

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102819\
 Data File : VW013781.D
 Acq On : 28 Oct 2019 21:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 29 11:49:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134740	60.79	ug/l	0.00
Spiked Amount			Recovery	=	121.58%	
35) Dibromofluoromethane	7.88	113	137361	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
50) Toluene-d8	10.32	98	539620	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	187922	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	59650	38.322	ug/l	100
3) Chloromethane	2.21	50	70236	41.987	ug/l	97
4) Vinyl Chloride	2.36	62	109604	43.385	ug/l	99
5) Bromomethane	2.77	94	78958	47.523	ug/l	98
6) Chloroethane	2.92	64	71830	46.989	ug/l	98
7) Trichlorofluoromethane	3.25	101	54922	34.806	ug/l	100
8) Diethyl Ether	3.68	74	73678	57.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114784	44.746	ug/l	98
10) Methyl Iodide	4.27	142	212263	50.779	ug/l	99
11) Tert butyl alcohol	5.16	59	43338	327.542	ug/l	99
12) 1,1-Dichloroethene	4.04	96	125028	47.184	ug/l	97
13) Acrolein	3.89	56	60469	398.908	ug/l	99
14) Allyl chloride	4.67	41	201163	49.372	ug/l	99
15) Acrylonitrile	5.36	53	159927	308.512	ug/l	98
16) Acetone	4.11	43	132705	282.386	ug/l	95
17) Carbon Disulfide	4.39	76	345178	45.359	ug/l	97
18) Methyl Acetate	4.66	43	80721	62.661	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	180217	56.676	ug/l	99
20) Methylene Chloride	4.92	84	149012	58.432	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	142618	50.007	ug/l	98
22) Diisopropyl ether	6.31	45	420962	56.640	ug/l	99
23) Vinyl Acetate	6.25	43	1234449	286.251	ug/l	99
24) 1,1-Dichloroethane	6.21	63	245927	52.247	ug/l	99
25) 2-Butanone	7.17	43	205115	303.590	ug/l	94
26) 2,2-Dichloropropane	7.17	77	121800	44.749	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160940	53.130	ug/l	100
28) Bromochloromethane	7.51	49	98508	58.506	ug/l	97
29) Tetrahydrofuran	7.53	42	134325	321.132	ug/l	100
30) Chloroform	7.67	83	246463	52.968	ug/l	98
31) Cyclohexane	7.95	56	209946	42.621	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	181951	49.830	ug/l	99
36) 1,1-Dichloropropene	8.09	75	188764	45.144	ug/l	99
37) Ethyl Acetate	7.25	43	88114	55.049	ug/l	98
38) Carbon Tetrachloride	8.07	117	169663	45.059	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102819\
 Data File : VW013781.D
 Acq On : 28 Oct 2019 21:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Oct 29 11:49:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	234403	43.409	ug/l	99
40) Benzene	8.32	78	578194	48.861	ug/l	99
41) Methacrylonitrile	7.48	41	49125	49.217	ug/l	95
42) 1,2-Dichloroethane	8.40	62	161279	54.085	ug/l	99
43) Isopropyl Acetate	8.42	43	174092	56.821	ug/l	97
44) Trichloroethene	9.09	130	161328	47.594	ug/l	99
45) 1,2-Dichloropropane	9.37	63	144971	51.290	ug/l	98
46) Dibromomethane	9.46	93	74045	53.974	ug/l	99
47) Bromodichloromethane	9.64	83	188539	53.116	ug/l	98
48) Methyl methacrylate	9.43	41	80169	52.765	ug/l	91
49) 1,4-Dioxane	9.45	88	25878	1276.546	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	440101	289.070	ug/l	99
52) Toluene	10.38	92	375039	49.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192617	53.604	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	229076	51.671	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109675	53.643	ug/l	98
56) Ethyl methacrylate	10.65	69	146947	57.447	ug/l	98
57) 1,3-Dichloropropane	10.93	76	189025	53.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	325790	276.734	ug/l	99
59) 2-Hexanone	10.97	43	301431	287.190	ug/l	98
60) Dibromochloromethane	11.13	129	133383	54.947	ug/l	99
61) 1,2-Dibromoethane	11.24	107	106255	54.933	ug/l	99
64) Tetrachloroethene	10.86	164	145220	47.556	ug/l	99
65) Chlorobenzene	11.66	112	402060	48.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	145859	50.888	ug/l	99
67) Ethyl Benzene	11.73	91	705297	47.625	ug/l	98
68) m/p-Xylenes	11.84	106	545108	95.272	ug/l	100
69) o-Xylene	12.16	106	256725	48.815	ug/l	100
70) Styrene	12.18	104	455675	50.429	ug/l	99
71) Bromoform	12.35	173	80540	53.544	ug/l #	100
73) Isopropylbenzene	12.46	105	691951	46.122	ug/l	100
74) N-amyl acetate	12.27	43	154937	53.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121761	51.431	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	157313	104.856	ug/l #	100
77) Bromobenzene	12.74	156	177881	49.633	ug/l	99
78) n-propylbenzene	12.80	91	808571	46.564	ug/l	99
79) 2-Chlorotoluene	12.89	91	463124	47.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	600544	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40250	50.702	ug/l	99
82) 4-Chlorotoluene	12.99	91	486429	47.481	ug/l	98
83) tert-Butylbenzene	13.21	119	523200	46.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	607747	48.647	ug/l	98
85) sec-Butylbenzene	13.38	105	702826	45.719	ug/l	100
86) p-Isopropyltoluene	13.50	119	665570	46.479	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	333667	48.051	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	331914	48.114	ug/l	100
89) n-Butylbenzene	13.82	91	584666	45.233	ug/l	100
90) Hexachloroethane	14.09	117	115713	46.489	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	302122	50.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19392	54.167	ug/l	96

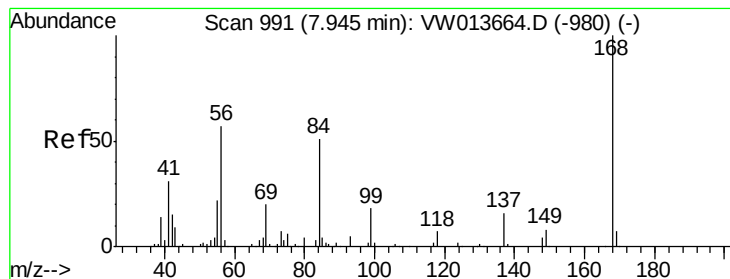
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\
Data File : VW013781.D
Acq On : 28 Oct 2019 21:35
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 29 11:49:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213456	48.715	ug/l	98
94) Hexachlorobutadiene	15.24	225	132416	44.764	ug/l	98
95) Naphthalene	15.36	128	362071	52.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	186235	49.325	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

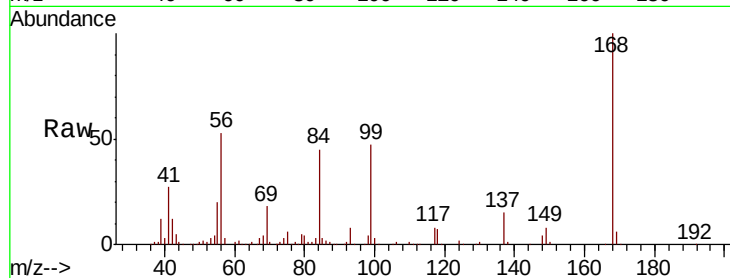
VSTDCCC050EC

Tot Ion:168 Resp: 295453

Ion Ratio Lower Upper

168 100

99 47.4 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

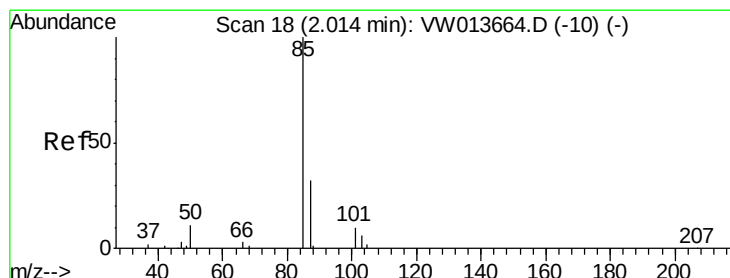
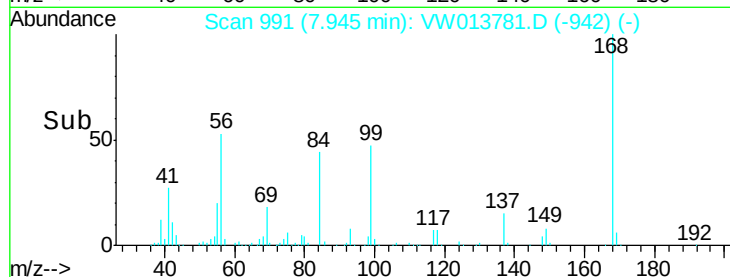
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 38.322 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013781.D

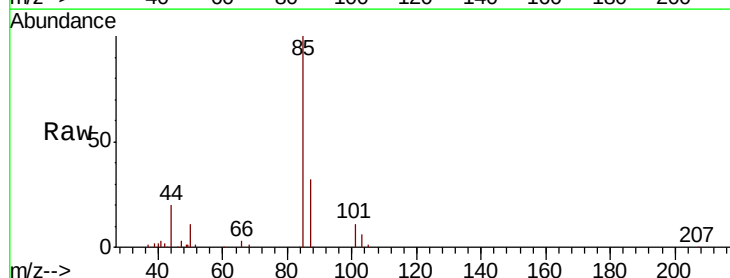
Acq: 28 Oct 2019 21:35

Tgt Ion: 85 Resp: 59650

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

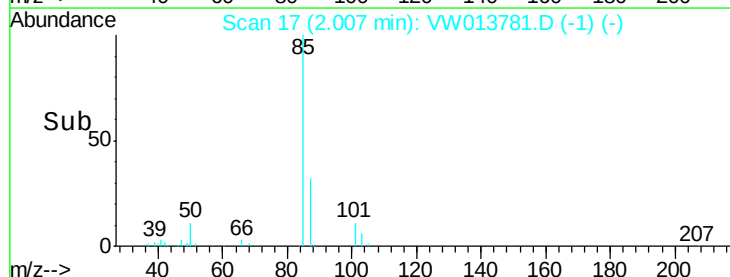
10000

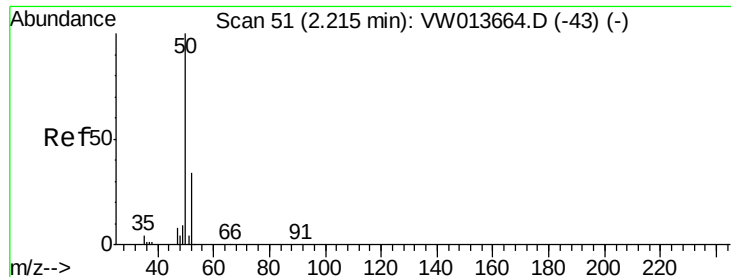
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 41.987 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

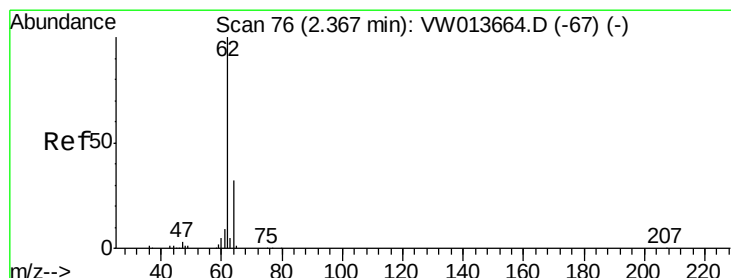
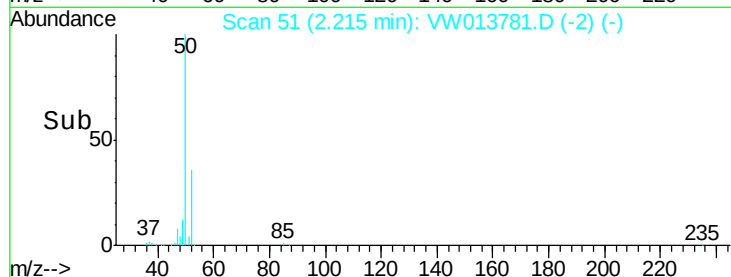
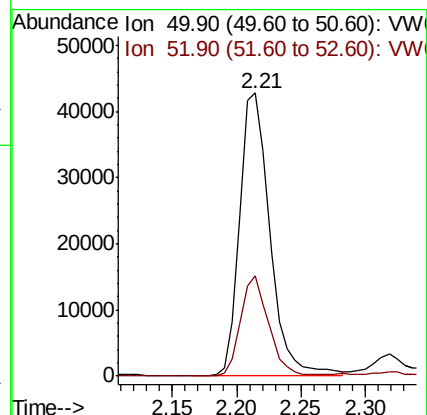
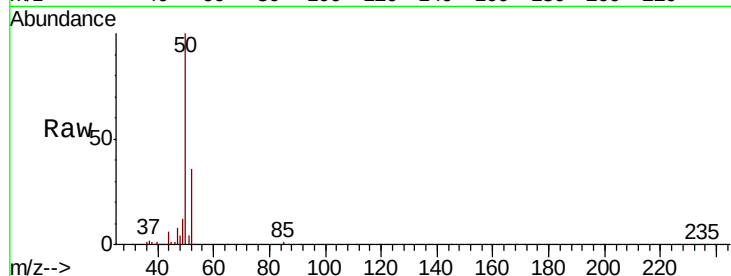
VSTDCCC050EC

Tot Ion: 50 Resp: 70236

Ion Ratio Lower Upper

50 100

52 35.6 26.9 40.3



#4

Vinyl Chloride

Concen: 43.385 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013781.D

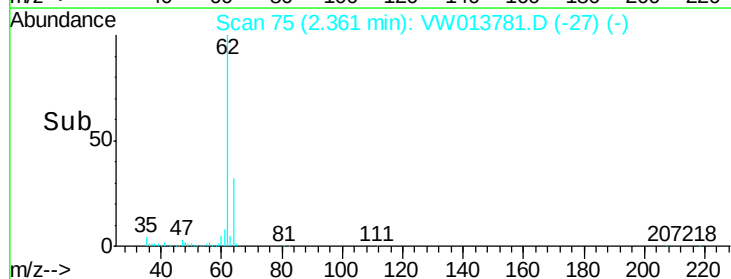
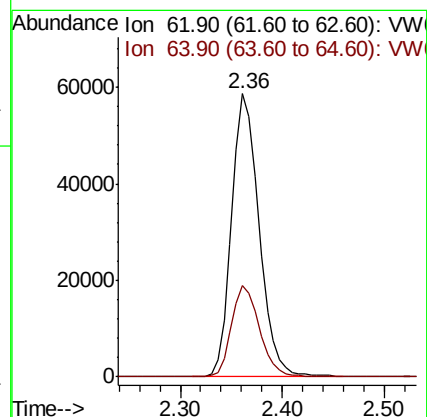
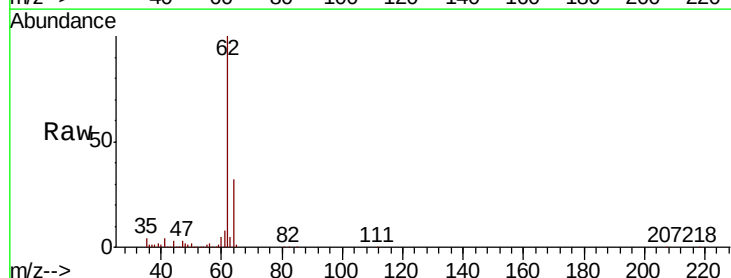
Acq: 28 Oct 2019 21:35

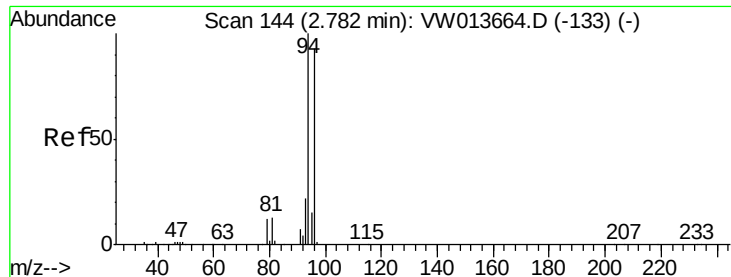
Tgt Ion: 62 Resp: 109604

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.523 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

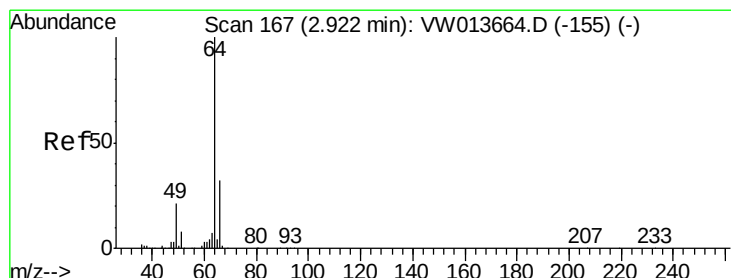
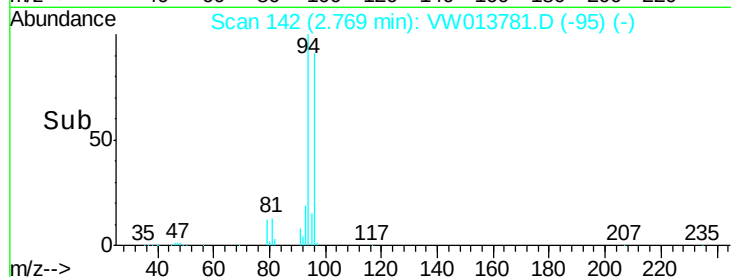
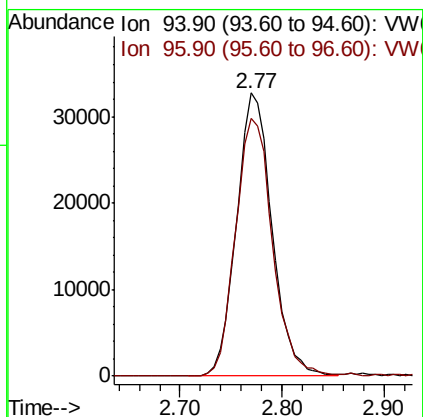
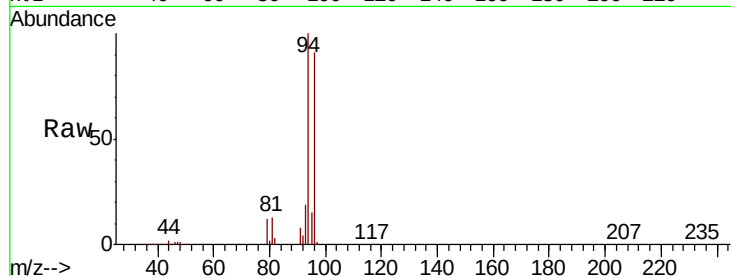
VSTDCCC050EC

Tot Ion: 94 Resp: 78958

Ion Ratio Lower Upper

94 100

96 91.1 74.6 112.0



#6

Chloroethane

Concen: 46.989 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013781.D

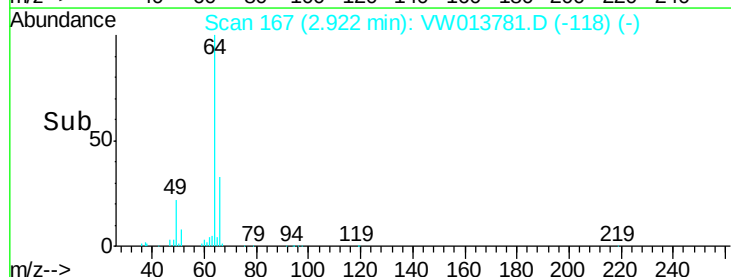
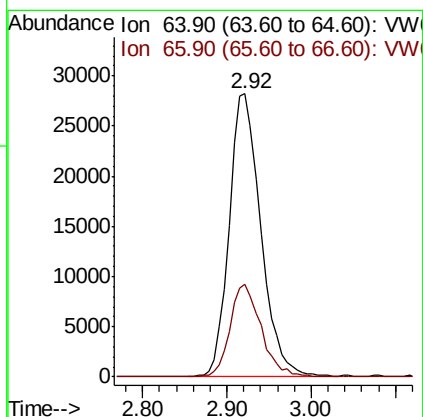
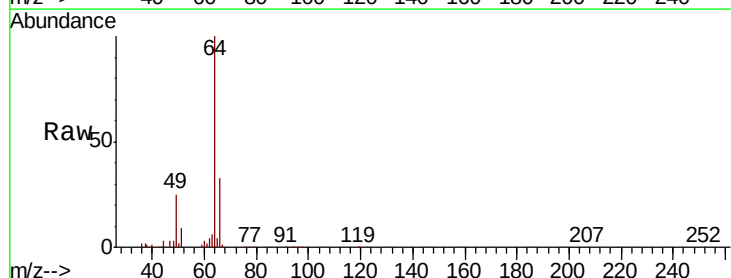
Acq: 28 Oct 2019 21:35

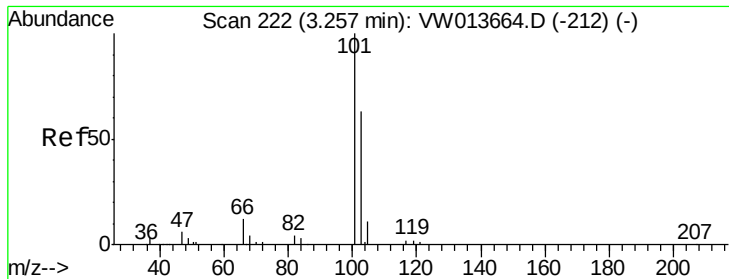
Tgt Ion: 64 Resp: 71830

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0



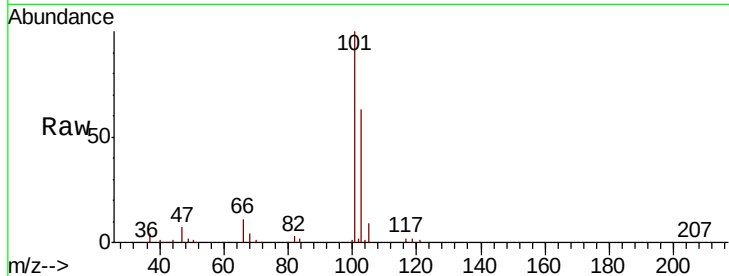


#7

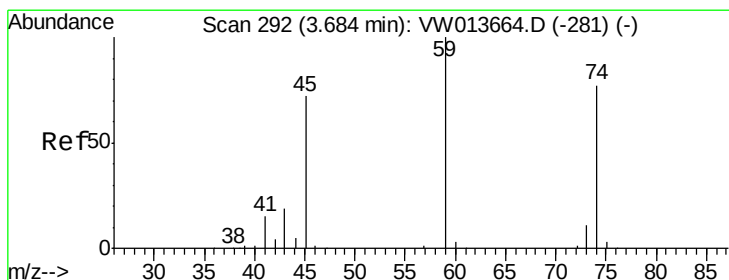
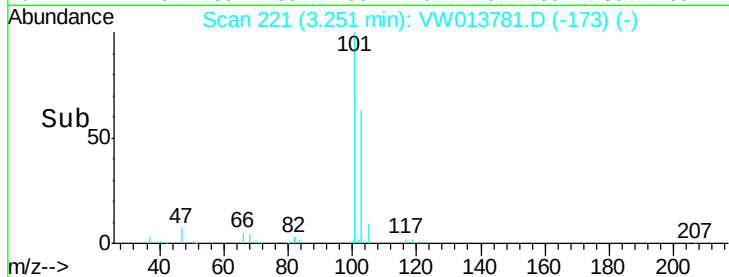
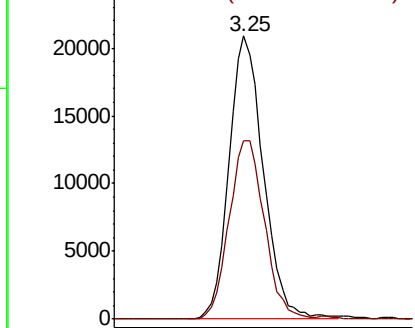
Trichlorofluoromethane
 Concen: 34.806 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 54922
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.6 76.0



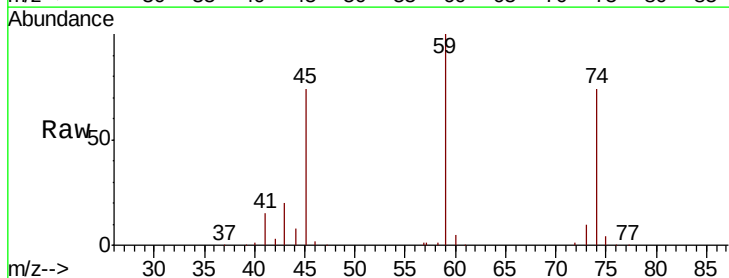
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



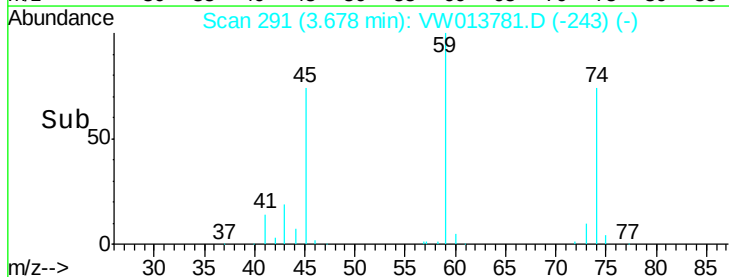
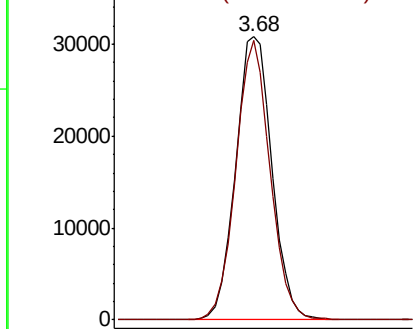
#8

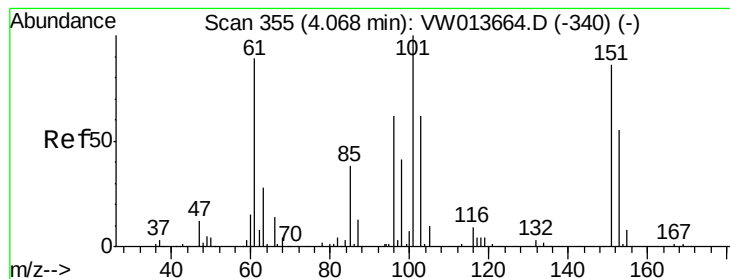
Diethyl Ether
 Concen: 57.794 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 74 Resp: 73678
 Ion Ratio Lower Upper
 74 100
 45 93.2 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.746 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

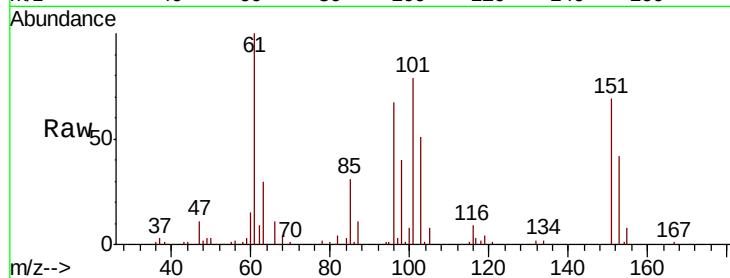
Tot Ion:101 Resp: 114784

Ion Ratio Lower Upper

101 100

85 41.0 31.0 46.6

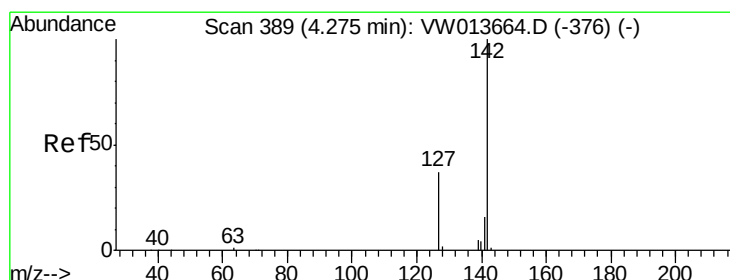
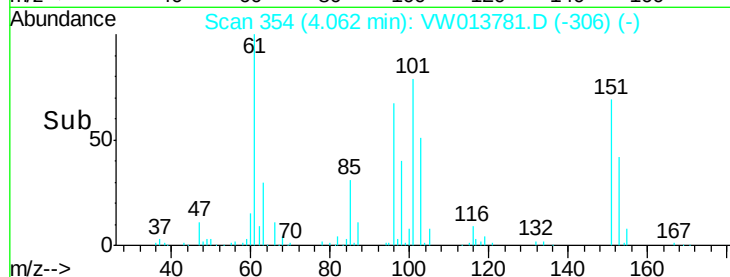
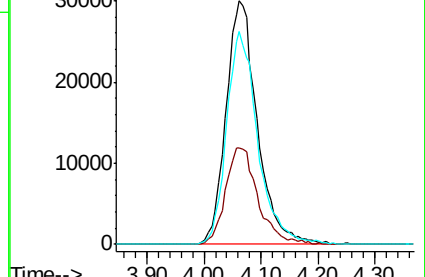
151 86.9 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.779 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

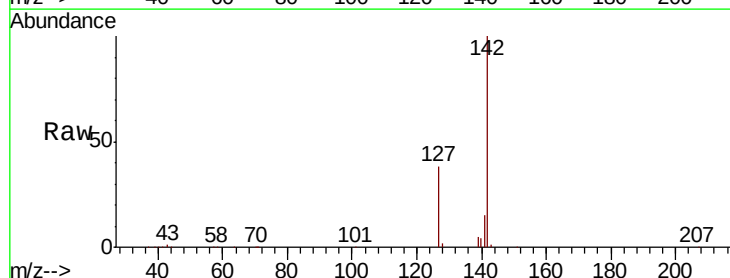
Tgt Ion:142 Resp: 212263

Ion Ratio Lower Upper

142 100

127 38.8 30.3 45.5

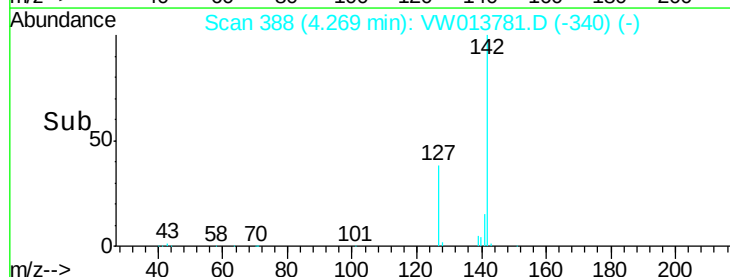
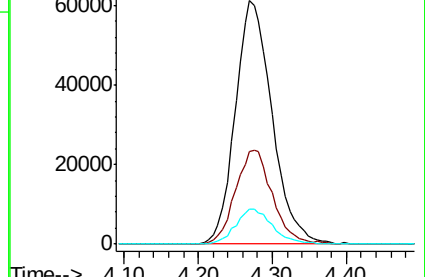
141 14.6 11.8 17.8

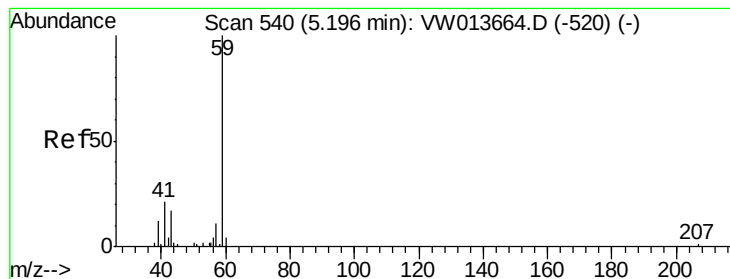


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 327.542 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

