

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066496.D
 Acq On : 01 Sep 2020 15:16
 Operator : VA/SY
 Sample : VD0901SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

Quant Time: Sep 02 01:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	157233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	212934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	195339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	106380	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	88996	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
35) Dibromofluoromethane	7.91	113	67600	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.34	98	254817	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.63	95	92353	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	29463	22.041	ug/l	96
3) Chloromethane	2.21	50	16503	17.417	ug/l #	88
4) Vinyl Chloride	2.35	62	19675	19.340	ug/l	96
5) Bromomethane	2.76	94	16708	21.957	ug/l	91
6) Chloroethane	2.92	64	13544	20.792	ug/l #	86
7) Trichlorofluoromethane	3.27	101	62763	22.688	ug/l	99
8) Diethyl Ether	3.71	74	12274	19.803	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	4.09	101	26482	19.398	ug/l	97
10) Methyl Iodide	4.30	142	24798	15.926	ug/l	88
11) Tert butyl alcohol	5.20	59	14243	142.267	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	23916	18.662	ug/l	94
13) Acrolein	3.93	56	3582	52.328	ug/l	86
14) Allyl chloride	4.71	41	28113	16.436	ug/l #	81
15) Acrylonitrile	5.41	53	20696	83.222	ug/l	99
16) Acetone	4.16	43	25524	91.843	ug/l	97
17) Carbon Disulfide	4.40	76	64330	16.564	ug/l	98
18) Methyl Acetate	4.71	43	8692	16.664	ug/l #	86
19) Methyl tert-butyl Ether	5.47	73	61645	19.977	ug/l	96
20) Methylene Chloride	4.96	84	31838	17.297	ug/l #	93
21) trans-1,2-Dichloroethene	5.47	96	27187	18.225	ug/l	93
22) Diisopropyl ether	6.36	45	55511	16.762	ug/l	96
23) Vinyl Acetate	6.30	43	171103	83.459	ug/l	94
24) 1,1-Dichloroethane	6.26	63	43851	18.737	ug/l	97
25) 2-Butanone	7.21	43	25621	81.209	ug/l	98
26) 2,2-Dichloropropane	7.20	77	55436	22.101	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	30583	19.134	ug/l	98
28) Bromochloromethane	7.54	49	13036	16.171	ug/l	81
29) Tetrahydrofuran	7.56	42	14656	81.787	ug/l	90
30) Chloroform	7.70	83	55584	20.528	ug/l	93
31) Cyclohexane	7.98	56	34972	16.339	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	61525	22.201	ug/l	97
36) 1,1-Dichloropropene	8.11	75	37623	19.365	ug/l	98
37) Ethyl Acetate	7.29	43	11946	18.078	ug/l #	64
38) Carbon Tetrachloride	8.09	117	59658	23.568	ug/l	96

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Quant Time: Sep 02 01:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	42227	18.450	ug/l	92
40) Benzene	8.34	78	98794	19.329	ug/l	95
41) Methacrylonitrile	7.55	41	11512	28.250	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	42605	23.667	ug/l	99
43) Isopropyl Acetate	8.45	43	24780	18.683	ug/l	98
44) Trichloroethene	9.11	130	34291	20.647	ug/l	97
45) 1,2-Dichloropropane	9.38	63	20668	17.837	ug/l	97
46) Dibromomethane	9.47	93	14731	20.419	ug/l	97
47) Bromodichloromethane	9.66	83	42270	21.305	ug/l #	96
48) Methyl methacrylate	9.45	41	12440	18.189	ug/l #	86
49) 1,4-Dioxane	9.45	88	3241	386.888	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	58478	91.140	ug/l	98
52) Toluene	10.40	92	70632	20.398	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	40213	21.361	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	41453	19.617	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	20004	20.482	ug/l #	89
56) Ethyl methacrylate	10.66	69	21877	19.350	ug/l #	87
57) 1,3-Dichloropropane	10.94	76	31768	19.664	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	43033	91.643	ug/l	88
59) 2-Hexanone	10.98	43	42810	94.591	ug/l	100
60) Dibromochloromethane	11.14	129	31142	21.154	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18637	19.390	ug/l	96
64) Tetrachloroethene	10.87	164	30813	20.794	ug/l	95
65) Chlorobenzene	11.67	112	79957	20.574	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	33159	20.878	ug/l	95
67) Ethyl Benzene	11.74	91	141945	20.750	ug/l	95
68) m/p-Xylenes	11.85	106	110070	42.214	ug/l	95
69) o-Xylene	12.18	106	51024	21.035	ug/l	99
70) Styrene	12.20	104	88880	21.340	ug/l	98
71) Bromoform	12.36	173	18990	21.075	ug/l #	100
73) Isopropylbenzene	12.48	105	151966	21.325	ug/l	98
74) N-amyl acetate	12.28	43	22963	17.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	17771	17.456	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	28362	37.897	ug/l	21
77) Bromobenzene	12.76	156	37205	20.569	ug/l	96
78) n-propylbenzene	12.82	91	163096	19.960	ug/l	96
79) 2-Chlorotoluene	12.91	91	92234	19.764	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	129228	21.003	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	6214	17.625	ug/l #	77
82) 4-Chlorotoluene	13.01	91	102191	20.668	ug/l	98
83) tert-Butylbenzene	13.23	119	111836	20.926	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	127706	21.131	ug/l	100
85) sec-Butylbenzene	13.40	105	143166	20.446	ug/l	100
86) p-Isopropyltoluene	13.52	119	143389	21.237	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	69213	20.499	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	71266	21.022	ug/l	99
89) n-Butylbenzene	13.84	91	116352	19.528	ug/l	97
90) Hexachloroethane	14.12	117	26962	20.215	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	60540	20.829	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	4843	22.682	ug/l	82

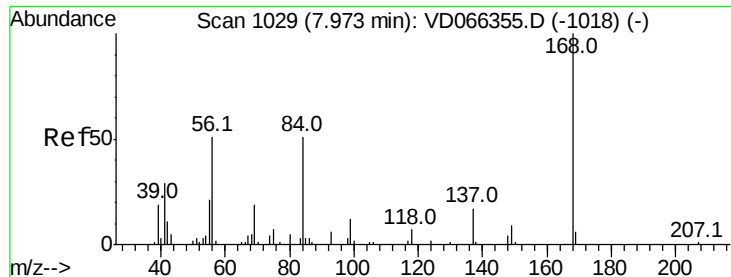
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090120\
Data File : VD066496.D
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Operator : VA/SY
Sample : VD0901SBSD01
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MSVOA_D
ClientSampleId :
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Quant Time: Sep 02 01:06:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	47929	21.122	ug/l	99
94) Hexachlorobutadiene	15.27	225	31815	22.562	ug/l	97
95) Naphthalene	15.41	128	72488	20.339	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	41454	21.326	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

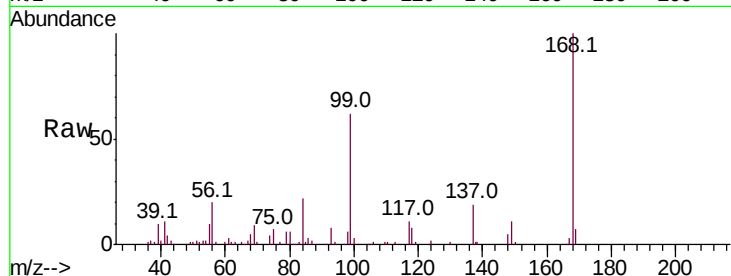
VD0901SBSD01

Tot Ion:168 Resp: 157233

Ion Ratio Lower Upper

168 100

99 61.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

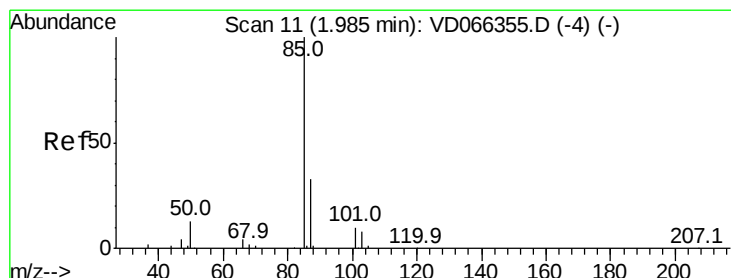
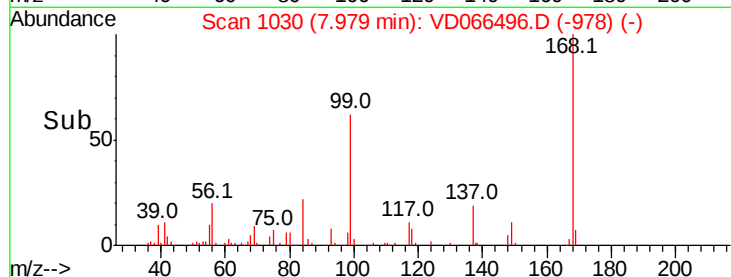
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.041 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066496.D

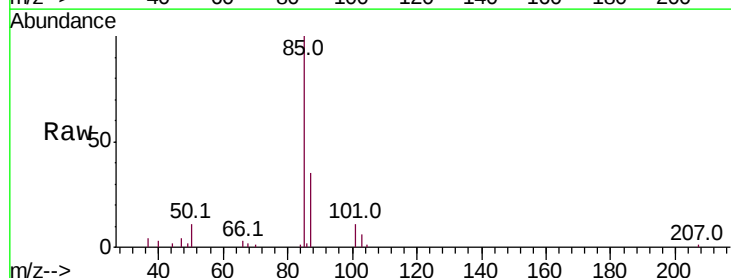
Acq: 01 Sep 2020 15:16

Tgt Ion: 85 Resp: 29463

Ion Ratio Lower Upper

85 100

87 35.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

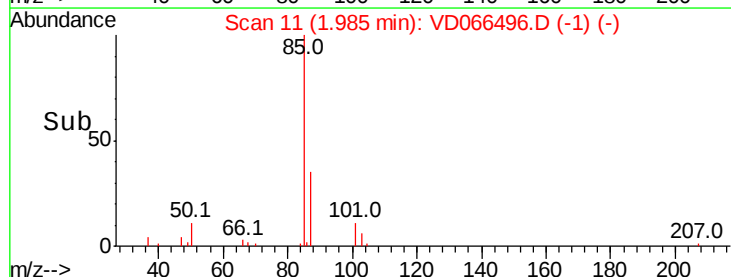
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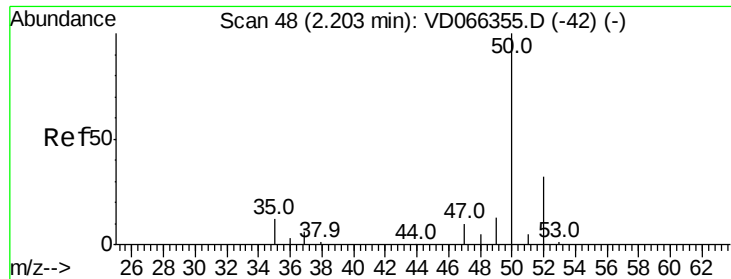
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.417 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

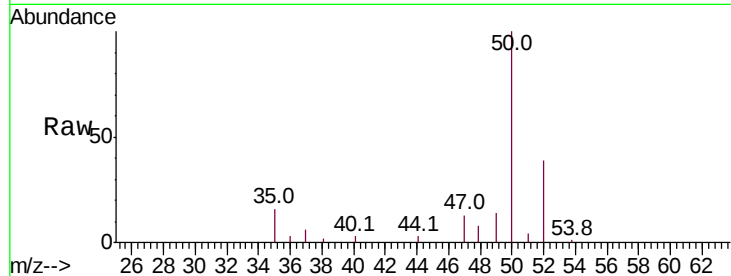
VD0901SBSD01

Tot Ion: 50 Resp: 16503

Ion Ratio Lower Upper

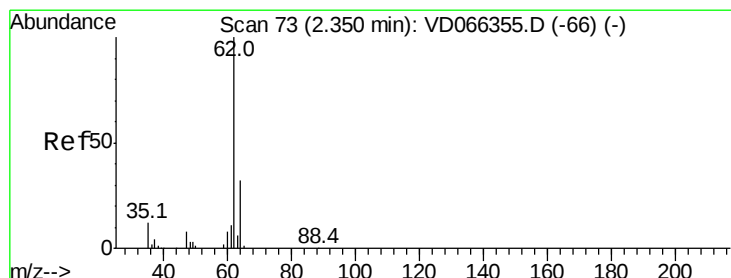
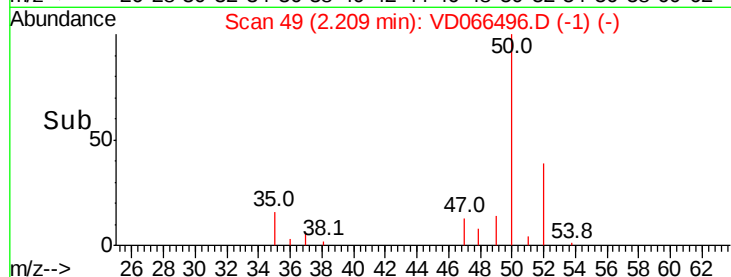
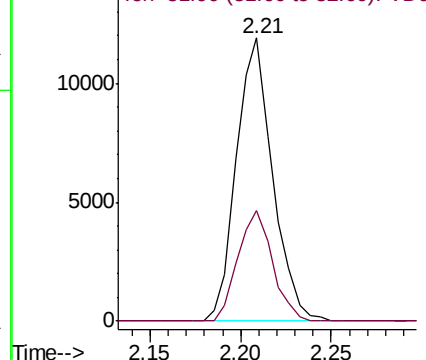
50 100

52 38.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.340 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066496.D

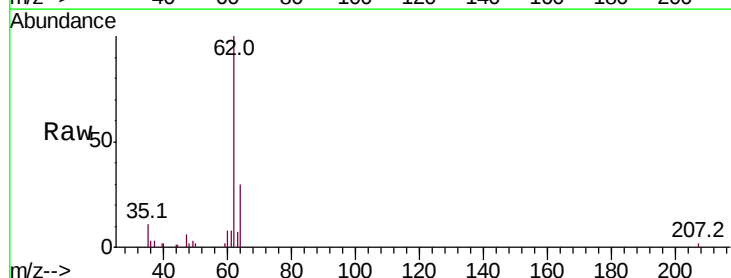
Acq: 01 Sep 2020 15:16

Tgt Ion: 62 Resp: 19675

Ion Ratio Lower Upper

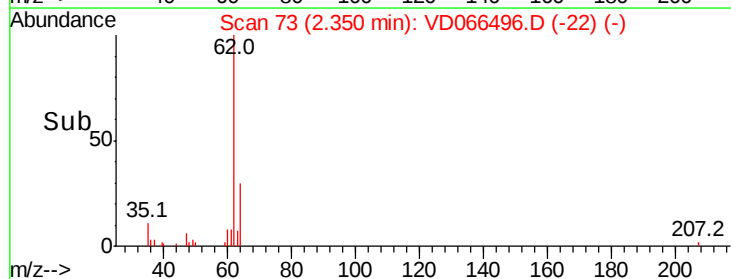
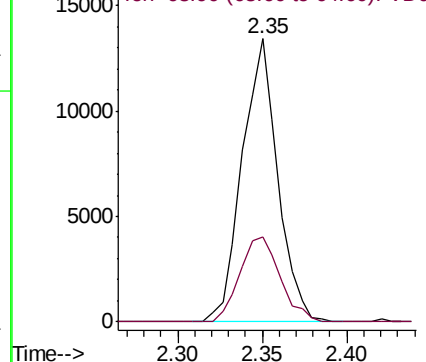
62 100

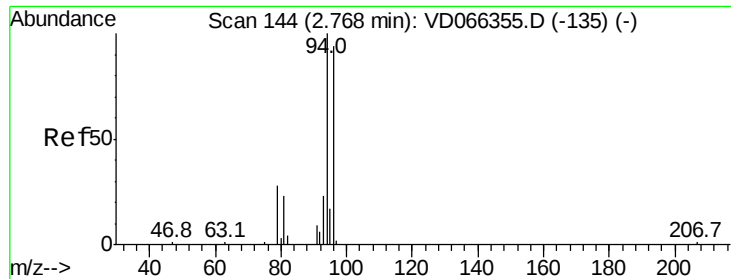
64 29.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.957 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

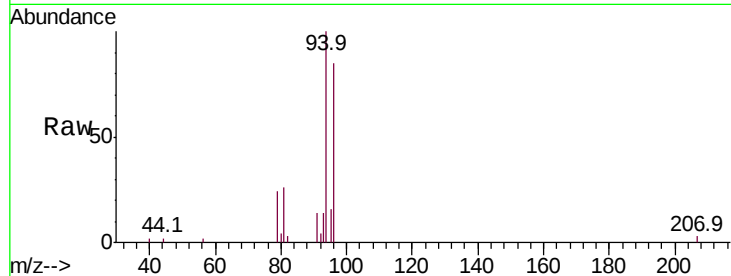
VD0901SBSD01

Tot Ion: 94 Resp: 16708

Ion Ratio Lower Upper

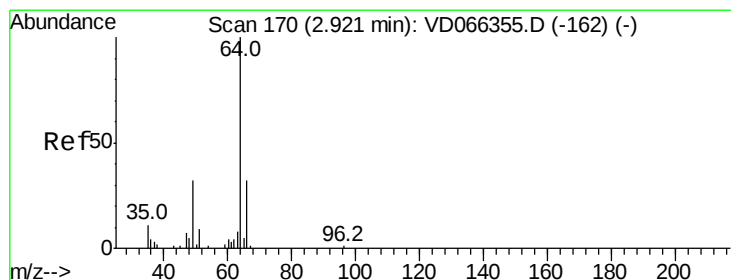
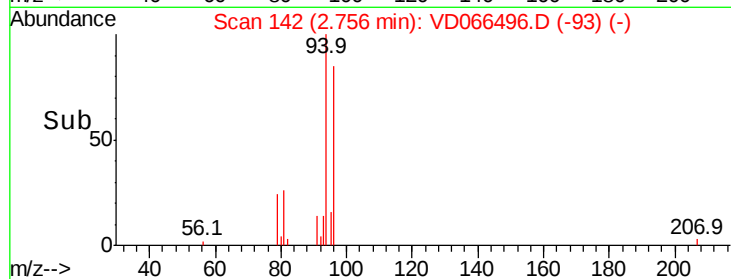
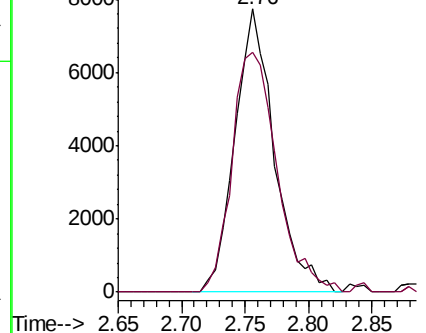
94 100

96 84.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.792 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066496.D

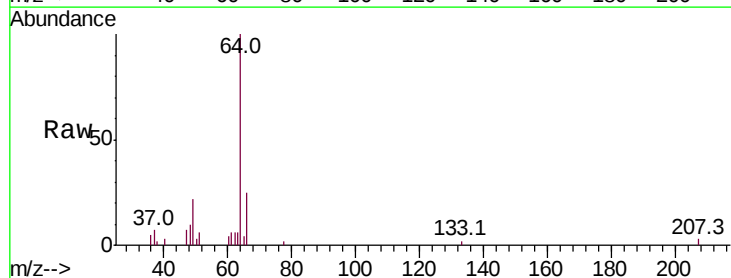
Acq: 01 Sep 2020 15:16

Tgt Ion: 64 Resp: 13544

Ion Ratio Lower Upper

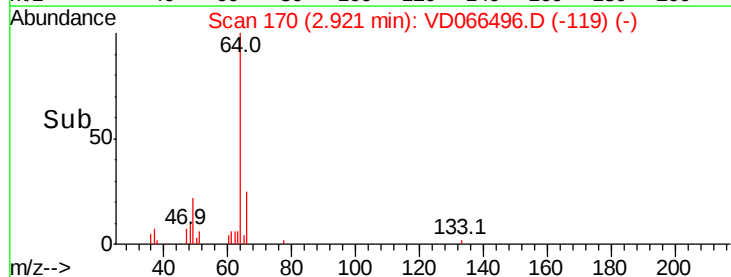
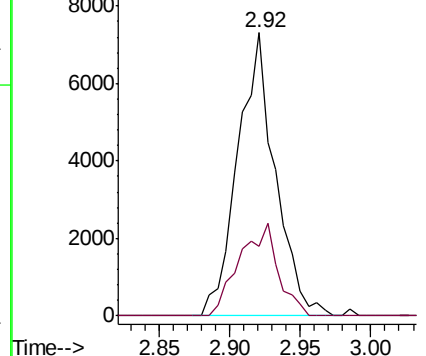
64 100

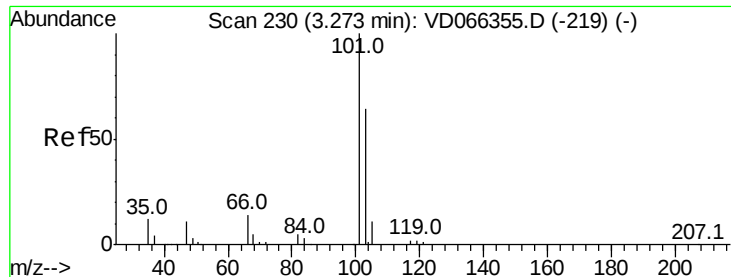
66 24.7 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



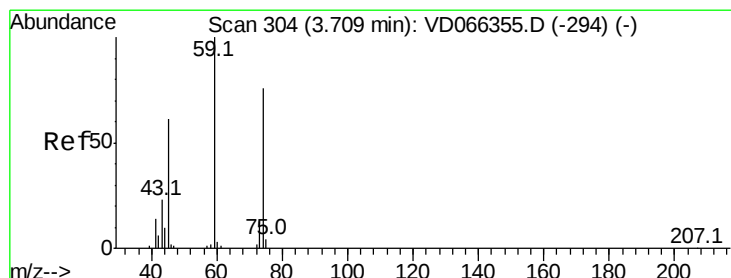
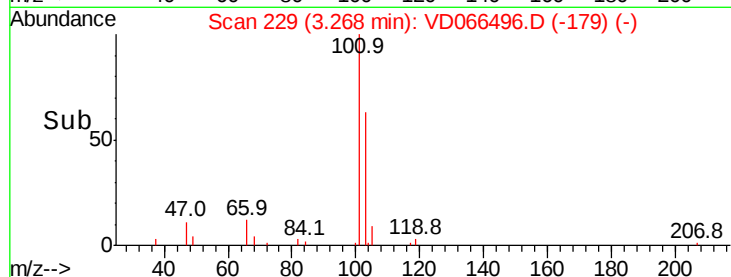
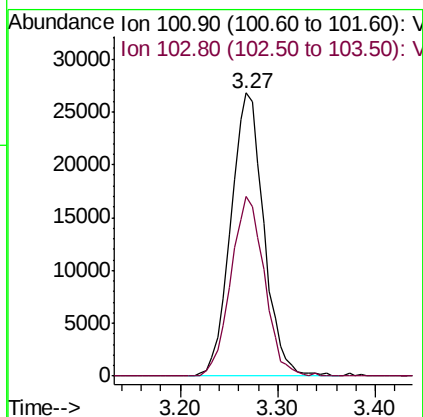
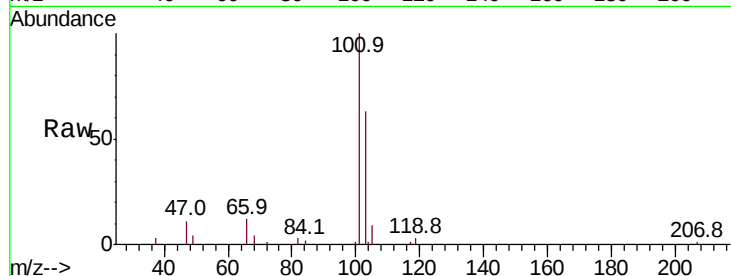


#7

Trichlorofluoromethane
Concen: 22.688 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

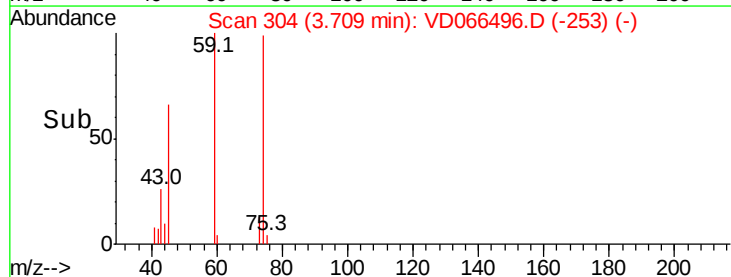
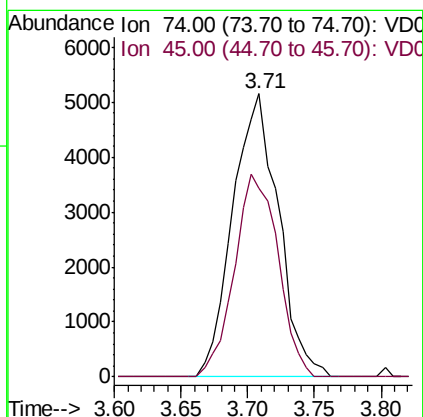
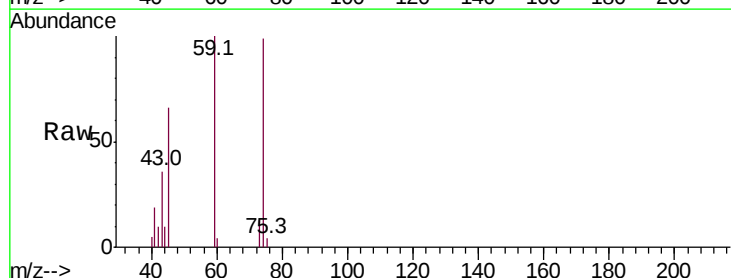
Tot Ion:101 Resp: 62763
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.0

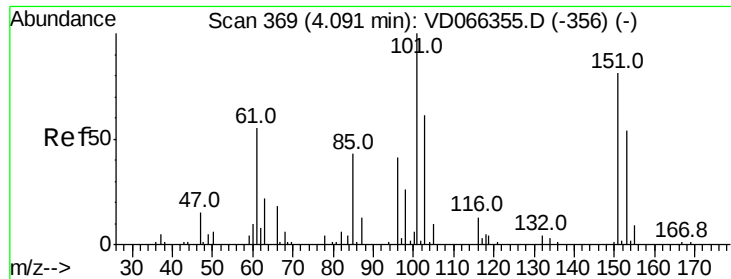


#8

Diethyl Ether
Concen: 19.803 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 74 Resp: 12274
Ion Ratio Lower Upper
74 100
45 68.3 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.398 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

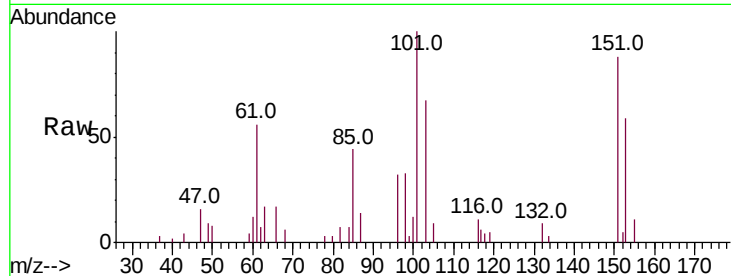
Tot Ion:101 Resp: 26482

Ion Ratio Lower Upper

101 100

85 46.2 36.4 54.6

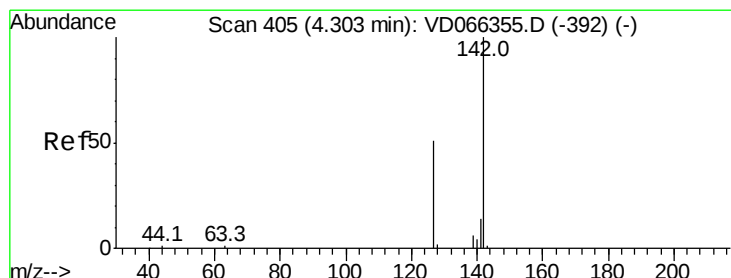
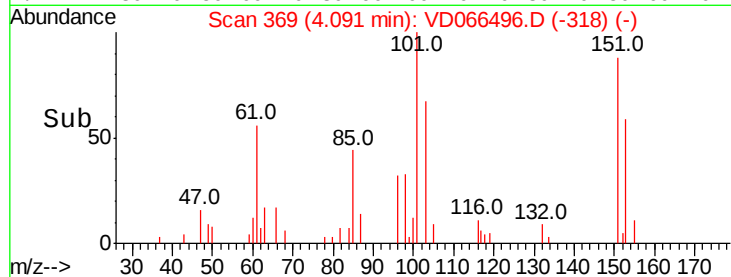
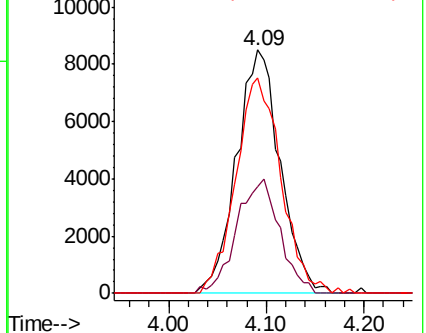
151 91.5 70.5 105.7



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: 15.926 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

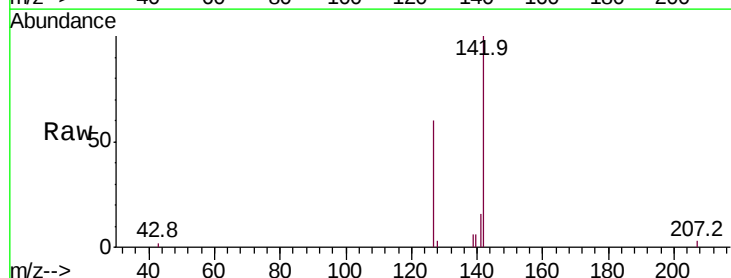
Tgt Ion:142 Resp: 24798

Ion Ratio Lower Upper

142 100

127 62.5 41.8 62.8

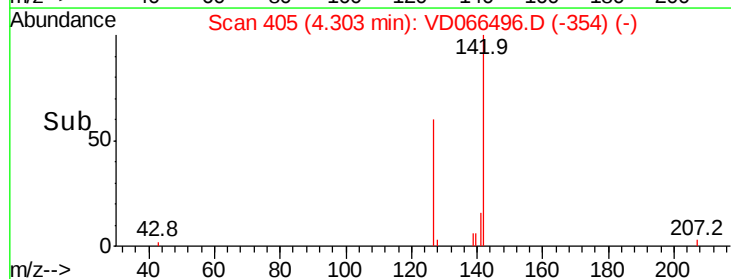
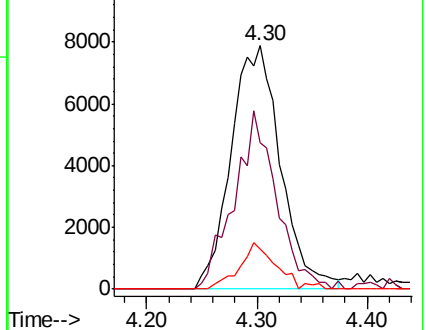
141 14.0 11.8 17.6

