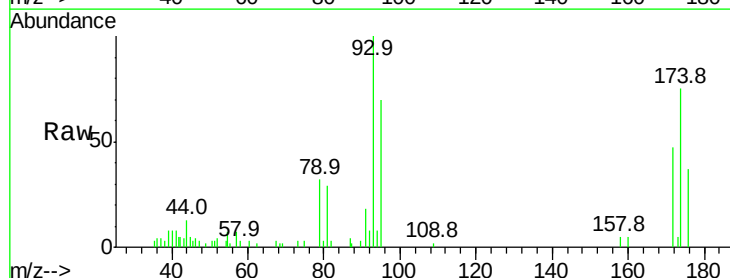
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

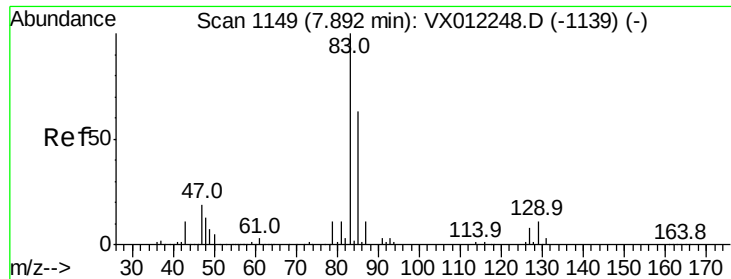
Tgt Ion: 63 Resp: 8729
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.3 36.5



#46
 Dibromomethane
 Concen: 4.039 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 93 Resp: 4213
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.7 98.5
 174 85.6 71.0 106.4





#47

Bromodichloromethane

Concen: 4.366 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

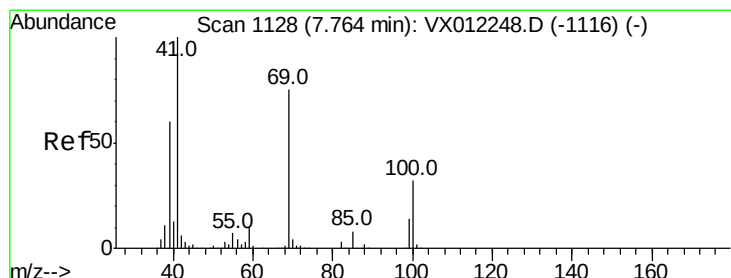
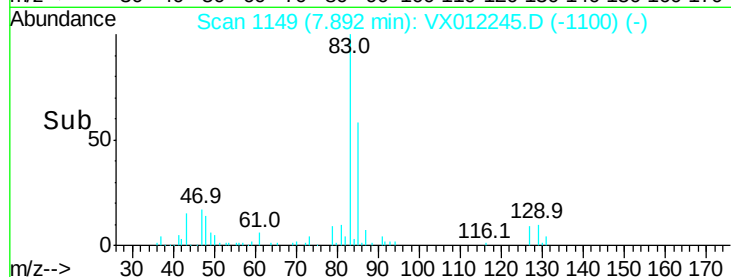
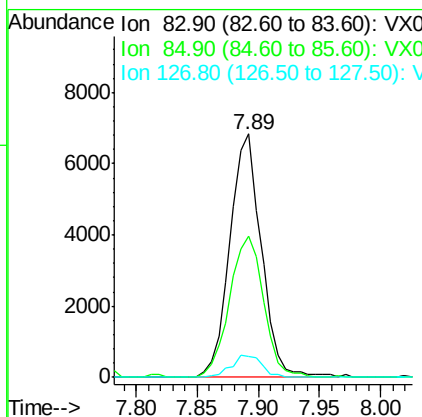
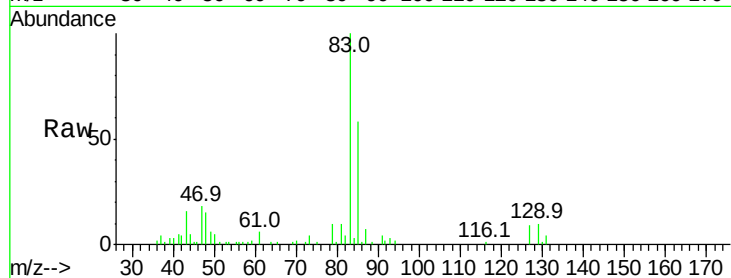
Tgt Ion: 83 Resp: 12190

Ion Ratio Lower Upper

83 100

85 58.1 50.2 75.4

127 8.6 6.3 9.5



#48

Methyl methacrylate

Concen: 3.790 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

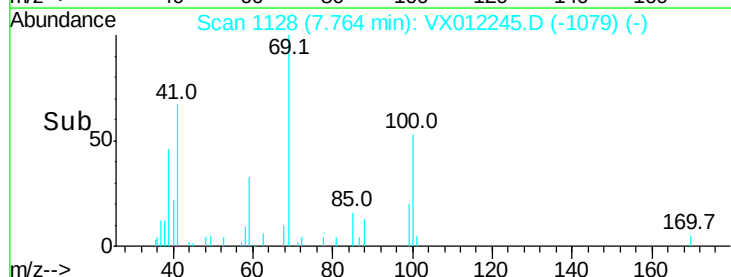
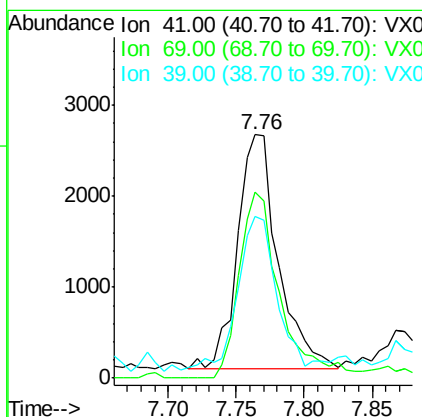
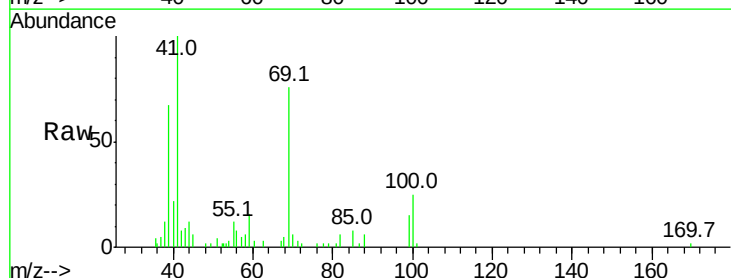
Tgt Ion: 41 Resp: 5334

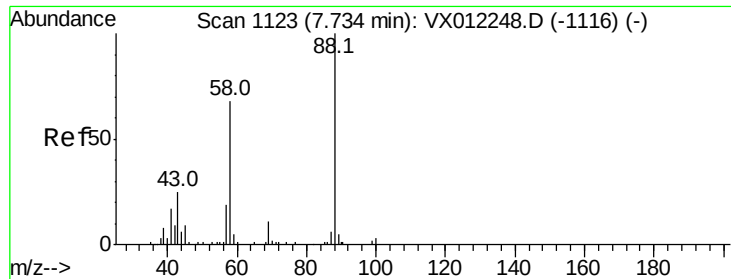
Ion Ratio Lower Upper

41 100

69 80.7 61.8 92.6

39 63.5 48.6 73.0

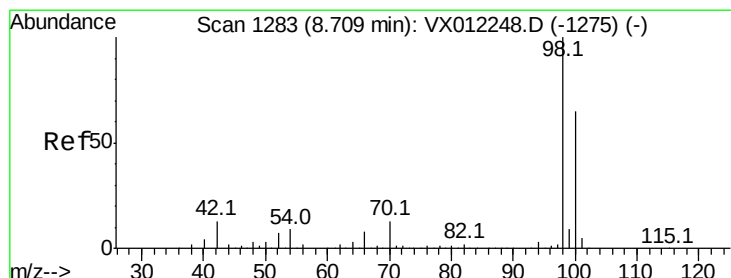
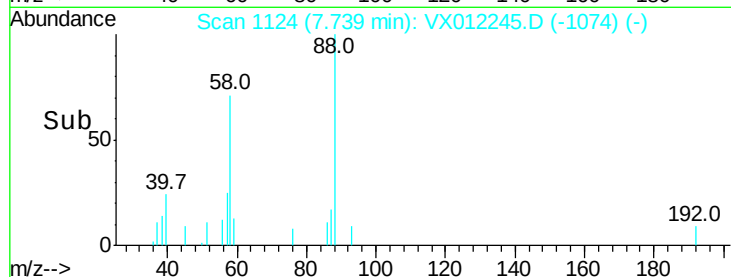
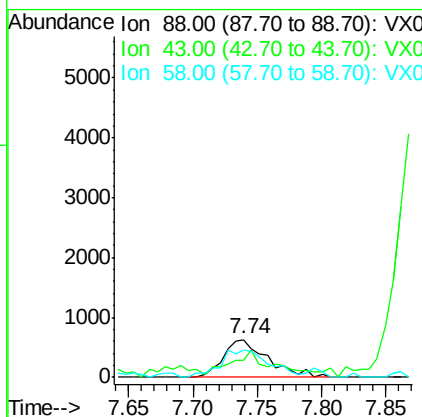
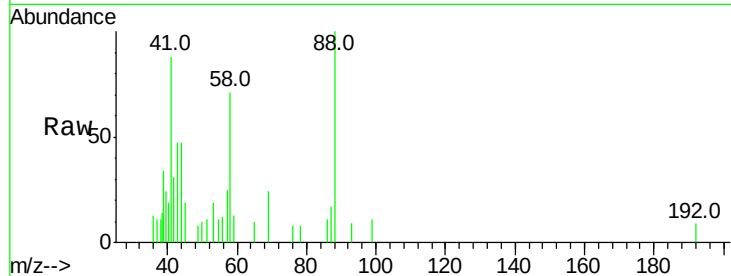




#49
1,4-Dioxane
Concen: 75.993 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

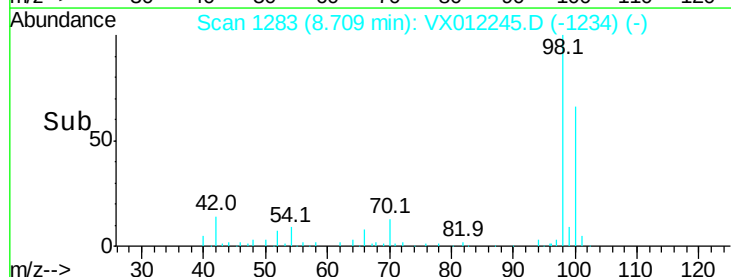
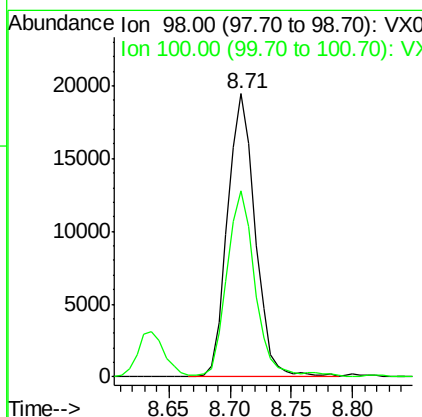
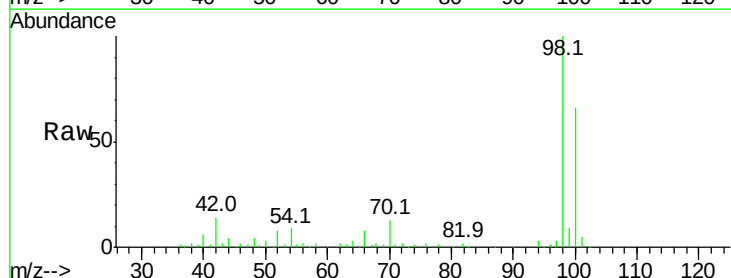
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

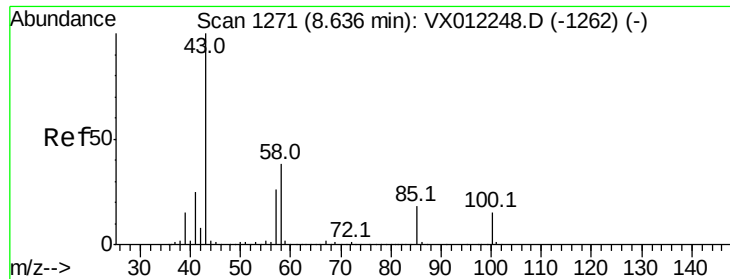
Tgt Ion: 88 Resp: 1501
Ion Ratio Lower Upper
88 100
43 57.6 31.0 46.4#
58 80.4 61.5 92.3



#50
Toluene-d8
Concen: 4.677 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 98 Resp: 30511
Ion Ratio Lower Upper
98 100
100 64.3 54.1 81.1

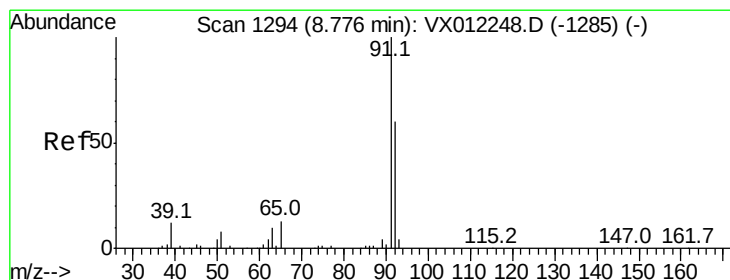
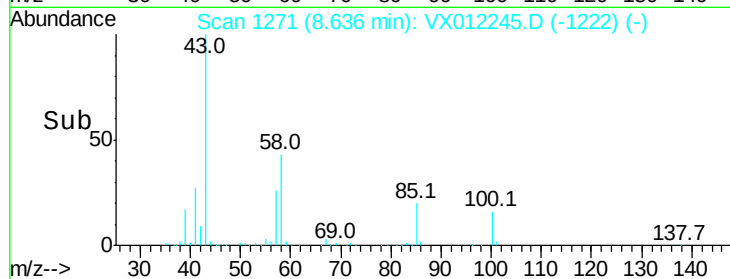
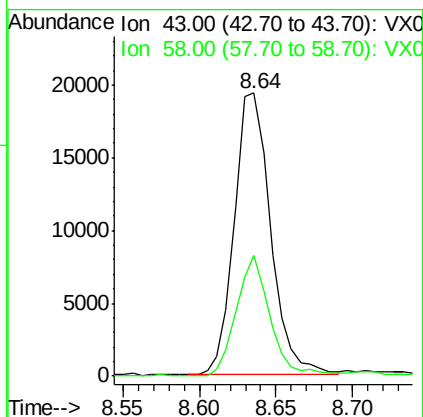
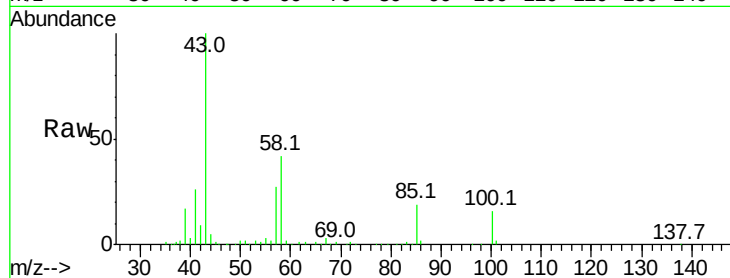




#51
 4-Methyl-2-Pentanone
 Concen: 21.035 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

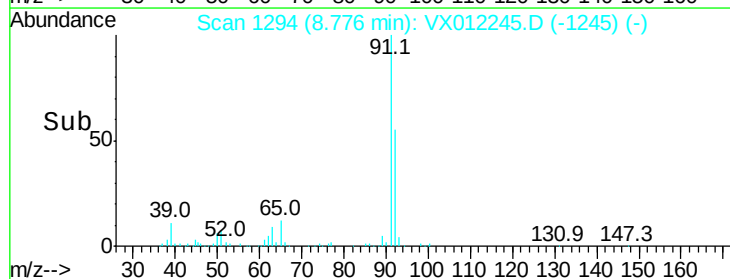
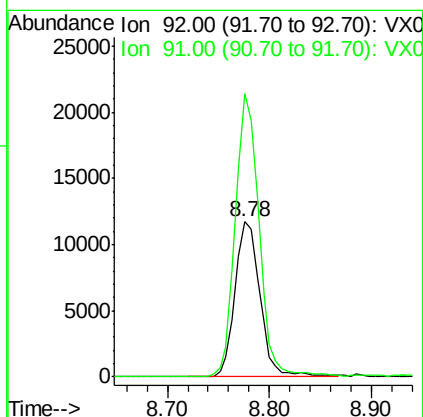
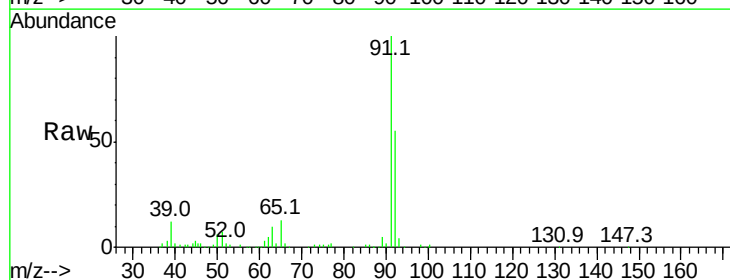
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

