

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064824.D
 Acq On : 09 Jan 2020 18:53
 Operator : VA/SY
 Sample : L1051-11MSD
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:43:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	850209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1263234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1093298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	515837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	316499	42.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.44%	
35) Dibromofluoromethane	7.92	113	176839	22.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.64%	
50) Toluene-d8	10.34	98	1572788	52.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.64	95	450723	48.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	121439	18.379	ug/l	97
3) Chloromethane	2.21	50	192442	20.825	ug/l	98
4) Vinyl Chloride	2.35	62	229850	20.400	ug/l	98
5) Bromomethane	2.77	94	150938	18.424	ug/l	94
6) Chloroethane	2.93	64	159558	21.135	ug/l	95
7) Trichlorofluoromethane	3.27	101	383131	20.195	ug/l	97
8) Diethyl Ether	3.71	74	65871	17.485	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161712	20.583	ug/l	98
10) Methyl Iodide	4.30	142	176654	20.932	ug/l	99
11) Tert butyl alcohol	5.24	59	28973	67.433	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	167585	22.404	ug/l	98
13) Acrolein	3.93	56	5742	9.589	ug/l	91
14) Allyl chloride	4.71	41	245053	21.012	ug/l	99
15) Acrylonitrile	5.43	53	117022	74.575	ug/l	99
16) Acetone	4.16	43	137144	83.145	ug/l	98
17) Carbon Disulfide	4.40	76	453083	18.733	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	289933	17.451	ug/l	96
20) Methylene Chloride	4.97	84	179625	20.548	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	177056	20.785	ug/l	92
22) Diisopropyl ether	6.37	45	455576	19.585	ug/l	99
23) Vinyl Acetate	6.37	43	243930	18.486	ug/l #	74
24) 1,1-Dichloroethane	6.26	63	312757	22.396	ug/l	98
25) 2-Butanone	7.22	43	157090	76.229	ug/l	96
26) 2,2-Dichloropropane	7.20	77	274832	21.168	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194867	21.196	ug/l	100
28) Bromochloromethane	7.55	49	105908	19.510	ug/l	97
29) Tetrahydrofuran	7.57	42	92249	71.983	ug/l	98
30) Chloroform	7.71	83	322346	22.001	ug/l	99
31) Cyclohexane	7.98	56	277940	19.883	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	306879	22.300	ug/l	98
36) 1,1-Dichloropropene	8.11	75	250174	20.576	ug/l	99
37) Ethyl Acetate	7.22	43	157090	32.888	ug/l #	1
38) Carbon Tetrachloride	8.10	117	276576	21.333	ug/l	100
39) Methylcyclohexane	9.36	83	280359	19.038	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064824.D
 Acq On : 09 Jan 2020 18:53
 Operator : VA/SY
 Sample : L1051-11MSD
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:43:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.35	78	703476	21.194	ug/l	98
41) Methacrylonitrile	7.53	41	33816	12.202	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	179376	18.701	ug/l	98
43) Isopropyl Acetate	8.46	43	51932	5.462	ug/l #	62
44) Trichloroethene	9.11	130	374210	38.378	ug/l	99
45) 1,2-Dichloropropane	9.39	63	164991	20.819	ug/l	99
46) Dibromomethane	9.48	93	73564	16.649	ug/l	97
47) Bromodichloromethane	9.67	83	229936	19.557	ug/l	99
48) Methyl methacrylate	9.36	41	134653	30.080	ug/l #	74
49) 1,4-Dioxane	9.47	88	14978	293.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	337396	71.798	ug/l	100
52) Toluene	10.41	92	456512	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	196431	17.920	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	250452	19.377	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93239	15.658	ug/l	95
56) Ethyl methacrylate	10.67	69	33206	4.465	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	179776	17.535	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	234354	82.716	ug/l	98
59) 2-Hexanone	10.99	43	244094	76.531	ug/l	100
60) Dibromochloromethane	11.14	129	145673	17.691	ug/l	99
61) 1,2-Dibromoethane	11.25	107	96132	16.368	ug/l	97
64) Tetrachloroethene	10.88	164	307511	36.663	ug/l	99
65) Chlorobenzene	11.67	112	475009	20.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	175299	20.493	ug/l	99
67) Ethyl Benzene	11.75	91	878287	21.325	ug/l	99
68) m/p-Xylenes	11.86	106	674378	42.422	ug/l	97
69) o-Xylene	12.18	106	303107	21.109	ug/l	100
70) Stvrene	12.20	104	525073	20.833	ug/l	99
71) Bromoform	12.37	173	78702	16.133	ug/l #	98
73) Isopropylbenzene	12.48	105	820952	22.270	ug/l	99
74) N-amyl acetate	12.30	43	8564	1.087	ug/l #	89
76) 1,2,3-Trichloropropane	12.79	75	133526	32.780	ug/l #	100
77) Bromobenzene	12.77	156	184197	20.336	ug/l	98
78) n-propylbenzene	12.83	91	946259	22.003	ug/l	100
79) 2-Chlorotoluene	12.91	91	519512	21.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	663673	21.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30016	15.412	ug/l	95
82) 4-Chlorotoluene	13.01	91	548405	21.813	ug/l	100
83) tert-Butylbenzene	13.23	119	581142	22.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	663029	21.985	ug/l	98
85) sec-Butylbenzene	13.41	105	791332	21.954	ug/l	99
86) p-Isopropyltoluene	13.52	119	746037	21.646	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	365084	21.143	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	356027	20.989	ug/l	98
89) n-Butylbenzene	13.85	91	670748	21.611	ug/l	99
90) Hexachloroethane	14.12	117	143388	21.780	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	292489	19.865	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13748	14.645	ug/l	94
93) 1,2,4-Trichlorobenzene	15.17	180	202871	18.713	ug/l	99
94) Hexachlorobutadiene	15.28	225	128066	18.772	ug/l	98

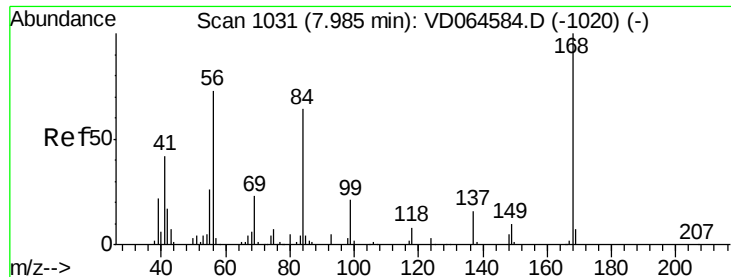
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
Data File : VD064824.D
Acq On : 09 Jan 2020 18:53
Operator : VA/SY
Sample : L1051-11MSD
Misc : 6.18G/5.00ml/MSVOA D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 10 05:43:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	281810	16.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	168443	18.200	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

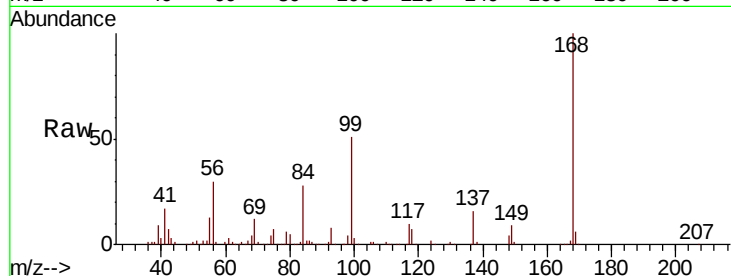
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 850209

Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

300000

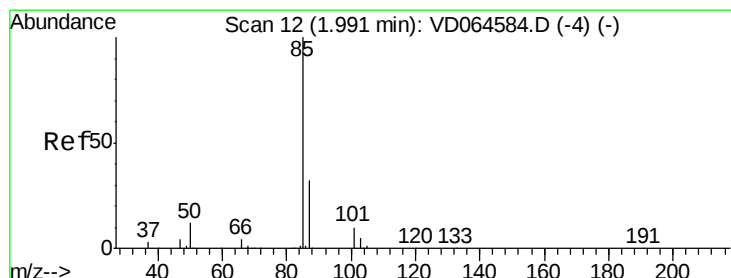
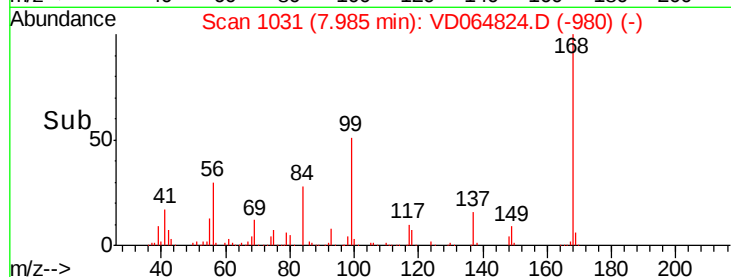
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.379 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064824.D

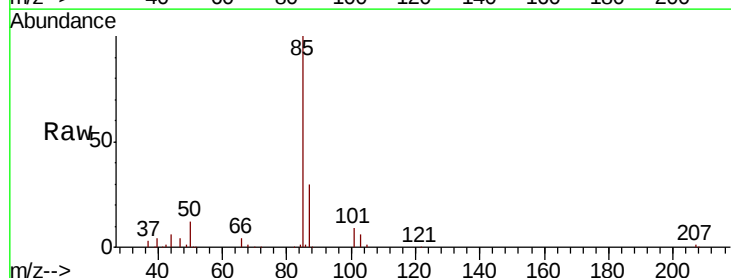
Acq: 09 Jan 2020 18:53

Tgt Ion: 85 Resp: 121439

Ion Ratio Lower Upper

85 100

87 30.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

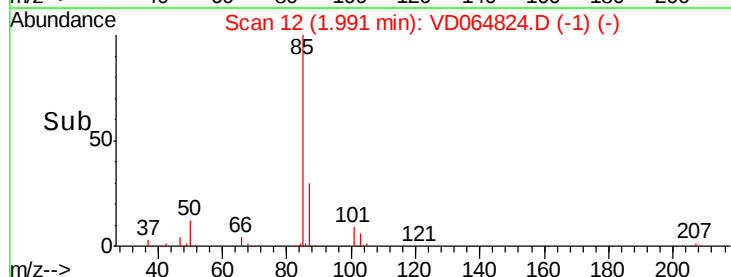
40000

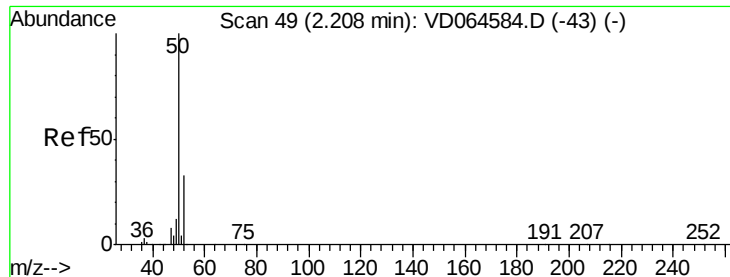
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.825 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

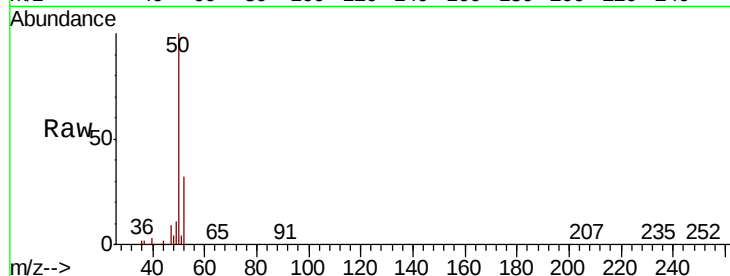
ClientSampleId :

Tot Ion: 50 Resp: 192442

Ion Ratio Lower Upper

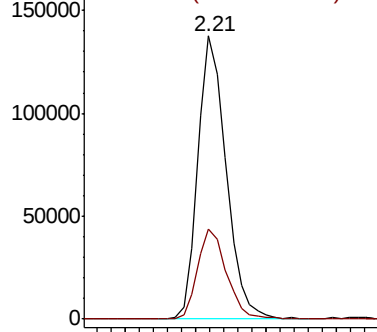
50 100

52 31.7 26.5 39.7

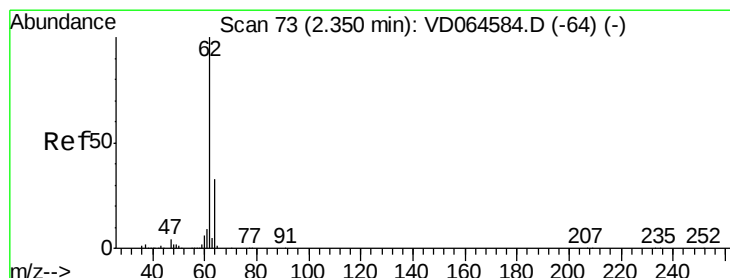
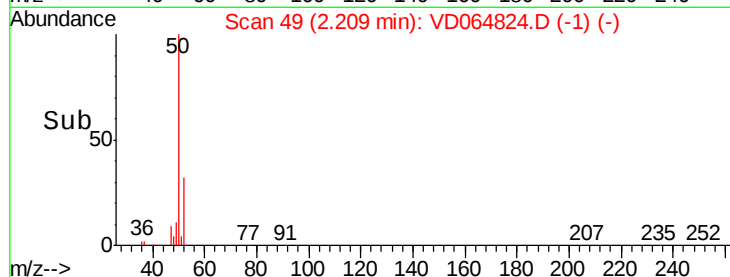


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 20.400 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064824.D

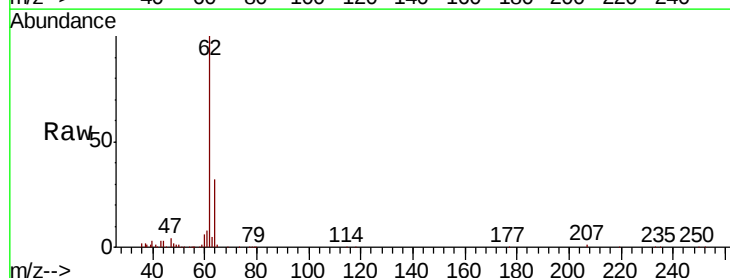
Acq: 09 Jan 2020 18:53

Tgt Ion: 62 Resp: 229850

Ion Ratio Lower Upper

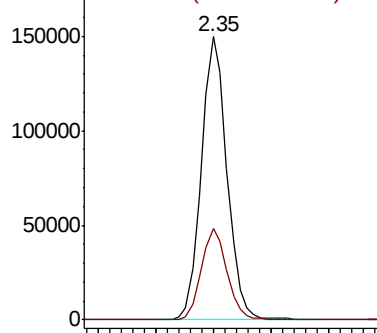
62 100

64 32.2 26.6 40.0

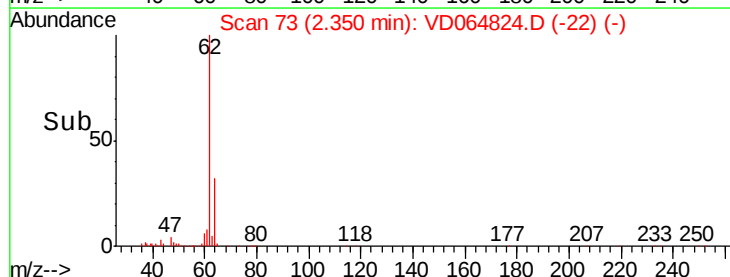


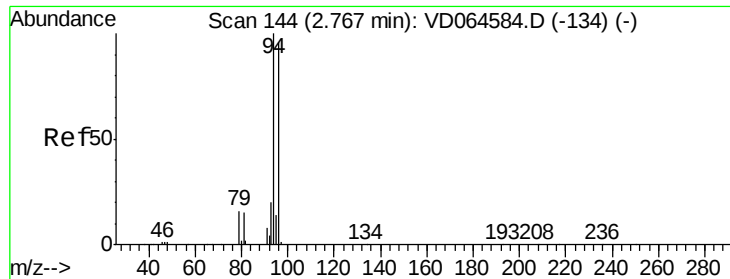
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 18.424 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

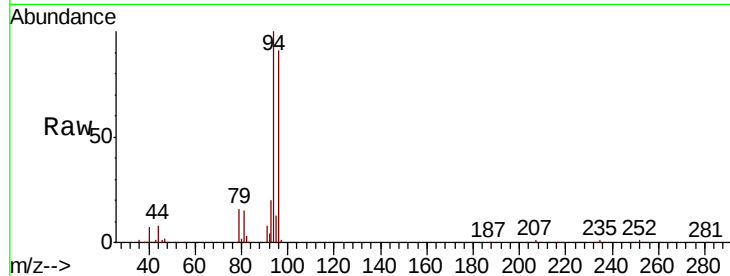
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 150938

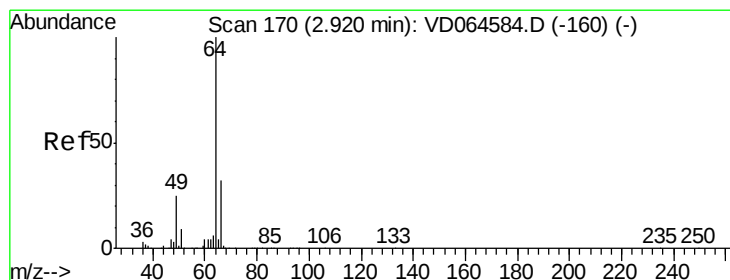
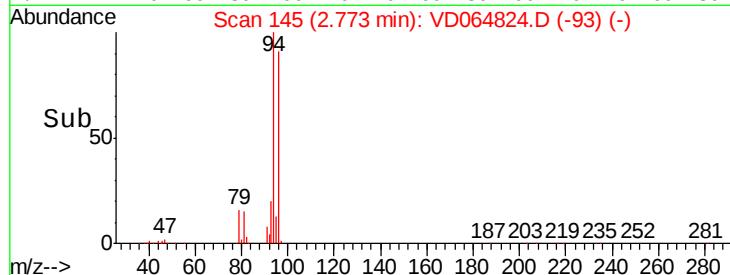
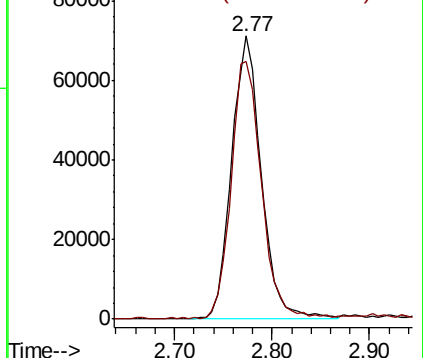
Ion Ratio Lower Upper

94 100

96 90.7 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.135 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064824.D

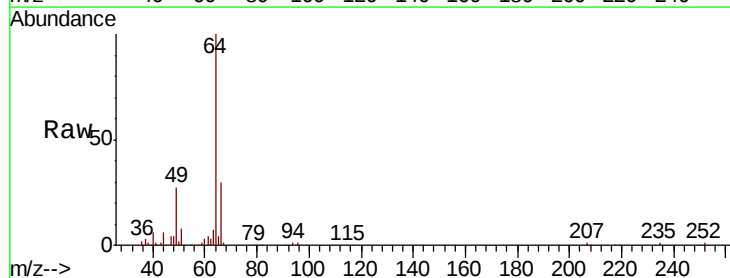
Acq: 09 Jan 2020 18:53

Tgt Ion: 64 Resp: 159558

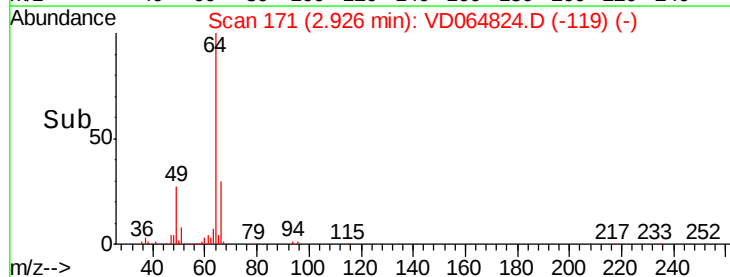
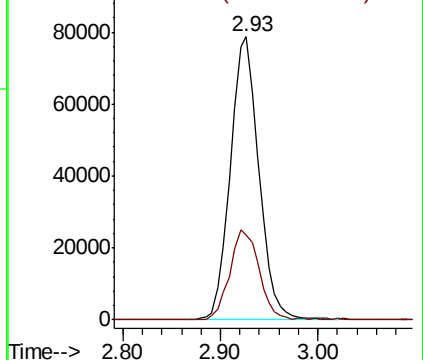
Ion Ratio Lower Upper

64 100

66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



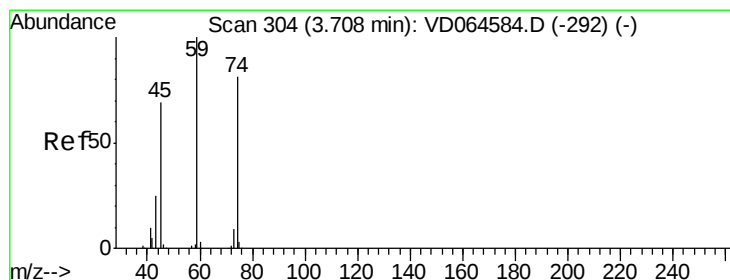
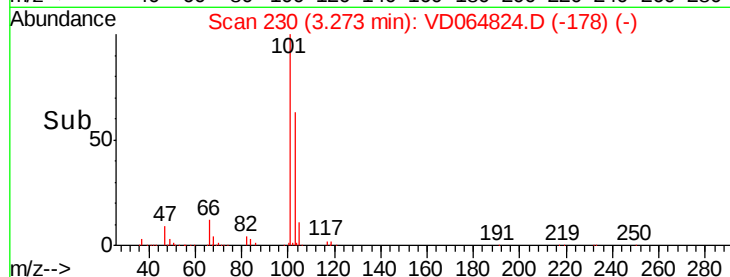
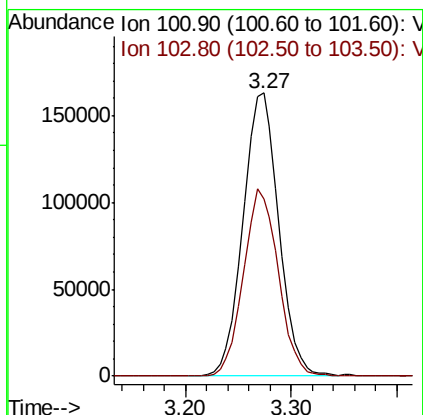
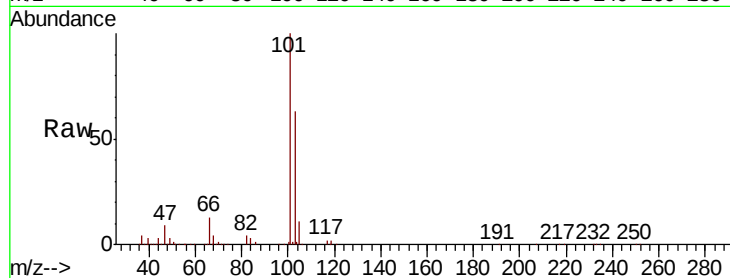


#7

Trichlorofluoromethane
Concen: 20.195 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampled :

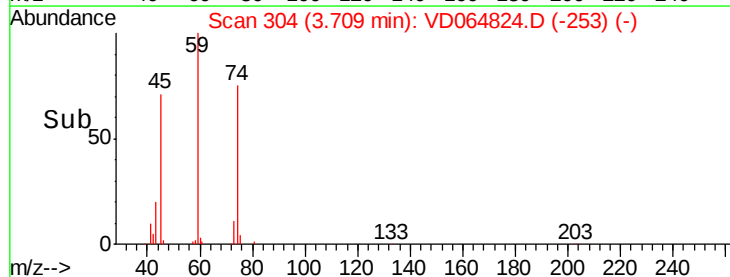
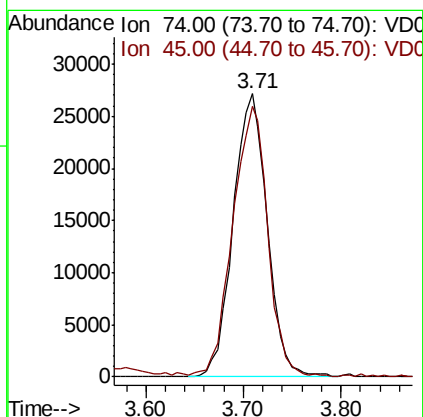
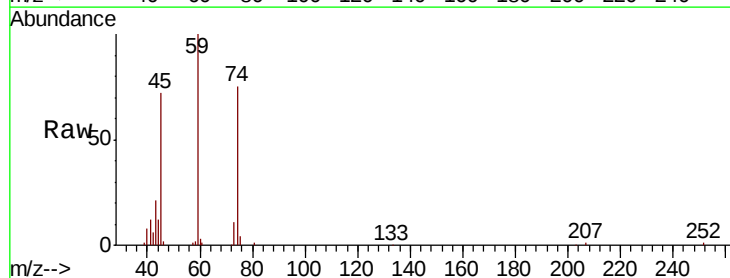
Tot Ion:101 Resp: 383131
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.4



#8

Diethyl Ether
Concen: 17.485 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 74 Resp: 65871
Ion Ratio Lower Upper
74 100
45 98.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.583 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

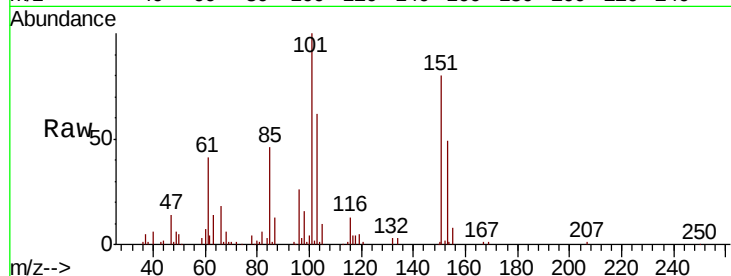
Tot Ion:101 Resp: 161712

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

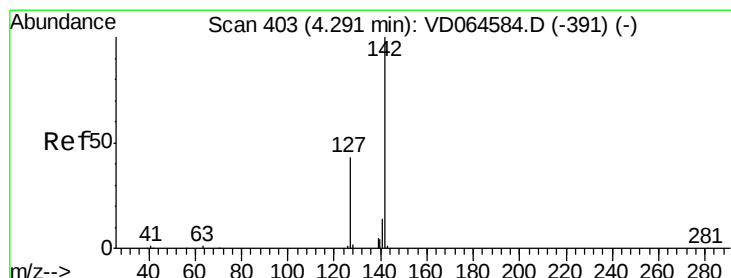
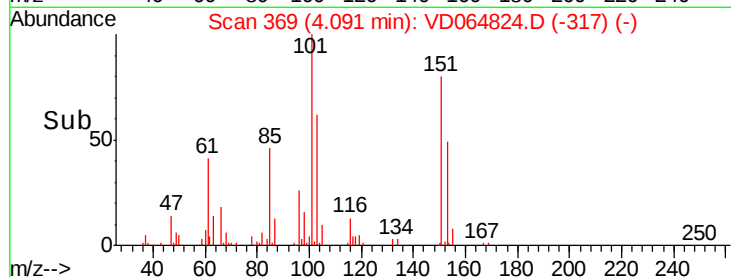
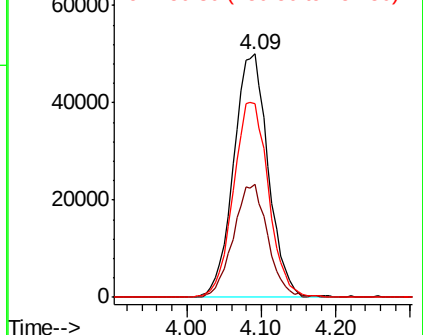
151 81.0 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.932 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

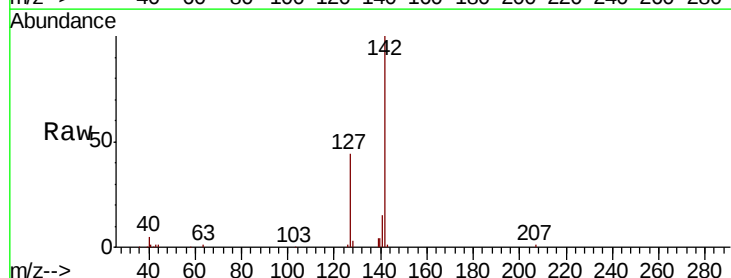
Tgt Ion:142 Resp: 176654

Ion Ratio Lower Upper

142 100

127 44.6 36.2 54.4

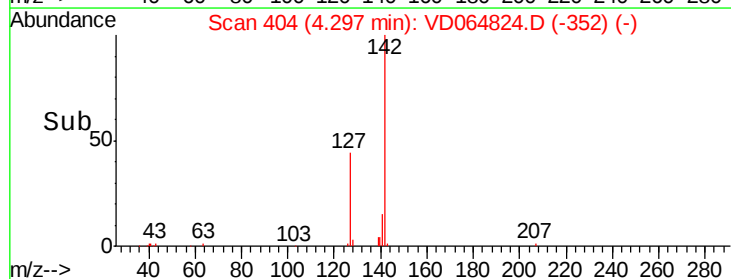
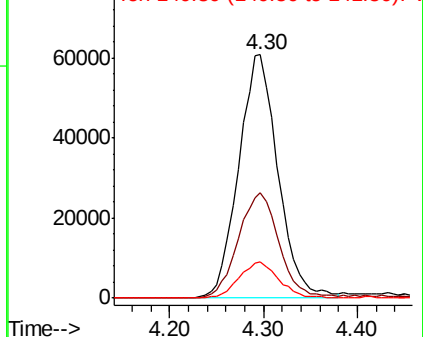
141 14.9 11.8 17.8