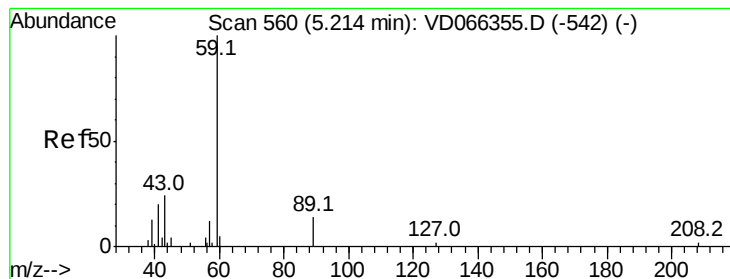


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



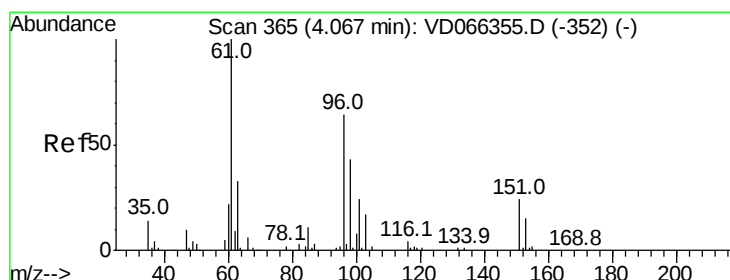
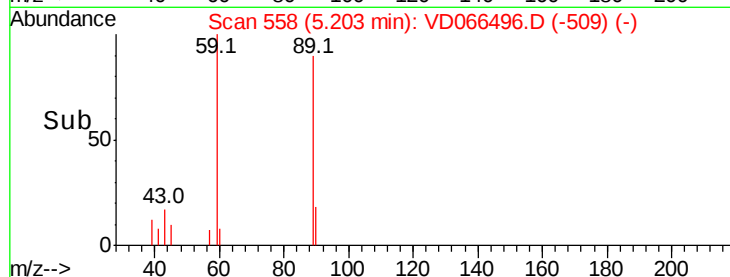
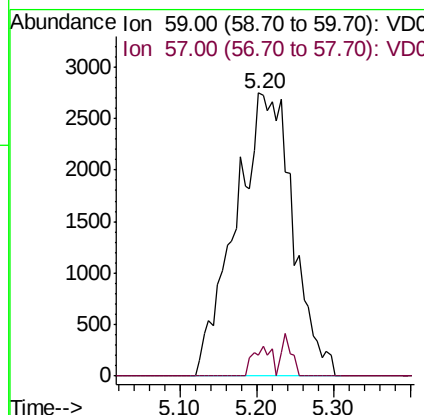
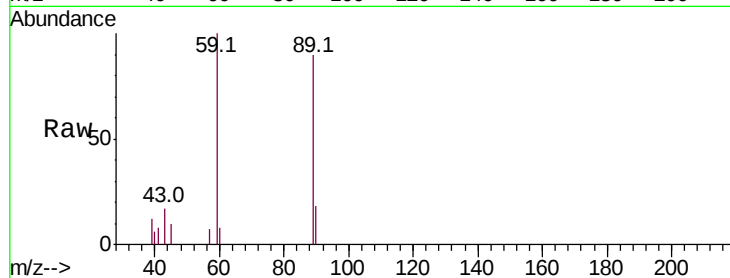


#11

Tert butyl alcohol
 Concen: 142.267 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBSD01

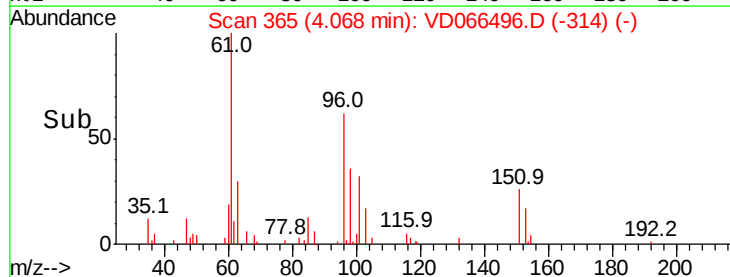
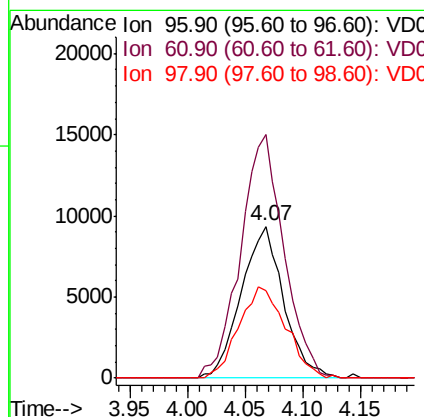
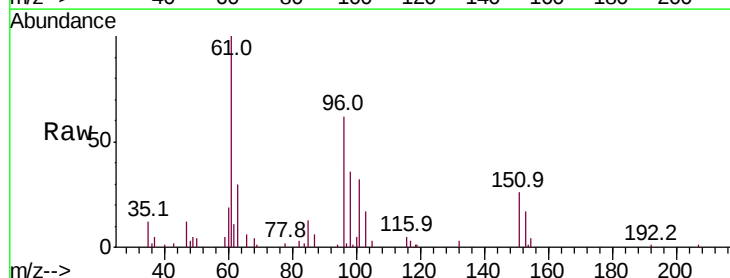
Tot Ion: 59 Resp: 14243
 Ion Ratio Lower Upper
 59 100
 57 3.4 9.0 13.4#

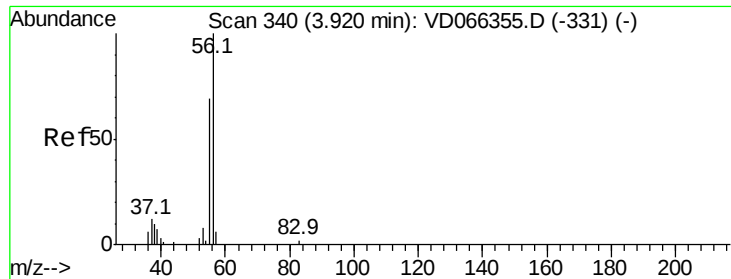


#12

1,1-Dichloroethene
 Concen: 18.662 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Tgt Ion: 96 Resp: 23916
 Ion Ratio Lower Upper
 96 100
 61 160.7 124.3 186.5
 98 57.8 53.2 79.8





#13

Acrolein

Concen: 52.328 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

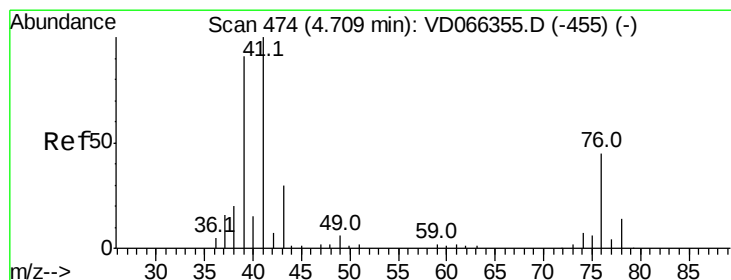
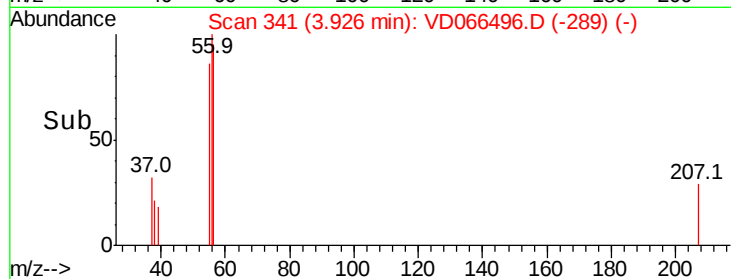
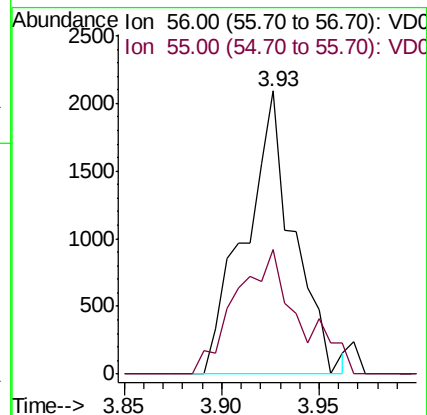
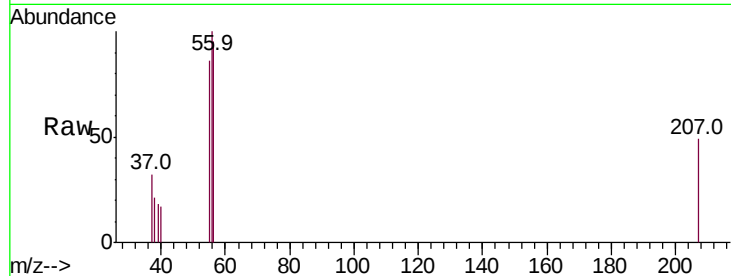
VD0901SBSD01

Tot Ion: 56 Resp: 3582

Ion Ratio Lower Upper

56 100

55 57.6 55.5 83.3



#14

Allyl chloride

Concen: 16.436 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

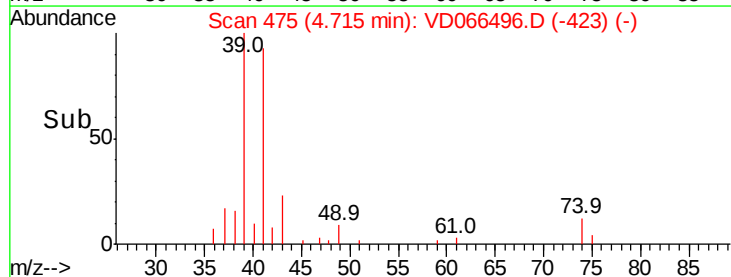
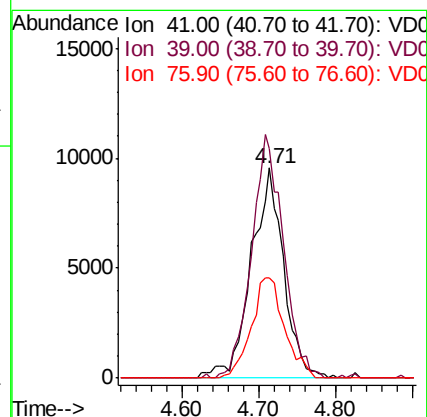
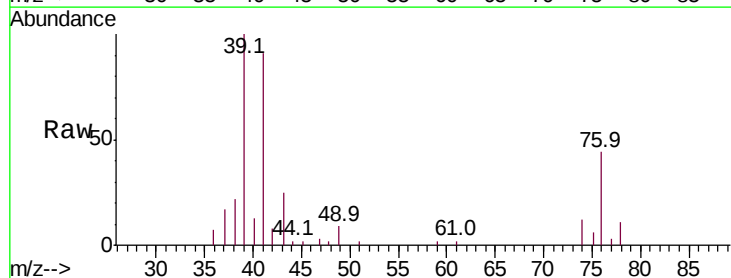
Tgt Ion: 41 Resp: 28113

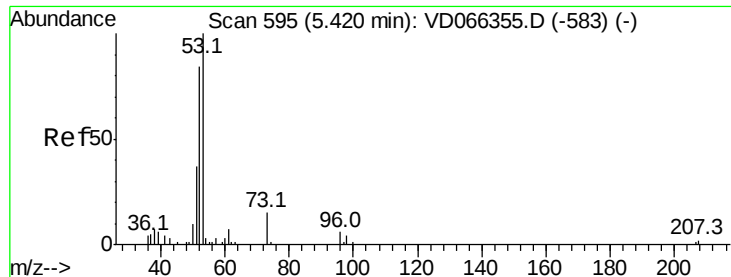
Ion Ratio Lower Upper

41 100

39 113.6 72.8 109.2#

76 49.0 34.0 51.0





#15

Acrylonitrile

Concen: 83.222 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

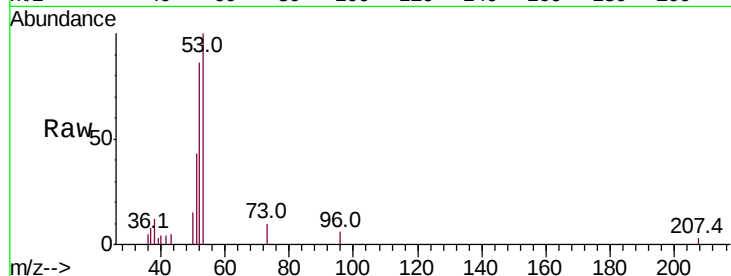
Tot Ion: 53 Resp: 20696

Ion Ratio Lower Upper

53 100

52 85.9 68.1 102.1

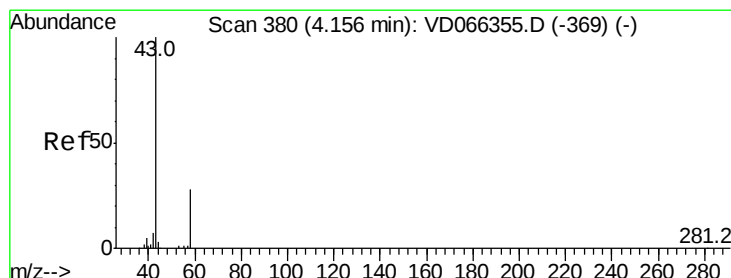
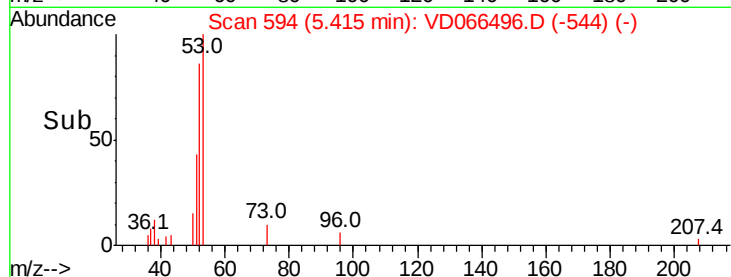
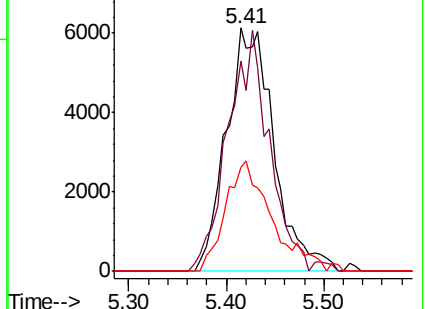
51 43.8 33.8 50.6



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: 91.843 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066496.D

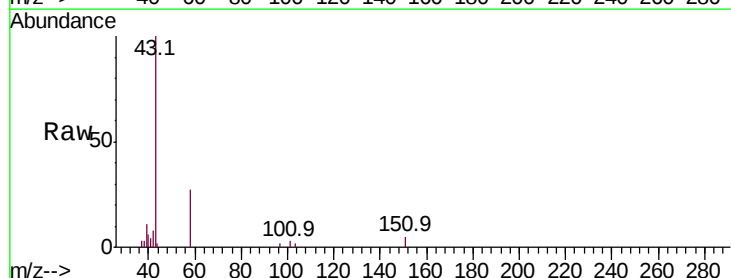
Acq: 01 Sep 2020 15:16

Tgt Ion: 43 Resp: 25524

Ion Ratio Lower Upper

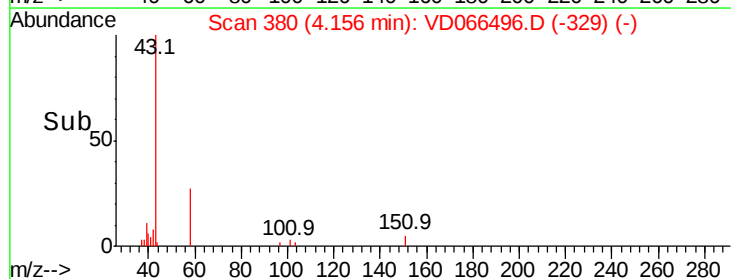
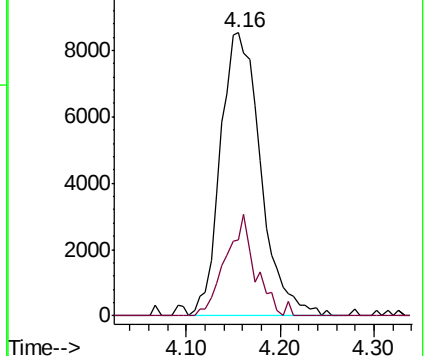
43 100

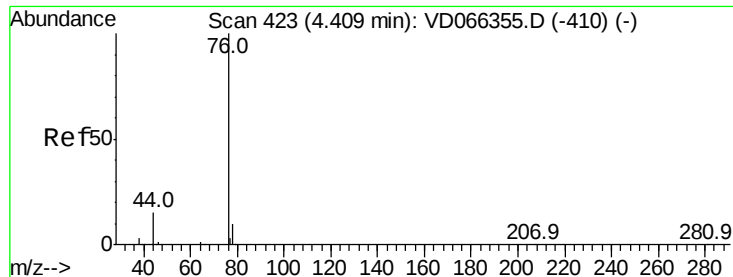
58 26.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 16.564 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

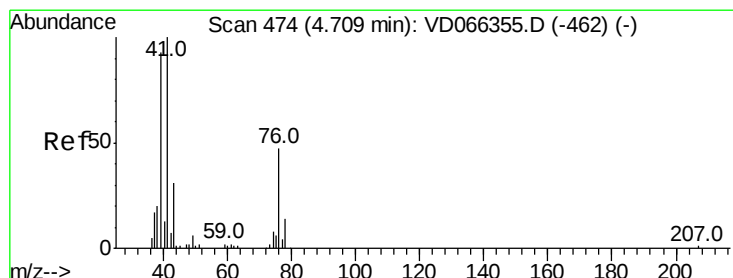
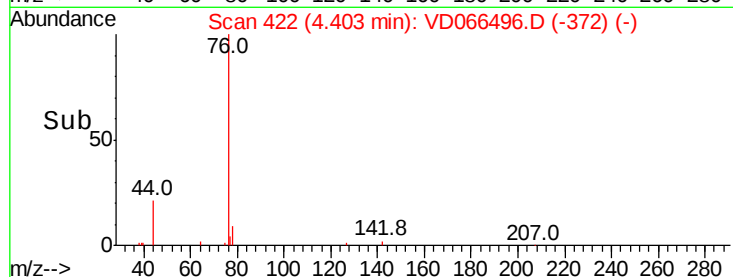
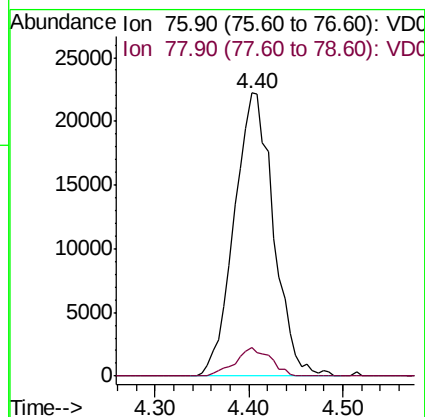
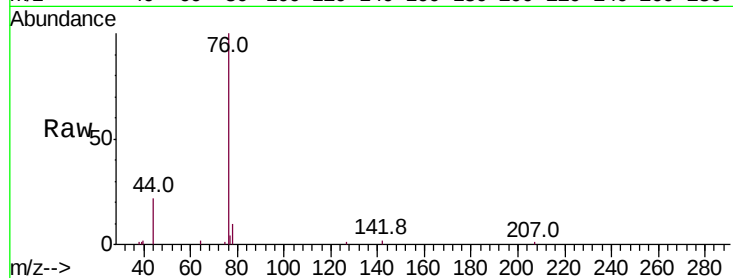
VD0901SBSD01

Tot Ion: 76 Resp: 64330

Ion Ratio Lower Upper

76 100

78 10.2 7.7 11.5



#18

Methyl Acetate

Concen: 16.664 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066496.D

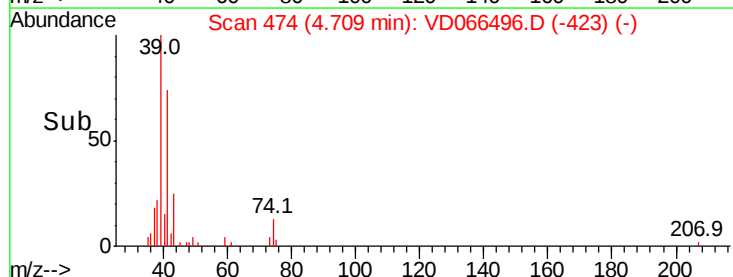
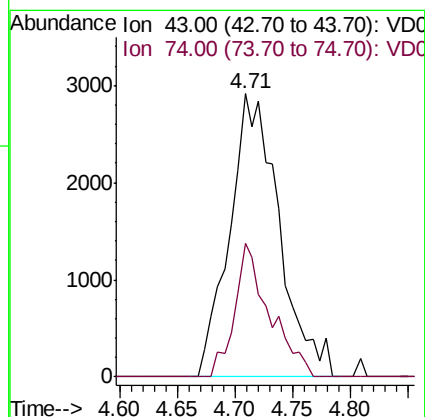
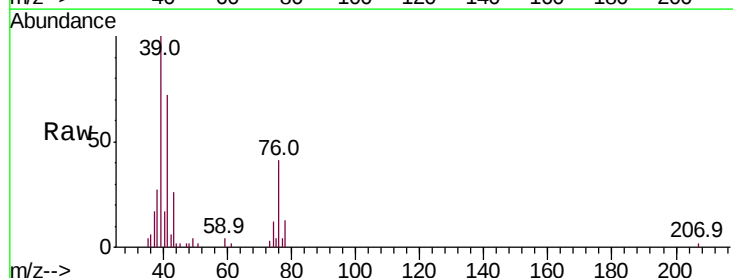
Acq: 01 Sep 2020 15:16

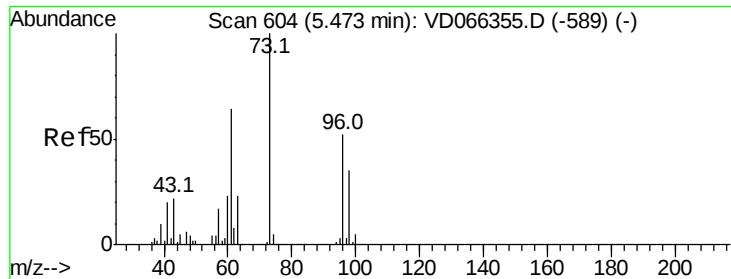
Tgt Ion: 43 Resp: 8692

Ion Ratio Lower Upper

43 100

74 33.3 21.0 31.6#

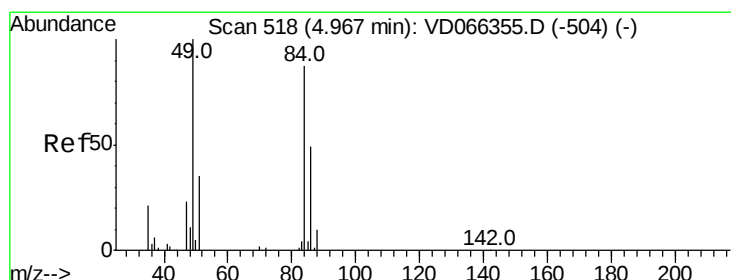
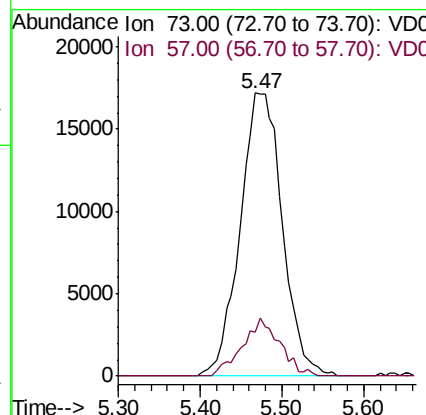
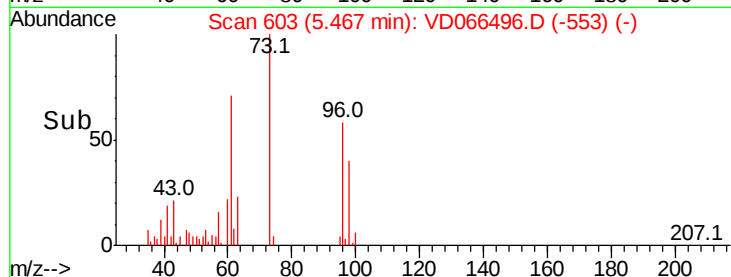
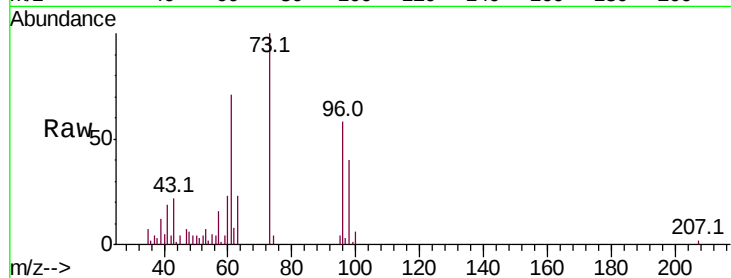




#19
Methvl tert-butvl Ether
Concen: 19.977 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

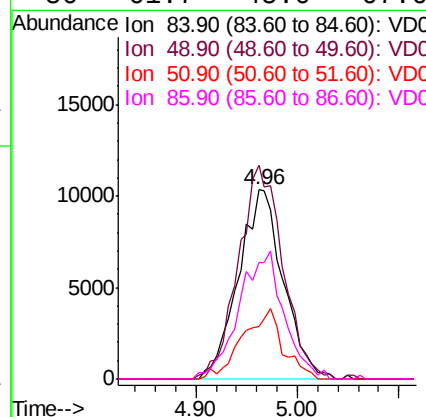
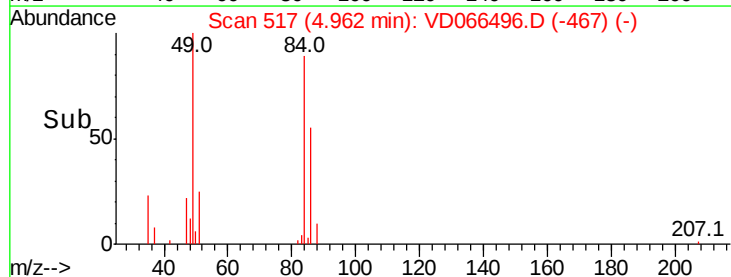
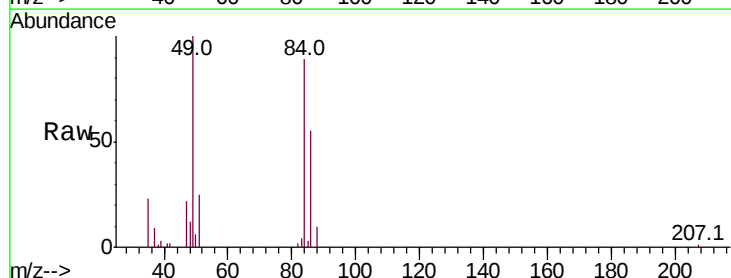
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

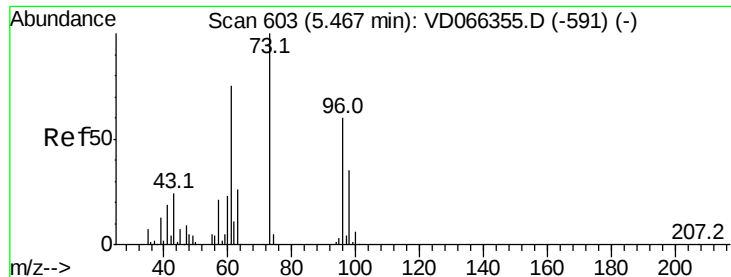
Tot Ion: 73 Resp: 61645
Ion Ratio Lower Upper
73 100
57 15.6 13.8 20.6



#20
Methylene Chloride
Concen: 17.297 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 84 Resp: 31838
Ion Ratio Lower Upper
84 100
49 112.8 92.5 138.7
51 28.1 32.5 48.7#
86 61.7 45.0 67.6

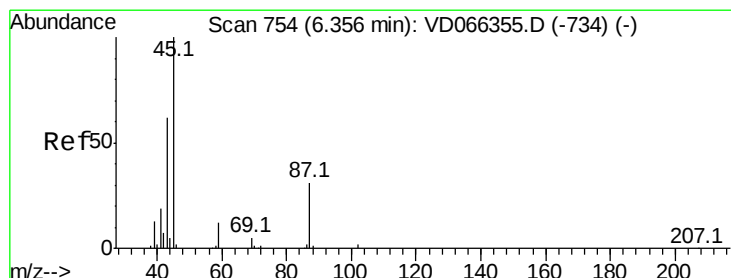
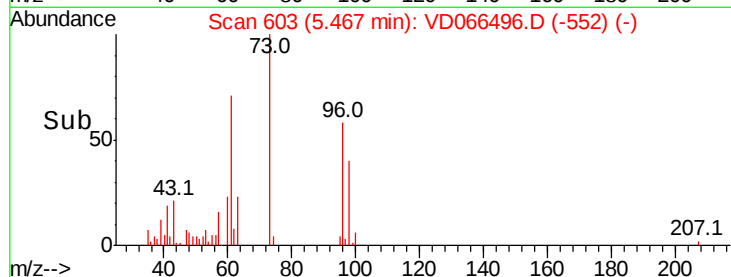
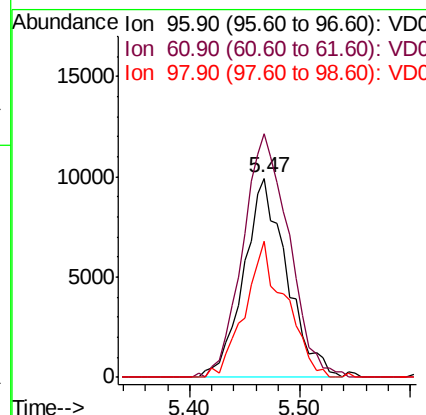
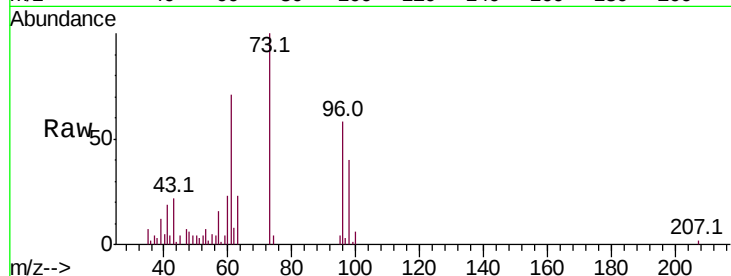




#21
trans-1,2-Dichloroethene
Concen: 18.225 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

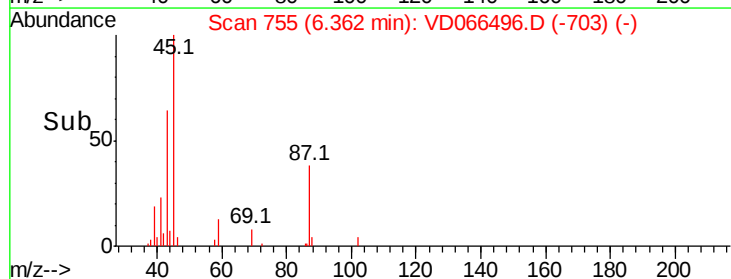
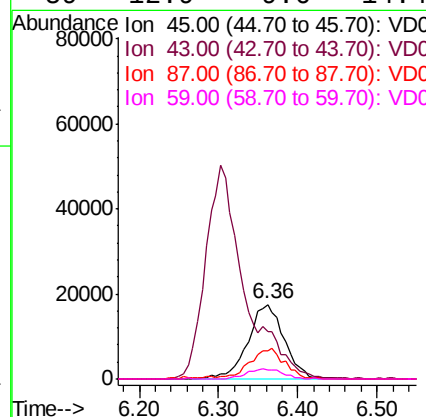
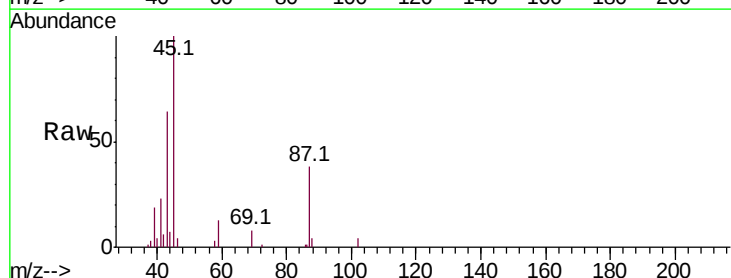
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

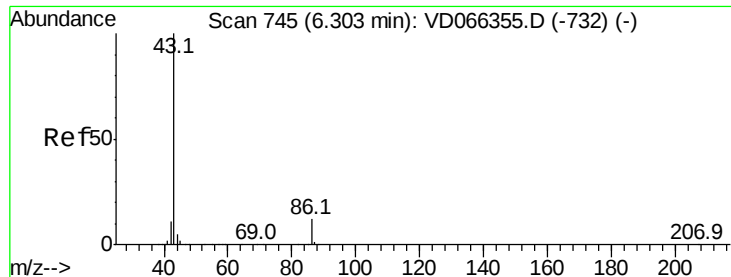
Tot Ion: 96 Resp: 27187
Ion Ratio Lower Upper
96 100
61 122.3 101.1 151.7
98 68.7 47.0 70.6



