

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009307.D
 Acq On : 03 May 2019 13:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 04 01:58:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30000	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	171559	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151609	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	71649	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	11.13	95	76884	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.71	98	219138	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30547	19.163	ug/l 99
3) Chloromethane	1.32	50	40458	18.882	ug/l 99
4) Vinyl Chloride	1.40	62	40644	19.014	ug/l 97
5) Bromomethane	1.64	94	23360	17.240	ug/l 100
6) Chloroethane	1.72	64	24933	17.786	ug/l 95
7) Trichlorofluoromethane	1.93	101	50684	19.202	ug/l 99
8) Diethyl Ether	2.18	74	23360	19.060	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31947	19.549	ug/l 99
10) 1,1-Dichloroethene	2.37	96	31394	19.132	ug/l 96
11) Methyl Iodide	2.51	142	34467	19.322	ug/l 99
12) Methyl Acetate	2.77	43	56058	18.138	ug/l 99
13) Acrolein	2.29	56	29582	69.784	ug/l 98
14) Acrylonitrile	3.14	53	124666	92.943	ug/l 99
15) Acetone	2.44	58	34958	90.774	ug/l 94
16) Carbon Disulfide	2.57	76	83815	18.878	ug/l 99
17) Allyl chloride	2.73	41	73492	18.656	ug/l 99
18) Methylene Chloride	2.85	84	38053	19.189	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	33482	19.137	ug/l 98
20) Diisopropyl ether	3.85	45	148686	19.166	ug/l 97
21) 1,1-Dichloroethane	3.69	63	71162	18.955	ug/l 100
22) cis-1,2-Dichloroethene	4.59	96	40669	19.298	ug/l 99
23) tert-Butyl Alcohol	3.04	59	51697	91.150	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	121275	18.885	ug/l 100
25) Chloroform	5.21	83	65630	19.156	ug/l 99
26) Cyclohexane	5.57	56	67259	19.222	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	50211	19.946	ug/l 98
30) 2-Butanone	4.67	43	185711	94.201	ug/l 99
31) 2,2-Dichloropropane	4.58	77	52322	18.853	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	54171	19.850	ug/l 98
33) Carbon Tetrachloride	5.78	117	44361	19.429	ug/l 99
34) Benzene	6.13	78	153313	19.755	ug/l 99
35) Methacrylonitrile	5.04	41	39909	19.349	ug/l 98
36) 1,2-Dichloroethane	6.19	62	55985	19.880	ug/l 100
37) Trichloroethene	7.21	130	36978	19.793	ug/l 96
38) Methylcyclohexane	7.46	83	61960	19.922	ug/l 99
39) 1,2-Dichloropropane	7.51	63	44093	19.951	ug/l 99
40) Dibromomethane	7.66	93	24742	19.725	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	50141	19.569	ug/l	95
42) Vinyl Acetate	3.81	43	640834	98.489	ug/l	100
43) Ethyl Acetate	4.82	43	68974	19.362	ug/l	100
44) Isopropyl Acetate	6.44	43	110214	19.098	ug/l	98
45) 1,4-Dioxane	7.74	88	21858	385.779	ug/l	99
46) Methyl methacrylate	7.76	41	54878	19.052	ug/l	97
47) n-amyl Acetate	10.90	43	96402	18.543	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	55354	18.516	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	63393	19.316	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	38342	19.951	ug/l	98
51) Ethyl methacrylate	9.18	69	66940	18.849	ug/l	97
52) 1,3-Dichloropropane	9.37	76	66720	19.562	ug/l	100
53) Dibromochloromethane	9.58	129	36857	19.257	ug/l	98
54) 1,2-Dibromoethane	9.67	107	38124	19.343	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	188422	99.566	ug/l	99
56) Bromoform	10.85	173	27192	18.508	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	358088	96.057	ug/l	100
59) 2-Hexanone	9.49	43	272381	93.155	ug/l	99
61) Tetrachloroethene	9.34	164	34683	20.752	ug/l	97
62) Toluene	8.78	91	162554	20.065	ug/l	99
64) Chlorobenzene	10.13	112	97619	20.022	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	35159	19.694	ug/l	99
66) Ethyl Benzene	10.25	91	179436	19.882	ug/l	98
67) m/p-Xylenes	10.35	106	131840	40.011	ug/l	99
68) o-Xylene	10.69	106	64258	19.833	ug/l	99
69) Styrene	10.71	104	112526	19.784	ug/l	99
70) Isopropylbenzene	11.02	105	175922	20.189	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	61972	19.420	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	72277	26.282	ug/l	81
73) Bromobenzene	11.26	156	42866	19.911	ug/l	99
74) n-propylbenzene	11.36	91	203920	20.195	ug/l	100
75) 2-Chlorotoluene	11.42	91	121402	20.045	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	149261	20.222	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	19536	17.612	ug/l	98
78) 4-Chlorotoluene	11.51	91	138006	20.063	ug/l	100
79) tert-butylbenzene	11.77	119	142970	20.037	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	147305	19.912	ug/l	99
81) sec-Butylbenzene	11.94	105	172061	20.296	ug/l	100
82) p-Isopropyltoluene	12.06	119	155771	20.200	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	75165	19.550	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	75205	19.633	ug/l	99
85) n-Butylbenzene	12.38	91	138460	19.622	ug/l	100
86) Hexachloroethane	12.59	117	24771	18.877	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	77568	20.042	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	13702	18.477	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	54214	19.653	ug/l	99
90) Hexachlorobutadiene	13.78	225	27746	20.136	ug/l	100
91) Naphthalene	13.83	128	179134	19.834	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	56843	20.271	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

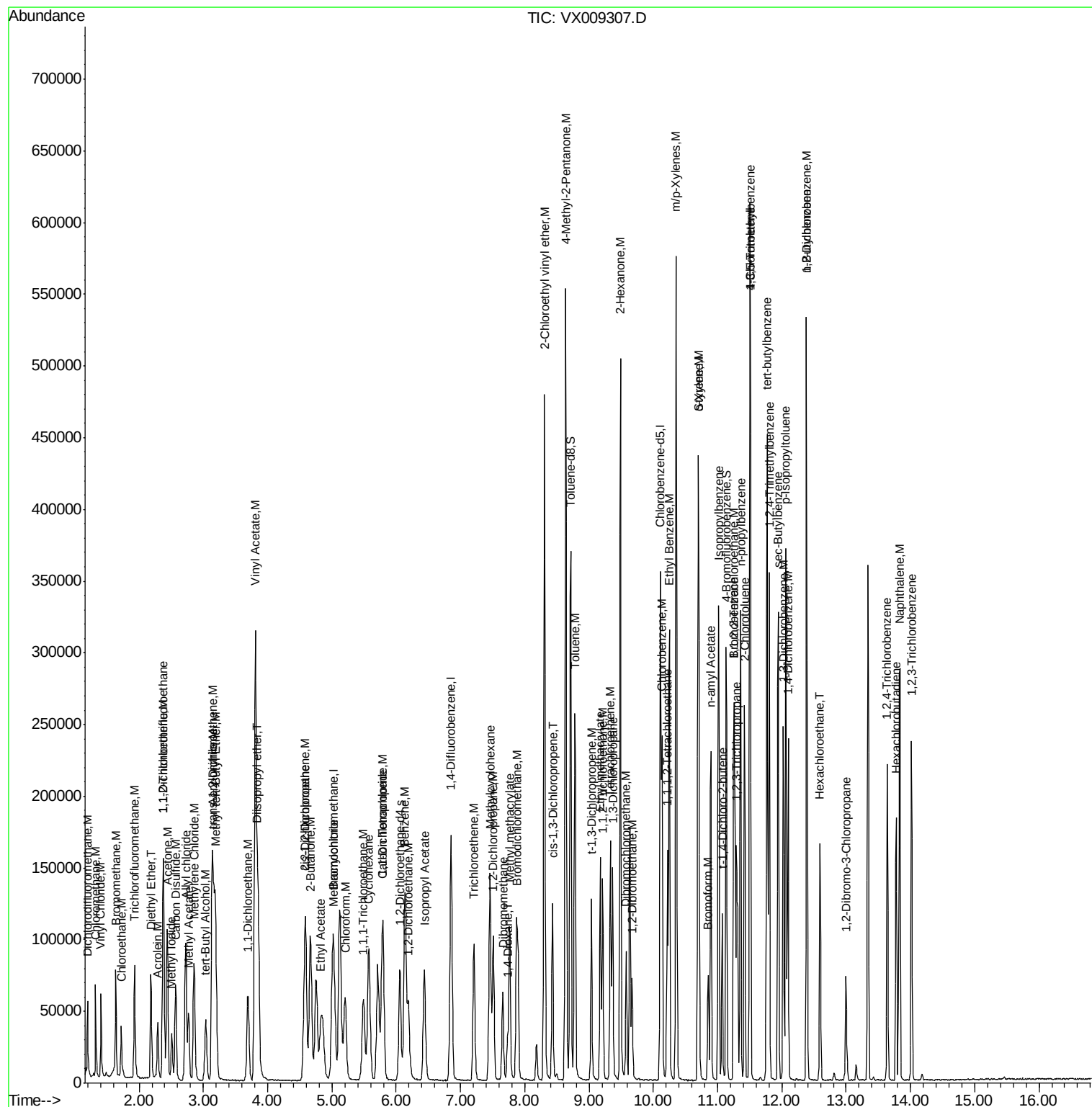
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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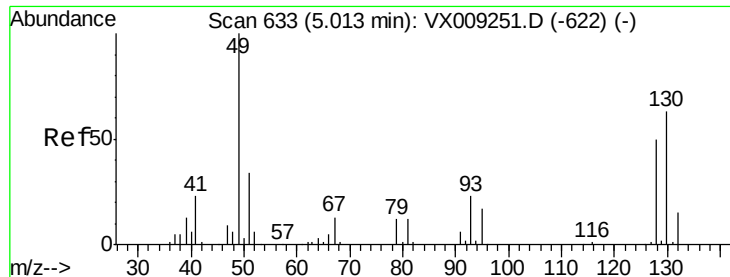
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 04 01:58:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

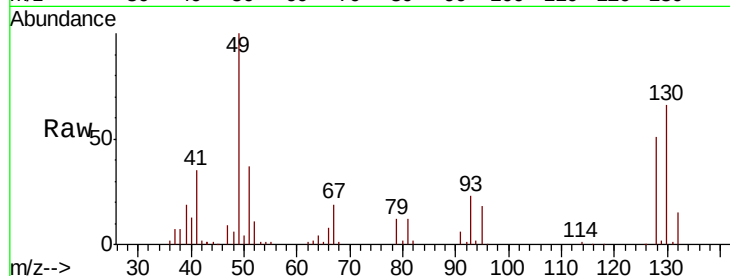
Tot Ion:128 Resp: 30000

Ion Ratio Lower Upper

128 100

49 198.7 0.0 515.0

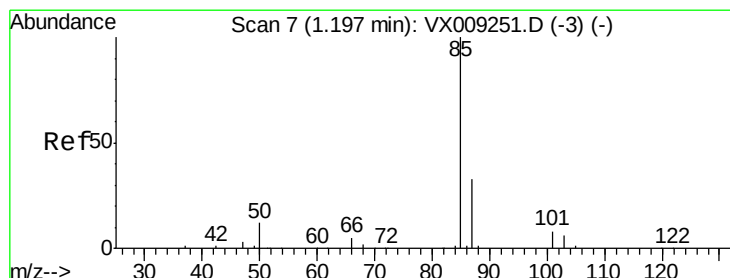
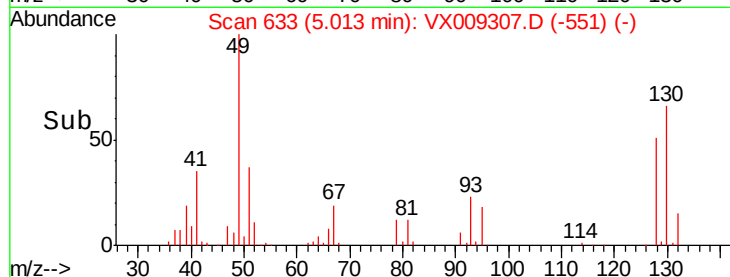
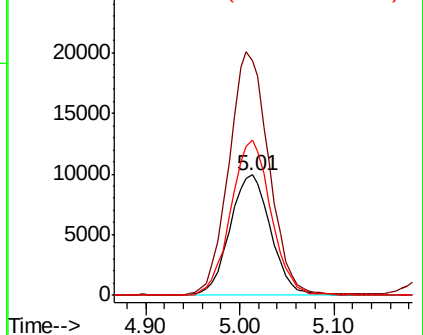
130 126.3 0.0 323.3



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: 19.163 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009307.D

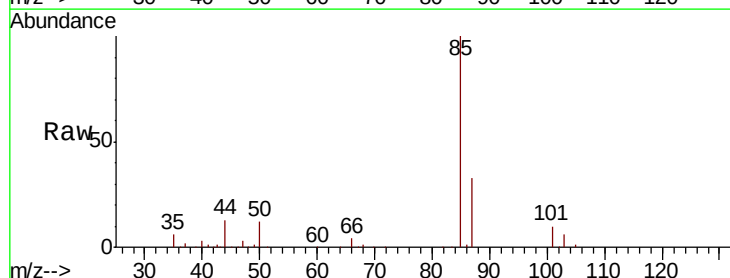
Acq: 03 May 2019 13:33

Tgt Ion: 85 Resp: 30547

Ion Ratio Lower Upper

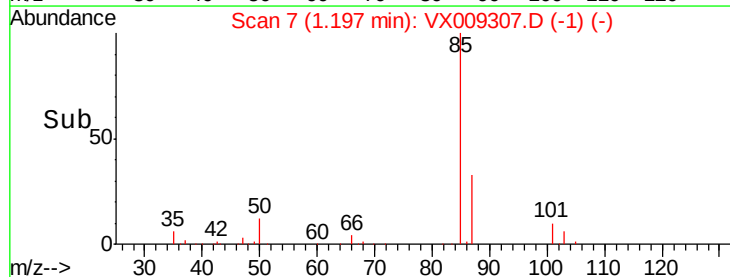
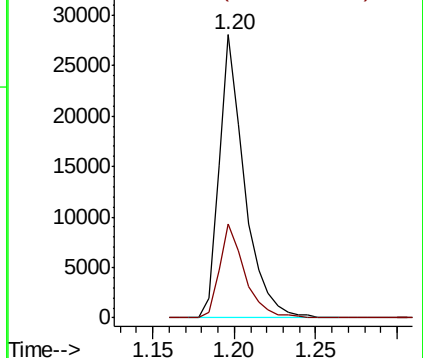
85 100

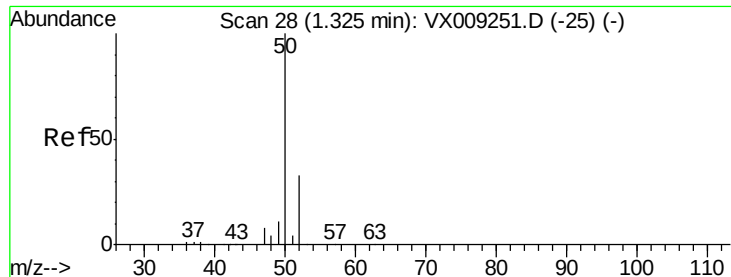
87 33.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.882 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

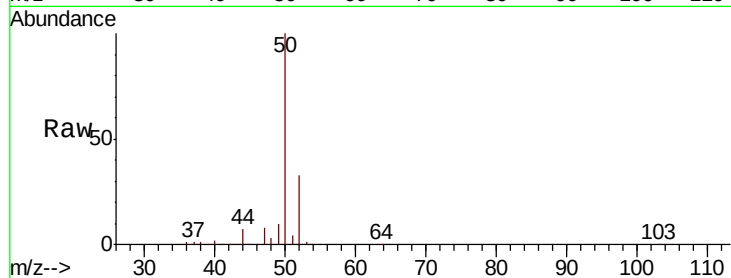
VSTDCCC020EC

Tot Ion: 50 Resp: 40458

Ion Ratio Lower Upper

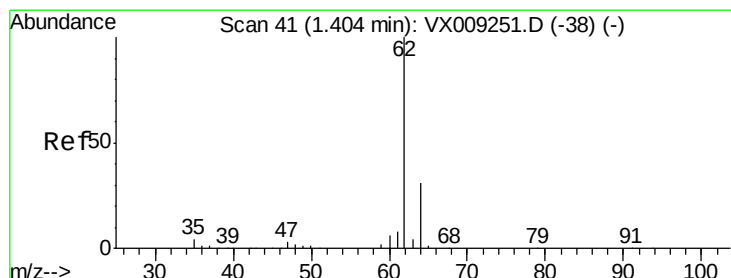
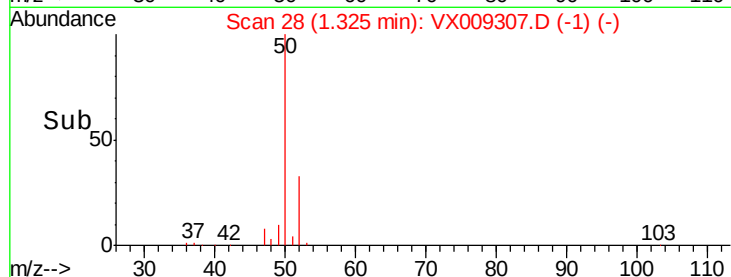
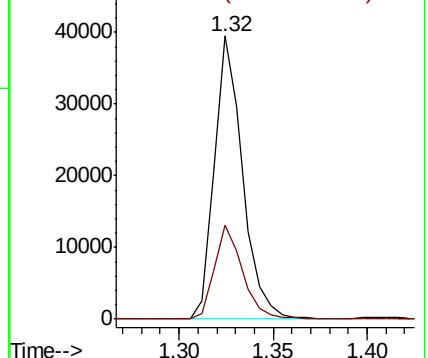
50 100

52 33.3 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.014 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009307.D

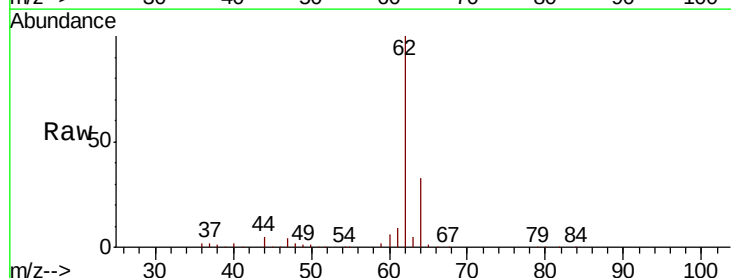
Acq: 03 May 2019 13:33

Tgt Ion: 62 Resp: 40644

Ion Ratio Lower Upper

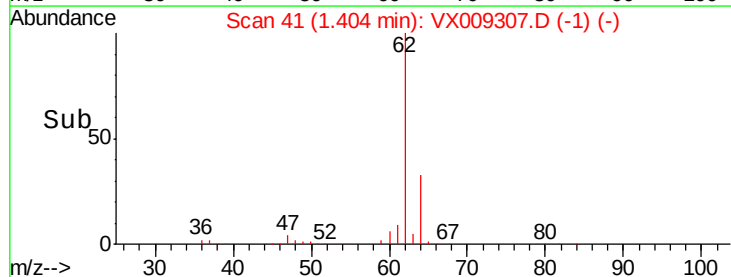
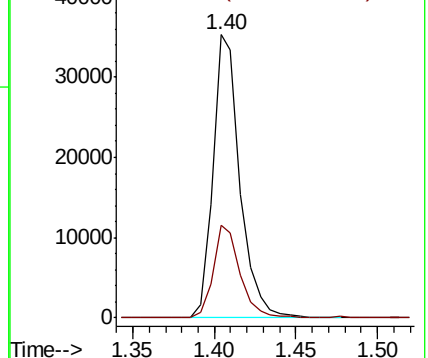
62 100

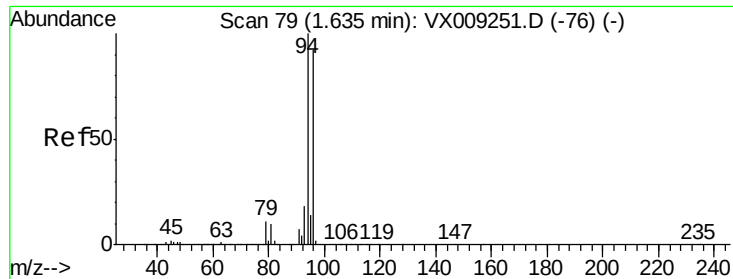
64 32.4 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 17.240 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

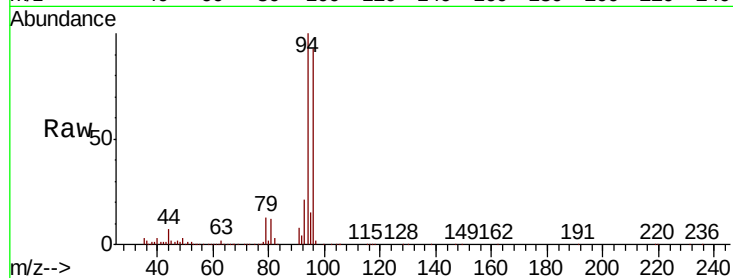
VSTDCCC020EC

Tot Ion: 94 Resp: 23360

Ion Ratio Lower Upper

94 100

96 92.4 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

25000

20000

15000

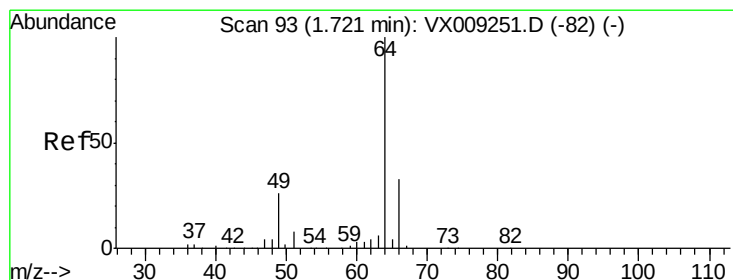
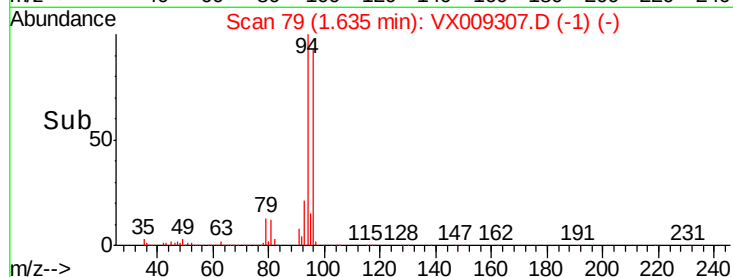
10000

5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 17.786 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009307.D

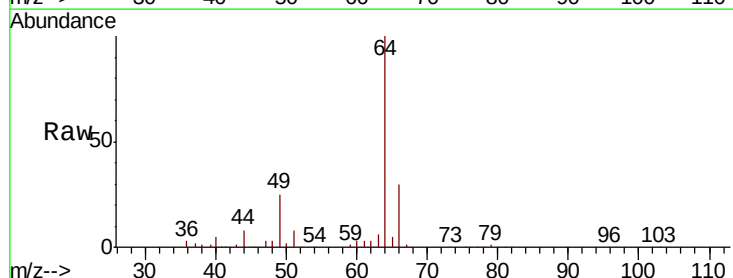
Acq: 03 May 2019 13:33

Tgt Ion: 64 Resp: 24933

Ion Ratio Lower Upper

64 100

66 29.7 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

20000

15000

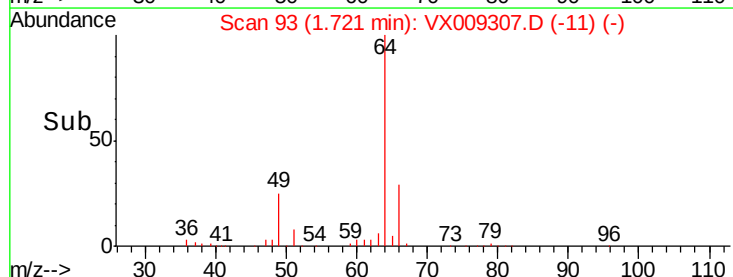
10000

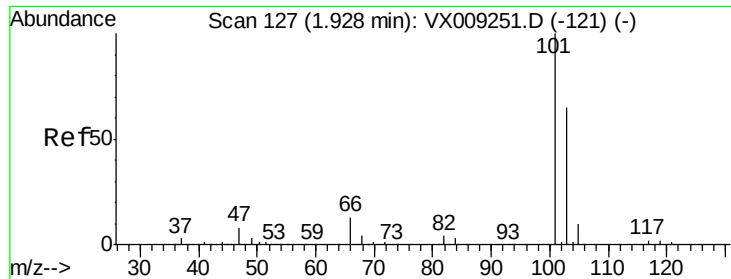
5000

0

Time-->

1.70 1.75 1.80



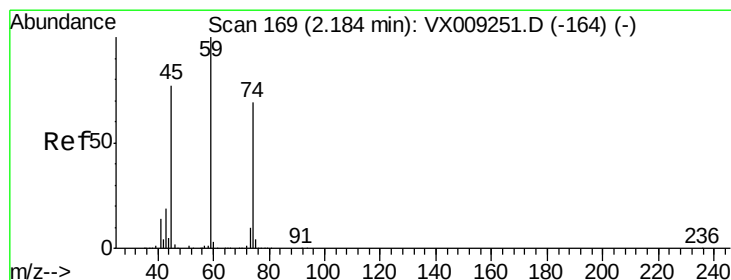
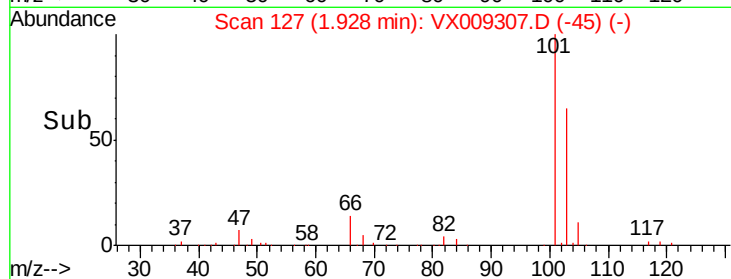
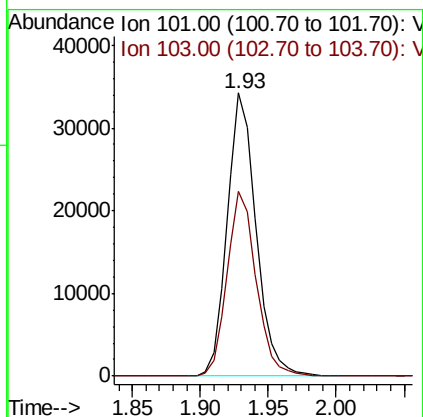
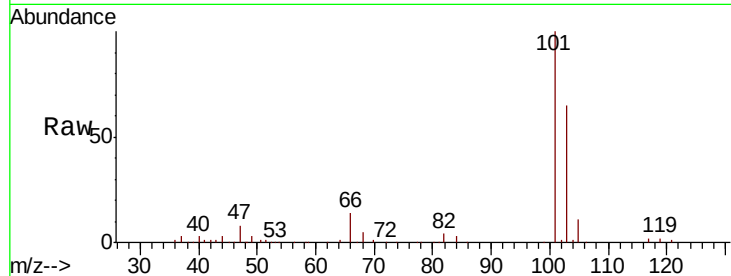


#7

Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

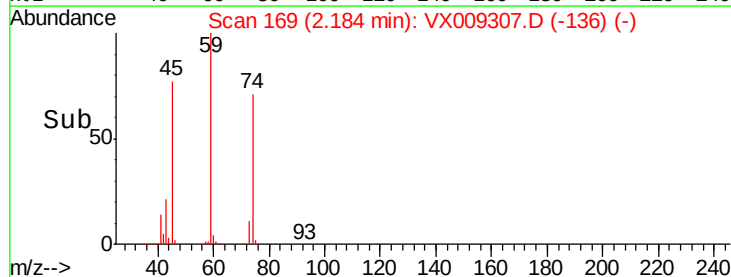
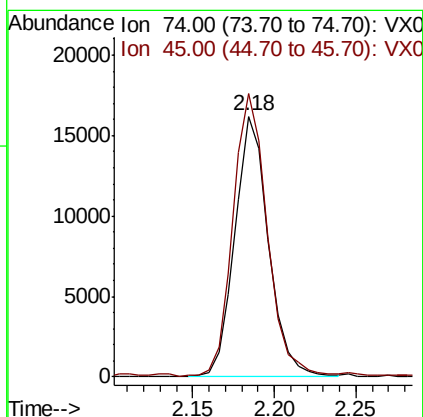
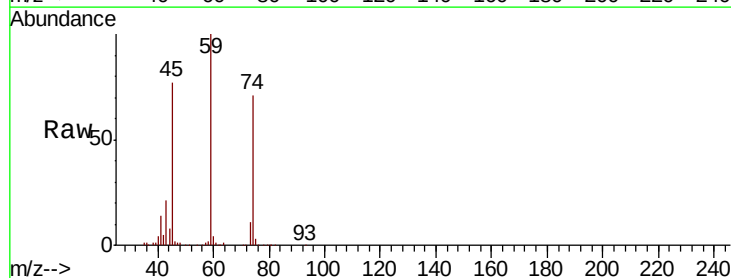
Tot Ion:101 Resp: 50684
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9

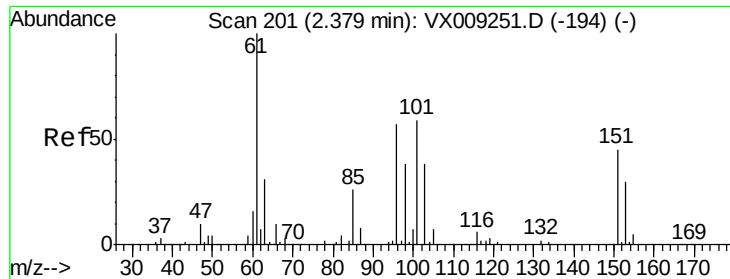


#8

Diethyl Ether
Concen: 19.060 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 74 Resp: 23360
Ion Ratio Lower Upper
74 100
45 108.5 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.549 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