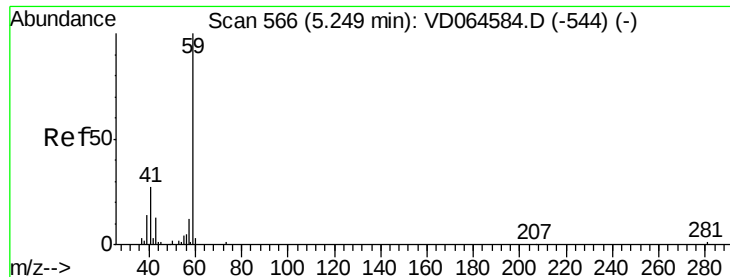


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



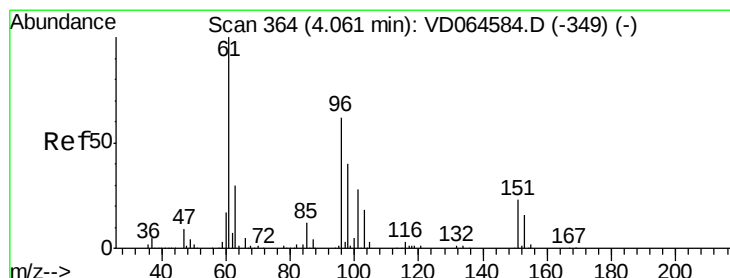
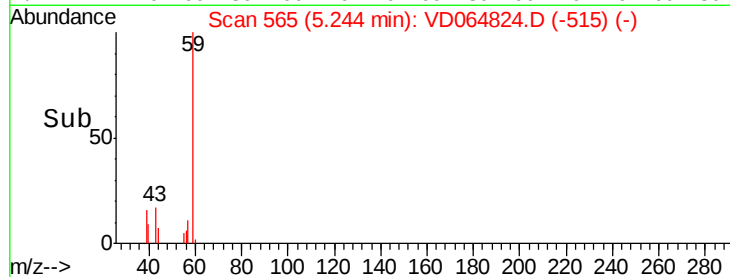
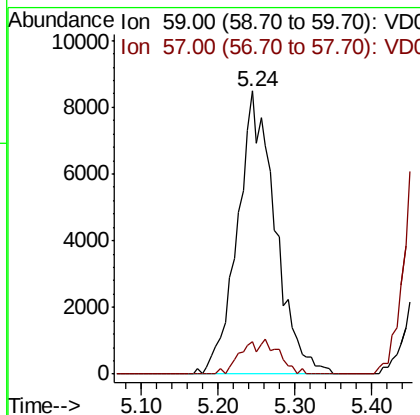
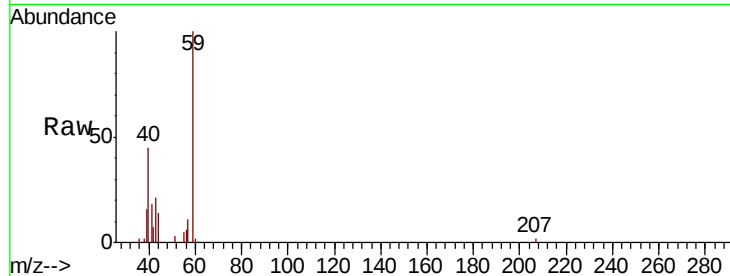


#11

Tert butyl alcohol
 Concen: 67.433 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :

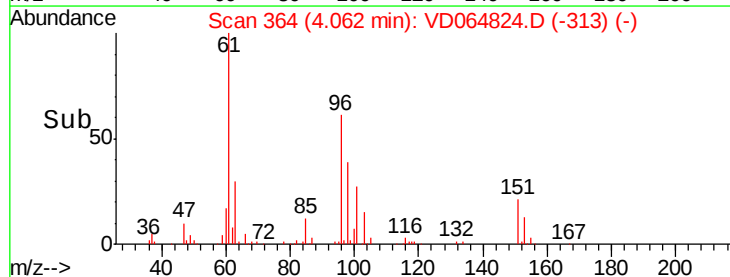
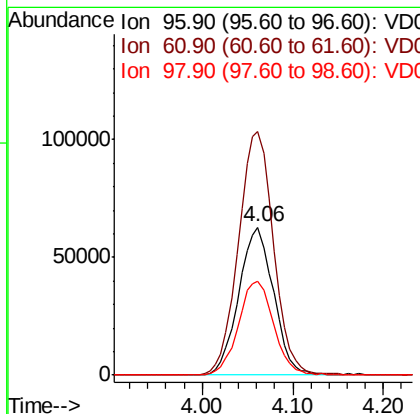
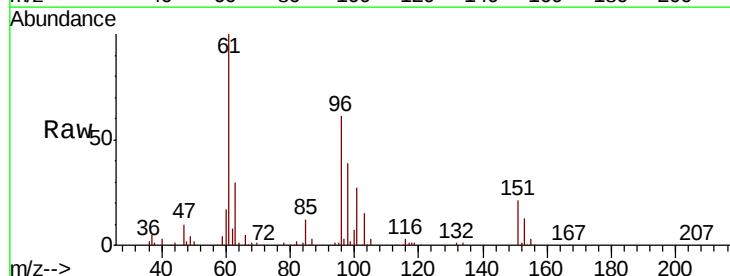
Tot Ion: 59 Resp: 28973
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

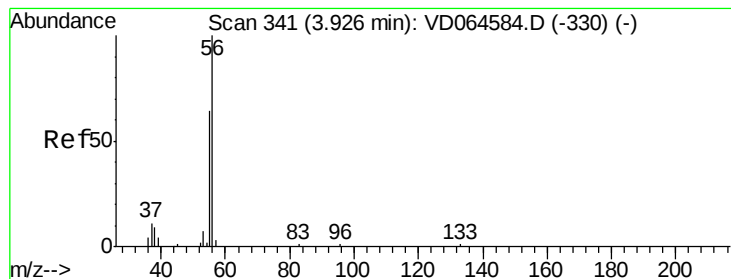


#12

1,1-Dichloroethene
 Concen: 22.404 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion: 96 Resp: 167585
 Ion Ratio Lower Upper
 96 100
 61 164.3 129.4 194.0
 98 63.6 51.4 77.0





#13

Acrolein

Concen: 9.589 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

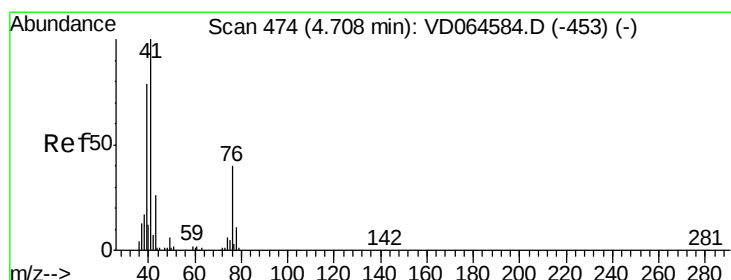
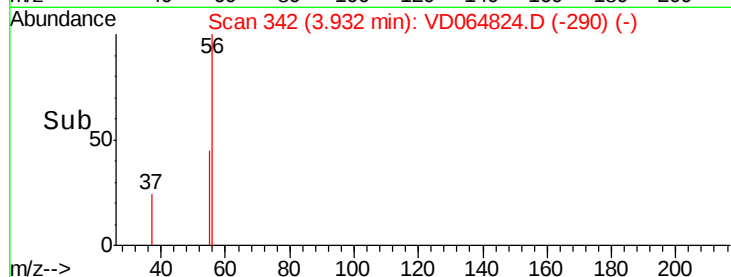
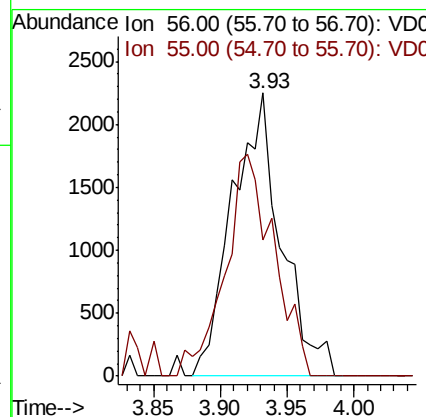
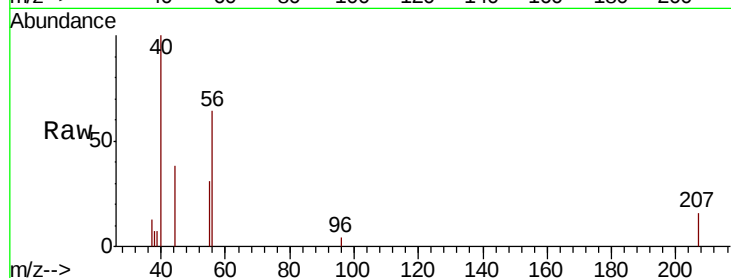
ClientSampleId :

Tot Ion: 56 Resp: 5742

Ion Ratio Lower Upper

56 100

55 78.3 56.7 85.1



#14

Allyl chloride

Concen: 21.012 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

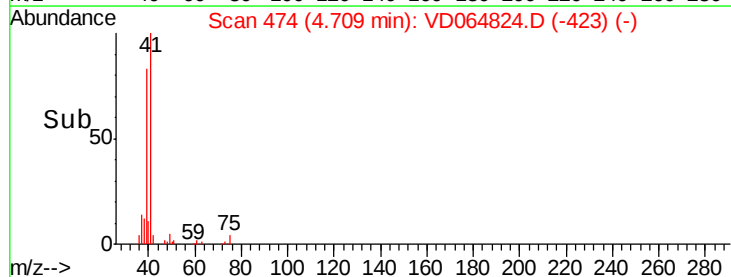
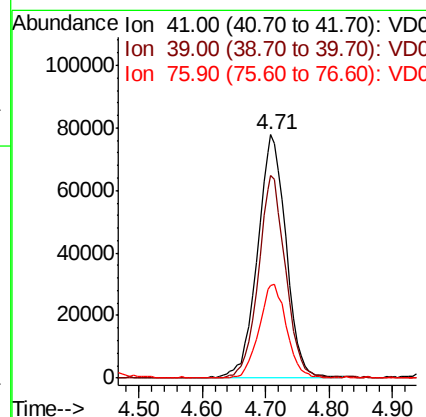
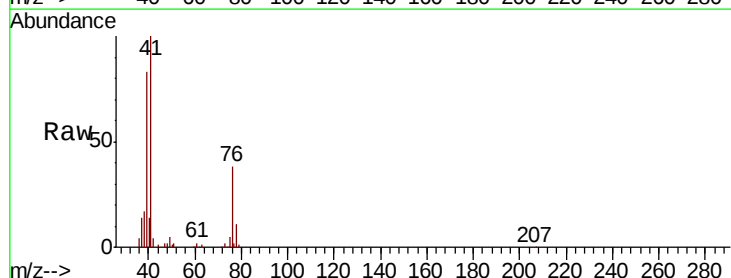
Tgt Ion: 41 Resp: 245053

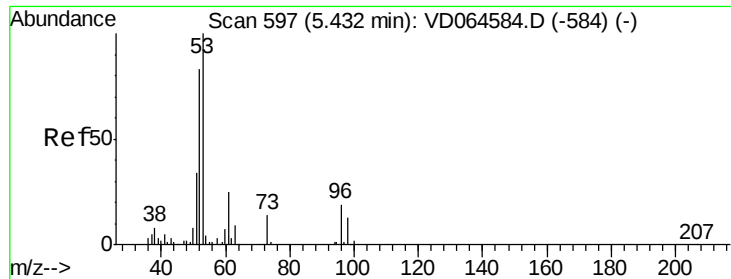
Ion Ratio Lower Upper

41 100

39 79.3 62.3 93.5

76 37.4 29.7 44.5

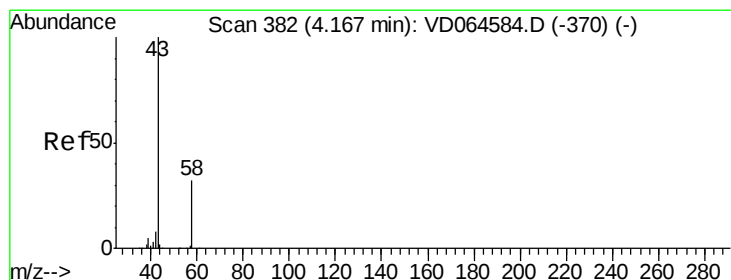
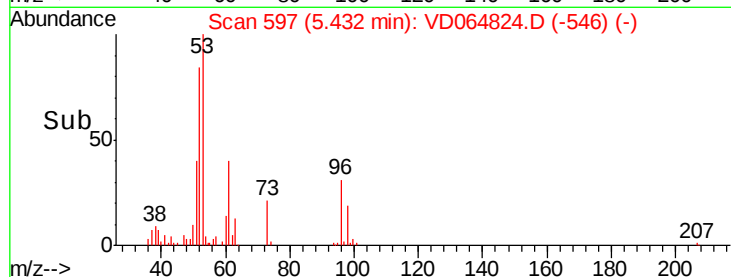
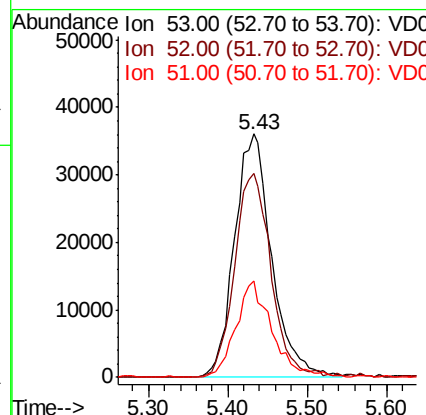
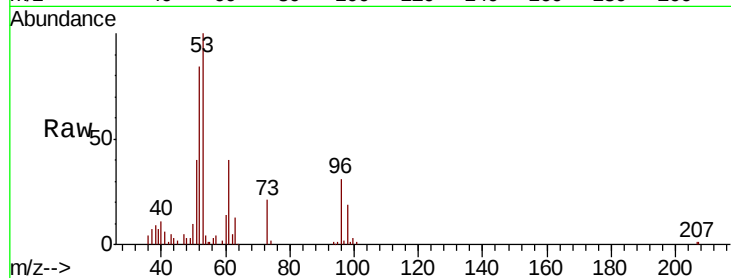




#15
 Acrylonitrile
 Concen: 74.575 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

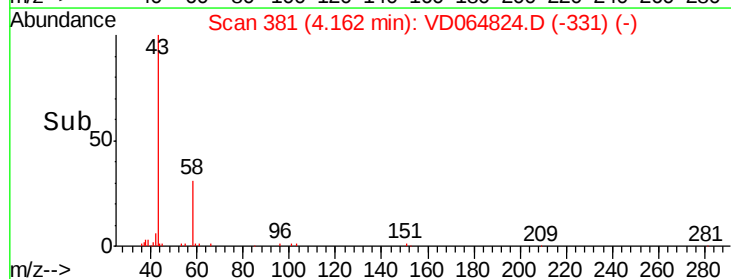
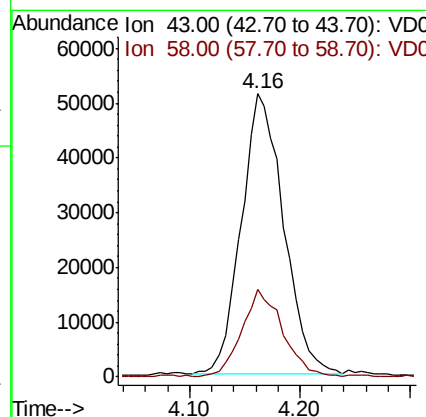
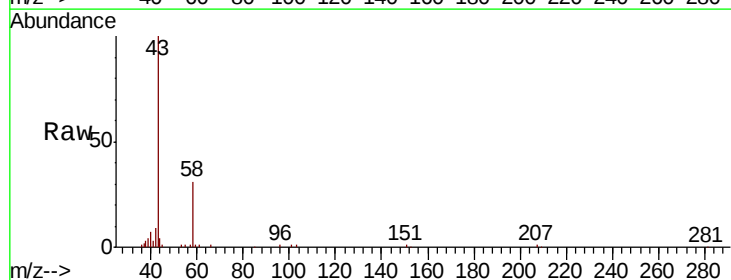
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 53 Resp: 117022
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.2 99.2
 51 38.4 30.1 45.1



#16
 Acetone
 Concen: 83.145 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 137144
 Ion Ratio Lower Upper
 43 100
 58 31.2 25.8 38.6

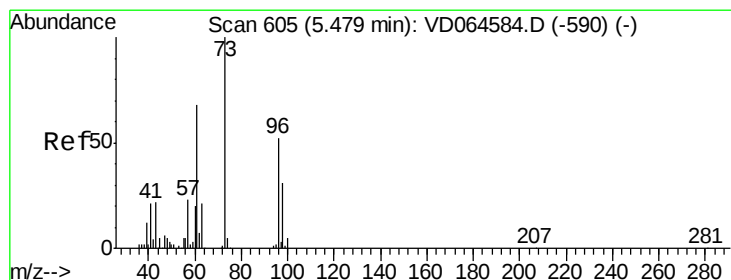
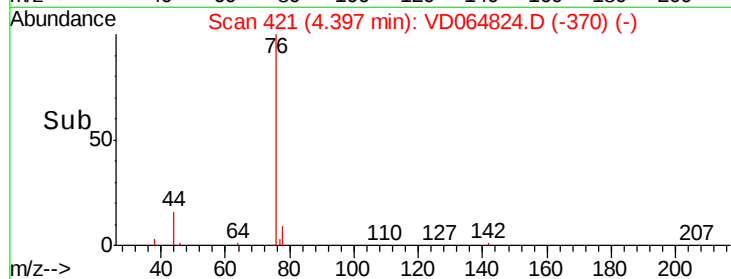
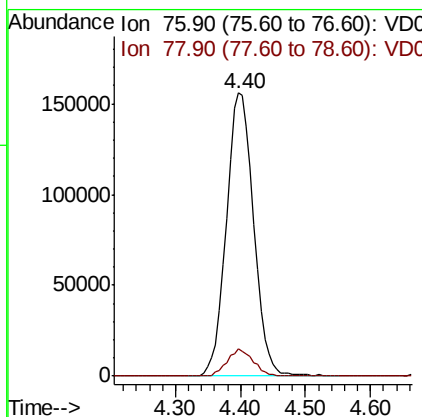
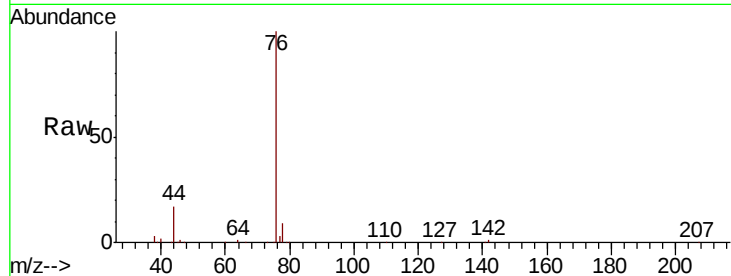




#17
Carbon Disulfide
Concen: 18.733 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

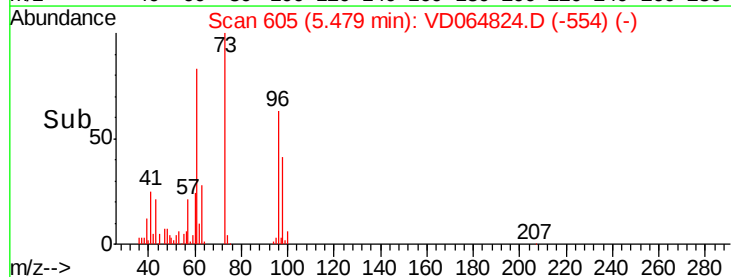
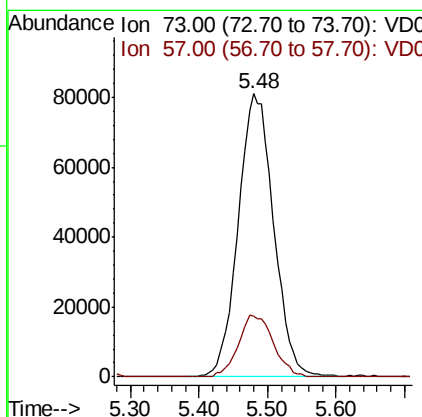
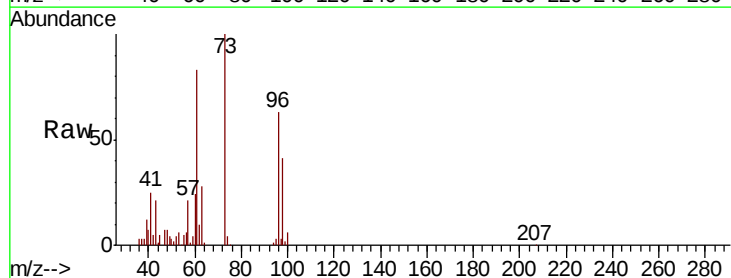
Instrument :
MSVOA_D
ClientSampleId :

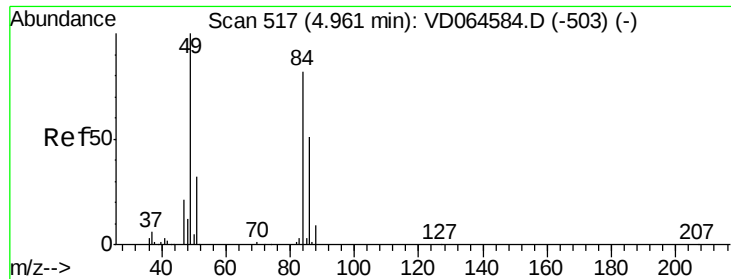
Tot Ion: 76 Resp: 453083
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#19
Methyl tert-butyl Ether
Concen: 17.451 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 73 Resp: 289933
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8





#20

Methylene Chloride

Concen: 20.548 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 179625

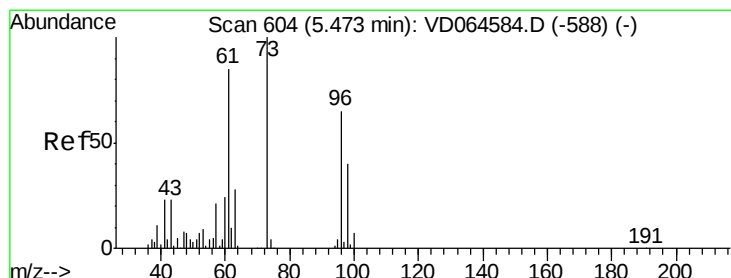
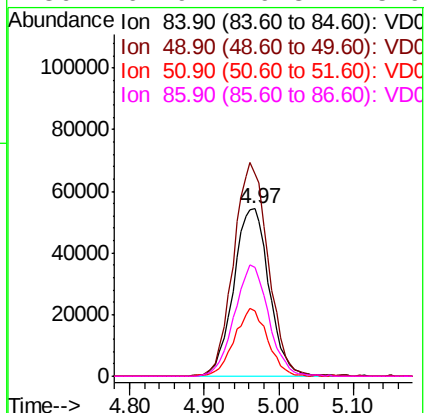
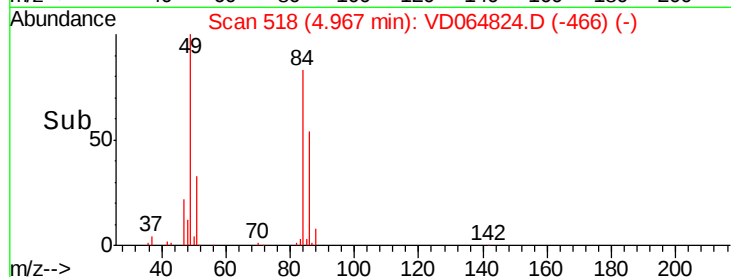
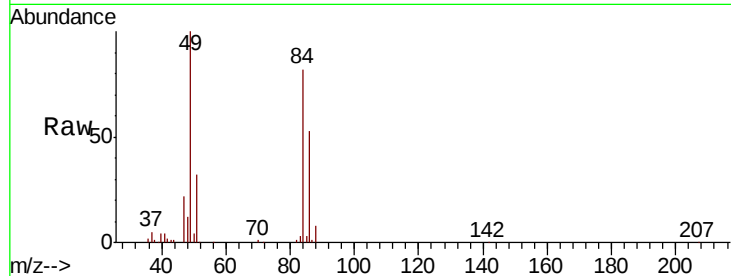
Ion	Ratio	Lower	Upper
84	100		
49	121.4	97.2	145.8
51	39.3	31.4	47.0
86	64.9	49.3	73.9

84 100

49 121.4 97.2 145.8

51 39.3 31.4 47.0

86 64.9 49.3 73.9



#21

trans-1,2-Dichloroethene

Concen: 20.785 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

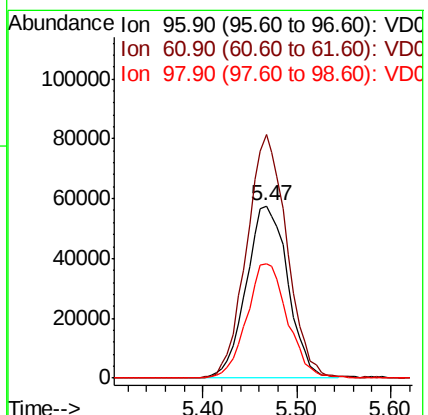
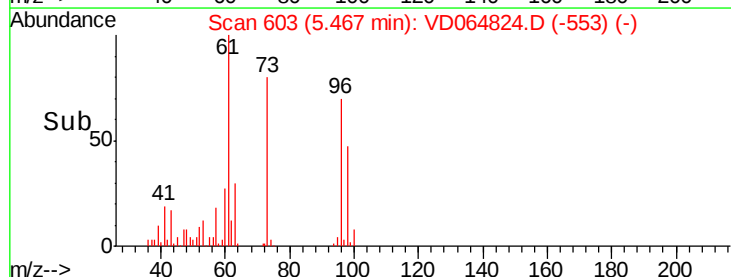
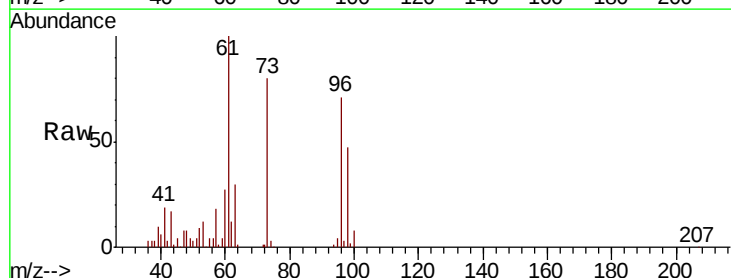
Tgt Ion: 96 Resp: 177056

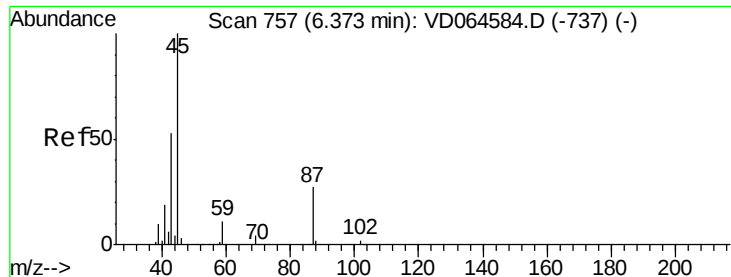
Ion	Ratio	Lower	Upper
96	100		
61	141.6	104.7	157.1
98	66.3	49.4	74.2

96 100

61 141.6 104.7 157.1

98 66.3 49.4 74.2





#22

Diisopropyl ether

Concen: 19.585 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 45 Resp: 455576

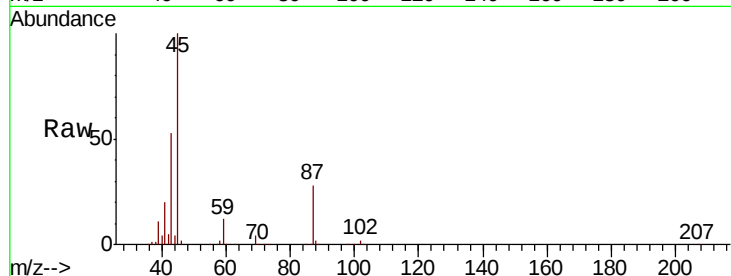
Ion Ratio Lower Upper

45 100

43 52.9 43.2 64.8

87 27.7 21.9 32.9

59 11.5 9.0 13.4

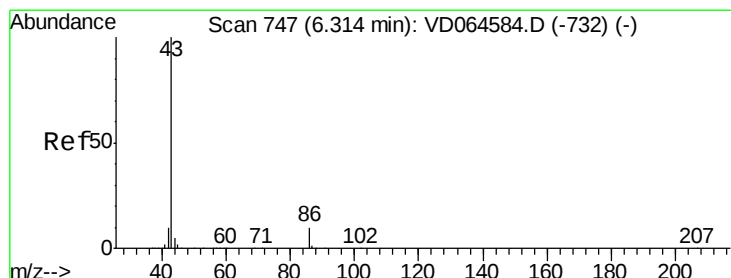
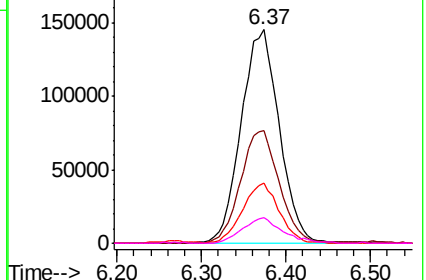
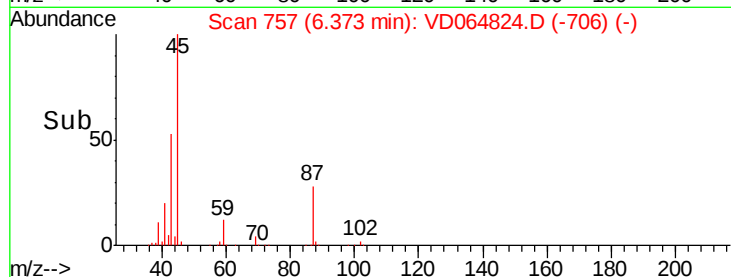


Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC



#23

Vinyl Acetate

Concen: 18.486 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

Lab File: VD064824.D

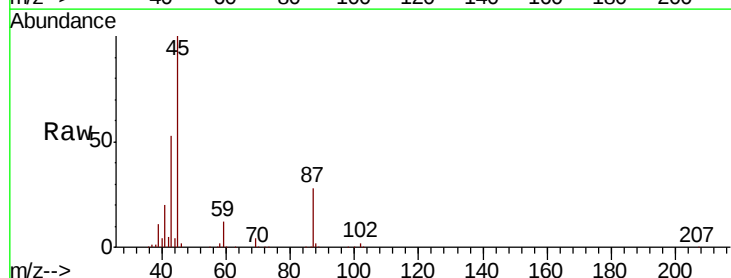
Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 243930

Ion Ratio Lower Upper

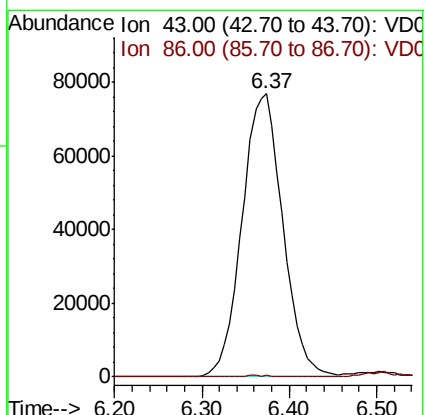
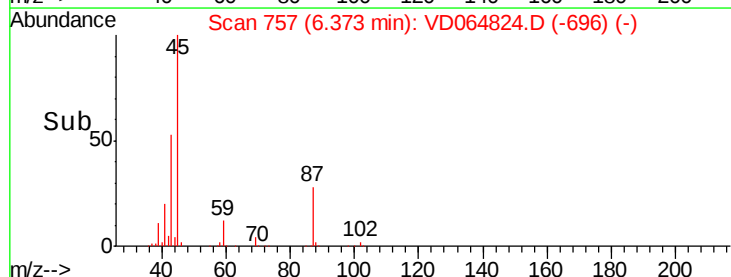
43 100

