

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066969.D
 Acq On : 30 Sep 2020 13:08
 Operator : VA/SY
 Sample : VD0930SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Quant Time: Oct 01 00:55:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	589032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179800	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	7.91	113	193388	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	10.34	98	684865	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.63	95	242027	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73191	22.370	ug/l	90
3) Chloromethane	2.21	50	69478	18.432	ug/l	99
4) Vinyl Chloride	2.35	62	70011	18.800	ug/l	96
5) Bromomethane	2.76	94	50515	19.299	ug/l	100
6) Chloroethane	2.93	64	42712	18.470	ug/l	97
7) Trichlorofluoromethane	3.27	101	155758	20.366	ug/l	96
8) Diethyl Ether	3.71	74	39915	20.558	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92955	20.961	ug/l	99
10) Methyl Iodide	4.30	142	76199	19.471	ug/l	98
11) Tert butyl alcohol	5.21	59	32564	106.868	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	81103	20.188	ug/l	96
13) Acrolein	3.92	56	22996	77.632	ug/l	96
14) Allyl chloride	4.72	41	109784	18.610	ug/l	95
15) Acrylonitrile	5.43	53	83834	97.431	ug/l	98
16) Acetone	4.16	43	67770	79.560	ug/l	99
17) Carbon Disulfide	4.41	76	237573	19.343	ug/l	98
18) Methyl Acetate	4.73	43	37219	17.202	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	176526	20.234	ug/l	94
20) Methylene Chloride	4.97	84	111288	20.809	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	94570	20.330	ug/l	94
22) Diisopropyl ether	6.36	45	240280	19.810	ug/l	96
23) Vinyl Acetate	6.31	43	588078	91.020	ug/l	96
24) 1,1-Dichloroethane	6.27	63	158840	19.575	ug/l #	96
25) 2-Butanone	7.21	43	96988	94.747	ug/l	98
26) 2,2-Dichloropropane	7.21	77	146749	19.732	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	103780	20.534	ug/l	99
28) Bromochloromethane	7.54	49	61193	18.255	ug/l	90
29) Tetrahydrofuran	7.57	42	60709	92.558	ug/l	93
30) Chloroform	7.71	83	175933	20.114	ug/l	100
31) Cyclohexane	7.98	56	140016	19.177	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	158467	20.028	ug/l	98
36) 1,1-Dichloropropene	8.11	75	126779	19.931	ug/l	97
37) Ethyl Acetate	7.29	43	46547	20.242	ug/l	96
38) Carbon Tetrachloride	8.10	117	142018	20.422	ug/l	96

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 Sample : VD0930SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
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 VD0930SBS01

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	149981	20.536	ug/l	98
40) Benzene	8.35	78	362750	20.463	ug/l	98
41) Methacrylonitrile	7.56	41	63486	44.895	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	104915	20.019	ug/l	100
43) Isopropyl Acetate	8.45	43	85928	19.382	ug/l	98
44) Trichloroethene	9.11	130	108880	21.548	ug/l	91
45) 1,2-Dichloropropane	9.38	63	91382	20.488	ug/l	99
46) Dibromomethane	9.47	93	49908	20.594	ug/l	94
47) Bromodichloromethane	9.66	83	133038	20.436	ug/l #	96
48) Methyl methacrylate	9.46	41	45289	20.720	ug/l	91
49) 1,4-Dioxane	9.46	88	12557	394.037	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	221451	98.582	ug/l	98
52) Toluene	10.40	92	240807	21.089	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	115741	20.889	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	140576	20.807	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	71912	21.586	ug/l	97
56) Ethyl methacrylate	10.66	69	74419	20.852	ug/l	96
57) 1,3-Dichloropropane	10.94	76	116034	21.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	206274	122.066	ug/l	99
59) 2-Hexanone	10.98	43	146463	96.682	ug/l	97
60) Dibromochloromethane	11.14	129	92849	21.355	ug/l	98
61) 1,2-Dibromoethane	11.24	107	68510	22.110	ug/l	99
64) Tetrachloroethene	10.87	164	93010	21.952	ug/l	95
65) Chlorobenzene	11.67	112	261137	21.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	97603	21.033	ug/l	98
67) Ethyl Benzene	11.74	91	451050	20.946	ug/l	100
68) m/p-Xylenes	11.86	106	354518	43.482	ug/l	97
69) o-Xylene	12.18	106	155823	21.136	ug/l	100
70) Styrene	12.20	104	274088	21.408	ug/l	99
71) Bromoform	12.36	173	53517	22.777	ug/l #	98
73) Isopropylbenzene	12.48	105	430282	20.659	ug/l	97
74) N-amyl acetate	12.29	43	77412	19.032	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	72843	20.268	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	95772	40.082	ug/l #	100
77) Bromobenzene	12.76	156	104560	21.465	ug/l	94
78) n-propylbenzene	12.82	91	516488	20.612	ug/l	98
79) 2-Chlorotoluene	12.91	91	291445	20.411	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	362961	20.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22570	23.633	ug/l	97
82) 4-Chlorotoluene	13.01	91	315963	20.991	ug/l	100
83) tert-Butylbenzene	13.23	119	304196	20.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	370012	21.114	ug/l	99
85) sec-Butylbenzene	13.40	105	444942	21.306	ug/l	99
86) p-Isopropyltoluene	13.52	119	407926	21.671	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	204889	21.290	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	199847	20.908	ug/l	98
89) n-Butylbenzene	13.85	91	367352	20.532	ug/l	99
90) Hexachloroethane	14.11	117	76356	19.980	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	174418	21.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11773	20.363	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

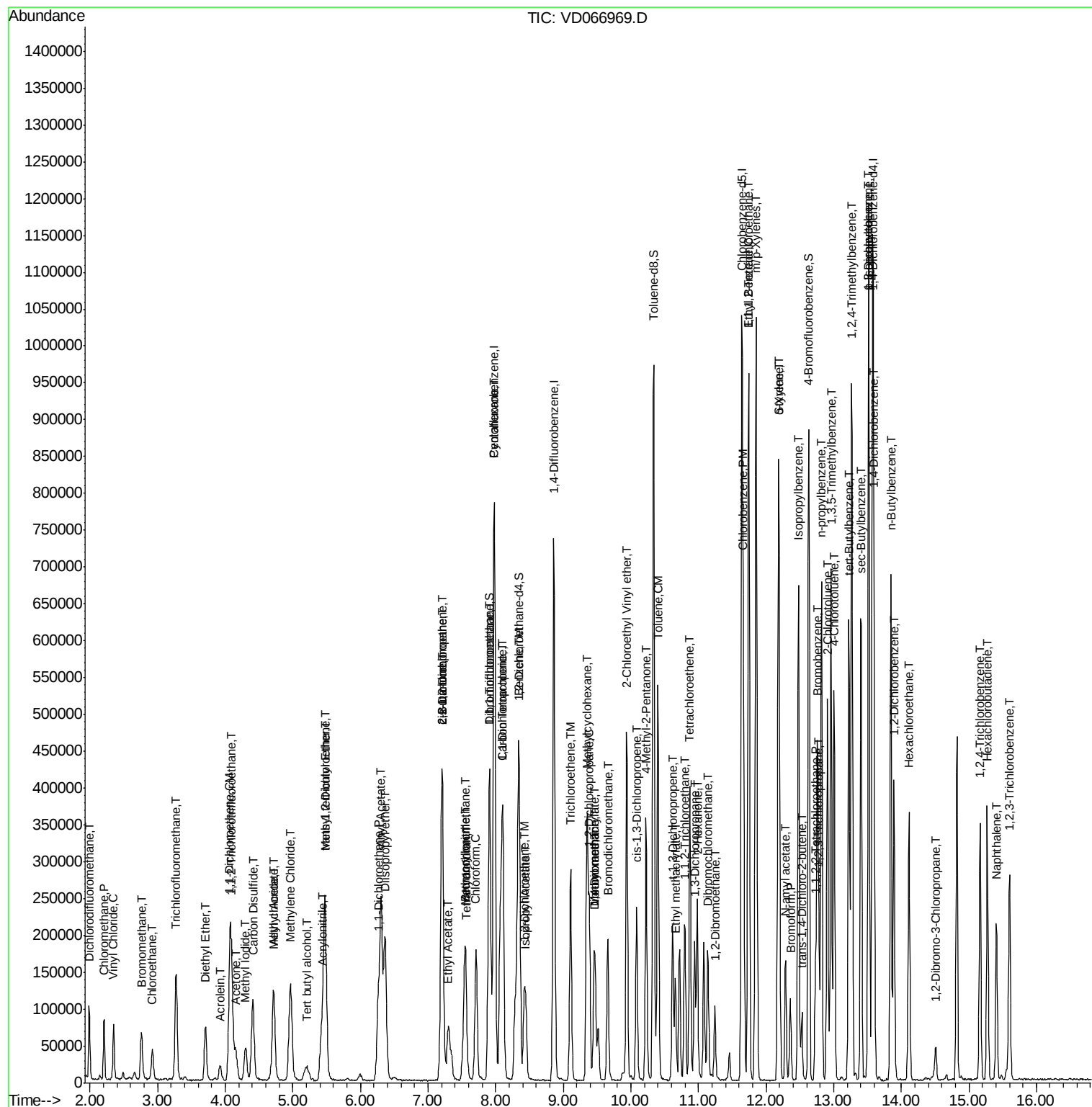
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110391	21.298	ug/l	99
94) Hexachlorobutadiene	15.28	225	68243	21.971	ug/l	98
95) Naphthalene	15.41	128	184609	20.979	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	95265	21.295	ug/l	99

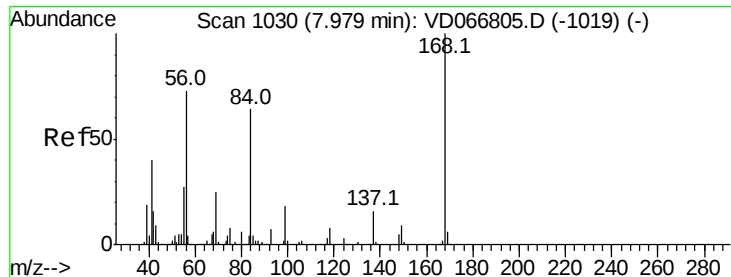
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
Data File : VD066969.D
Acq On : 30 Sep 2020 13:08
Operator : VA/SY
Sample : VD0930SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Quant Time: Oct 01 00:55:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

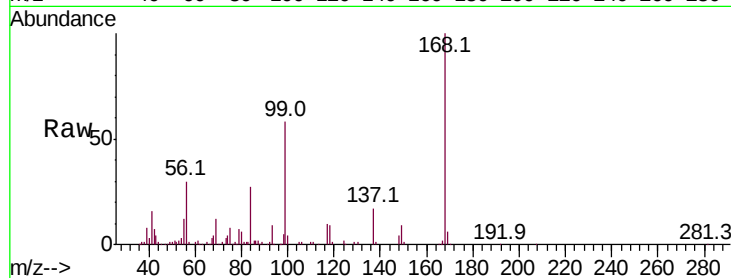
VD0930SBSD01

Tot Ion:168 Resp: 410258

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

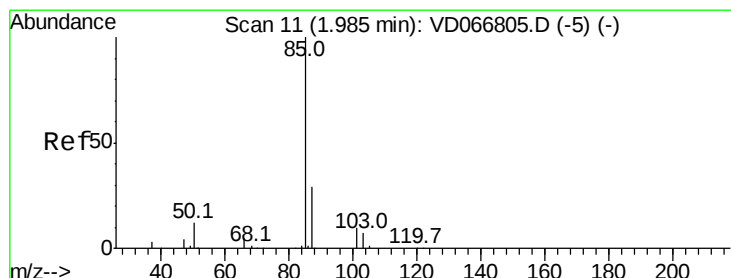
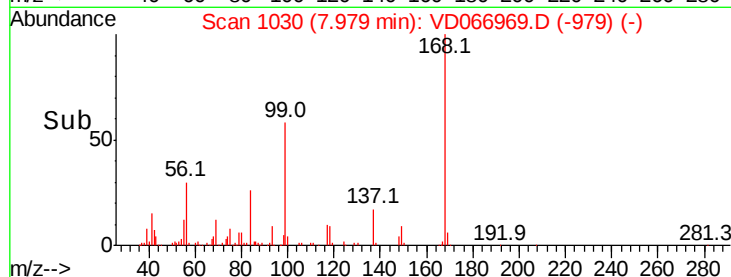
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.370 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066969.D

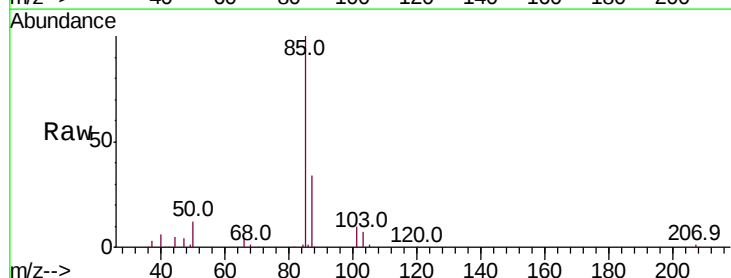
Acq: 30 Sep 2020 13:08

Tgt Ion: 85 Resp: 73191

Ion Ratio Lower Upper

85 100

87 34.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

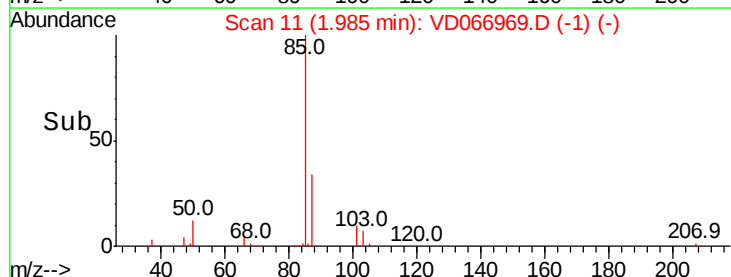
20000

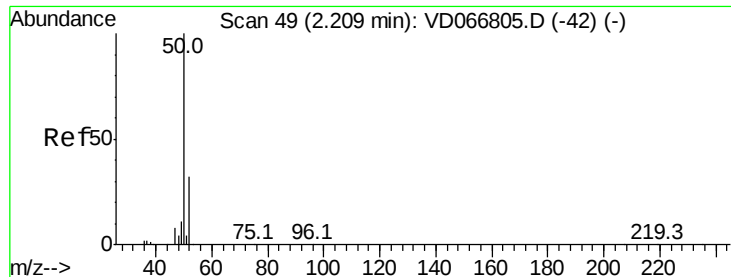
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.432 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

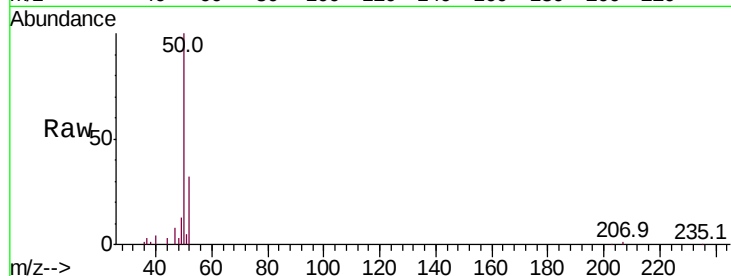
VD0930SBSD01

Tot Ion: 50 Resp: 69478

Ion Ratio Lower Upper

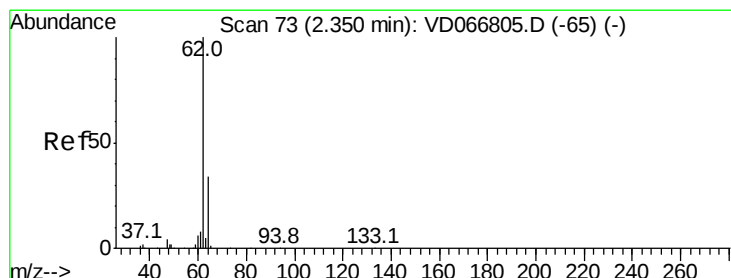
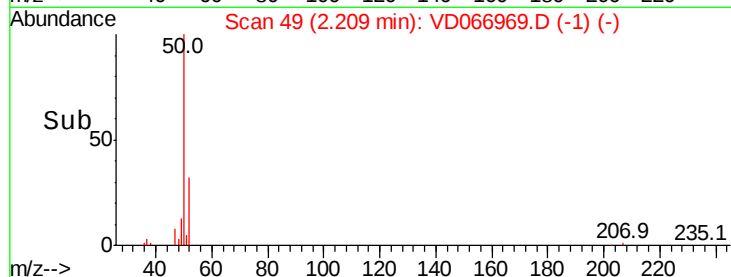
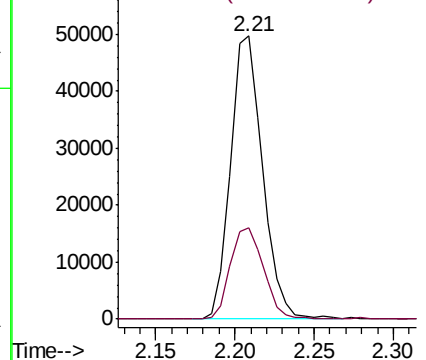
50 100

52 32.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.800 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066969.D

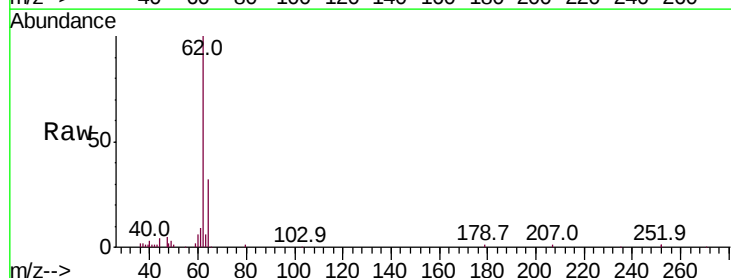
Acq: 30 Sep 2020 13:08

Tgt Ion: 62 Resp: 70011

Ion Ratio Lower Upper

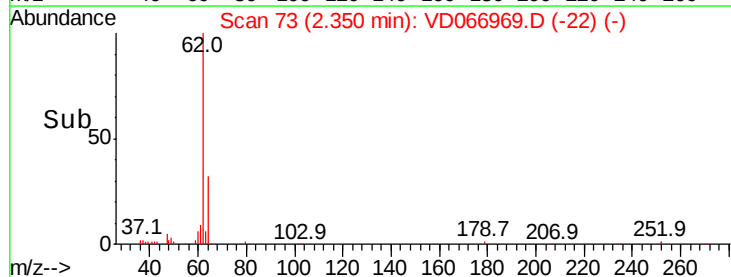
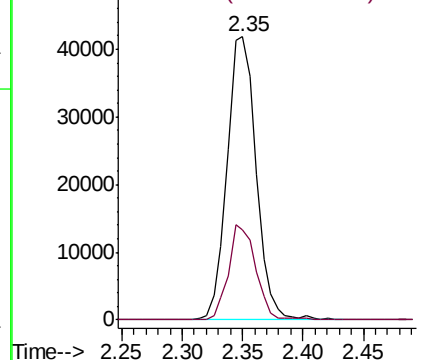
62 100

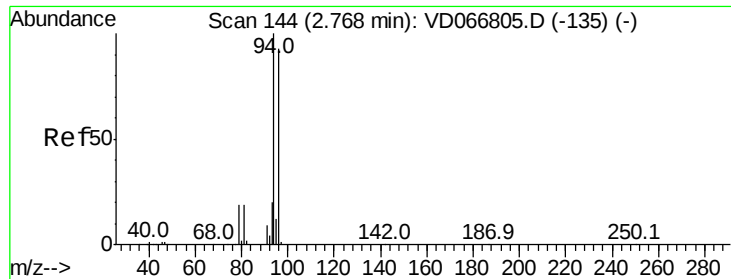
64 31.7 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.299 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

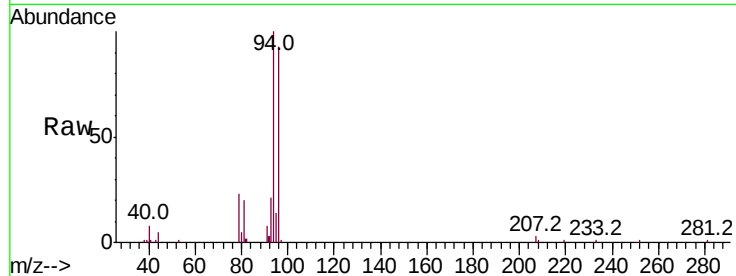
VD0930SBSD01

Tot Ion: 94 Resp: 50515

Ion Ratio Lower Upper

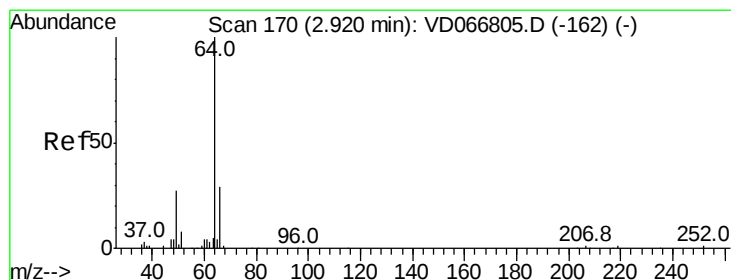
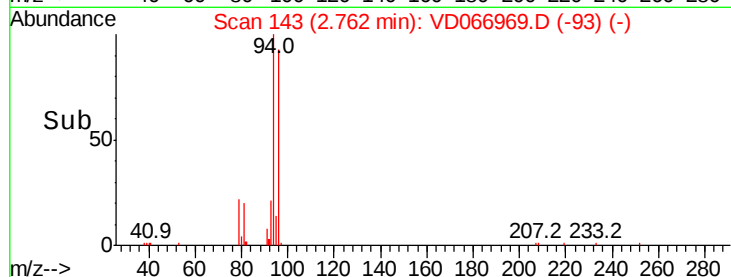
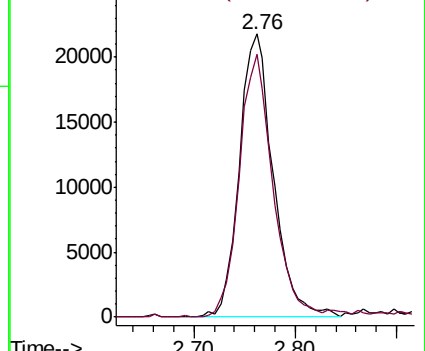
94 100

96 92.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.470 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066969.D

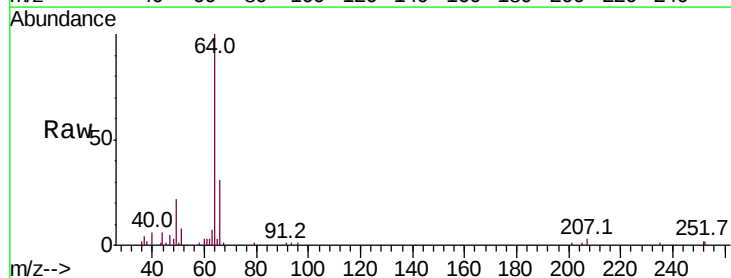
Acq: 30 Sep 2020 13:08

Tgt Ion: 64 Resp: 42712

Ion Ratio Lower Upper

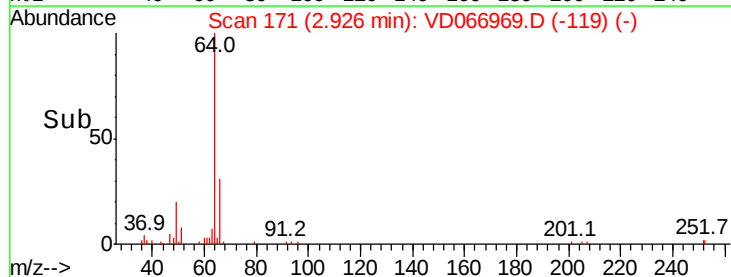
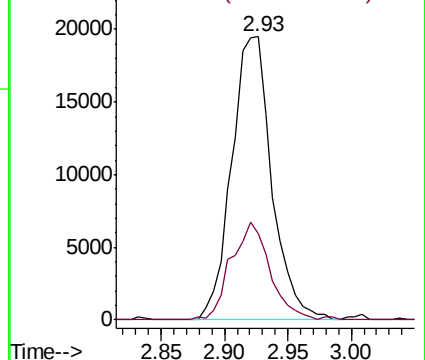
64 100

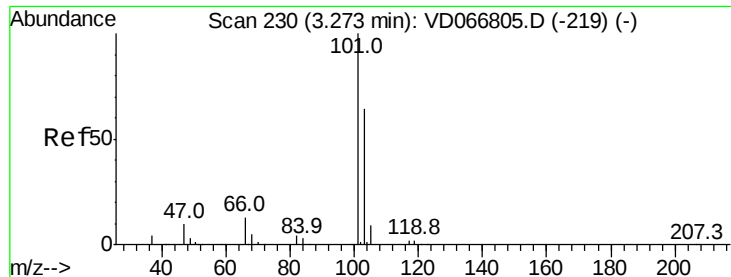
66 30.5 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



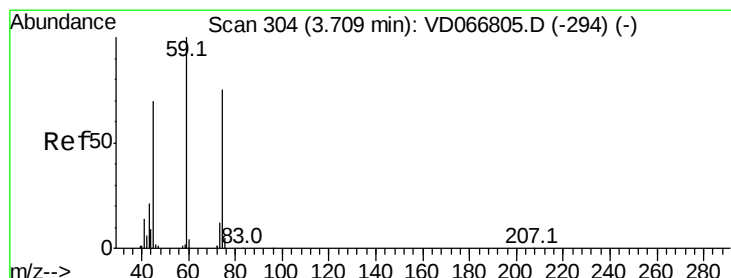
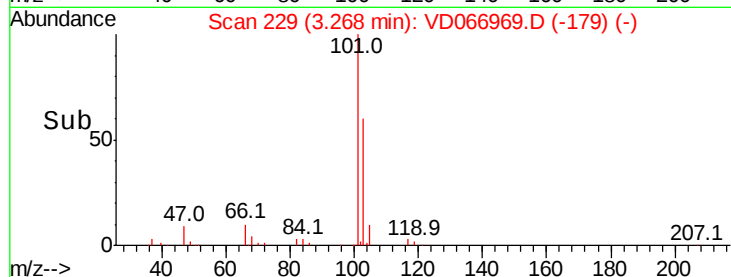
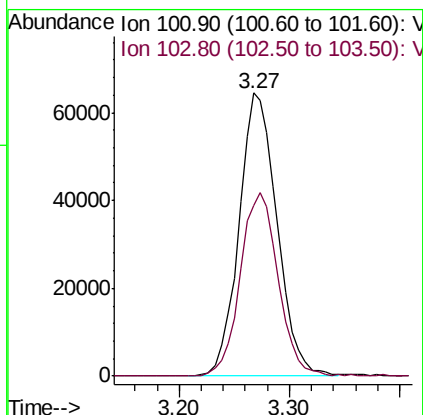
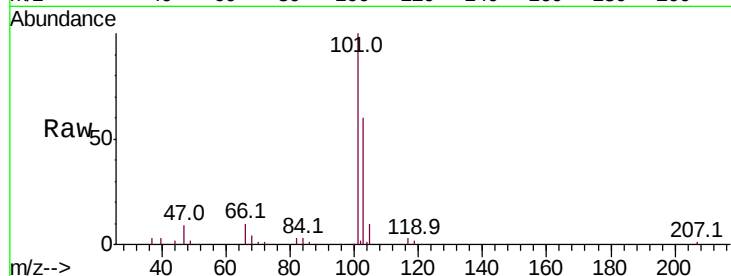


#7

Trichlorofluoromethane
Concen: 20.366 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

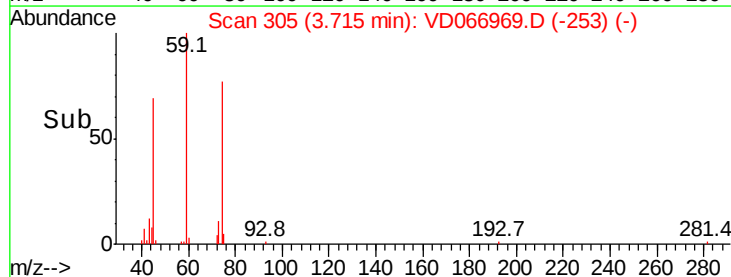
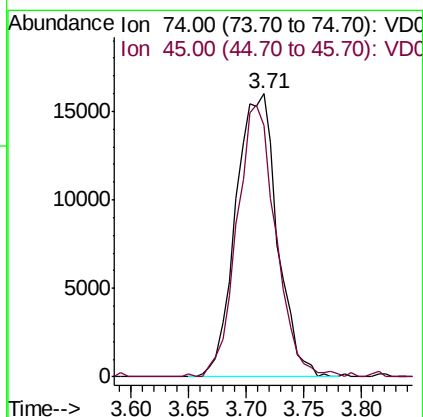
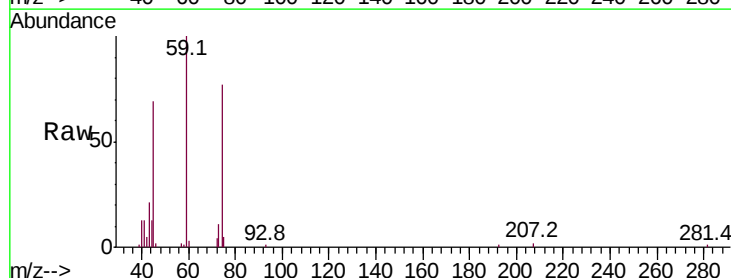
Tot Ion:101 Resp: 155758
Ion Ratio Lower Upper
101 100
103 60.5 51.0 76.6

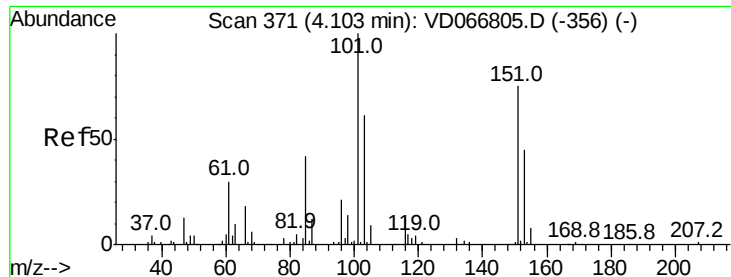


#8

Diethyl Ether
Concen: 20.558 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 74 Resp: 39915
Ion Ratio Lower Upper
74 100
45 90.2 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.961 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

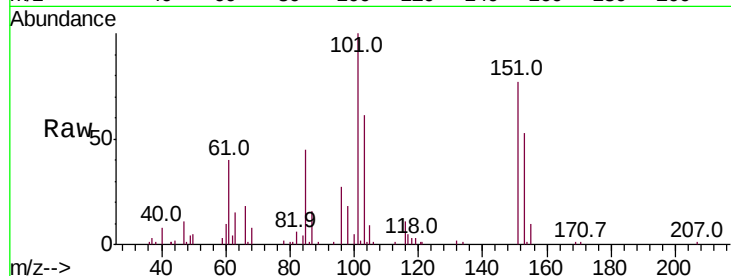
Tot Ion:101 Resp: 92955

Ion Ratio Lower Upper

101 100

85 42.6 35.4 53.2

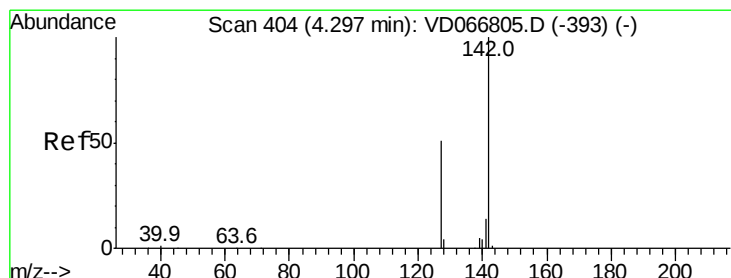
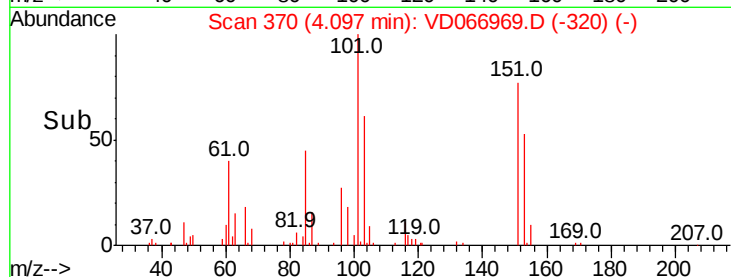
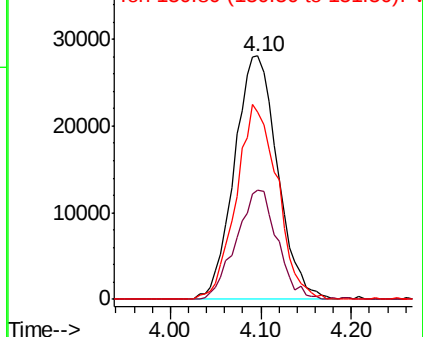
151 76.7 61.4 92.0



