

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013166.D
 Acq On : 21 Oct 2019 20:46
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 22 02:01:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	27550	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	155172	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	136174	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	61416	28.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.40%
60) 4-Bromofluorobenzene	11.14	95	68777	29.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.70%
63) Toluene-d8	8.71	98	187656	30.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	35801	18.099 ug/l	96
3) Chloromethane	1.32	50	32163	18.651 ug/l	92
4) Vinyl Chloride	1.40	62	31820	17.848 ug/l	96
5) Bromomethane	1.64	94	20193	20.989 ug/l	96
6) Chloroethane	1.72	64	21157	18.596 ug/l	99
7) Trichlorofluoromethane	1.92	101	51485	17.969 ug/l	94
8) Diethyl Ether	2.18	74	17898	18.302 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30850	17.629 ug/l	98
10) 1,1-Dichloroethene	2.37	96	30323	17.941 ug/l	98
11) Methyl Iodide	2.50	142	34101	15.666 ug/l	100
12) Methyl Acetate	2.76	43	40455	18.536 ug/l	99
13) Acrolein	2.28	56	26278	80.885 ug/l	98
14) Acrylonitrile	3.13	53	85786	93.989 ug/l	97
15) Acetone	2.43	58	23753	78.990 ug/l	94
16) Carbon Disulfide	2.56	76	75852	16.806 ug/l	98
17) Allyl chloride	2.72	41	46942	17.461 ug/l	94
18) Methylene Chloride	2.85	84	35053	17.912 ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	32795	18.286 ug/l	93
20) Diisopropyl ether	3.84	45	97706	18.791 ug/l	99
21) 1,1-Dichloroethane	3.69	63	57234	18.129 ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	37695	18.432 ug/l	97
23) tert-Butyl Alcohol	3.03	59	37700	78.399 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	105056	18.024 ug/l	98
25) Chloroform	5.20	83	60824	18.334 ug/l	97
26) Cyclohexane	5.57	56	49287	17.792 ug/l	# 99
29) 1,1-Dichloropropene	5.79	75	44286	18.371 ug/l	# 87
30) 2-Butanone	4.65	43	114278	90.376 ug/l	98
31) 2,2-Dichloropropane	4.57	77	45889	16.465 ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	53164	18.226 ug/l	98
33) Carbon Tetrachloride	5.78	117	44338	17.685 ug/l	98
34) Benzene	6.14	78	131910	19.008 ug/l	96
35) Methacrylonitrile	5.03	41	24154	18.626 ug/l	97
36) 1,2-Dichloroethane	6.18	62	49399	18.831 ug/l	99
37) Trichloroethene	7.21	130	35848	18.623 ug/l	96
38) Methylcyclohexane	7.46	83	52910	17.997 ug/l	98
39) 1,2-Dichloropropane	7.51	63	32343	18.988 ug/l	98
40) Dibromomethane	7.65	93	23038	18.935 ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	44498	18.138	ug/l #	99
42) Vinyl Acetate	3.80	43	409234	93.329	ug/l	100
43) Ethyl Acetate	4.81	43	45482	19.721	ug/l	98
44) Isopropyl Acetate	6.43	43	73490	18.960	ug/l	100
45) 1,4-Dioxane	7.73	88	15884	324.037	ug/l	99
46) Methyl methacrylate	7.76	41	34909	18.303	ug/l	95
47) n-amyl Acetate	10.89	43	59419	18.186	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	47530	17.662	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	52245	17.842	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	33912	18.874	ug/l	97
51) Ethyl methacrylate	9.17	69	51553	18.299	ug/l	98
52) 1,3-Dichloropropane	9.37	76	56825	18.780	ug/l	99
53) Dibromochloromethane	9.58	129	34597	17.850	ug/l	96
54) 1,2-Dibromoethane	9.67	107	36707	19.107	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	114206	99.792	ug/l	98
56) Bromoform	10.85	173	23025	16.745	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	223603	97.448	ug/l	99
59) 2-Hexanone	9.48	43	168072	93.462	ug/l	99
61) Tetrachloroethene	9.33	164	36473	20.204	ug/l	100
62) Toluene	8.78	91	142027	19.321	ug/l	99
64) Chlorobenzene	10.14	112	89911	19.076	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	33441	18.940	ug/l	99
66) Ethyl Benzene	10.25	91	160826	19.009	ug/l	98
67) m/p-Xylenes	10.35	106	120624	37.513	ug/l	98
68) o-Xylene	10.70	106	58656	19.109	ug/l	93
69) Styrene	10.71	104	99076	18.756	ug/l	99
70) Isopropylbenzene	11.01	105	154247	18.313	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	48841	18.923	ug/l	96
72) 1,2,3-Trichloropropane	11.29	75	56841	25.356	ug/l	89
73) Bromobenzene	11.25	156	37484	18.544	ug/l	97
74) n-propylbenzene	11.35	91	169414	18.325	ug/l	100
75) 2-Chlorotoluene	11.42	91	106516	18.413	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	132883	18.794	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	14214	16.331	ug/l	95
78) 4-Chlorotoluene	11.51	91	125961	19.056	ug/l	99
79) tert-butylbenzene	11.76	119	125380	18.416	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	134482	19.039	ug/l	98
81) sec-Butylbenzene	11.94	105	148931	18.362	ug/l	99
82) p-Isopropyltoluene	12.06	119	139452	18.805	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	68108	18.450	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	68245	18.693	ug/l	98
85) n-Butylbenzene	12.39	91	109523	17.387	ug/l	98
86) Hexachloroethane	12.59	117	22211	17.160	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	66756	18.642	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	10746	16.897	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	41375	18.578	ug/l	97
90) Hexachlorobutadiene	13.78	225	18795	16.622	ug/l	99
91) Naphthalene	13.83	128	138512	19.120	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	41593	18.229	ug/l	99

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QLast Update : Tue Oct 22 01:53:07 2019
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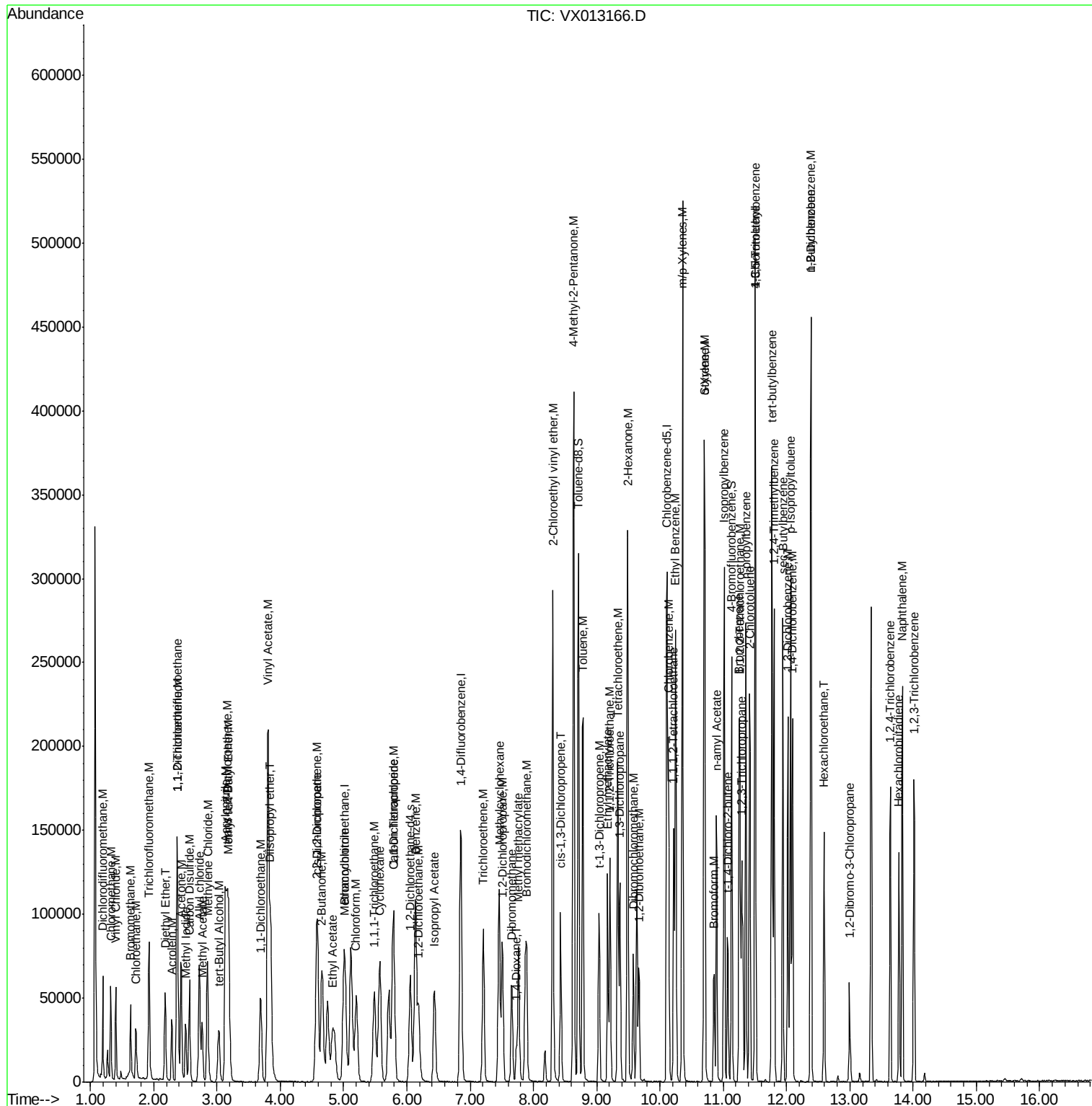
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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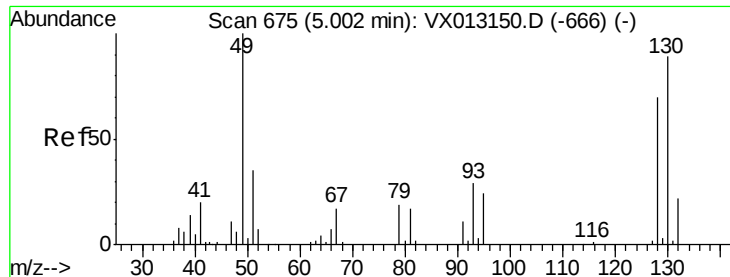
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : JC/SP
Sample    : VSTDCCC020
Misc      : 5.0mL/MSVOA X/WATER
ALS Vial  : 20      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Quant Time: Oct 22 02:01:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

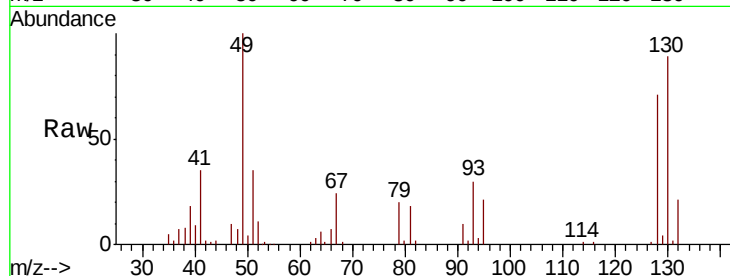
Tot Ion:128 Resp: 27550

Ion Ratio Lower Upper

128 100

49 144.0 0.0 367.3

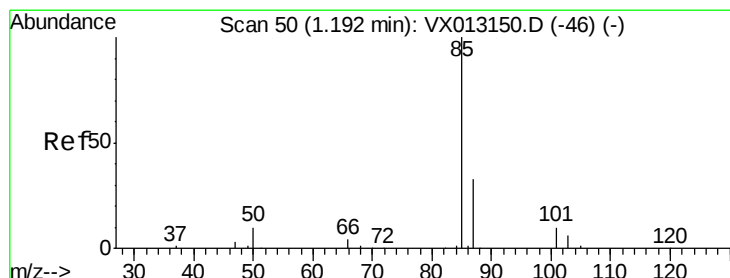
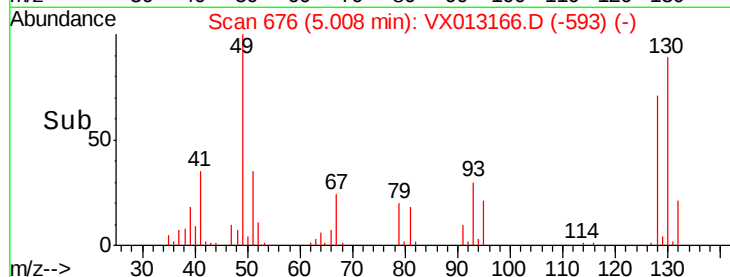
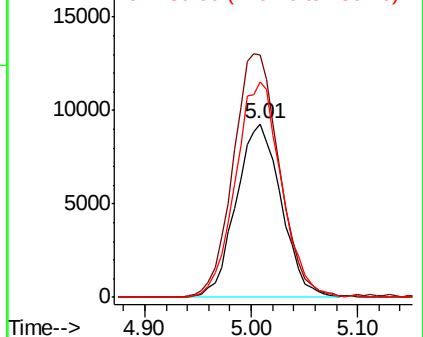
130 126.3 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.099 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013166.D

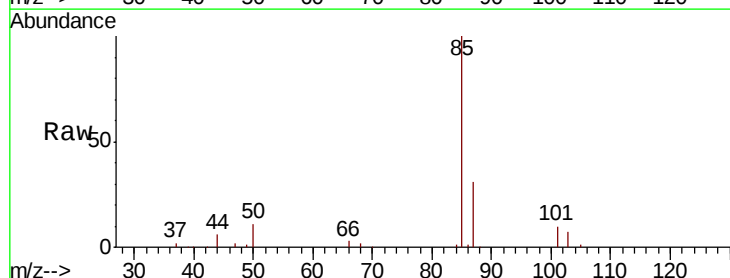
Acq: 21 Oct 2019 20:46

Tgt Ion: 85 Resp: 35801

Ion Ratio Lower Upper

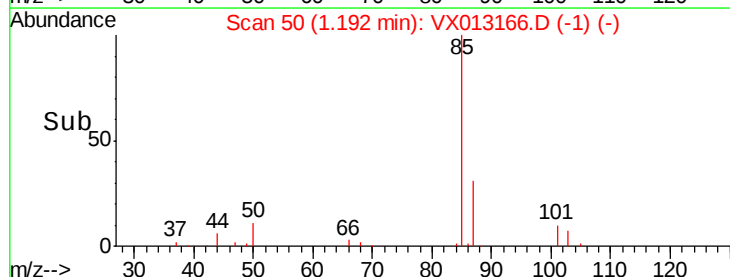
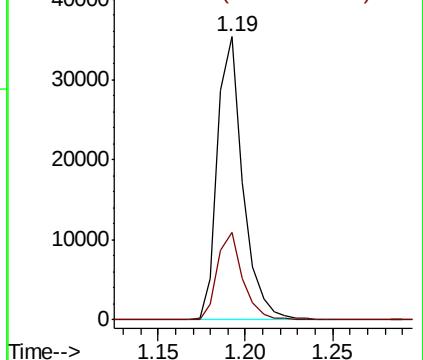
85 100

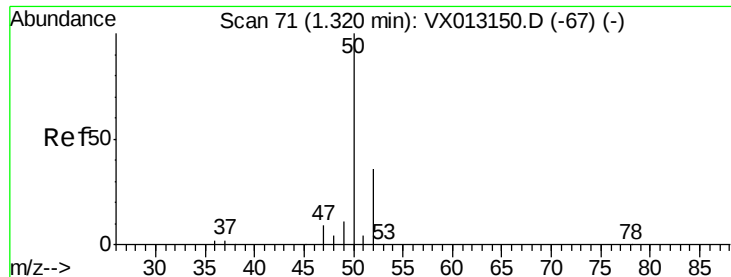
87 30.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.651 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

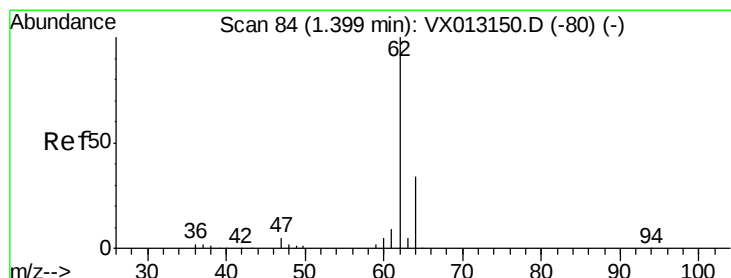
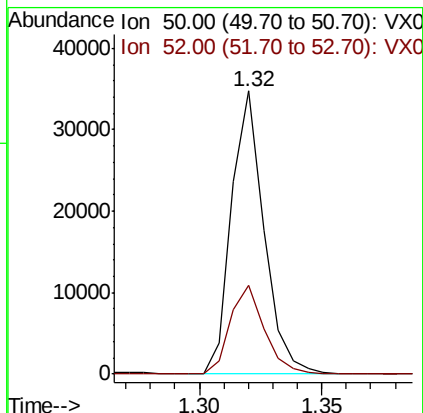
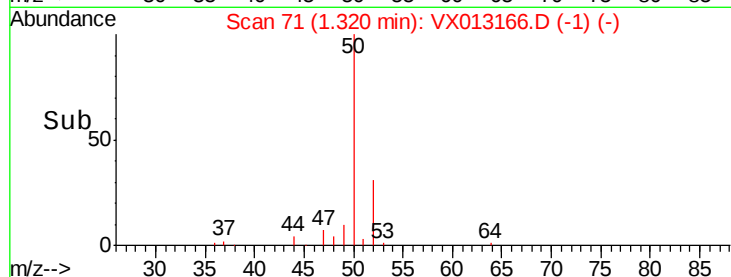
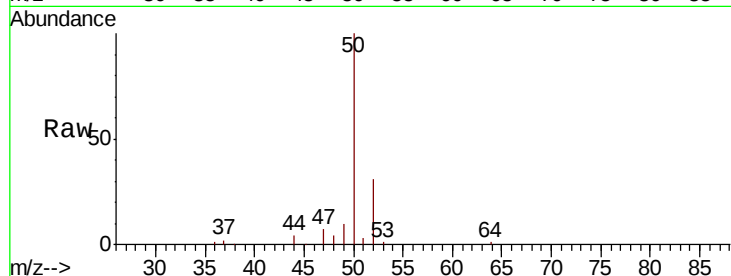
VSTDCCC020EC

Tot Ion: 50 Resp: 32163

Ion Ratio Lower Upper

50 100

52 31.2 28.6 42.8



#4

Vinyl Chloride

Concen: 17.848 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013166.D

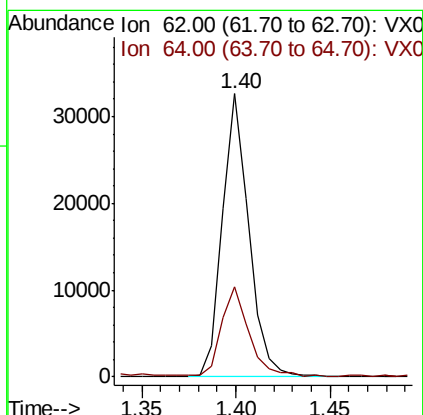
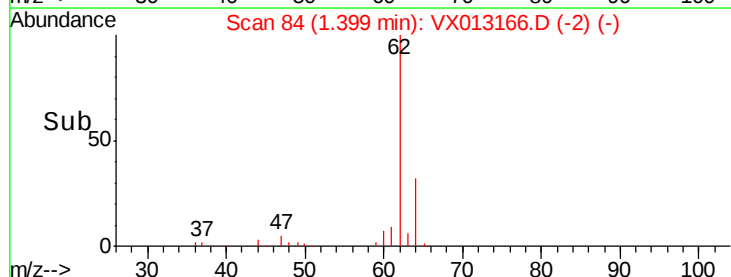
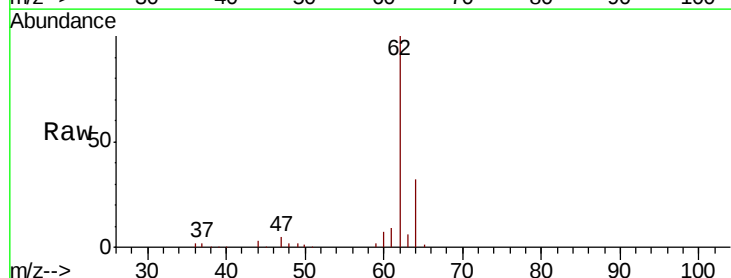
Acq: 21 Oct 2019 20:46

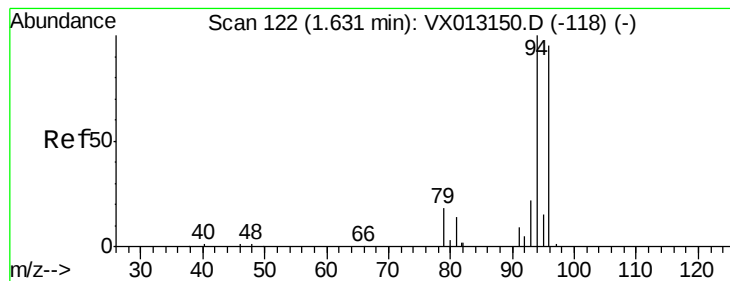
Tgt Ion: 62 Resp: 31820

Ion Ratio Lower Upper

62 100

64 31.7 27.3 40.9





#5

Bromomethane

Concen: 20.989 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

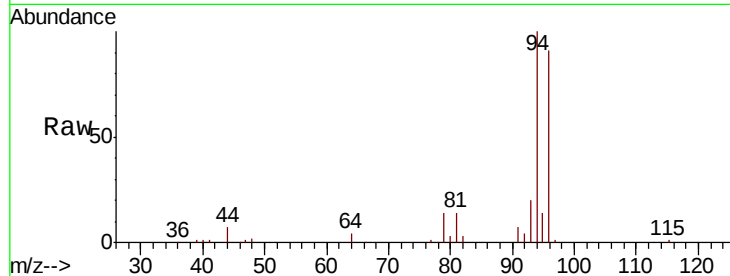
VSTDCCC020EC

Tot Ion: 94 Resp: 20193

Ion Ratio Lower Upper

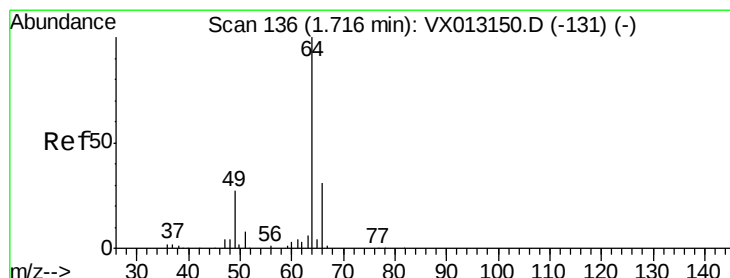
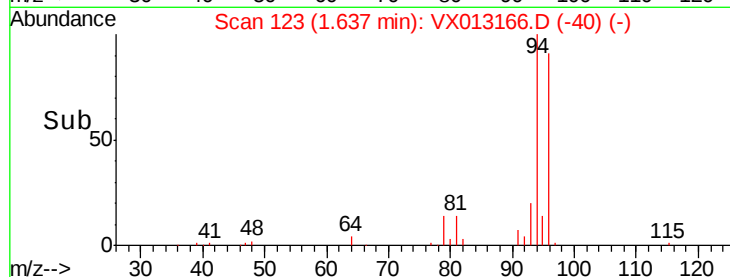
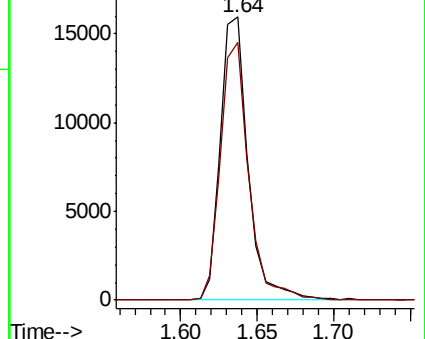
94 100

96 90.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.596 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013166.D

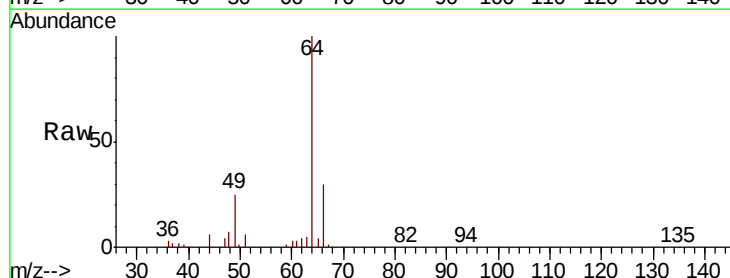
Acq: 21 Oct 2019 20:46

Tgt Ion: 64 Resp: 21157

Ion Ratio Lower Upper

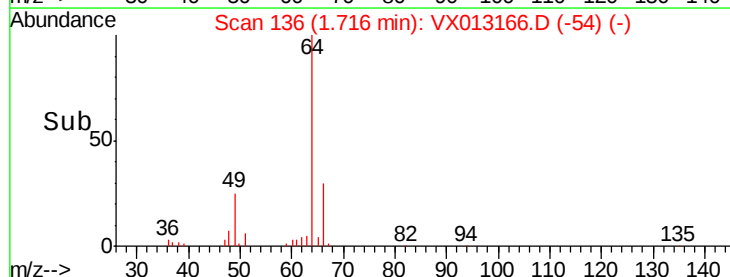
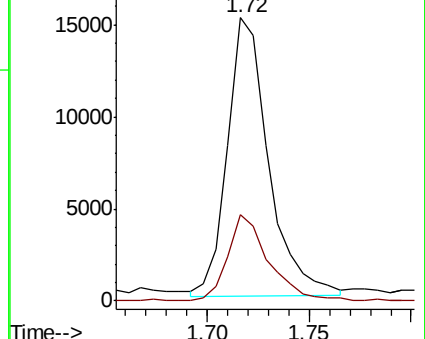
64 100

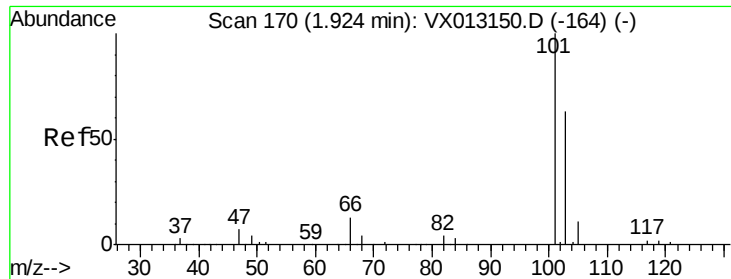
66 31.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



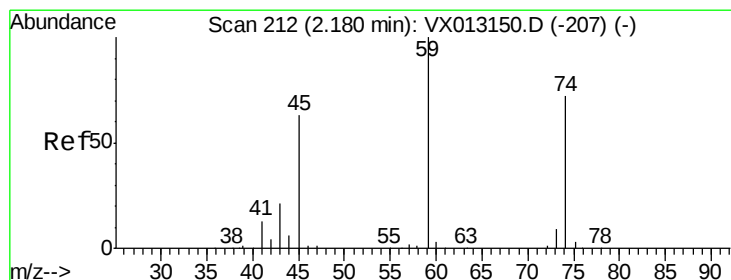
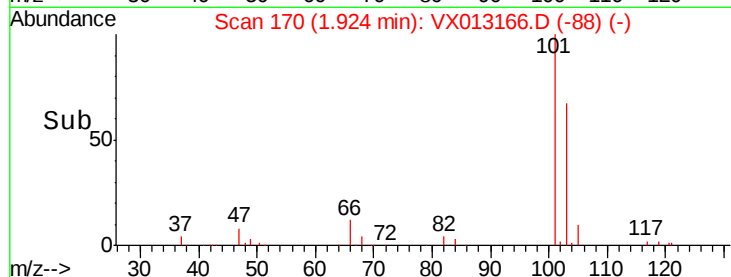
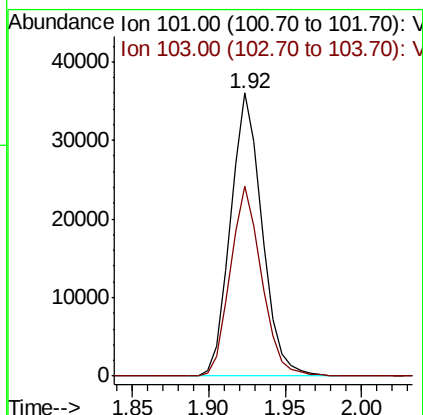
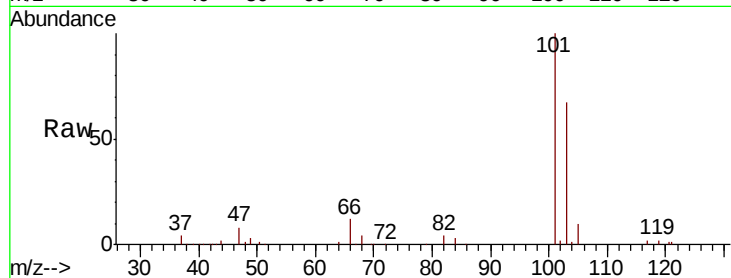


#7

Trichlorofluoromethane
Concen: 17.969 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

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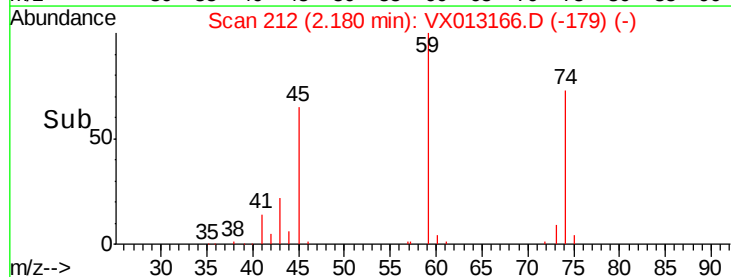
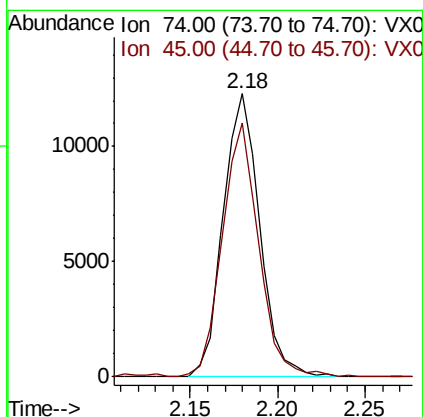
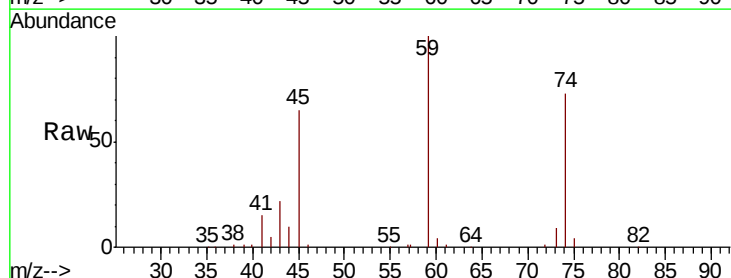
Tot Ion:101 Resp: 51485
Ion Ratio Lower Upper
101 100
103 67.3 50.2 75.4

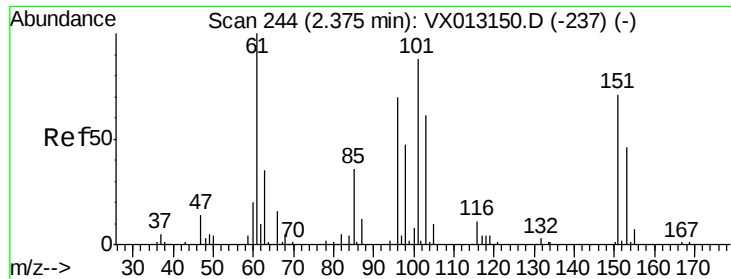


#8

Diethyl Ether
Concen: 18.302 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 74 Resp: 17898
Ion Ratio Lower Upper
74 100
45 88.9 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.629 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