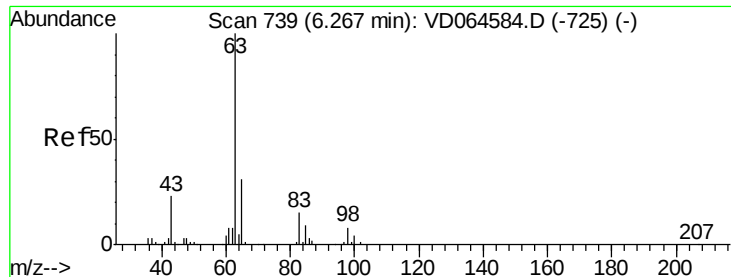
86 0.6 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 22.396 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064824.D

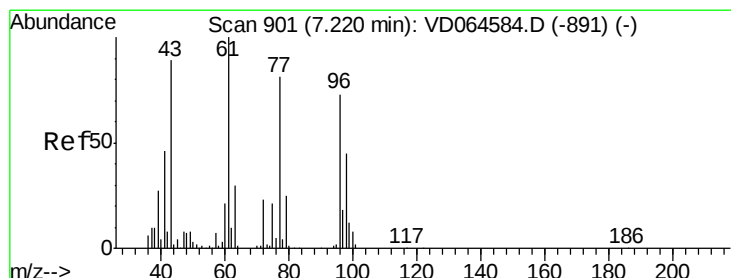
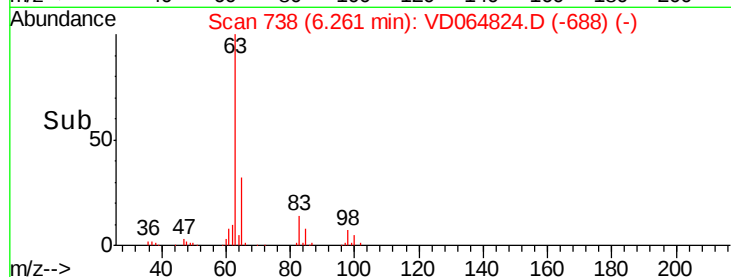
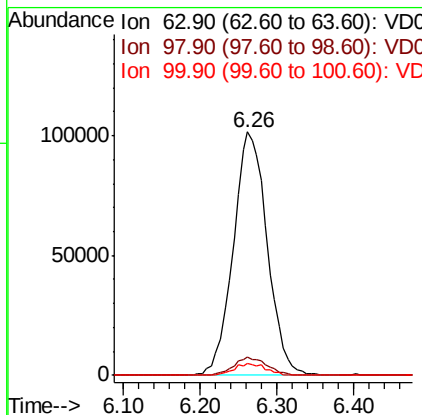
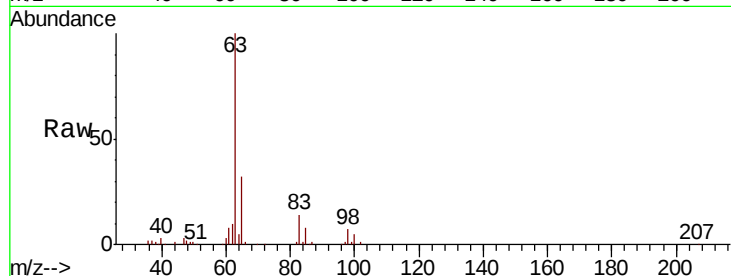
Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	63	Resp:	312757
Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.1	12.3
100	4.7	2.2	6.6



#25

2-Butanone

Concen: 76.229 ug/l

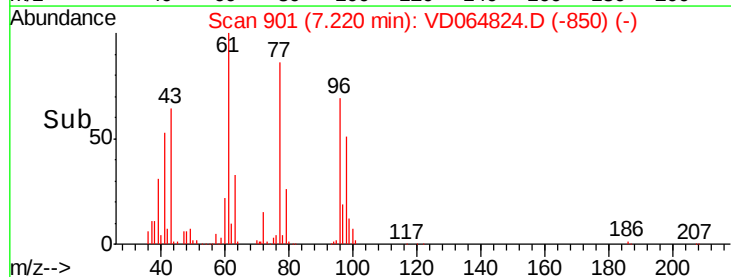
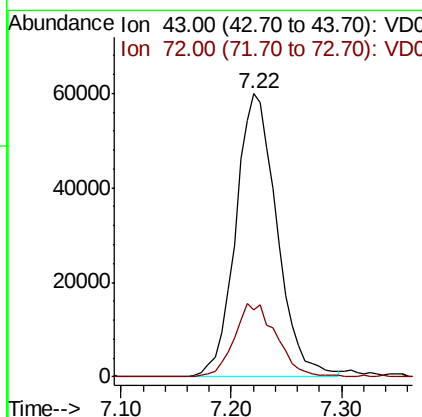
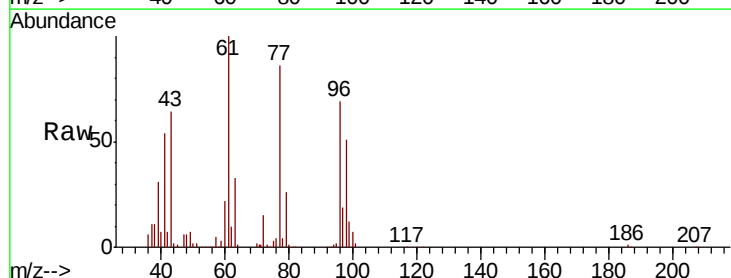
RT: 7.22 min Scan# 901

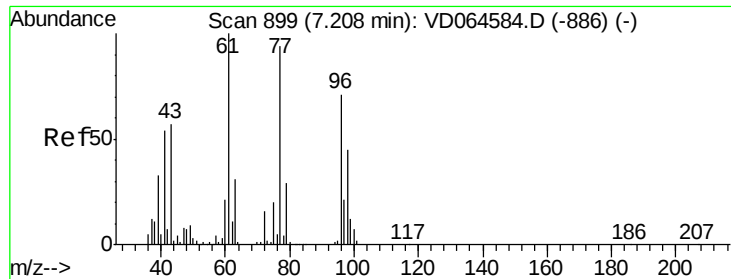
Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:	43	Resp:	157090
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.7	31.1

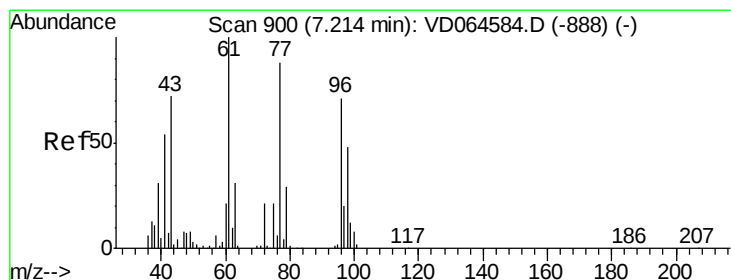
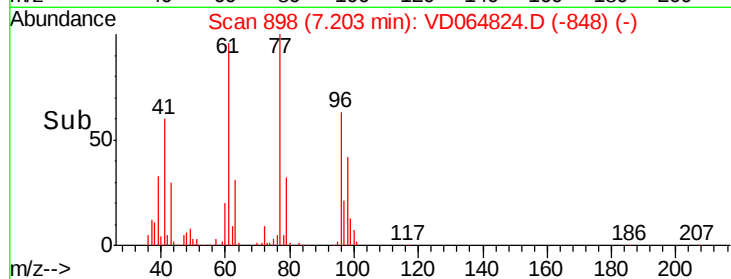
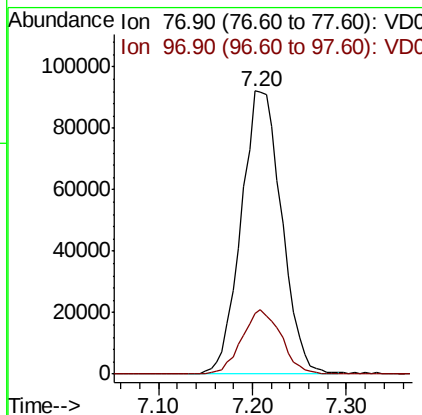
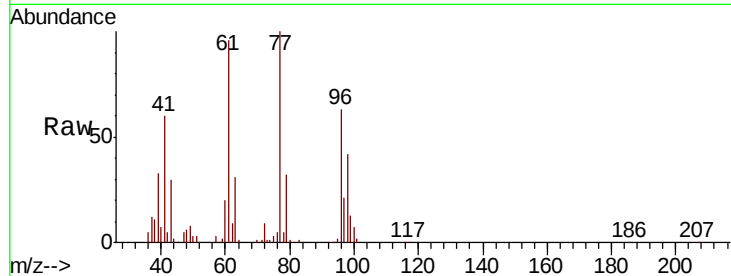




#26
 2,2-Dichloropropane
 Concen: 21.168 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

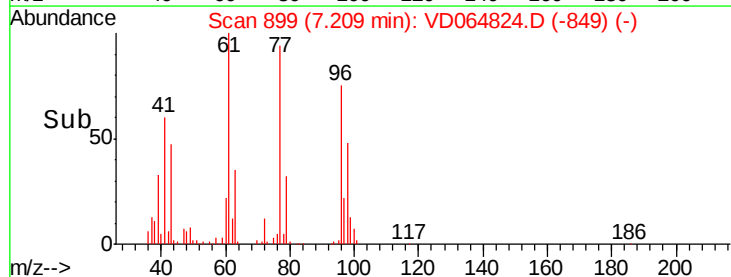
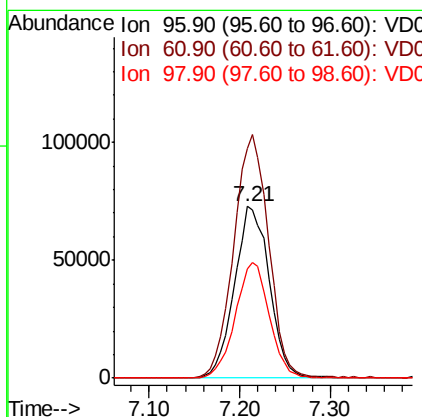
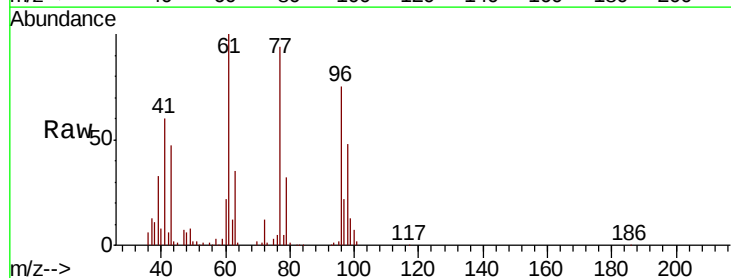
Instrument :
 MSVOA_D
 ClientSampled :

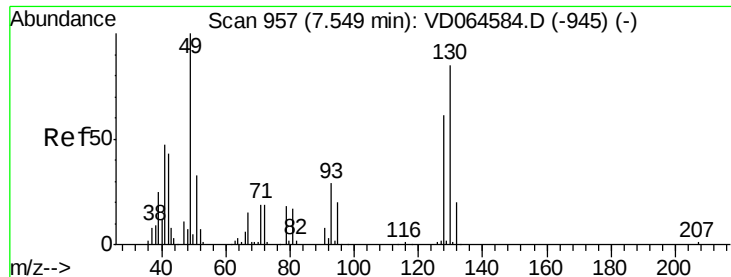
Tot Ion: 77 Resp: 274832
 Ion Ratio Lower Upper
 77 100
 97 22.0 11.2 33.6



#27
 cis-1,2-Dichloroethene
 Concen: 21.196 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion: 96 Resp: 194867
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 282.6
 98 65.3 0.0 130.8





#28

Bromochloromethane

Concen: 19.510 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampled :

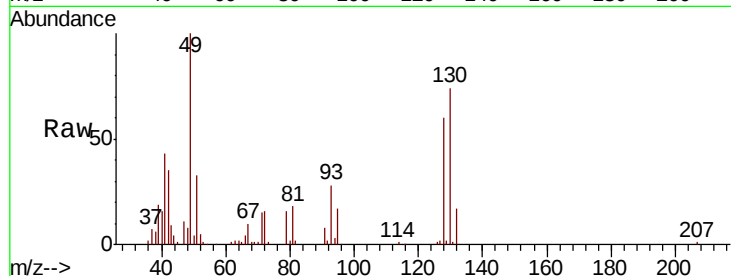
Tot Ion: 49 Resp: 105908

Ion Ratio Lower Upper

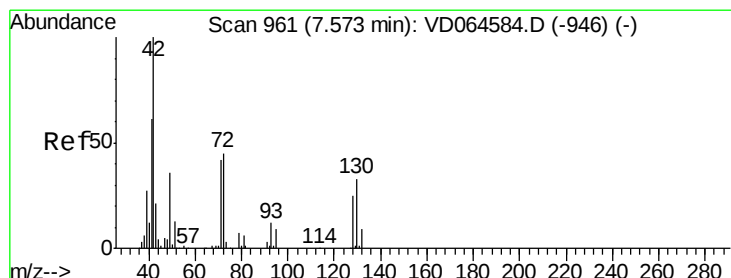
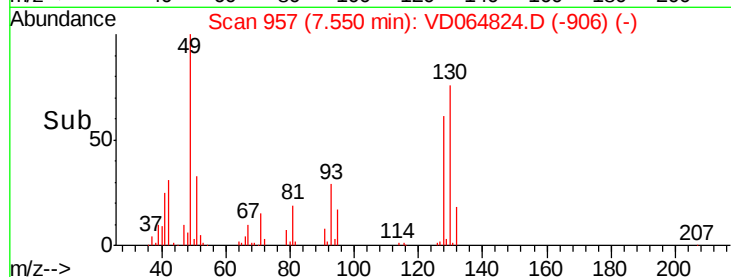
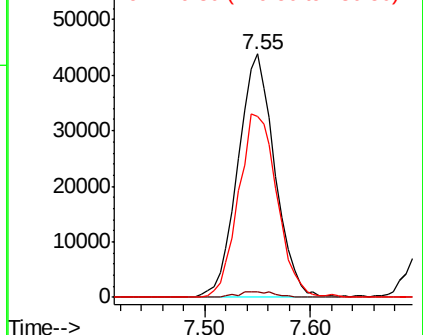
49 100

129 2.5 0.0 4.8

130 78.9 65.0 97.6



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



#29

Tetrahydrofuran

Concen: 71.983 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

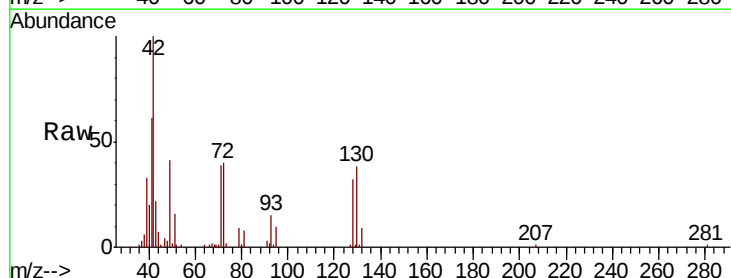
Tgt Ion: 42 Resp: 92249

Ion Ratio Lower Upper

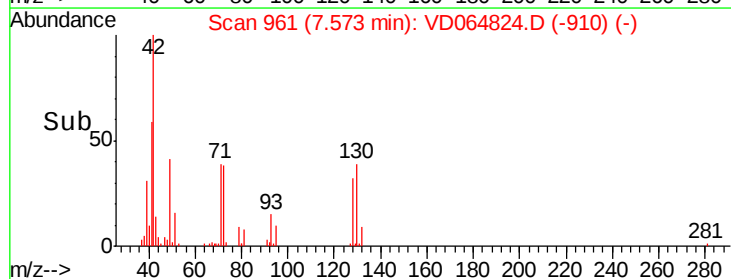
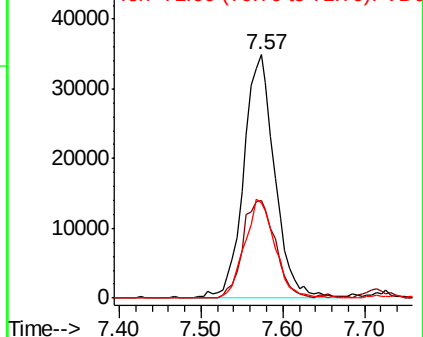
42 100

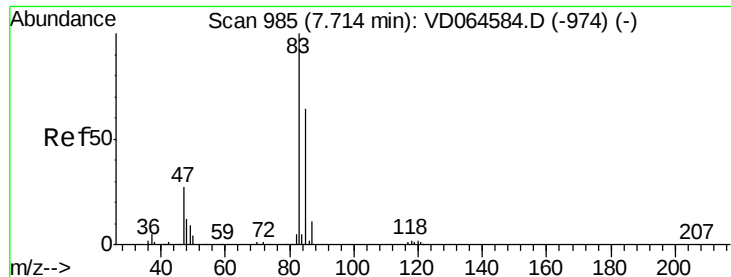
72 42.1 35.0 52.4

71 39.6 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

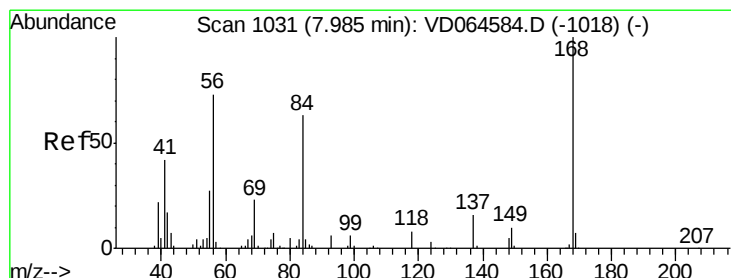
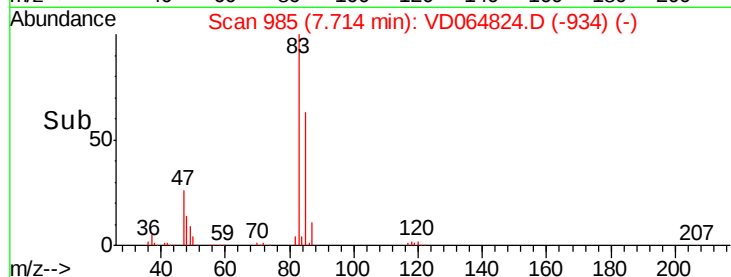
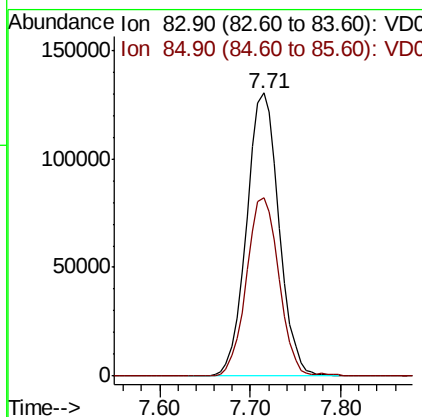
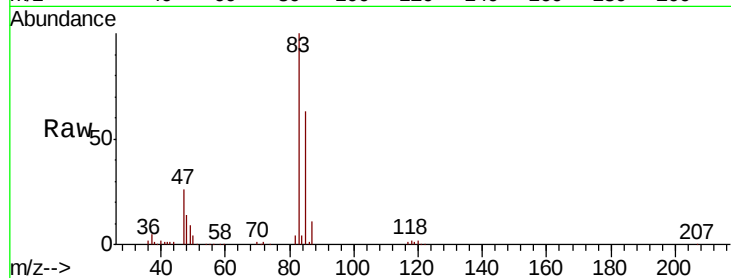




#30
Chloroform
Concen: 22.001 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

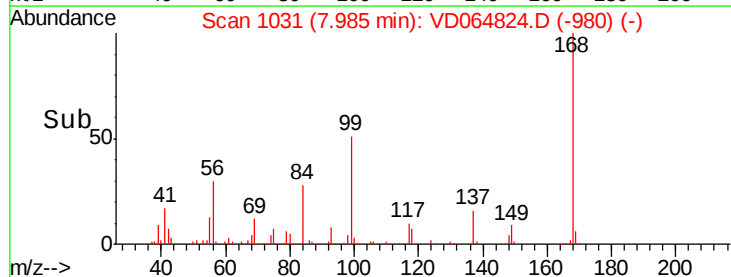
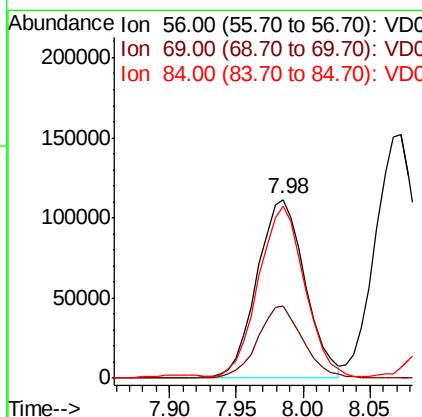
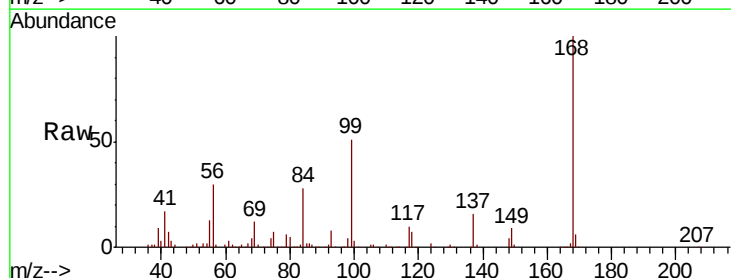
Instrument :
MSVOA_D
ClientSampled :

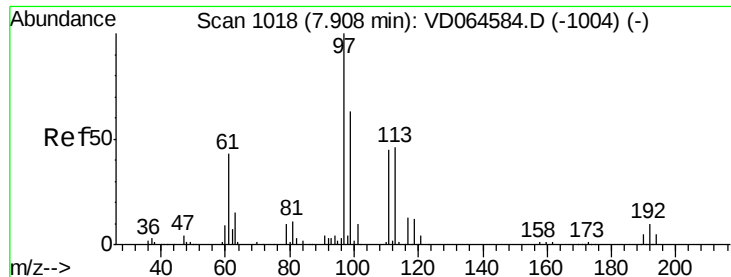
Tot Ion: 83 Resp: 322346
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7



#31
Cyclohexane
Concen: 19.883 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 56 Resp: 277940
Ion Ratio Lower Upper
56 100
69 40.3 24.7 37.1#
84 94.6 69.4 104.2

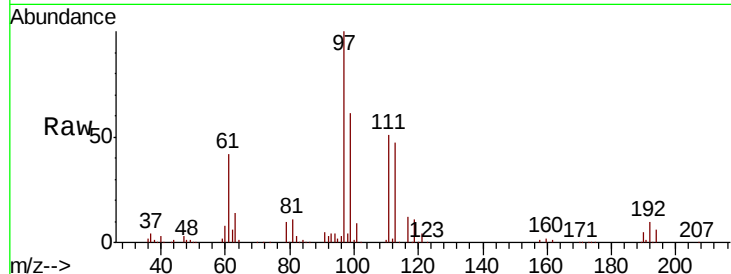




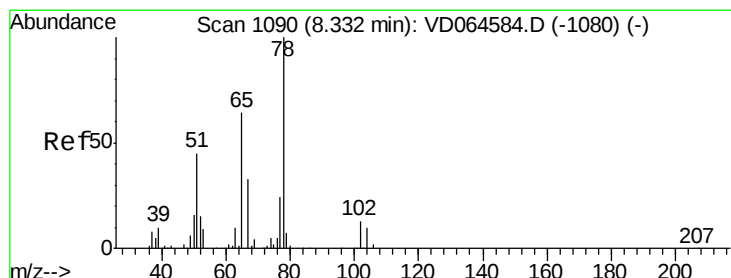
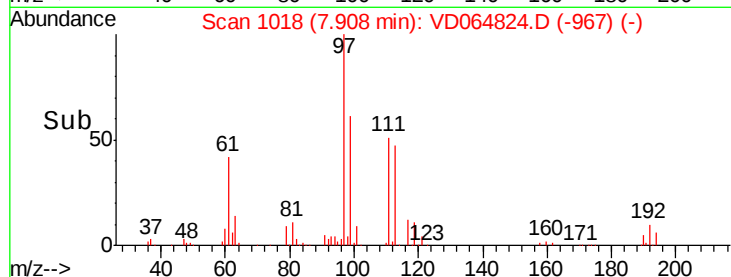
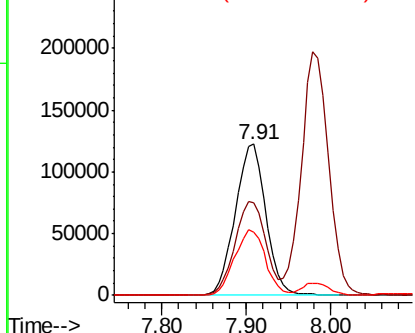
#32
 1,1,1-Trichloroethane
 Concen: 22.300 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	306879
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.0	76.6
61	43.5	35.4	53.0

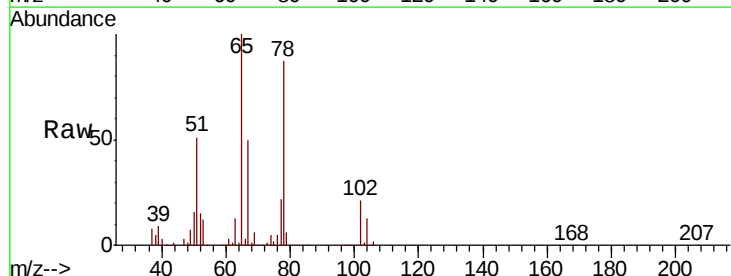


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC

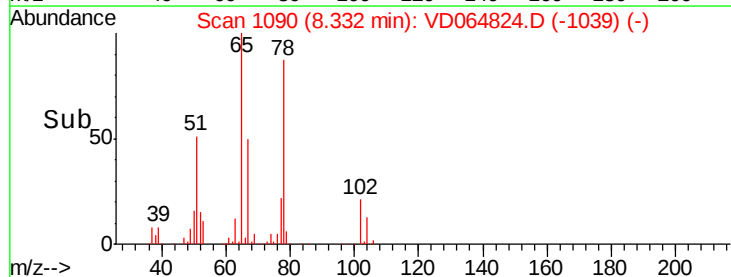
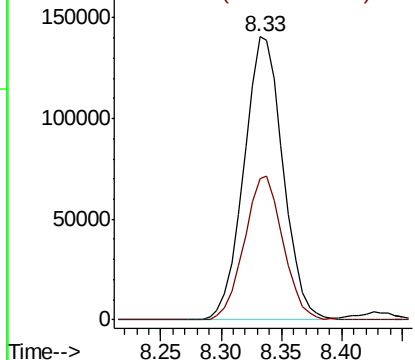


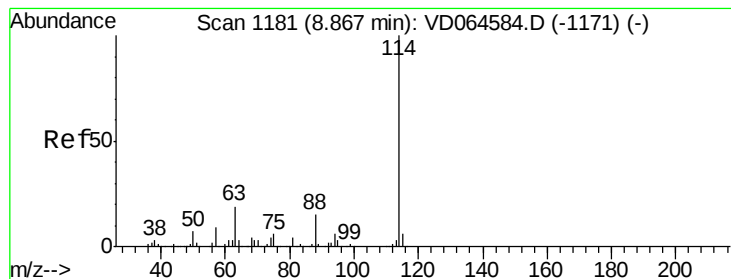
#33
 1,2-Dichloroethane-d4
 Concen: 42.217 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	65	Resp	316499
Ion Ratio	Lower	Upper	
65	100		
67	50.6	0.0	106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

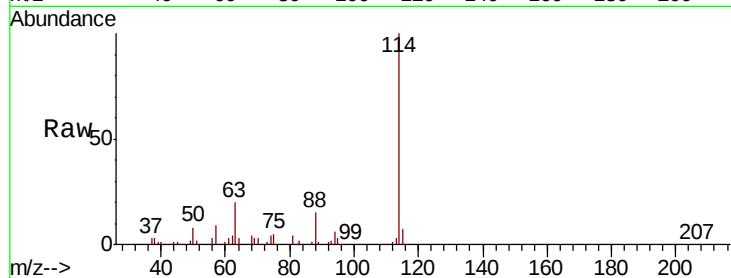
Tot Ion:114 Resp: 1263234

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 14.9 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

600000

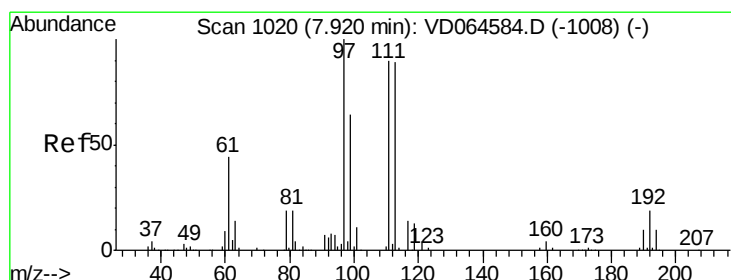
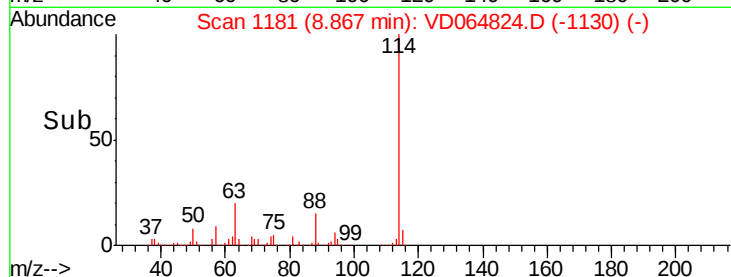
400000

200000

0

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 22.817 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

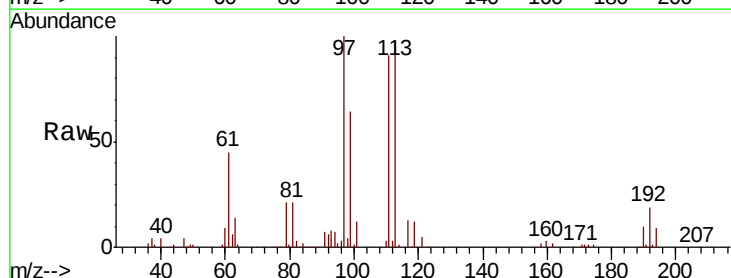
Tgt Ion:113 Resp: 176839

Ion Ratio Lower Upper

113 100

111 101.1 80.6 121.0

192 21.2 17.9 26.9



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

7.92

100000

80000

60000

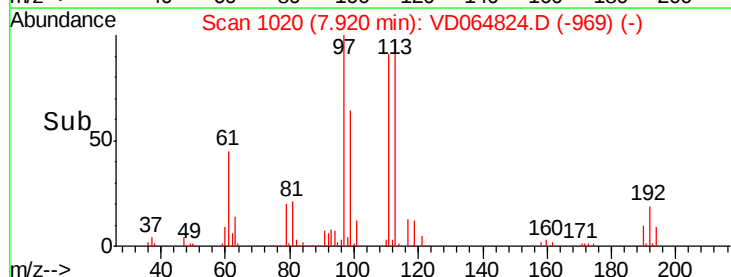
40000

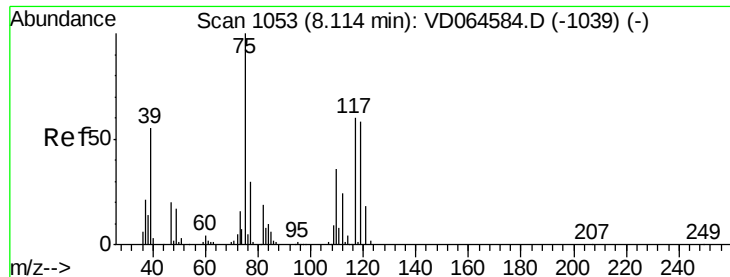
20000

0

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 20.576 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :