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: 19.471 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

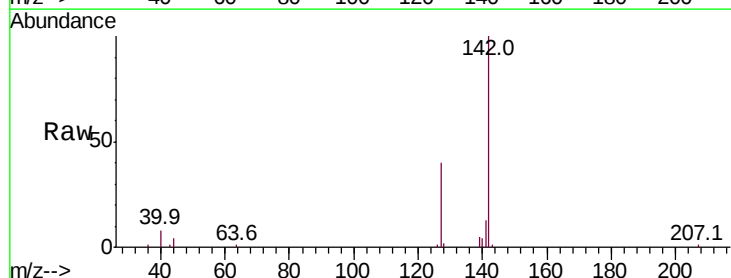
Tgt Ion:142 Resp: 76199

Ion Ratio Lower Upper

142 100

127 47.3 39.4 59.0

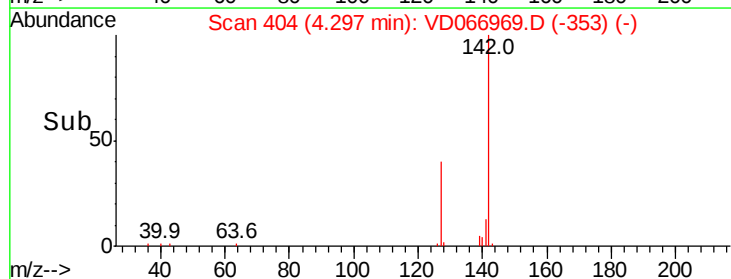
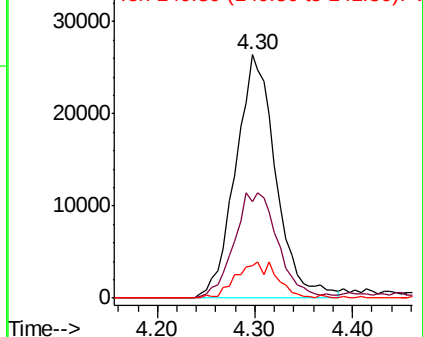
141 15.1 12.1 18.1

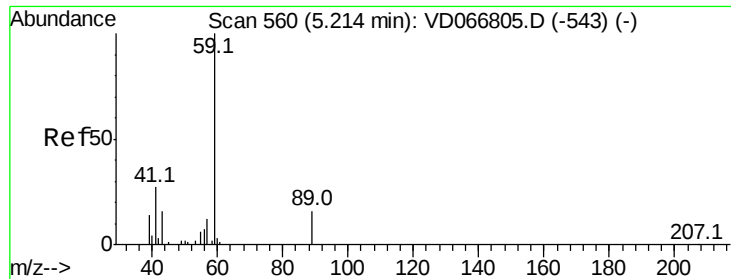


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

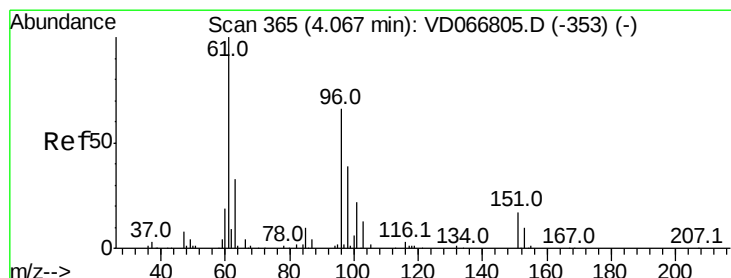
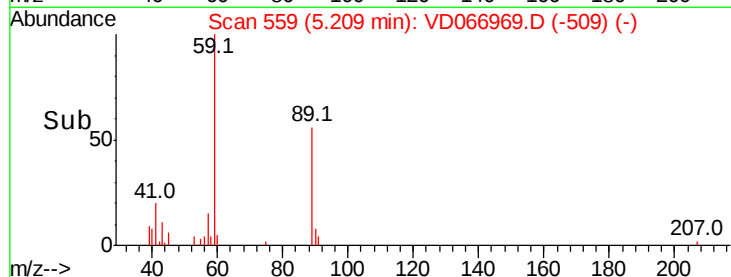
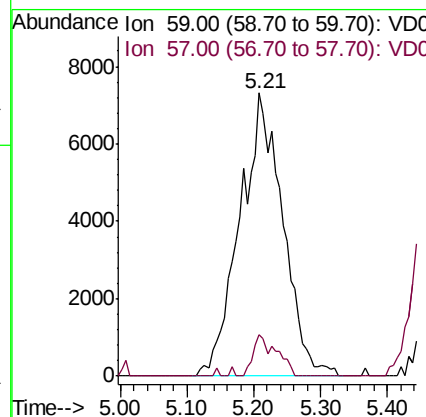
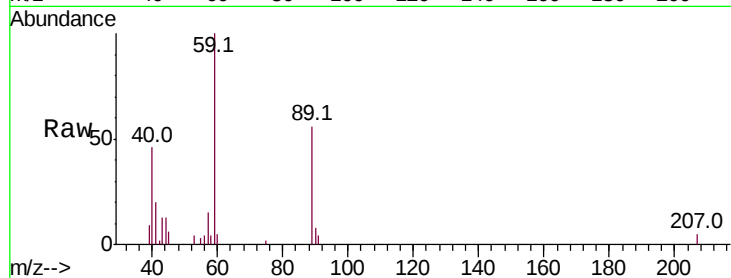




#11
Tert butyl alcohol
Concen: 106.868 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

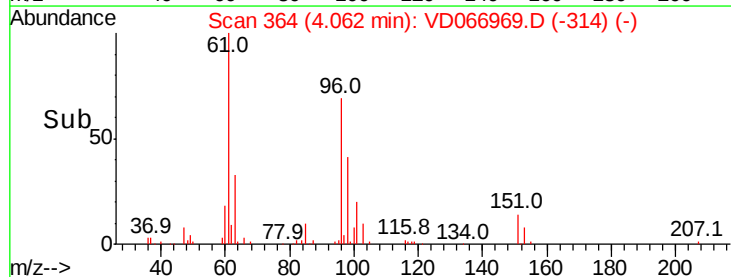
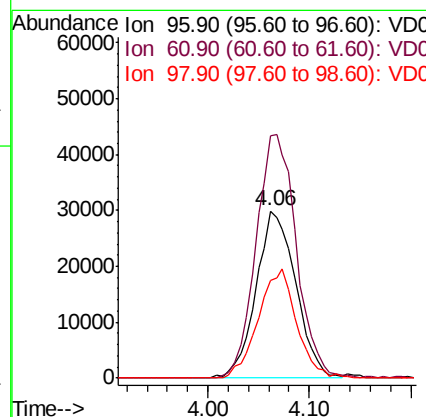
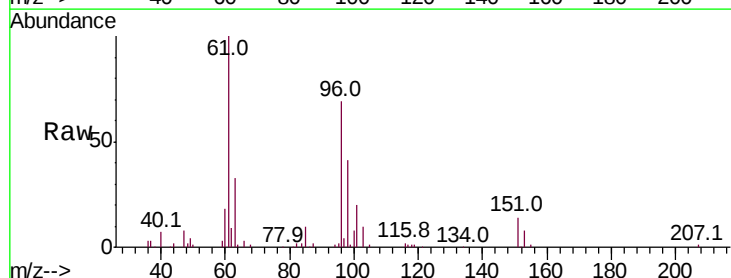
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

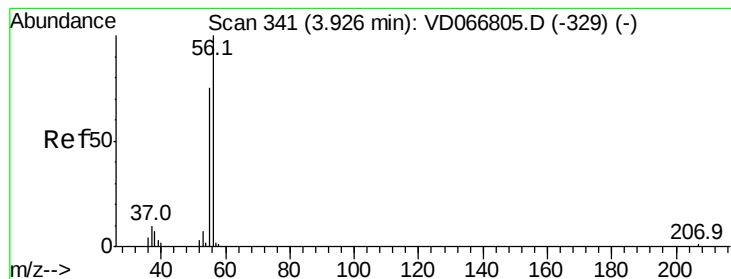
Tot Ion: 59 Resp: 32564
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 20.188 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 96 Resp: 81103
Ion Ratio Lower Upper
96 100
61 144.7 120.8 181.2
98 58.8 47.7 71.5





#13

Acrolein

Concen: 77.632 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

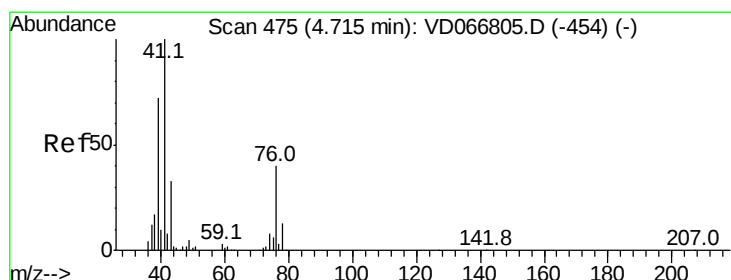
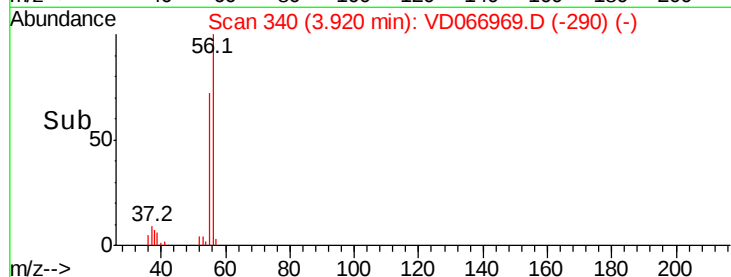
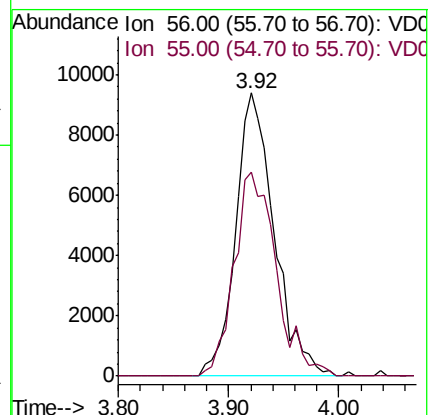
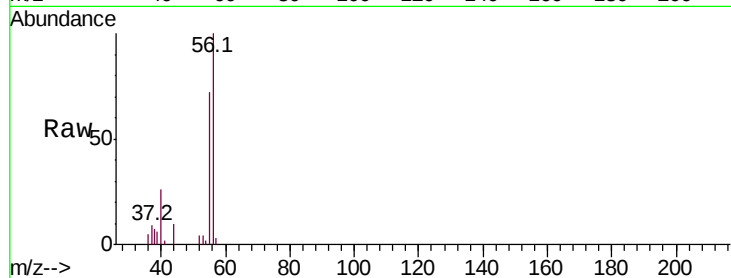
VD0930SBSD01

Tot Ion: 56 Resp: 22996

Ion Ratio Lower Upper

56 100

55 78.7 60.3 90.5



#14

Allyl chloride

Concen: 18.610 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

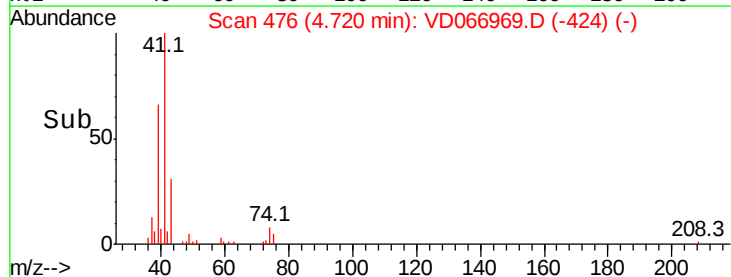
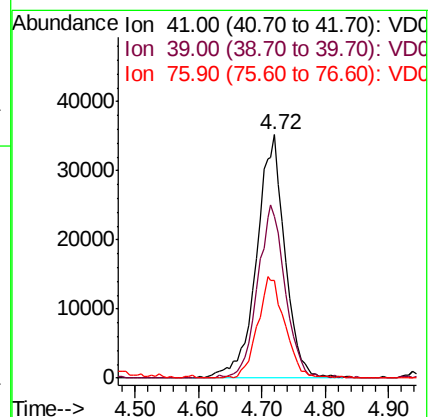
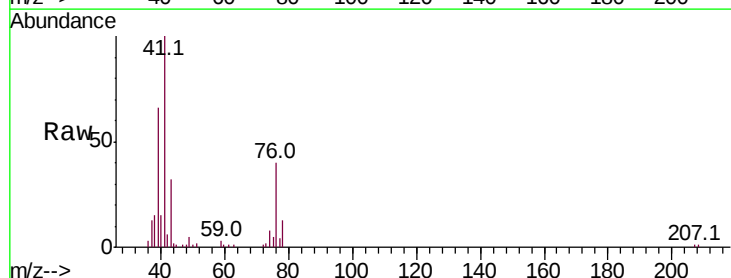
Tgt Ion: 41 Resp: 109784

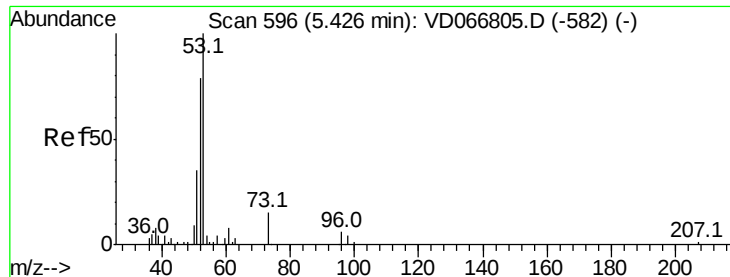
Ion Ratio Lower Upper

41 100

39 67.1 57.8 86.8

76 40.3 30.9 46.3





#15

Acrylonitrile

Concen: 97.431 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

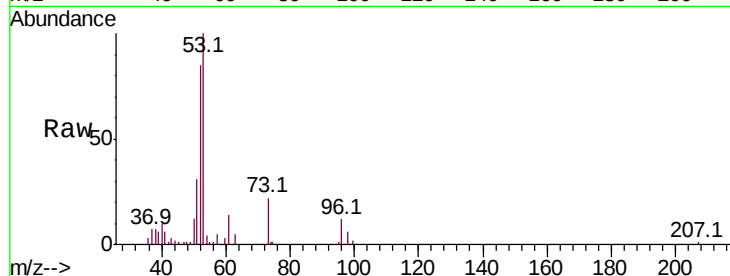
Tot Ion: 53 Resp: 83834

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

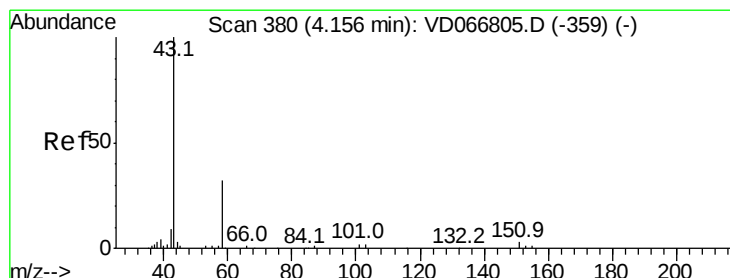
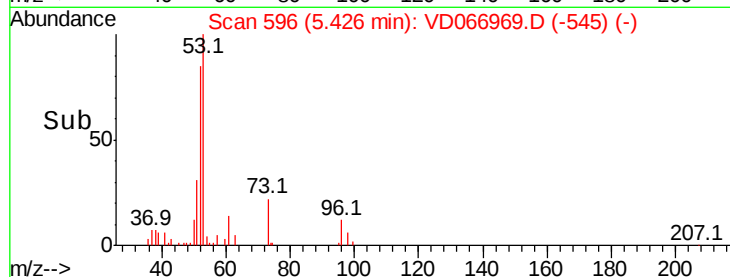
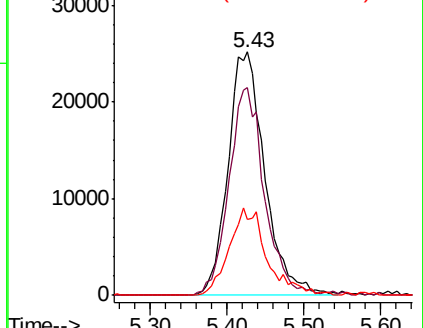
51 36.6 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 79.560 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066969.D

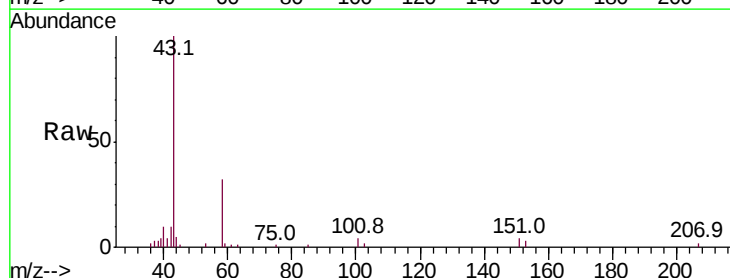
Acq: 30 Sep 2020 13:08

Tgt Ion: 43 Resp: 67770

Ion Ratio Lower Upper

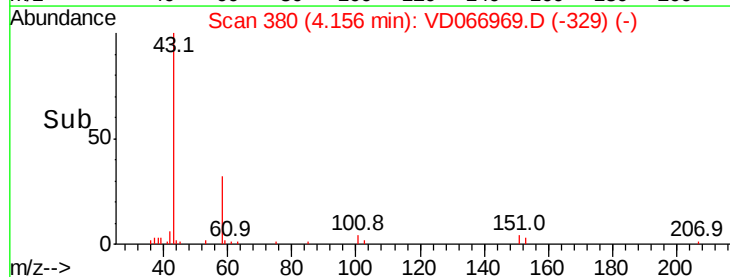
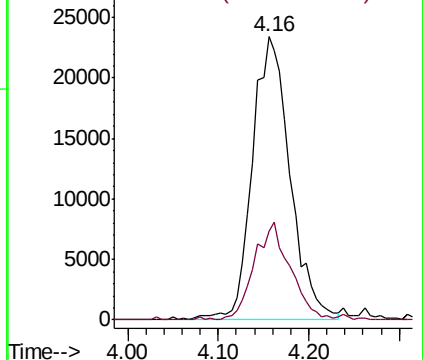
43 100

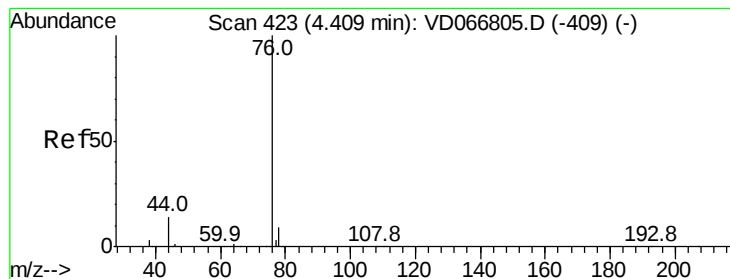
58 31.6 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.343 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

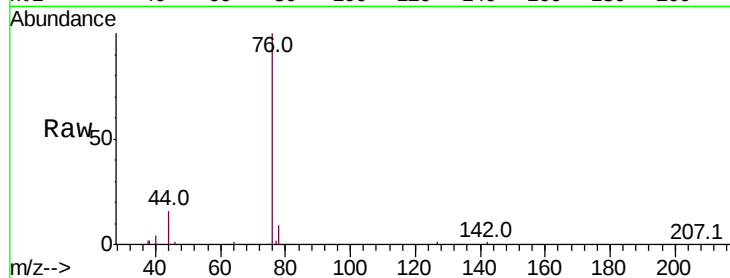
VD0930SBSD01

Tot Ion: 76 Resp: 237573

Ion Ratio Lower Upper

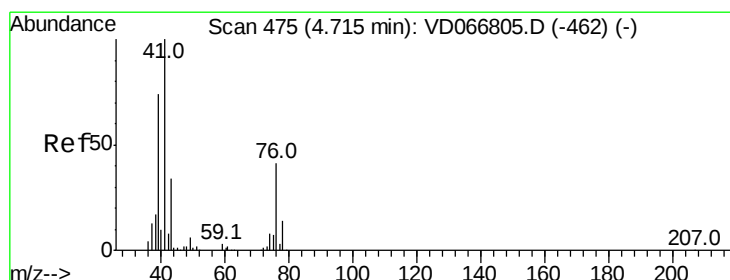
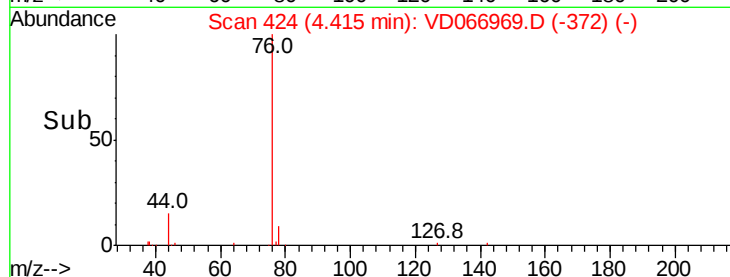
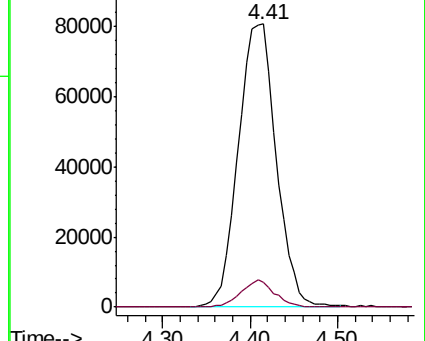
76 100

78 8.9 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.202 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066969.D

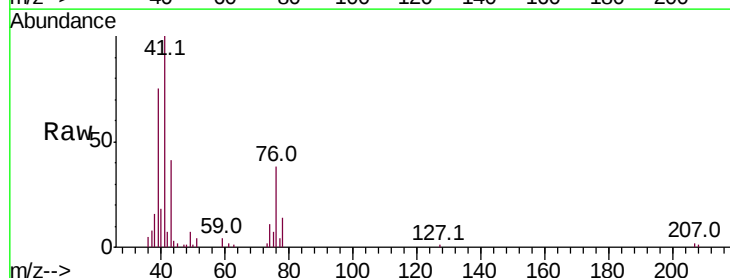
Acq: 30 Sep 2020 13:08

Tgt Ion: 43 Resp: 37219

Ion Ratio Lower Upper

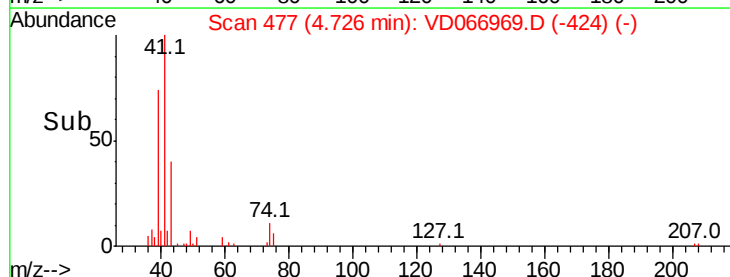
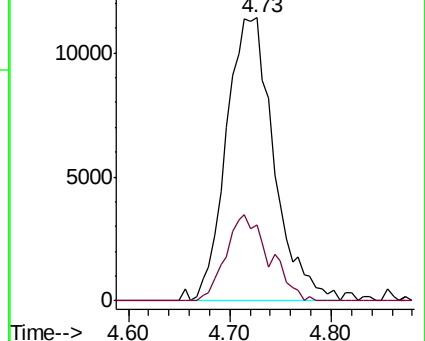
43 100

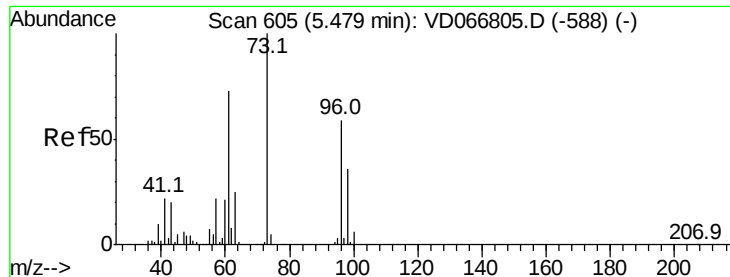
74 27.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

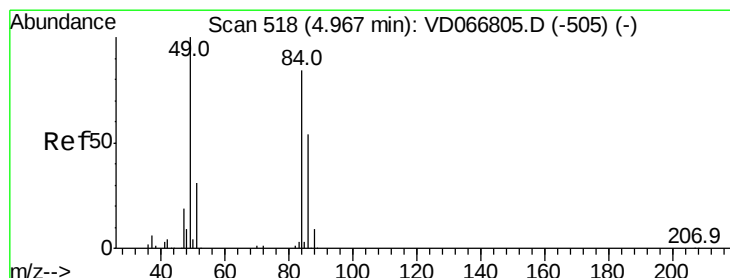
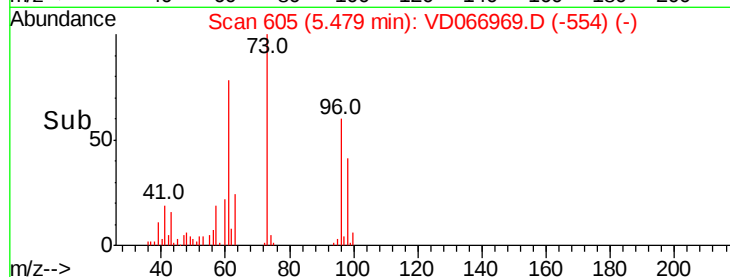
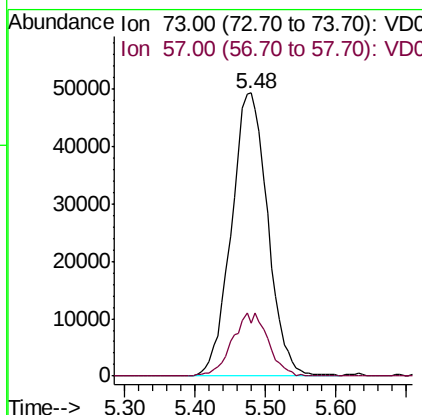
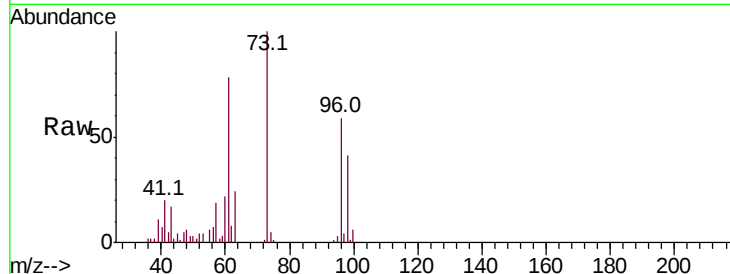




#19
Methyl tert-butyl Ether
Concen: 20.234 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

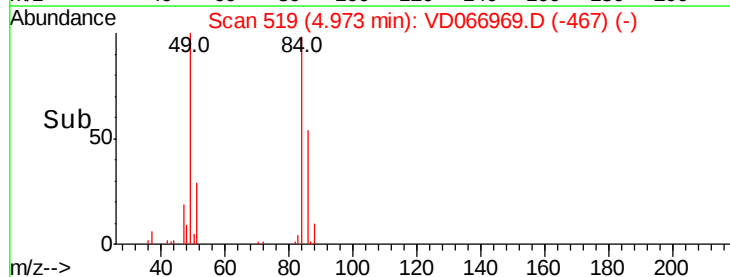
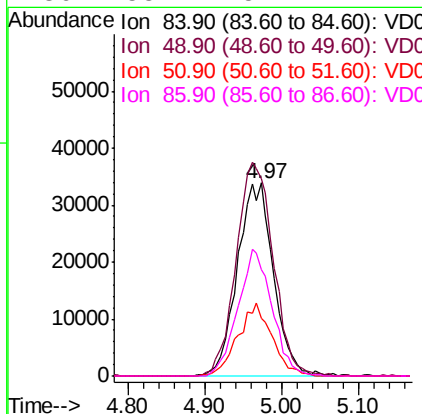
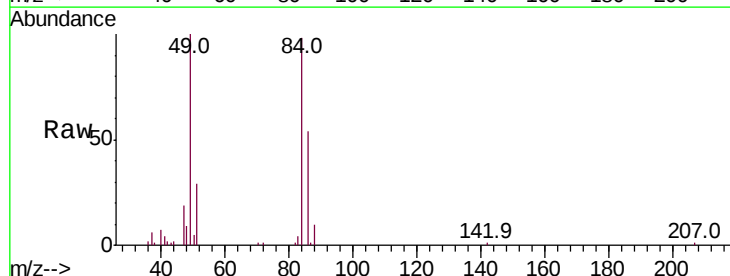
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

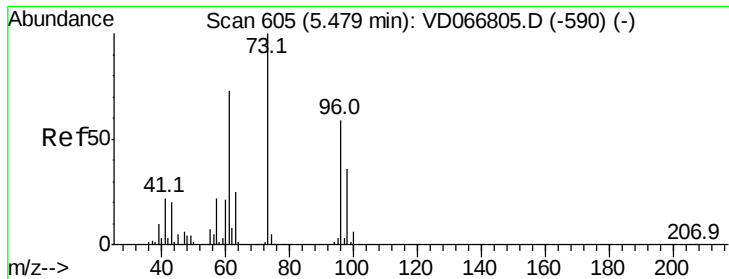
Tot Ion: 73 Resp: 176526
Ion Ratio Lower Upper
73 100
57 18.7 17.4 26.2



#20
Methylene Chloride
Concen: 20.809 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 84 Resp: 111288
Ion Ratio Lower Upper
84 100
49 102.0 95.4 143.2
51 29.9 29.7 44.5
86 55.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.330 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

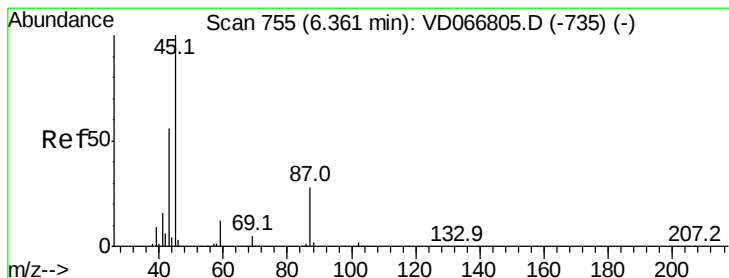
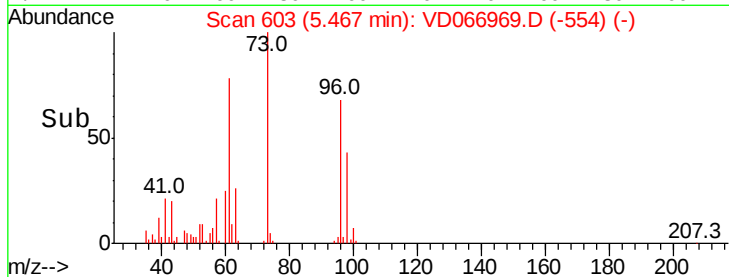
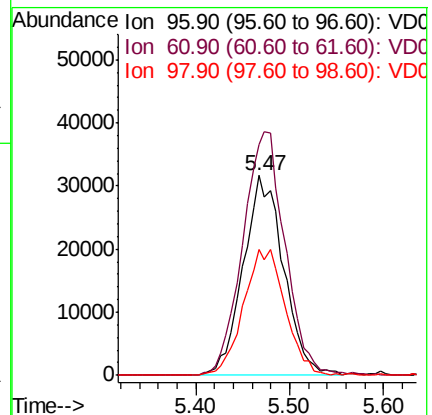
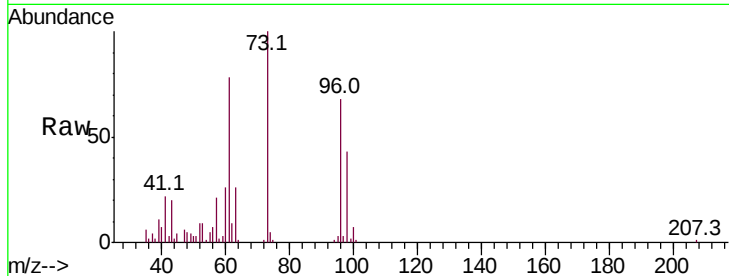
Tot Ion: 96 Resp: 94570