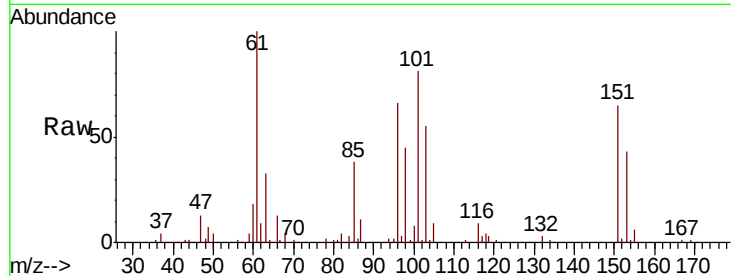
Tot Ion:101 Resp: 30850

Ion Ratio Lower Upper

101 100

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151 79.9 0.0 163.0

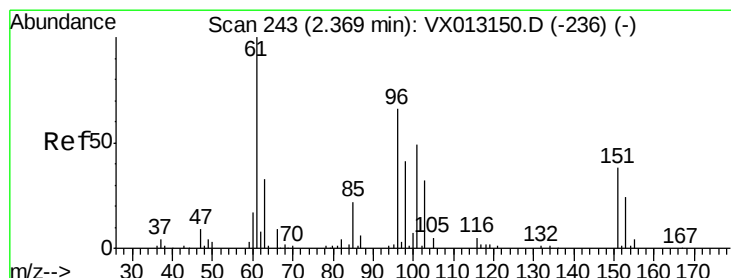
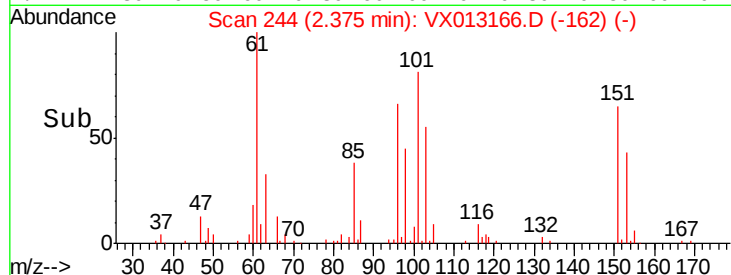
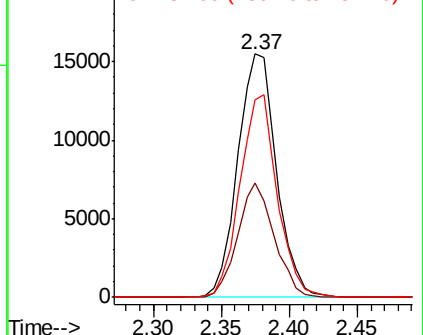


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.941 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

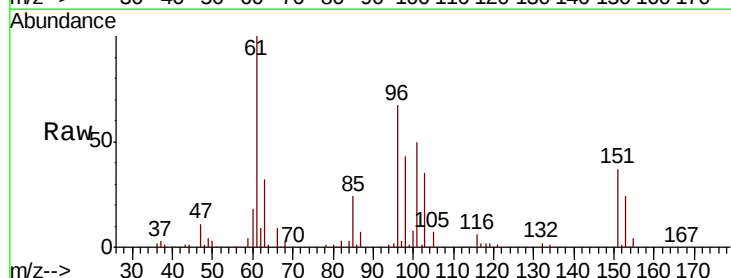
Tgt Ion: 96 Resp: 30323

Ion Ratio Lower Upper

96 100

61 148.6 121.3 181.9

98 63.7 49.5 74.3

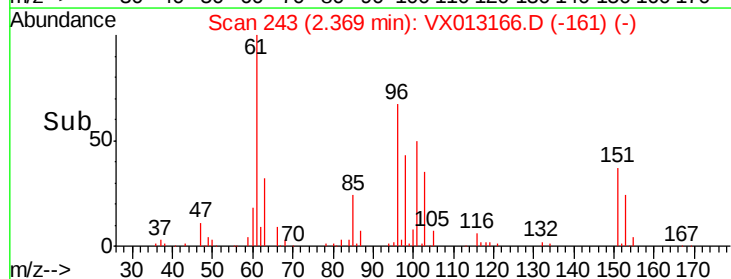
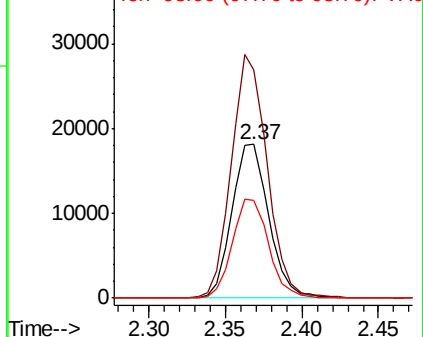


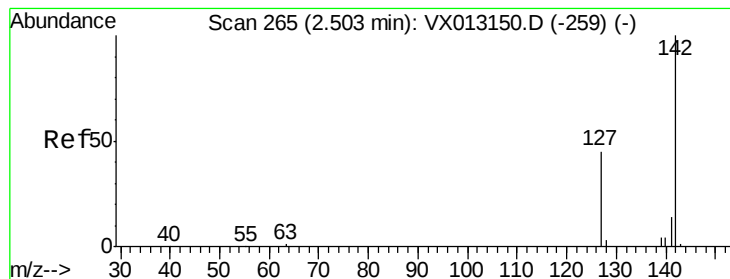
Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

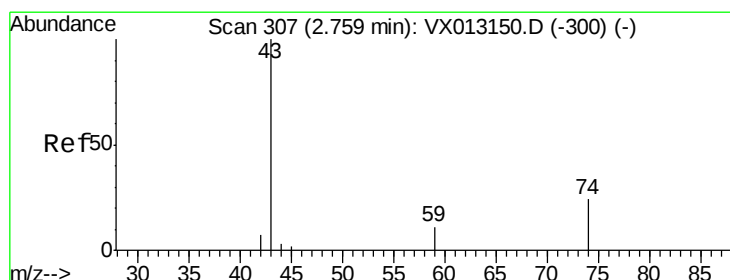
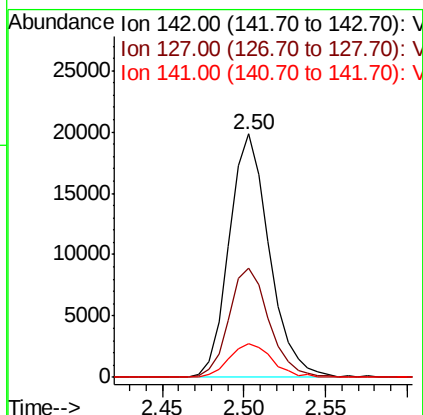
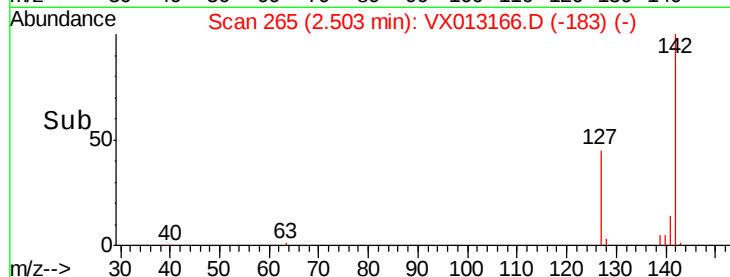
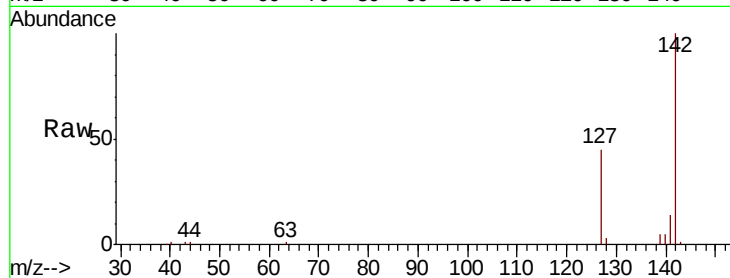




#11
Methvl Iodide
Concen: 15.666 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

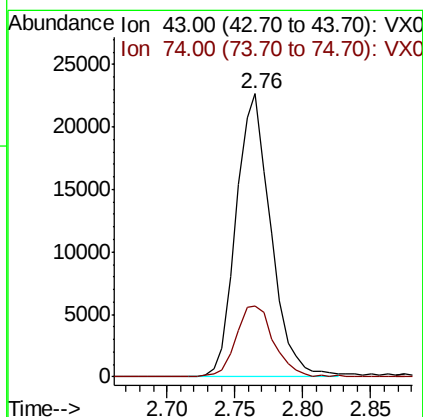
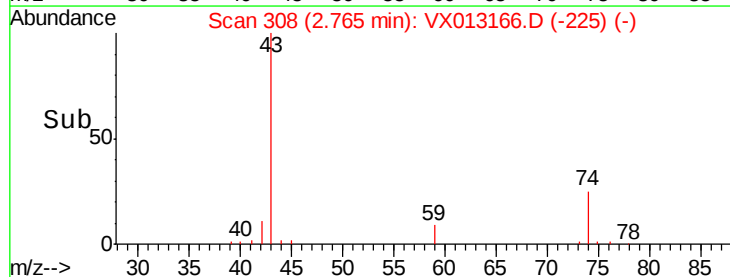
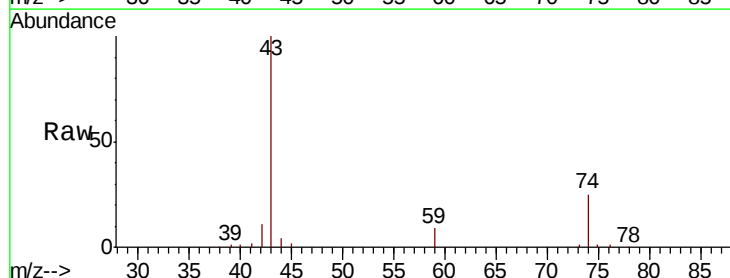
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

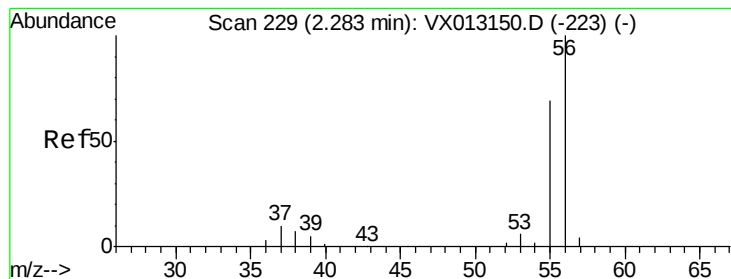
Tot Ion:142 Resp: 34101
Ion Ratio Lower Upper
142 100
127 44.7 22.3 66.9
141 13.6 7.1 21.3



#12
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 43 Resp: 40455
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5





#13

Acrolein

Concen: 80.885 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

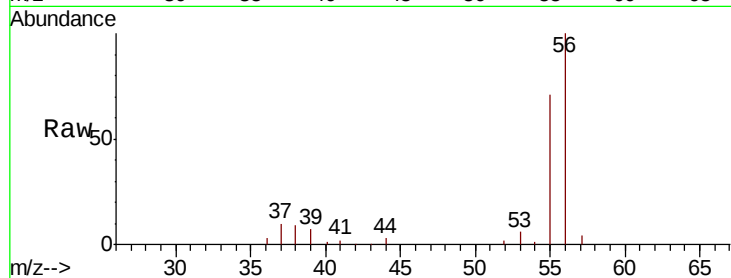
VSTDCCC020EC

Tot Ion: 56 Resp: 26278

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

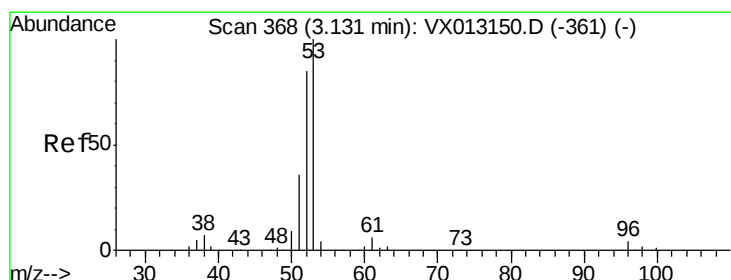
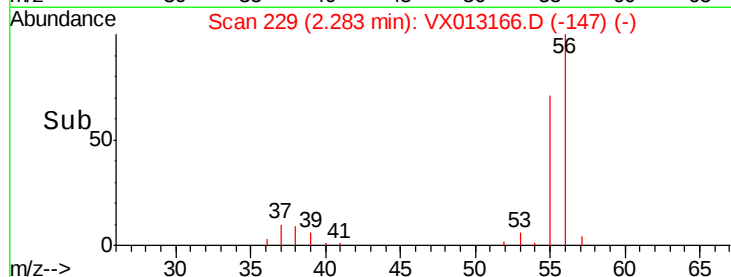
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 93.989 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

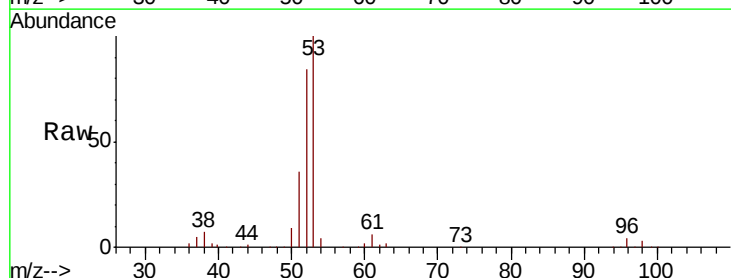
Tgt Ion: 53 Resp: 85786

Ion Ratio Lower Upper

53 100

52 81.1 42.0 126.0

51 36.7 18.6 56.0



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

60000

50000

40000

30000

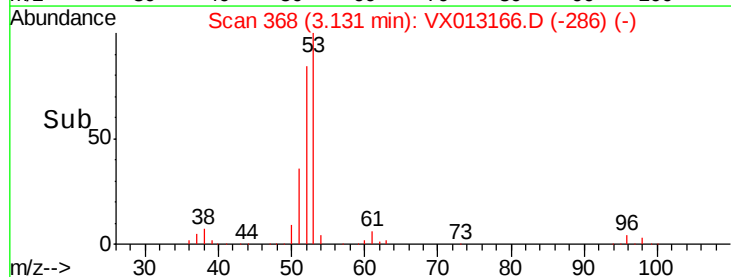
20000

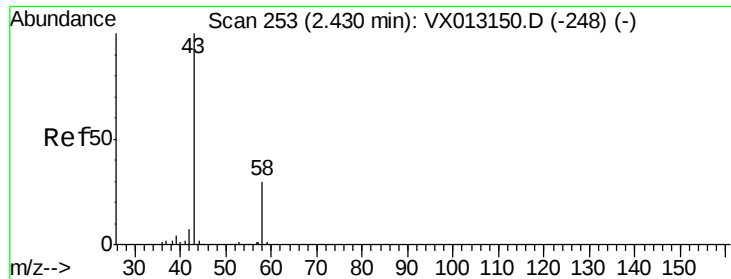
10000

0

Time-->

3.10 3.20 3.30





#15

Acetone

Concen: 78.990 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

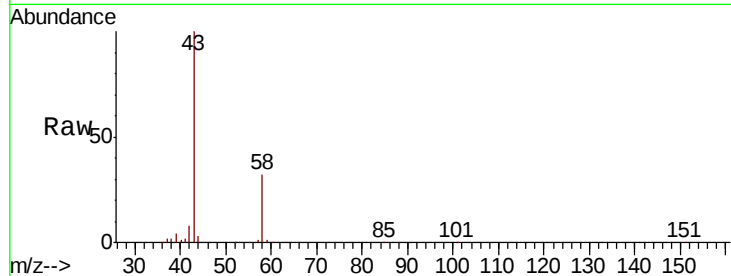
VSTDCCC020EC

Tot Ion: 58 Resp: 23753

Ion Ratio Lower Upper

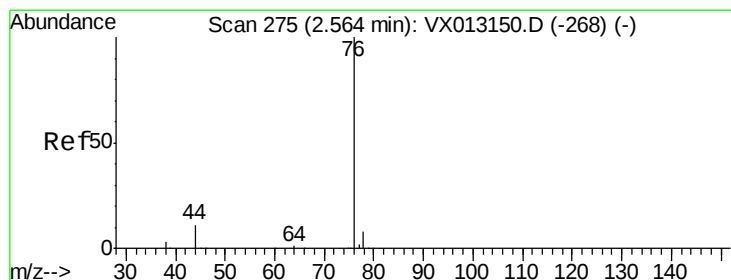
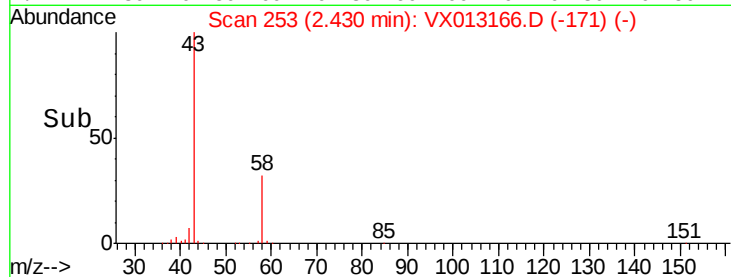
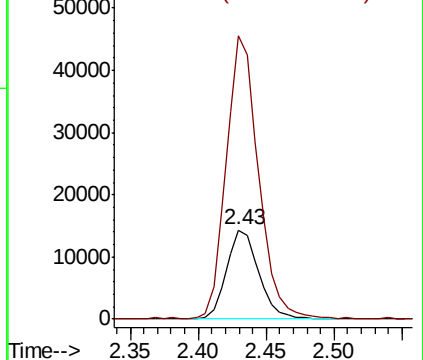
58 100

43 316.8 262.8 394.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 16.806 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013166.D

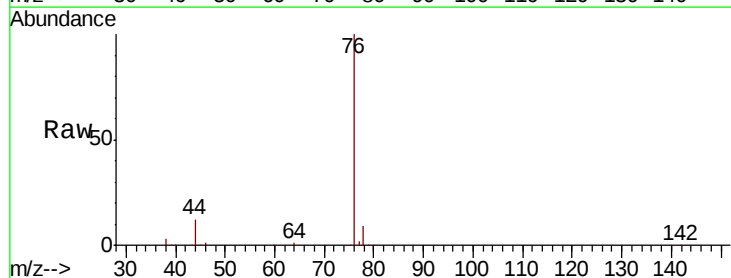
Acq: 21 Oct 2019 20:46

Tgt Ion: 76 Resp: 75852

Ion Ratio Lower Upper

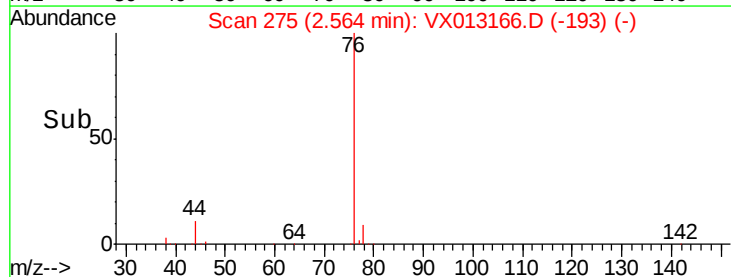
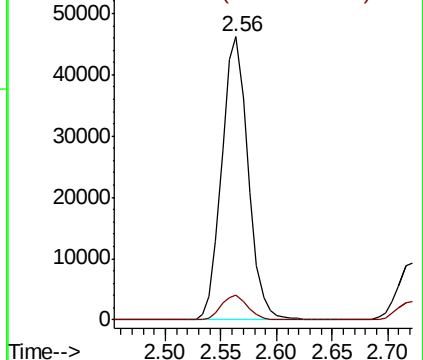
76 100

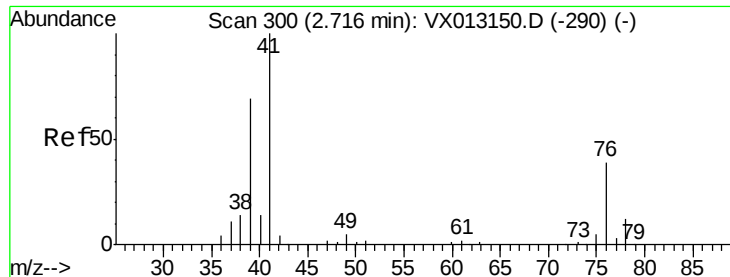
78 8.9 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

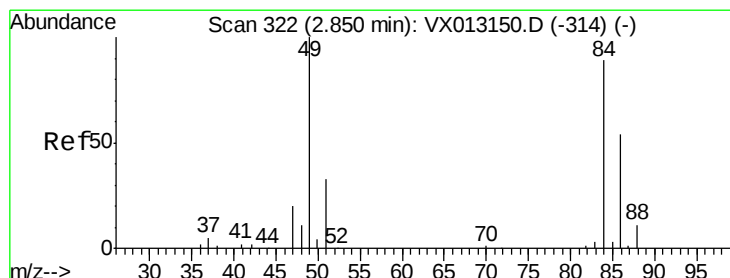
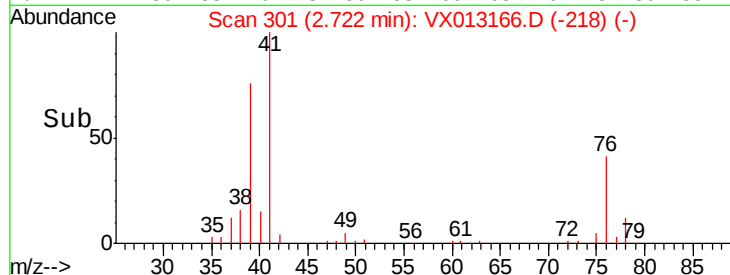
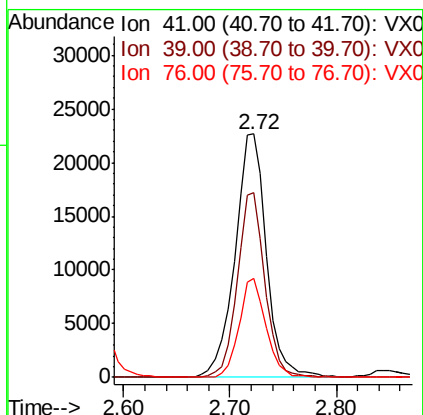
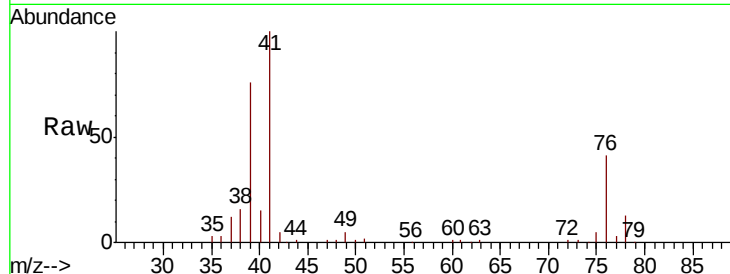




#17
Allvl chloride
Concen: 17.461 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

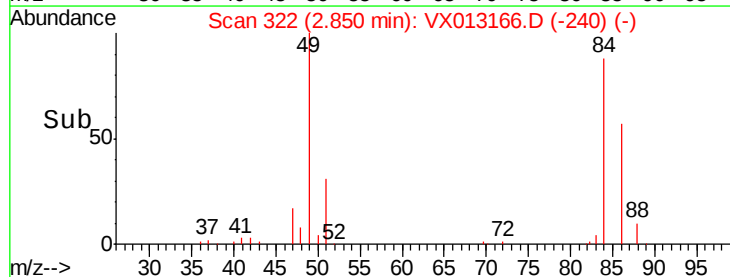
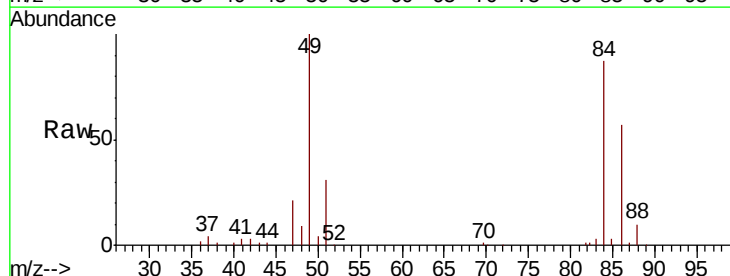
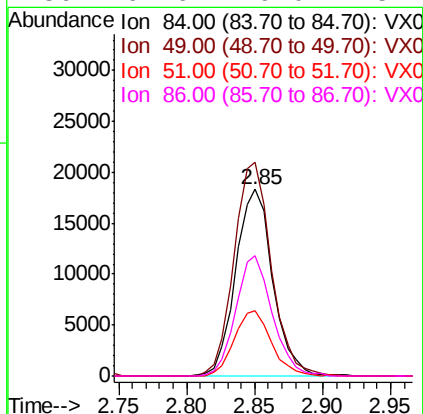
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

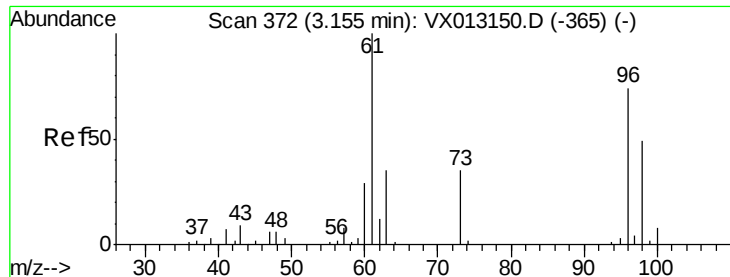
Tot Ion: 41 Resp: 46942
Ion Ratio Lower Upper
41 100
39 75.8 34.7 104.1
76 40.7 19.7 59.0



#18
Methylene Chloride
Concen: 17.912 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 84 Resp: 35053
Ion Ratio Lower Upper
84 100
49 114.3 90.3 135.5
51 35.0 29.9 44.9
86 64.6 49.0 73.4

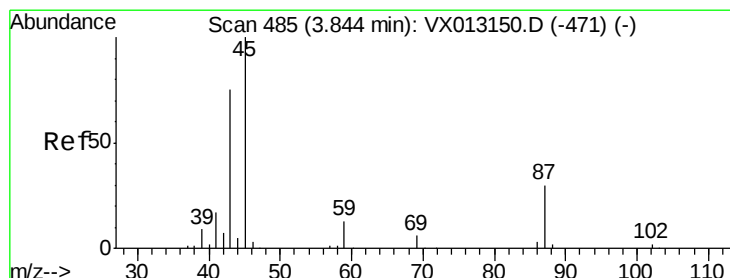
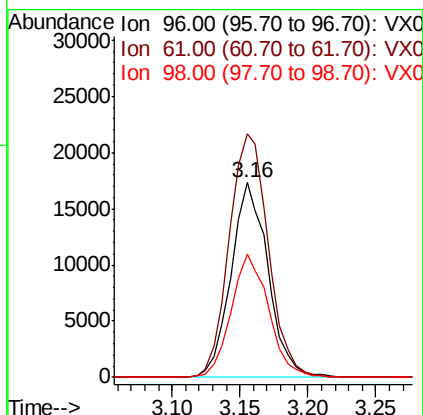
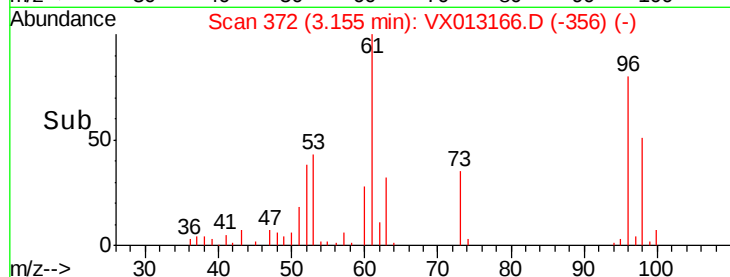
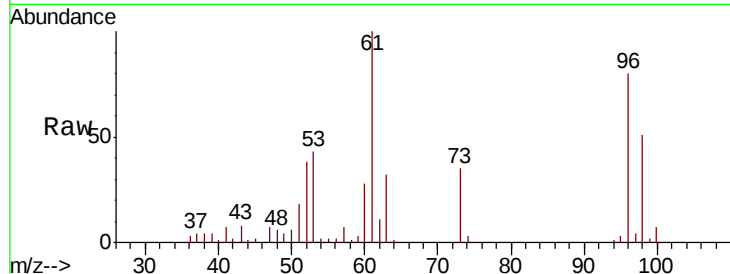




#19
trans-1,2-Dichloroethene
Concen: 18.286 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

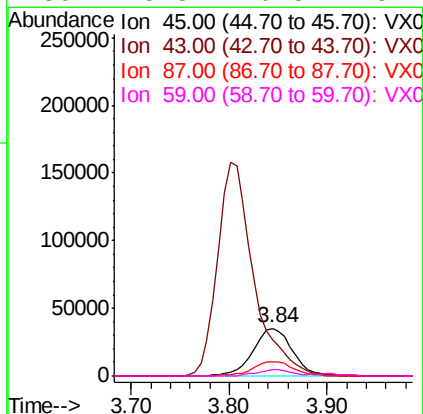
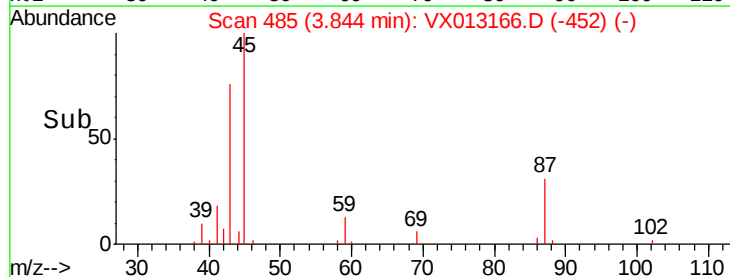
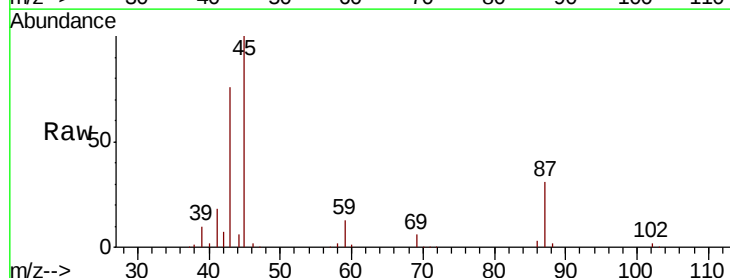
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

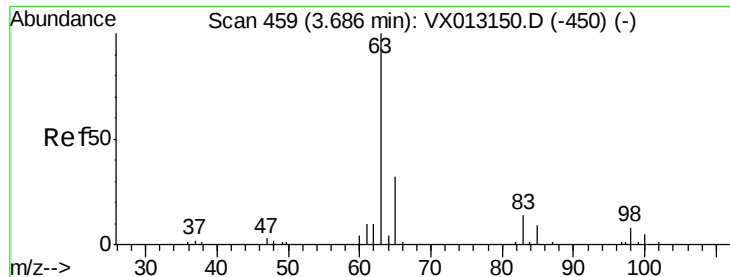
Tot Ion: 96 Resp: 32795
Ion Ratio Lower Upper
96 100
61 125.3 108.6 162.8
98 63.7 53.4 80.0



#20
Diisopropyl ether
Concen: 18.791 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 45 Resp: 97706
Ion Ratio Lower Upper
45 100
43 74.5 60.6 91.0
87 30.6 24.2 36.2
59 13.3 10.5 15.7