#22
Diisopropyl ether
Concen: 16.762 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 45 Resp: 55511
Ion Ratio Lower Upper
45 100
43 62.6 49.8 74.8
87 37.5 25.0 37.6
59 12.9 9.6 14.4





#23

Vinyl Acetate

Concen: 83.459 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

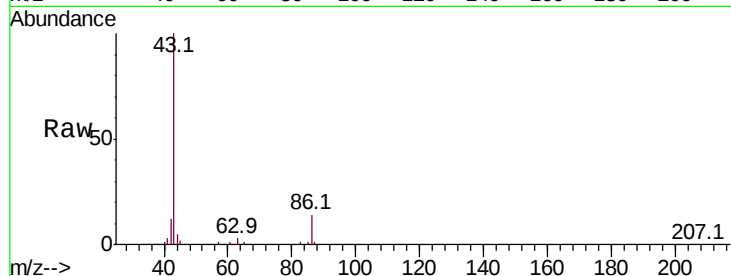
VD0901SBS01

Tot Ion: 43 Resp: 171103

Ion Ratio Lower Upper

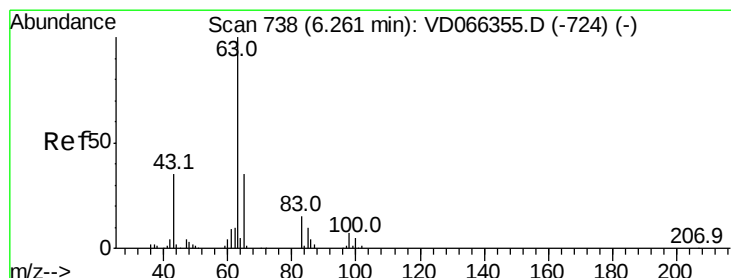
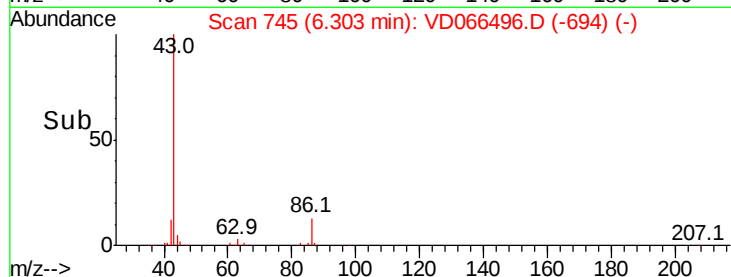
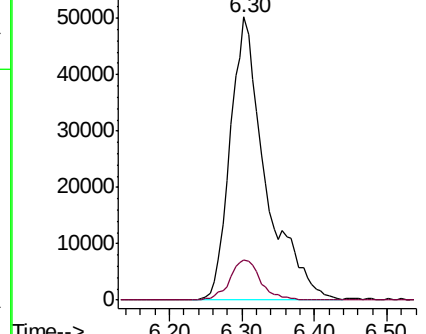
43 100

86 14.0 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.737 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

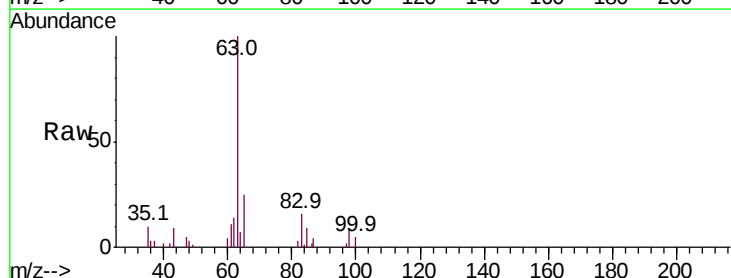
Tgt Ion: 63 Resp: 43851

Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.6

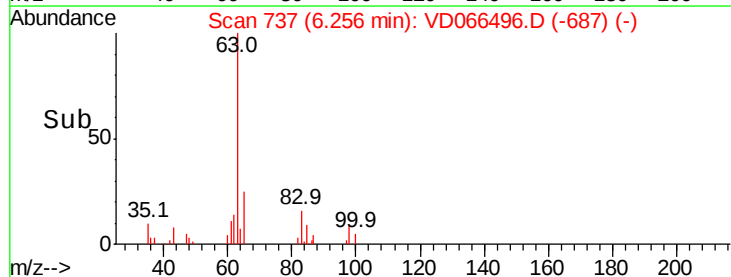
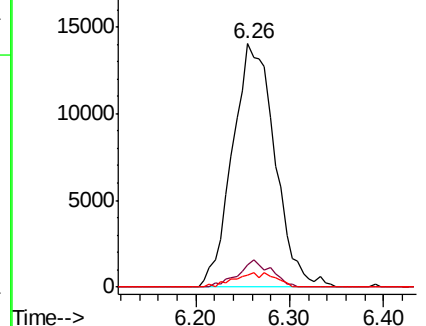
100 4.9 2.5 7.6

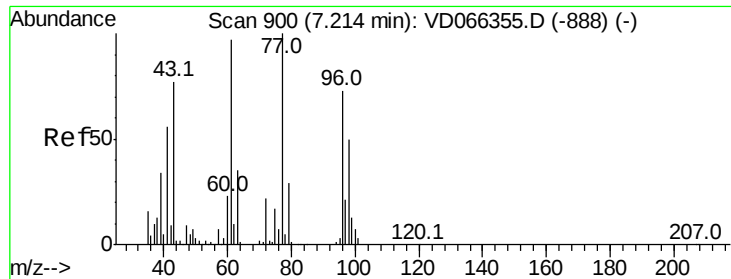


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

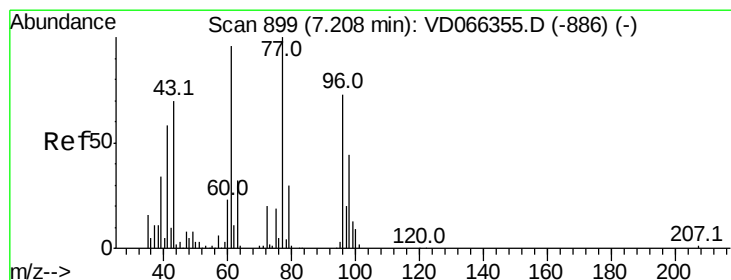
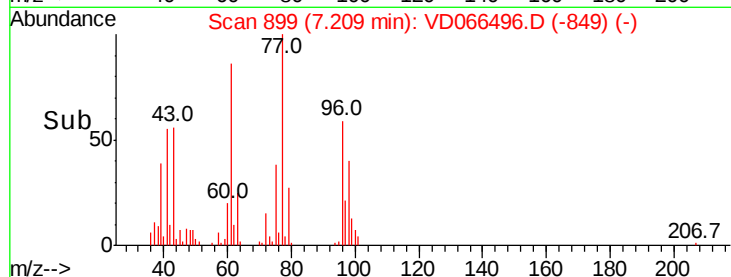
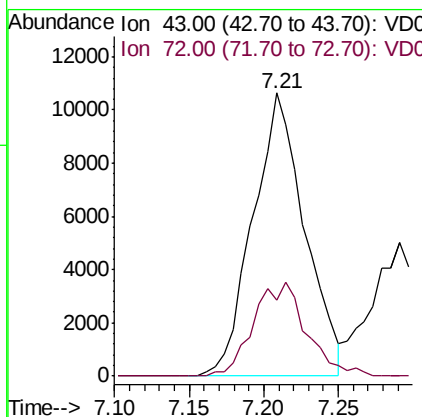
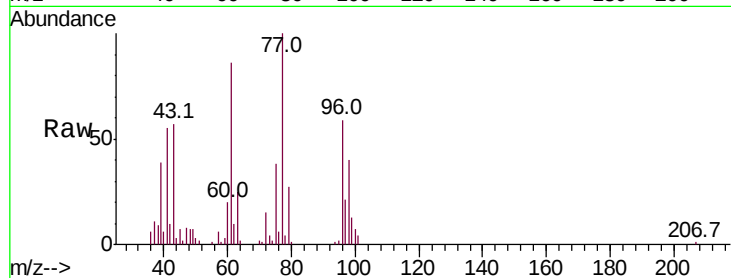




#25
2-Butanone
Concen: 81.209 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

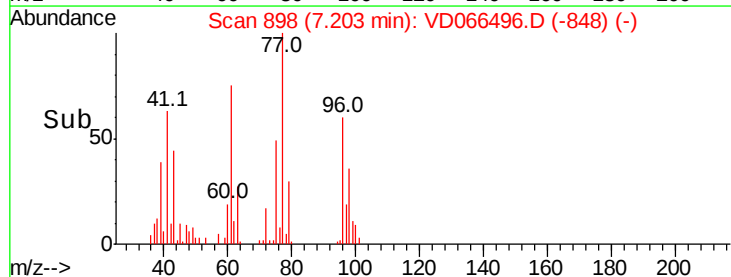
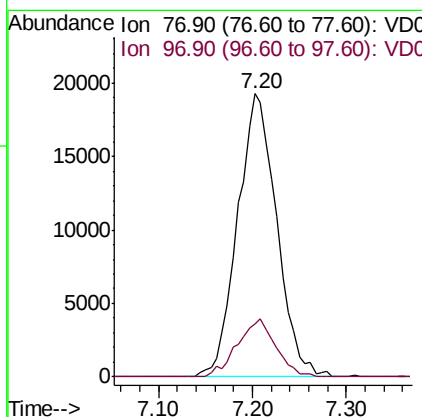
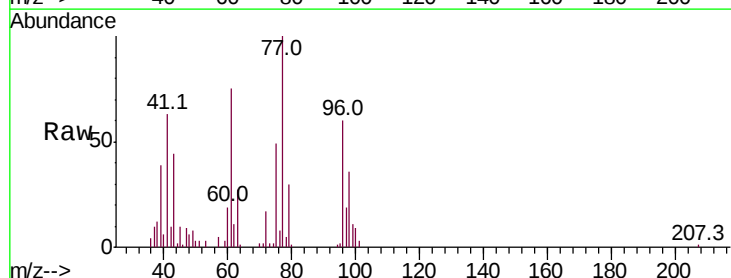
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

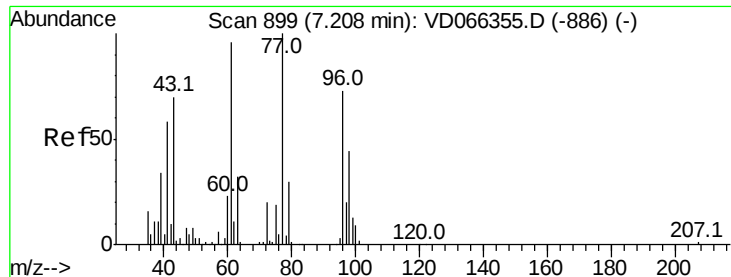
Tot Ion: 43 Resp: 25621
Ion Ratio Lower Upper
43 100
72 27.1 22.5 33.7



#26
2,2-Dichloropropane
Concen: 22.101 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 77 Resp: 55436
Ion Ratio Lower Upper
77 100
97 20.1 10.7 31.9



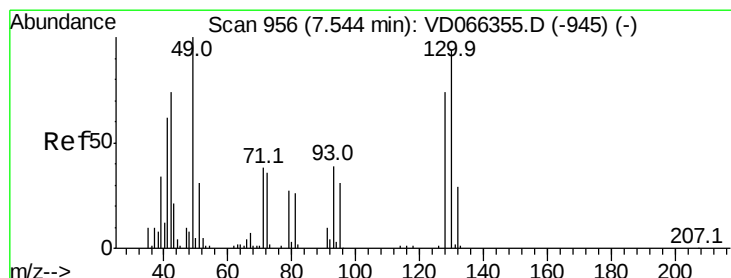
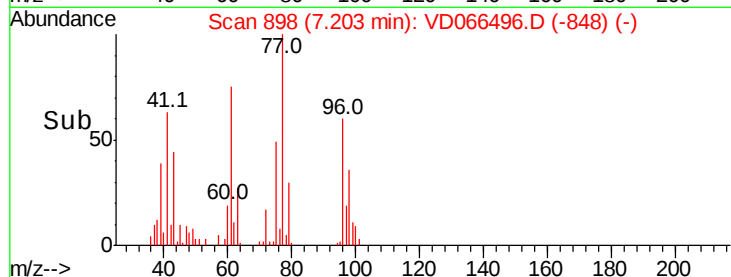
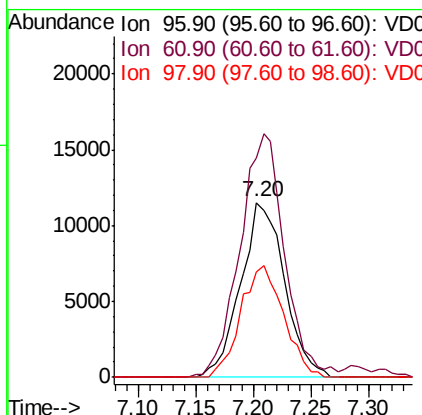
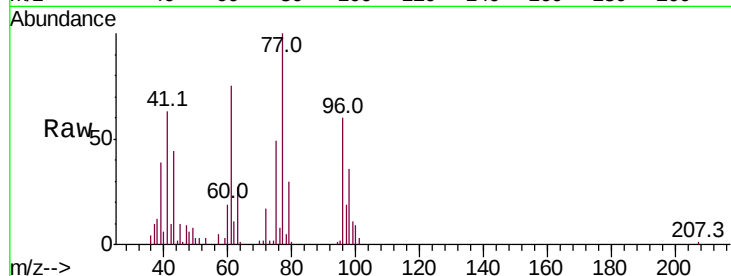


#27

cis-1,2-Dichloroethene
Concen: 19.134 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

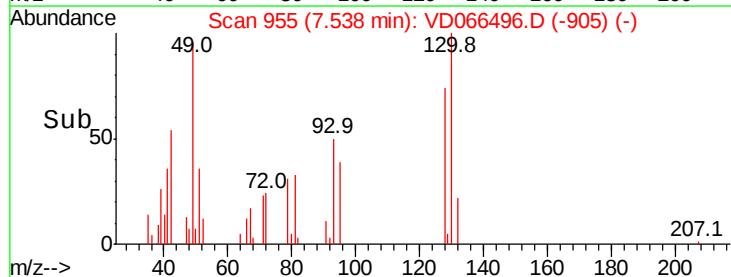
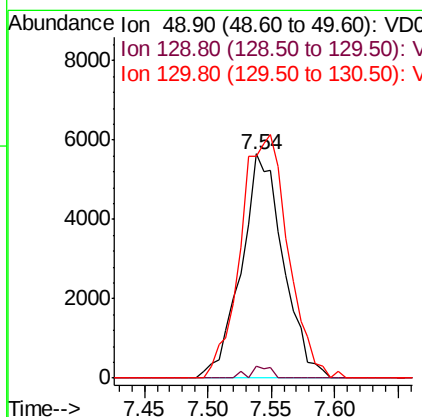
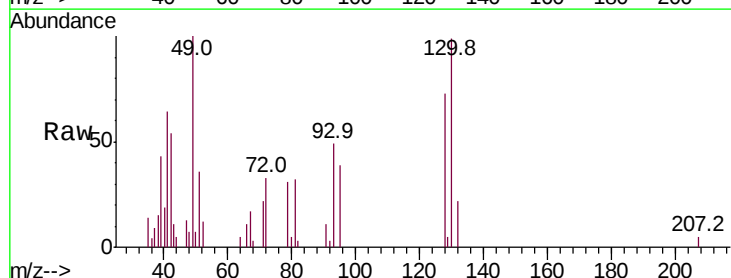
Tot Ion: 96 Resp: 30583
Ion Ratio Lower Upper
96 100
61 141.1 0.0 281.4
98 62.1 0.0 132.2

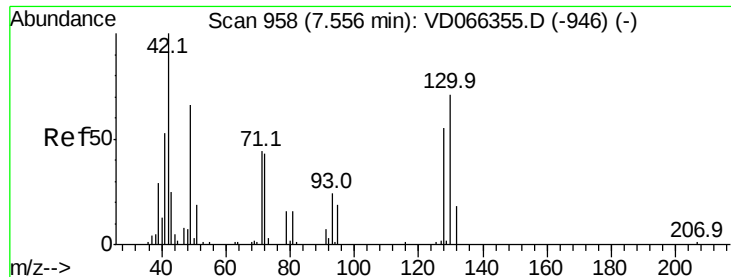


#28

Bromochloromethane
Concen: 16.171 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 49 Resp: 13036
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.0
130 122.5 82.6 124.0

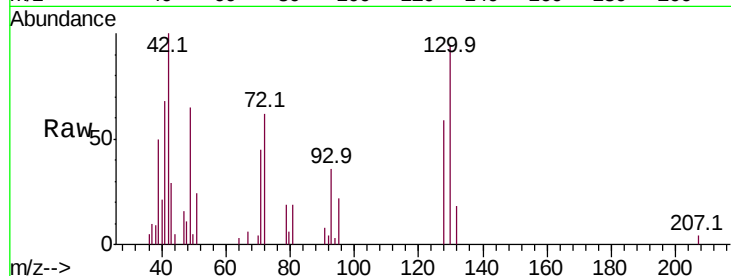




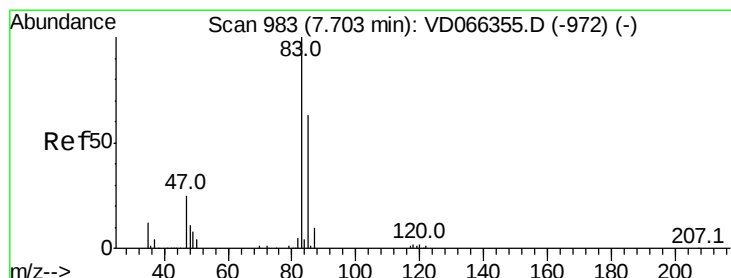
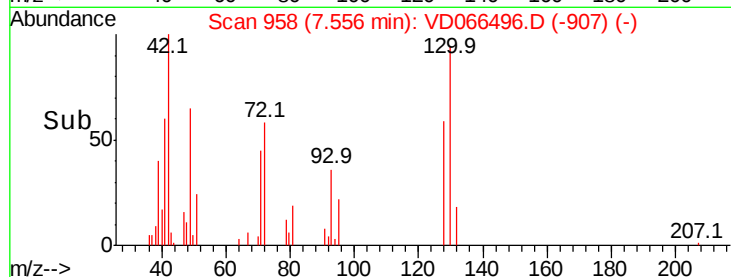
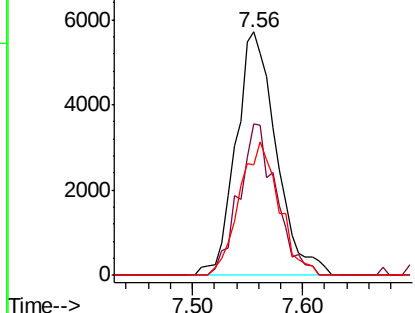
#29
Tetrahydrofuran
Concen: 81.787 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

Tot Ion: 42 Resp: 14656
Ion Ratio Lower Upper
42 100
72 57.1 41.0 61.4
71 54.0 37.2 55.8

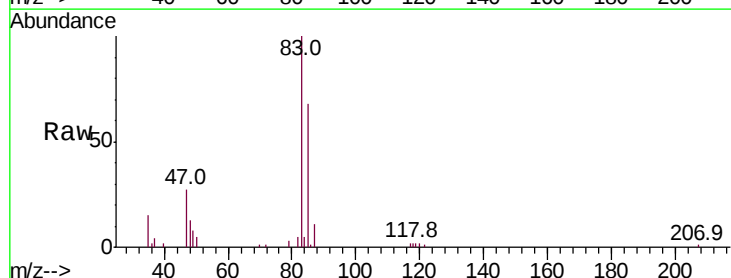


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

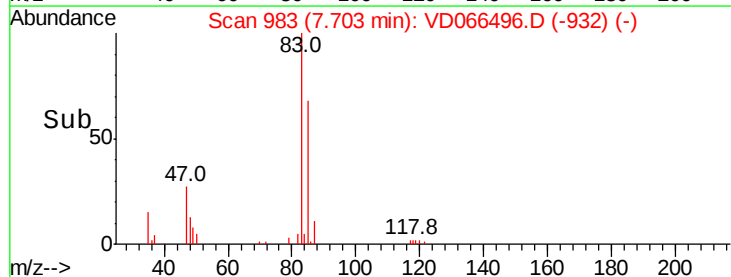
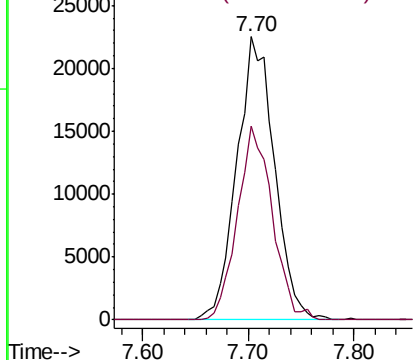


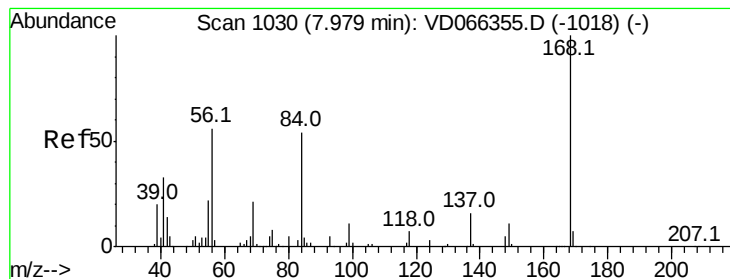
#30
Chloroform
Concen: 20.528 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 83 Resp: 55584
Ion Ratio Lower Upper
83 100
85 68.4 50.3 75.5



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





#31

Cyclohexane

Concen: 16.339 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

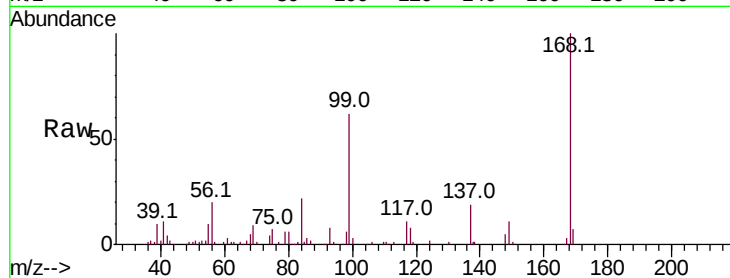
Tot Ion: 56 Resp: 34972

Ion Ratio Lower Upper

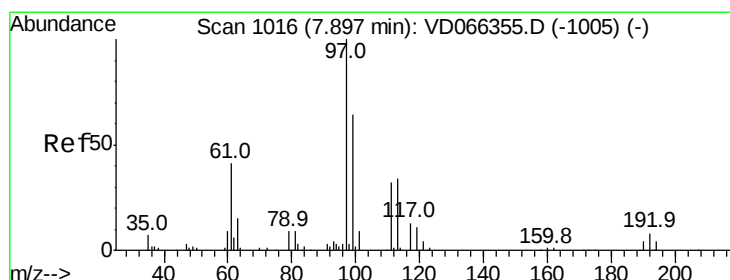
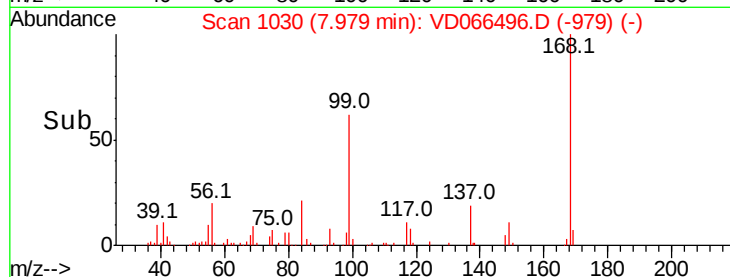
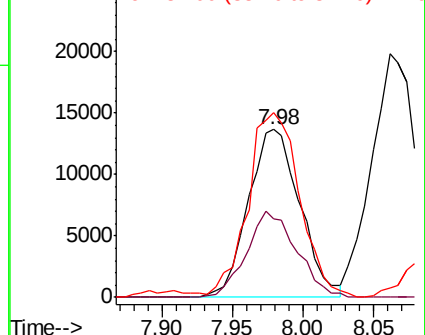
56 100

69 47.0 29.6 44.4#

84 107.3 76.6 115.0



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: 22.201 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

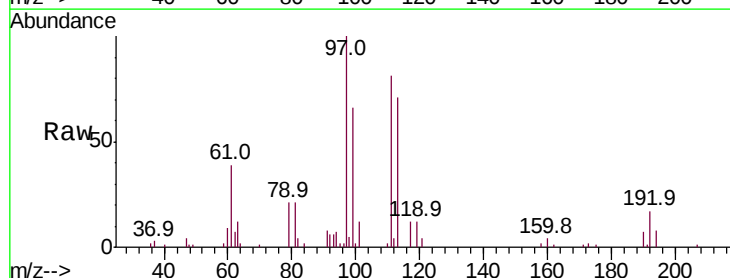
Tgt Ion: 97 Resp: 61525

Ion Ratio Lower Upper

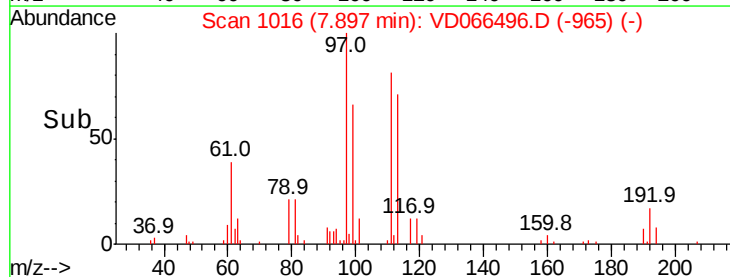
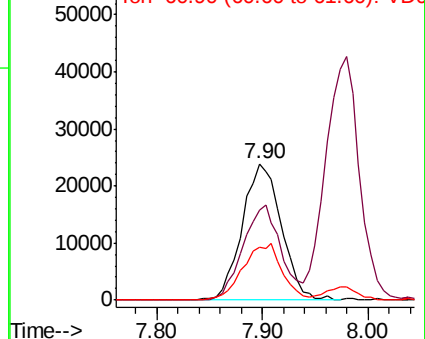
97 100

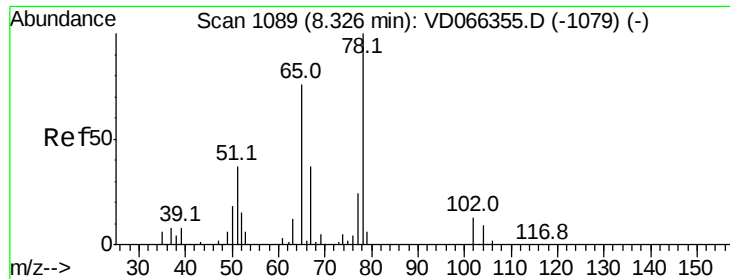
99 67.6 51.5 77.3

61 41.1 33.3 49.9



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

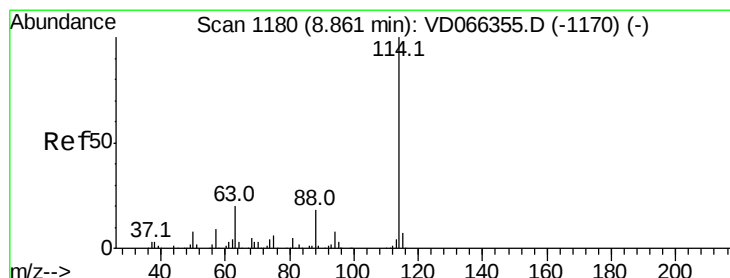
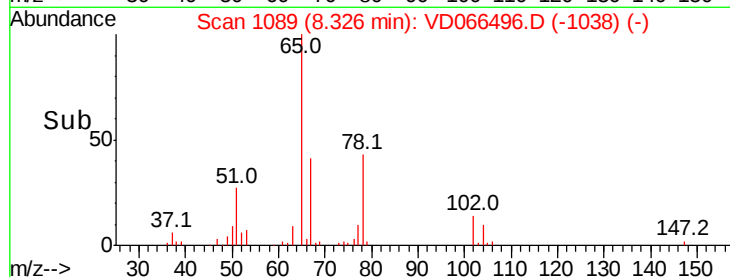
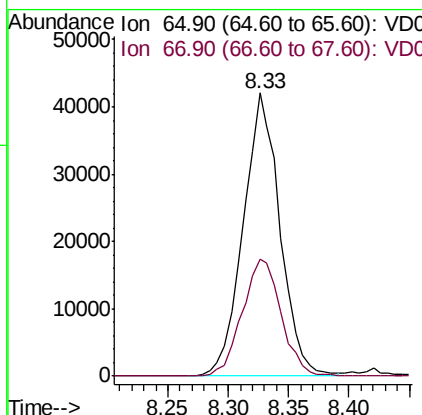
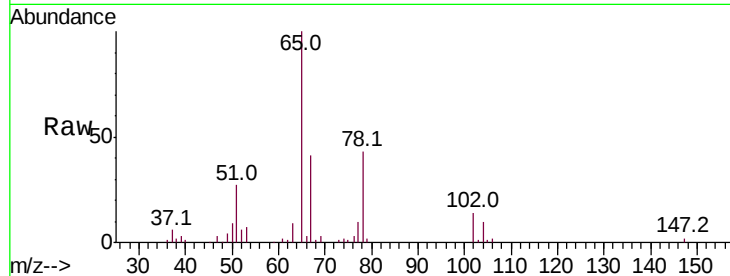




#33
 1,2-Dichloroethane-d4
 Concen: 57.733 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

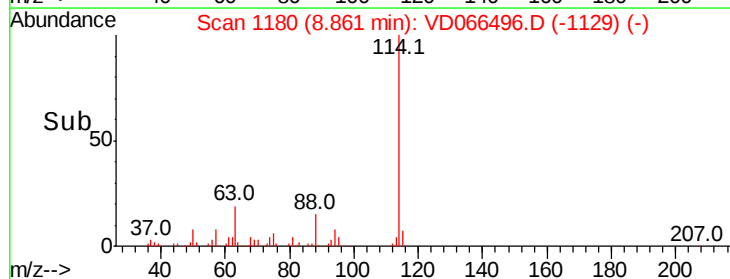
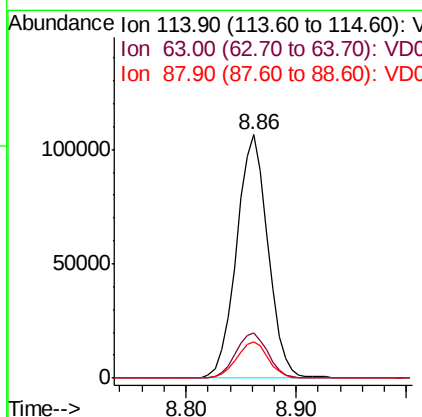
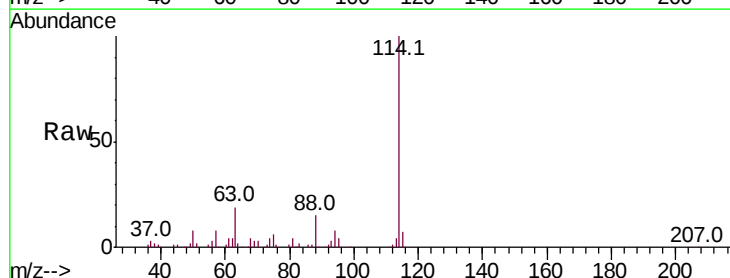
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBSD01

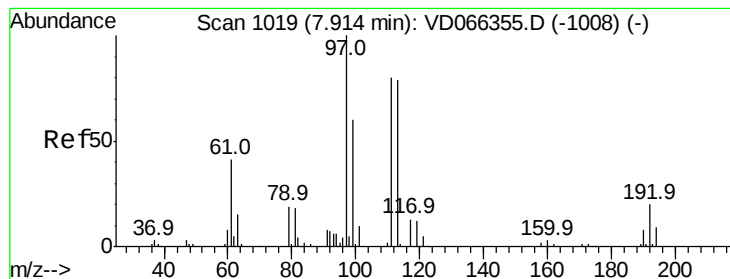
Tot Ion: 65 Resp: 88996
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Tgt Ion:114 Resp: 212934
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.8
 88 14.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.770 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