Ion Ratio Lower Upper

96 100

61 115.4 98.9 148.3

98 62.9 48.4 72.6



#22

Diisopropyl ether

Concen: 19.810 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion: 45 Resp: 240280

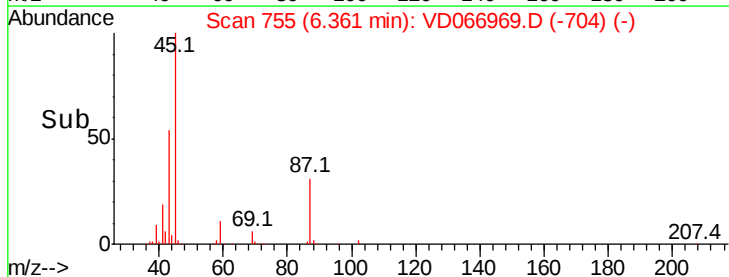
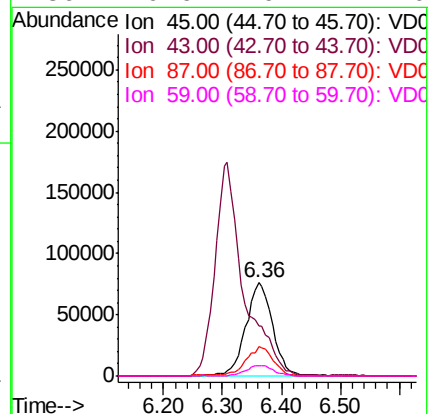
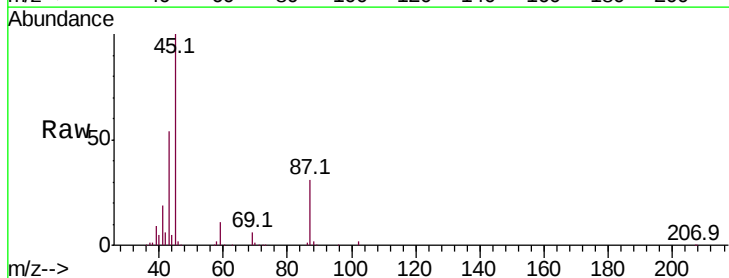
Ion Ratio Lower Upper

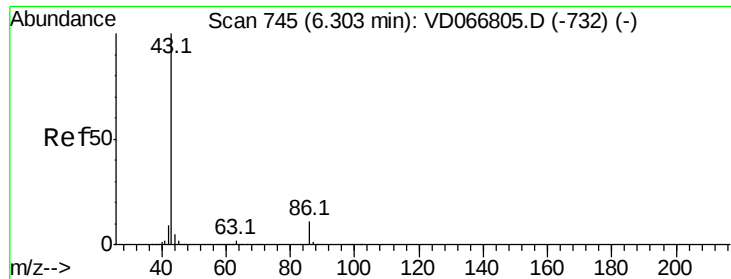
45 100

43 52.9 44.5 66.7

87 30.9 22.9 34.3

59 10.6 9.4 14.0





#23

Vinyl Acetate

Concen: 91.020 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

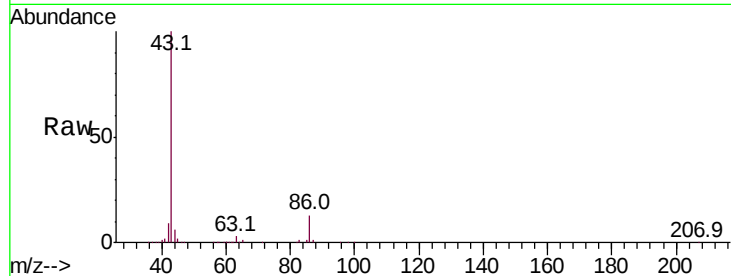
VD0930SBS01

Tot Ion: 43 Resp: 588078

Ion Ratio Lower Upper

43 100

86 12.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

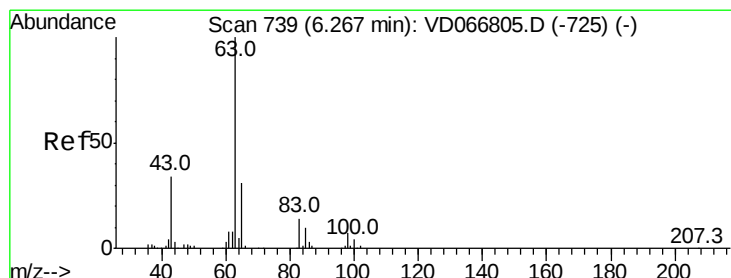
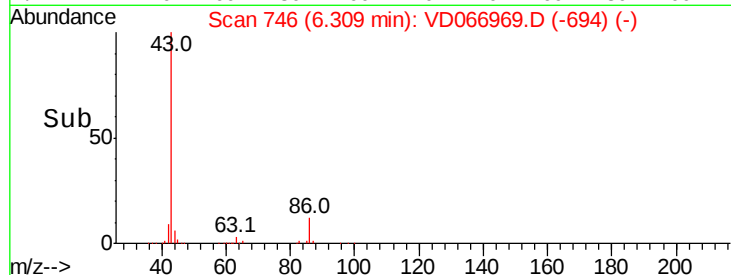
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.575 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

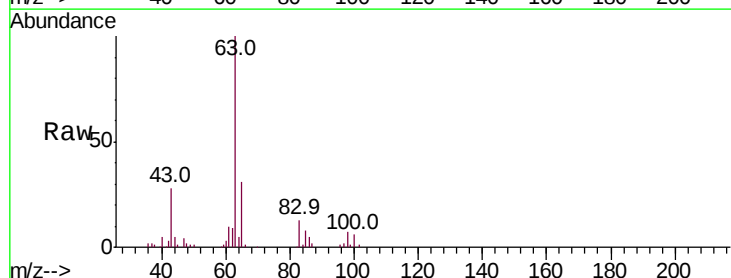
Tgt Ion: 63 Resp: 158840

Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

100 5.7 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

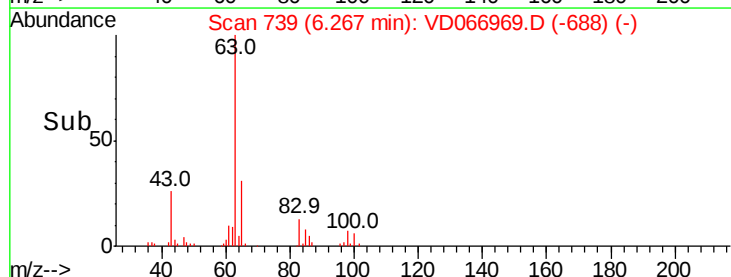
60000

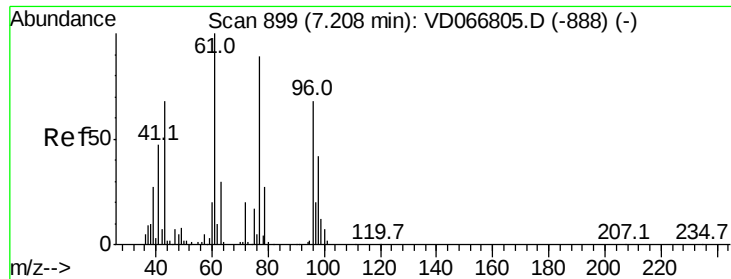
40000

20000

0

Time-->

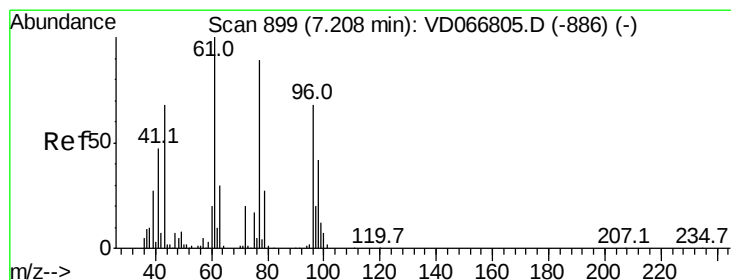
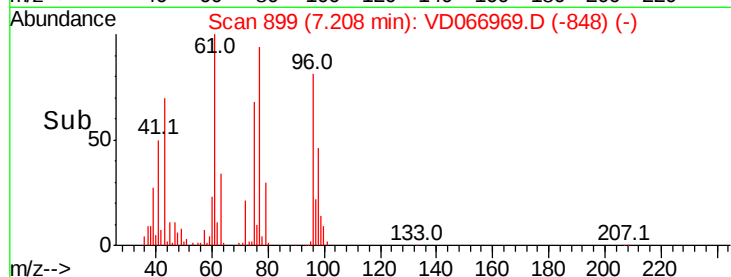
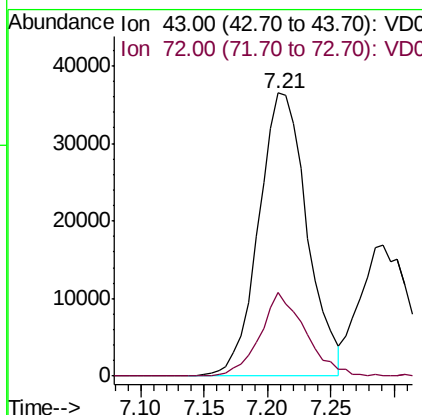
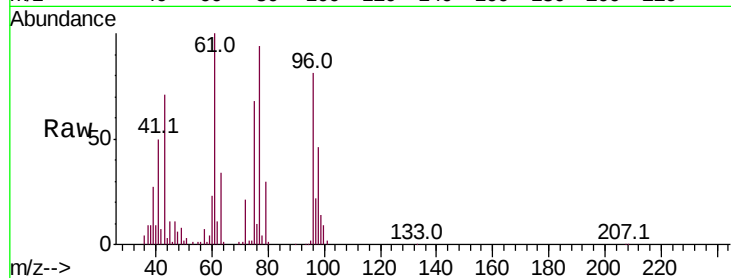




#25
2-Butanone
Concen: 94.747 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

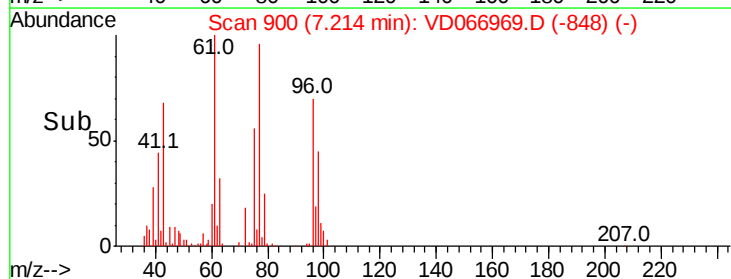
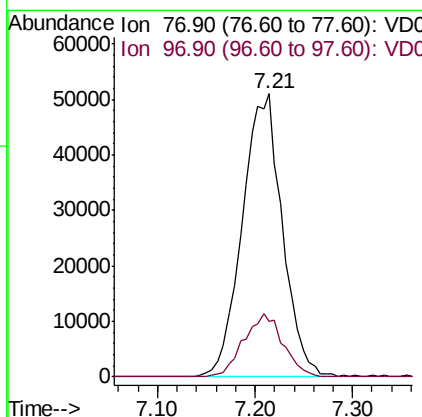
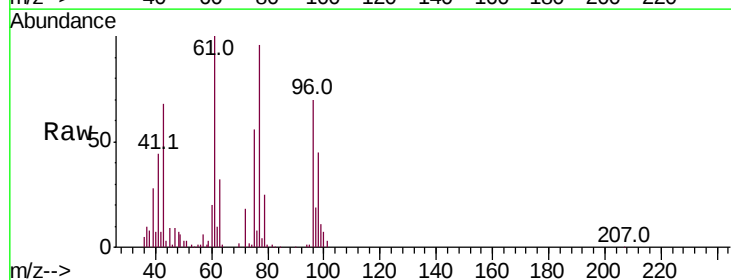
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

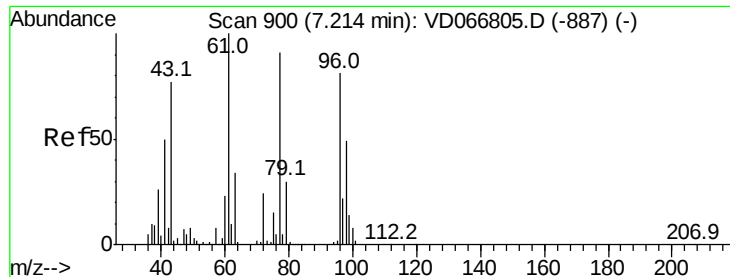
Tot Ion: 43 Resp: 96988
Ion Ratio Lower Upper
43 100
72 29.5 22.9 34.3



#26
2,2-Dichloropropane
Concen: 19.732 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 77 Resp: 146749
Ion Ratio Lower Upper
77 100
97 21.9 11.7 35.1



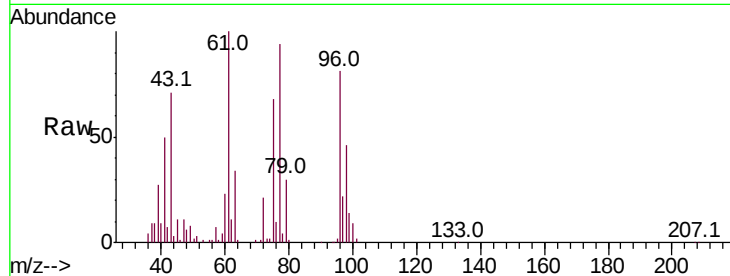


#27

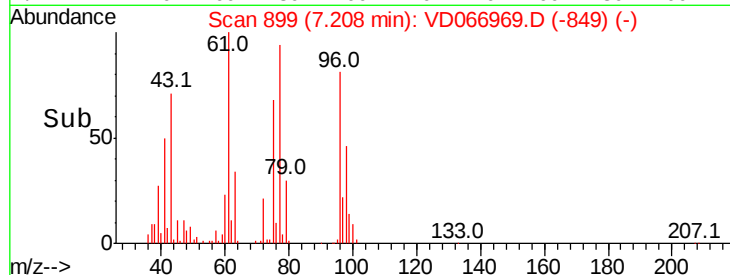
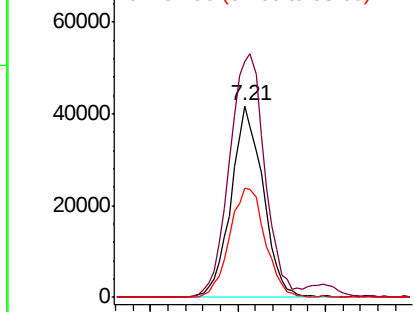
cis-1,2-Dichloroethene
Concen: 20.534 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 96 Resp: 103780
Ion Ratio Lower Upper
96 100
61 140.6 0.0 283.8
98 63.0 0.0 128.4



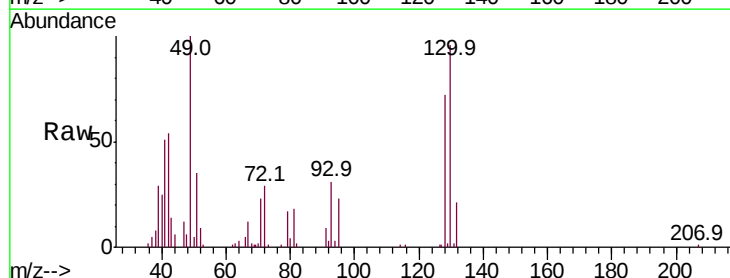
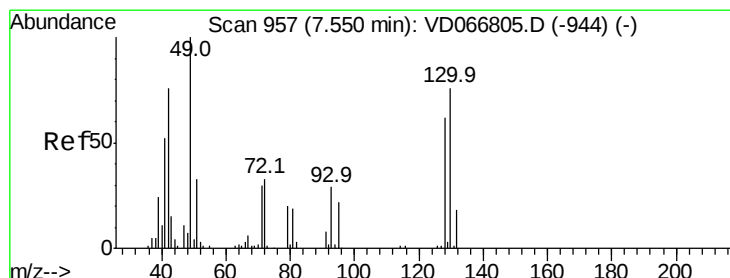
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



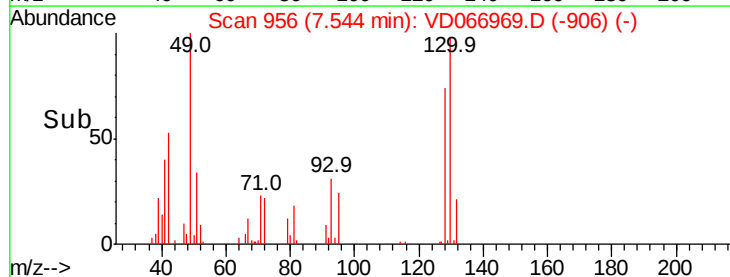
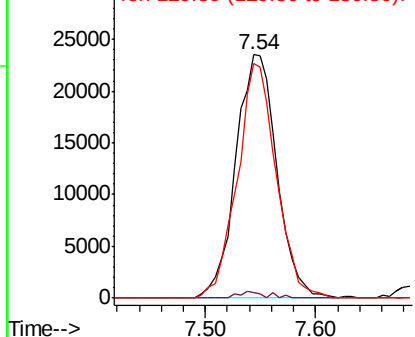
#28

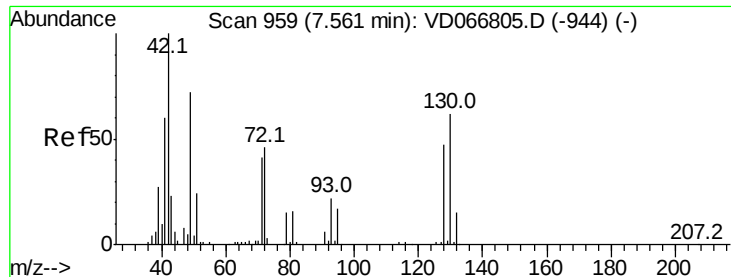
Bromochloromethane
Concen: 18.255 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 49 Resp: 61193
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.0
130 91.7 65.9 98.9



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

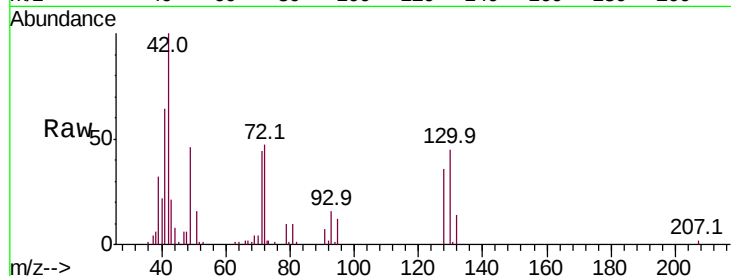




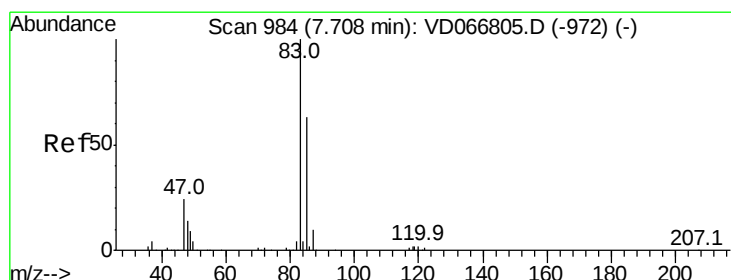
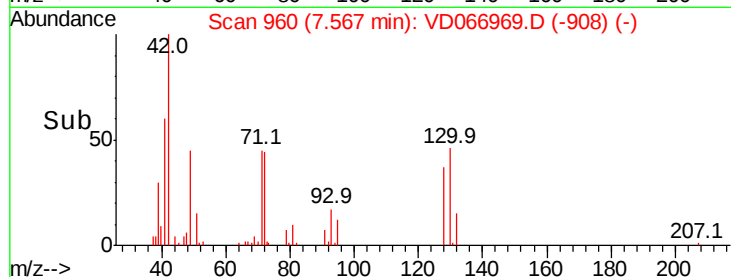
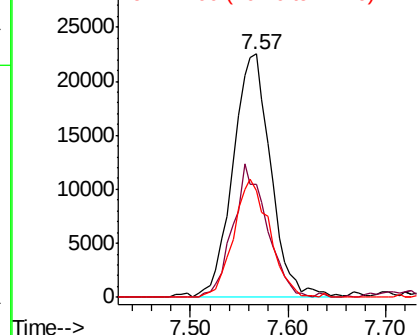
#29
Tetrahydrofuran
Concen: 92.558 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion: 42 Resp: 60709
Ion Ratio Lower Upper
42 100
72 49.2 36.2 54.4
71 46.2 32.4 48.6

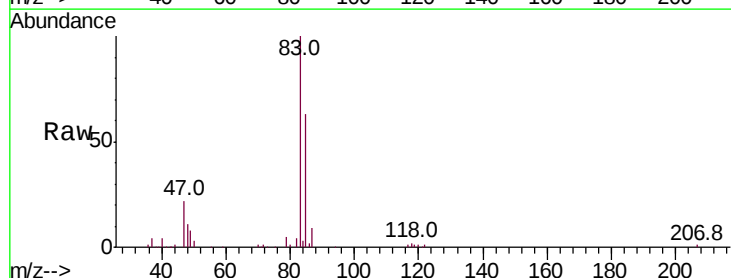


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

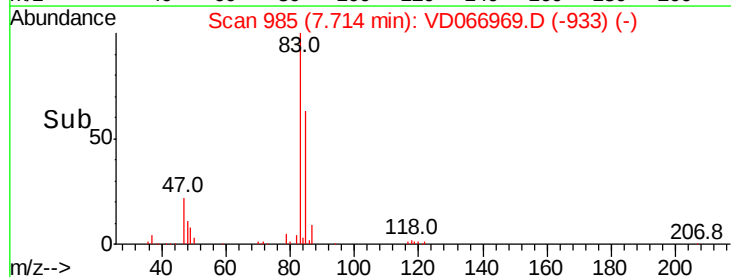
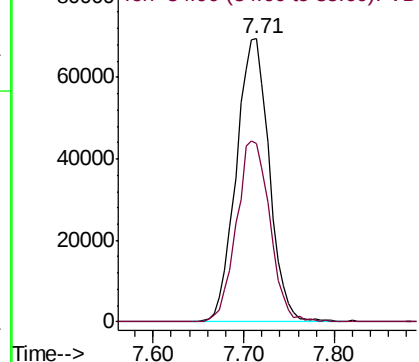


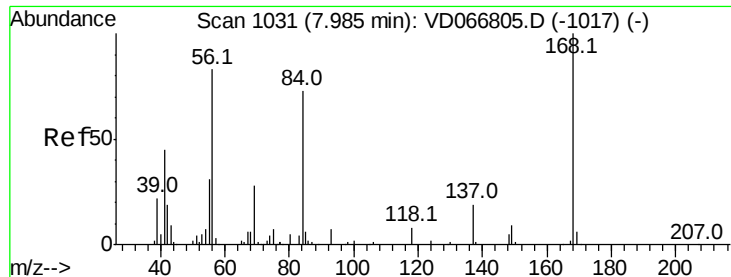
#30
Chloroform
Concen: 20.114 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 83 Resp: 175933
Ion Ratio Lower Upper
83 100
85 63.0 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

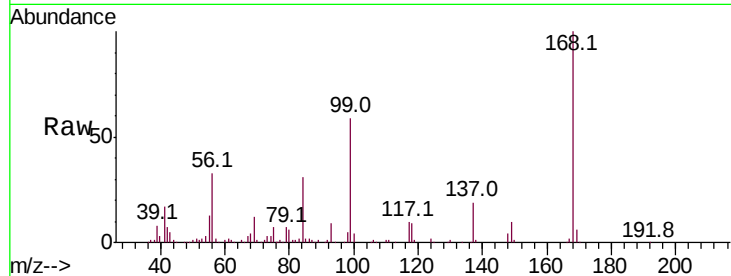




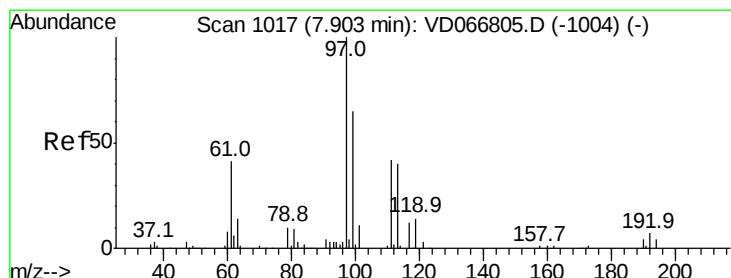
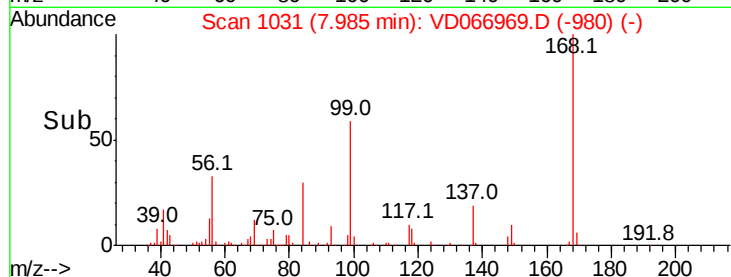
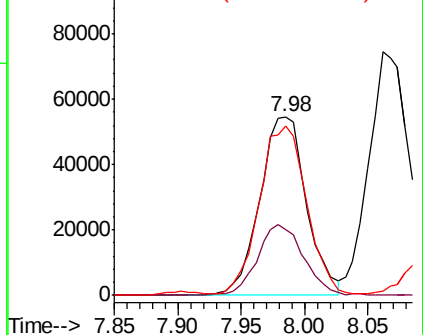
#31
Cyclohexane
Concen: 19.177 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion: 56 Resp: 140016
Ion Ratio Lower Upper
56 100
69 36.9 27.0 40.4
84 93.1 70.2 105.4

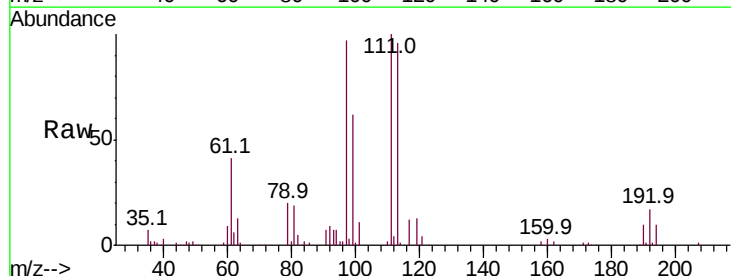


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

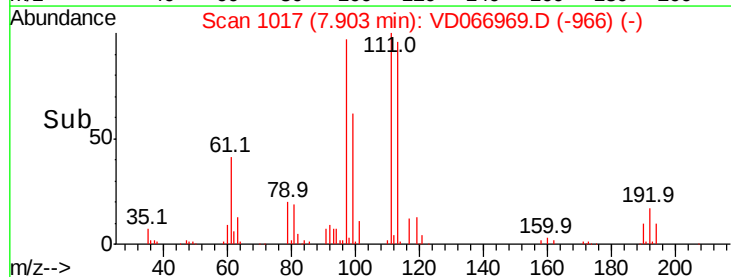
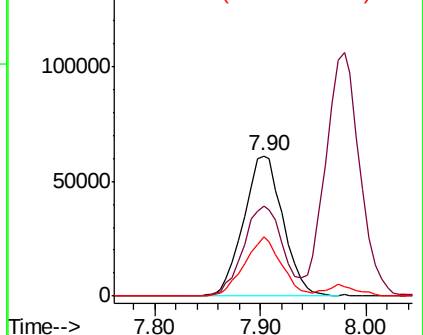


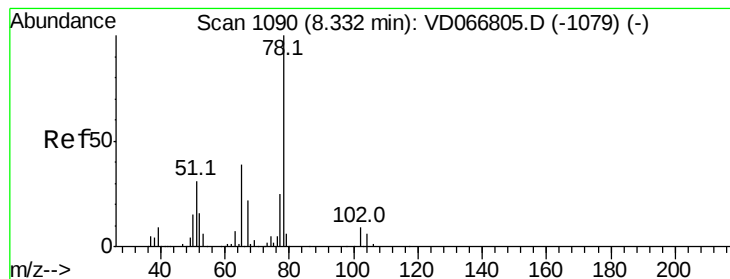
#32
1,1,1-Trichloroethane
Concen: 20.028 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 97 Resp: 158467
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 39.9 34.2 51.4



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: 44.777 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

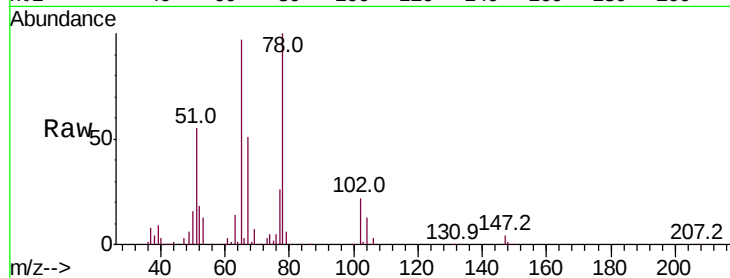
VD0930SBSD01

Tot Ion: 65 Resp: 179800

Ion Ratio Lower Upper

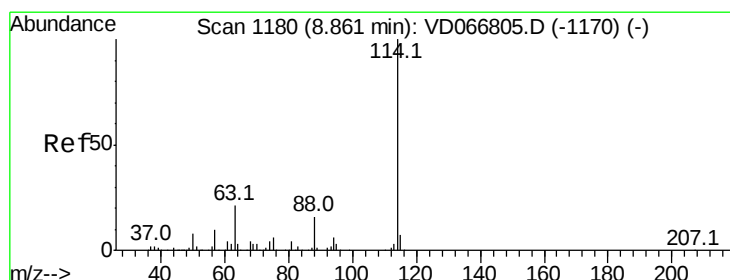
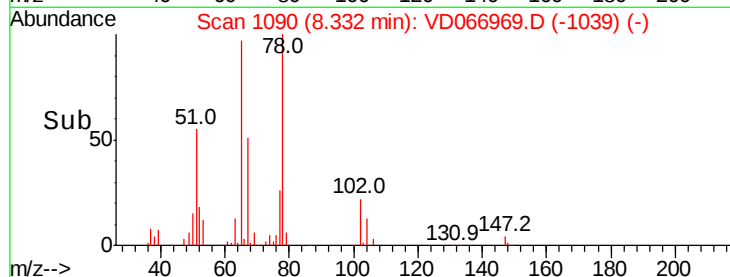
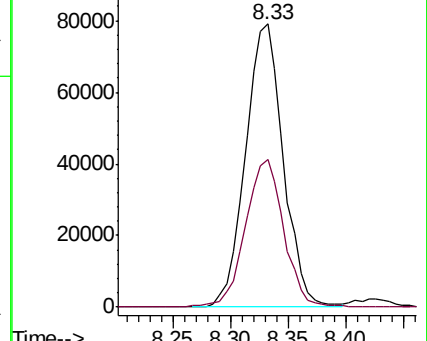
65 100

67 52.9 0.0 107.2



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

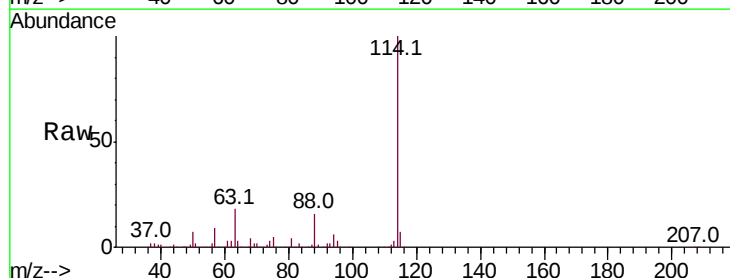
Tgt Ion: 114 Resp: 641159

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.6

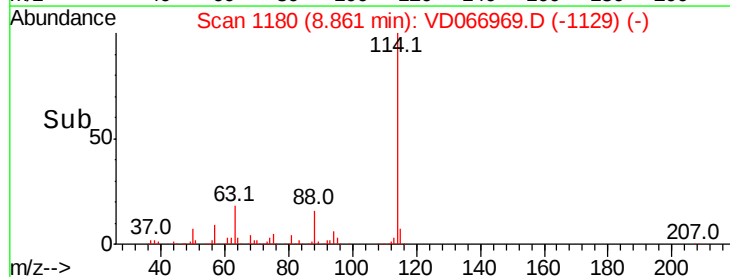
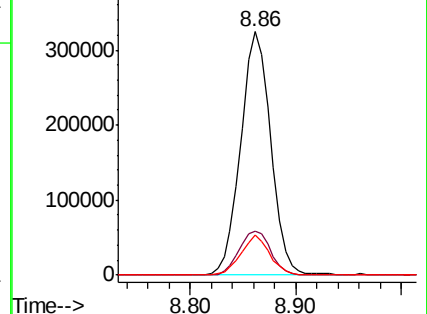
88 16.3 0.0 32.6