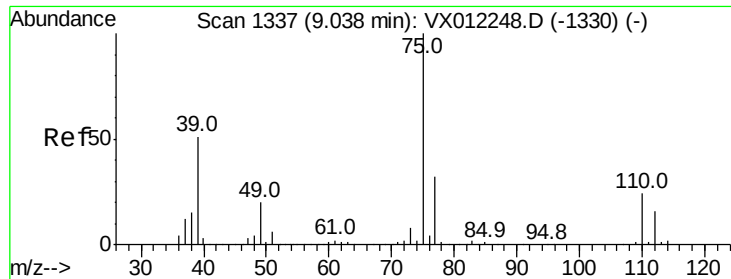
Tgt Ion: 43 Resp: 32051
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.1 45.1



#52
 Toluene
 Concen: 4.606 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 92 Resp: 19876
 Ion Ratio Lower Upper
 92 100
 91 173.6 133.6 200.4

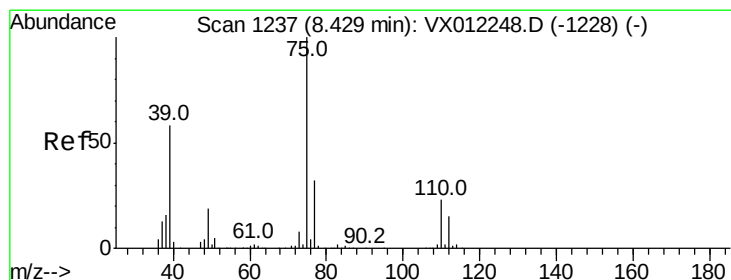
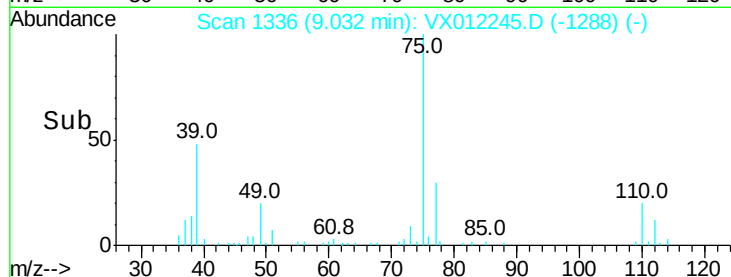
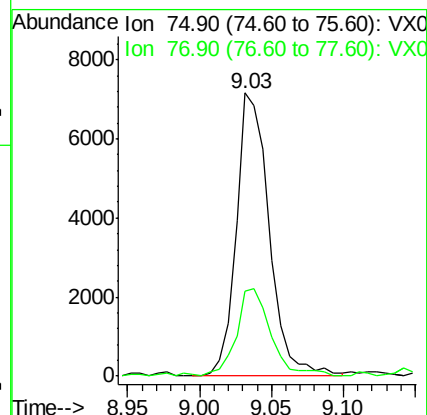
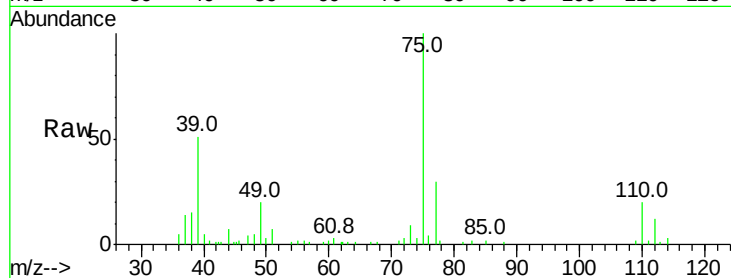




#53
 t-1,3-Dichloropropene
 Concen: 4.112 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

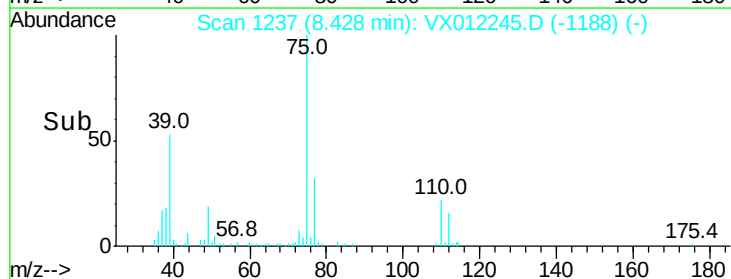
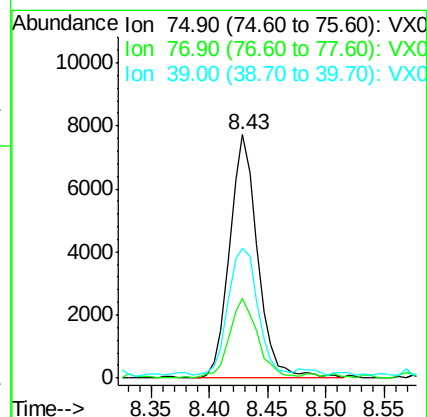
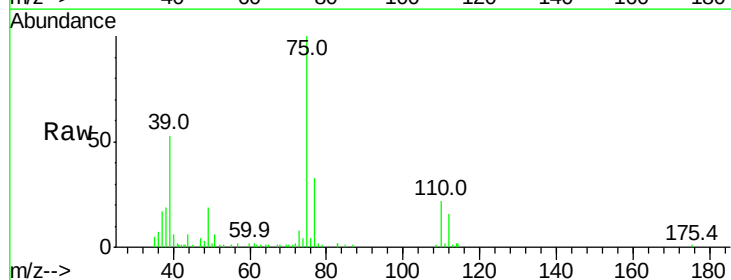
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

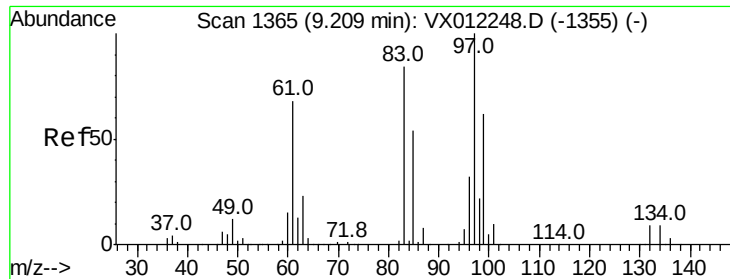
Tgt Ion: 75 Resp: 11446
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.255 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 75 Resp: 12920
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2
 39 52.3 46.5 69.7



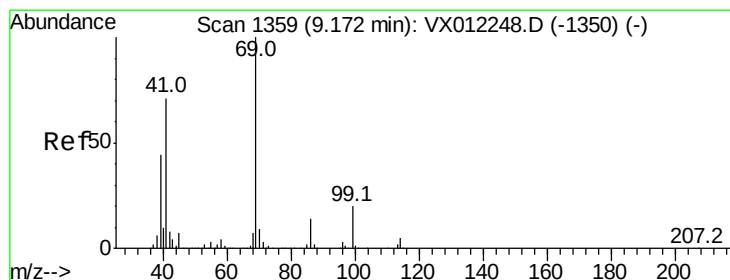
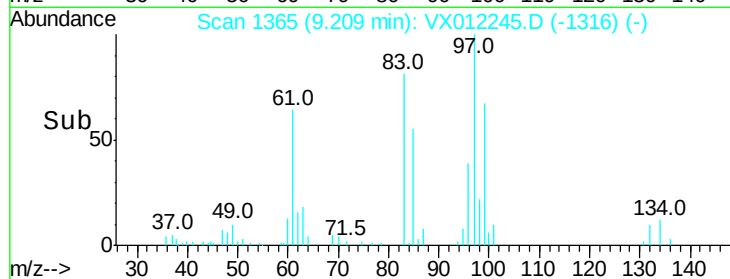
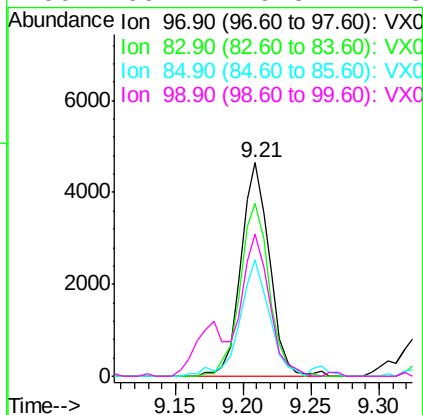
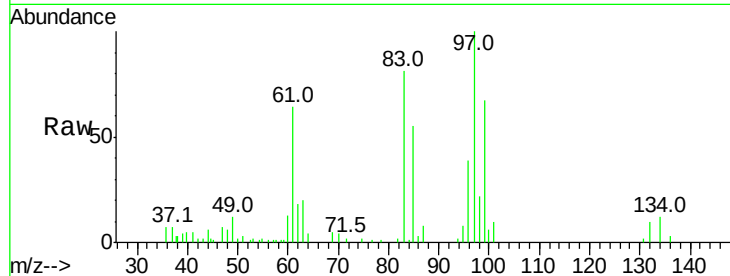


#55
 1,1,2-Trichloroethane
 Concen: 4.309 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 6821

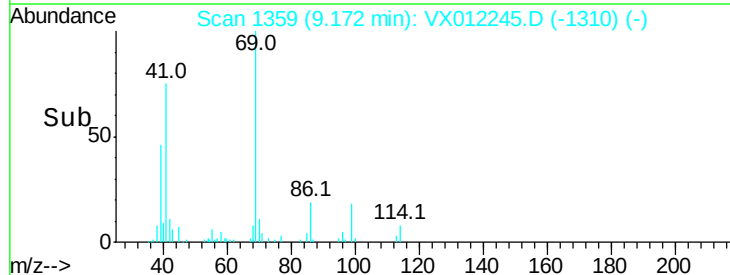
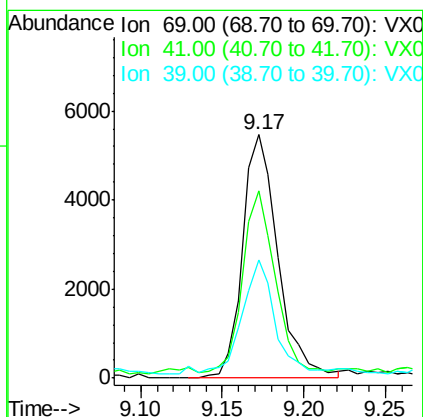
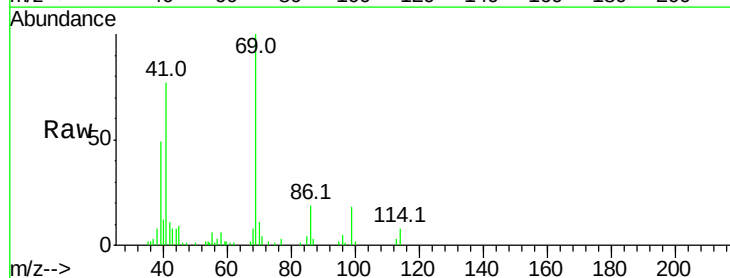
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.4	101.2
85	53.4	43.4	65.2
99	65.2	49.8	74.6

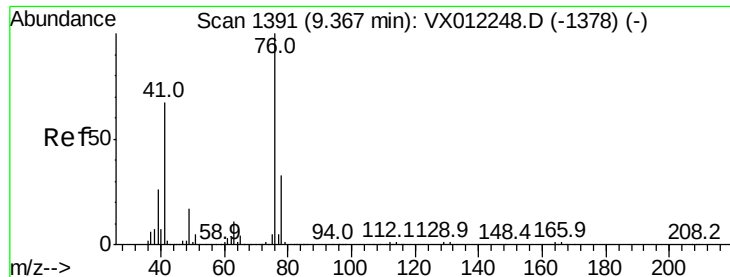


#56
 Ethyl methacrylate
 Concen: 3.736 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 69 Resp: 8269

Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.7	86.5
39	41.3	34.0	51.0





#57

1,3-Dichloropropane

Concen: 4.232 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

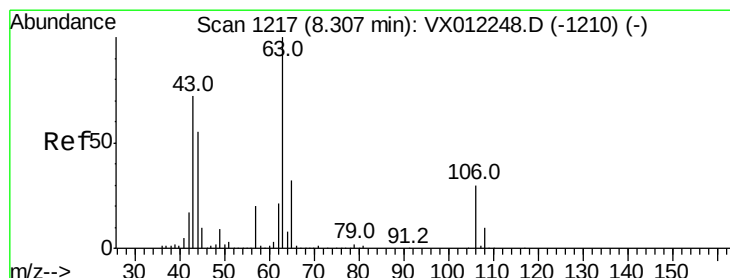
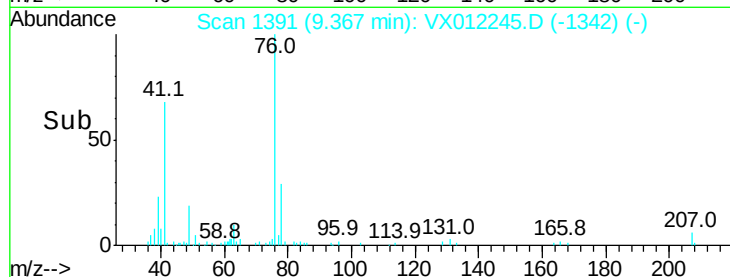
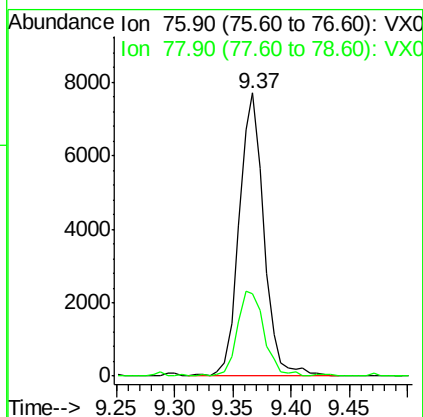
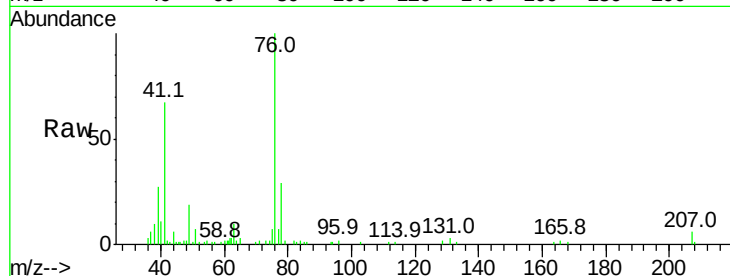
VSTDIC005

Tgt Ion: 76 Resp: 11452

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 21.906 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012245.D

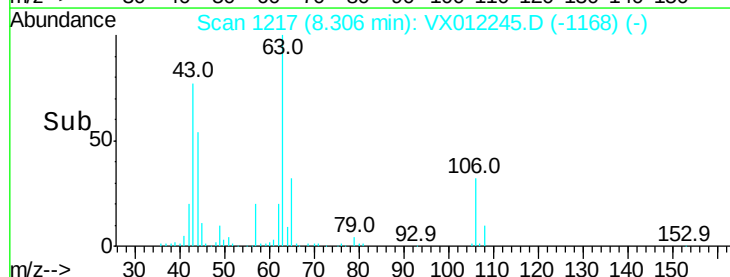
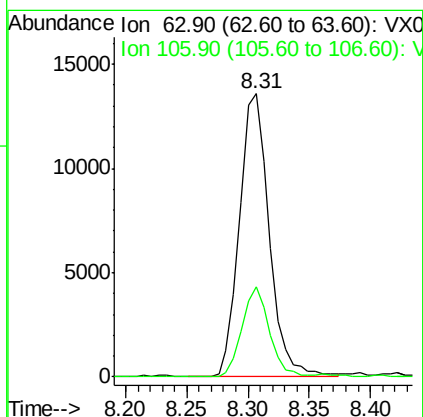
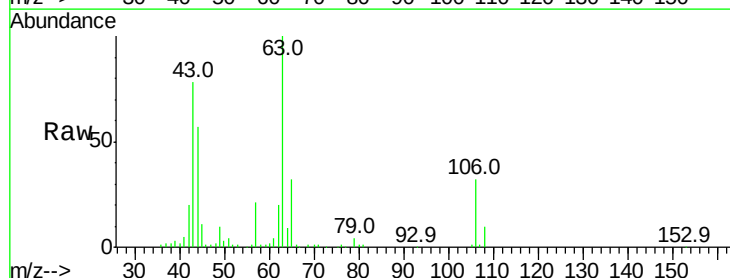
Acq: 10 Sep 2019 09:06