#21

1,1-Dichloroethane

Concen: 18.129 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

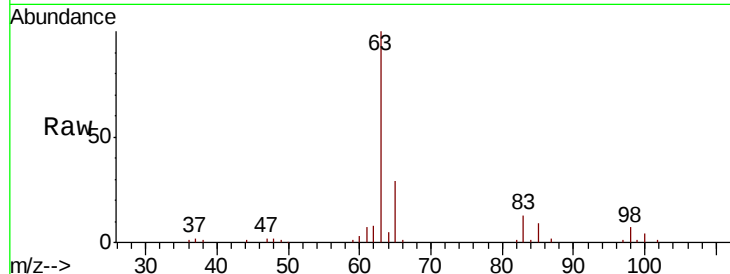
Tot Ion: 63 Resp: 57234

Ion Ratio Lower Upper

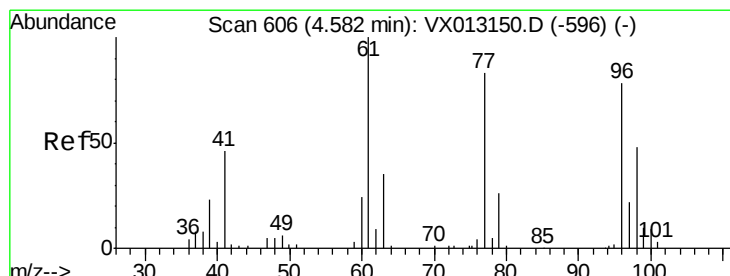
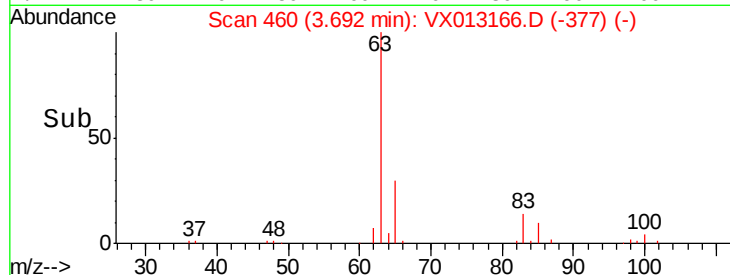
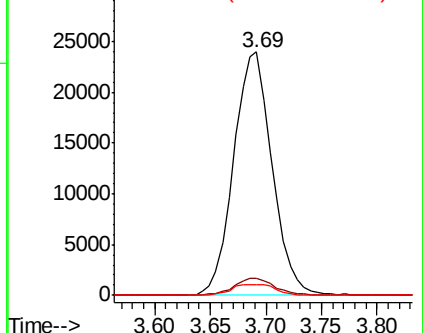
63 100

98 7.2 4.2 12.4

100 4.5 2.4 7.2



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 18.432 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

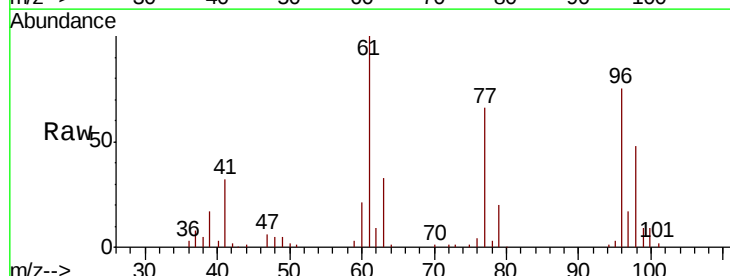
Tgt Ion: 96 Resp: 37695

Ion Ratio Lower Upper

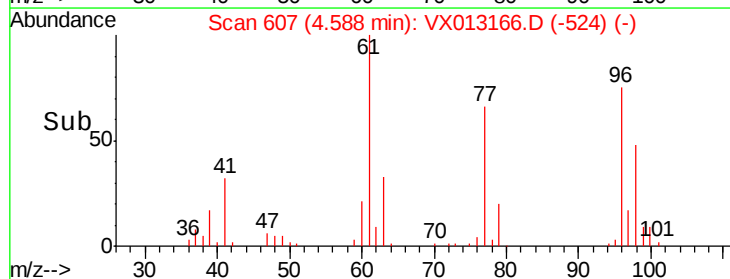
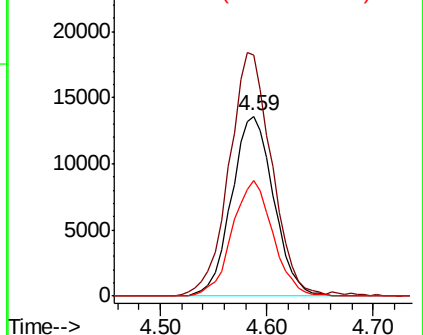
96 100

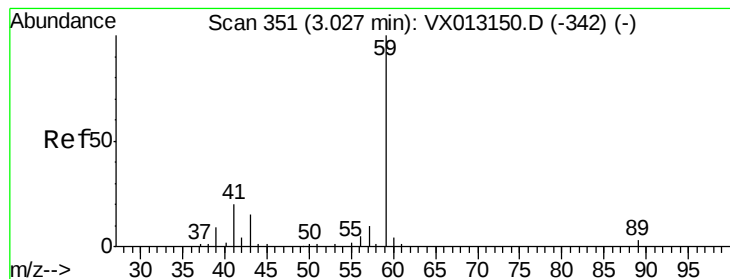
61 137.0 112.5 168.7

98 62.2 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 78.399 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

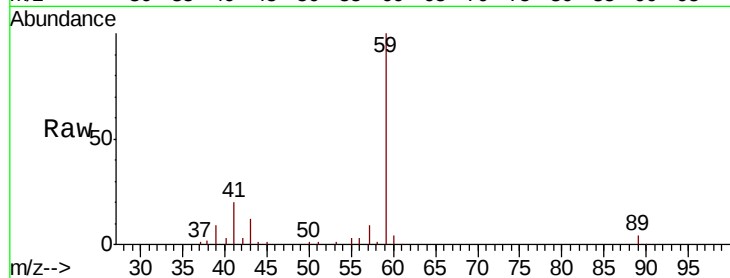
VSTDCCC020EC

Tot Ion: 59 Resp: 37700

Ion Ratio Lower Upper

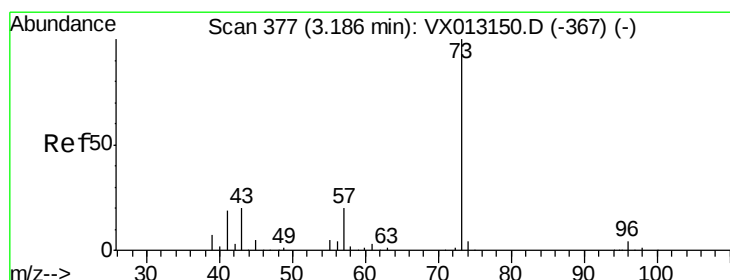
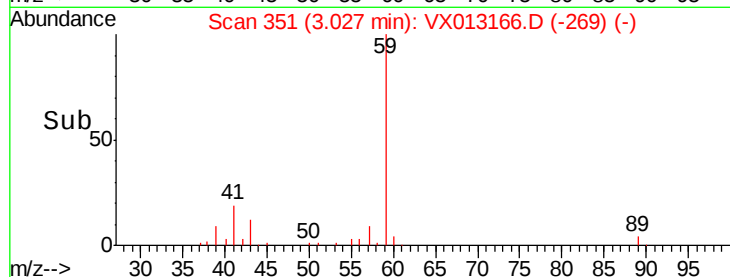
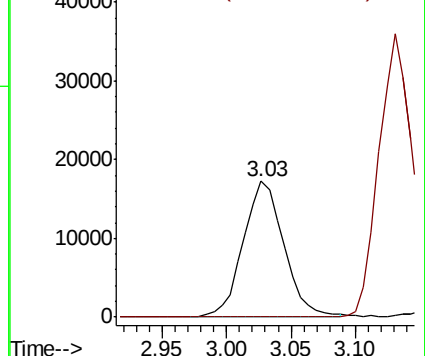
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 18.024 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX013166.D

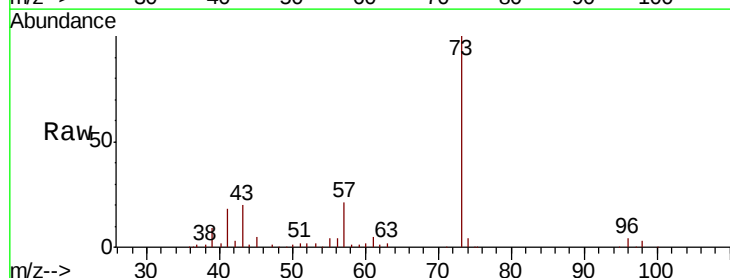
Acq: 21 Oct 2019 20:46

Tgt Ion: 73 Resp: 105056

Ion Ratio Lower Upper

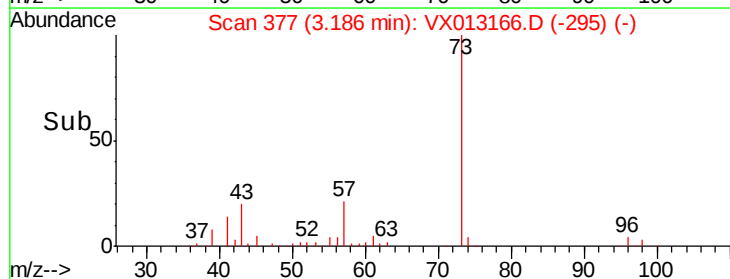
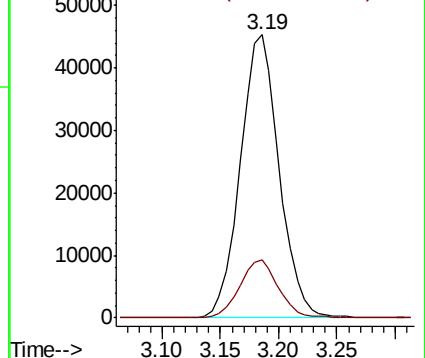
73 100

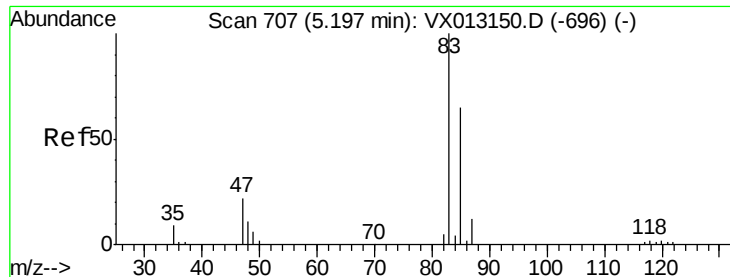
43 20.4 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 18.334 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

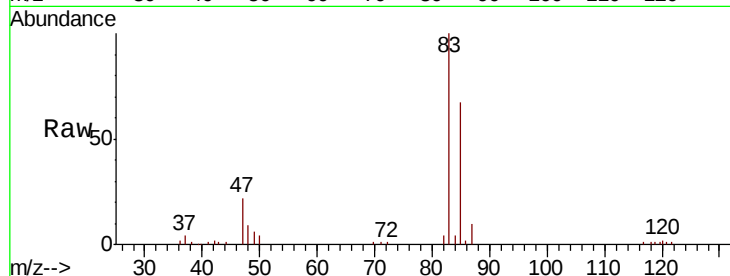
VSTDCCC020EC

Tot Ion: 83 Resp: 60824

Ion Ratio Lower Upper

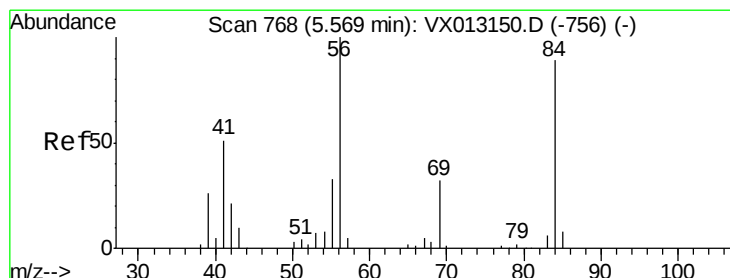
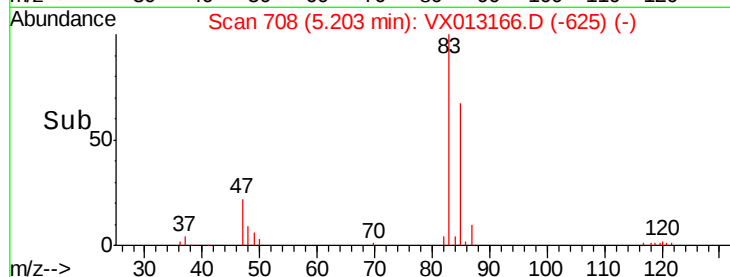
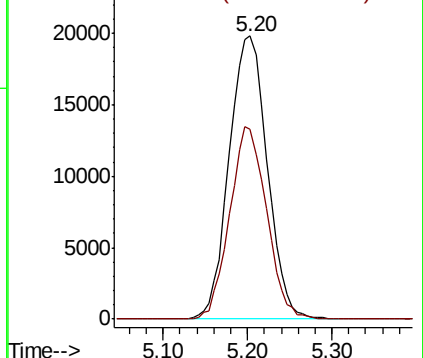
83 100

85 67.0 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.792 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

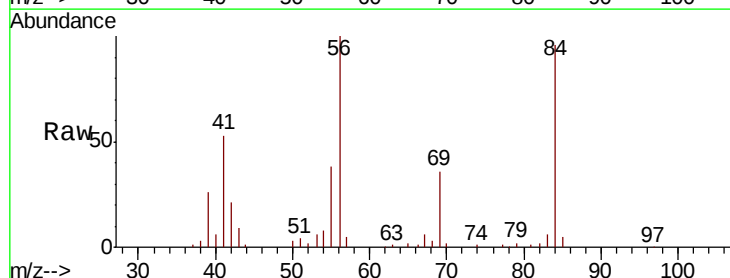
Tgt Ion: 56 Resp: 49287

Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

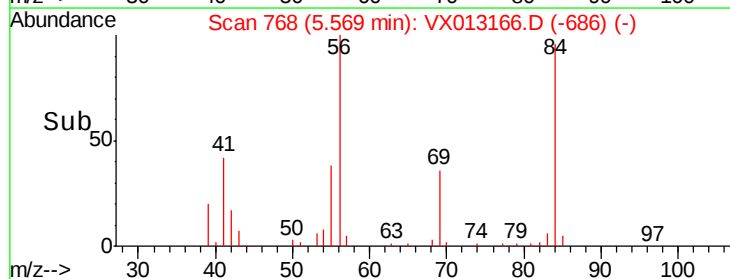
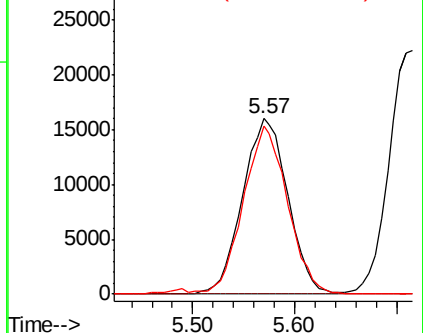
84 93.7 74.0 111.0

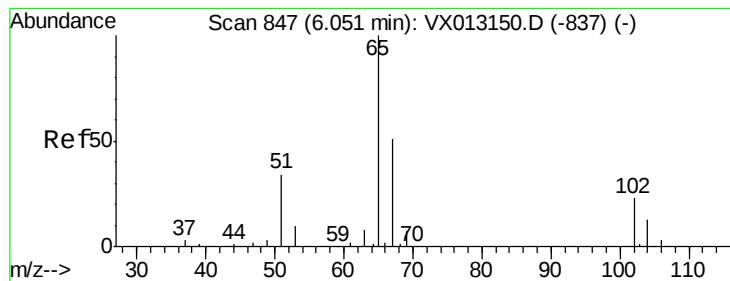


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.318 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

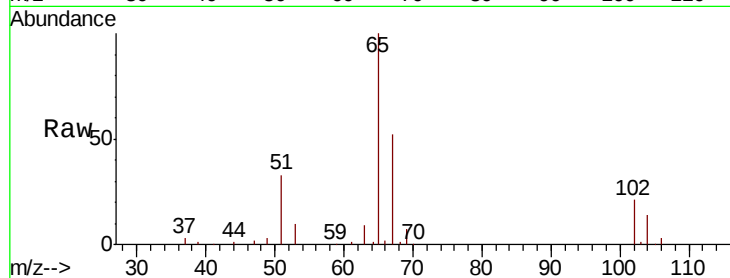
VSTDCCC020EC

Tot Ion: 65 Resp: 61416

Ion Ratio Lower Upper

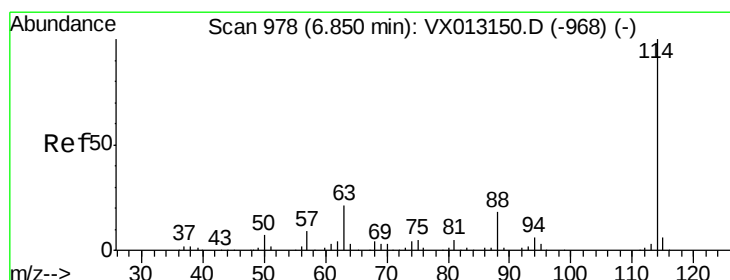
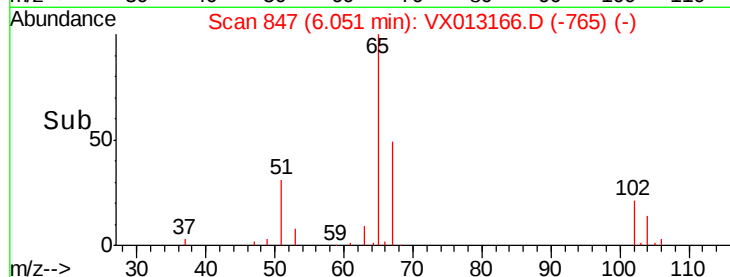
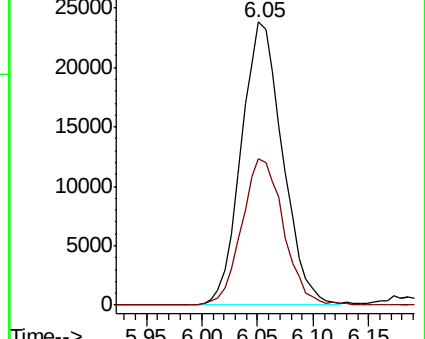
65 100

67 52.2 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

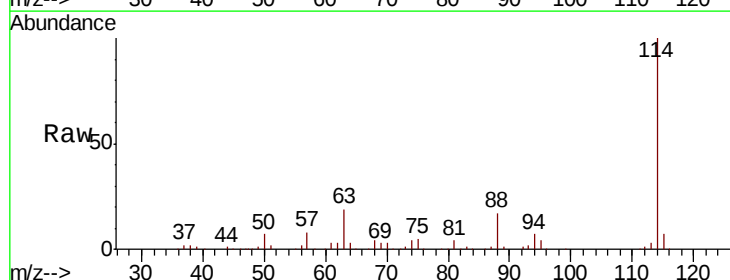
Tgt Ion: 114 Resp: 155172

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

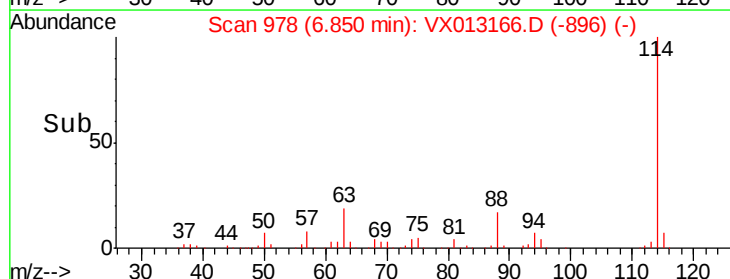
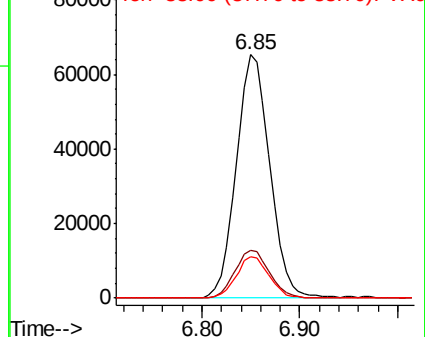
88 16.9 13.7 20.5

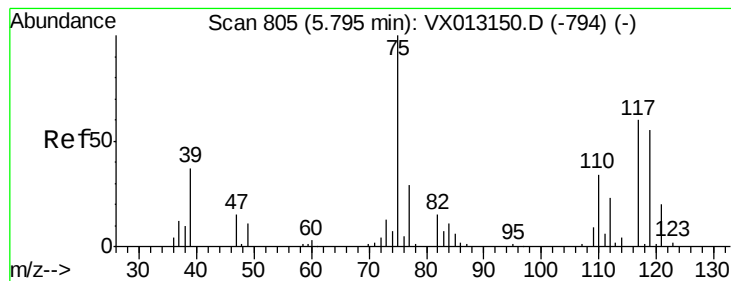


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.371 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

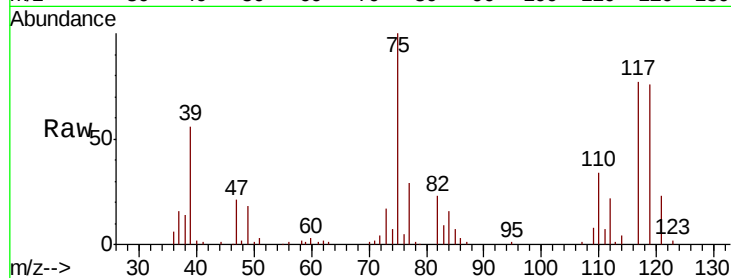
Tot Ion: 75 Resp: 44286

Ion Ratio Lower Upper

75 100

110 35.2 0.0 68.4

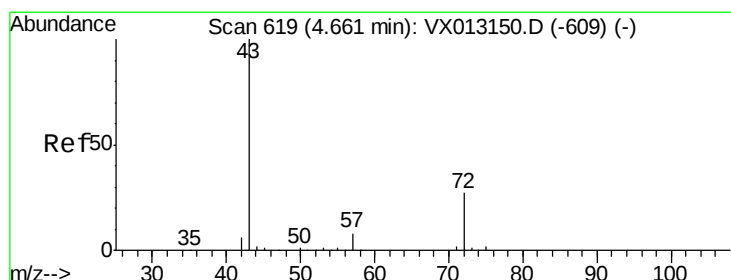
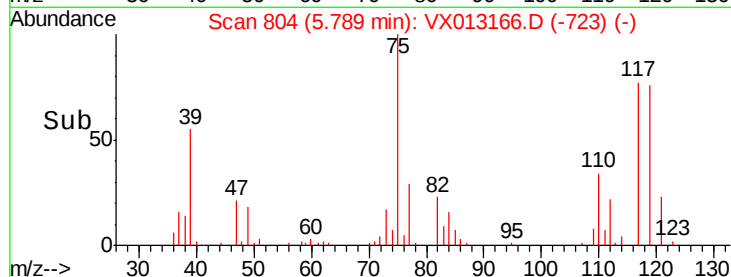
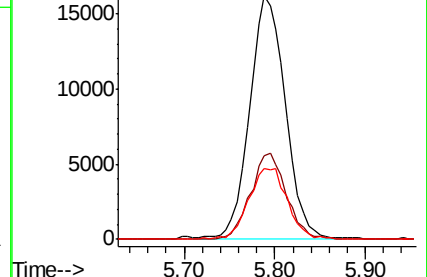
77 31.5 0.0 30.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 90.376 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

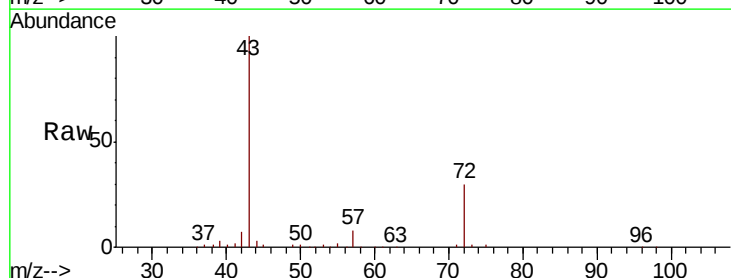
Tgt Ion: 43 Resp: 114278

Ion Ratio Lower Upper

43 100

57 8.7 7.0 10.6

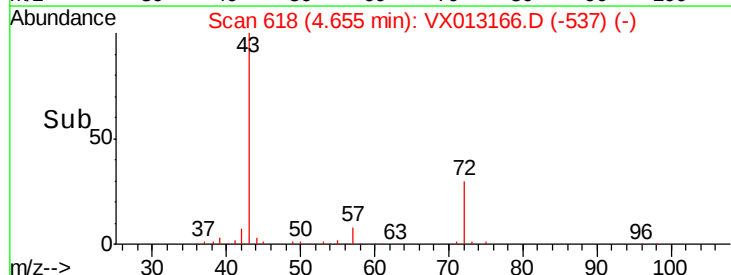
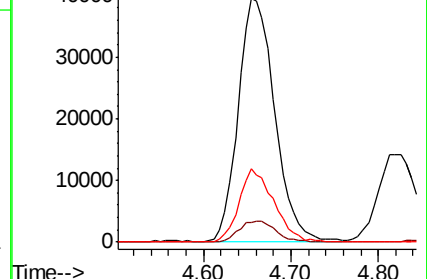
72 27.6 23.4 35.2

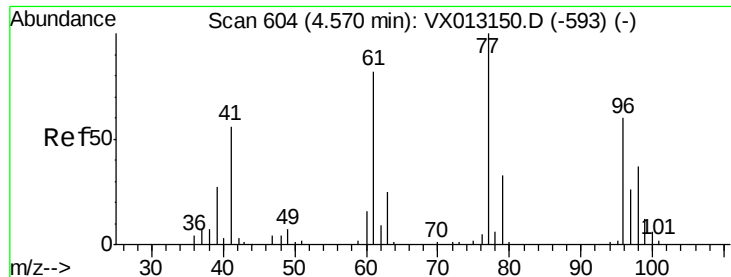


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 16.465 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

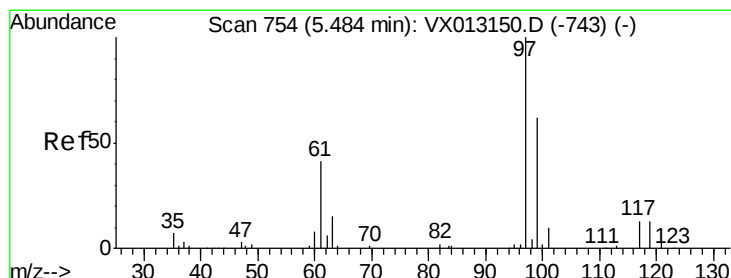
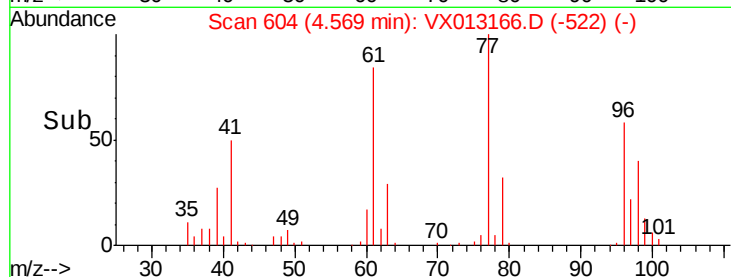
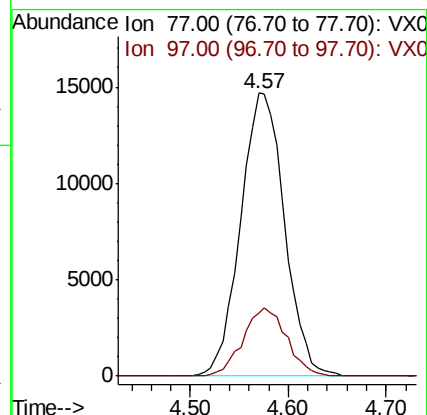
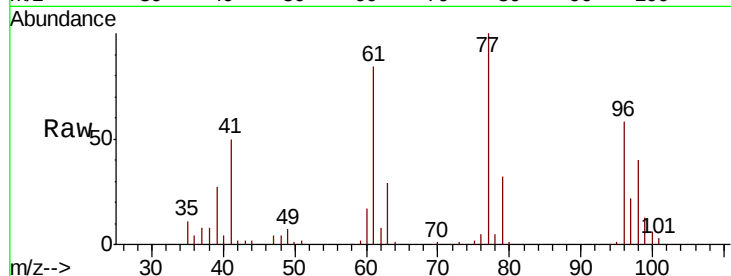
VSTDCCC020EC

Tot Ion: 77 Resp: 45889

Ion Ratio Lower Upper

77 100

97 23.9 19.1 28.7



#32

1,1,1-Trichloroethane

Concen: 18.226 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

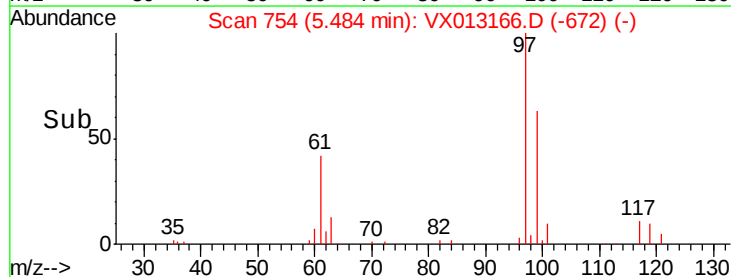
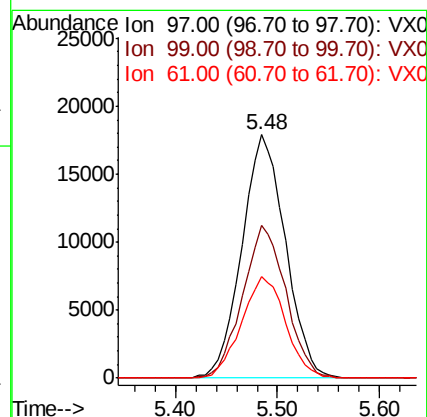
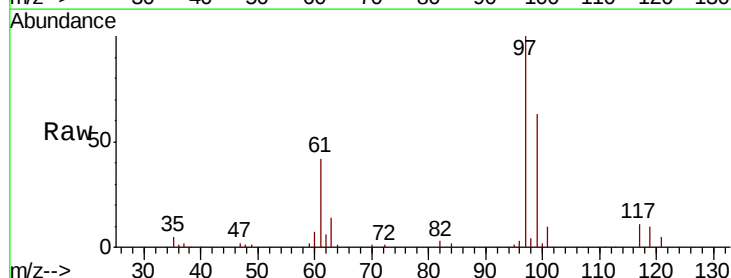
Tgt Ion: 97 Resp: 53164