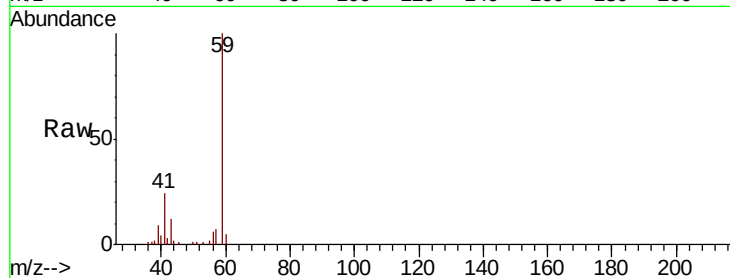
VSTDCCC050EC

Tot Ion: 59 Resp: 43338

Ion Ratio Lower Upper

59 100

57 10.6 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

15000

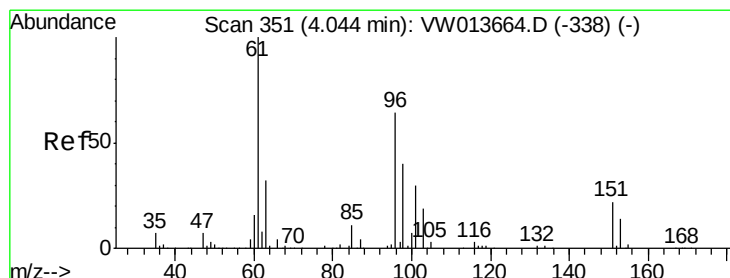
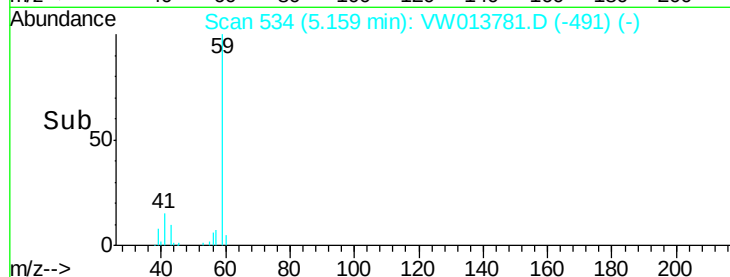
10000

5000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 47.184 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

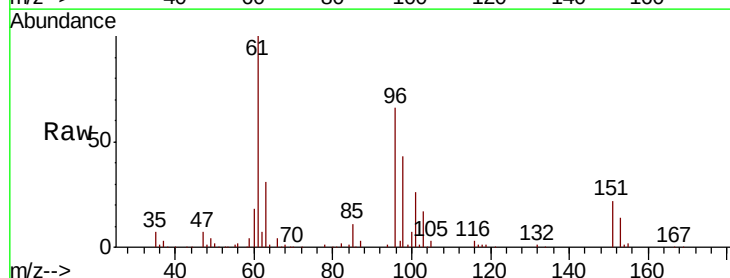
Tgt Ion: 96 Resp: 125028

Ion Ratio Lower Upper

96 100

61 152.6 125.0 187.6

98 64.9 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

80000

60000

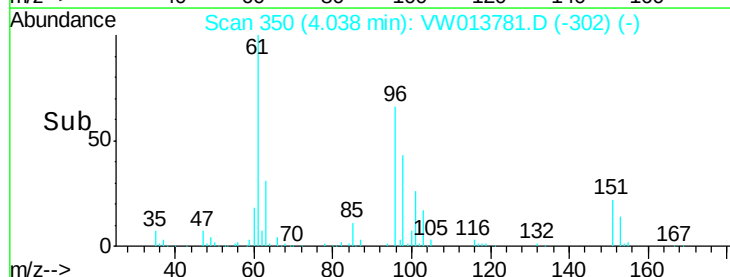
40000

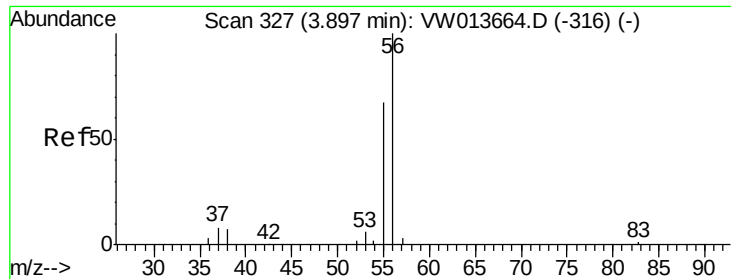
20000

0

Time-->

3.90 4.00 4.10 4.20

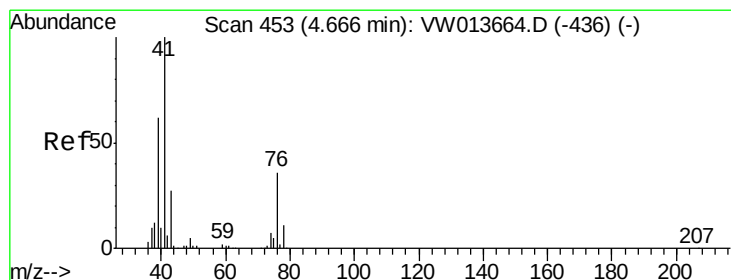
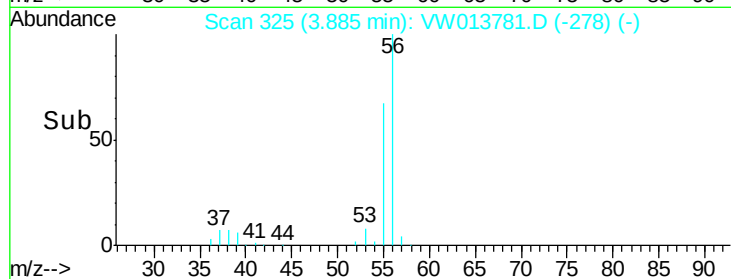
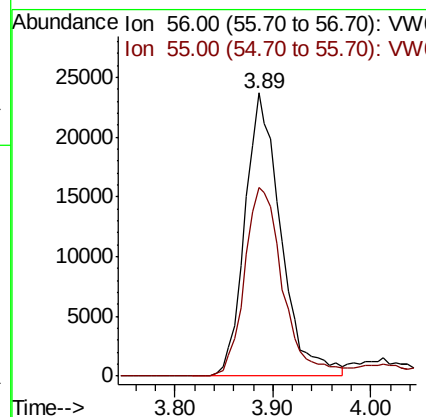
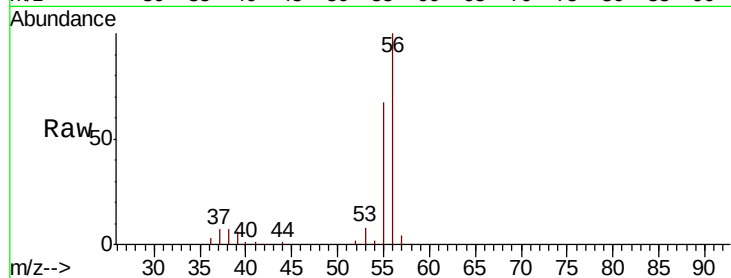




#13
 Acrolein
 Concen: 398.908 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

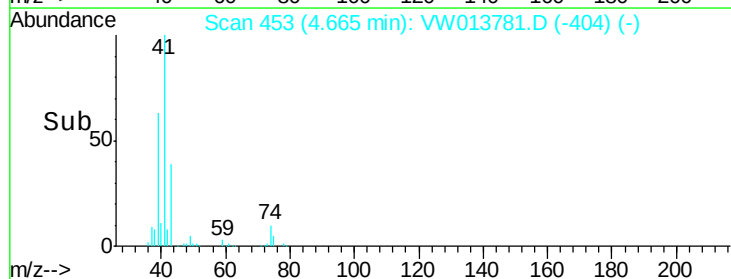
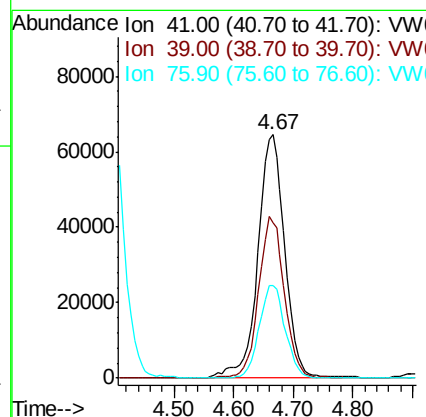
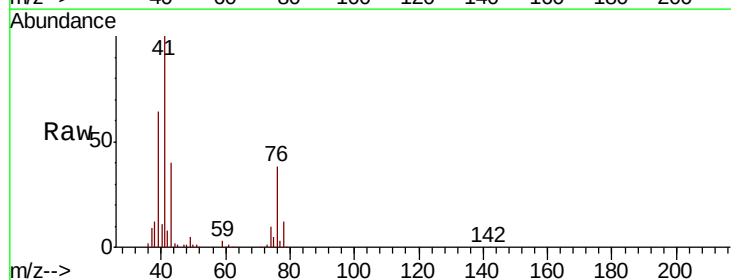
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

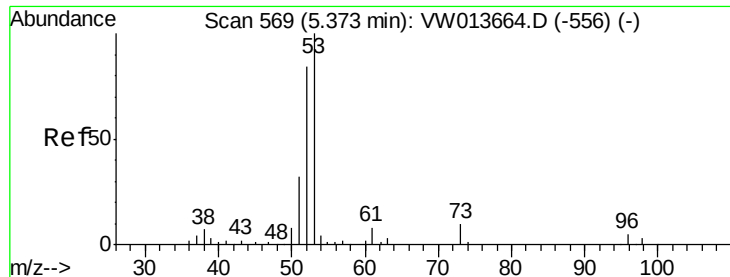
Tot Ion: 56 Resp: 60469
 Ion Ratio Lower Upper
 56 100
 55 71.0 56.1 84.1



#14
 Allyl chloride
 Concen: 49.372 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 41 Resp: 201163
 Ion Ratio Lower Upper
 41 100
 39 63.7 50.0 75.0
 76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 308.512 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

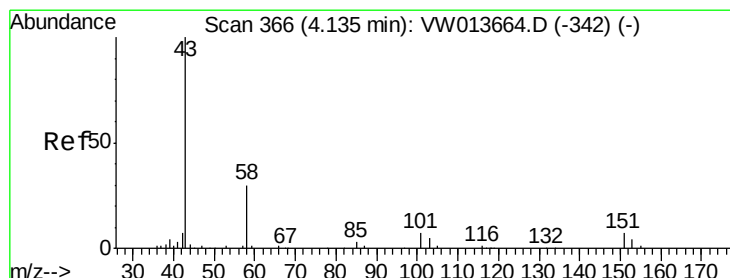
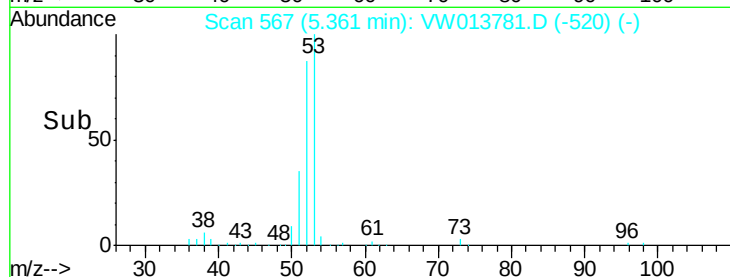
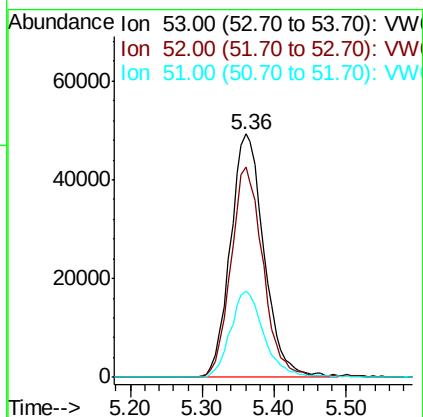
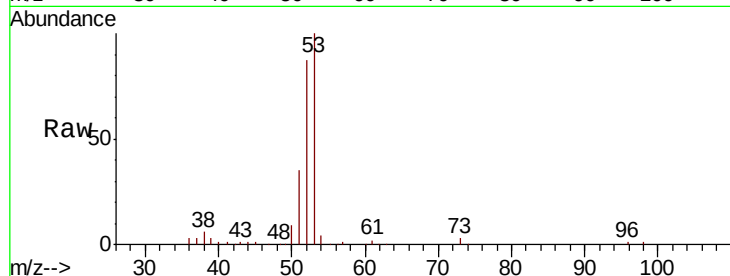
Tot Ion: 53 Resp: 159927

Ion Ratio Lower Upper

53 100

52 82.1 67.4 101.0

51 35.5 29.1 43.7



#16

Acetone

Concen: 282.386 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.02 min

Lab File: VW013781.D

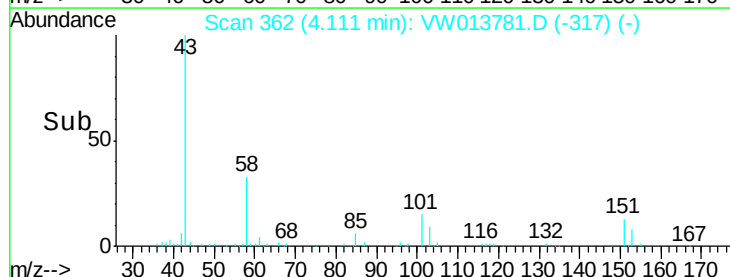
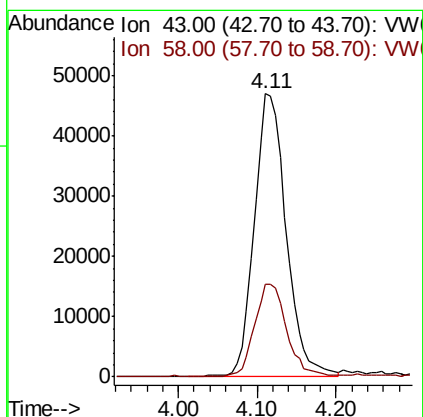
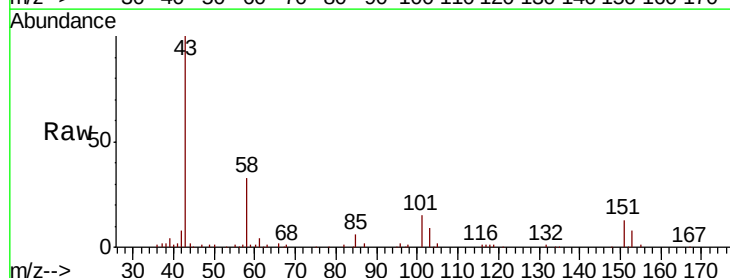
Acq: 28 Oct 2019 21:35

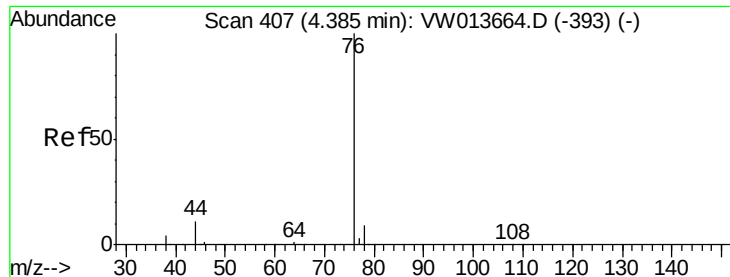
Tgt Ion: 43 Resp: 132705

Ion Ratio Lower Upper

43 100

58 32.9 24.1 36.1

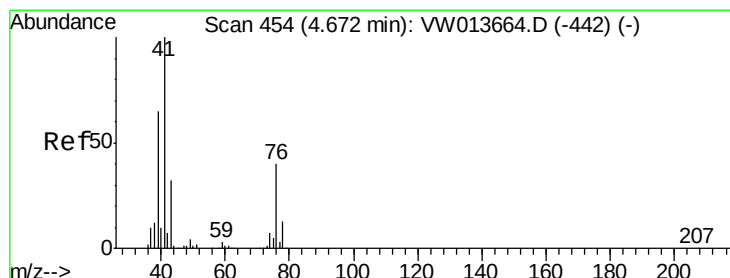
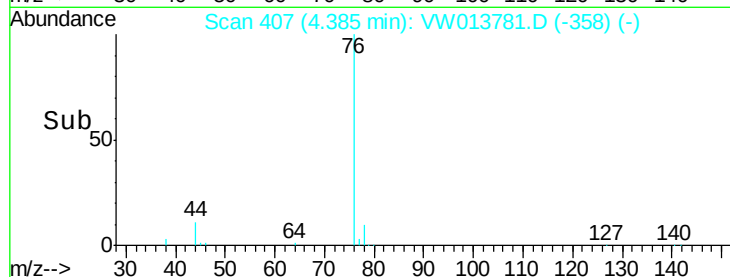
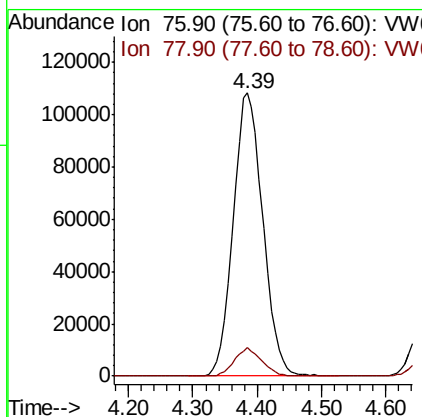
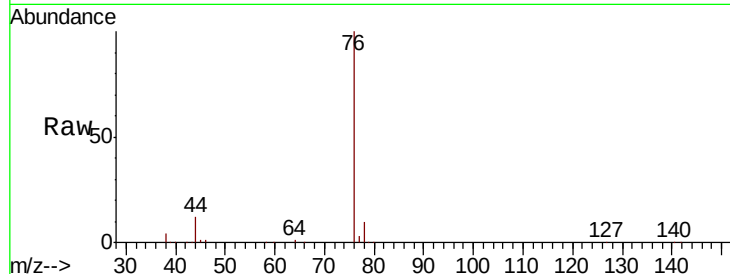




#17
Carbon Disulfide
Concen: 45.359 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

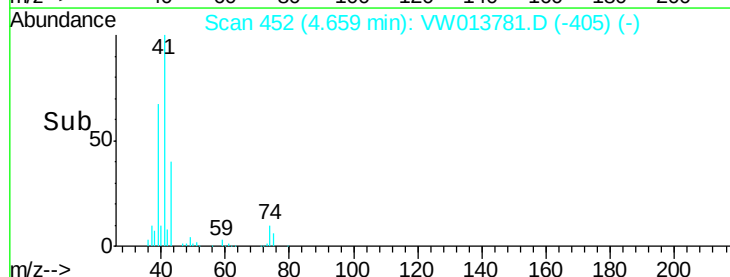
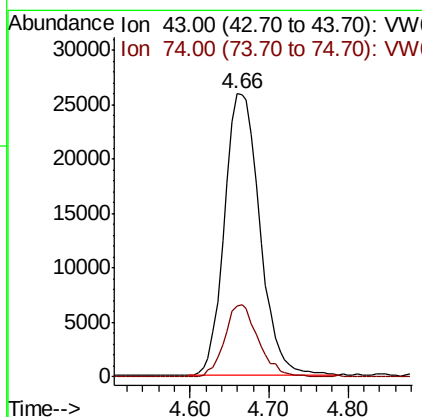
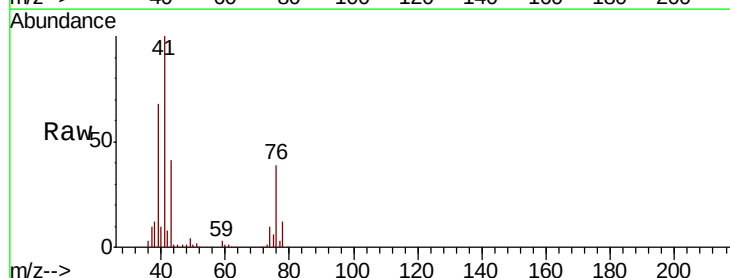
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

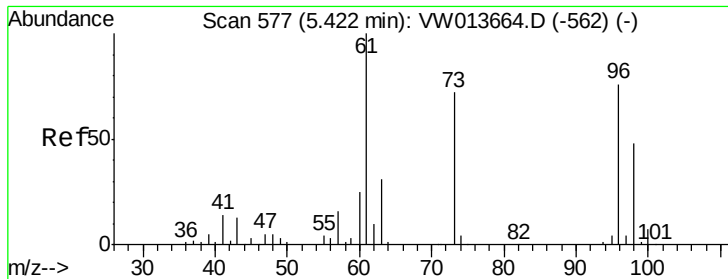
Tot Ion: 76 Resp: 345178
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6



#18
Methyl Acetate
Concen: 62.661 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 43 Resp: 80721
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8

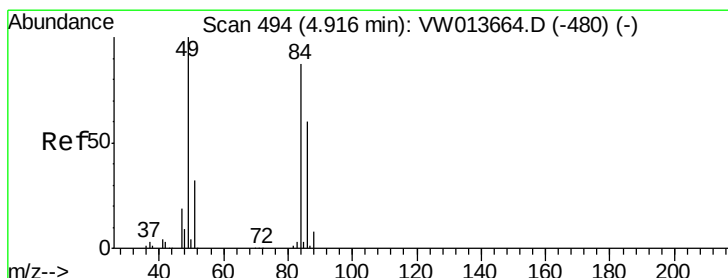
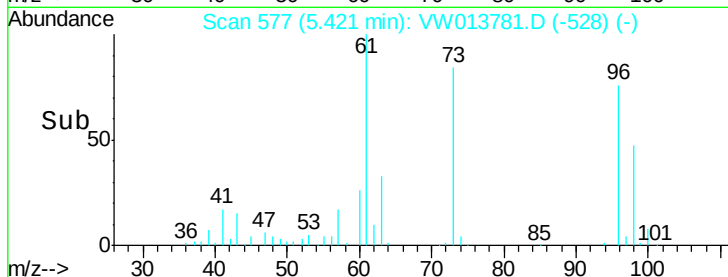
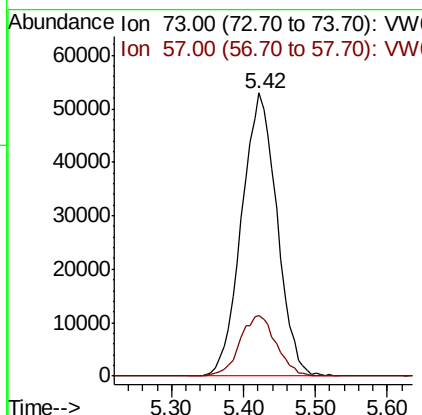
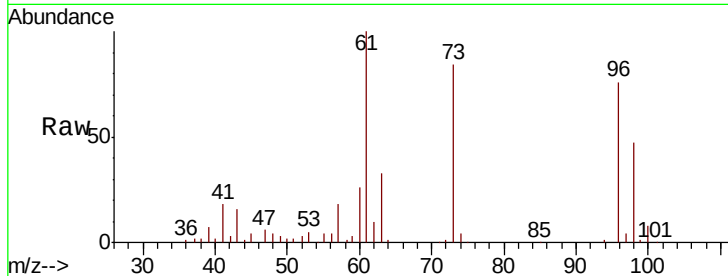




#19
Methyl tert-butyl Ether
Concen: 56.676 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

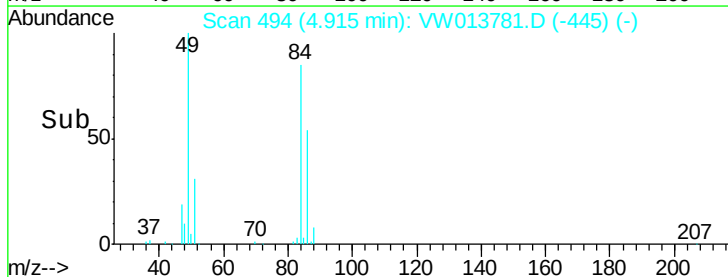
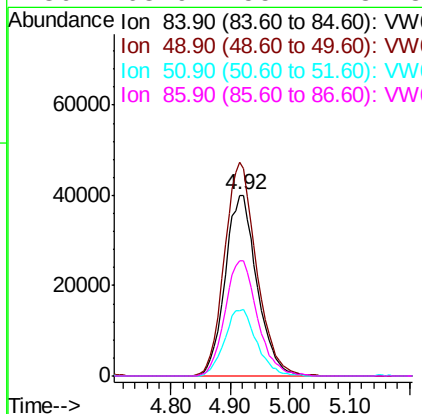
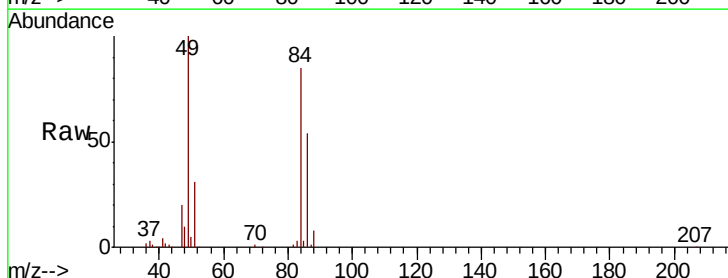
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

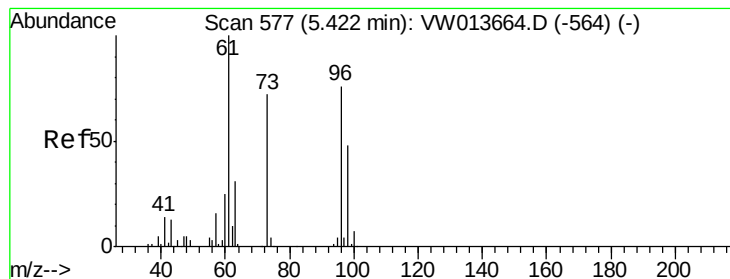
Tot Ion: 73 Resp: 180217
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4



#20
Methylene Chloride
Concen: 58.432 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 84 Resp: 149012
Ion Ratio Lower Upper
84 100
49 118.1 91.8 137.6
51 36.0 29.8 44.6
86 63.9 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.007 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

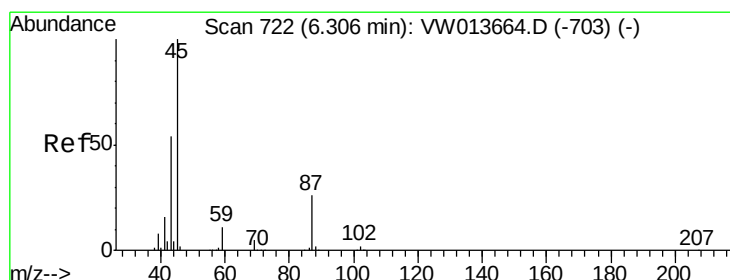
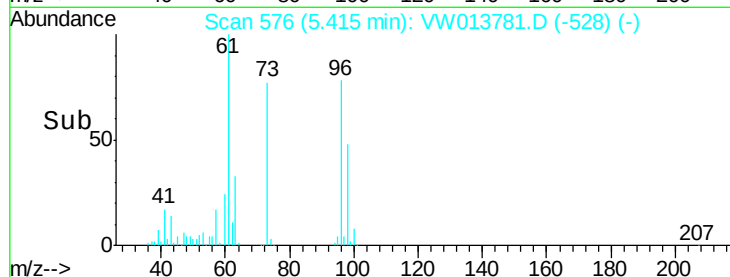
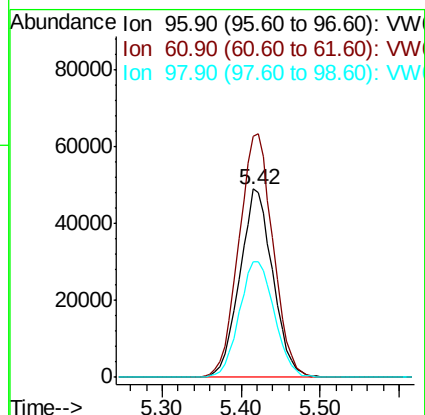
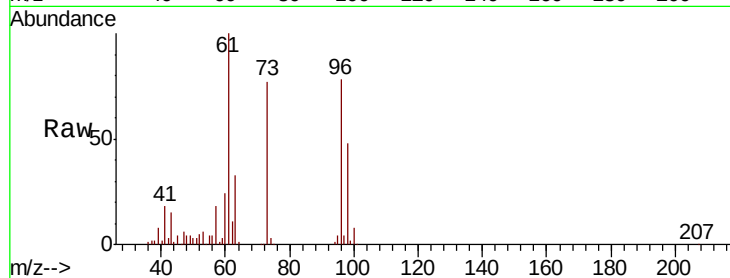
Tot Ion: 96 Resp: 142618

Ion Ratio Lower Upper

96 100

61 128.1 104.8 157.2

98 61.4 50.6 76.0



#22

Diisopropyl ether

Concen: 56.640 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion: 45 Resp: 420962

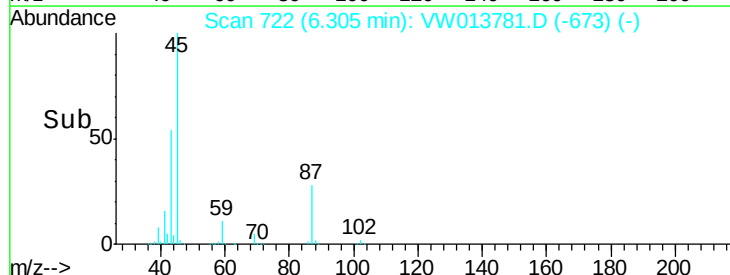
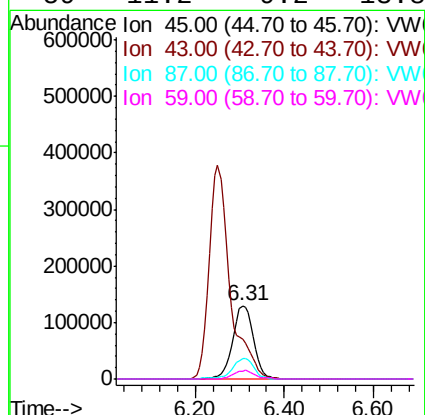
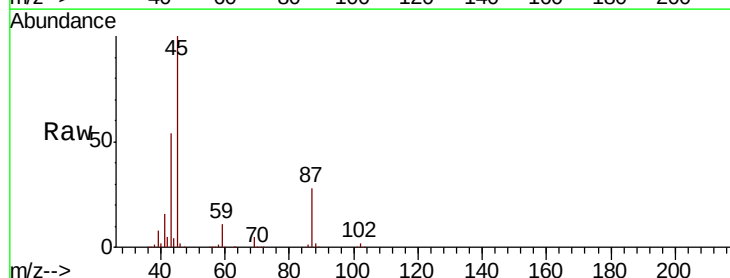
Ion Ratio Lower Upper

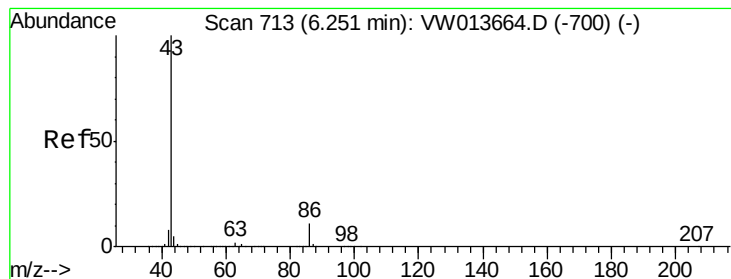
45 100

43 53.6 43.4 65.2

87 27.9 21.5 32.3

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 286.251 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