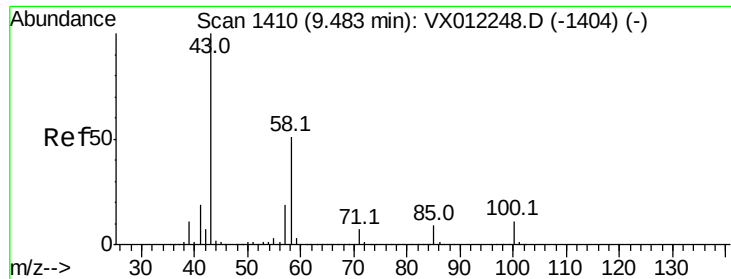
Tgt Ion: 63 Resp: 23022

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2

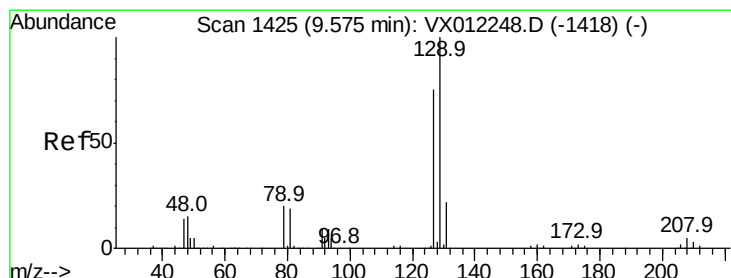
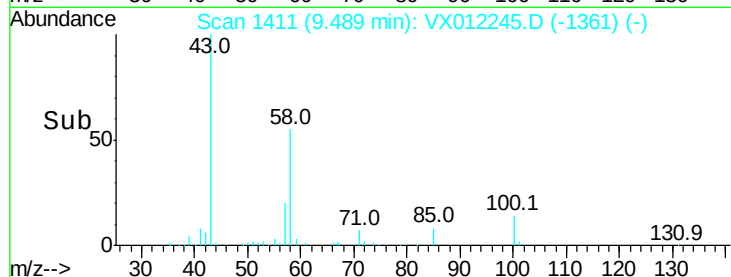
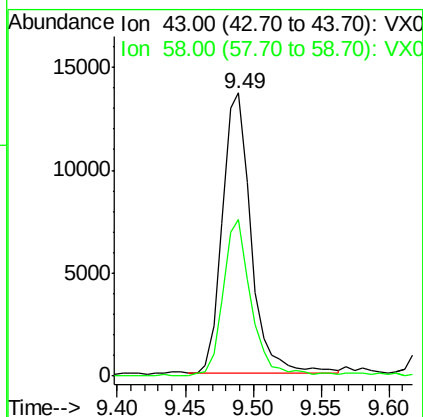
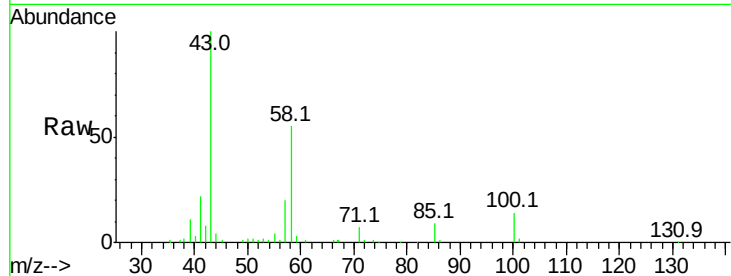




#59
2-Hexanone
Concen: 18.365 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

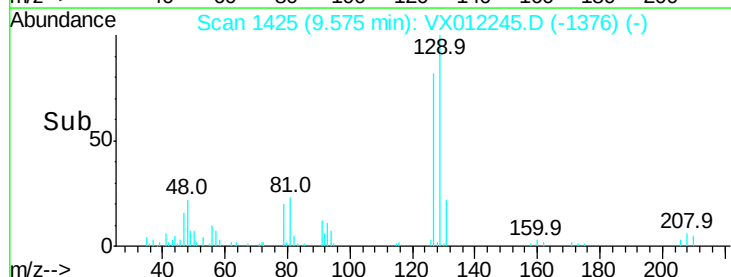
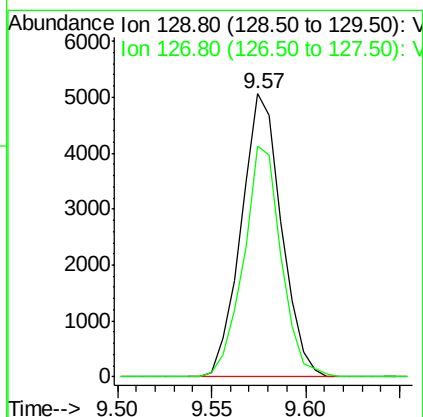
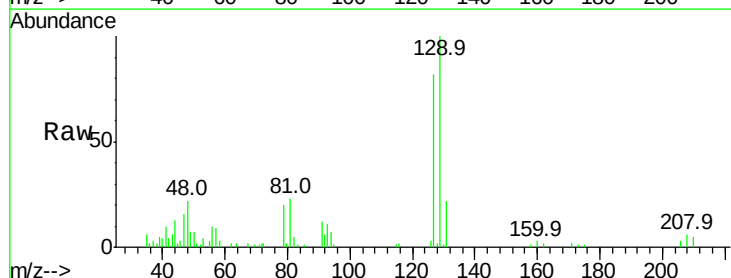
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

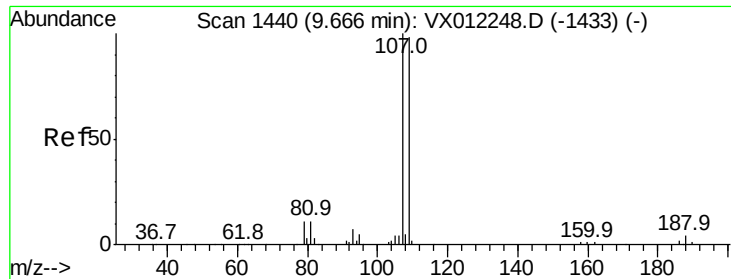
Tgt Ion: 43 Resp: 19881
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3



#60
Dibromochloromethane
Concen: 3.979 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 129 Resp: 7472
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 4.274 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

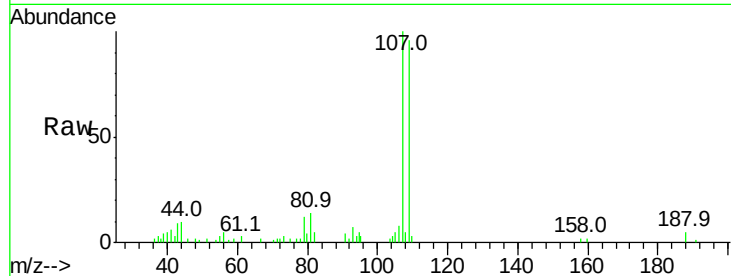
VSTDIC005

Tgt Ion: 107 Resp: 6308

Ion Ratio Lower Upper

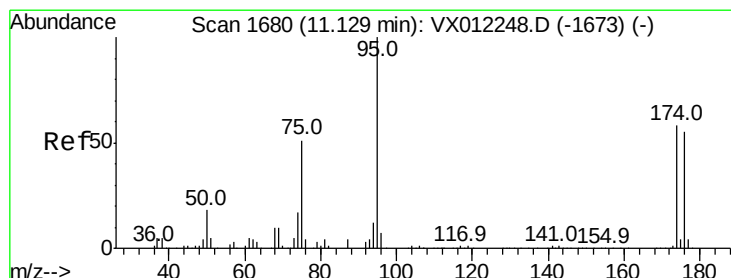
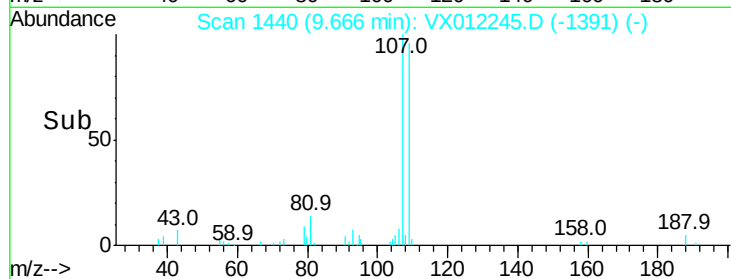
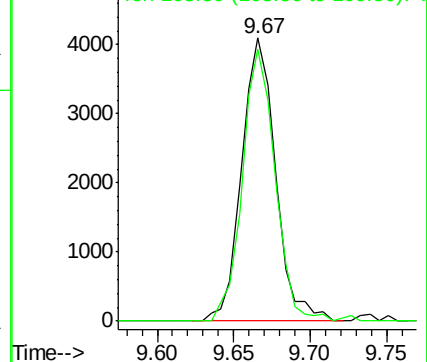
107 100

109 92.4 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.532 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

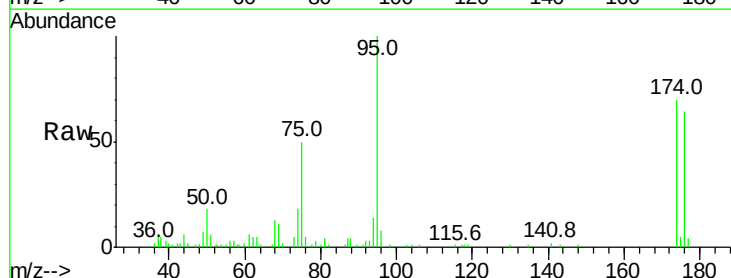
Tgt Ion: 95 Resp: 13723

Ion Ratio Lower Upper

95 100

174 63.5 0.0 127.0

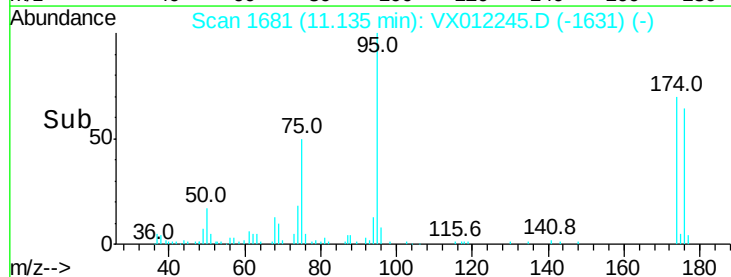
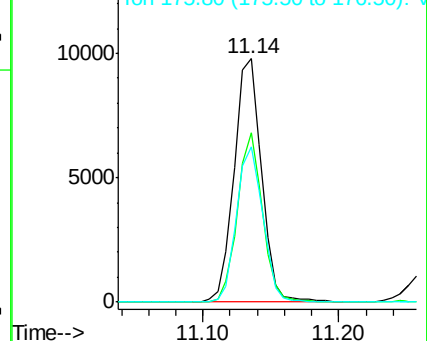
176 61.1 0.0 125.8

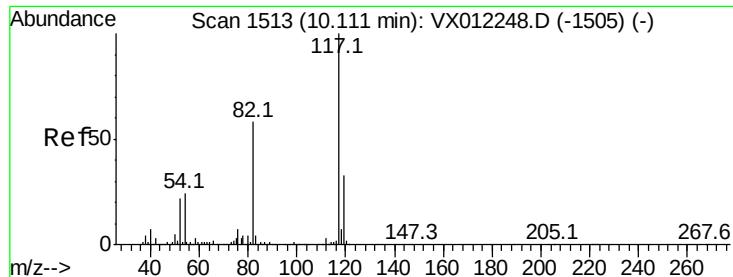


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

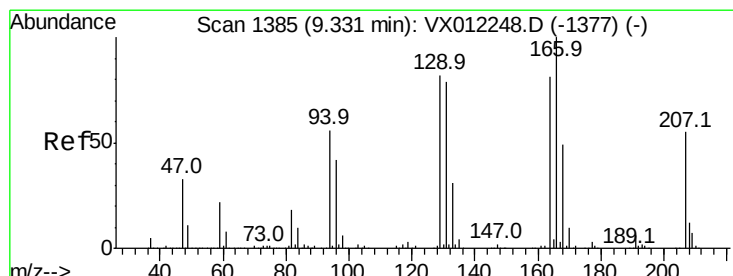
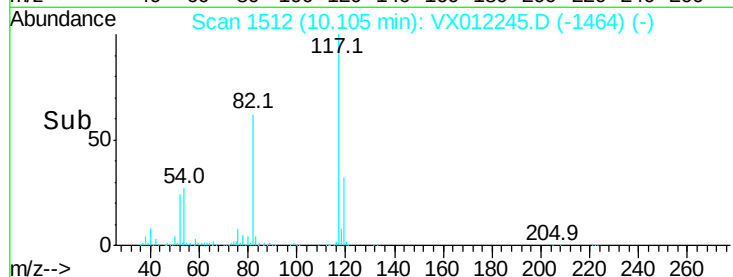
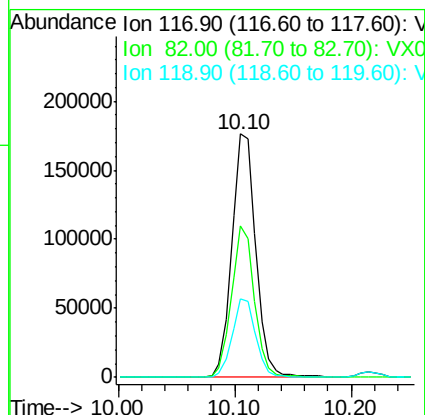
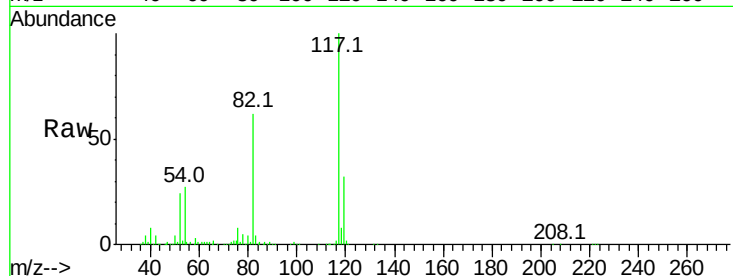




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

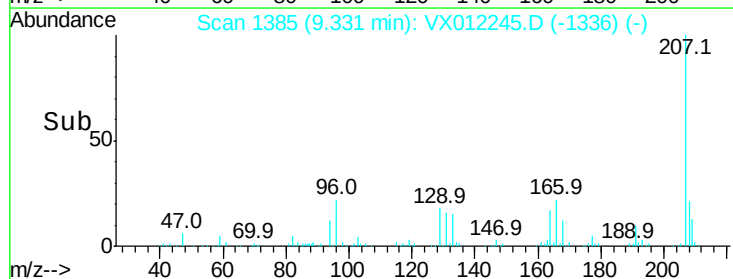
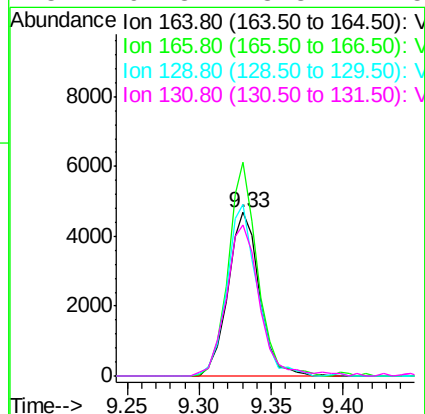
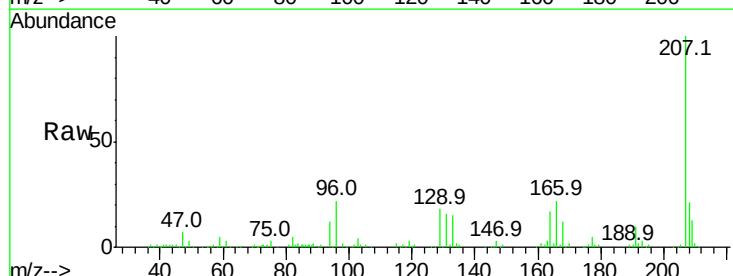
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

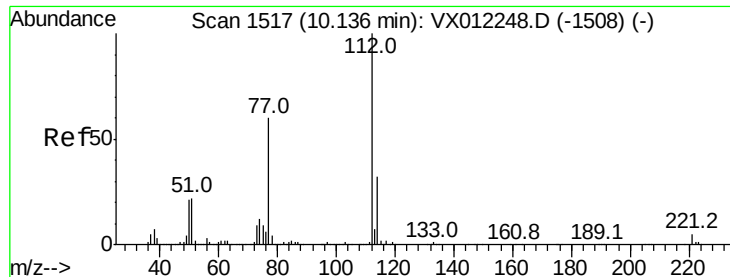
Tgt Ion:117 Resp: 253370
Ion Ratio Lower Upper
117 100
82 62.0 46.4 69.6
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 5.071 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion:164 Resp: 7170
Ion Ratio Lower Upper
164 100
166 130.4 99.4 149.0
129 104.8 81.8 122.8
131 92.3 78.3 117.5