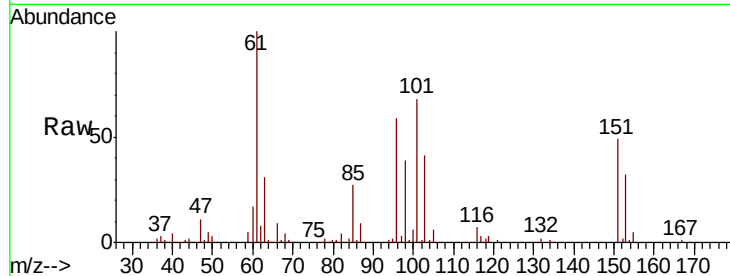
Tot Ion:101 Resp: 31947

Ion Ratio Lower Upper

101 100

85 45.0 0.0 87.4

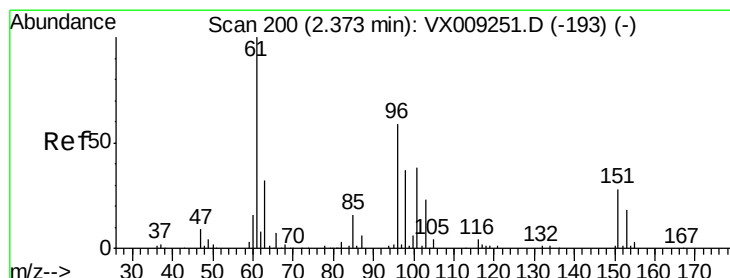
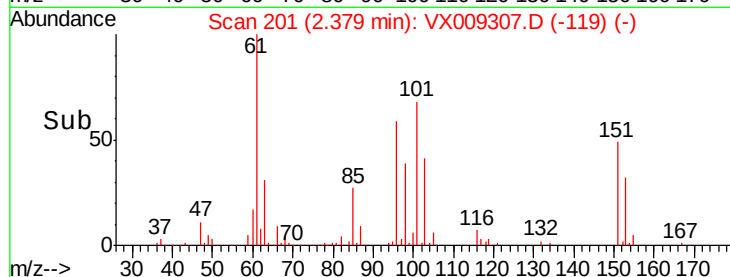
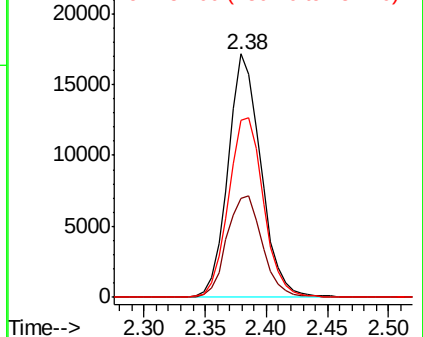
151 78.4 0.0 157.0



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: 19.132 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

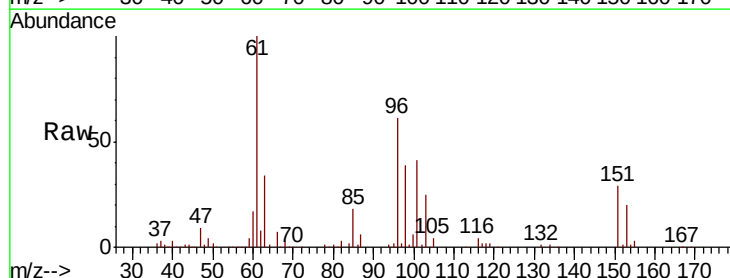
Tgt Ion: 96 Resp: 31394

Ion Ratio Lower Upper

96 100

61 164.3 136.5 204.7

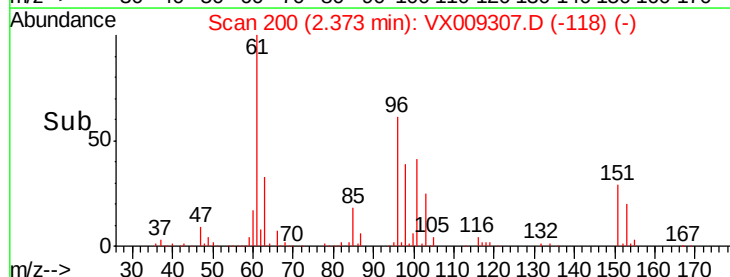
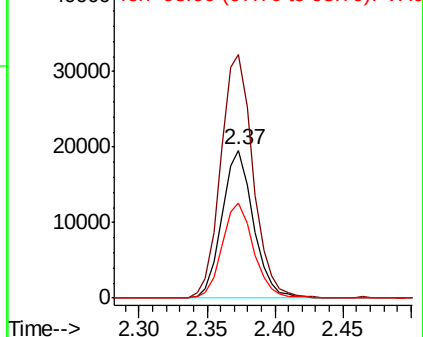
98 64.5 51.0 76.4

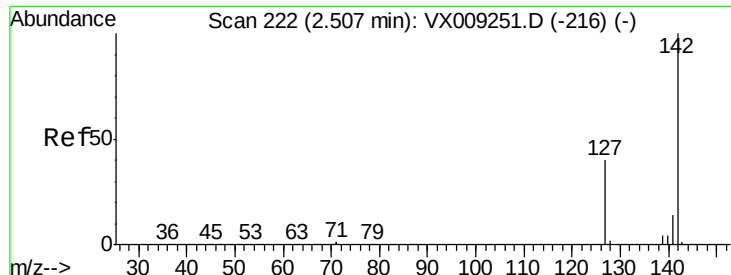


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

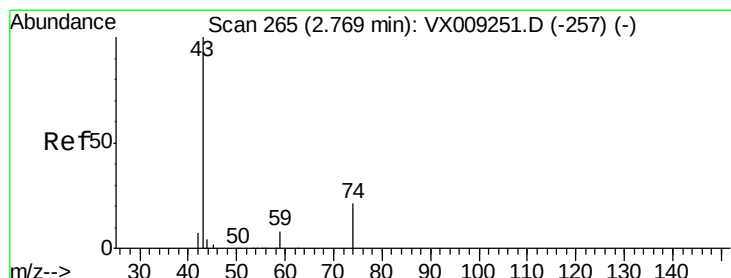
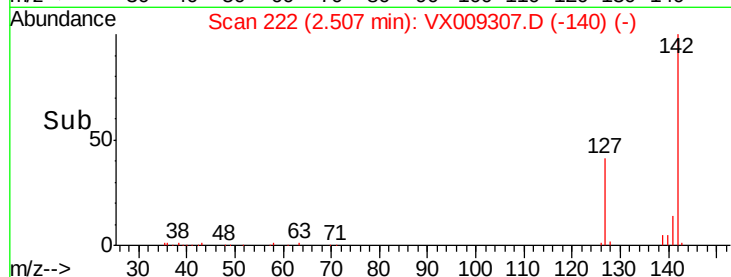
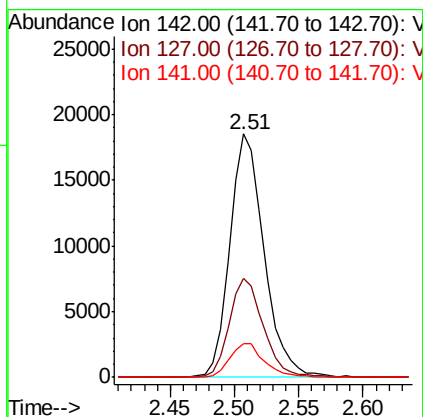
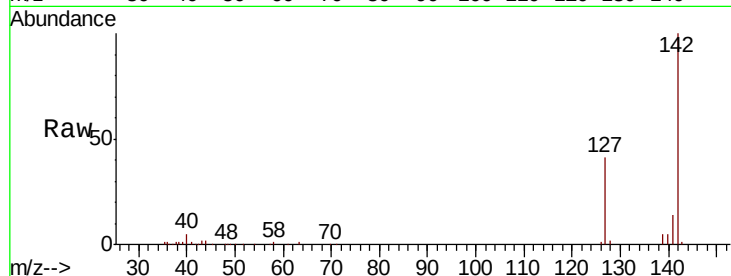




#11
Methvl Iodide
Concen: 19.322 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

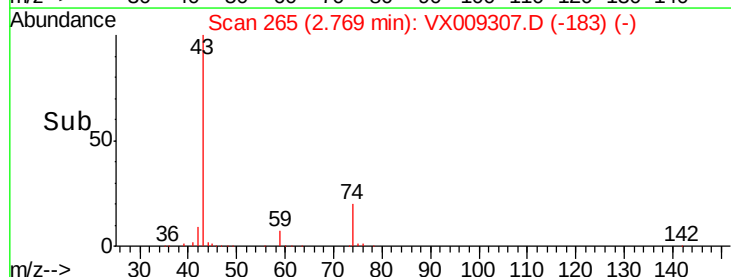
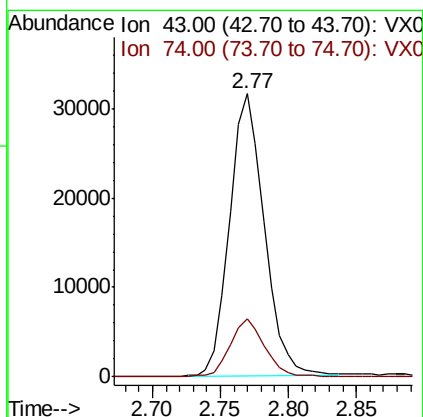
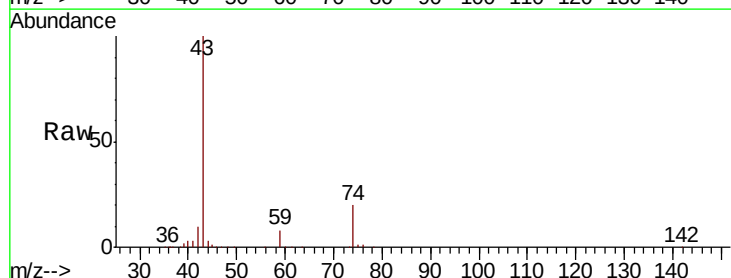
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

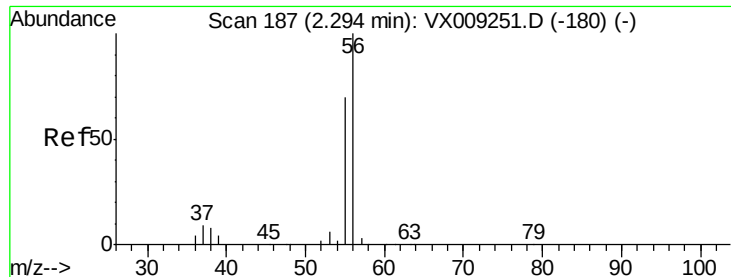
Tot Ion:142 Resp: 34467
Ion Ratio Lower Upper
142 100
127 40.9 20.2 60.5
141 14.1 6.9 20.7



#12
Methyl Acetate
Concen: 18.138 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 56058
Ion Ratio Lower Upper
43 100
74 20.2 16.5 24.7





#13

Acrolein

Concen: 69.784 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

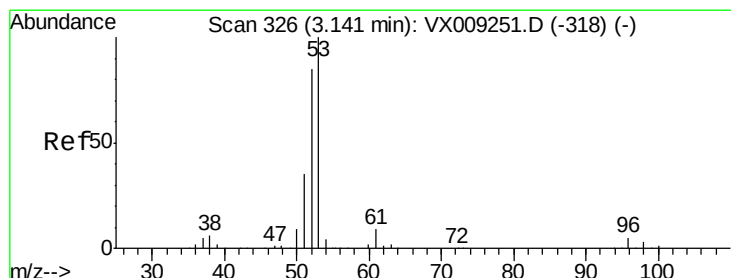
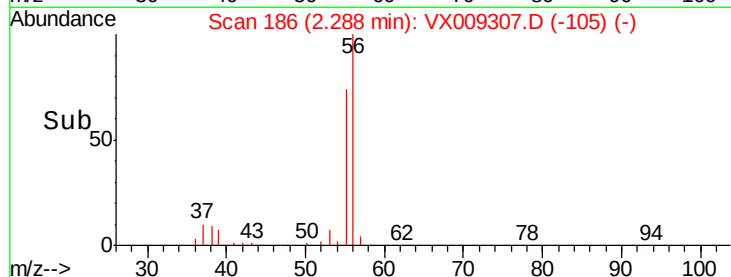
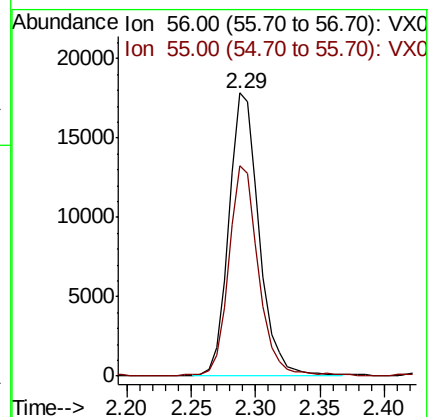
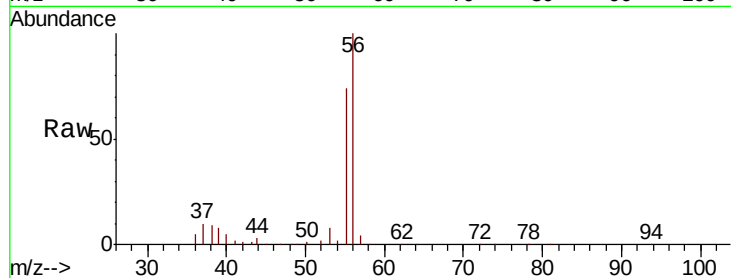
VSTDCCC020EC

Tot Ion: 56 Resp: 29582

Ion Ratio Lower Upper

56 100

55 72.6 56.9 85.3



#14

Acrylonitrile

Concen: 92.943 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

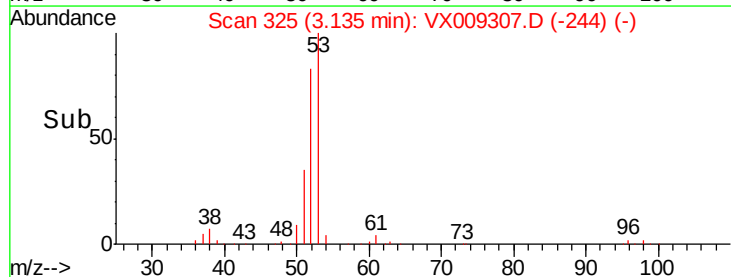
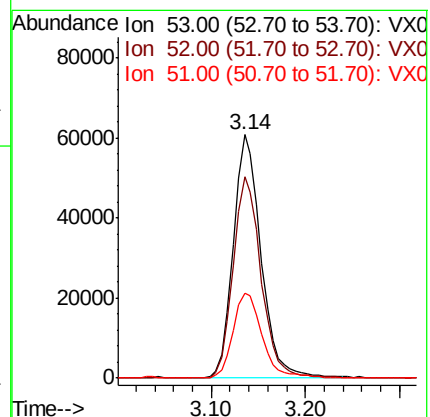
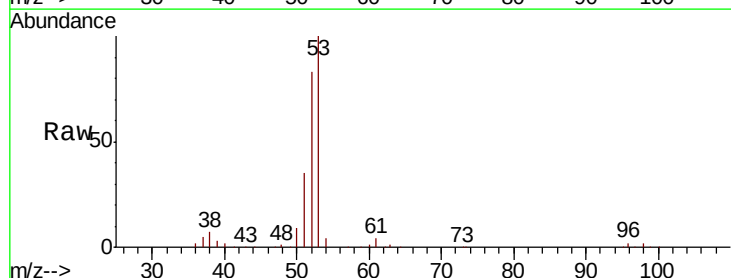
Tgt Ion: 53 Resp: 124666

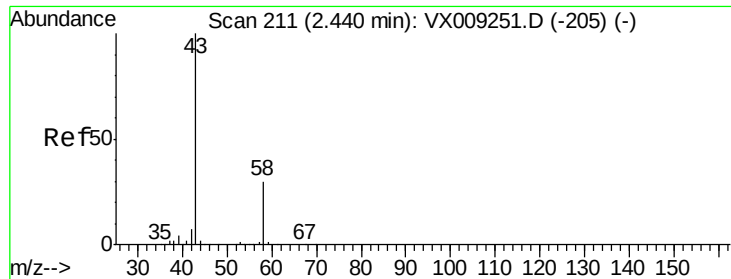
Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.5

51 36.7 17.8 53.3





#15

Acetone

Concen: 90.774 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

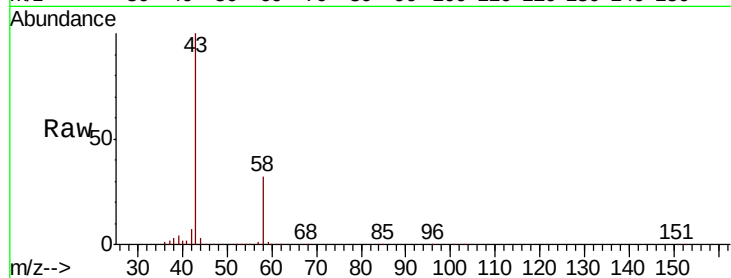
VSTDCCC020EC

Tot Ion: 58 Resp: 34958

Ion Ratio Lower Upper

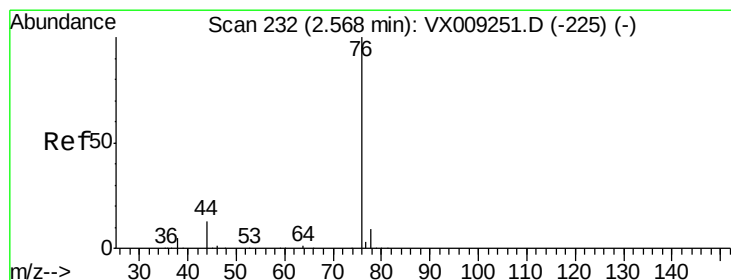
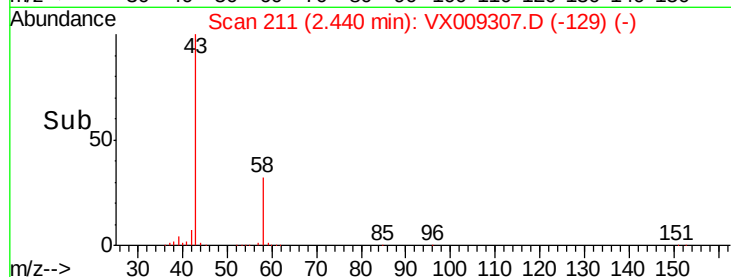
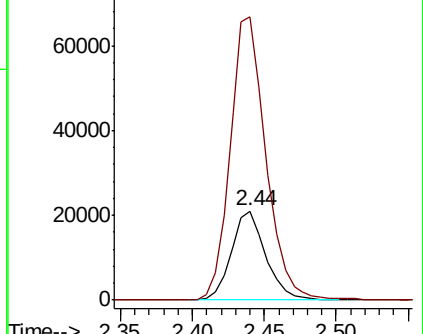
58 100

43 317.7 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.878 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009307.D

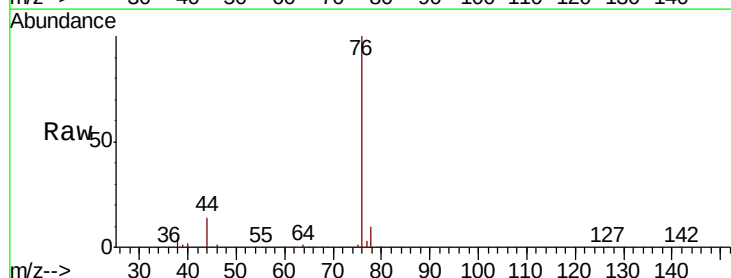
Acq: 03 May 2019 13:33

Tgt Ion: 76 Resp: 83815

Ion Ratio Lower Upper

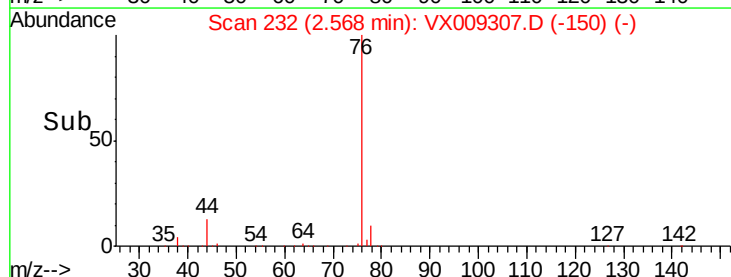
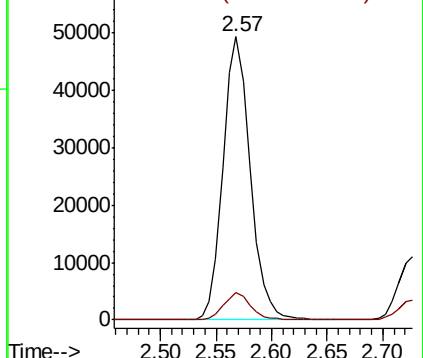
76 100

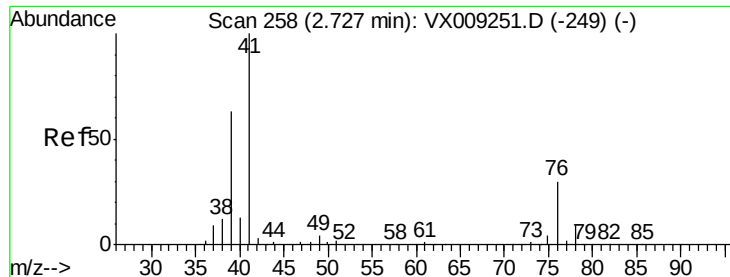
78 9.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

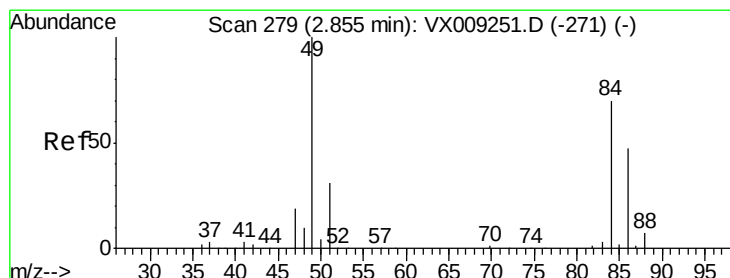
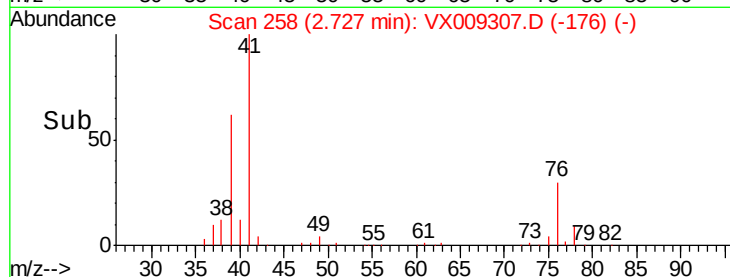
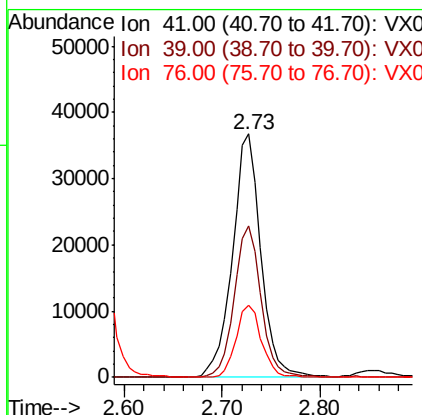
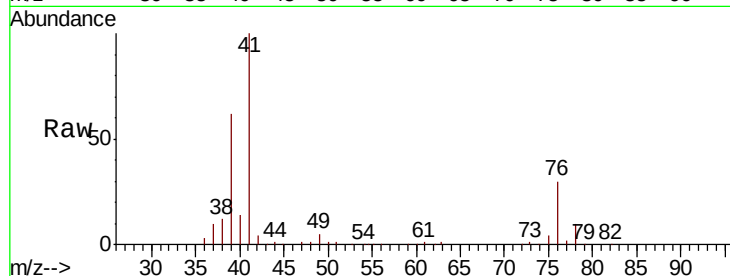




#17
Allvl chloride
Concen: 18.656 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

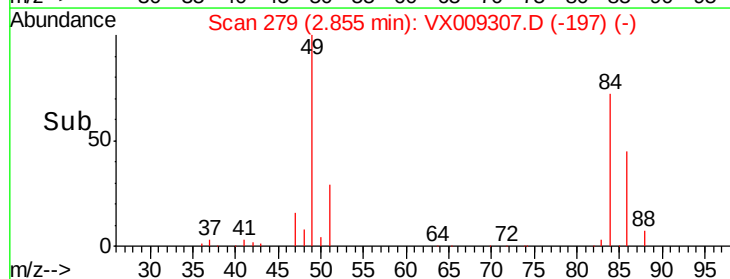
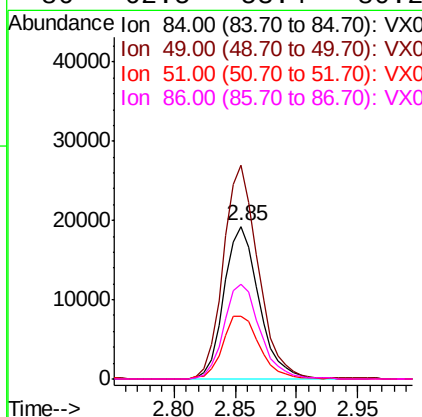
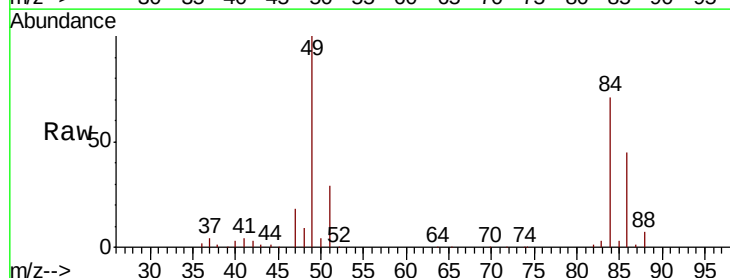
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

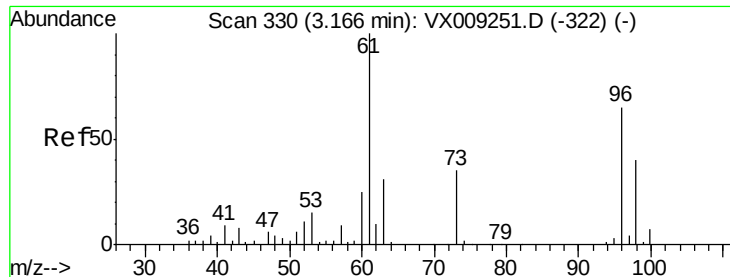
Tot Ion: 41 Resp: 73492
Ion Ratio Lower Upper
41 100
39 62.3 31.6 94.7
76 29.8 15.1 45.3



#18
Methylene Chloride
Concen: 19.189 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 84 Resp: 38053
Ion Ratio Lower Upper
84 100
49 140.4 114.6 171.8
51 40.8 35.5 53.3
86 62.5 53.4 80.2





#19

trans-1,2-Dichloroethene

Concen: 19.137 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

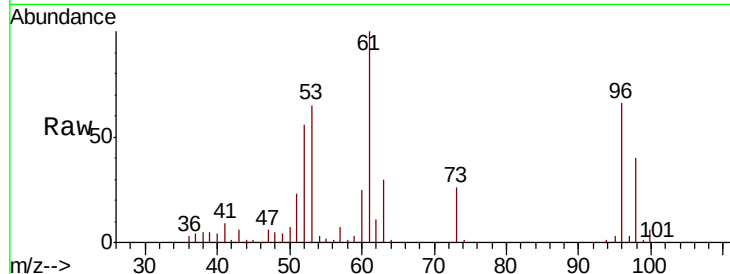
Tot Ion: 96 Resp: 33482

Ion Ratio Lower Upper

96 100

61 150.5 122.7 184.1

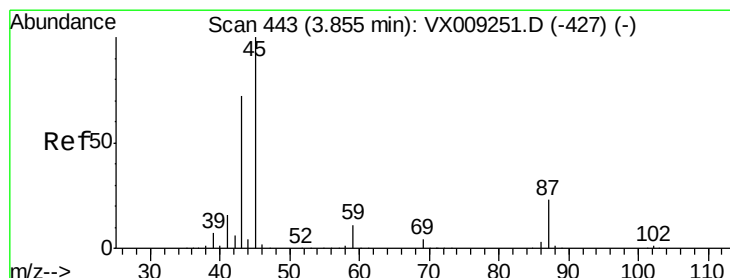
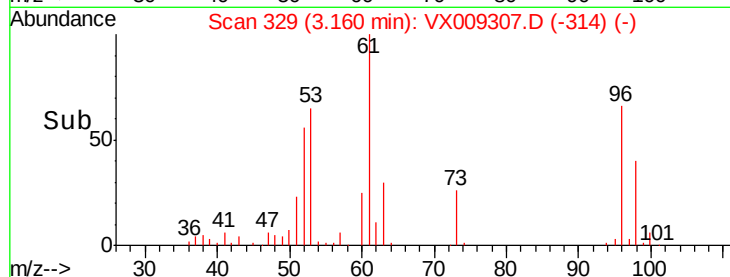
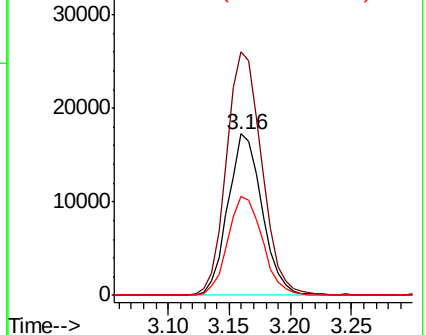
98 61.0 49.5 74.3



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



#20

Diisopropyl ether

Concen: 19.166 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Tgt Ion: 45 Resp: 148686

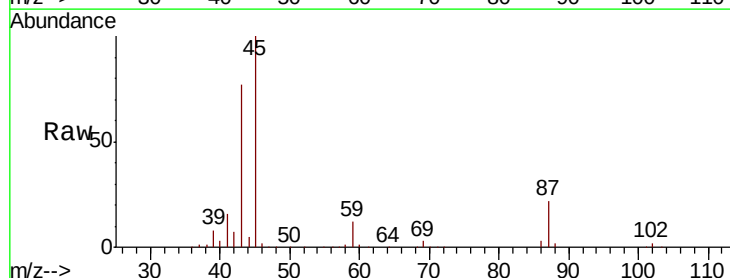
Ion Ratio Lower Upper

45 100

43 75.4 57.7 86.5

87 22.5 18.5 27.7

59 11.6 8.8 13.2

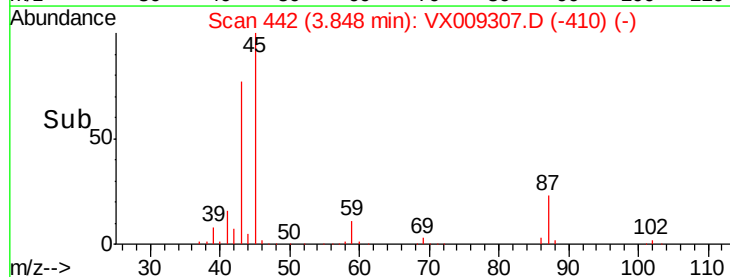
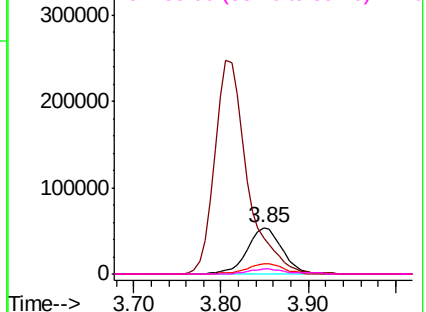


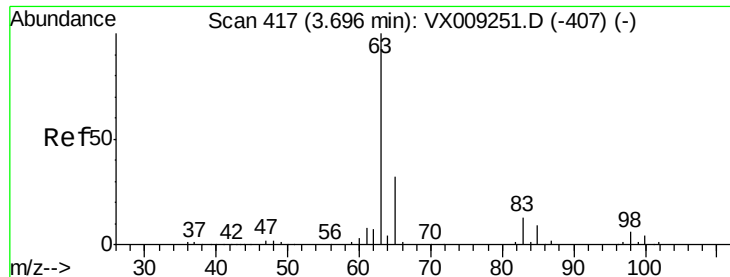
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 18.955 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