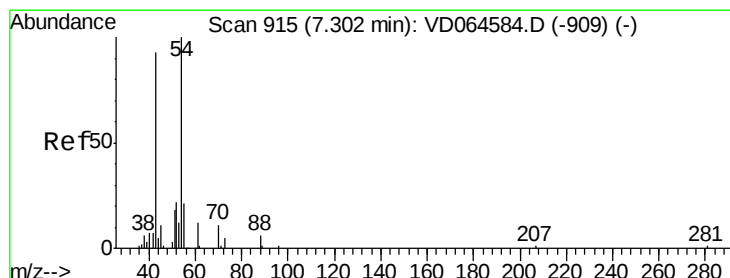
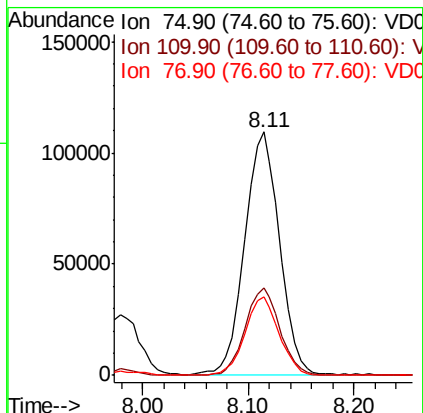
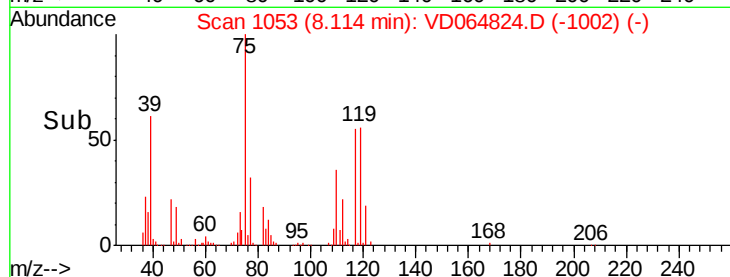
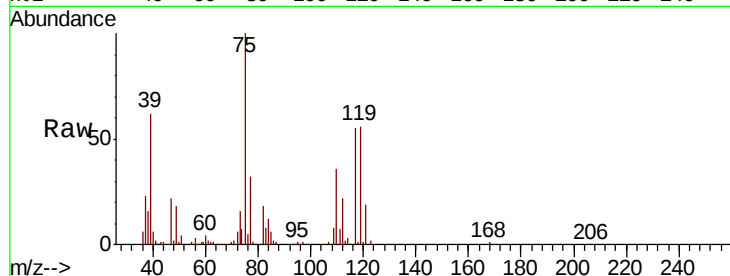
Tot Ion: 75 Resp: 250174

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.1

77 31.8 24.2 36.4



#37

Ethyl Acetate

Concen: 32.888 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

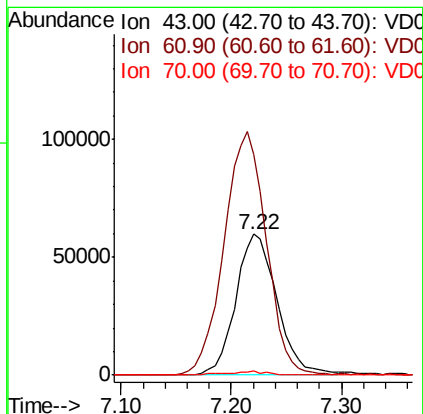
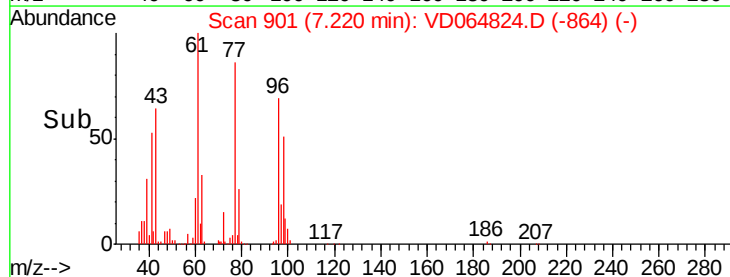
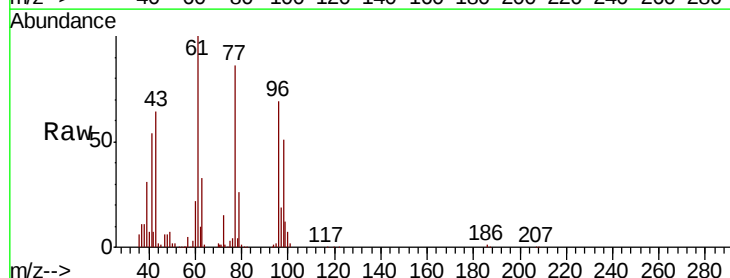
Tgt Ion: 43 Resp: 157090

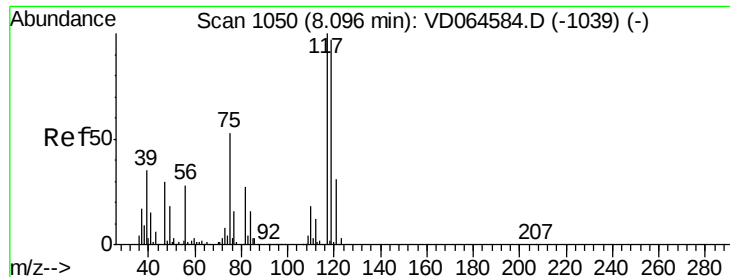
Ion Ratio Lower Upper

43 100

61 175.9 10.3 15.5#

70 2.5 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 21.333 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

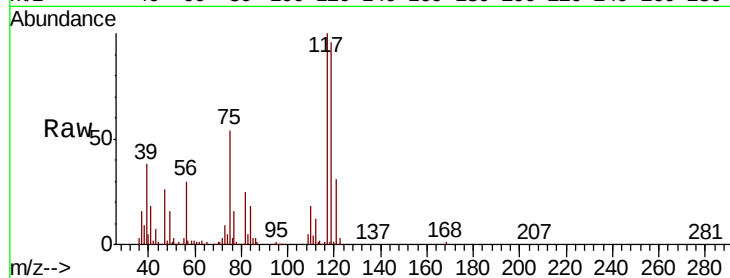
Tot Ion:117 Resp: 276576

Ion Ratio Lower Upper

117 100

119 96.3 77.3 115.9

121 30.8 25.0 37.6

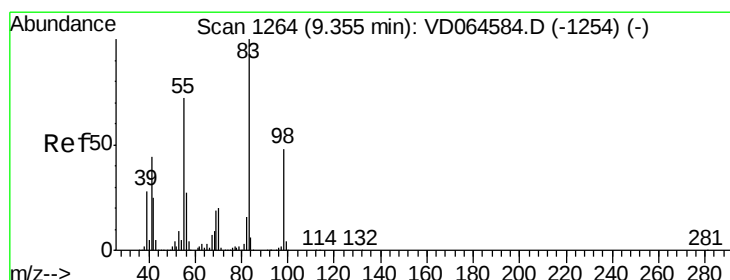
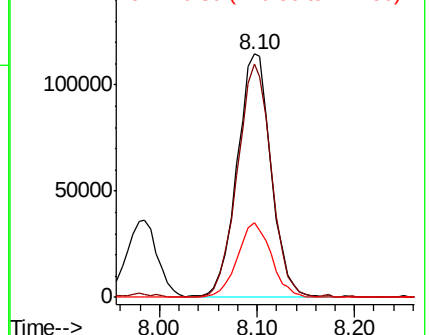
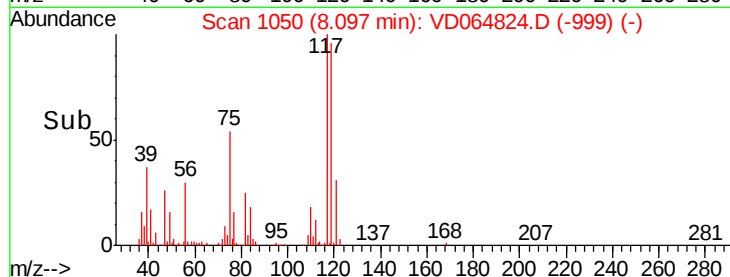


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 19.038 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

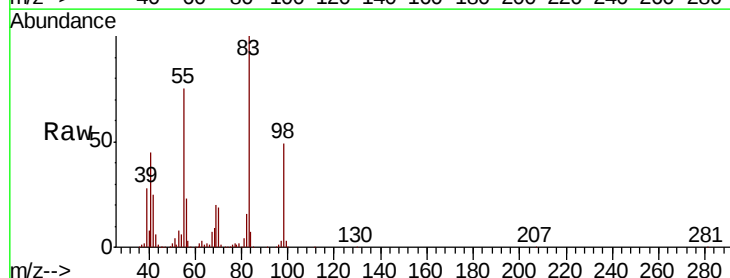
Tgt Ion: 83 Resp: 280359

Ion Ratio Lower Upper

83 100

55 74.9 57.8 86.6

98 49.5 38.7 58.1

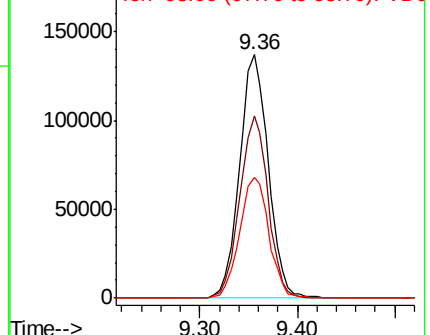
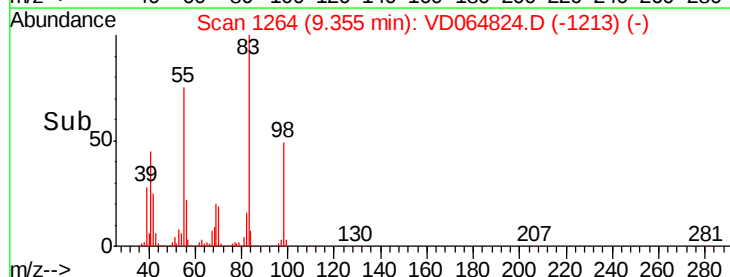


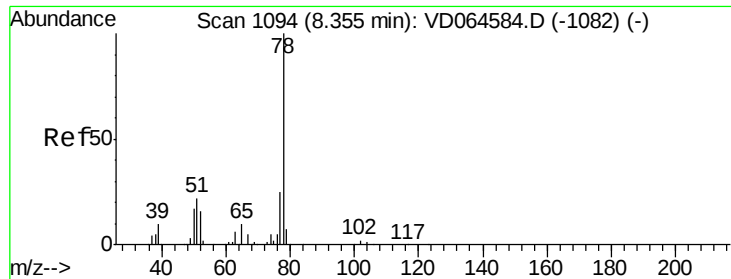
Abundance

Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 21.194 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

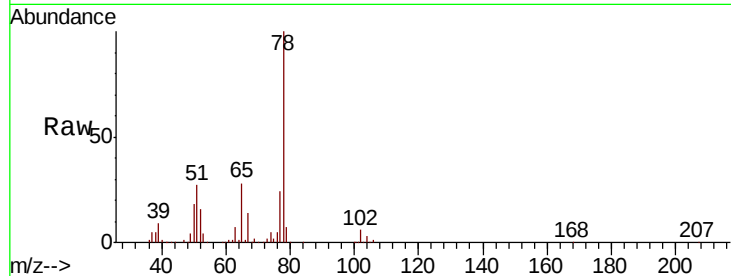
ClientSampleId :

Tot Ion: 78 Resp: 703476

Ion Ratio Lower Upper

78 100

77 23.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.35

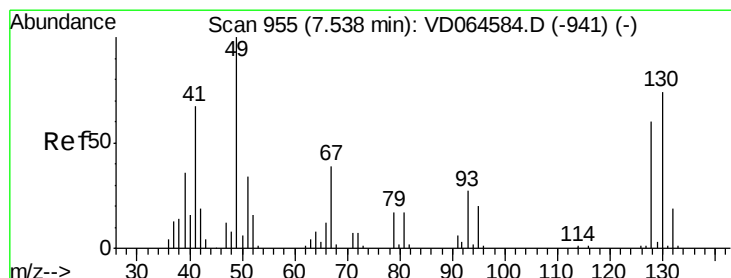
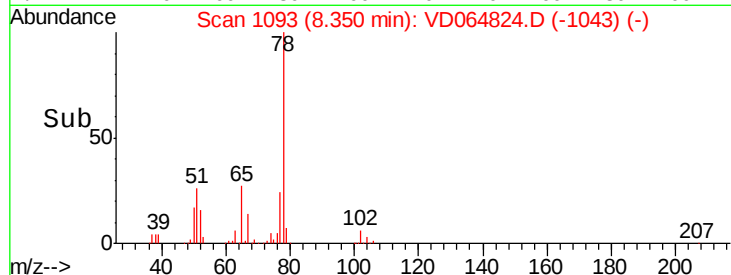
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 12.202 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion: 41 Resp: 33816

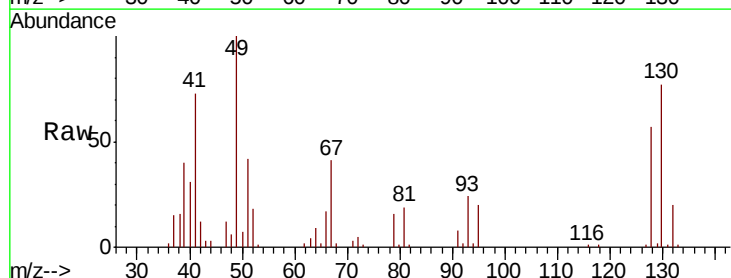
Ion Ratio Lower Upper

41 100

39 76.8 46.7 70.1#

67 85.1 52.5 78.7#

52 40.6 24.1 36.1#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

7.53

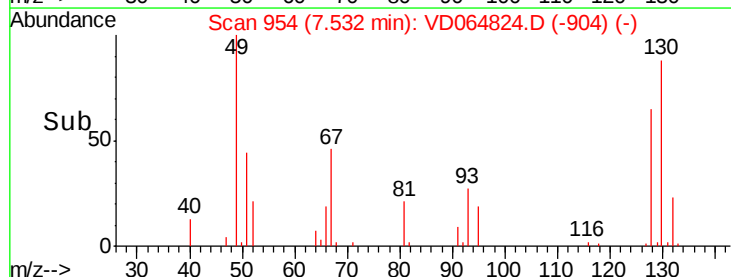
30000

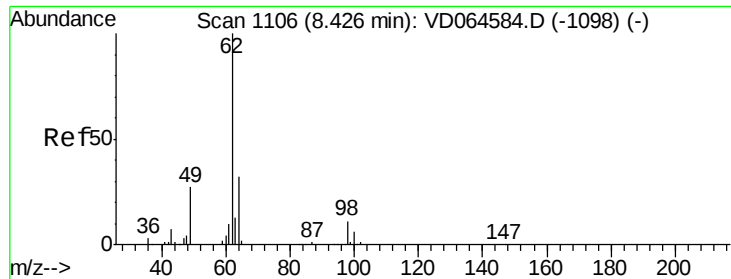
20000

10000

0

Time-->





#42

1,2-Dichloroethane

Concen: 18.701 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

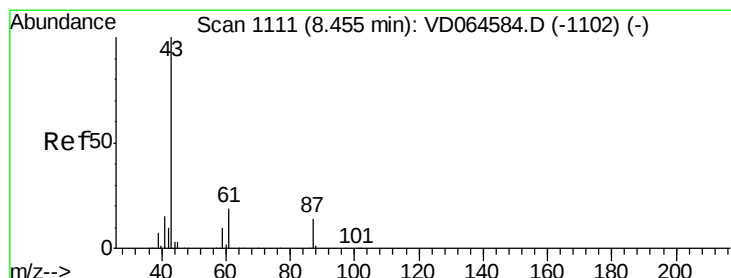
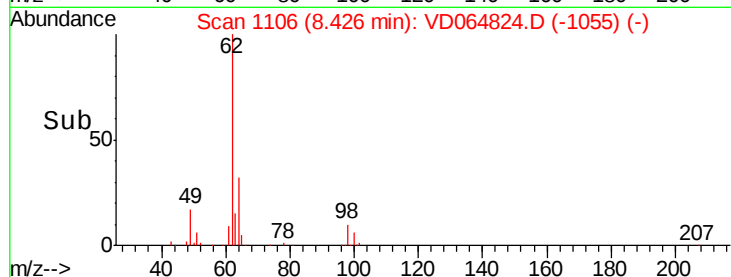
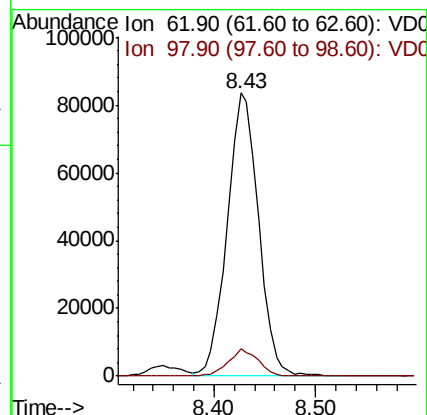
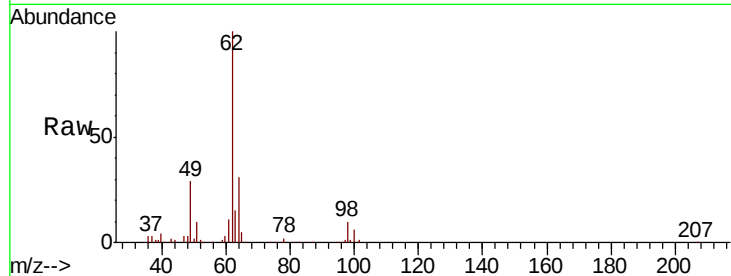
ClientSampleId :

Tot Ion: 62 Resp: 179376

Ion Ratio Lower Upper

62 100

98 9.2 0.0 20.0



#43

Isopropyl Acetate

Concen: 5.462 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

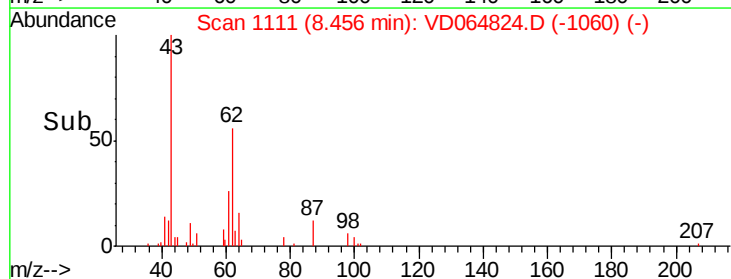
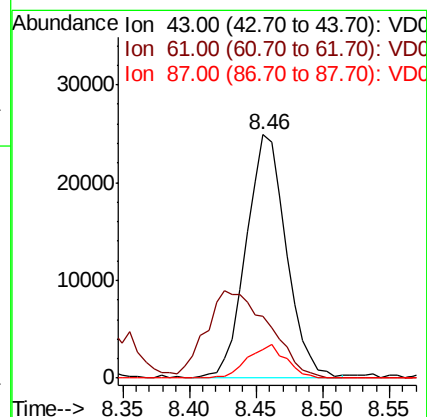
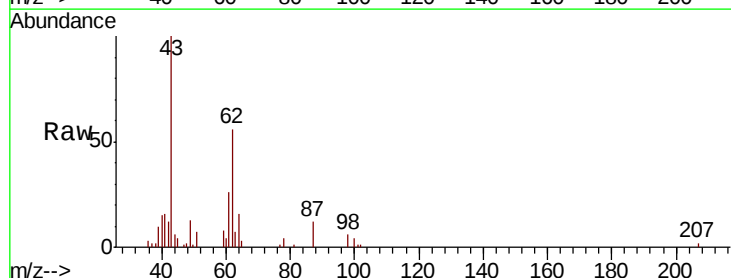
Tgt Ion: 43 Resp: 51932

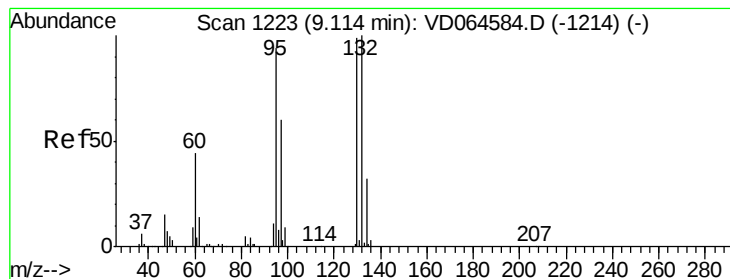
Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

87 13.1 10.5 15.7





#44

Trichloroethene

Concen: 38.378 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

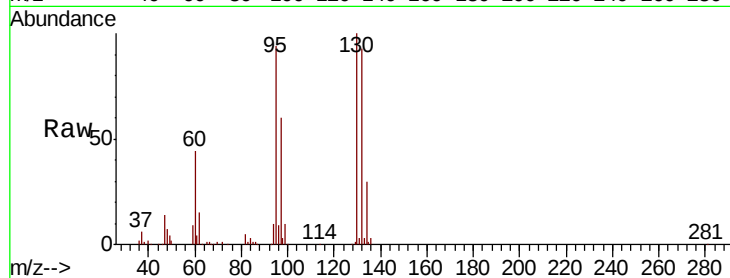
ClientSampleId :

Tot Ion:130 Resp: 374210

Ion Ratio Lower Upper

130 100

95 94.1 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.11

200000

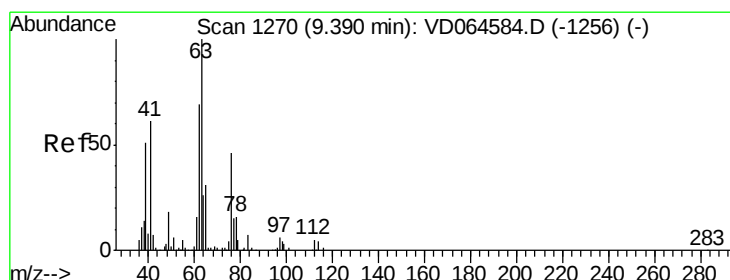
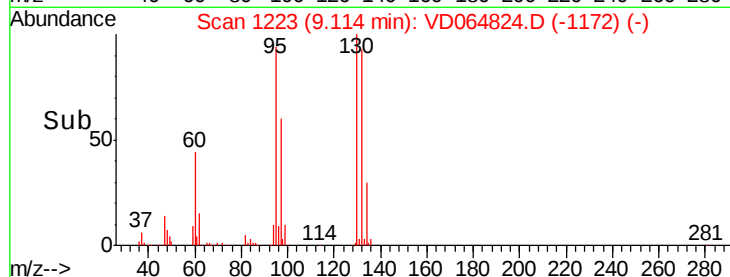
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 20.819 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064824.D

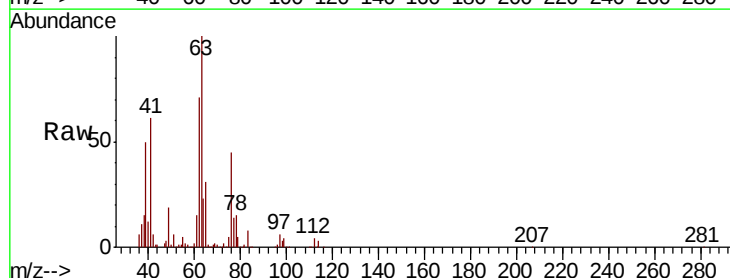
Acq: 09 Jan 2020 18:53

Tgt Ion: 63 Resp: 164991

Ion Ratio Lower Upper

63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

80000

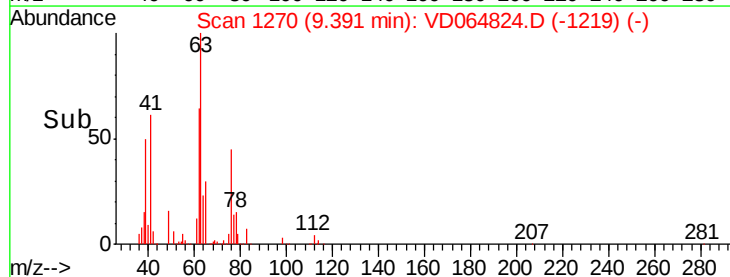
60000

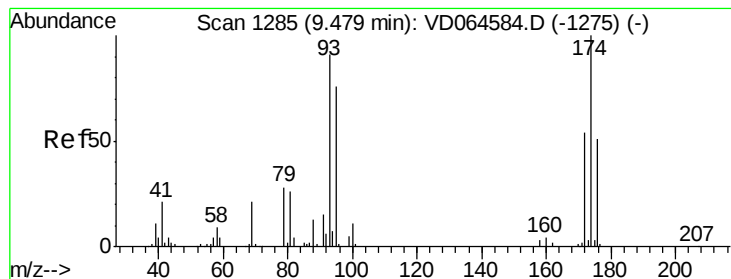
40000

20000

0

Time-->





#46

Dibromomethane

Concen: 16.649 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

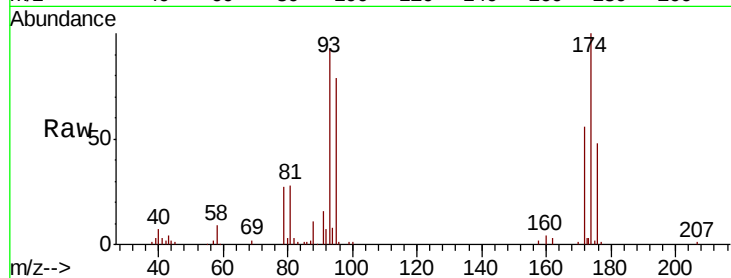
Tot Ion: 93 Resp: 73564

Ion Ratio Lower Upper

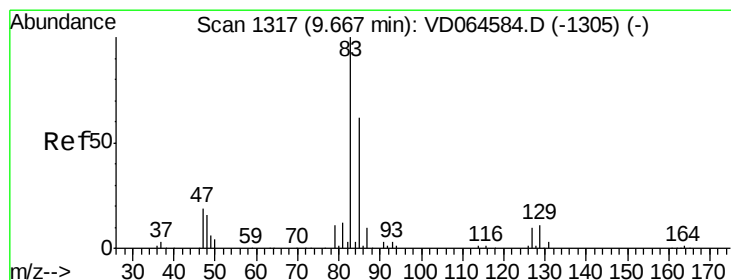
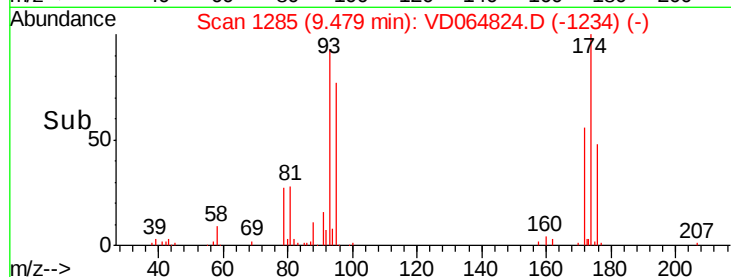
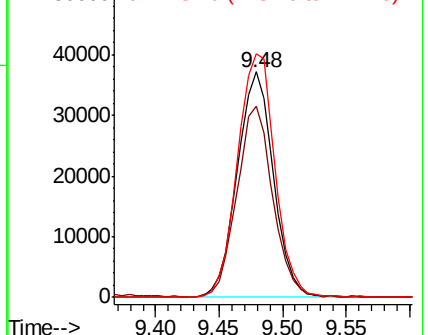
93 100

95 84.4 64.6 97.0

174 112.2 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 19.557 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

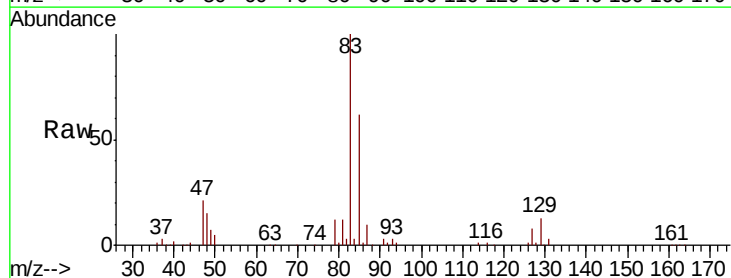
Tgt Ion: 83 Resp: 229936

Ion Ratio Lower Upper

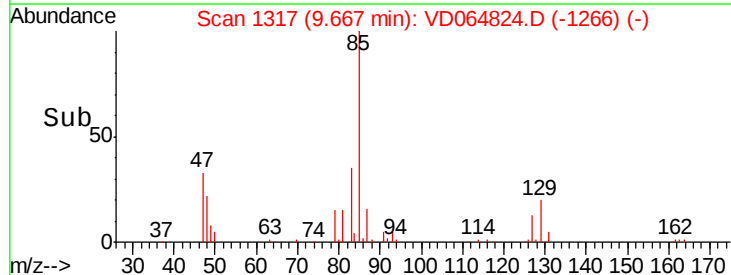
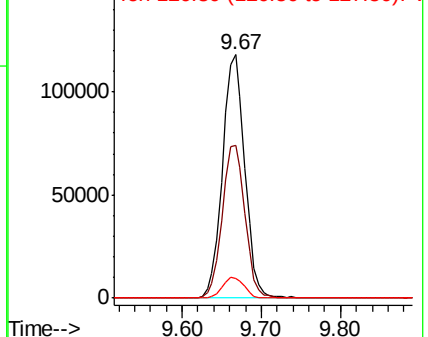
83 100