#65

Chlorobenzene

Concen: 4.605 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

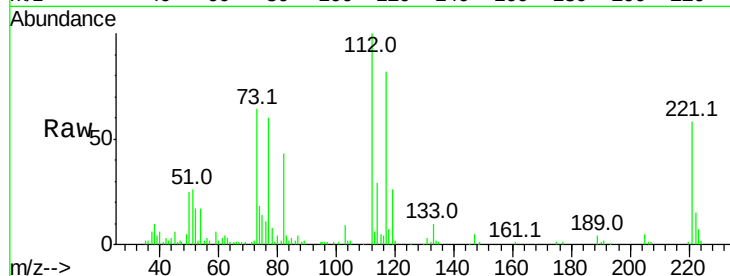
VSTDIC005

Tgt Ion:112 Resp: 23363

Ion Ratio Lower Upper

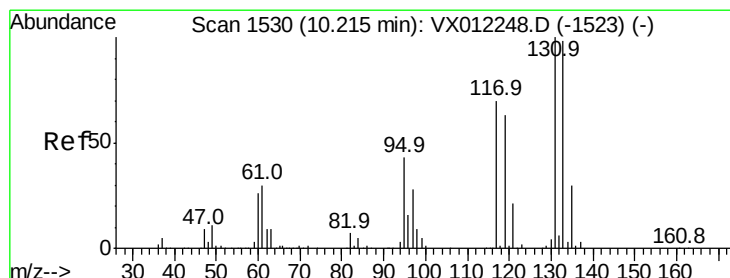
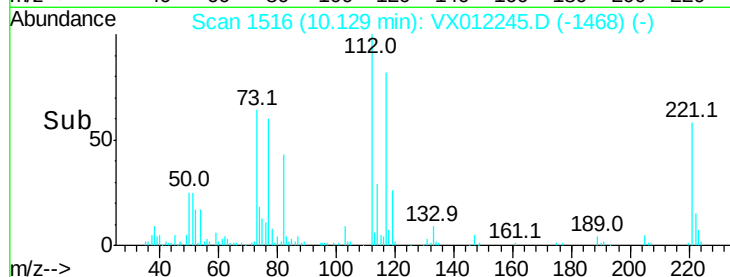
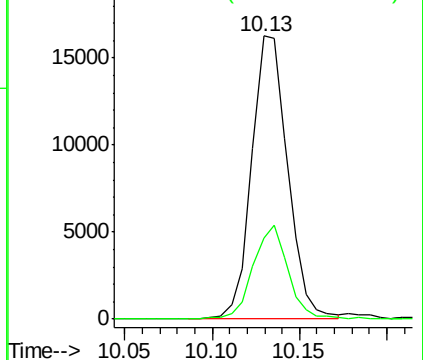
112 100

114 28.7 25.4 38.0



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: 4.118 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

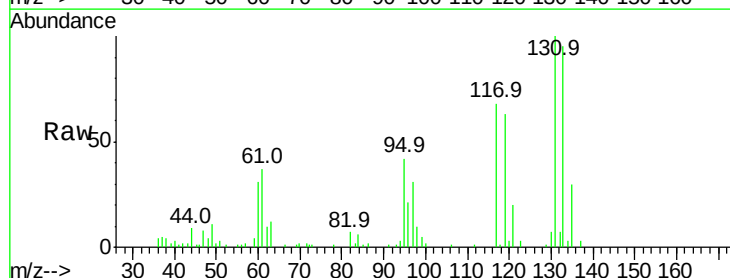
Tgt Ion:131 Resp: 8000

Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.2

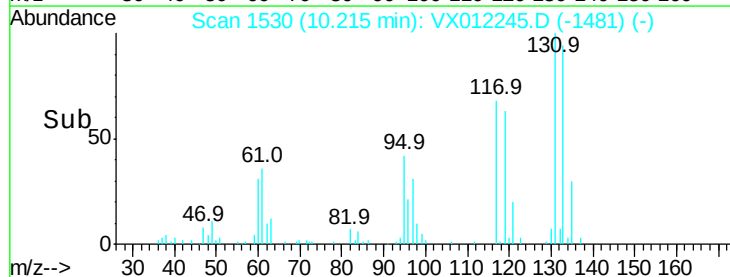
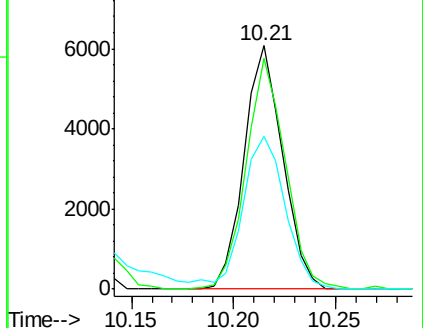
119 69.4 31.6 95.0

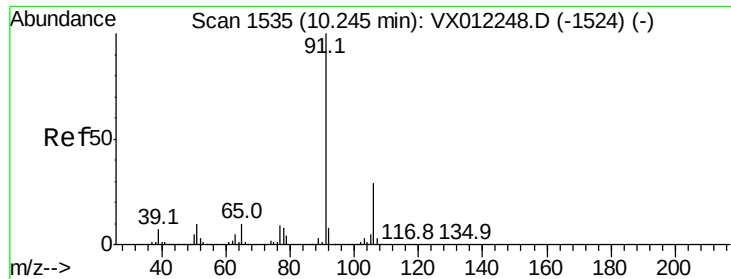


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

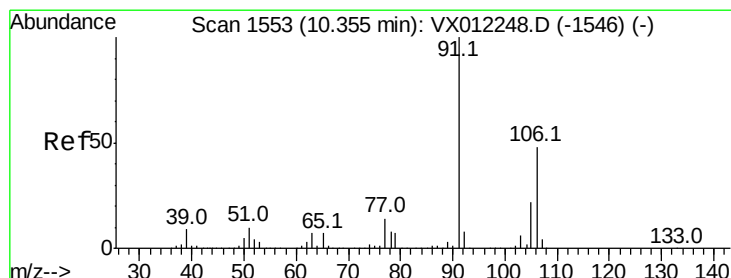
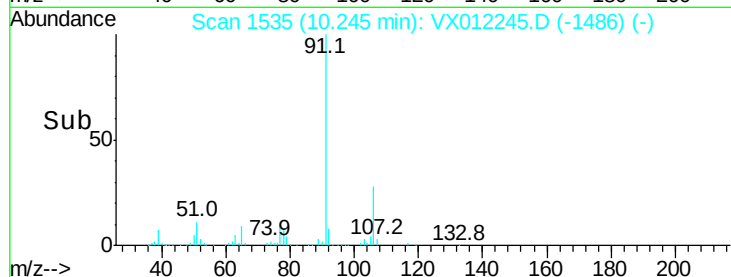
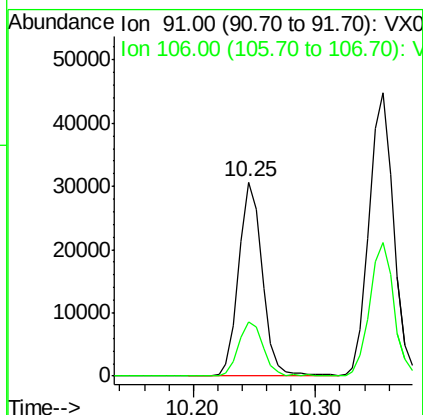
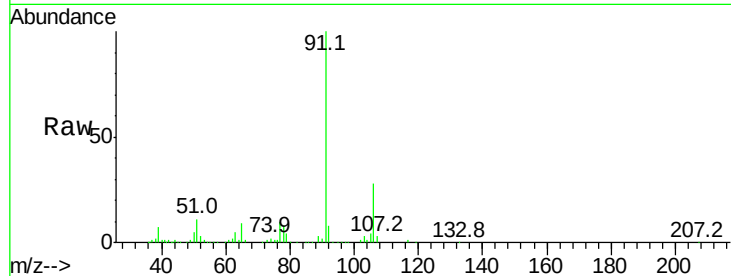




#67
Ethyl Benzene
Concen: 4.604 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

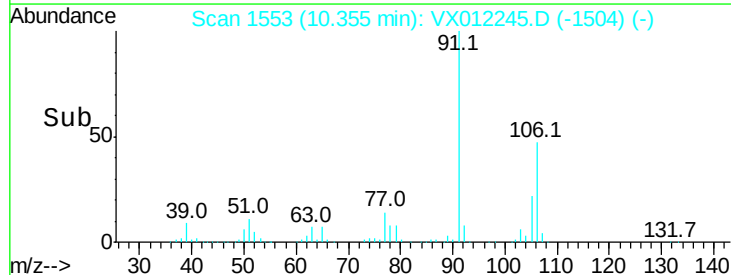
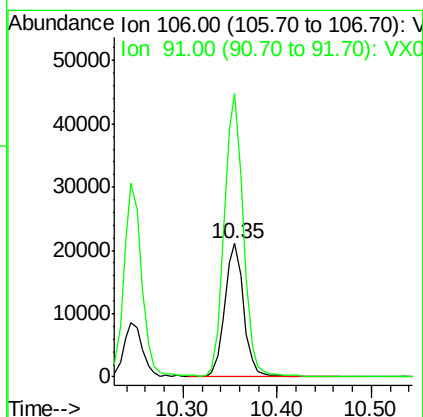
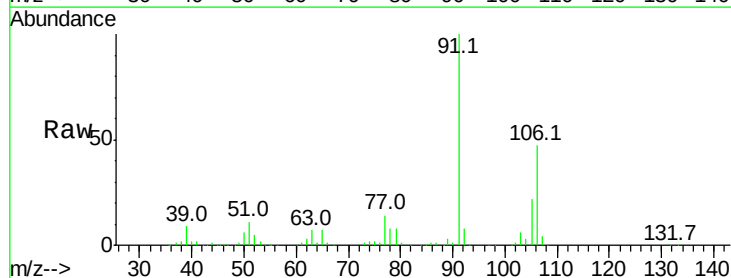
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

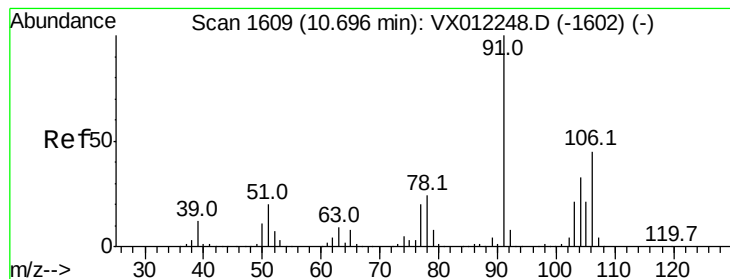
Tgt Ion: 91 Resp: 40978
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#68
m/p-Xylenes
Concen: 8.990 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 106 Resp: 29509
Ion Ratio Lower Upper
106 100
91 213.2 167.0 250.6





#69

o-Xylene

Concen: 4.512 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampled :

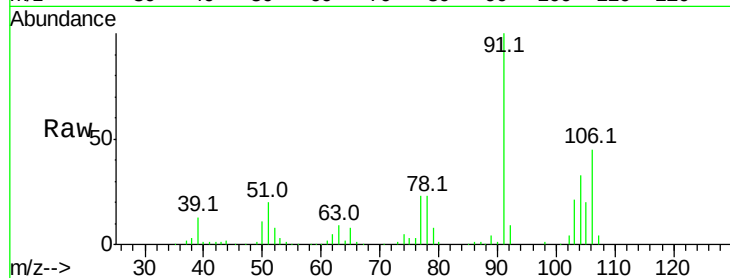
VSTDIC005

Tgt Ion:106 Resp: 14450

Ion Ratio Lower Upper

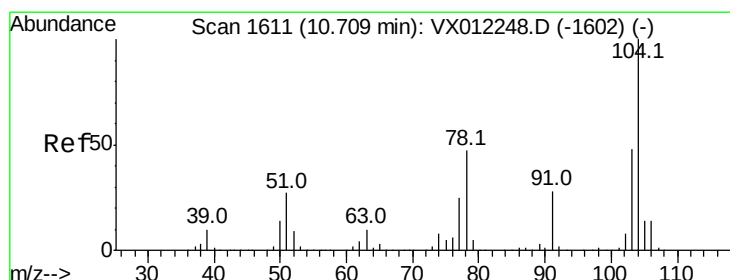
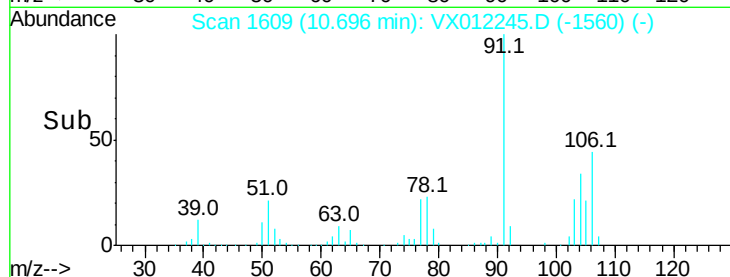
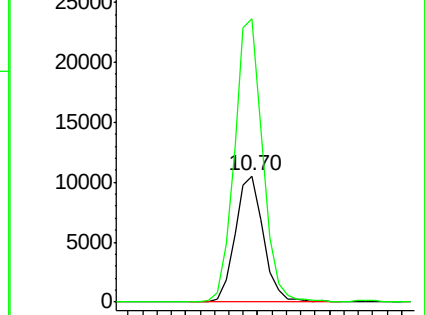
106 100

91 223.5 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 4.375 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

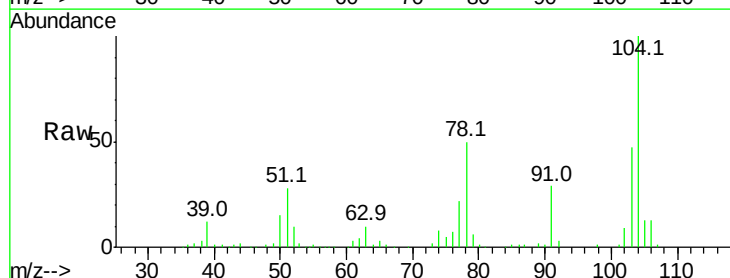
Tgt Ion:104 Resp: 25196

Ion Ratio Lower Upper

104 100

78 55.9 44.2 66.2

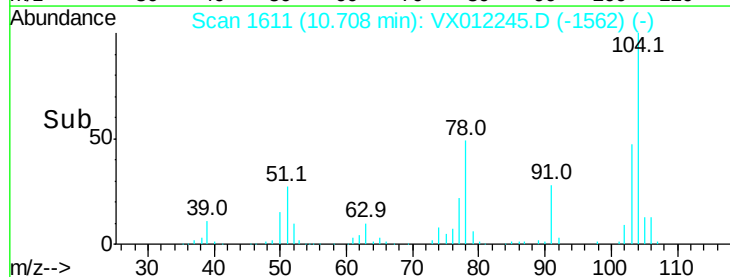
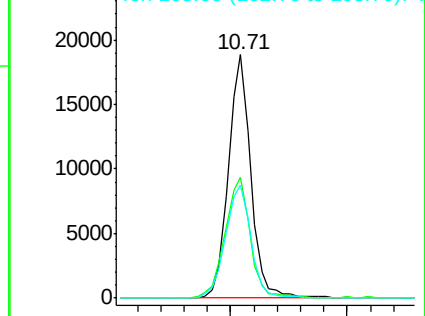
103 52.4 42.5 63.7

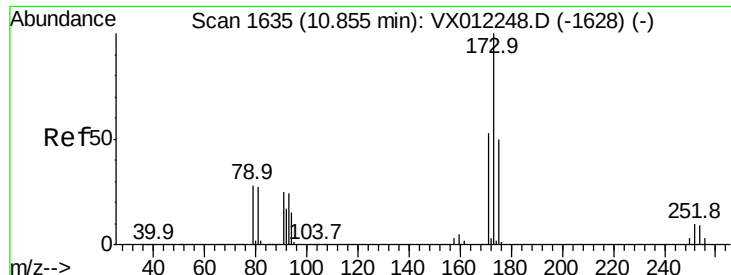


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.669 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

