

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066610.D
 Acq On : 10 Sep 2020 12:31
 Operator : VA/SY
 Sample : VD0910SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Quant Time: Sep 11 02:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	348852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	580624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	527521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	219796	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.91	113	201445	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	745759	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.63	95	245149	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71533	22.677	ug/l	93
3) Chloromethane	2.21	50	93636	21.224	ug/l	97
4) Vinyl Chloride	2.35	62	102223	20.891	ug/l	98
5) Bromomethane	2.76	94	70974	20.235	ug/l	89
6) Chloroethane	2.92	64	64797	20.849	ug/l	97
7) Trichlorofluoromethane	3.27	101	154012	21.306	ug/l	93
8) Diethyl Ether	3.71	74	34584	19.000	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84540	21.610	ug/l	99
10) Methyl Iodide	4.30	142	67186	21.336	ug/l	98
11) Tert butyl alcohol	5.21	59	30167	84.136	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	75966	21.614	ug/l	93
13) Acrolein	3.93	56	14941	86.574	ug/l	92
14) Allyl chloride	4.72	41	122238	21.221	ug/l	99
15) Acrylonitrile	5.43	53	78508	100.403	ug/l	97
16) Acetone	4.16	43	77532	99.834	ug/l	93
17) Carbon Disulfide	4.40	76	243569	21.080	ug/l	99
18) Methyl Acetate	4.71	43	37181	20.084	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	165190	20.042	ug/l	97
20) Methylene Chloride	4.96	84	101806	20.096	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	88319	21.161	ug/l	97
22) Diisopropyl ether	6.36	45	254571	21.491	ug/l	97
23) Vinyl Acetate	6.31	43	695182	103.130	ug/l	100
24) 1,1-Dichloroethane	6.26	63	157475	21.140	ug/l	98
25) 2-Butanone	7.21	43	102759	98.568	ug/l	94
26) 2,2-Dichloropropane	7.20	77	146197	21.396	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91994	20.496	ug/l	97
28) Bromochloromethane	7.54	49	54840	19.123	ug/l #	99
29) Tetrahydrofuran	7.56	42	65470	100.836	ug/l	100
30) Chloroform	7.71	83	165157	20.957	ug/l	98
31) Cyclohexane	7.98	56	143388	20.824	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	152246	20.548	ug/l	100
36) 1,1-Dichloropropene	8.11	75	128998	21.348	ug/l	98
37) Ethyl Acetate	7.29	43	45642	18.969	ug/l	97
38) Carbon Tetrachloride	8.09	117	139884	21.902	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Quant Time: Sep 11 02:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	142827	21.168	ug/l	95
40) Benzene	8.34	78	340364	20.567	ug/l	98
41) Methacrylonitrile	7.52	41	25285	21.709	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	107995	20.141	ug/l	100
43) Isopropyl Acetate	8.45	43	90277	19.578	ug/l	99
44) Trichloroethene	9.11	130	91609	21.103	ug/l	100
45) 1,2-Dichloropropane	9.38	63	86672	20.826	ug/l	97
46) Dibromomethane	9.47	93	47037	20.486	ug/l	95
47) Bromodichloromethane	9.66	83	126388	20.345	ug/l	98
48) Methyl methacrylate	9.45	41	48642	20.862	ug/l	96
49) 1,4-Dioxane	9.46	88	10042	398.648	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	233343	100.342	ug/l	99
52) Toluene	10.40	92	219395	20.943	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	113293	20.659	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	135853	20.629	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62040	21.015	ug/l	97
56) Ethyl methacrylate	10.66	69	69011	20.077	ug/l	95
57) 1,3-Dichloropropane	10.94	76	104223	20.155	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	175483	111.613	ug/l	96
59) 2-Hexanone	10.98	43	158297	101.223	ug/l	99
60) Dibromochloromethane	11.14	129	81827	20.960	ug/l	97
61) 1,2-Dibromoethane	11.24	107	56896	19.809	ug/l	99
64) Tetrachloroethene	10.87	164	72648	20.454	ug/l	97
65) Chlorobenzene	11.67	112	225747	20.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85378	20.547	ug/l	97
67) Ethyl Benzene	11.74	91	407586	20.388	ug/l	98
68) m/p-Xylenes	11.85	106	308063	41.501	ug/l	96
69) o-Xylene	12.18	106	139701	21.000	ug/l	99
70) Styrene	12.19	104	241220	20.857	ug/l	99
71) Bromoform	12.36	173	43797	20.914	ug/l #	96
73) Isopropylbenzene	12.48	105	391507	21.664	ug/l	100
74) N-amyl acetate	12.29	43	80980	19.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64861	20.315	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	88727	37.796	ug/l #	100
77) Bromobenzene	12.76	156	87037	21.602	ug/l	98
78) n-propylbenzene	12.82	91	466532	21.295	ug/l	99
79) 2-Chlorotoluene	12.91	91	267106	21.733	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	328466	21.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21011	20.896	ug/l	96
82) 4-Chlorotoluene	13.00	91	282226	21.474	ug/l	99
83) tert-Butylbenzene	13.23	119	271936	21.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	329343	21.747	ug/l	97
85) sec-Butylbenzene	13.40	105	385436	21.538	ug/l	99
86) p-Isopropyltoluene	13.52	119	353630	21.954	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	171198	21.403	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	166644	20.757	ug/l	97
89) n-Butylbenzene	13.84	91	337471	21.500	ug/l	98
90) Hexachloroethane	14.11	117	70785	20.395	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	144191	20.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10876	20.053	ug/l	96

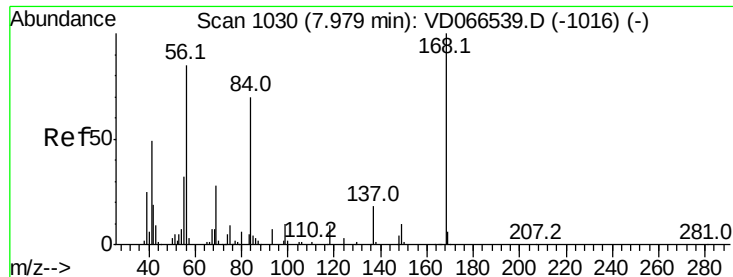
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
Data File : VD066610.D
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Instrument :
MSVOA_D
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Quant Time: Sep 11 02:06:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88989	21.209	ug/l	97
94) Hexachlorobutadiene	15.27	225	50974	20.222	ug/l	95
95) Naphthalene	15.41	128	152452	20.792	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	76159	21.290	ug/l	97

(#) = 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. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

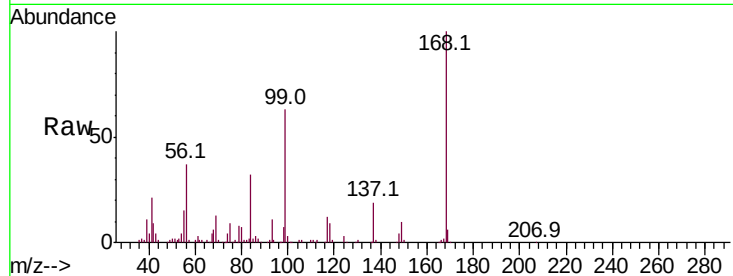
VD0910SBS01

Tot Ion:168 Resp: 348852

Ion Ratio Lower Upper

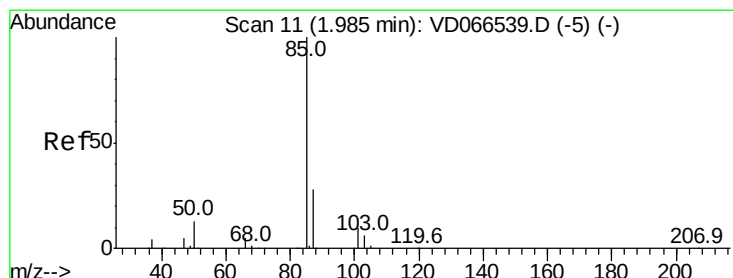
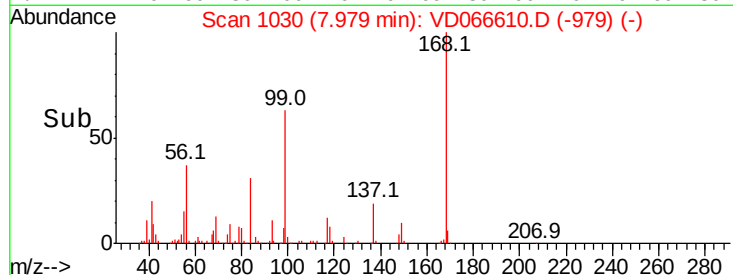
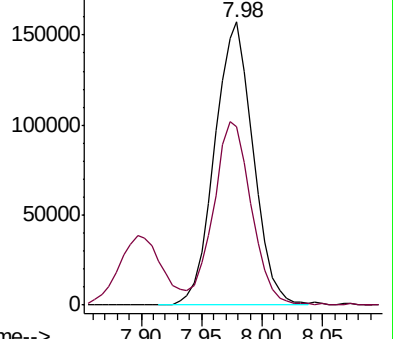
168 100

99 62.5 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.677 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066610.D

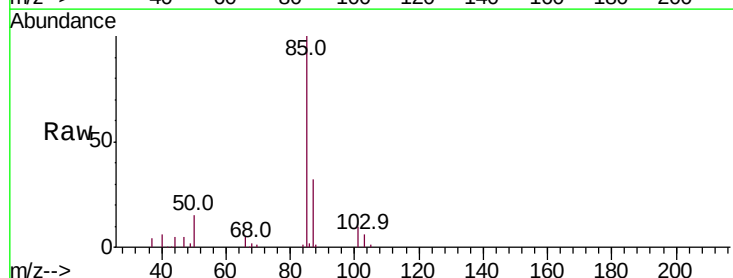
Acq: 10 Sep 2020 12:31

Tgt Ion: 85 Resp: 71533

Ion Ratio Lower Upper

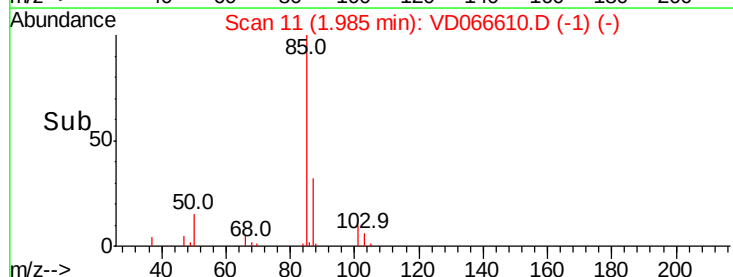
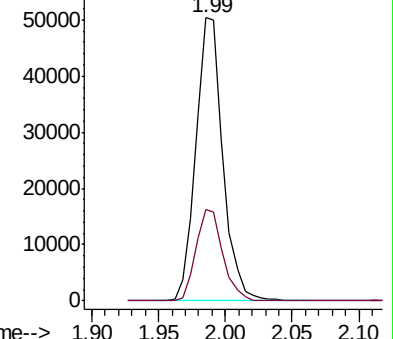
85 100