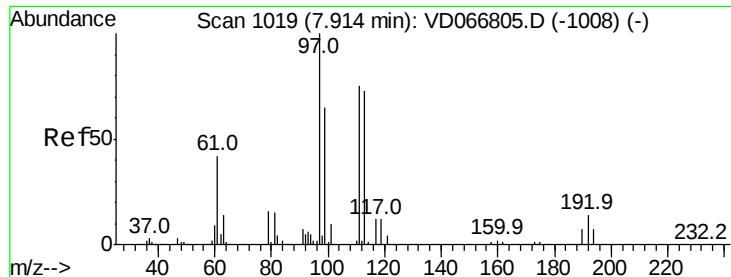


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

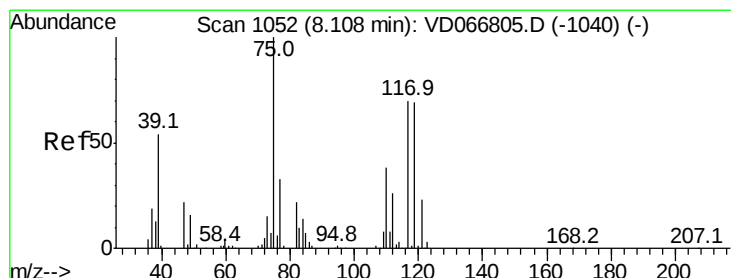
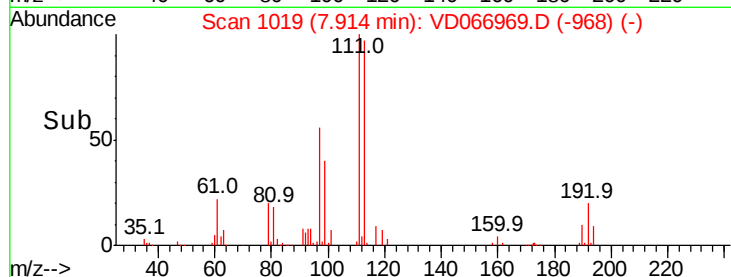
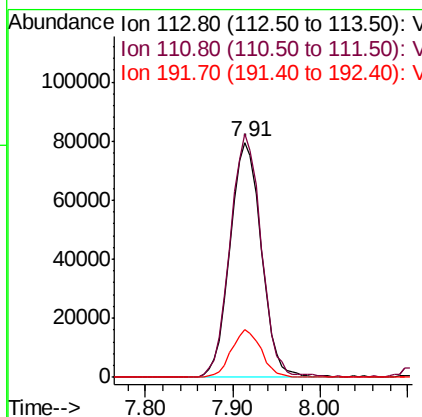
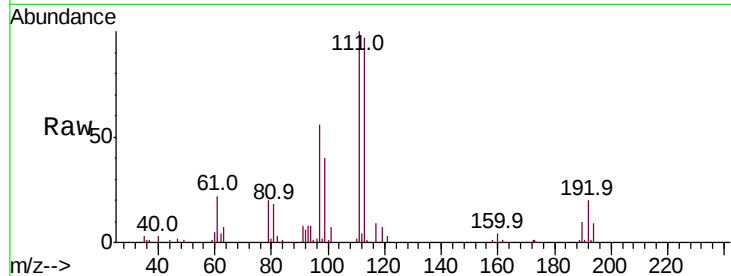




#35
 Dibromofluoromethane
 Concen: 47.410 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

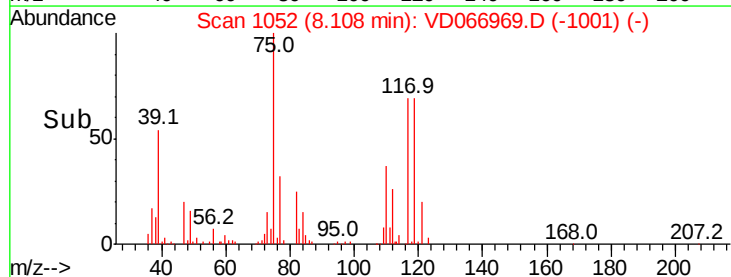
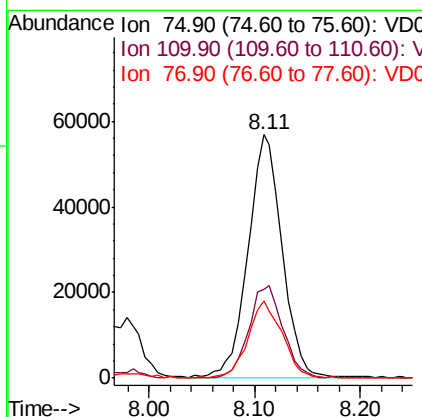
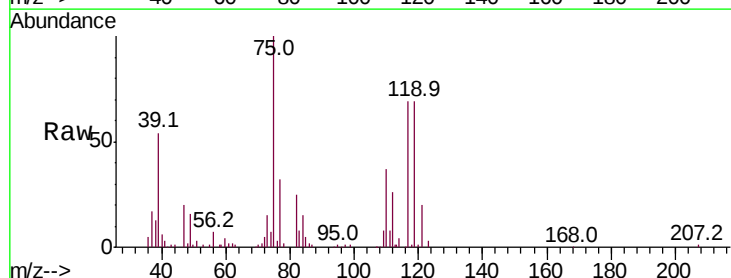
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

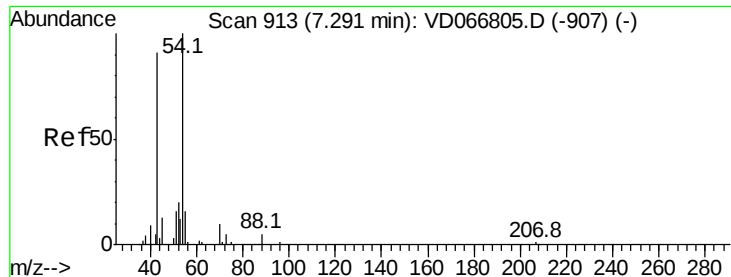
Tot Ion:113 Resp: 193388
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 19.3 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 19.931 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion: 75 Resp: 126779
 Ion Ratio Lower Upper
 75 100
 110 38.6 17.9 53.8
 77 31.9 25.0 37.6





#37

Ethyl Acetate

Concen: 20.242 ug/l

RT: 7.29 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

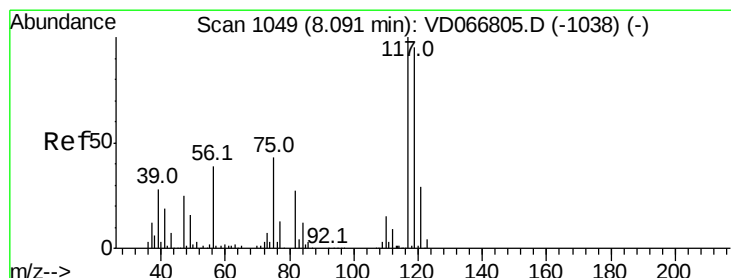
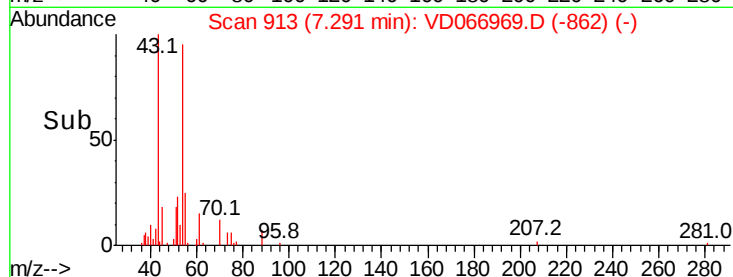
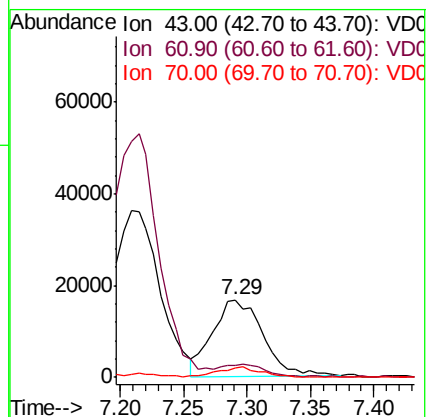
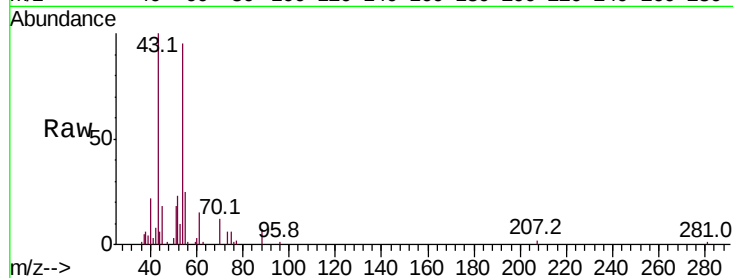
Tot Ion: 43 Resp: 46547

Ion Ratio Lower Upper

43 100

61 14.2 9.8 14.8

70 11.4 8.5 12.7



#38

Carbon Tetrachloride

Concen: 20.422 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

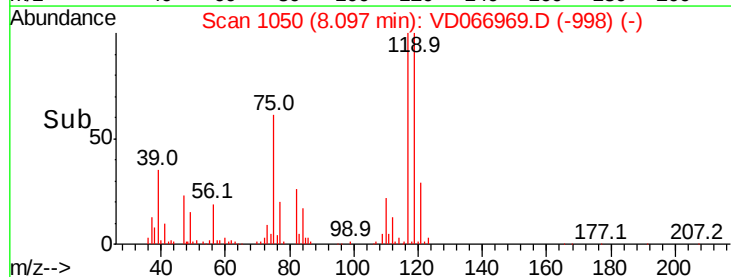
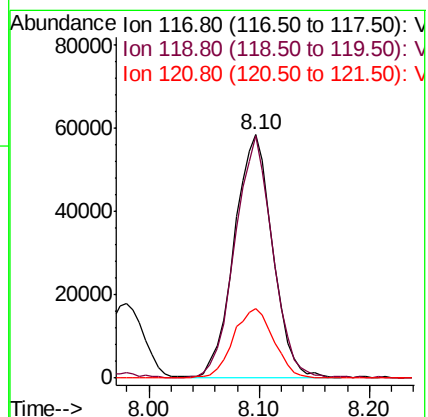
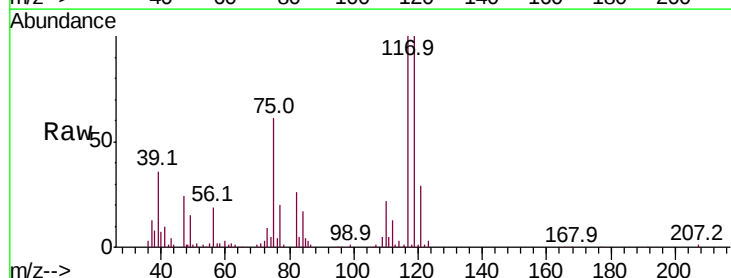
Tgt Ion: 117 Resp: 142018

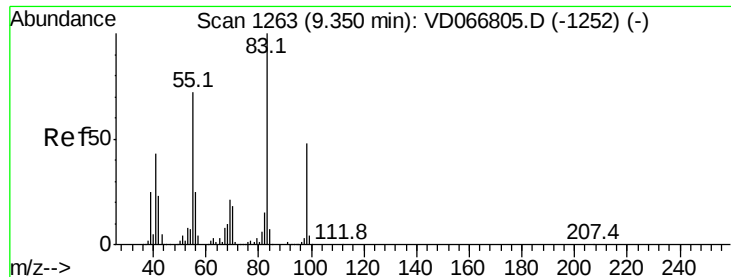
Ion Ratio Lower Upper

117 100

119 99.4 75.8 113.8

121 28.8 23.4 35.0

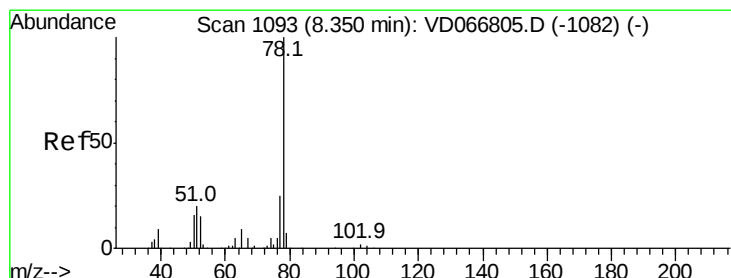
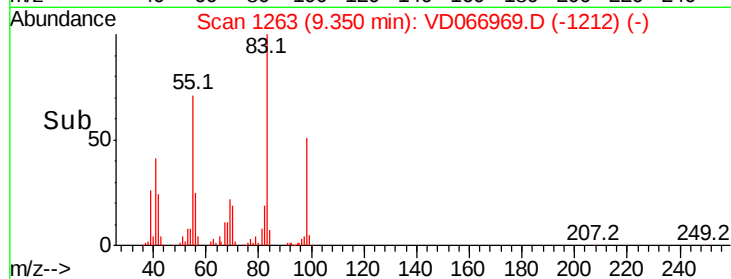
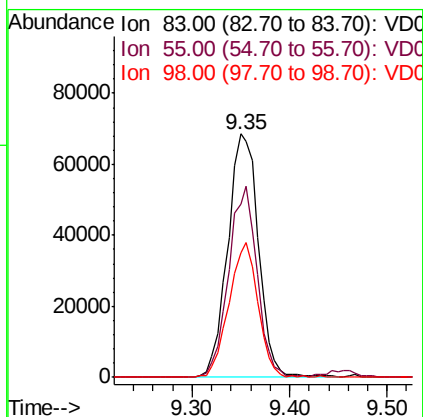
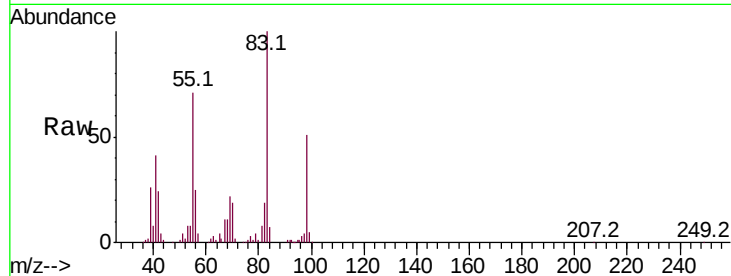




#39
Methylvlcvclohexane
Concen: 20.536 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

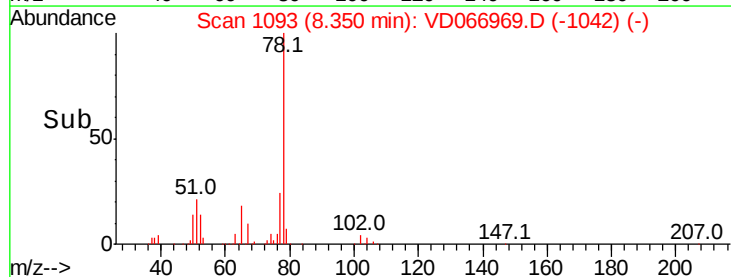
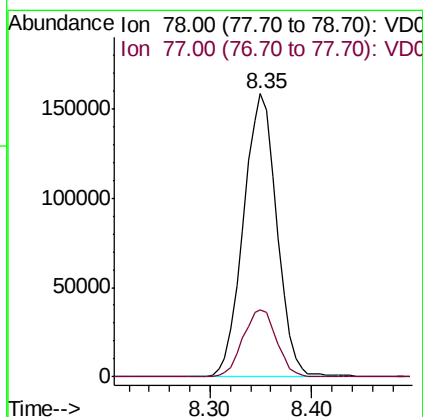
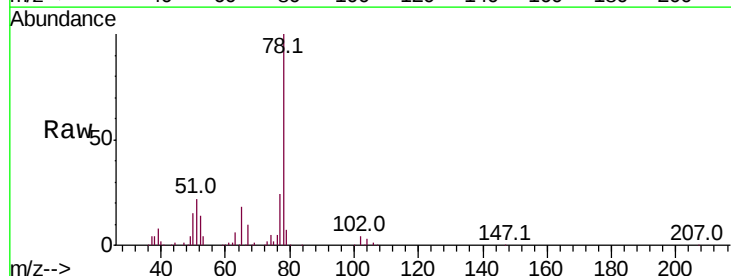
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

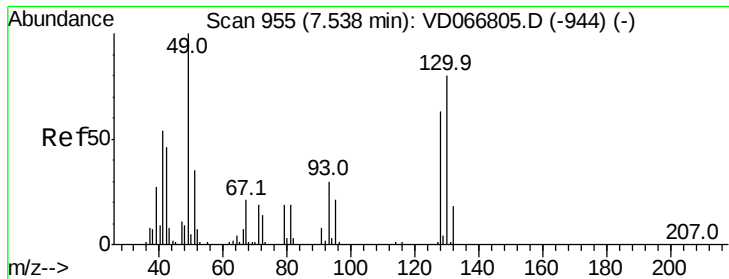
Tot Ion: 83 Resp: 149981
Ion Ratio Lower Upper
83 100
55 71.1 57.7 86.5
98 50.9 38.4 57.6



#40
Benzene
Concen: 20.463 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 78 Resp: 362750
Ion Ratio Lower Upper
78 100
77 23.9 19.9 29.9

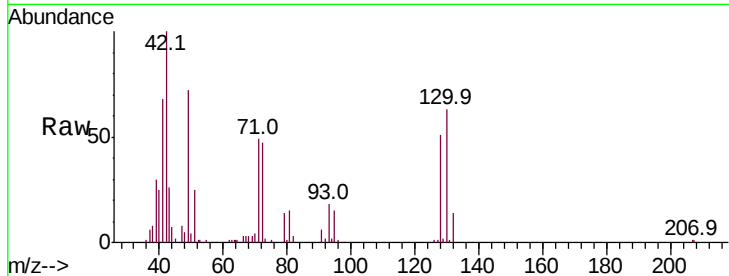




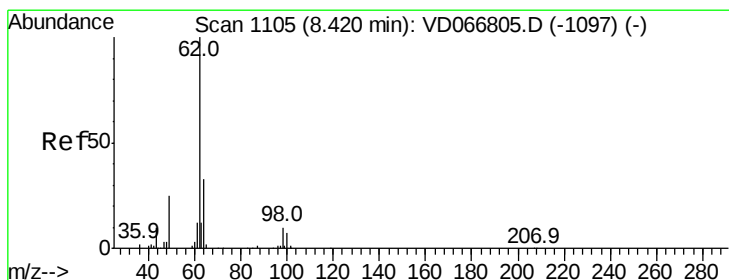
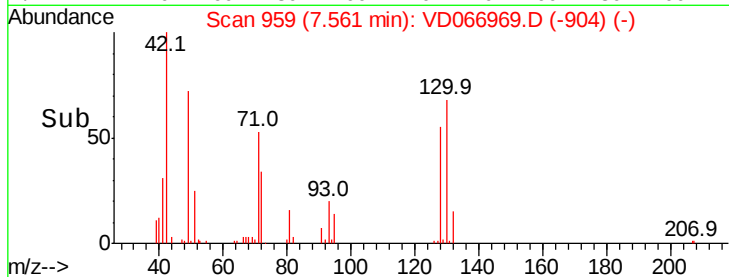
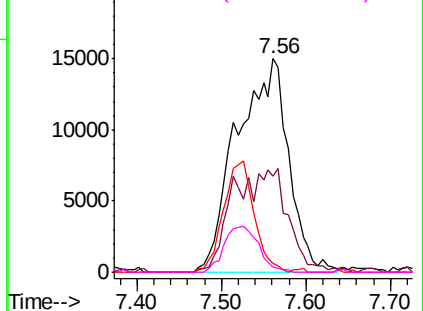
#41
Methacrylonitrile
Concen: 44.895 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion:	41	Resp:	63486
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

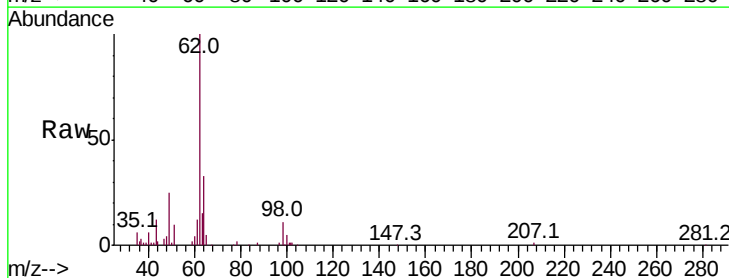


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

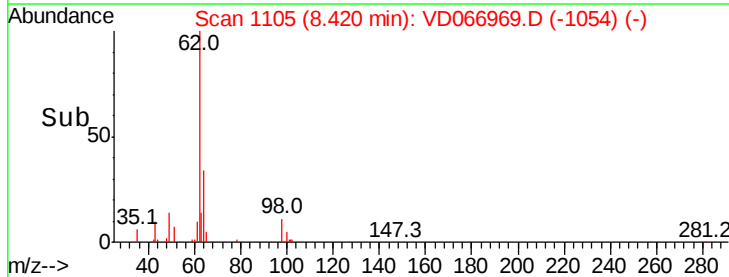
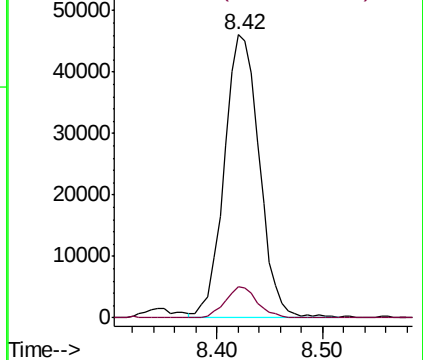


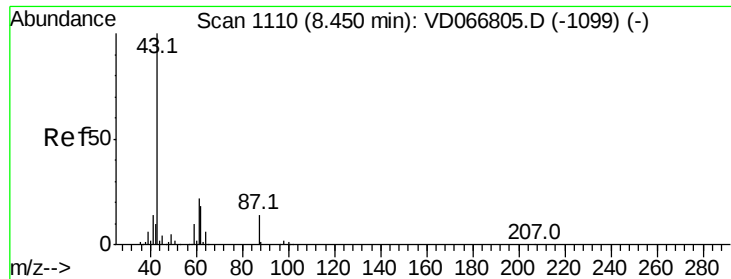
#42
1,2-Dichloroethane
Concen: 20.019 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:	62	Resp:	104915
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.382 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

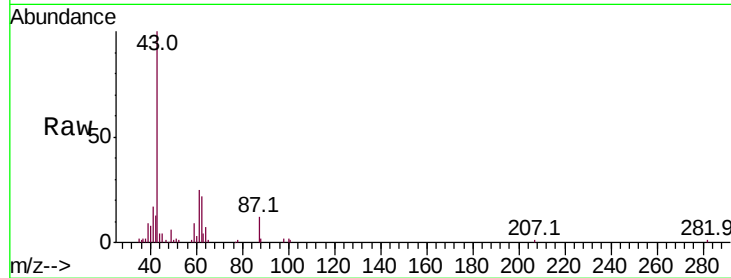
Tot Ion: 43 Resp: 85928

Ion Ratio Lower Upper

43 100

61 34.5 26.2 39.4

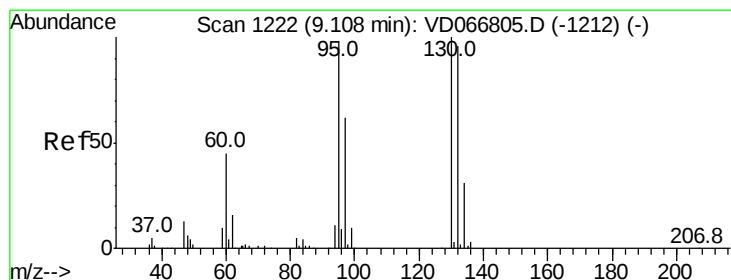
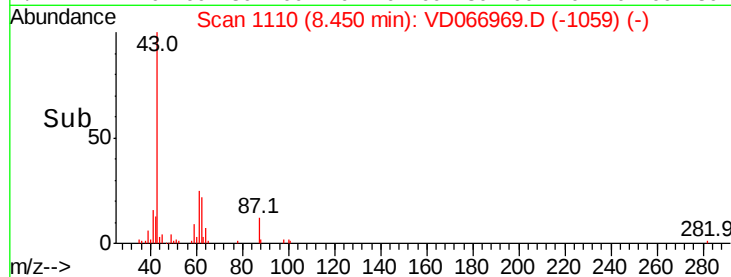
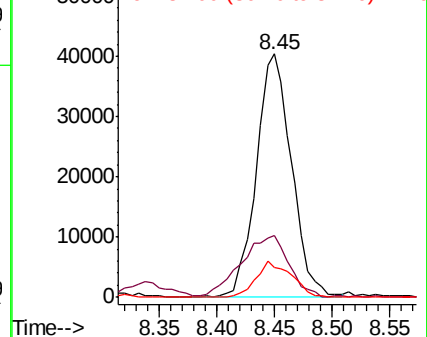
87 14.8 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.548 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066969.D

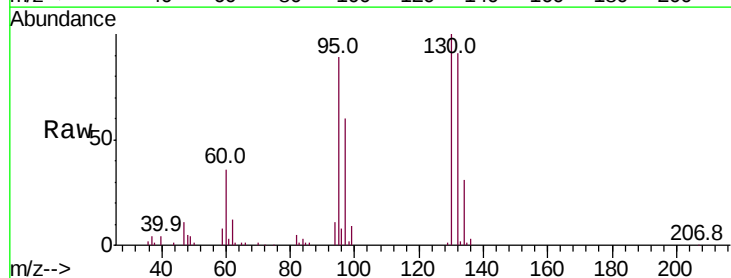
Acq: 30 Sep 2020 13:08

Tgt Ion:130 Resp: 108880

Ion Ratio Lower Upper

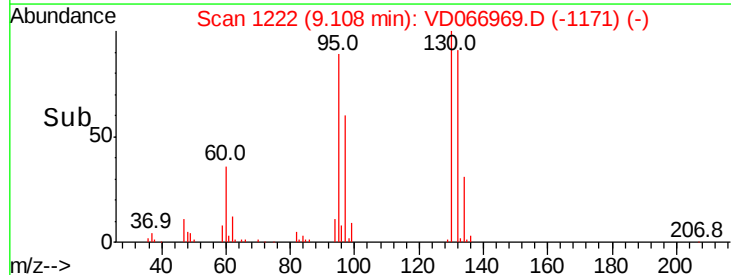
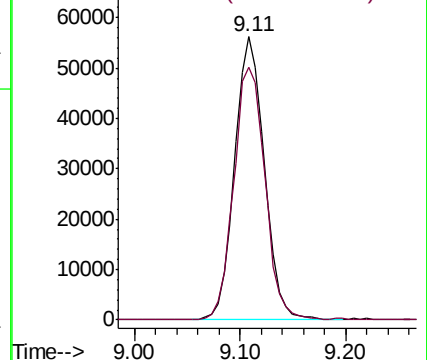
130 100

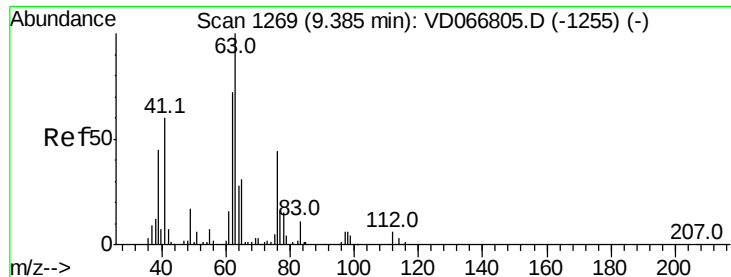
95 89.2 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.488 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

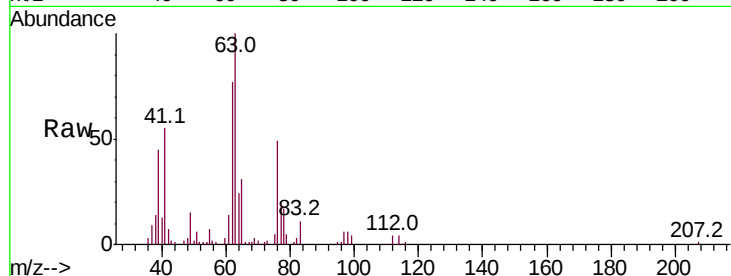
VD0930SBSD01

Tot Ion: 63 Resp: 91382

Ion Ratio Lower Upper

63 100

65 31.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

50000

40000

30000

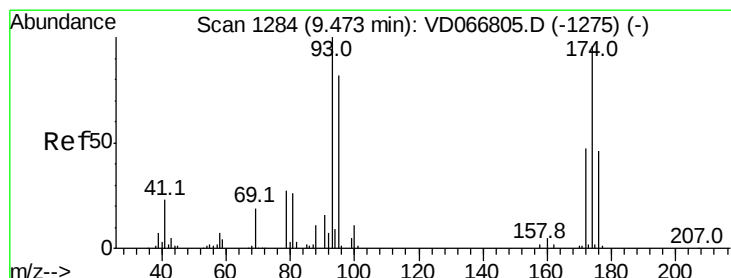
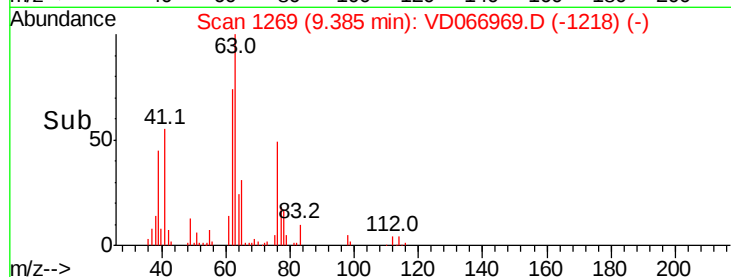
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.594 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

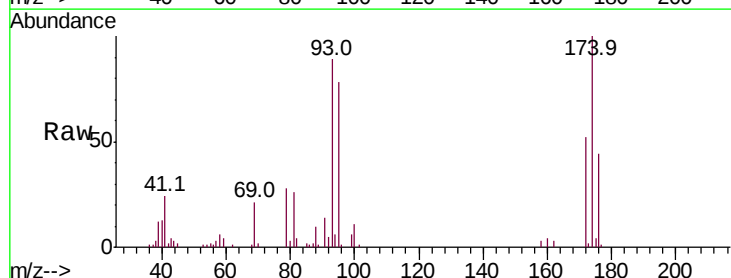
Tgt Ion: 93 Resp: 49908

Ion Ratio Lower Upper

93 100

95 85.4 65.3 97.9

174 101.8 75.4 113.2



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

30000

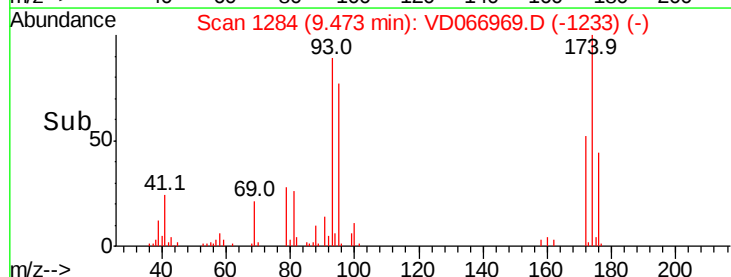
20000

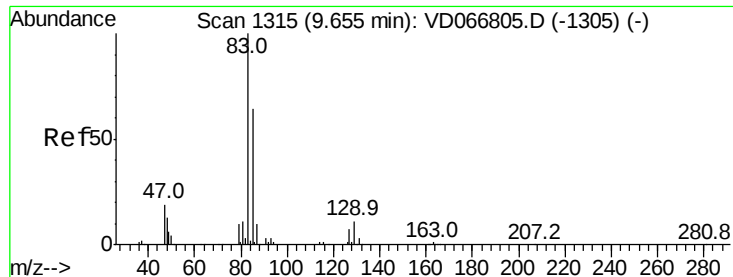
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.436 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