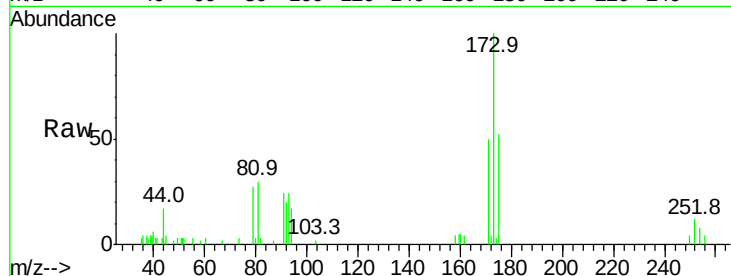
Tgt Ion:173 Resp: 3717

Ion Ratio Lower Upper

173 100

175 52.9 24.5 73.5

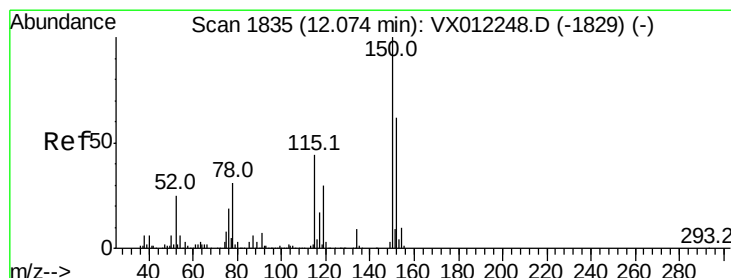
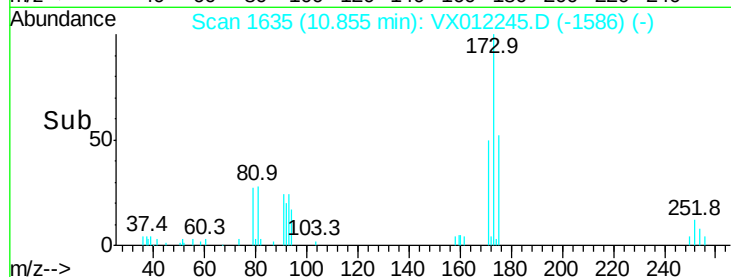
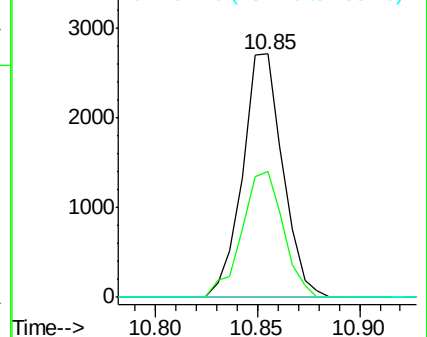
254 0.0 0.2 0.4#



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

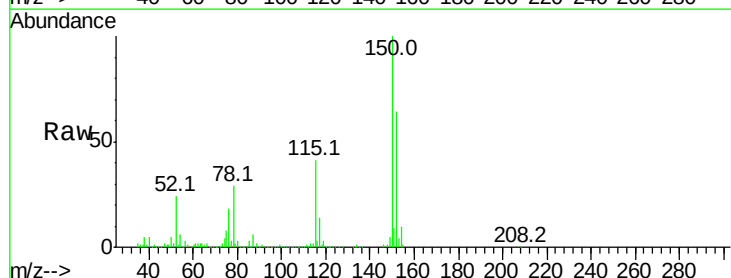
Tgt Ion:152 Resp: 125967

Ion Ratio Lower Upper

152 100

115 66.6 45.5 136.4

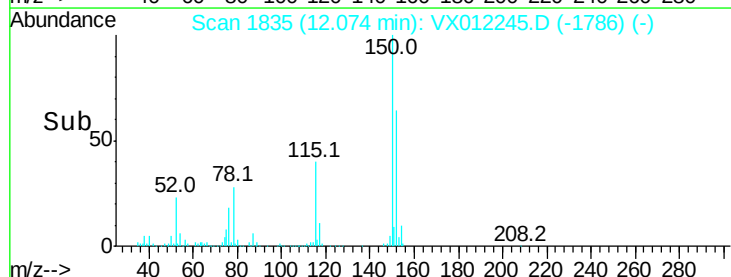
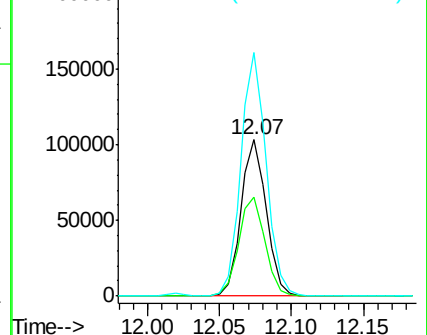
150 156.3 0.0 346.4

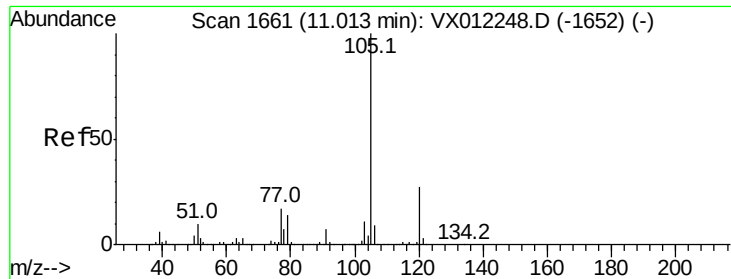


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

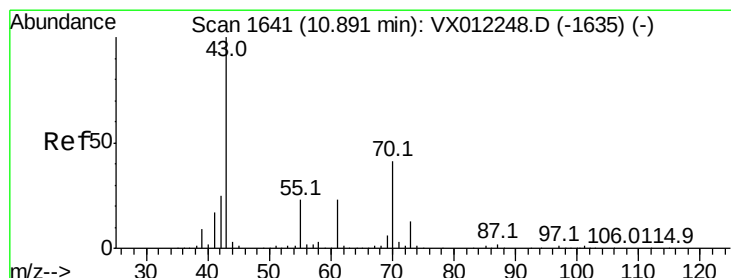
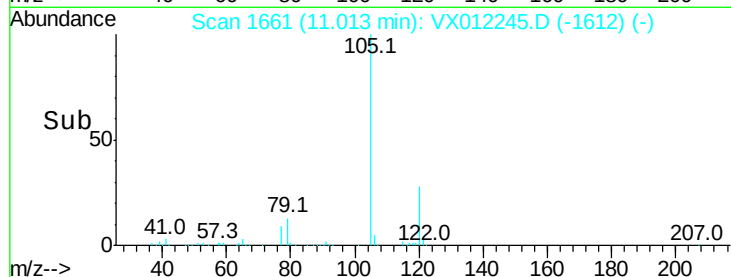
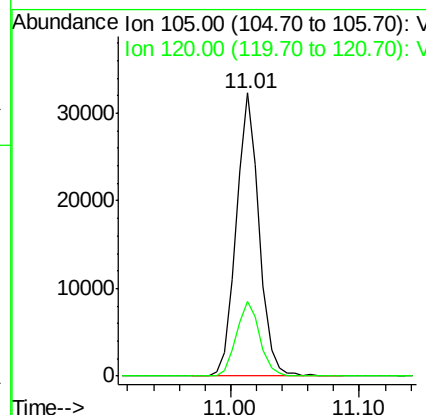
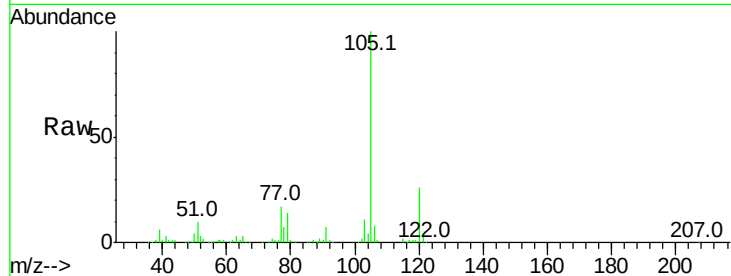




#73
Isopropylbenzene
Concen: 4.444 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

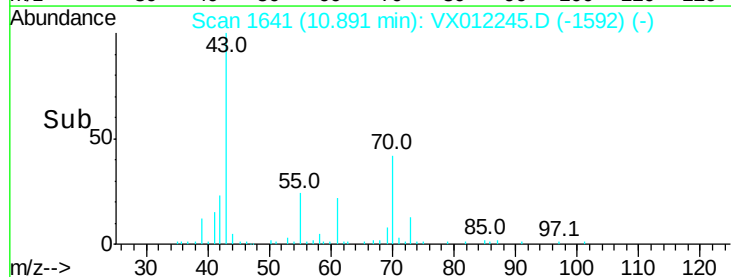
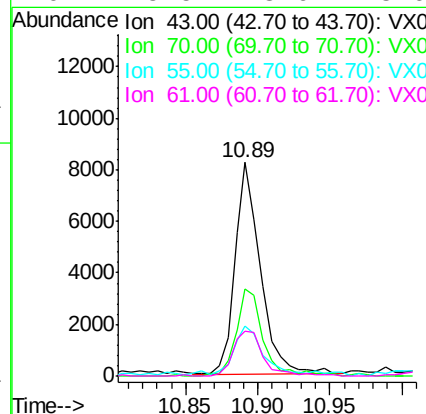
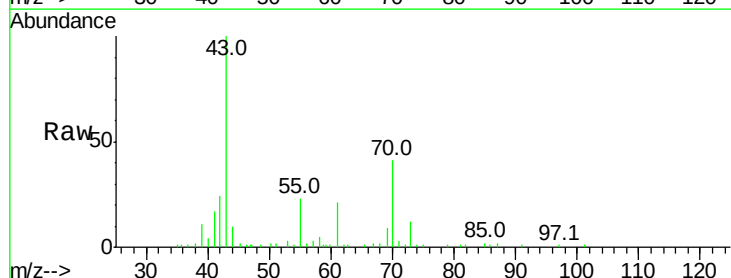
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

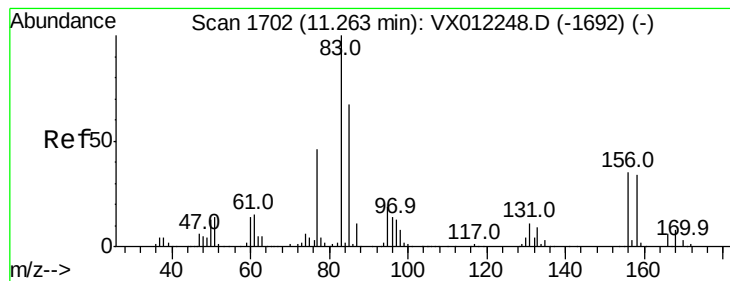
Tgt Ion: 105 Resp: 40120
Ion Ratio Lower Upper
105 100
120 26.9 13.2 39.5



#74
N-amyl acetate
Concen: 3.559 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 43 Resp: 10284
Ion Ratio Lower Upper
43 100
70 42.9 32.9 49.3
55 25.3 19.1 28.7
61 25.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.828 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

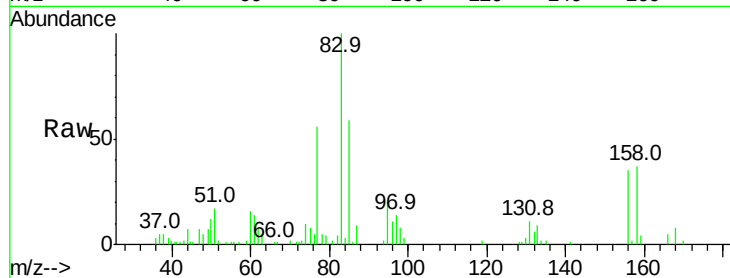
Tgt Ion: 83 Resp: 7768

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.4

85 65.1 32.8 98.4

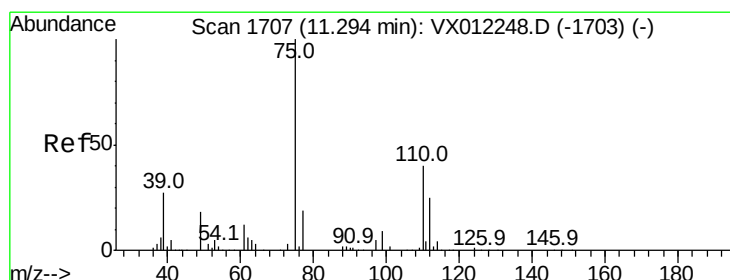
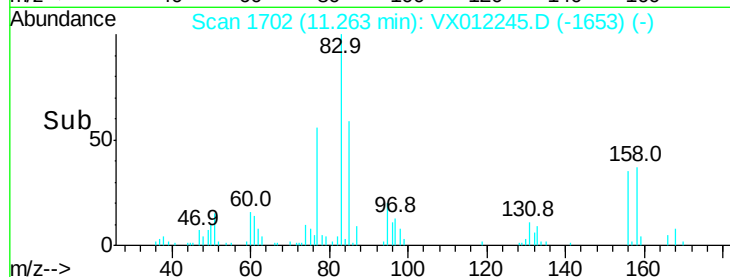


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 4.726 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012245.D

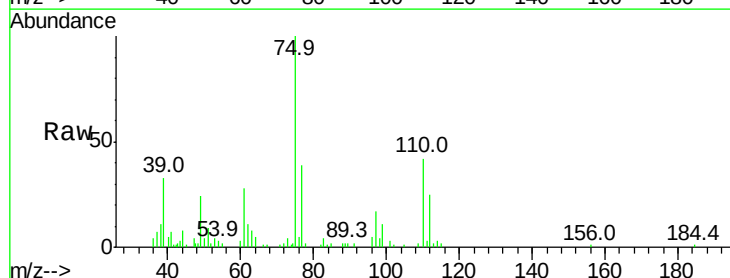
Acq: 10 Sep 2019 09:06

Tgt Ion: 75 Resp: 8318

Ion Ratio Lower Upper

75 100

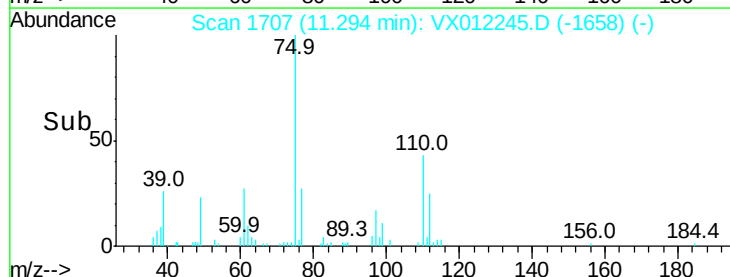
77 34.0 19.7 59.0

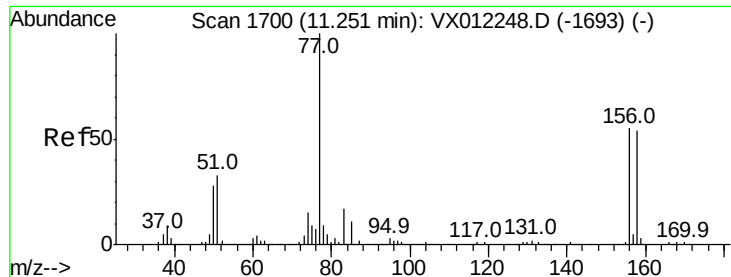


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#77

Bromobenzene

Concen: 4.090 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

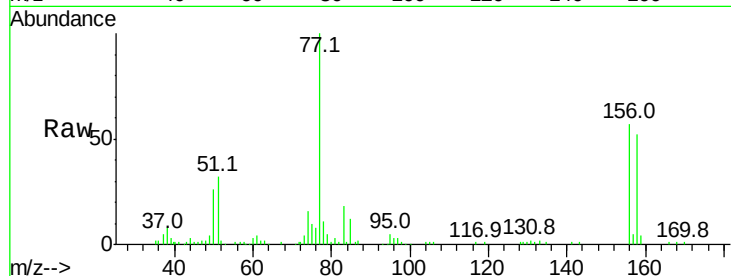
Tgt Ion:156 Resp: 8827

Ion Ratio Lower Upper

156 100

77 193.0 92.2 276.6

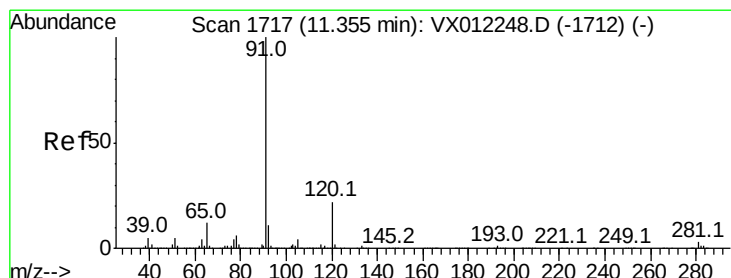
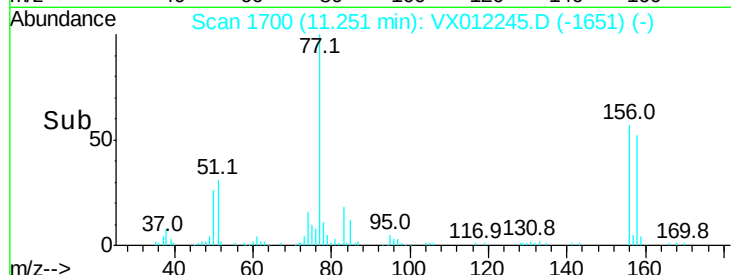
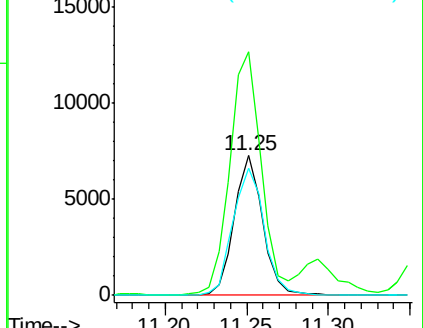
158 100.1 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.450 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012245.D