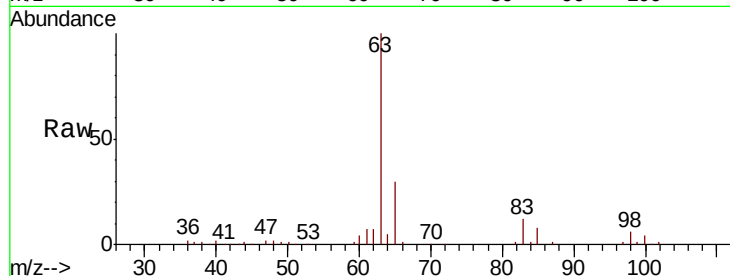
Tot Ion: 63 Resp: 71162

Ion Ratio Lower Upper

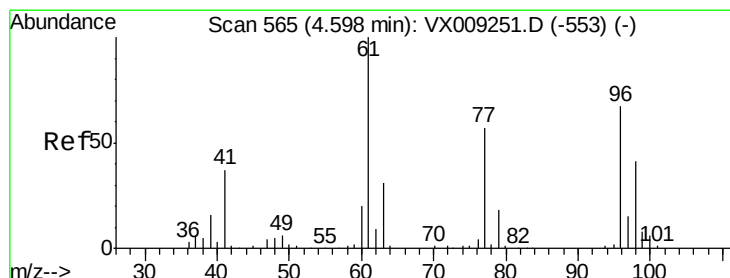
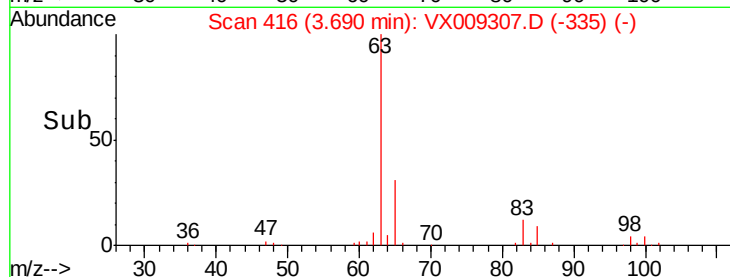
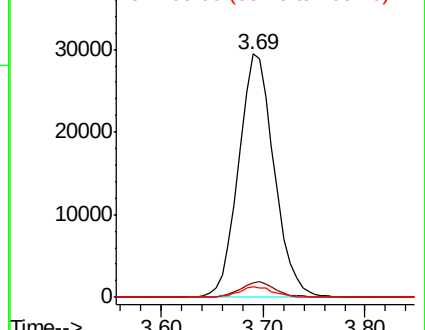
63 100

98 6.1 3.1 9.3

100 4.1 2.2 6.6



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: 19.298 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

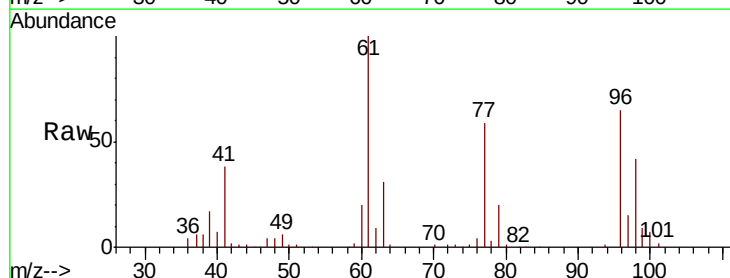
Tgt Ion: 96 Resp: 40669

Ion Ratio Lower Upper

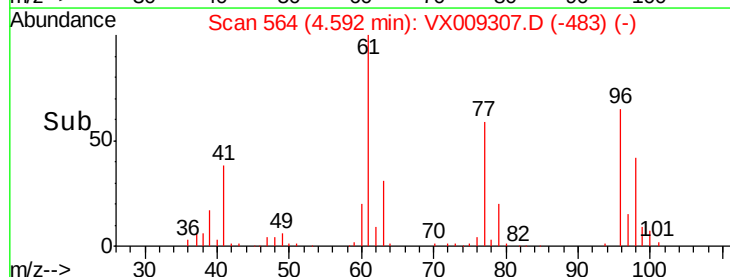
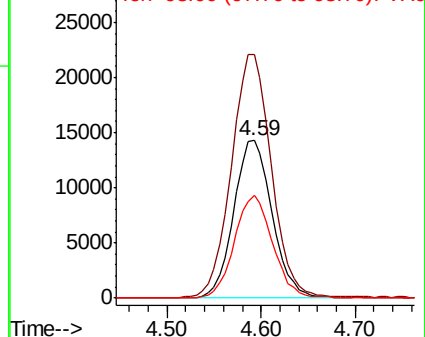
96 100

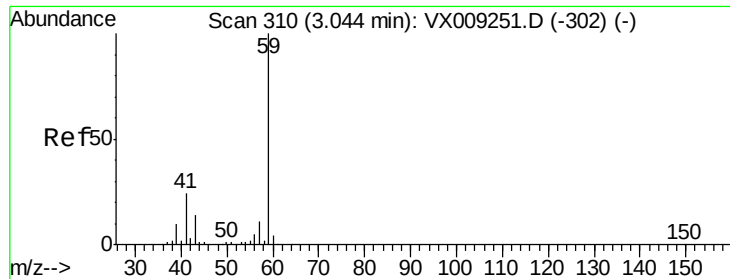
61 161.2 127.7 191.5

98 64.5 50.5 75.7



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: 91.150 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

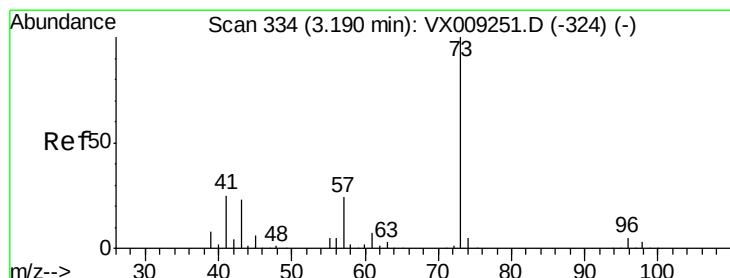
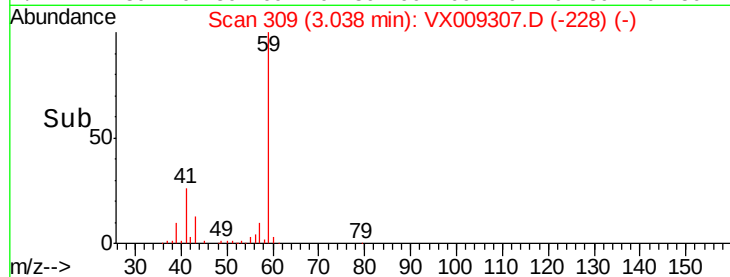
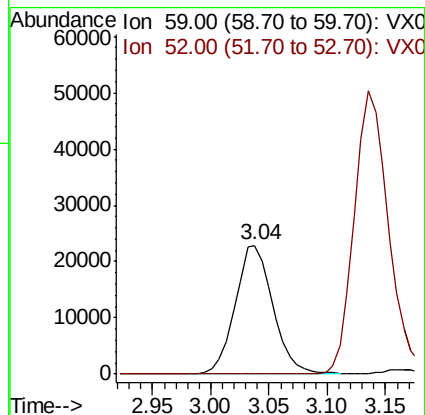
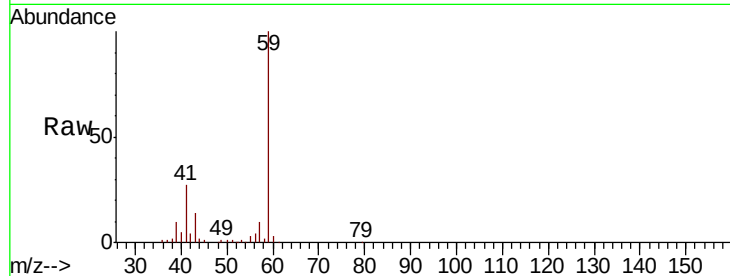
VSTDCCC020EC

Tot Ion: 59 Resp: 51697

Ion Ratio Lower Upper

59 100

52 0.3 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 18.885 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009307.D

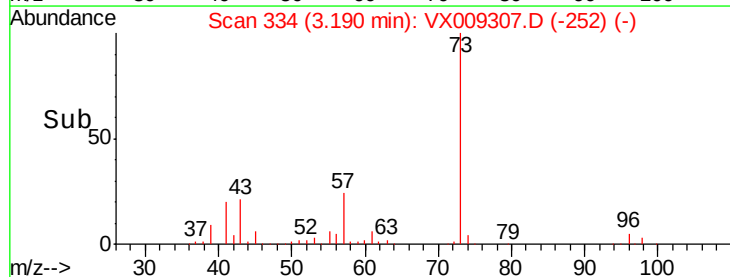
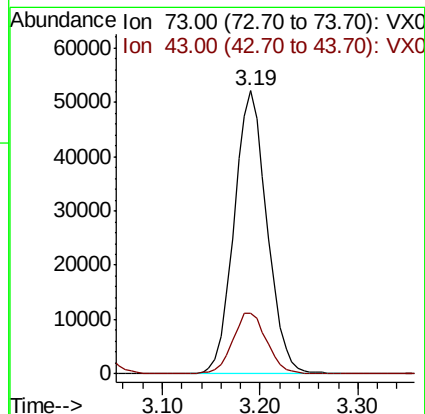
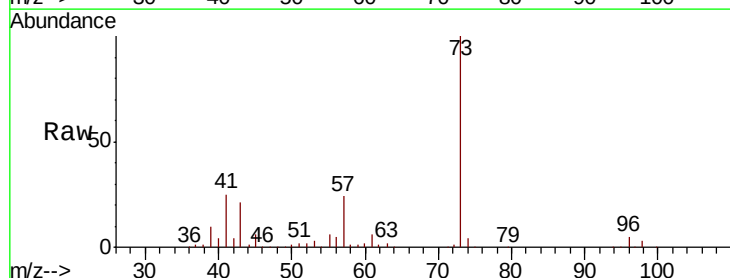
Acq: 03 May 2019 13:33

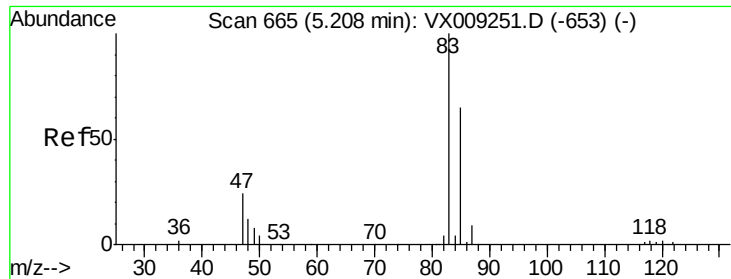
Tgt Ion: 73 Resp: 121275

Ion Ratio Lower Upper

73 100

43 22.0 17.6 26.4

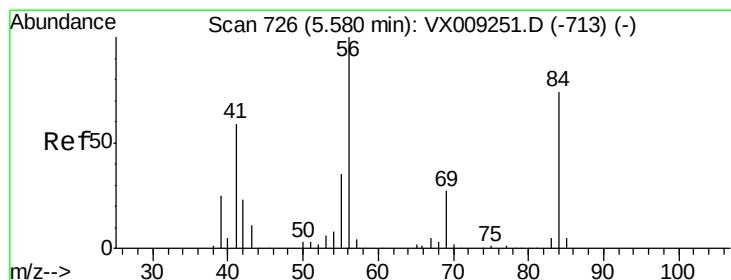
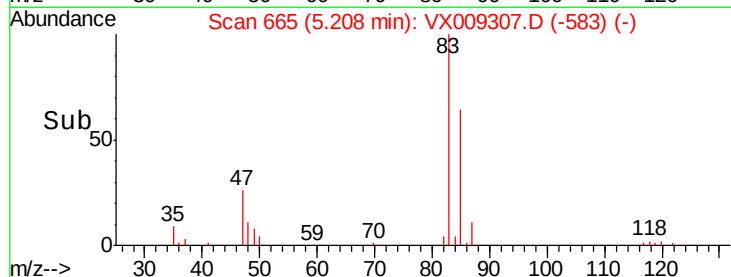
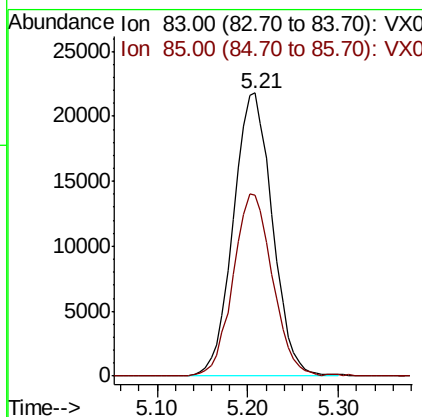
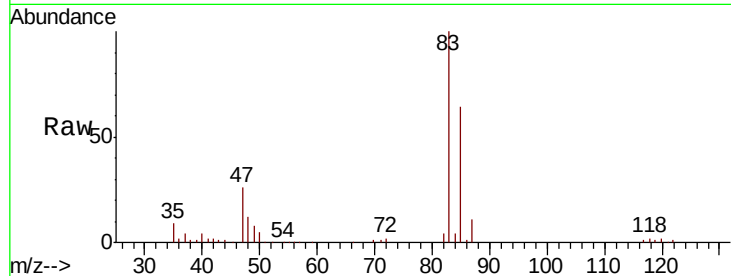




#25
Chloroform
Concen: 19.156 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

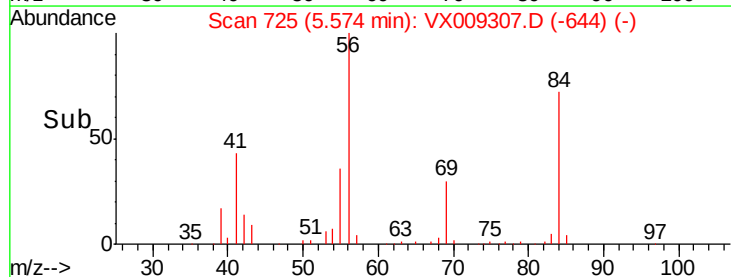
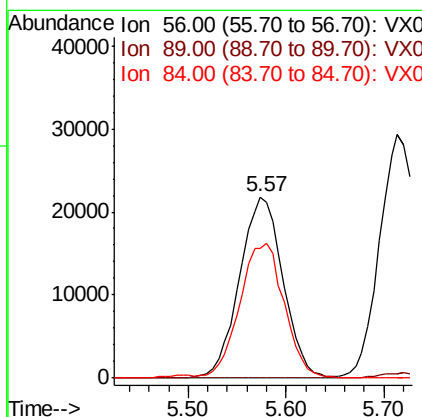
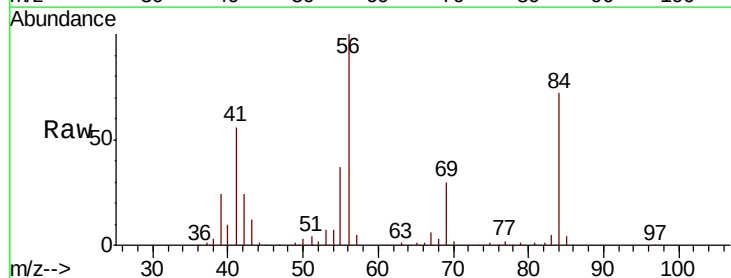
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

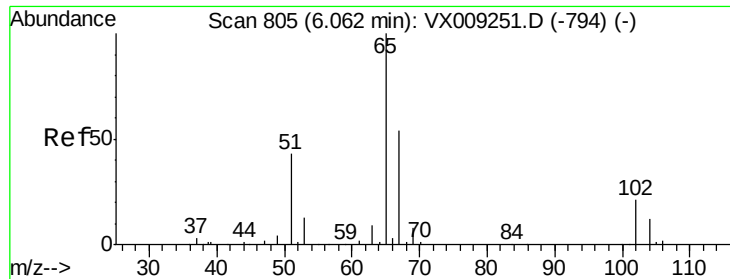
Tot Ion: 83 Resp: 65630
Ion Ratio Lower Upper
83 100
85 63.7 51.9 77.9



#26
Cyclohexane
Concen: 19.222 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 56 Resp: 67259
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.9 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 28.791 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

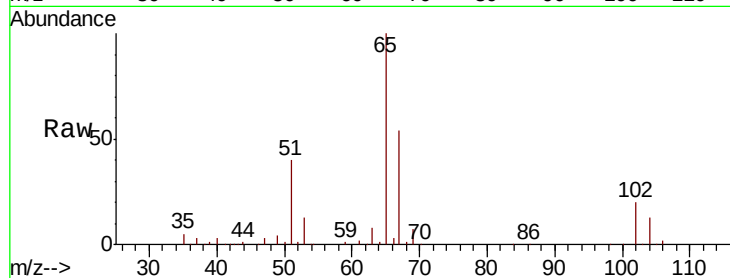
VSTDCCC020EC

Tot Ion: 65 Resp: 71649

Ion Ratio Lower Upper

65 100

67 54.2 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

30000

25000

20000

15000

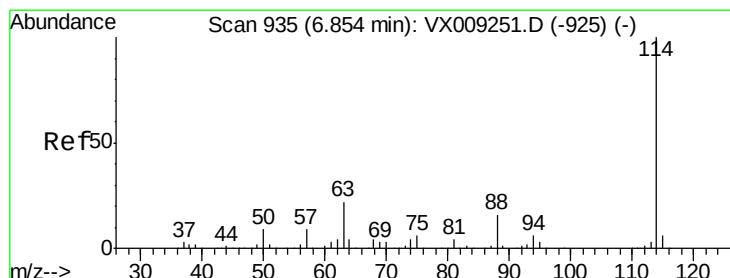
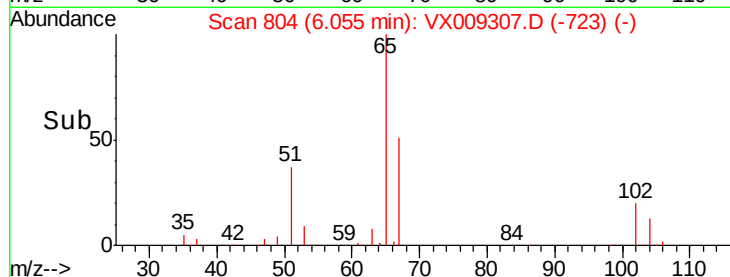
10000

5000

0

Time-->

6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

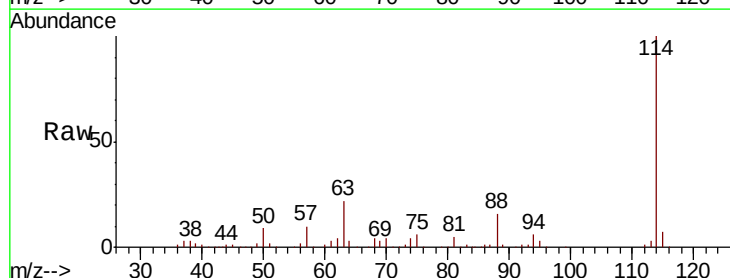
Tgt Ion: 114 Resp: 171559

Ion Ratio Lower Upper

114 100

63 22.5 18.0 27.0

88 16.2 13.4 20.0



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

6.85

100000

80000

60000

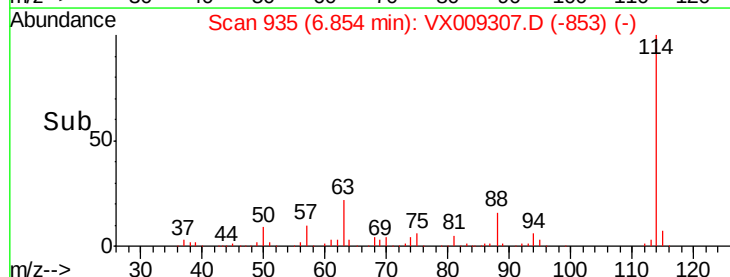
40000

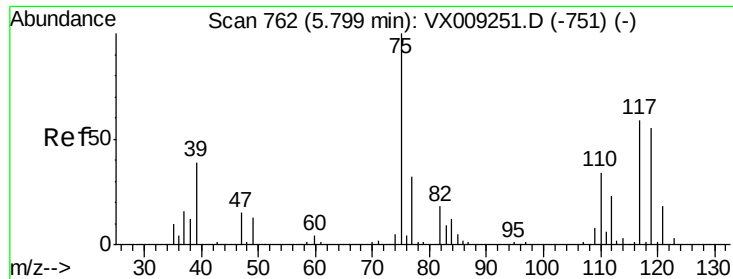
20000

0

Time-->

6.80 6.90 7.00

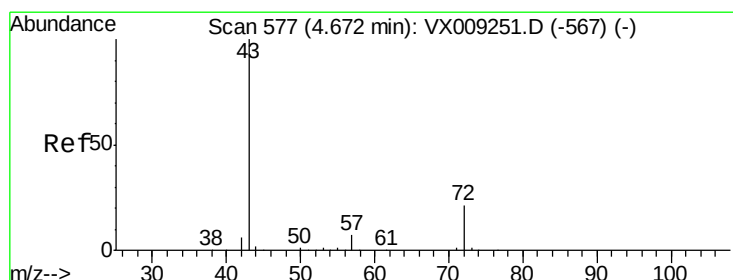
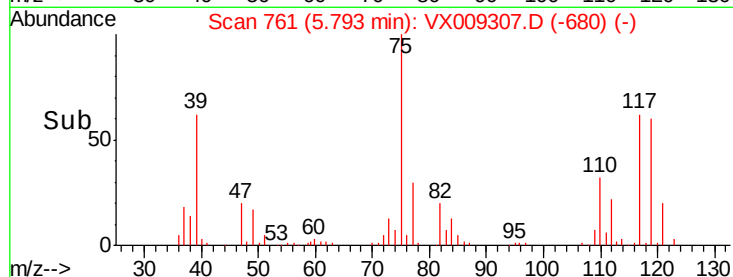
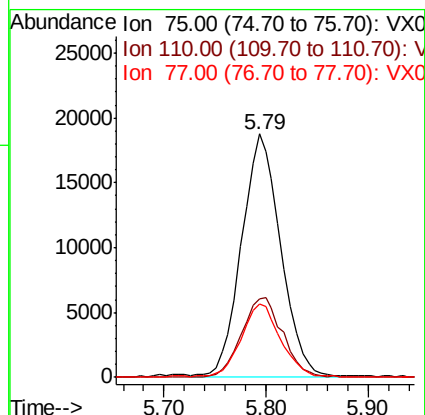
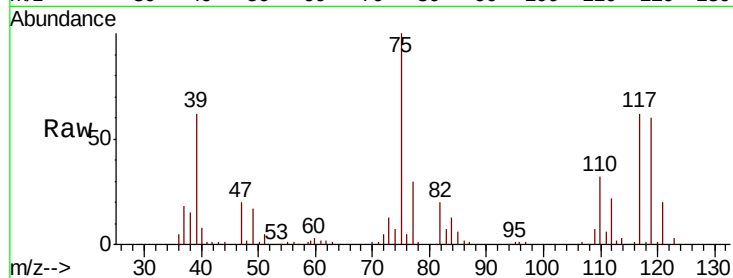




#29
 1,1-Dichloropropene
 Concen: 19.946 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

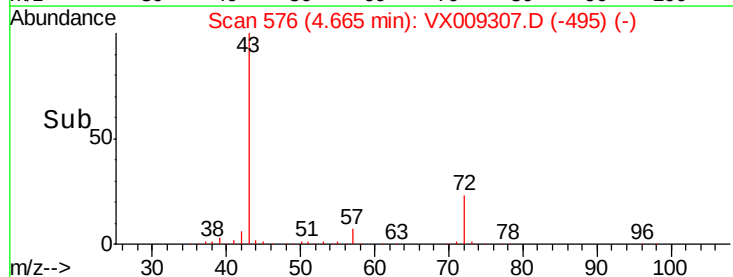
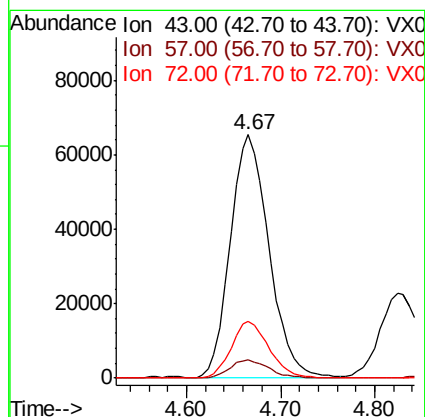
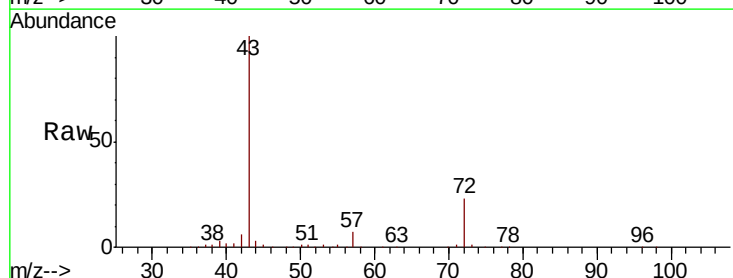
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

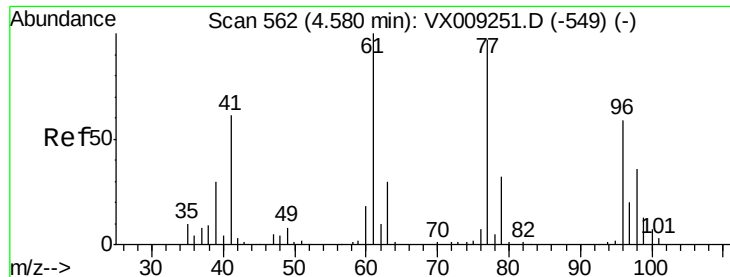
Tot Ion: 75 Resp: 50211
 Ion Ratio Lower Upper
 75 100
 110 34.2 0.0 66.4
 77 30.4 0.0 62.2



#30
 2-Butanone
 Concen: 94.201 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 185711
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.0 9.0
 72 23.2 18.2 27.4





#31

2,2-Dichloropropane

Concen: 18.853 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

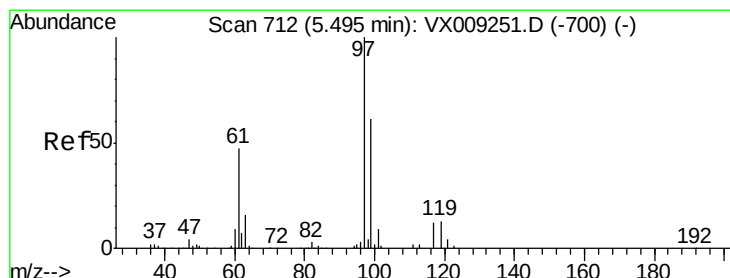
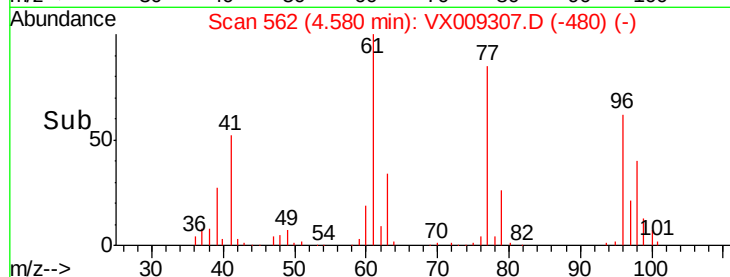
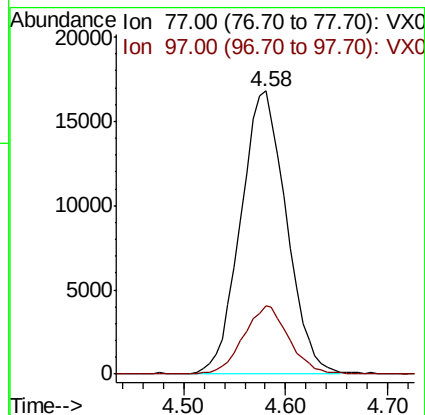
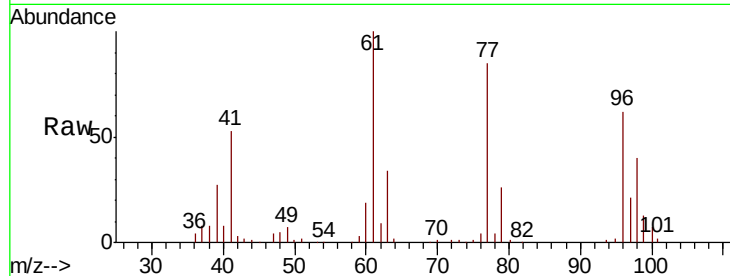
VSTDCCC020EC

Tot Ion: 77 Resp: 52322

Ion Ratio Lower Upper

77 100

97 23.8 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 19.850 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

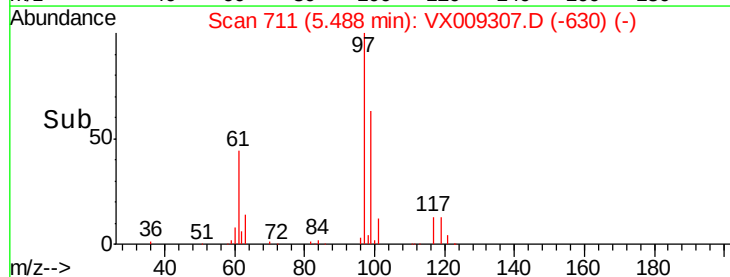
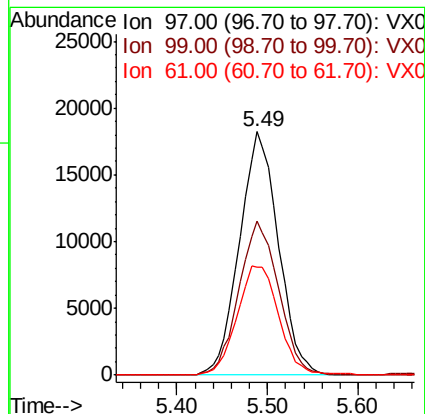
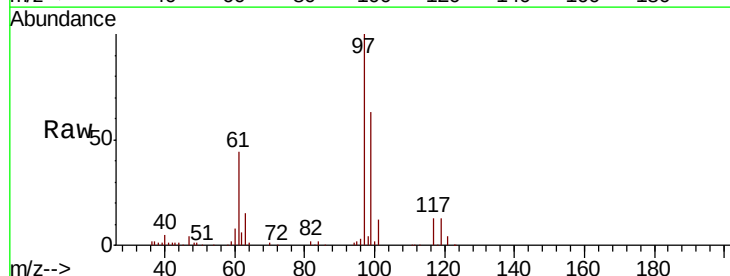
Tgt Ion: 97 Resp: 54171