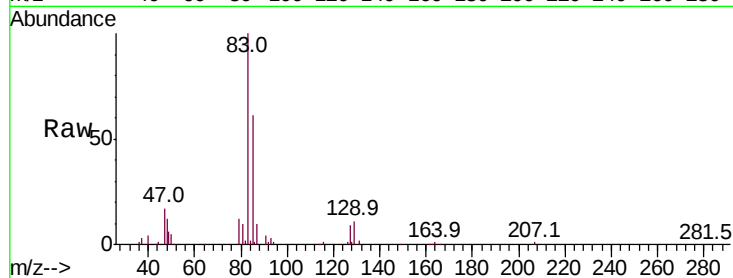
Tot Ion: 83 Resp: 133038

Ion Ratio Lower Upper

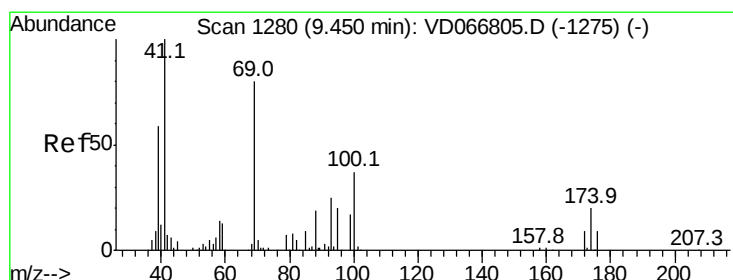
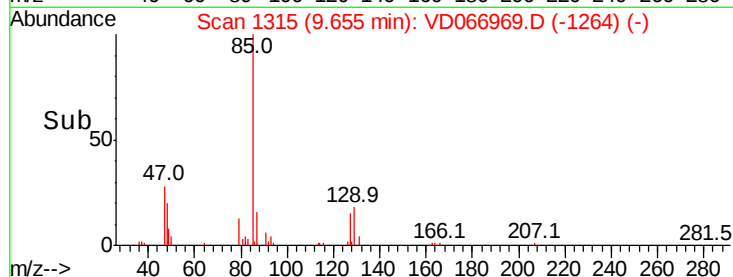
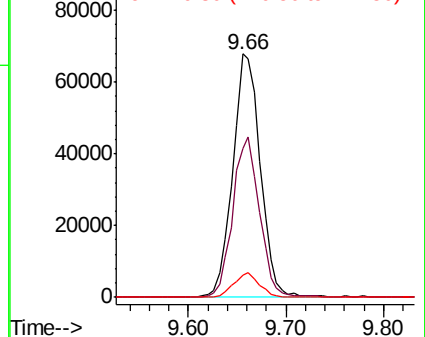
83 100

85 60.9 50.9 76.3

127 9.0 5.9 8.9#



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): VDC



#48

Methyl methacrylate

Concen: 20.720 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

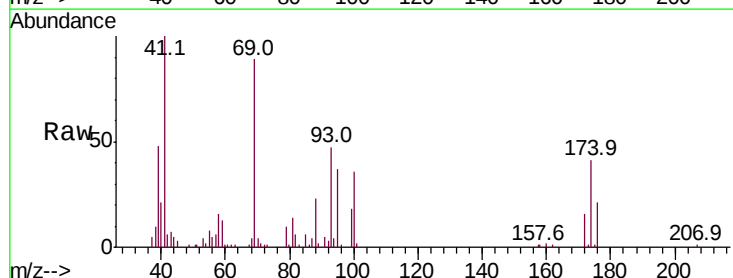
Tgt Ion: 41 Resp: 45289

Ion Ratio Lower Upper

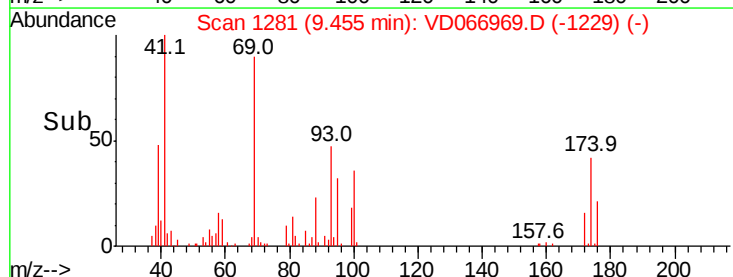
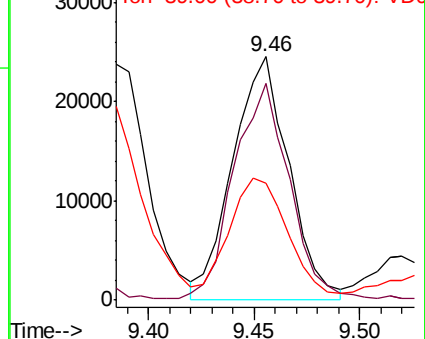
41 100

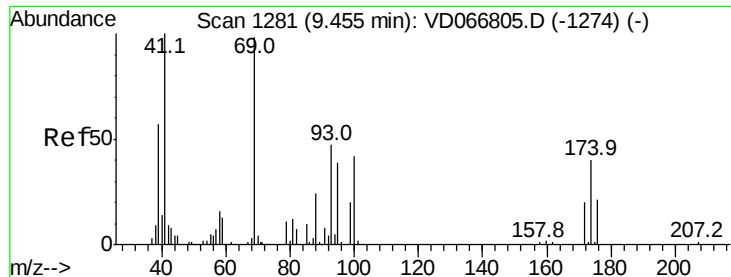
69 89.2 74.5 111.7

39 47.1 47.0 70.6



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: 394.037 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

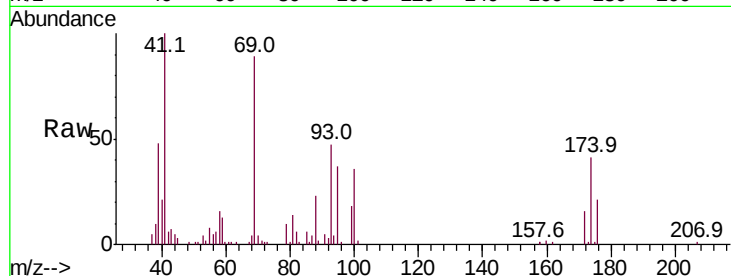
Tot Ion: 88 Resp: 12557

Ion Ratio Lower Upper

88 100

43 30.4 27.7 41.5

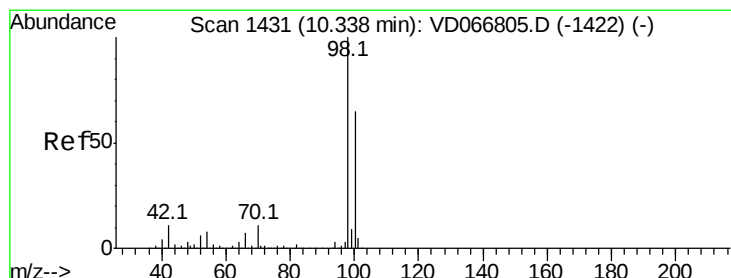
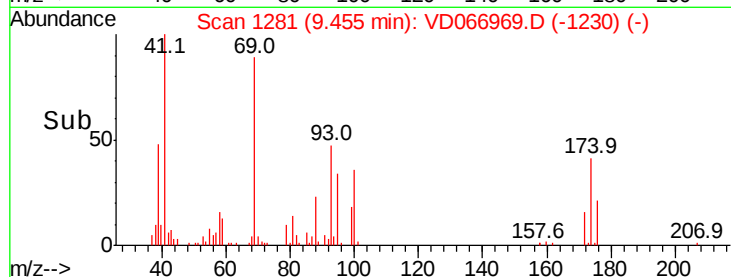
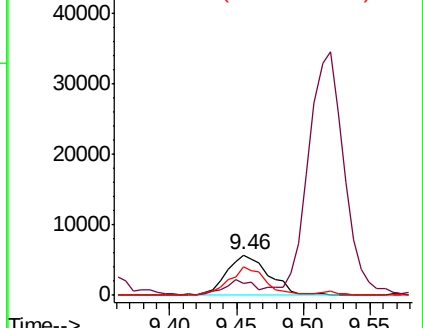
58 60.5 55.5 83.3



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: 49.278 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066969.D

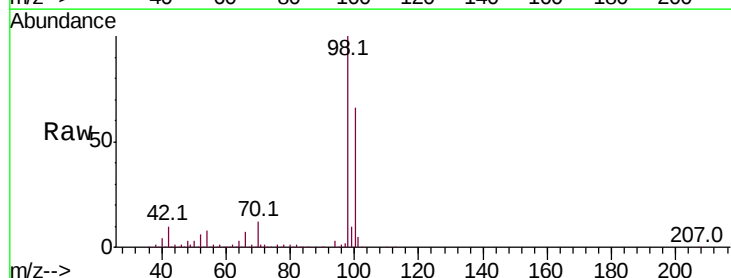
Acq: 30 Sep 2020 13:08

Tgt Ion: 98 Resp: 684865

Ion Ratio Lower Upper

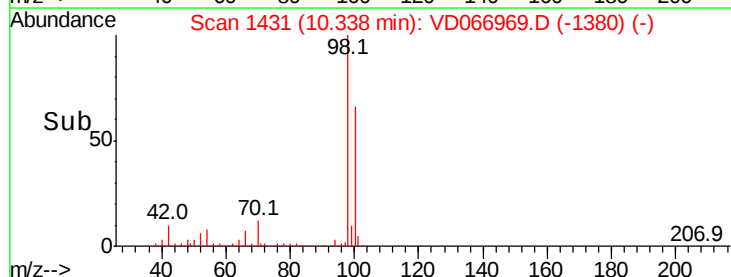
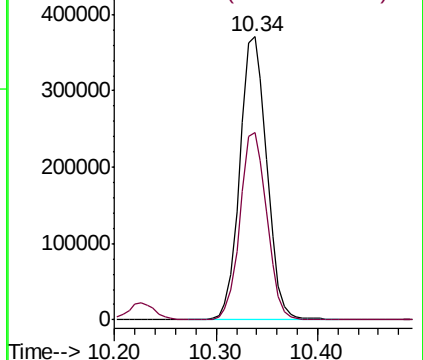
98 100

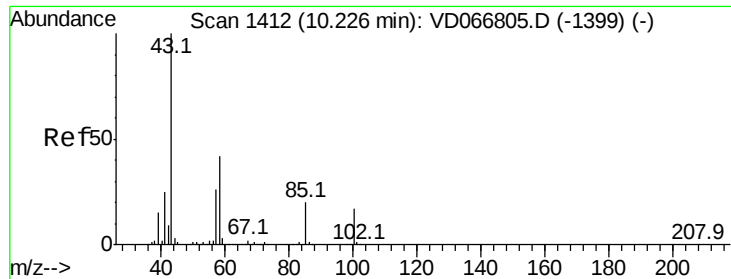
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.582 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleID :

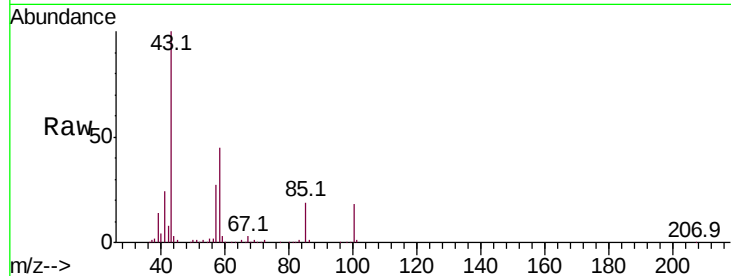
VD0930SBS01

Tot Ion: 43 Resp: 221451

Ion Ratio Lower Upper

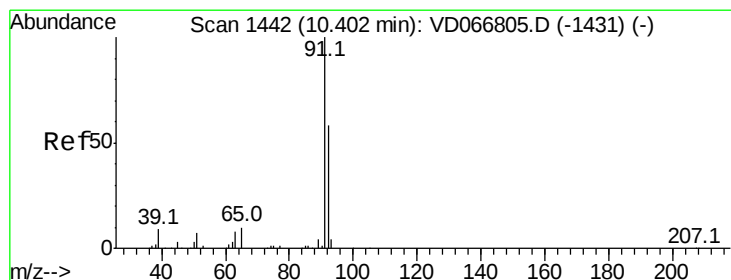
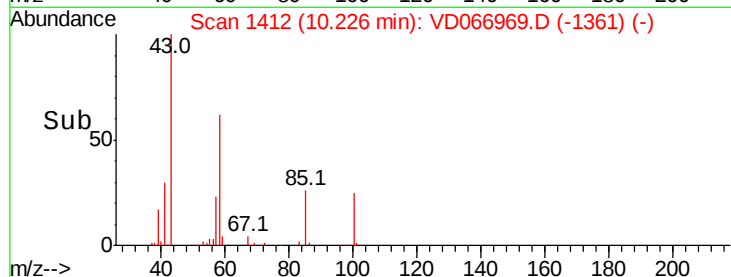
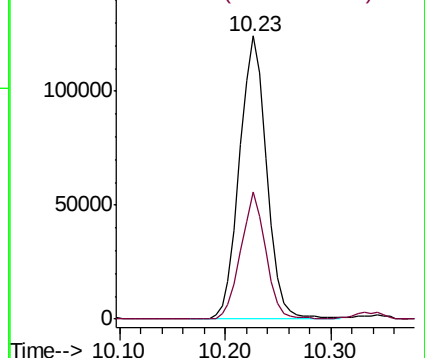
43 100

58 41.3 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.089 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066969.D

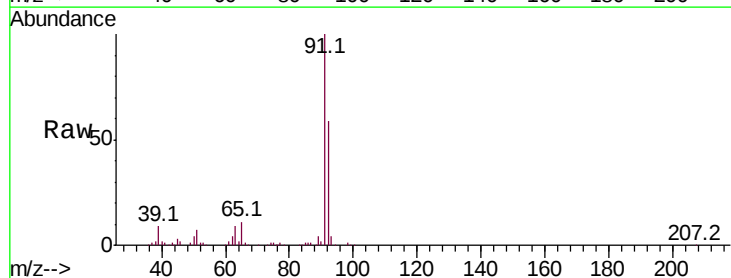
Acq: 30 Sep 2020 13:08

Tgt Ion: 92 Resp: 240807

Ion Ratio Lower Upper

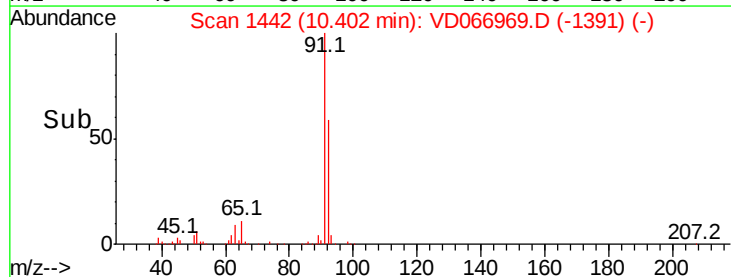
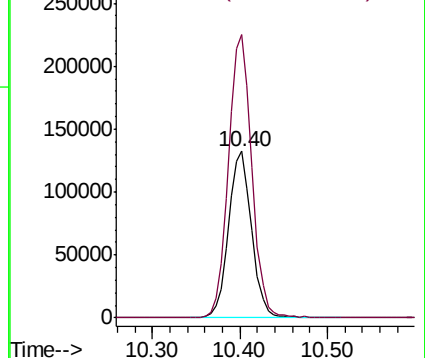
92 100

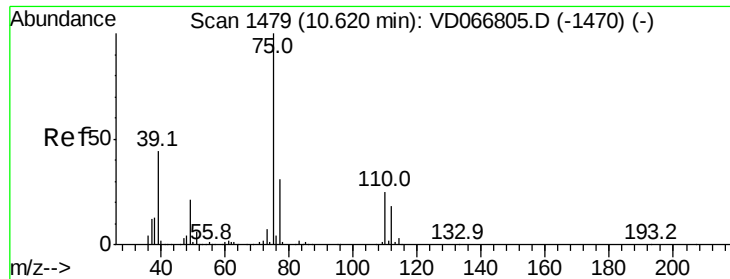
91 171.7 134.6 202.0



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: 20.889 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

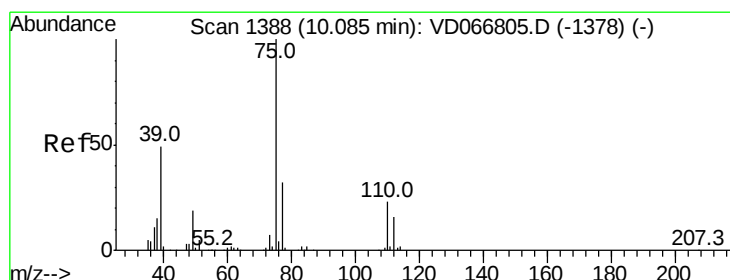
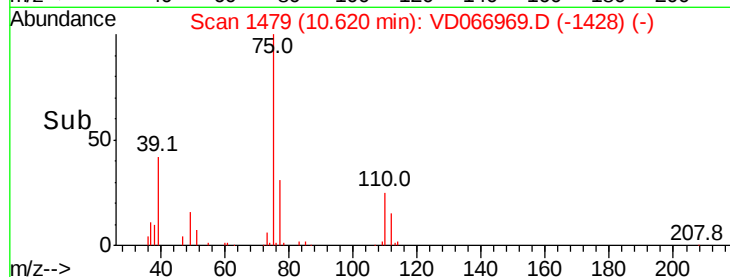
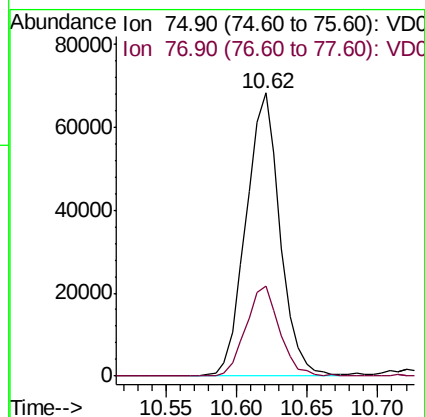
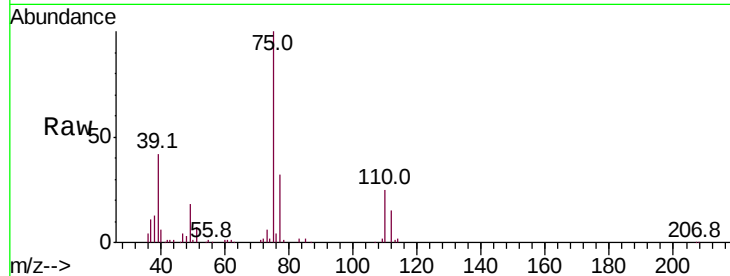
VD0930SBS01

Tot Ion: 75 Resp: 115741

Ion Ratio Lower Upper

75 100

77 31.7 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.807 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

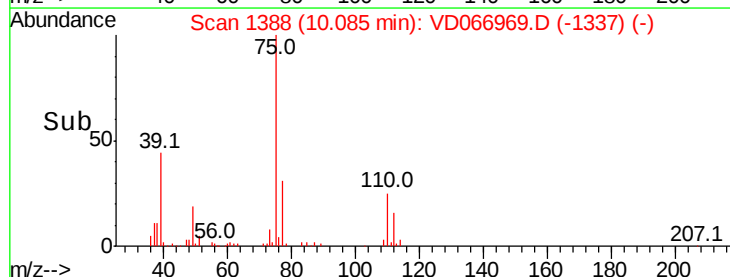
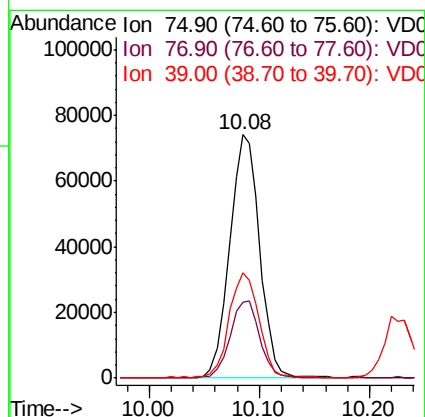
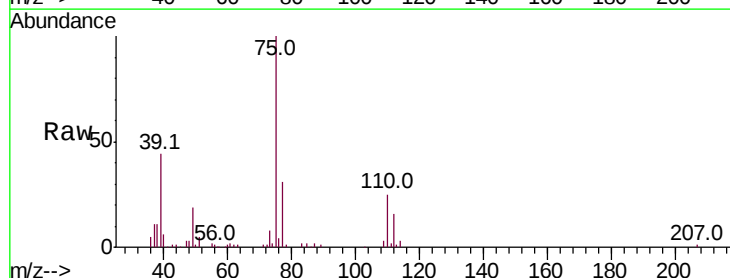
Tgt Ion: 75 Resp: 140576

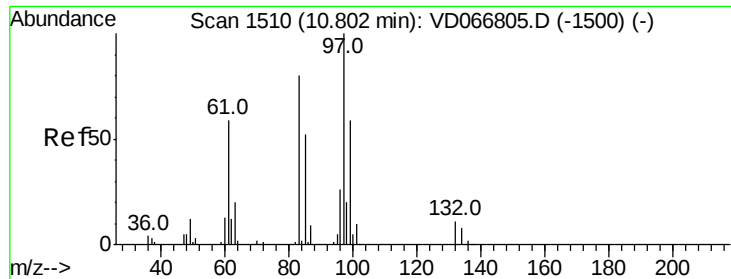
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 43.1 39.2 58.8

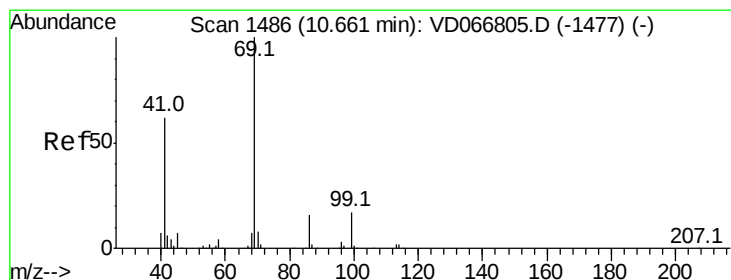
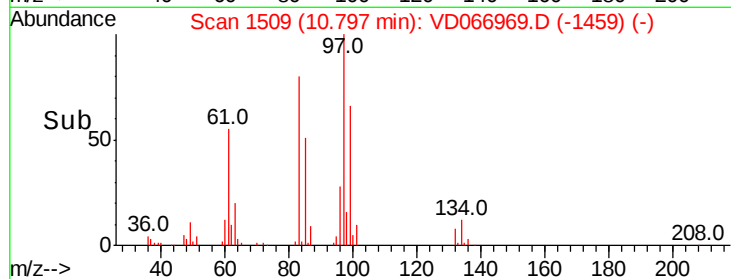
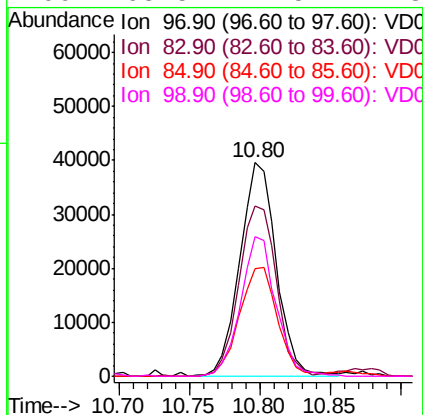
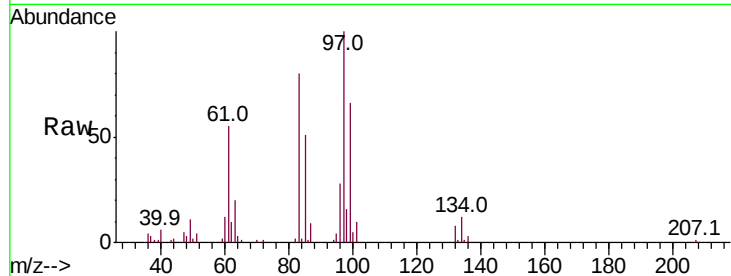




#55
 1,1,2-Trichloroethane
 Concen: 21.586 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

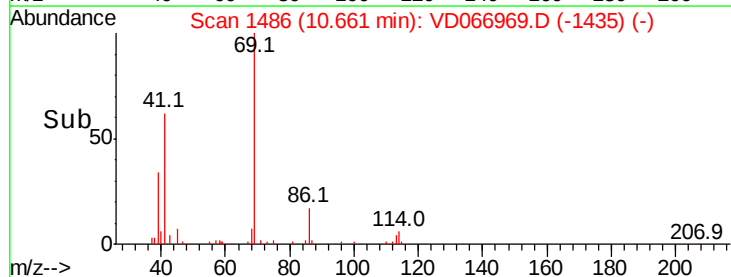
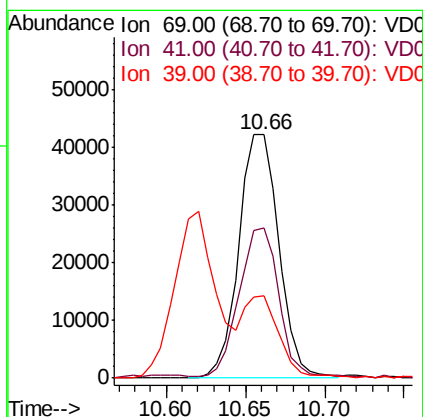
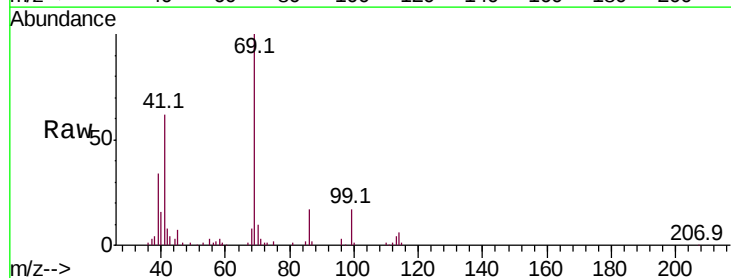
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

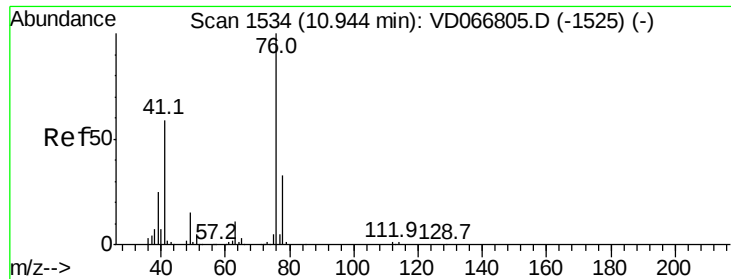
Tot Ion:	97	Resp:	71912
Ion	Ratio	Lower	Upper
97	100		
83	79.6	64.2	96.2
85	50.6	41.9	62.9
99	65.5	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 20.852 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion:	69	Resp:	74419
Ion	Ratio	Lower	Upper
69	100		
41	62.4	52.2	78.2
39	30.1	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.093 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

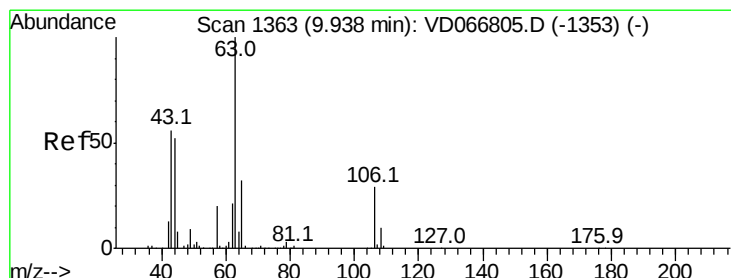
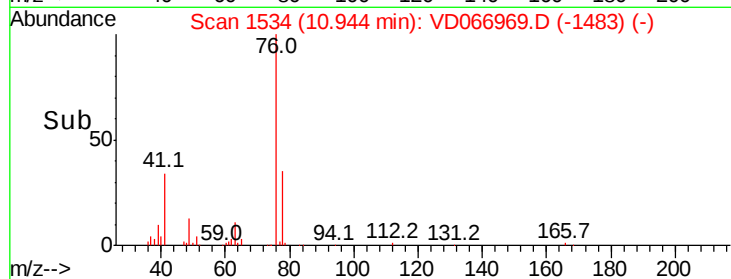
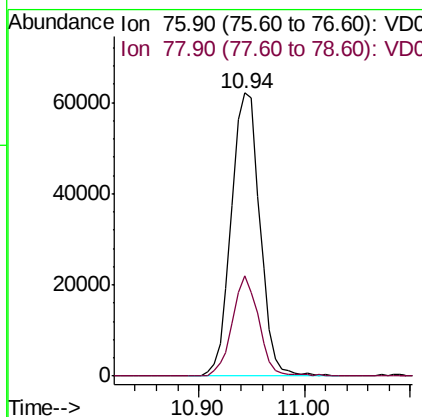
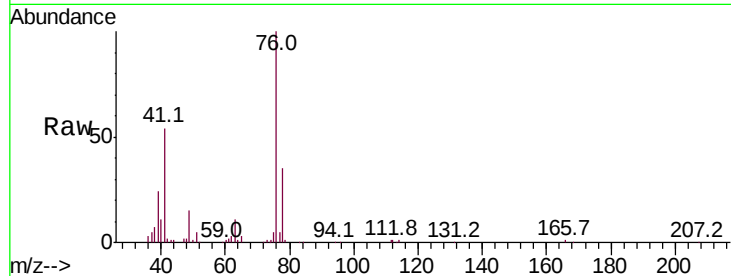
Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion: 76 Resp: 116034

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5



#58

2-Chloroethyl Vinyl ether

Concen: 122.066 ug/l

RT: 9.94 min Scan# 1363

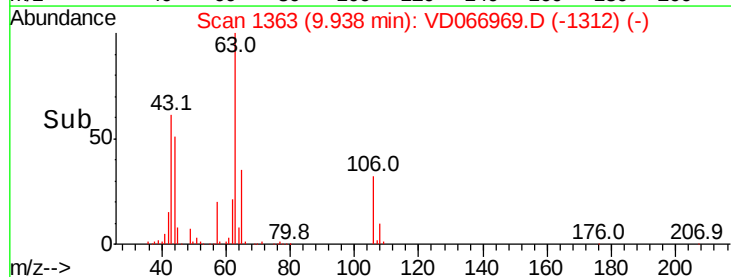
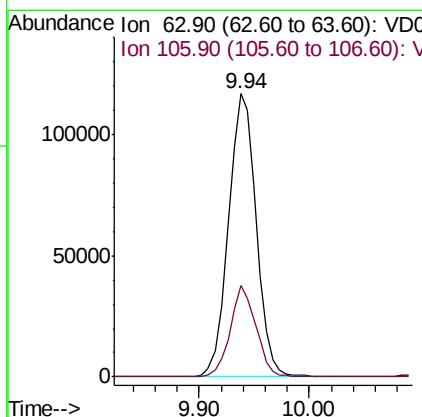
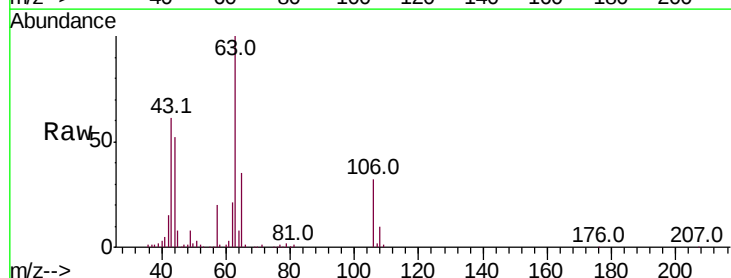
Delta R.T. -0.00 min

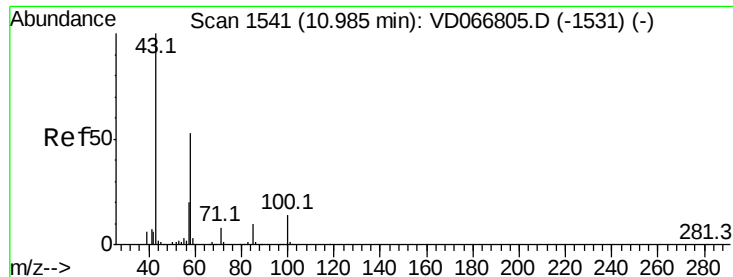
Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion: 63 Resp: 206274

Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.6

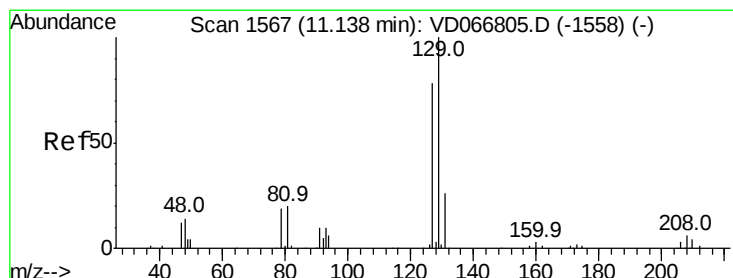
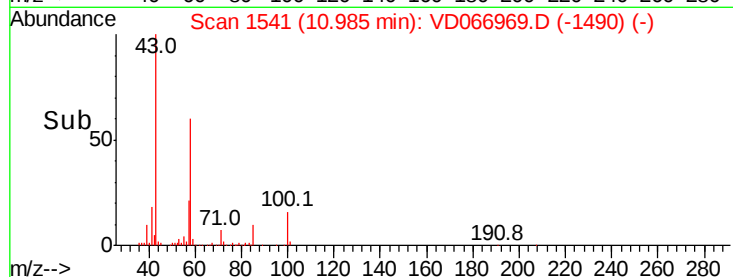
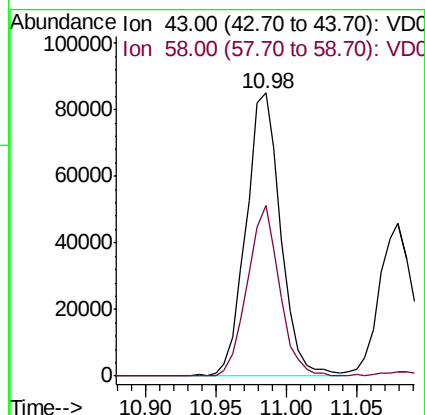
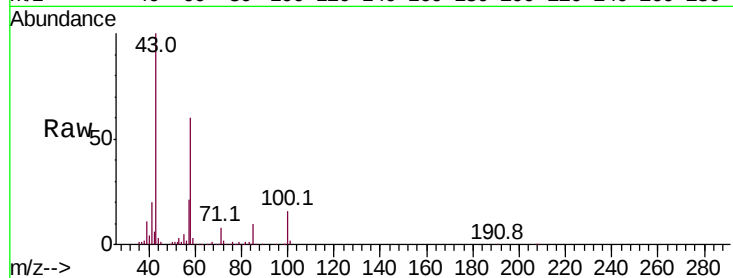




#59
2-Hexanone
Concen: 96.682 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

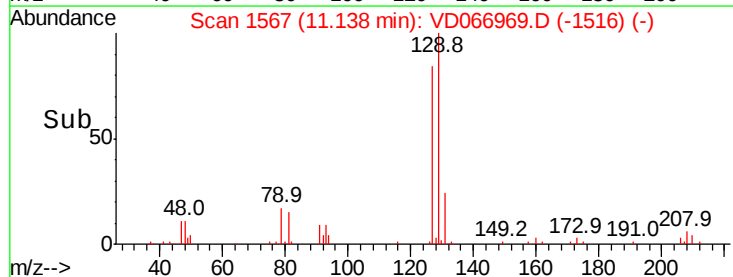
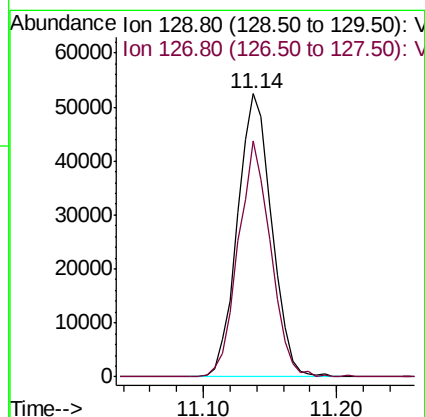
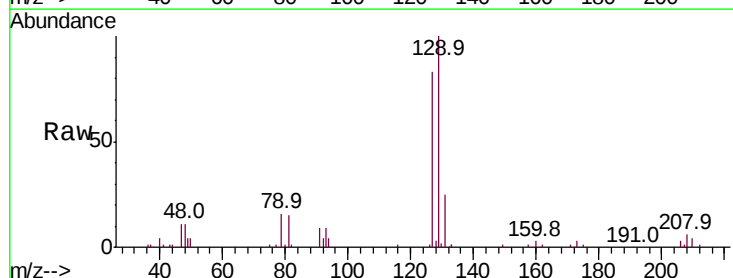
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

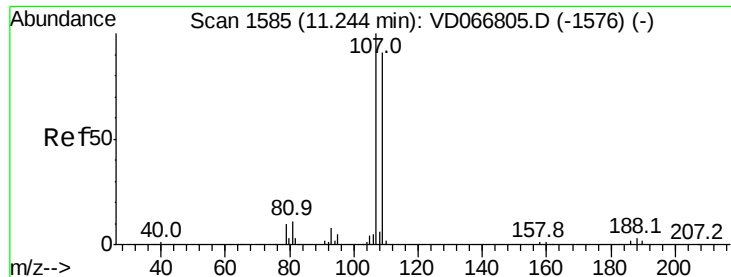
Tot Ion: 43 Resp: 146463
Ion Ratio Lower Upper
43 100
58 56.0 27.0 80.8



#60
Dibromochloromethane
Concen: 21.355 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 129 Resp: 92849
Ion Ratio Lower Upper
129 100
127 78.9 38.6 116.0

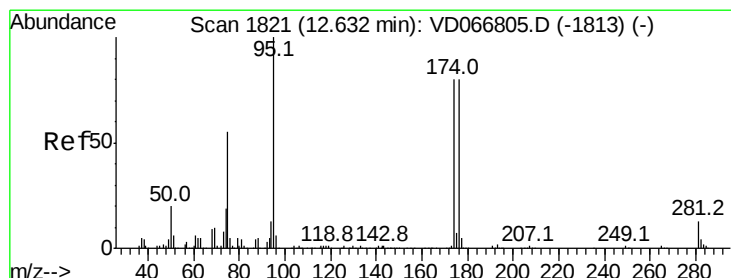
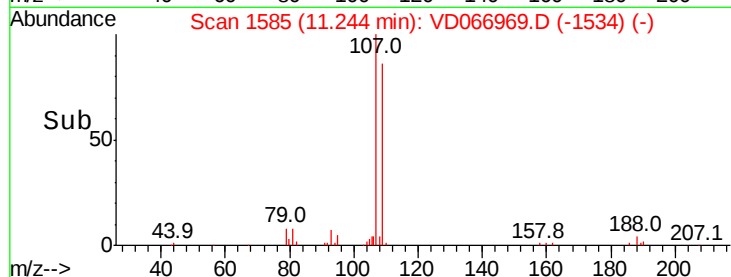
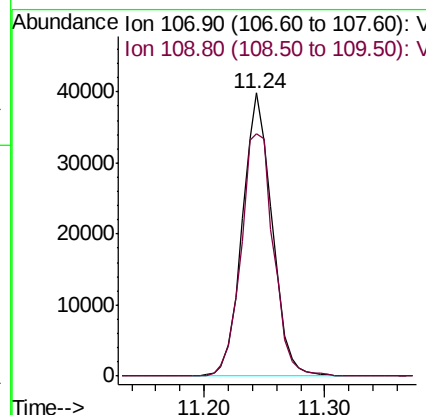
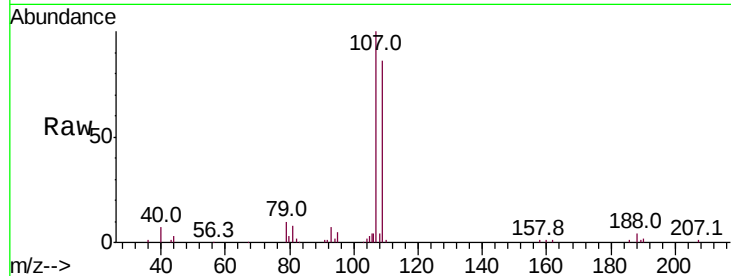




#61
 1,2-Dibromoethane
 Concen: 22.110 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

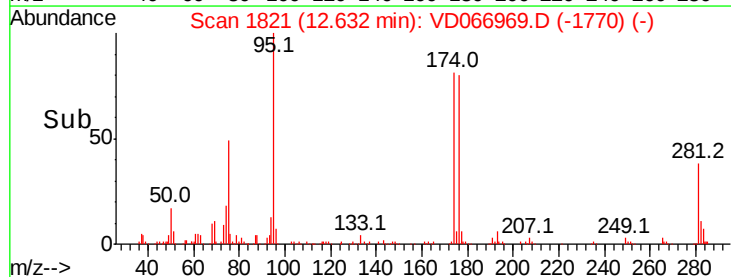
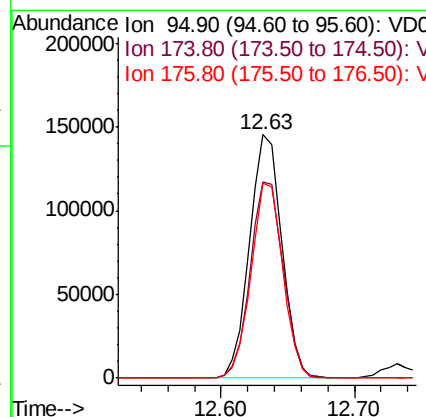
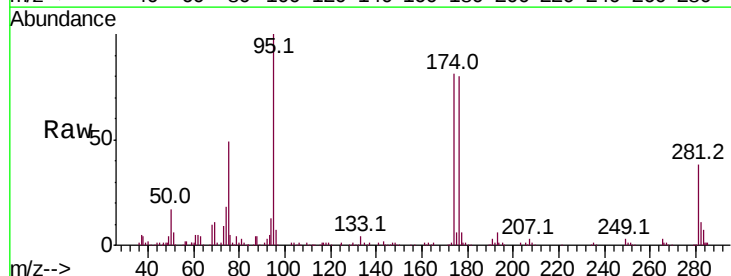
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

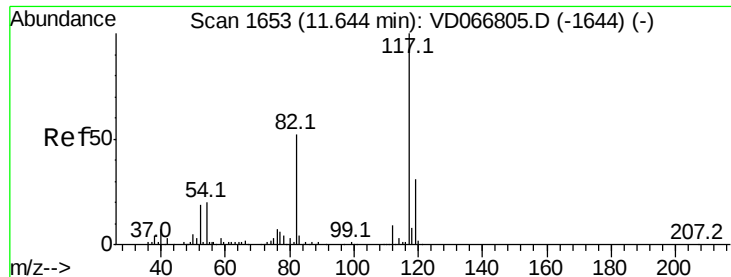
Tot Ion:107 Resp: 68510
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.870 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion: 95 Resp: 242027
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 159.8
 176 79.0 0.0 154.4

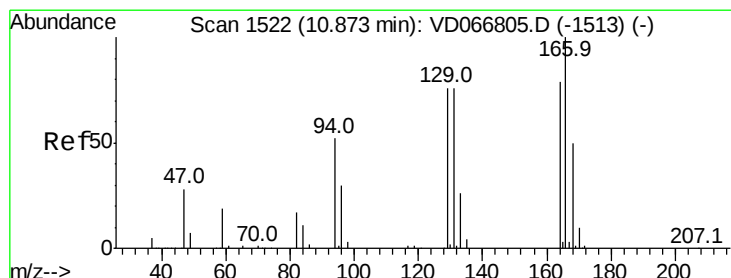
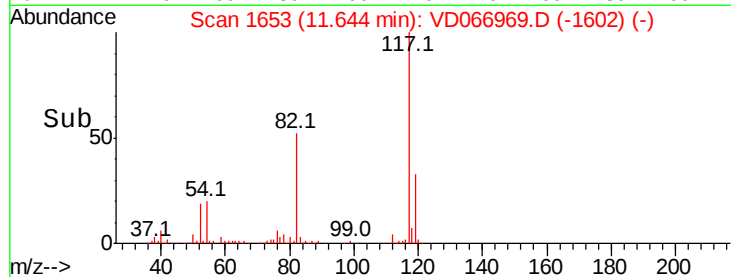
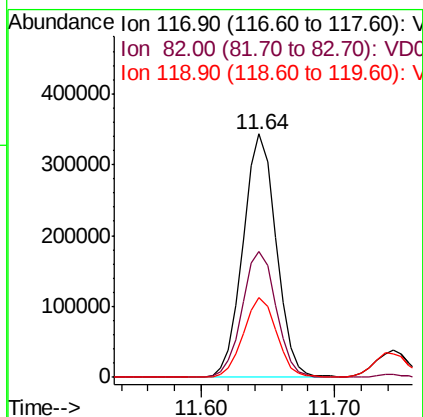
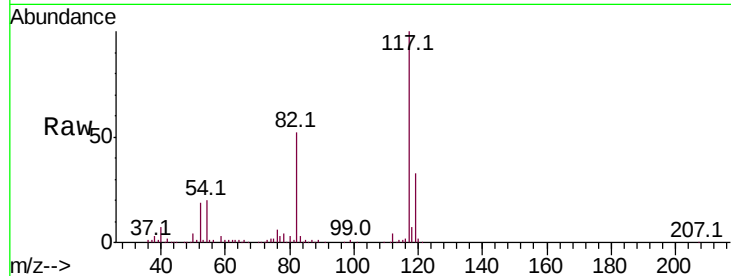




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

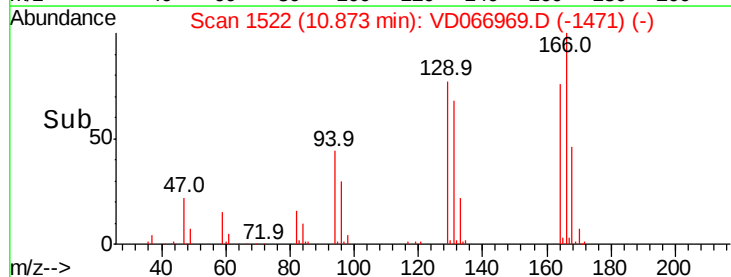
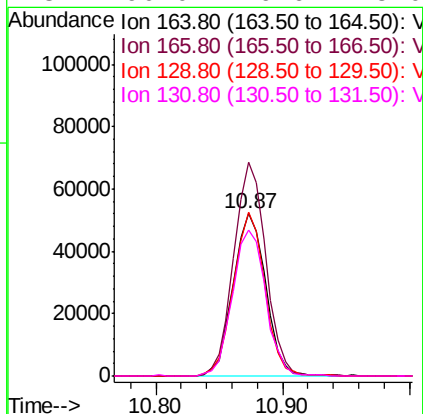
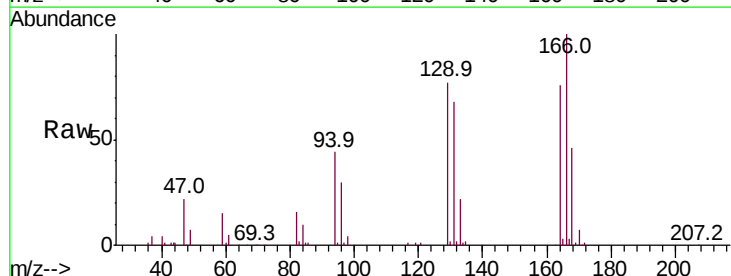
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

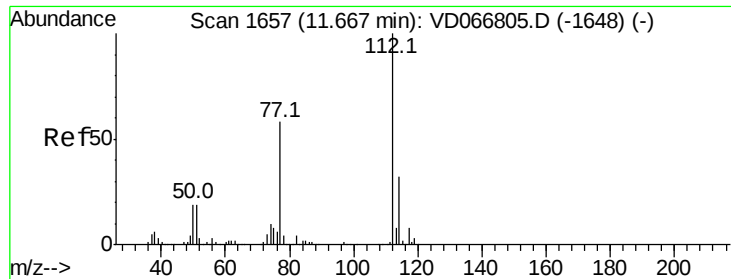
Tot Ion:117 Resp: 589032
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.6
119 32.5 24.6 37.0



#64
Tetrachloroethene
Concen: 21.952 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:164 Resp: 93010
Ion Ratio Lower Upper
164 100
166 131.5 101.1 151.7
129 101.2 77.0 115.4
131 90.0 76.6 115.0

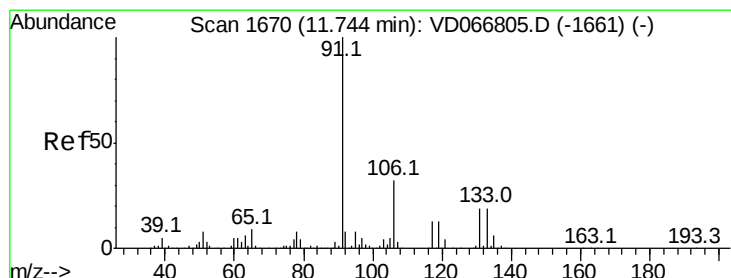
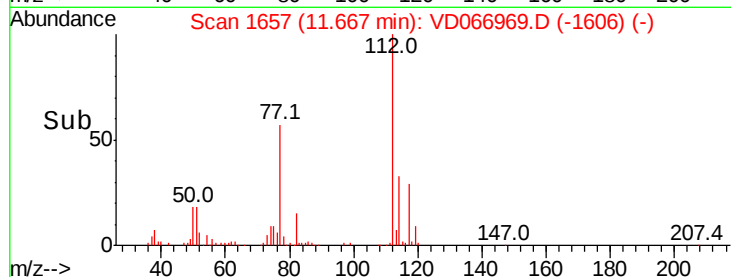
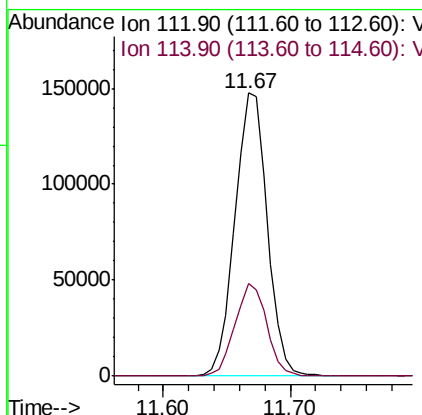
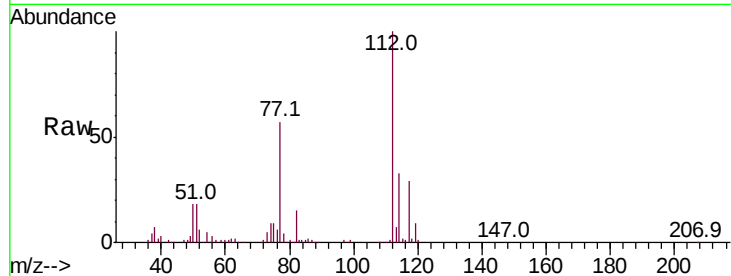




#65
Chlorobenzene
Concen: 21.298 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

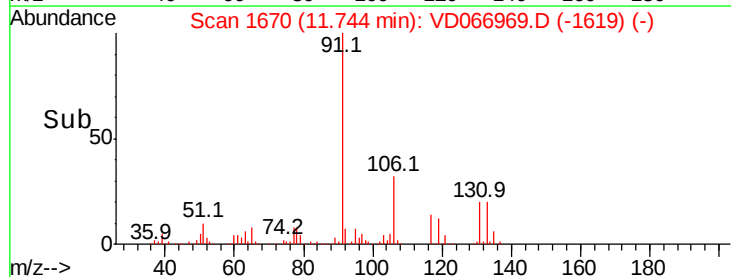
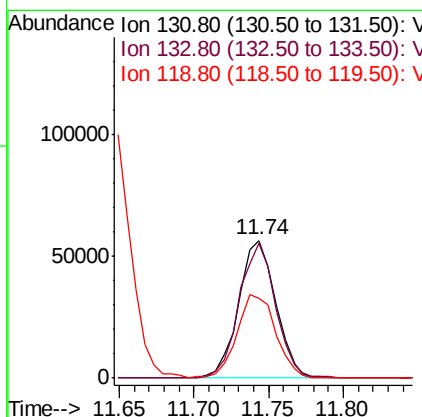
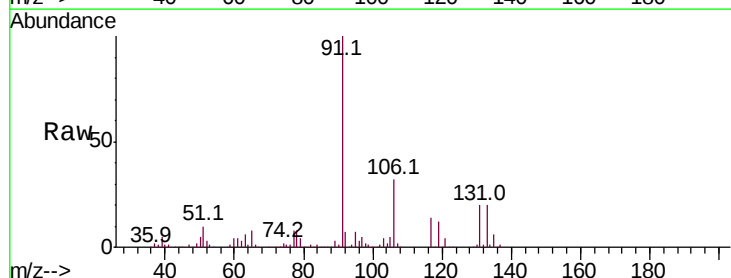
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

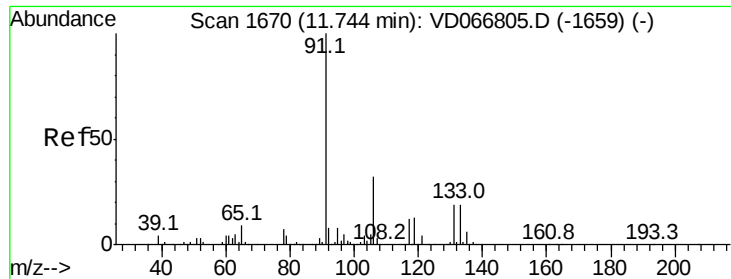
Tot Ion:112 Resp: 261137
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.033 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:131 Resp: 97603
Ion Ratio Lower Upper
131 100
133 96.1 46.7 140.1
119 63.1 32.3 96.9

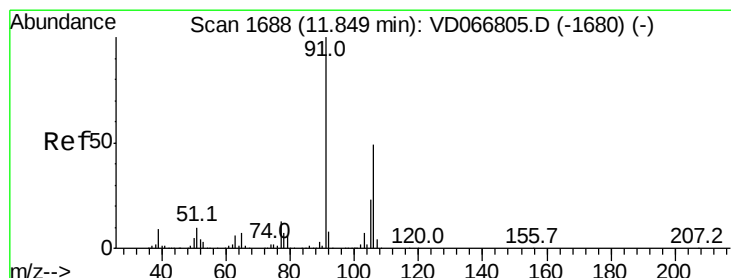
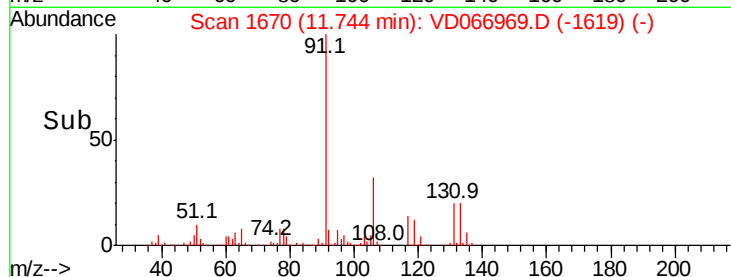
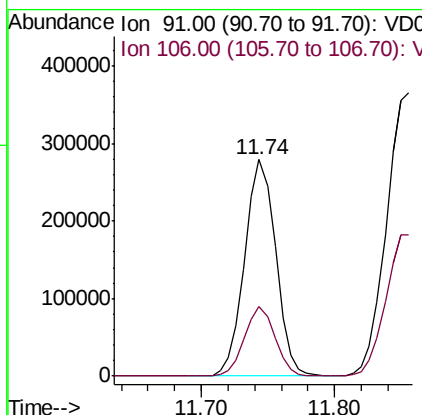
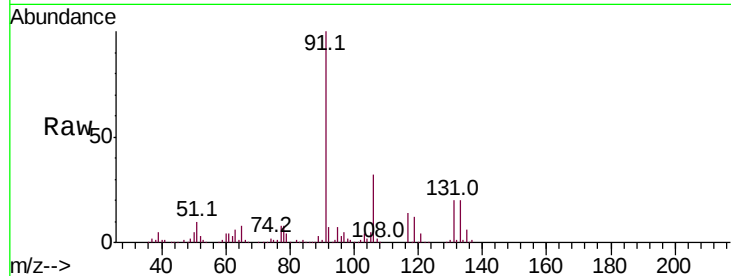




#67
Ethyl Benzene
Concen: 20.946 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

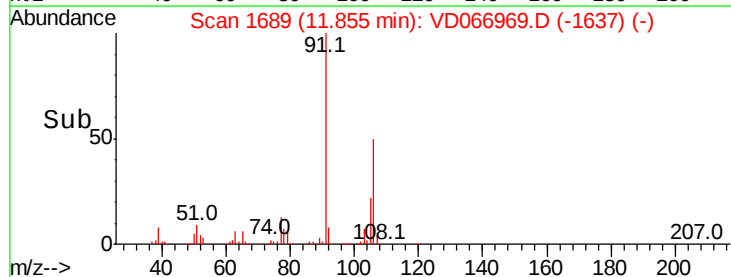
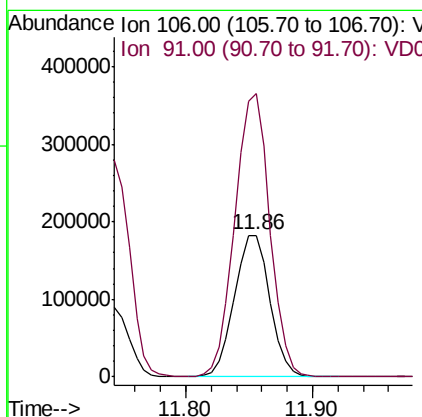
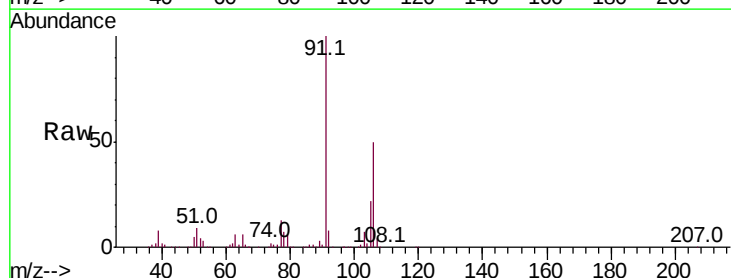
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

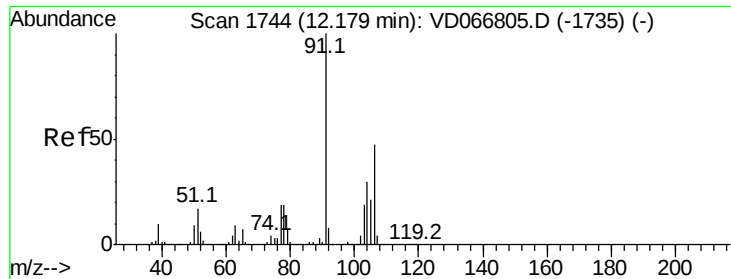
Tot Ion: 91 Resp: 451050
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 43.482 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 106 Resp: 354518
Ion Ratio Lower Upper
106 100
91 197.1 160.7 241.1

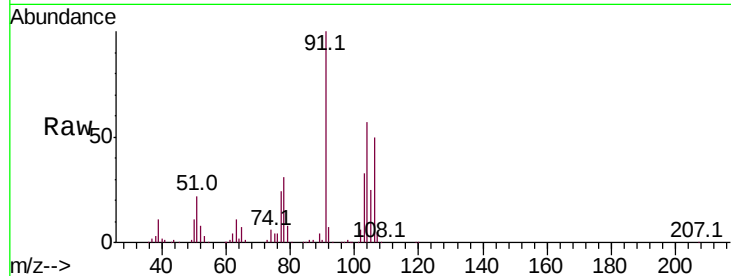




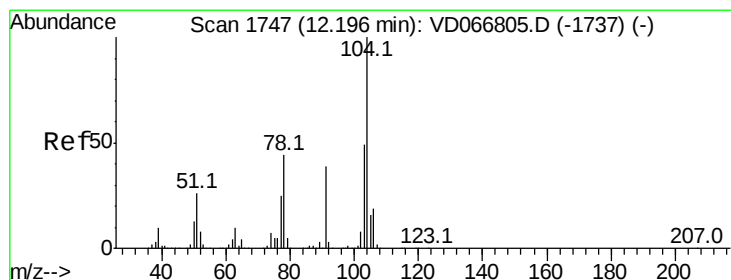
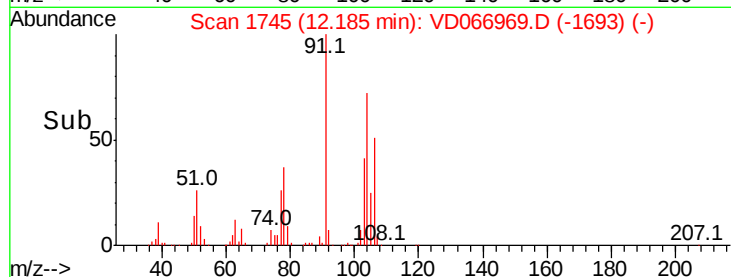
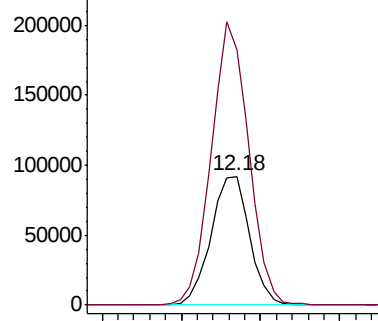
#69
o-Xylene
Concen: 21.136 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion:106 Resp: 155823
Ion Ratio Lower Upper
106 100
91 212.5 106.3 318.8

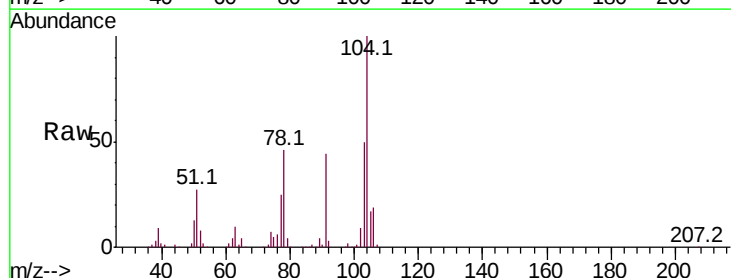


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

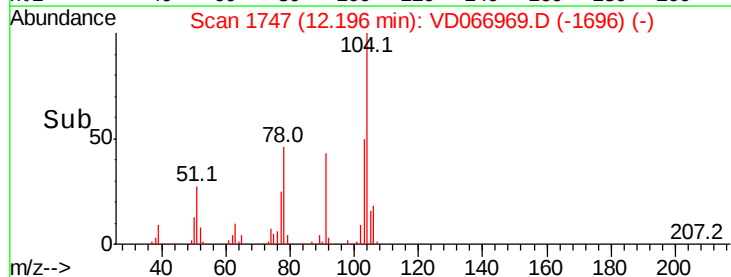
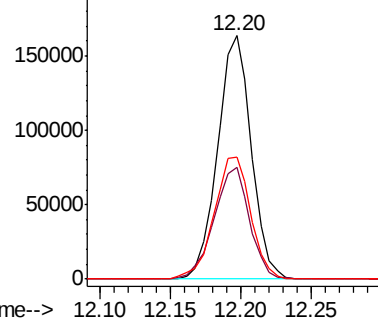


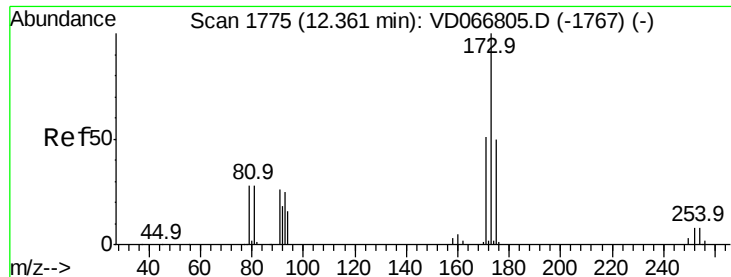
#70
Styrene
Concen: 21.408 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:104 Resp: 274088
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 54.5 43.2 64.8



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





#71

Bromoform

Concen: 22.777 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

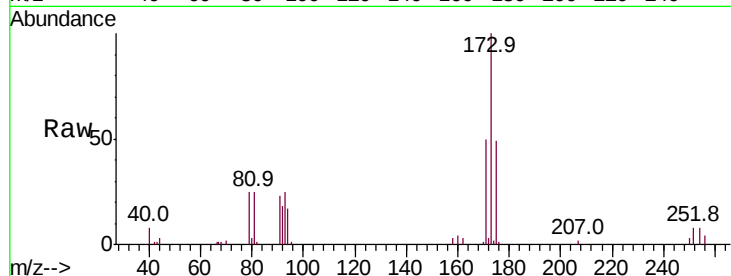
Tot Ion:173 Resp: 53517

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.6

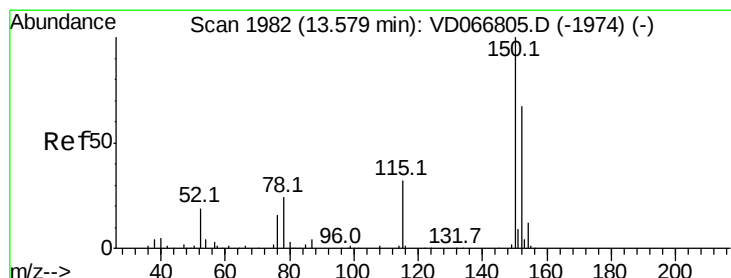
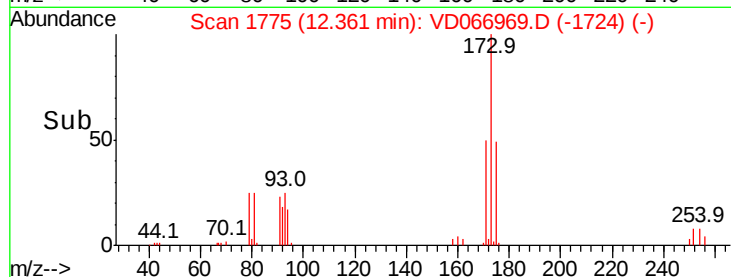
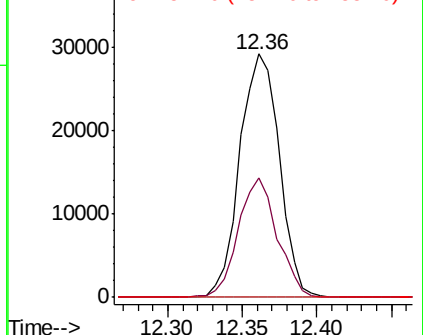
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