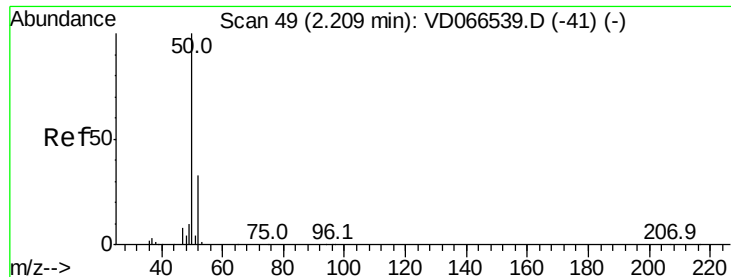
87 32.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.224 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

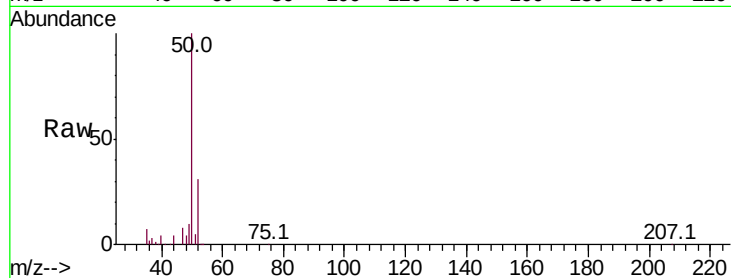
VD0910SBS01

Tot Ion: 50 Resp: 93636

Ion Ratio Lower Upper

50 100

52 31.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

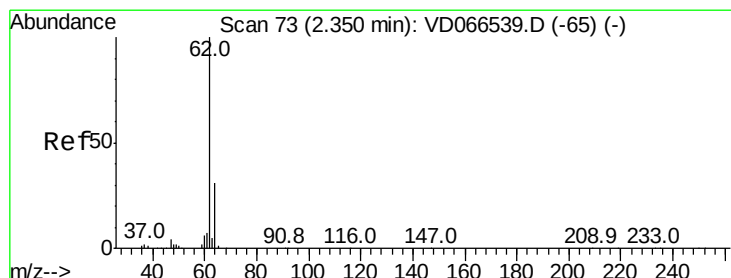
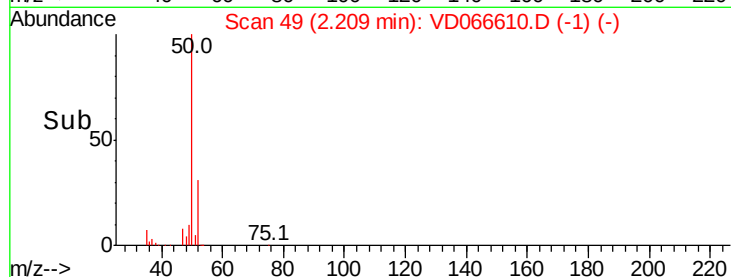
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.891 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066610.D

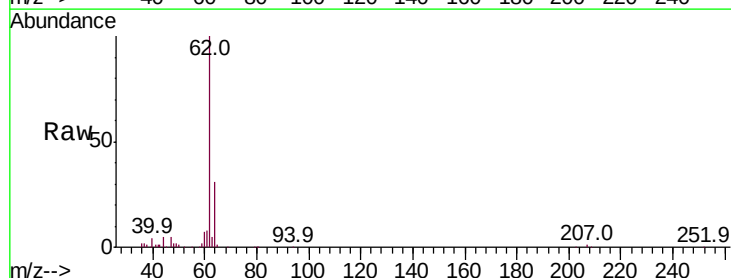
Acq: 10 Sep 2020 12:31

Tgt Ion: 62 Resp: 102223

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

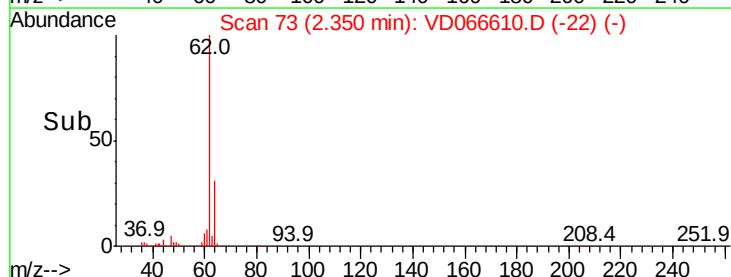
40000

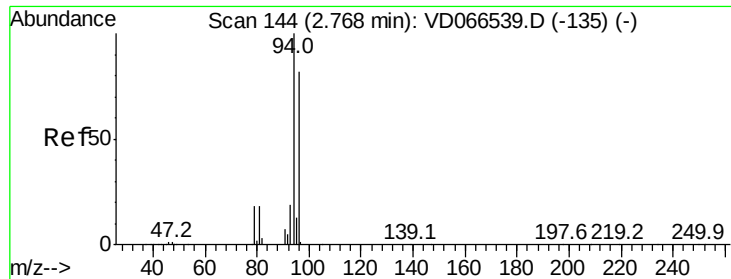
20000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 20.235 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

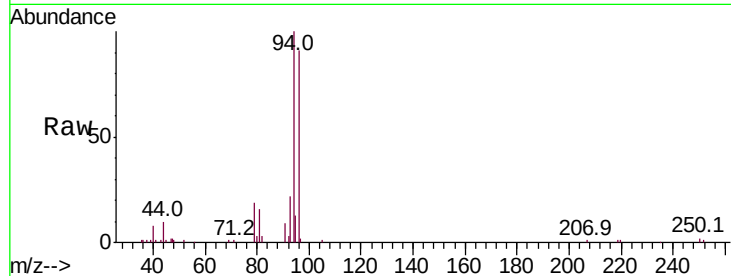
VD0910SBS01

Tot Ion: 94 Resp: 70974

Ion Ratio Lower Upper

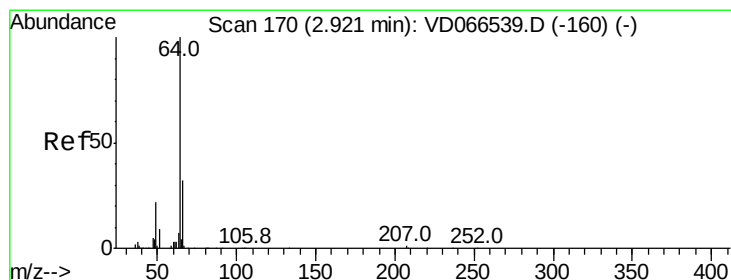
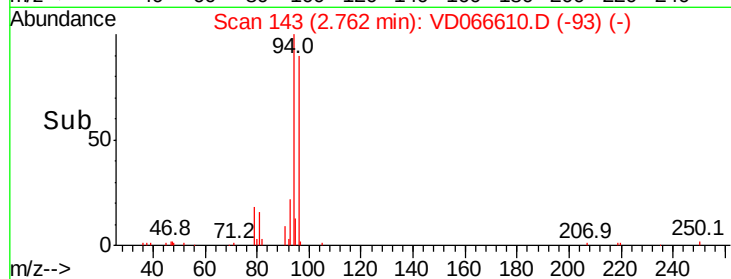
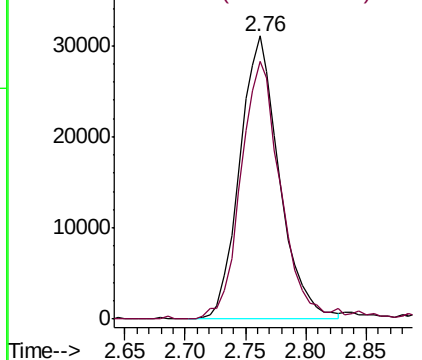
94 100

96 90.9 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.849 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066610.D

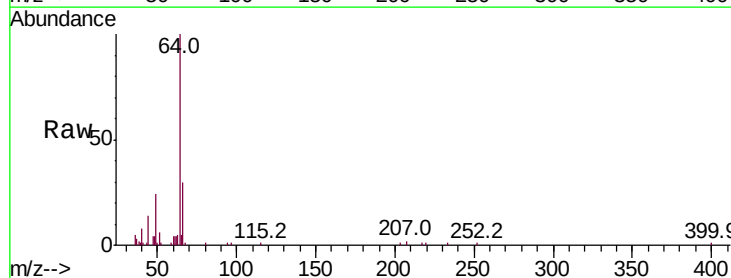
Acq: 10 Sep 2020 12:31

Tgt Ion: 64 Resp: 64797

Ion Ratio Lower Upper

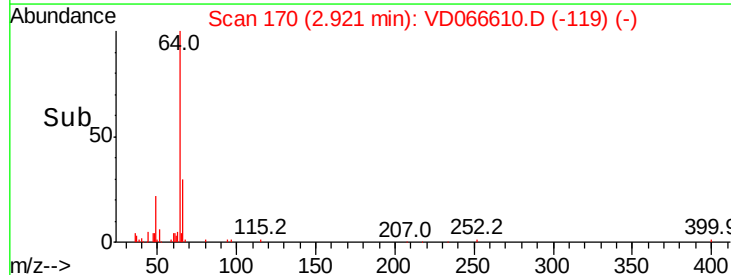
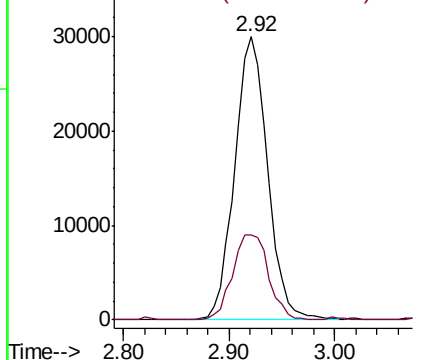
64 100

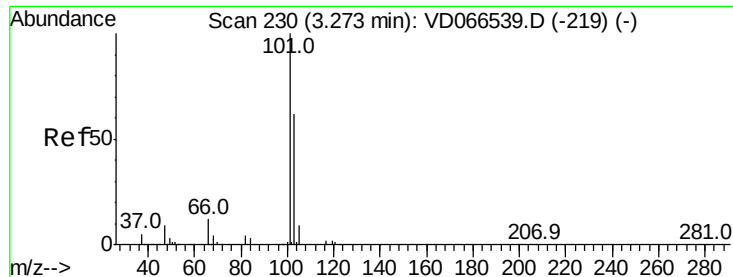
66 30.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.306 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