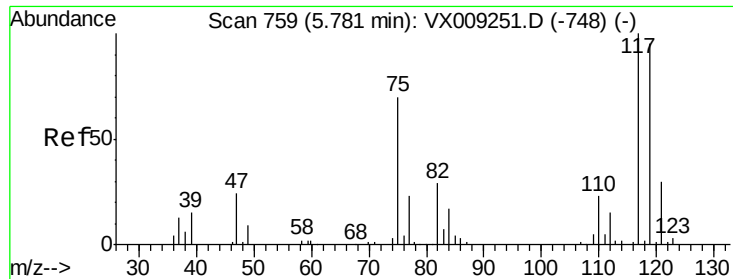
Ion Ratio Lower Upper

97 100

99 64.6 53.9 80.9

61 48.0 38.6 58.0





#33

Carbon Tetrachloride

Concen: 19.429 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

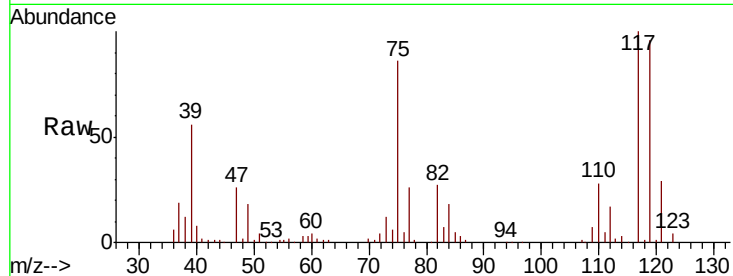
Tot Ion:117 Resp: 44361

Ion Ratio Lower Upper

117 100

119 96.1 76.1 114.1

121 29.2 24.4 36.6

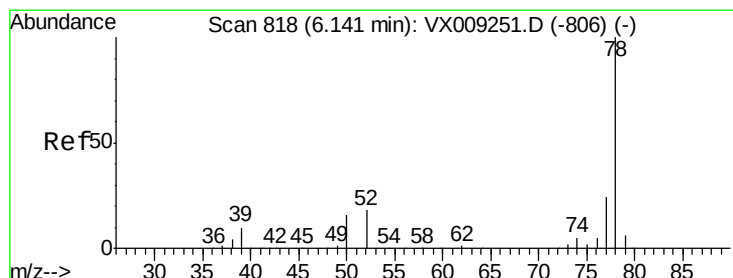
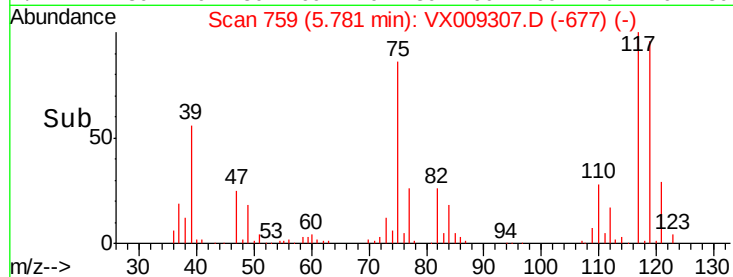
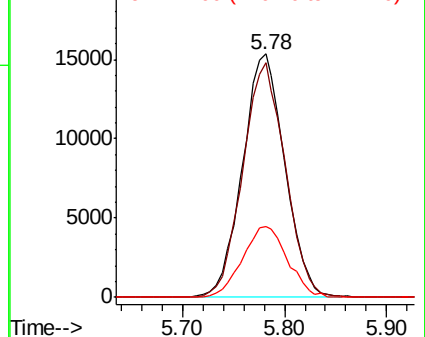


Abundance

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: 19.755 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

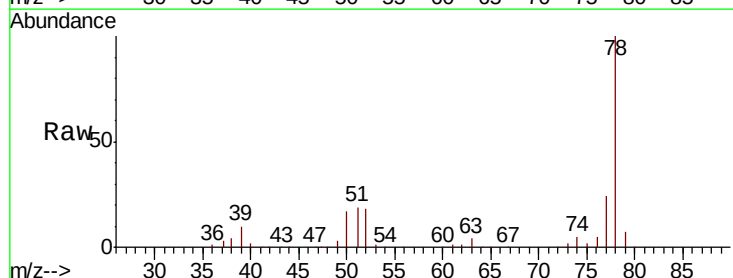
Tgt Ion: 78 Resp: 153313

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

51 18.1 13.5 20.3

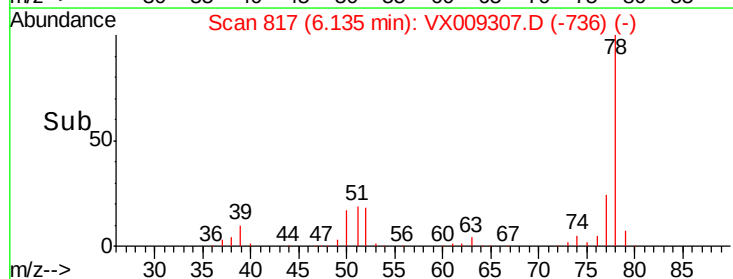
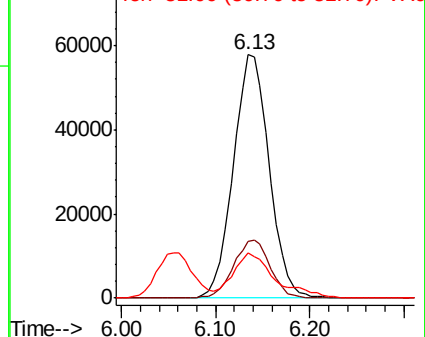


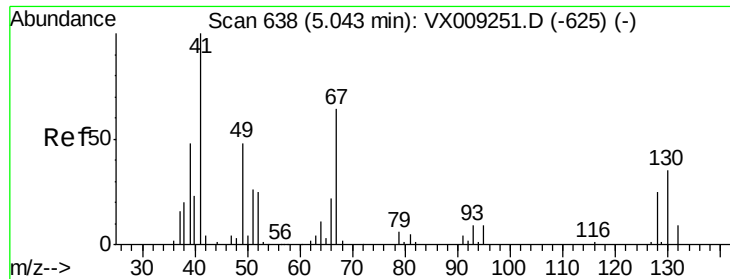
Abundance

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

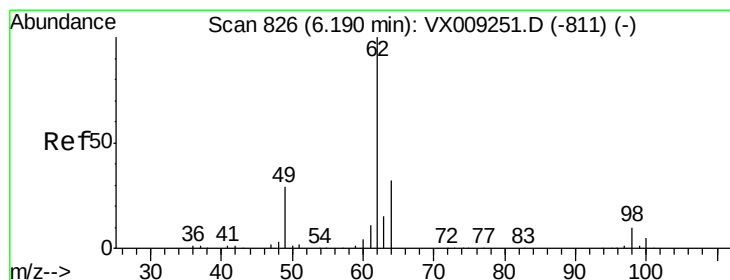
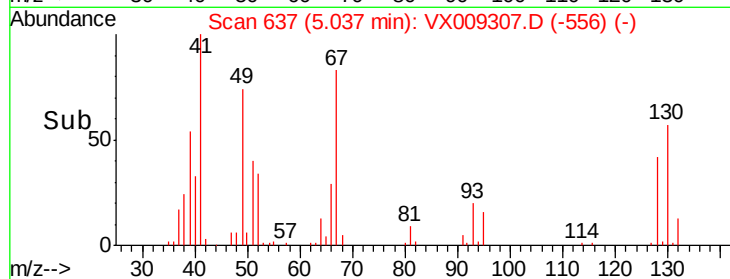
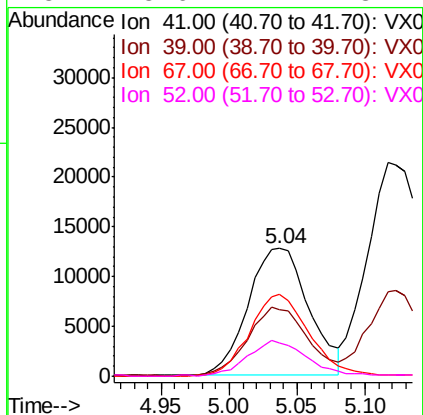
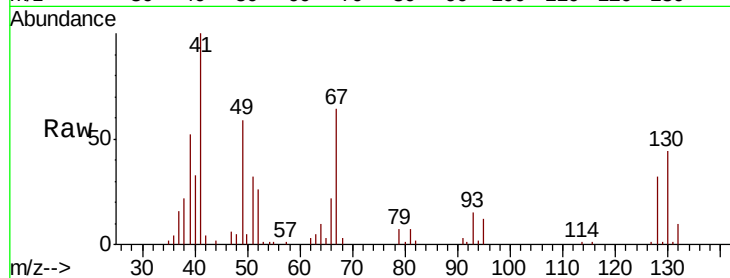




#35
Methacrylonitrile
Concen: 19.349 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

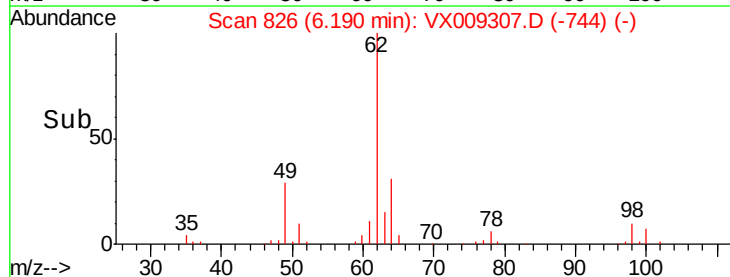
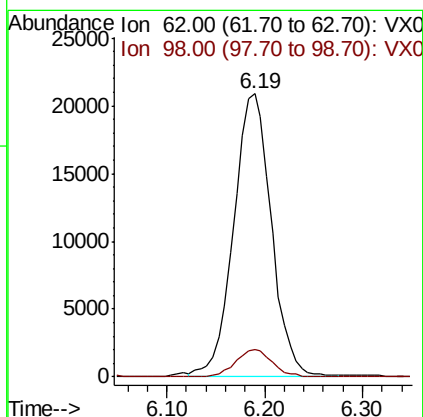
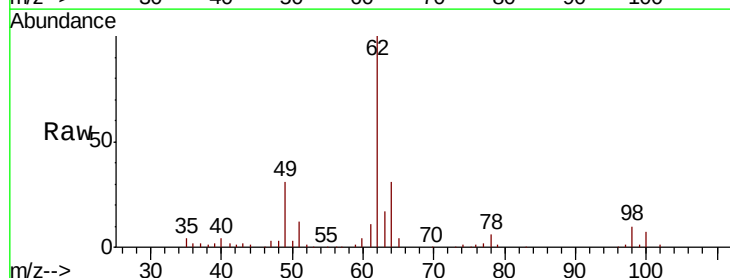
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

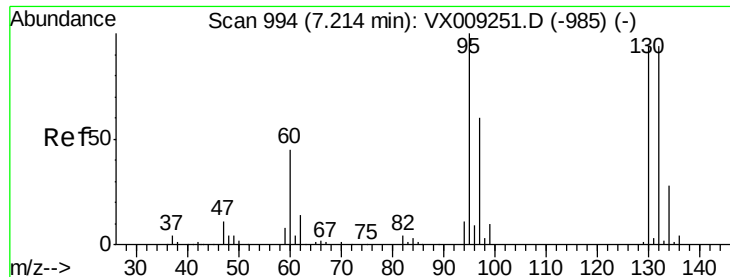
Tot Ion:	41	Resp:	39909
Ion	Ratio	Lower	Upper
41	100		
39	51.5	24.1	72.3
67	64.5	32.2	96.6
52	25.6	12.4	37.4



#36
1,2-Dichloroethane
Concen: 19.880 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion:	62	Resp:	55985
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2





#37

Trichloroethene

Concen: 19.793 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

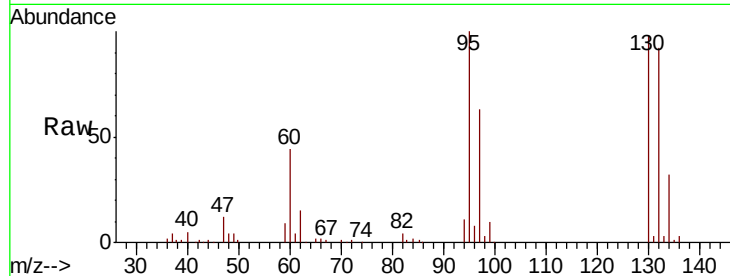
VSTDCCC020EC

Tot Ion:130 Resp: 36978

Ion Ratio Lower Upper

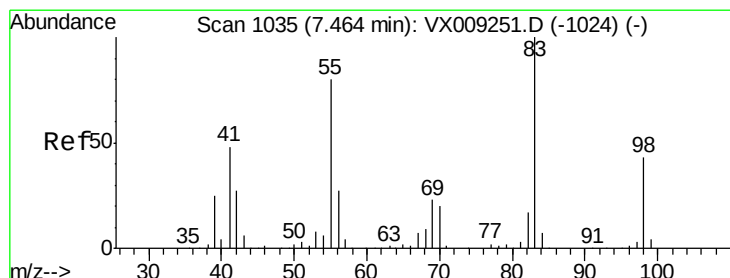
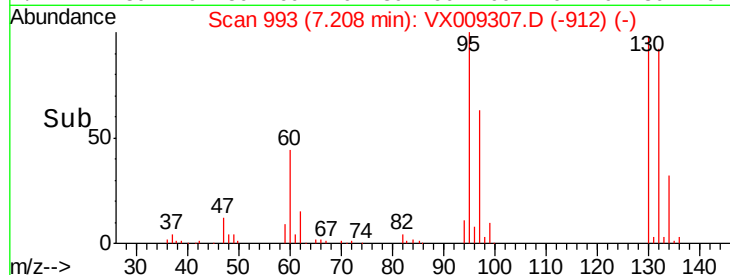
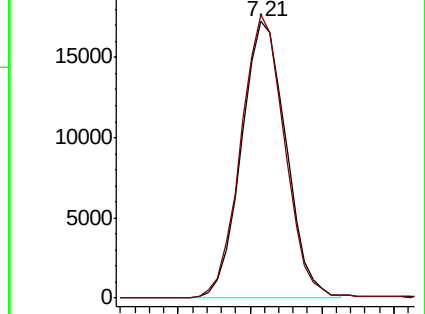
130 100

95 102.0 85.0 127.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.922 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

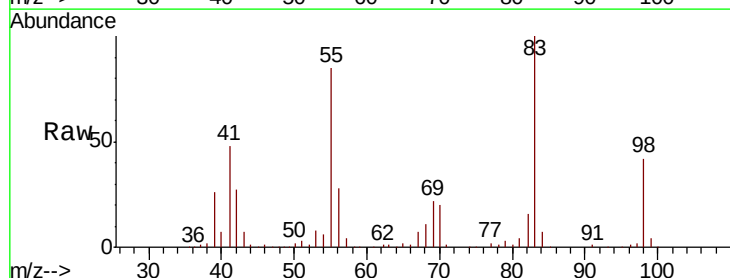
Tgt Ion: 83 Resp: 61960

Ion Ratio Lower Upper

83 100

55 85.8 43.0 129.2

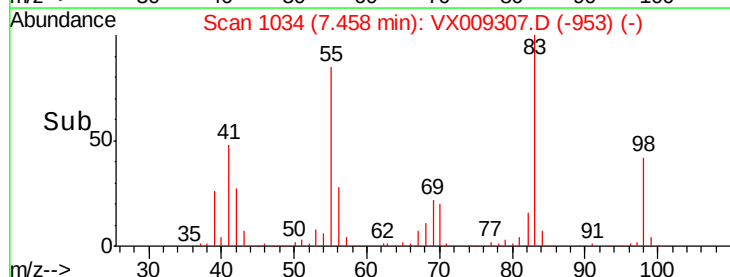
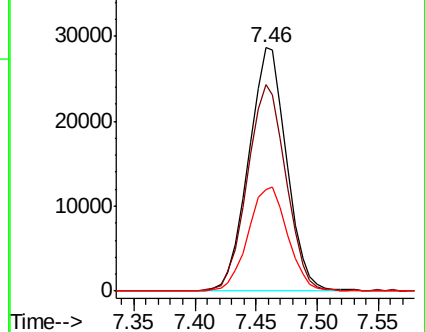
98 44.7 22.1 66.1

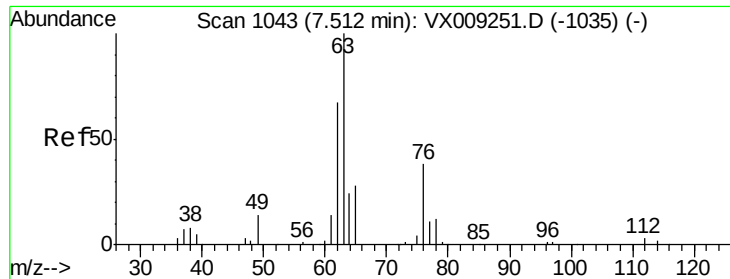


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

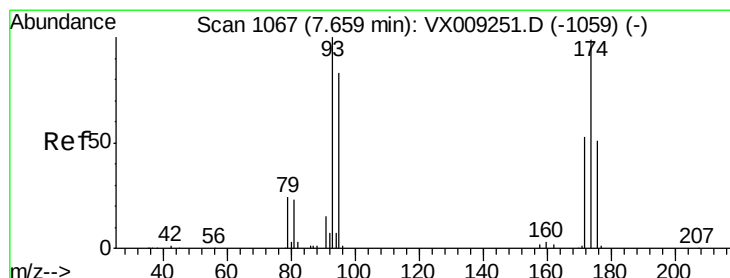
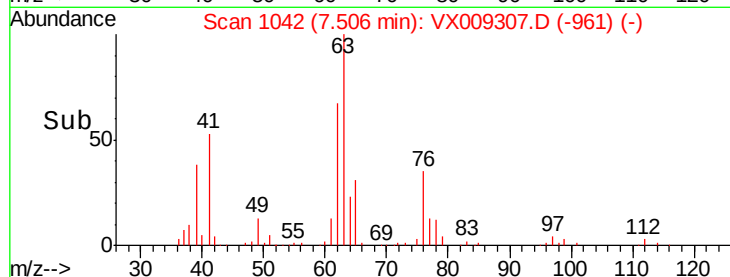
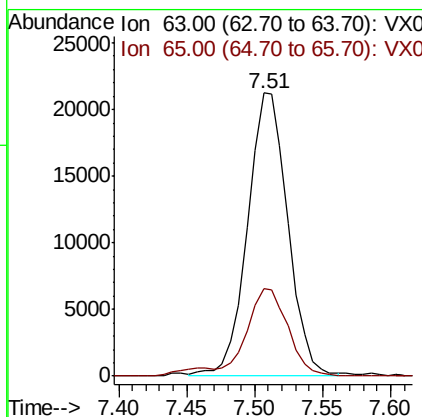
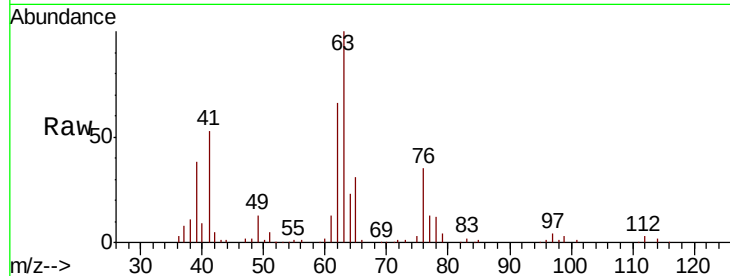




#39
 1,2-Dichloropropane
 Concen: 19.951 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

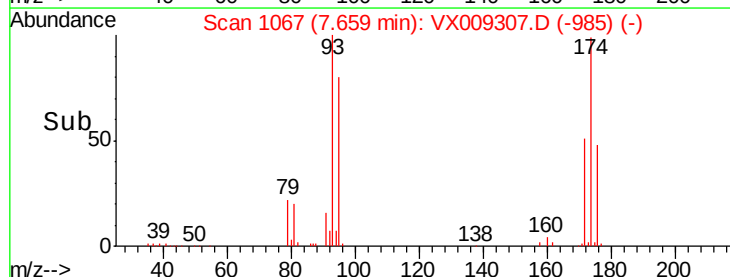
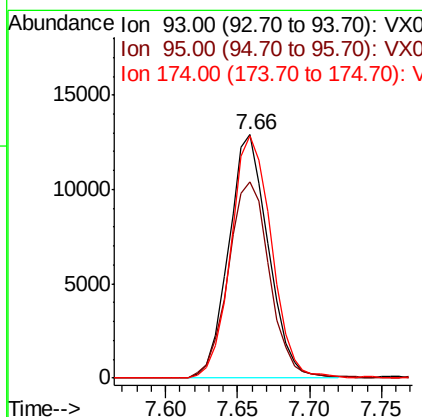
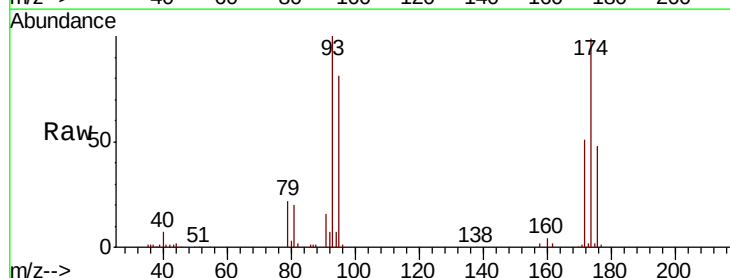
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

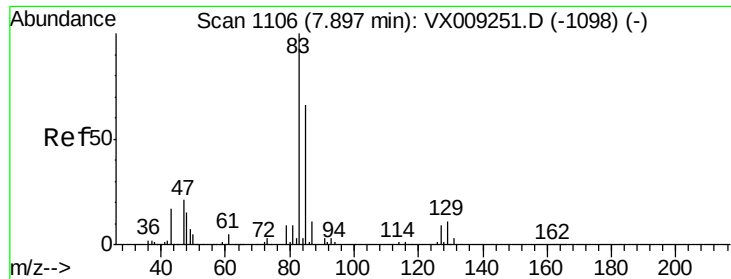
Tot Ion: 63 Resp: 44093
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.0 36.0



#40
 Dibromomethane
 Concen: 19.725 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 93 Resp: 24742
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 167.2
 174 101.8 0.0 203.4

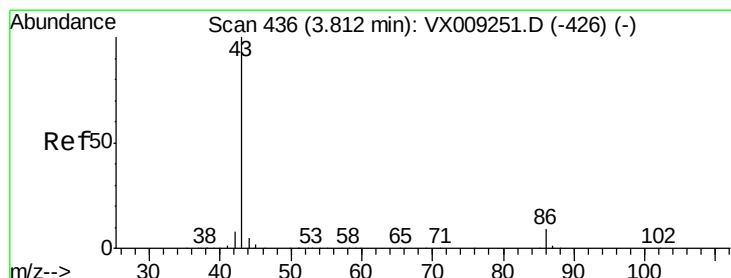
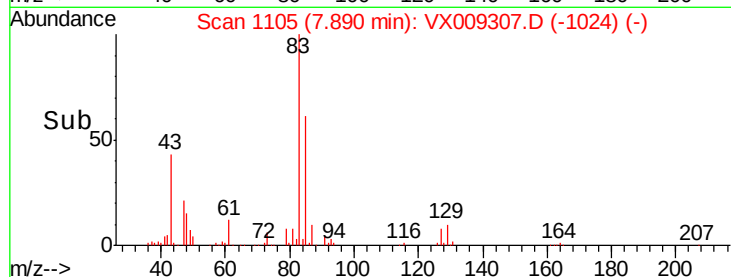
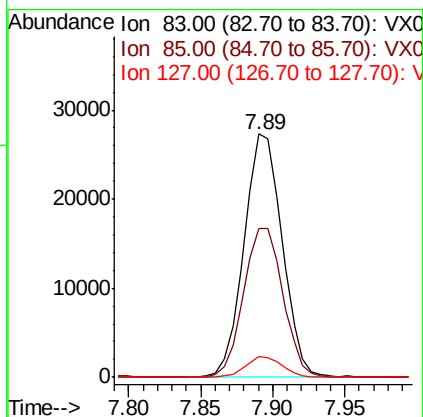
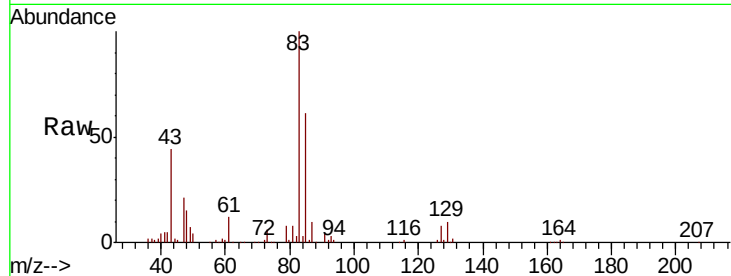




#41
Bromodichloromethane
Concen: 19.569 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

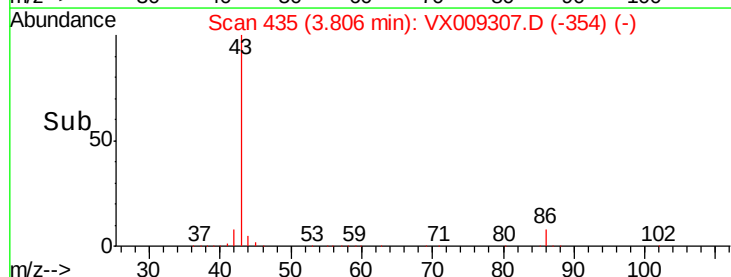
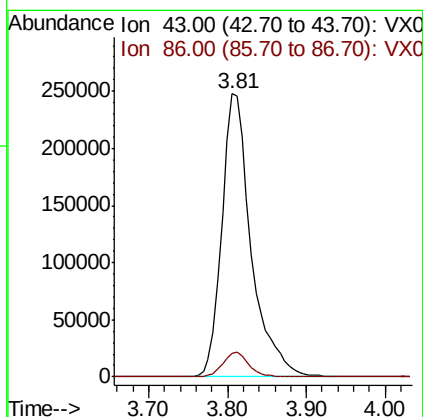
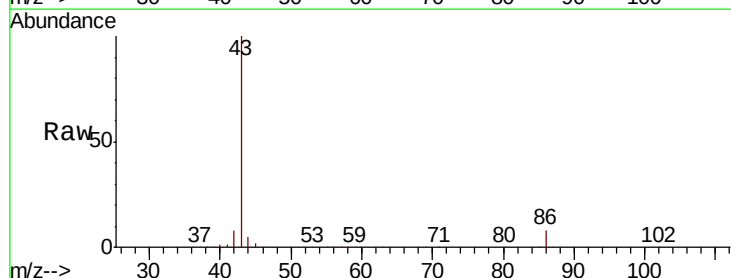
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

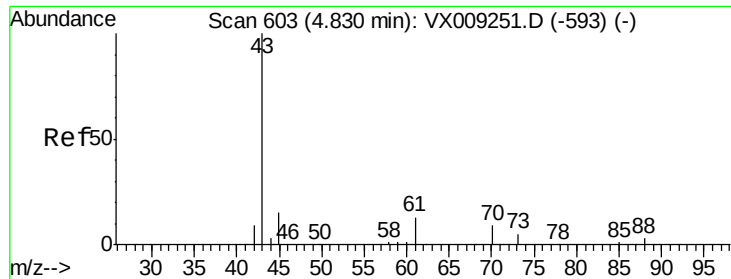
Tot Ion: 83 Resp: 50141
Ion Ratio Lower Upper
83 100
85 61.4 52.6 79.0
127 8.4 6.9 10.3



#42
Vinyl Acetate
Concen: 98.489 ug/l
RT: 3.81 min Scan# 435
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 640834
Ion Ratio Lower Upper
43 100
86 7.7 6.0 9.0

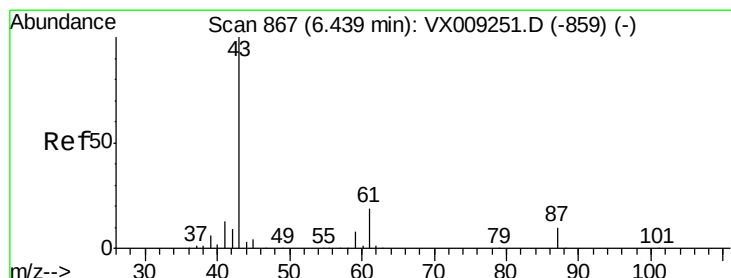
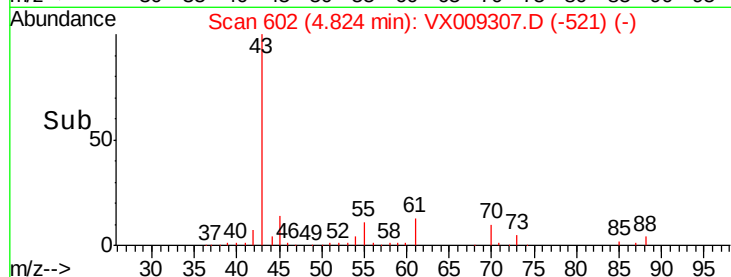
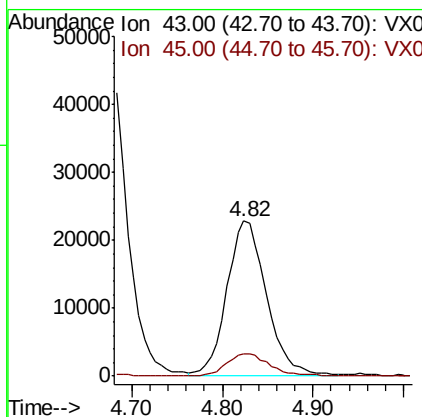
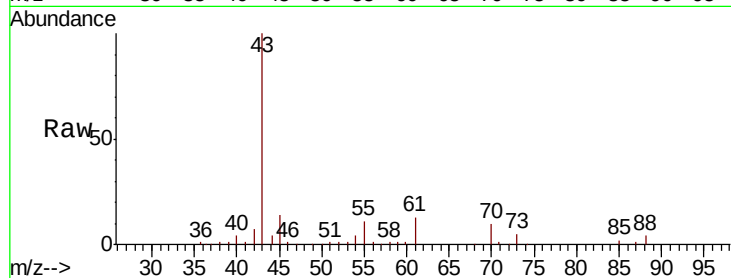




#43
Ethyl Acetate
Concen: 19.362 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

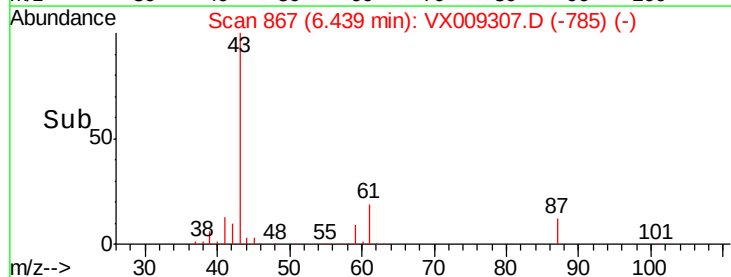
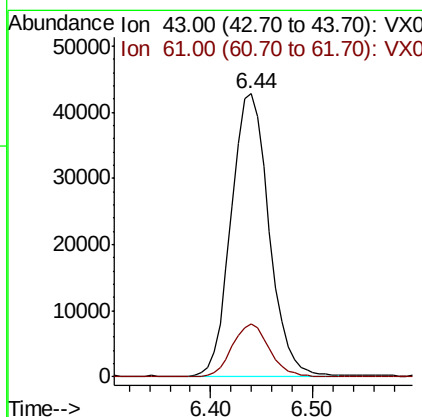
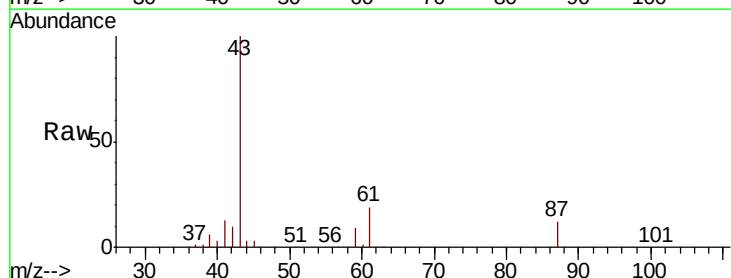
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