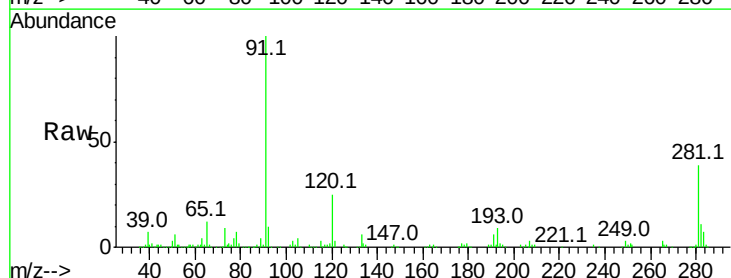
Acq: 10 Sep 2019 09:06

Tgt Ion: 91 Resp: 48351

Ion Ratio Lower Upper

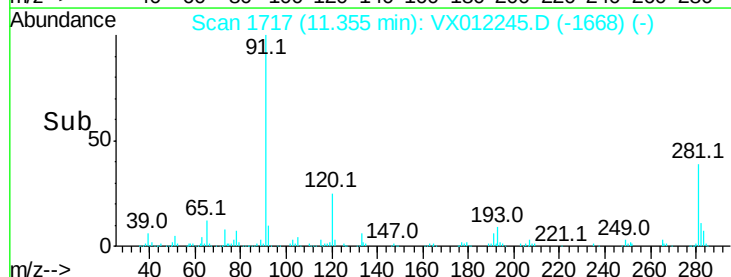
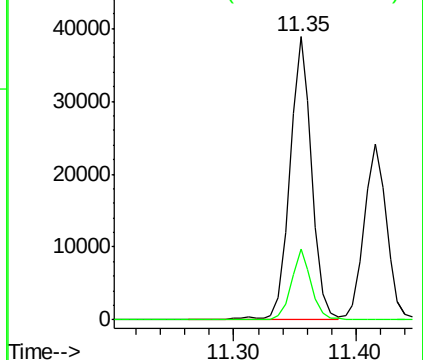
91 100

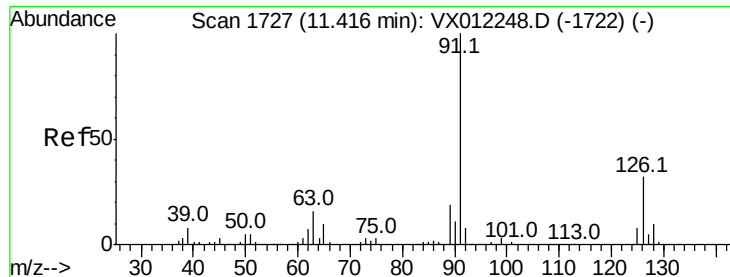
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.439 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

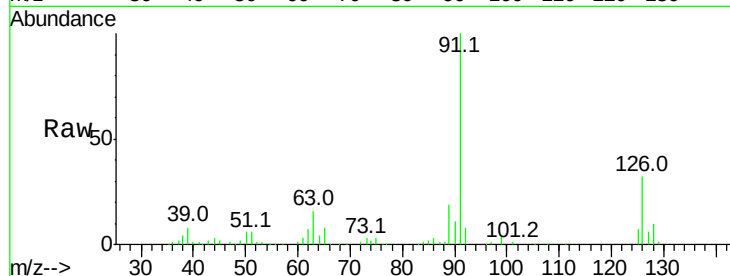
VSTDIC005

Tgt Ion: 91 Resp: 30109

Ion Ratio Lower Upper

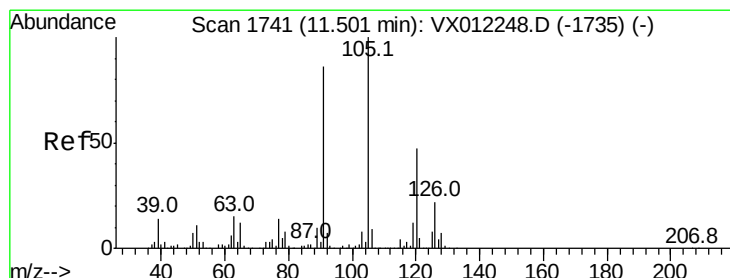
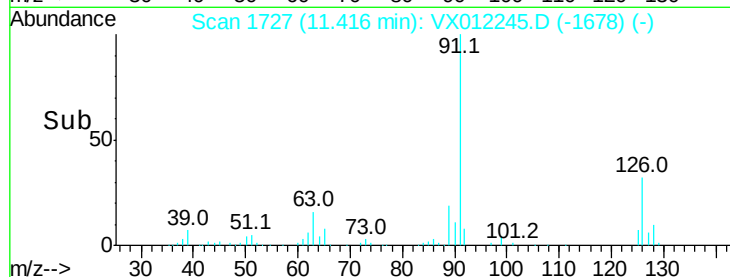
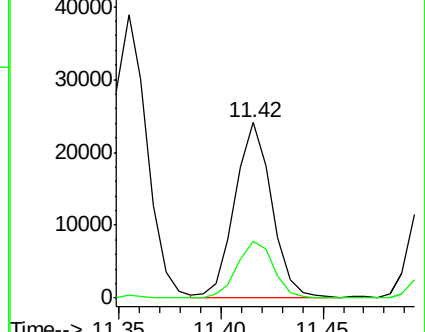
91 100

126 32.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX012248.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012248.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.438 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012245.D

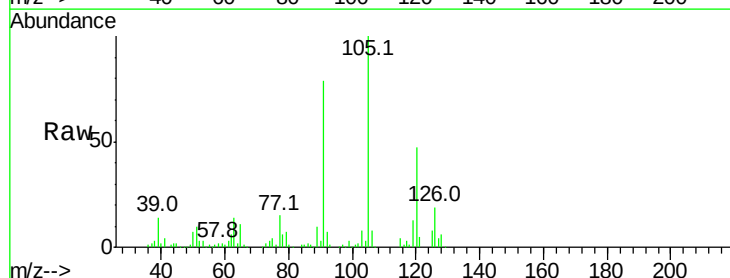
Acq: 10 Sep 2019 09:06

Tgt Ion: 105 Resp: 36268

Ion Ratio Lower Upper

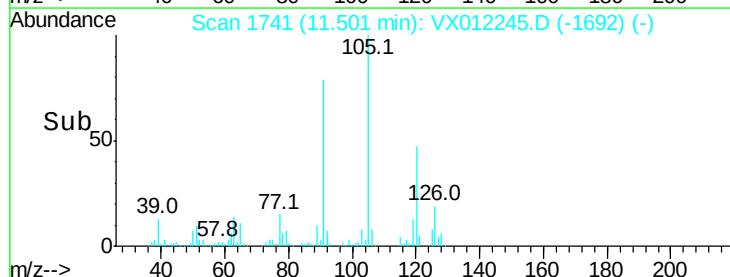
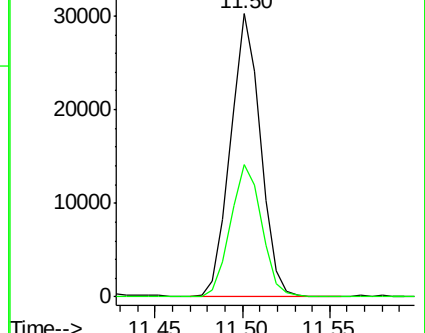
105 100

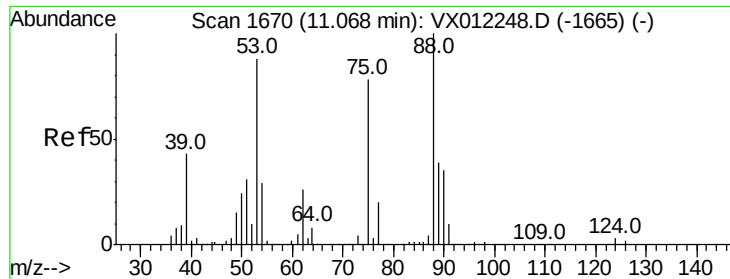
120 48.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VX012248.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012248.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.504 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

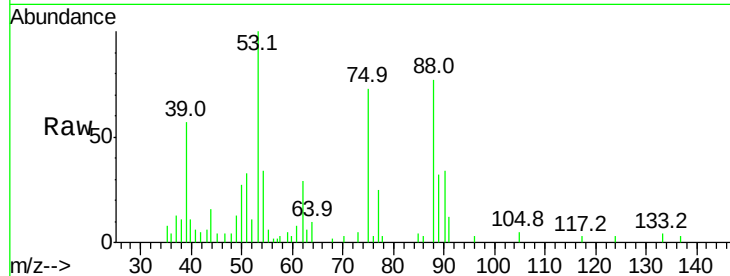
Tgt Ion: 75 Resp: 2233

Ion Ratio Lower Upper

75 100

53 127.5 88.1 132.1

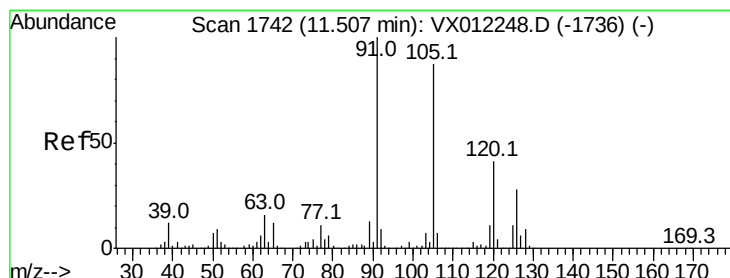
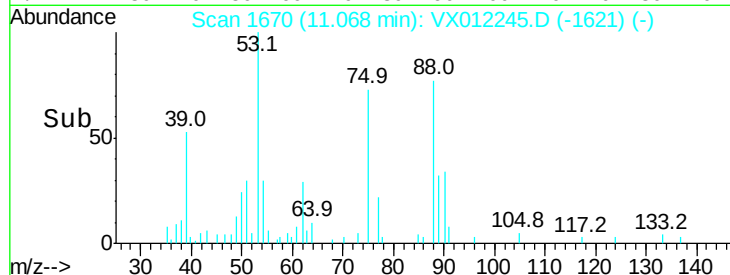
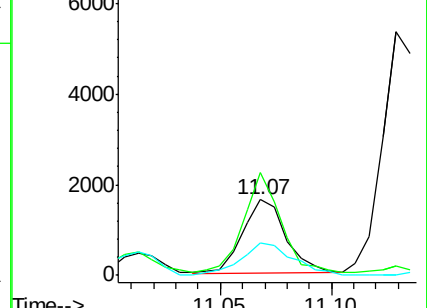
89 52.7 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 4.341 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012245.D

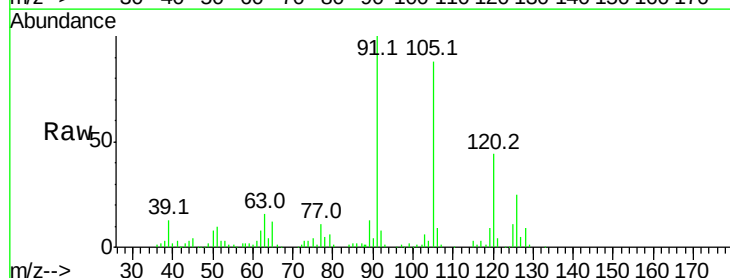
Acq: 10 Sep 2019 09:06

Tgt Ion: 91 Resp: 36044

Ion Ratio Lower Upper

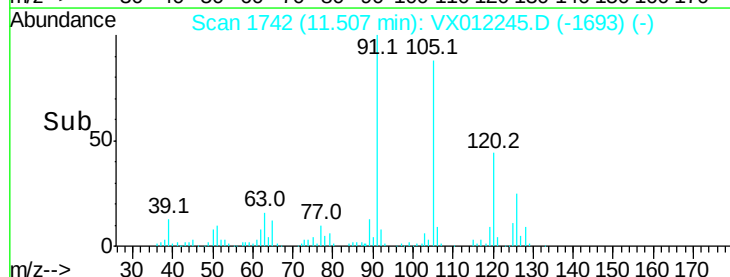
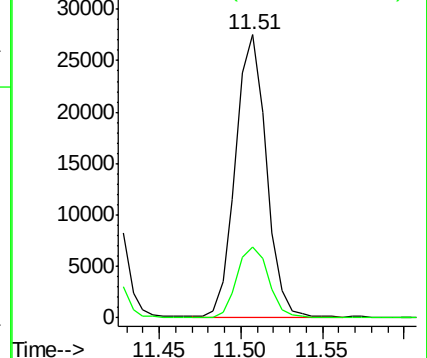
91 100

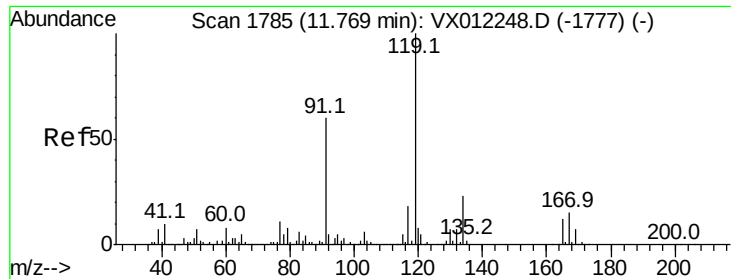
126 26.1 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

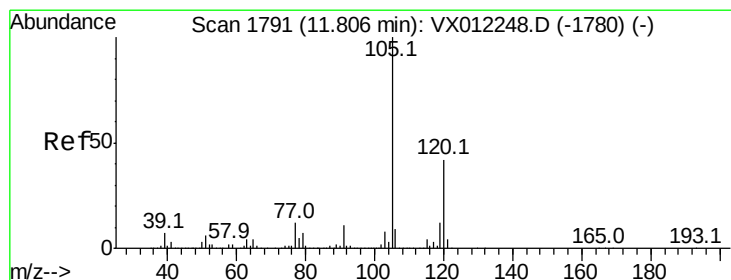
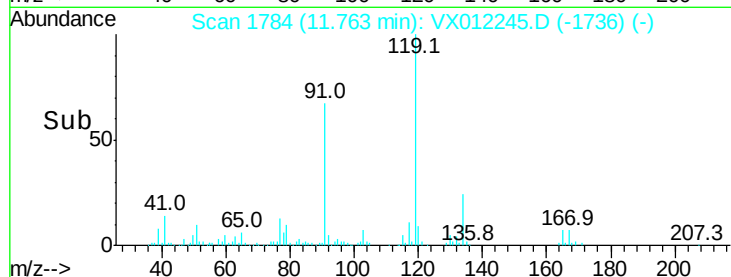
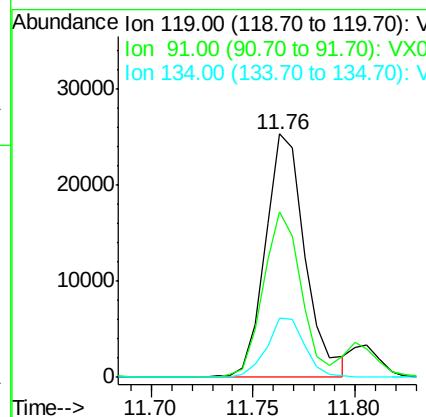
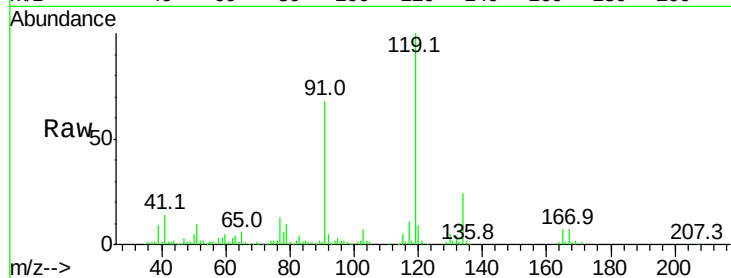