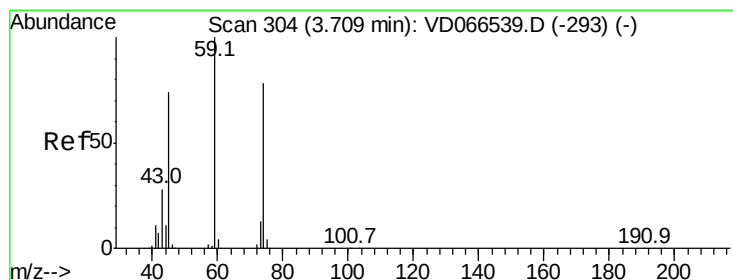
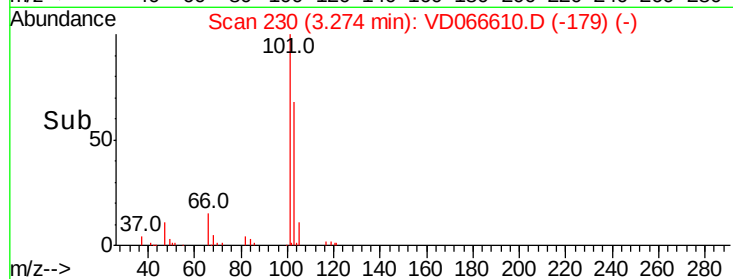
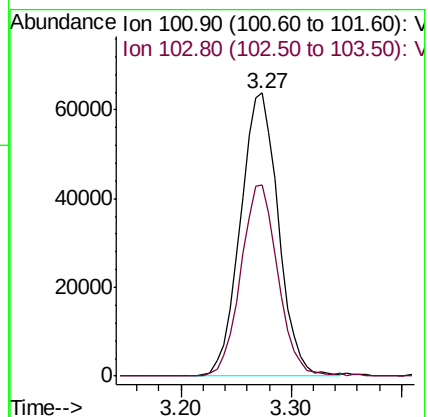
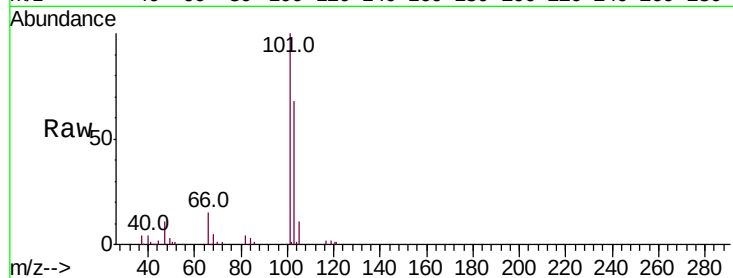
VD0910SBS01

Tot Ion:101 Resp: 154012

Ion Ratio Lower Upper

101 100

103 67.6 49.7 74.5



#8

Diethyl Ether

Concen: 19.000 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066610.D

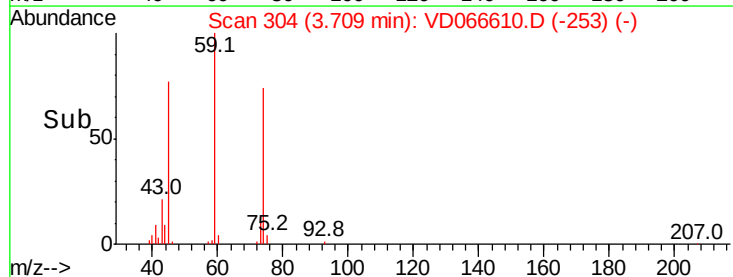
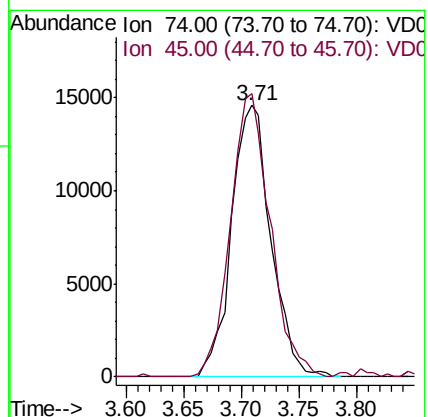
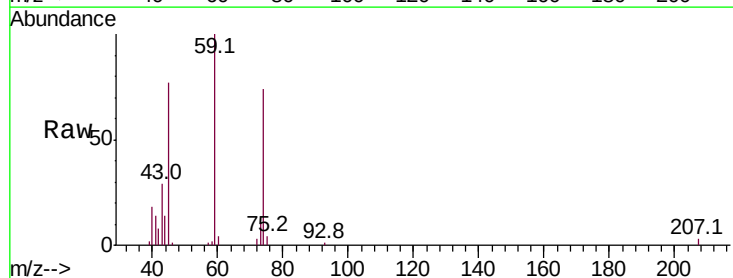
Acq: 10 Sep 2020 12:31

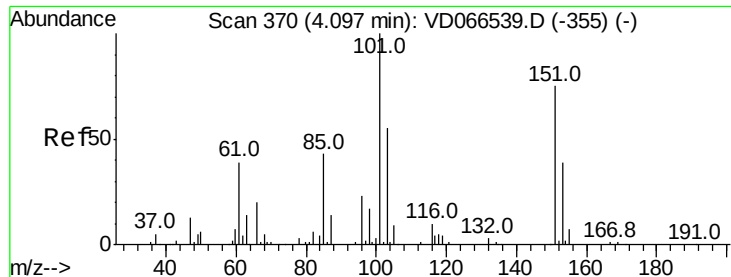
Tgt Ion: 74 Resp: 34584

Ion Ratio Lower Upper

74 100

45 105.4 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.610 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

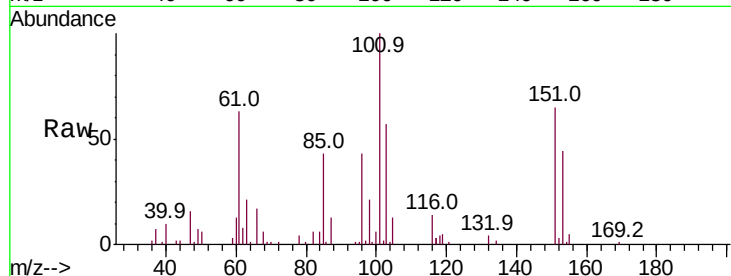
Tot Ion:101 Resp: 84540

Ion Ratio Lower Upper

101 100

85 47.3 37.0 55.6

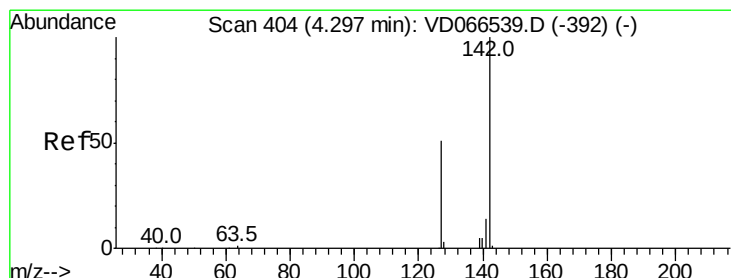
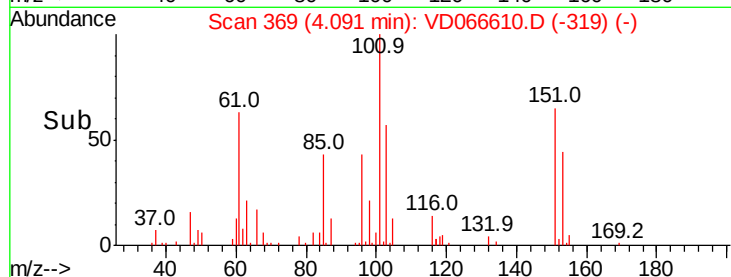
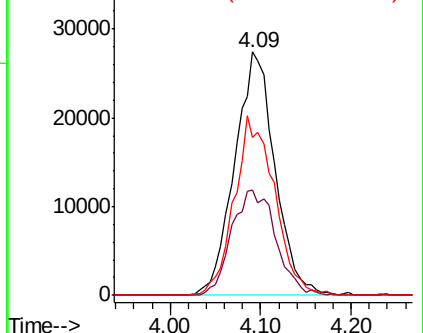
151 73.5 59.4 89.2



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: 21.336 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

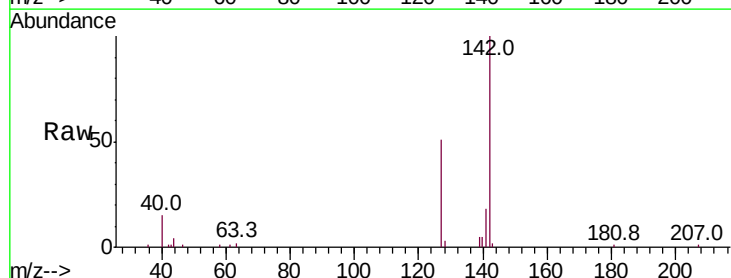
Tgt Ion:142 Resp: 67186

Ion Ratio Lower Upper

142 100

127 52.0 40.6 61.0

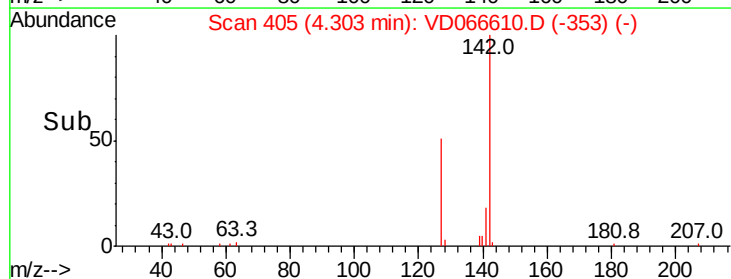
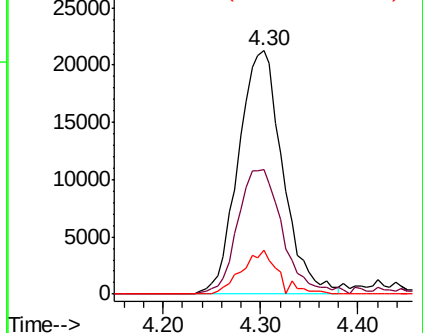
141 14.8 12.2 18.4