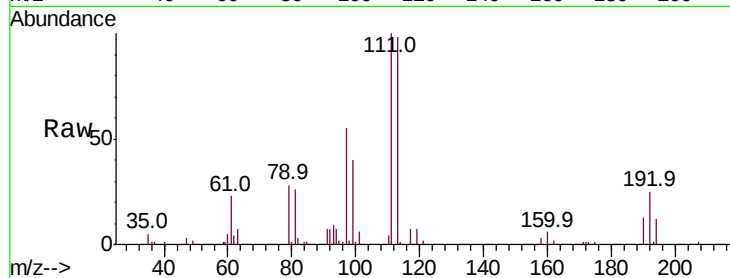
Tot Ion:113 Resp: 67600

Ion Ratio Lower Upper

113 100

111 103.2 80.3 120.5

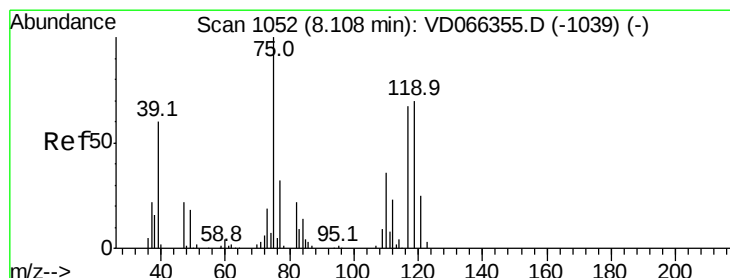
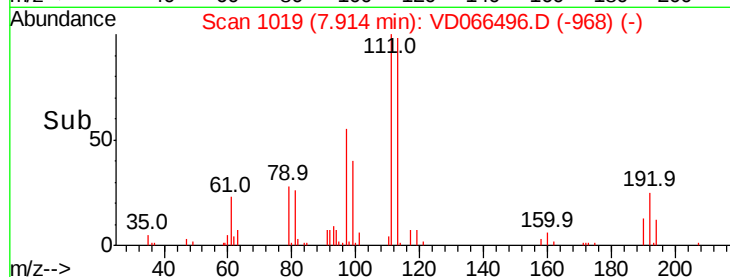
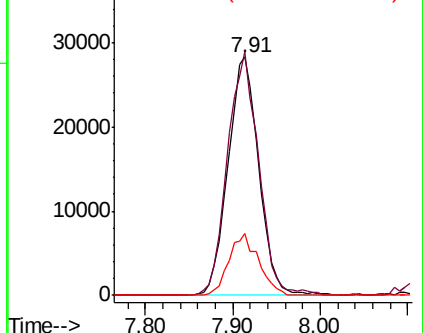
192 24.9 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.365 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

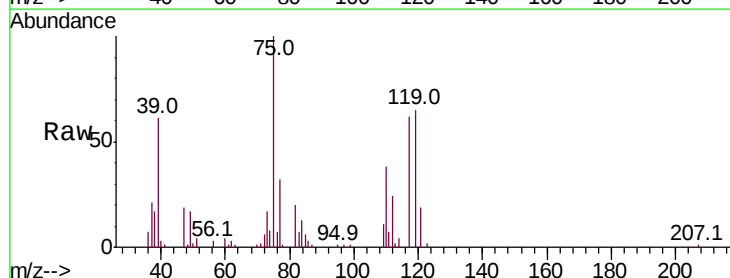
Tgt Ion: 75 Resp: 37623

Ion Ratio Lower Upper

75 100

110 38.0 18.7 56.1

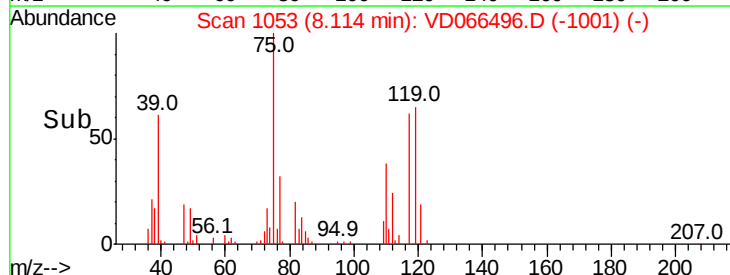
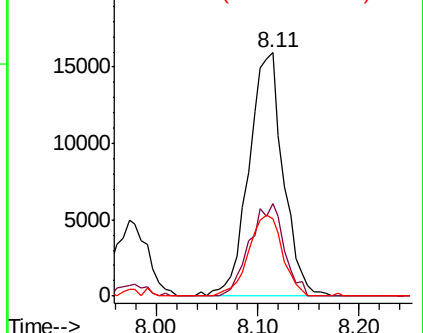
77 32.8 25.2 37.8

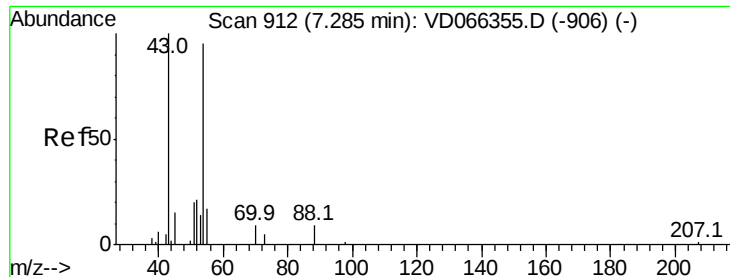


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

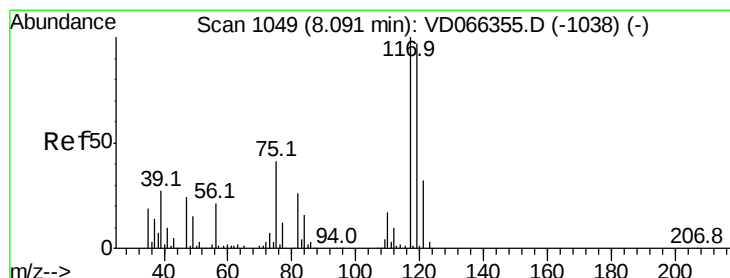
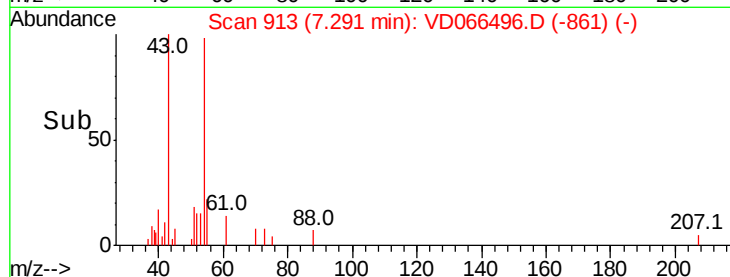
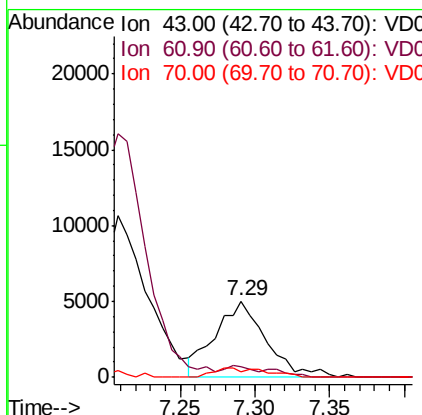
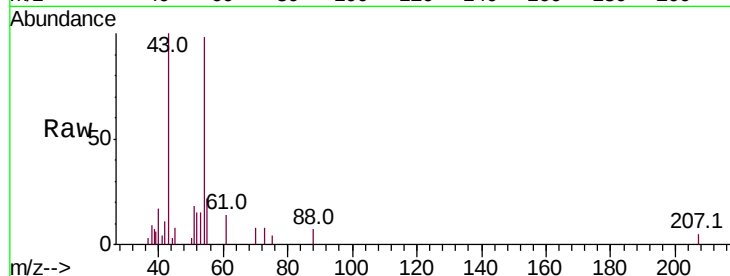




#37
Ethyl Acetate
Concen: 18.078 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

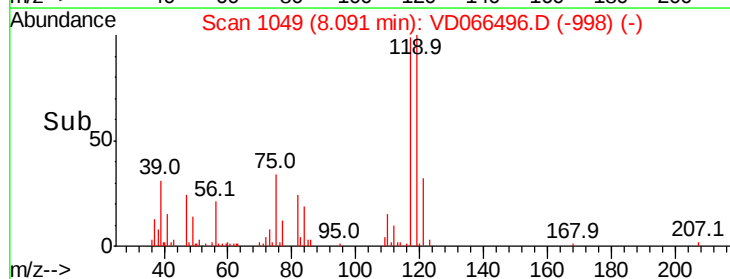
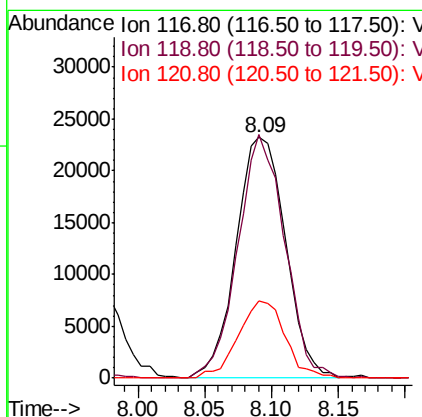
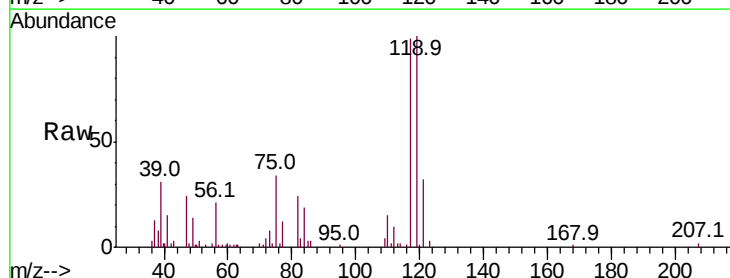
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

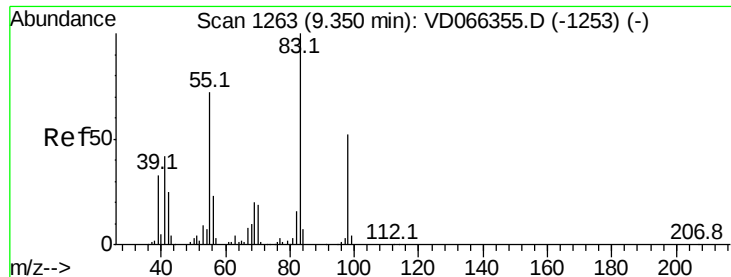
Tot Ion: 43 Resp: 11946
Ion Ratio Lower Upper
43 100
61 0.0 13.3 19.9#
70 12.9 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 23.568 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 117 Resp: 59658
Ion Ratio Lower Upper
117 100
119 101.1 77.2 115.8
121 32.2 25.8 38.8

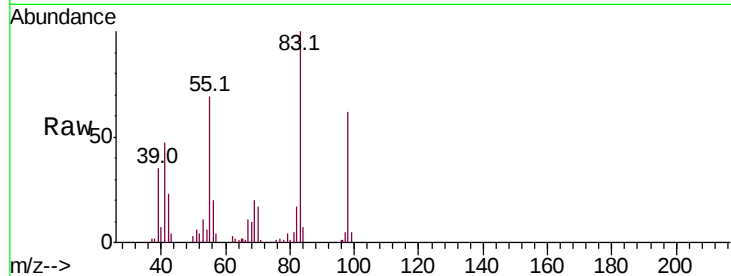




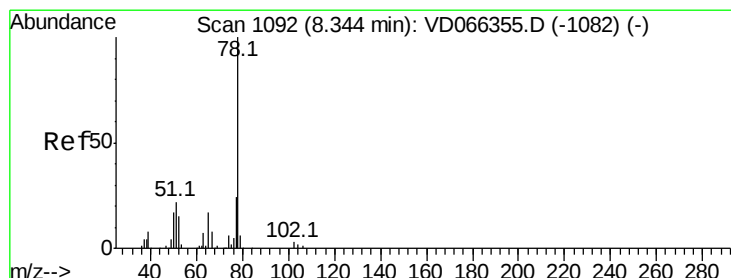
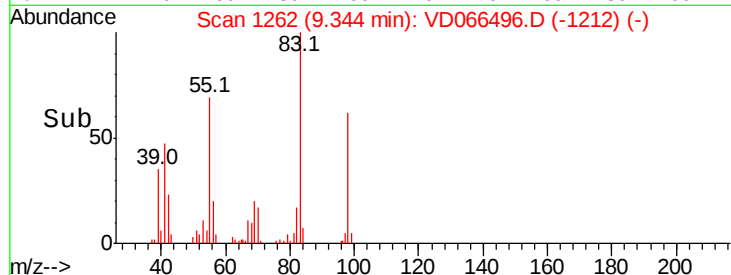
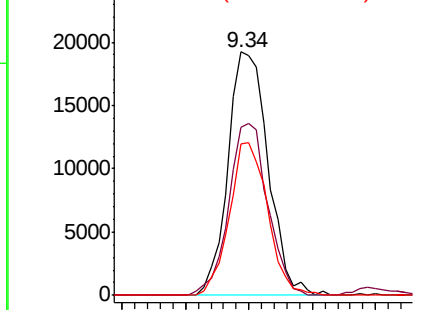
#39
Methvlcvclohexane
Concen: 18.450 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion: 83 Resp: 42227
Ion Ratio Lower Upper
83 100
55 68.8 58.0 87.0
98 62.2 41.9 62.9

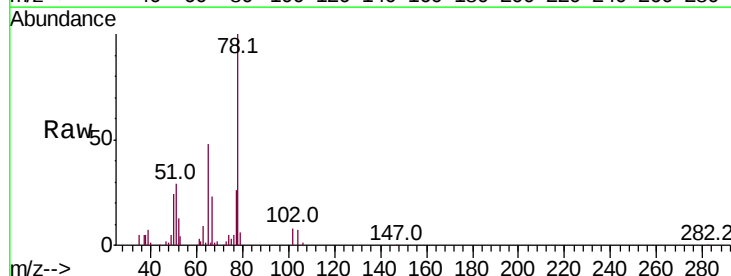


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

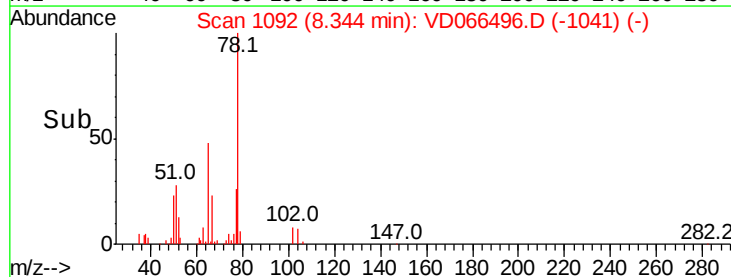
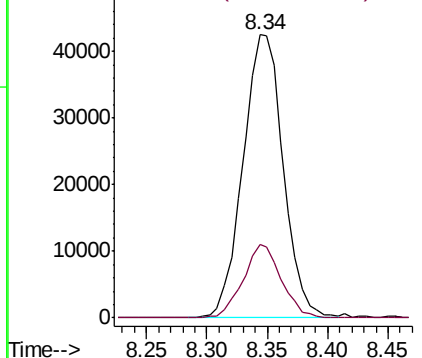


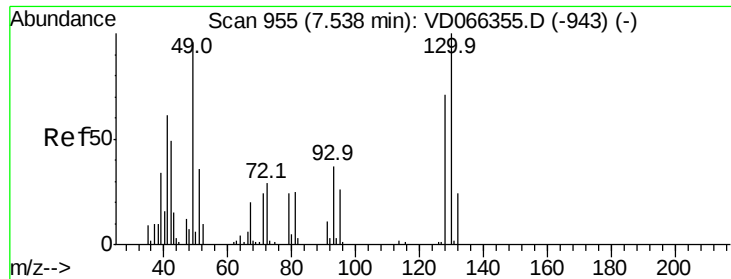
#40
Benzene
Concen: 19.329 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 78 Resp: 98794
Ion Ratio Lower Upper
78 100
77 25.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

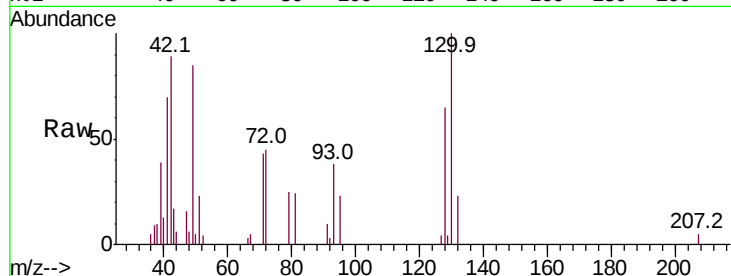




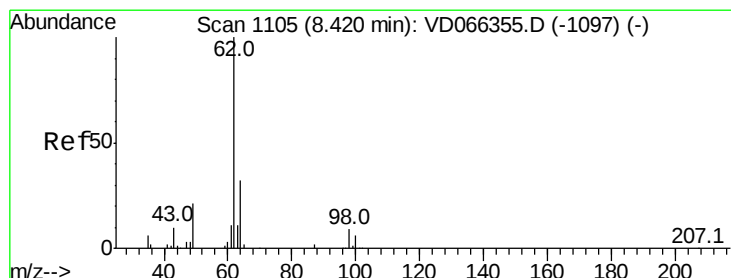
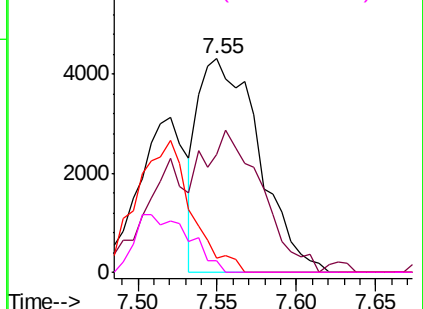
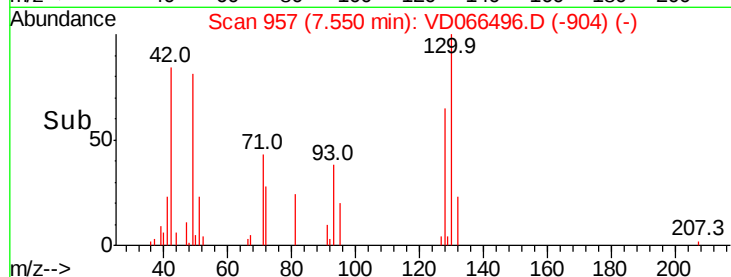
#41
Methacrylonitrile
Concen: 28.250 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion: 41 Resp: 11512
Ion Ratio Lower Upper
41 100
39 65.0 51.8 77.8
67 0.0 0.0 0.0
52 0.0 0.0 0.0

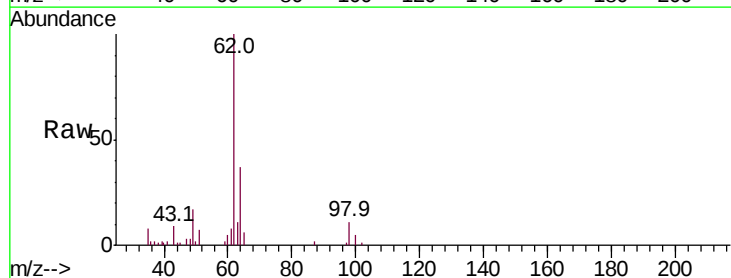


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

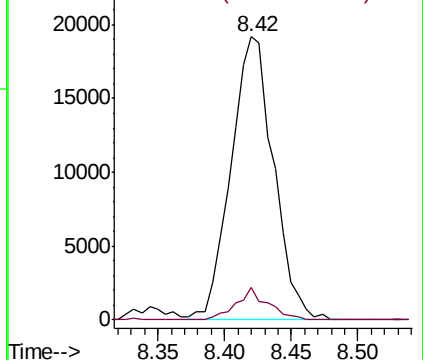
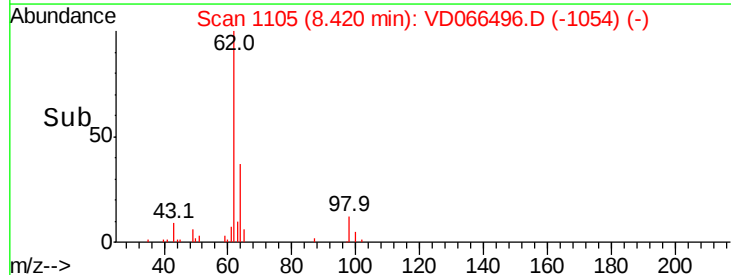


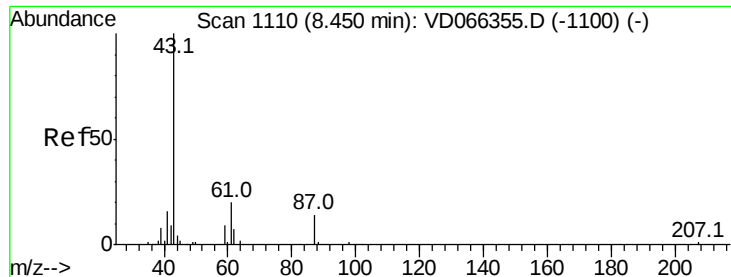
#42
1,2-Dichloroethane
Concen: 23.667 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 62 Resp: 42605
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.2



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





#43

Isopropyl Acetate

Concen: 18.683 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

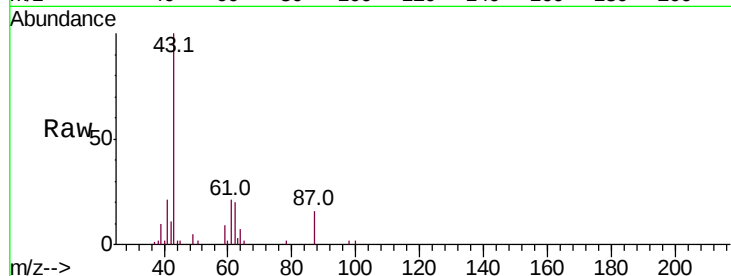
MSVOA_D

ClientSampleId :

VD0901SBS01

Tot Ion: 43 Resp: 24780

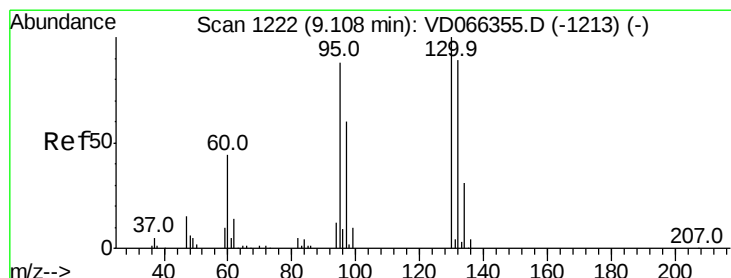
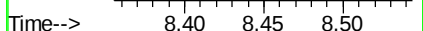
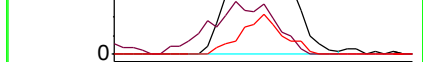
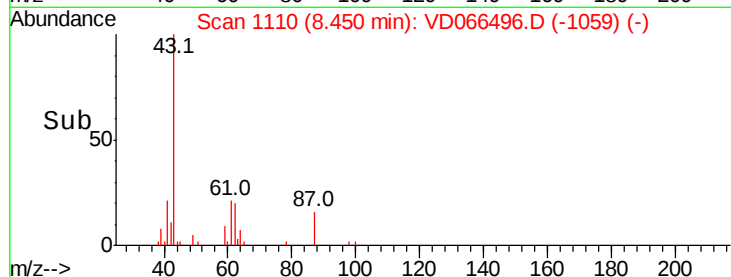
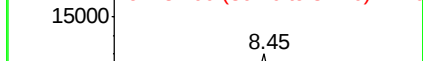
Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.5	39.7
87	15.8	11.9	17.9



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: 20.647 ug/l

RT: 9.11 min Scan# 1222

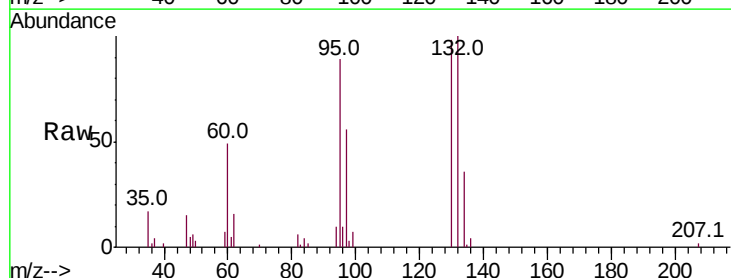
Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

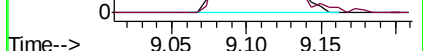
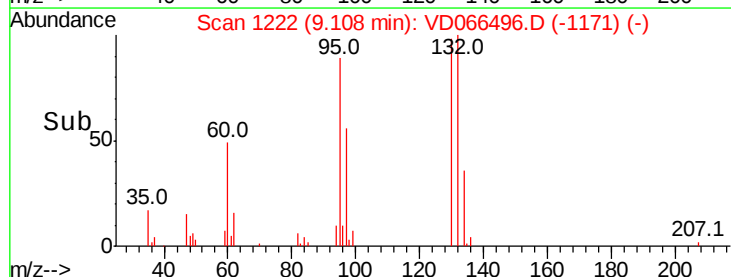
Tgt Ion:130 Resp: 34291

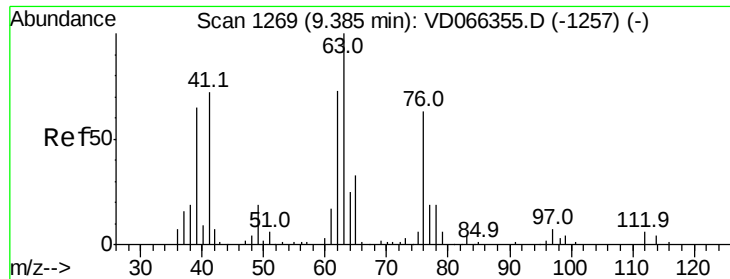
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.837 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

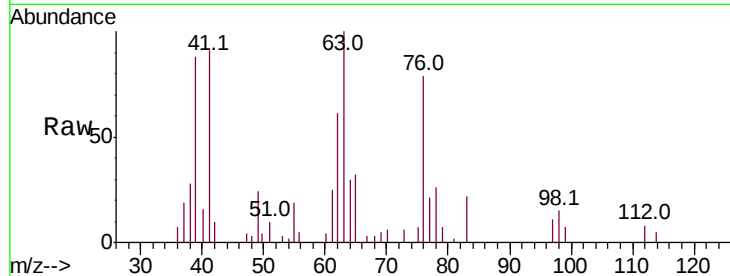
VD0901SBSD01

Tot Ion: 63 Resp: 20668

Ion Ratio Lower Upper

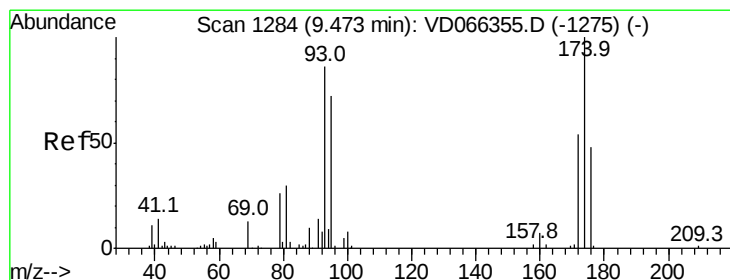
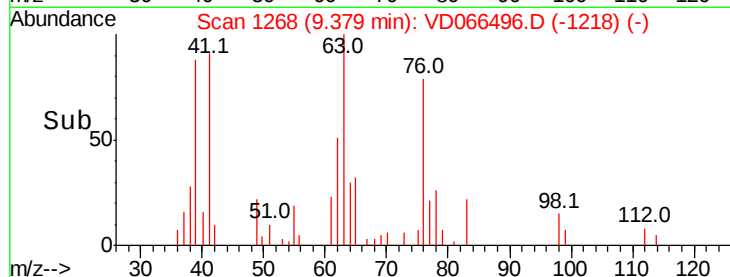
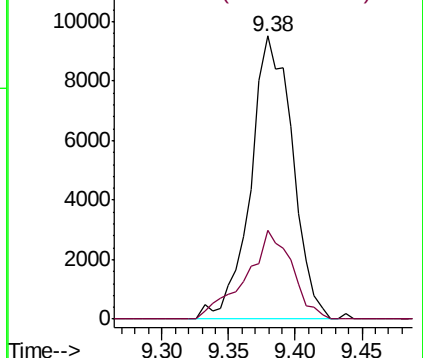
63 100

65 31.5 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.419 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

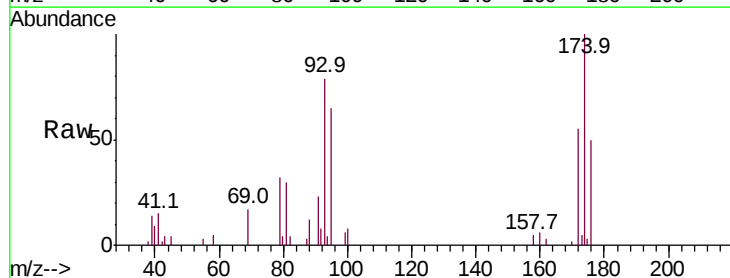
Tgt Ion: 93 Resp: 14731

Ion Ratio Lower Upper

93 100

95 77.3 66.0 99.0

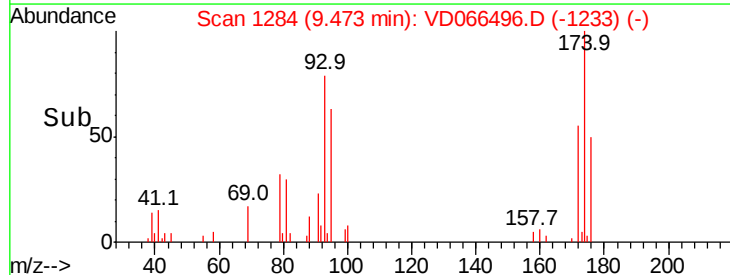
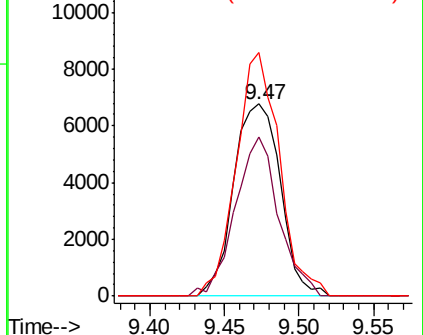
174 116.7 94.6 141.8

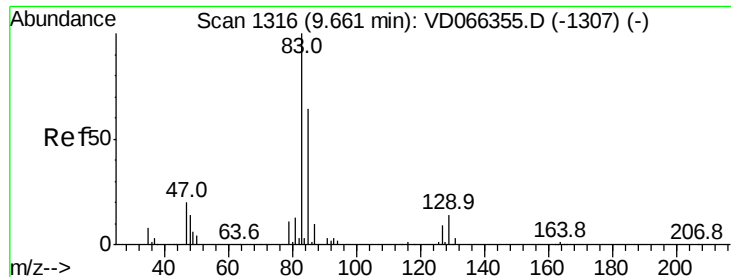


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.305 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