#83
tert-Butylbenzene
Concen: 4.344 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

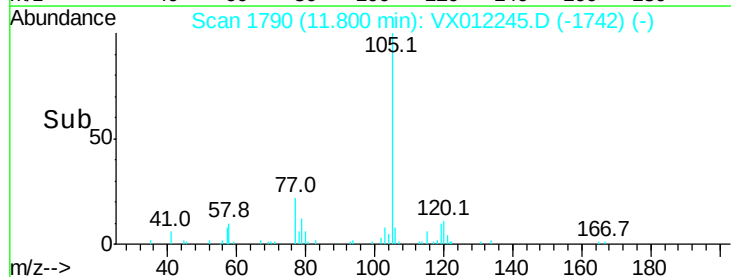
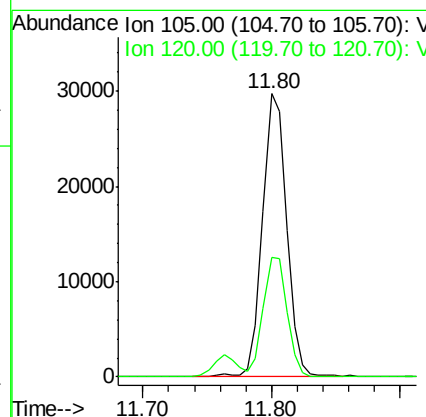
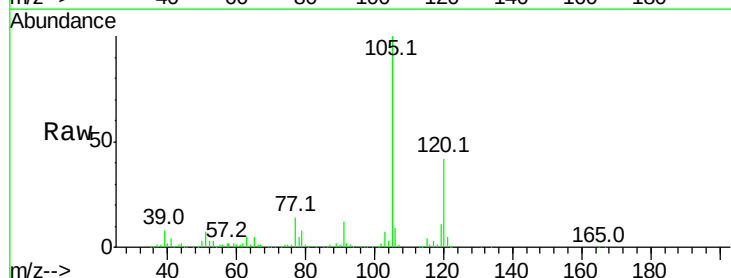
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

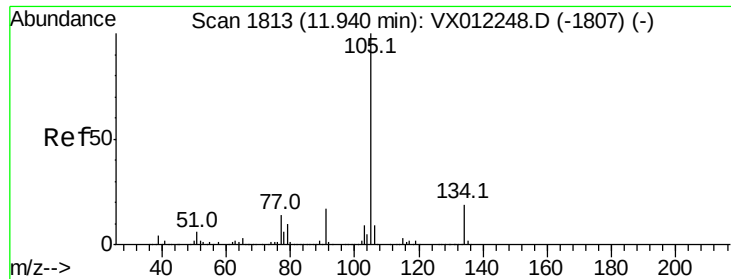
Tgt Ion:119 Resp: 34421
Ion Ratio Lower Upper
119 100
91 64.5 30.9 92.8
134 23.3 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 4.544 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion:105 Resp: 38412
Ion Ratio Lower Upper
105 100
120 41.5 21.3 63.9

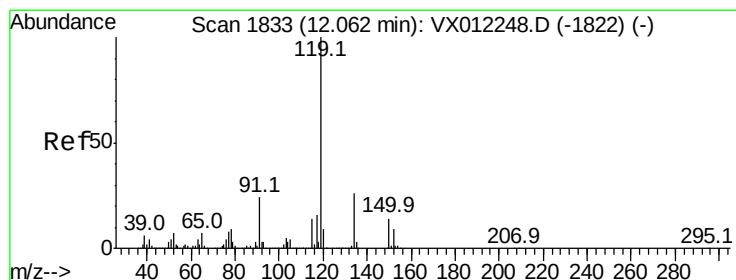
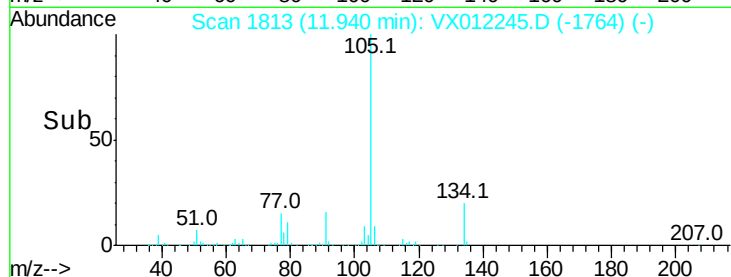
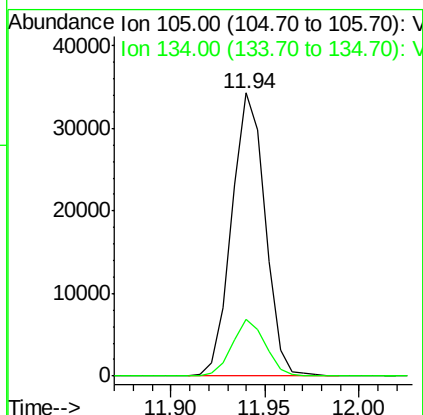
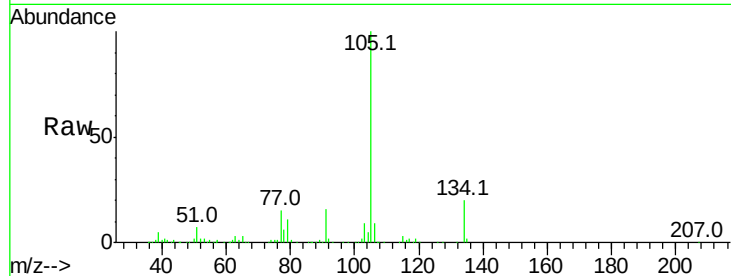




#85
 sec-Butylbenzene
 Concen: 4.536 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

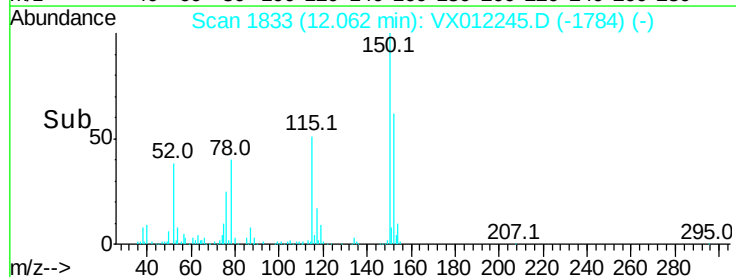
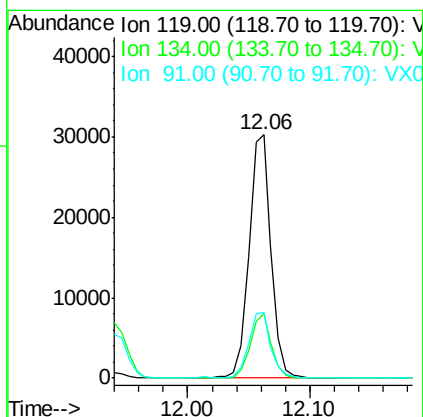
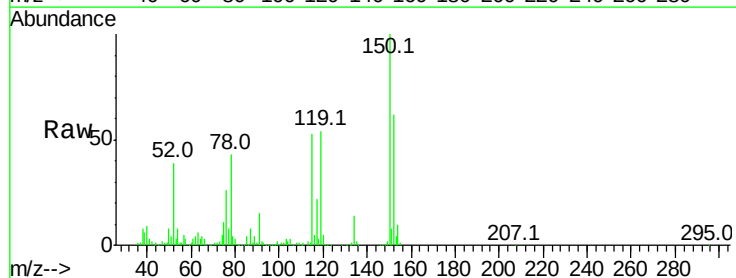
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

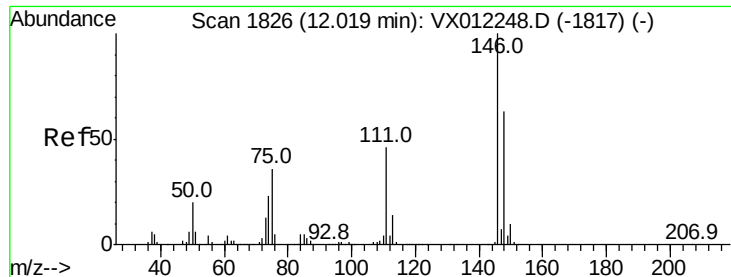
Tgt Ion:105 Resp: 42245
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.362 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion:119 Resp: 37668
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 27.8 13.1 39.1

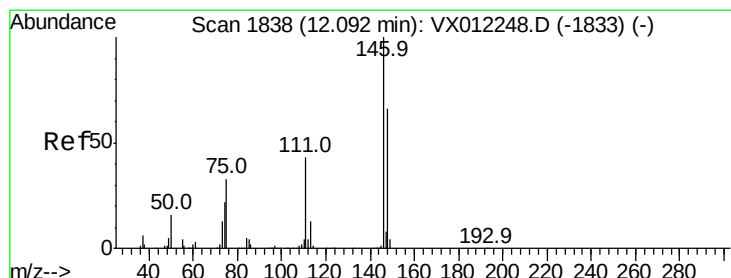
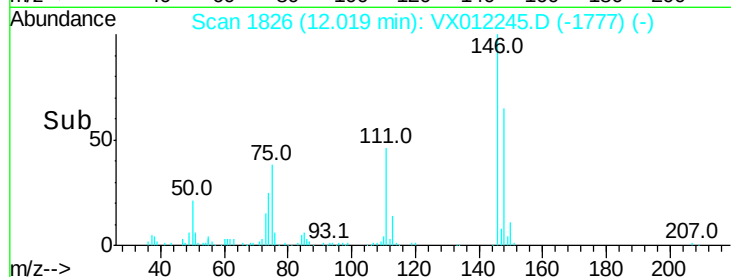
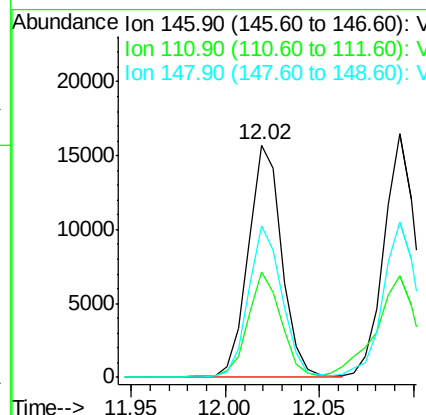
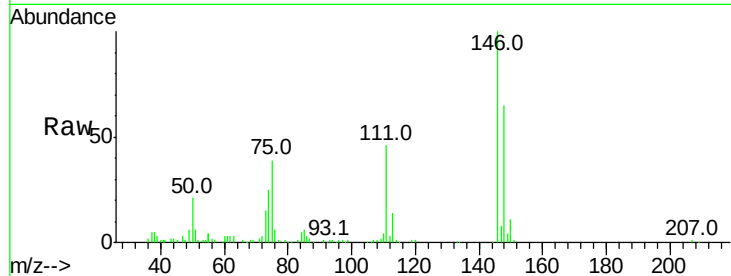




#87
 1,3-Dichlorobenzene
 Concen: 4.541 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

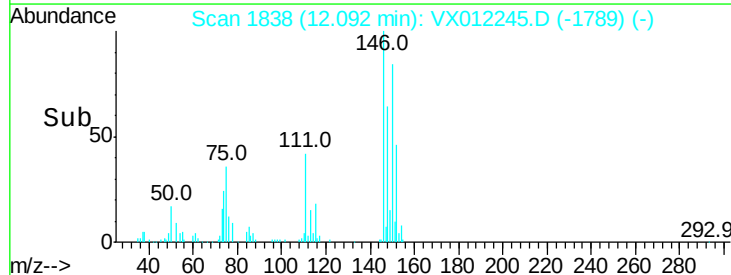
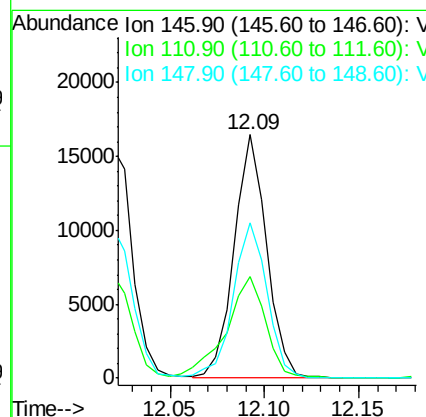
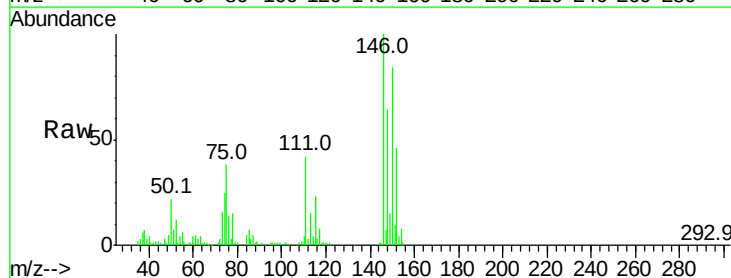
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

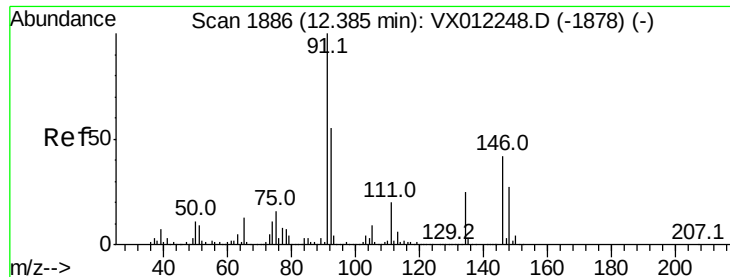
Tgt Ion:146 Resp: 19436
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.3 66.8
 148 65.1 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 4.609 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion:146 Resp: 19779
 Ion Ratio Lower Upper
 146 100
 111 51.2 21.6 64.8
 148 66.7 32.4 97.2





#89

n-Butylbenzene

Concen: 4.566 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

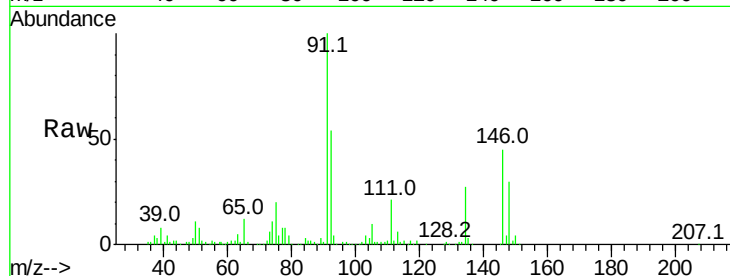
Tgt Ion: 91 Resp: 37829

Ion Ratio Lower Upper

91 100

92 53.6 27.6 82.7

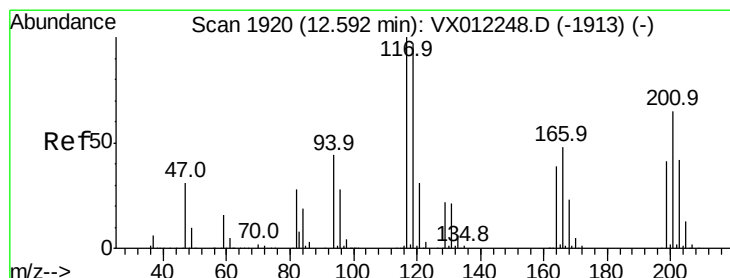
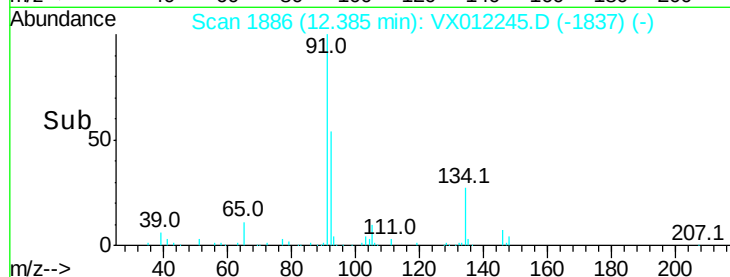
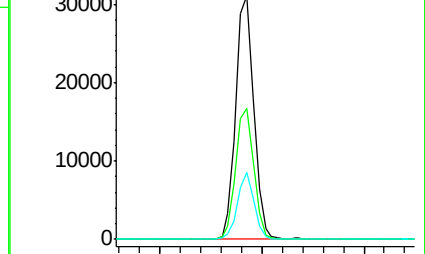
134 24.8 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX012248.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX012248.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX012248.D (-1878) (-)