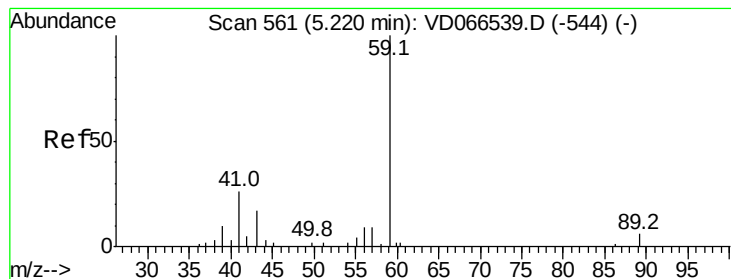


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



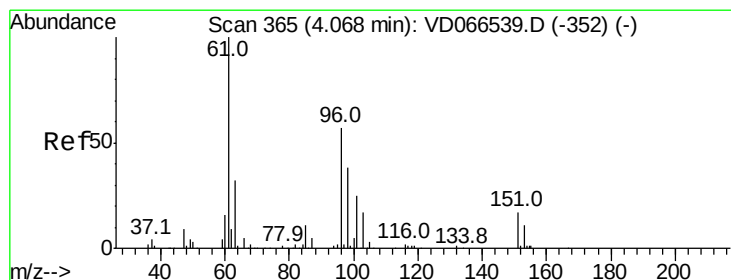
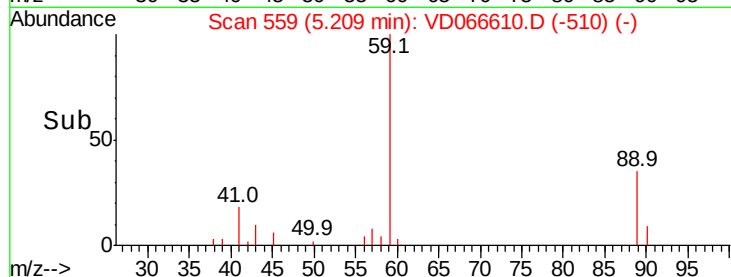
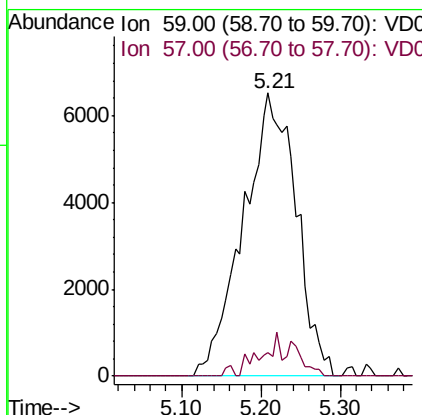
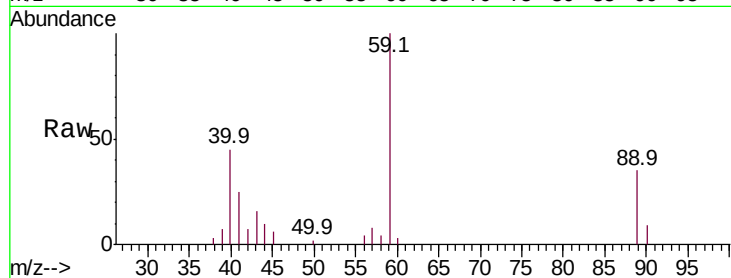


#11

Tert butyl alcohol
 Concen: 84.136 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

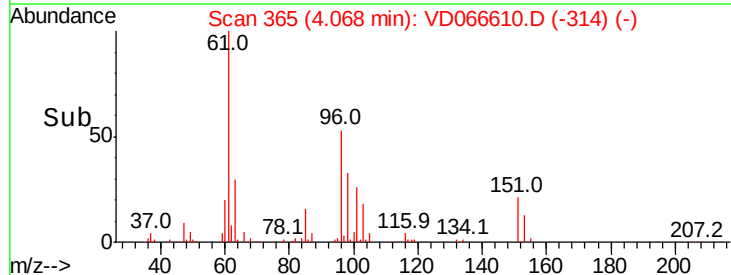
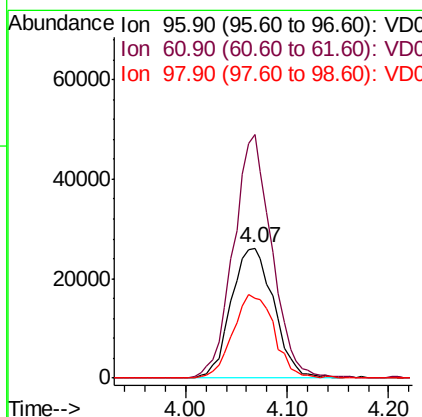
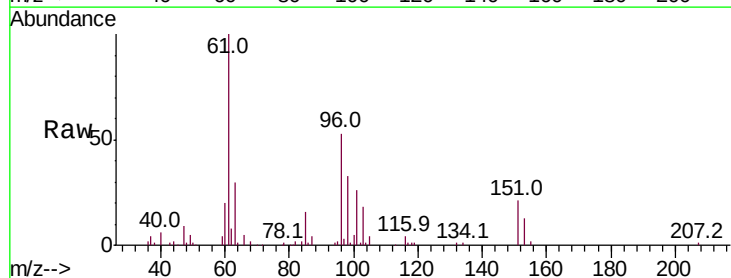
Tot Ion: 59 Resp: 30167
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.6 11.4#

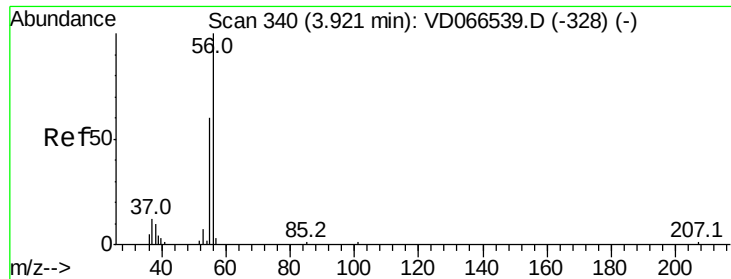


#12

1,1-Dichloroethene
 Concen: 21.614 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 96 Resp: 75966
 Ion Ratio Lower Upper
 96 100
 61 187.1 140.9 211.3
 98 61.6 53.2 79.8





#13

Acrolein

Concen: 86.574 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

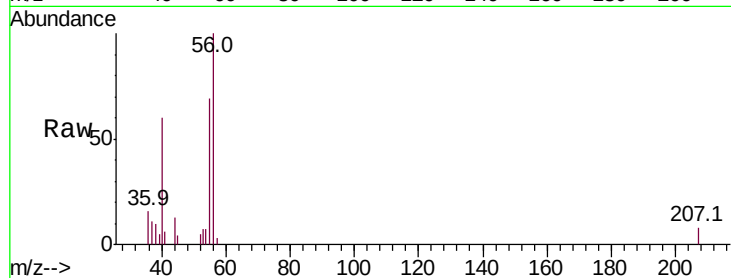
VD0910SBS01

Tot Ion: 56 Resp: 14941

Ion Ratio Lower Upper

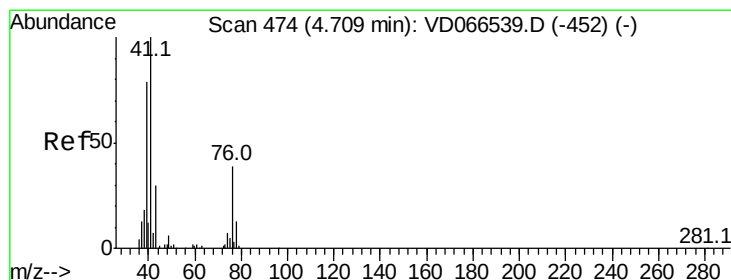
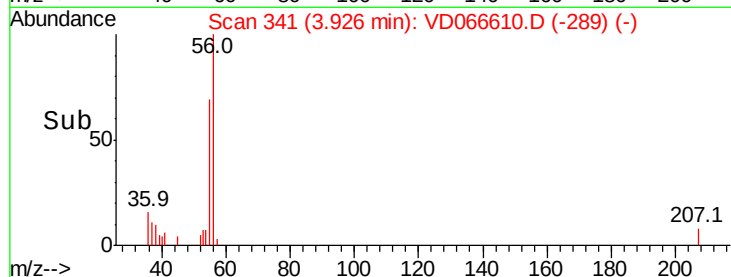
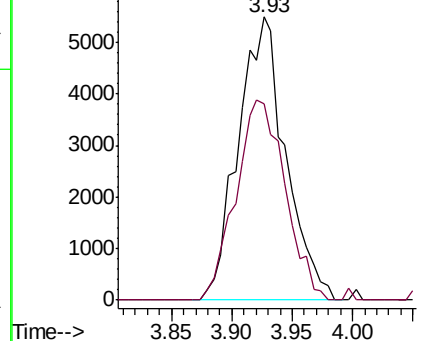
56 100

55 73.5 53.6 80.4



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.221 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

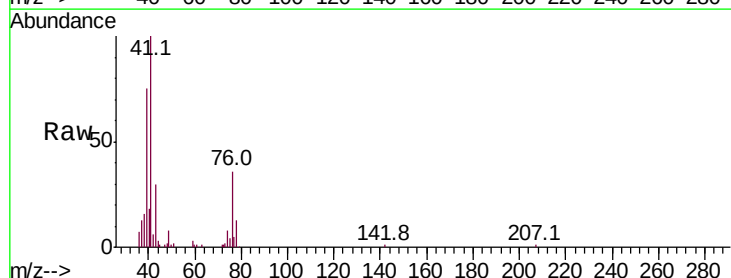
Tgt Ion: 41 Resp: 122238

Ion Ratio Lower Upper

41 100

39 76.5 61.9 92.9

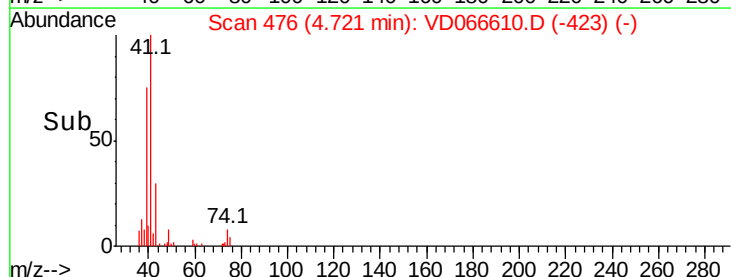
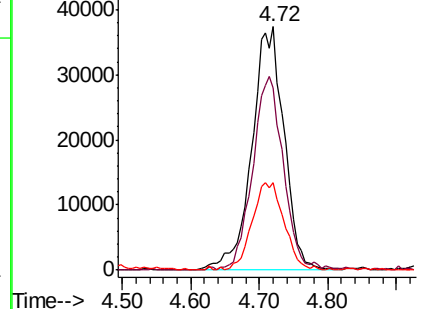
76 35.9 29.0 43.6

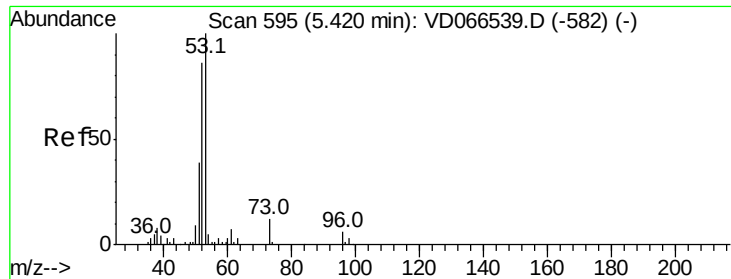


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.403 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