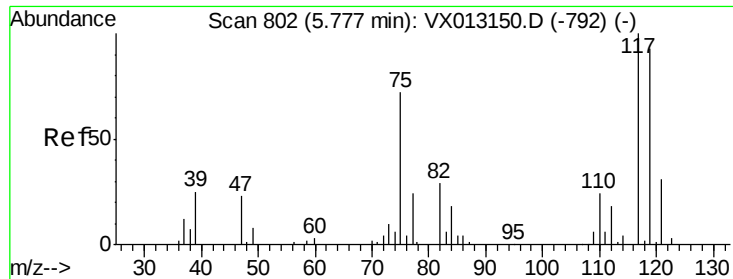
Ion Ratio Lower Upper

97 100

99 62.3 51.8 77.8

61 42.3 33.5 50.3

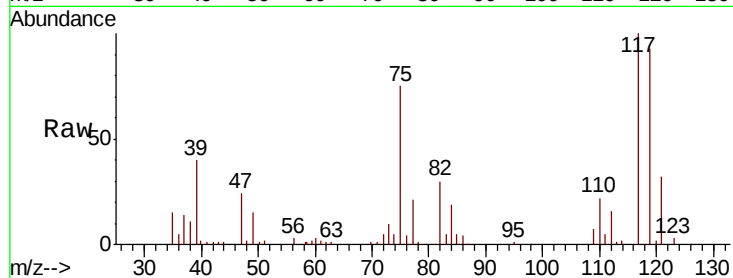




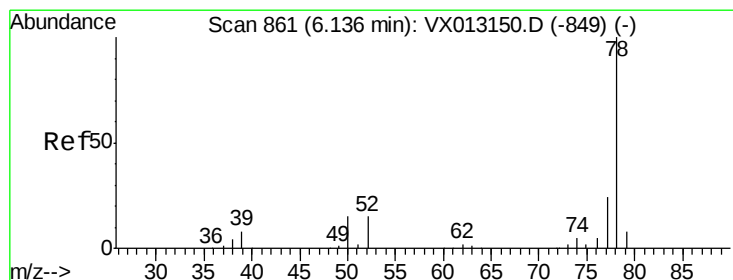
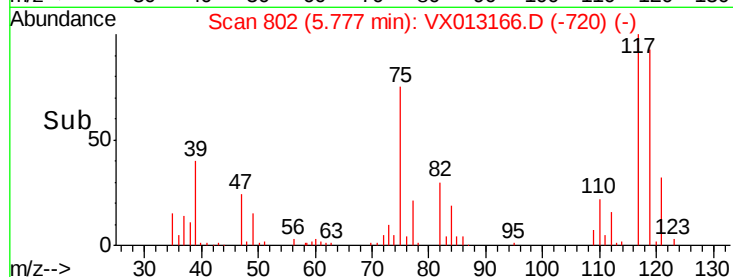
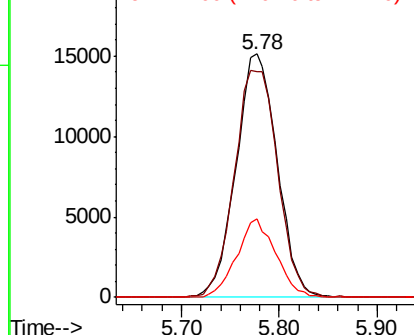
#33
Carbon Tetrachloride
Concen: 17.685 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 44338
Ion Ratio Lower Upper
117 100
119 92.2 74.9 112.3
121 32.2 25.0 37.4

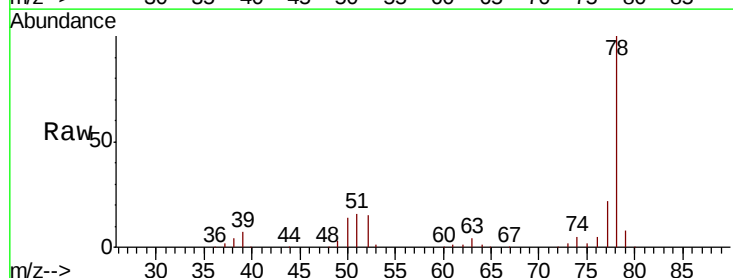


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

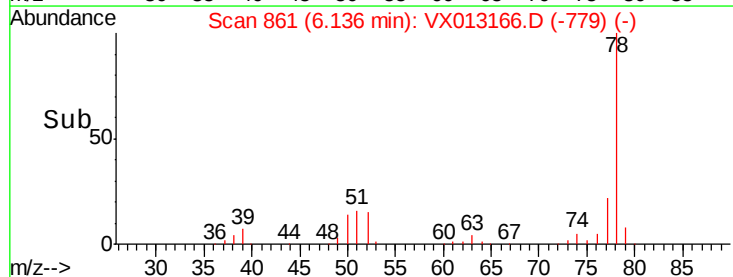
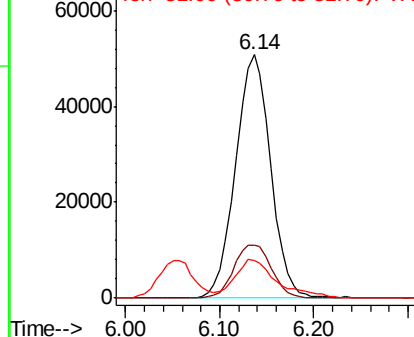


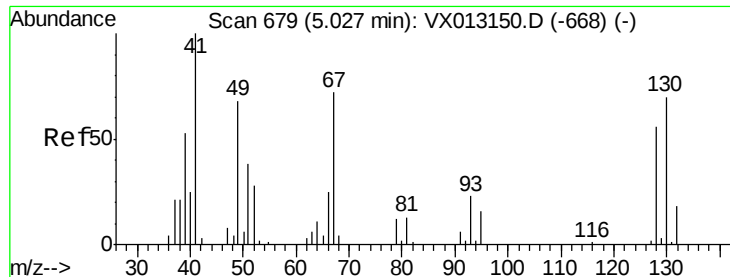
#34
Benzene
Concen: 19.008 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 78 Resp: 131910
Ion Ratio Lower Upper
78 100
77 21.8 19.3 28.9
51 15.4 11.4 17.2



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

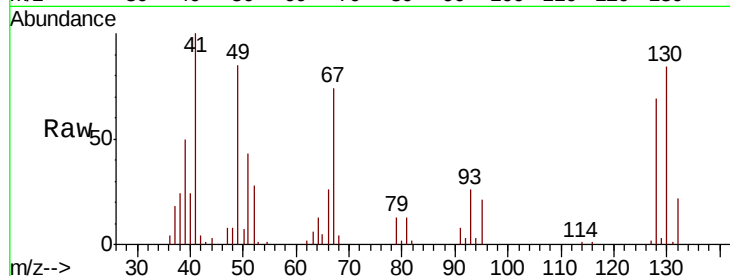




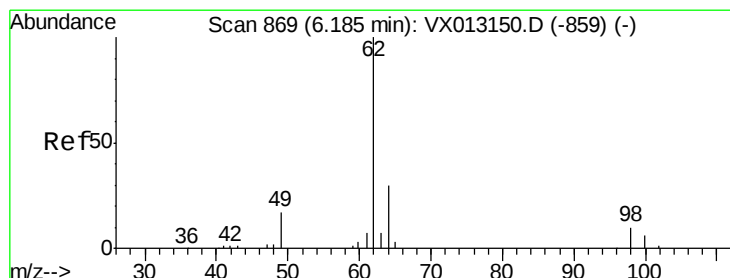
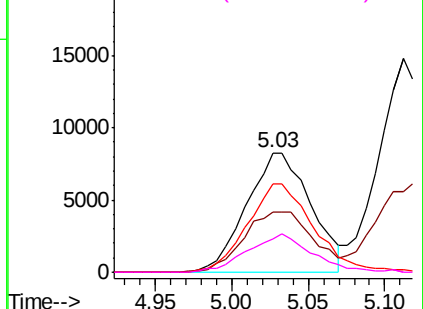
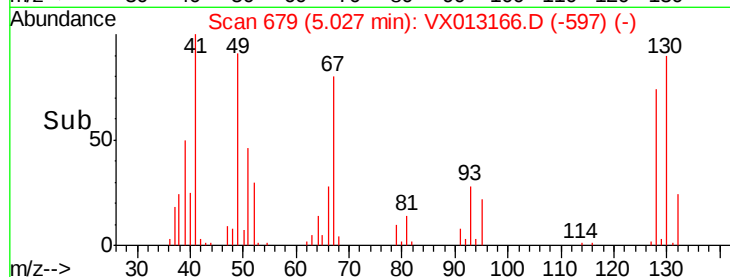
#35
Methacrylonitrile
Concen: 18.626 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 24154
Ion Ratio Lower Upper
41 100
39 49.4 26.3 78.9
67 74.4 35.8 107.4
52 27.9 14.1 42.3

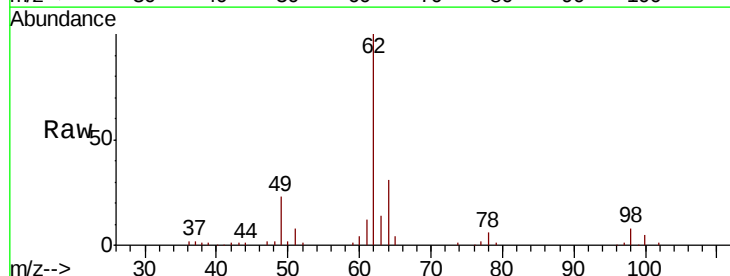


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

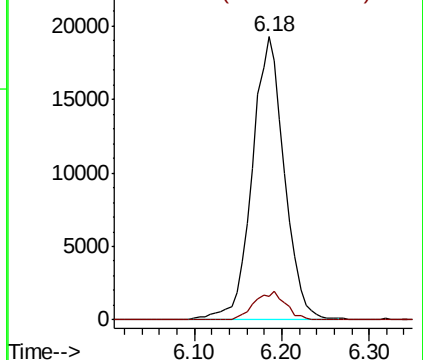
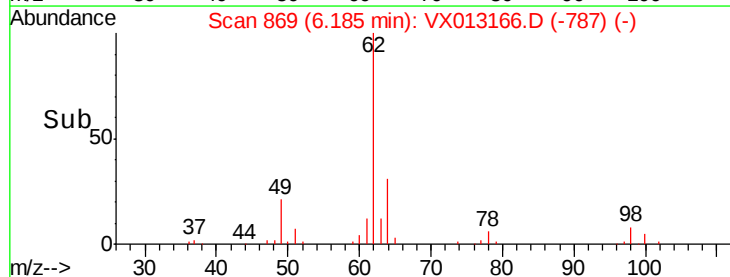


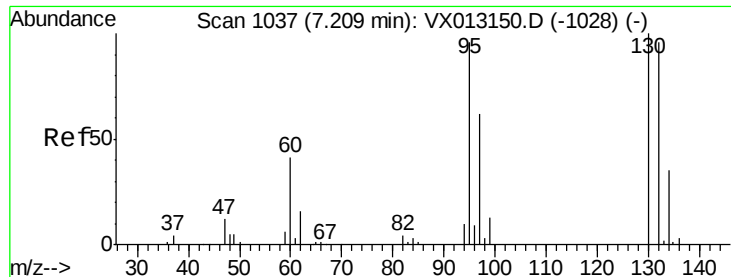
#36
1,2-Dichloroethane
Concen: 18.831 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 62 Resp: 49399
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

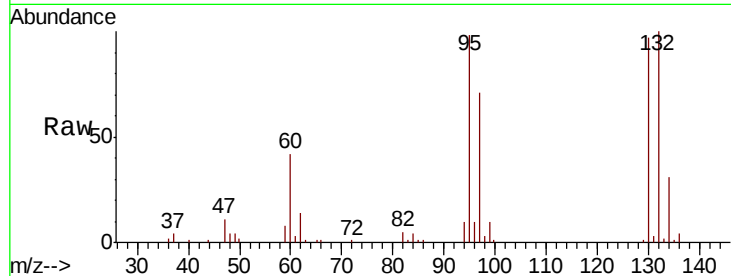




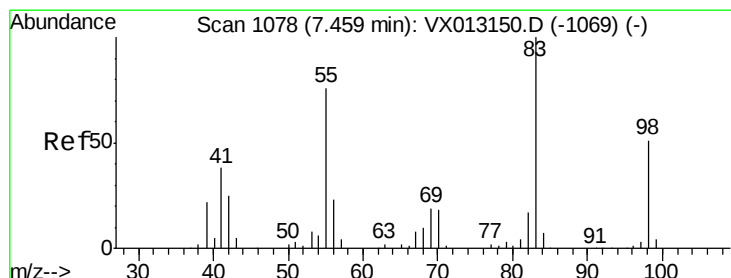
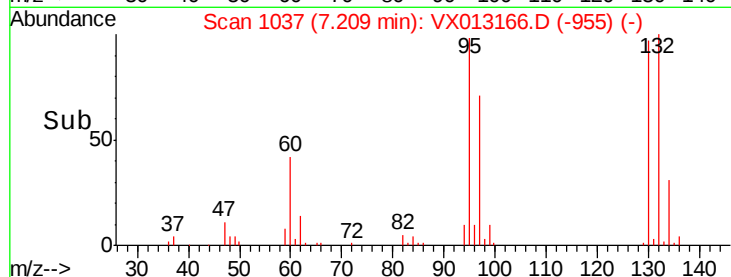
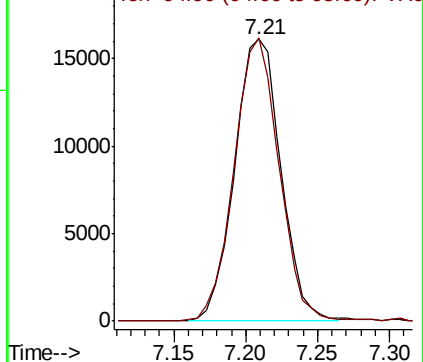
#37
 Trichloroethene
 Concen: 18.623 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 35848
 Ion Ratio Lower Upper
 130 100
 95 99.8 77.0 115.6

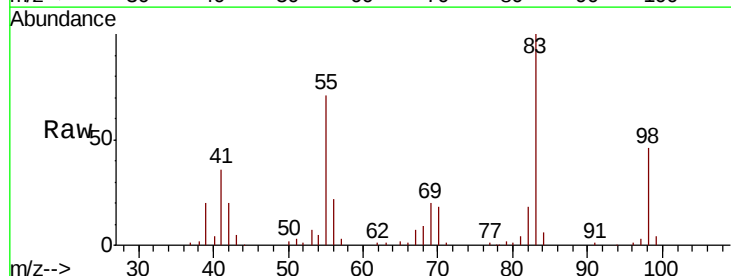


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

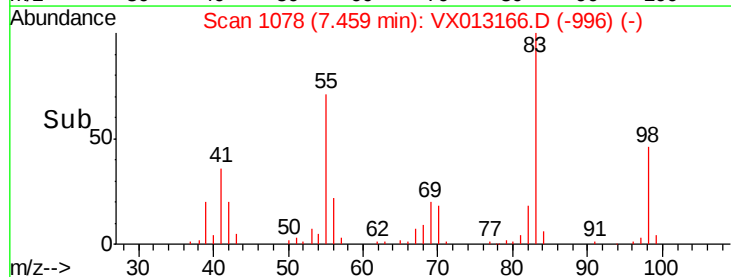
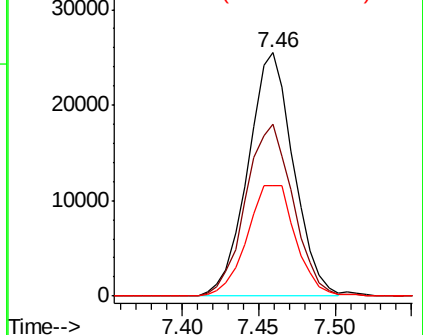


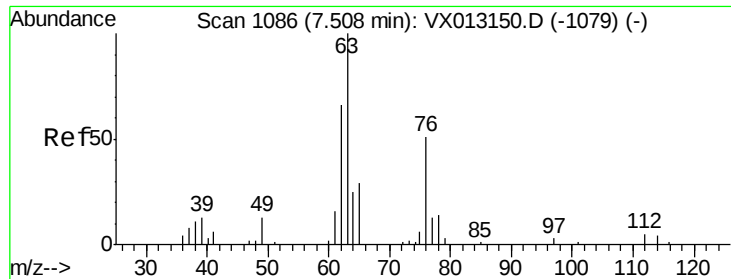
#38
 Methylcyclohexane
 Concen: 17.997 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion: 83 Resp: 52910
 Ion Ratio Lower Upper
 83 100
 55 73.5 37.5 112.5
 98 48.4 25.4 76.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

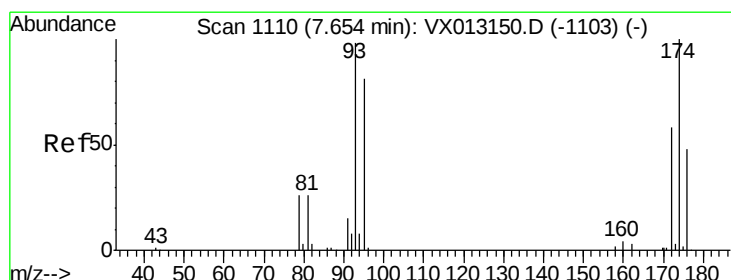
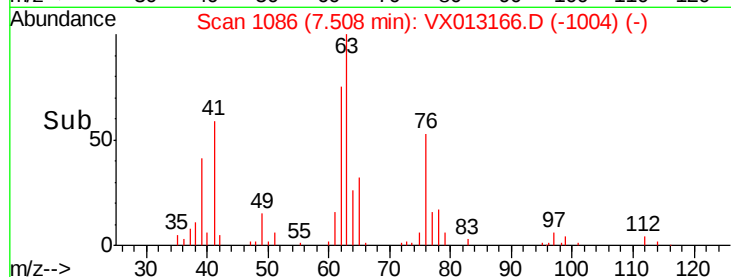
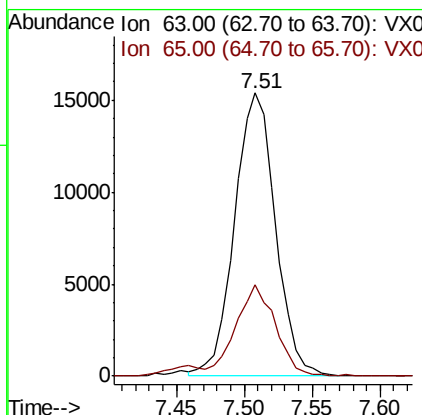
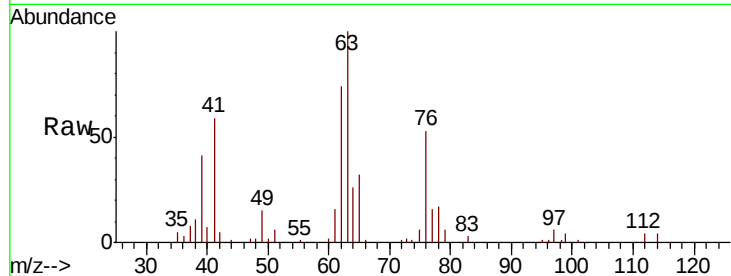




#39
 1,2-Dichloropropane
 Concen: 18.988 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

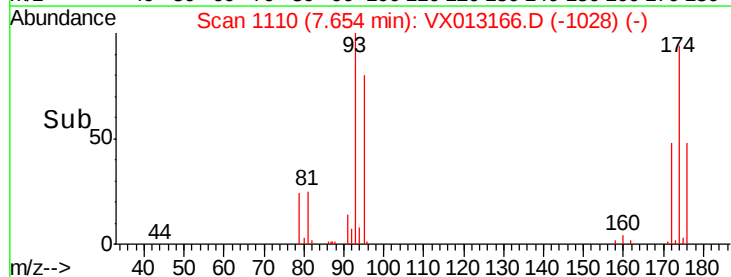
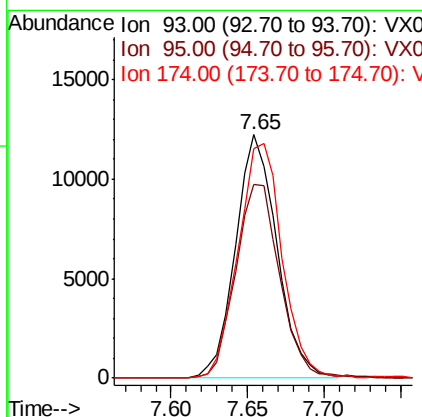
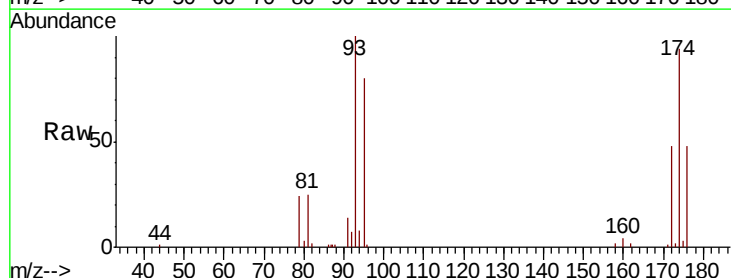
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

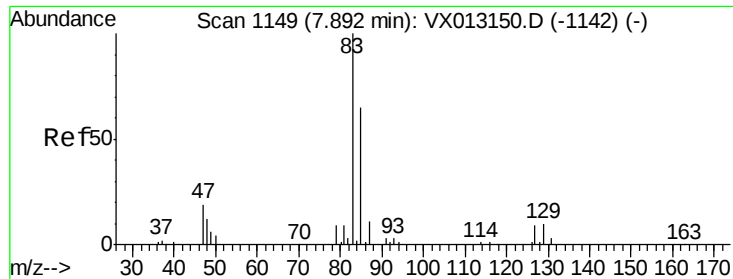
Tot Ion: 63 Resp: 32343
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2



#40
 Dibromomethane
 Concen: 18.935 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion: 93 Resp: 23038
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 166.0
 174 102.1 0.0 208.8





#41

Bromodichloromethane

Concen: 18.138 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

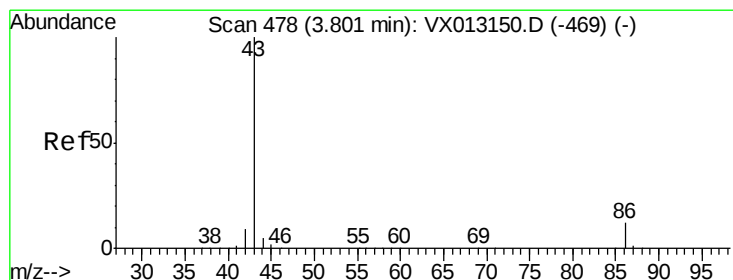
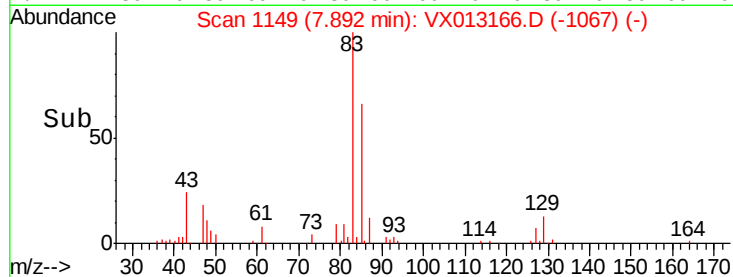
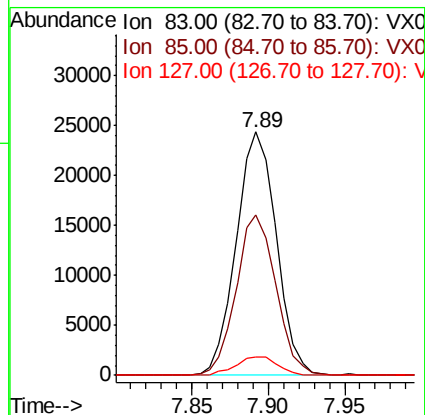
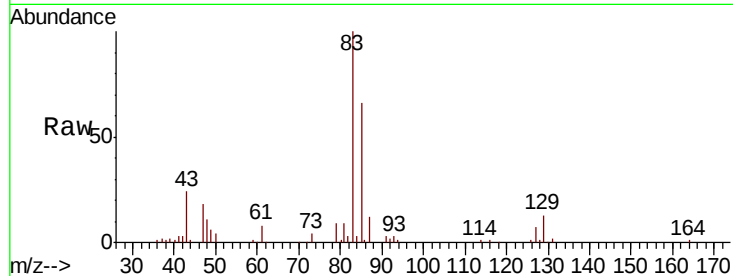
Tot Ion: 83 Resp: 44498

Ion Ratio Lower Upper

83 100

85 65.8 52.1 78.1

127 7.5 7.5 11.3#



#42

Vinyl Acetate

Concen: 93.329 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013166.D

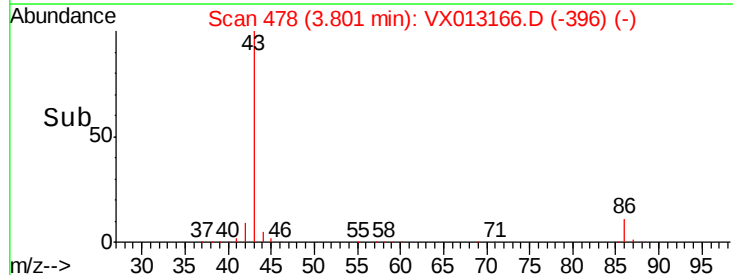
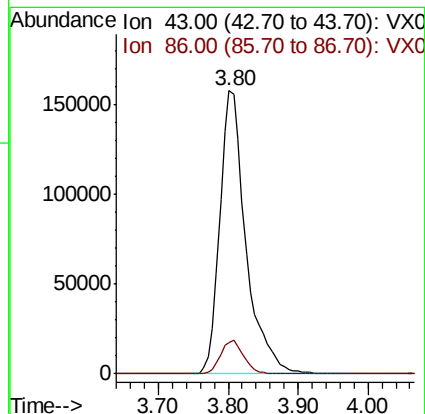
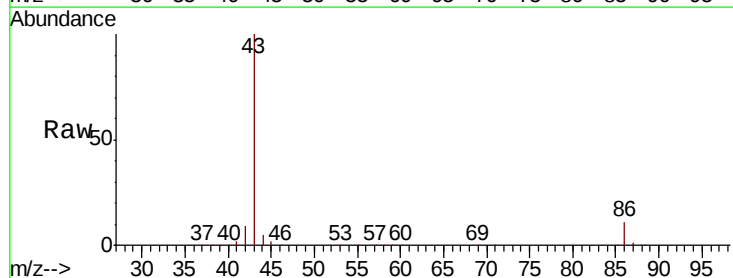
Acq: 21 Oct 2019 20:46

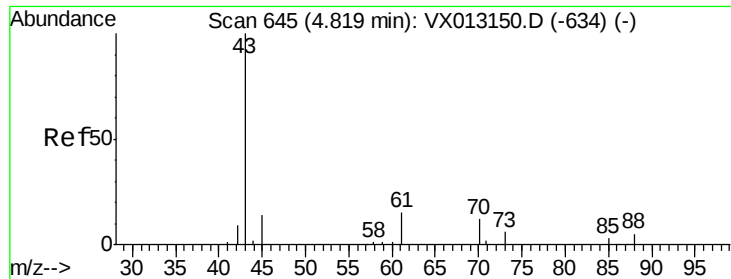
Tgt Ion: 43 Resp: 409234

Ion Ratio Lower Upper

43 100

86 10.6 8.6 12.8

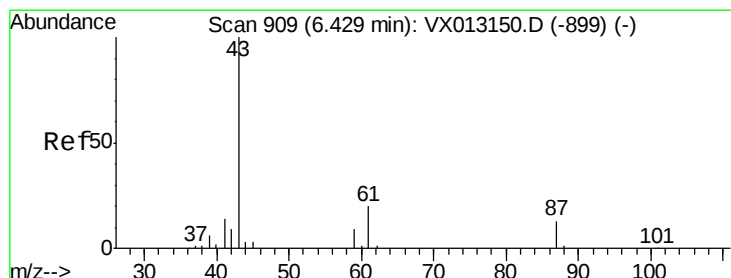
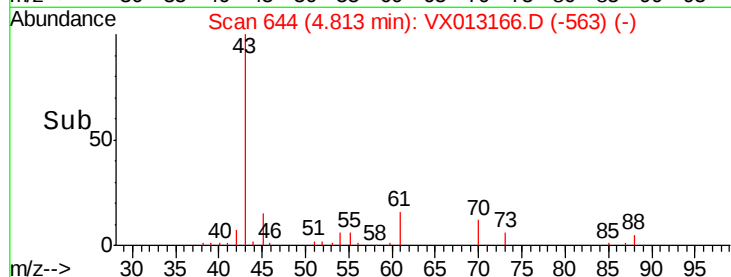
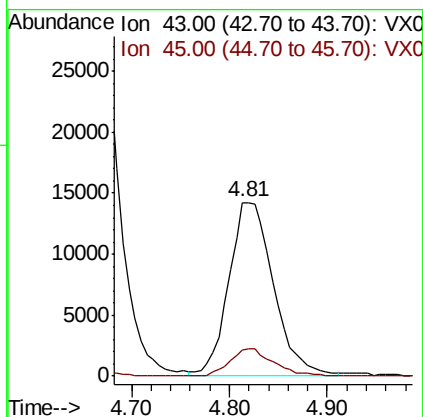
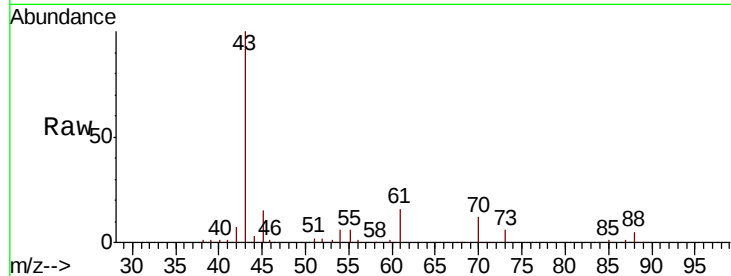




#43
Ethyl Acetate
Concen: 19.721 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

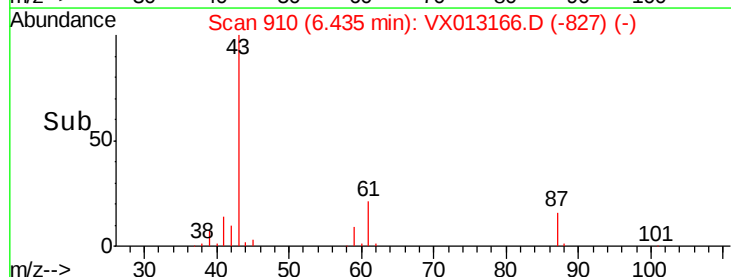
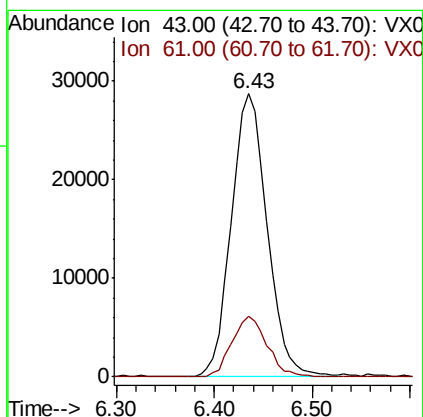
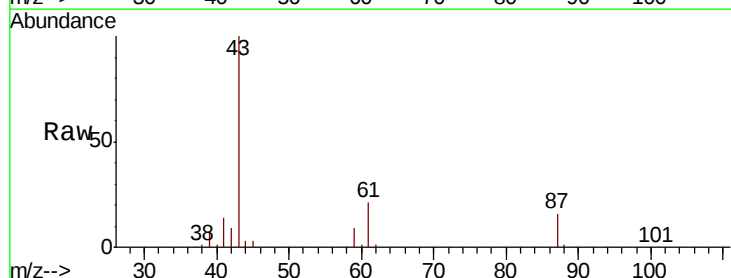
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