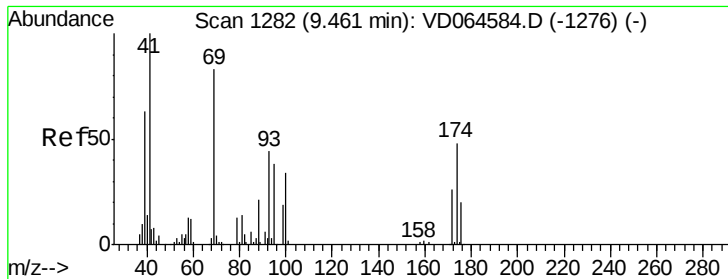
85 62.5 49.5 74.3

127 8.2 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

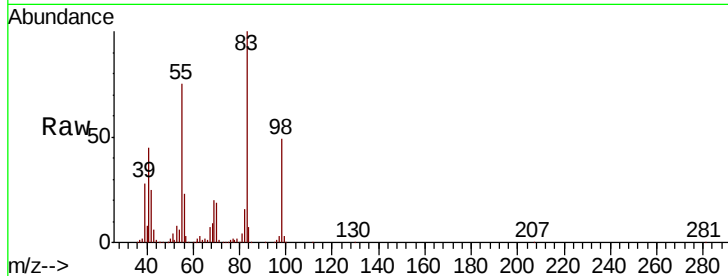




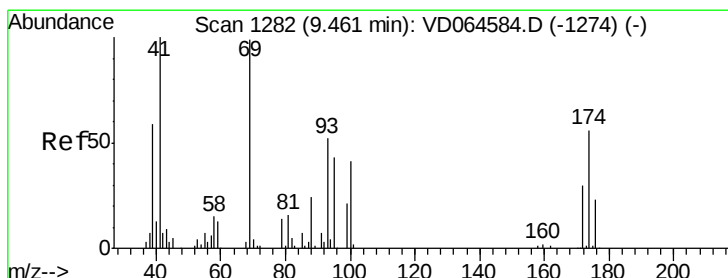
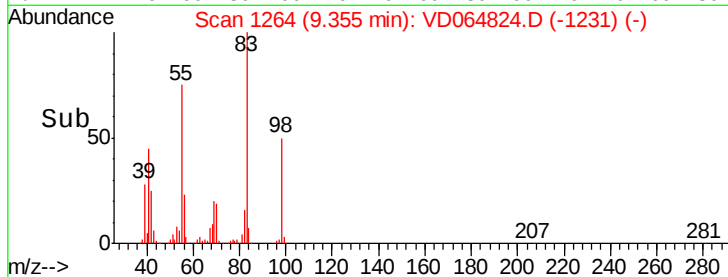
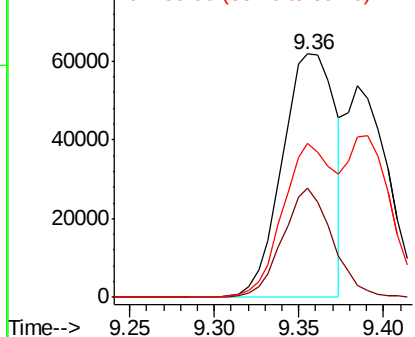
#48
Methvl methacrylate
Concen: 30.080 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.11 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 134653
Ion Ratio Lower Upper
41 100
69 42.0 63.0 94.6#
39 62.0 47.4 71.2

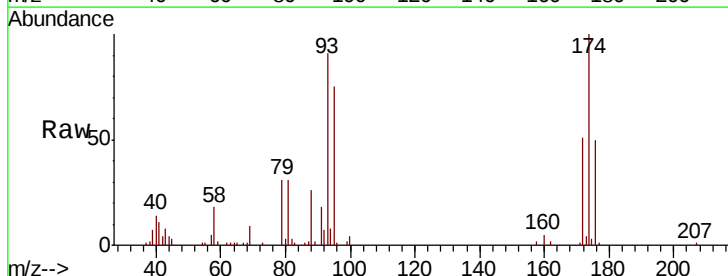


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

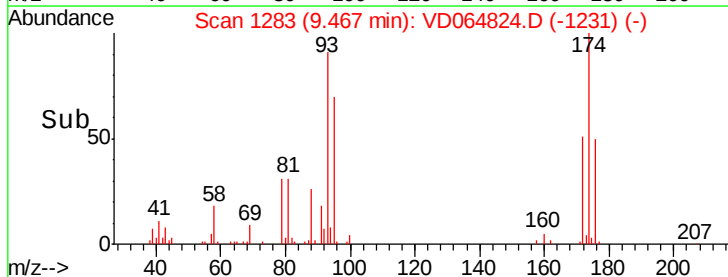
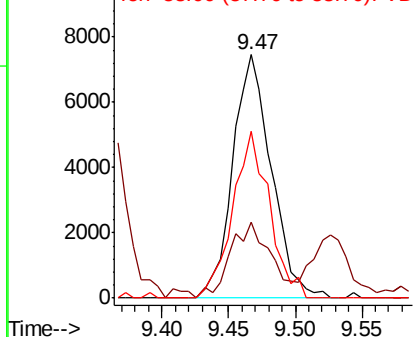


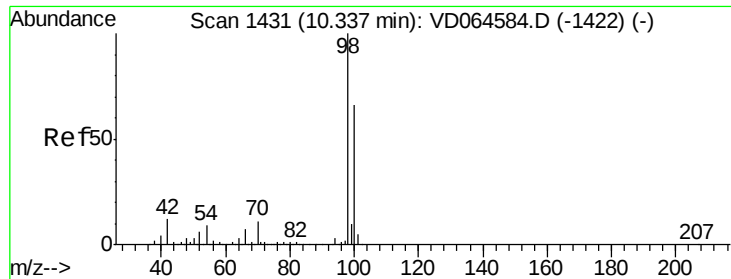
#49
1,4-Dioxane
Concen: 293.989 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 88 Resp: 14978
Ion Ratio Lower Upper
88 100
43 33.8 27.7 41.5
58 65.3 53.8 80.6



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

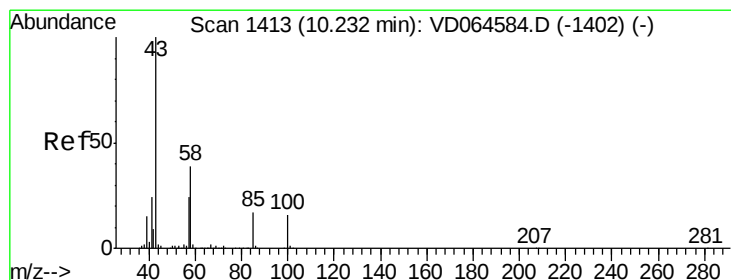
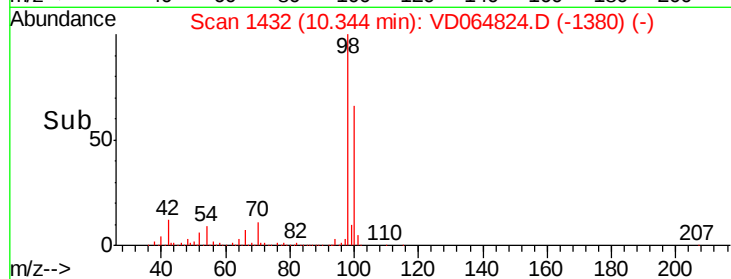
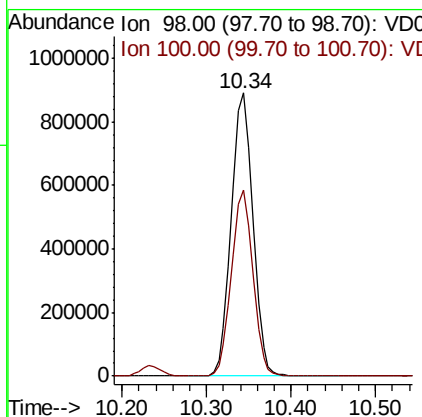
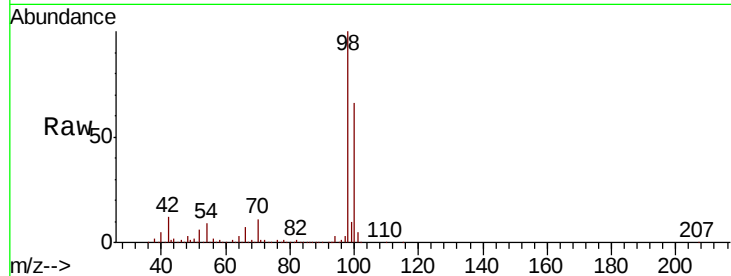




#50
Toluene-d8
Concen: 52.987 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

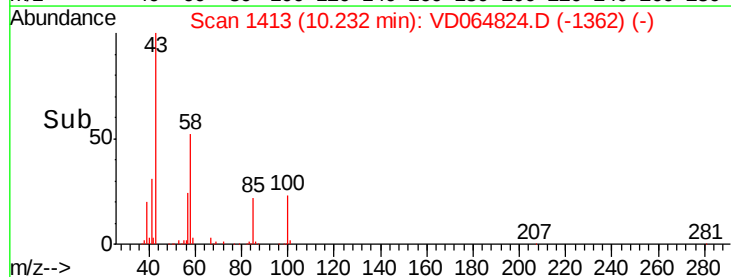
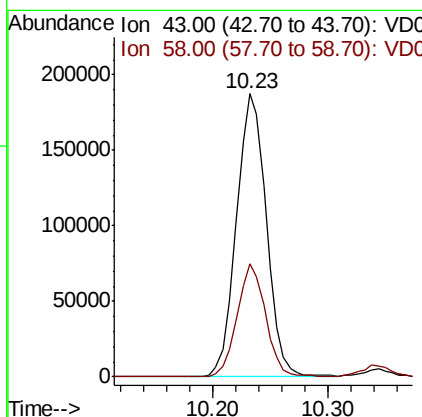
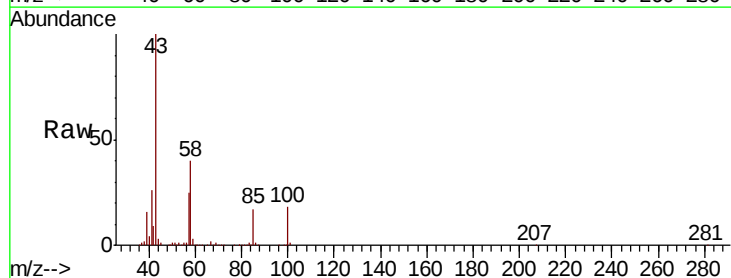
Instrument :
MSVOA_D
ClientSampleId :

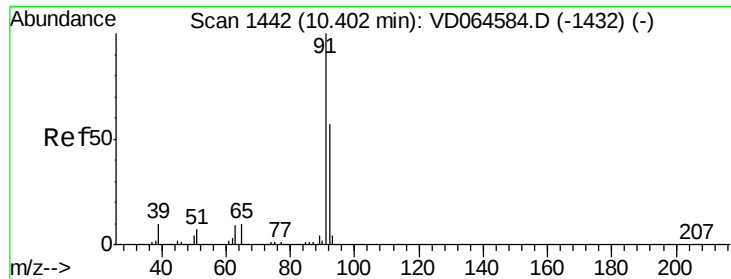
Tot Ion: 98 Resp: 1572788
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 71.798 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 337396
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2





#52

Toluene

Concen: 20.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

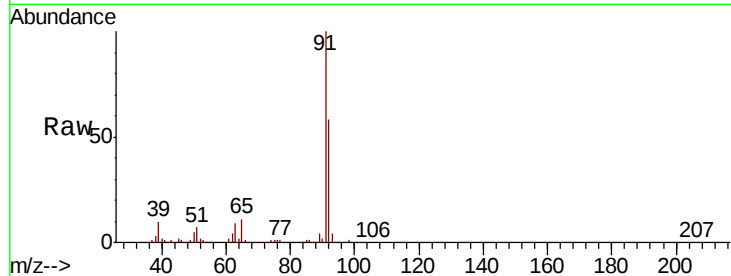
ClientSampleId :

Tot Ion: 92 Resp: 456512

Ion Ratio Lower Upper

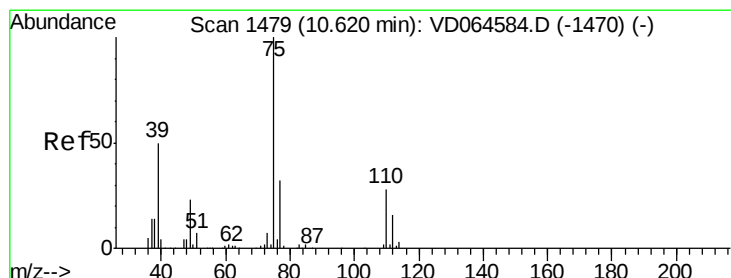
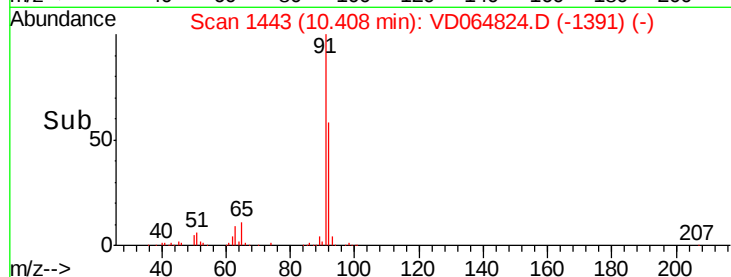
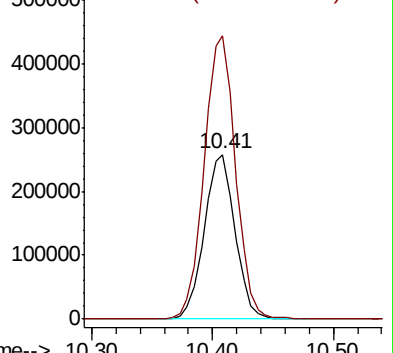
92 100

91 176.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 17.920 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064824.D

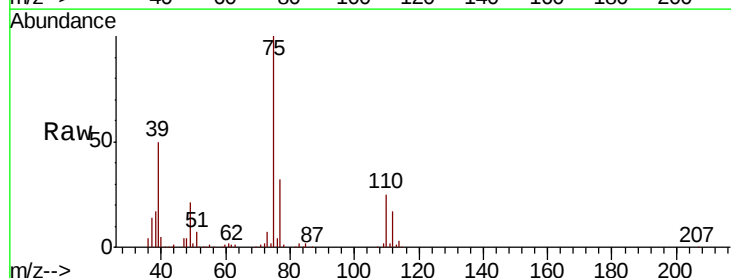
Acq: 09 Jan 2020 18:53

Tgt Ion: 75 Resp: 196431

Ion Ratio Lower Upper

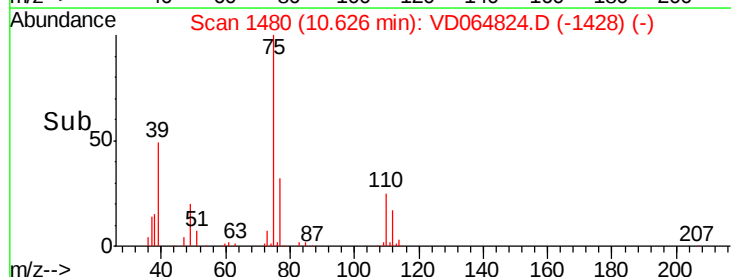
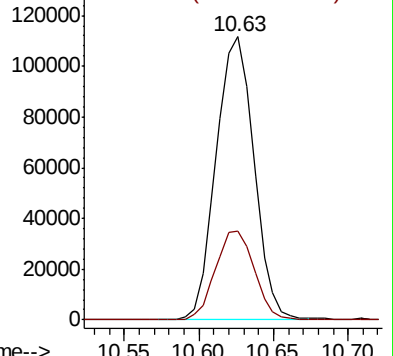
75 100

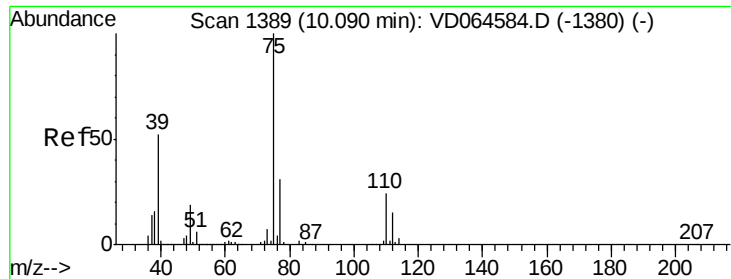
77 31.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC





#54

cis-1,3-Dichloropropene

Concen: 19.377 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

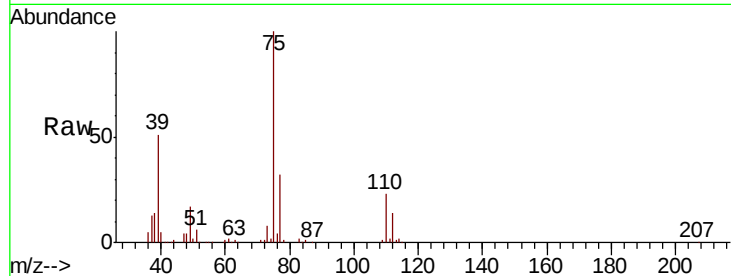
Tot Ion: 75 Resp: 250452

Ion Ratio Lower Upper

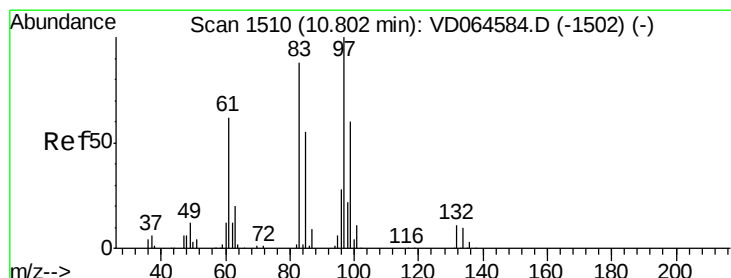
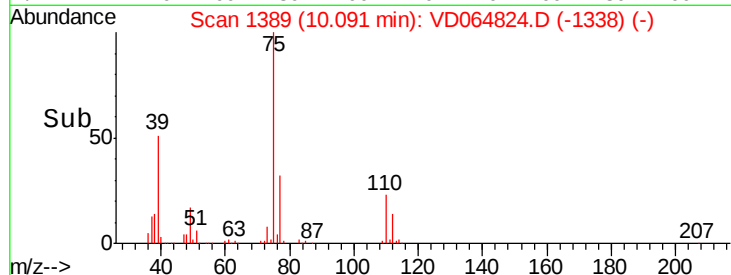
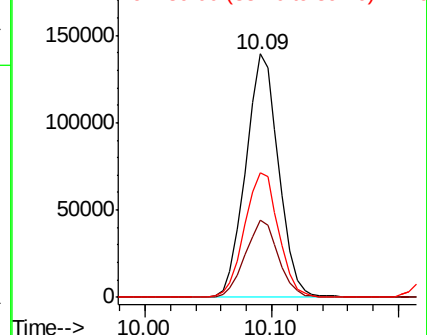
75 100

77 32.0 24.6 36.8

39 51.1 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 76.90 (76.60 to 77.60): VDC
Ion 39.00 (38.70 to 39.70): VDC



#55

1,1,2-Trichloroethane

Concen: 15.658 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion: 97 Resp: 93239

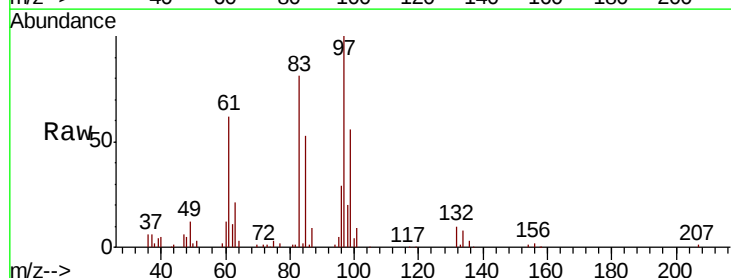
Ion Ratio Lower Upper

97 100

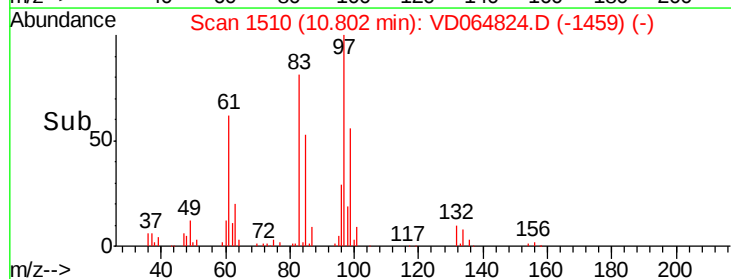
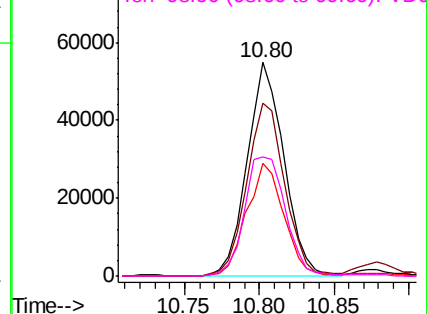
83 81.1 70.2 105.4

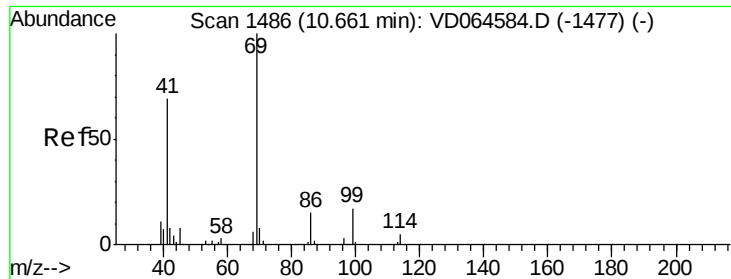
85 52.8 44.0 66.0

99 55.8 47.8 71.6



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 98.90 (98.60 to 99.60): VDC





#56

Ethyl methacrylate

Concen: 4.465 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

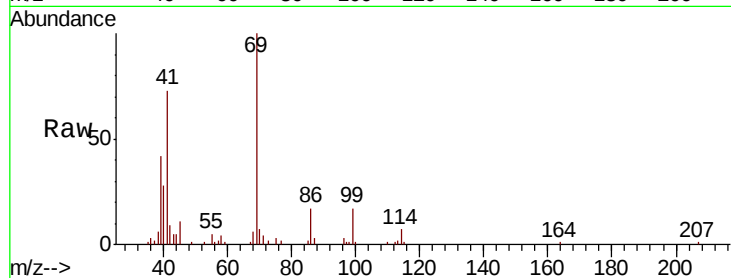
Tot Ion: 69 Resp: 33206

Ion Ratio Lower Upper

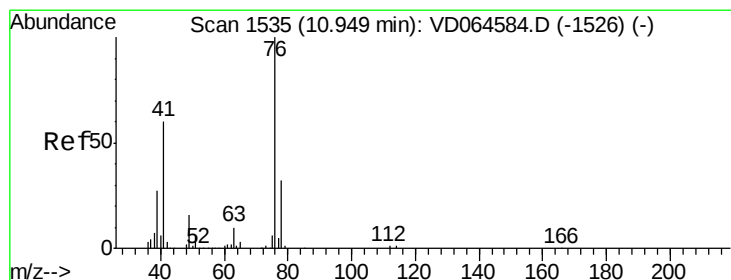
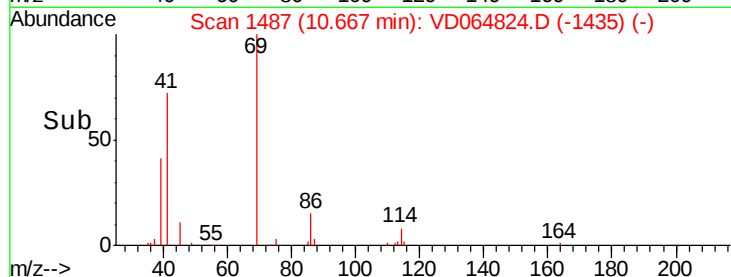
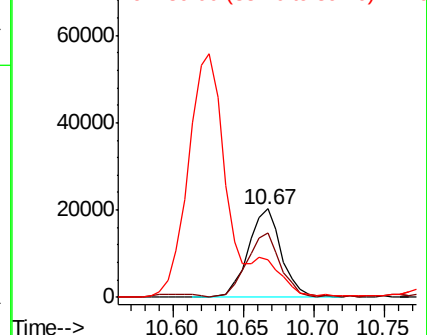
69 100

41 71.7 55.3 82.9

39 0.0 33.8 50.8#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



#57

1,3-Dichloropropane

Concen: 17.535 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064824.D

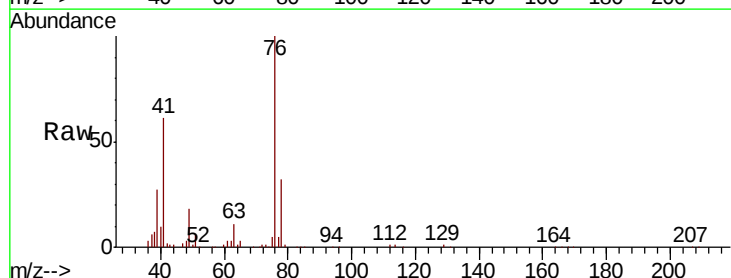
Acq: 09 Jan 2020 18:53

Tgt Ion: 76 Resp: 179776

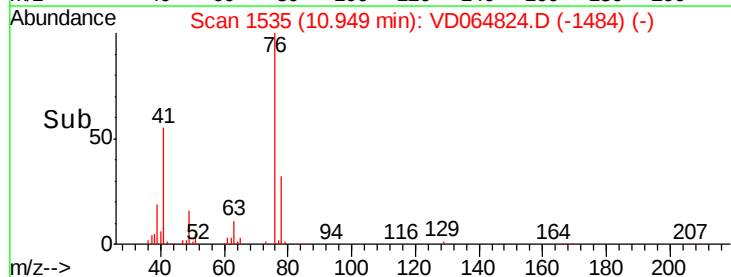
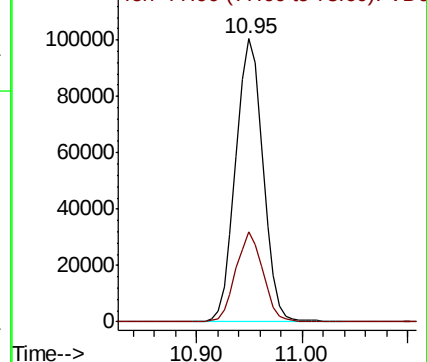
Ion Ratio Lower Upper

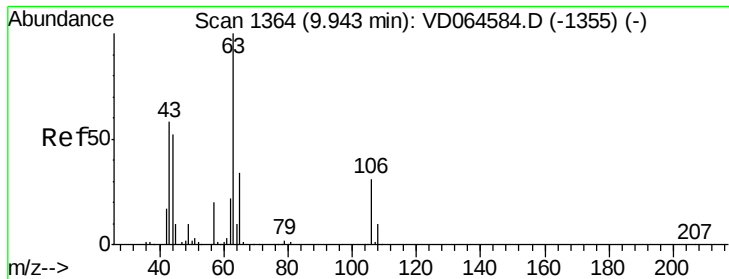
76 100

78 31.5 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 82.716 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

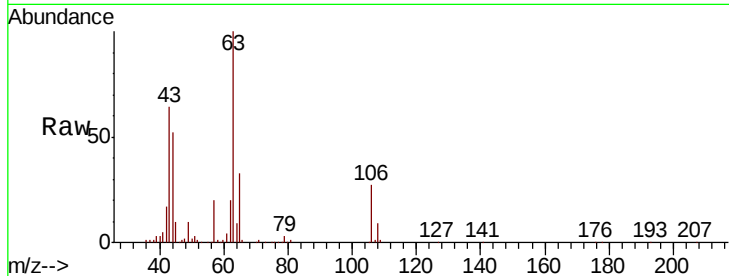
ClientSampleId :

Tot Ion: 63 Resp: 234354

Ion Ratio Lower Upper

63 100

106 28.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

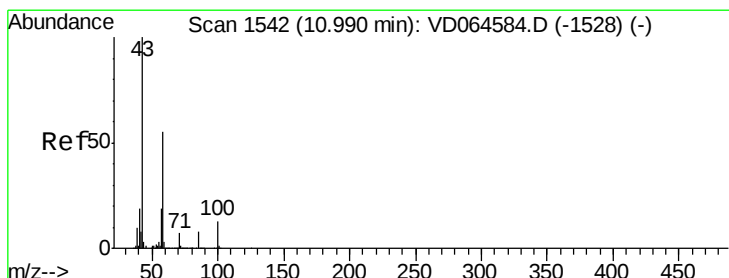
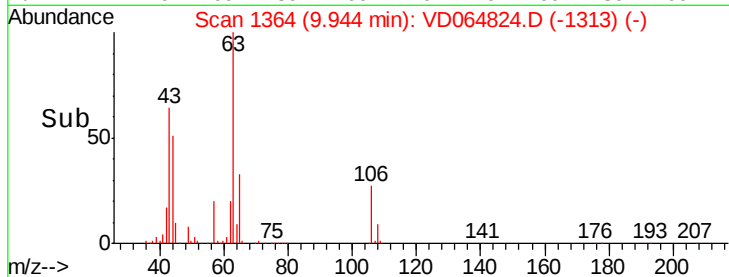
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 76.531 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064824.D

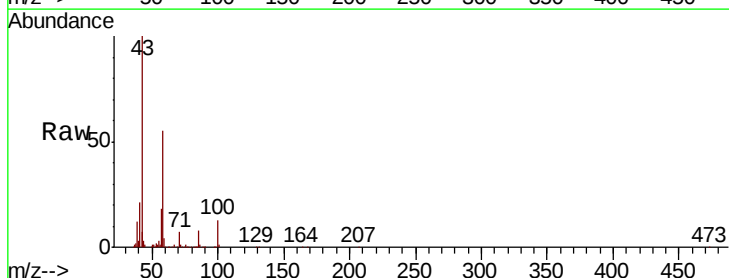
Acq: 09 Jan 2020 18:53

Tgt Ion: 43 Resp: 244094

Ion Ratio Lower Upper

43 100

58 52.6 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.99

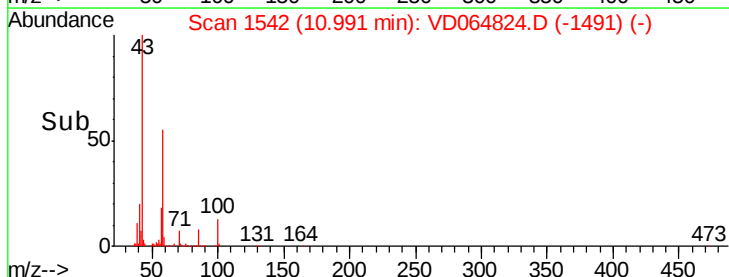
150000

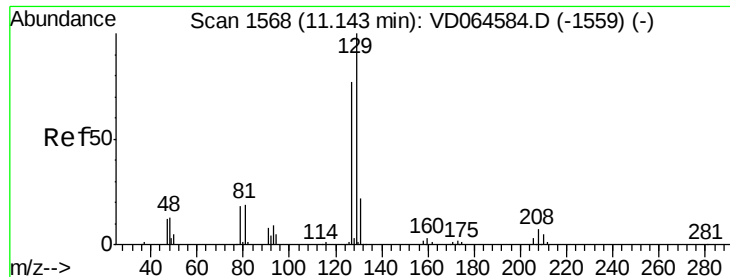
100000

50000

0

Time-->





#60

Dibromochloromethane

Concen: 17.691 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

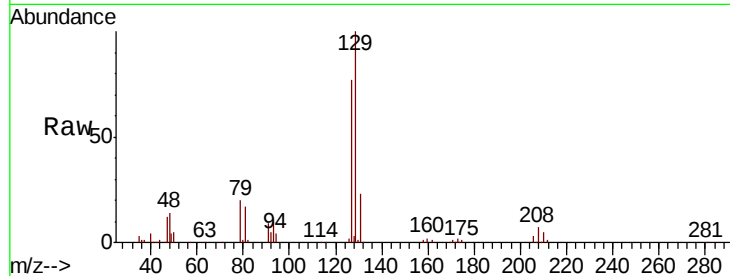
ClientSampleId :