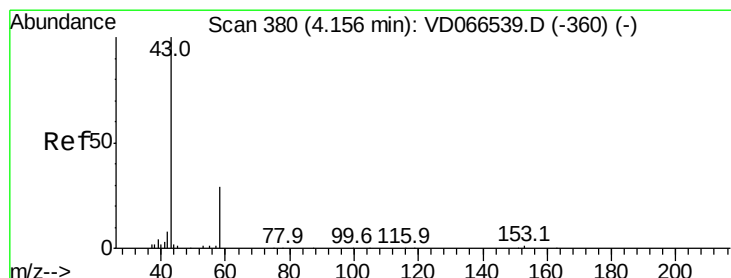
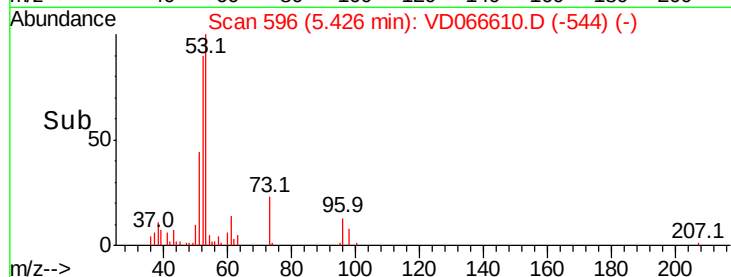
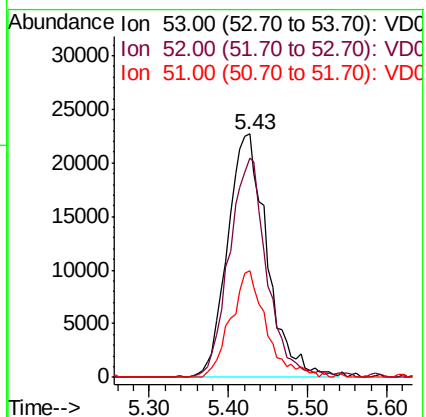
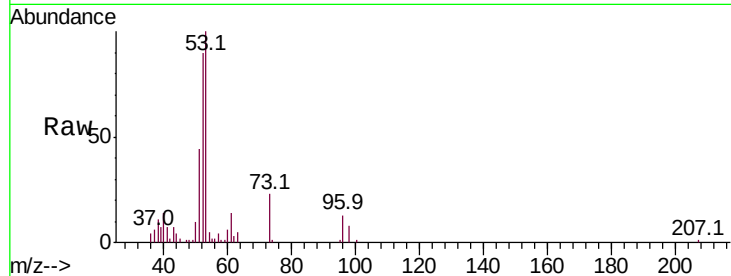
Tot Ion: 53 Resp: 78508

Ion Ratio Lower Upper

53 100

52 85.6 65.4 98.2

51 39.4 31.2 46.8



#16

Acetone

Concen: 99.834 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066610.D

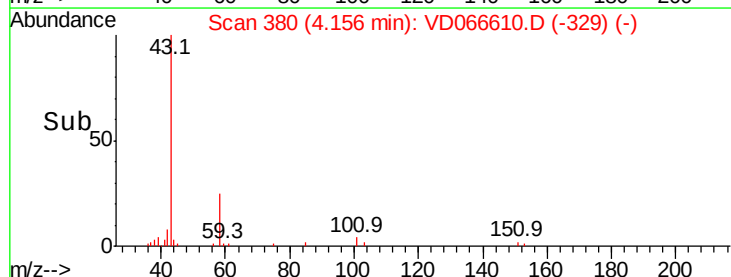
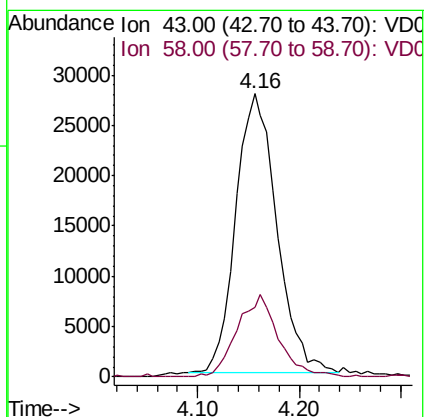
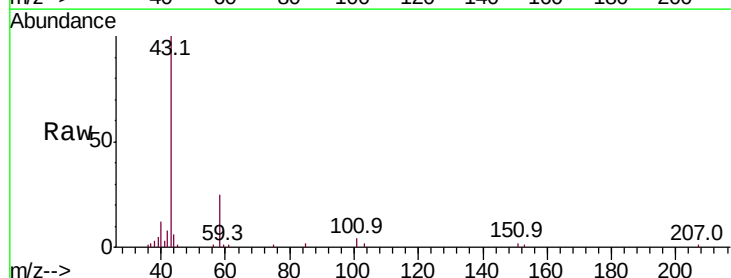
Acq: 10 Sep 2020 12:31

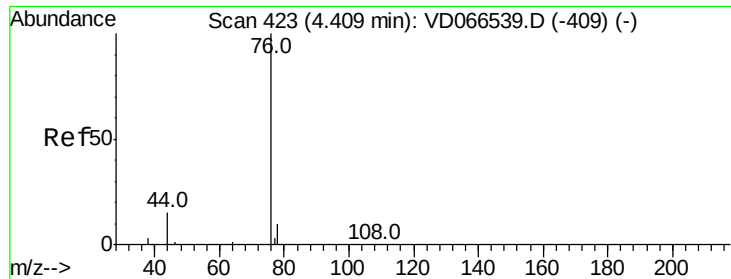
Tgt Ion: 43 Resp: 77532

Ion Ratio Lower Upper

43 100

58 25.0 22.9 34.3





#17

Carbon Disulfide

Concen: 21.080 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

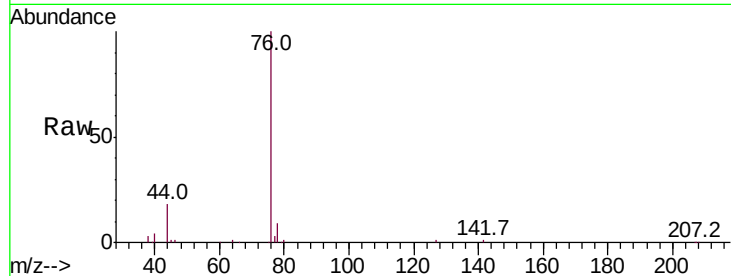
VD0910SBS01

Tot Ion: 76 Resp: 243569

Ion Ratio Lower Upper

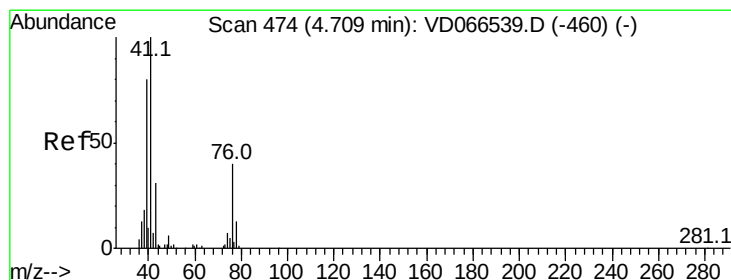
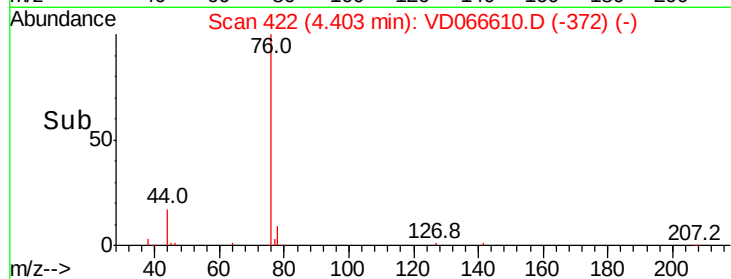
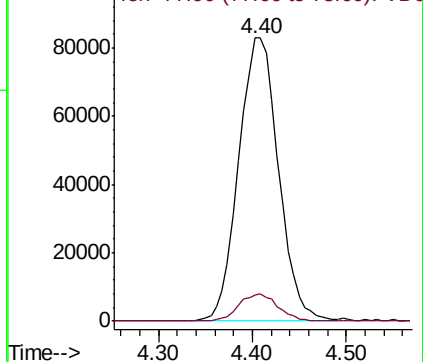
76 100

78 9.2 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.084 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066610.D

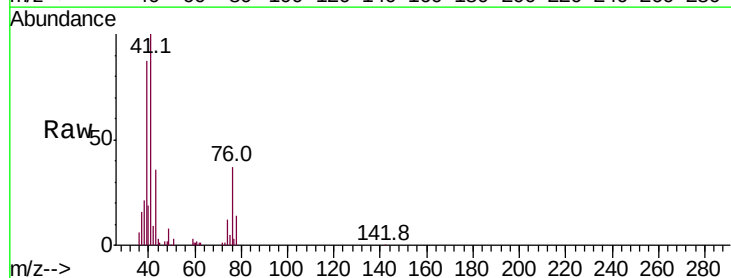
Acq: 10 Sep 2020 12:31

Tgt Ion: 43 Resp: 37181

Ion Ratio Lower Upper

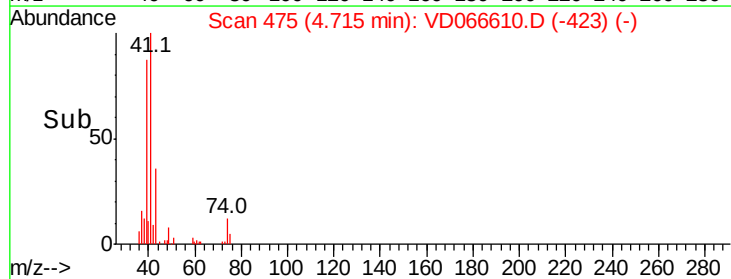
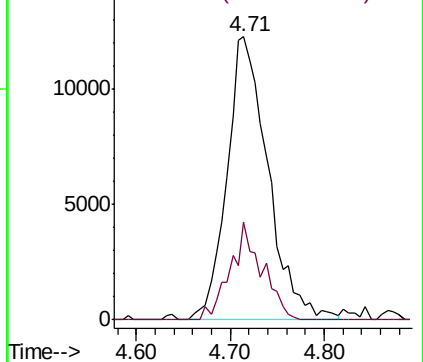
43 100

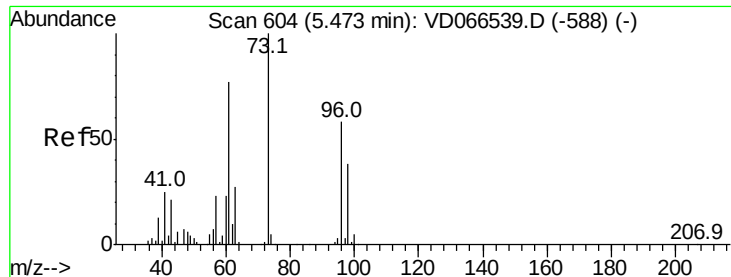
74 26.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