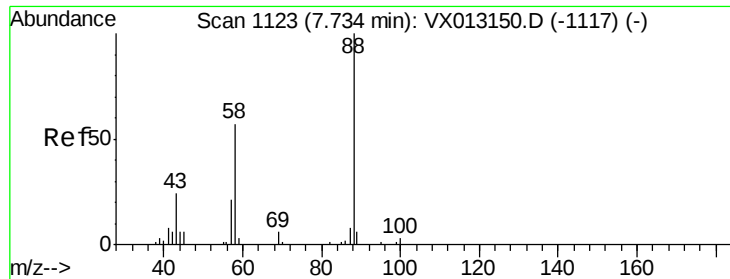
Tot Ion: 43 Resp: 45482
Ion Ratio Lower Upper
43 100
45 14.7 12.6 18.8



#44
Isopropyl Acetate
Concen: 18.960 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 43 Resp: 73490
Ion Ratio Lower Upper
43 100
61 20.9 16.8 25.2

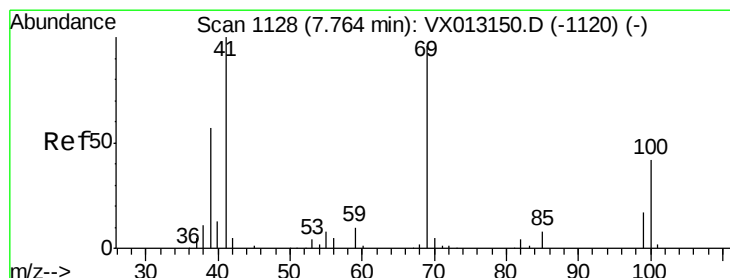
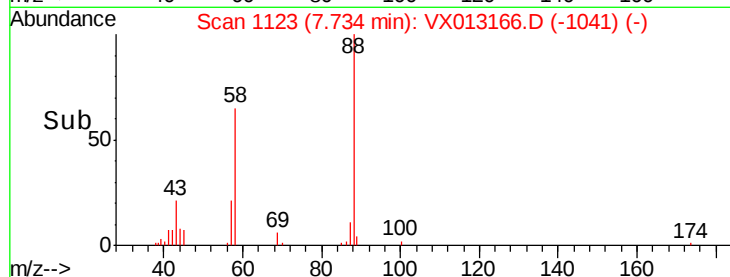
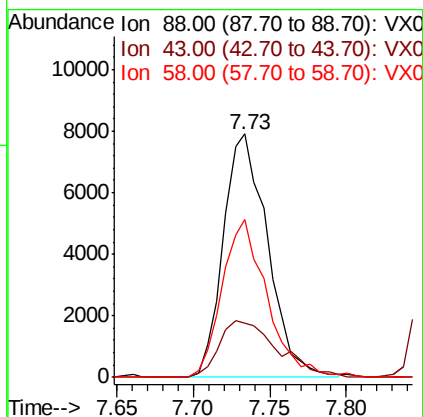
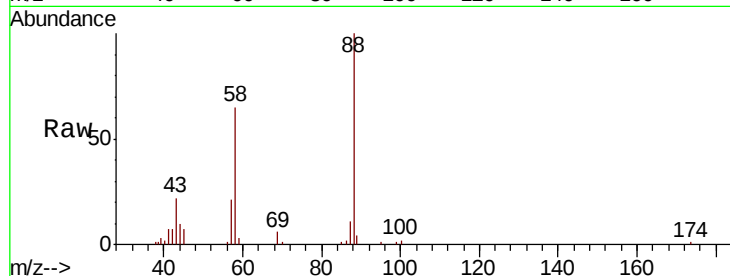




#45
 1,4-Dioxane
 Concen: 324.037 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

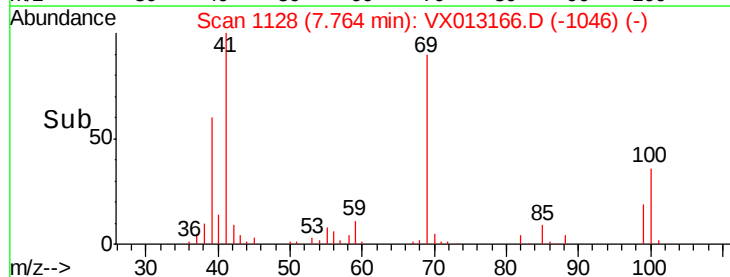
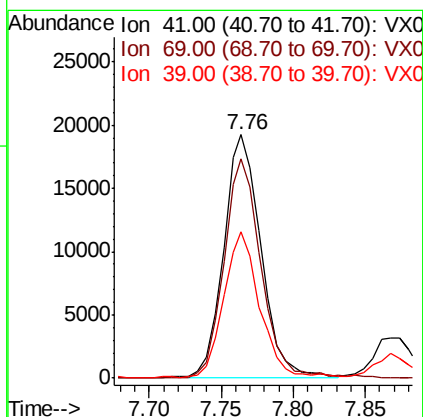
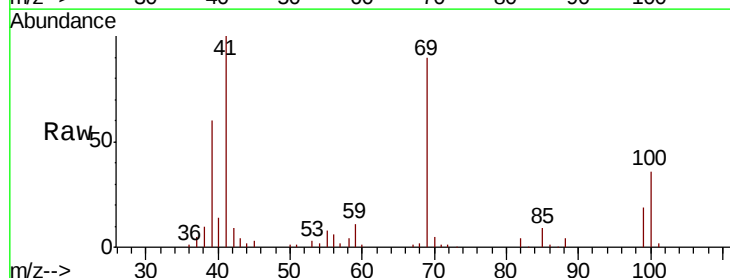
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

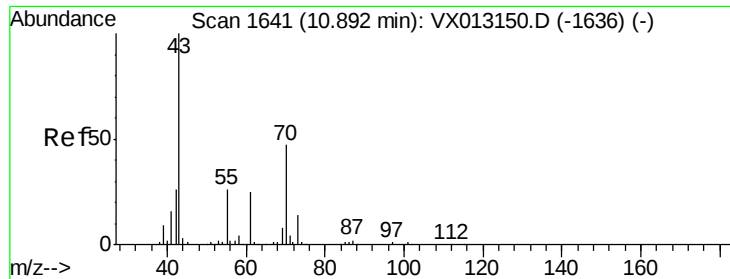
Tot Ion: 88 Resp: 15884
 Ion Ratio Lower Upper
 88 100
 43 30.7 24.0 36.0
 58 65.3 52.8 79.2



#46
 Methyl methacrylate
 Concen: 18.303 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion: 41 Resp: 34909
 Ion Ratio Lower Upper
 41 100
 69 90.5 47.8 143.3
 39 60.0 28.5 85.5





#47

n-amvl Acetate

Concen: 18.186 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

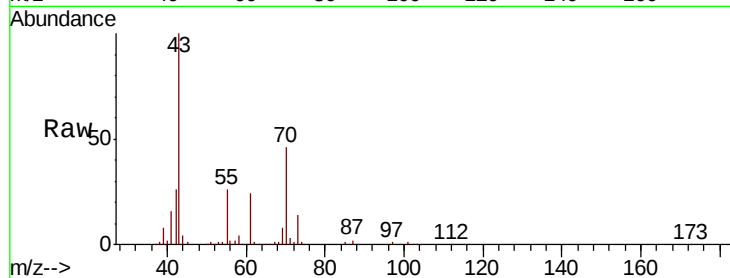
VSTDCCC020EC

Tot Ion: 43 Resp: 59419

Ion Ratio Lower Upper

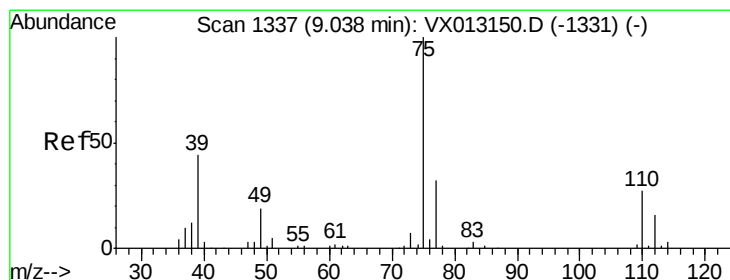
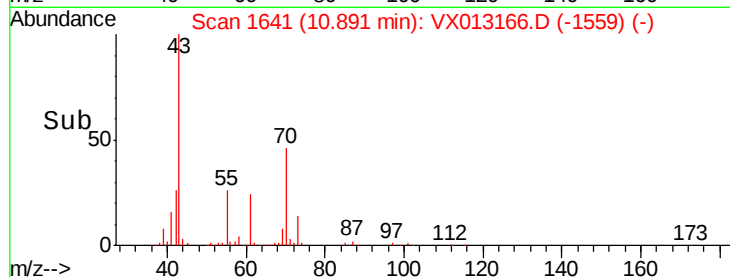
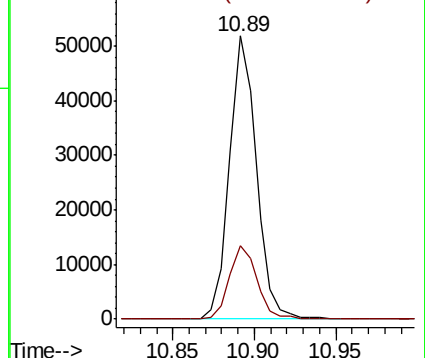
43 100

55 26.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 17.662 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013166.D

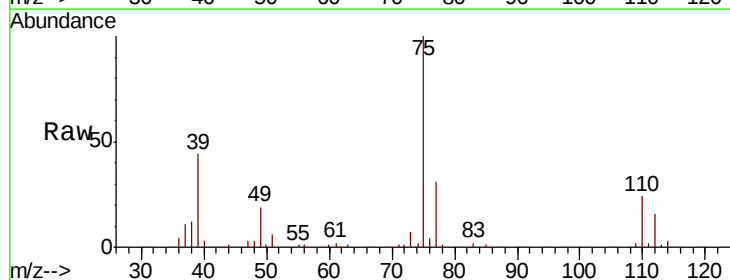
Acq: 21 Oct 2019 20:46

Tgt Ion: 75 Resp: 47530

Ion Ratio Lower Upper

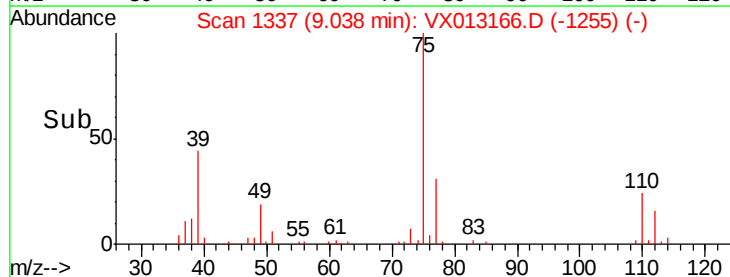
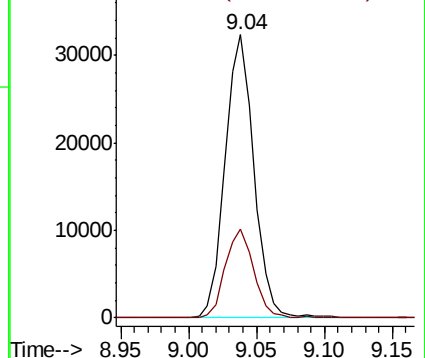
75 100

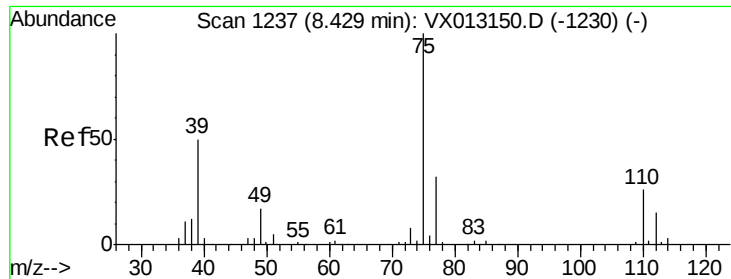
77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



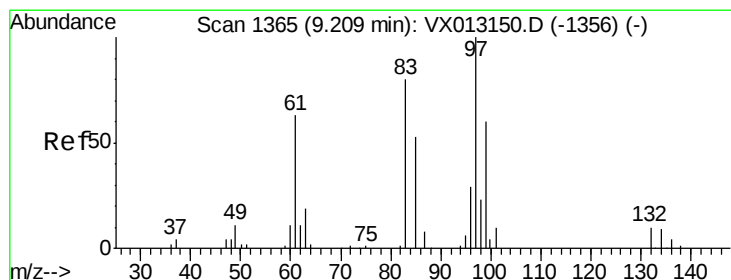
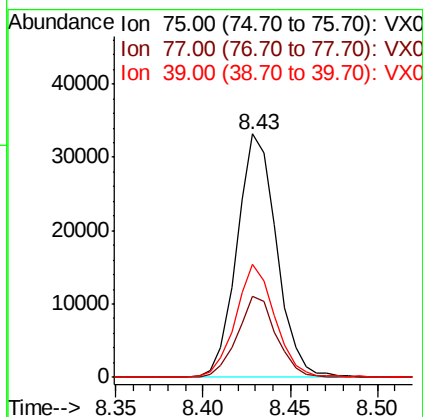
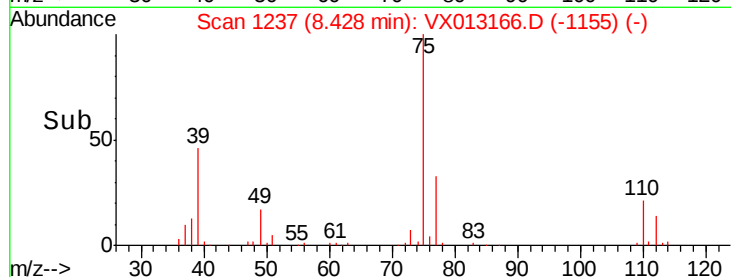
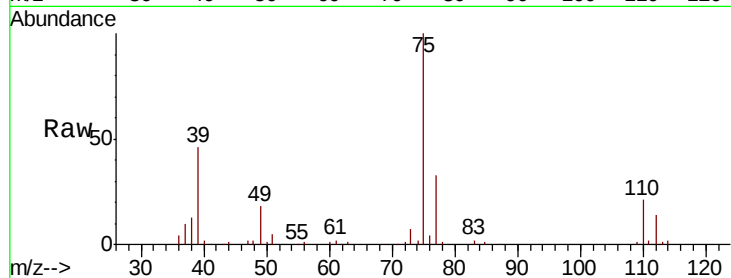


#49

cis-1,3-Dichloropropene
 Concen: 17.842 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

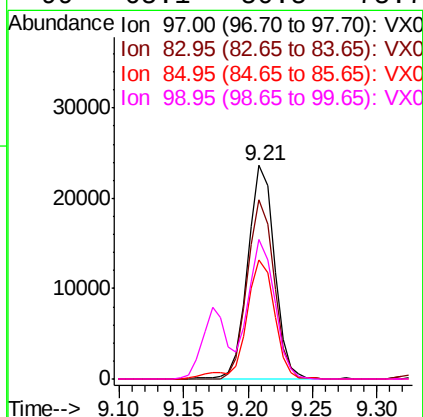
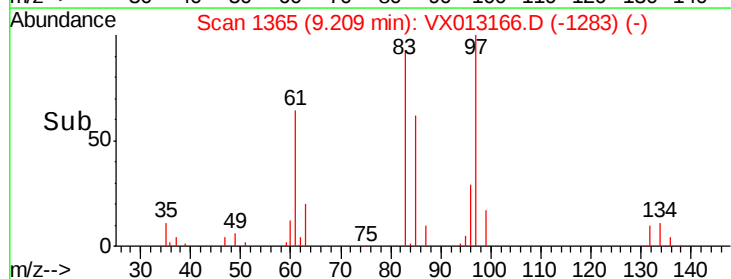
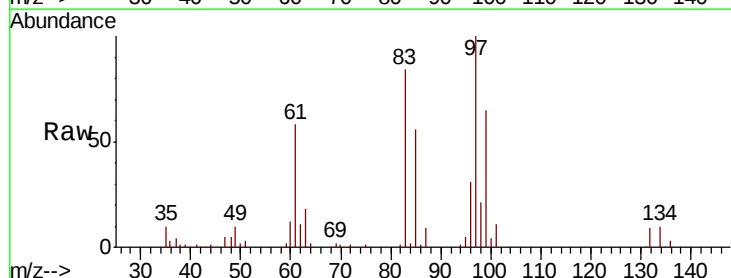
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.8	38.8
39	46.4	39.7	59.5

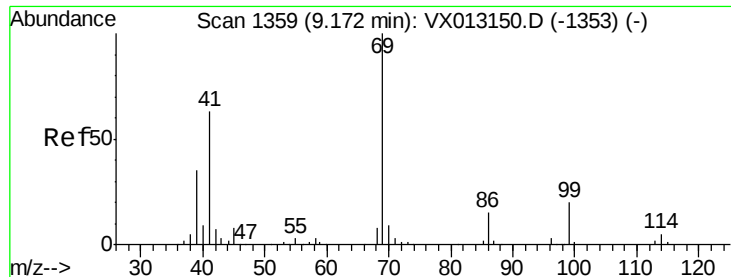


#50

1,1,2-Trichloroethane
 Concen: 18.874 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.2	96.4
85	55.9	42.7	64.1
99	65.1	50.5	75.7





#51

Ethyl methacrylate

Concen: 18.299 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

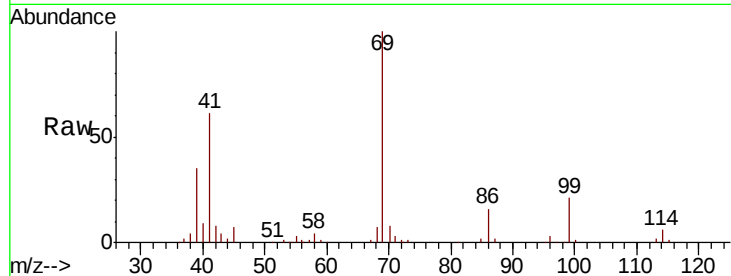
Tot Ion: 69 Resp: 51553

Ion Ratio Lower Upper

69 100

41 61.3 31.6 95.0

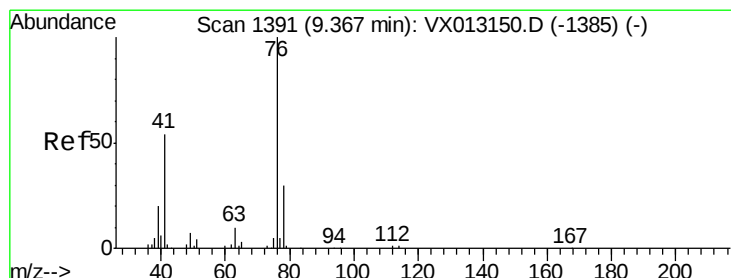
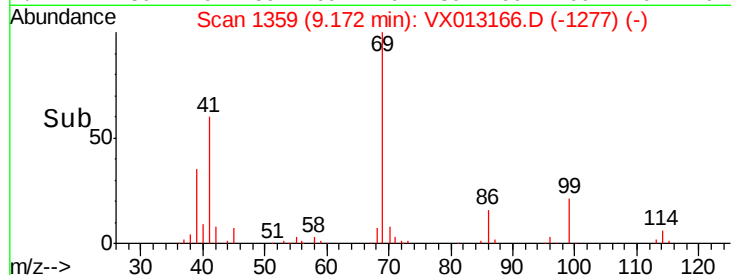
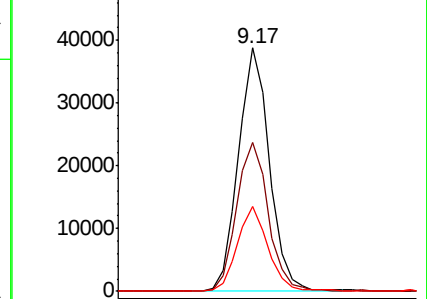
39 34.8 17.7 53.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.780 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013166.D

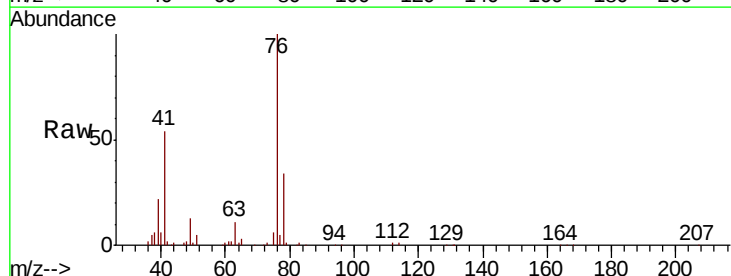
Acq: 21 Oct 2019 20:46

Tgt Ion: 76 Resp: 56825

Ion Ratio Lower Upper

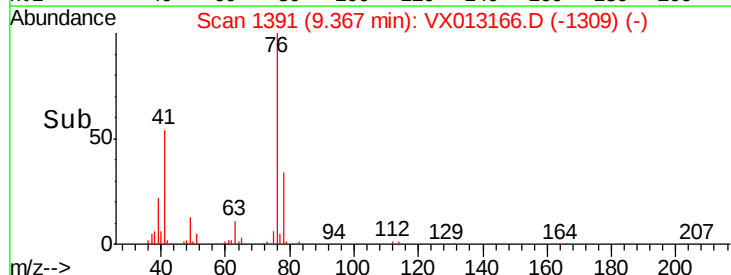
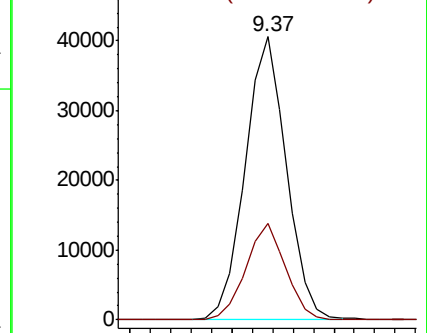
76 100

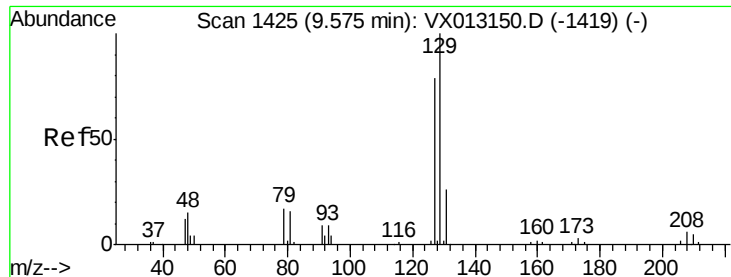
78 33.0 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.850 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

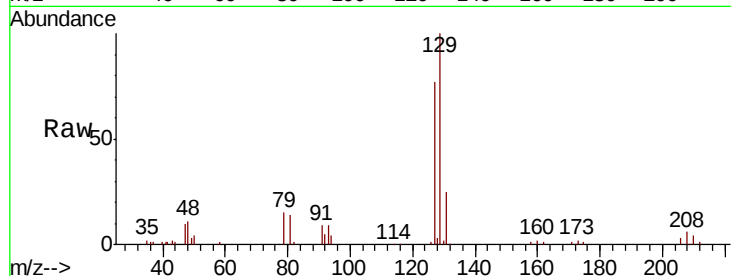
VSTDCCC020EC

Tot Ion:129 Resp: 34597

Ion Ratio Lower Upper

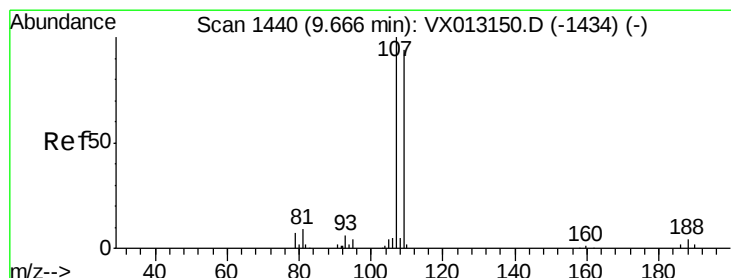
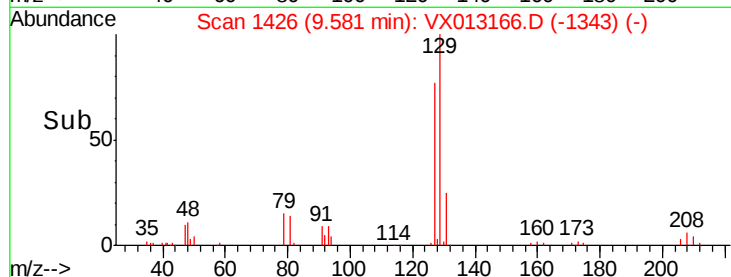
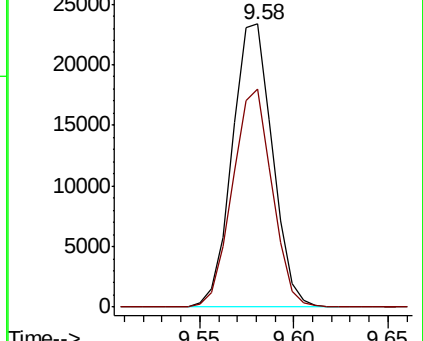
129 100

127 75.7 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.107 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013166.D

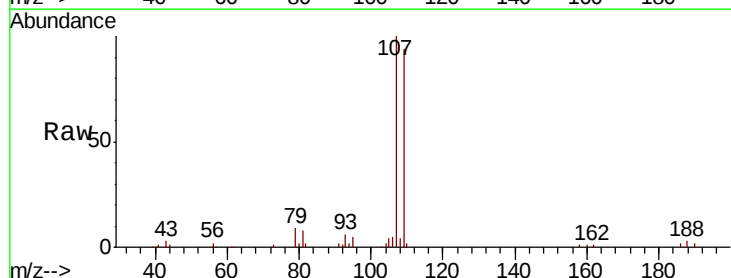
Acq: 21 Oct 2019 20:46

Tgt Ion:107 Resp: 36707

Ion Ratio Lower Upper

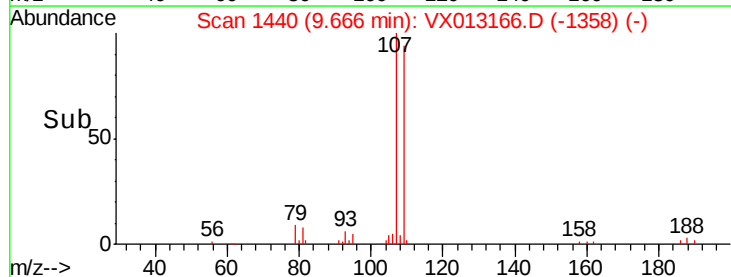
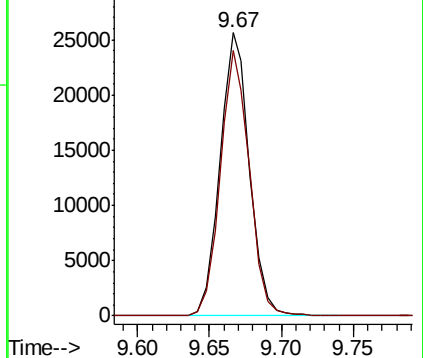
107 100

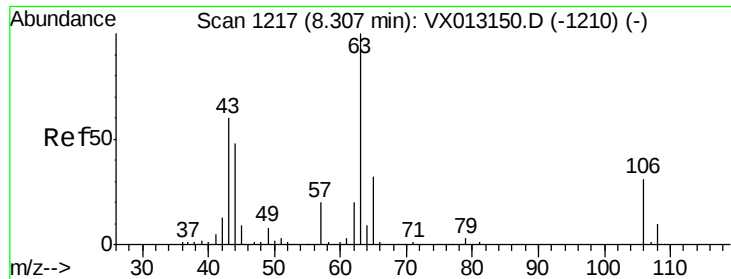
109 92.5 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

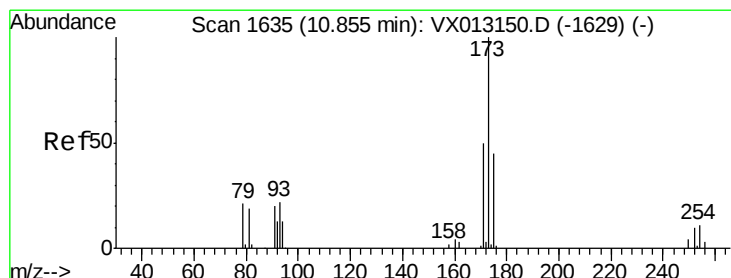
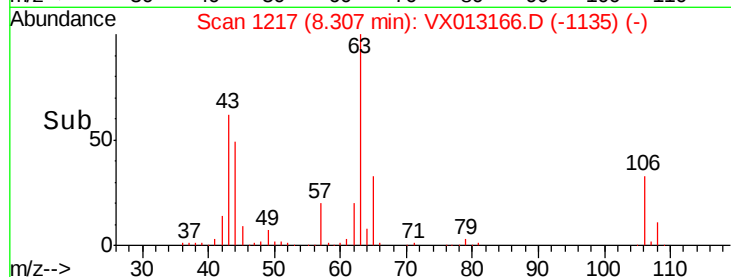
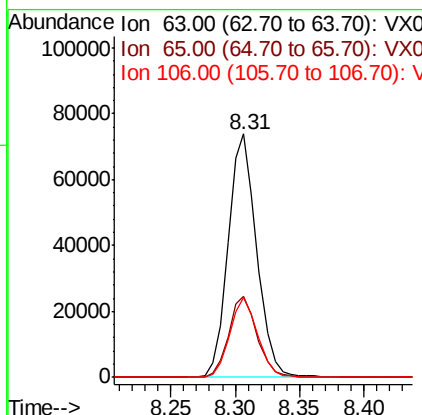
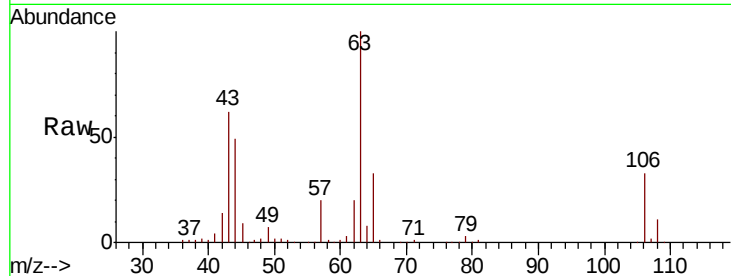




#55
2-Chloroethyl vinyl ether
Concen: 99.792 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

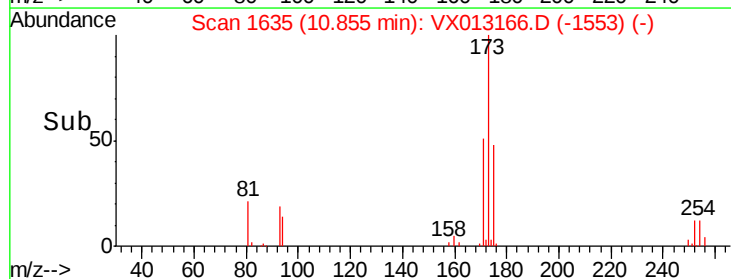
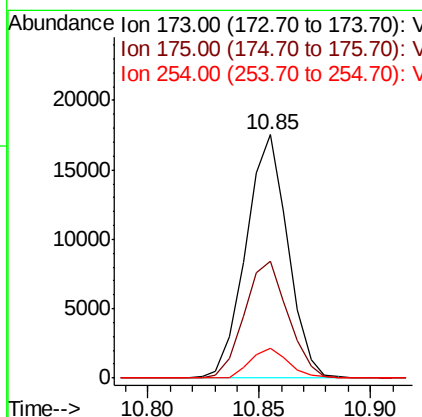
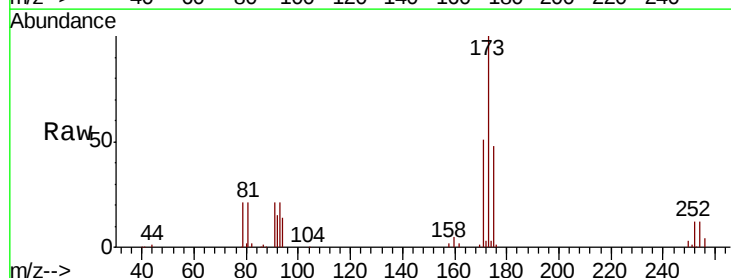
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