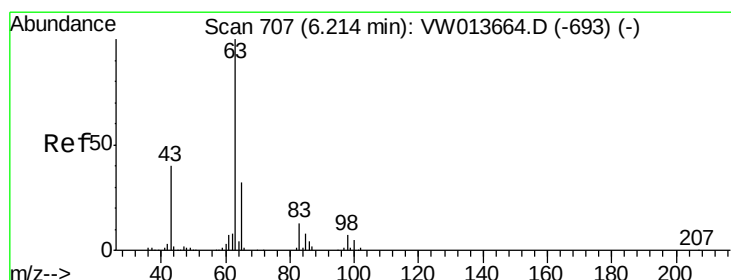
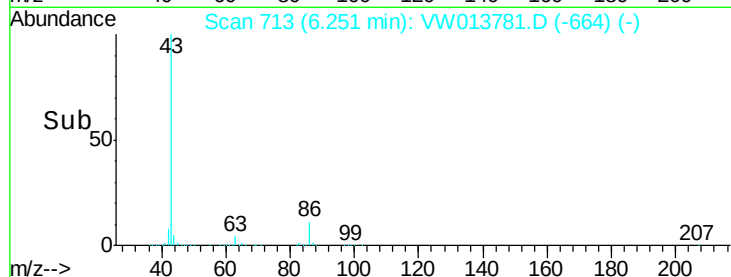
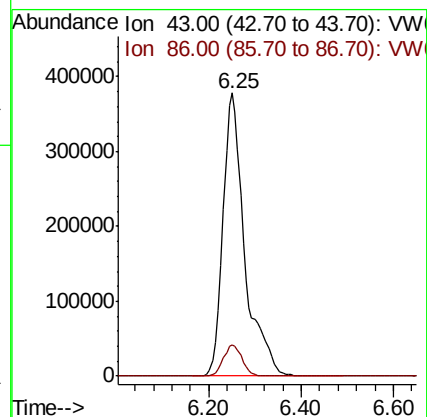
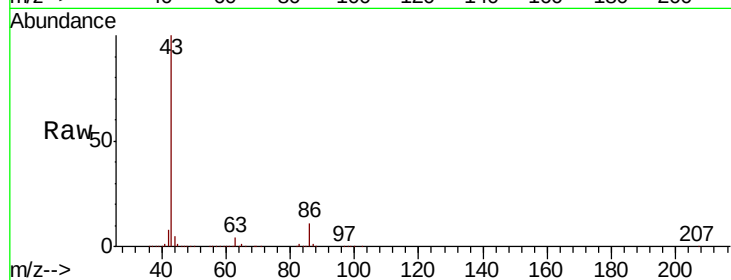
VSTDCCC050EC

Tot Ion: 43 Resp: 1234449

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.6



#24

1,1-Dichloroethane

Concen: 52.247 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

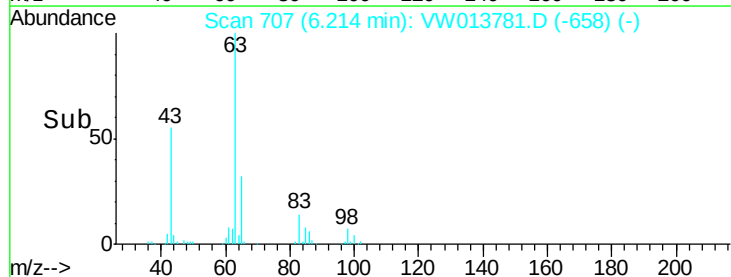
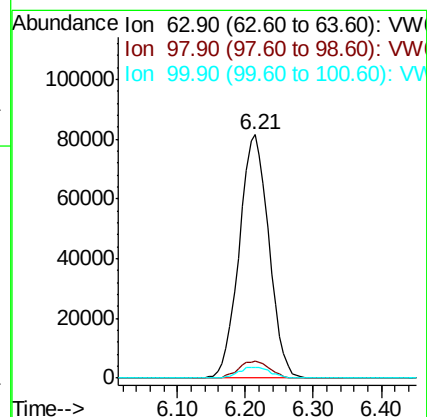
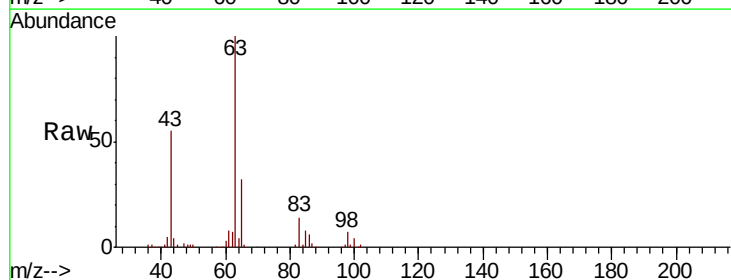
Tgt Ion: 63 Resp: 245927

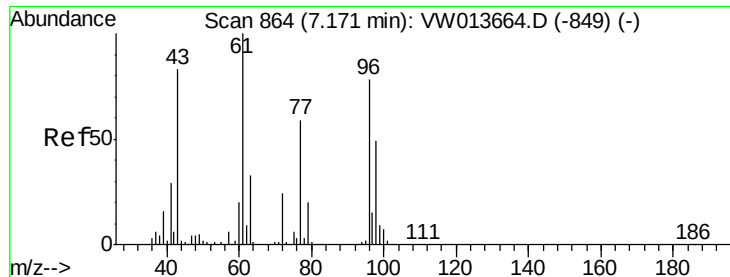
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 303.590 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

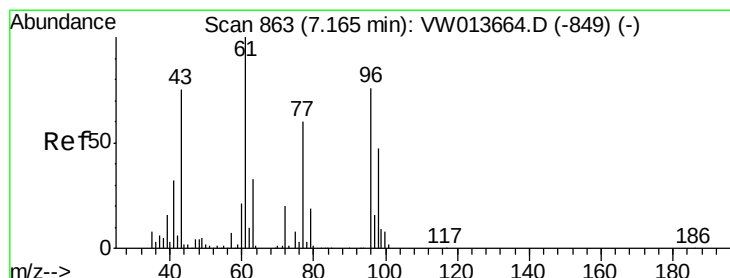
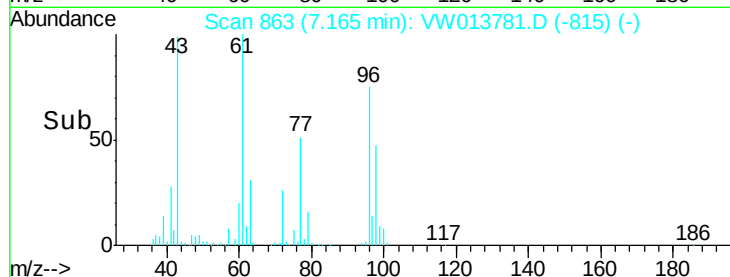
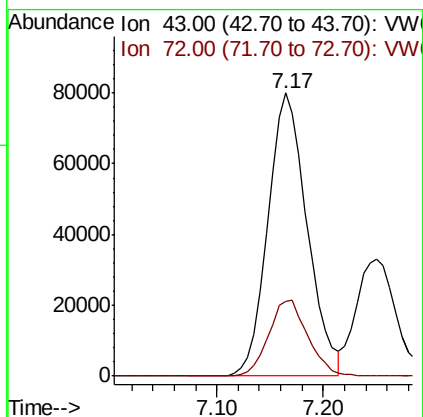
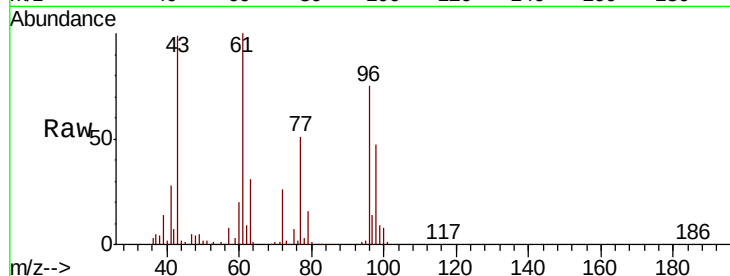
VSTDCCC050EC

Tot Ion: 43 Resp: 205115

Ion Ratio Lower Upper

43 100

72 26.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 44.749 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013781.D

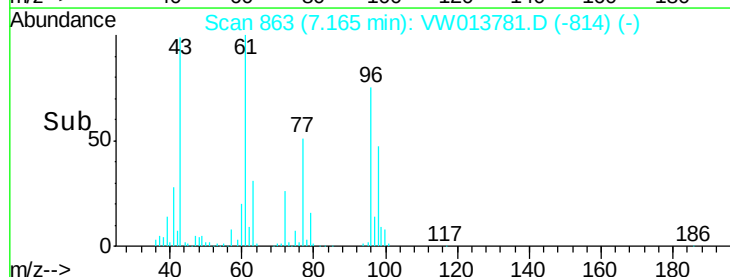
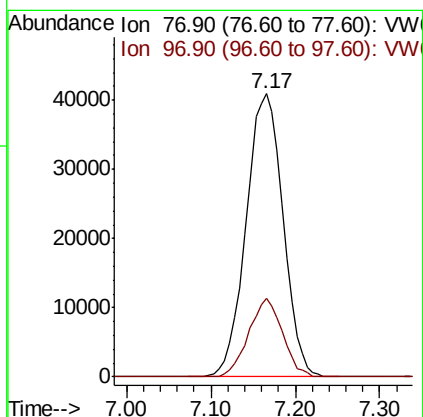
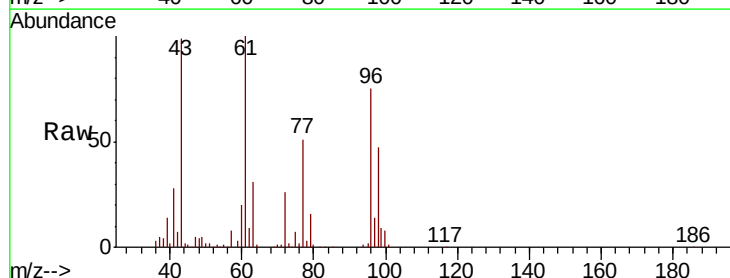
Acq: 28 Oct 2019 21:35

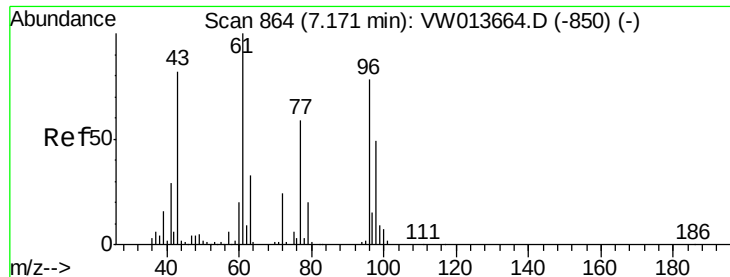
Tgt Ion: 77 Resp: 121800

Ion Ratio Lower Upper

77 100

97 25.7 12.8 38.4



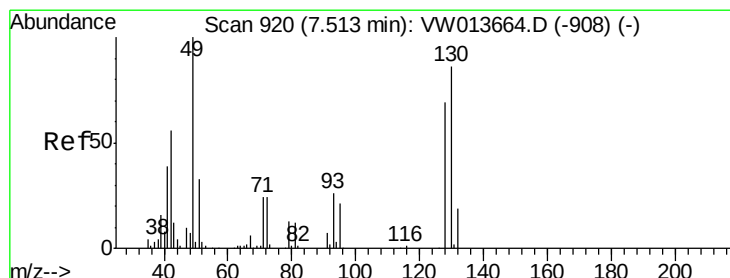
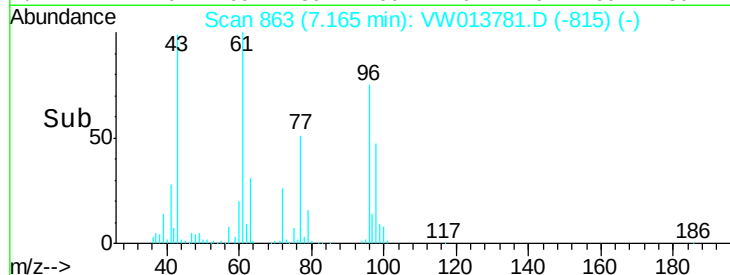
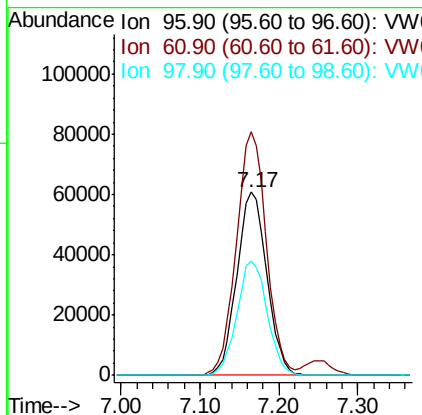
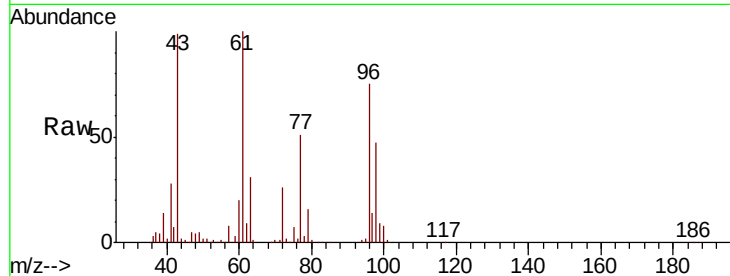


#27

cis-1,2-Dichloroethene
 Concen: 53.130 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

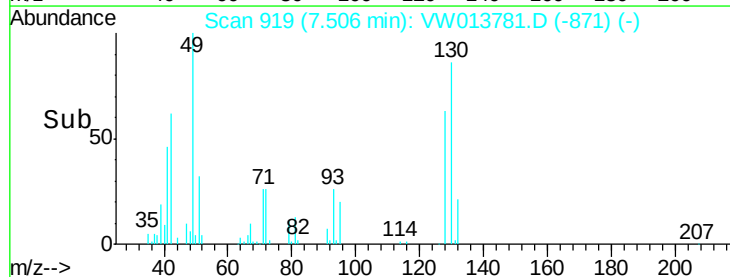
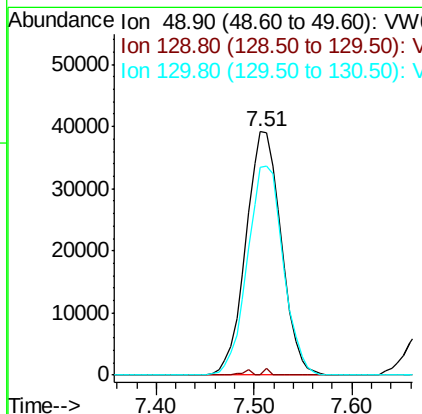
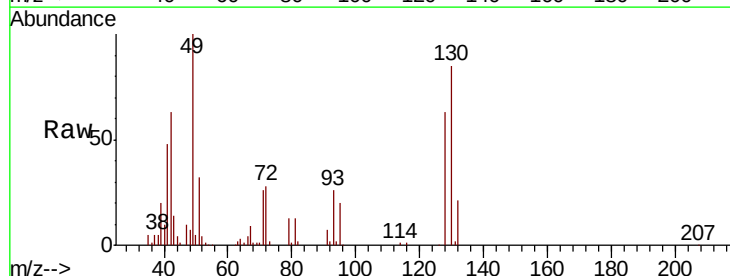
Tot Ion: 96 Resp: 160940
 Ion Ratio Lower Upper
 96 100
 61 132.9 0.0 266.0
 98 62.8 0.0 126.8

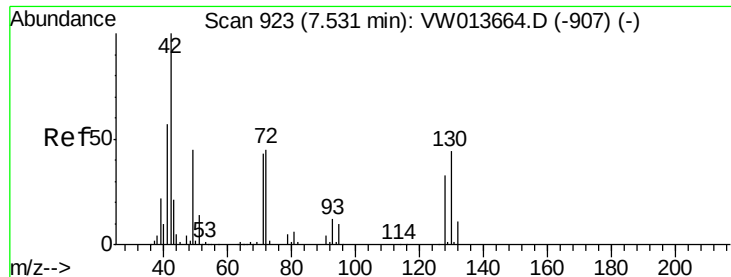


#28

Bromochloromethane
 Concen: 58.506 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 49 Resp: 98508
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 0.6
 130 87.3 67.5 101.3

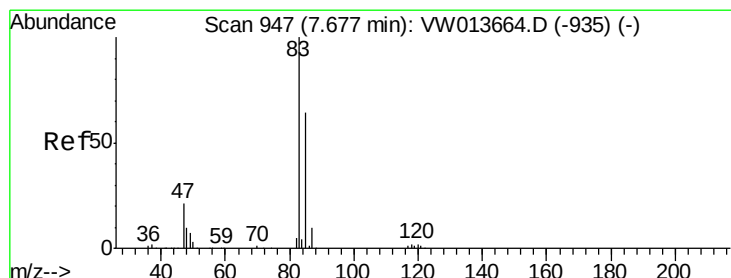
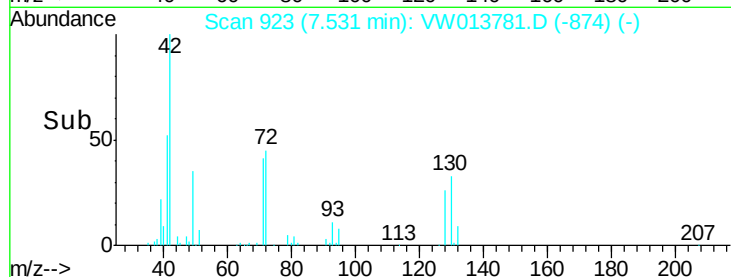
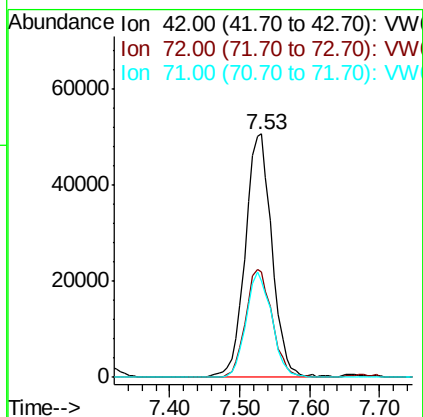
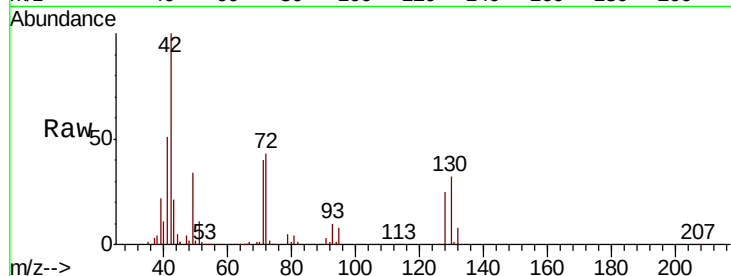




#29
Tetrahydrofuran
Concen: 321.132 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

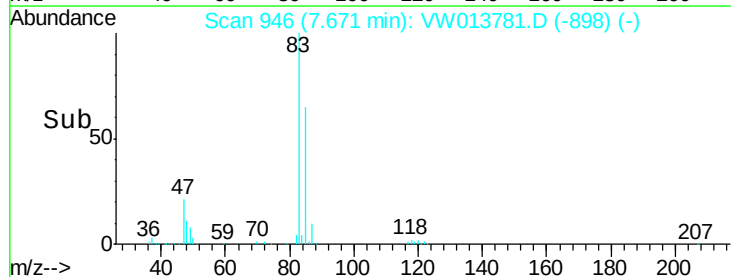
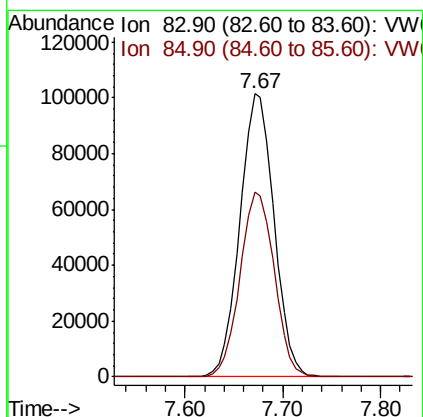
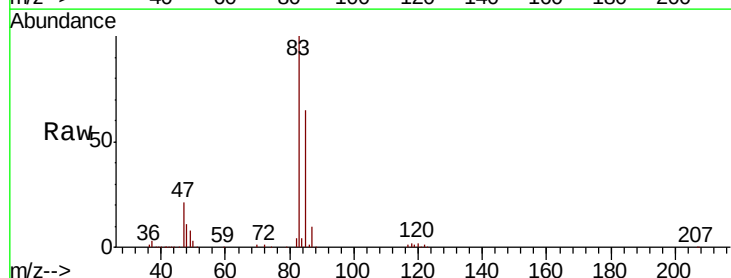
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

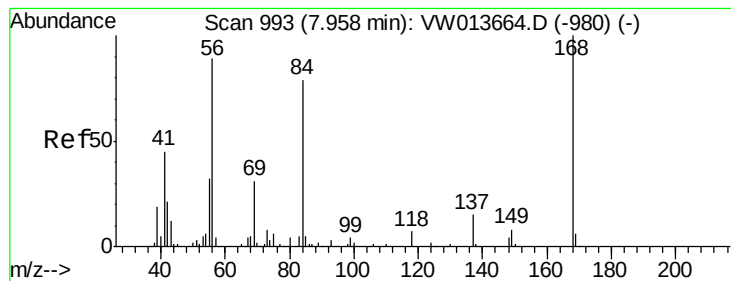
Tot Ion: 42 Resp: 134325
Ion Ratio Lower Upper
42 100
72 44.1 35.3 52.9
71 41.4 33.3 49.9



#30
Chloroform
Concen: 52.968 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 83 Resp: 246463
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2





#31

Cyclohexane

Concen: 42.621 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

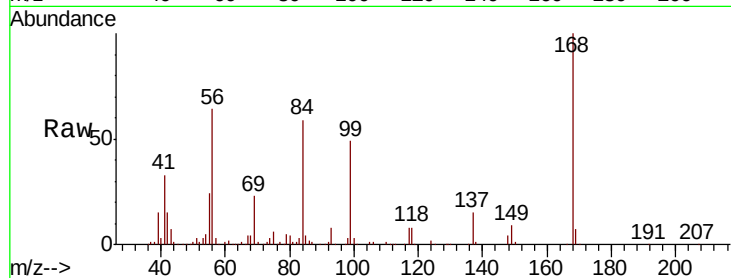
Tot Ion: 56 Resp: 209946

Ion Ratio Lower Upper

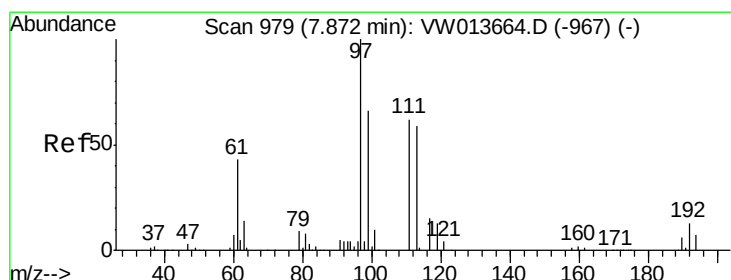
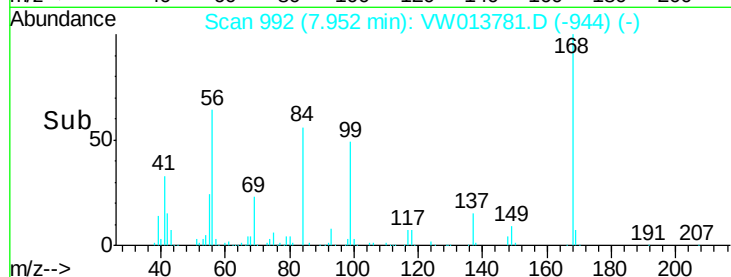
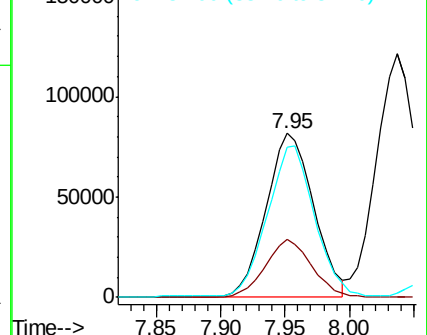
56 100

69 35.4 27.5 41.3

84 90.3 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.830 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

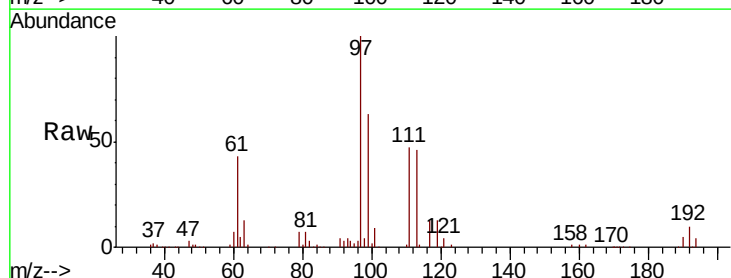
Tgt Ion: 97 Resp: 181951

Ion Ratio Lower Upper

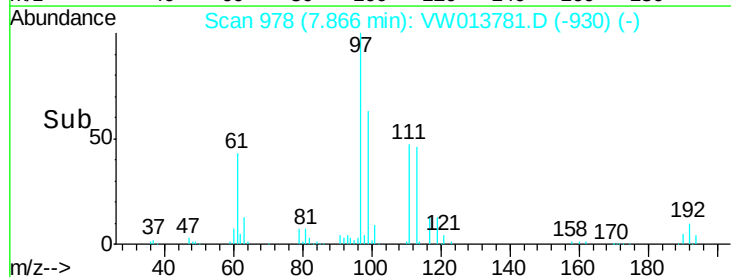
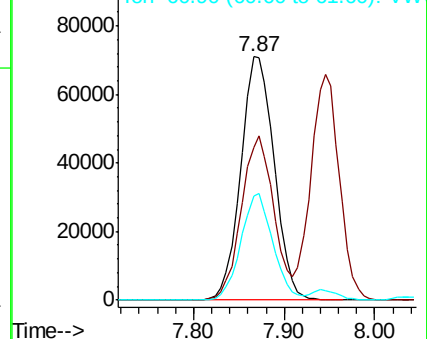
97 100

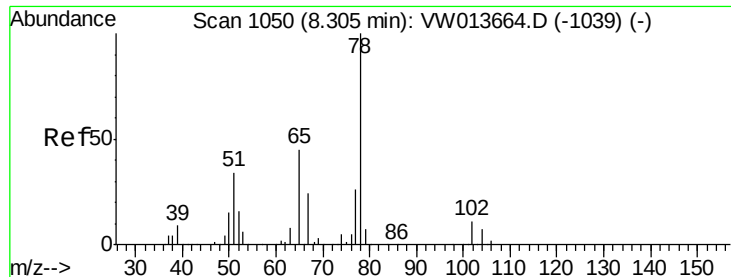
99 65.7 52.0 78.0

61 42.1 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

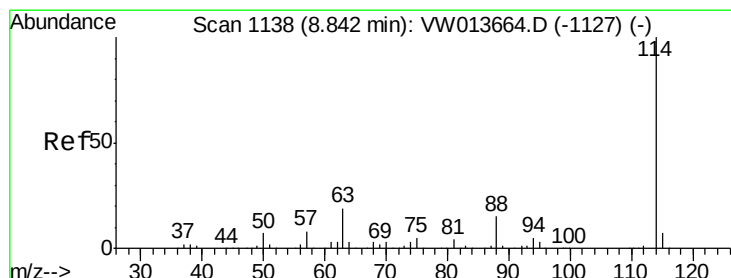
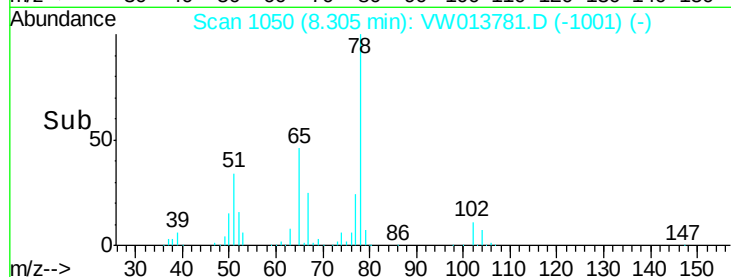
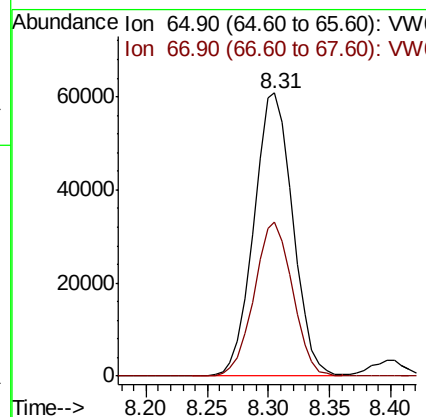
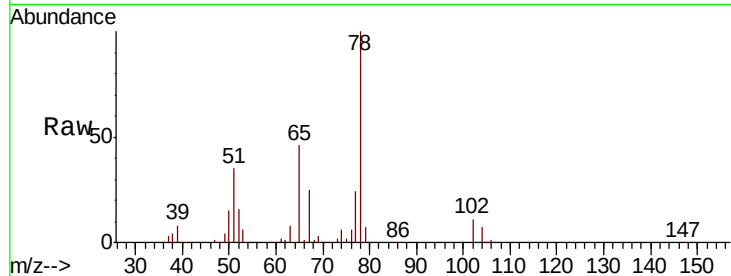




#33
 1,2-Dichloroethane-d4
 Concen: 60.793 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

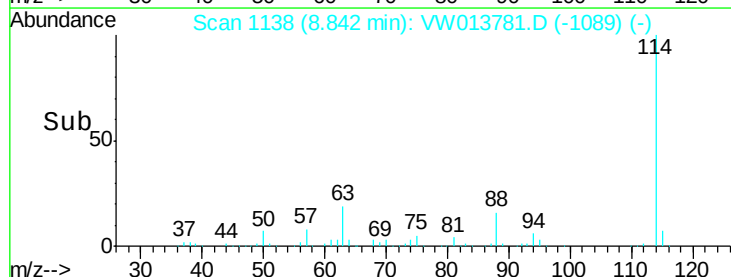
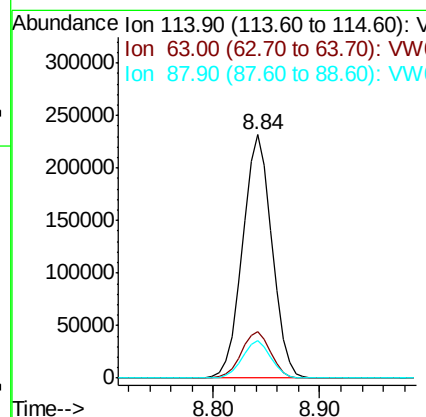
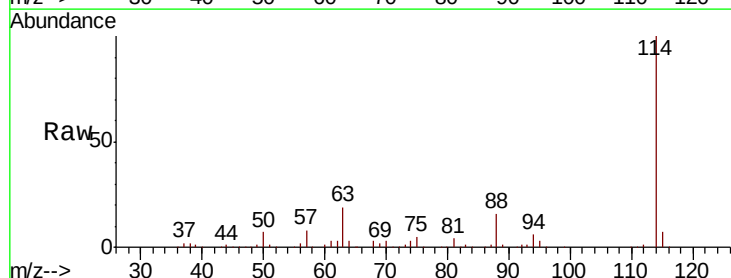
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

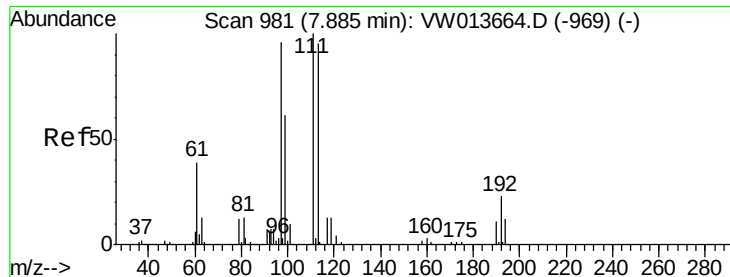
Tot Ion: 65 Resp: 134740
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 114 Resp: 448981
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.6
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 55.059 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