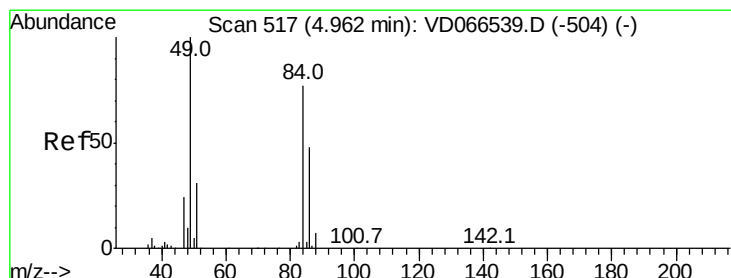
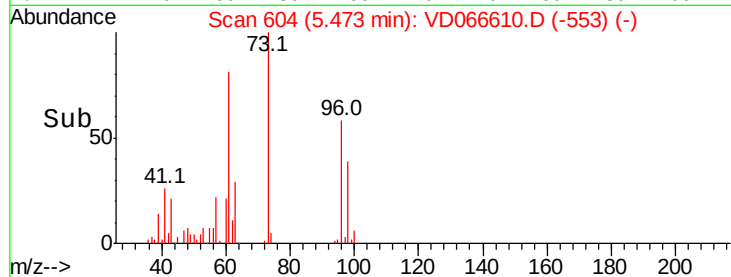
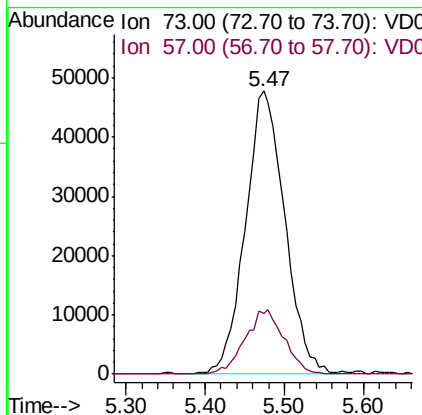
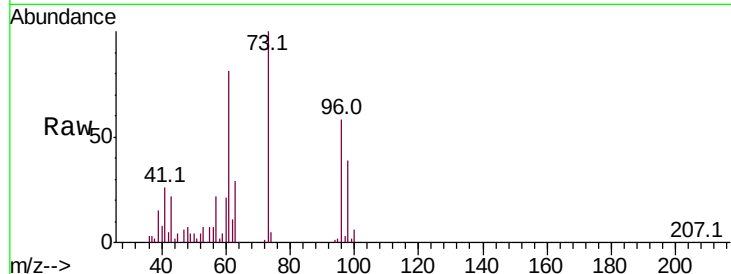


#19

Methyl tert-butyl Ether
 Concen: 20.042 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

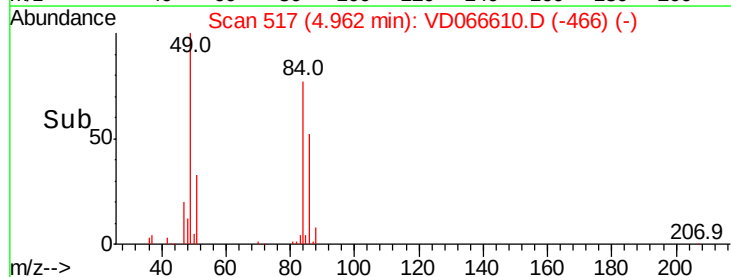
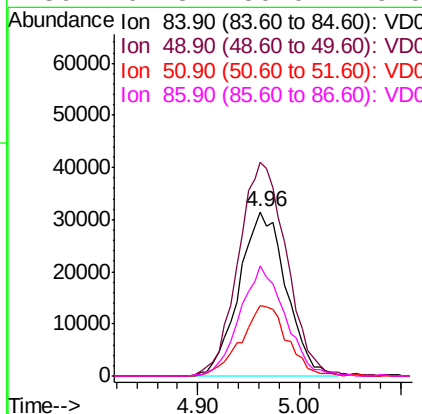
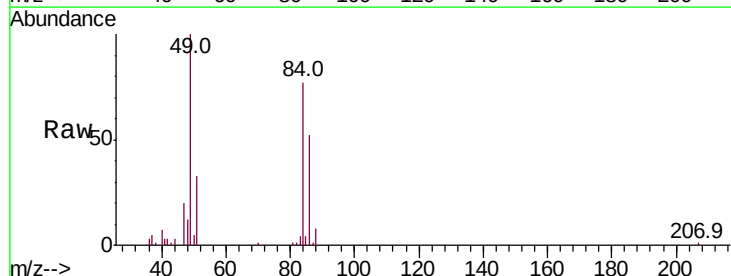
Tot Ion: 73 Resp: 165190
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.3 27.5

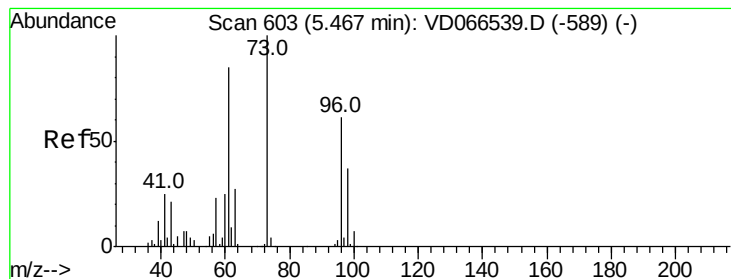


#20

Methylene Chloride
 Concen: 20.096 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 84 Resp: 101806
 Ion Ratio Lower Upper
 84 100
 49 130.2 104.3 156.5
 51 43.3 32.2 48.4
 86 67.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.161 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

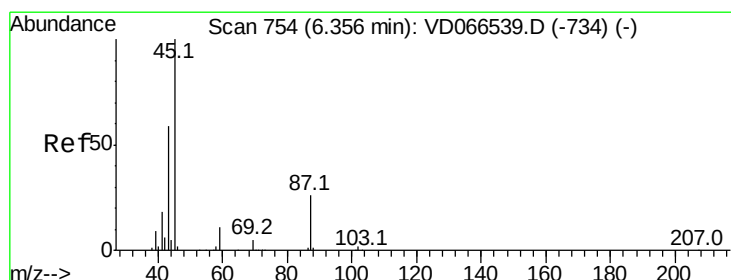
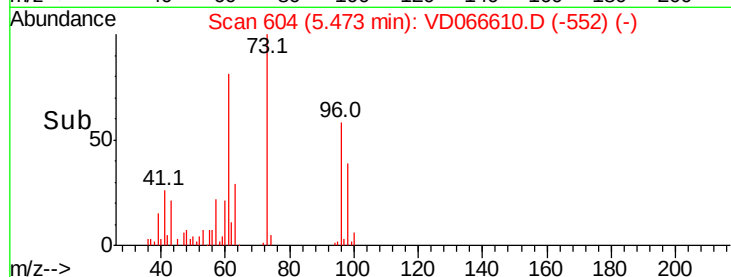
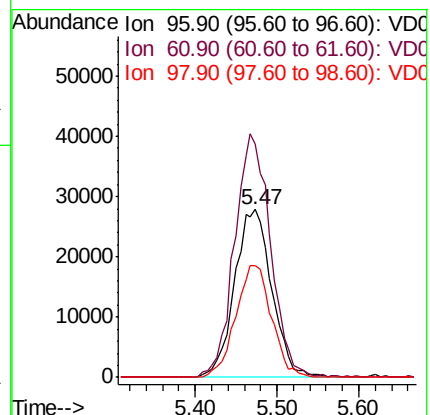
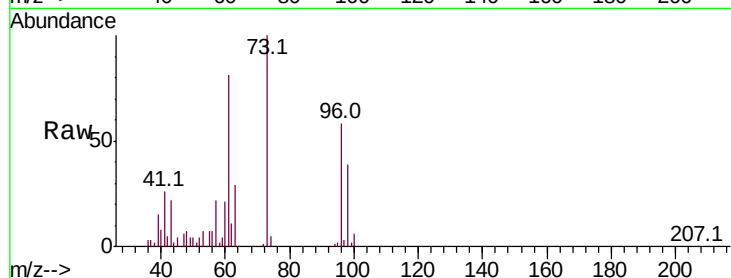
Tot Ion: 96 Resp: 88319

Ion Ratio Lower Upper

96 100

61 139.3 112.1 168.1

98 66.4 48.6 72.8



#22

Diisopropyl ether

Concen: 21.491 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion: 45 Resp: 254571

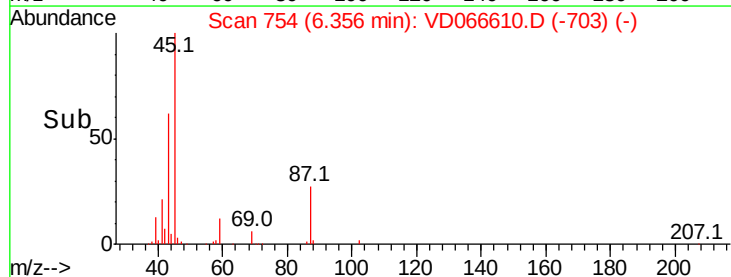
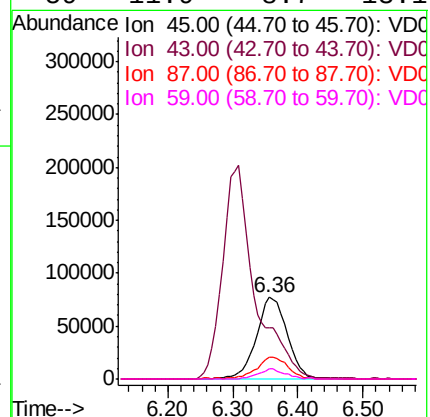
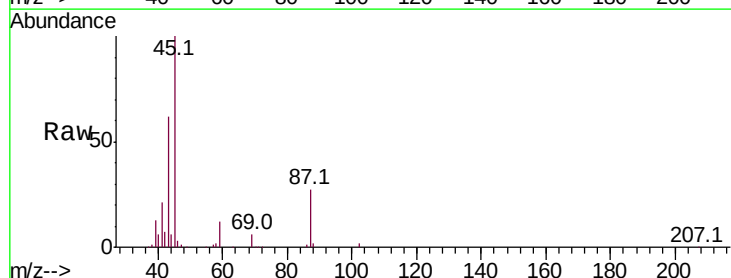
Ion Ratio Lower Upper

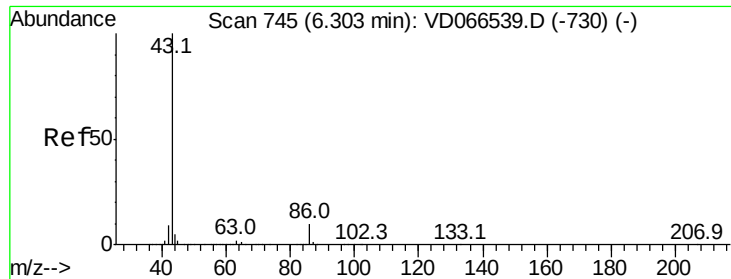
45 100

43 61.8 47.0 70.4

87 26.7 21.3 31.9

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 103.130 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