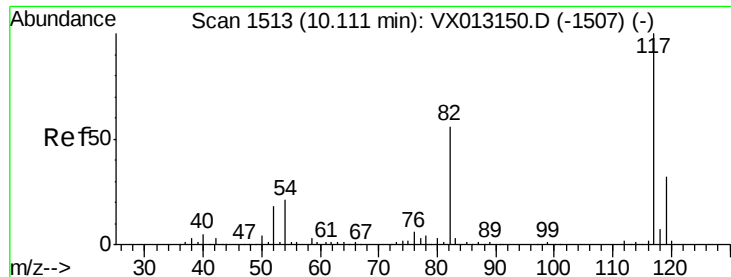
Tot Ion: 63 Resp: 114206
Ion Ratio Lower Upper
63 100
65 33.0 25.5 38.3
106 31.8 24.8 37.2



#56
Bromoform
Concen: 16.745 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 173 Resp: 23025
Ion Ratio Lower Upper
173 100
175 49.9 39.0 58.4
254 11.1 8.1 12.1

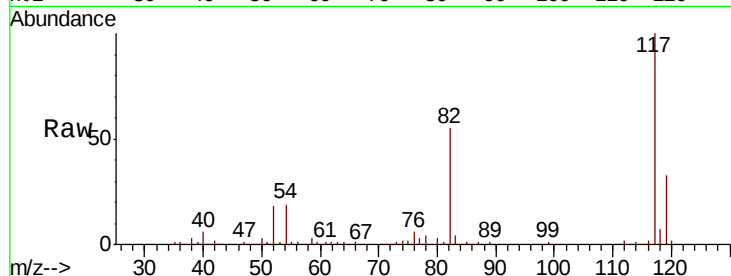




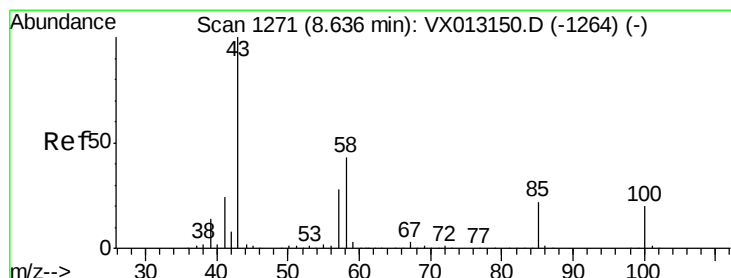
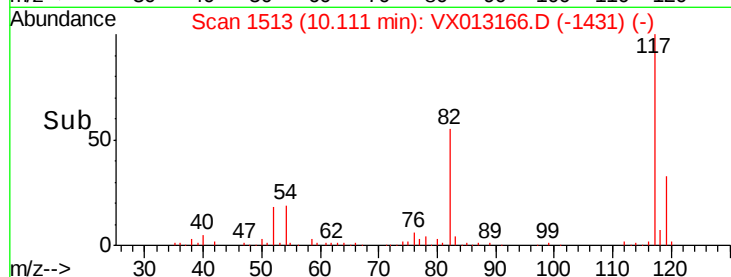
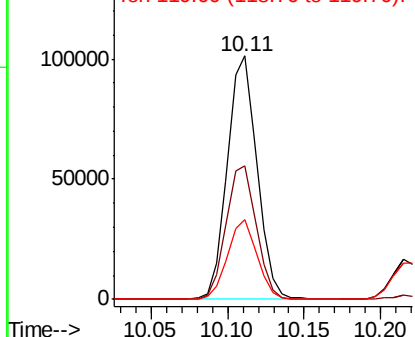
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 136174
Ion Ratio Lower Upper
117 100
82 56.1 46.0 69.0
119 32.5 25.4 38.0

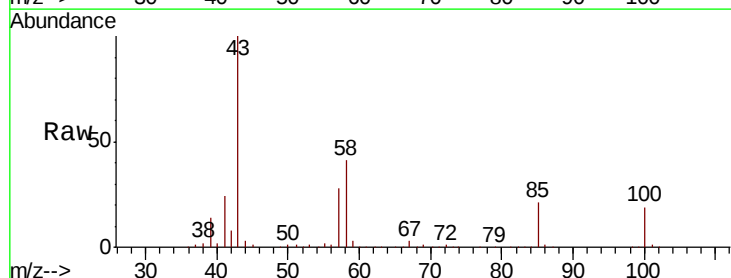


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

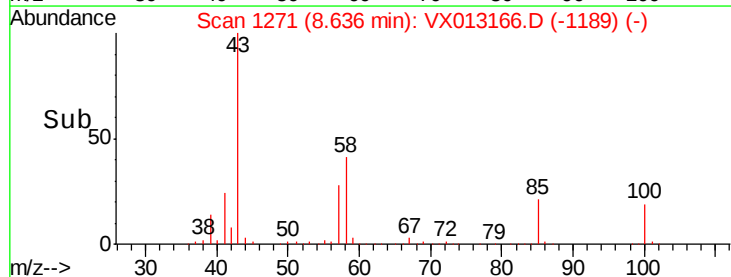
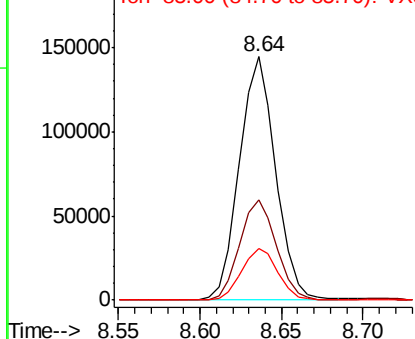


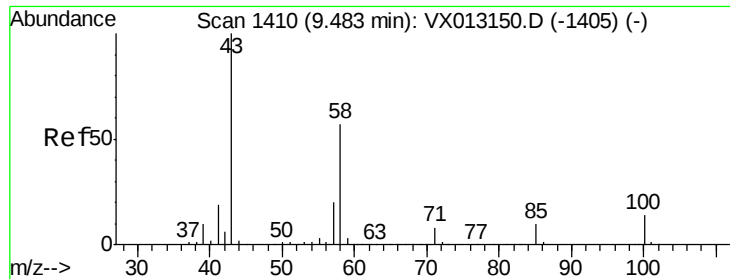
#58
4-Methyl-2-Pentanone
Concen: 97.448 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 43 Resp: 223603
Ion Ratio Lower Upper
43 100
58 41.7 33.8 50.8
85 21.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

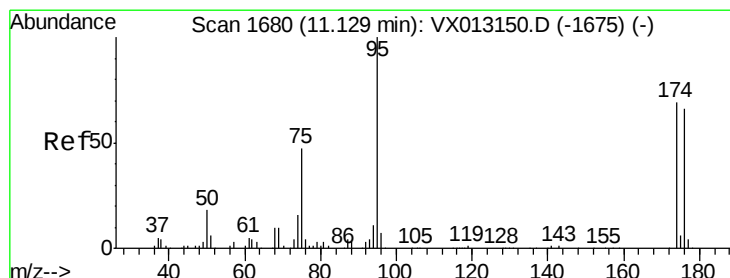
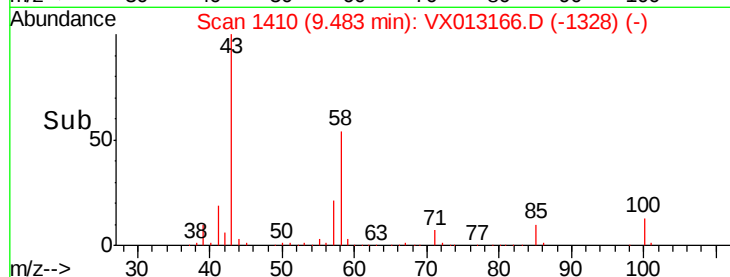
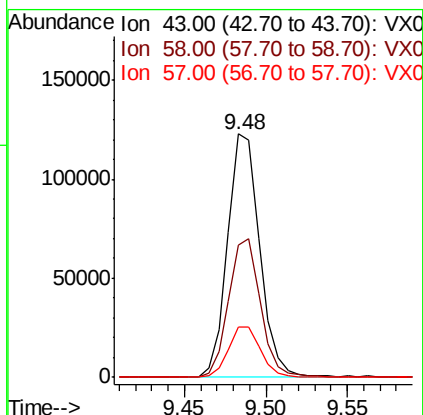
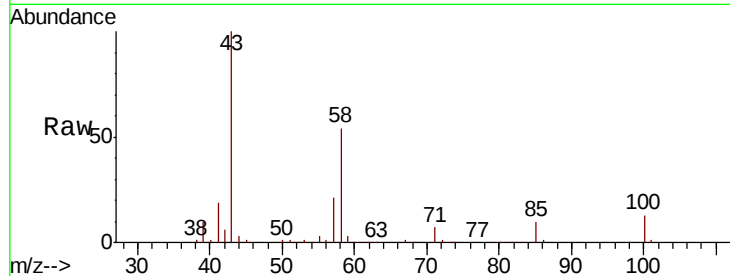




#59
2-Hexanone
Concen: 93.462 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

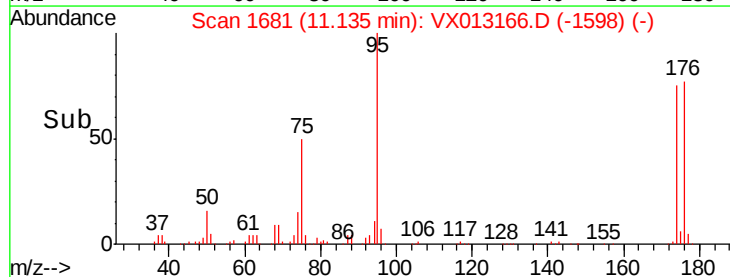
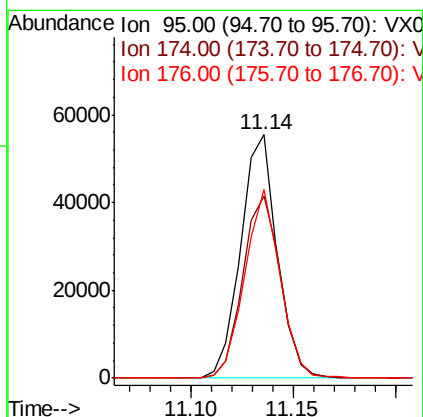
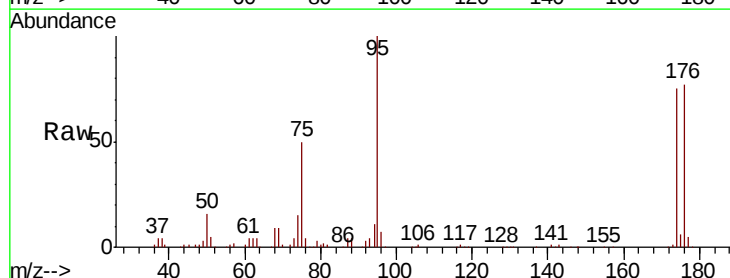
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

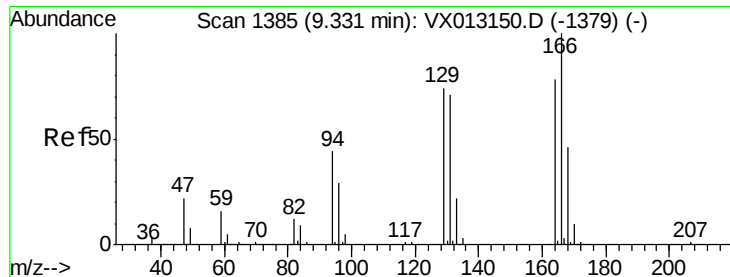
Tot Ion: 43 Resp: 168072
Ion Ratio Lower Upper
43 100
58 56.8 46.6 69.8
57 21.0 16.9 25.3



#60
4-Bromofluorobenzene
Concen: 29.005 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 95 Resp: 68777
Ion Ratio Lower Upper
95 100
174 77.6 60.0 90.0
176 75.5 58.5 87.7





#61

Tetrachloroethene

Concen: 20.204 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 36473

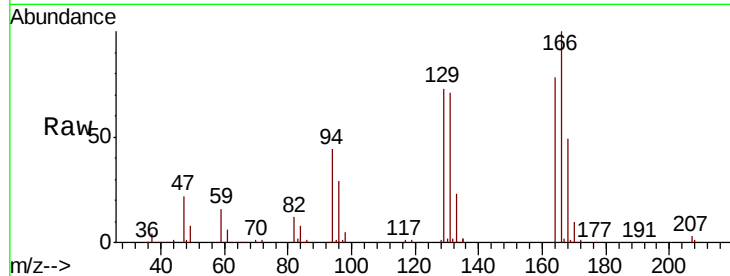
Ion Ratio Lower Upper

164 100

166 128.2 102.6 153.8

129 93.9 75.7 113.5

131 90.7 72.4 108.6

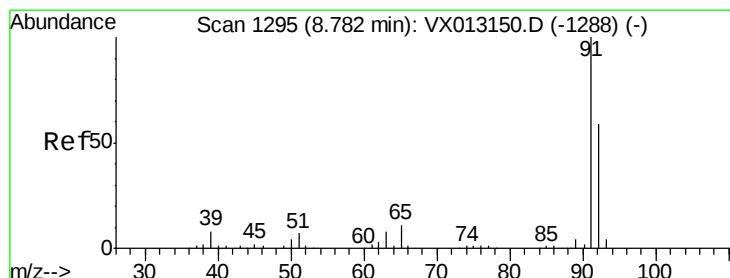
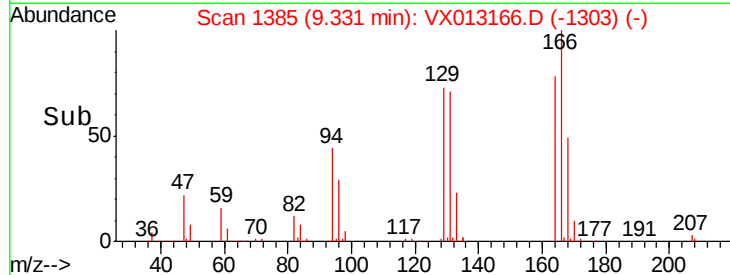
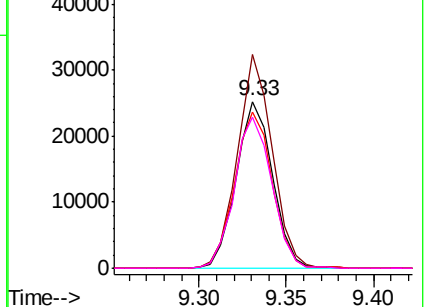


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.321 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013166.D

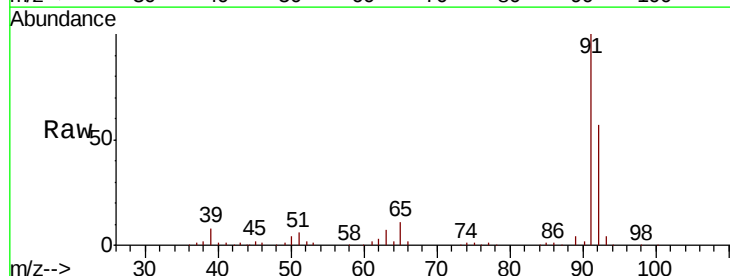
Acq: 21 Oct 2019 20:46

Tgt Ion: 91 Resp: 142027

Ion Ratio Lower Upper

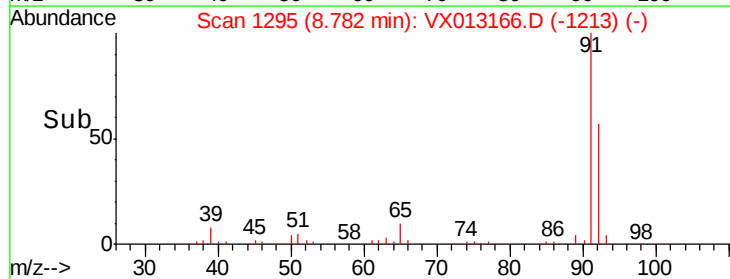
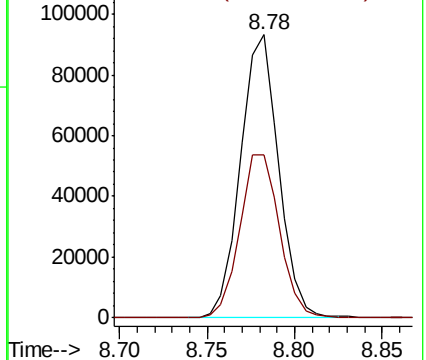
91 100

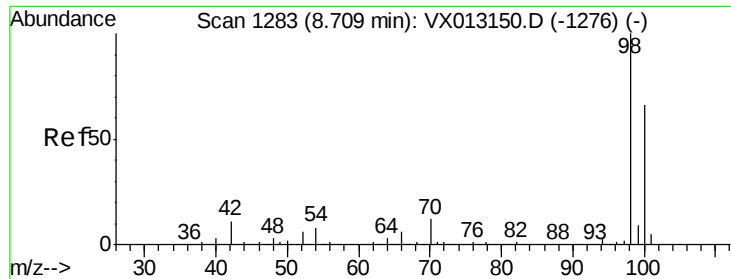
92 60.2 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

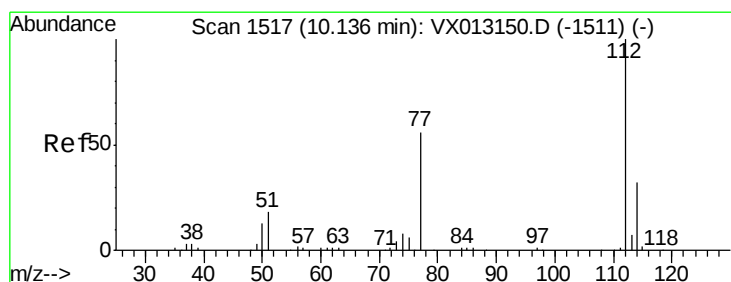
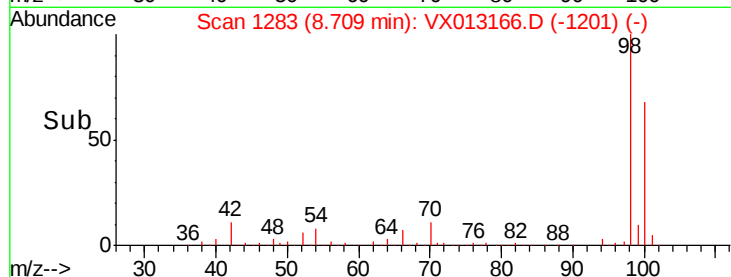
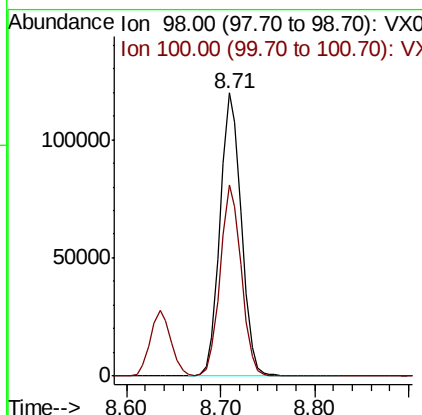
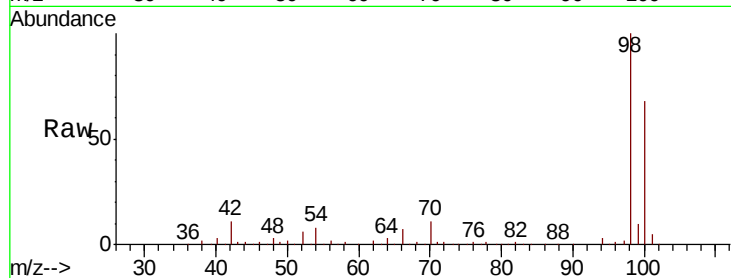




#63
Toluene-d8
Concen: 30.984 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

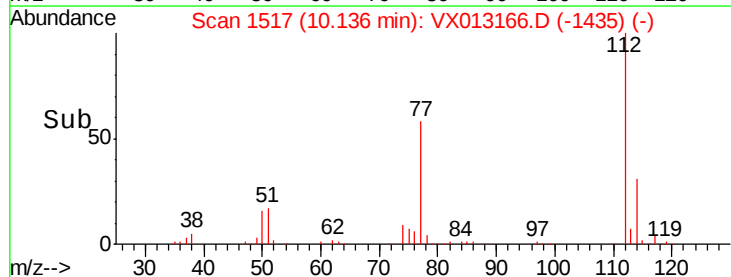
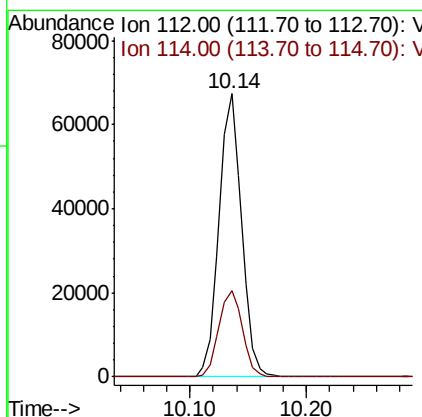
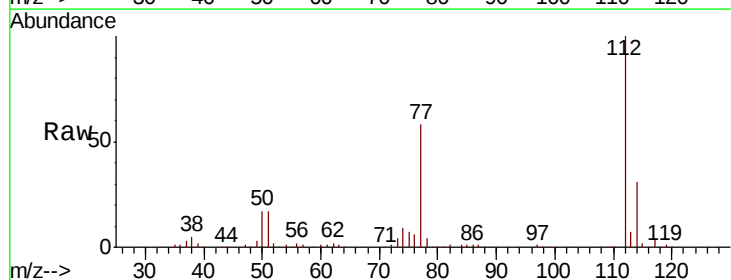
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

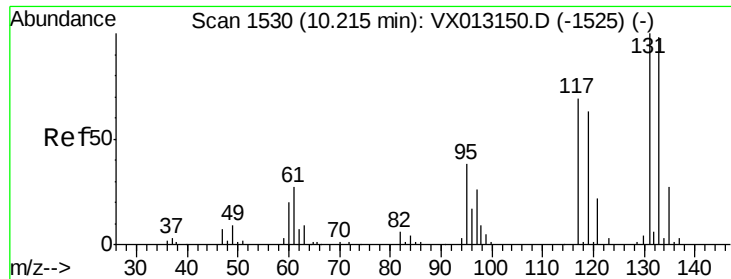
Tot Ion: 98 Resp: 187656
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#64
Chlorobenzene
Concen: 19.076 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 112 Resp: 89911
Ion Ratio Lower Upper
112 100
114 30.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.940 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

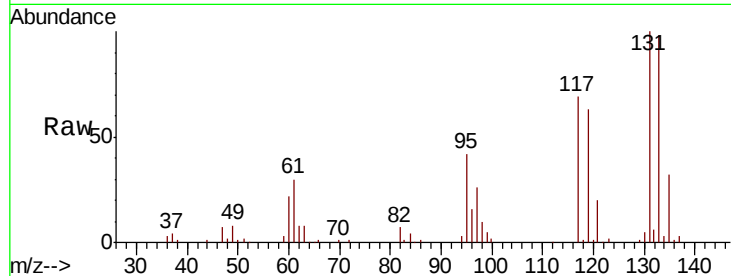
Tot Ion:131 Resp: 33441

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.0

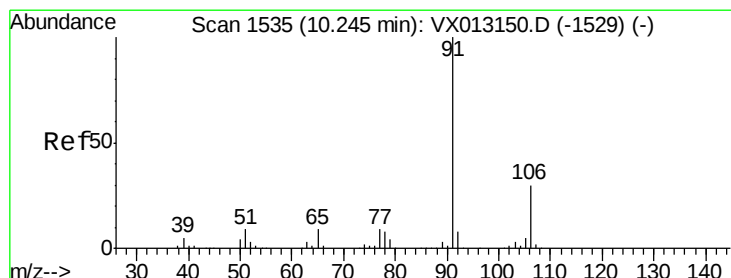
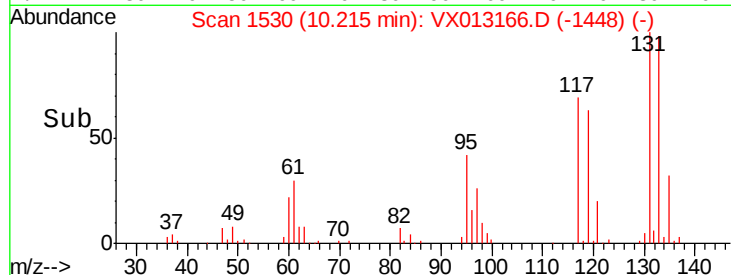
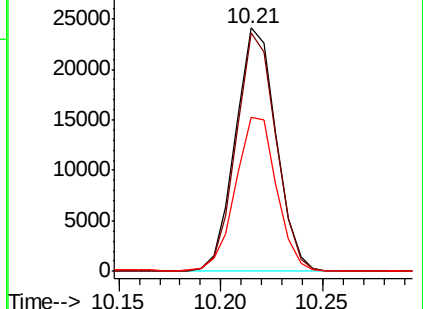
119 63.7 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.009 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013166.D

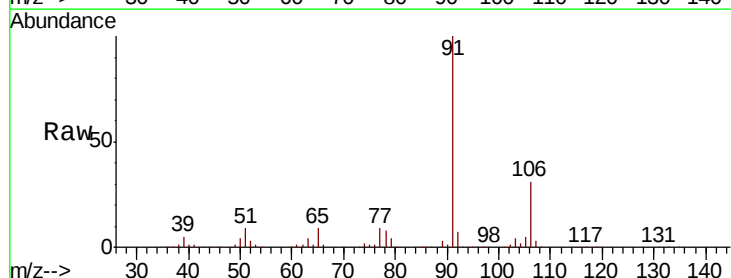
Acq: 21 Oct 2019 20:46

Tgt Ion: 91 Resp: 160826

Ion Ratio Lower Upper

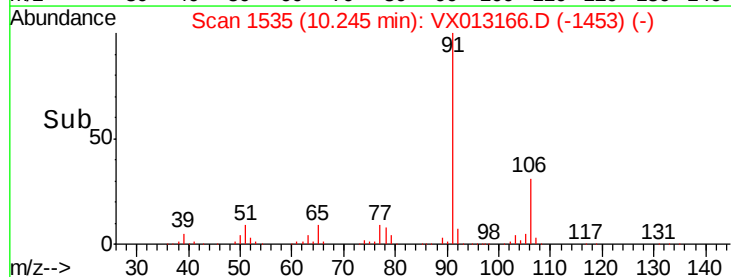
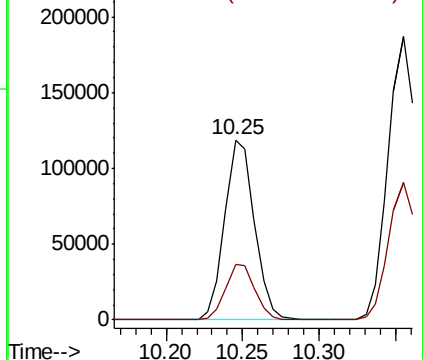
91 100

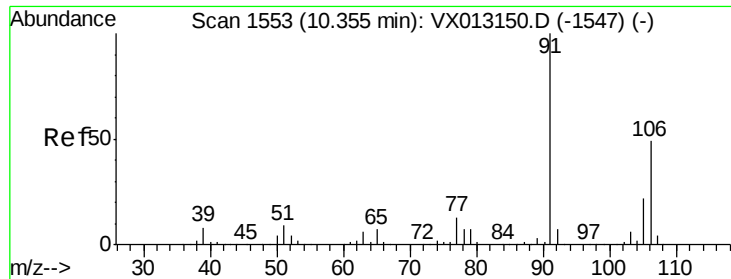
106 30.7 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

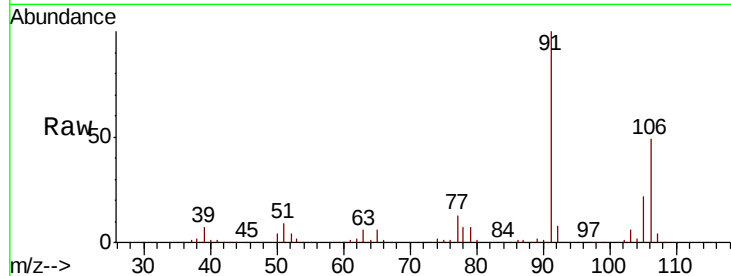




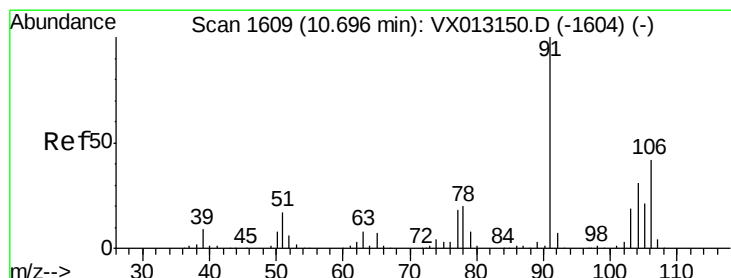
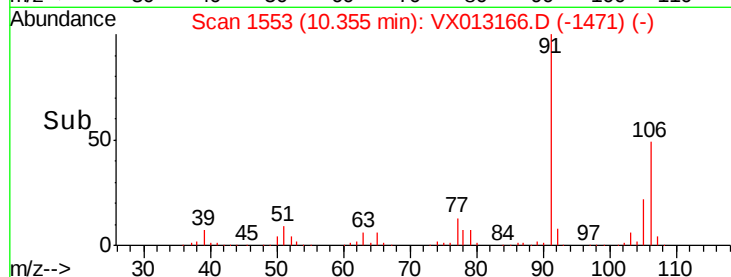
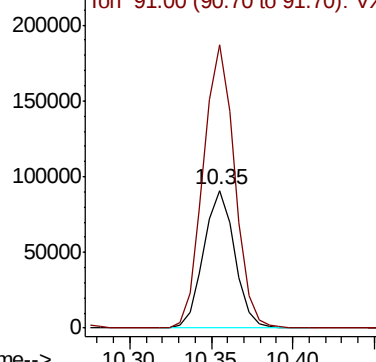
#67
m/p-Xylenes
Concen: 37.513 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 120624
Ion Ratio Lower Upper
106 100
91 208.0 163.7 245.5

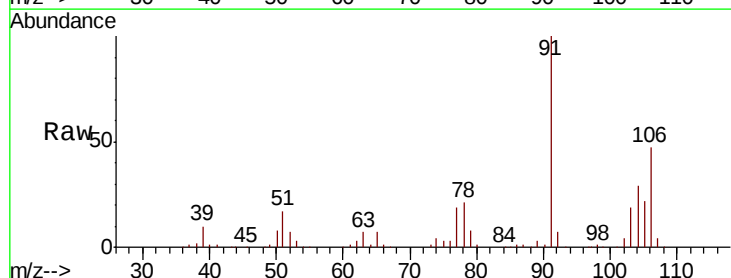


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

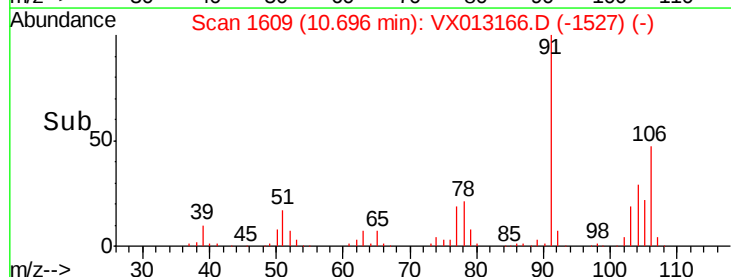
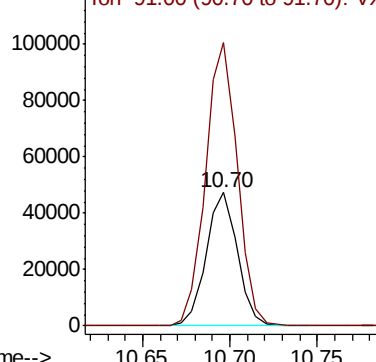