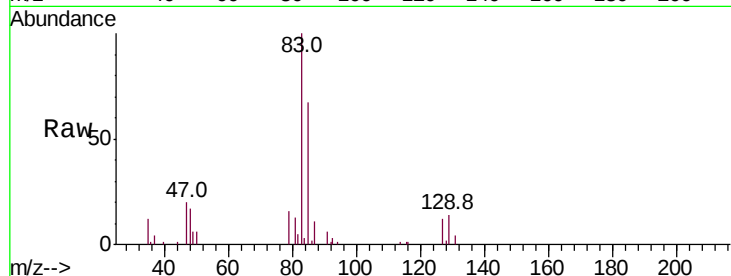
Tot Ion: 83 Resp: 42270

Ion Ratio Lower Upper

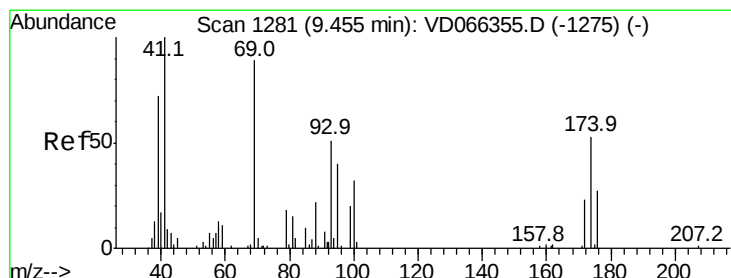
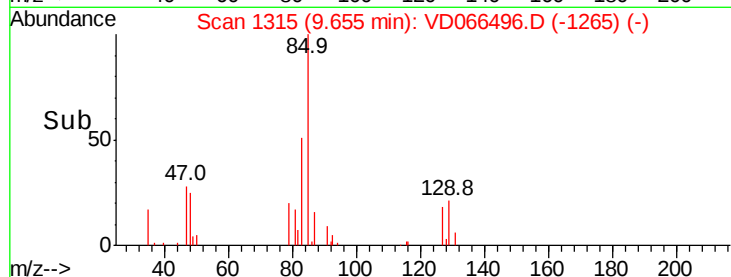
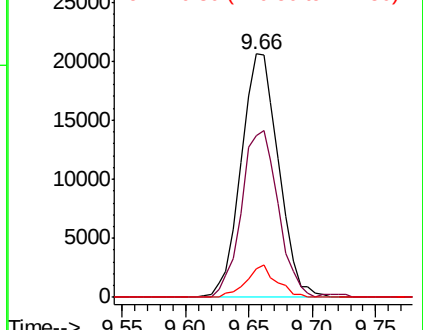
83 100

85 66.6 51.4 77.0

127 11.7 7.4 11.0#



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: 18.189 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

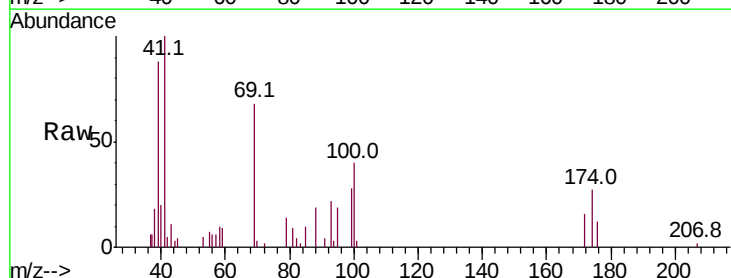
Tgt Ion: 41 Resp: 12440

Ion Ratio Lower Upper

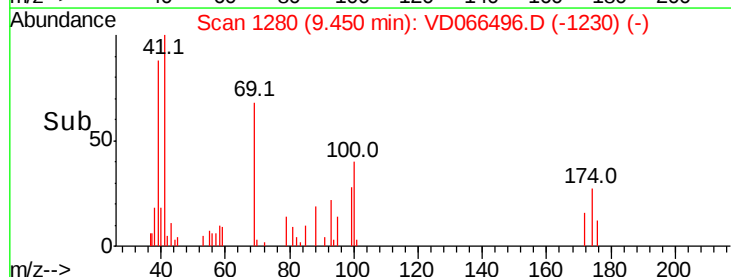
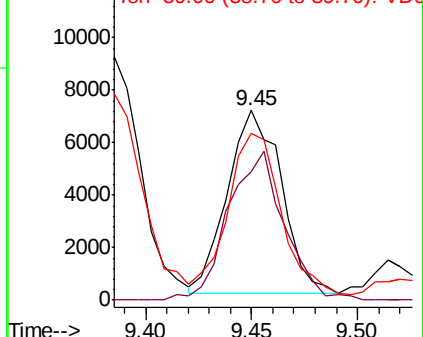
41 100

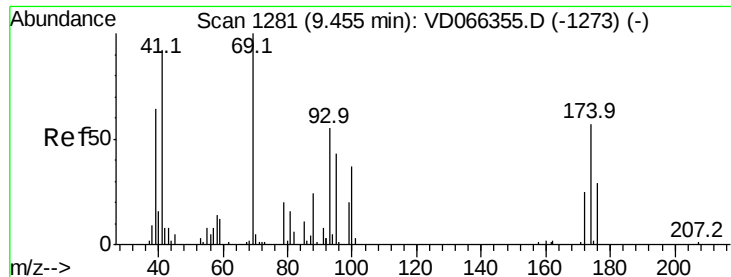
69 83.8 75.5 113.3

39 86.5 57.0 85.4#



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: 386.888 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

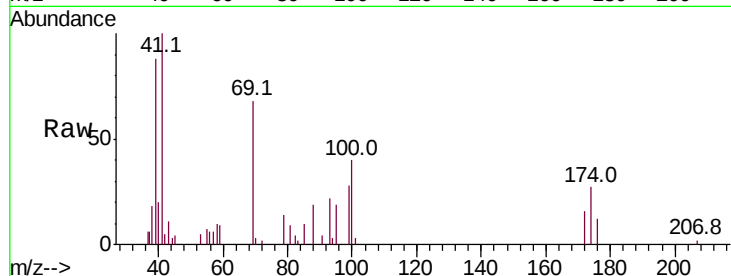
Tot Ion: 88 Resp: 3241

Ion Ratio Lower Upper

88 100

43 46.7 29.4 44.0#

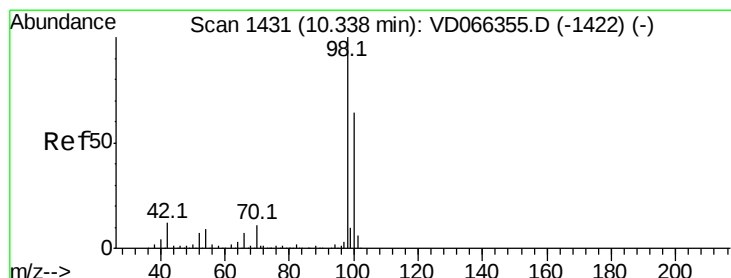
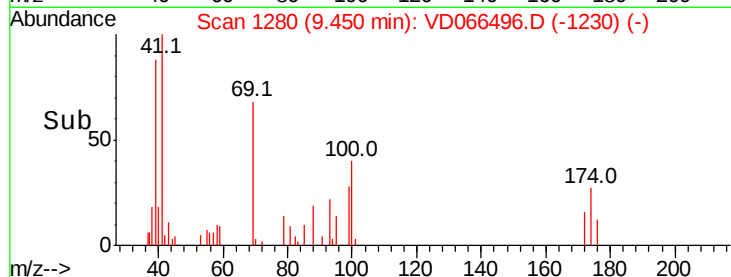
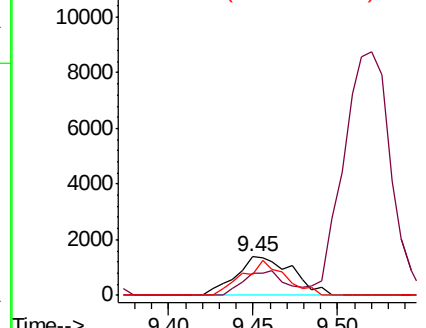
58 67.8 45.4 68.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.305 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066496.D

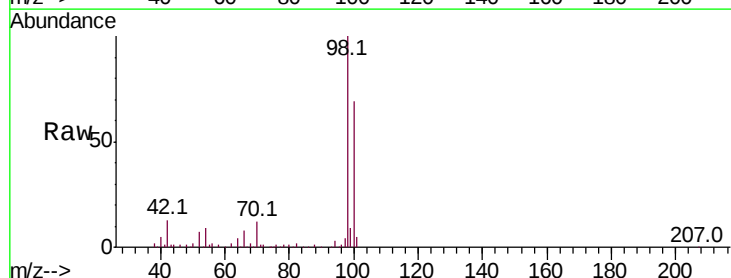
Acq: 01 Sep 2020 15:16

Tgt Ion: 98 Resp: 254817

Ion Ratio Lower Upper

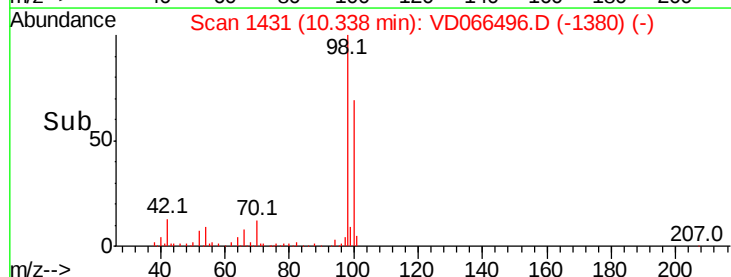
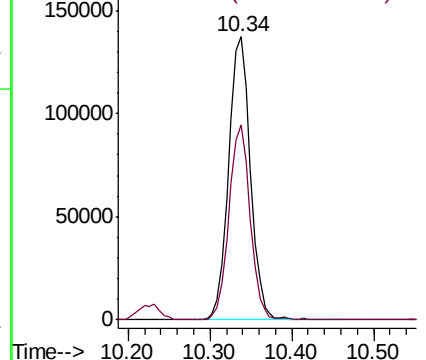
98 100

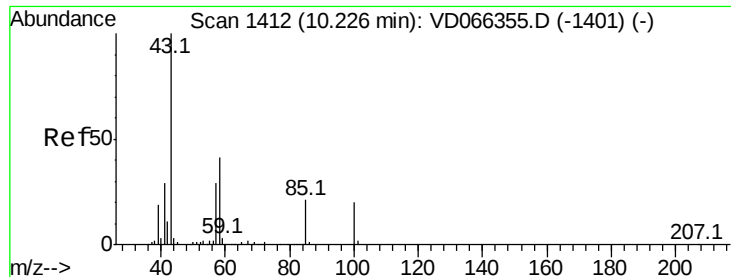
100 67.1 53.0 79.4



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: 91.140 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

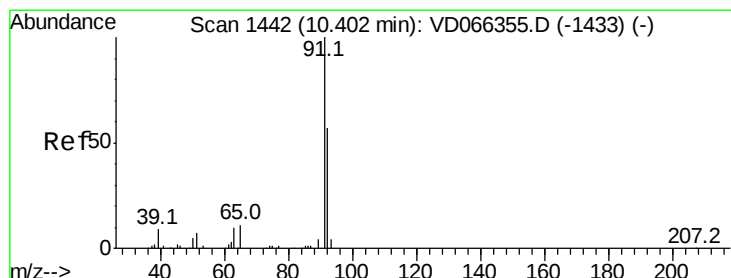
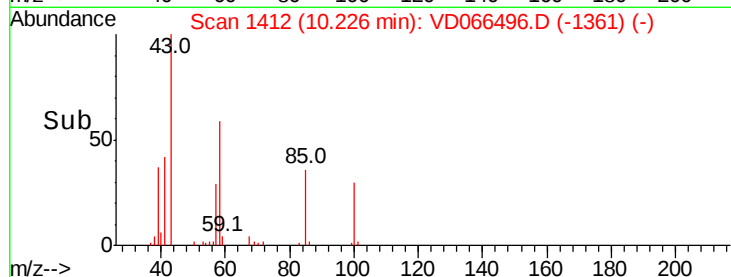
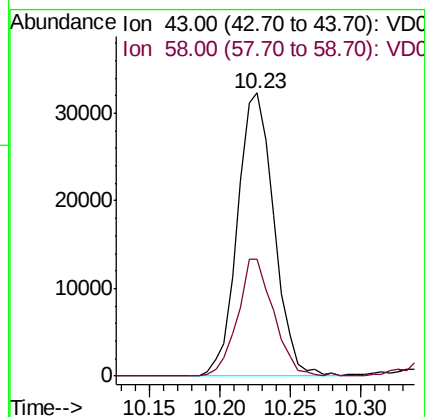
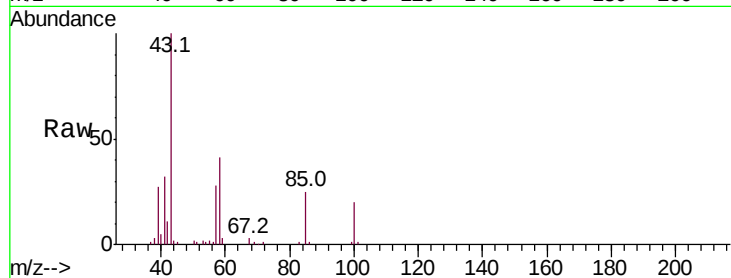
VD0901SBSD01

Tot Ion: 43 Resp: 58478

Ion Ratio Lower Upper

43 100

58 40.7 31.4 47.2



#52

Toluene

Concen: 20.398 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066496.D

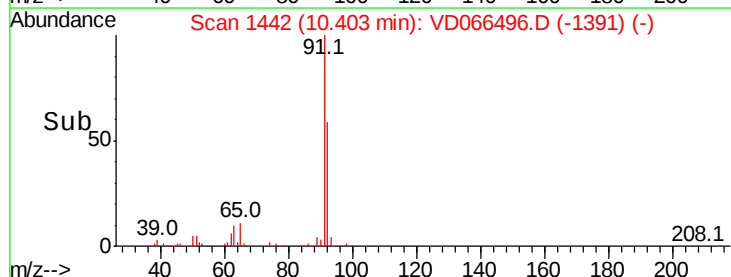
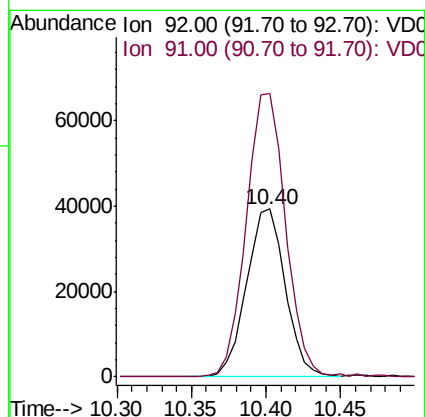
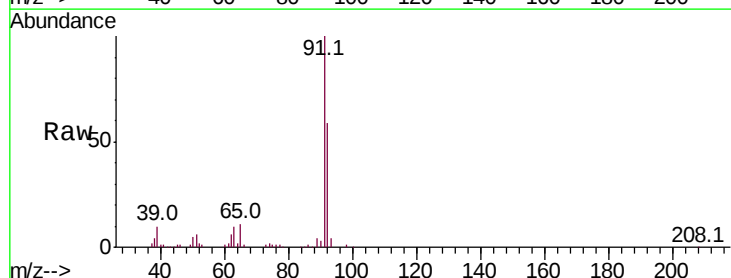
Acq: 01 Sep 2020 15:16

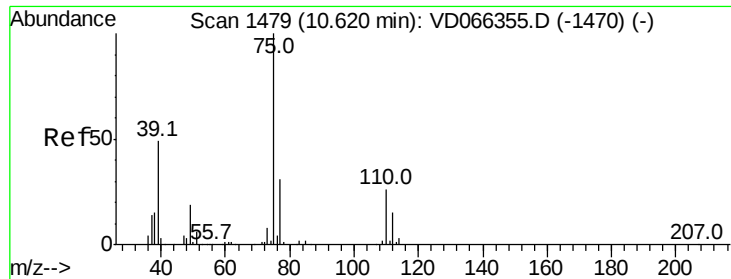
Tgt Ion: 92 Resp: 70632

Ion Ratio Lower Upper

92 100

91 172.4 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 21.361 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

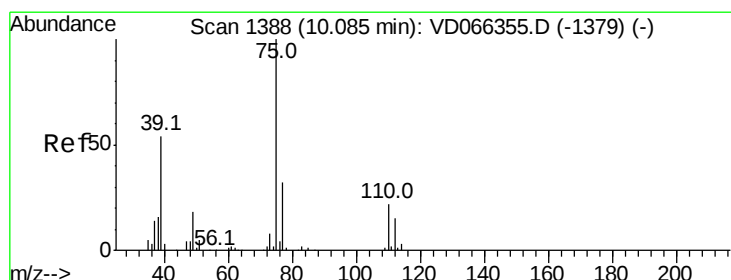
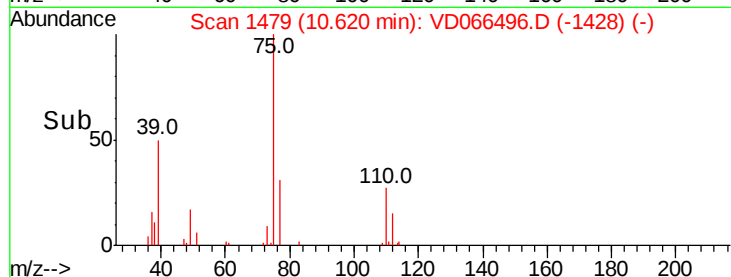
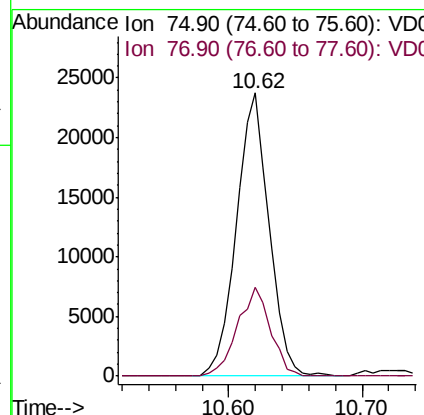
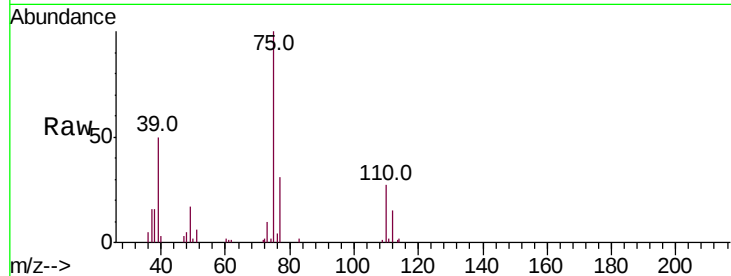
Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion: 75 Resp: 40213

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7



#54

cis-1,3-Dichloropropene

Concen: 19.617 ug/l

RT: 10.08 min Scan# 1388

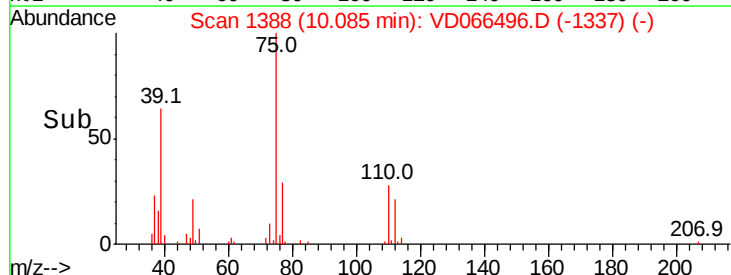
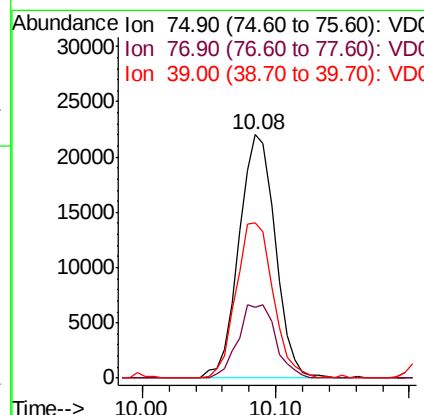
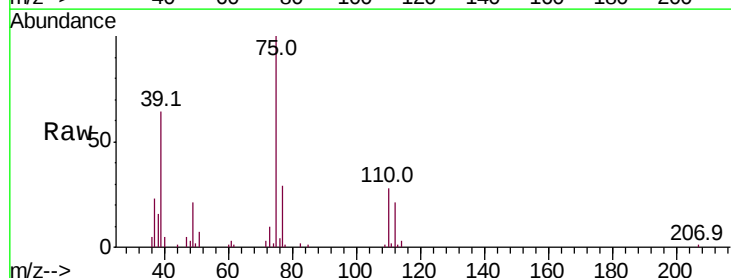
Delta R.T. 0.00 min

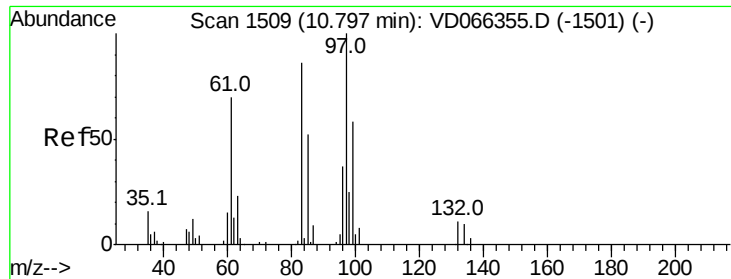
Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Tgt Ion: 75 Resp: 41453

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.6	38.4
39	64.0	43.4	65.0

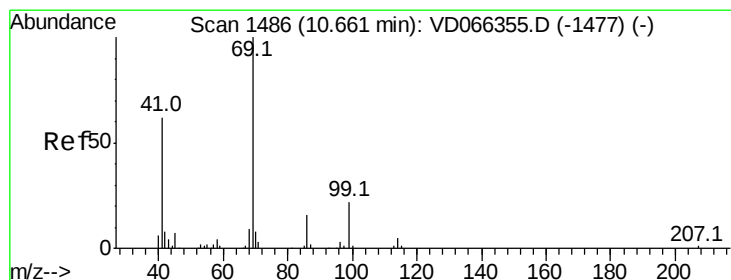
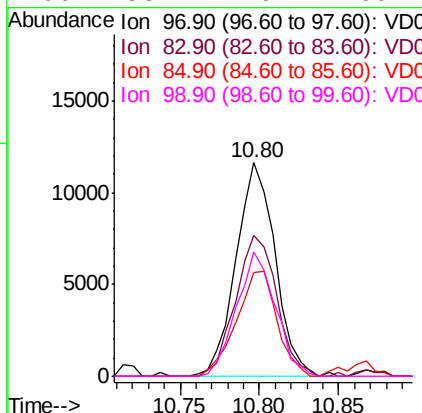
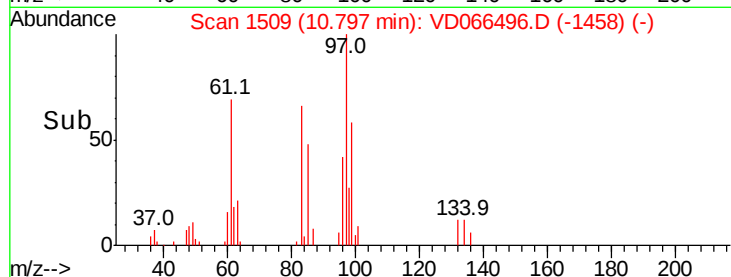
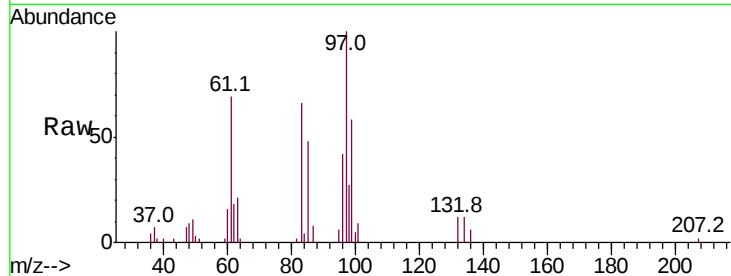




#55
 1,1,2-Trichloroethane
 Concen: 20.482 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

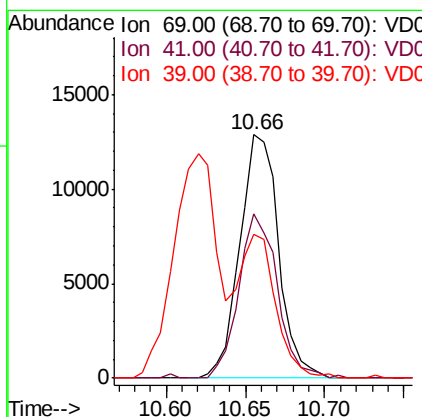
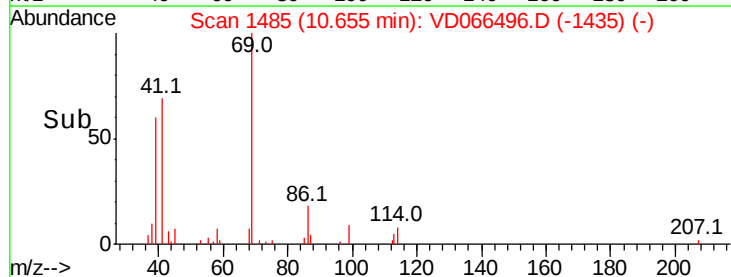
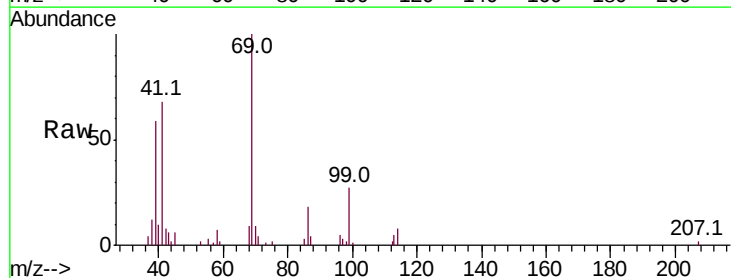
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBSD01

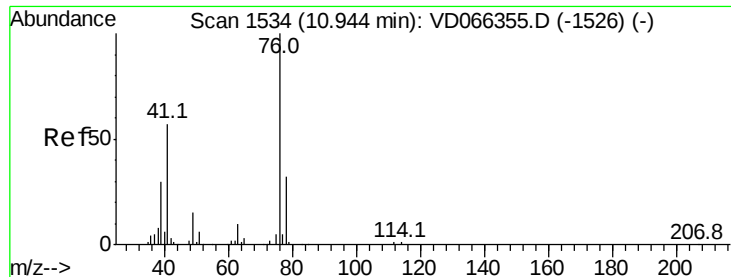
Tot Ion: 97 Resp: 20004
 Ion Ratio Lower Upper
 97 100
 83 66.2 68.4 102.6#
 85 48.3 41.3 61.9
 99 58.4 46.1 69.1



#56
 Ethyl methacrylate
 Concen: 19.350 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Tgt Ion: 69 Resp: 21877
 Ion Ratio Lower Upper
 69 100
 41 67.3 50.8 76.2
 39 57.1 32.9 49.3#





#57

1,3-Dichloropropane

Concen: 19.664 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

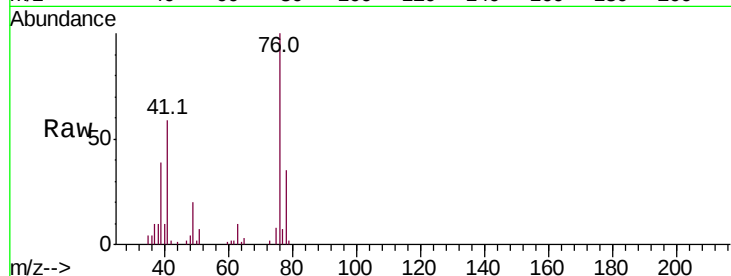
VD0901SBSD01

Tot Ion: 76 Resp: 31768

Ion Ratio Lower Upper

76 100

78 30.6 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.94

20000

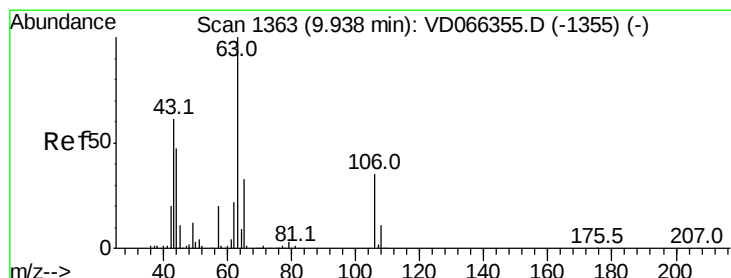
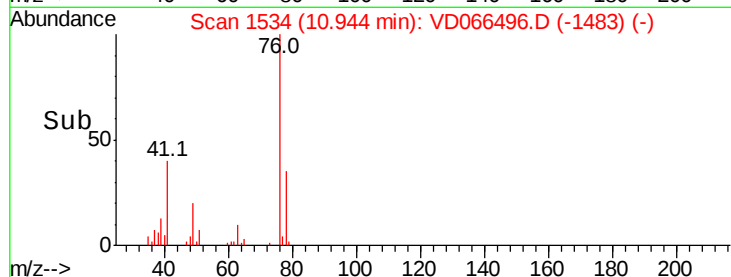
15000

10000

5000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 91.643 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066496.D

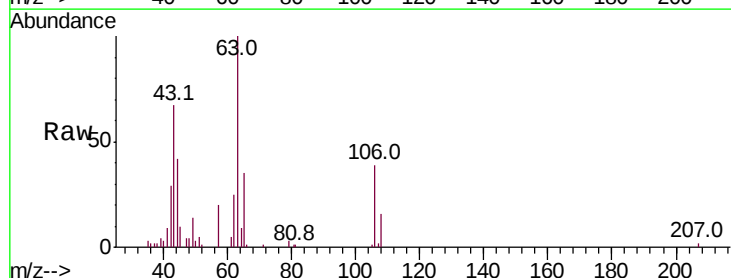
Acq: 01 Sep 2020 15:16

Tgt Ion: 63 Resp: 43033

Ion Ratio Lower Upper

63 100

106 40.5 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

25000

20000

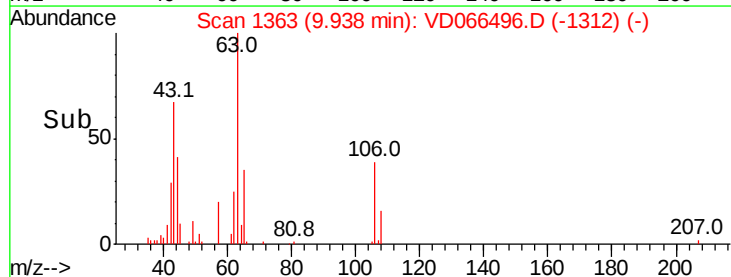
15000

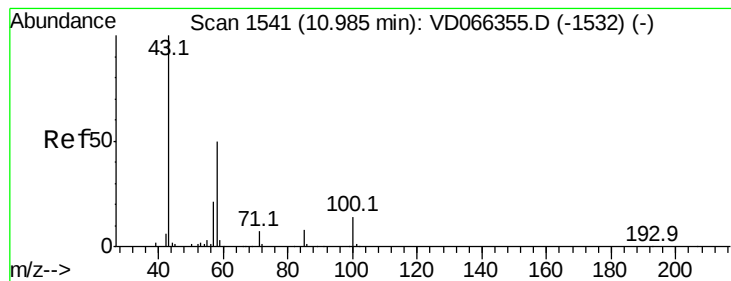
10000

5000

0

Time--> 9.90 9.95 10.00





#59

2-Hexanone

Concen: 94.591 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

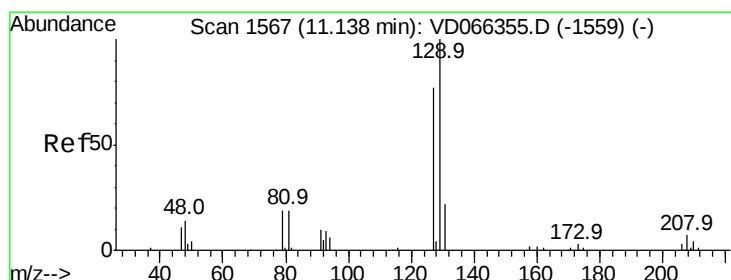
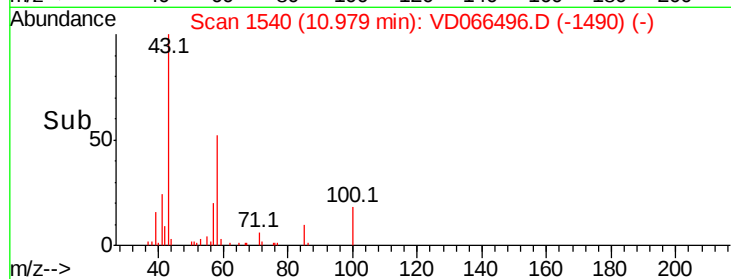
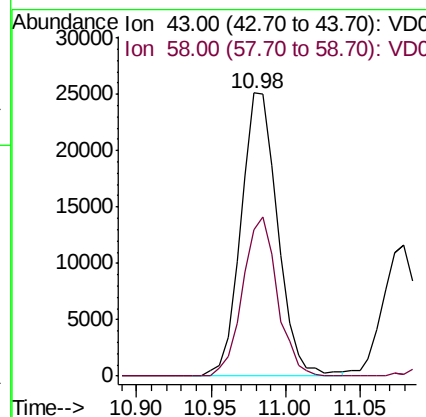
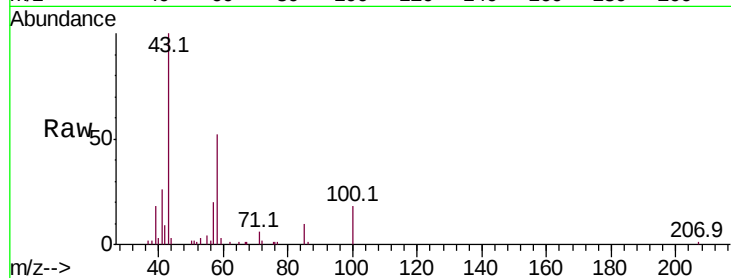
VD0901SBSD01