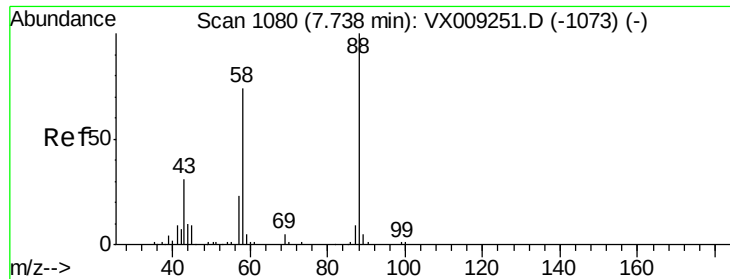
Tot Ion: 43 Resp: 68974
Ion Ratio Lower Upper
43 100
45 14.7 11.8 17.8



#44
Isopropyl Acetate
Concen: 19.098 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 110214
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2

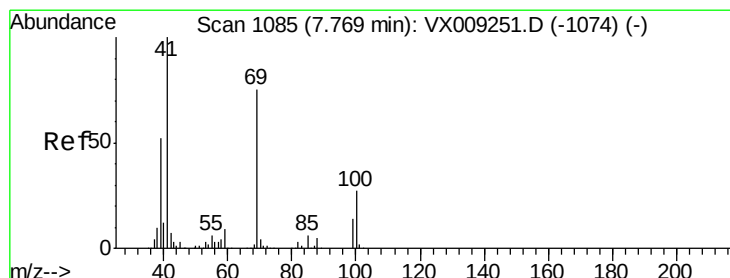
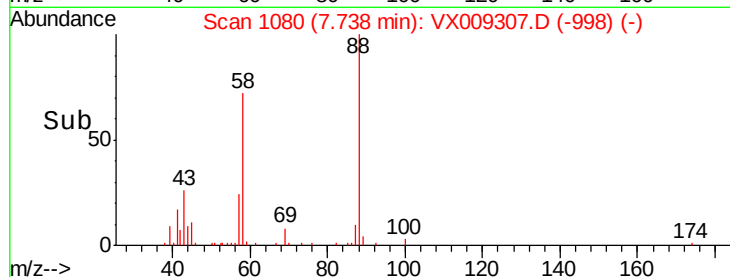
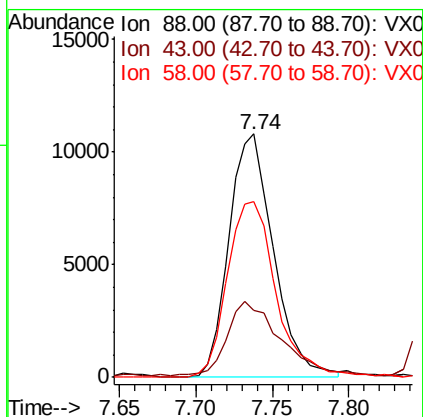
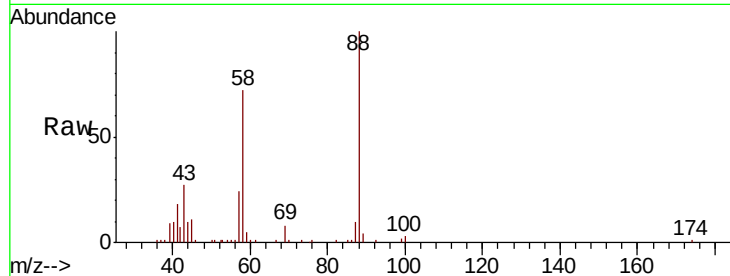




#45
 1,4-Dioxane
 Concen: 385.779 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

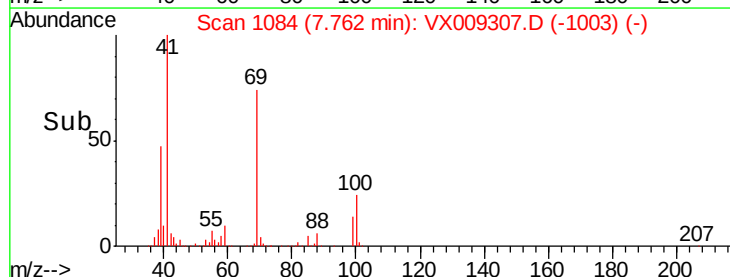
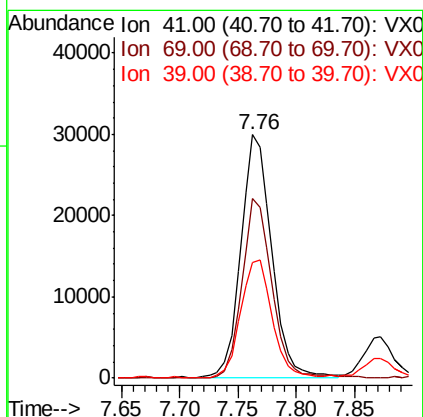
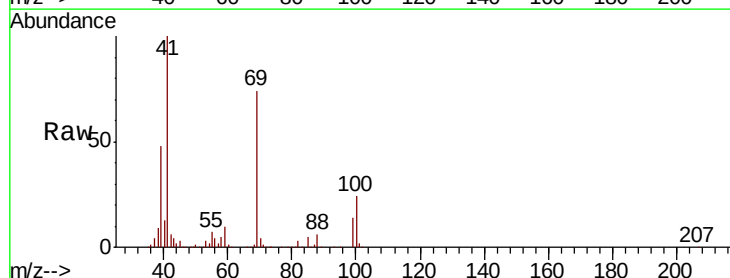
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

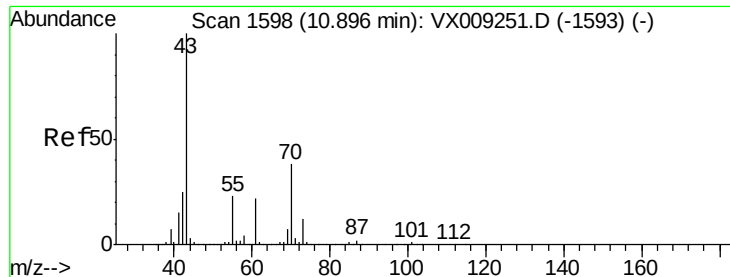
Tot Ion	88	Resp	21858
Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.5	42.7
58	79.1	62.5	93.7



#46
 Methyl methacrylate
 Concen: 19.052 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion	41	Resp	54878
Ion	Ratio	Lower	Upper
41	100		
69	74.0	37.6	112.8
39	47.4	25.8	77.3





#47

n-amyl Acetate

Concen: 18.543 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

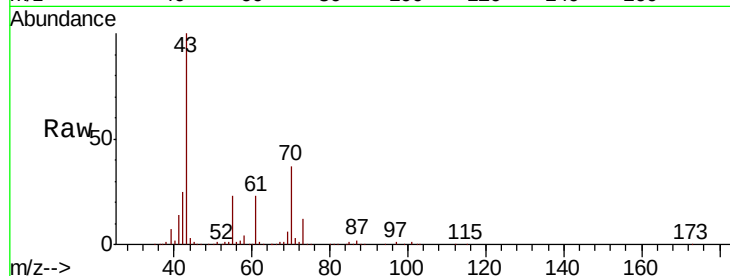
VSTDCCC020EC

Tot Ion: 43 Resp: 96402

Ion Ratio Lower Upper

43 100

55 23.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

80000

60000

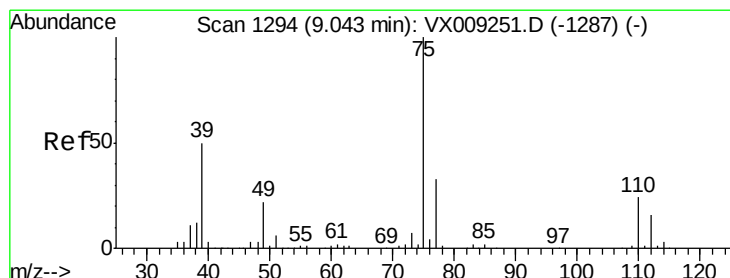
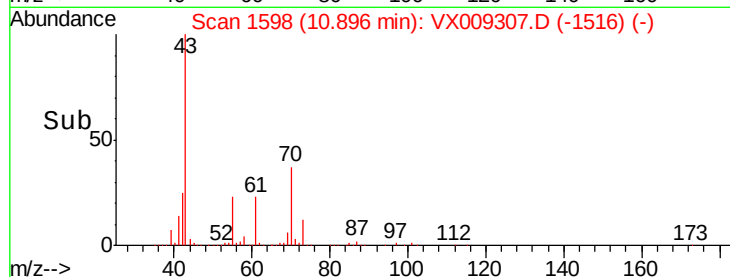
40000

20000

0

10.85 10.90 10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.516 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009307.D

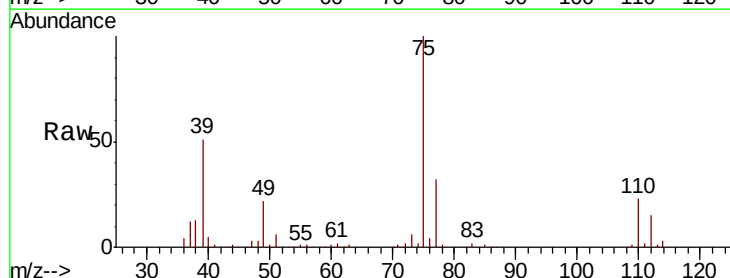
Acq: 03 May 2019 13:33

Tgt Ion: 75 Resp: 55354

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

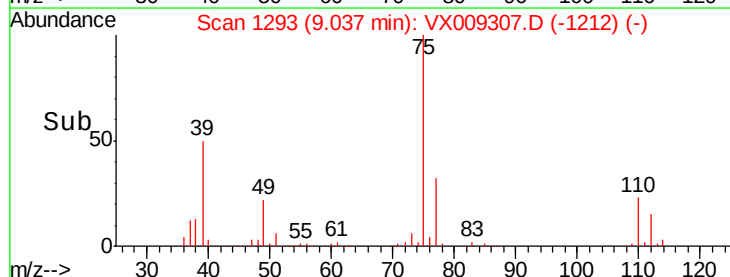
20000

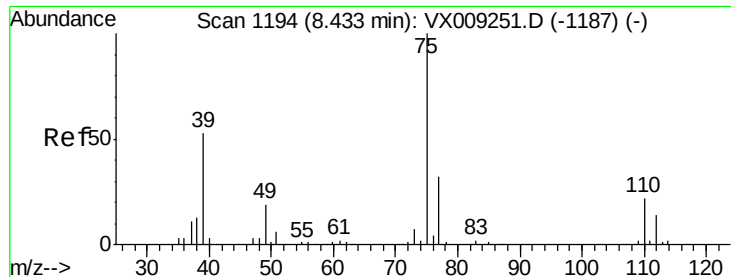
10000

0

9.00 9.05 9.10

Time-->

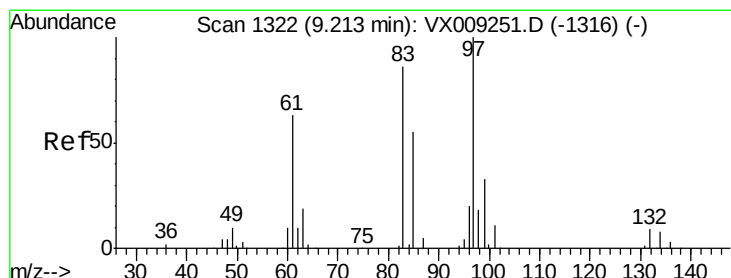
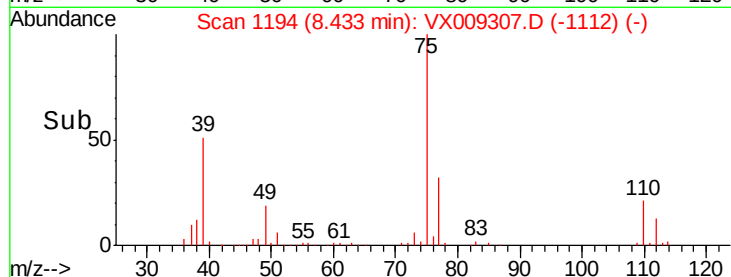
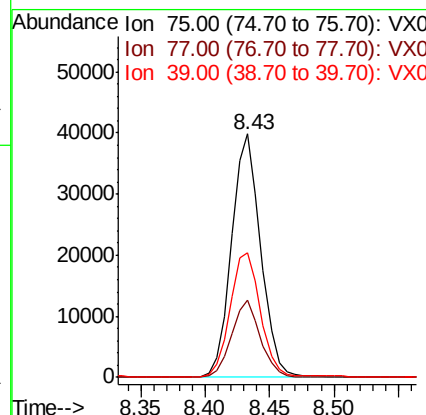
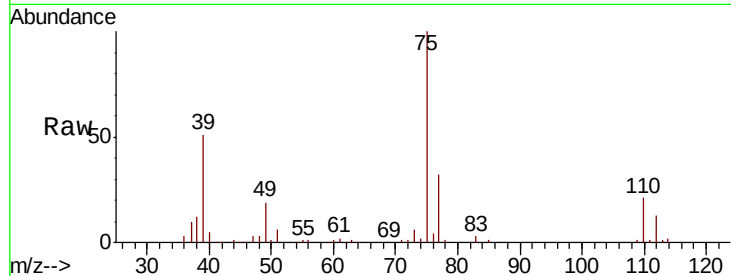




#49
 cis-1,3-Dichloropropene
 Concen: 19.316 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

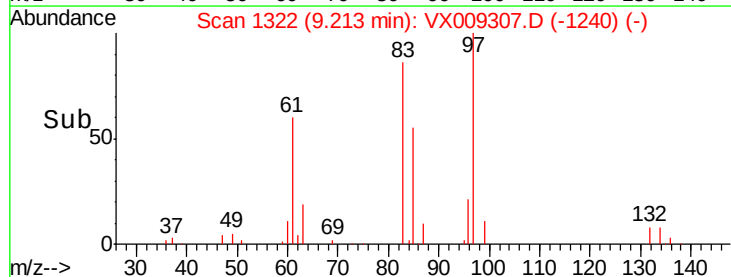
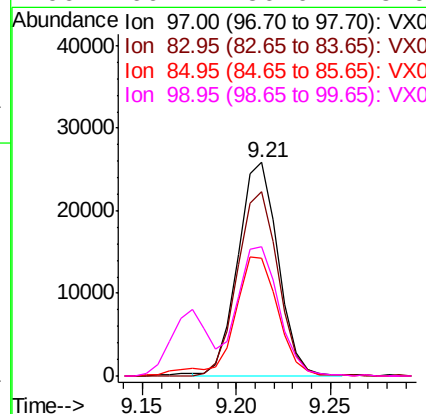
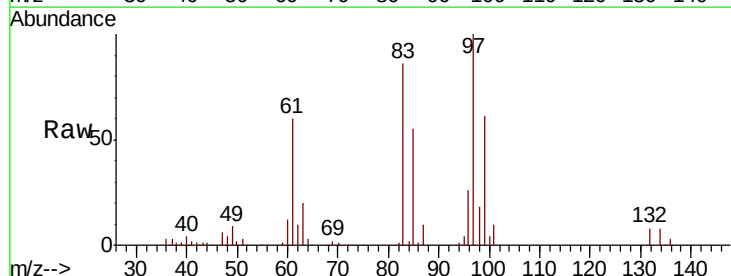
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

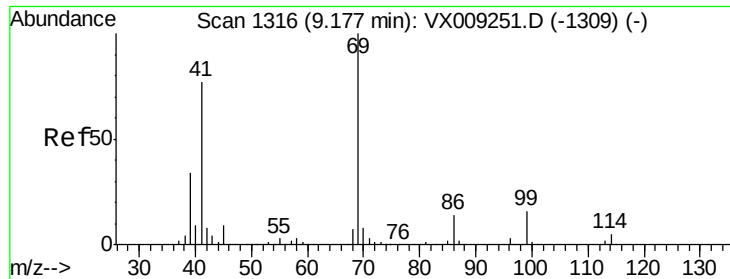
Tot Ion: 75 Resp: 63393
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0
 39 50.7 42.6 63.8



#50
 1,1,2-Trichloroethane
 Concen: 19.951 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 97 Resp: 38342
 Ion Ratio Lower Upper
 97 100
 83 86.3 68.8 103.2
 85 55.3 45.8 68.6
 99 60.4 50.0 75.0





#51

Ethyl methacrylate

Concen: 18.849 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

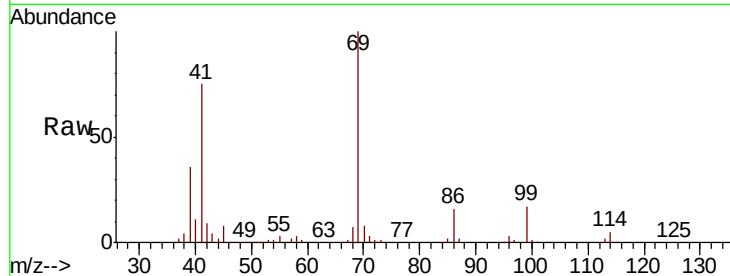
Tot Ion: 69 Resp: 66940

Ion Ratio Lower Upper

69 100

41 74.4 38.4 115.2

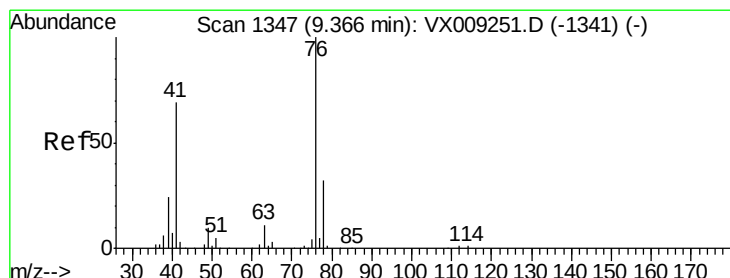
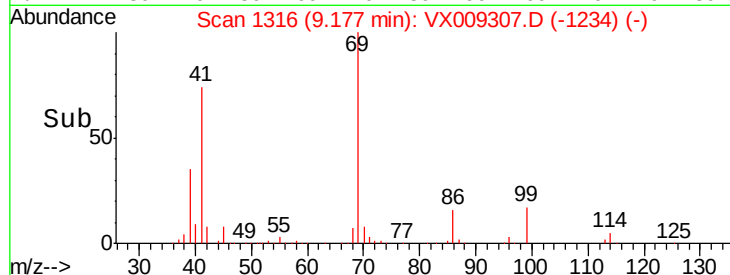
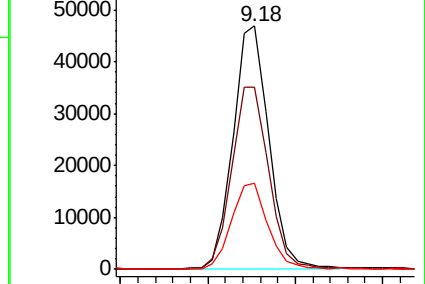
39 35.4 17.2 51.5



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: 19.562 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX009307.D

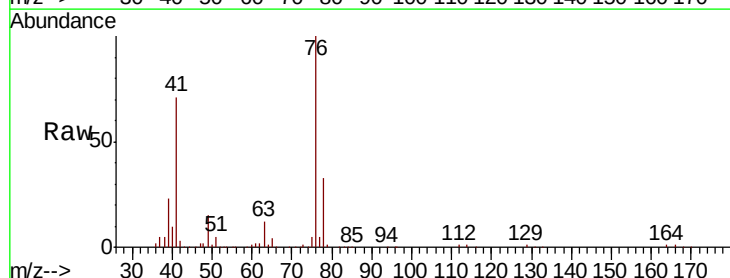
Acq: 03 May 2019 13:33

Tgt Ion: 76 Resp: 66720

Ion Ratio Lower Upper

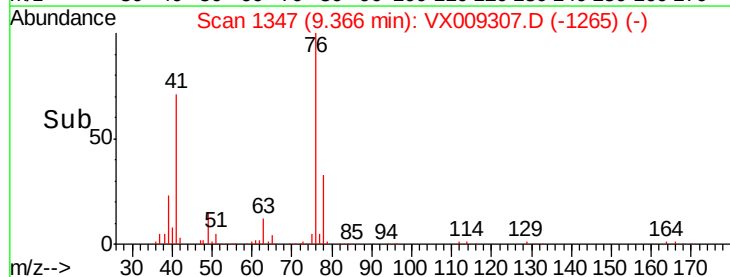
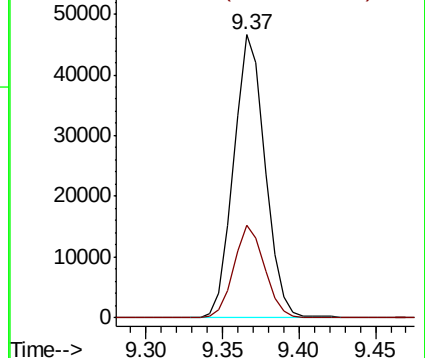
76 100

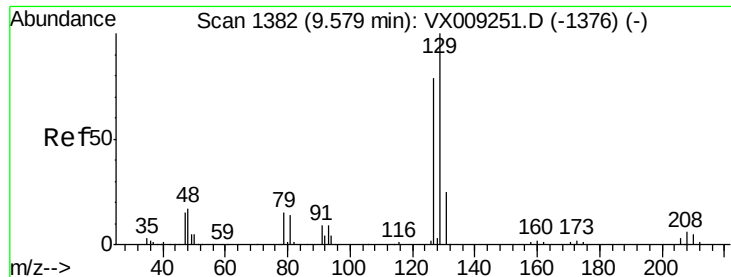
78 31.9 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.257 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

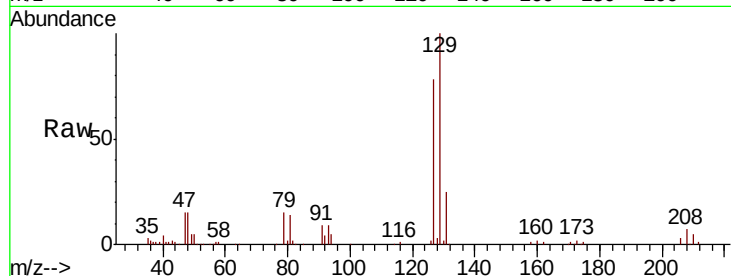
VSTDCCC020EC

Tot Ion:129 Resp: 36857

Ion Ratio Lower Upper

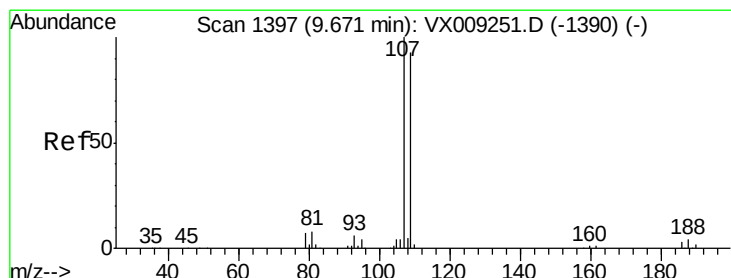
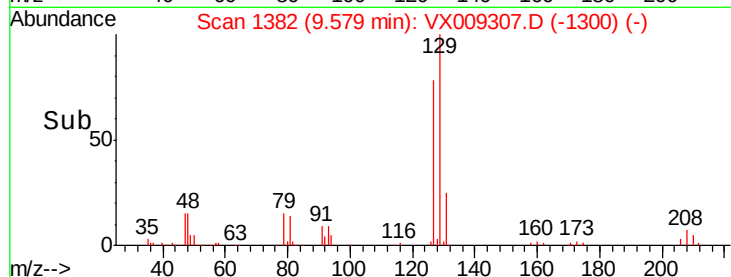
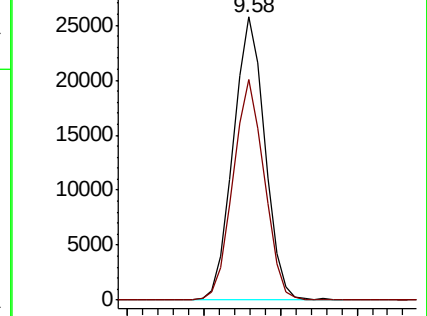
129 100

127 76.8 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.343 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009307.D

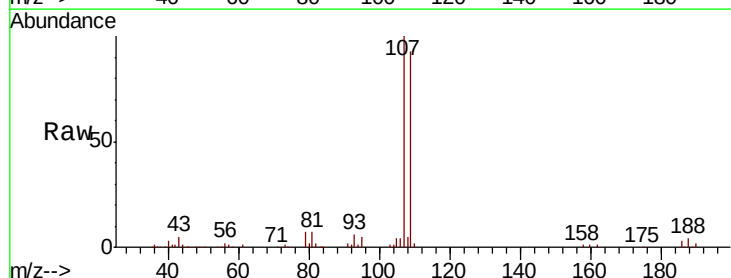
Acq: 03 May 2019 13:33

Tgt Ion:107 Resp: 38124

Ion Ratio Lower Upper

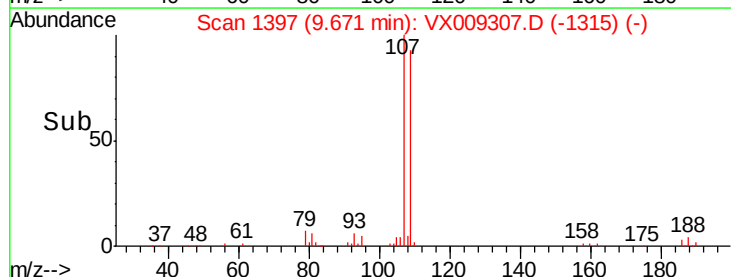
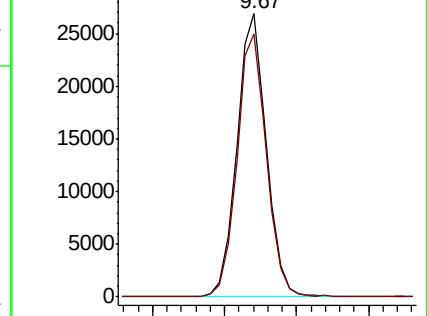
107 100

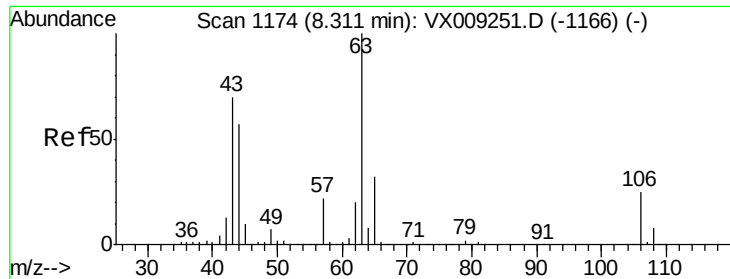
109 92.8 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

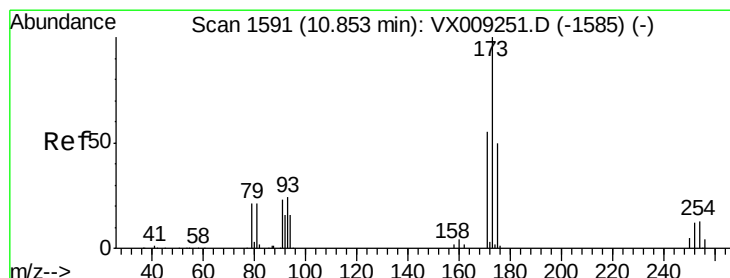
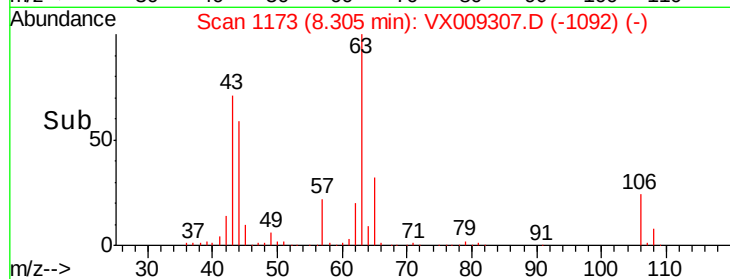
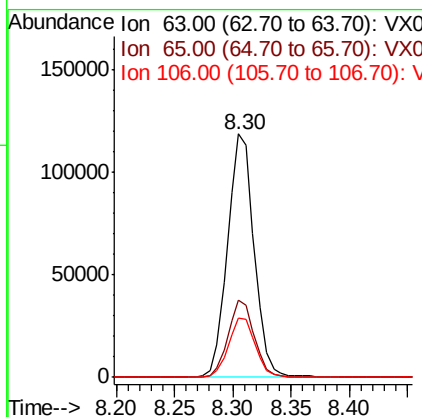
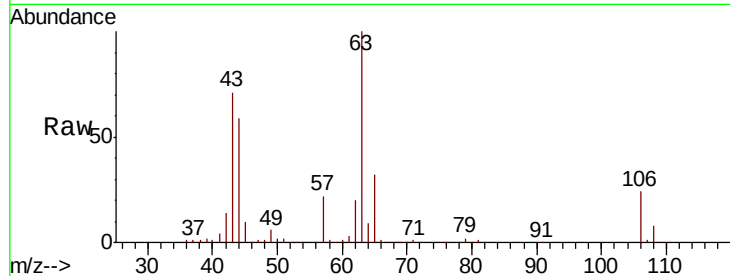




#55
2-Chloroethyl vinyl ether
Concen: 99.566 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

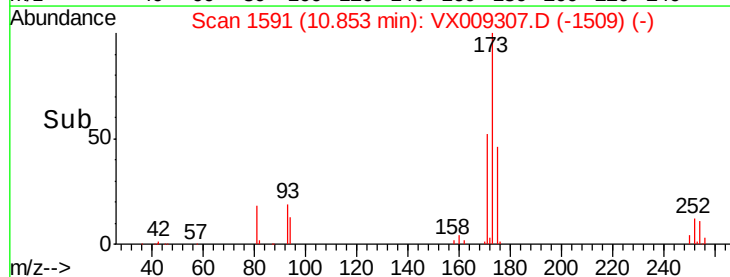
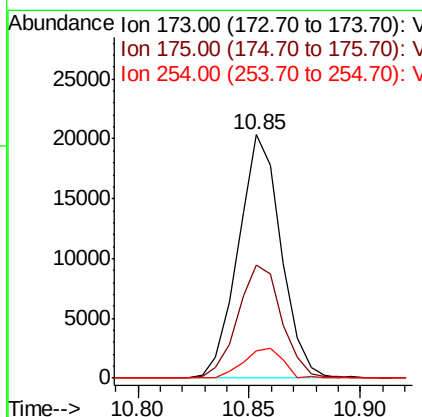
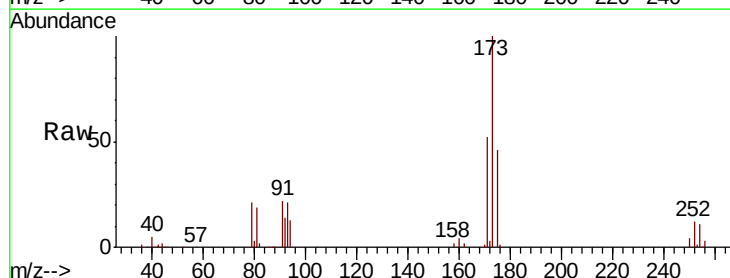
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