Tot Ion:129 Resp: 145673

Ion Ratio Lower Upper

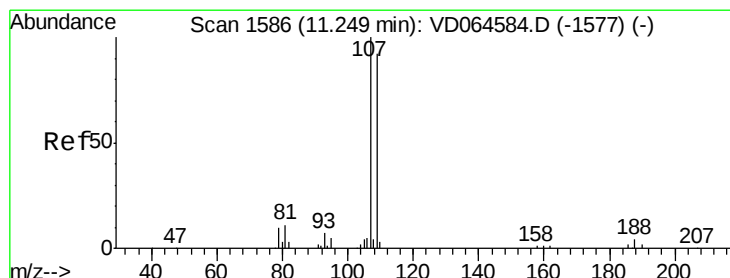
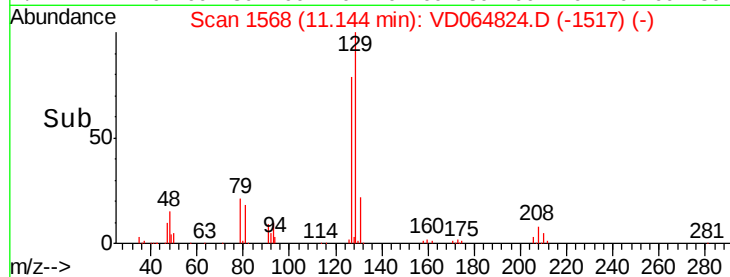
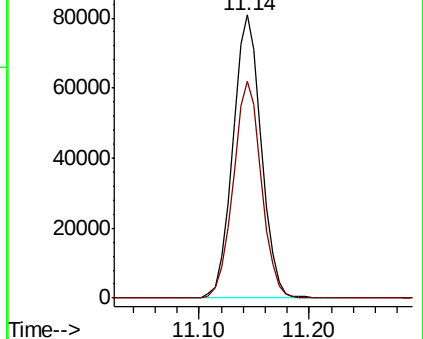
129 100

127 75.9 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 16.368 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064824.D

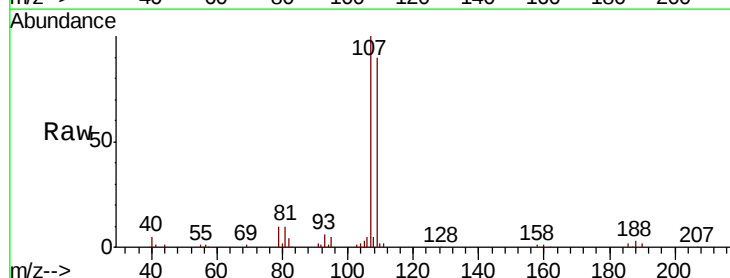
Acq: 09 Jan 2020 18:53

Tgt Ion:107 Resp: 96132

Ion Ratio Lower Upper

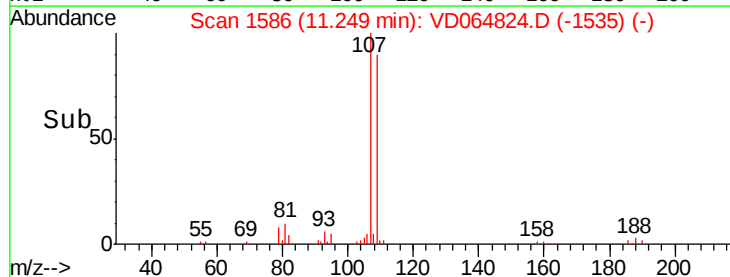
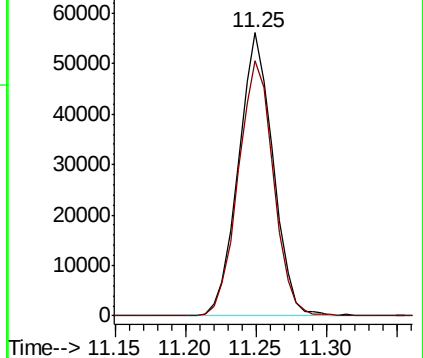
107 100

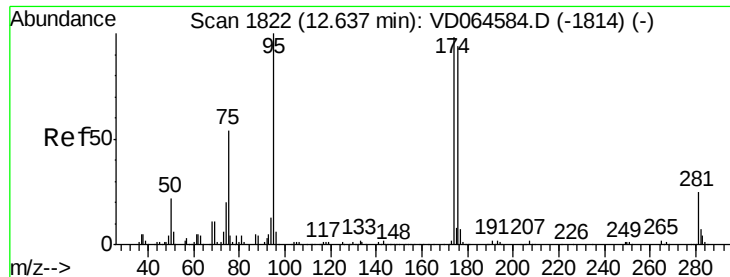
109 91.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

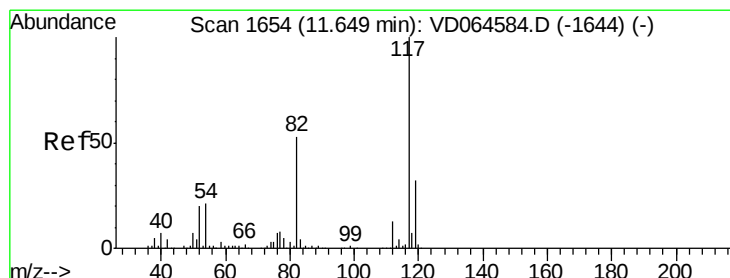
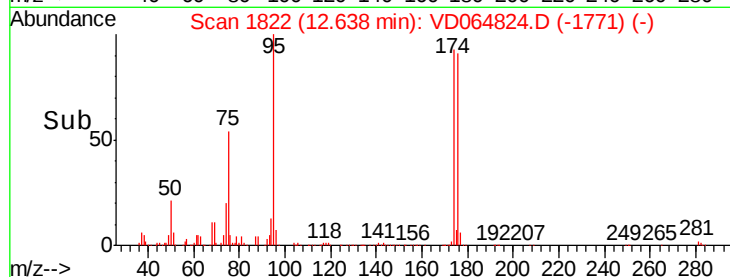
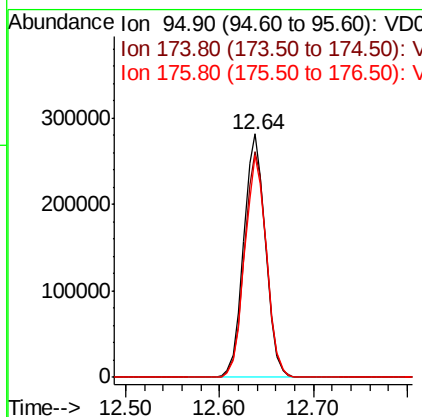
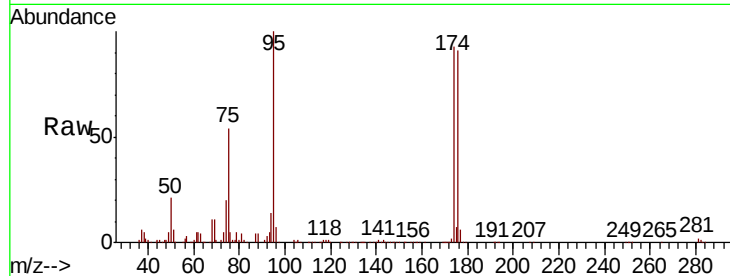




#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

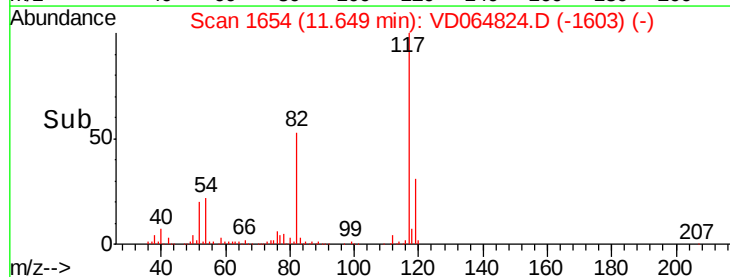
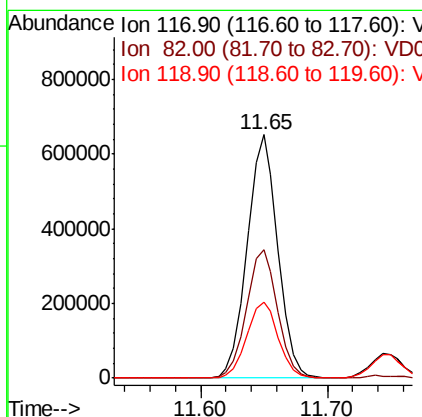
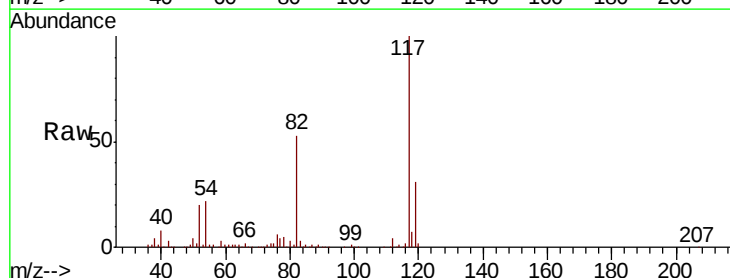
Instrument :
MSVOA_D
ClientSampleId :

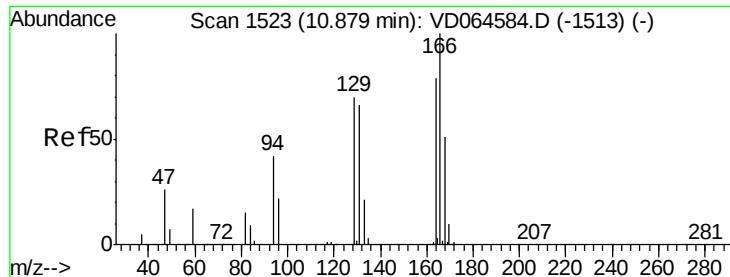
Tot Ion: 95 Resp: 450723
Ion Ratio Lower Upper
95 100
174 93.9 0.0 193.2
176 90.9 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 117 Resp: 1093298
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.4
119 31.0 26.0 39.0

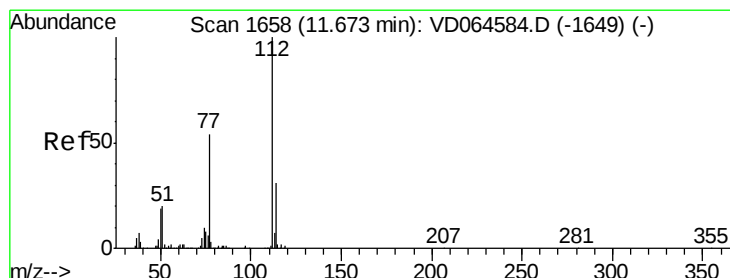
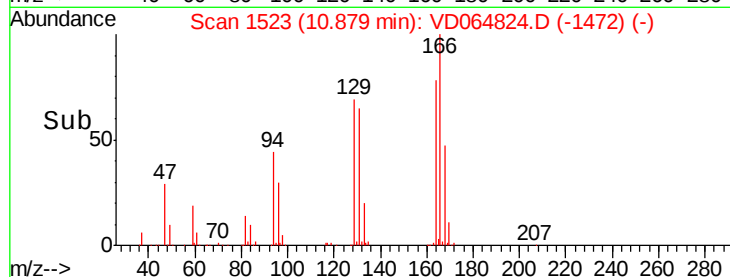
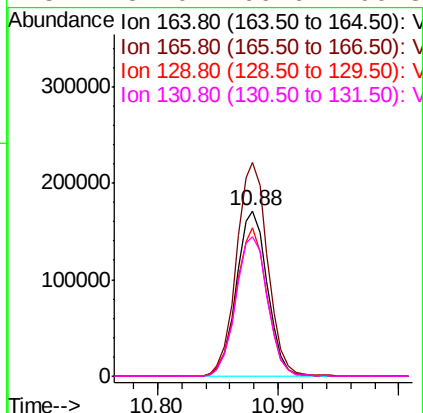
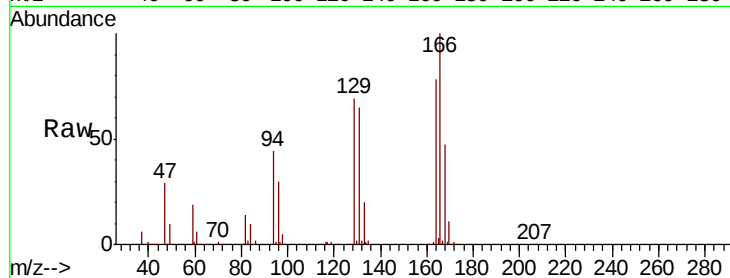




#64
Tetrachloroethene
Concen: 36.663 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

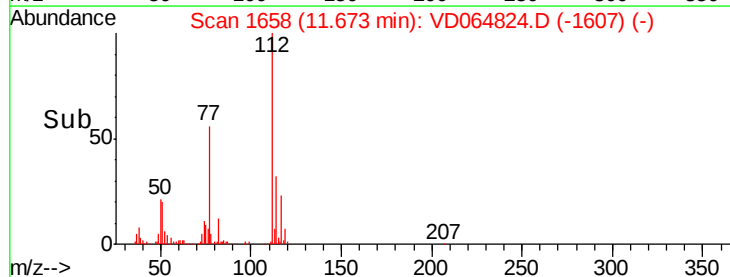
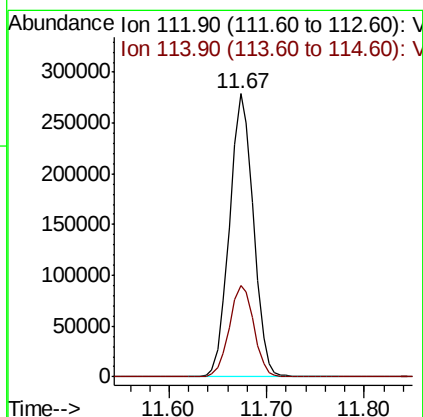
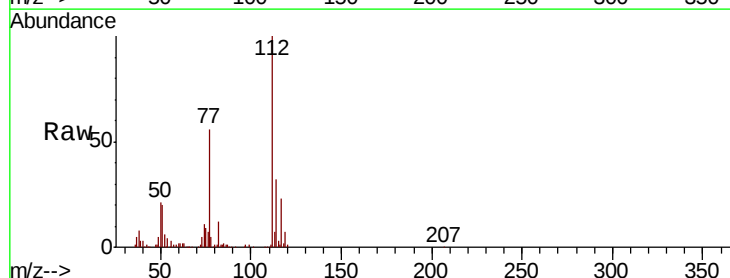
Instrument :
MSVOA_D
ClientSampleId :

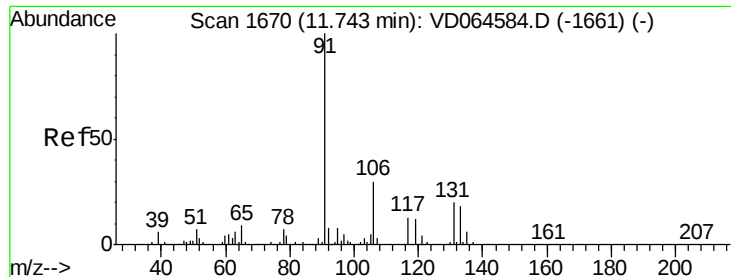
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.3	151.9
129	89.3	70.5	105.7
131	84.0	66.6	99.8



#65
Chlorobenzene
Concen: 20.934 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.8	37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 20.493 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampled :

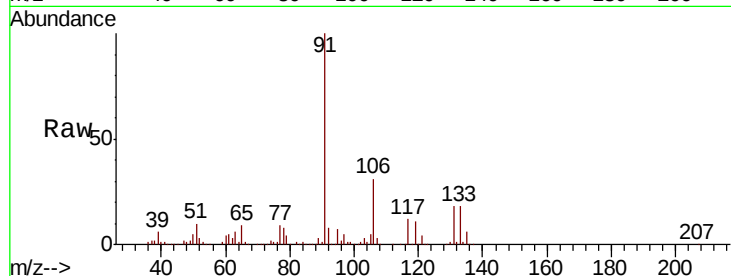
Tot Ion:131 Resp: 175299

Ion Ratio Lower Upper

131 100

133 95.7 48.3 144.8

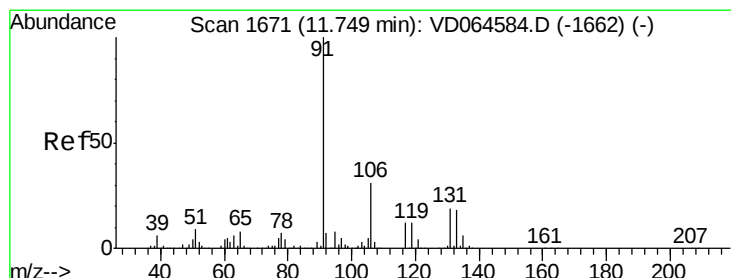
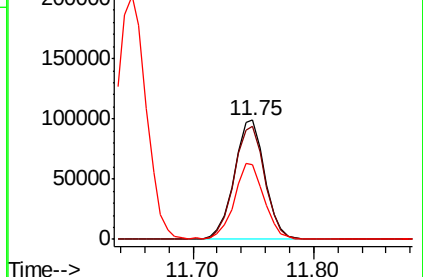
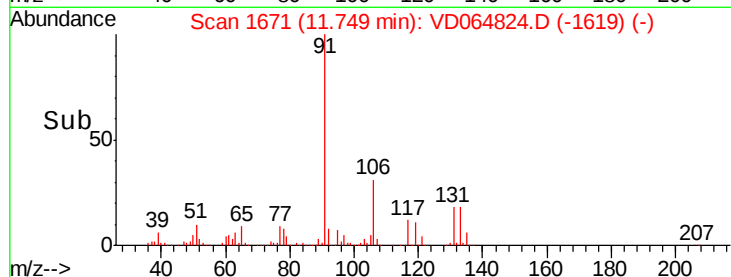
119 62.3 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 21.325 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064824.D

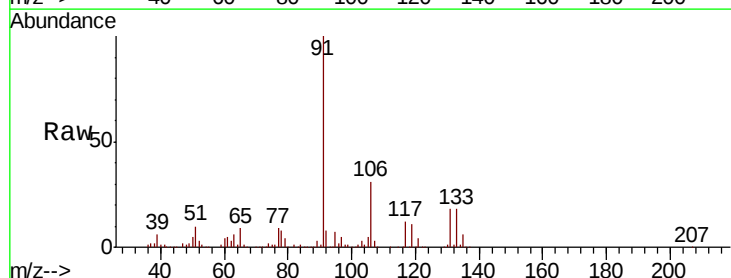
Acq: 09 Jan 2020 18:53

Tgt Ion: 91 Resp: 878287

Ion Ratio Lower Upper

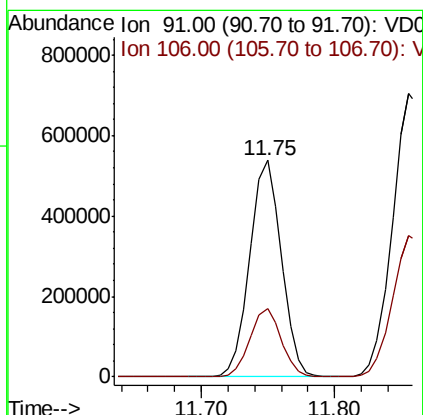
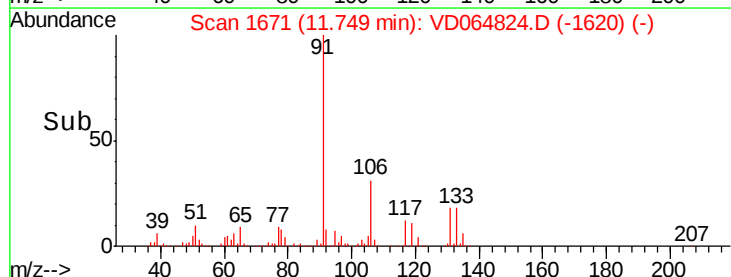
91 100

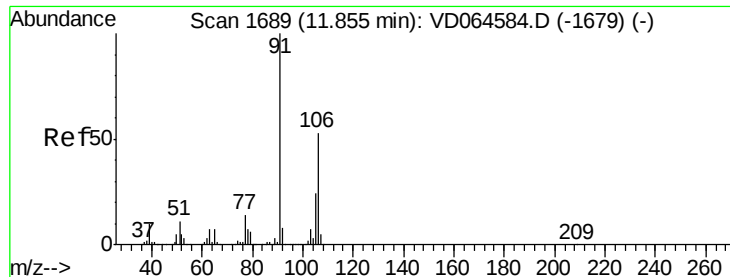
106 31.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

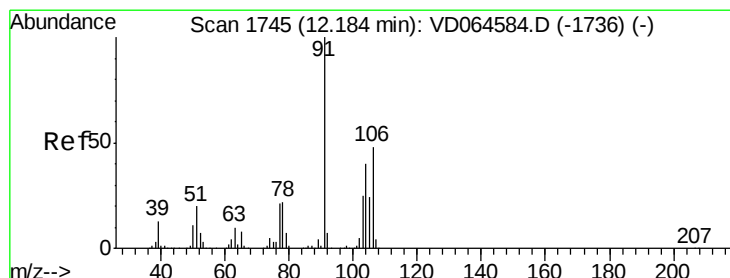
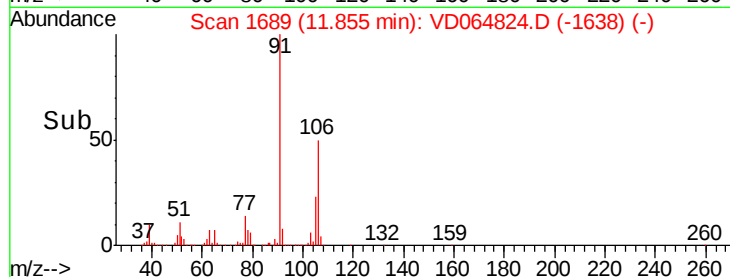
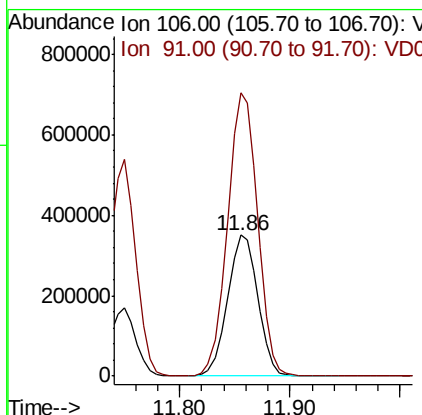
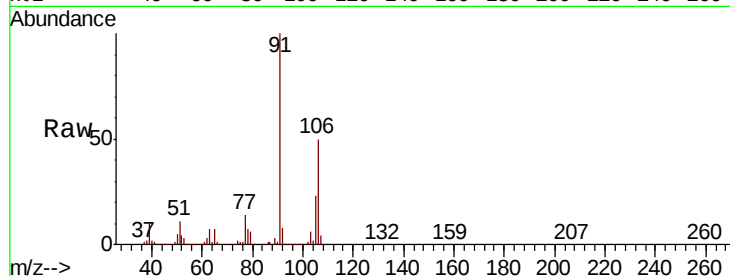




#68
m/p-Xylenes
Concen: 42.422 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

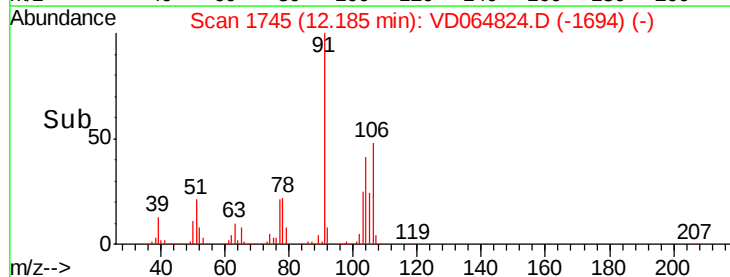
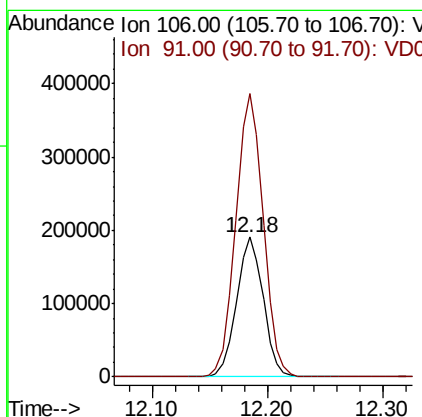
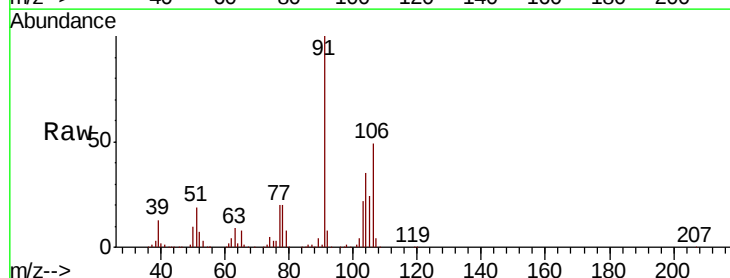
Instrument :
MSVOA_D
ClientSampleId :

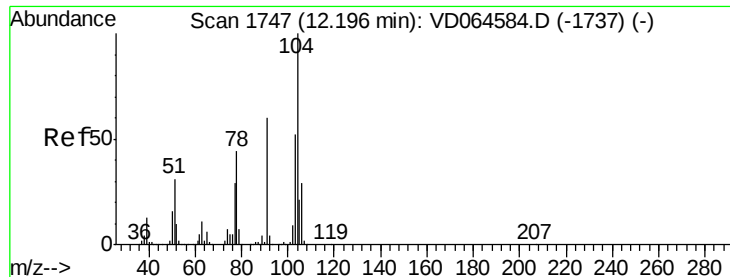
Tot Ion:106 Resp: 674378
Ion Ratio Lower Upper
106 100
91 199.3 156.3 234.5



#69
o-Xylene
Concen: 21.109 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion:106 Resp: 303107
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4

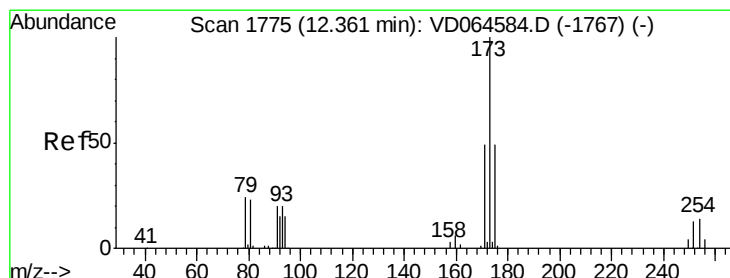
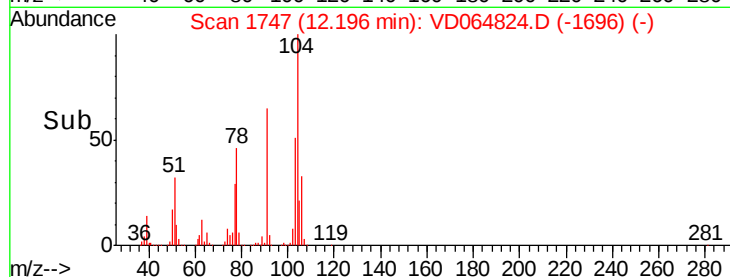
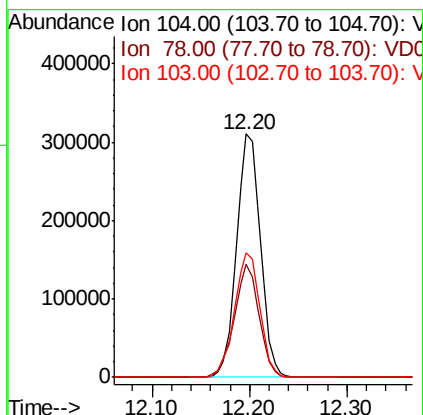
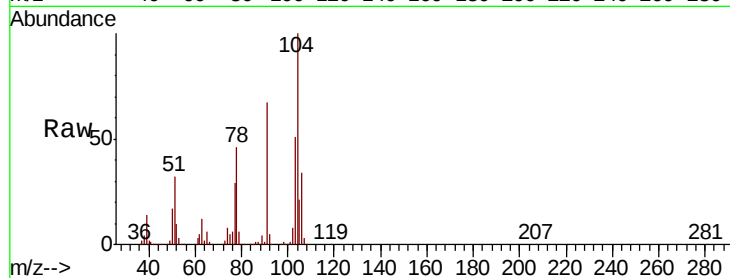




#70
Stvrene
Concen: 20.833 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

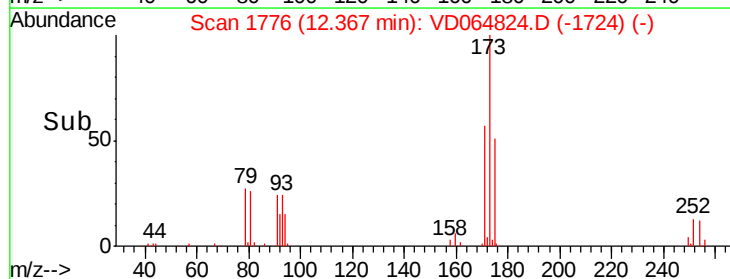
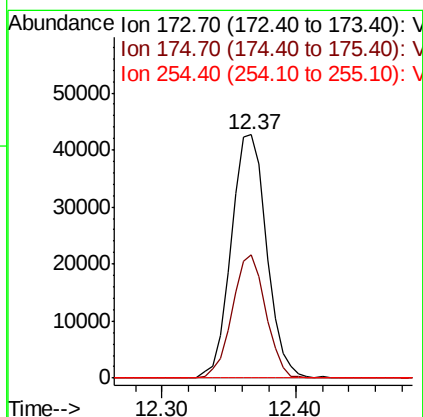
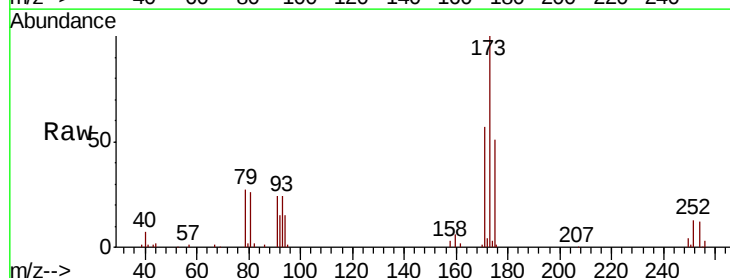
Instrument :
MSVOA_D
ClientSampleId :