Tot Ion: 43 Resp: 42810

Ion Ratio Lower Upper

43 100

58 52.7 26.3 78.8



#60

Dibromochloromethane

Concen: 21.154 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD066496.D

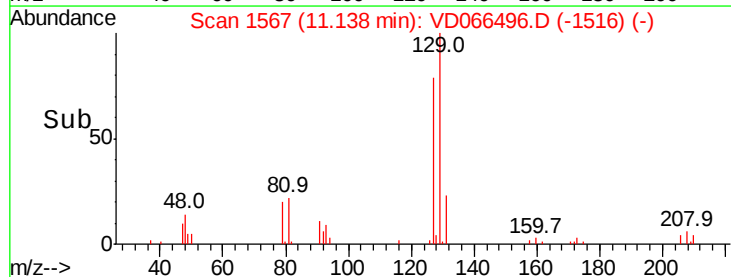
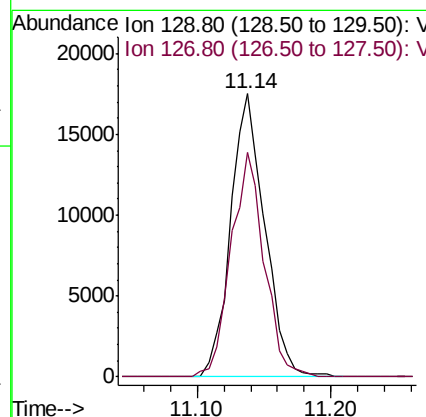
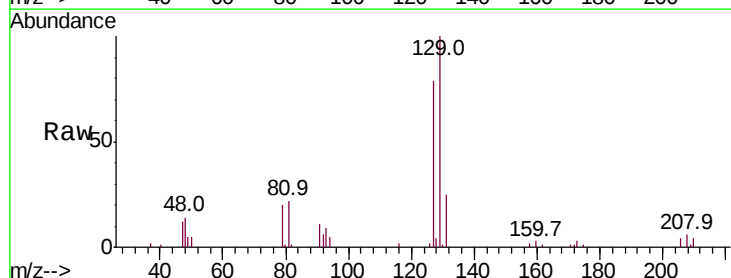
Acq: 01 Sep 2020 15:16

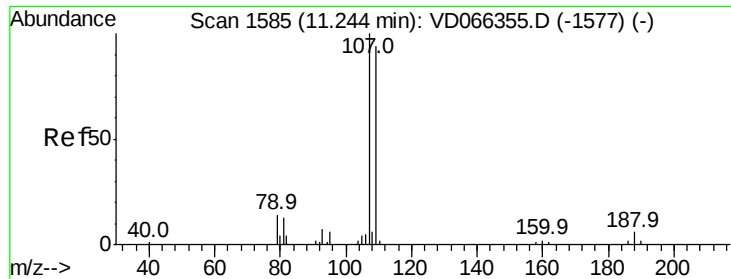
Tgt Ion: 129 Resp: 31142

Ion Ratio Lower Upper

129 100

127 77.4 39.0 117.0

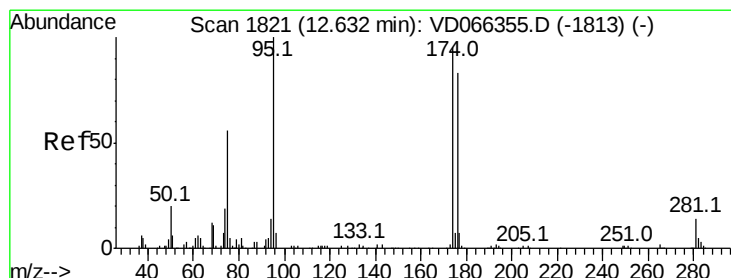
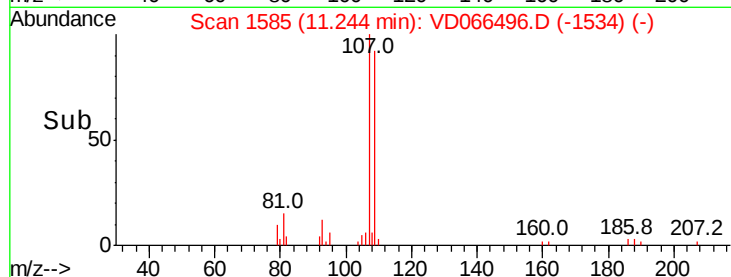
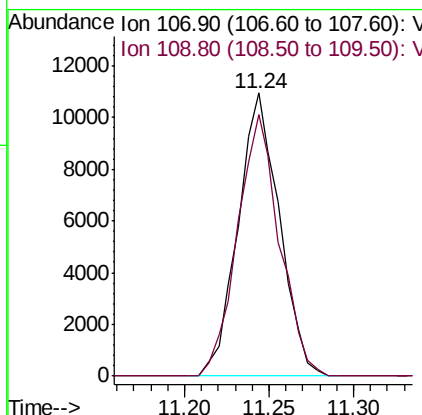
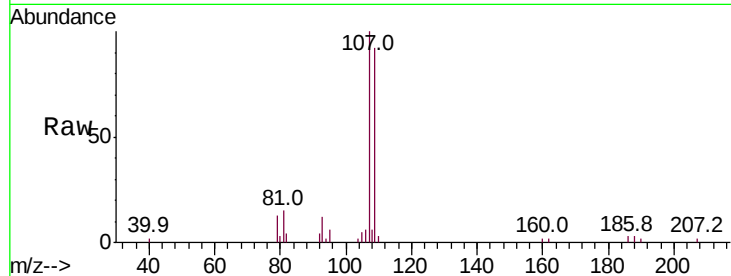




#61
 1,2-Dibromoethane
 Concen: 19.390 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

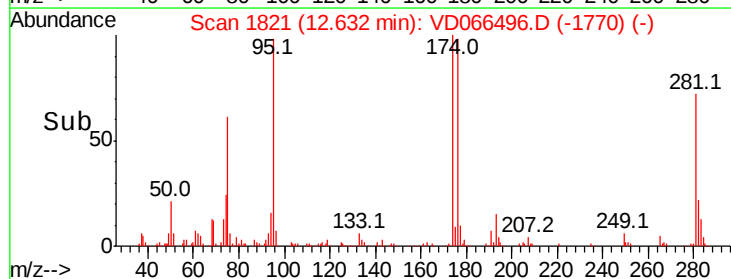
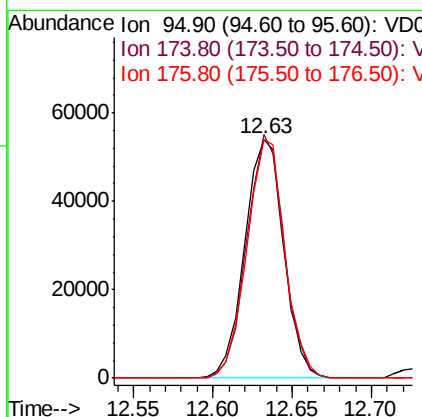
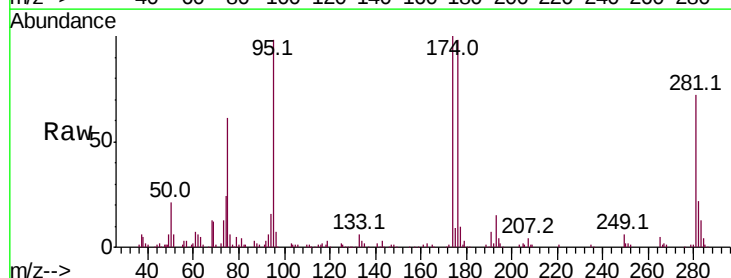
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBSD01

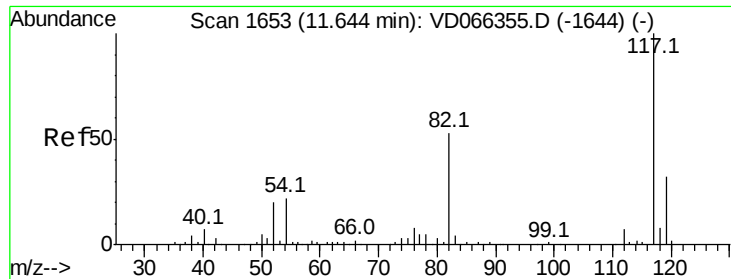
Tot Ion:107 Resp: 18637
 Ion Ratio Lower Upper
 107 100
 109 93.8 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 53.423 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Tgt Ion: 95 Resp: 92353
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 183.4
 176 96.9 0.0 173.8

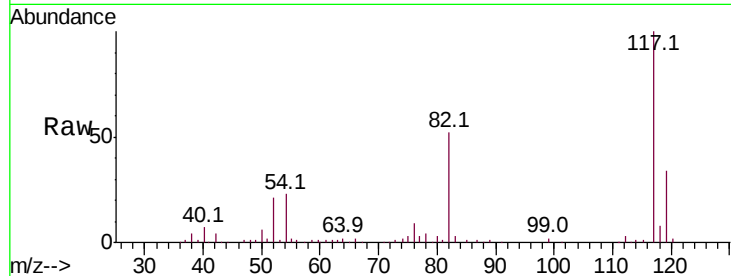




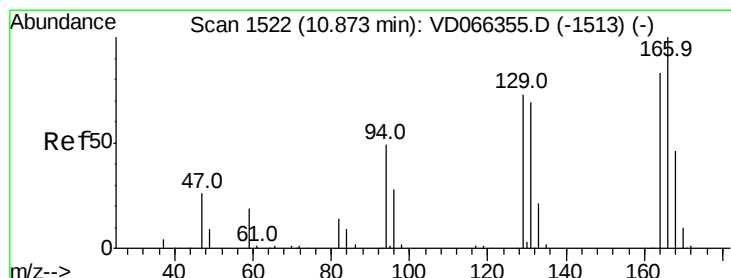
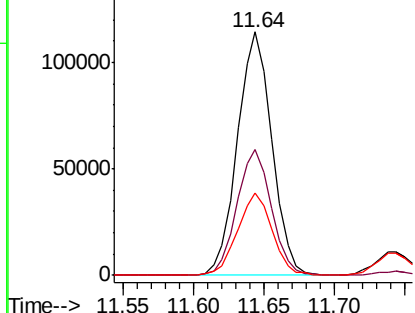
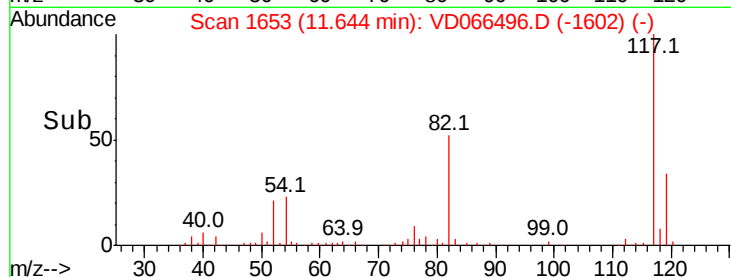
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion:117 Resp: 195339
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 34.1 25.8 38.8

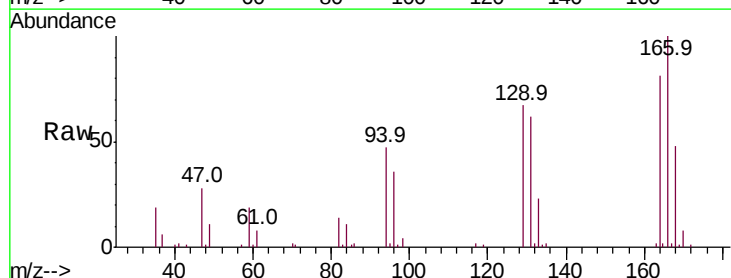


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

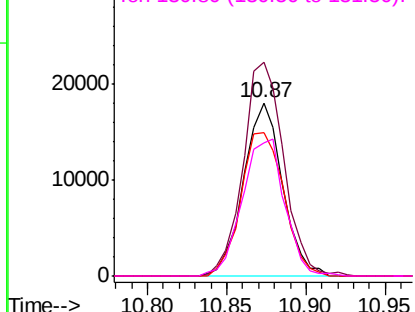
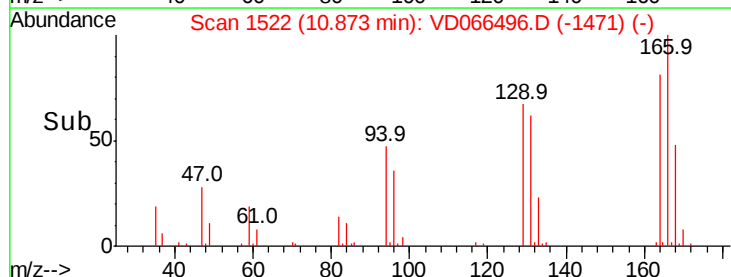


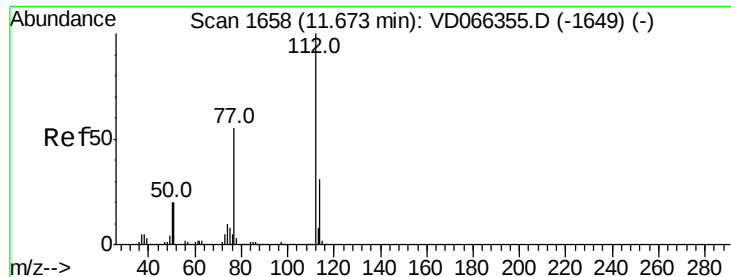
#64
Tetrachloroethene
Concen: 20.794 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion:164 Resp: 30813
Ion Ratio Lower Upper
164 100
166 123.6 96.2 144.4
129 82.8 70.3 105.5
131 76.8 66.4 99.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.574 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

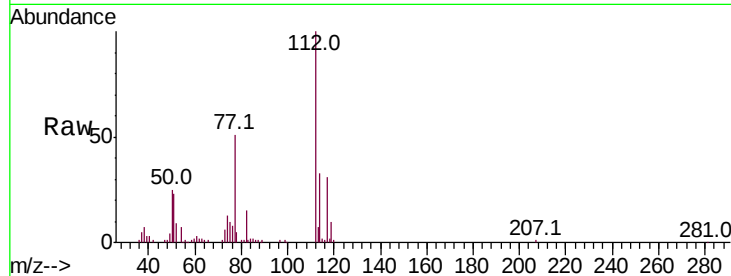
VD0901SBS01

Tot Ion:112 Resp: 79957

Ion Ratio Lower Upper

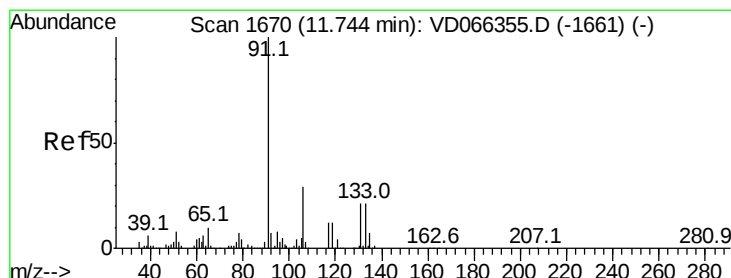
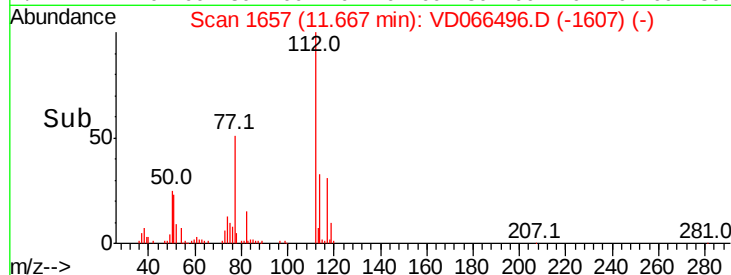
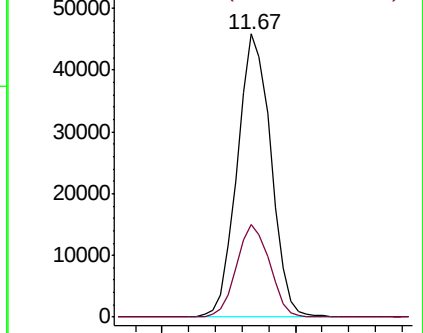
112 100

114 32.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.878 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

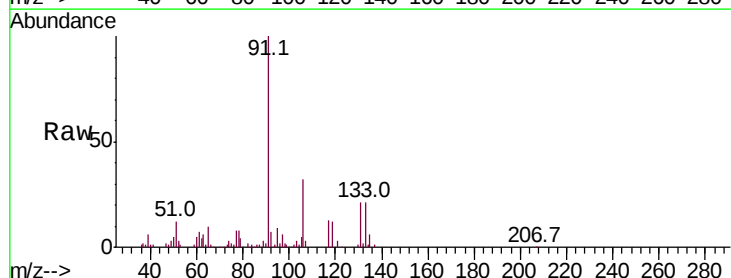
Tgt Ion:131 Resp: 33159

Ion Ratio Lower Upper

131 100

133 102.2 48.6 145.9

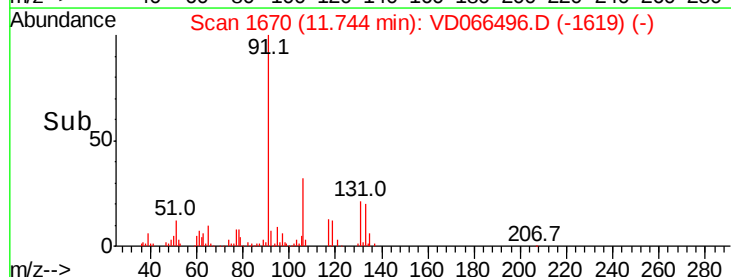
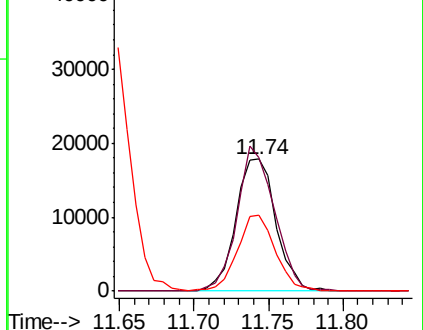
119 54.8 29.0 87.1

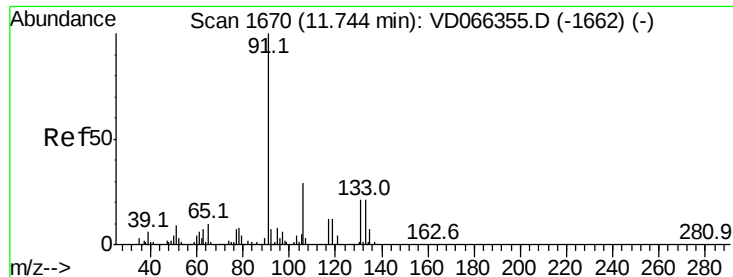


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

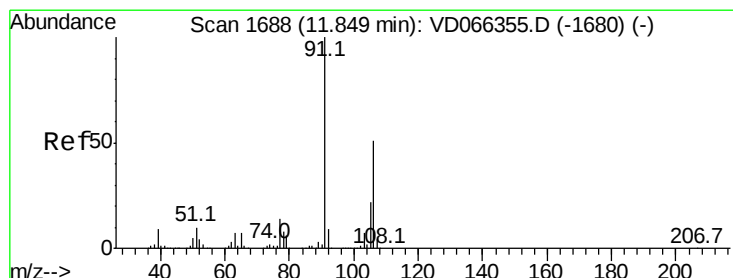
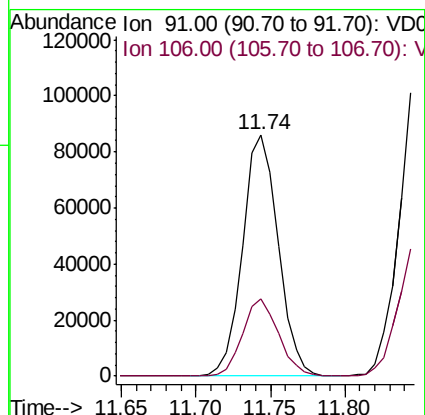
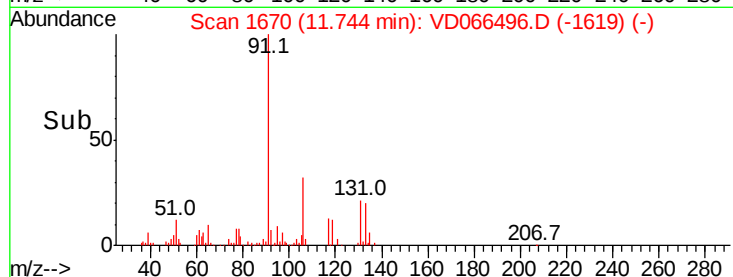
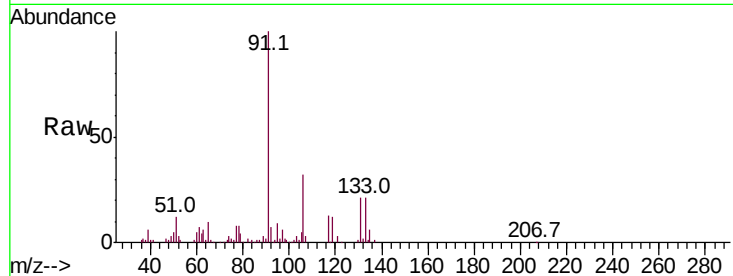




#67
Ethyl Benzene
Concen: 20.750 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

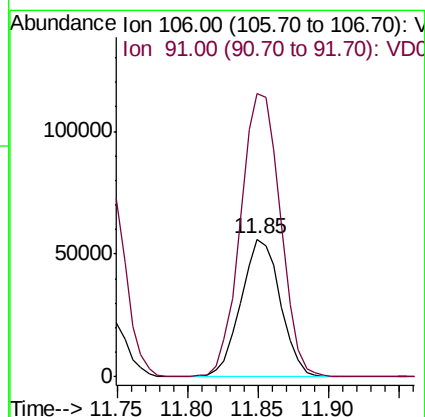
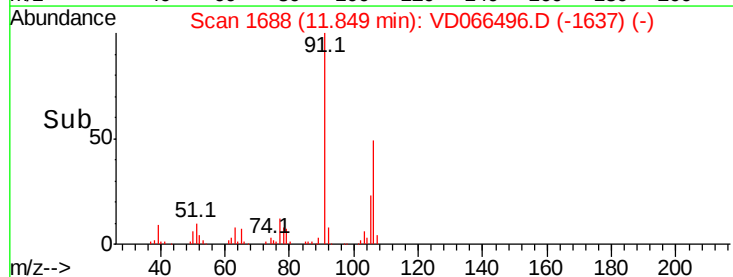
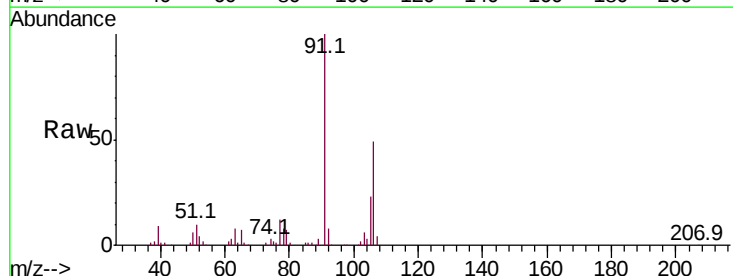
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

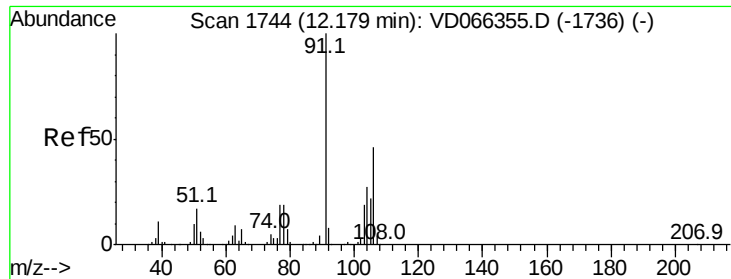
Tot Ion: 91 Resp: 141945
Ion Ratio Lower Upper
91 100
106 31.8 23.4 35.2



#68
m/p-Xylenes
Concen: 42.214 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 106 Resp: 110070
Ion Ratio Lower Upper
106 100
91 208.0 160.7 241.1

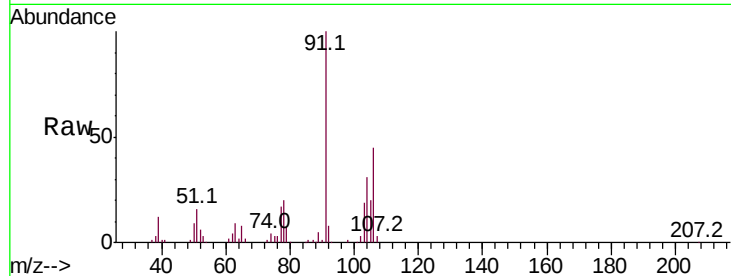




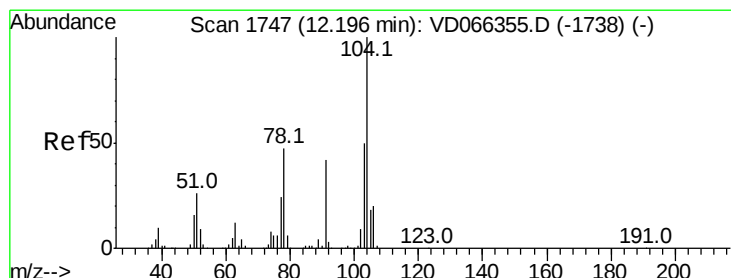
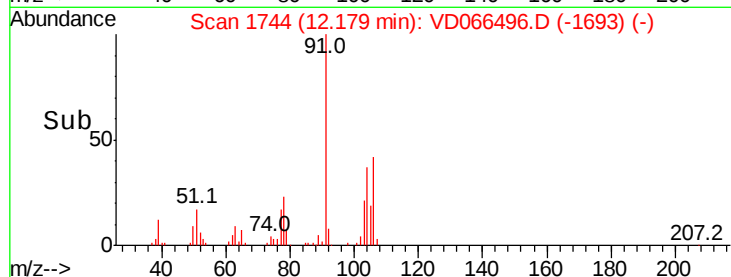
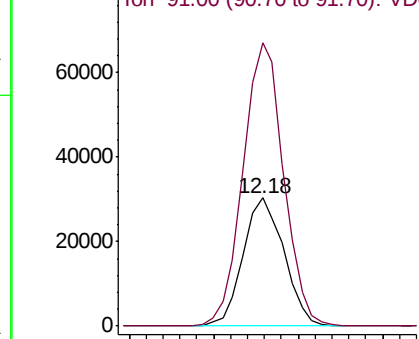
#69
o-Xylene
Concen: 21.035 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion:106 Resp: 51024
Ion Ratio Lower Upper
106 100
91 219.7 109.1 327.3

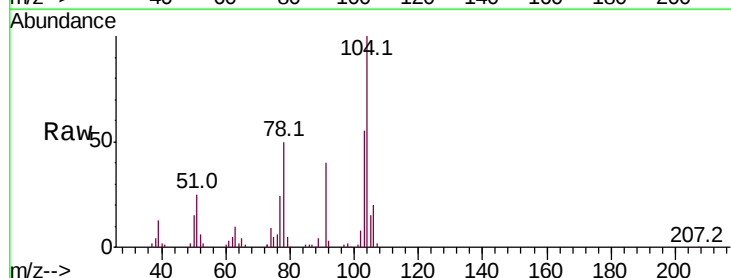


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

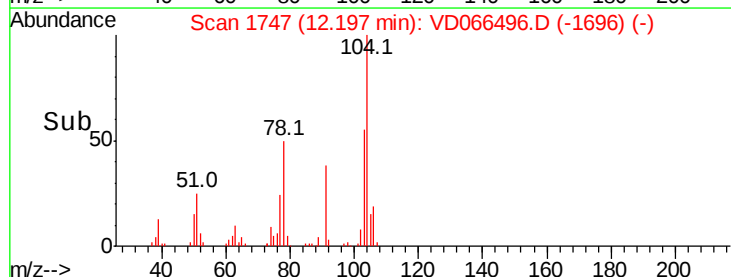
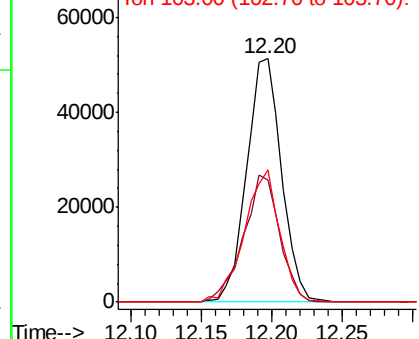


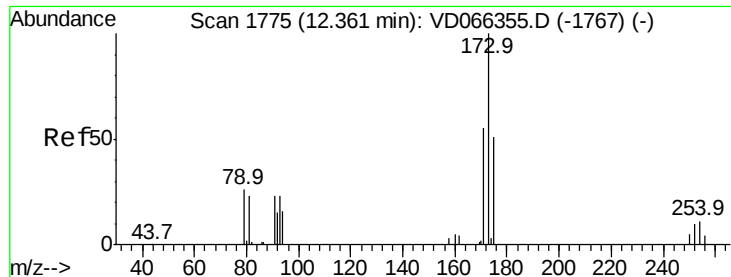
#70
Styrene
Concen: 21.340 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion:104 Resp: 88880
Ion Ratio Lower Upper
104 100
78 53.9 41.7 62.5
103 55.1 43.5 65.3



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

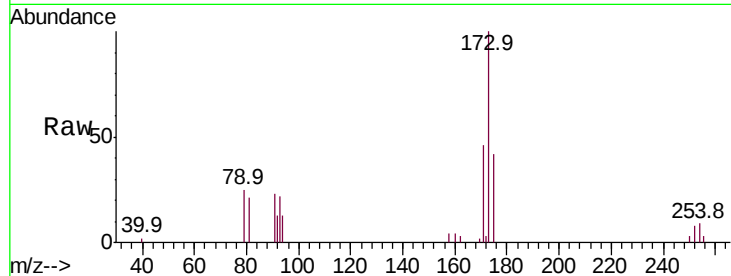




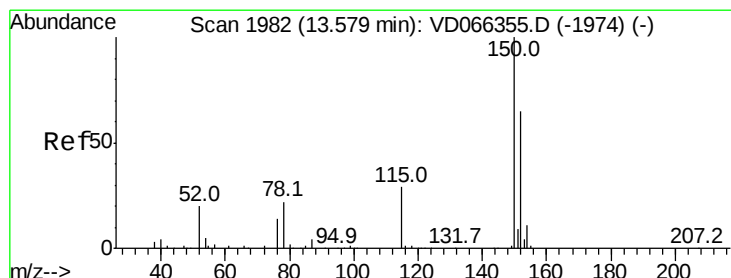
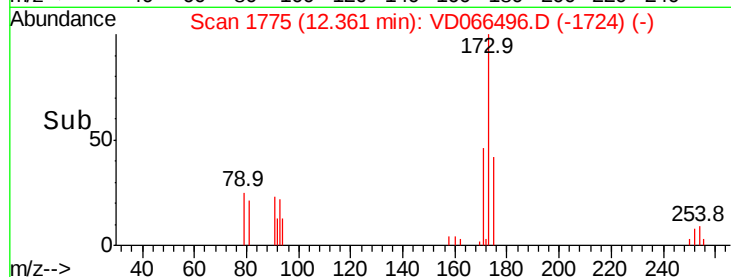
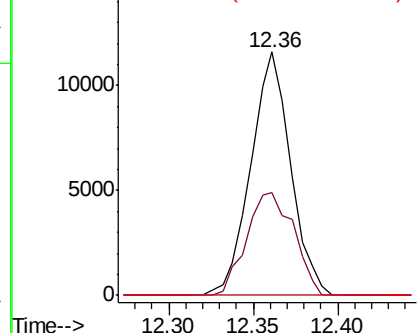
#71
Bromoform
Concen: 21.075 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion:173 Resp: 18990
Ion Ratio Lower Upper
173 100
175 49.7 24.8 74.3
254 0.0 0.0 0.0