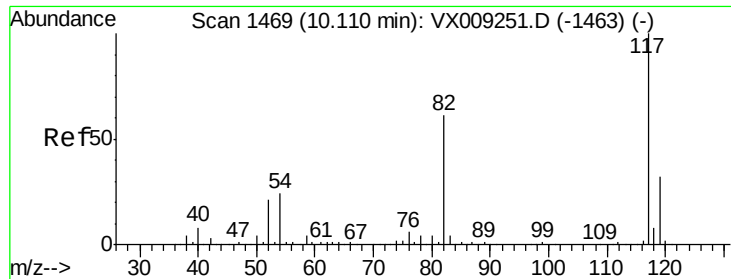
Tot Ion: 63 Resp: 188422
Ion Ratio Lower Upper
63 100
65 31.4 25.8 38.6
106 24.8 19.8 29.6



#56
Bromoform
Concen: 18.508 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 173 Resp: 27192
Ion Ratio Lower Upper
173 100
175 48.0 39.4 59.2
254 11.3 9.9 14.9

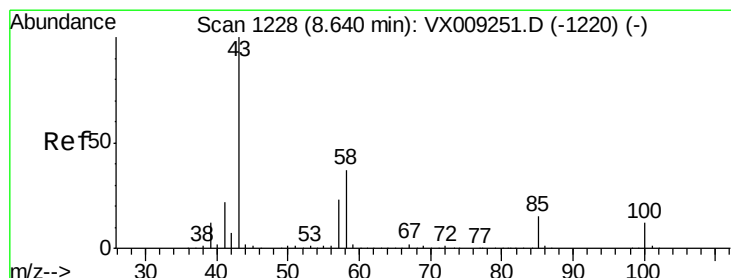
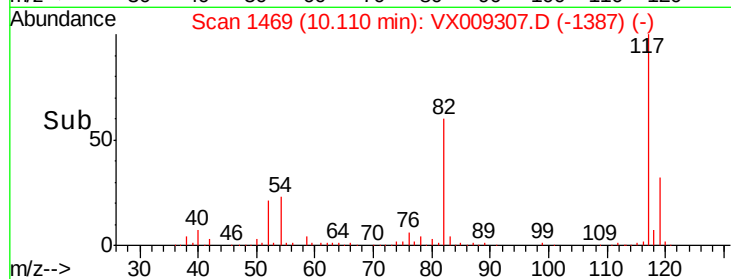
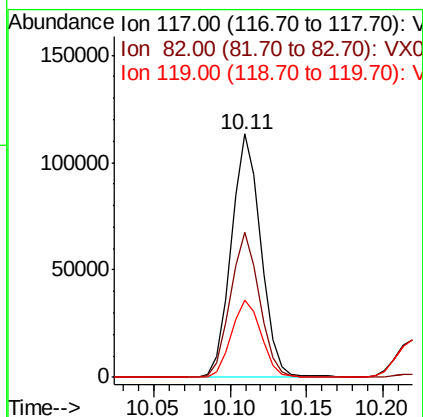
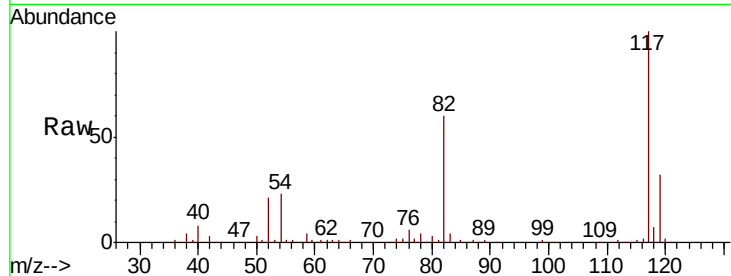




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

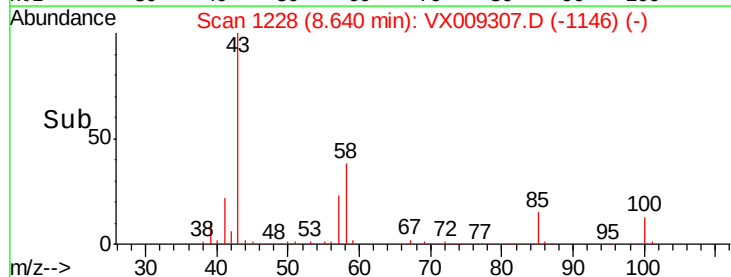
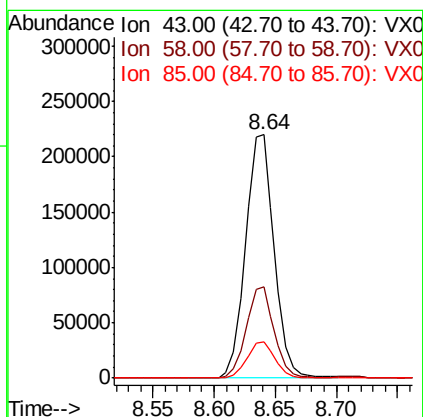
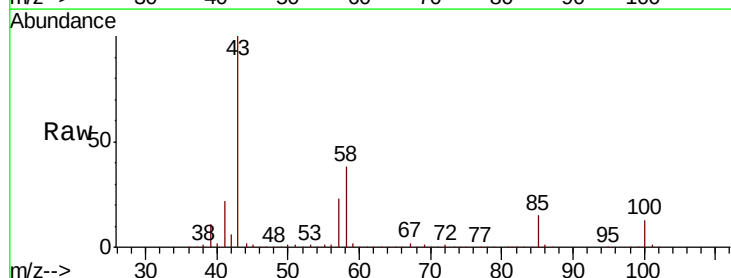
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

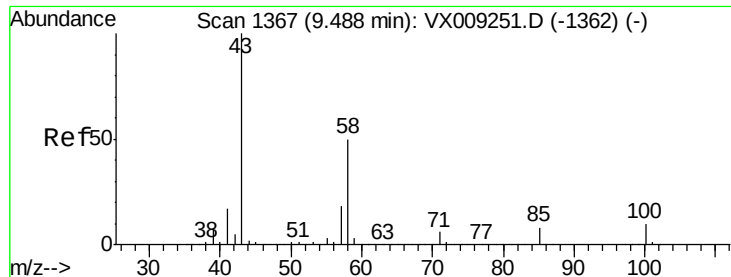
Tot Ion:117 Resp: 151609
Ion Ratio Lower Upper
117 100
82 58.8 47.8 71.8
119 32.0 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 96.057 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 43 Resp: 358088
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0
85 14.8 11.8 17.8

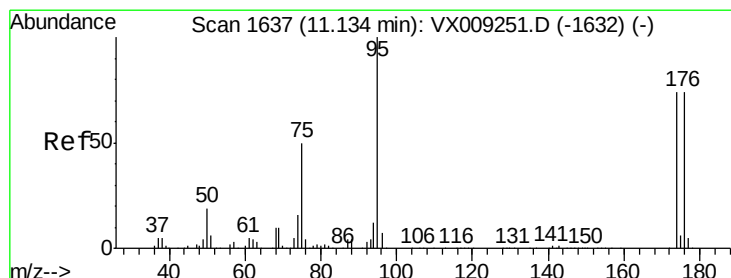
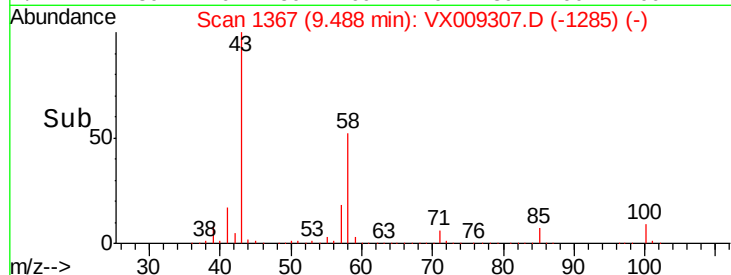
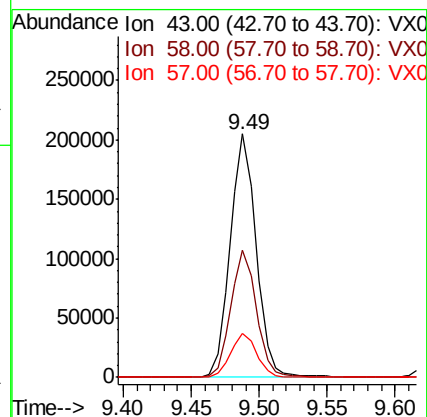
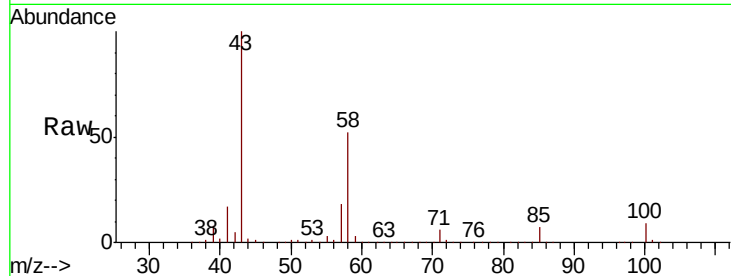




#59
2-Hexanone
Concen: 93.155 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

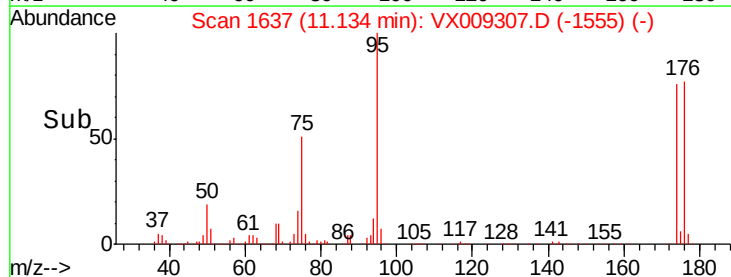
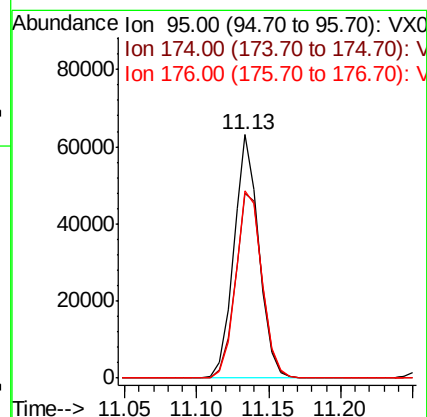
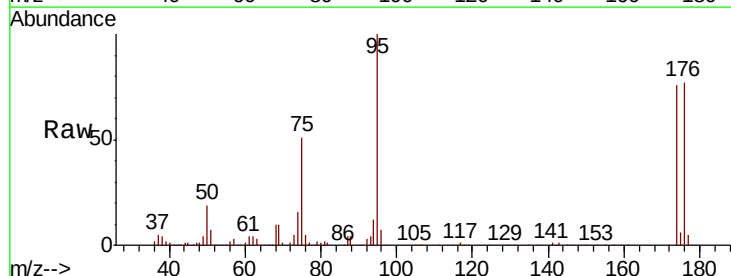
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

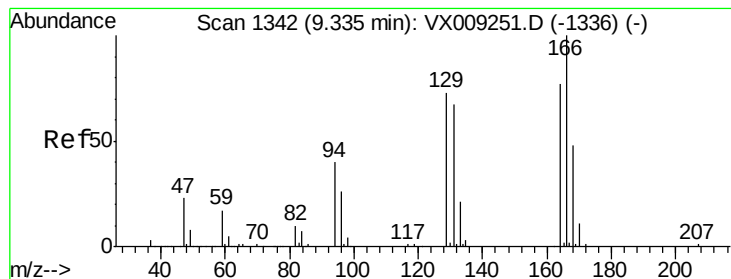
Tot Ion: 43 Resp: 272381
Ion Ratio Lower Upper
43 100
58 51.7 40.8 61.2
57 18.2 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.844 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 95 Resp: 76884
Ion Ratio Lower Upper
95 100
174 80.8 63.6 95.4
176 80.4 62.4 93.6





#61

Tetrachloroethene

Concen: 20.752 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 34683

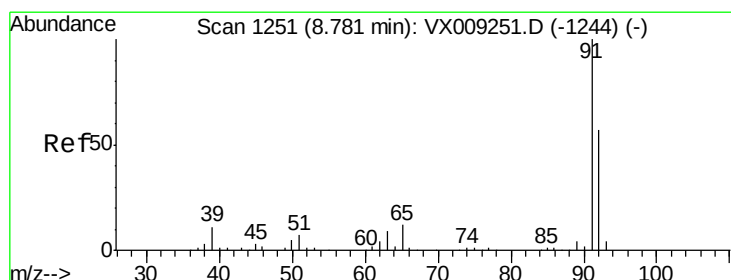
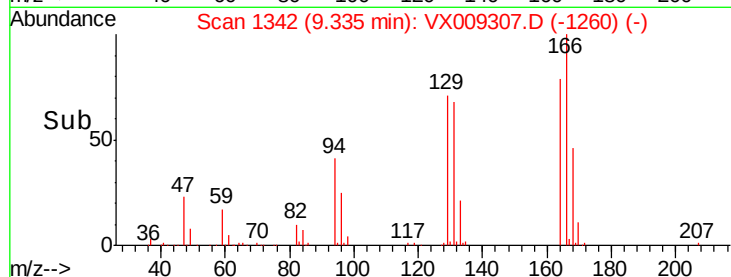
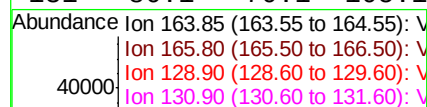
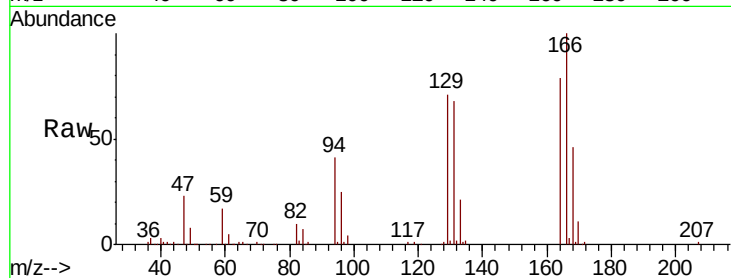
Ion Ratio Lower Upper

164 100

166 126.7 104.1 156.1

129 90.1 76.0 114.0

131 86.1 70.1 105.1



#62

Toluene

Concen: 20.065 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009307.D

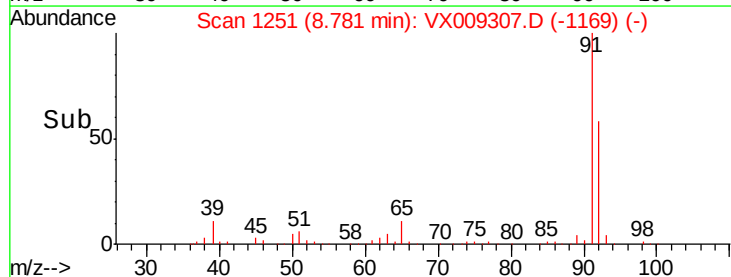
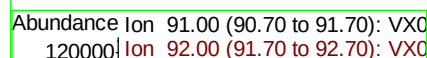
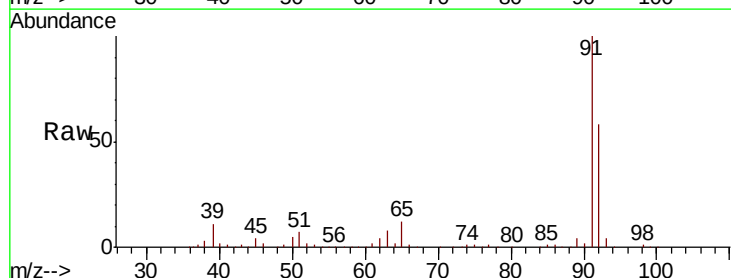
Acq: 03 May 2019 13:33

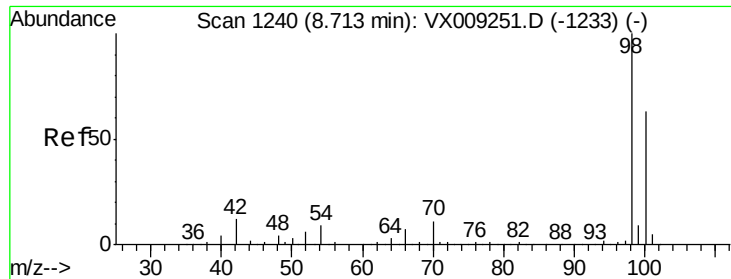
Tgt Ion: 91 Resp: 162554

Ion Ratio Lower Upper

91 100

92 57.0 46.1 69.1

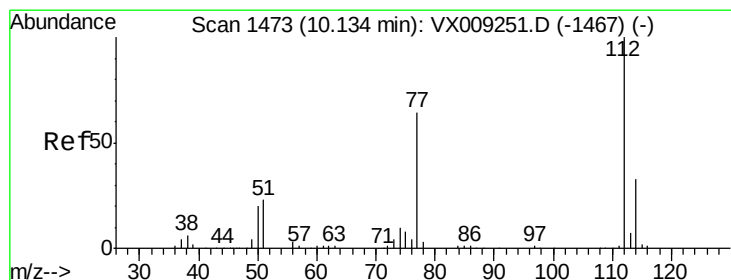
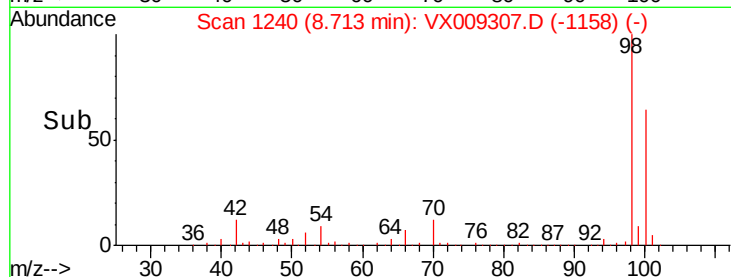
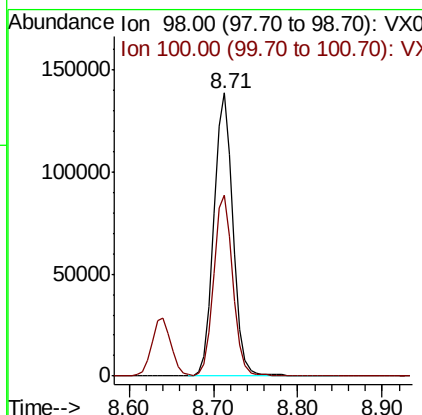
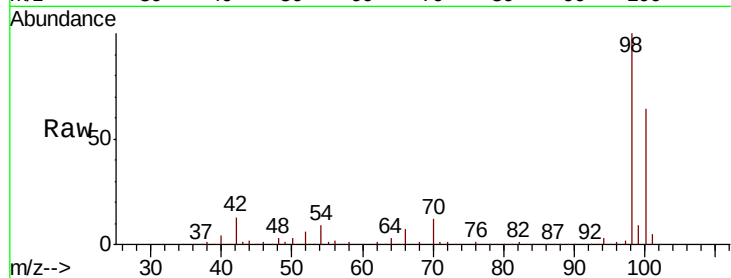




#63
Toluene-d8
Concen: 30.487 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

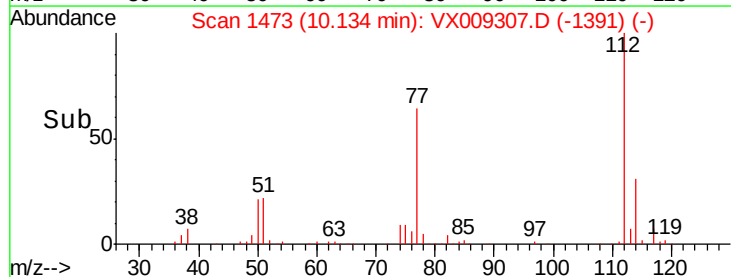
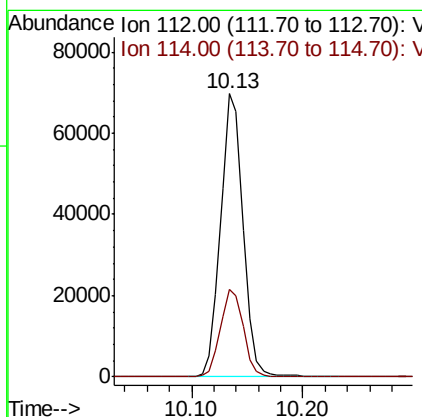
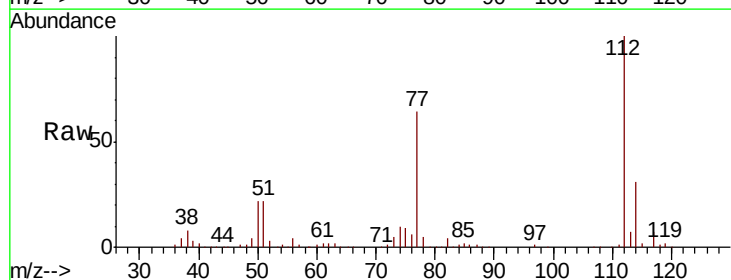
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

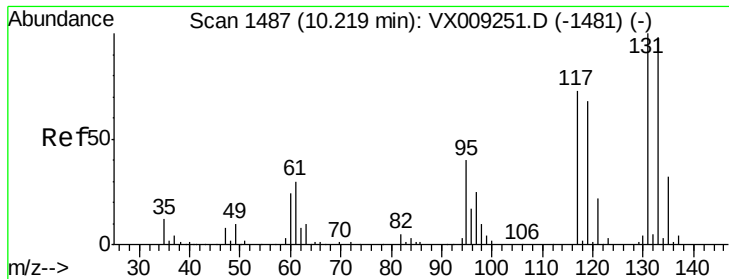
Tot Ion: 98 Resp: 219138
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#64
Chlorobenzene
Concen: 20.022 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion: 112 Resp: 97619
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

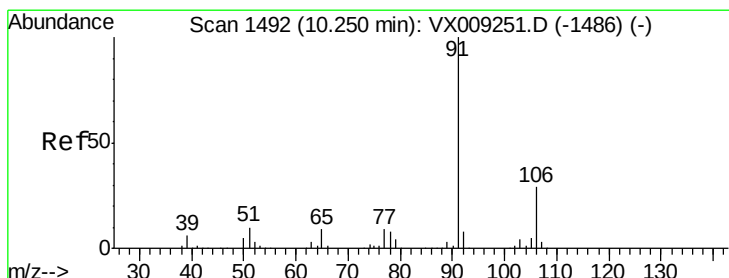
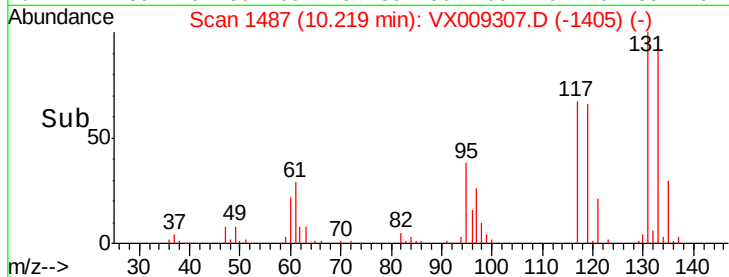
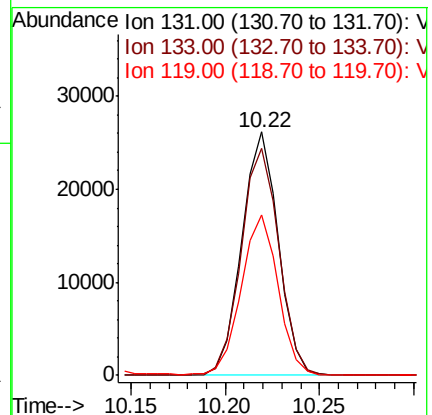
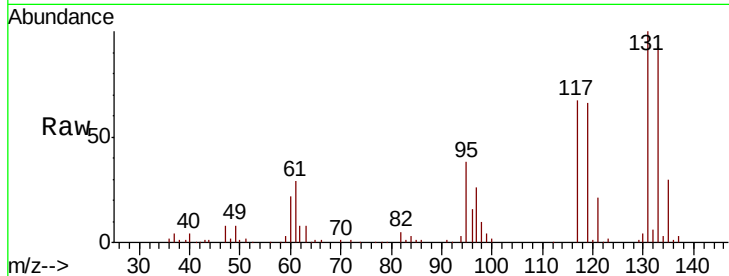
Tot Ion:131 Resp: 35159

Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.2

119 66.4 0.0 135.4



#66

Ethyl Benzene

Concen: 19.882 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009307.D

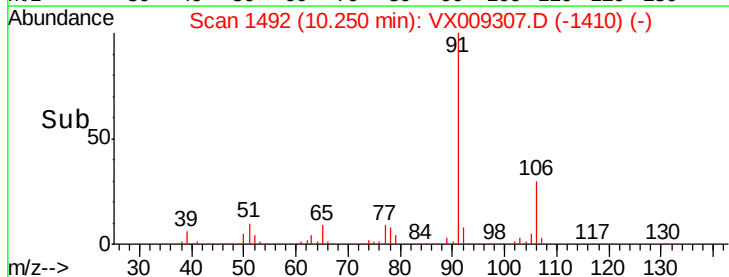
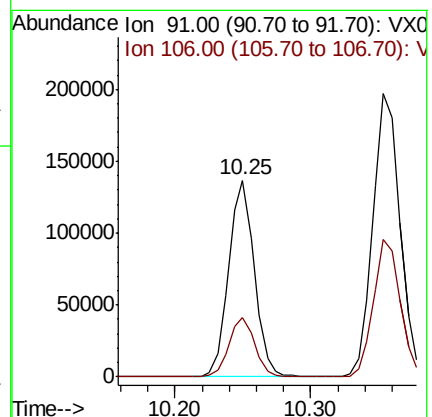
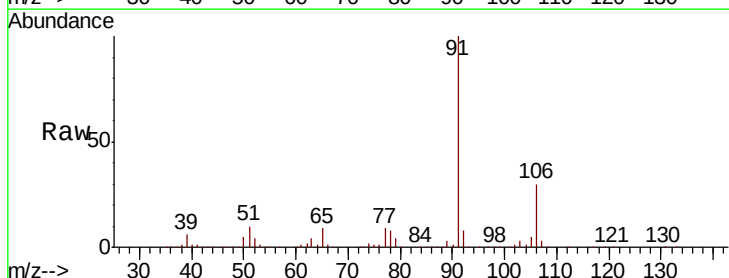
Acq: 03 May 2019 13:33

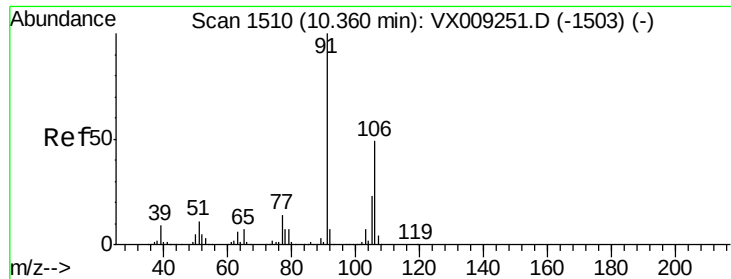
Tgt Ion: 91 Resp: 179436

Ion Ratio Lower Upper

91 100

106 30.5 23.5 35.3

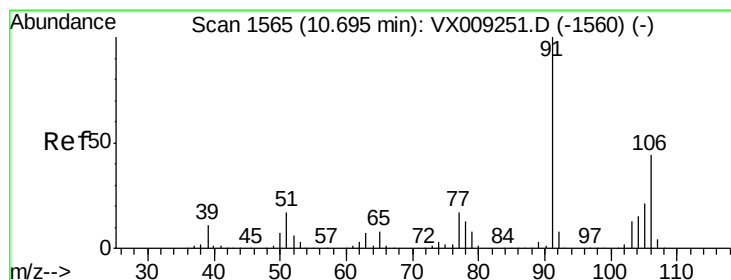
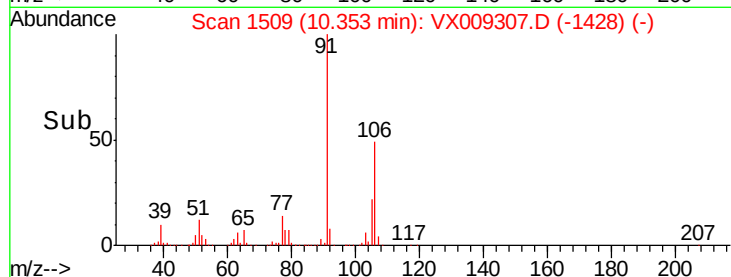
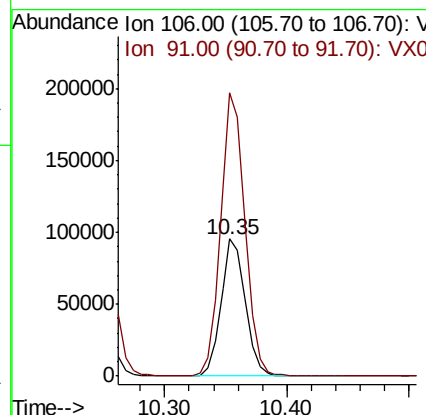
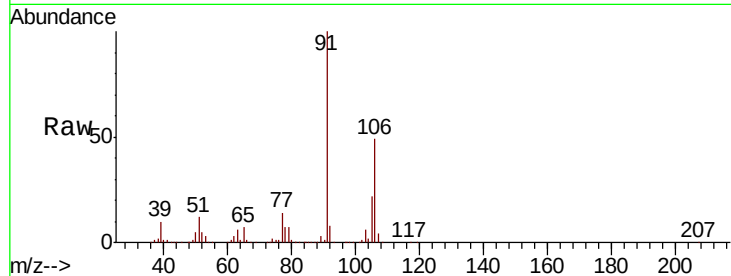




#67
m/p-Xylenes
Concen: 40.011 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

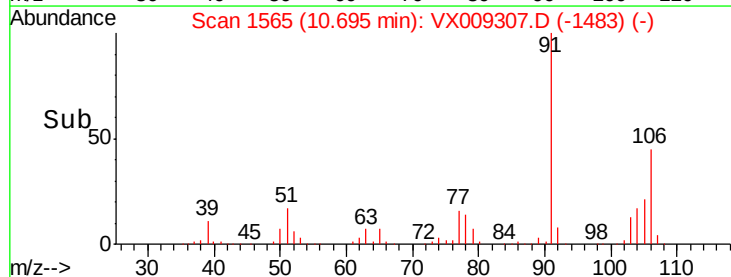
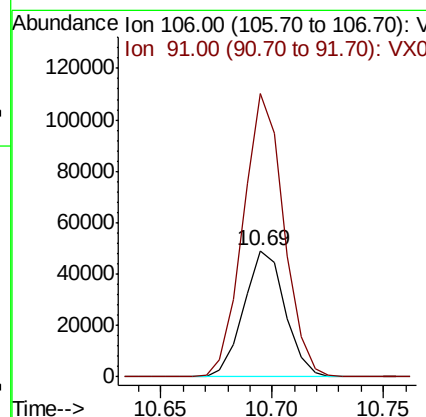
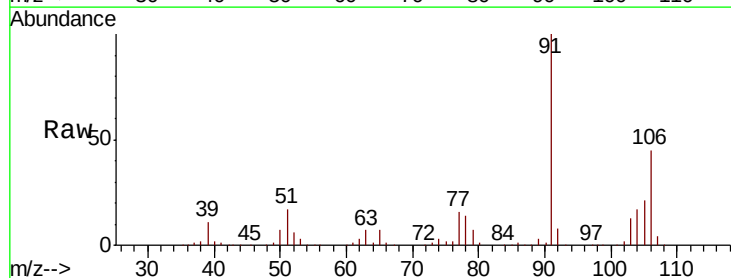
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