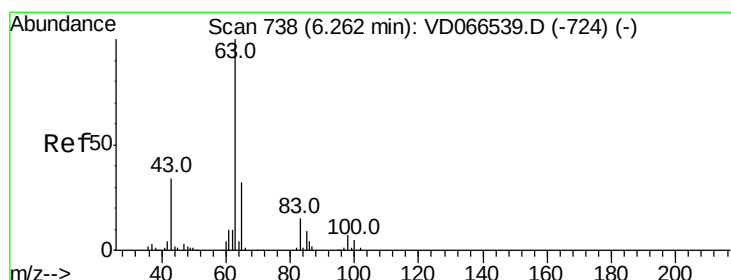
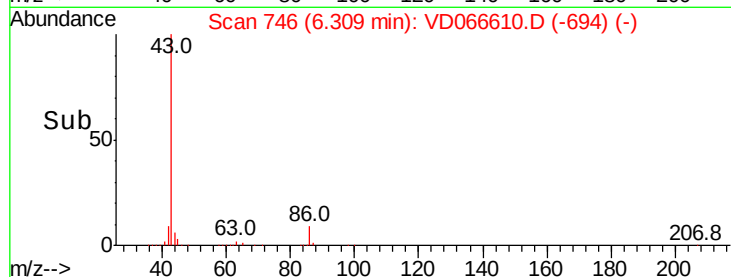
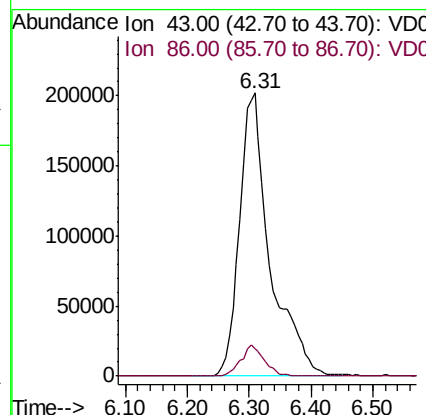
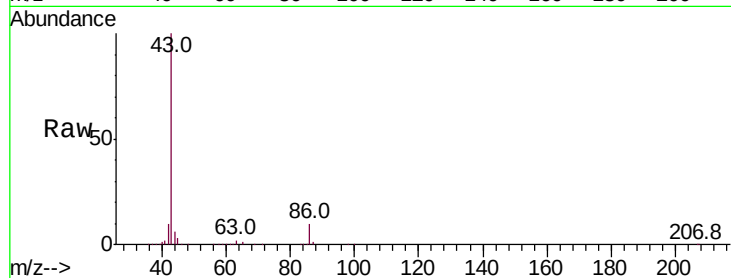
Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 695182

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.7	11.5



#24

1,1-Dichloroethane

Concen: 21.140 ug/l

RT: 6.26 min Scan# 738

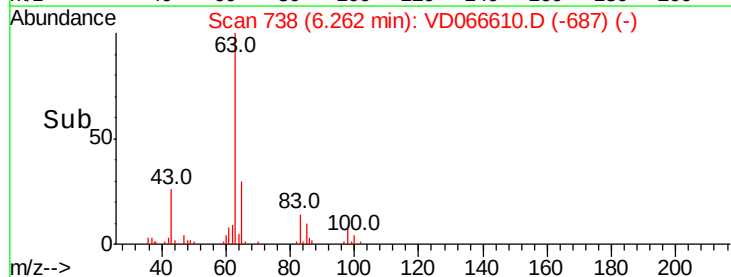
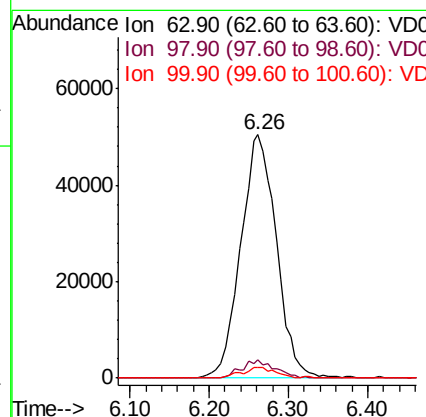
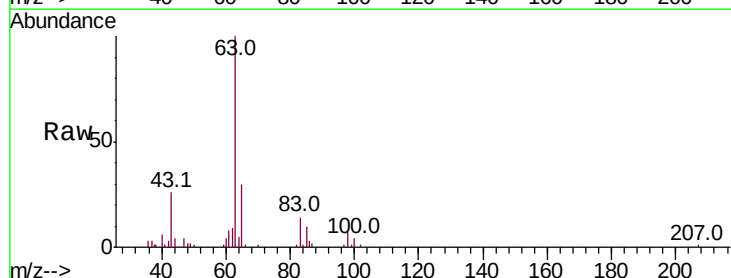
Delta R.T. 0.00 min

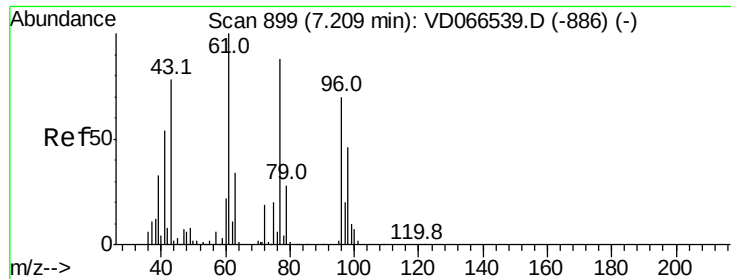
Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion: 63 Resp: 157475

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	4.5	2.5	7.4





#25

2-Butanone

Concen: 98.568 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

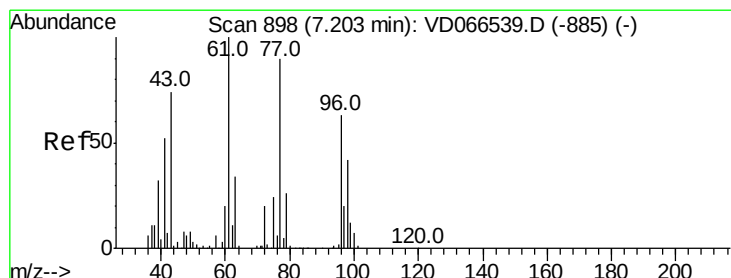
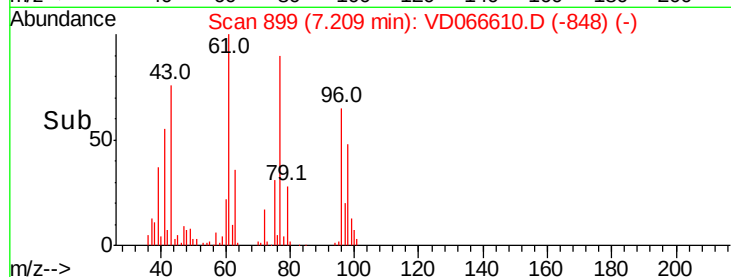
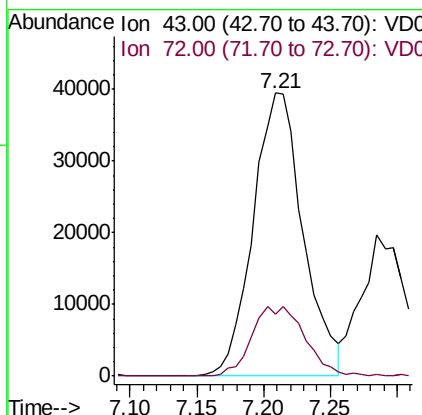
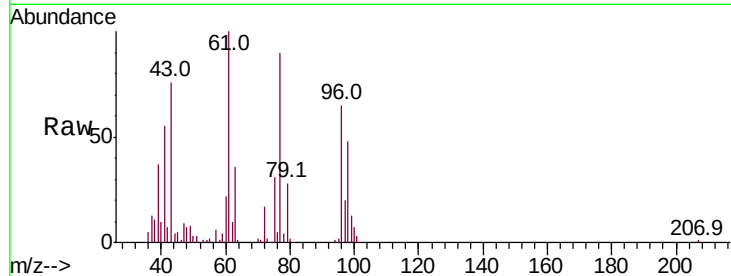
VD0910SBS01

Tot Ion: 43 Resp: 102759

Ion Ratio Lower Upper

43 100

72 21.9 19.8 29.6



#26

2,2-Dichloropropane

Concen: 21.396 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD066610.D

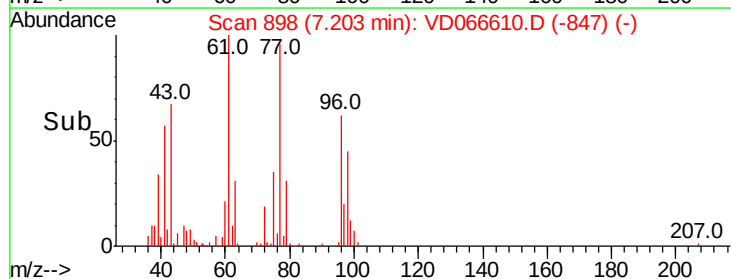
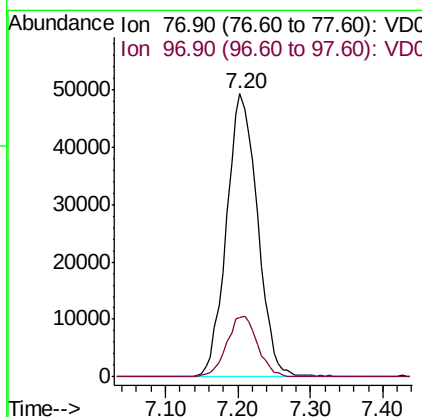
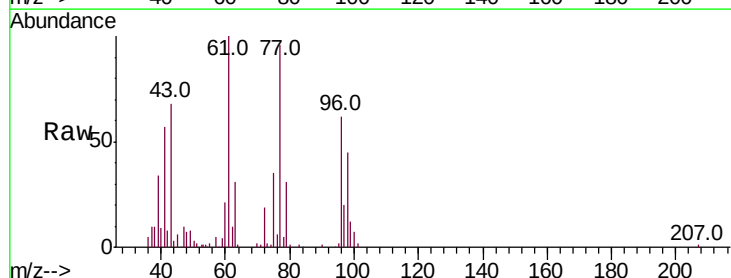
Acq: 10 Sep 2020 12:31