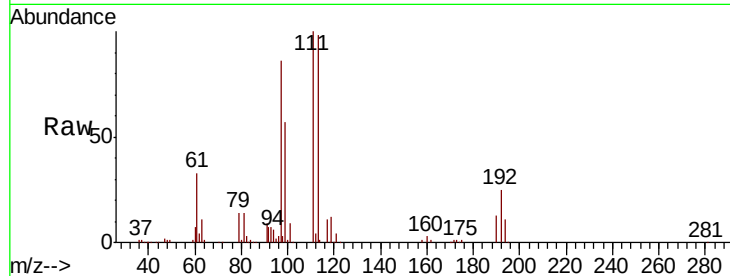
Tot Ion:113 Resp: 137361

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

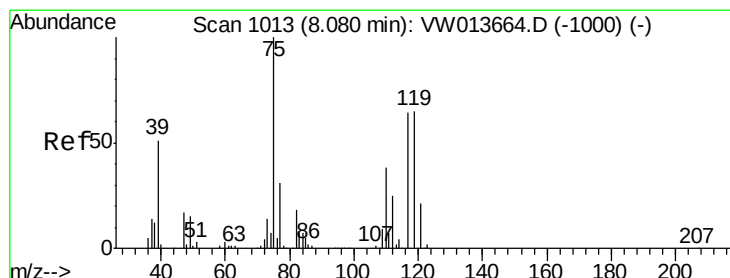
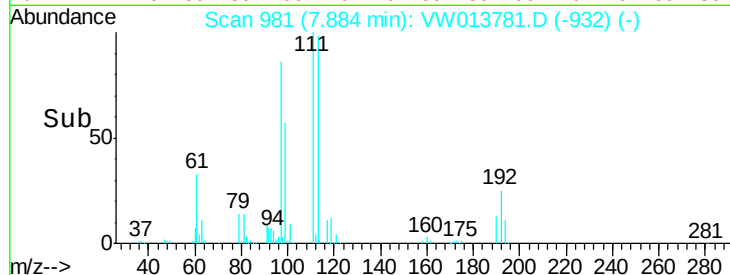
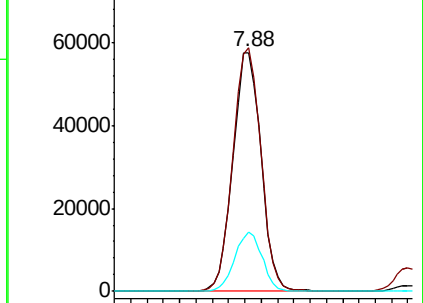
192 24.2 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.144 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

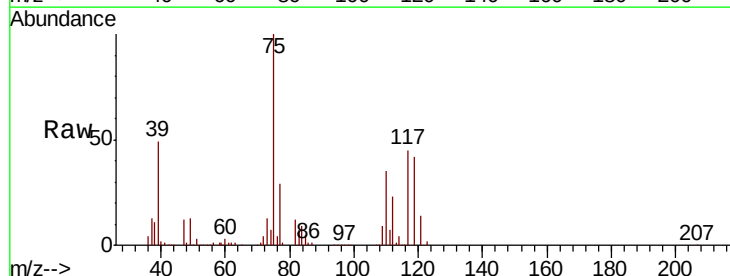
Tgt Ion: 75 Resp: 188764

Ion Ratio Lower Upper

75 100

110 36.6 18.7 56.1

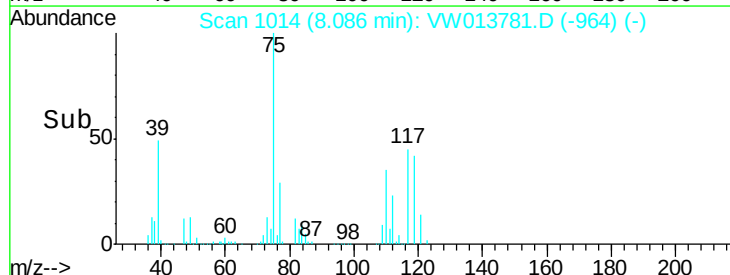
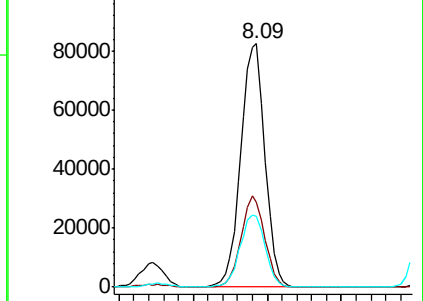
77 30.9 25.4 38.0

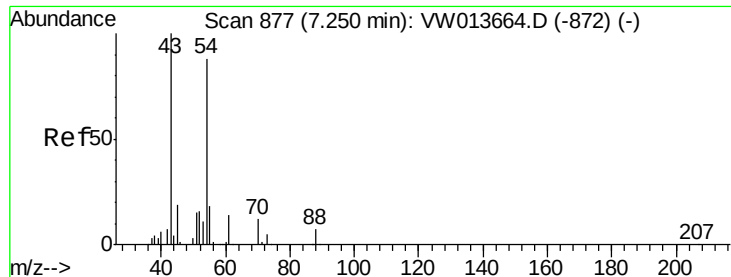


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

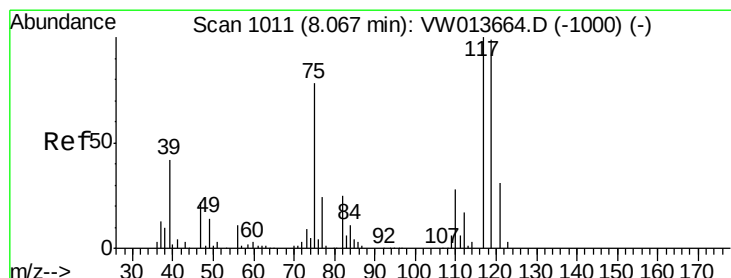
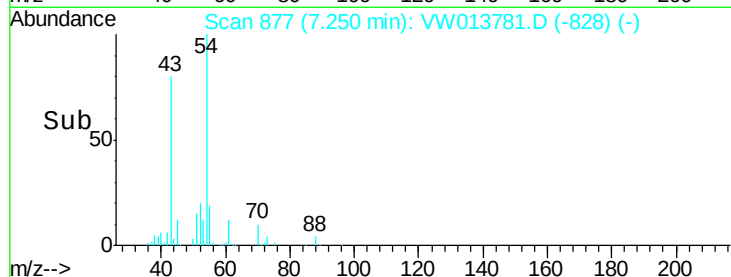
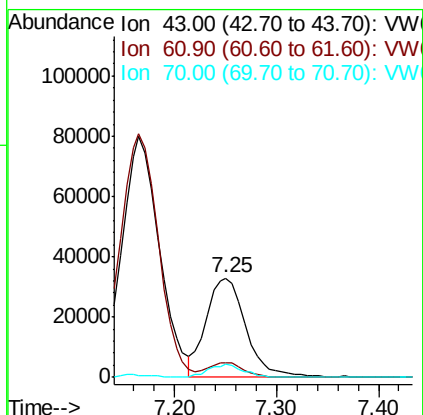
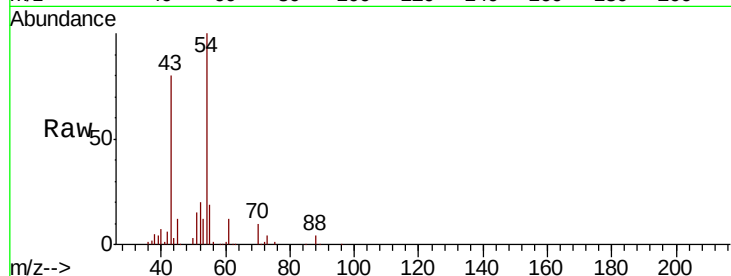




#37
Ethyl Acetate
Concen: 55.049 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

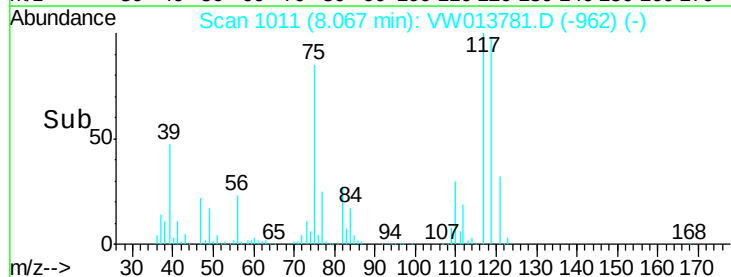
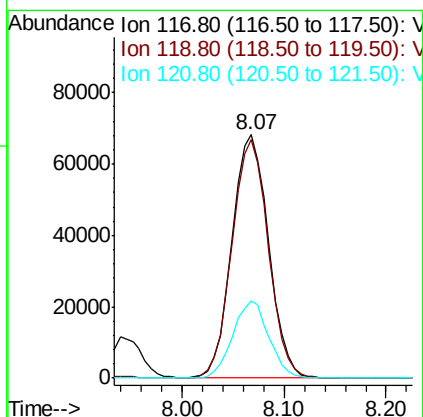
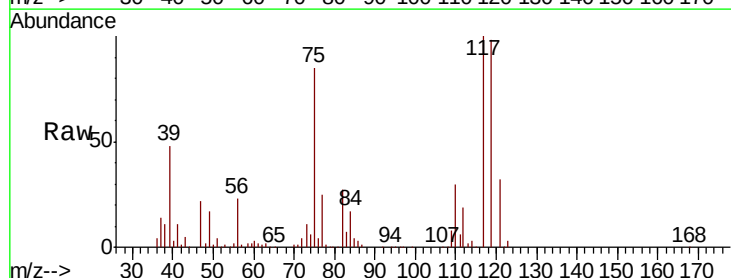
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

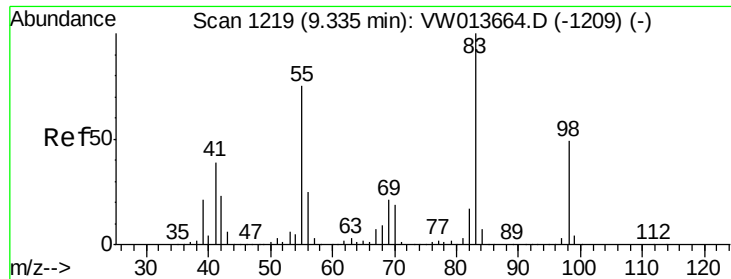
Tot Ion: 43 Resp: 88114
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 45.059 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 117 Resp: 169663
Ion Ratio Lower Upper
117 100
119 98.2 79.0 118.4
121 31.5 24.5 36.7

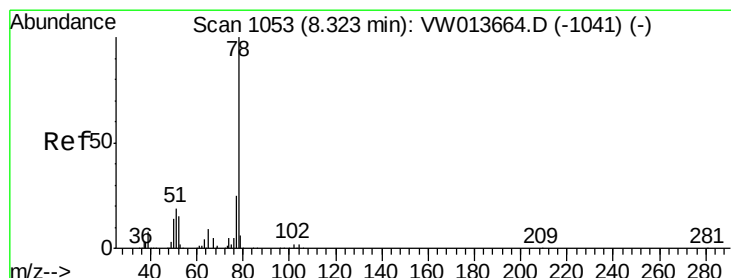
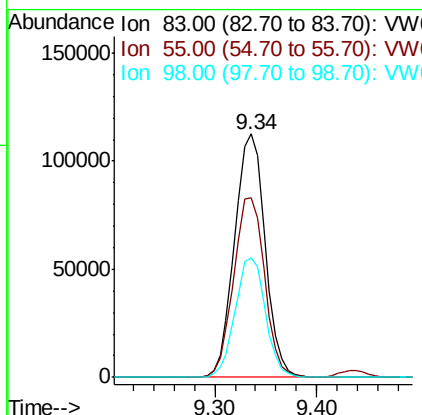
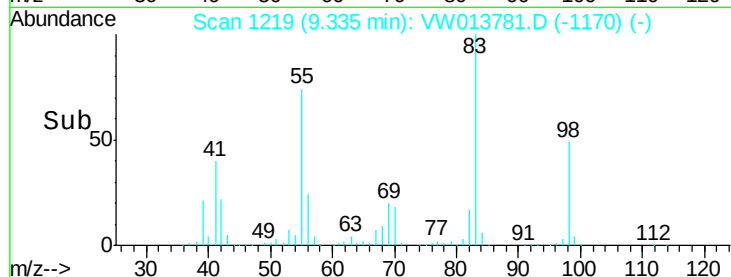
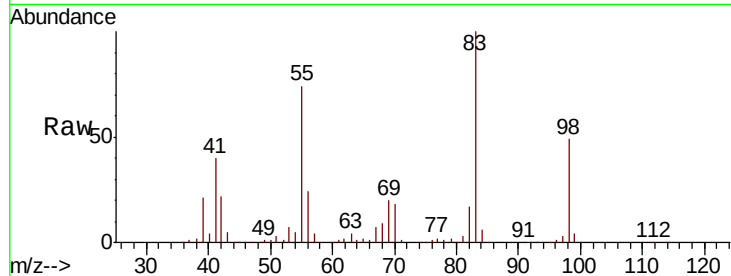




#39
Methylvlcyclohexane
Concen: 43.409 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

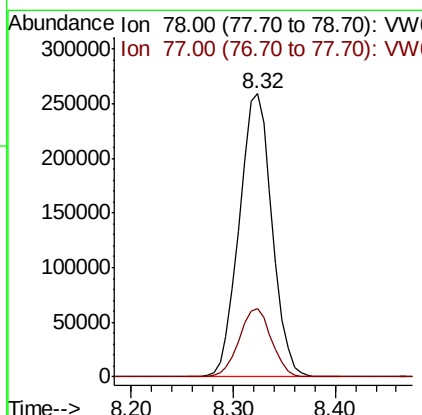
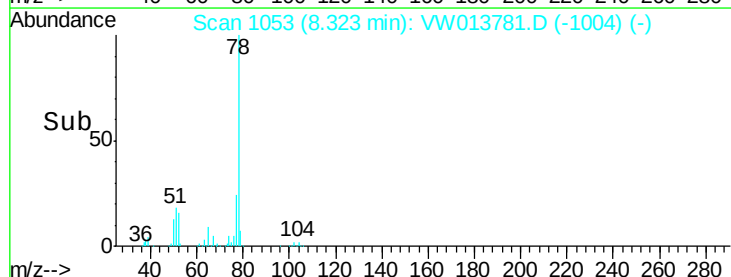
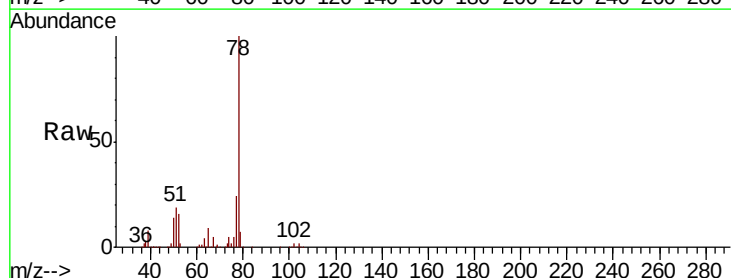
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

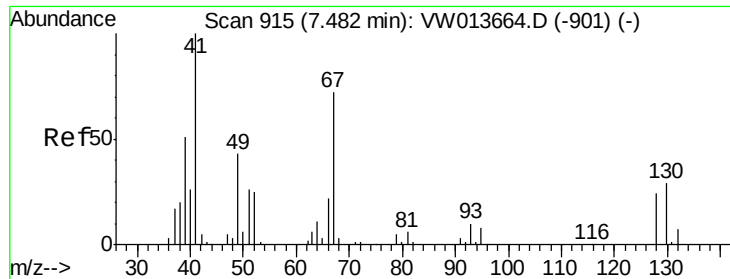
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.9	89.9
98	49.1	39.4	59.2



#40
Benzene
Concen: 48.861 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4

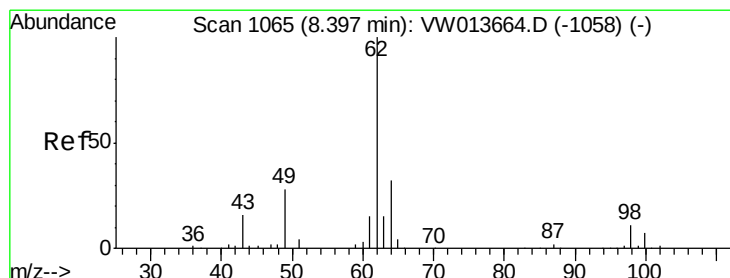
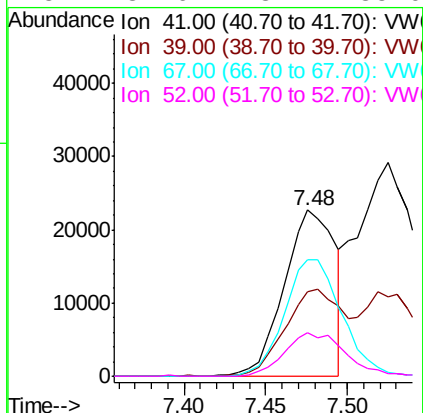
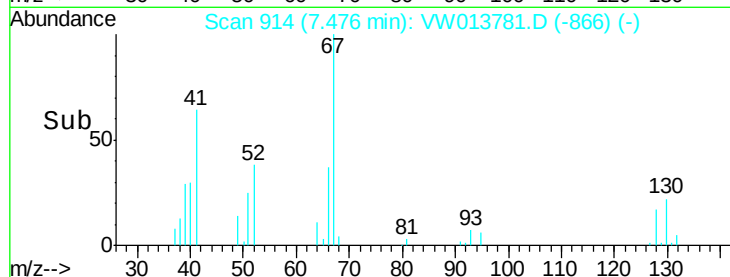
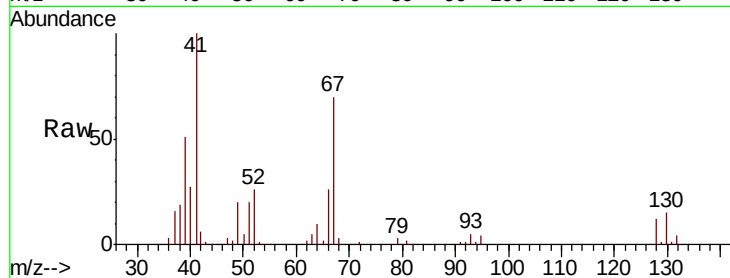




#41
Methacrylonitrile
Concen: 49.217 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

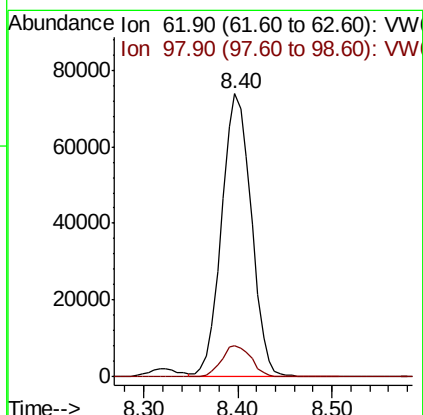
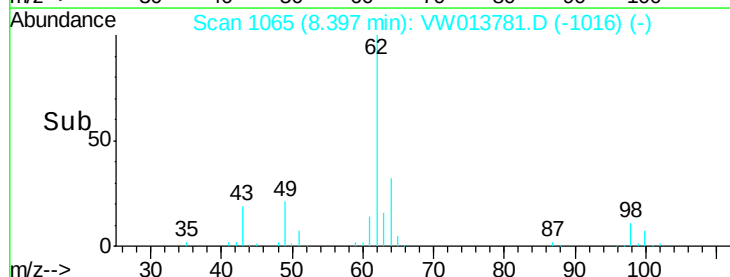
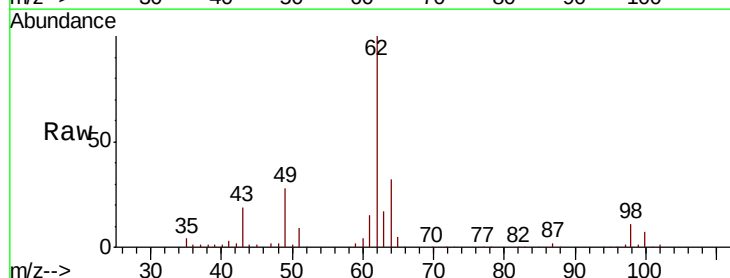
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

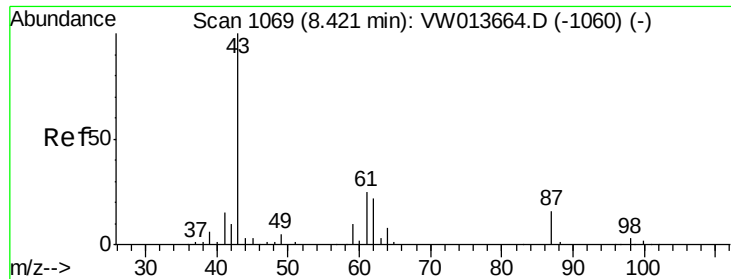
Tot Ion:	41	Resp:	49125
Ion	Ratio	Lower	Upper
41	100		
39	58.6	44.8	67.2
67	79.1	59.3	88.9
52	31.6	23.4	35.0



#42
1,2-Dichloroethane
Concen: 54.085 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:	62	Resp:	161279
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.4





#43

Isopropyl Acetate

Concen: 56.821 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

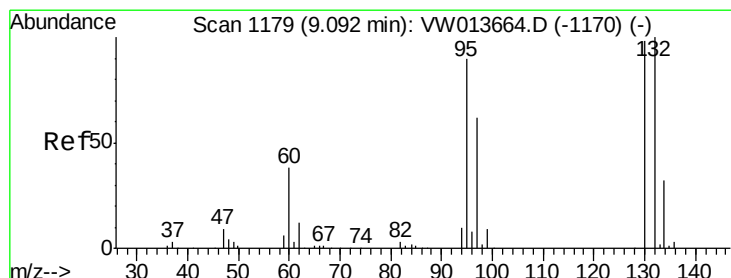
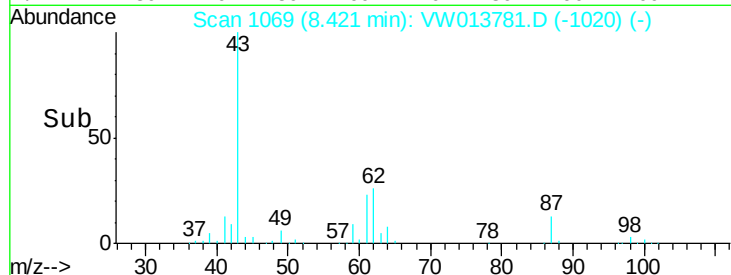
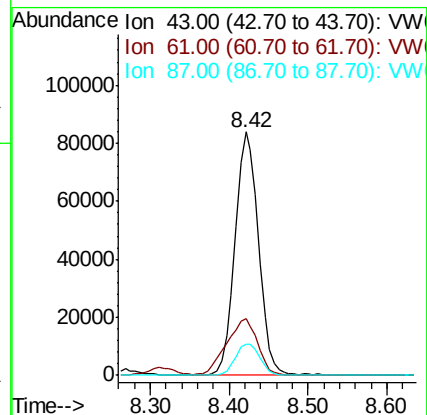
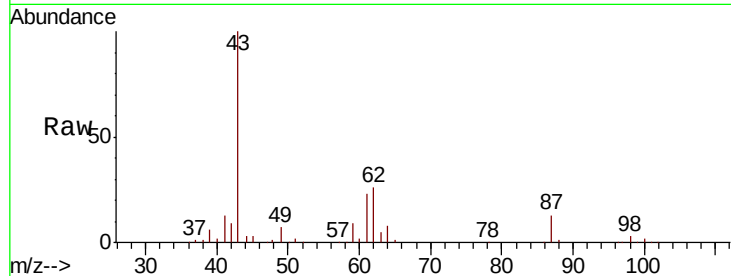
Tot Ion: 43 Resp: 174092

Ion Ratio Lower Upper

43 100

61 30.8 26.1 39.1

87 13.6 11.4 17.0



#44

Trichloroethene

Concen: 47.594 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013781.D

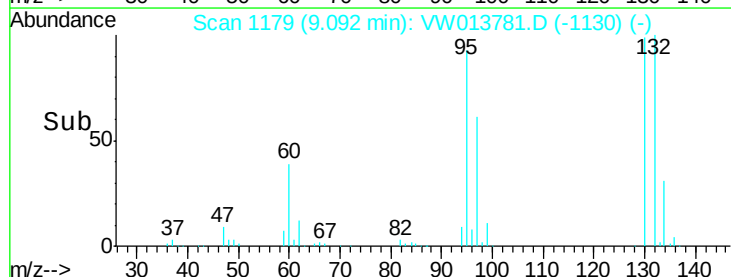
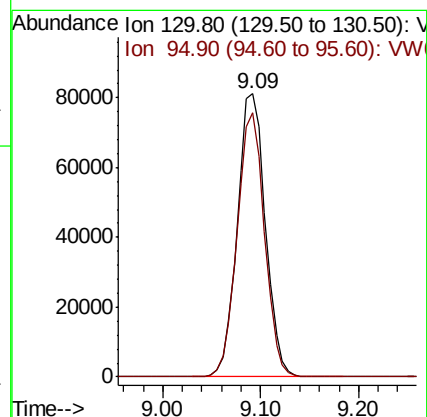
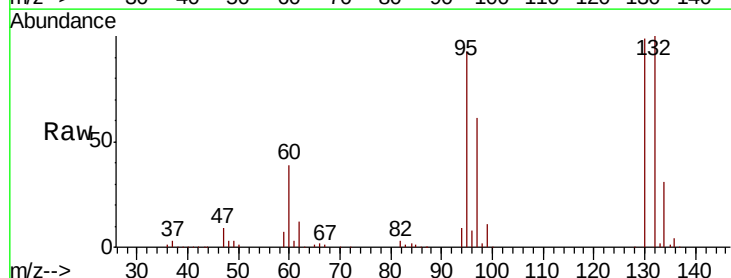
Acq: 28 Oct 2019 21:35

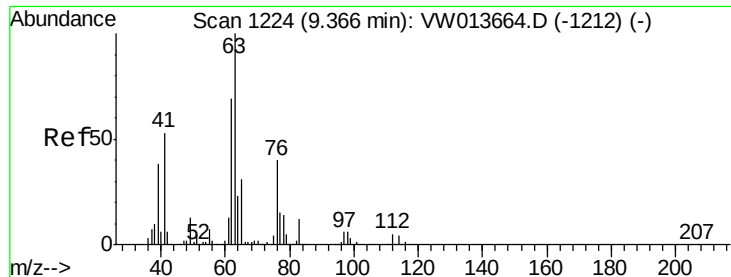
Tgt Ion: 130 Resp: 161328

Ion Ratio Lower Upper

130 100

95 93.3 0.0 184.6

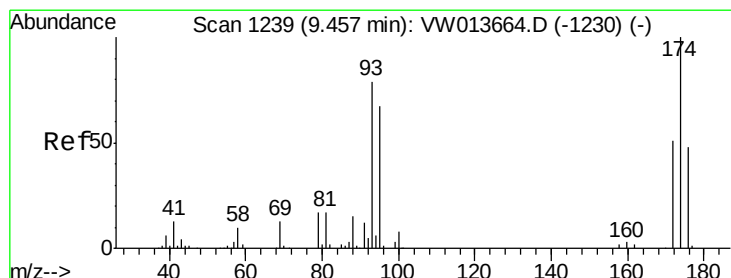
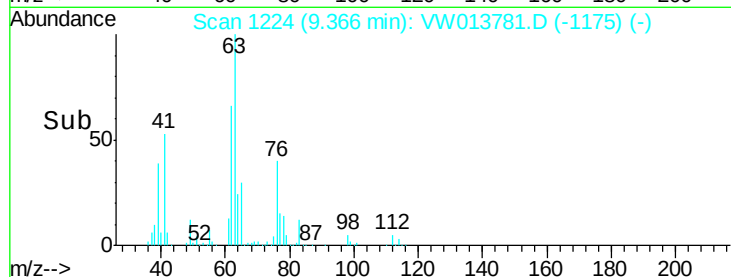
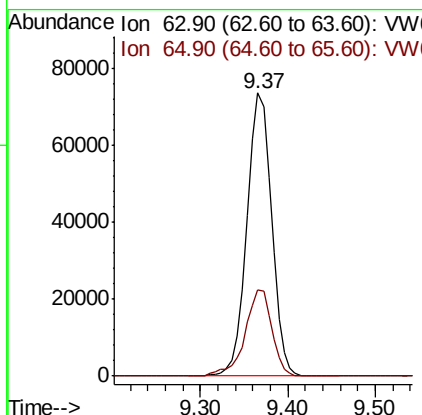
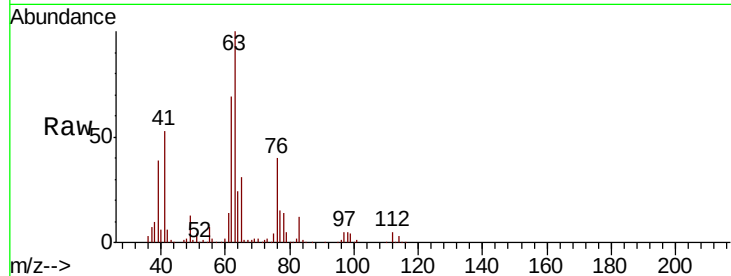




#45
 1,2-Dichloropropane
 Concen: 51.290 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

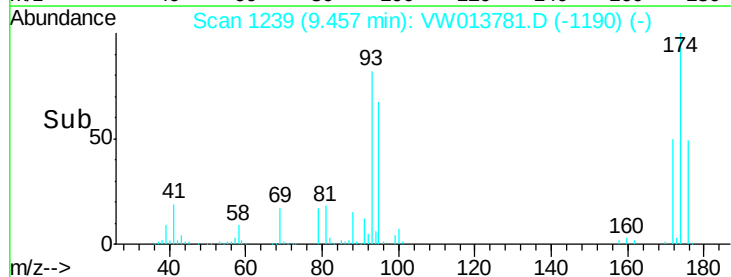
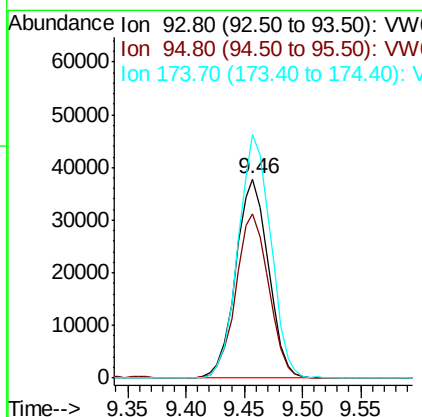
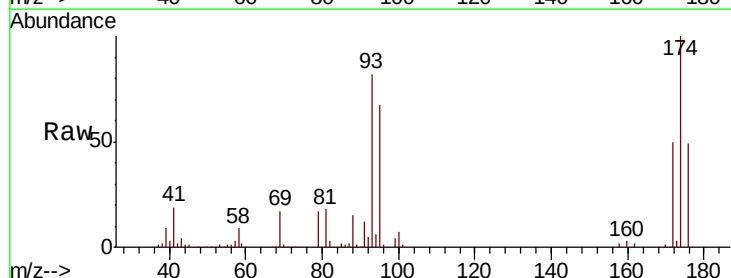
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

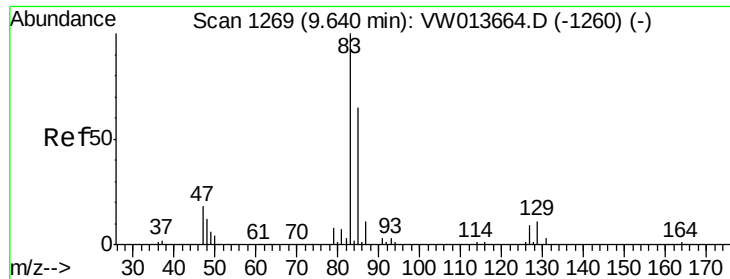
Tot Ion: 63 Resp: 144971
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.2 37.8



#46
 Dibromomethane
 Concen: 53.974 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 93 Resp: 74045
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 122.1 99.6 149.4