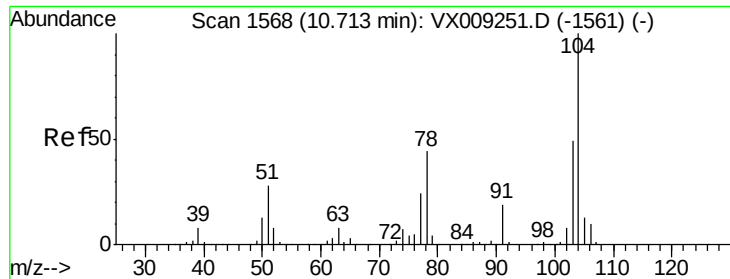
Tot Ion:106 Resp: 131840
Ion Ratio Lower Upper
106 100
91 206.9 166.8 250.2



#68
o-Xylene
Concen: 19.833 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion:106 Resp: 64258
Ion Ratio Lower Upper
106 100
91 220.3 110.8 332.3





#69

Stvrene

Concen: 19.784 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

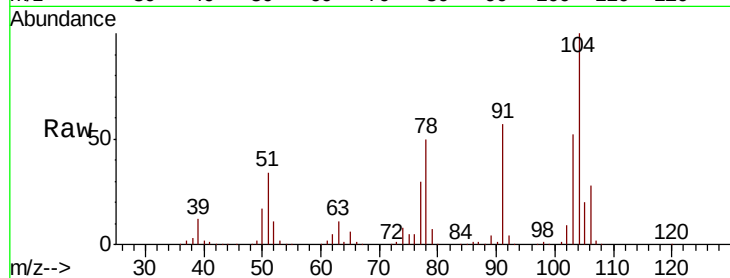
Tot Ion:104 Resp: 112526

Ion Ratio Lower Upper

104 100

78 52.2 41.1 61.7

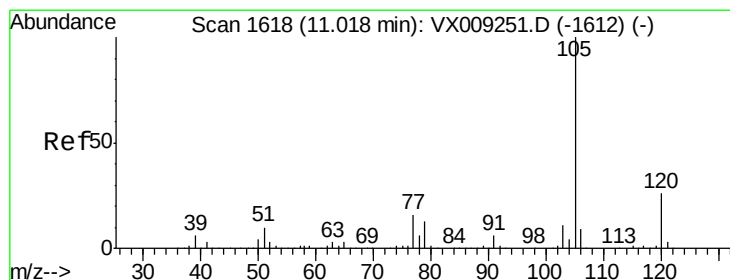
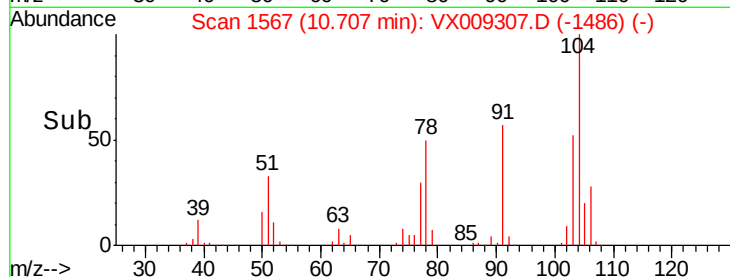
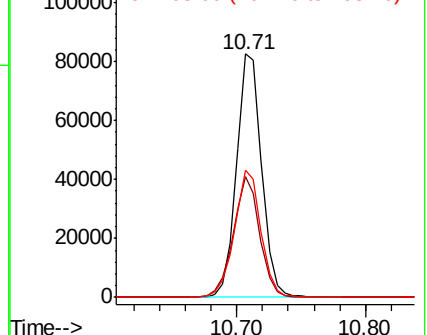
103 55.3 43.8 65.8



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: 20.189 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009307.D

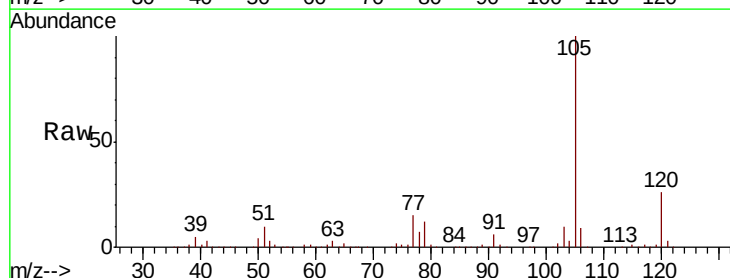
Acq: 03 May 2019 13:33

Tgt Ion:105 Resp: 175922

Ion Ratio Lower Upper

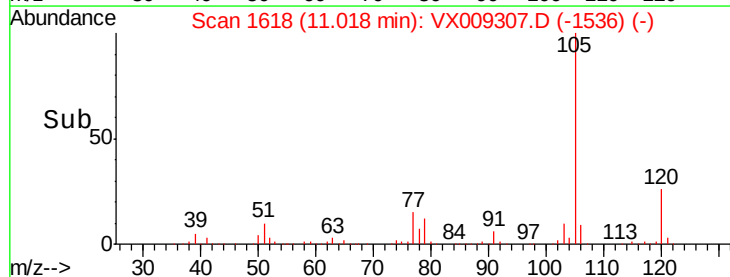
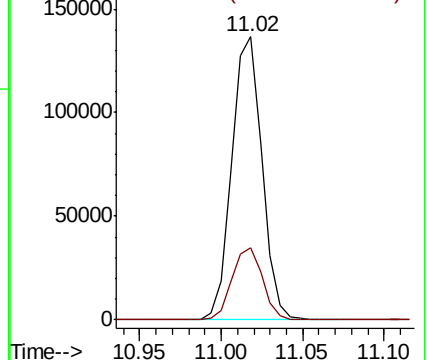
105 100

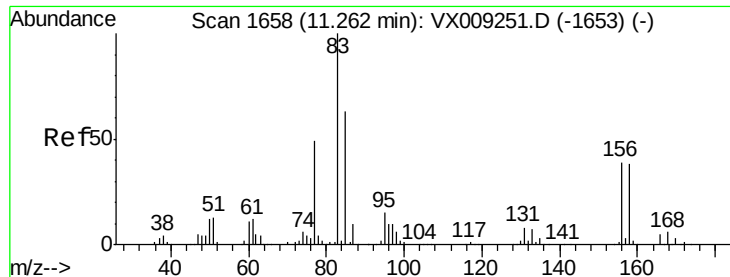
120 25.9 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

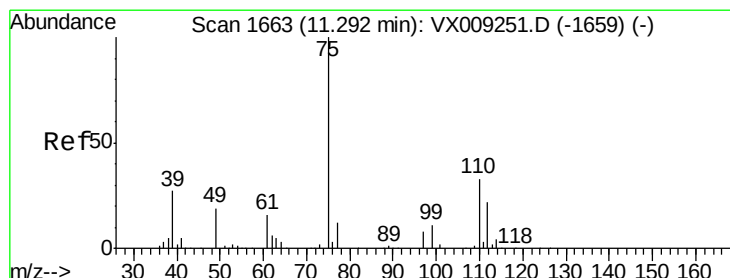
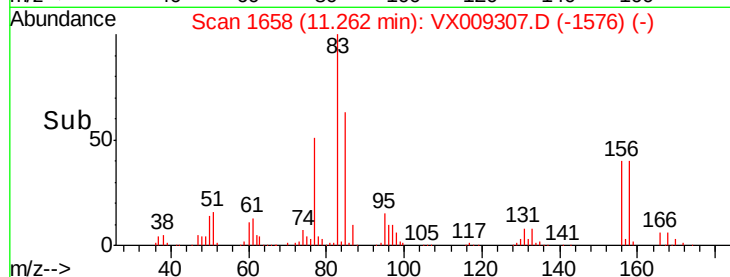
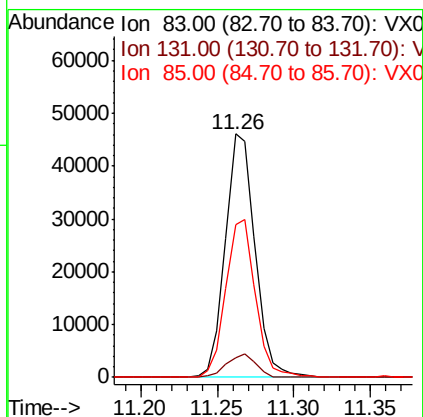
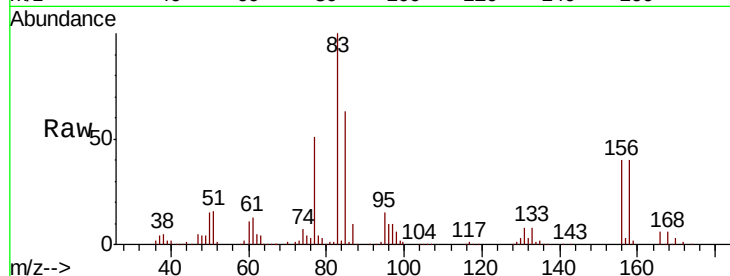




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.420 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

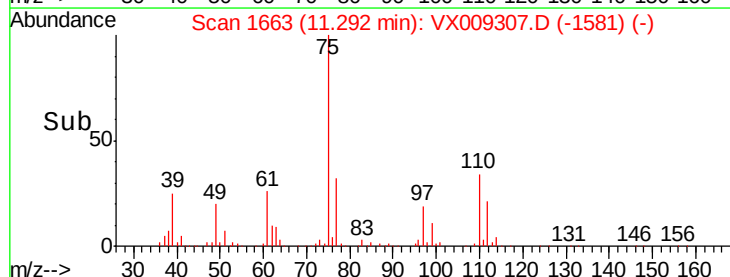
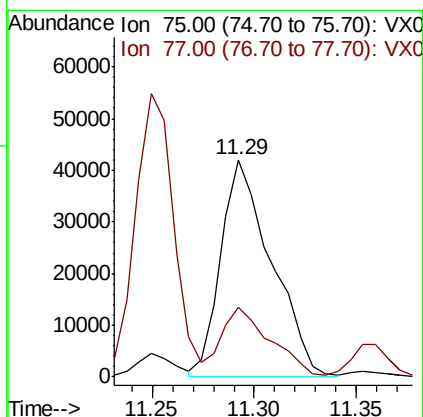
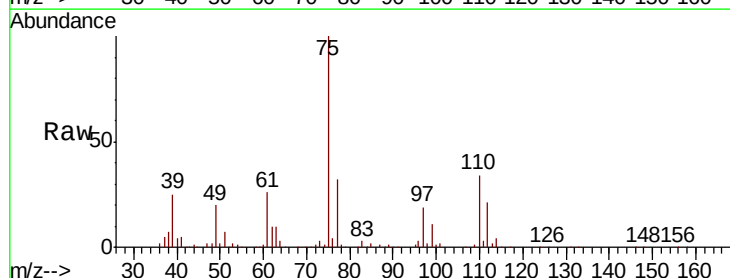
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

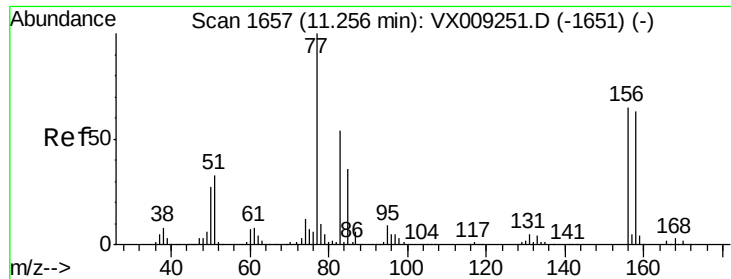
Tot Ion: 83 Resp: 61972
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 64.9 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.282 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 75 Resp: 72277
 Ion Ratio Lower Upper
 75 100
 77 31.3 0.0 86.4





#73

Bromobenzene

Concen: 19.911 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

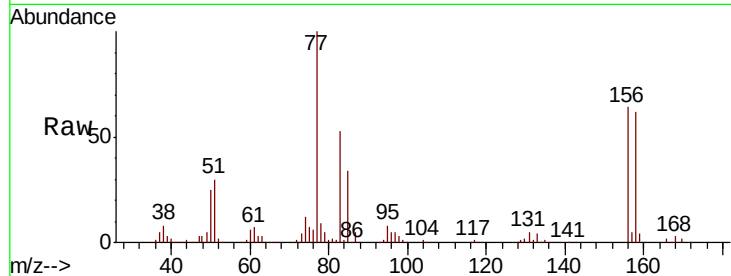
Tot Ion:156 Resp: 42866

Ion Ratio Lower Upper

156 100

77 166.5 0.0 335.6

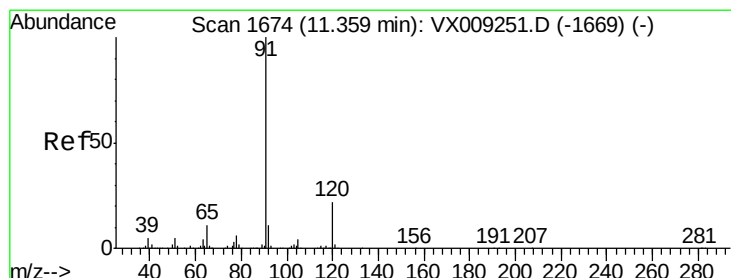
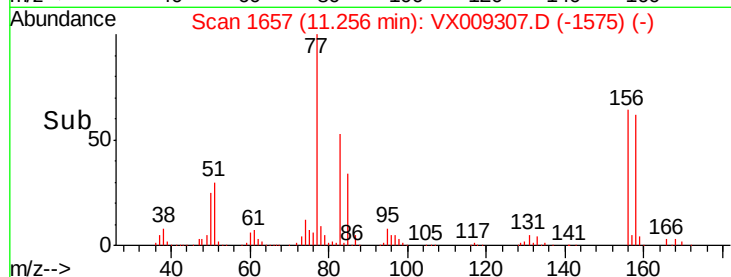
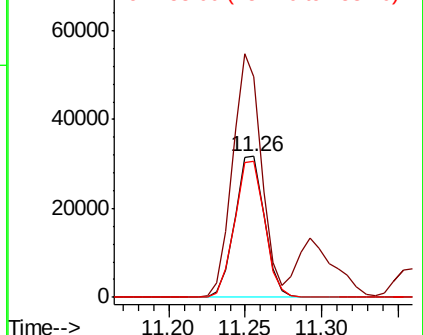
158 97.1 0.0 191.2



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: 20.195 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009307.D

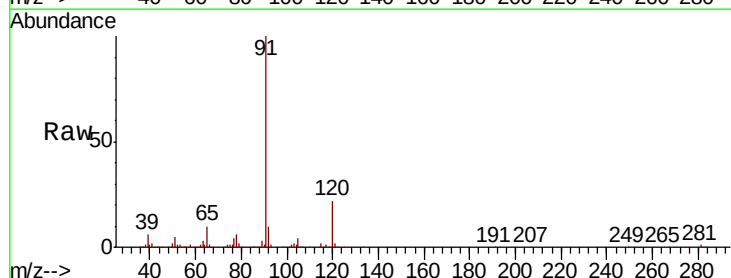
Acq: 03 May 2019 13:33

Tgt Ion: 91 Resp: 203920

Ion Ratio Lower Upper

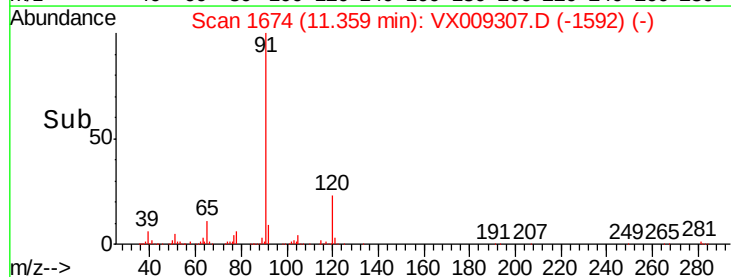
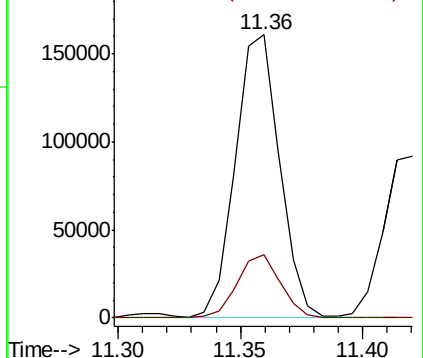
91 100

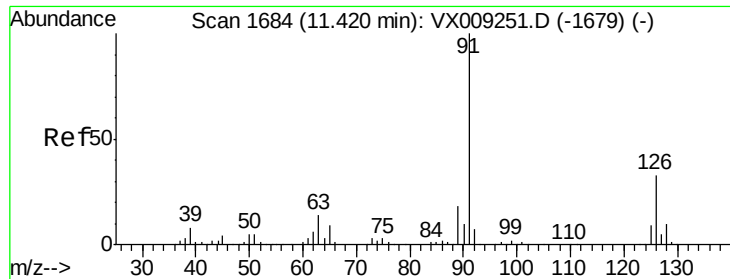
120 21.8 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.045 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

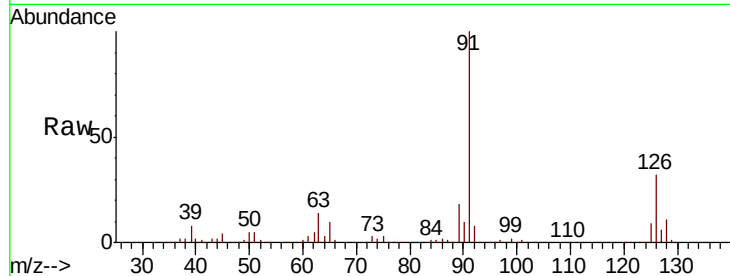
VSTDCCC020EC

Tot Ion: 91 Resp: 121402

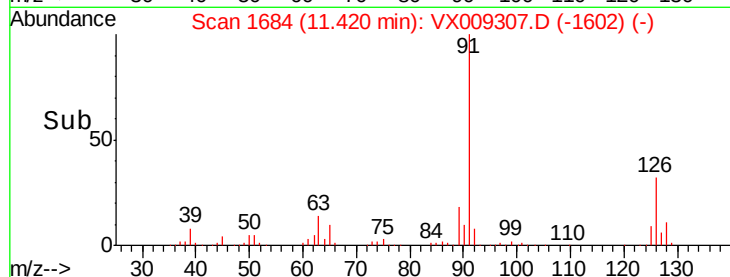
Ion Ratio Lower Upper

91 100

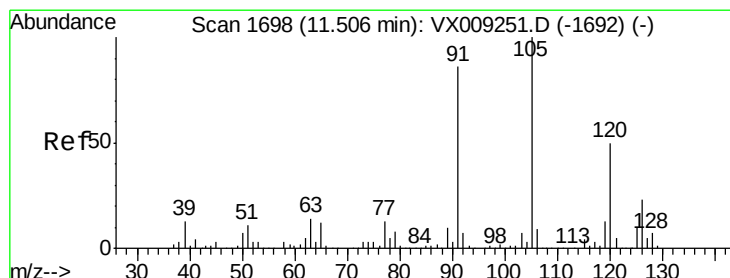
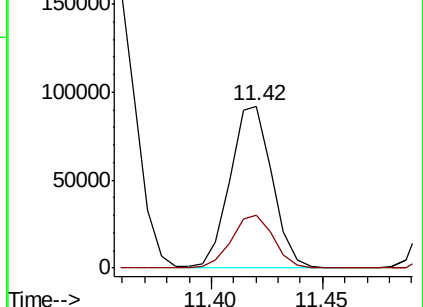
126 32.4 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX009307.D (-1602) (-)



Ion 126.00 (125.70 to 126.70): VX009307.D (-1602) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.222 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009307.D

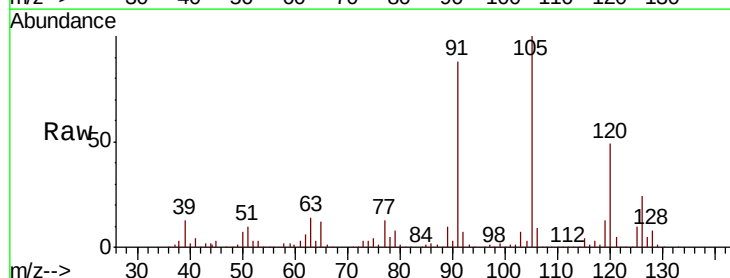
Acq: 03 May 2019 13:33

Tgt Ion:105 Resp: 149261

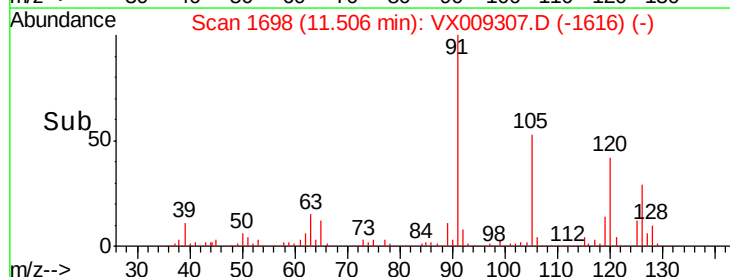
Ion Ratio Lower Upper

105 100

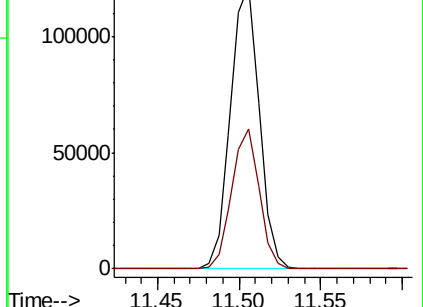
120 47.6 0.0 97.4

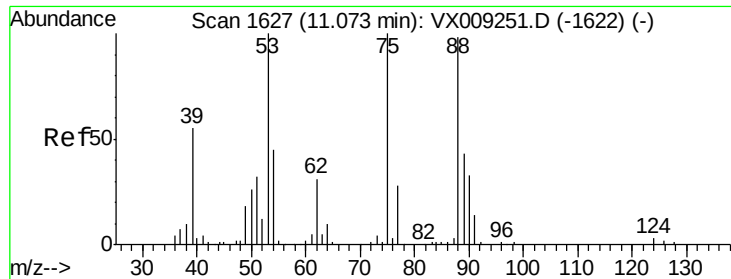


Abundance Ion 105.00 (104.70 to 105.70): VX009307.D (-1616) (-)



Ion 120.00 (119.70 to 120.70): VX009307.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.612 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

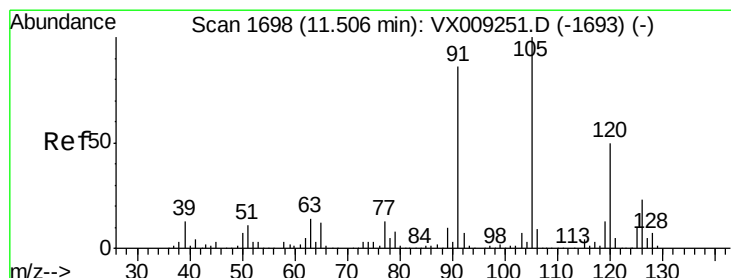
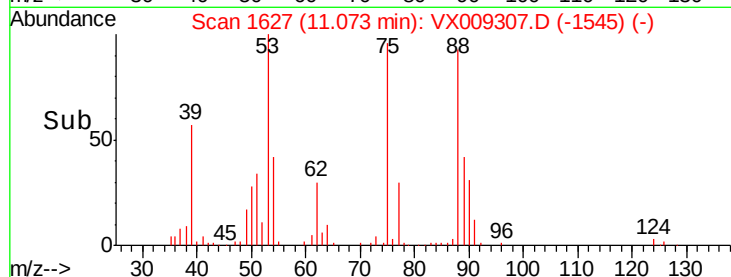
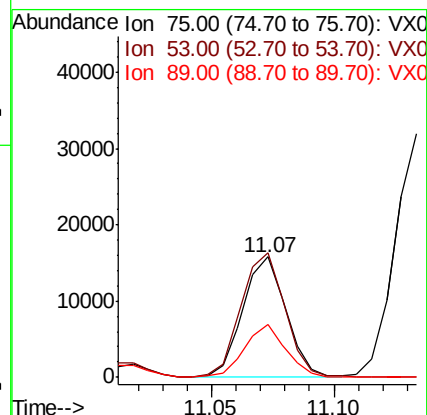
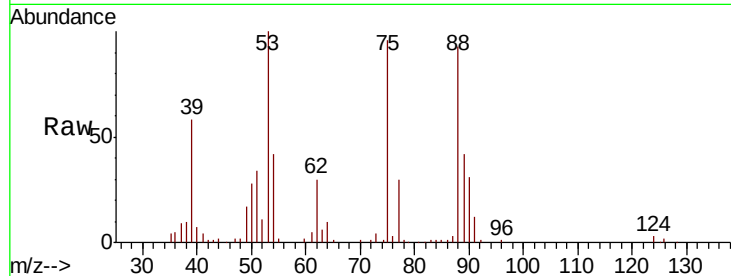
Tot Ion: 75 Resp: 19536

Ion Ratio Lower Upper

75 100

53 103.5 50.0 149.8

89 43.3 21.6 65.0



#78

4-Chlorotoluene

Concen: 20.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009307.D

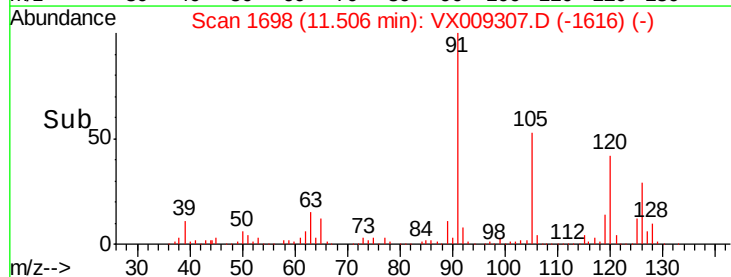
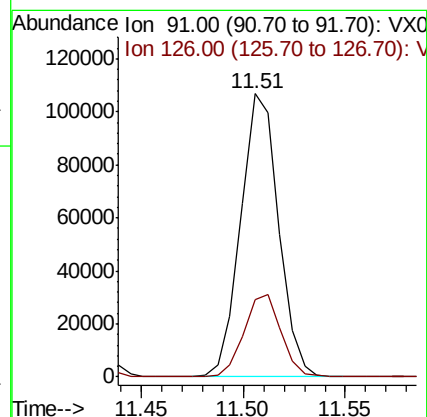
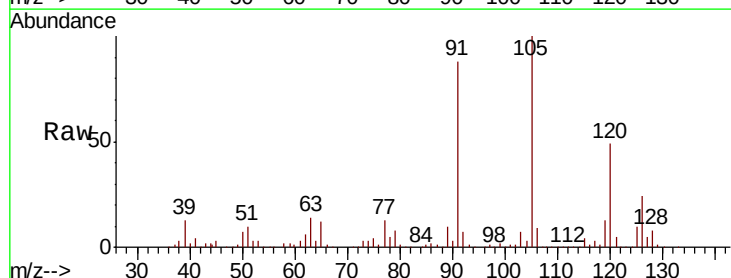
Acq: 03 May 2019 13:33

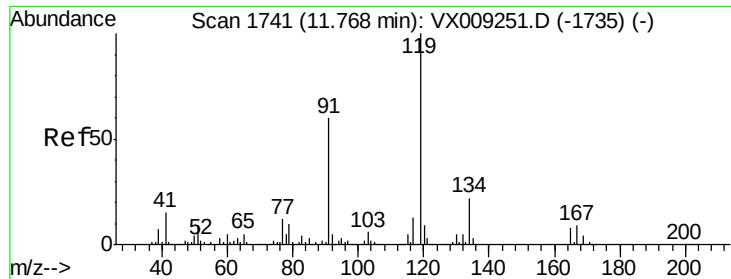
Tgt Ion: 91 Resp: 138006

Ion Ratio Lower Upper

91 100

126 28.5 0.0 57.0

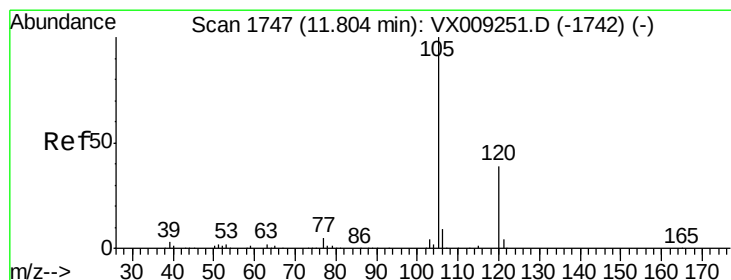
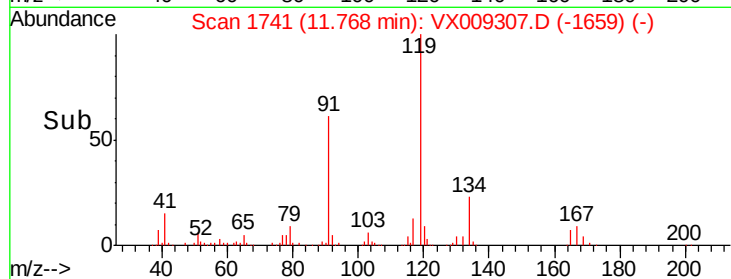
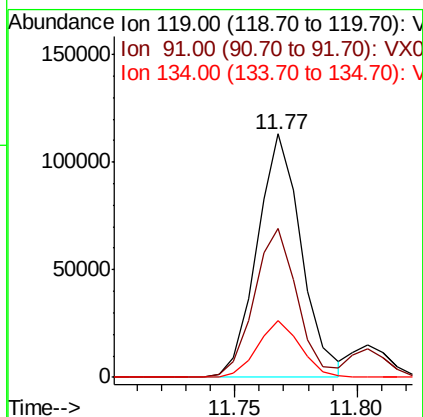
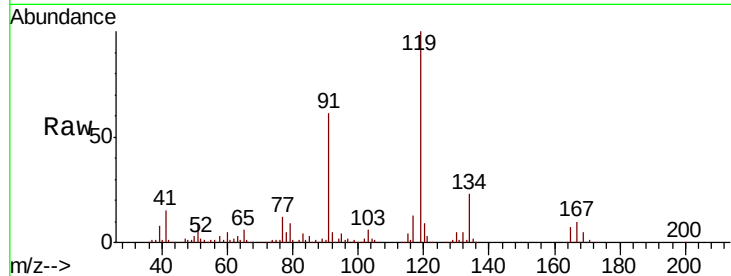




#79
tert-butylbenzene
Concen: 20.037 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

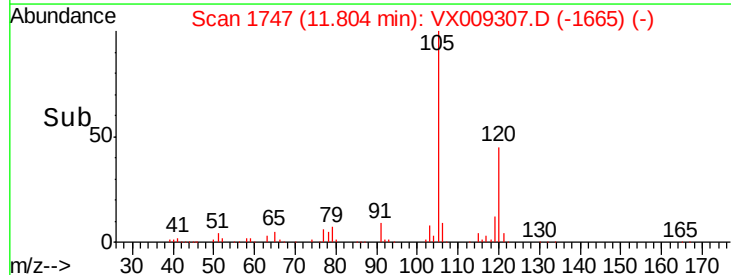
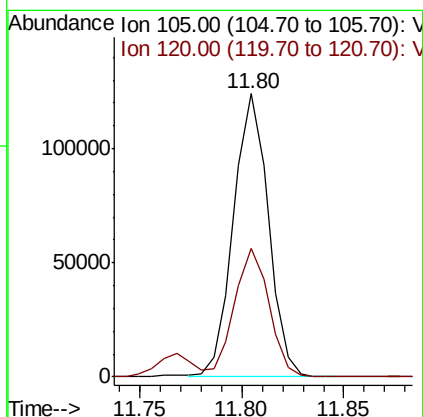
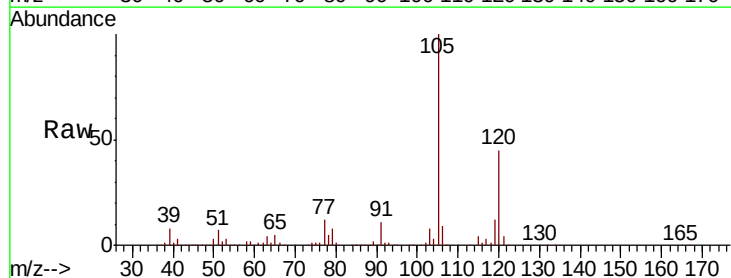
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