#90

Hexachloroethane

Concen: 4.310 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012245.D

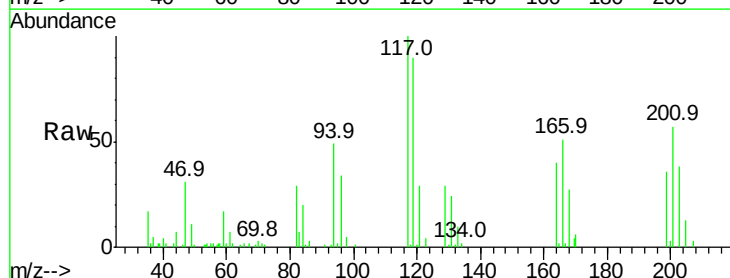
Acq: 10 Sep 2019 09:06

Tgt Ion: 117 Resp: 6825

Ion Ratio Lower Upper

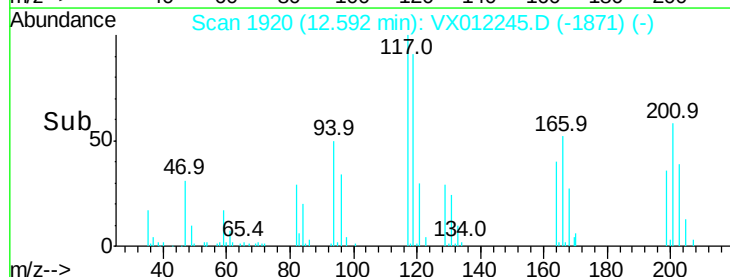
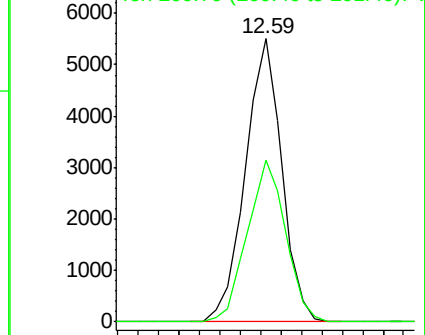
117 100

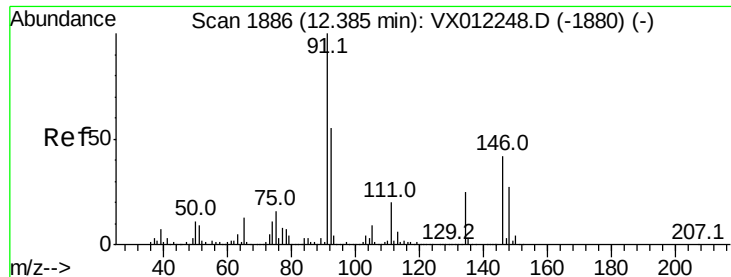
201 60.2 32.2 96.6



Abundance Ion 116.80 (116.50 to 117.50): VX012248.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012248.D (-1913) (-)

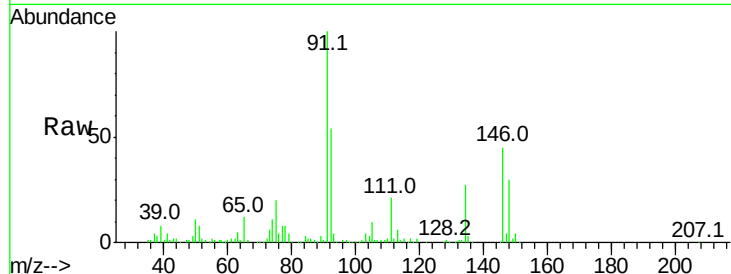




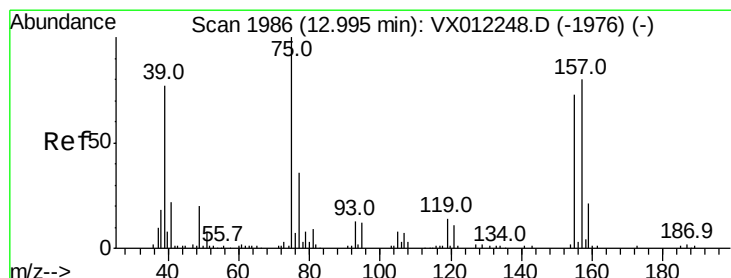
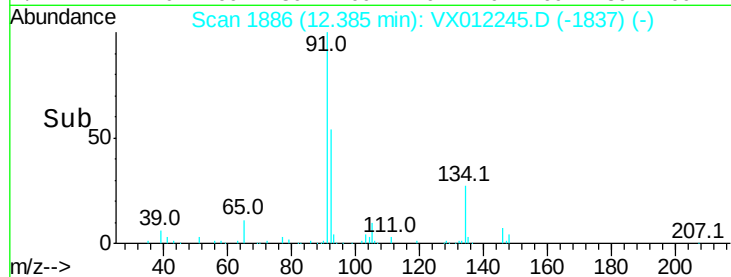
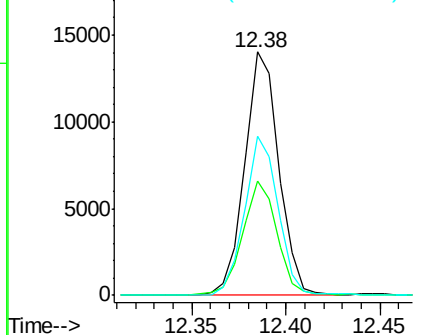
#91
 1,2-Dichlorobenzene
 Concen: 4.407 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 17648
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.2 69.6
 148 64.5 32.4 97.0

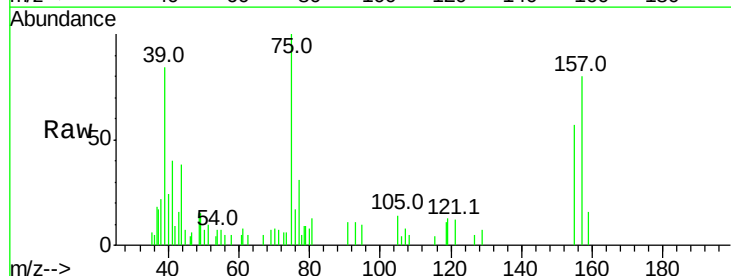


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

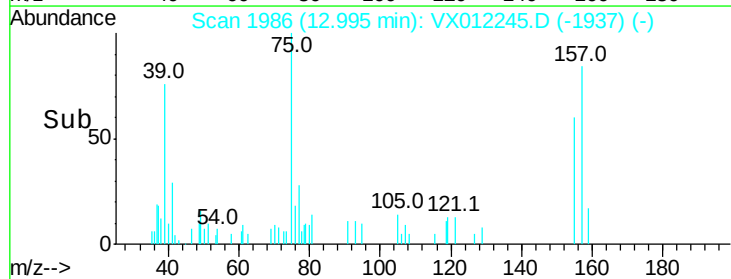
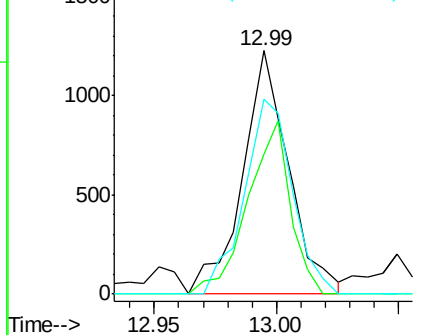


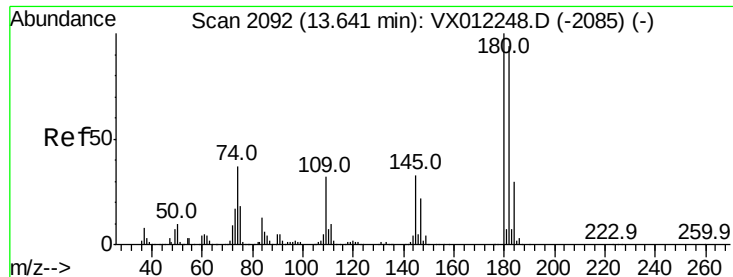
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.027 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 75 Resp: 1620
 Ion Ratio Lower Upper
 75 100
 155 65.4 35.3 105.7
 157 83.3 43.2 129.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

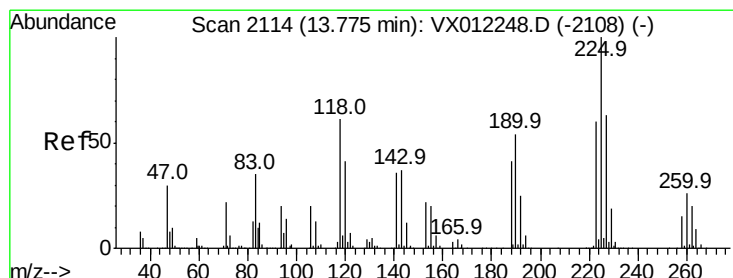
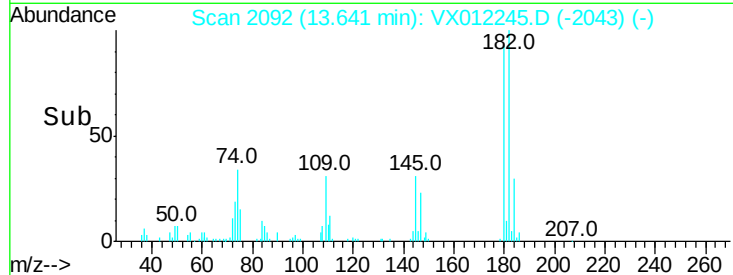
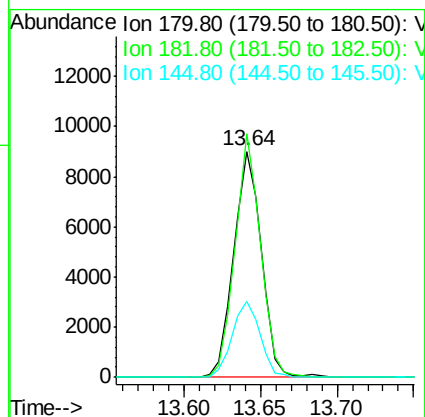
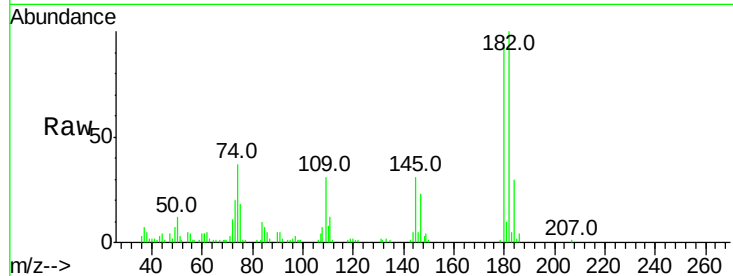




#93
 1,2,4-Trichlorobenzene
 Concen: 4.264 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

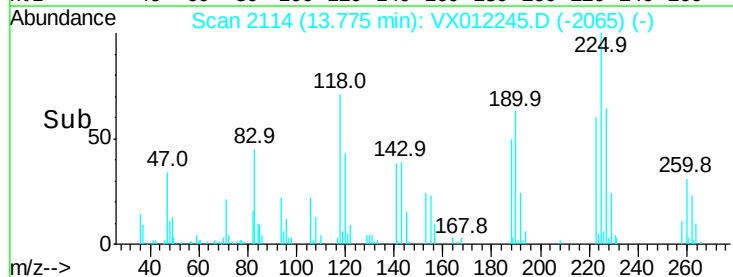
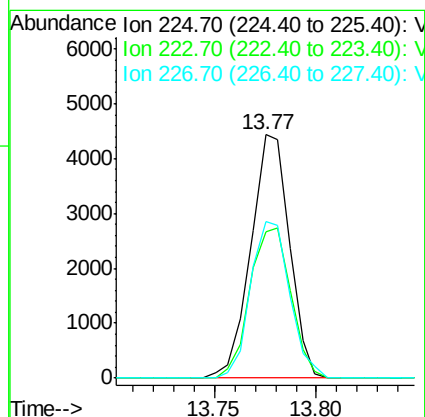
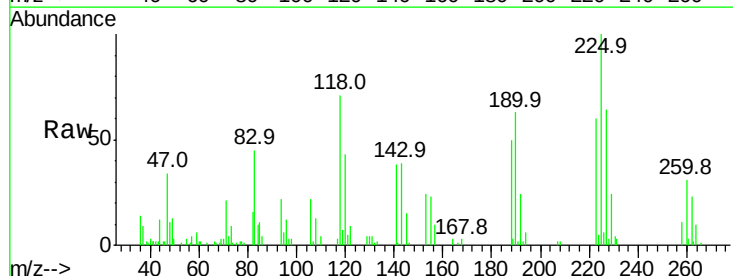
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

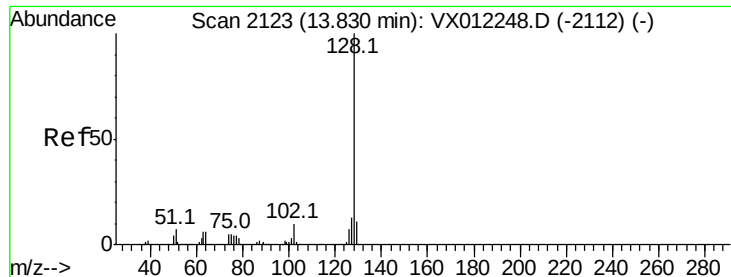
Tgt Ion:180 Resp: 11291
 Ion Ratio Lower Upper
 180 100
 182 99.1 46.9 140.8
 145 33.5 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 4.579 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion:225 Resp: 5866
 Ion Ratio Lower Upper
 225 100
 223 65.1 32.1 96.5
 227 65.2 32.5 97.5





#95

Naphthalene

Concen: 3.736 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

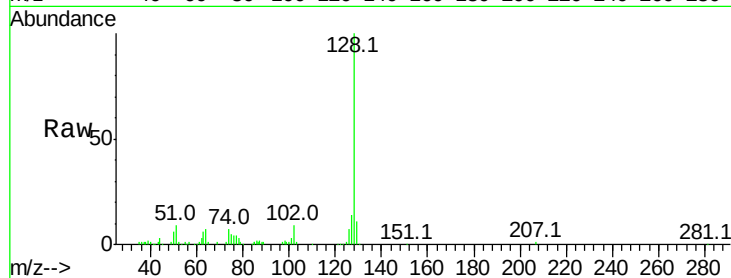
Tgt Ion:128 Resp: 21722

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

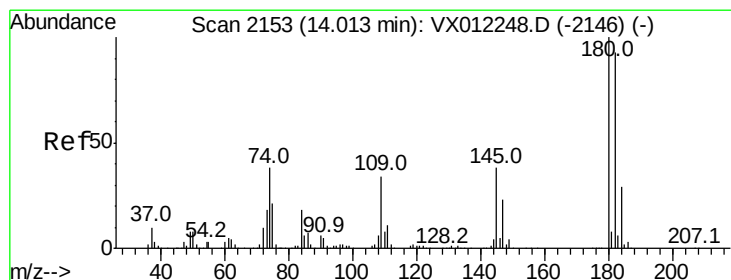
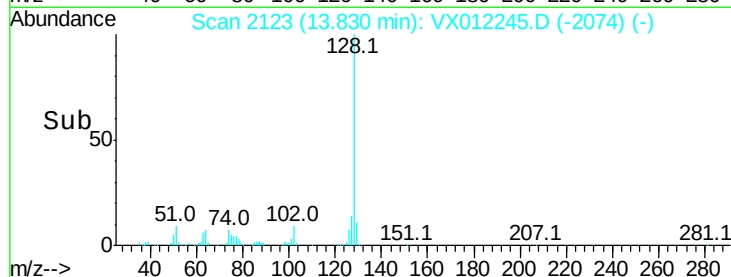
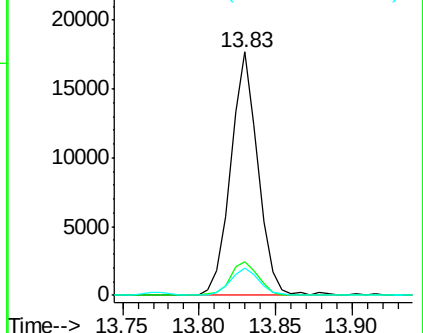
129 11.9 8.9 13.3



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: 4.358 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

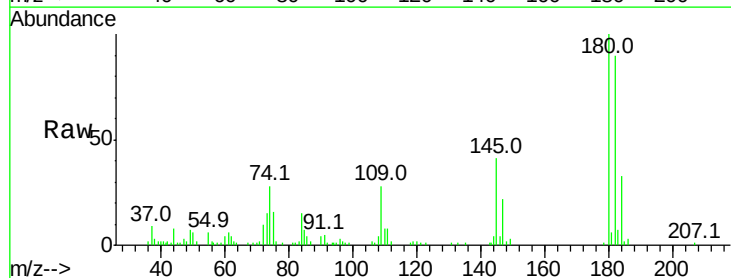
Tgt Ion:180 Resp: 10093

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.0

145 39.7 18.6 55.8



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