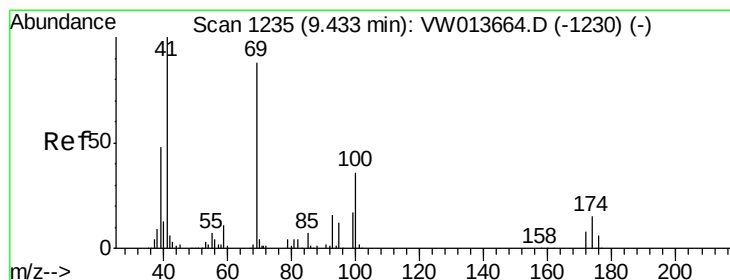
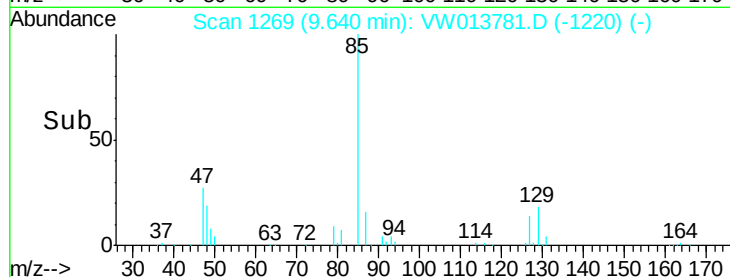
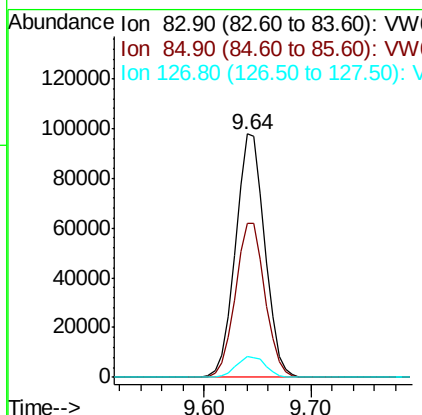
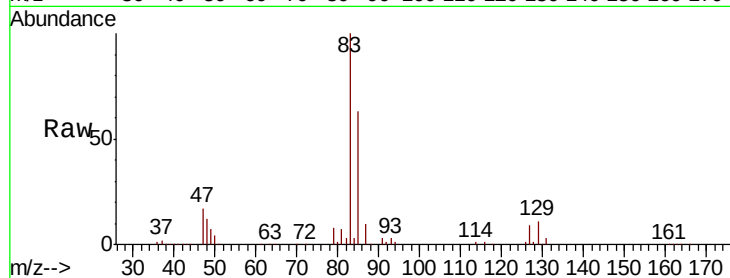




#47
 Bromodichloromethane
 Concen: 53.116 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

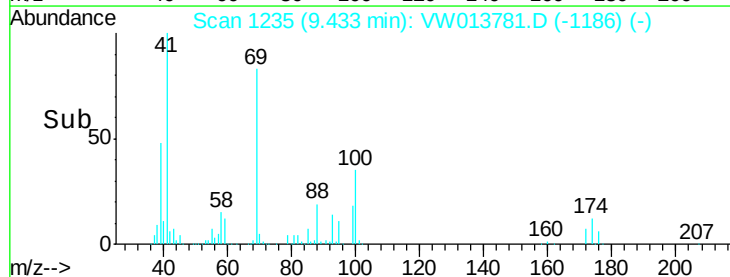
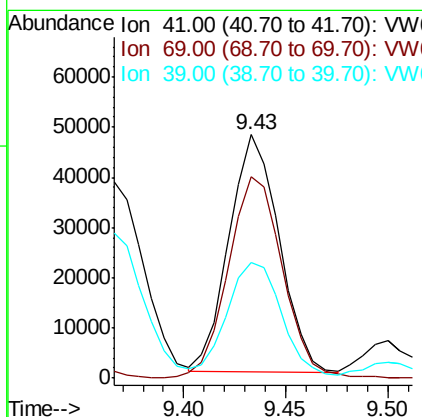
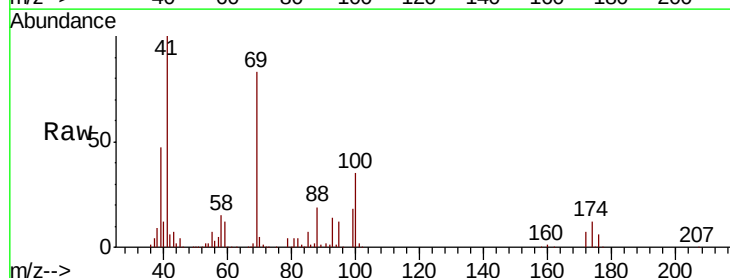
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

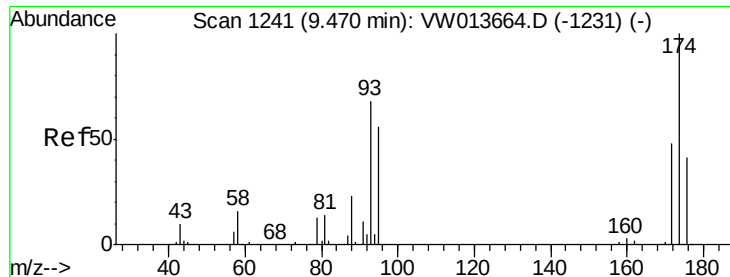
Tot Ion: 83 Resp: 188539
 Ion Ratio Lower Upper
 83 100
 85 63.2 51.8 77.6
 127 8.7 7.3 10.9



#48
 Methyl methacrylate
 Concen: 52.765 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 41 Resp: 80169
 Ion Ratio Lower Upper
 41 100
 69 92.7 67.6 101.4
 39 54.1 38.6 58.0





#49

1,4-Dioxane

Concen: 1276.546 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

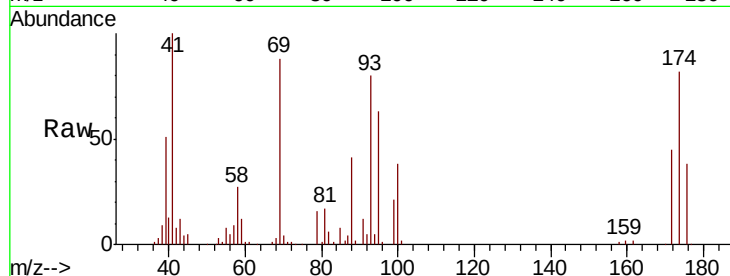
Tot Ion: 88 Resp: 25878

Ion Ratio Lower Upper

88 100

43 29.9 0.0 0.0#

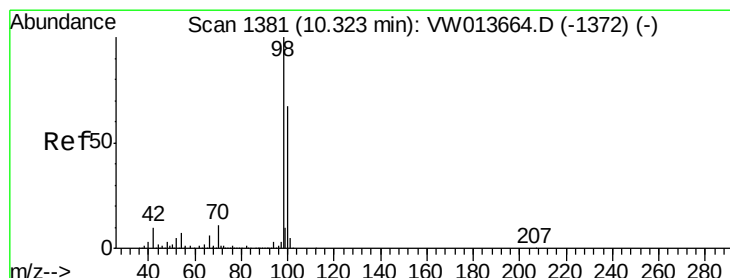
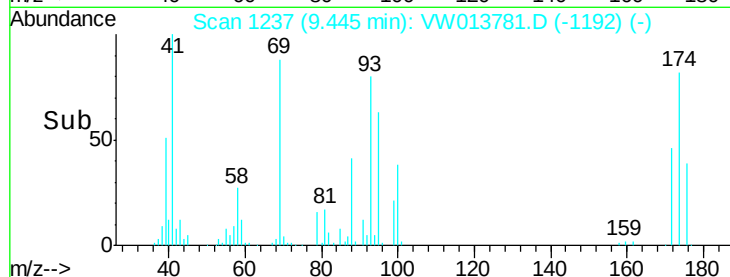
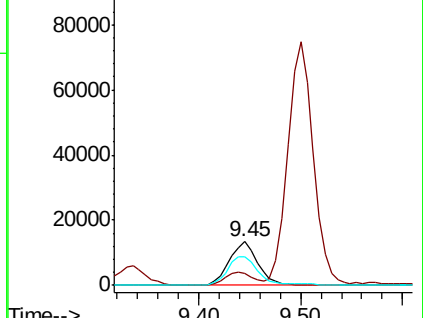
58 68.6 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.083 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013781.D

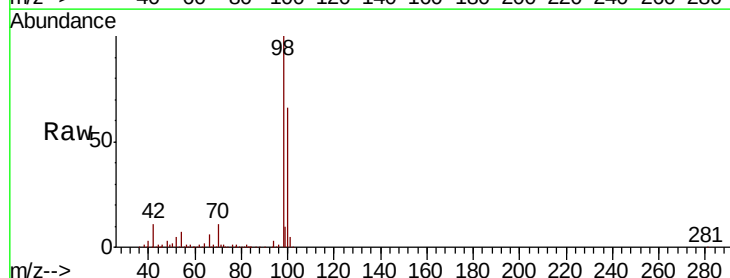
Acq: 28 Oct 2019 21:35

Tgt Ion: 98 Resp: 539620

Ion Ratio Lower Upper

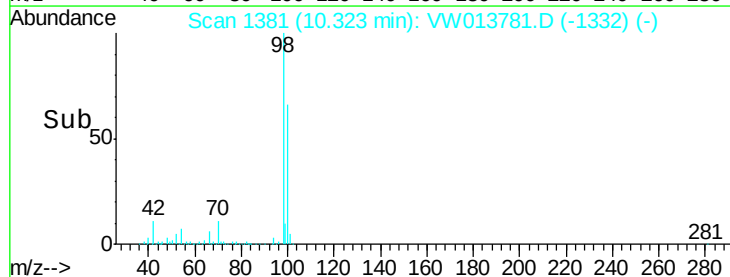
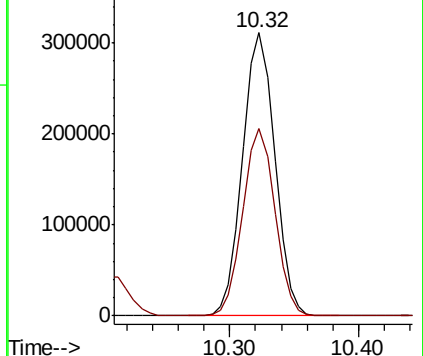
98 100

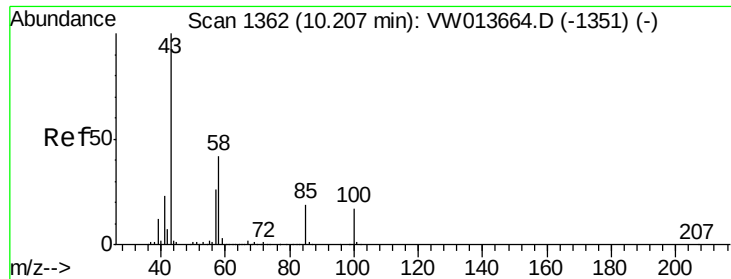
100 66.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 289.070 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

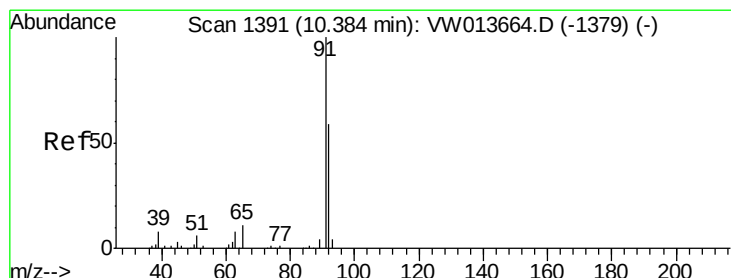
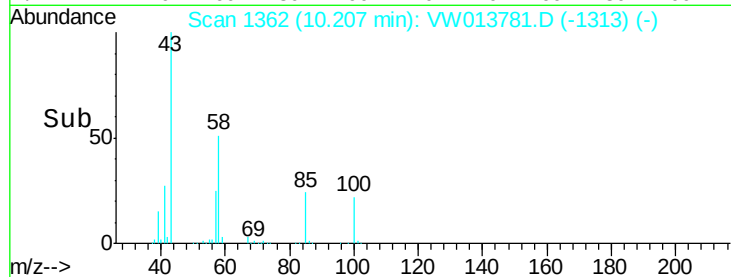
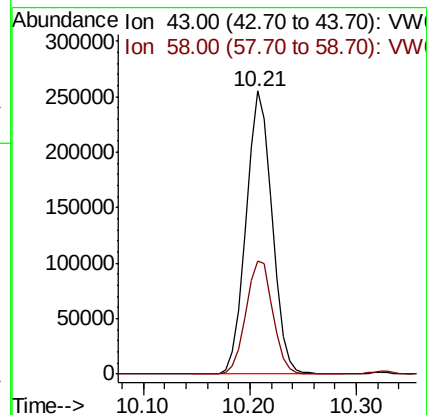
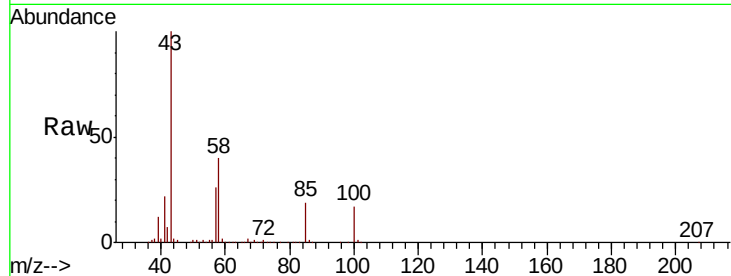
VSTDCCC050EC

Tot Ion: 43 Resp: 440101

Ion Ratio Lower Upper

43 100

58 41.2 32.6 49.0



#52

Toluene

Concen: 49.134 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013781.D

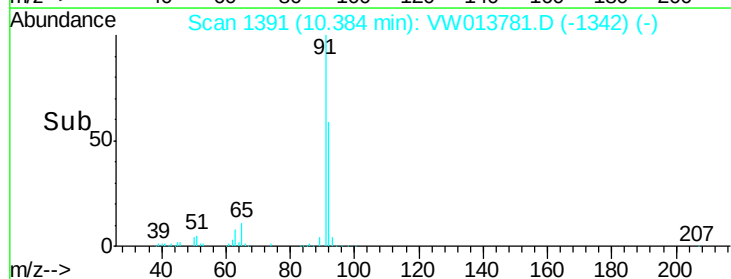
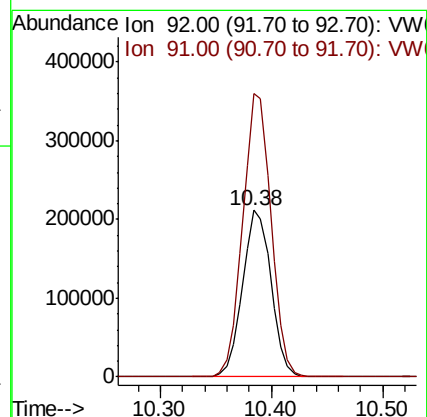
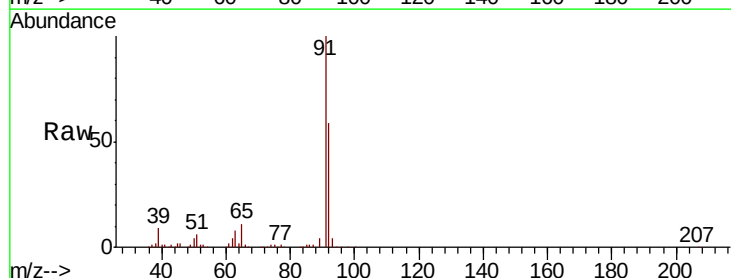
Acq: 28 Oct 2019 21:35

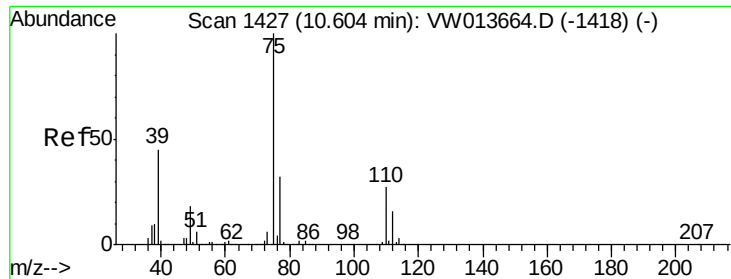
Tgt Ion: 92 Resp: 375039

Ion Ratio Lower Upper

92 100

91 169.0 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 53.604 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

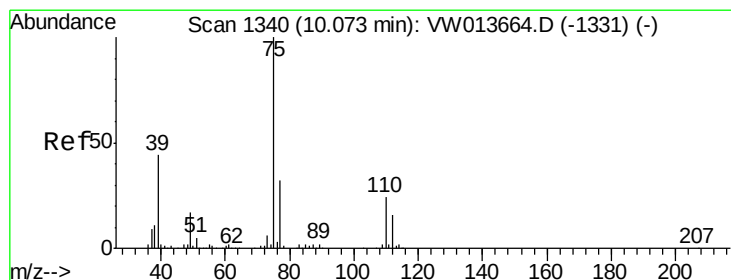
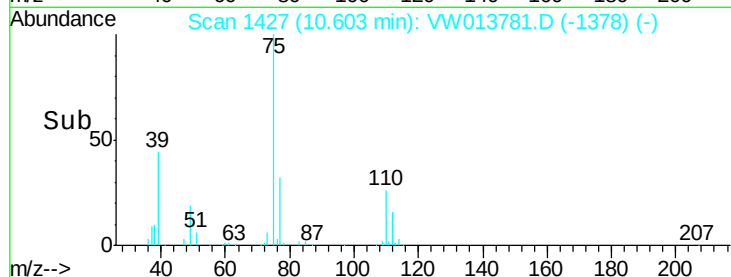
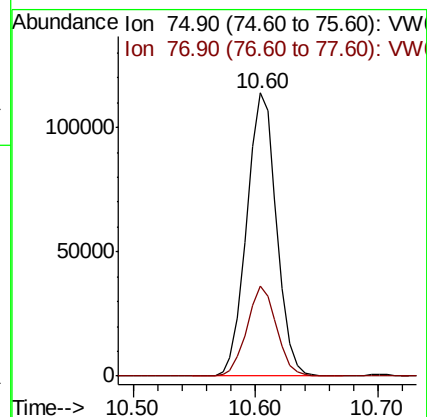
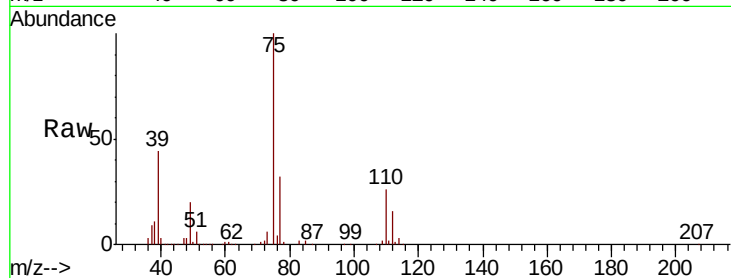
VSTDCCC050EC

Tot Ion: 75 Resp: 192617

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.671 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

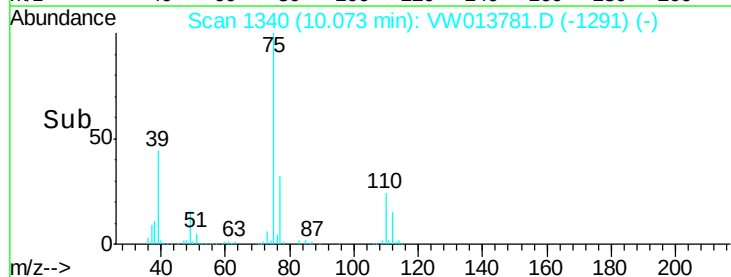
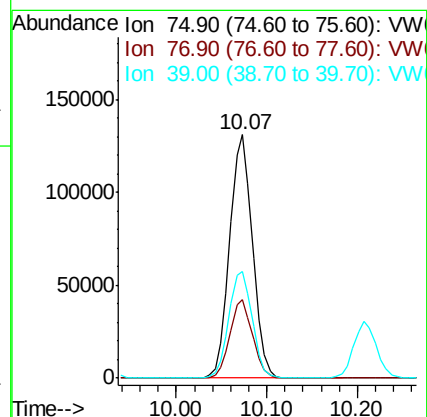
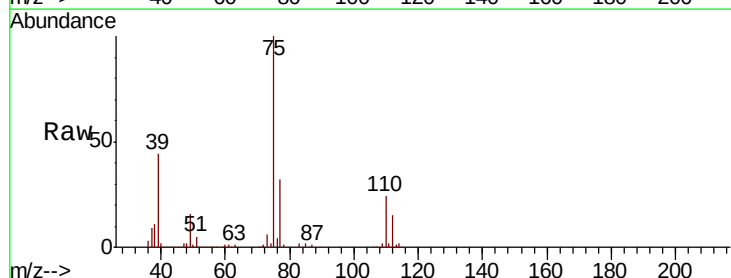
Tgt Ion: 75 Resp: 229076

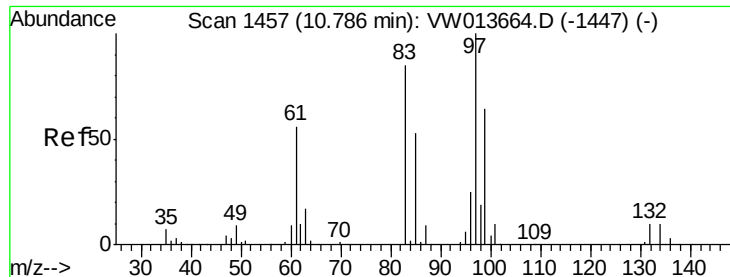
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 44.0 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 53.643 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 109675

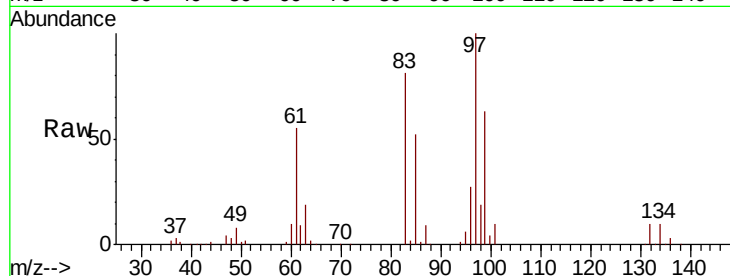
Ion Ratio Lower Upper

97 100

83 81.4 67.8 101.8

85 51.8 42.1 63.1

99 62.8 51.4 77.0

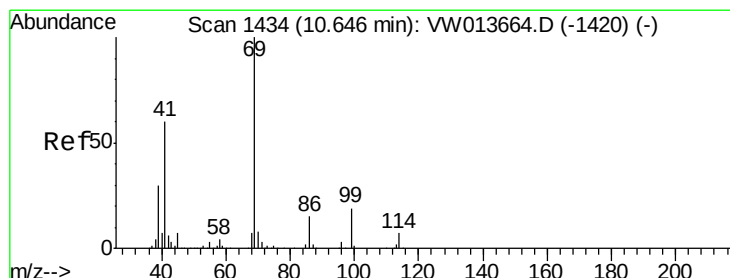
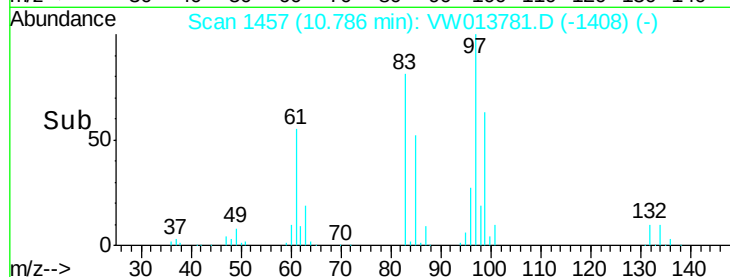
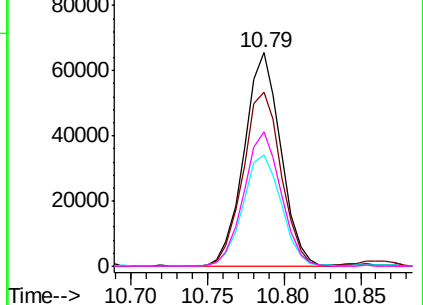


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 57.447 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

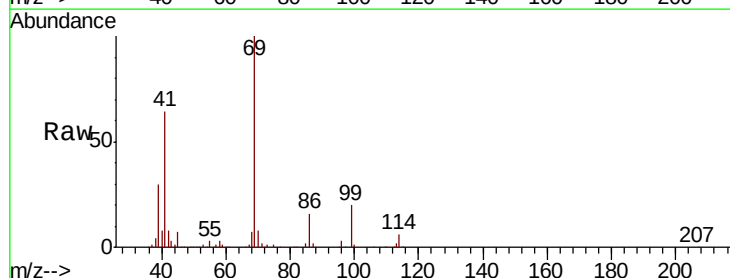
Tgt Ion: 69 Resp: 146947

Ion Ratio Lower Upper

69 100

41 66.0 51.6 77.4

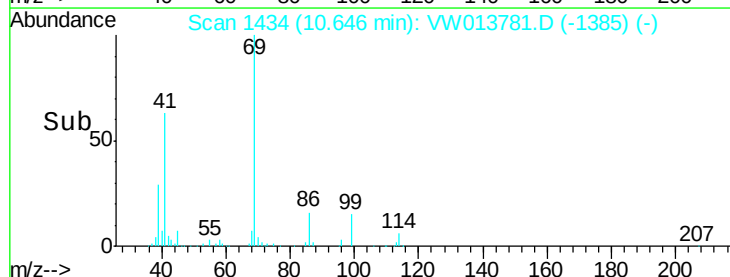
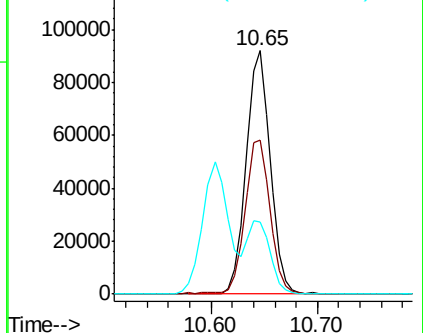
39 28.8 22.4 33.6

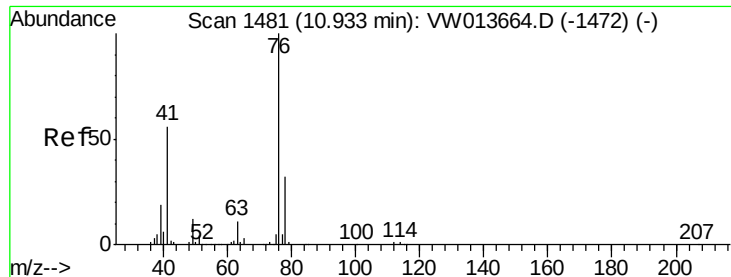


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

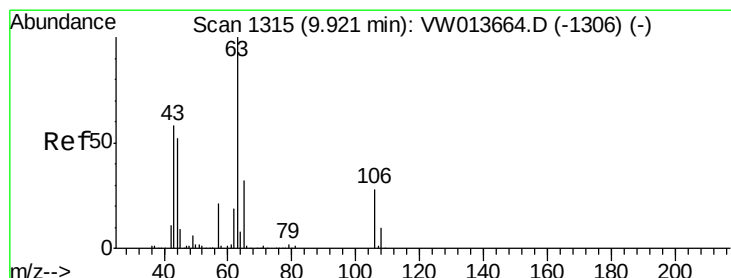
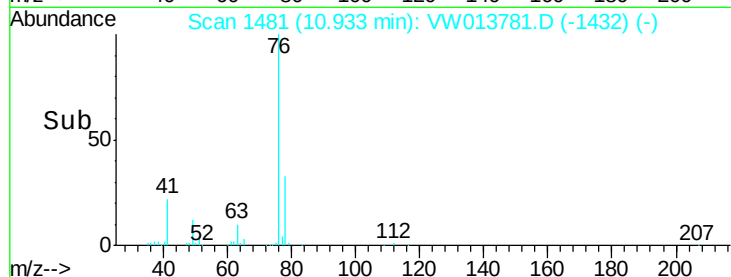
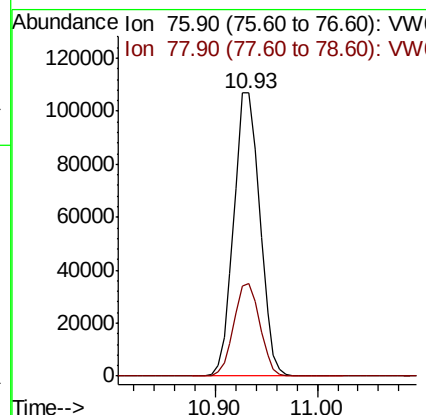
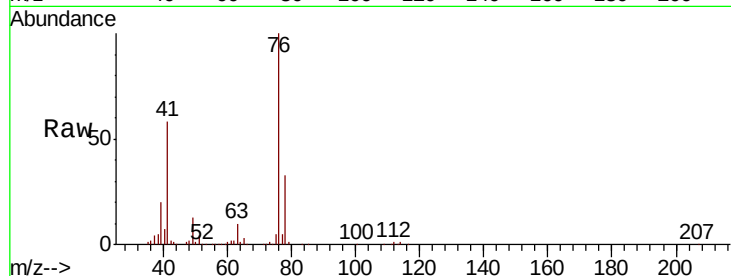




#57
 1,3-Dichloropropane
 Concen: 53.876 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

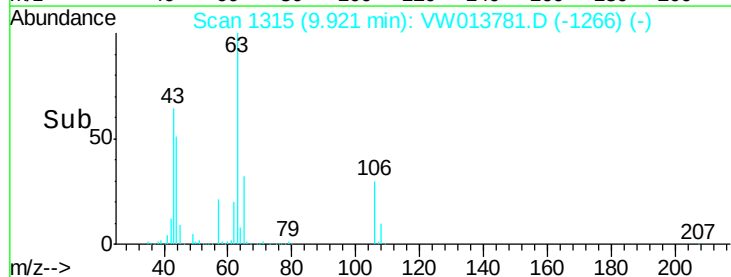
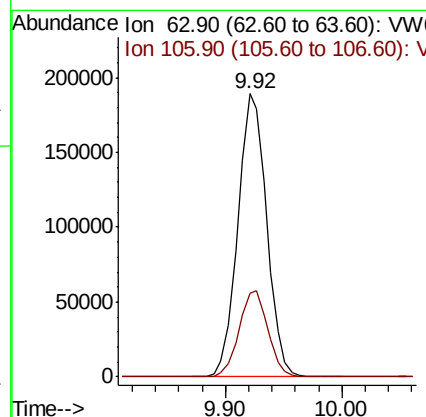
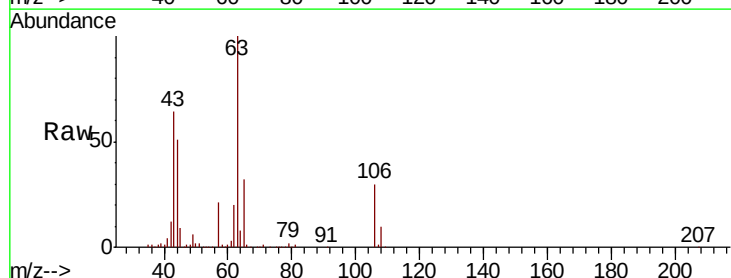
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

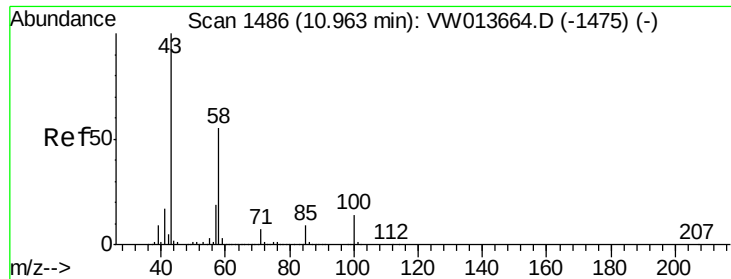
Tot Ion: 76 Resp: 189025
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.734 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 63 Resp: 325790
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.8