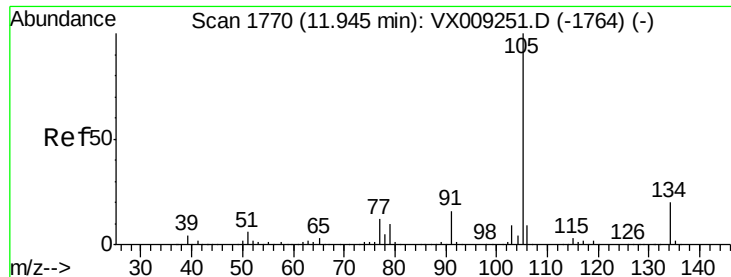
Tot Ion:119 Resp: 142970
Ion Ratio Lower Upper
119 100
91 60.0 0.0 118.2
134 22.5 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 19.912 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion:105 Resp: 147305
Ion Ratio Lower Upper
105 100
120 45.2 0.0 89.6





#81

sec-Butylbenzene

Concen: 20.296 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

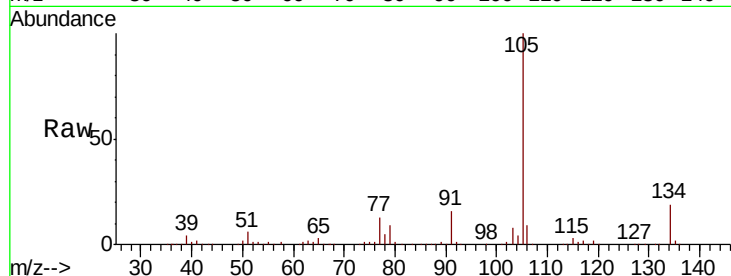
VSTDCCC020EC

Tot Ion:105 Resp: 172061

Ion Ratio Lower Upper

105 100

134 19.4 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

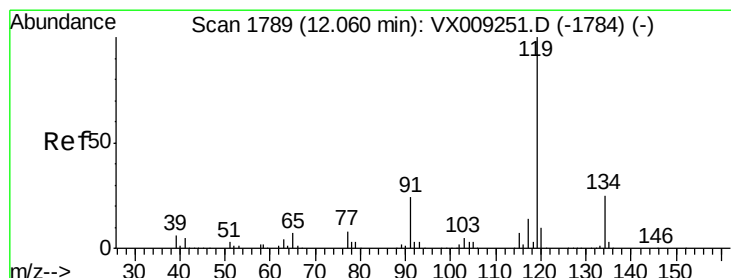
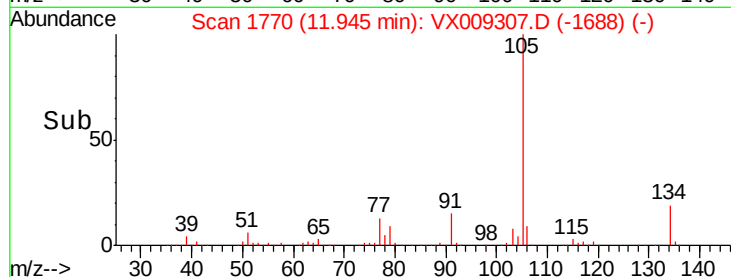
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.200 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

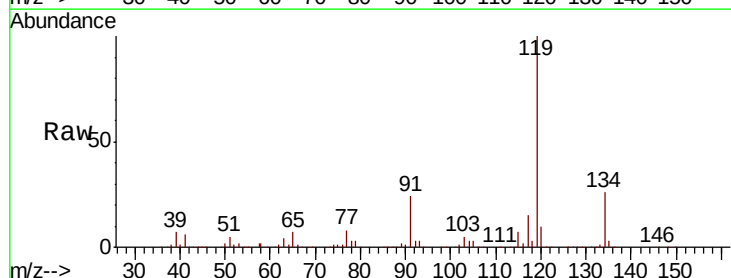
Tgt Ion:119 Resp: 155771

Ion Ratio Lower Upper

119 100

134 25.9 0.0 50.8

91 23.8 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

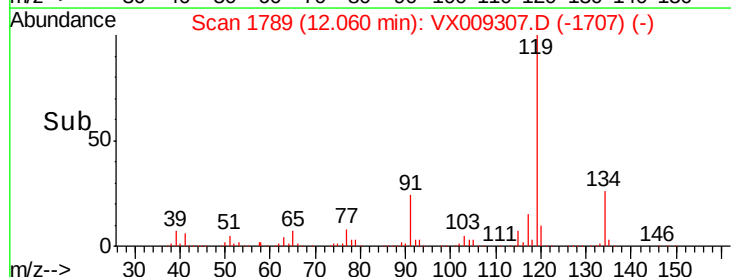
150000

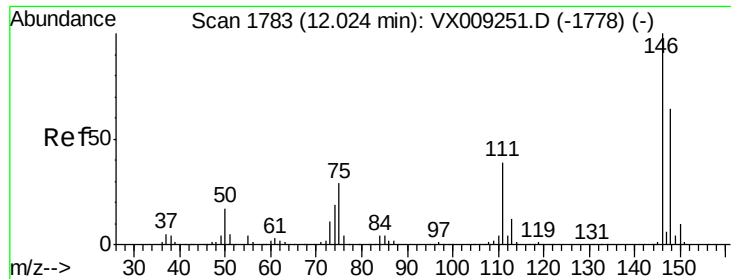
100000

50000

0

Time-->

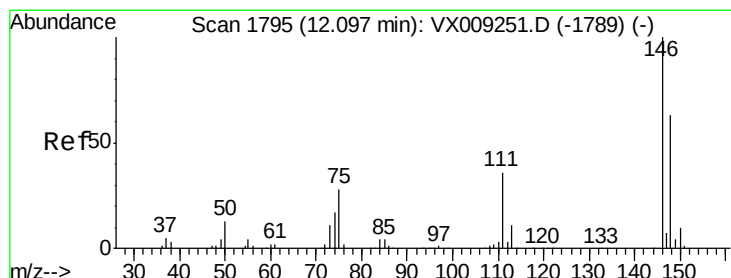
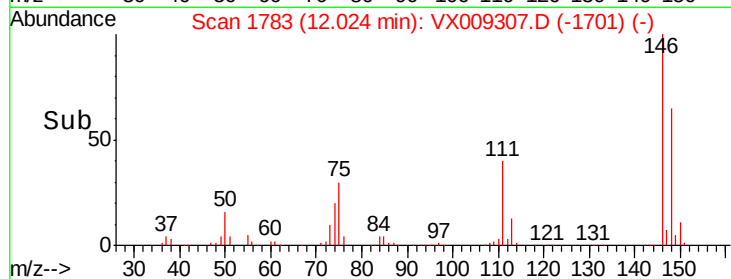
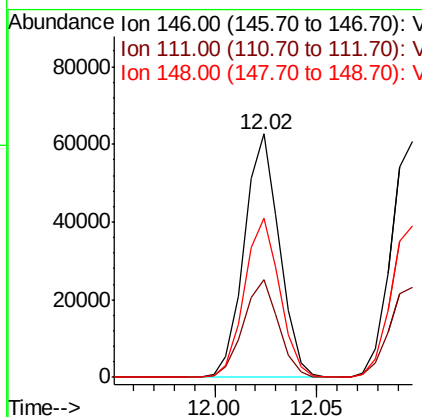
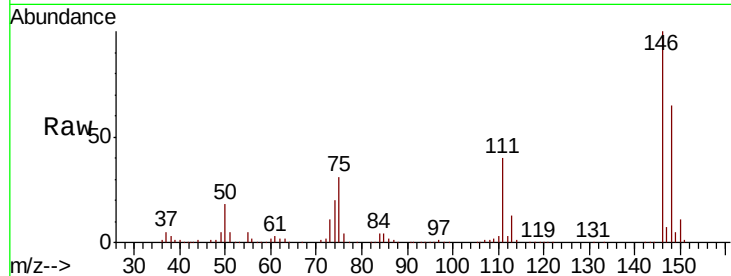




#83
 1,3-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

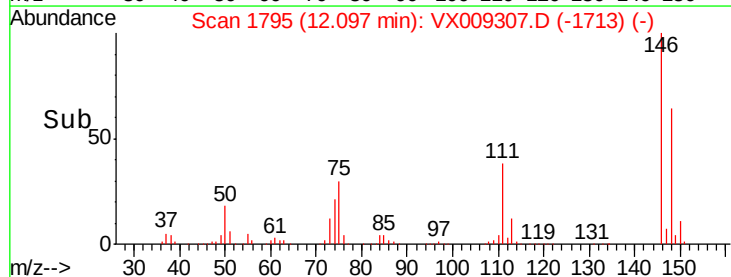
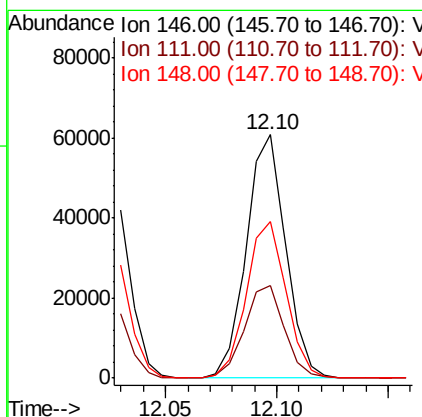
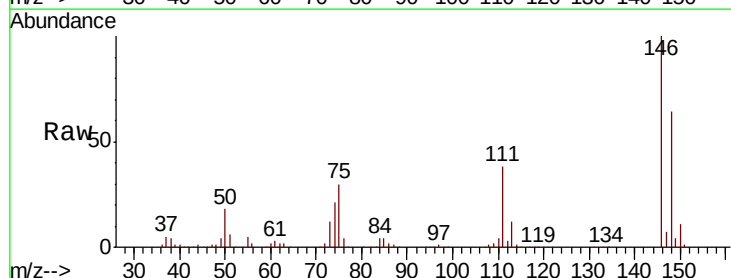
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

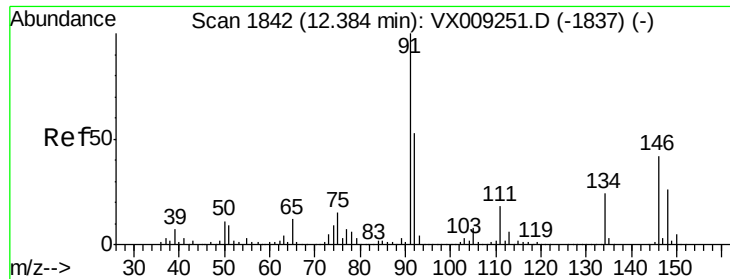
Tot Ion:146 Resp: 75165
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 65.5 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion:146 Resp: 75205
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 65.0 32.3 96.8





#85

n-Butylbenzene

Concen: 19.622 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009307.D

Acq: 03 May 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

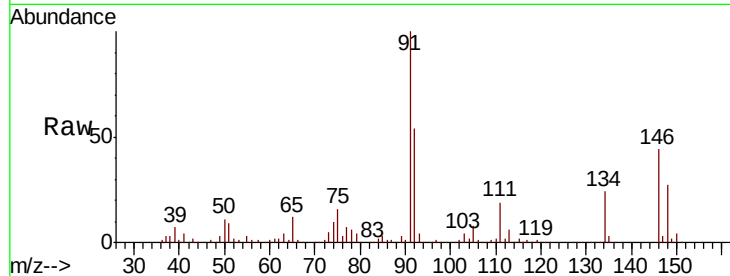
Tot Ion: 91 Resp: 138460

Ion Ratio Lower Upper

91 100

92 53.5 0.0 106.6

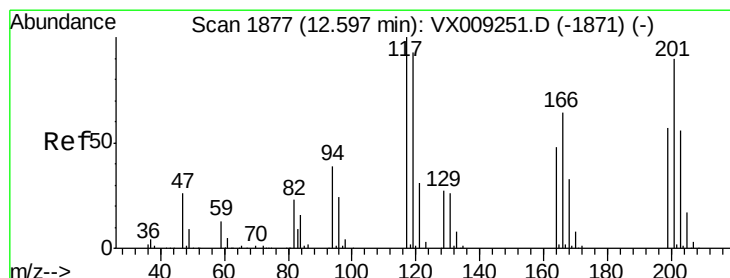
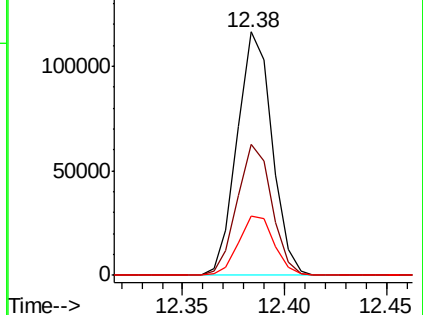
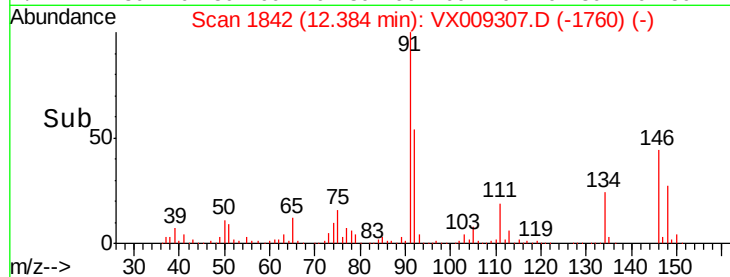
134 24.8 0.0 50.0



Abundance Ion 91.00 (90.70 to 91.70): VX009307.D (-1760) (-)

Ion 92.00 (91.70 to 92.70): VX009307.D (-1760) (-)

Ion 134.00 (133.70 to 134.70): VX009307.D (-1760) (-)



#86

Hexachloroethane

Concen: 18.877 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009307.D

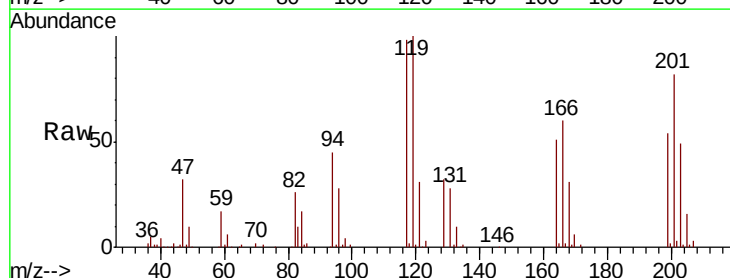
Acq: 03 May 2019 13:33

Tgt Ion: 117 Resp: 24771

Ion Ratio Lower Upper

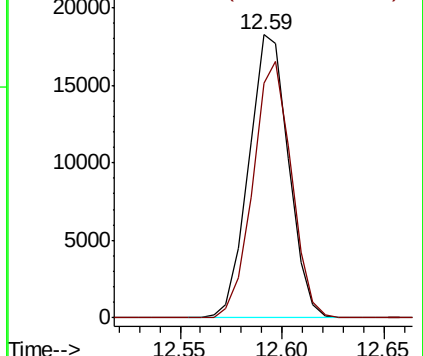
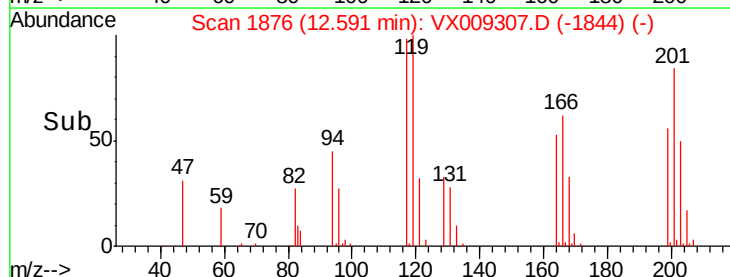
117 100

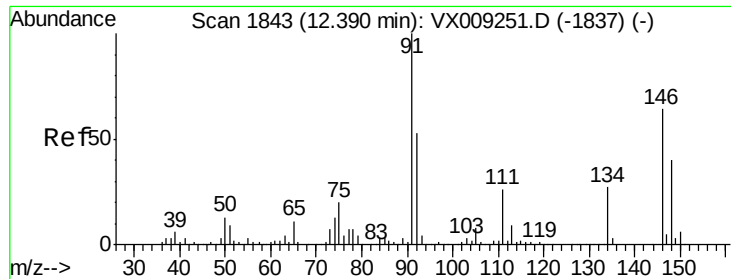
201 87.5 41.8 125.4



Abundance Ion 117.00 (116.70 to 117.70): VX009307.D (-1844) (-)

Ion 201.00 (200.70 to 201.70): VX009307.D (-1844) (-)

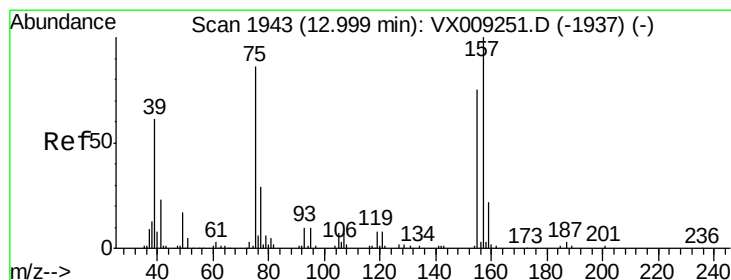
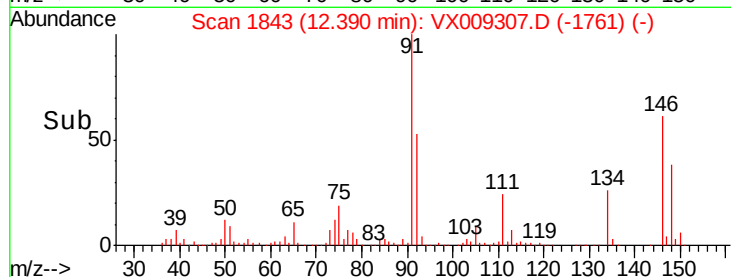
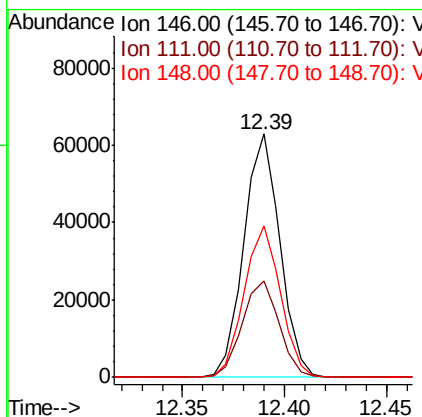
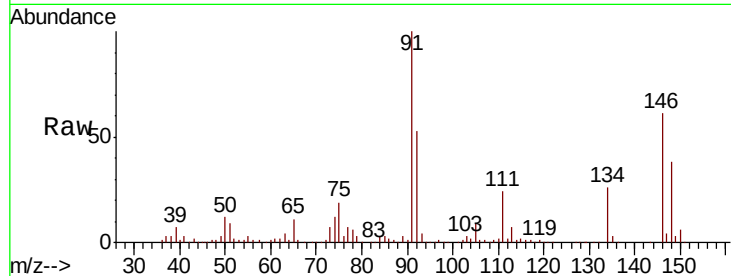




#87
 1,2-Dichlorobenzene
 Concen: 20.042 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

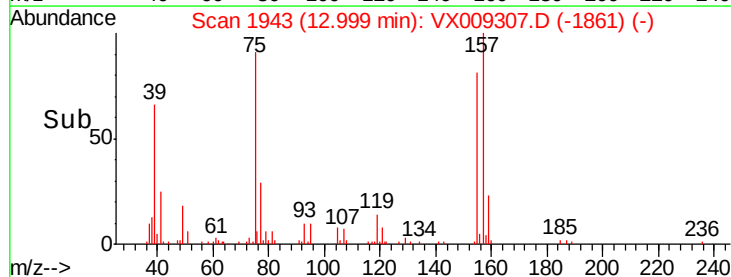
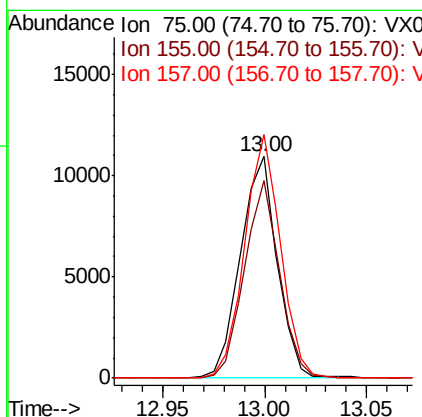
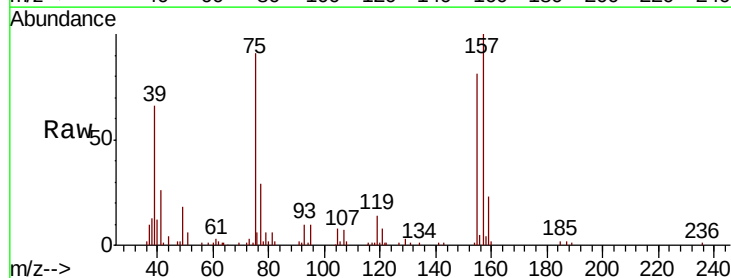
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

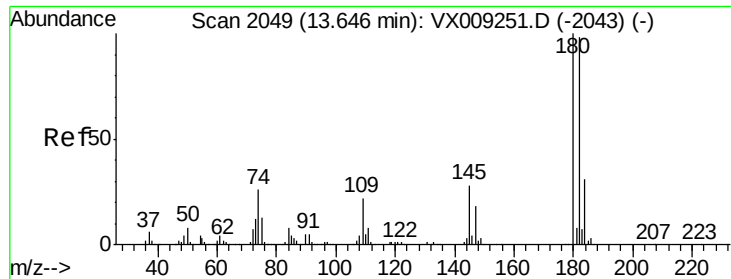
Tot Ion:146 Resp: 77568
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.8 62.2
 148 62.9 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.477 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion: 75 Resp: 13702
 Ion Ratio Lower Upper
 75 100
 155 85.1 65.9 98.9
 157 107.1 85.2 127.8

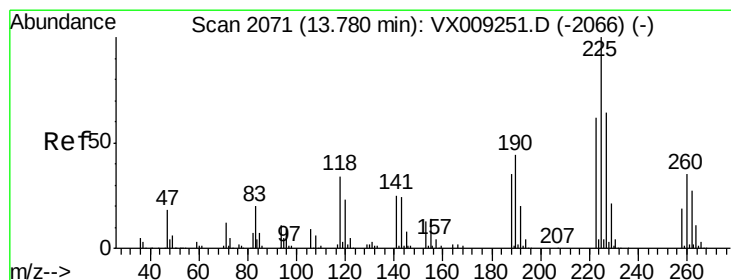
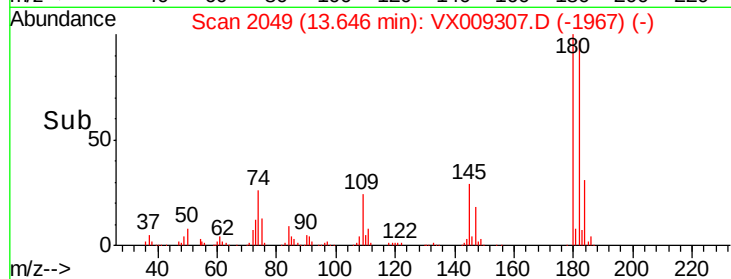
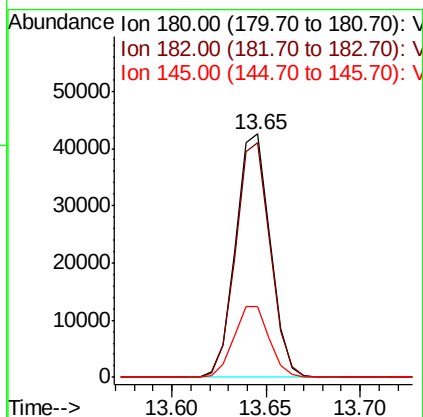
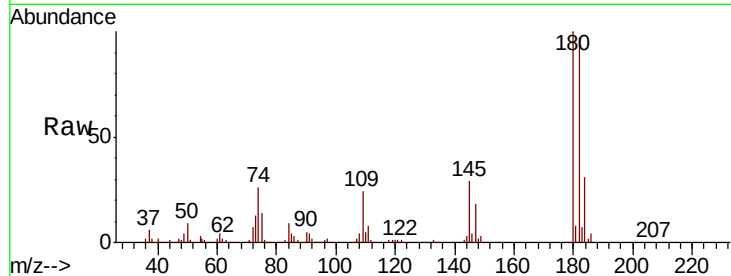




#89
 1,2,4-Trichlorobenzene
 Concen: 19.653 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

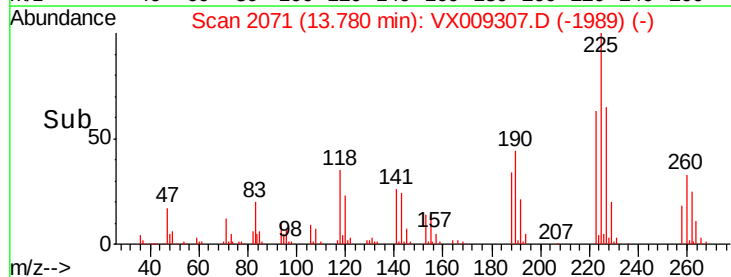
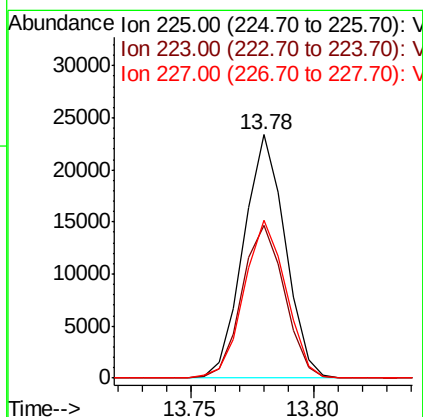
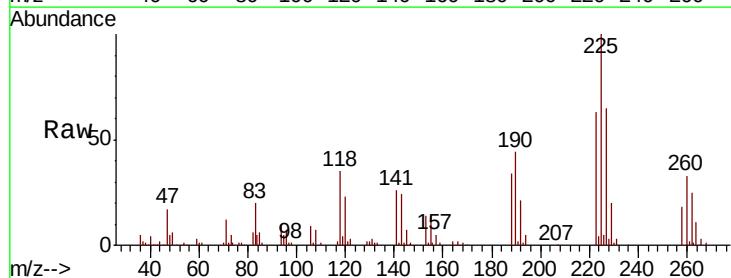
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

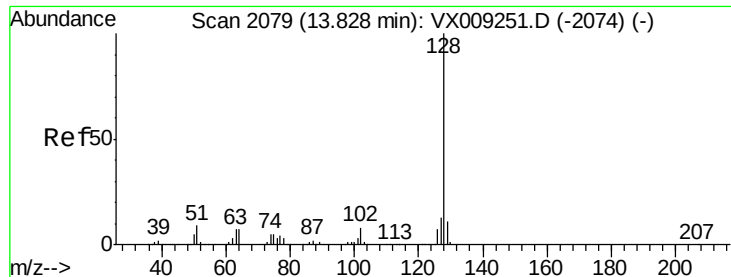
Tot Ion:180 Resp: 54214
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.9 115.3
 145 29.7 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 20.136 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009307.D
 Acq: 03 May 2019 13:33

Tgt Ion:225 Resp: 27746
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 126.6
 227 64.9 0.0 130.0

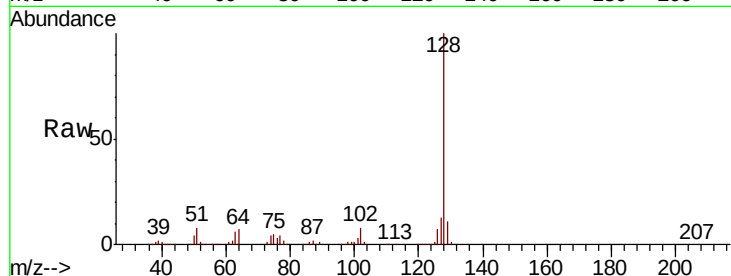




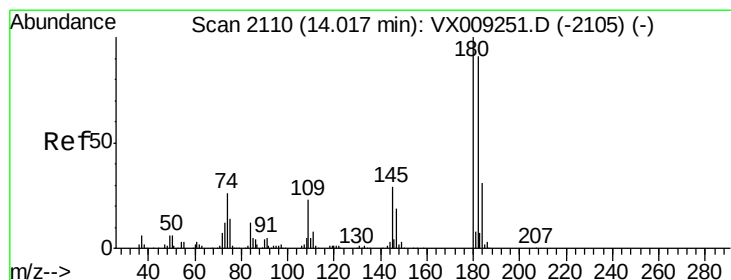
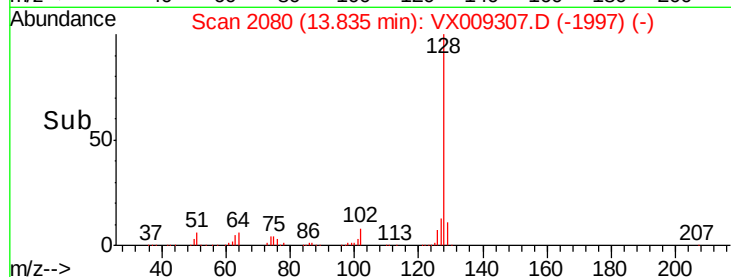
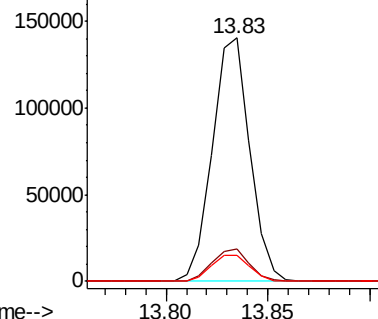
#91
Naphthalene
Concen: 19.834 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 179134
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.1 8.7 13.1

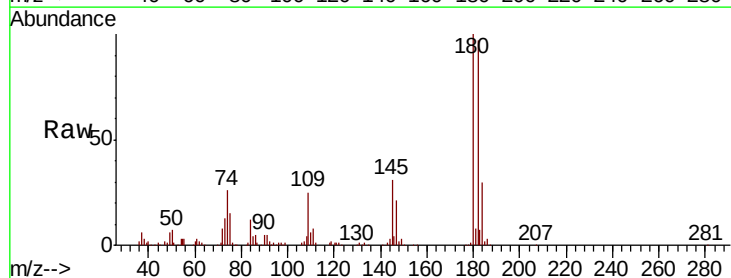


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 20.271 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009307.D
Acq: 03 May 2019 13:33

Tgt Ion:180 Resp: 56843
Ion Ratio Lower Upper
180 100
182 95.1 0.0 189.0
145 30.3 0.0 61.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