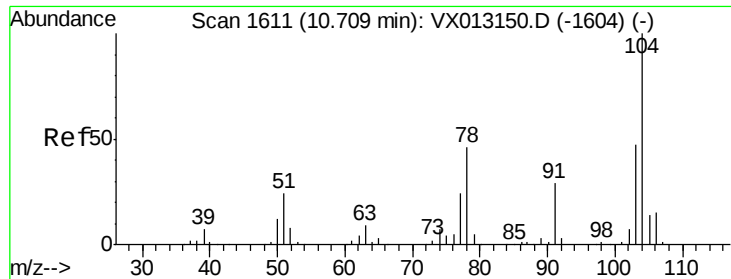
#68
o-Xylene
Concen: 19.109 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion:106 Resp: 58656
Ion Ratio Lower Upper
106 100
91 216.0 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

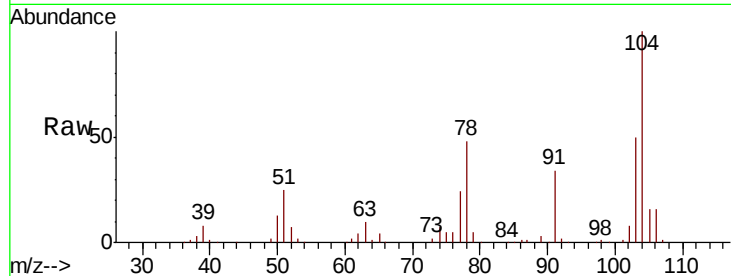




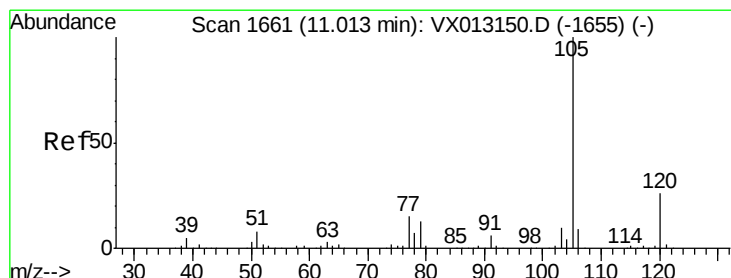
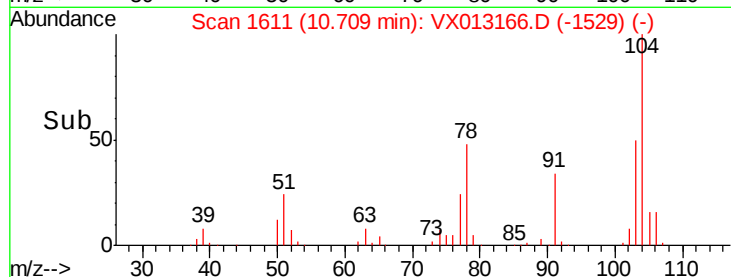
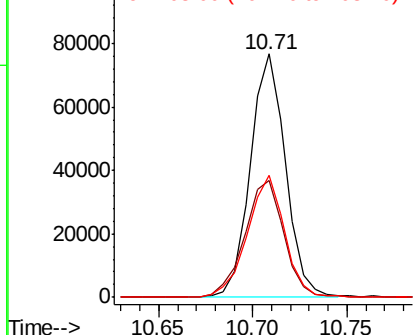
#69
Stvrene
Concen: 18.756 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 99076
Ion Ratio Lower Upper
104 100
78 53.5 42.3 63.5
103 53.4 42.2 63.2

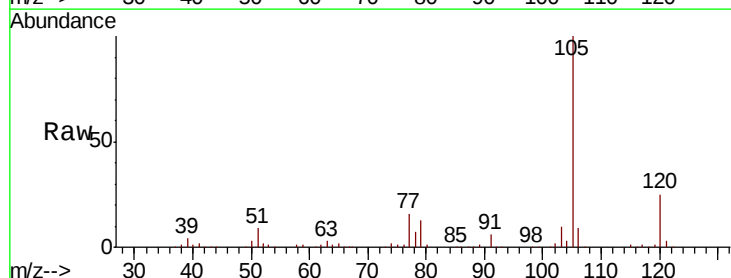


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

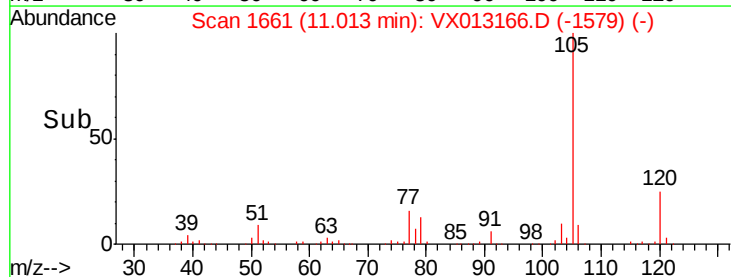
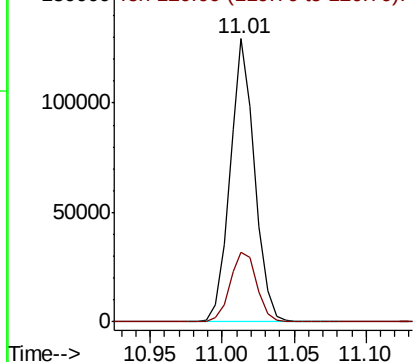


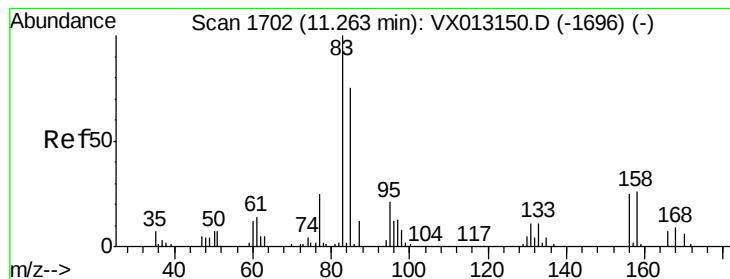
#70
Isopropylbenzene
Concen: 18.313 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion:105 Resp: 154247
Ion Ratio Lower Upper
105 100
120 26.6 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 18.923 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

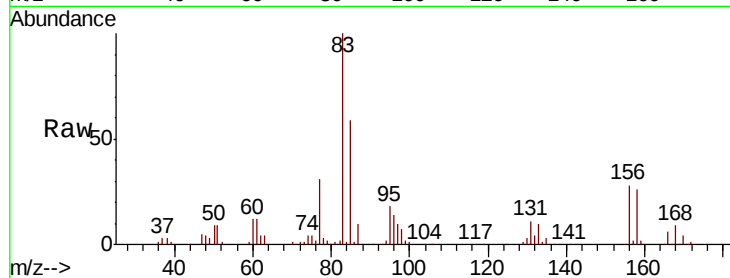
Tot Ion: 83 Resp: 48841

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

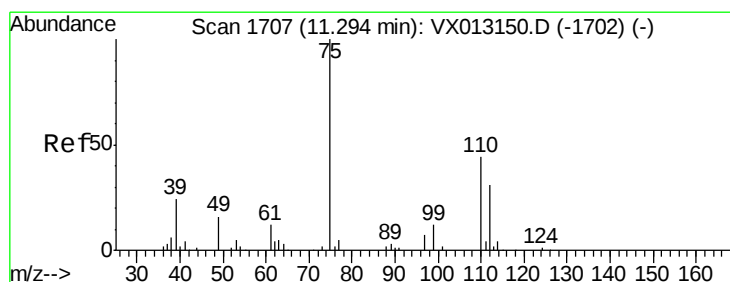
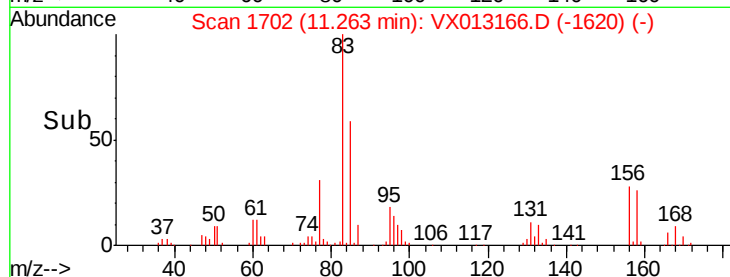
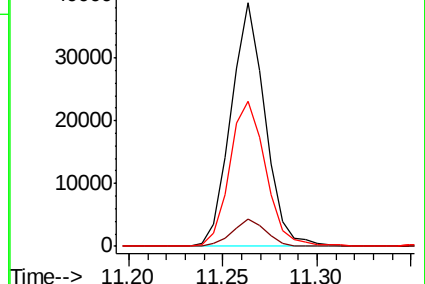
85 62.4 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 25.356 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013166.D

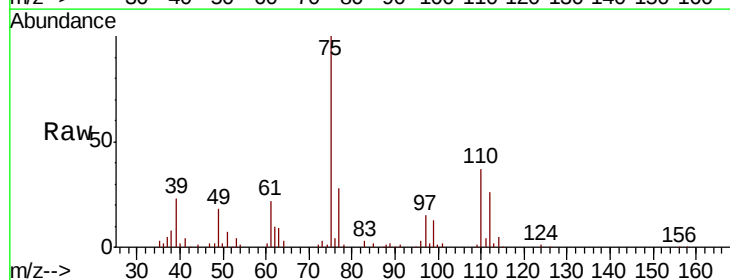
Acq: 21 Oct 2019 20:46

Tgt Ion: 75 Resp: 56841

Ion Ratio Lower Upper

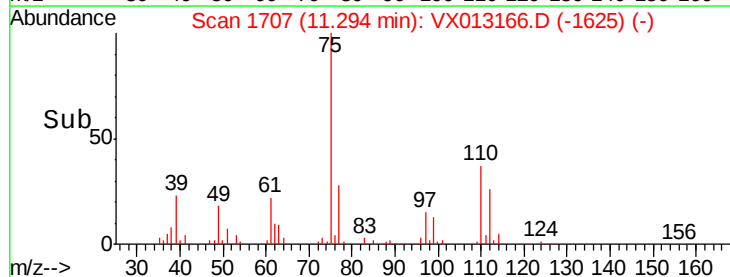
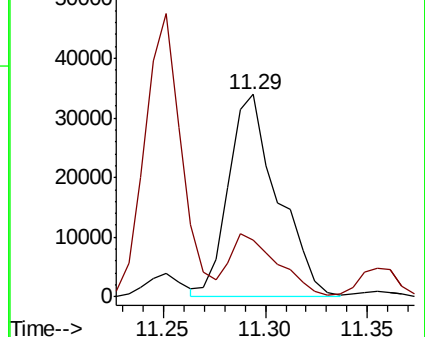
75 100

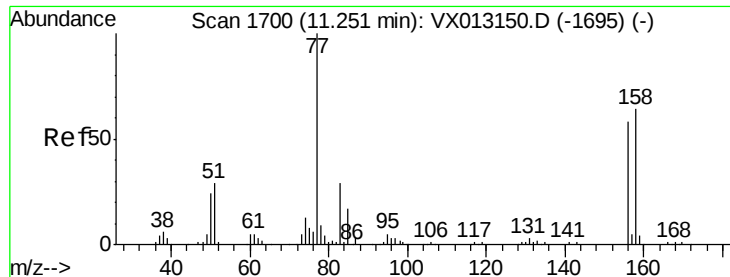
77 30.4 0.0 74.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 18.544 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

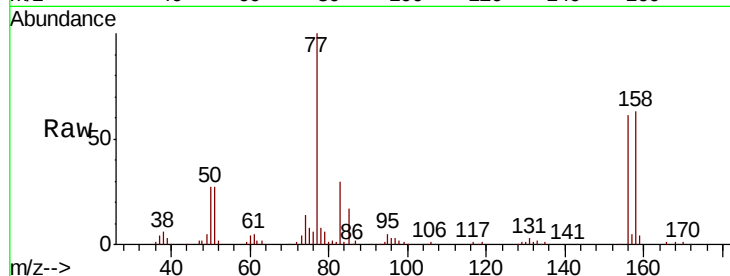
Tot Ion:156 Resp: 37484

Ion Ratio Lower Upper

156 100

77 157.4 0.0 328.0

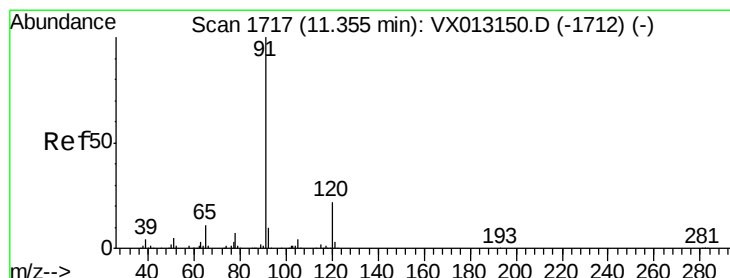
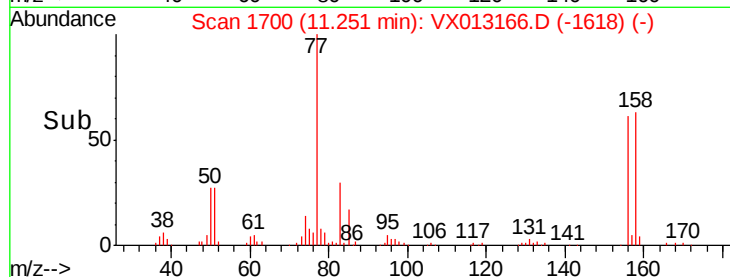
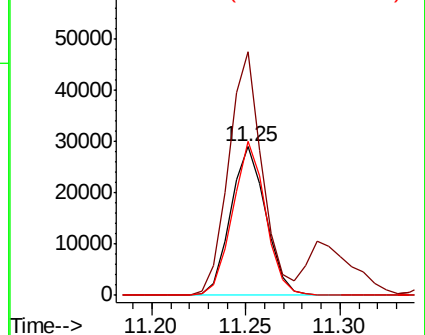
158 97.1 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.325 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013166.D

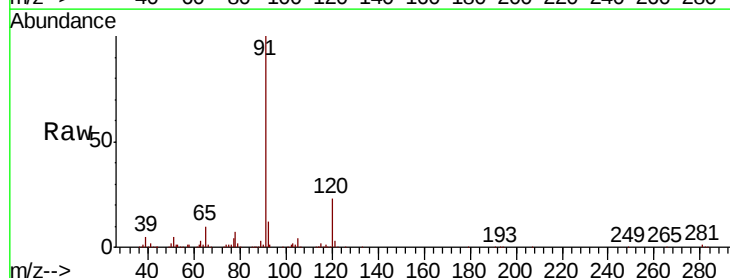
Acq: 21 Oct 2019 20:46

Tgt Ion: 91 Resp: 169414

Ion Ratio Lower Upper

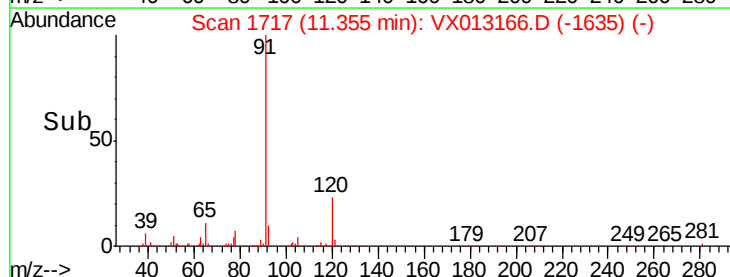
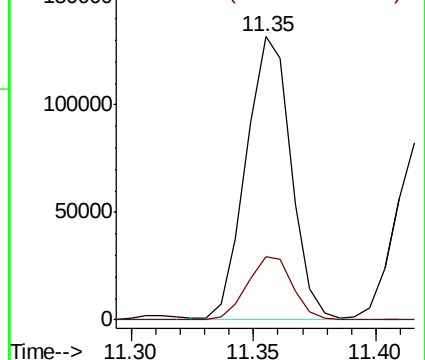
91 100

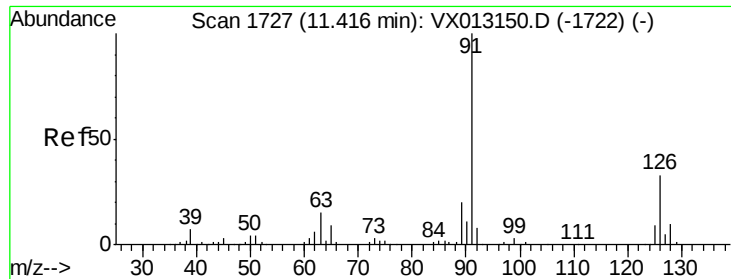
120 22.5 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.413 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

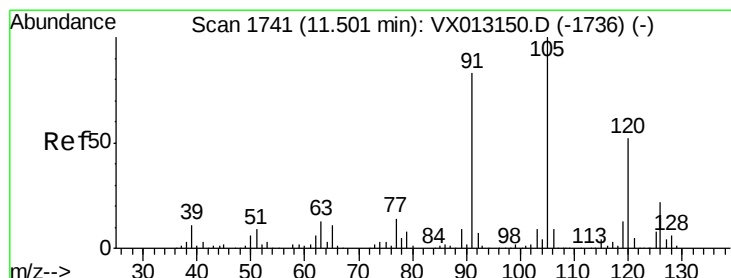
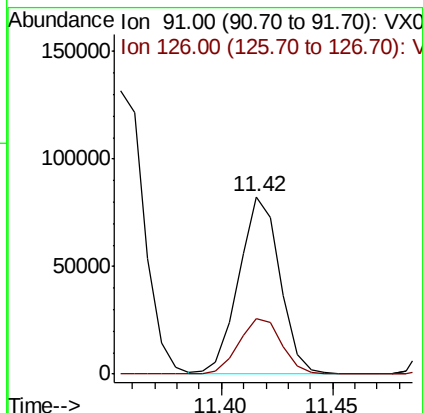
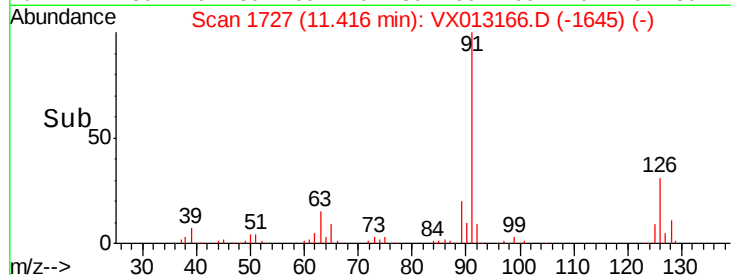
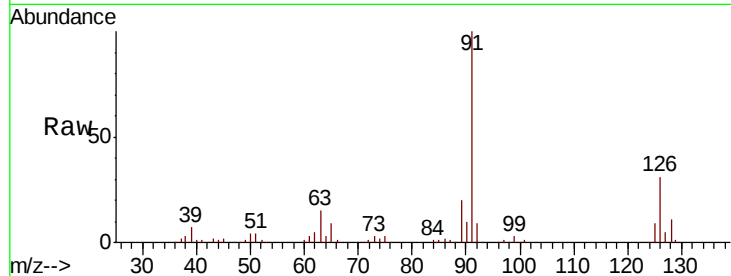
VSTDCCC020EC

Tot Ion: 91 Resp: 106516

Ion Ratio Lower Upper

91 100

126 32.3 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 18.794 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013166.D

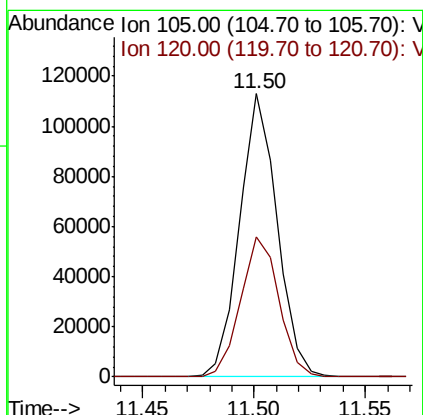
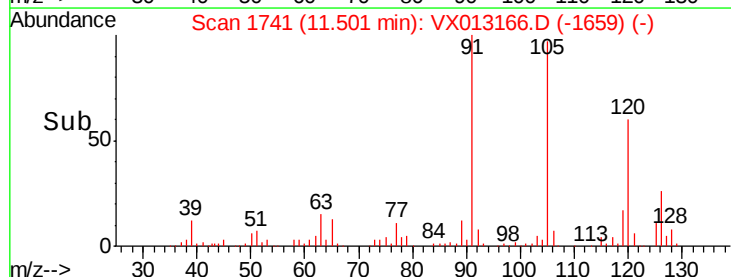
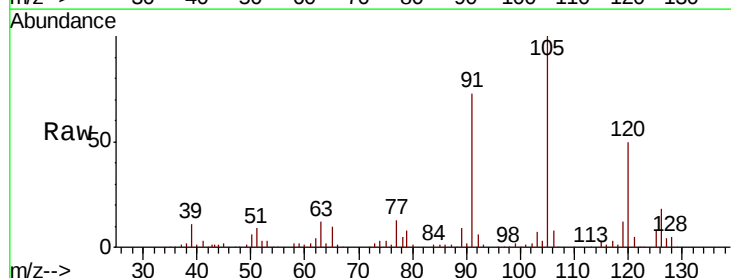
Acq: 21 Oct 2019 20:46

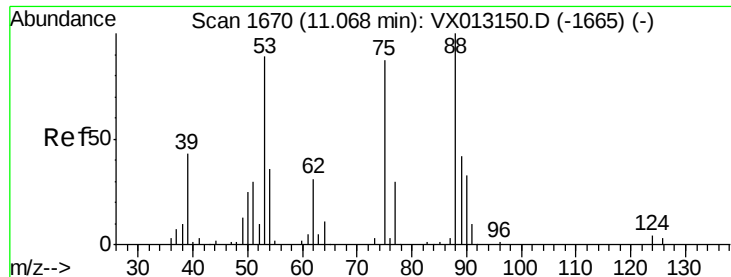
Tgt Ion: 105 Resp: 132883

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.331 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

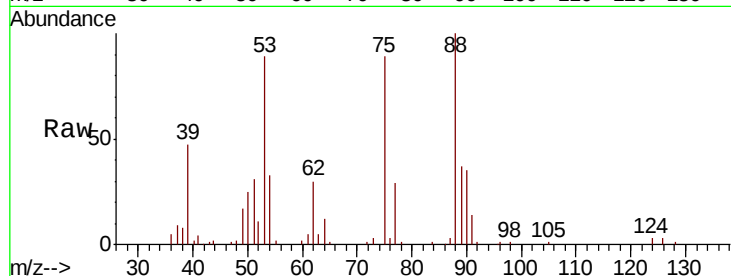
Tot Ion: 75 Resp: 14214

Ion Ratio Lower Upper

75 100

53 99.8 51.1 153.4

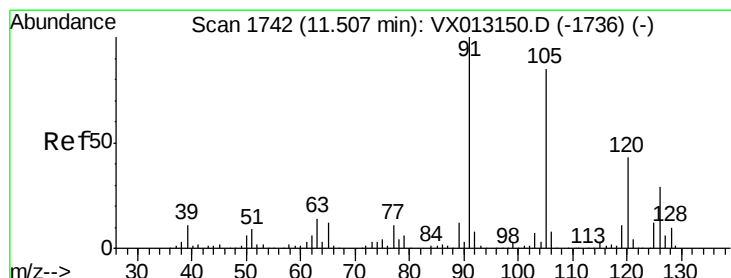
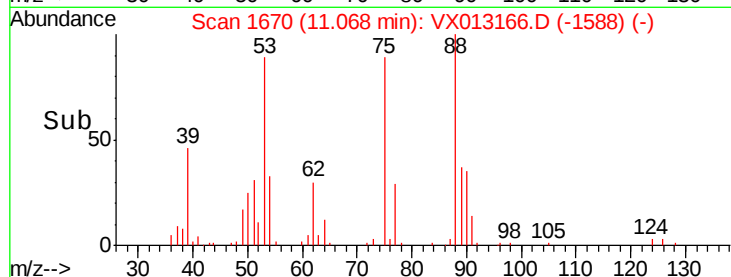
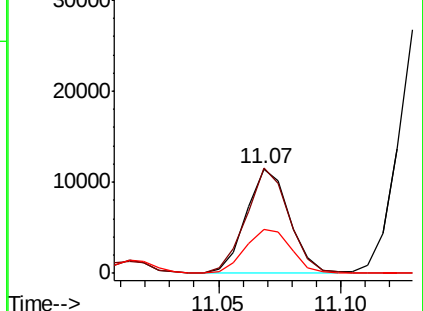
89 41.6 24.1 72.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.056 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013166.D

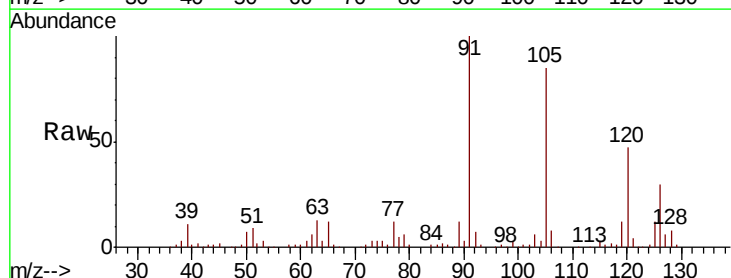
Acq: 21 Oct 2019 20:46

Tgt Ion: 91 Resp: 125961

Ion Ratio Lower Upper

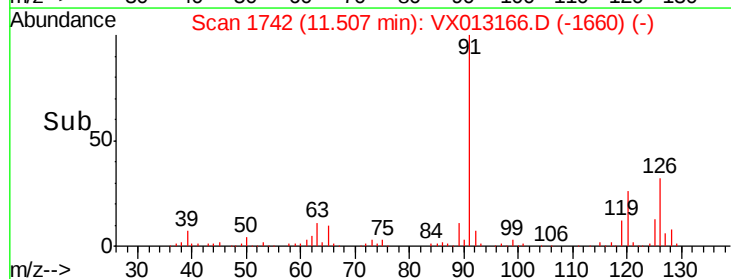
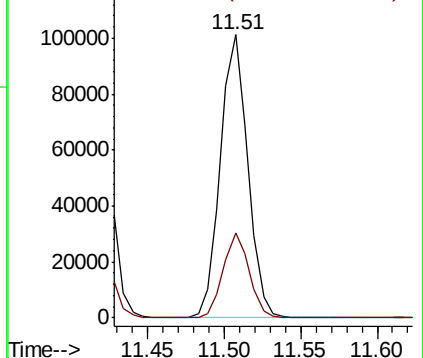
91 100

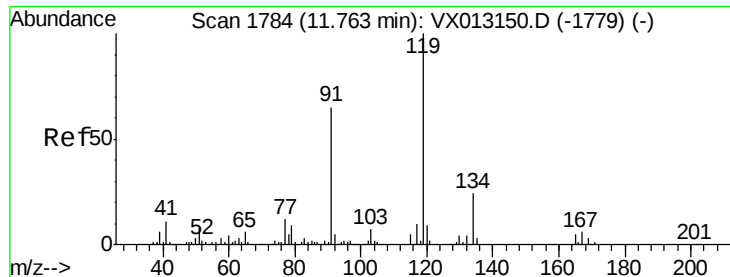
126 28.5 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 18.416 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013166.D

Acq: 21 Oct 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

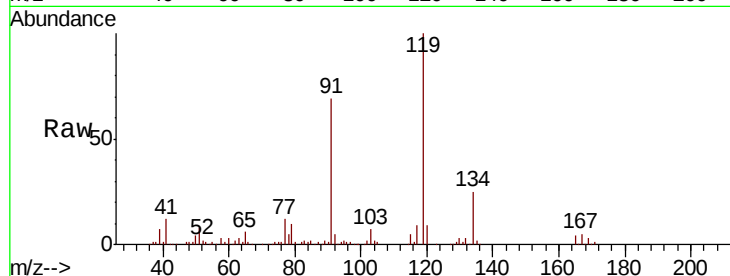
Tot Ion:119 Resp: 125380

Ion Ratio Lower Upper

119 100

91 62.6 0.0 128.4

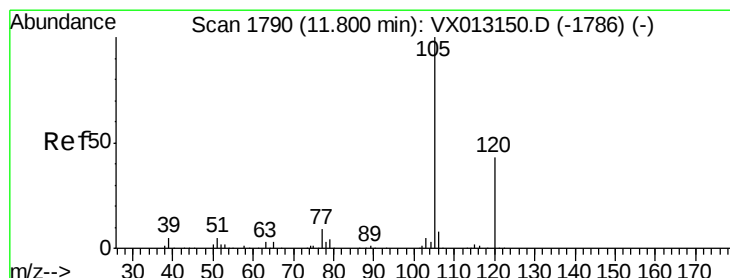
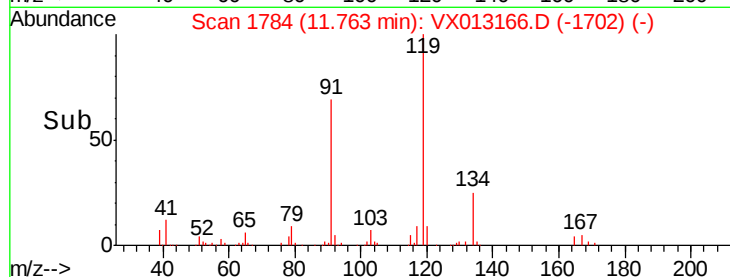
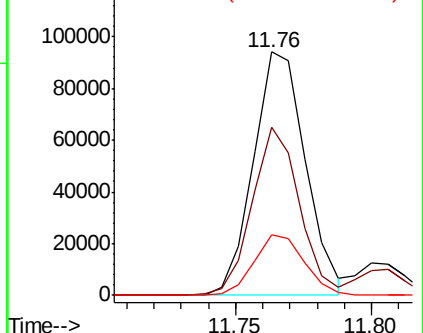
134 23.9 0.0 49.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.039 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013166.D

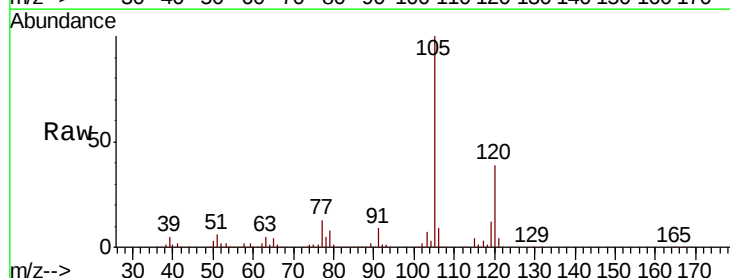
Acq: 21 Oct 2019 20:46

Tgt Ion:105 Resp: 134482

Ion Ratio Lower Upper

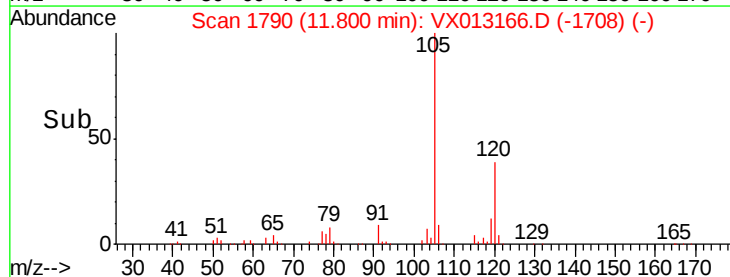
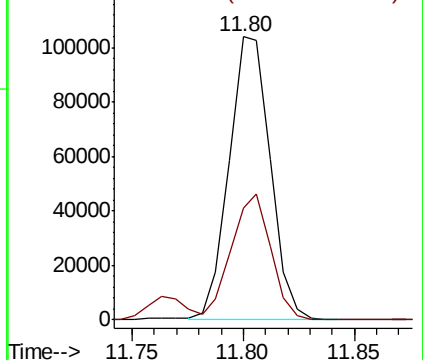
105 100