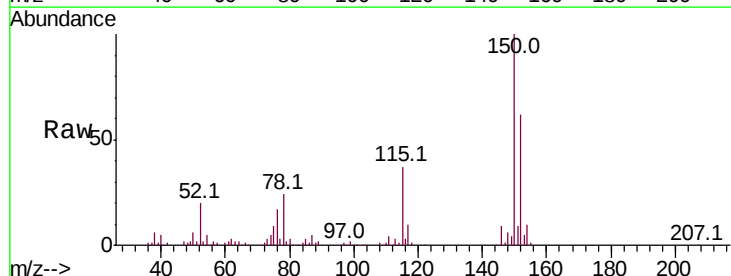


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

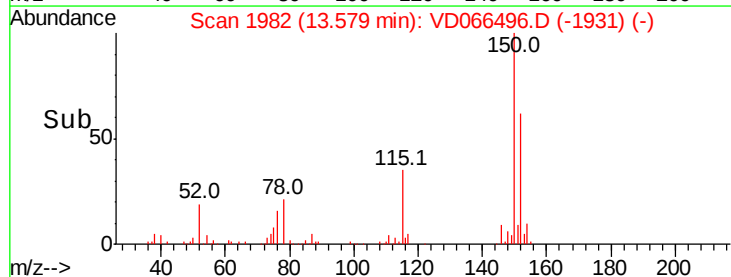
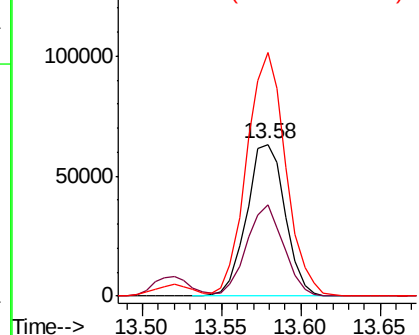


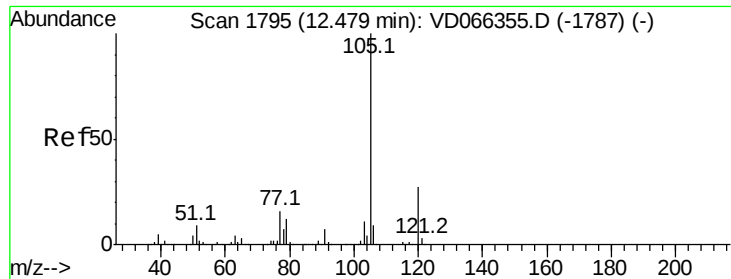
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion:152 Resp: 106380
Ion Ratio Lower Upper
152 100
115 57.9 28.3 85.0
150 163.5 0.0 343.2



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: 21.325 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

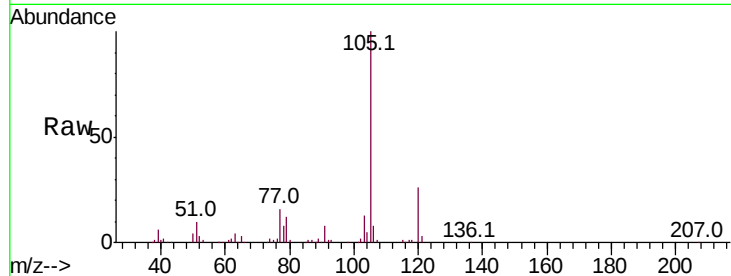
VD0901SBSD01

Tot Ion:105 Resp: 151966

Ion Ratio Lower Upper

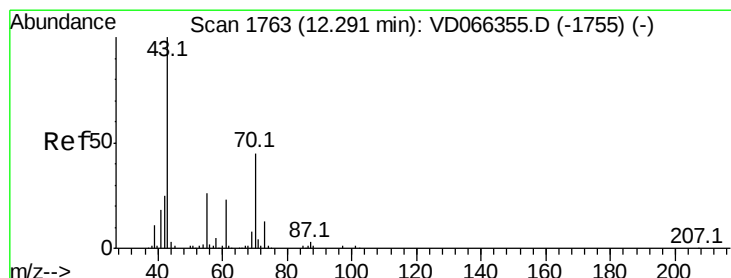
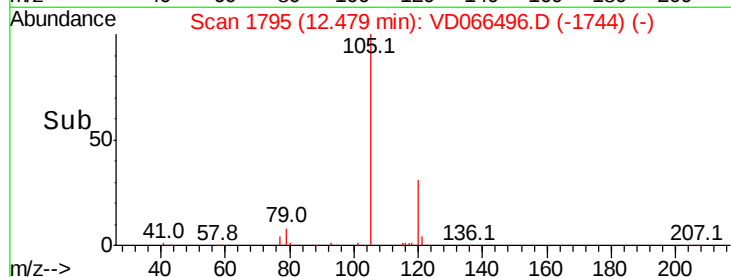
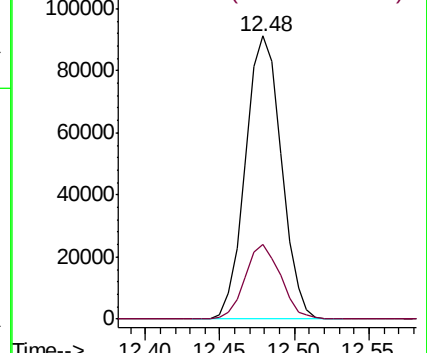
105 100

120 26.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.841 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Tgt Ion: 43 Resp: 22963

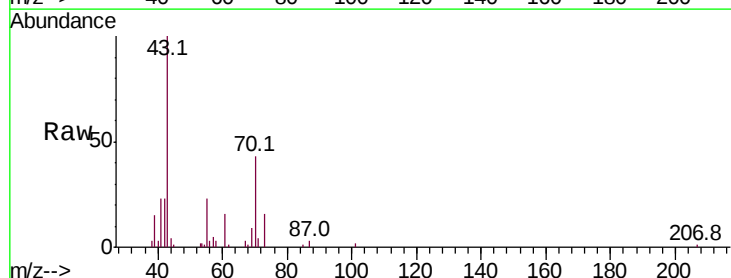
Ion Ratio Lower Upper

43 100

70 43.9 34.8 52.2

55 25.9 20.3 30.5

61 21.5 19.0 28.6

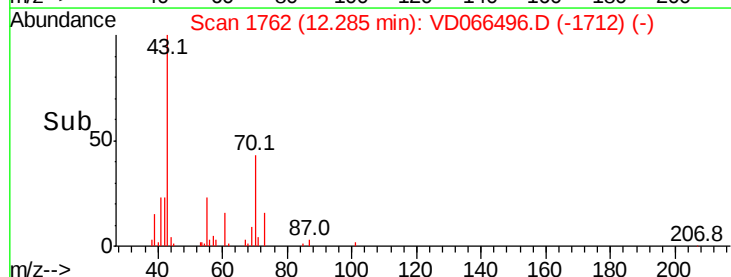
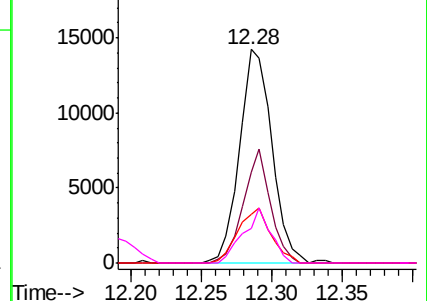


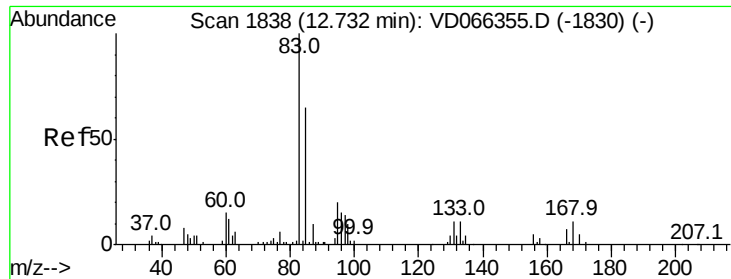
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.456 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

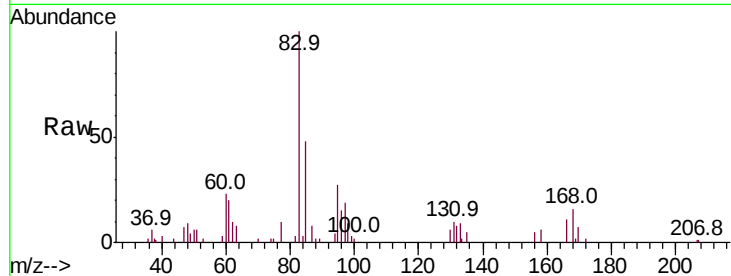
Tot Ion: 83 Resp: 17771

Ion Ratio Lower Upper

83 100

131 16.1 7.0 20.9

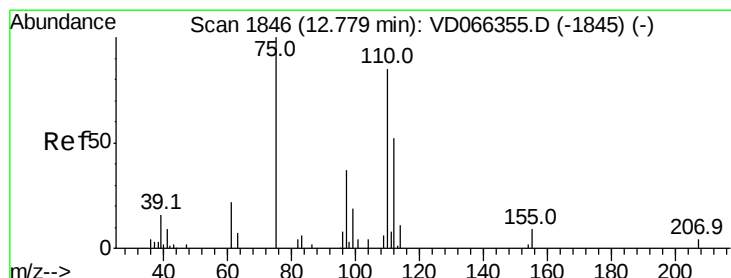
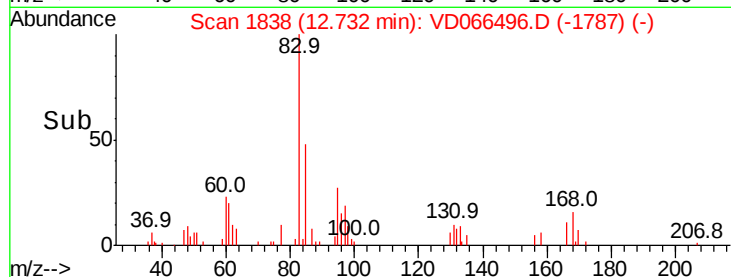
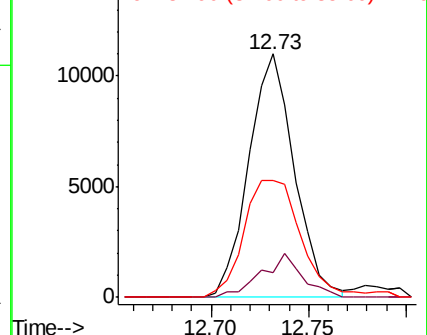
85 61.1 32.4 97.0



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: 37.897 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VD066496.D

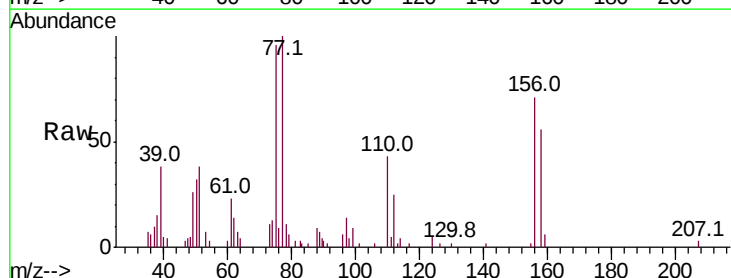
Acq: 01 Sep 2020 15:16

Tgt Ion: 75 Resp: 28362

Ion Ratio Lower Upper

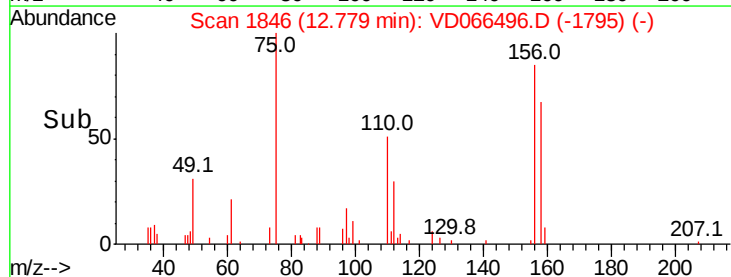
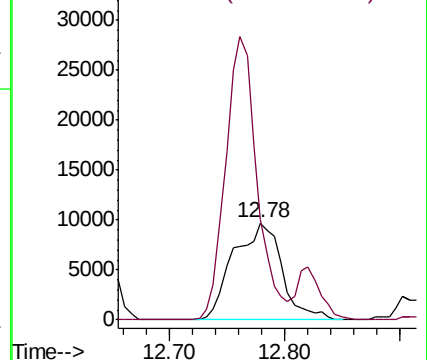
75 100

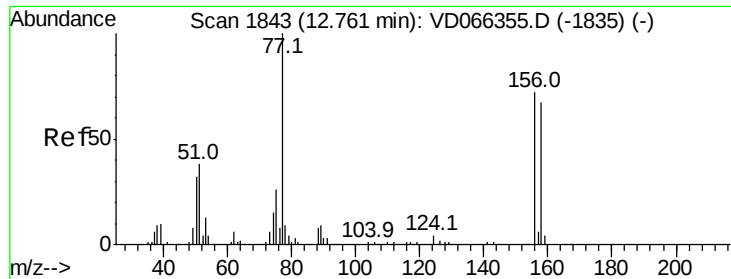
77 189.6 182.9 548.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.569 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

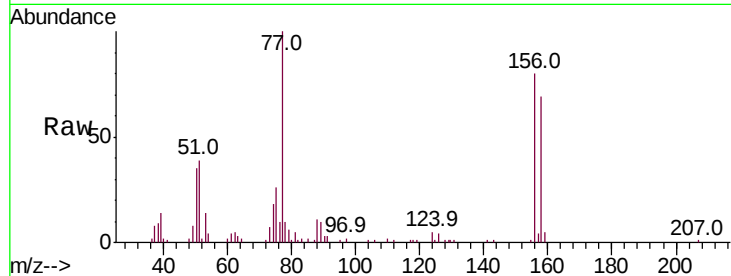
Tot Ion:156 Resp: 37205

Ion Ratio Lower Upper

156 100

77 144.5 76.1 228.3

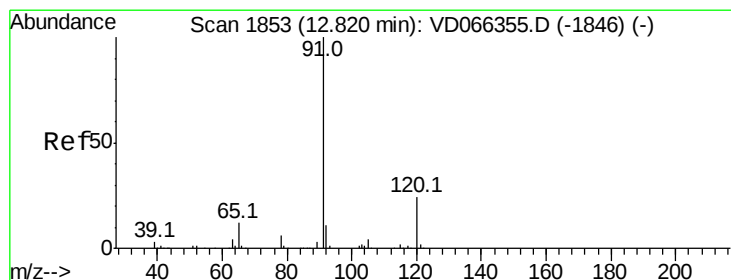
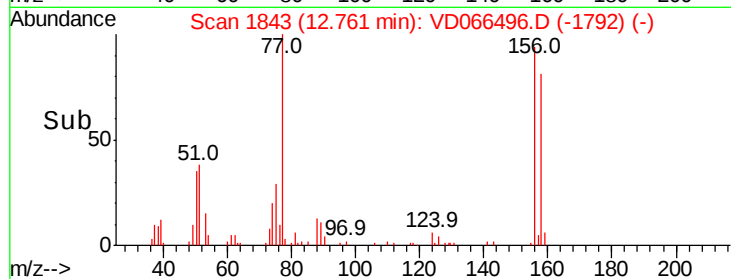
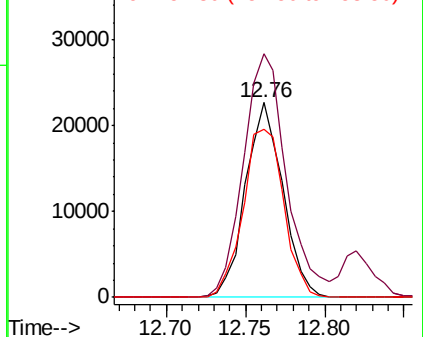
158 94.4 47.6 142.9



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: 19.960 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066496.D

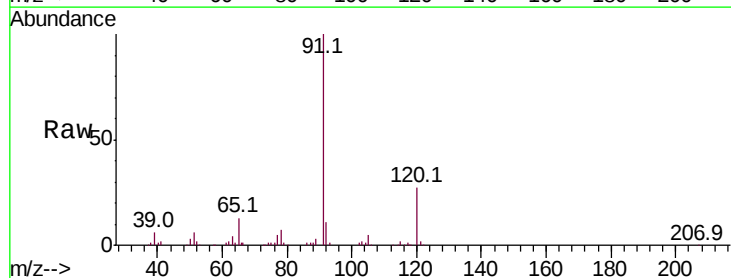
Acq: 01 Sep 2020 15:16

Tgt Ion: 91 Resp: 163096

Ion Ratio Lower Upper

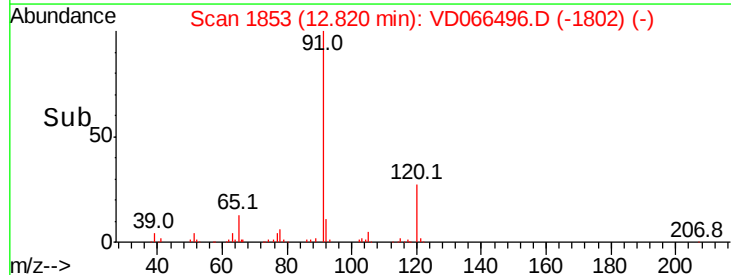
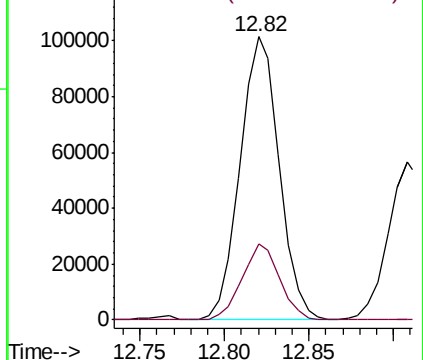
91 100

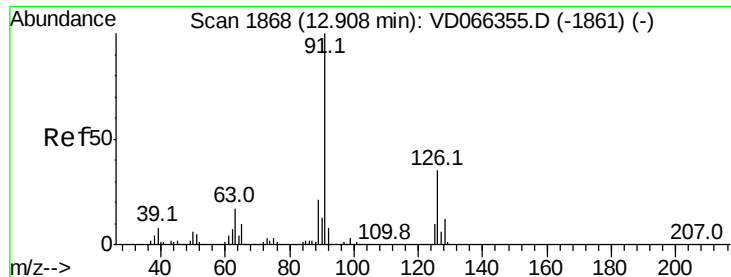
120 25.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.764 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

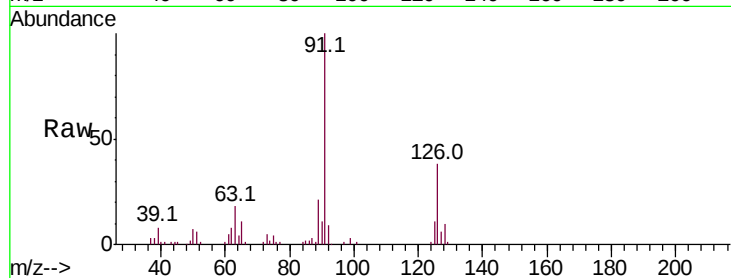
VD0901SBSD01

Tot Ion: 91 Resp: 92234

Ion Ratio Lower Upper

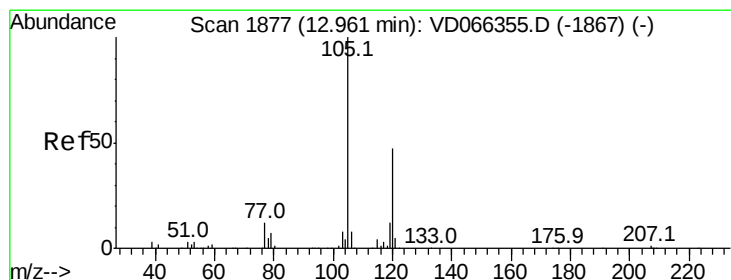
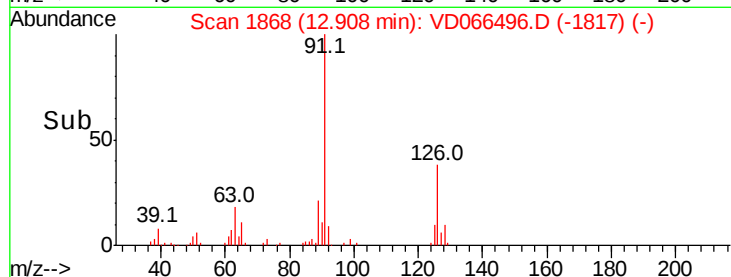
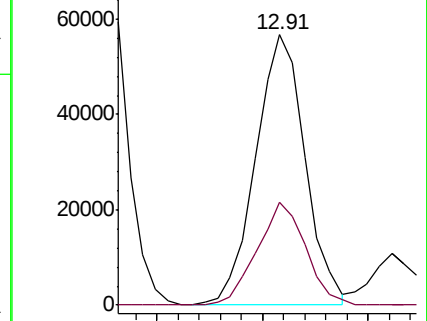
91 100

126 37.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.003 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066496.D

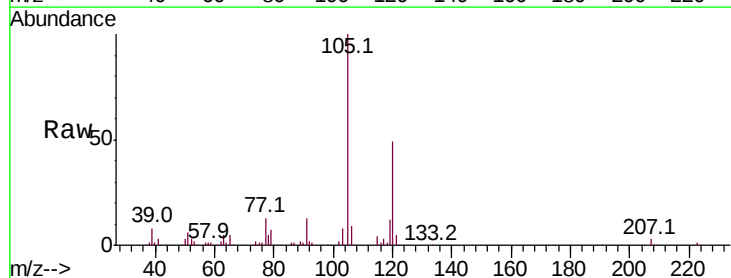
Acq: 01 Sep 2020 15:16

Tgt Ion:105 Resp: 129228

Ion Ratio Lower Upper

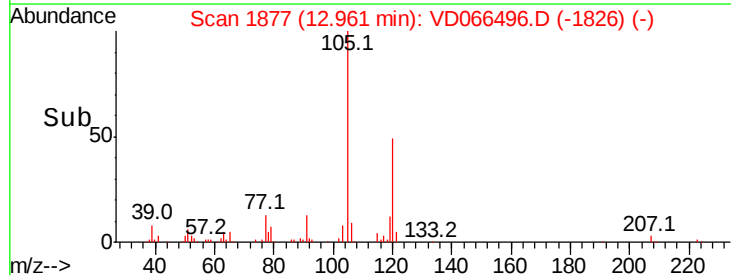
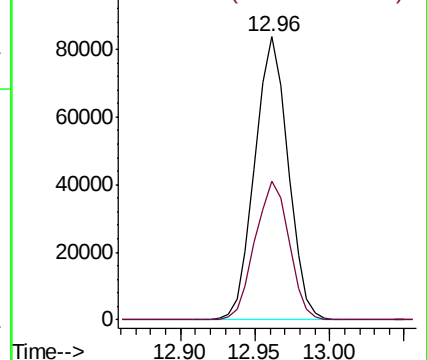
105 100

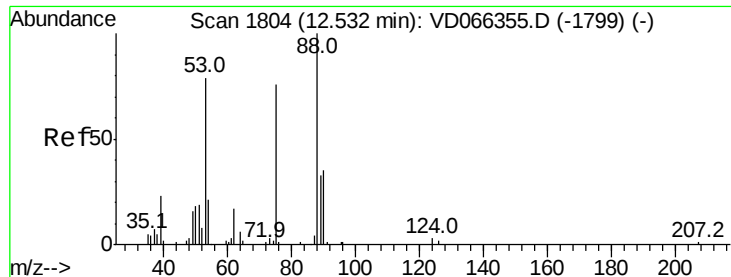
120 50.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.625 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

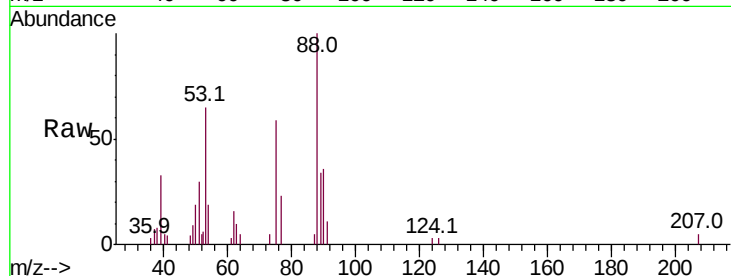
Tot Ion: 75 Resp: 6214

Ion Ratio Lower Upper

75 100

53 139.9 87.4 131.2#

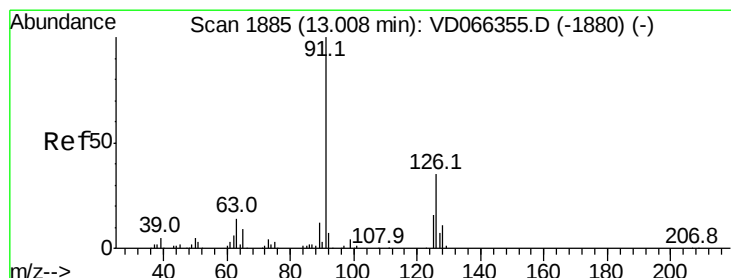
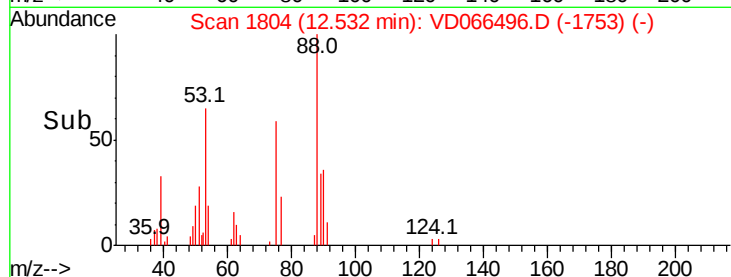
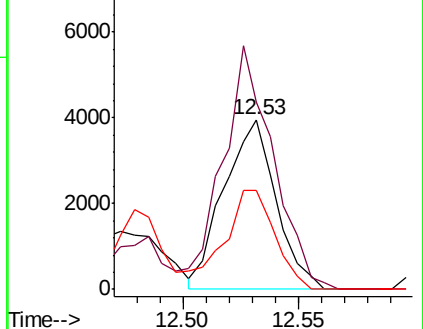
89 56.1 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.668 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066496.D

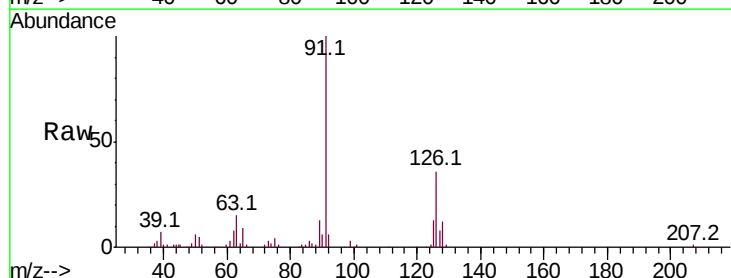
Acq: 01 Sep 2020 15:16

Tgt Ion: 91 Resp: 102191

Ion Ratio Lower Upper

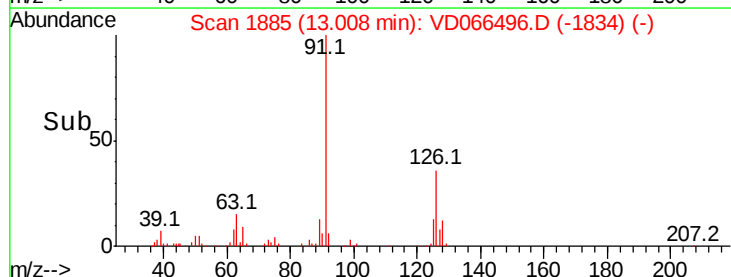
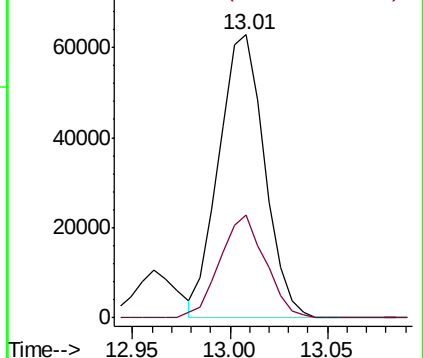
91 100

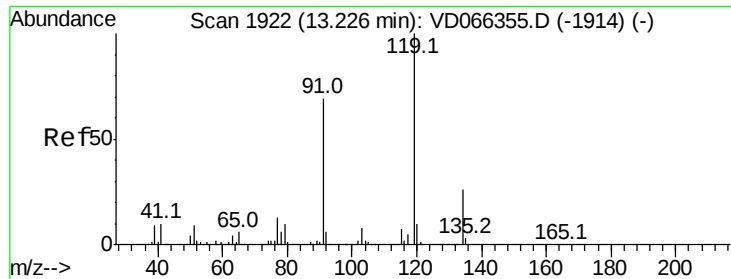
126 36.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.926 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

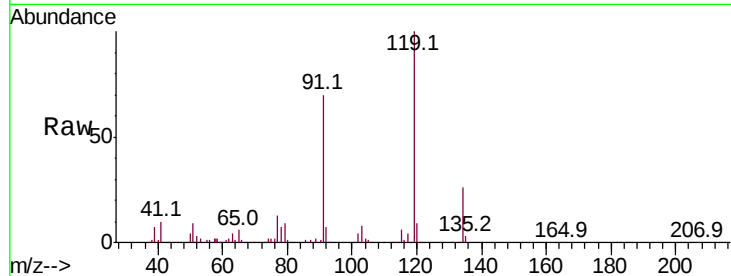
Tot Ion:119 Resp: 111836

Ion Ratio Lower Upper

119 100

91 68.3 33.5 100.5

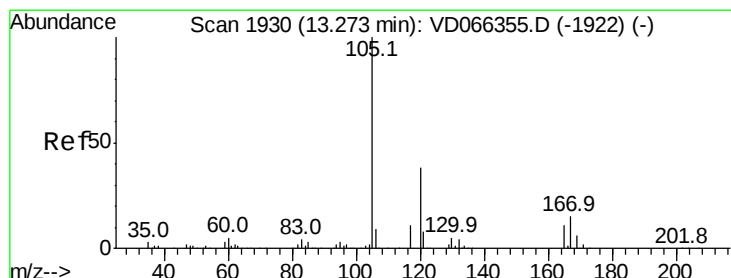
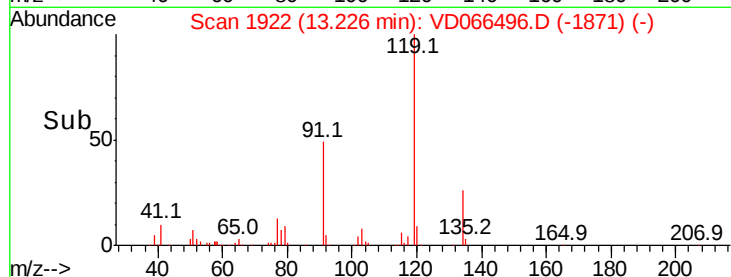
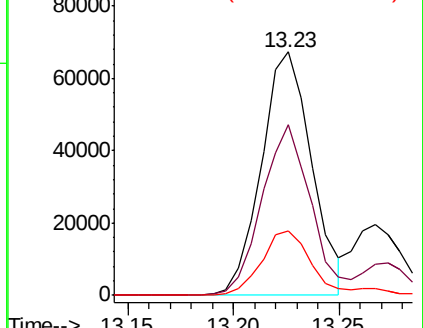
134 27.7 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.131 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066496.D