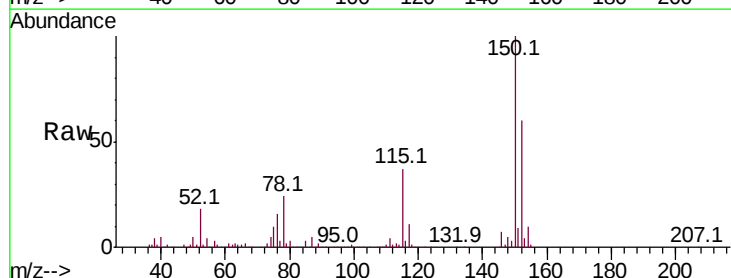
Tgt Ion:152 Resp: 288321

Ion Ratio Lower Upper

152 100

115 59.8 30.3 91.0

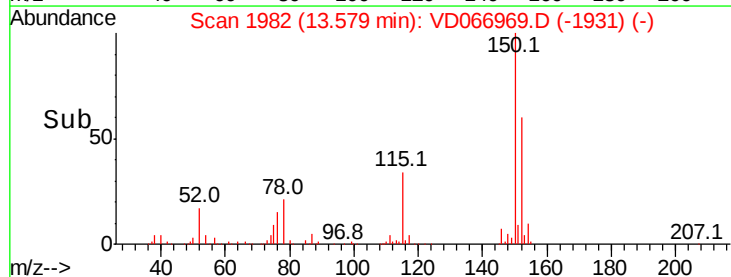
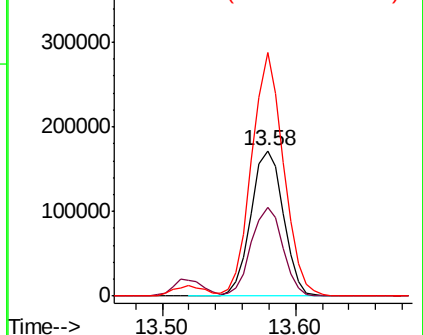
150 164.5 0.0 346.2

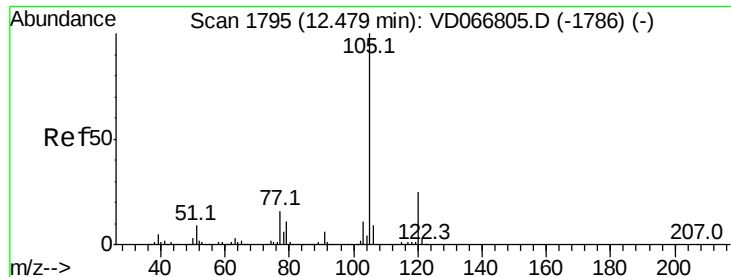


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.659 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

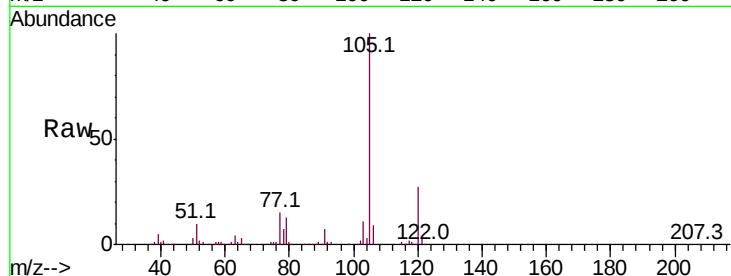
VD0930SBS01

Tot Ion:105 Resp: 430282

Ion Ratio Lower Upper

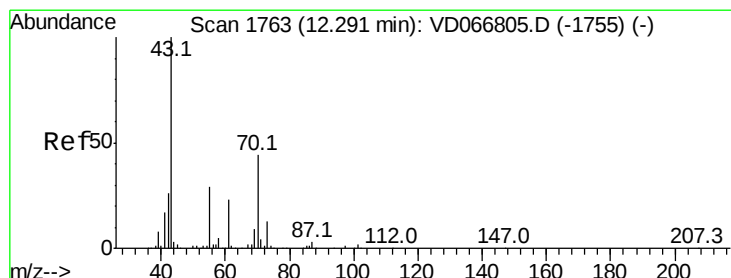
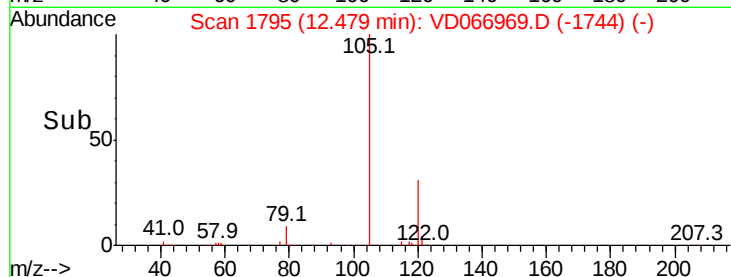
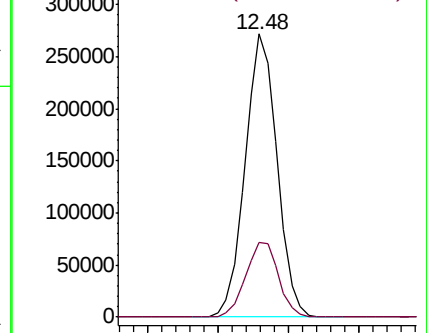
105 100

120 27.2 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.032 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion: 43 Resp: 77412

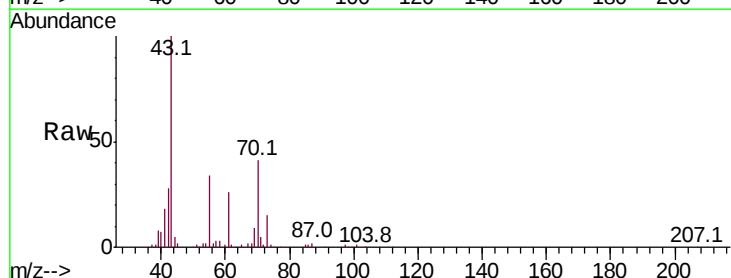
Ion Ratio Lower Upper

43 100

70 47.1 36.1 54.1

55 31.5 21.8 32.8

61 26.5 19.0 28.4

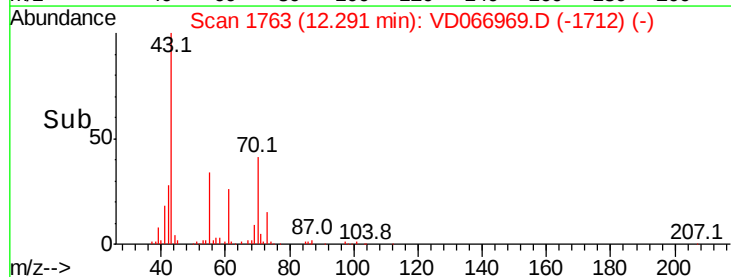
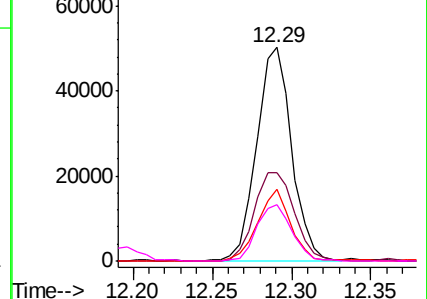


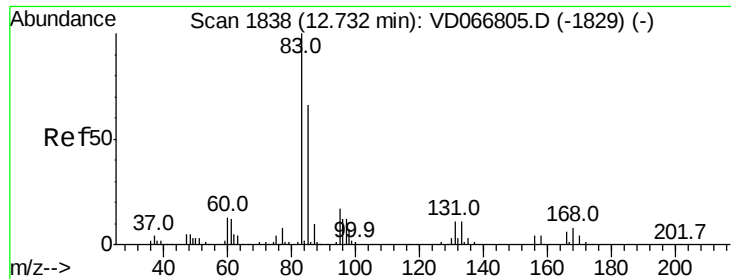
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.268 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

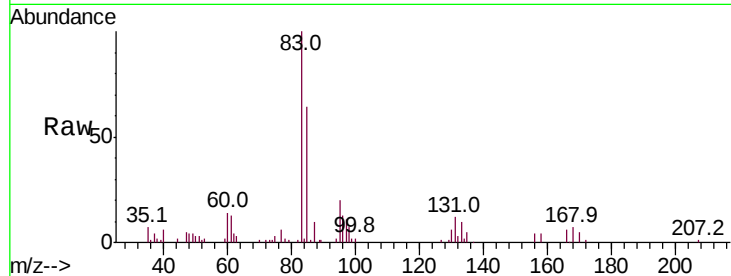
Tot Ion: 83 Resp: 72843

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.7

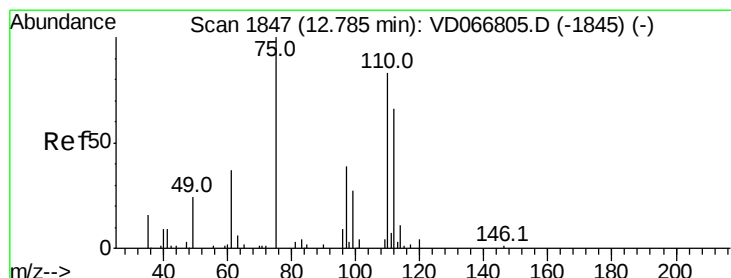
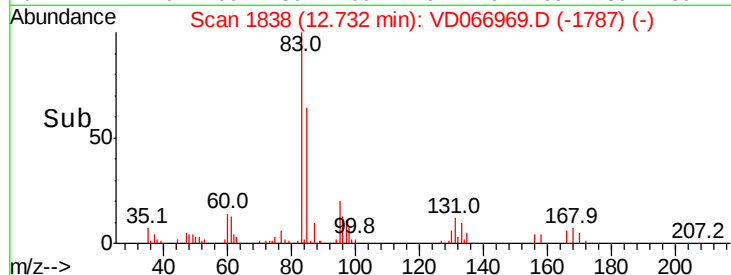
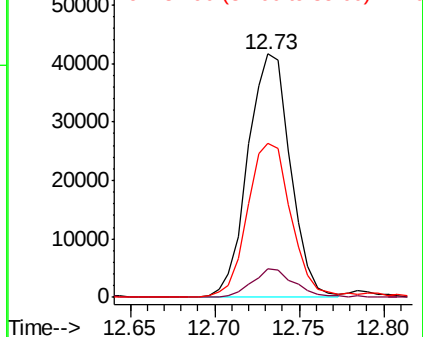
85 64.6 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.082 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066969.D

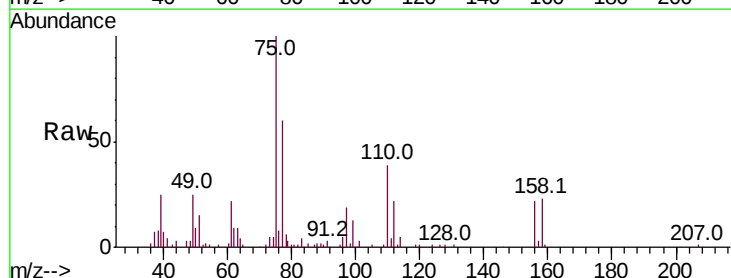
Acq: 30 Sep 2020 13:08

Tgt Ion: 75 Resp: 95772

Ion Ratio Lower Upper

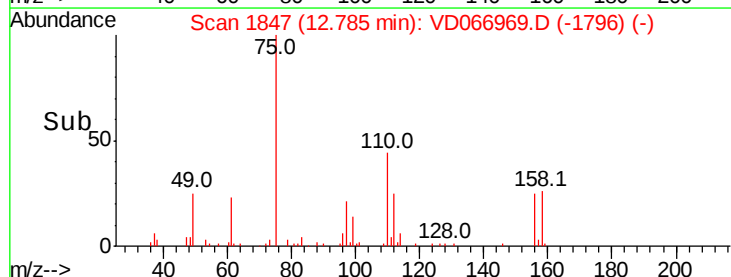
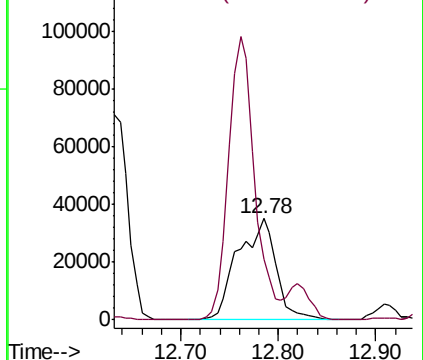
75 100

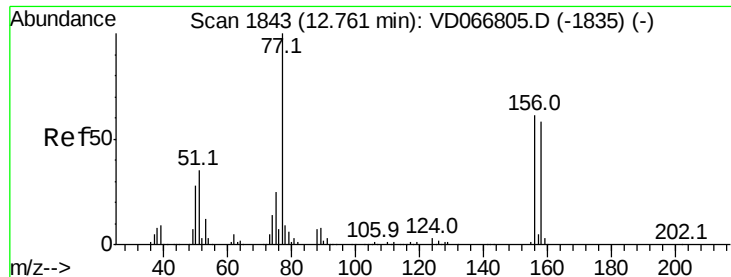
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.465 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

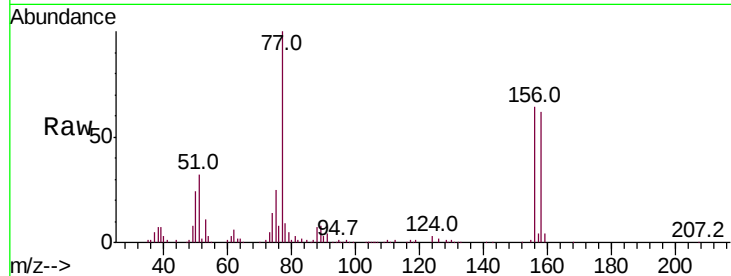
Tot Ion:156 Resp: 104560

Ion Ratio Lower Upper

156 100

77 174.8 92.3 276.9

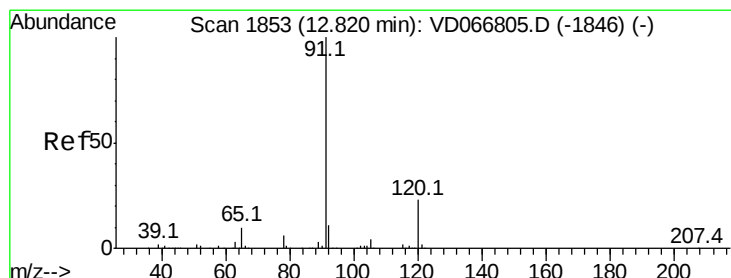
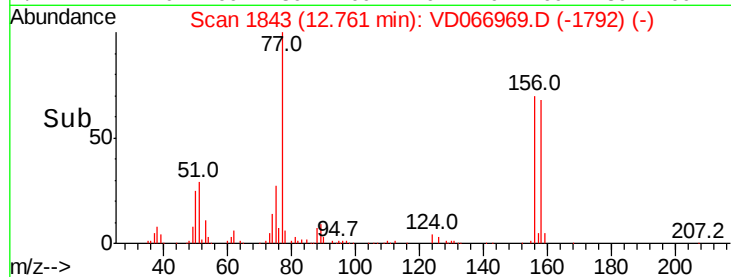
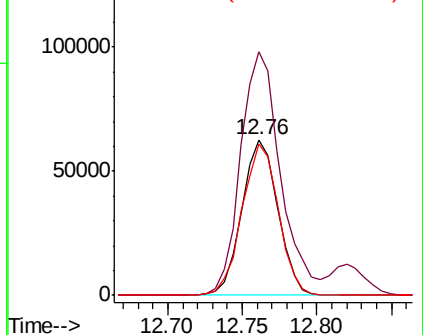
158 98.3 47.6 142.9



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: 20.612 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066969.D

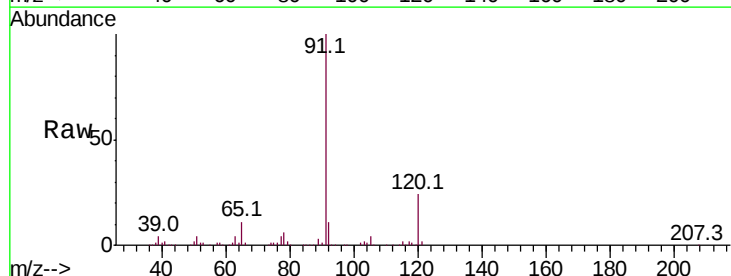
Acq: 30 Sep 2020 13:08

Tgt Ion: 91 Resp: 516488

Ion Ratio Lower Upper

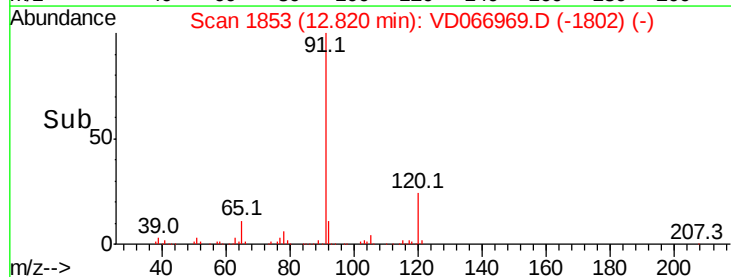
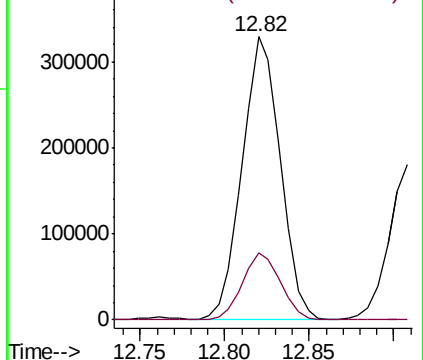
91 100

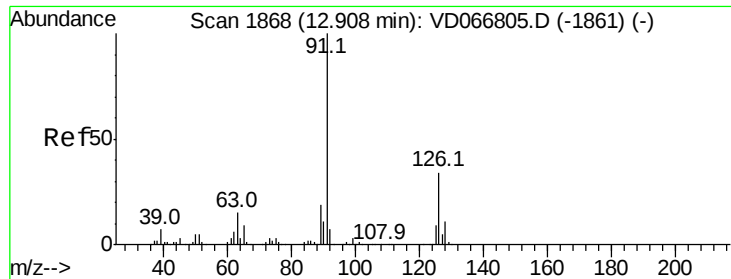
120 23.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

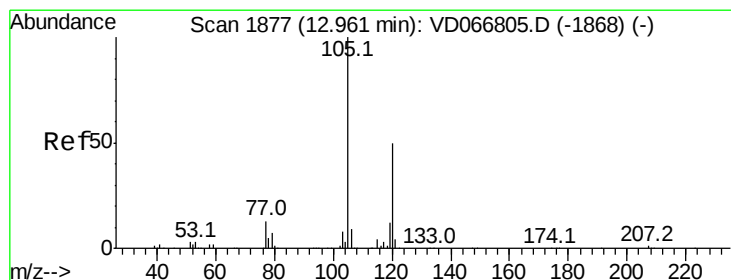
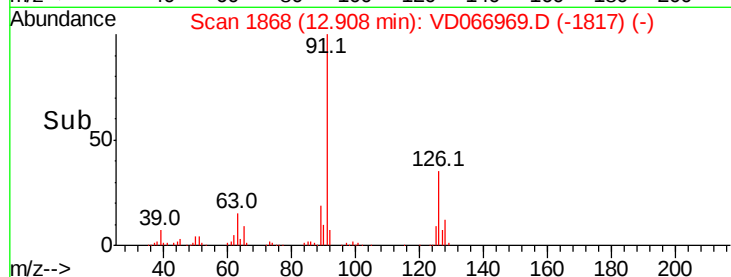
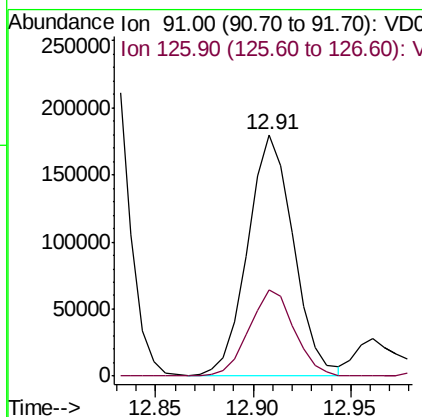
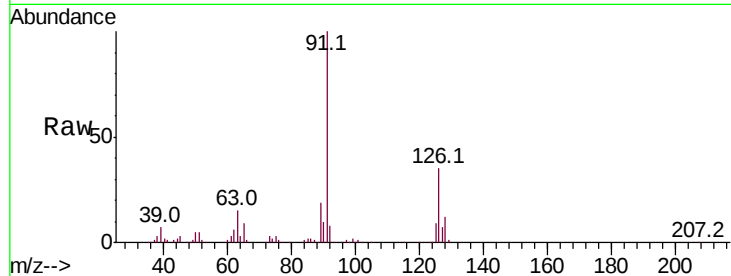




#79
2-Chlorotoluene
Concen: 20.411 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

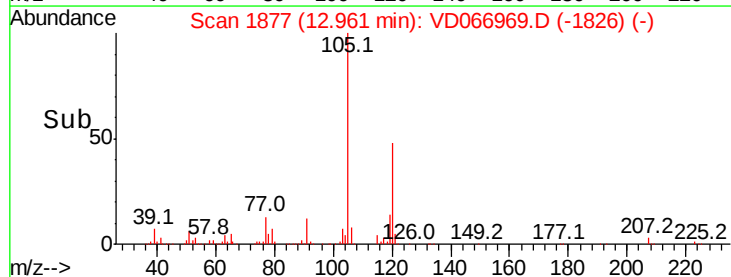
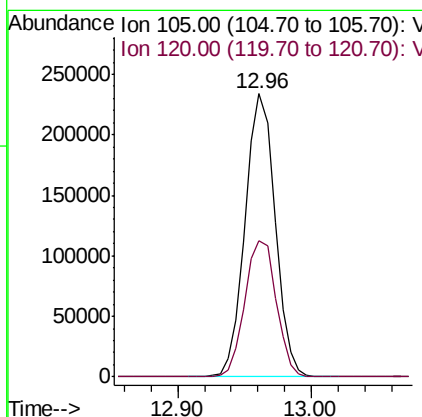
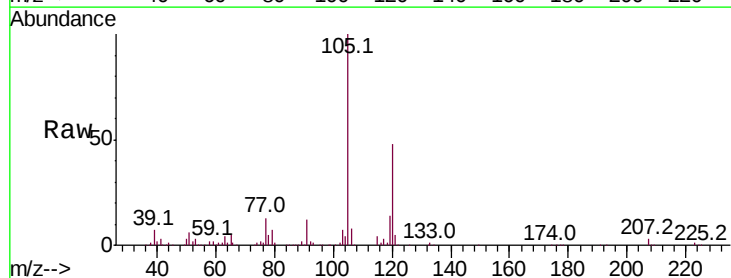
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

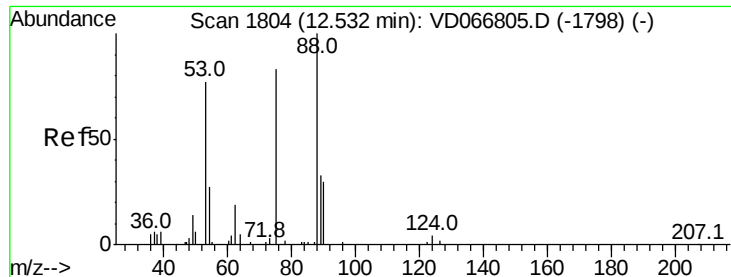
Tot Ion: 91 Resp: 291445
Ion Ratio Lower Upper
91 100
126 35.3 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 20.538 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:105 Resp: 362961
Ion Ratio Lower Upper
105 100
120 50.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 23.633 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

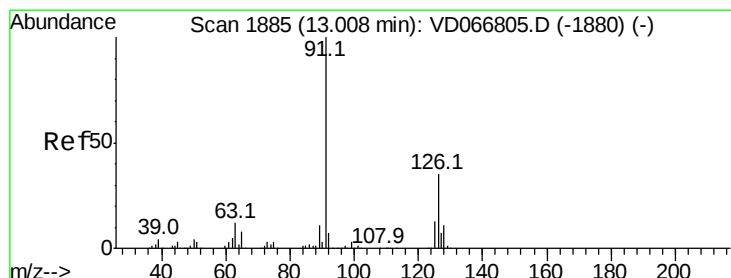
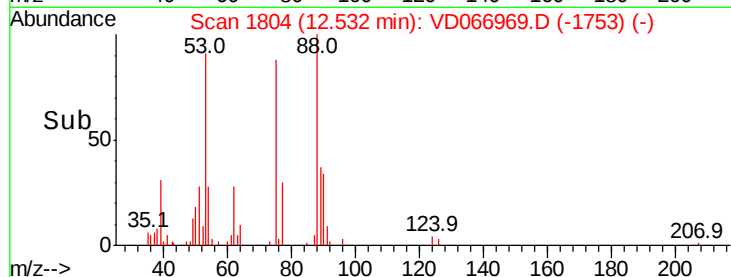
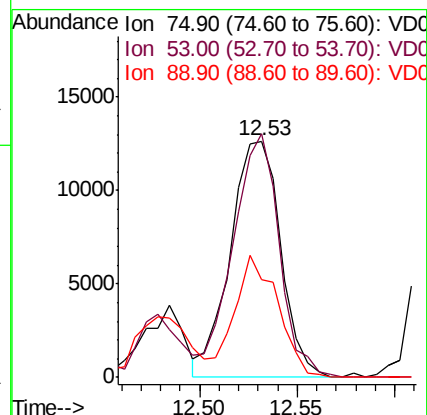
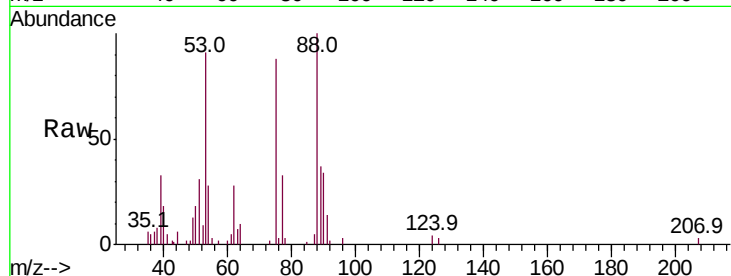
MSVOA_D

ClientSampleId :

VD0930SBSD01

Tot Ion: 75 Resp: 22570

Ion	Ratio	Lower	Upper
75	100		
53	95.4	78.5	117.7
89	45.1	38.1	57.1



#82

4-Chlorotoluene

Concen: 20.991 ug/l

RT: 13.01 min Scan# 1885

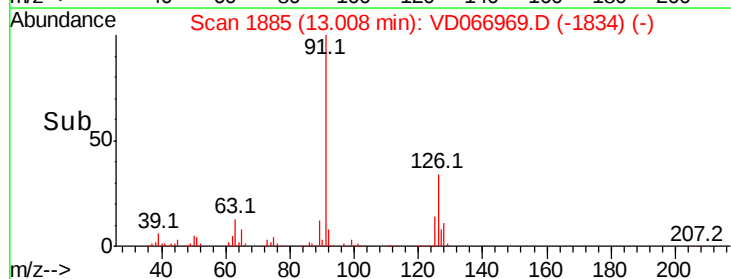
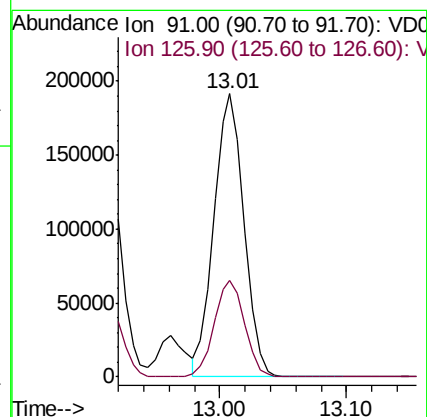
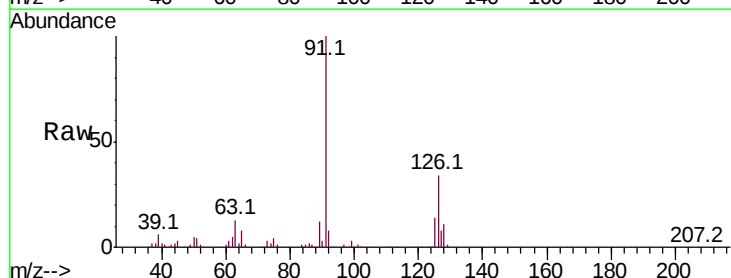
Delta R.T. -0.00 min

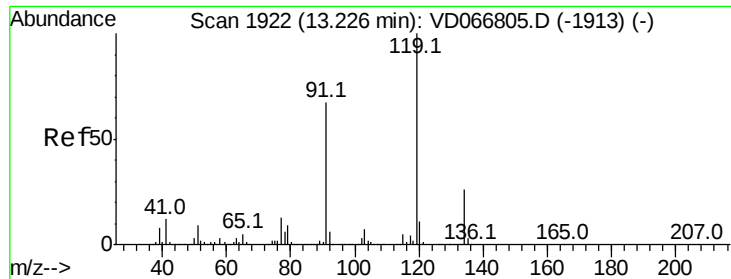
Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion: 91 Resp: 315963

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.1	51.2

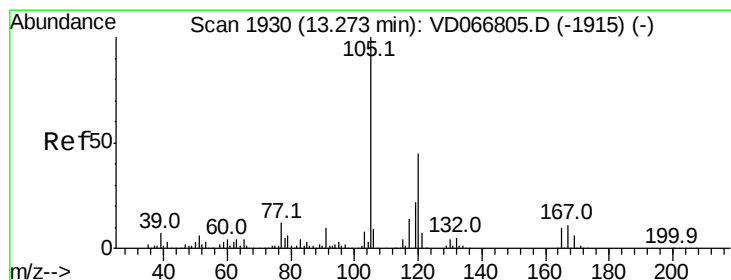
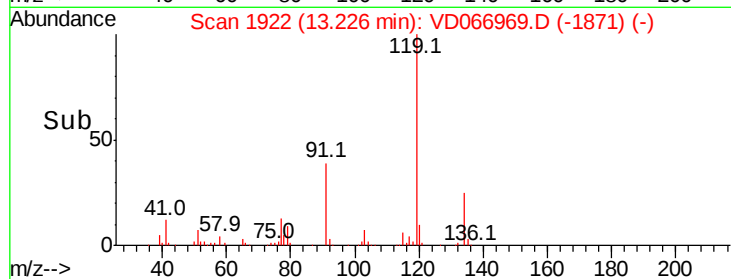
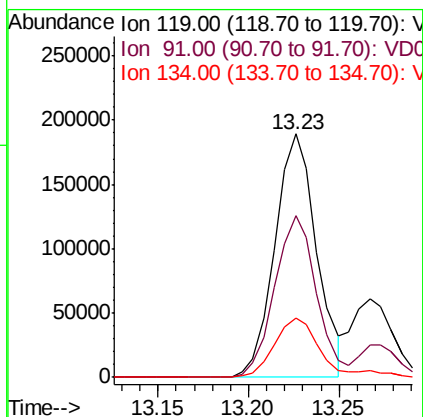
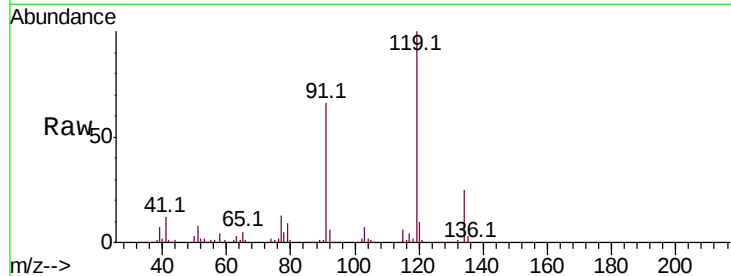