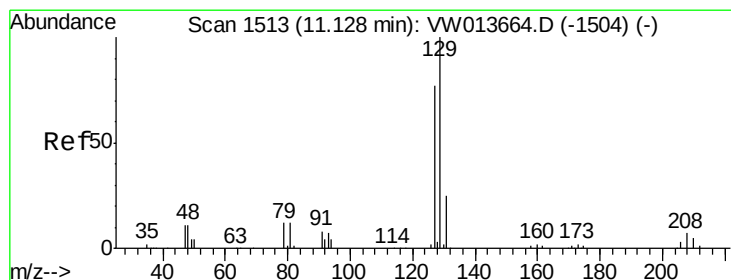
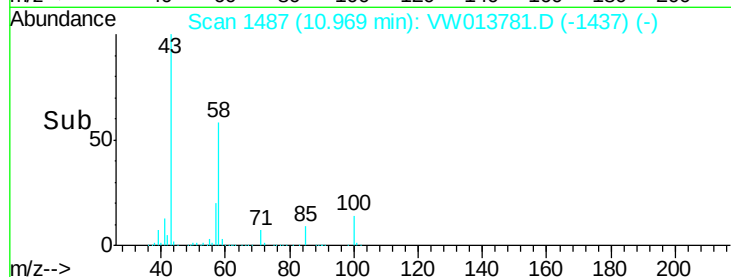
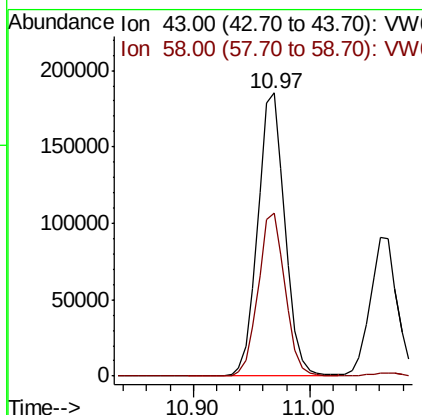
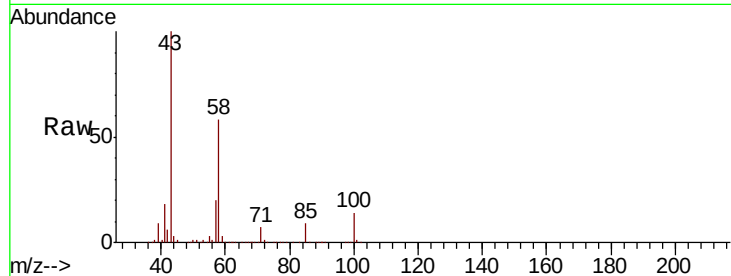




#59
2-Hexanone
Concen: 287.190 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

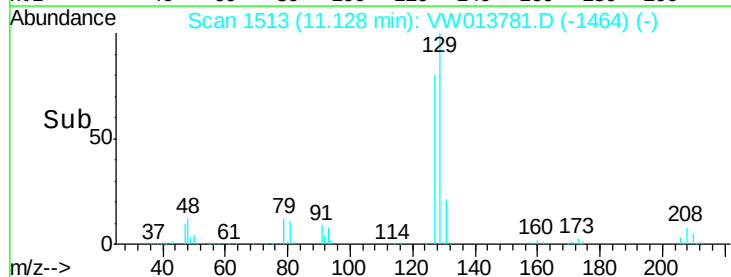
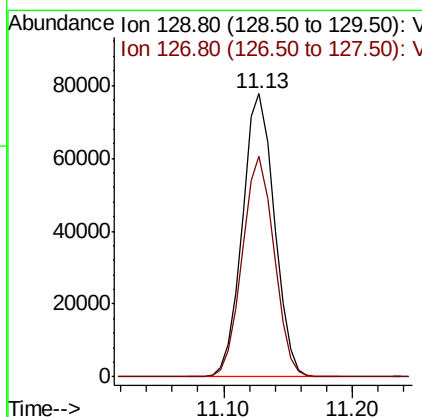
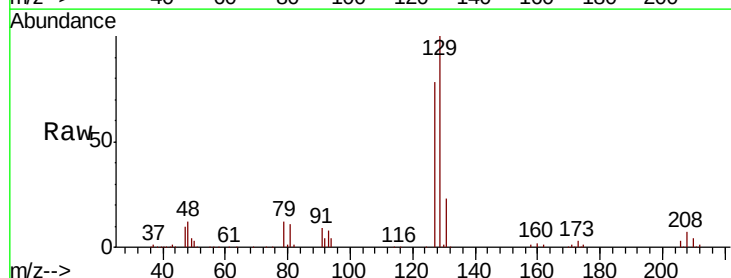
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

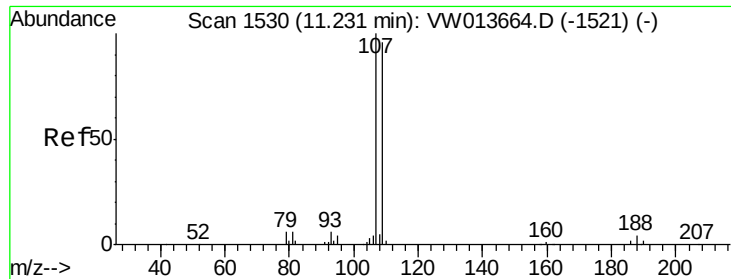
Tot Ion: 43 Resp: 301431
Ion Ratio Lower Upper
43 100
58 57.2 27.9 83.7



#60
Dibromochloromethane
Concen: 54.947 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 129 Resp: 133383
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

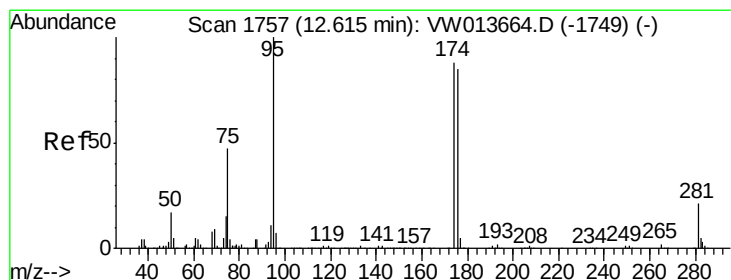
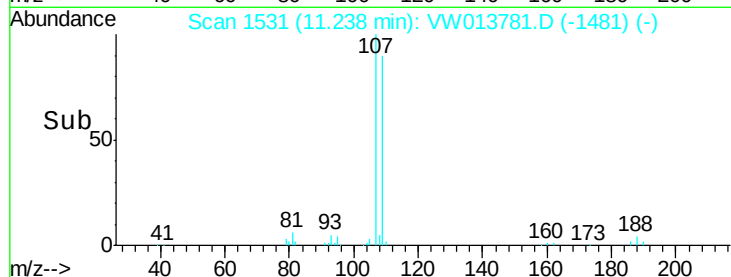
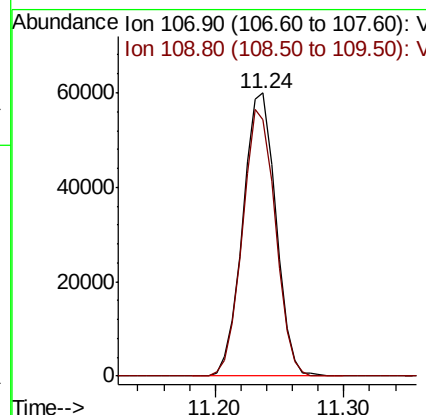
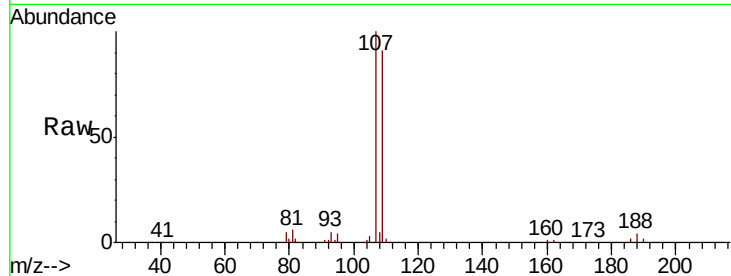




#61
 1,2-Dibromoethane
 Concen: 54.933 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

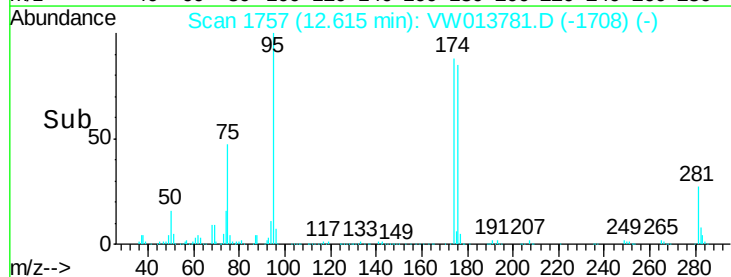
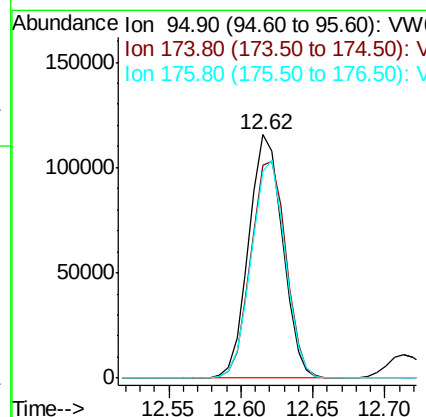
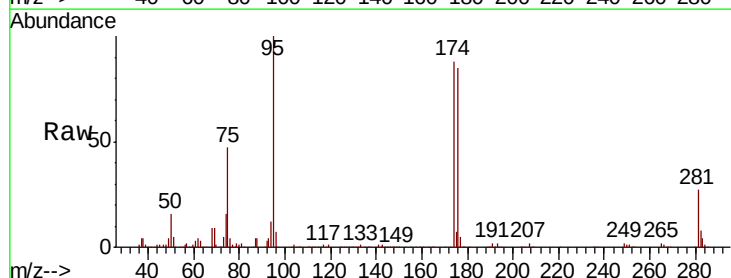
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

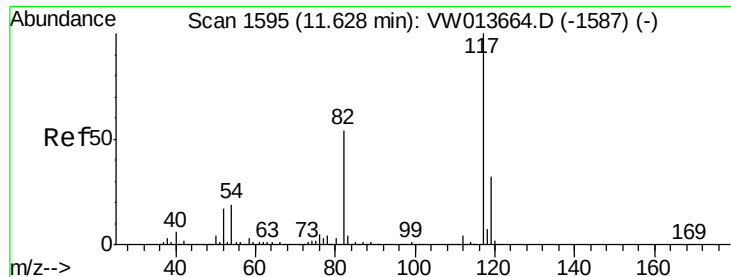
Tot Ion:107 Resp: 106255
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 54.595 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 95 Resp: 187922
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 89.7 0.0 178.0

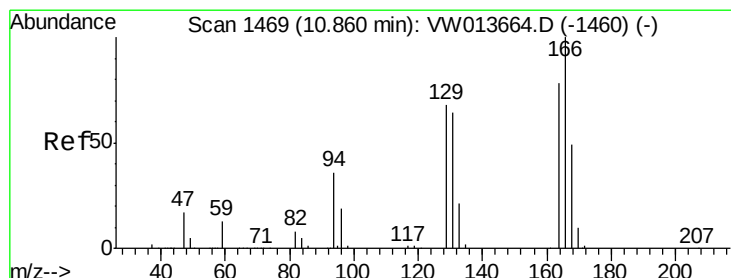
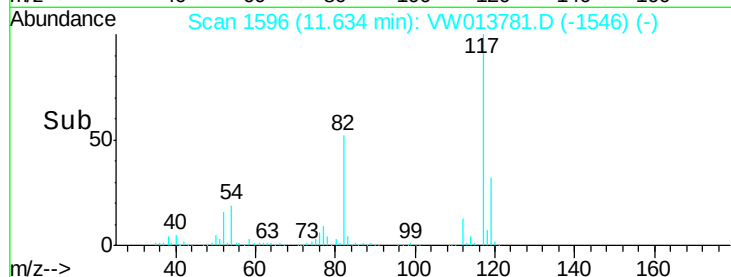
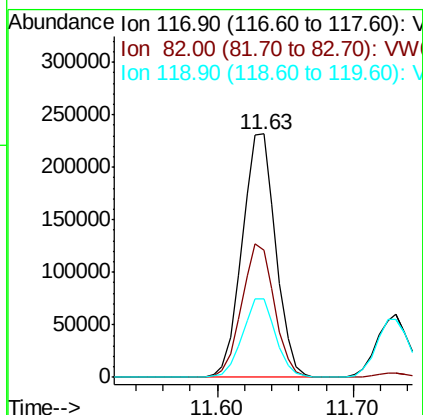
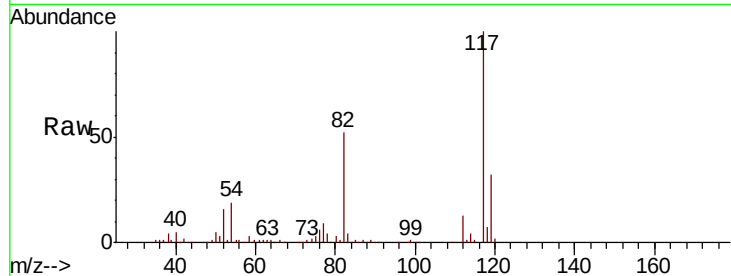




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

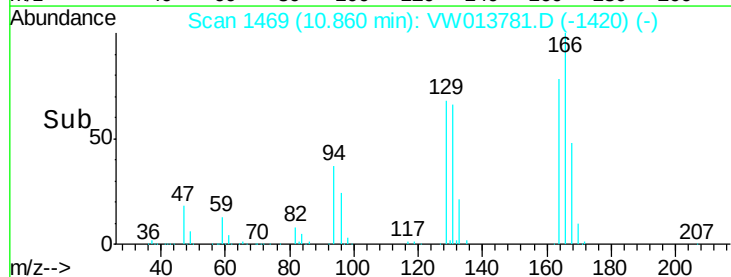
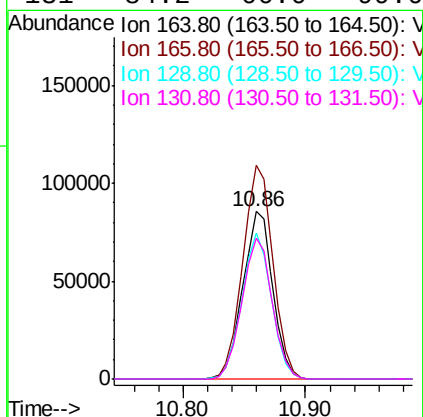
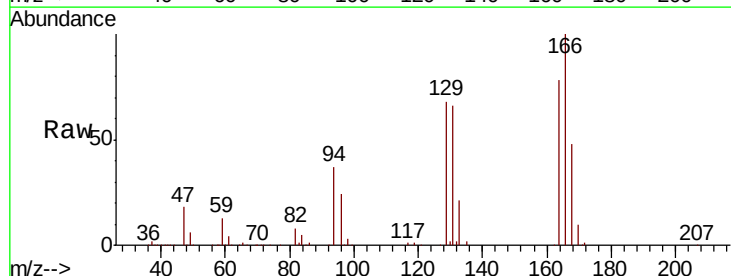
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

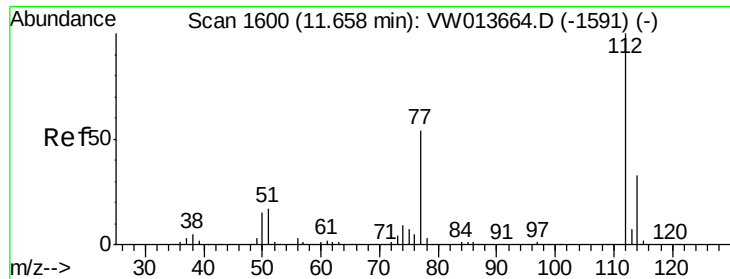
Tot Ion:117 Resp: 399670
Ion Ratio Lower Upper
117 100
82 52.1 43.6 65.4
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 47.556 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:164 Resp: 145220
Ion Ratio Lower Upper
164 100
166 127.4 103.2 154.8
129 87.1 70.6 105.8
131 84.2 66.0 99.0

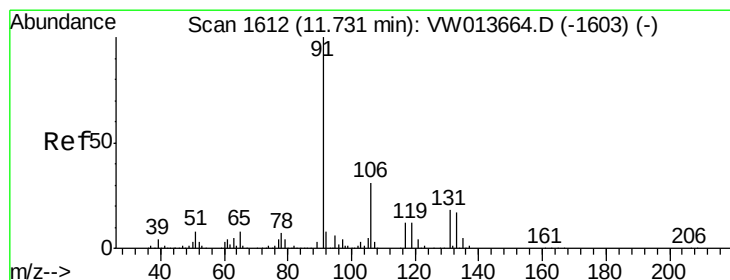
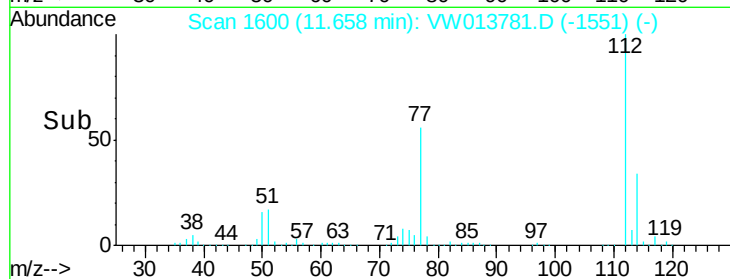
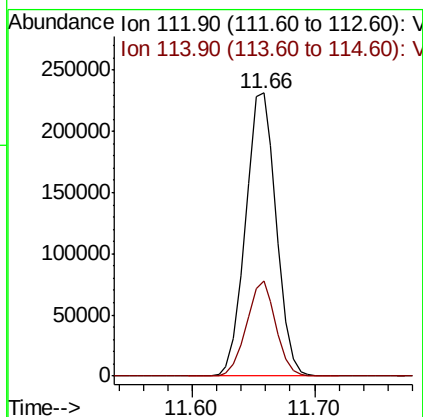
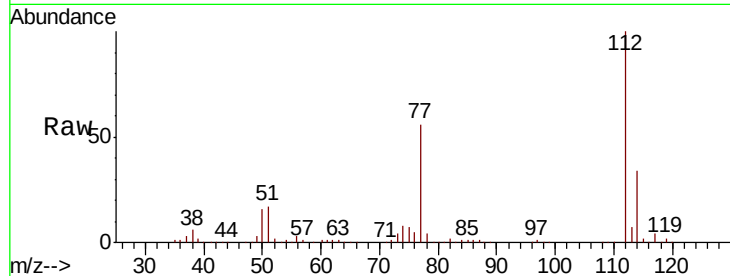




#65
Chlorobenzene
Concen: 48.955 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

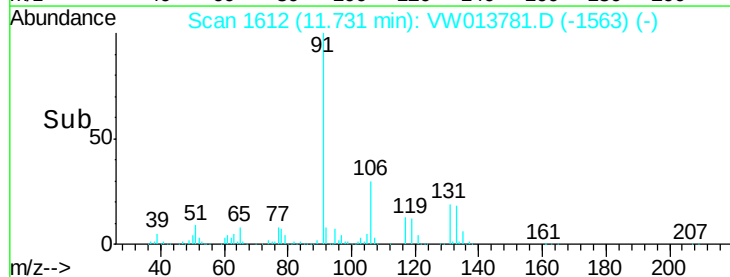
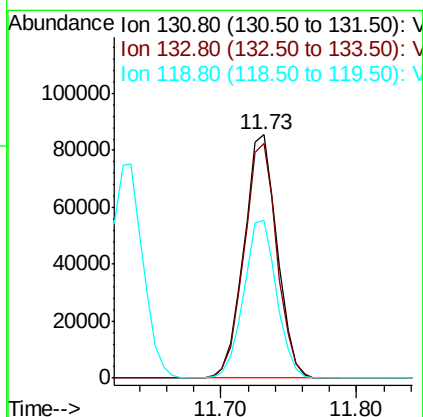
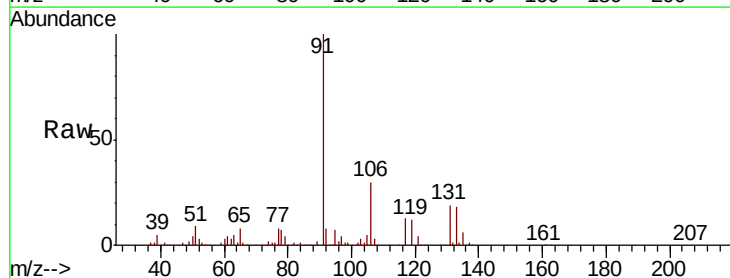
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

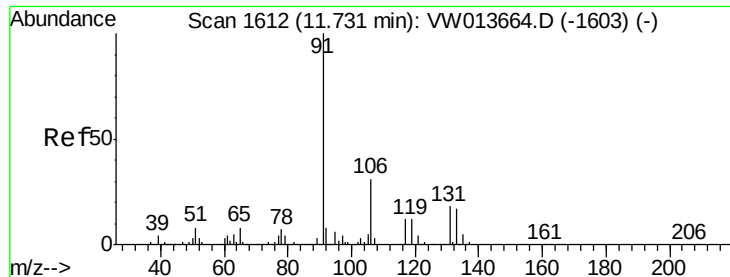
Tot Ion:112 Resp: 402060
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.888 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:131 Resp: 145859
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 64.3 33.1 99.2





#67

Ethyl Benzene

Concen: 47.625 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

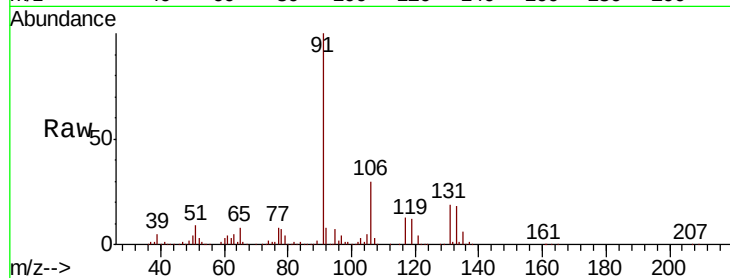
VSTDCCC050EC

Tot Ion: 91 Resp: 705297

Ion Ratio Lower Upper

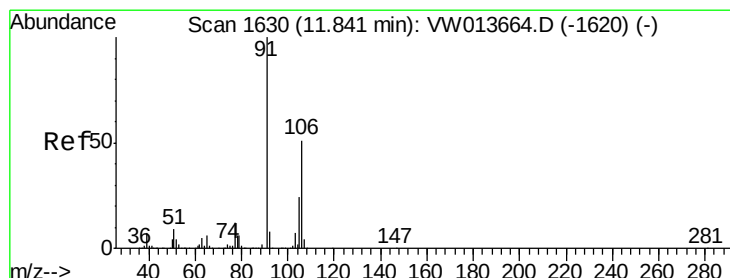
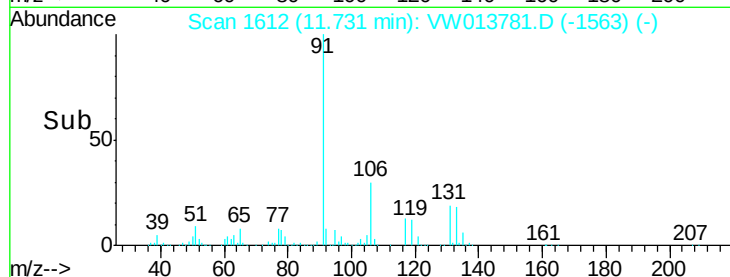
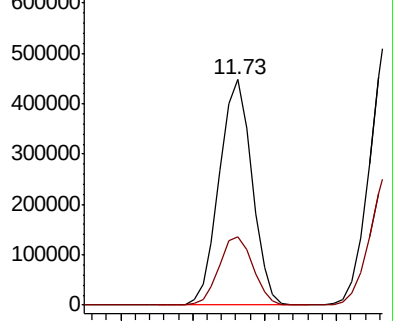
91 100

106 30.2 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.272 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013781.D

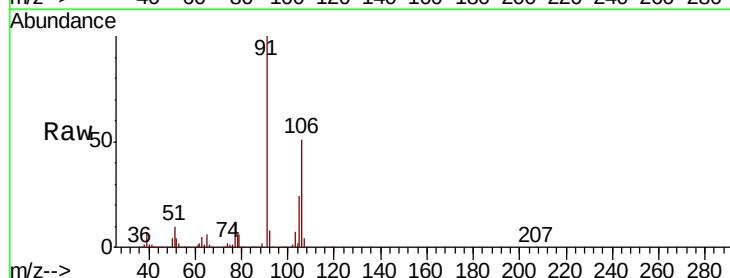
Acq: 28 Oct 2019 21:35

Tgt Ion: 106 Resp: 545108

Ion Ratio Lower Upper

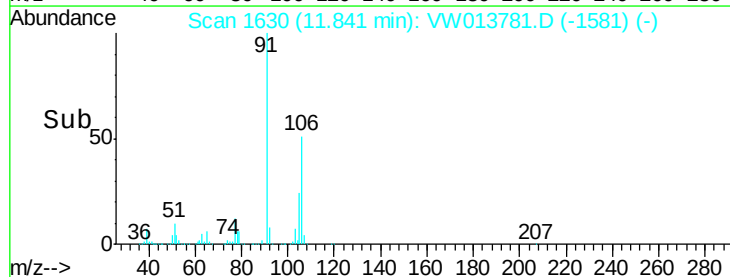
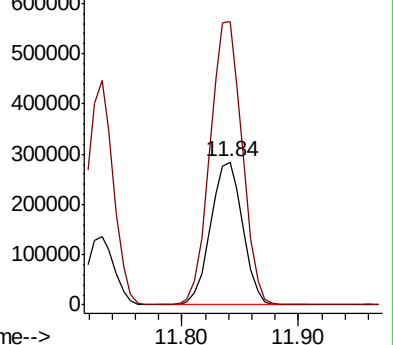
106 100

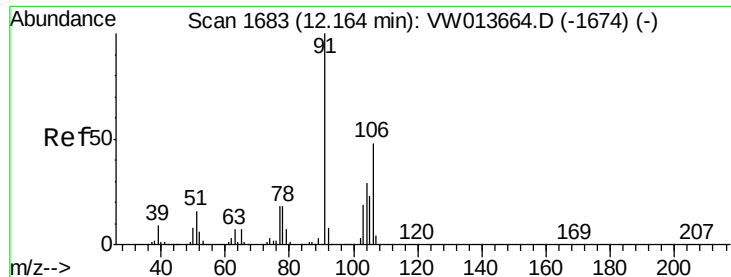
91 199.1 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

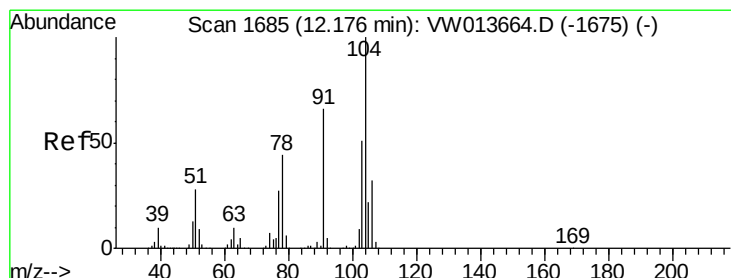
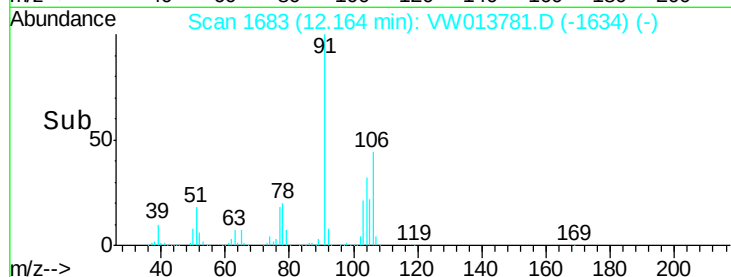
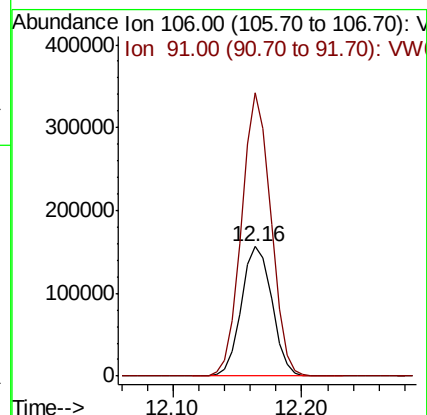
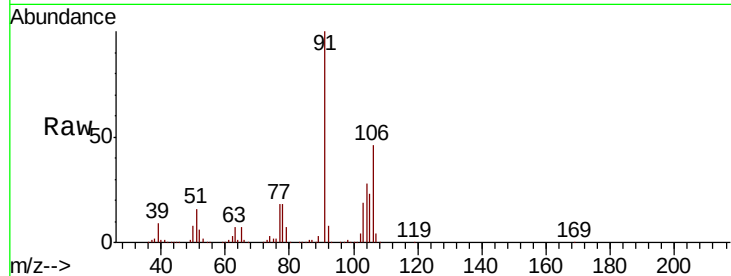




#69
o-Xylene
Concen: 48.815 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

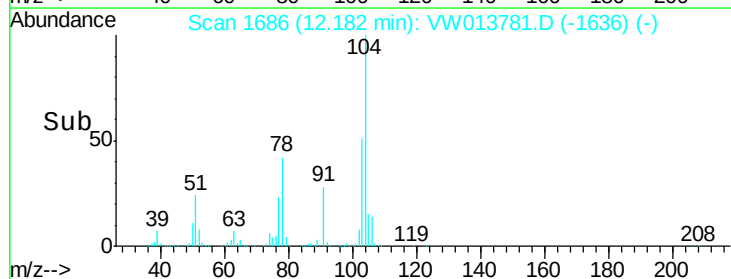
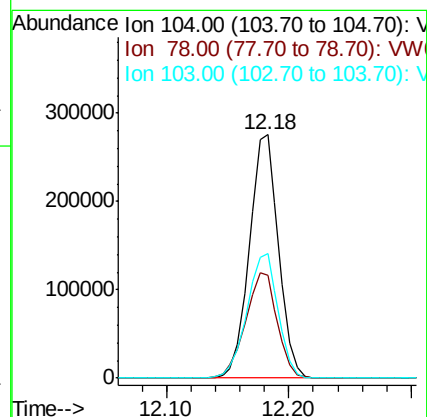
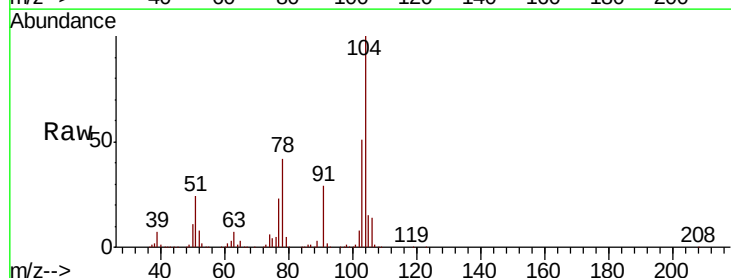
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

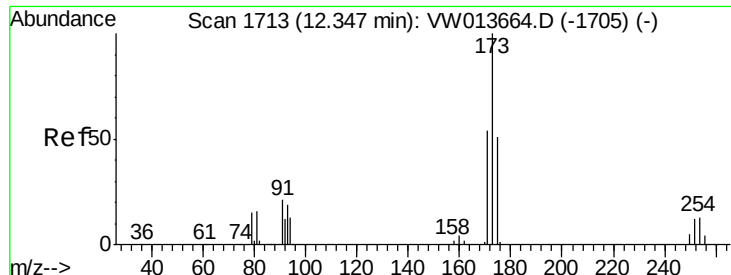
Tot Ion:106 Resp: 256725
Ion Ratio Lower Upper
106 100
91 210.0 104.9 314.7



#70
Styrene
Concen: 50.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:104 Resp: 455675
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 54.8 43.6 65.4