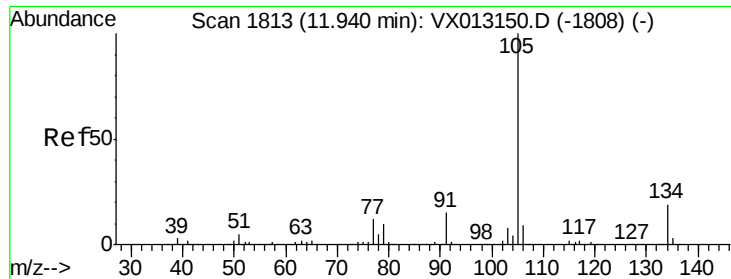
120 42.5 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

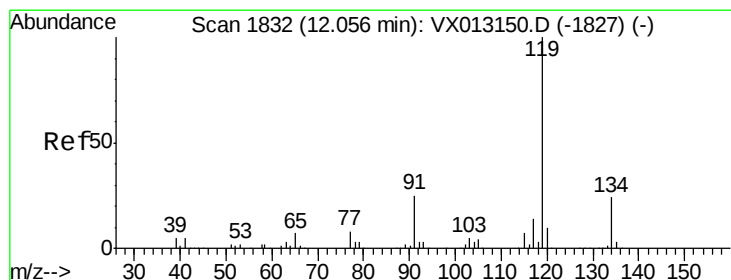
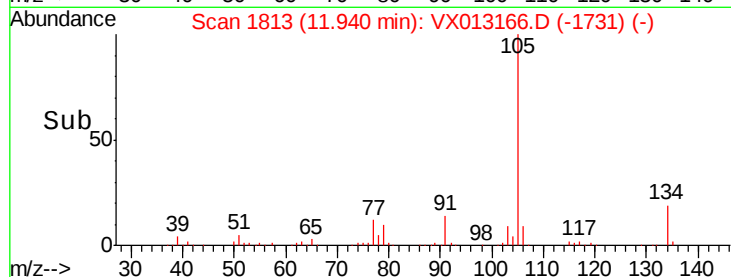
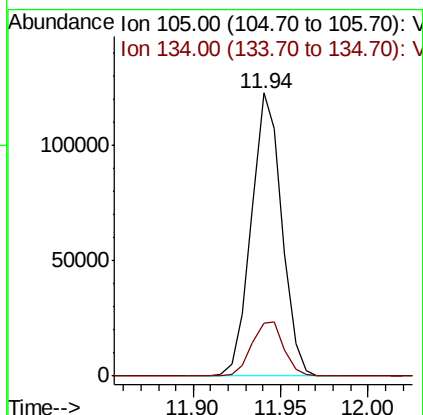
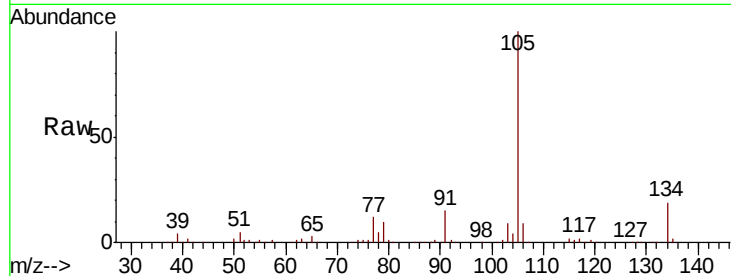




#81
 sec-Butylbenzene
 Concen: 18.362 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

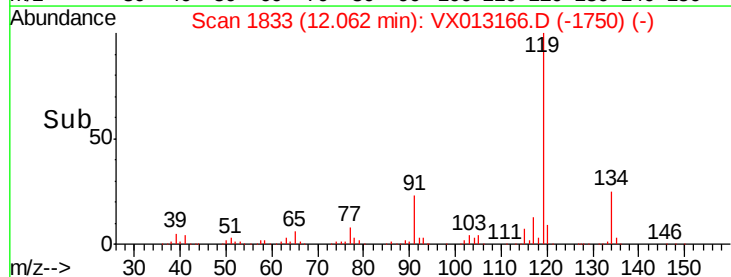
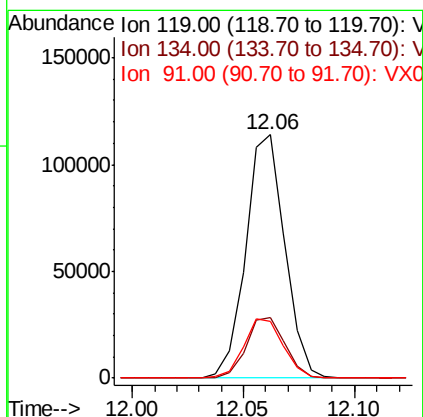
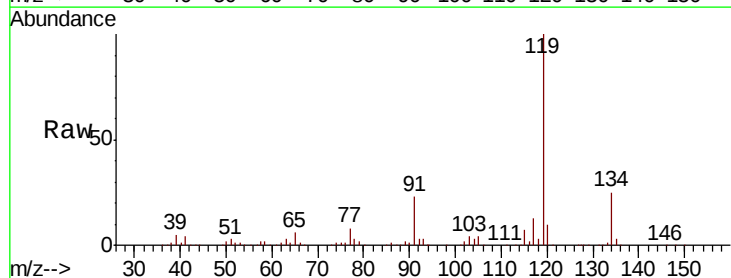
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

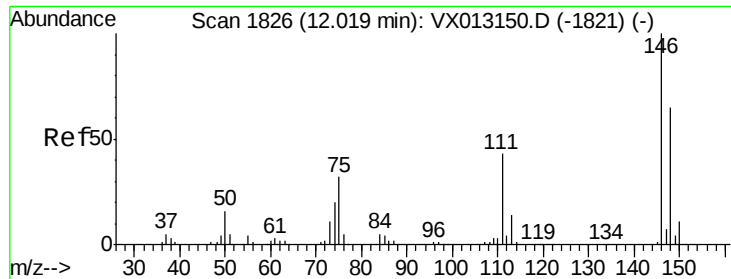
Tot Ion:105 Resp: 148931
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 18.805 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion:119 Resp: 139452
 Ion Ratio Lower Upper
 119 100
 134 24.8 0.0 51.6
 91 24.8 0.0 50.0

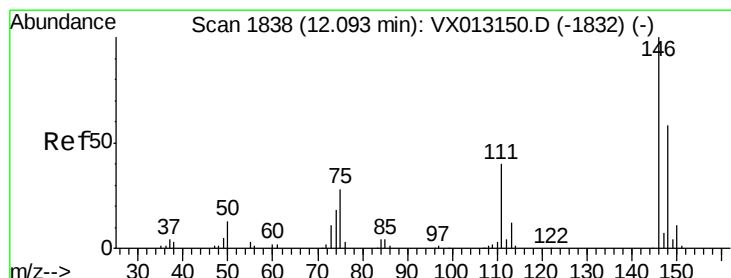
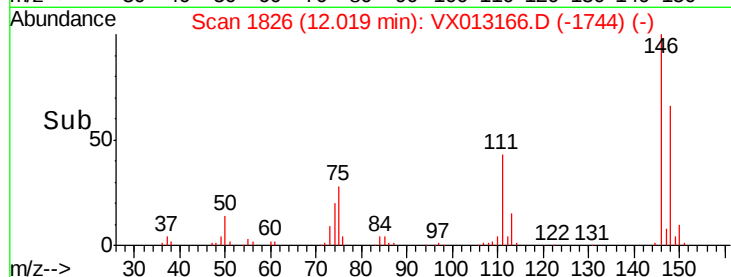
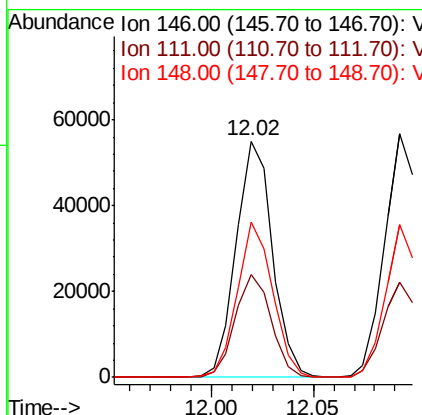
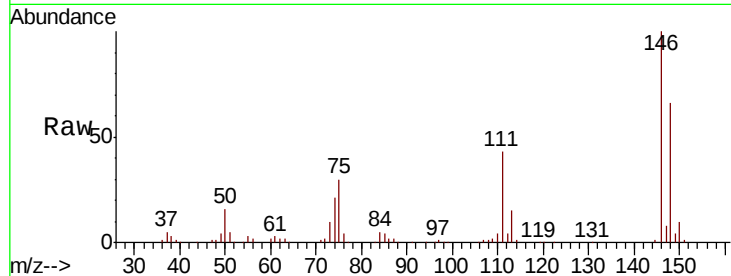




#83
 1,3-Dichlorobenzene
 Concen: 18.450 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

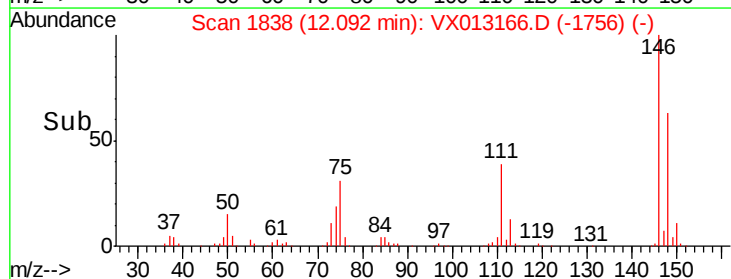
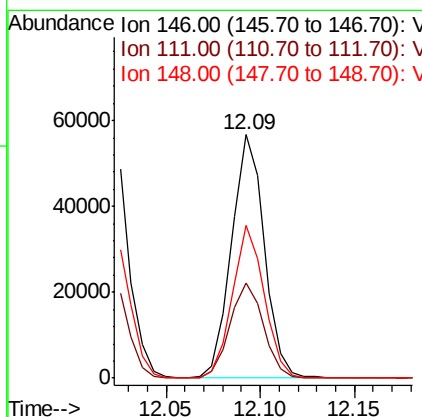
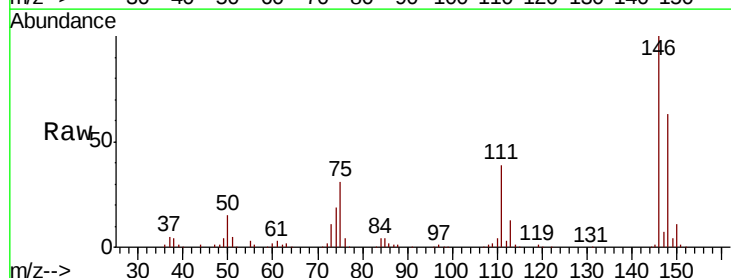
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

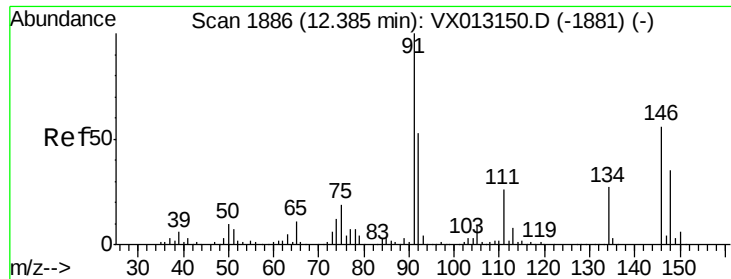
Tot Ion:146 Resp: 68108
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.8 65.4
 148 64.1 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 18.693 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion:146 Resp: 68245
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.3 60.9
 148 61.3 31.4 94.2

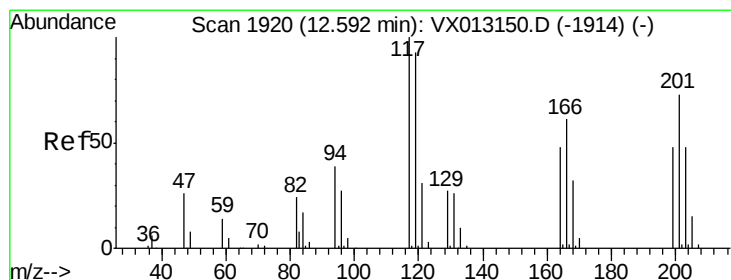
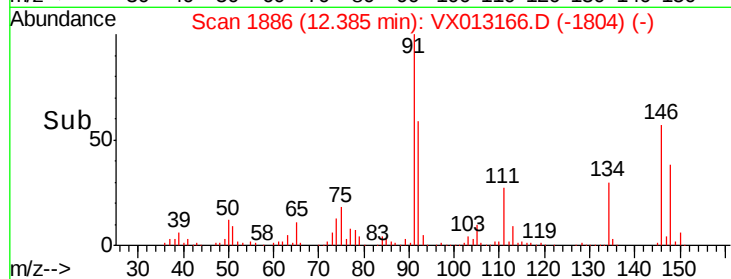
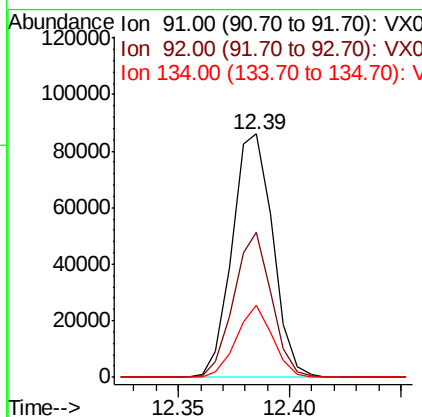
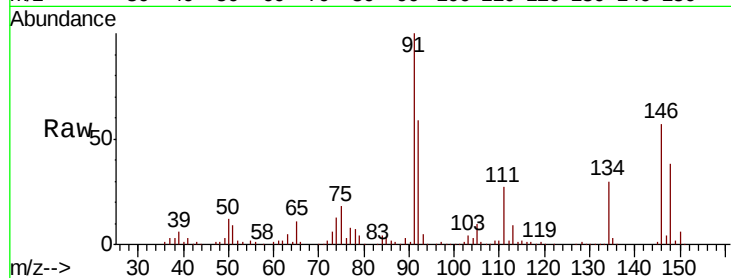




#85
n-Butylbenzene
Concen: 17.387 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

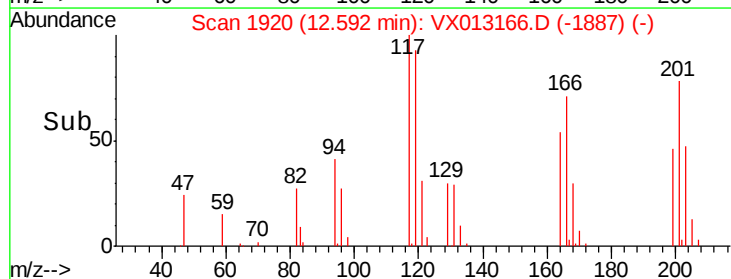
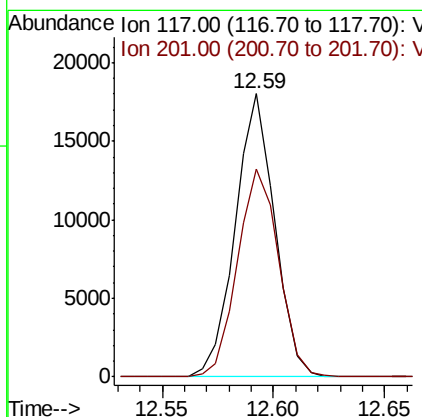
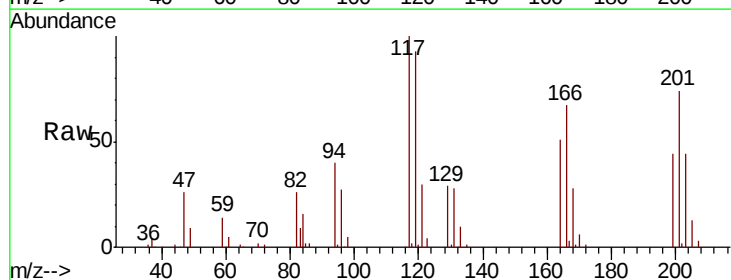
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

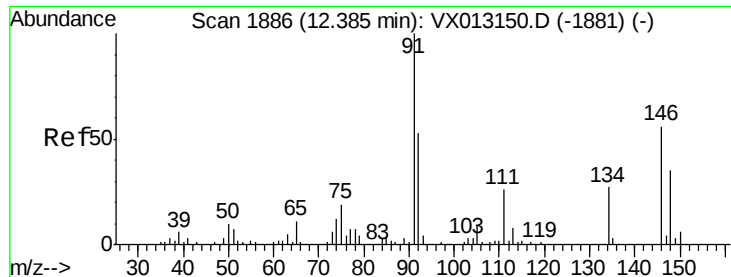
Tot Ion: 91 Resp: 109523
Ion Ratio Lower Upper
91 100
92 55.2 0.0 106.8
134 26.5 0.0 52.4



#86
Hexachloroethane
Concen: 17.160 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion: 117 Resp: 22211
Ion Ratio Lower Upper
117 100
201 76.9 35.9 107.5

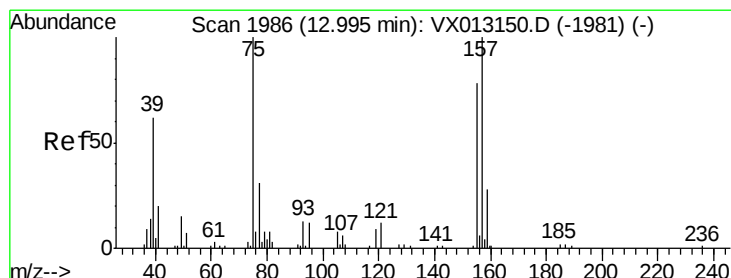
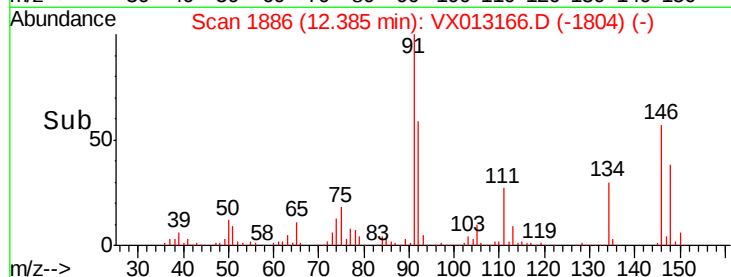
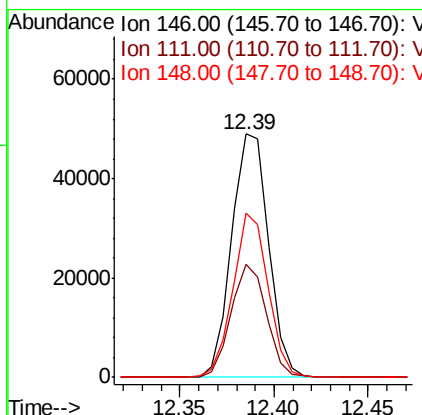
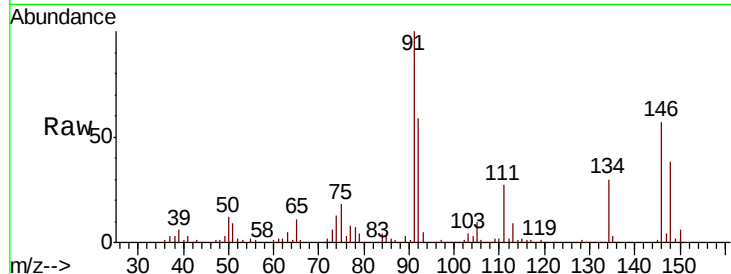




#87
 1,2-Dichlorobenzene
 Concen: 18.642 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

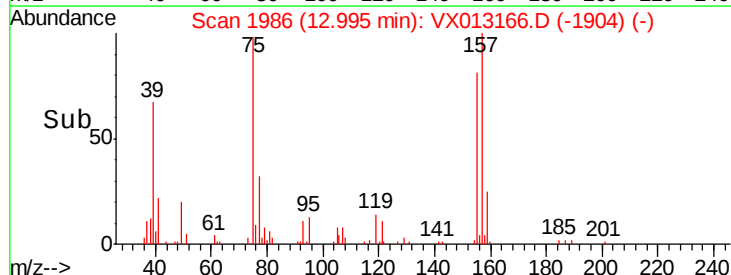
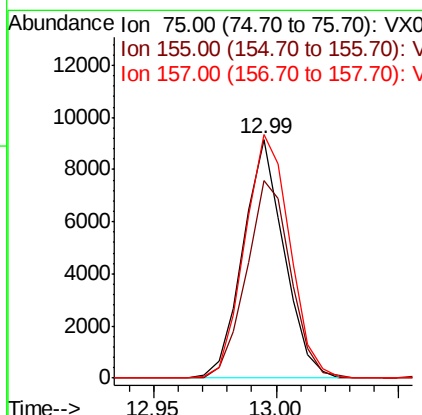
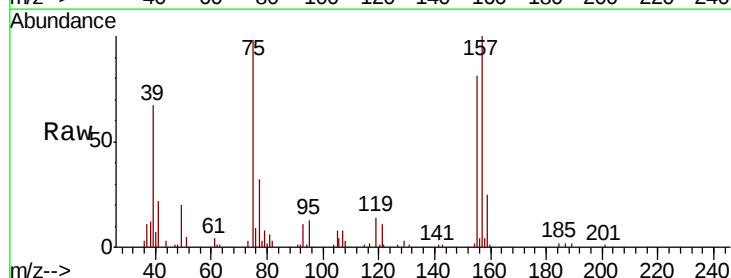
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

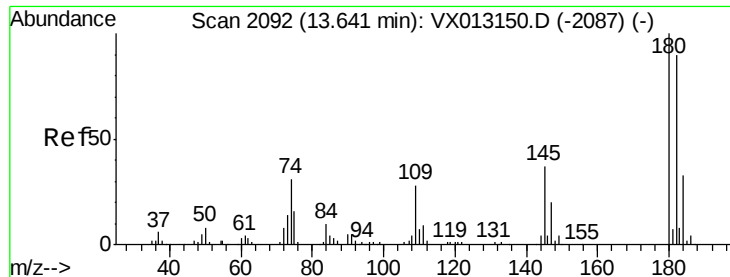
Tot Ion:146 Resp: 66756
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.5 67.5
 148 64.1 31.4 94.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.897 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion: 75 Resp: 10746
 Ion Ratio Lower Upper
 75 100
 155 88.7 65.4 98.0
 157 111.6 84.1 126.1

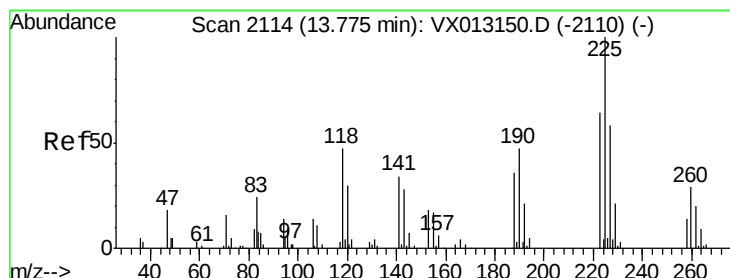
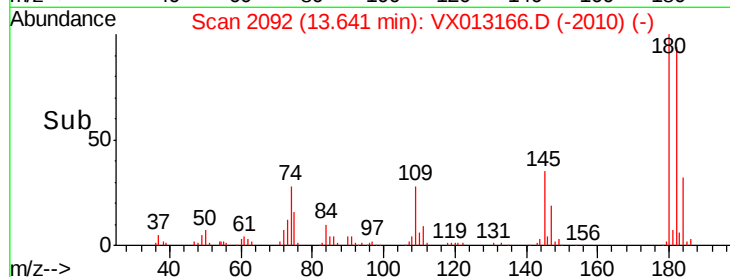
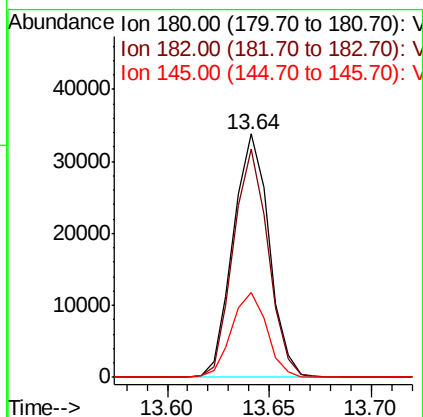
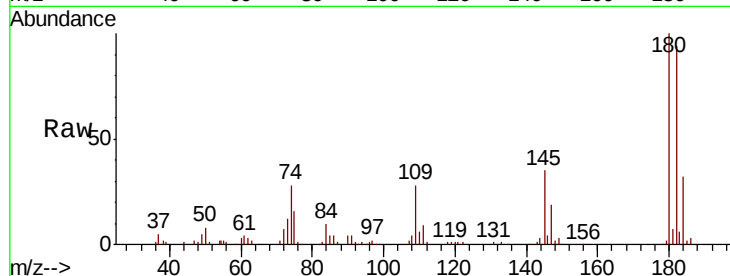




#89
 1,2,4-Trichlorobenzene
 Concen: 18.578 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

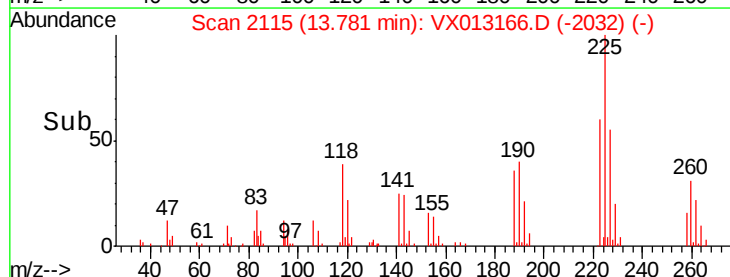
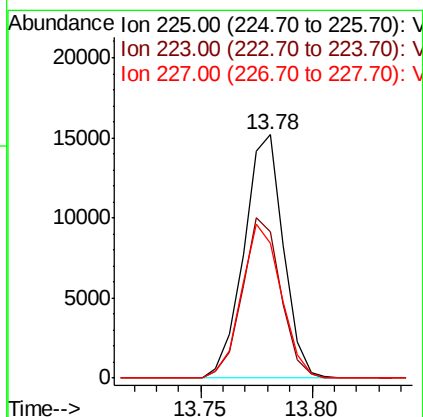
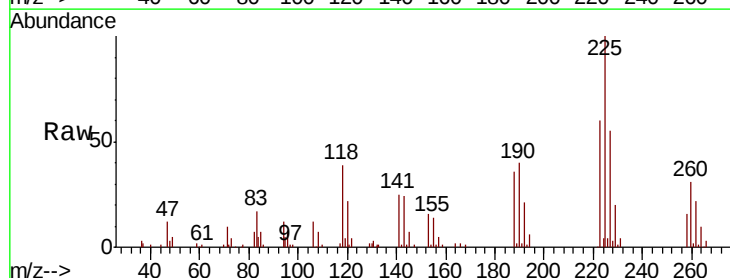
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

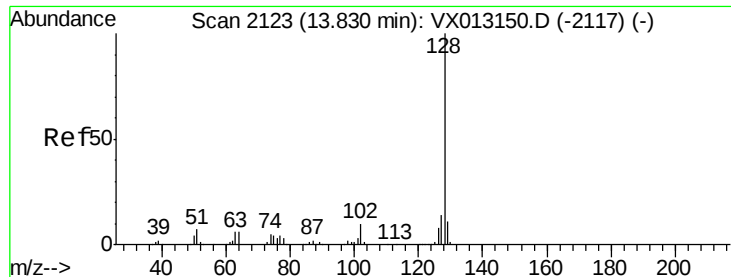
Tot Ion:180 Resp: 41375
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.1 114.1
 145 34.4 27.4 41.2



#90
 Hexachlorobutadiene
 Concen: 16.622 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013166.D
 Acq: 21 Oct 2019 20:46

Tgt Ion:225 Resp: 18795
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 131.2
 227 63.4 0.0 127.0

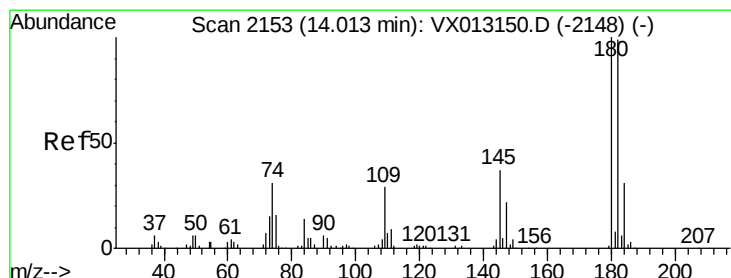
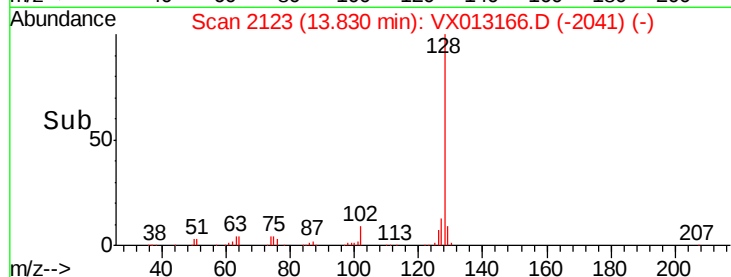
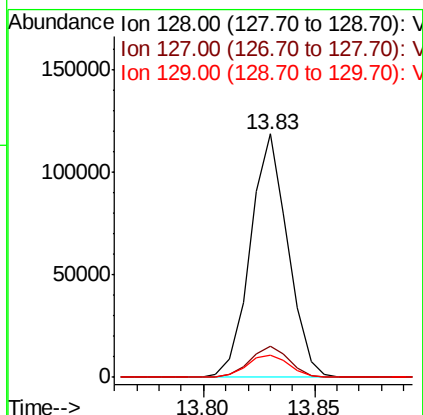
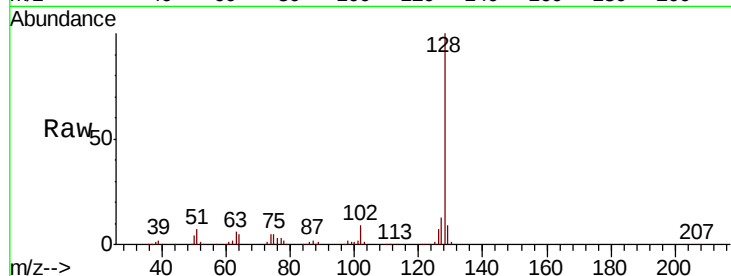




#91
Naphthalene
Concen: 19.120 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 138512
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.5 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 18.229 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013166.D
Acq: 21 Oct 2019 20:46

Tgt Ion:180 Resp: 41593
Ion Ratio Lower Upper
180 100
182 97.8 0.0 194.4
145 34.3 0.0 71.2