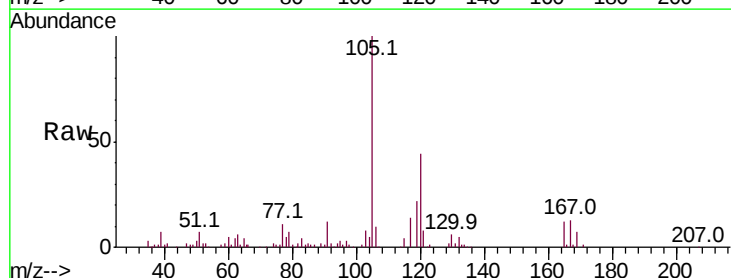
Acq: 01 Sep 2020 15:16

Tgt Ion:105 Resp: 127706

Ion Ratio Lower Upper

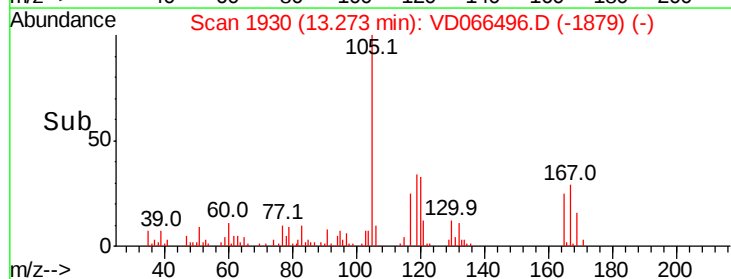
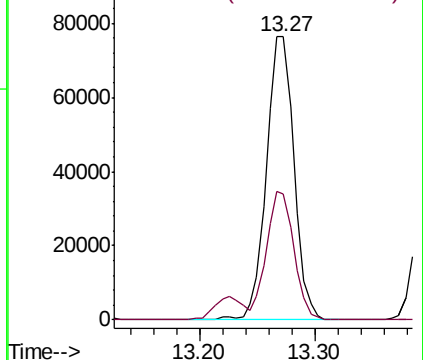
105 100

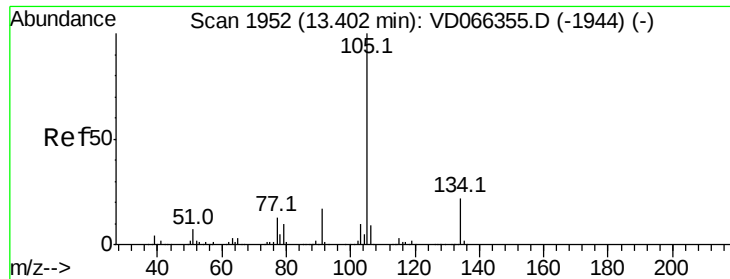
120 44.8 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.446 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

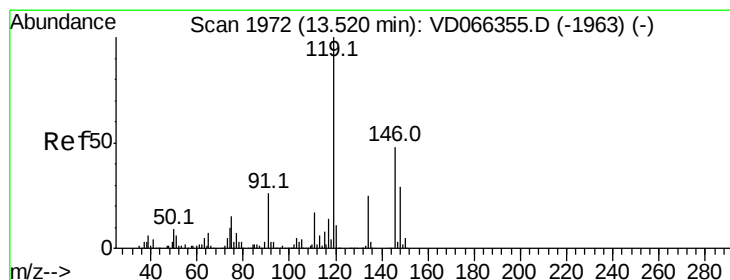
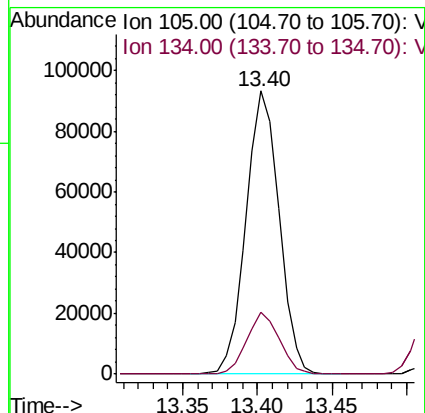
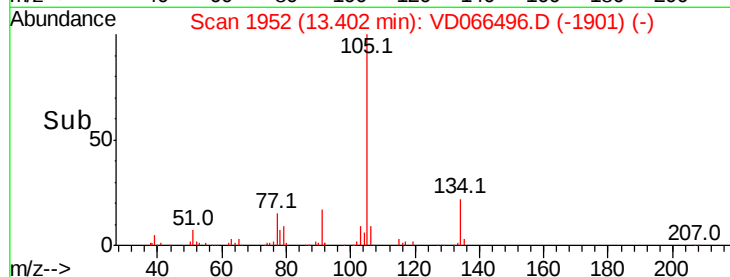
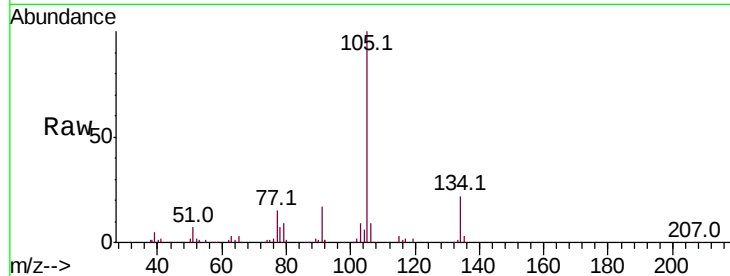
VD0901SBSD01

Tot Ion:105 Resp: 143166

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 21.237 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

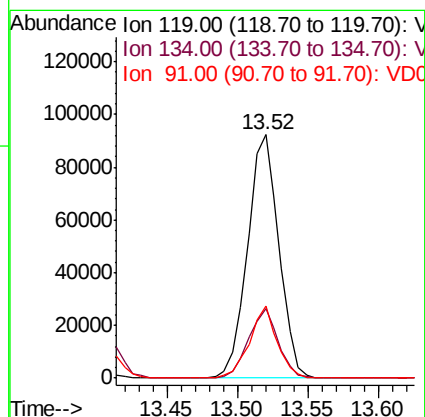
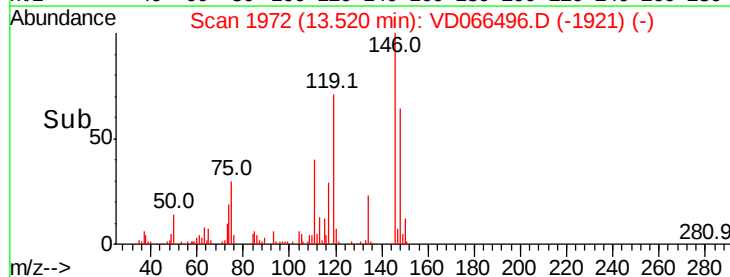
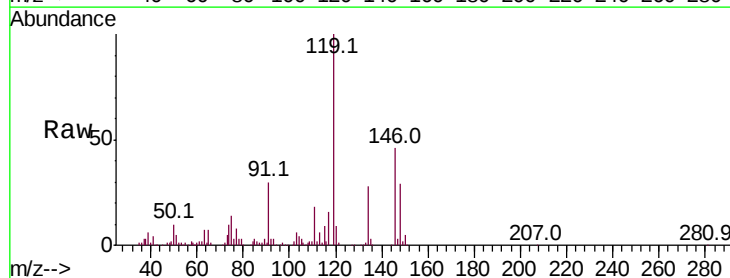
Tgt Ion:119 Resp: 143389

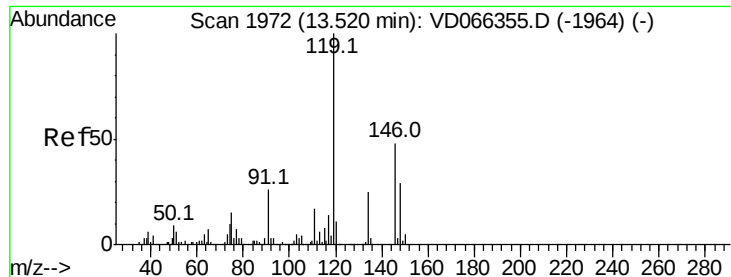
Ion Ratio Lower Upper

119 100

134 27.2 12.8 38.3

91 26.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.499 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

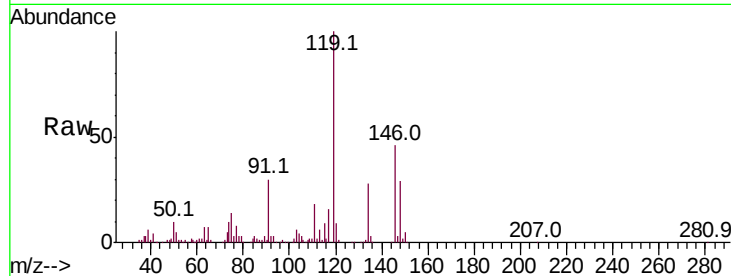
Tot Ion:146 Resp: 69213

Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.9

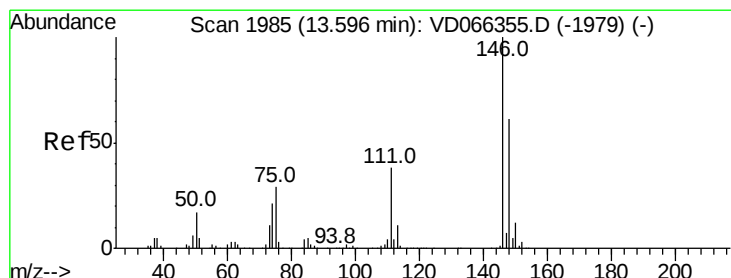
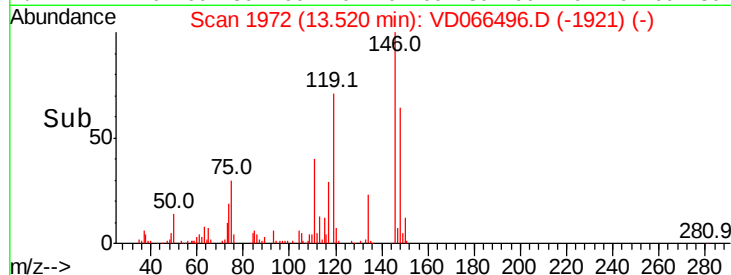
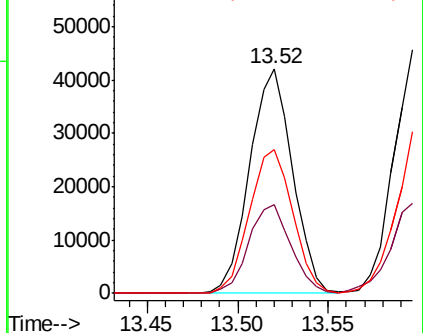
148 64.8 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 21.022 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

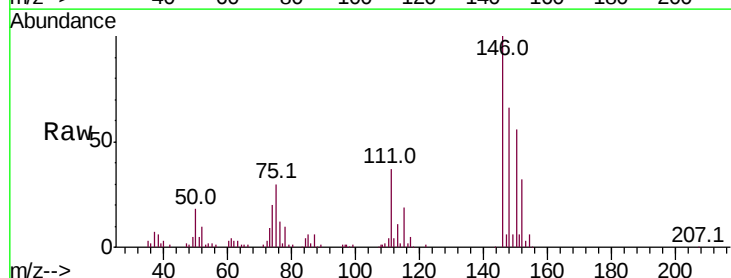
Tgt Ion:146 Resp: 71266

Ion Ratio Lower Upper

146 100

111 40.2 19.1 57.5

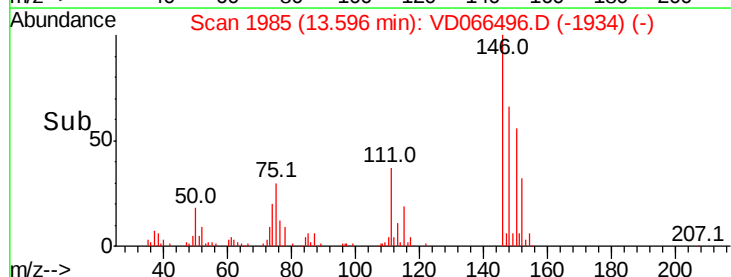
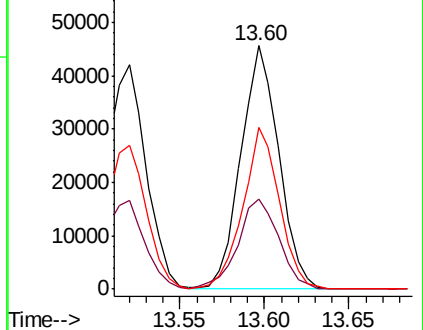
148 63.9 32.1 96.3

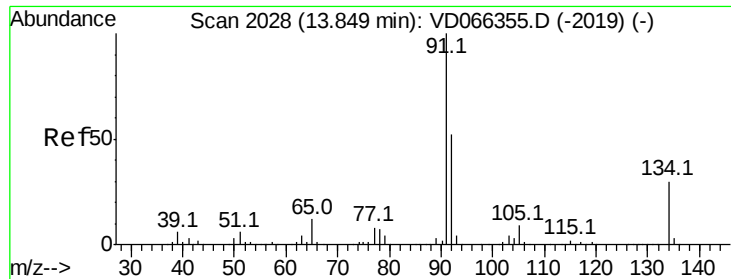


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

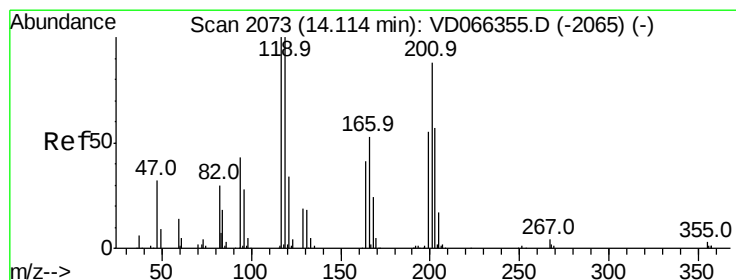
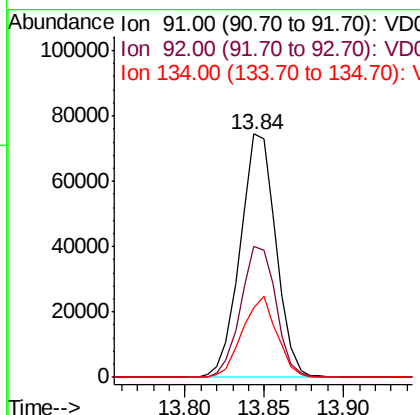
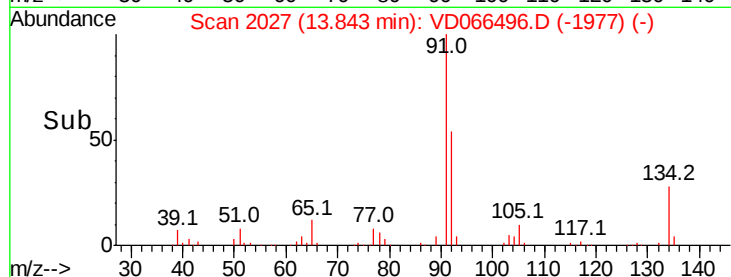
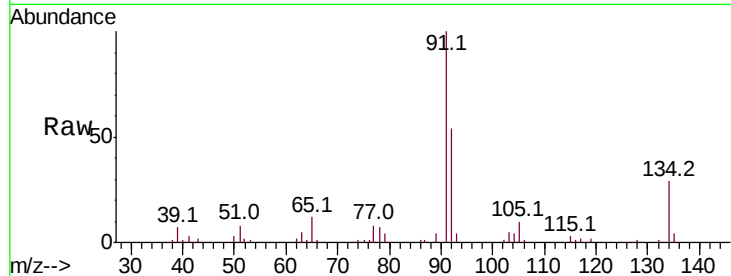




#89
n-Butylbenzene
Concen: 19.528 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

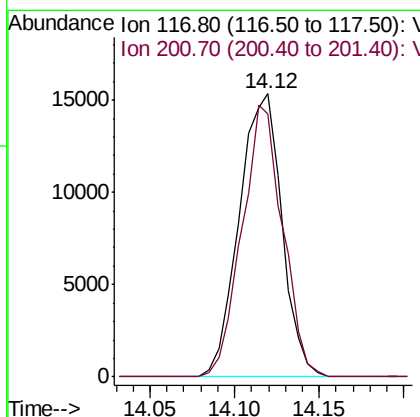
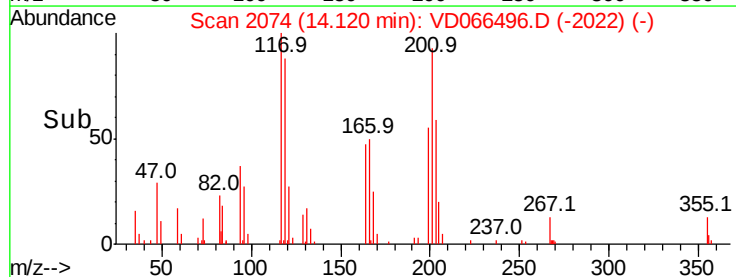
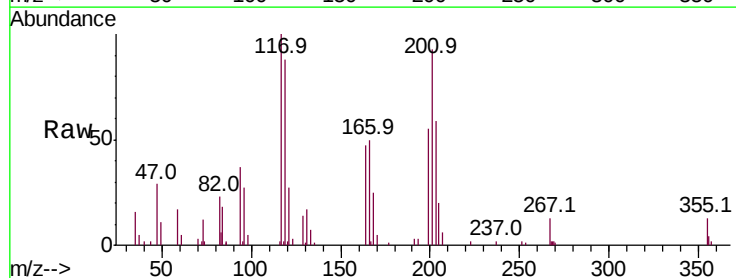
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

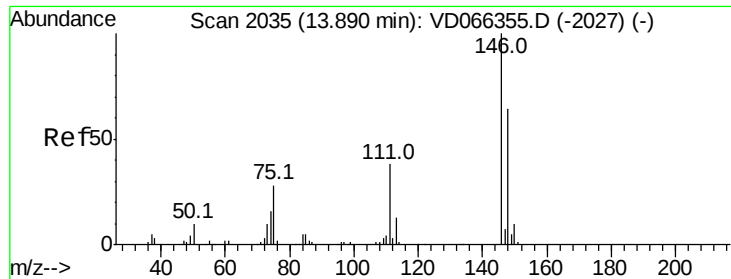
Tot Ion: 91 Resp: 116352
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 31.8 14.4 43.4



#90
Hexachloroethane
Concen: 20.215 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion: 117 Resp: 26962
Ion Ratio Lower Upper
117 100
201 91.5 45.4 136.2





#91

1,2-Dichlorobenzene

Concen: 20.829 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBSD01

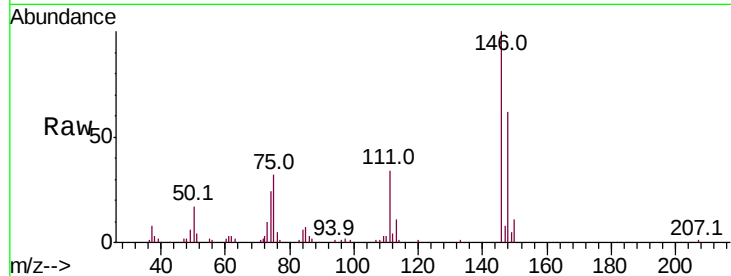
Tot Ion:146 Resp: 60540

Ion Ratio Lower Upper

146 100

111 40.6 19.9 59.7

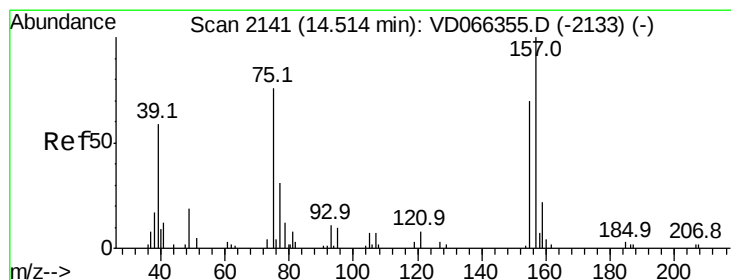
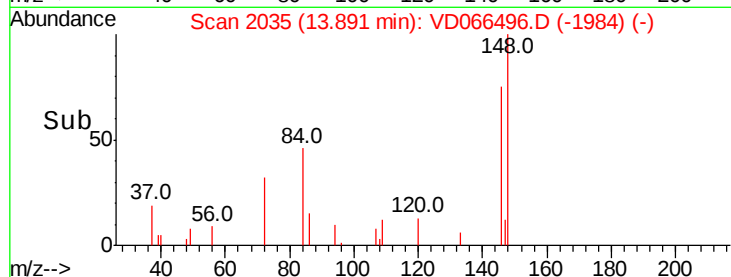
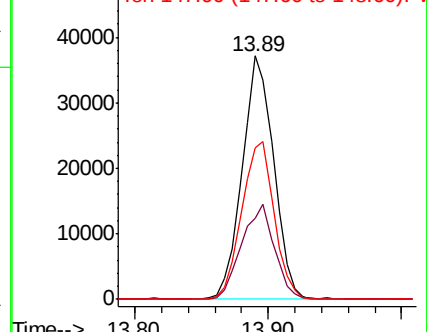
148 66.5 32.6 97.8



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: 22.682 ug/l

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD066496.D

Acq: 01 Sep 2020 15:16

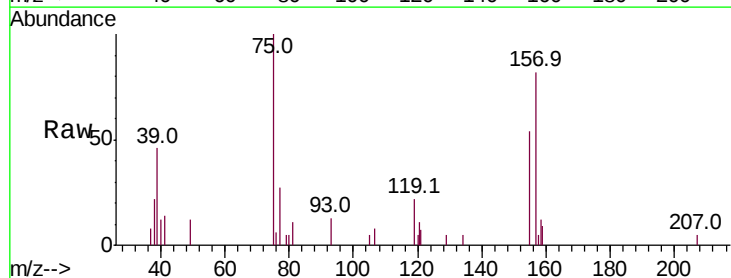
Tgt Ion: 75 Resp: 4843

Ion Ratio Lower Upper

75 100

155 77.9 46.9 140.6

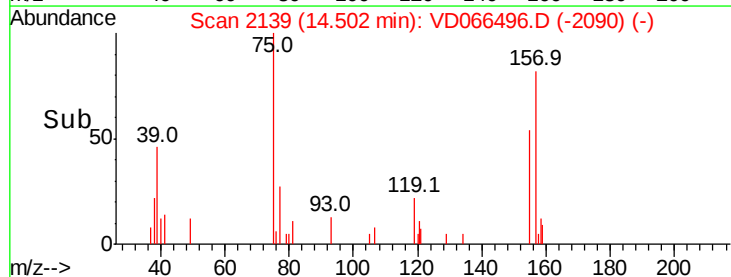
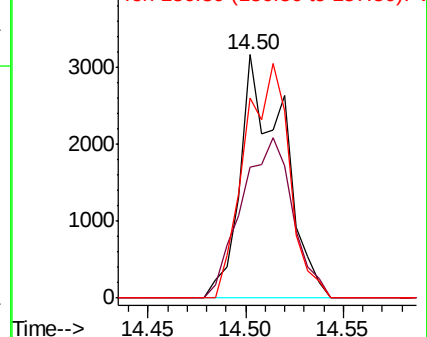
157 99.9 61.0 183.0

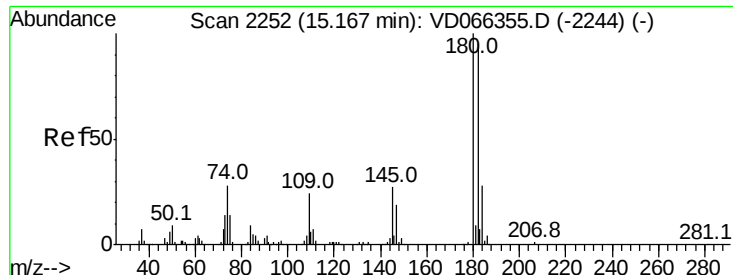


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

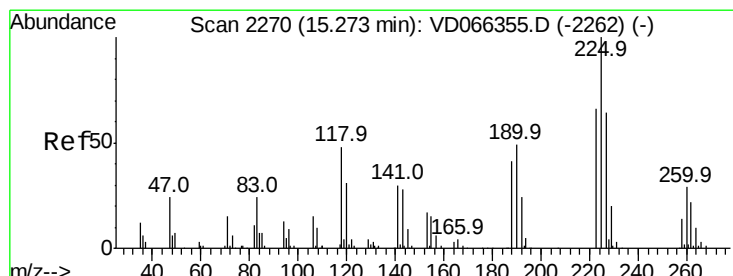
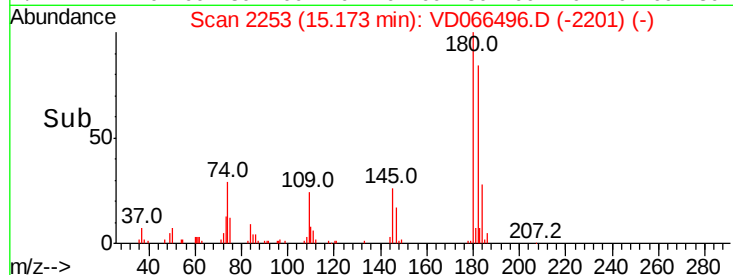
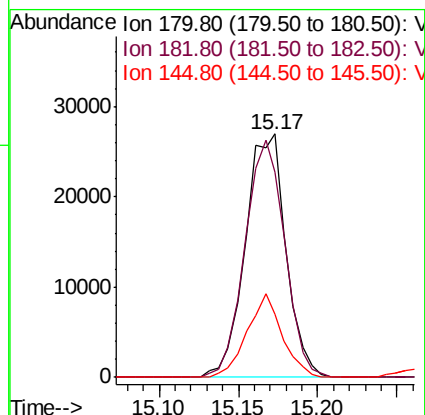
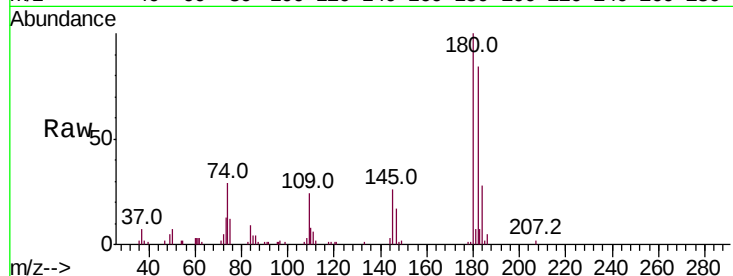




#93
 1,2,4-Trichlorobenzene
 Concen: 21.122 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

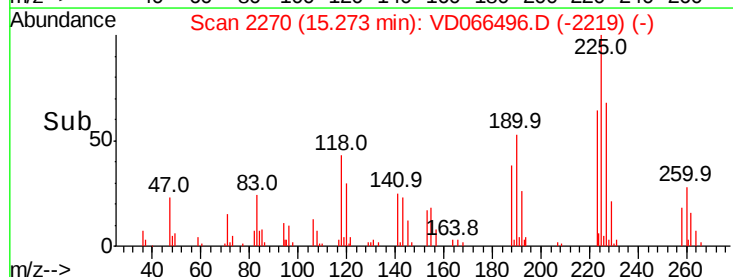
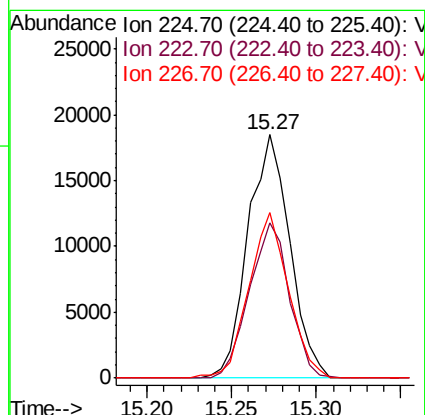
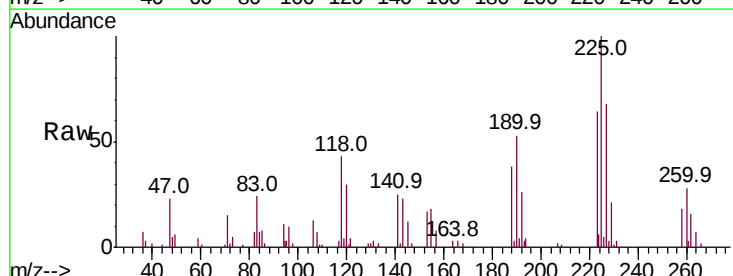
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBSD01

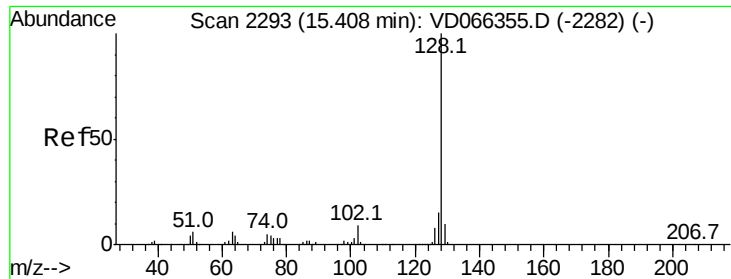
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.5	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 22.562 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066496.D
 Acq: 01 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.5	97.4
227	64.6	33.0	98.9

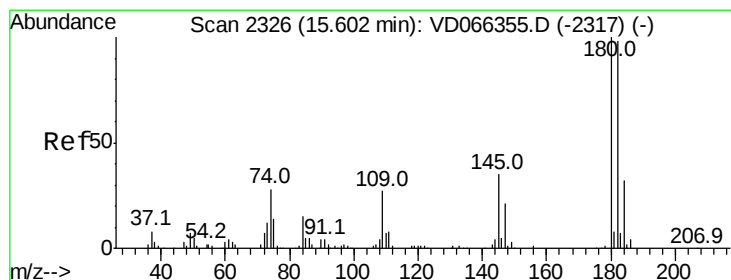
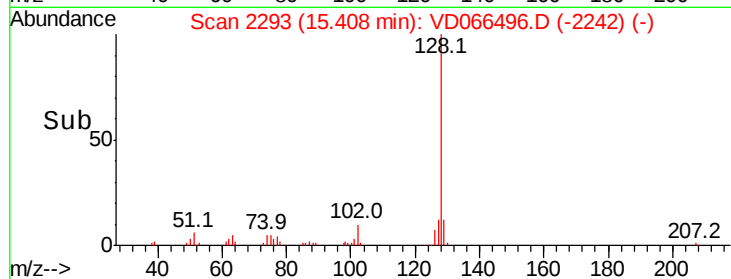
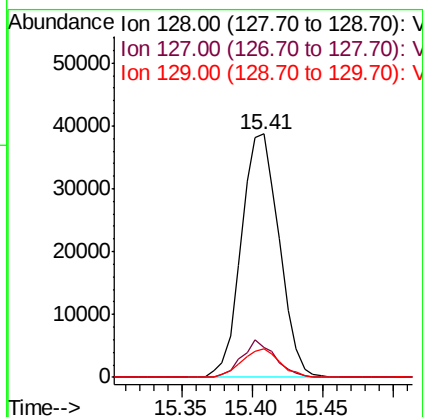
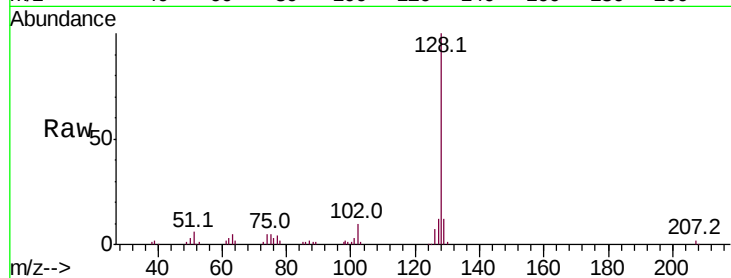




#95
Naphthalene
Concen: 20.339 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBSD01

Tot Ion:128 Resp: 72488
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.326 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066496.D
Acq: 01 Sep 2020 15:16

Tgt Ion:180 Resp: 41454
Ion Ratio Lower Upper
180 100
182 94.5 46.7 140.0
145 32.9 16.0 48.0