#71

Bromoform

Concen: 53.544 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

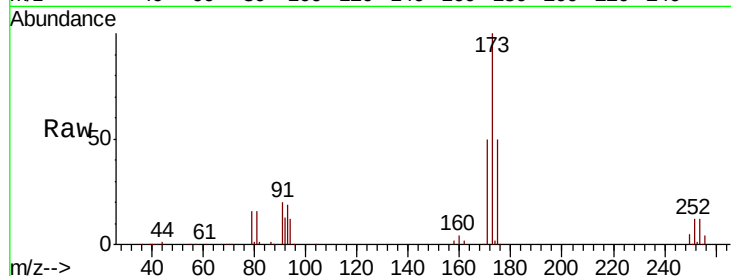
Tot Ion:173 Resp: 80540

Ion Ratio Lower Upper

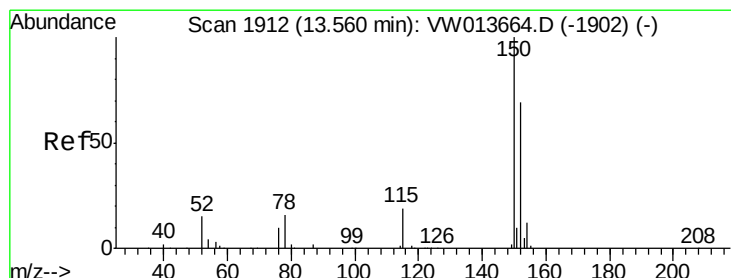
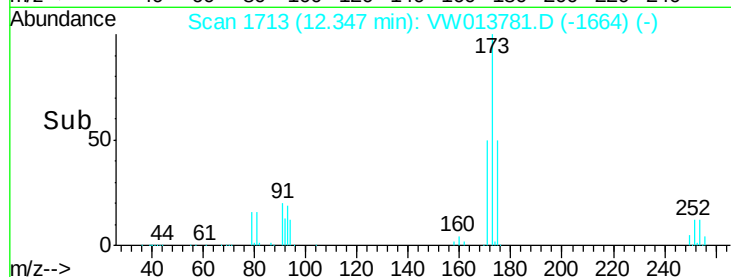
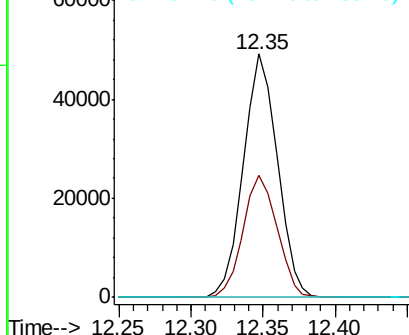
173 100

175 50.4 25.2 75.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

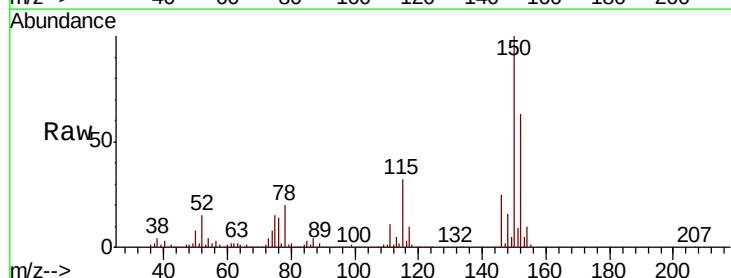
Tgt Ion:152 Resp: 208912

Ion Ratio Lower Upper

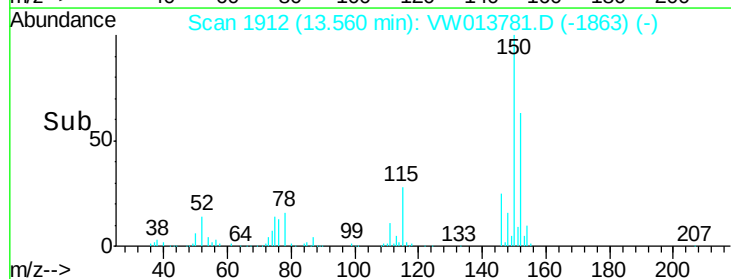
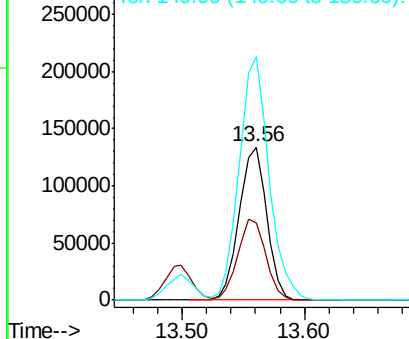
152 100

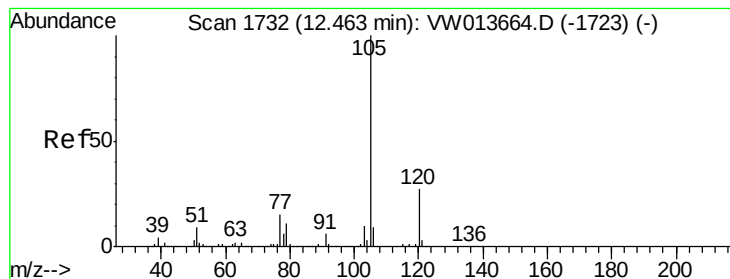
115 53.7 27.4 82.2

150 172.2 0.0 345.4



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





#73

Isopropylbenzene

Concen: 46.122 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

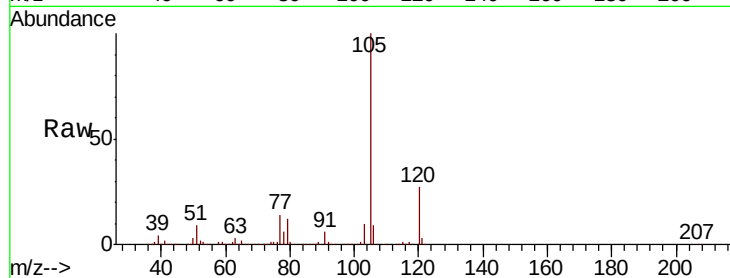
VSTDCCC050EC

Tot Ion:105 Resp: 691951

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

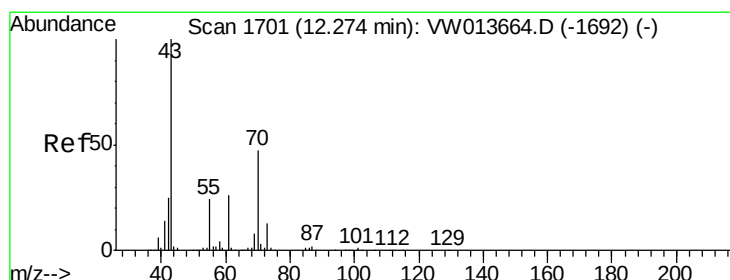
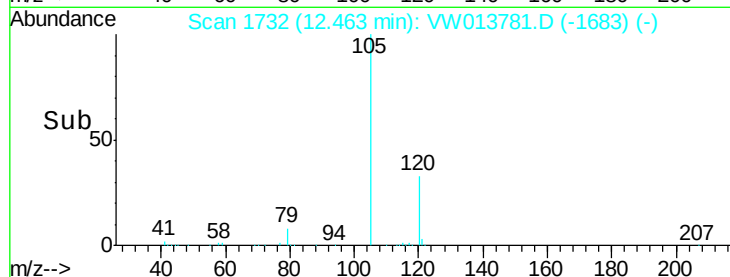
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 53.387 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion: 43 Resp: 154937

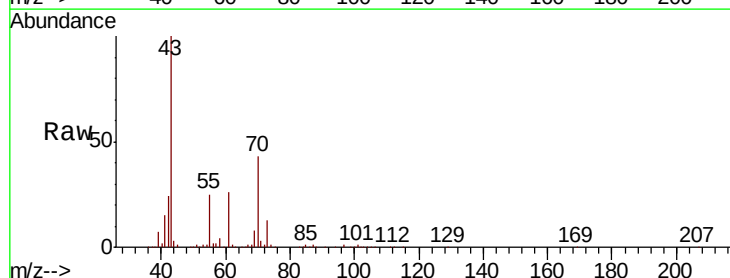
Ion Ratio Lower Upper

43 100

70 45.6 36.6 55.0

55 26.3 20.3 30.5

61 25.5 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

150000

100000

50000

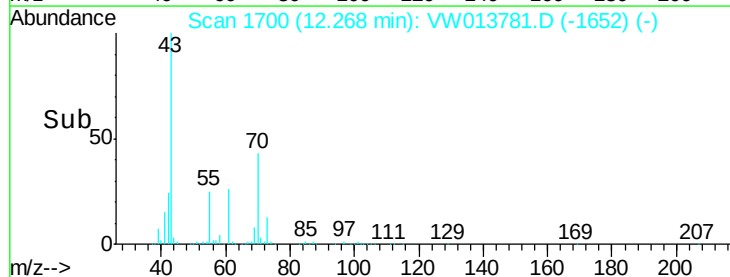
0

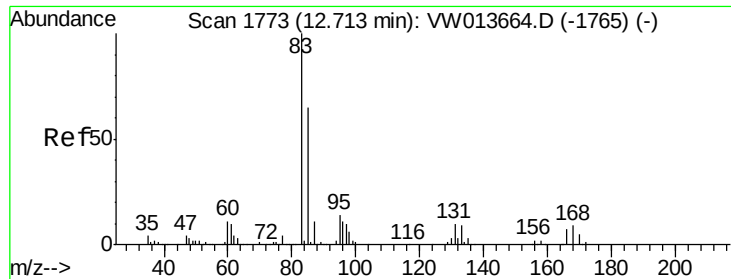
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.431 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

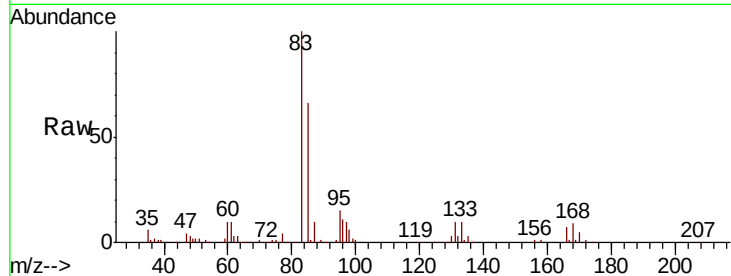
Tot Ion: 83 Resp: 121761

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

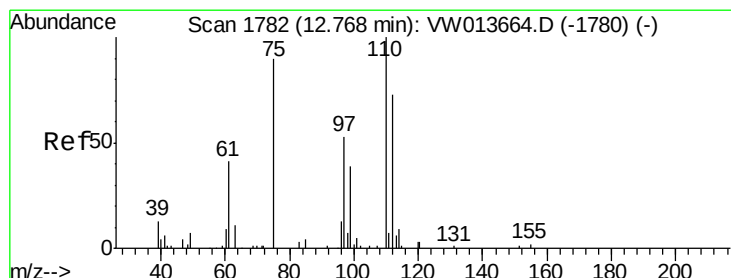
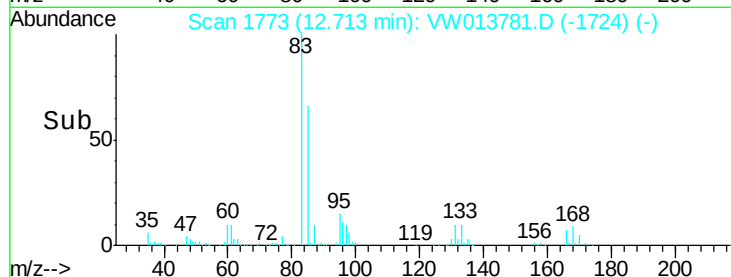
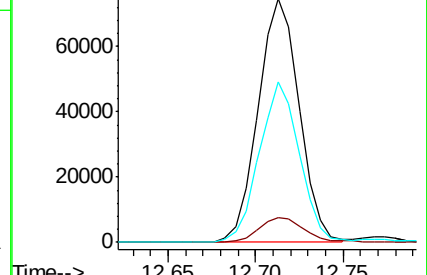
85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 104.856 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013781.D

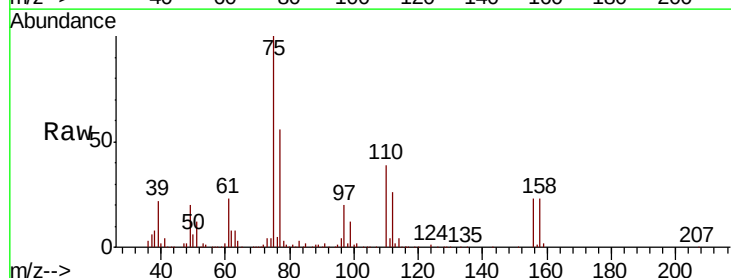
Acq: 28 Oct 2019 21:35

Tgt Ion: 75 Resp: 157313

Ion Ratio Lower Upper

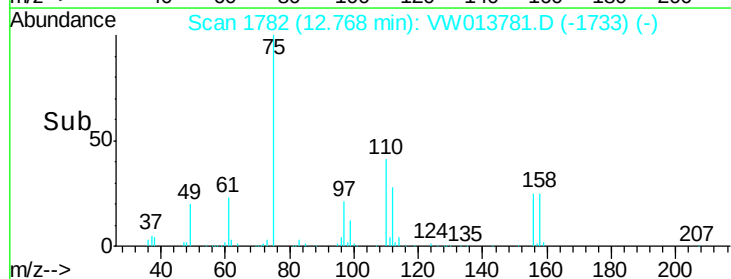
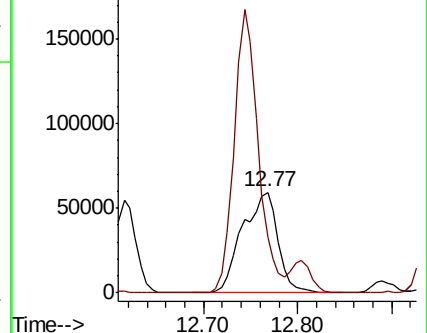
75 100

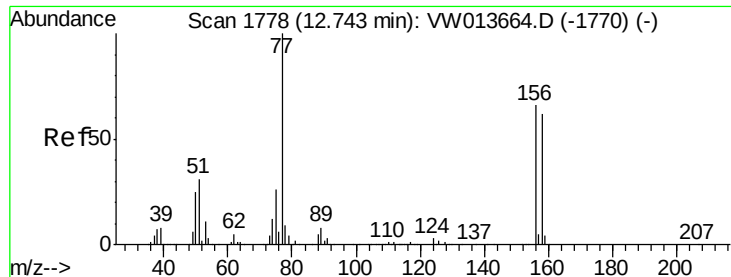
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.633 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

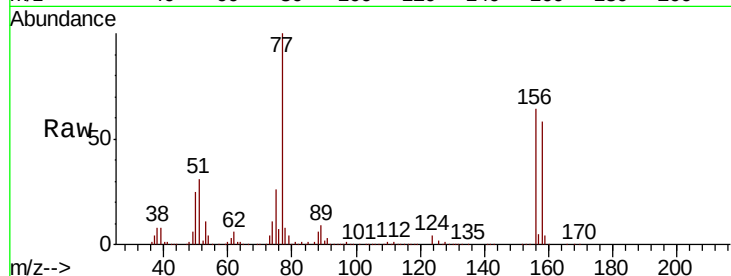
Tot Ion:156 Resp: 177881

Ion Ratio Lower Upper

156 100

77 167.8 82.9 248.7

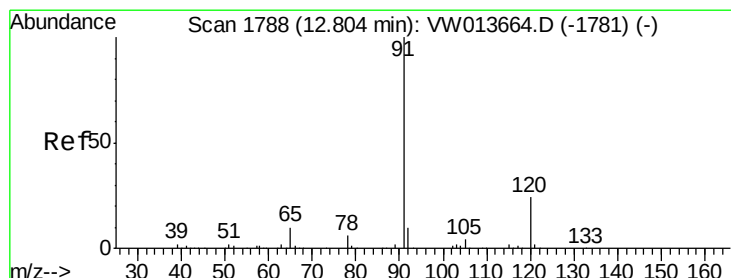
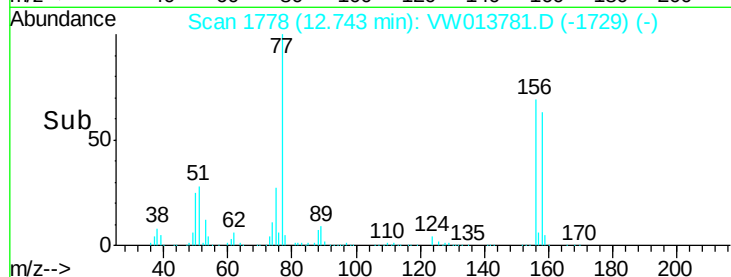
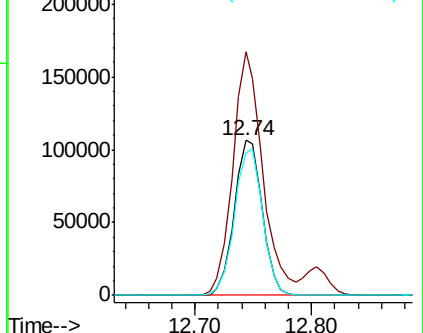
158 95.5 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.564 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013781.D

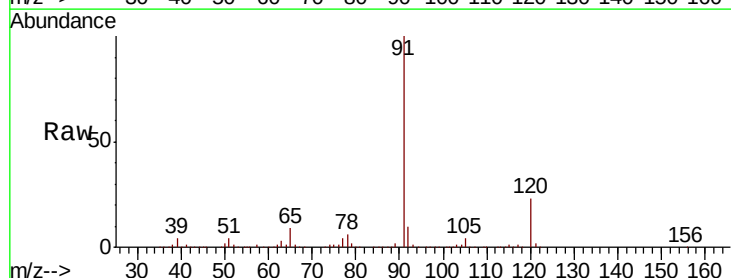
Acq: 28 Oct 2019 21:35

Tgt Ion: 91 Resp: 808571

Ion Ratio Lower Upper

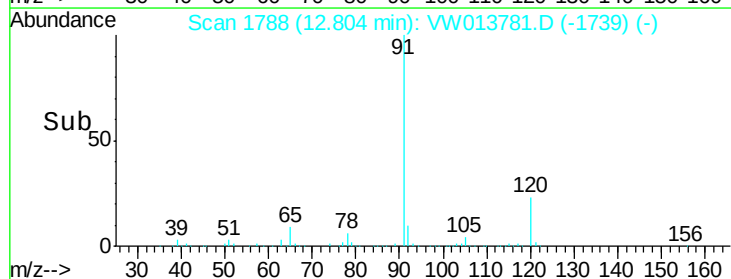
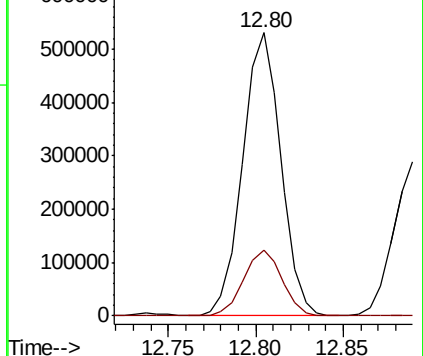
91 100

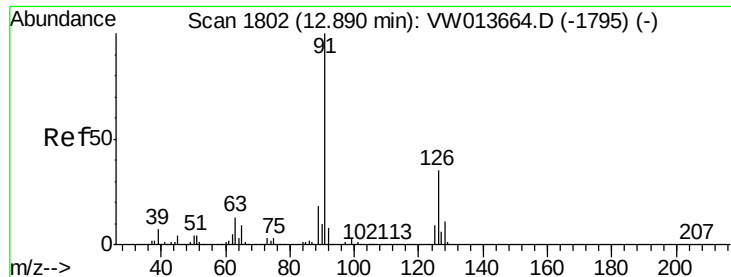
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.459 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

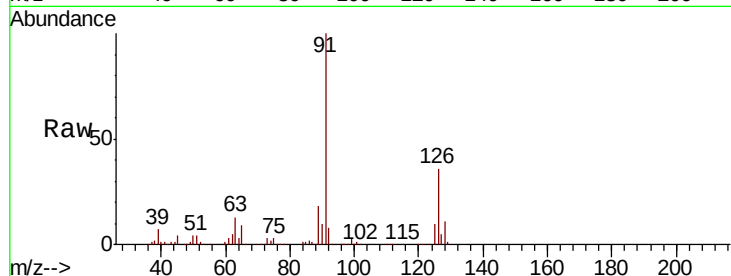
VSTDCCC050EC

Tot Ion: 91 Resp: 463124

Ion Ratio Lower Upper

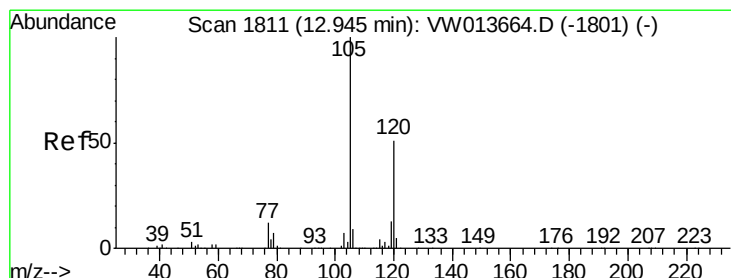
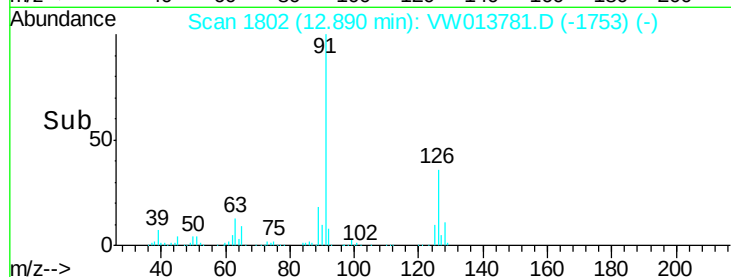
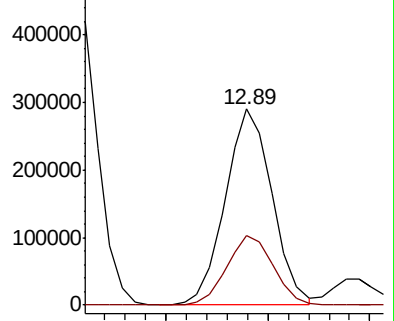
91 100

126 35.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.419 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013781.D

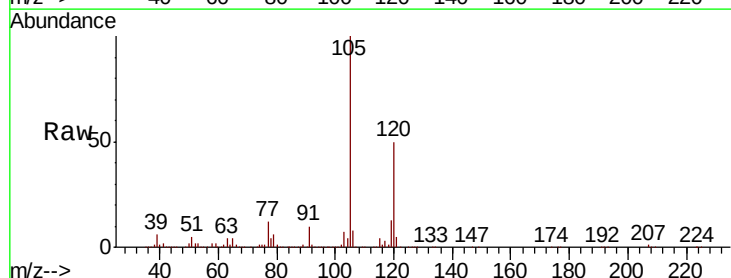
Acq: 28 Oct 2019 21:35

Tgt Ion:105 Resp: 600544

Ion Ratio Lower Upper

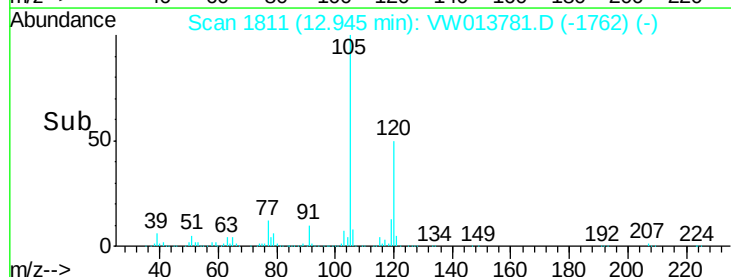
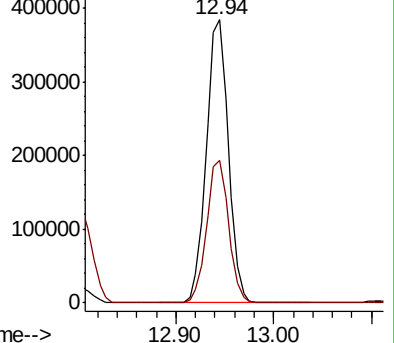
105 100

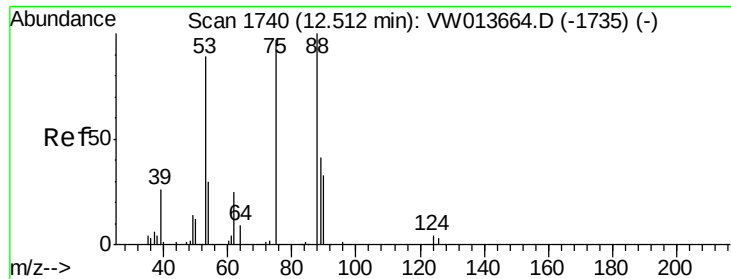
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.702 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

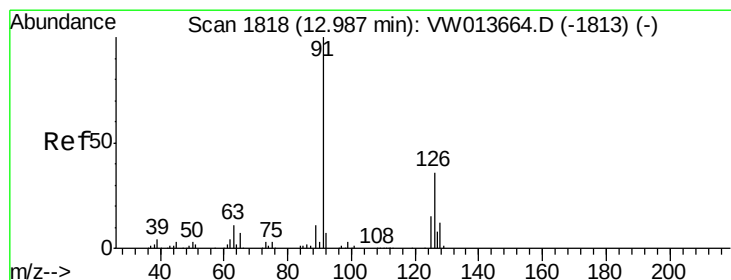
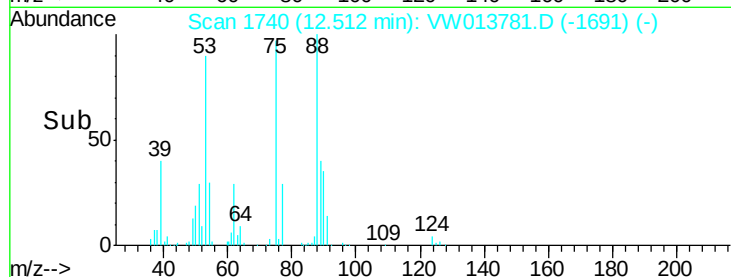
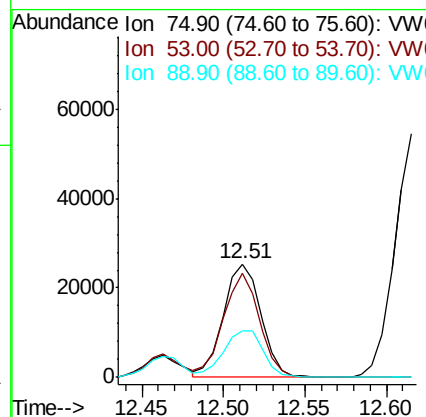
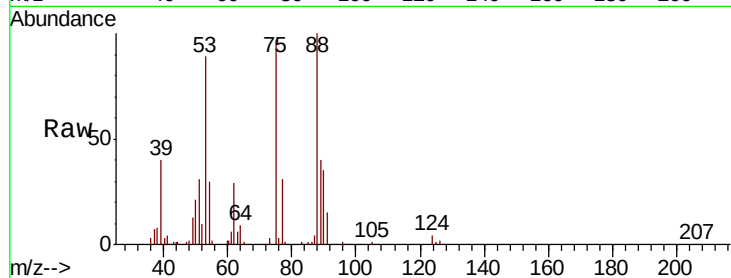
Tot Ion: 75 Resp: 40250

Ion Ratio Lower Upper

75 100

53 88.7 71.7 107.5

89 44.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 47.481 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013781.D

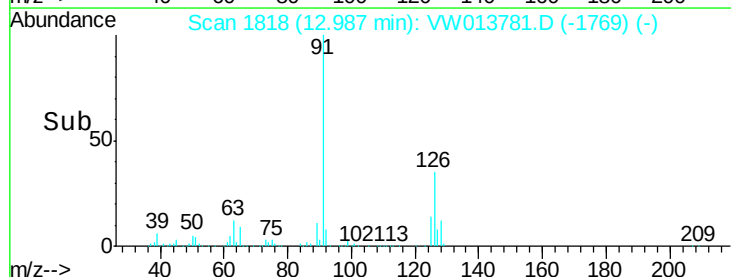
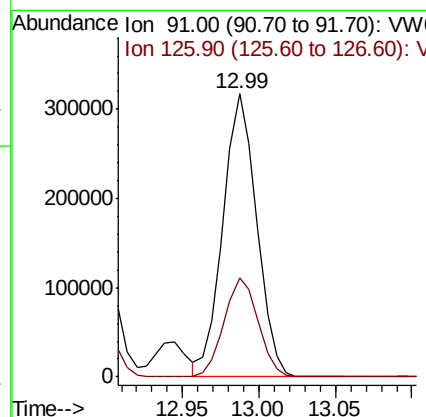
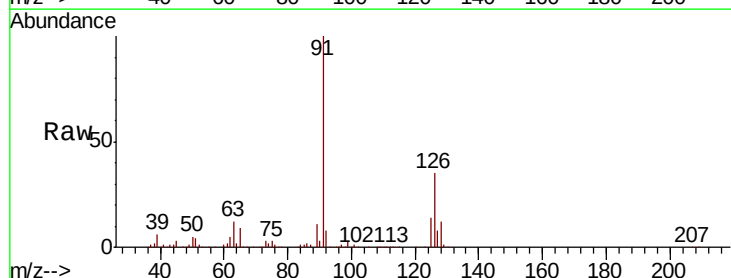
Acq: 28 Oct 2019 21:35

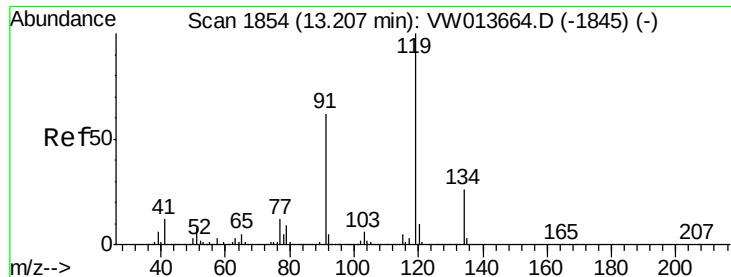
Tgt Ion: 91 Resp: 486429

Ion Ratio Lower Upper

91 100

126 35.4 17.2 51.5

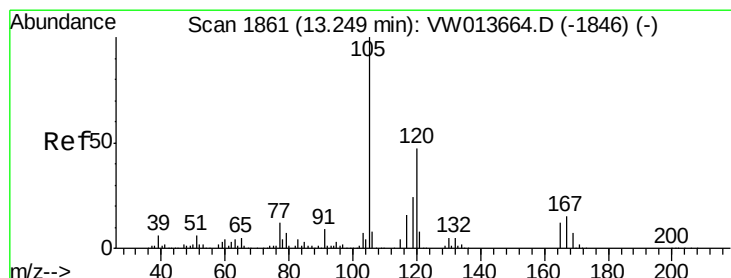
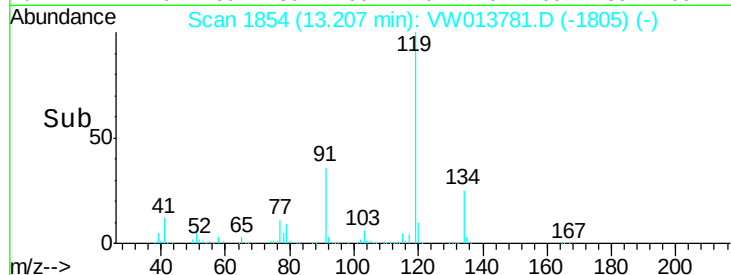
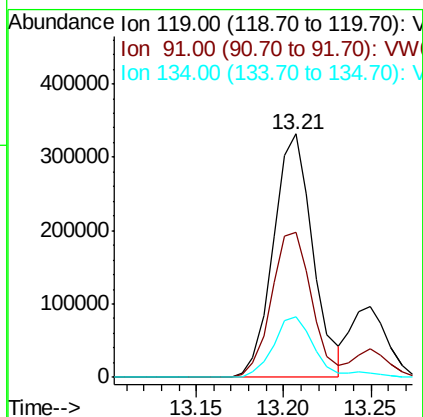
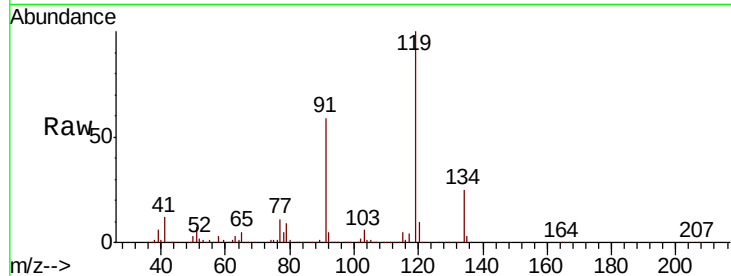