#83
tert-Butylbenzene
Concen: 20.947 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

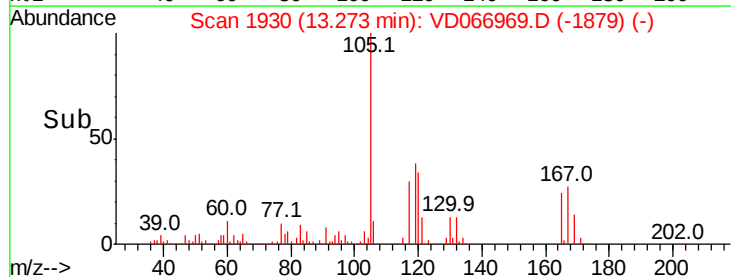
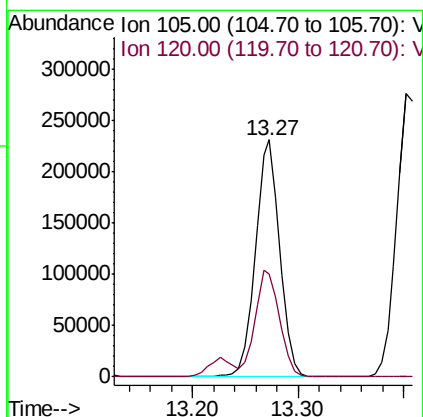
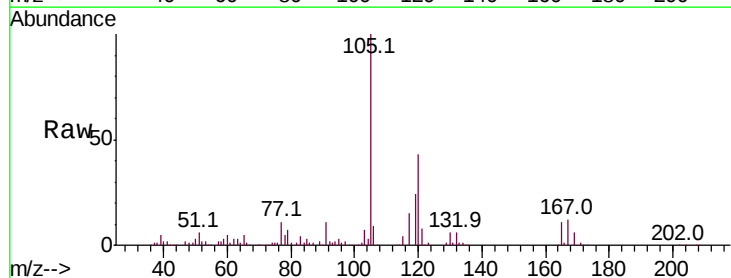
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

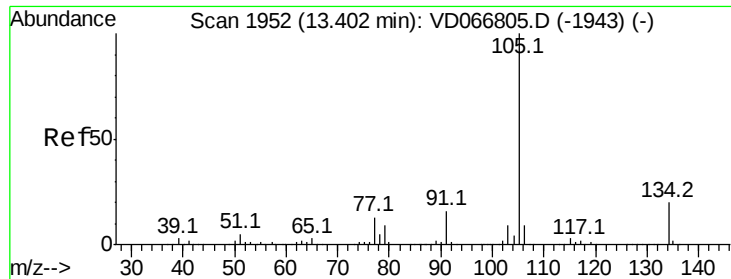
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	27.4	13.5	40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.114 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9

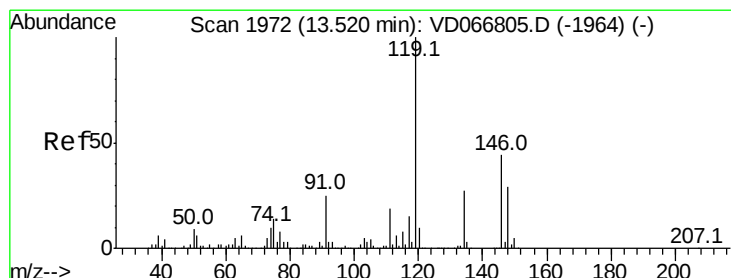
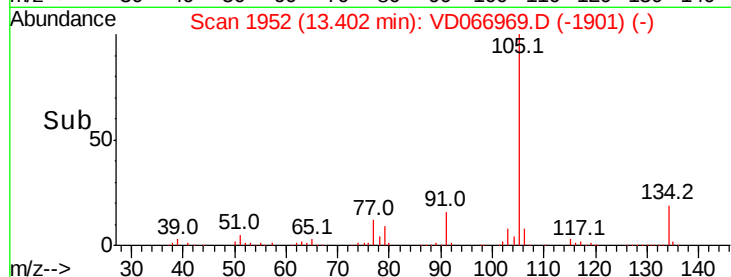
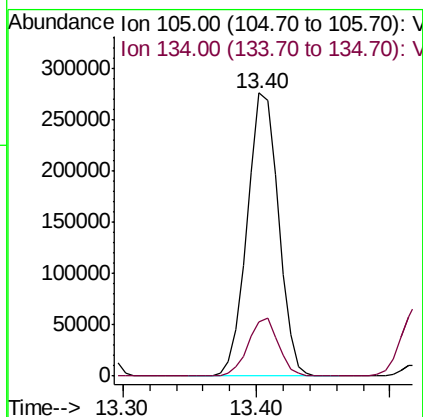
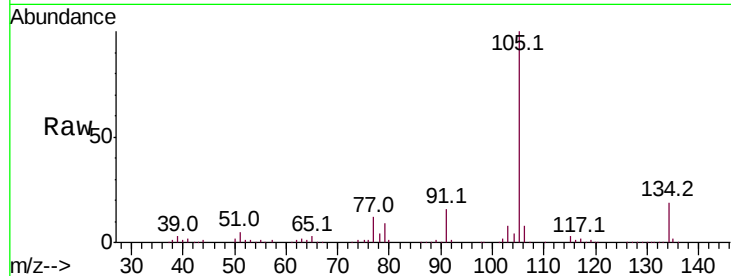




#85
 sec-Butylbenzene
 Concen: 21.306 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

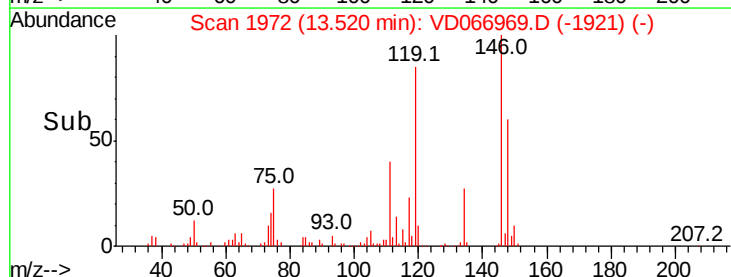
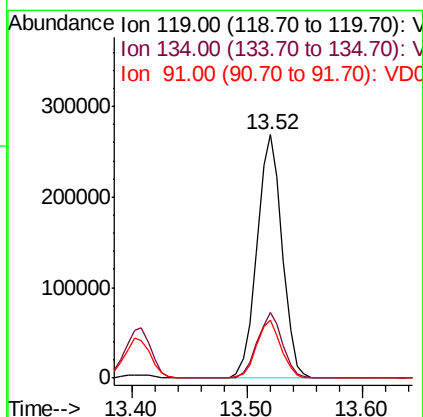
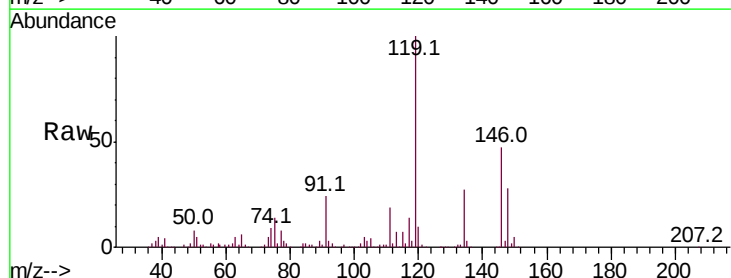
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

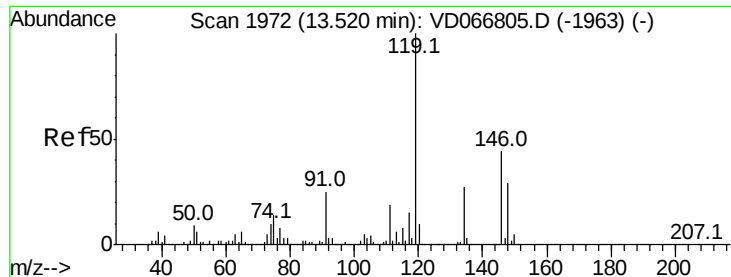
Tot Ion:105 Resp: 444942
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 21.671 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion:119 Resp: 407926
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 38.9
 91 23.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.290 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

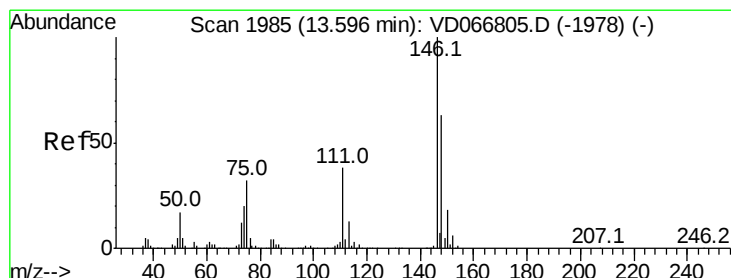
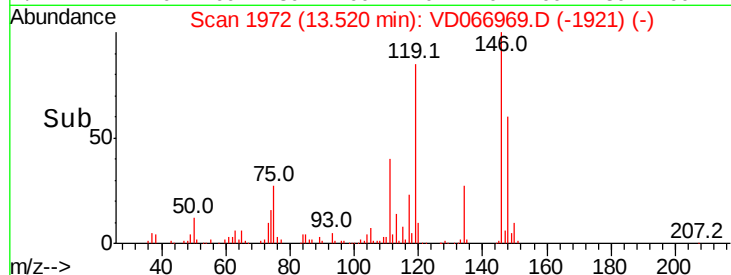
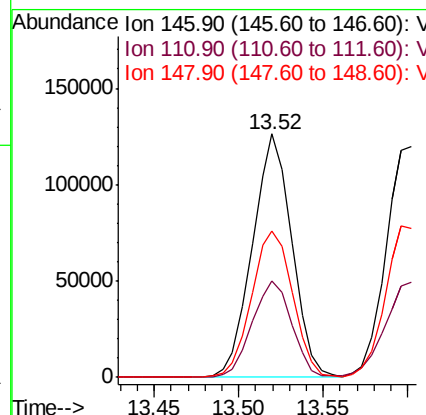
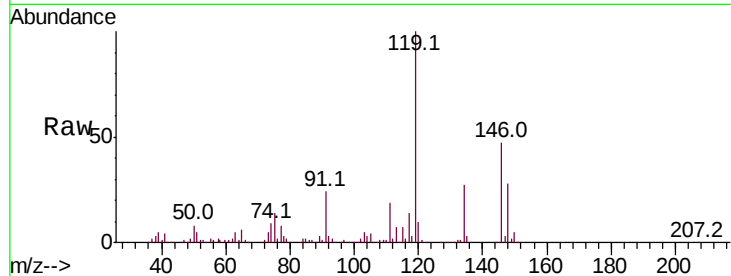
Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion:146 Resp: 204889

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	62.7	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.908 ug/l

RT: 13.60 min Scan# 1986

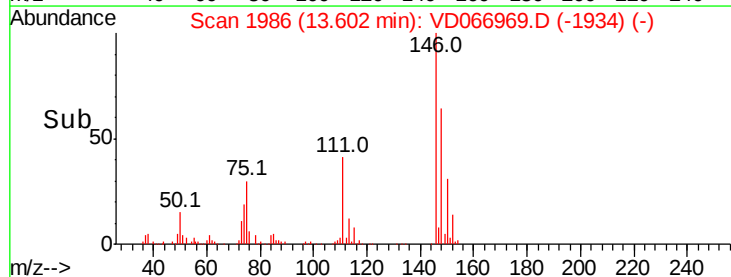
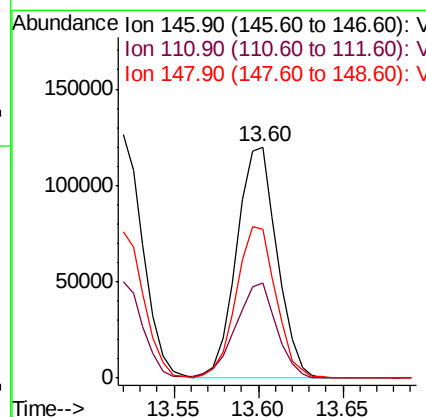
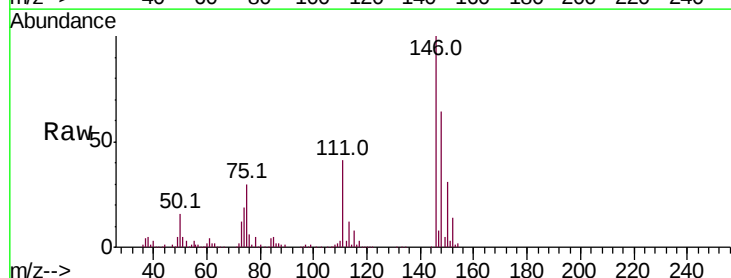
Delta R.T. 0.01 min

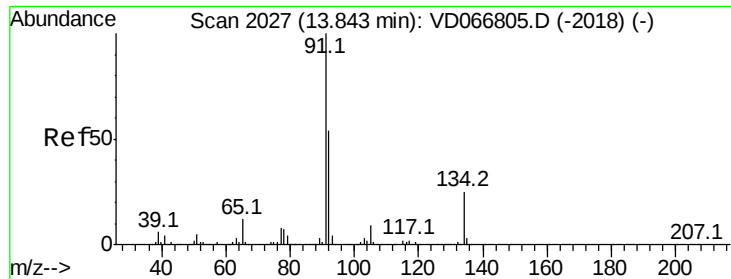
Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Tgt Ion:146 Resp: 199847

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.5
148	64.7	31.6	94.7

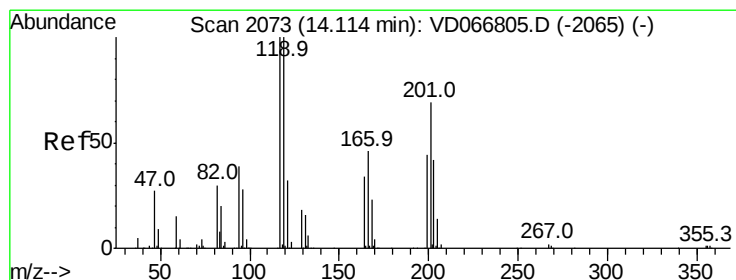
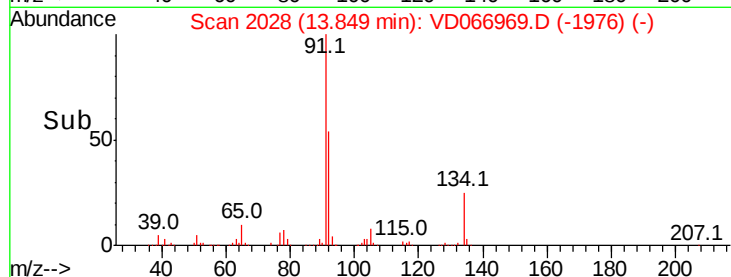
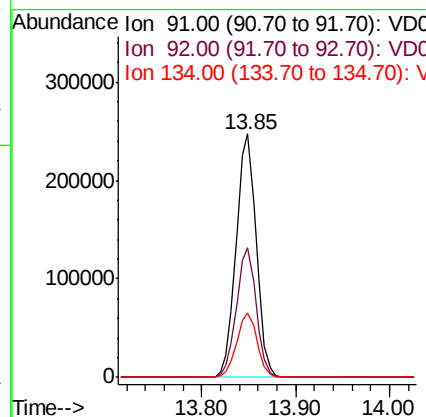
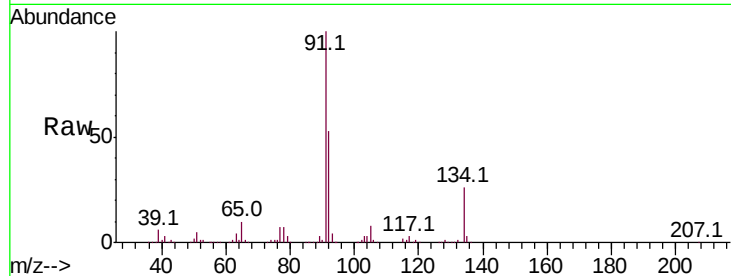




#89
n-Butylbenzene
Concen: 20.532 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

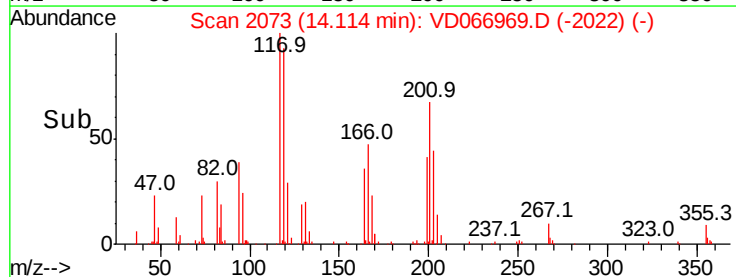
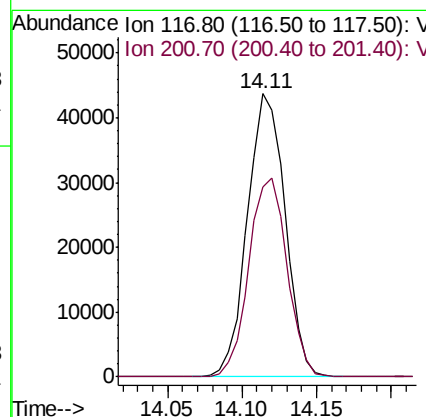
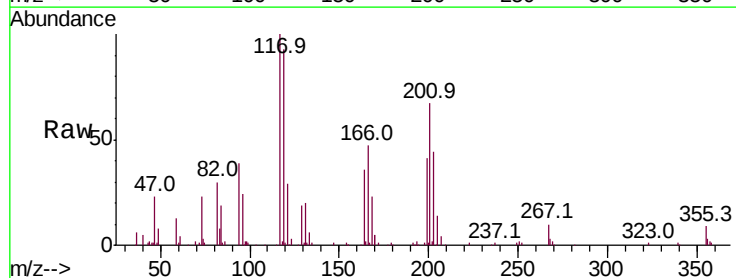
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

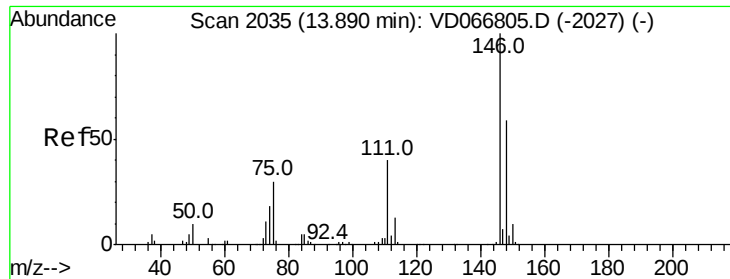
Tot Ion: 91 Resp: 367352
Ion Ratio Lower Upper
91 100
92 52.4 26.7 80.0
134 26.7 13.1 39.1



#90
Hexachloroethane
Concen: 19.980 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion: 117 Resp: 76356
Ion Ratio Lower Upper
117 100
201 71.1 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 21.183 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBSD01

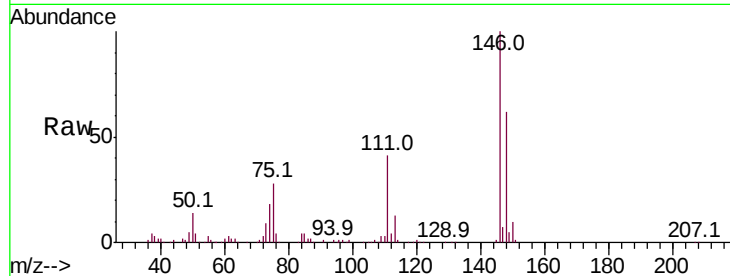
Tot Ion:146 Resp: 174418

Ion Ratio Lower Upper

146 100

111 42.8 20.9 62.7

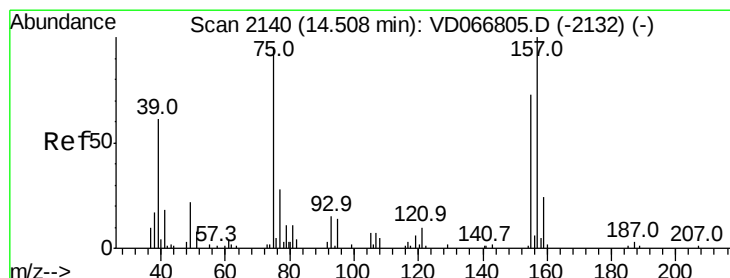
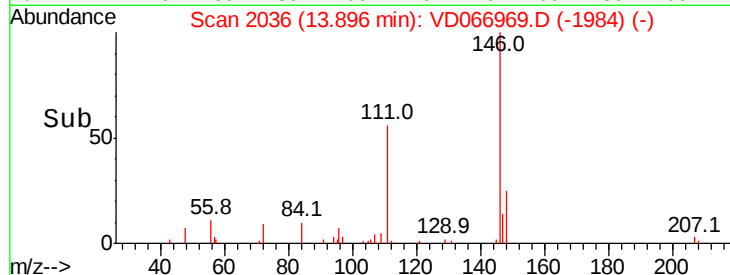
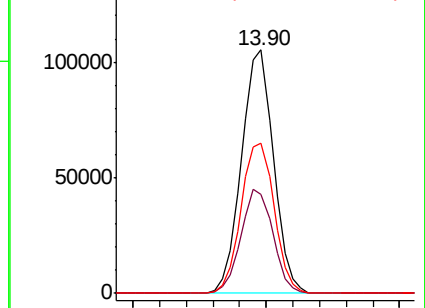
148 64.1 31.8 95.3



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: 20.363 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD066969.D

Acq: 30 Sep 2020 13:08

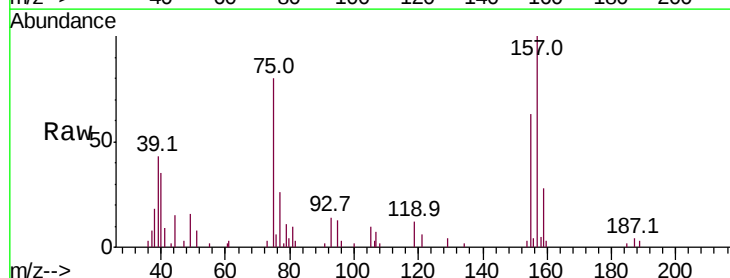
Tgt Ion: 75 Resp: 11773

Ion Ratio Lower Upper

75 100

155 74.3 40.4 121.2

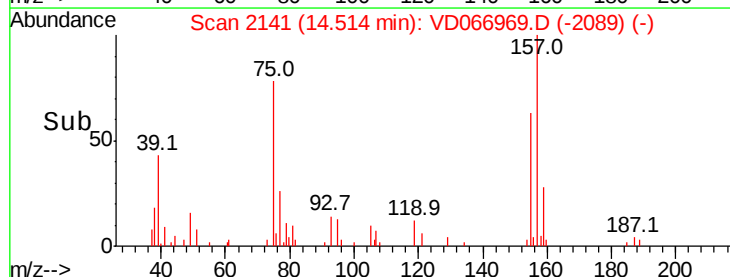
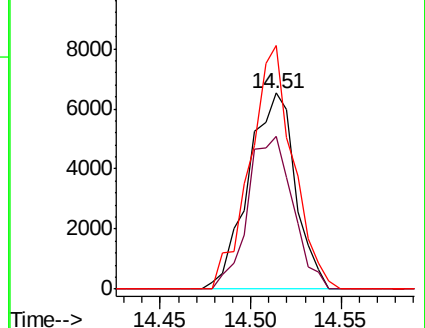
157 113.8 51.3 153.9

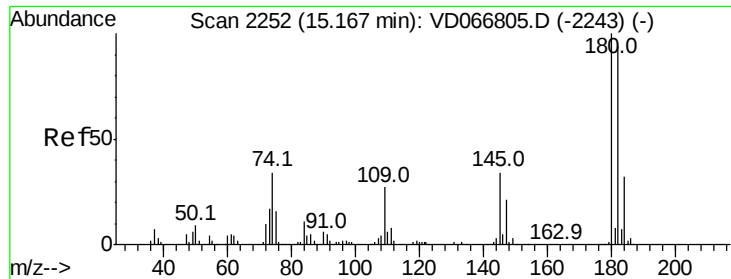


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

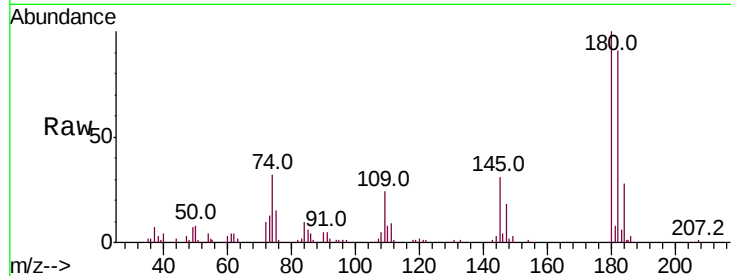




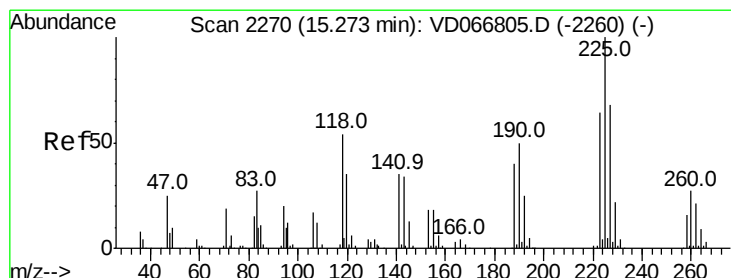
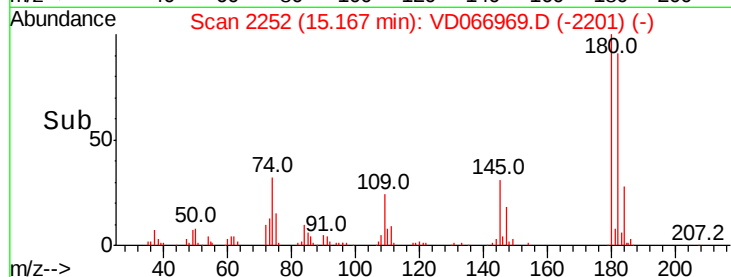
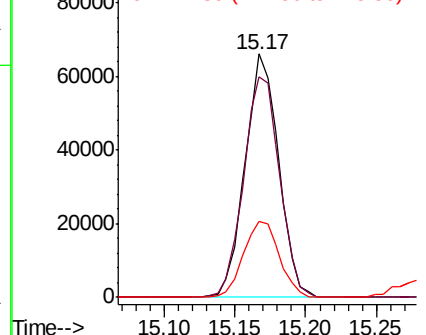
#93
 1,2,4-Trichlorobenzene
 Concen: 21.298 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.8	146.3
145	33.3	16.7	50.0

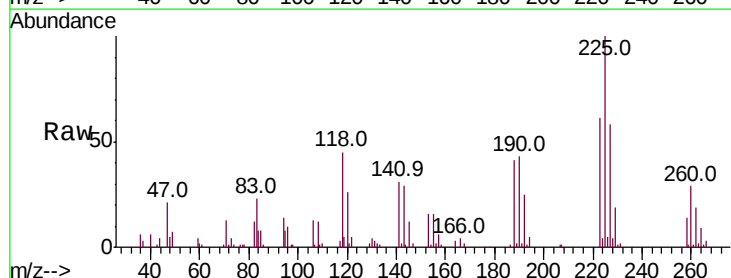


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

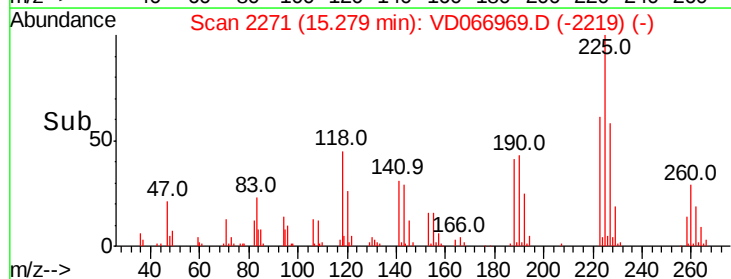
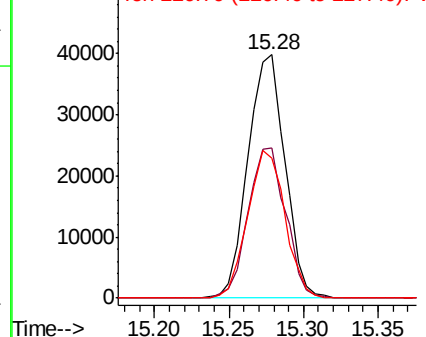


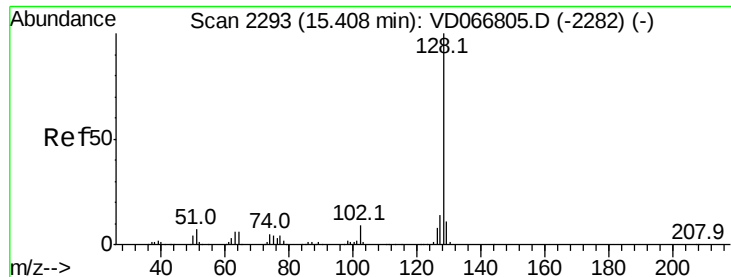
#94
 Hexachlorobutadiene
 Concen: 21.971 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066969.D
 Acq: 30 Sep 2020 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	61.1	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

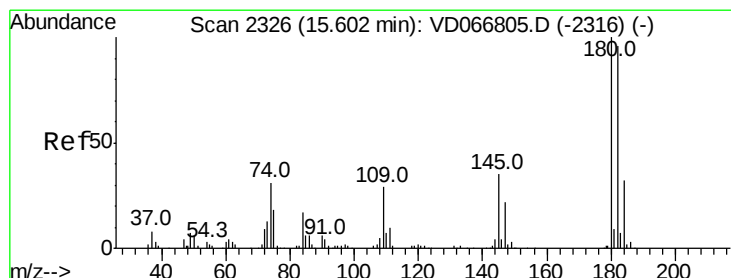
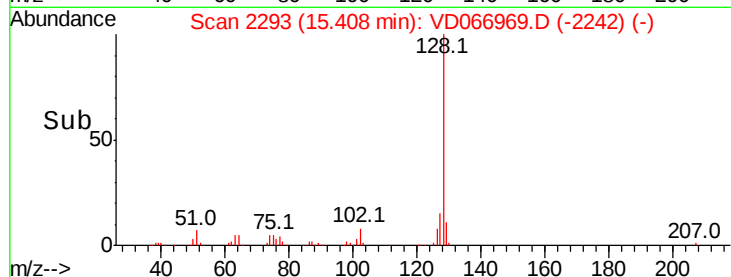
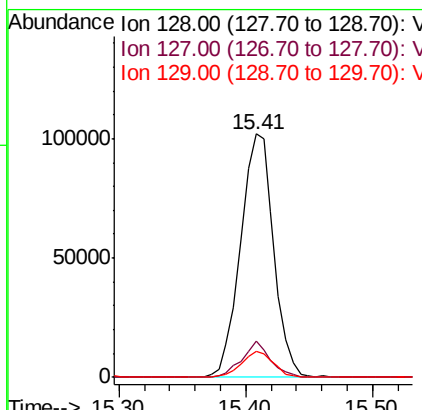
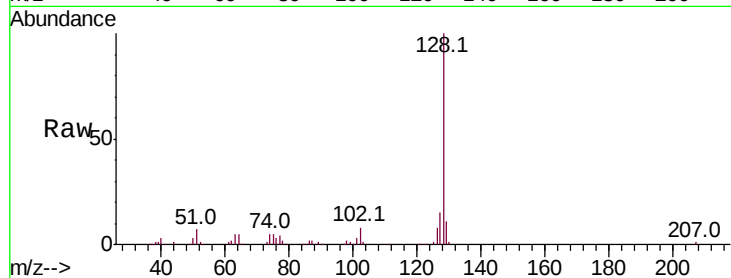




#95
Naphthalene
Concen: 20.979 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBSD01

Tot Ion:128 Resp: 184609
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.295 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066969.D
Acq: 30 Sep 2020 13:08

Tgt Ion:180 Resp: 95265
Ion Ratio Lower Upper
180 100
182 94.6 46.8 140.3
145 35.3 17.0 51.0