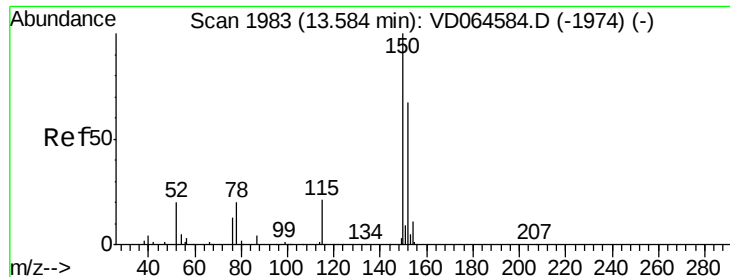
Tot Ion:104 Resp: 525073
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.5 44.6 67.0



#71
Bromoform
Concen: 16.133 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion:173 Resp: 78702
Ion Ratio Lower Upper
173 100
175 47.9 24.6 73.8
254 0.1 0.1 0.1#



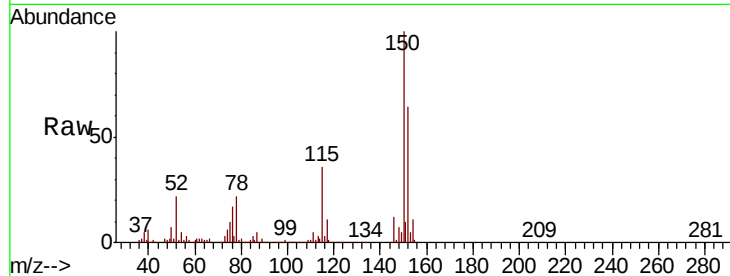


#72

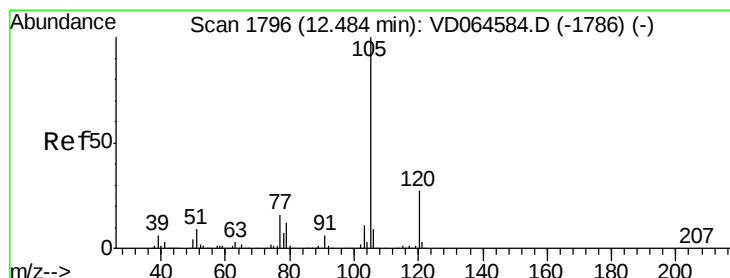
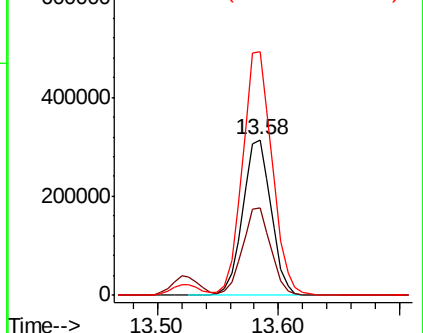
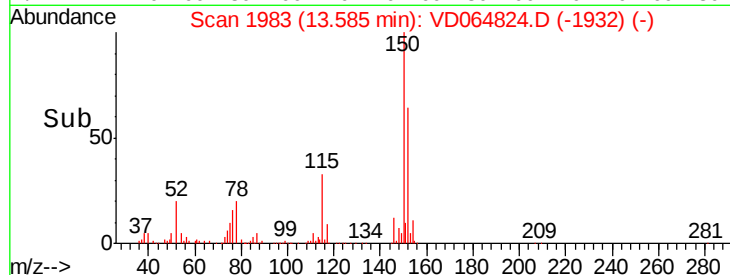
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.4
150	164.4	0.0	351.4



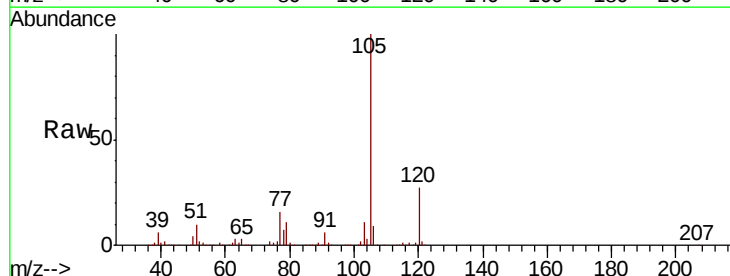
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



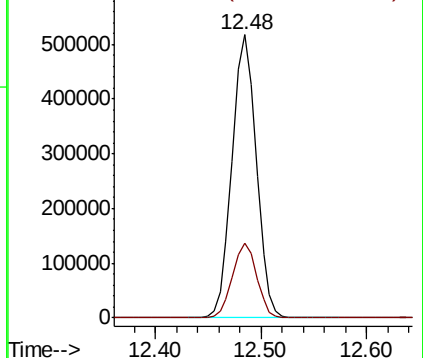
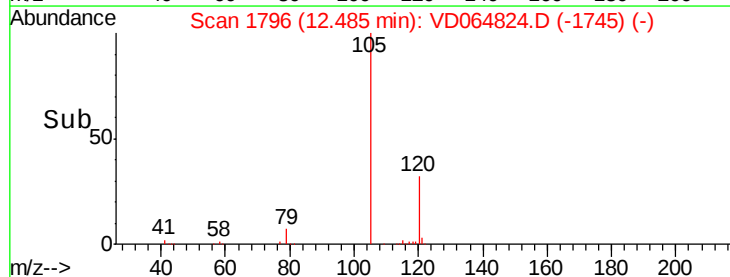
#73

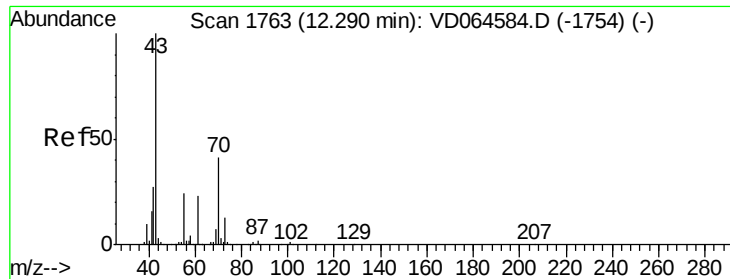
Isopropylbenzene
Concen: 22.270 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5



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

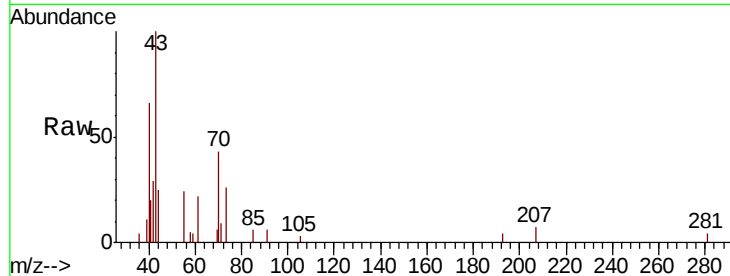




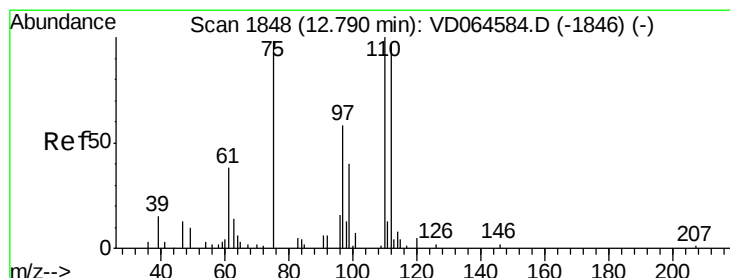
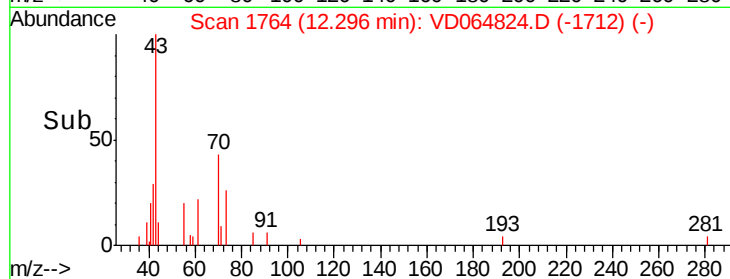
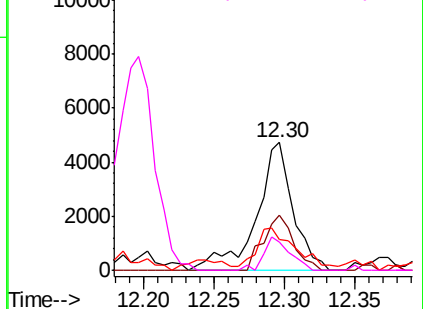
#74
N-amvl acetate
Concen: 1.087 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 8564
Ion Ratio Lower Upper
43 100
70 35.6 33.4 50.0
55 32.1 19.4 29.0#
61 18.3 18.3 27.5

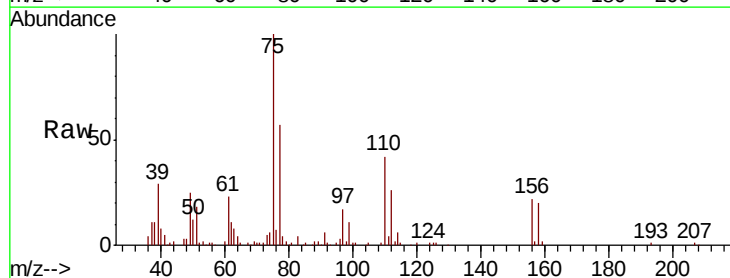


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC

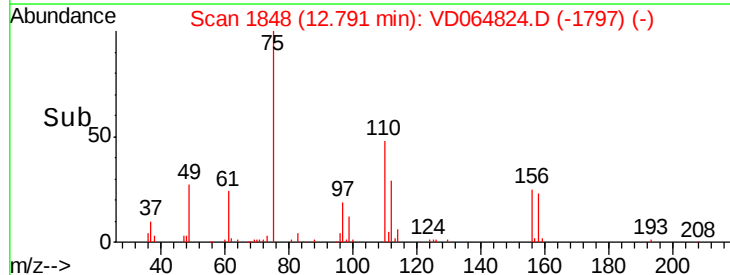
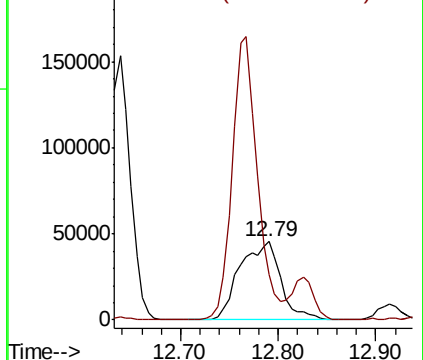


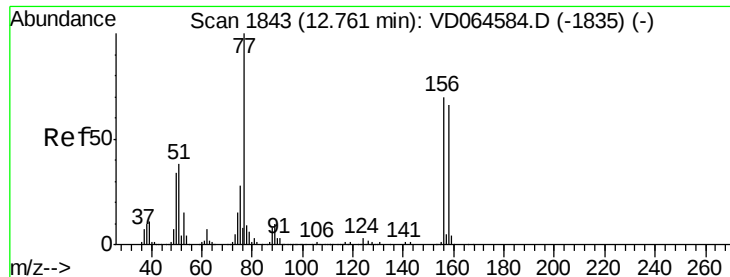
#76
1,2,3-Trichloropropane
Concen: 32.780 ug/l
RT: 12.79 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 75 Resp: 133526
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.336 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampled :

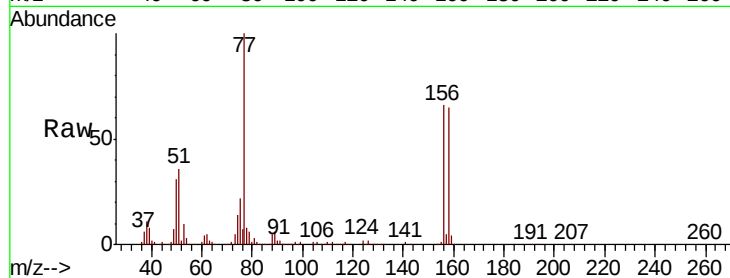
Tot Ion:156 Resp: 184197

Ion Ratio Lower Upper

156 100

77 159.6 80.9 242.7

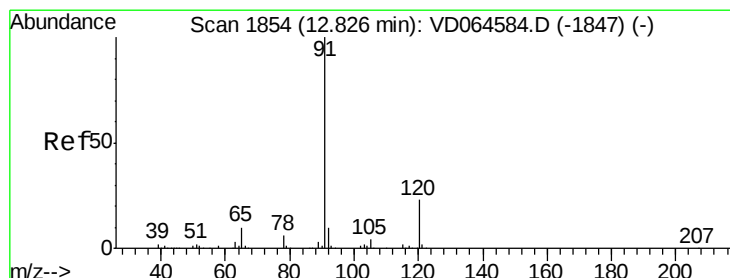
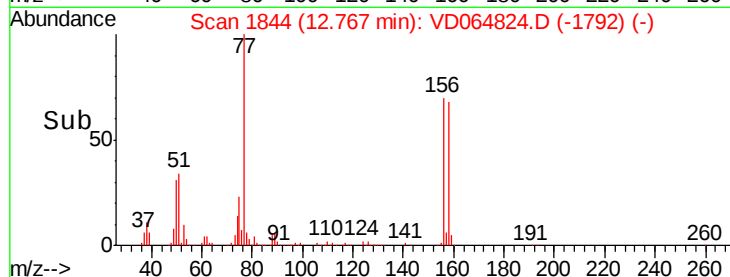
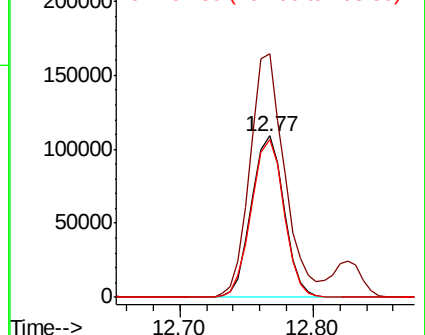
158 97.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.003 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064824.D

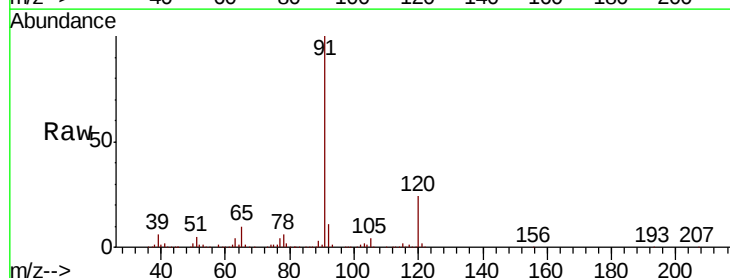
Acq: 09 Jan 2020 18:53

Tgt Ion: 91 Resp: 946259

Ion Ratio Lower Upper

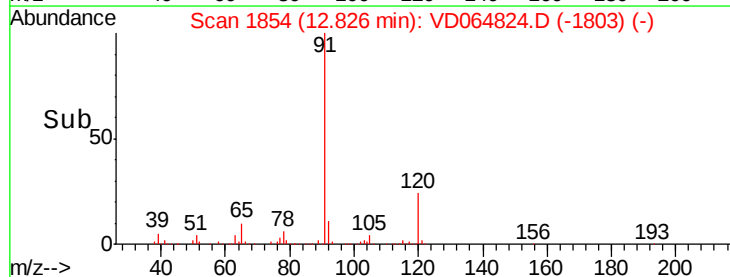
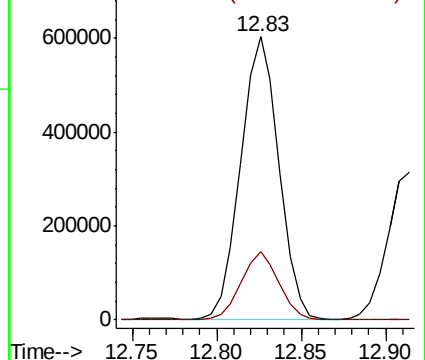
91 100

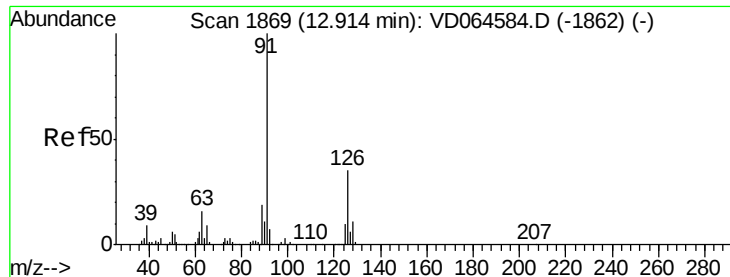
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.990 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

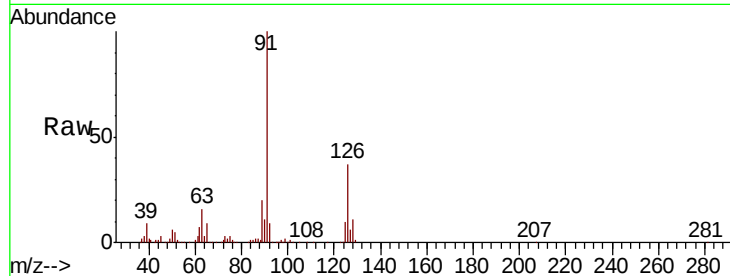
ClientSampleId :

Tot Ion: 91 Resp: 519512

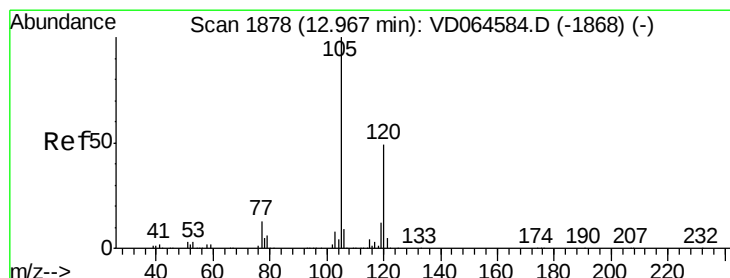
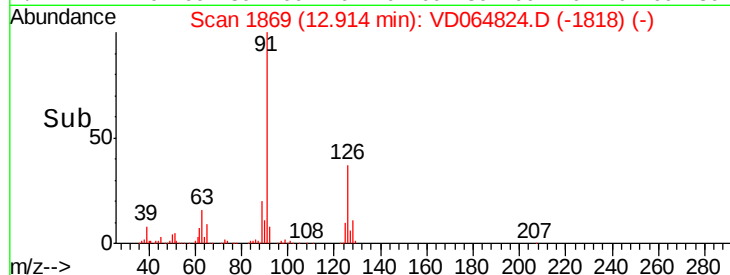
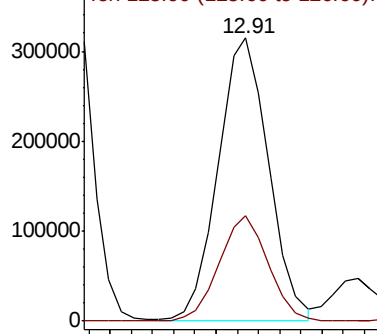
Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.917 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064824.D

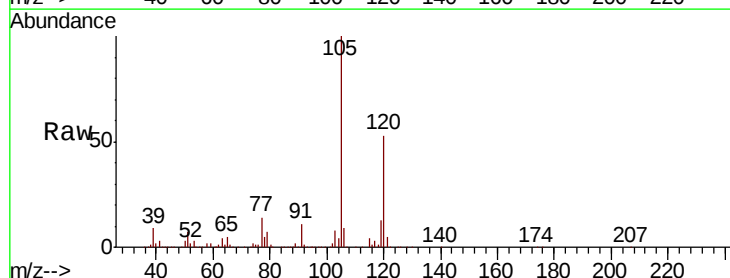
Acq: 09 Jan 2020 18:53

Tgt Ion:105 Resp: 663673

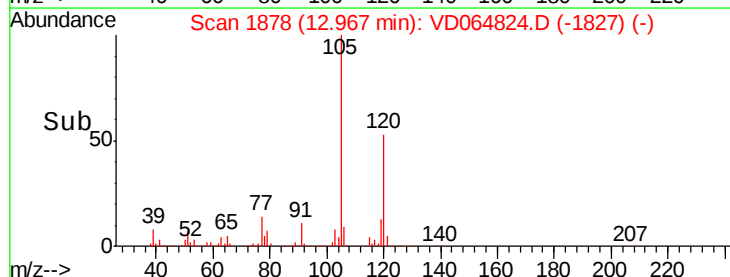
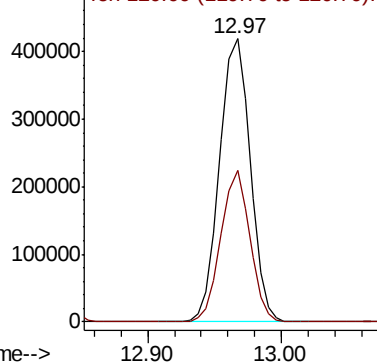
Ion Ratio Lower Upper

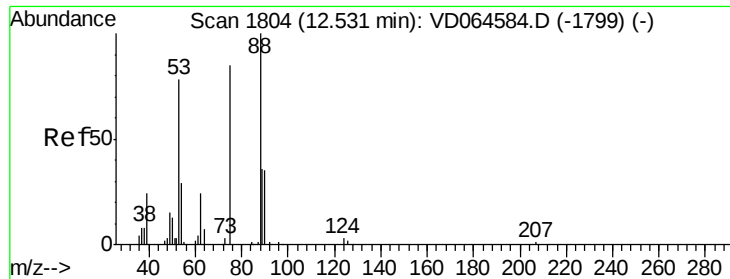
105 100

120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

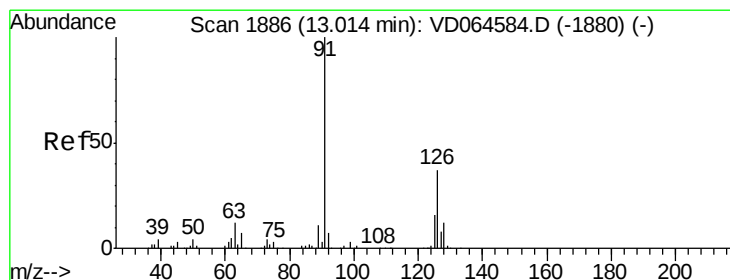
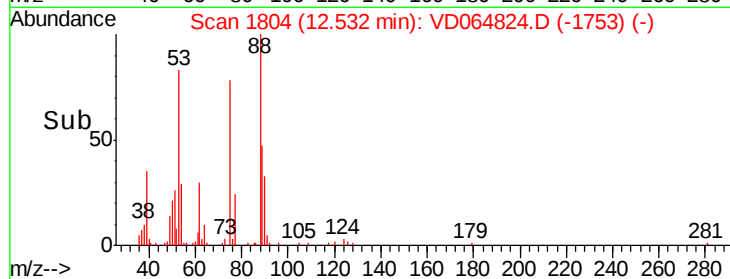
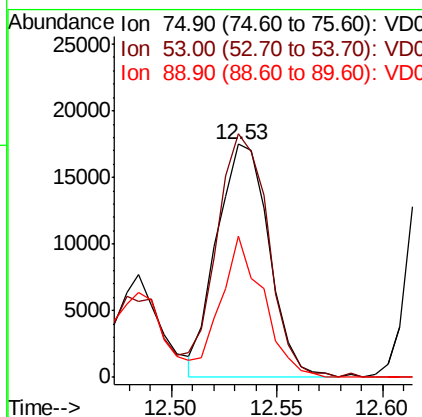
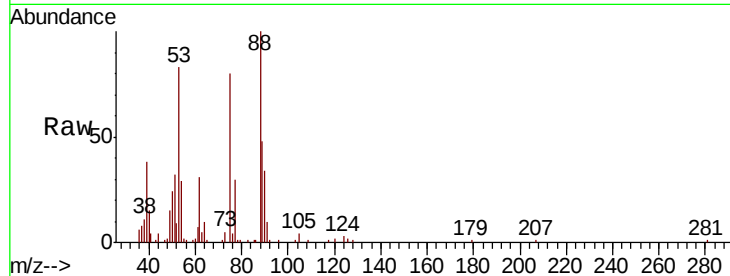




#81
trans-1,4-Dichloro-2-butene
Concen: 15.412 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

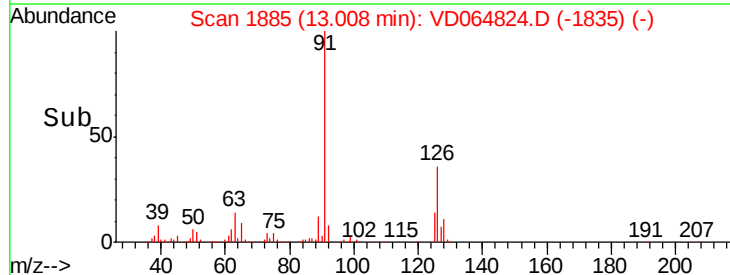
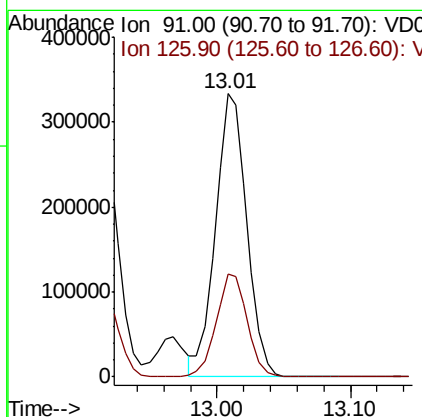
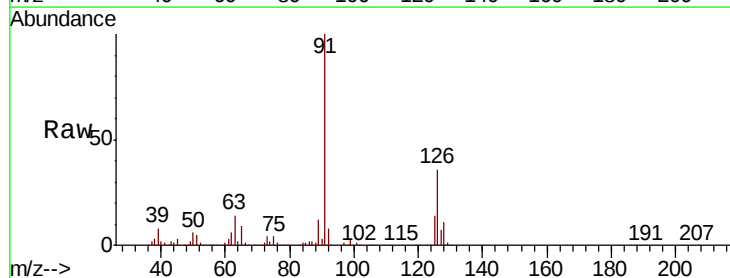
Instrument :
MSVOA_D
ClientSampled :

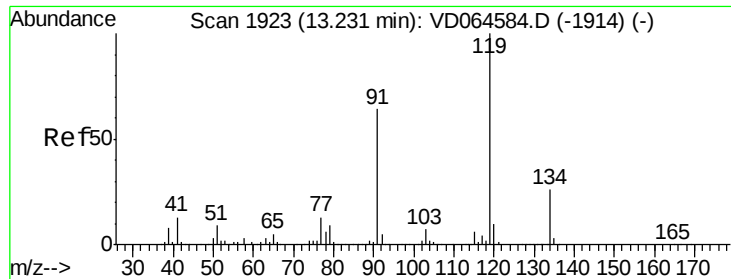
Tot Ion: 75 Resp: 30016
Ion Ratio Lower Upper
75 100
53 104.5 78.8 118.2
89 49.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 21.813 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 91 Resp: 548405
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.5





#83

tert-Butylbenzene

Concen: 22.104 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

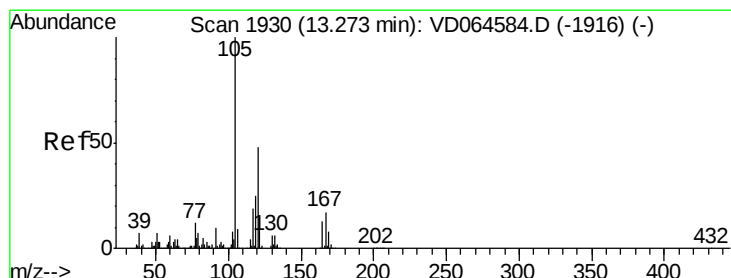
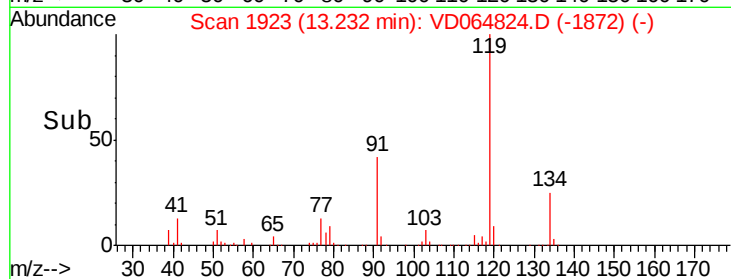
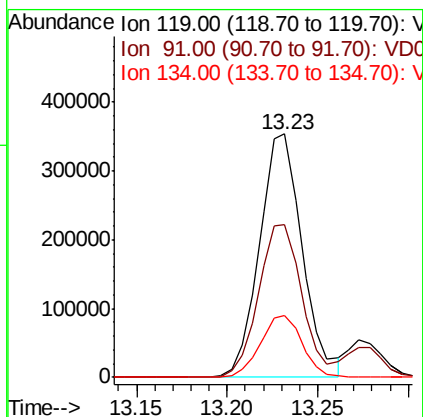
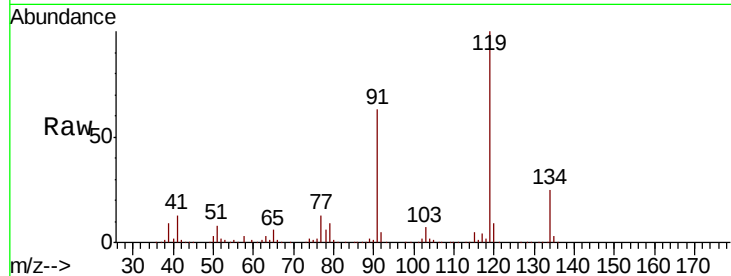
Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 581142

Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.8	92.4
134	24.9	12.8	38.3



#84

1,2,4-Trimethylbenzene

Concen: 21.985 ug/l

RT: 13.27 min Scan# 1930

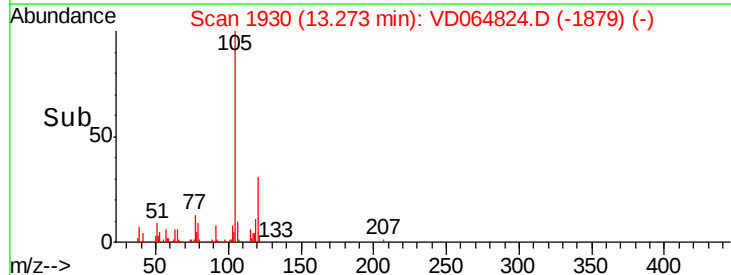
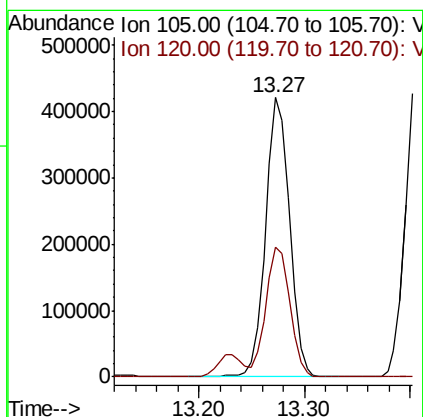
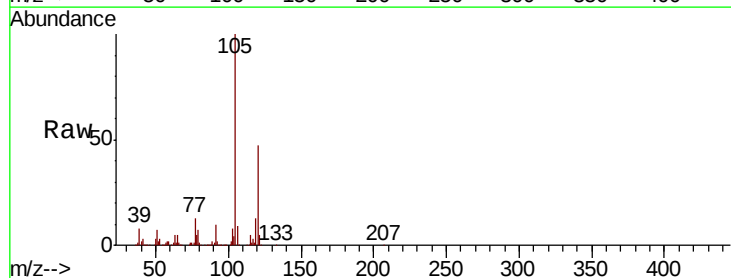
Delta R.T. 0.00 min

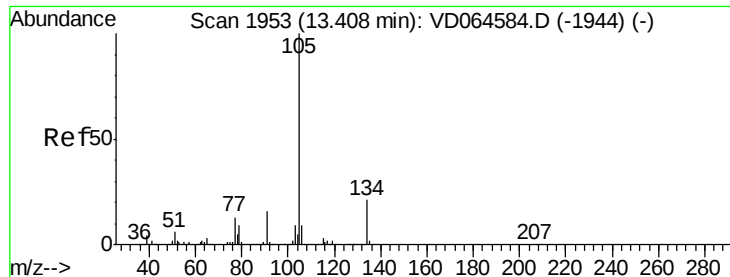
Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Tgt Ion:105 Resp: 663029

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2





#85

sec-Butylbenzene

Concen: 21.954 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

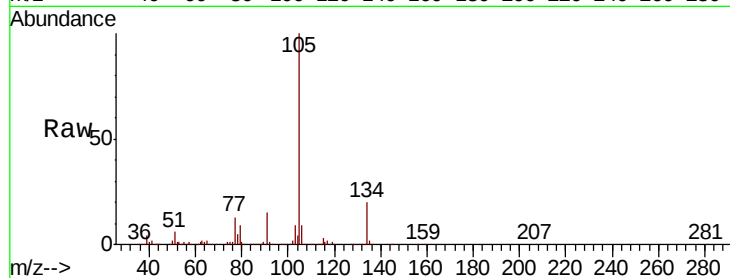
ClientSampleId :

Tot Ion:105 Resp: 791332

Ion Ratio Lower Upper

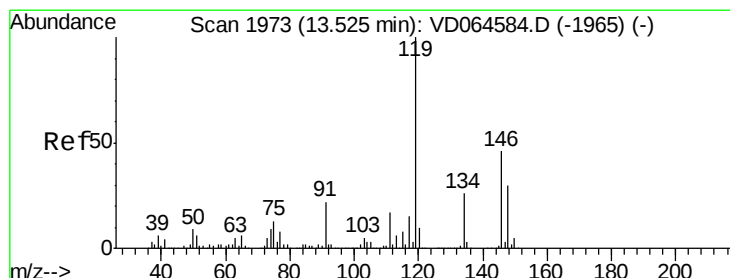
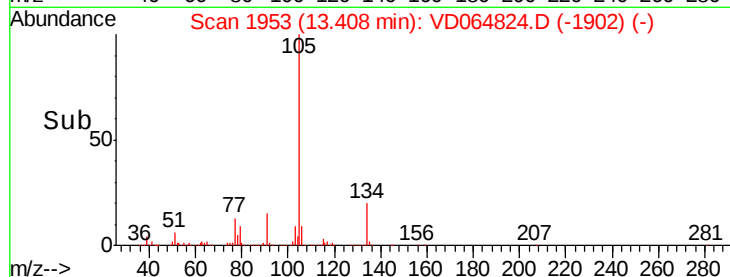
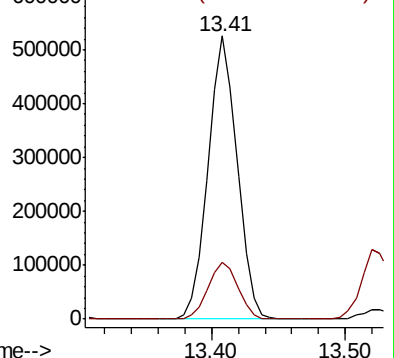
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.646 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

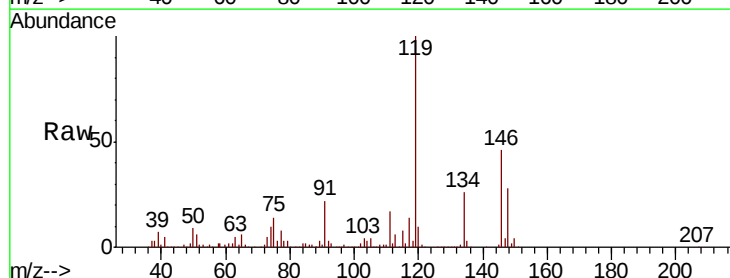
Tgt Ion:119 Resp: 746037

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

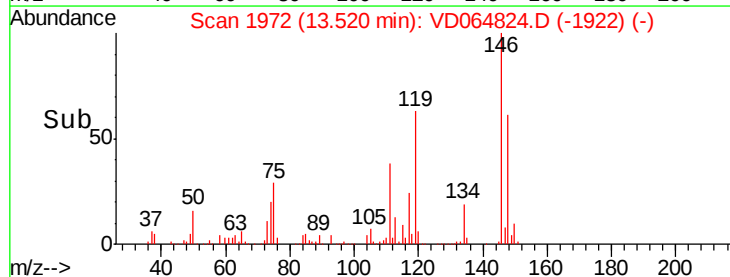
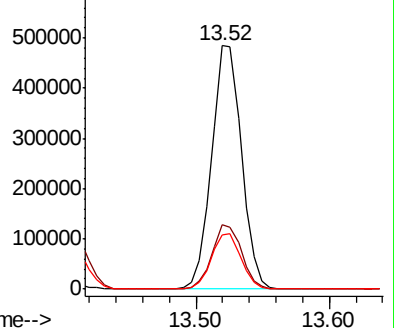
91 22.6 11.2 33.6

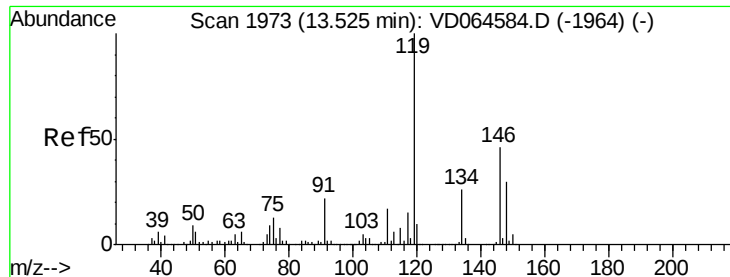


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.143 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

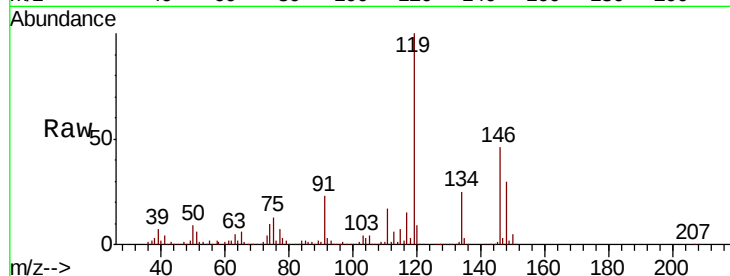
Tot Ion:146 Resp: 365084

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.4

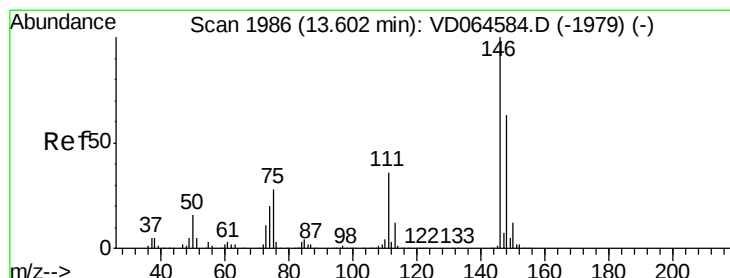
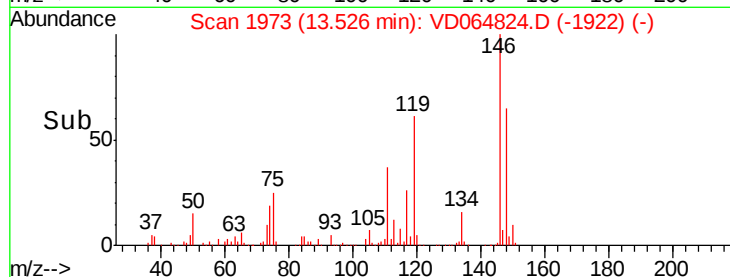
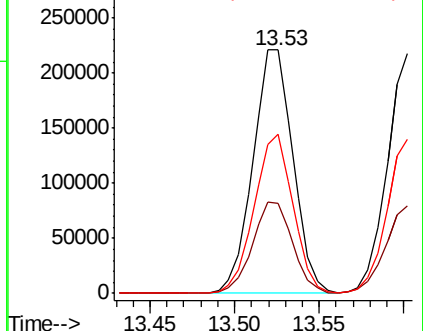
148 63.2 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 20.989 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

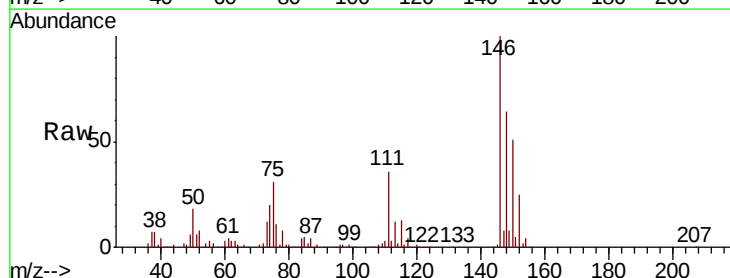
Tgt Ion:146 Resp: 356027

Ion Ratio Lower Upper

146 100

111 38.0 18.1 54.1

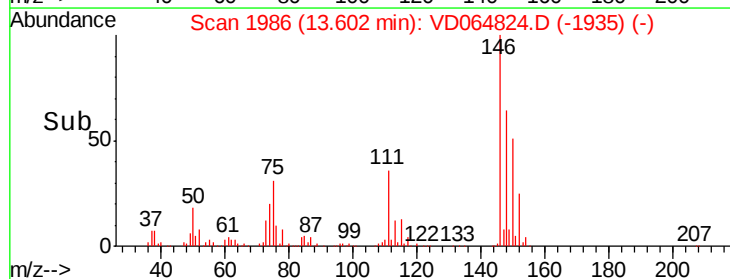
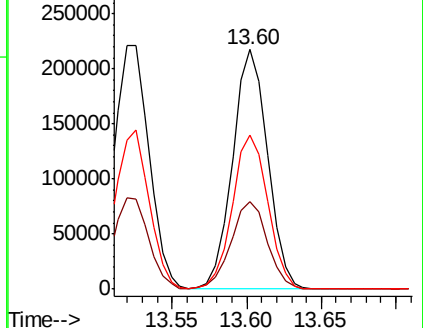
148 65.3 32.3 96.9

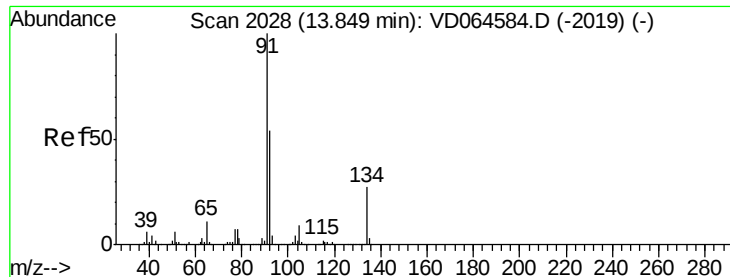


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

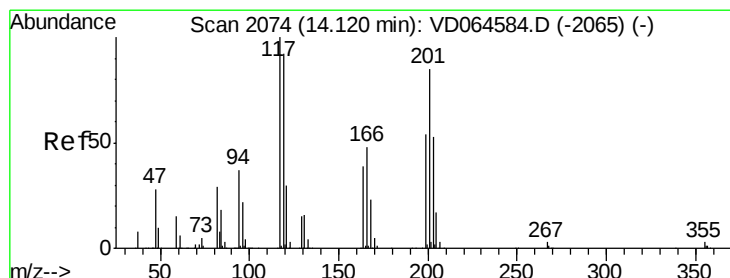
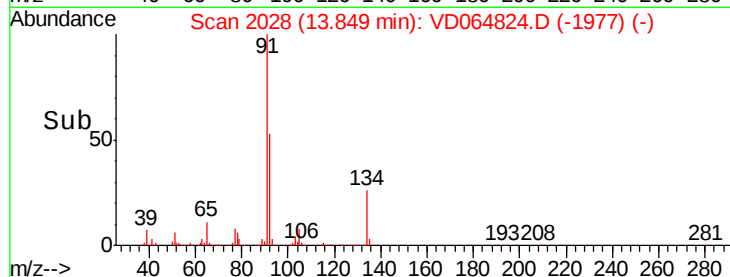
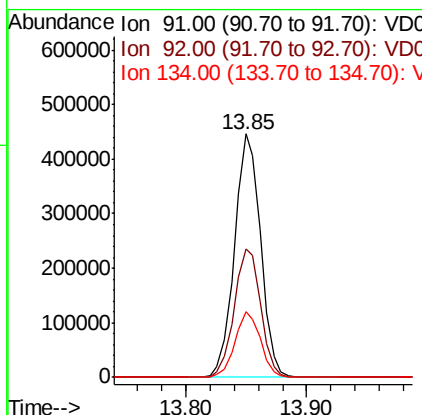
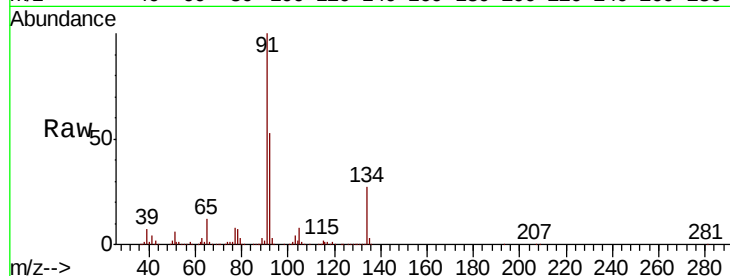




#89
n-Butylbenzene
Concen: 21.611 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

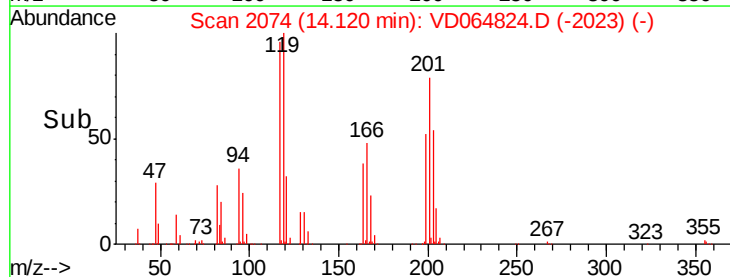
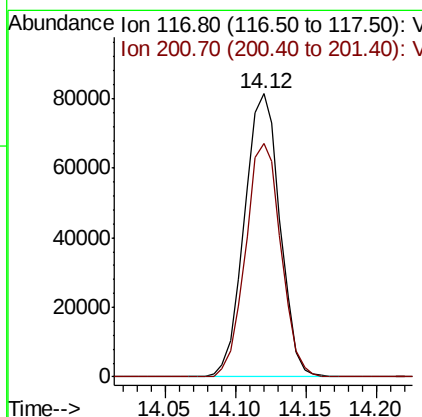
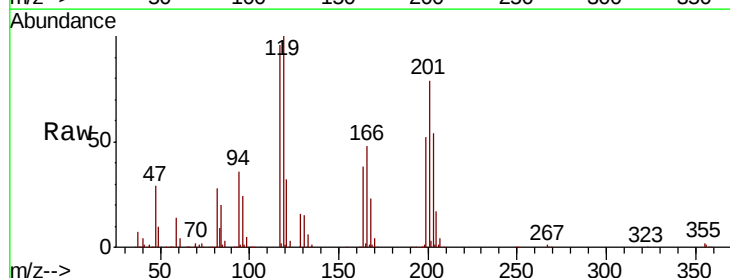
Instrument :
MSVOA_D
ClientSampled :

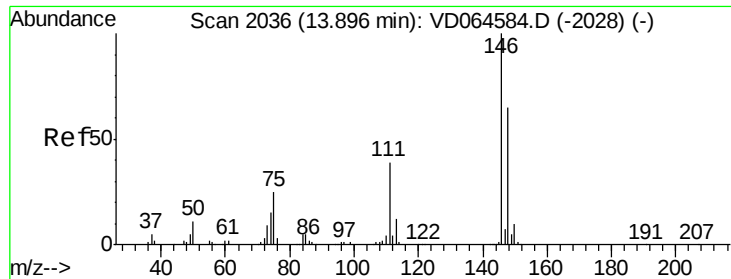
Tot Ion: 91 Resp: 670748
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 26.6 14.0 41.9



#90
Hexachloroethane
Concen: 21.780 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion: 117 Resp: 143388
Ion Ratio Lower Upper
117 100
201 82.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 19.865 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

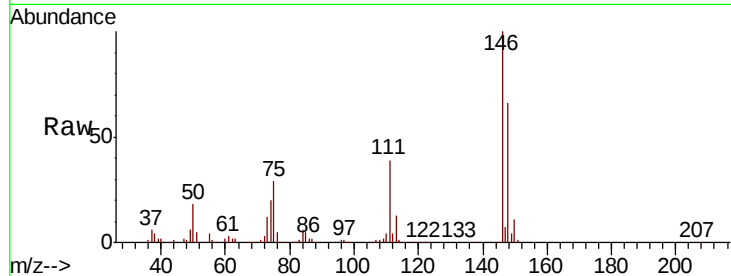
Tot Ion:146 Resp: 292489

Ion Ratio Lower Upper

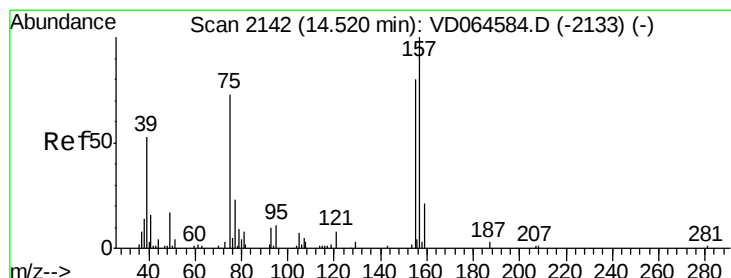
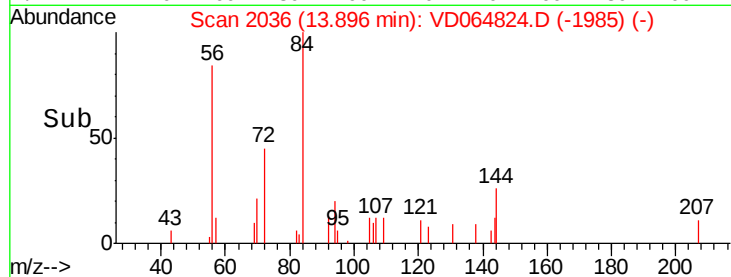
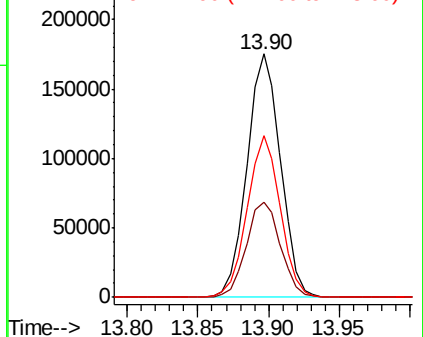
146 100

111 39.7 19.3 57.9

148 65.4 31.9 95.5



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: 14.645 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064824.D

Acq: 09 Jan 2020 18:53

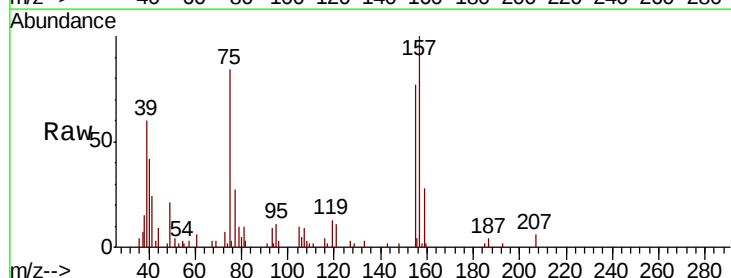
Tgt Ion: 75 Resp: 13748

Ion Ratio Lower Upper

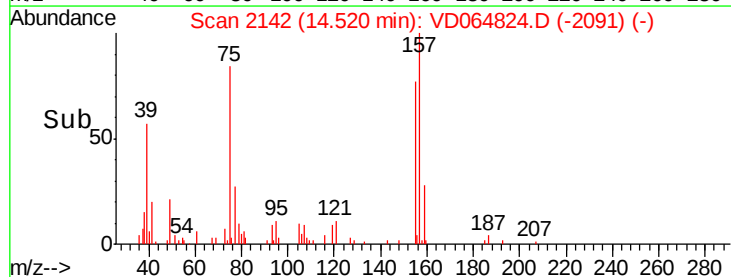
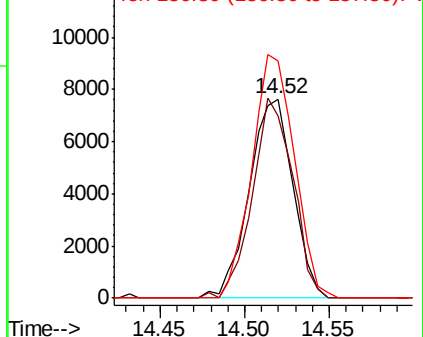
75 100

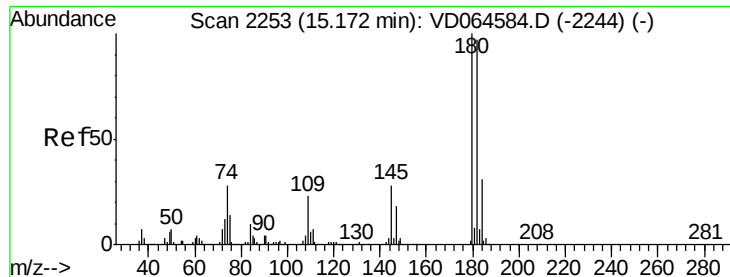
155 92.7 48.0 144.0

157 119.1 64.1 192.3



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

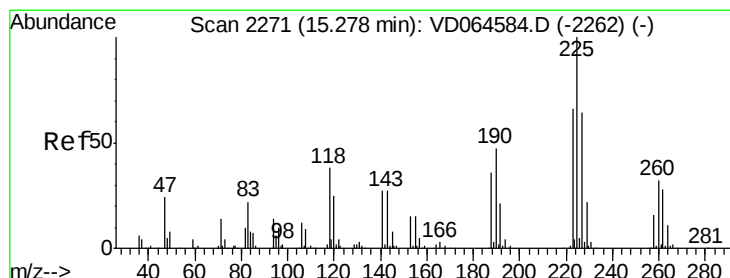
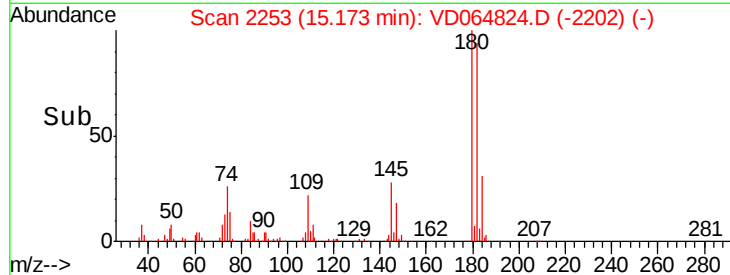
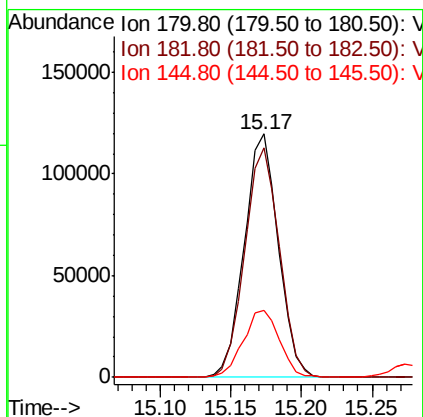
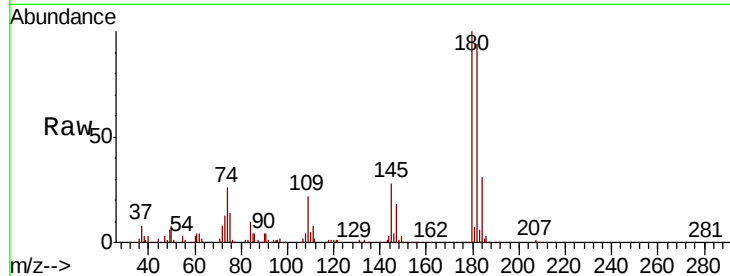




#93
 1,2,4-Trichlorobenzene
 Concen: 18.713 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

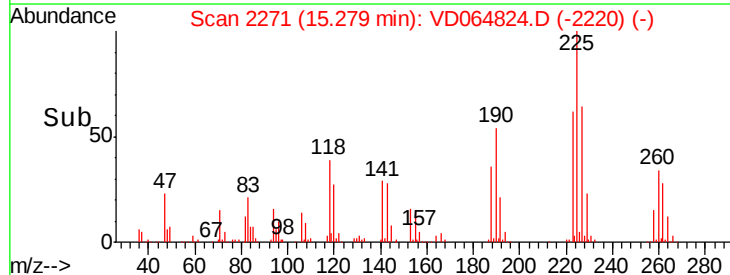
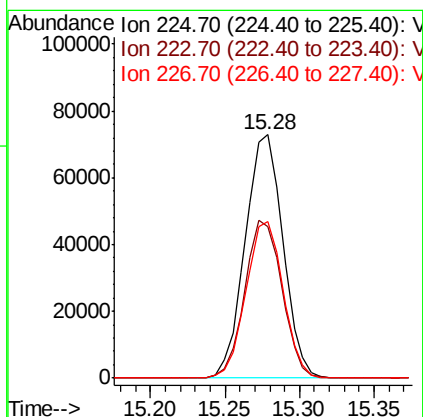
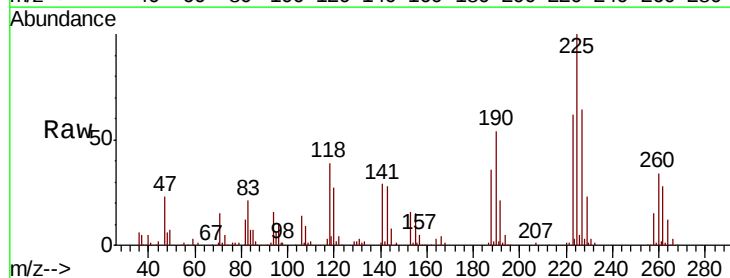
Instrument :
 MSVOA_D
 ClientSampleId :

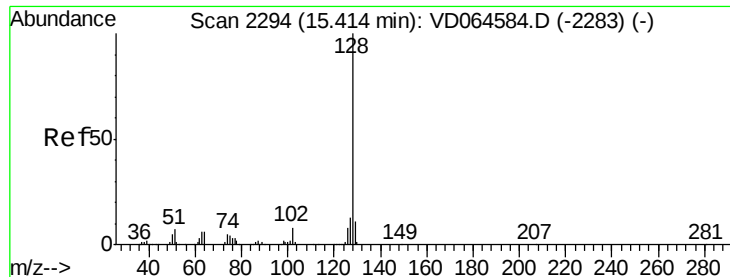
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	29.5	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 18.772 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064824.D
 Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	62.9	30.9	92.7

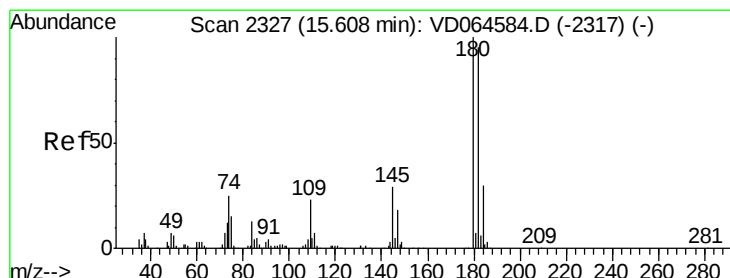
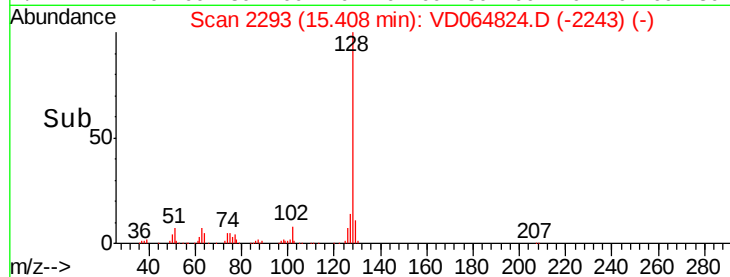
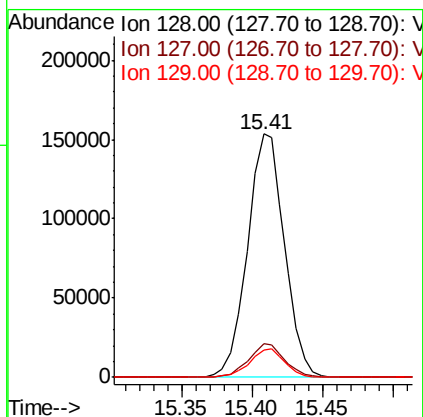
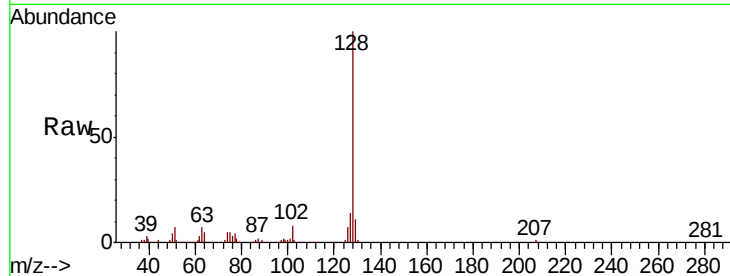




#95
Naphthalene
Concen: 16.431 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.5	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.200 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064824.D
Acq: 09 Jan 2020 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.3	14.9	44.7