#83
tert-Butylbenzene
Concen: 46.541 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

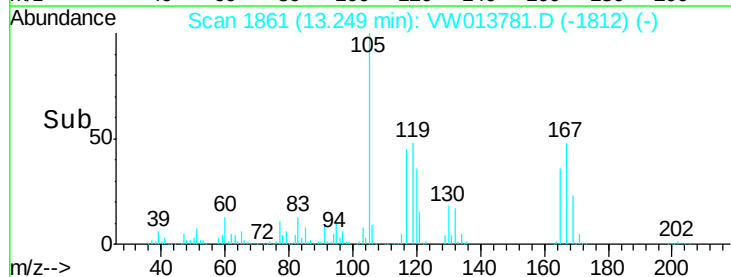
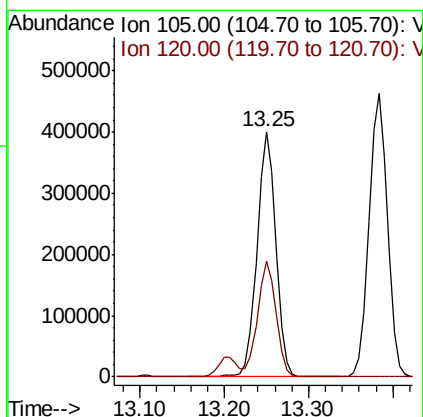
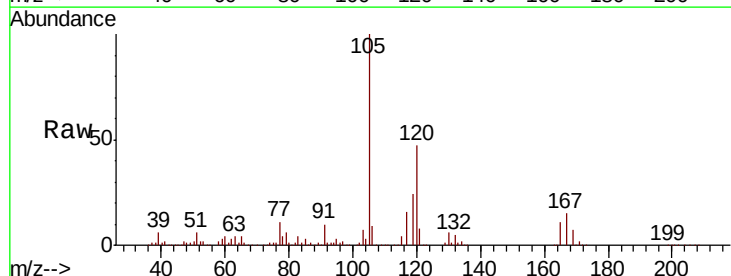
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

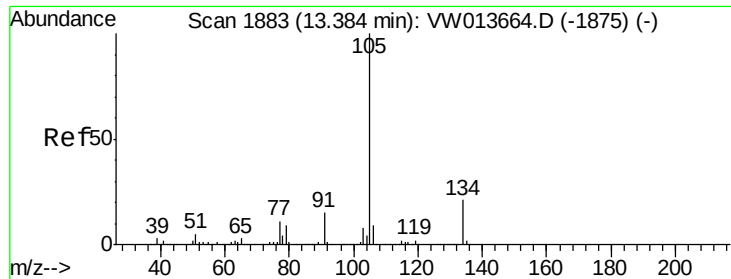
Tot Ion:119 Resp: 523200
Ion Ratio Lower Upper
119 100
91 60.6 30.4 91.3
134 26.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 48.647 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:105 Resp: 607747
Ion Ratio Lower Upper
105 100
120 45.9 23.5 70.5





#85

sec-Butylbenzene

Concen: 45.719 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

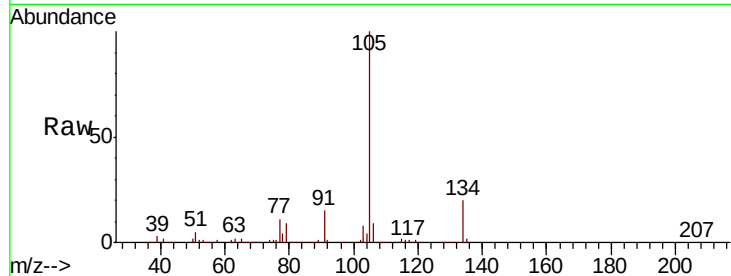
VSTDCCC050EC

Tot Ion:105 Resp: 702826

Ion Ratio Lower Upper

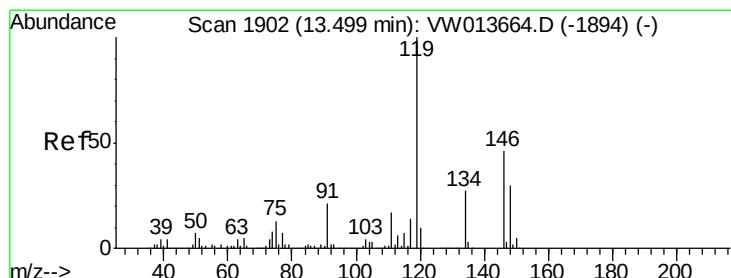
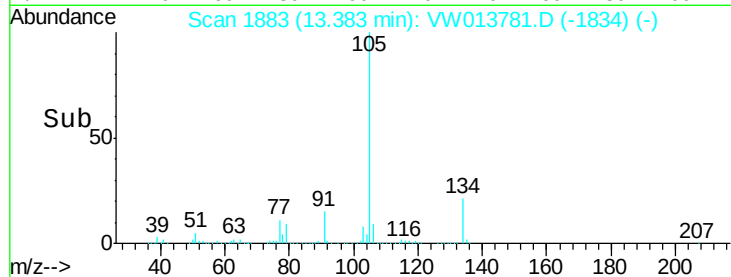
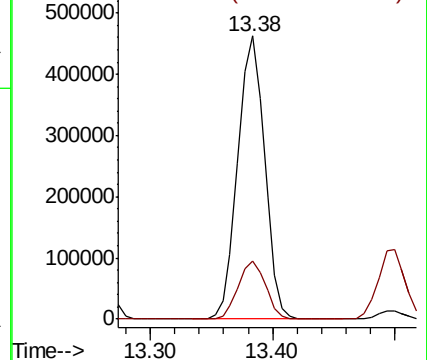
105 100

134 20.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.479 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

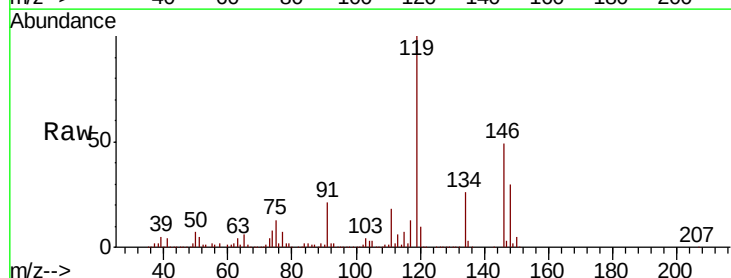
Tgt Ion:119 Resp: 665570

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

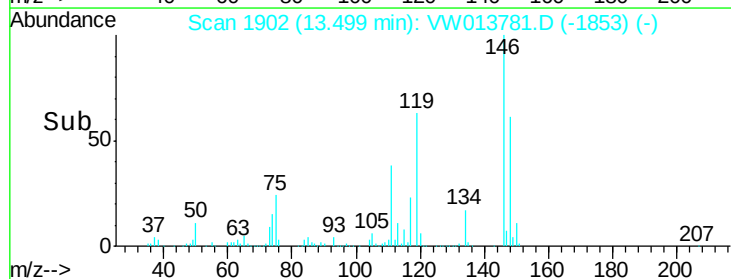
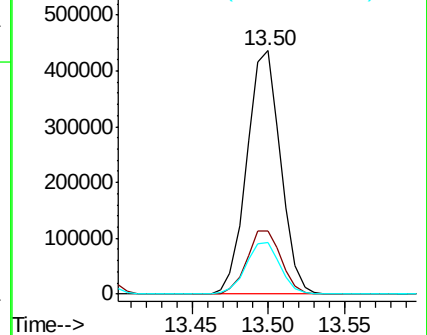
91 21.3 10.8 32.3

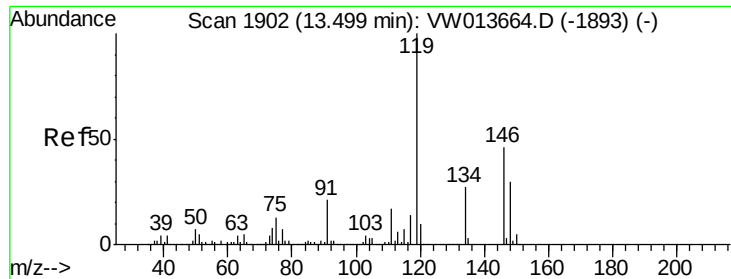


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

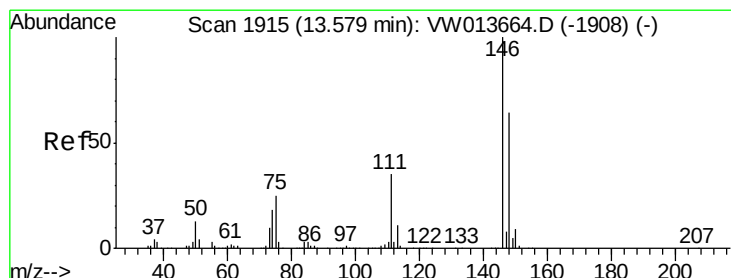
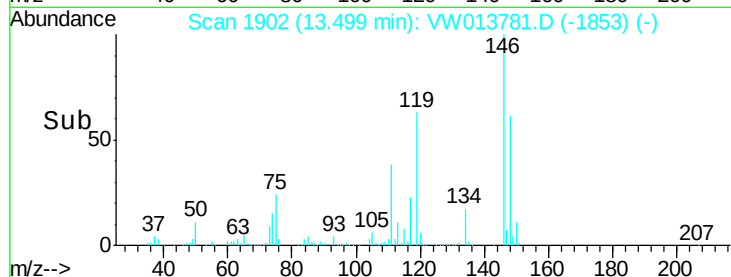
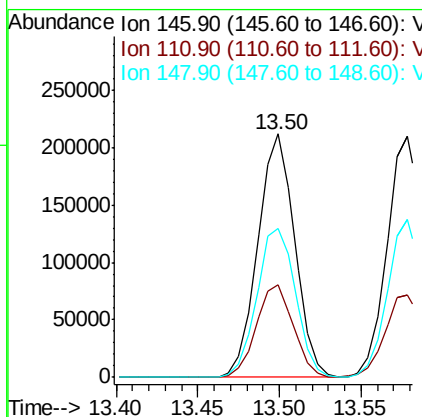
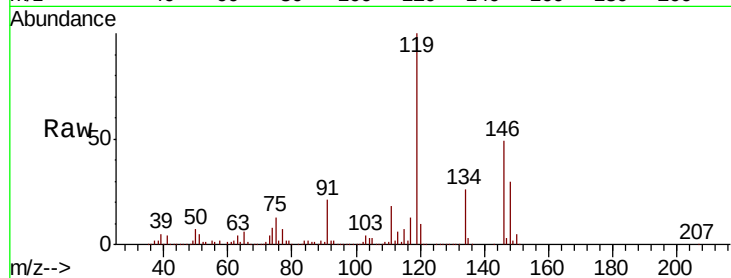




#87
 1,3-Dichlorobenzene
 Concen: 48.051 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

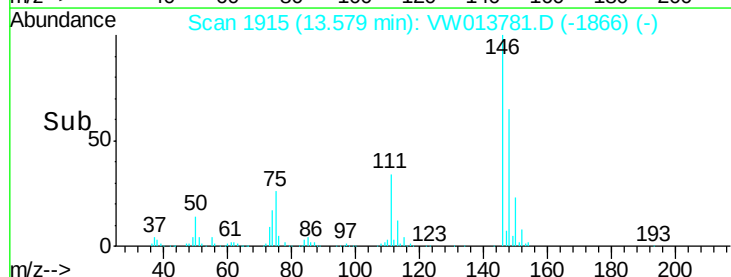
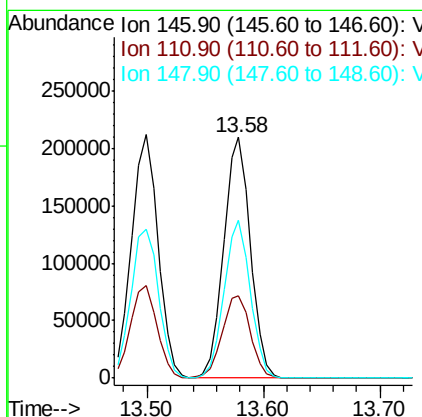
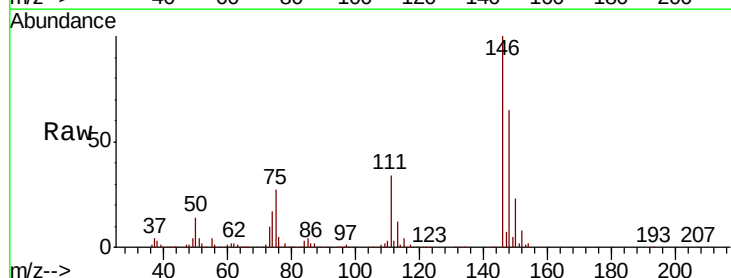
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

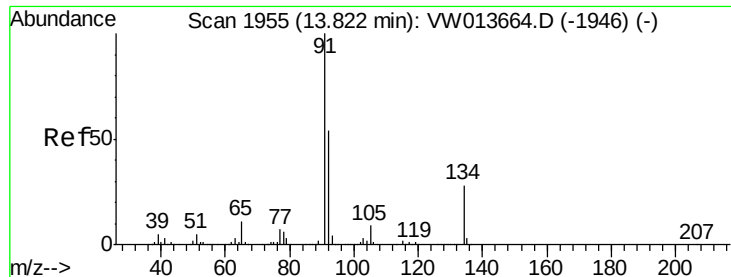
Tot Ion:146 Resp: 333667
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 56.0
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 48.114 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion:146 Resp: 331914
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.3
 148 64.6 32.0 96.2





#89

n-Butylbenzene

Concen: 45.233 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

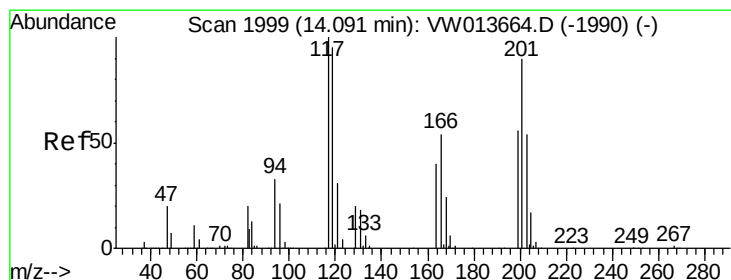
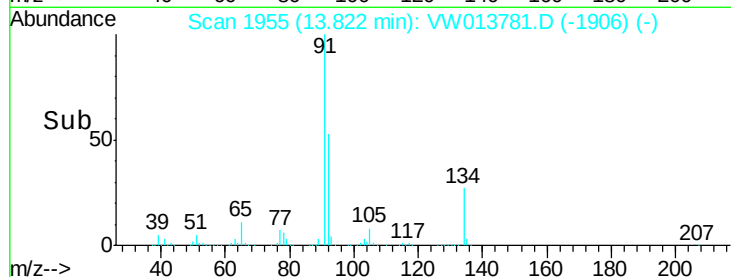
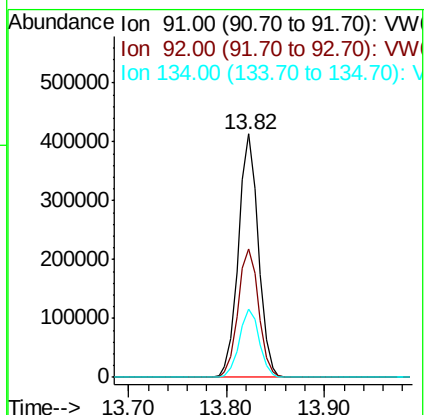
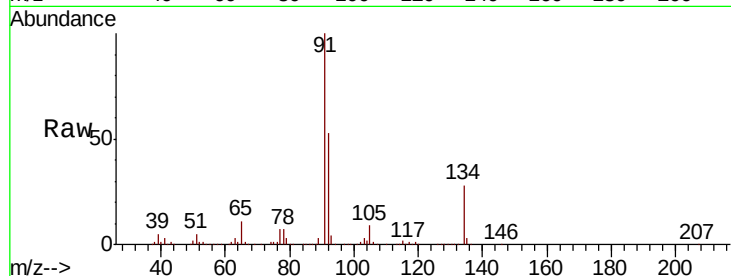
Tot Ion: 91 Resp: 584666

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 28.2 14.0 41.9



#90

Hexachloroethane

Concen: 46.489 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013781.D

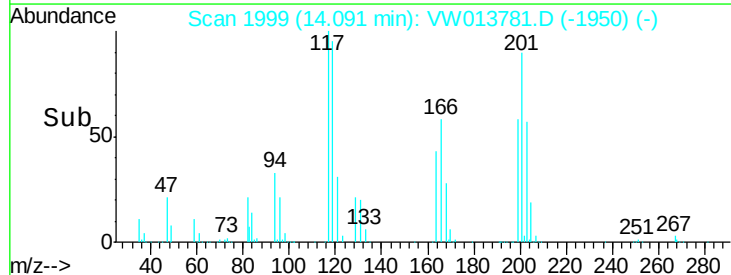
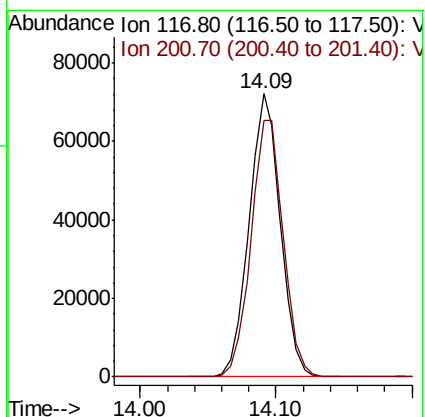
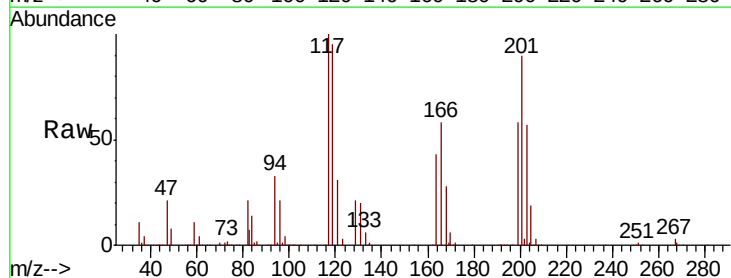
Acq: 28 Oct 2019 21:35

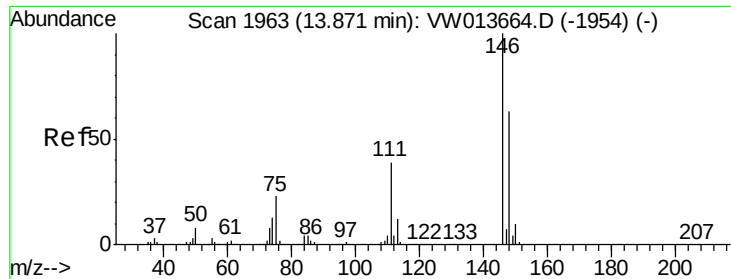
Tgt Ion: 117 Resp: 115713

Ion Ratio Lower Upper

117 100

201 93.8 46.1 138.2

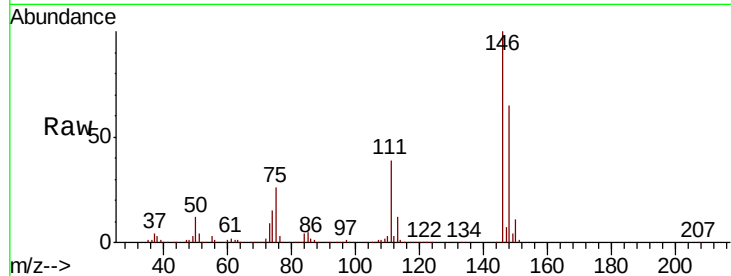




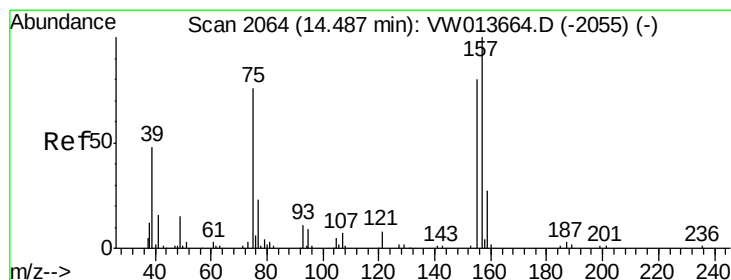
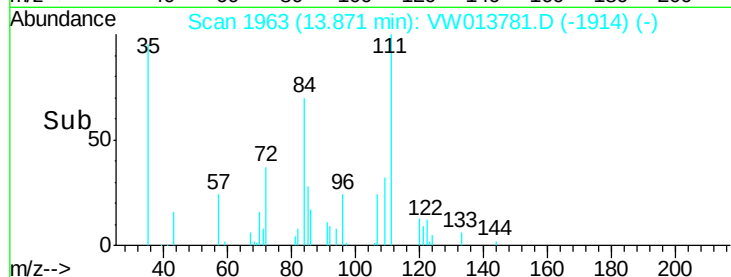
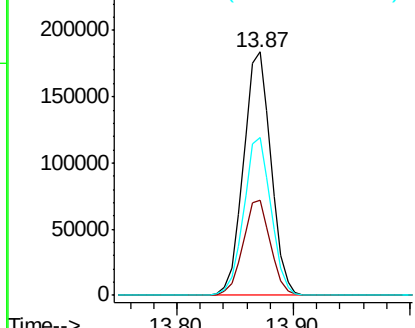
#91
 1,2-Dichlorobenzene
 Concen: 50.179 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.7	31.9	95.9

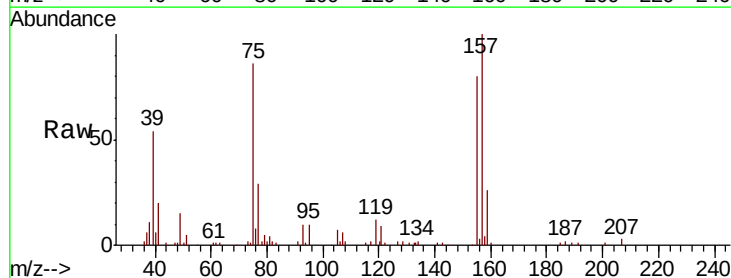


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

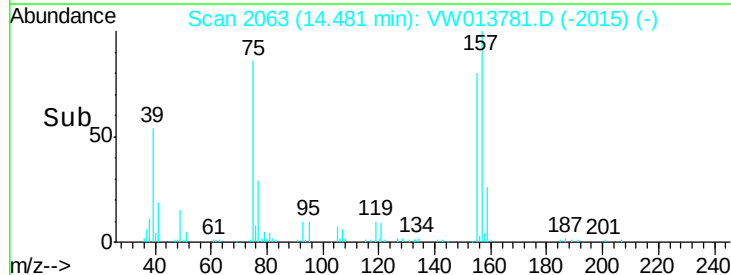
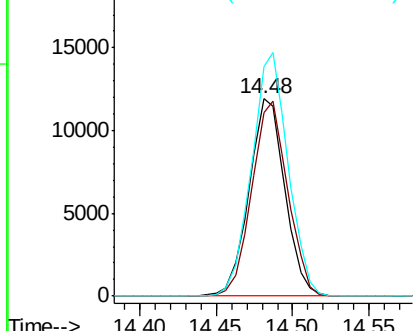


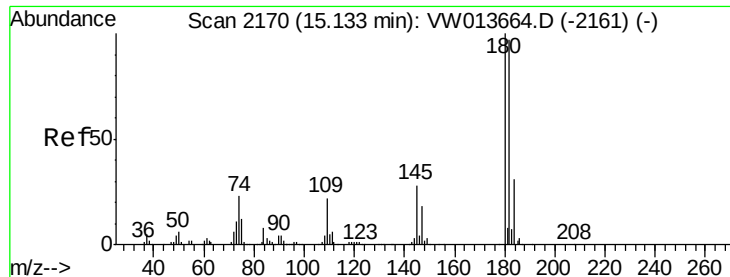
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.167 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	51.9	155.7
157	125.5	64.8	194.3



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

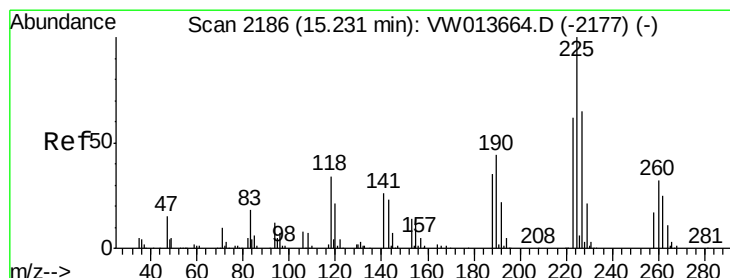
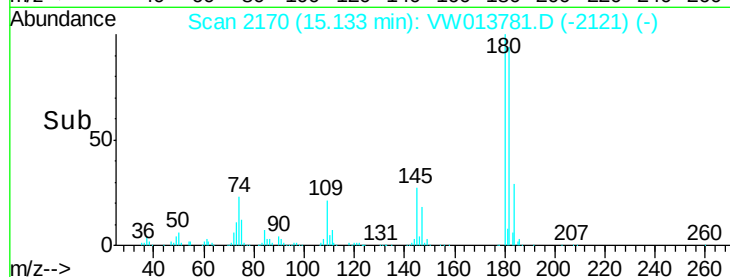
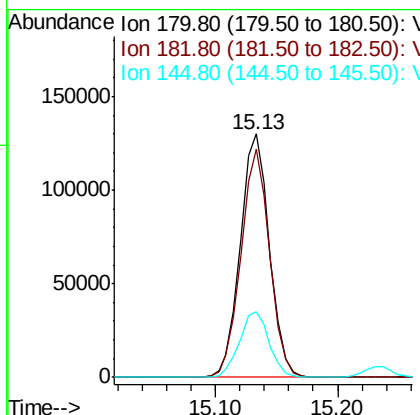
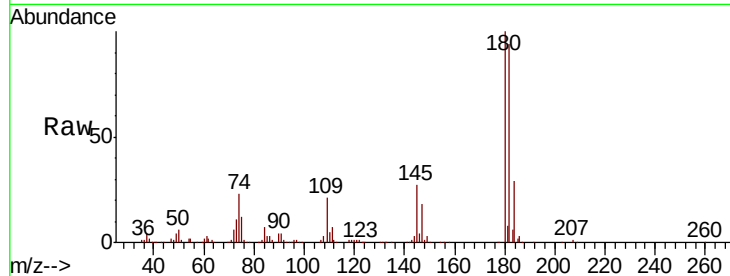




#93
 1,2,4-Trichlorobenzene
 Concen: 48.715 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

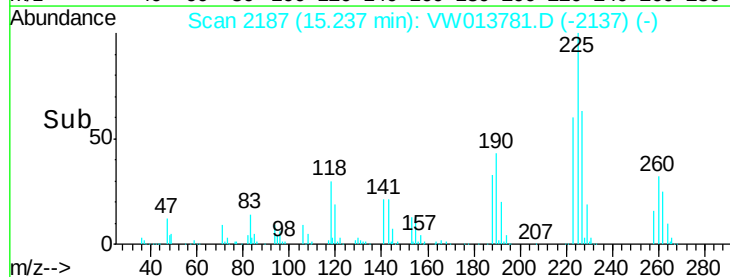
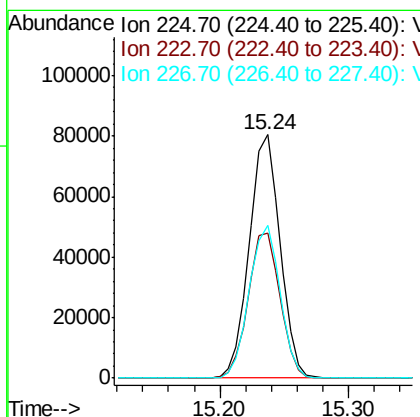
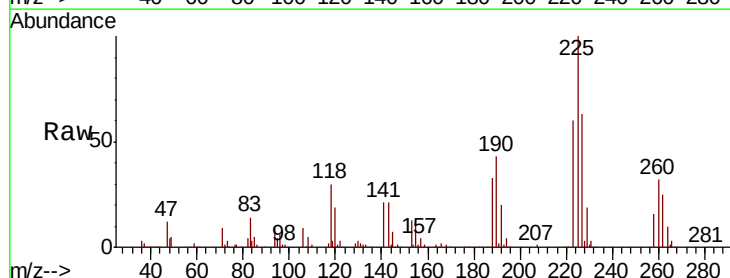
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

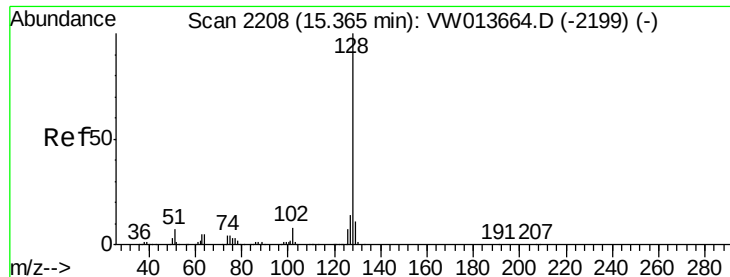
Tot Ion:180 Resp: 213456
 Ion Ratio Lower Upper
 180 100
 182 92.4 47.4 142.2
 145 27.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 44.764 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion:225 Resp: 132416
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.9
 227 63.3 32.5 97.4

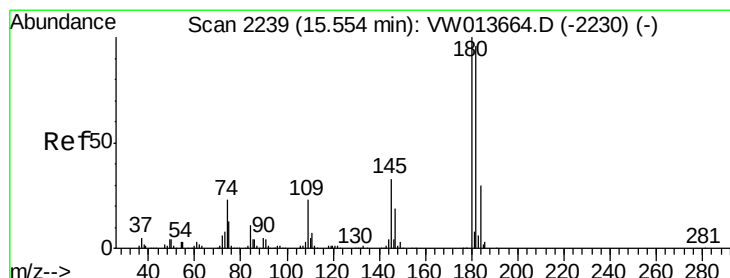
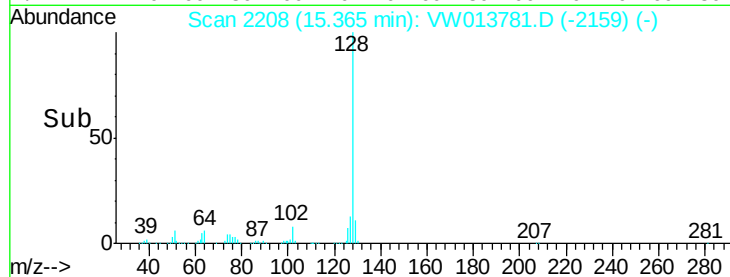
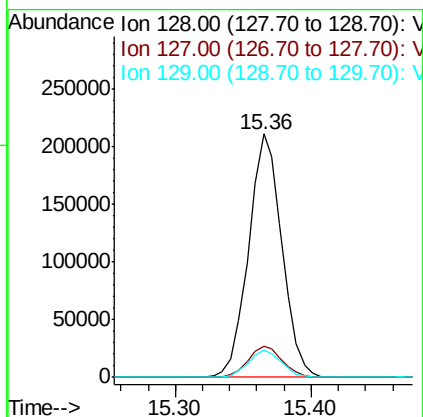
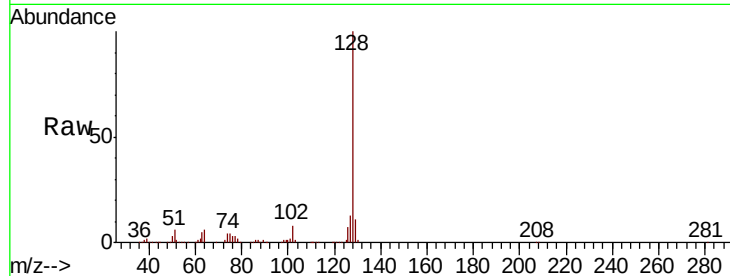




#95
Naphthalene
Concen: 52.703 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 362071
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.325 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:180 Resp: 186235
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.3
145 29.0 14.9 44.9