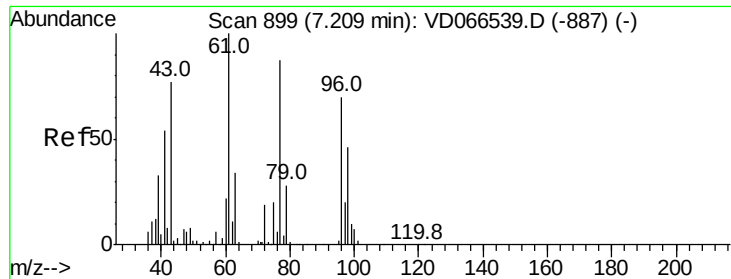
Tgt Ion: 77 Resp: 146197

Ion Ratio Lower Upper

77 100

97 21.2 10.8 32.3



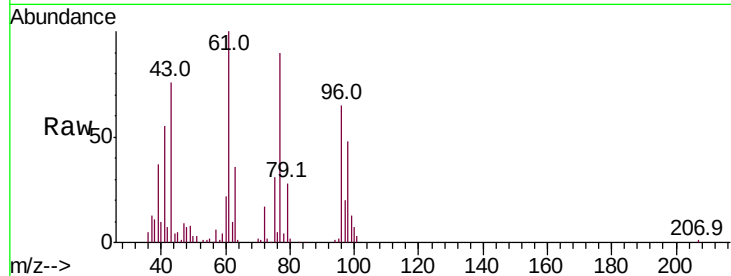


#27

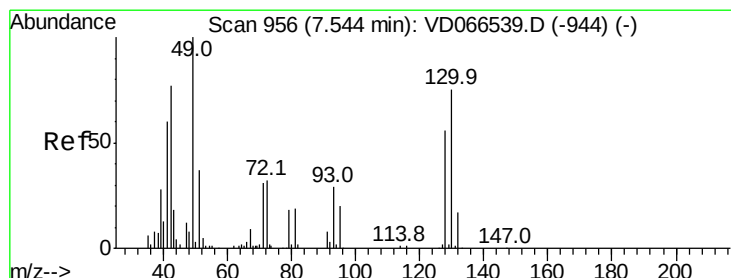
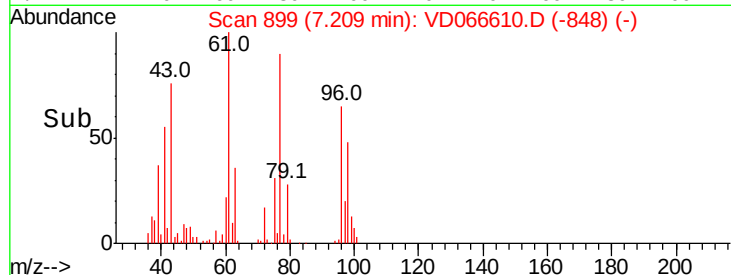
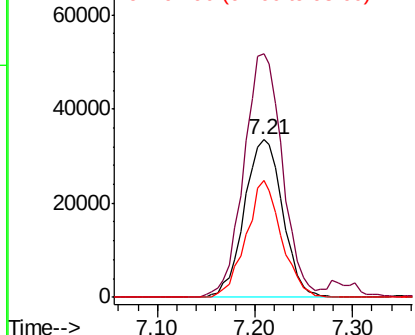
cis-1,2-Dichloroethene
 Concen: 20.496 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 96 Resp: 91994
 Ion Ratio Lower Upper
 96 100
 61 154.6 0.0 301.0
 98 68.0 0.0 129.8



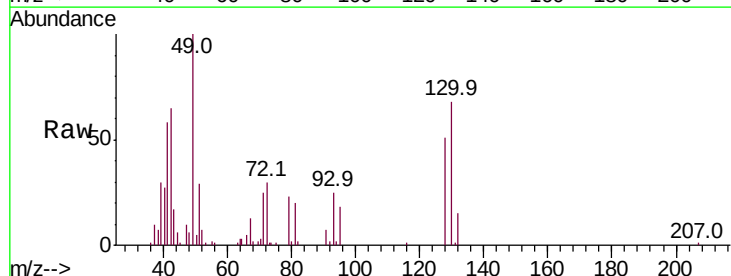
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



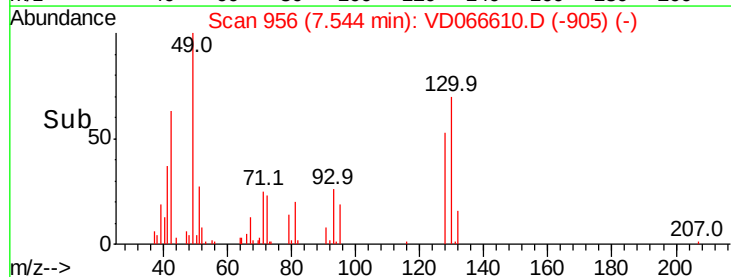
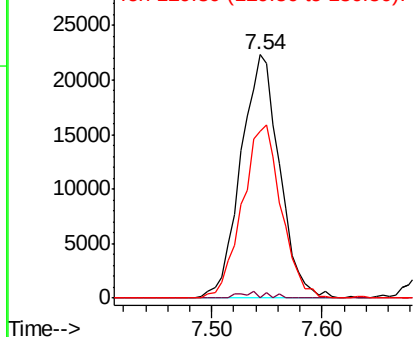
#28

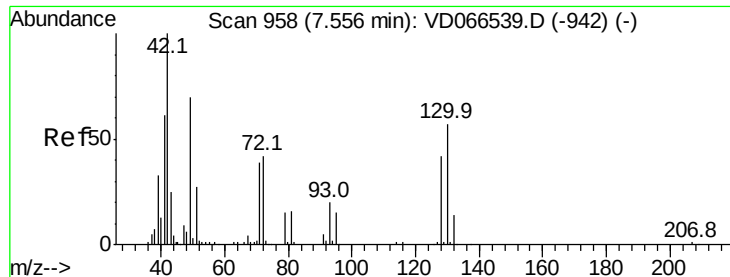
Bromochloromethane
 Concen: 19.123 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 49 Resp: 54840
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.6
 130 71.5 58.2 87.2



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

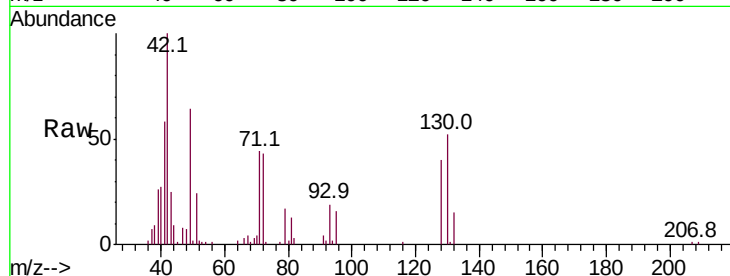




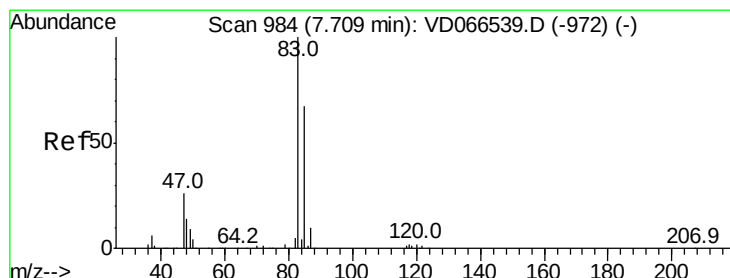
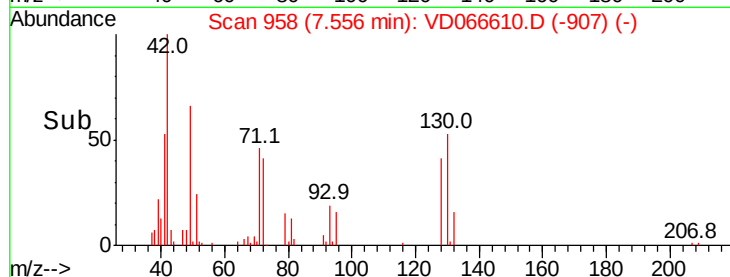
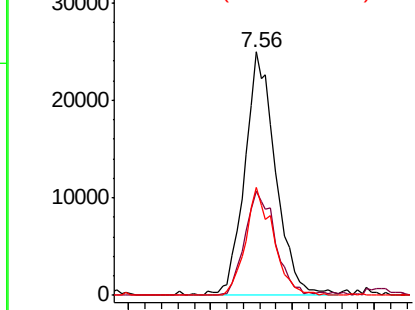
#29
Tetrahydrofuran
Concen: 100.836 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 42 Resp: 65470
Ion Ratio Lower Upper
42 100
72 42.1 33.4 50.0
71 39.8 31.9 47.9

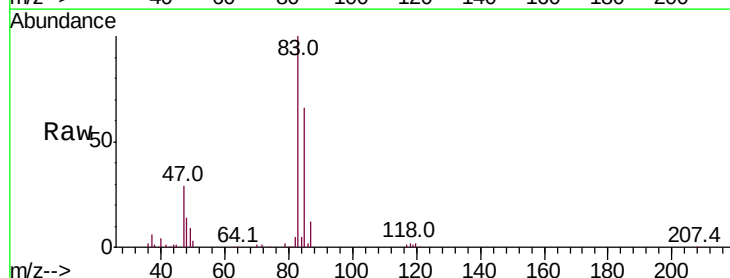


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

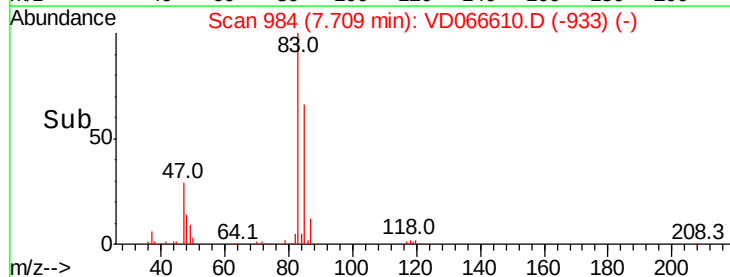
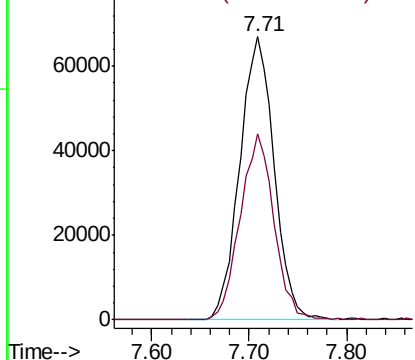


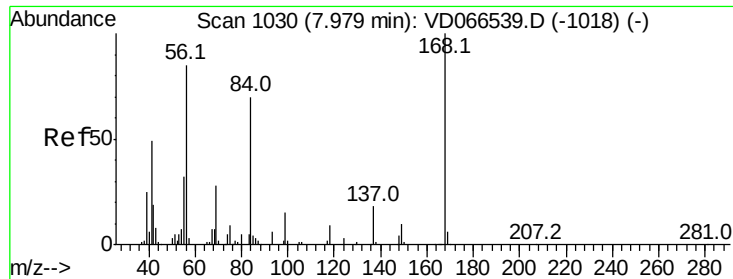
#30
Chloroform
Concen: 20.957 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 83 Resp: 165157
Ion Ratio Lower Upper
83 100
85 65.7 53.6 80.4



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

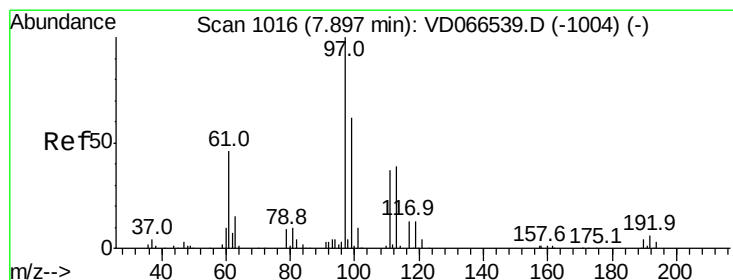
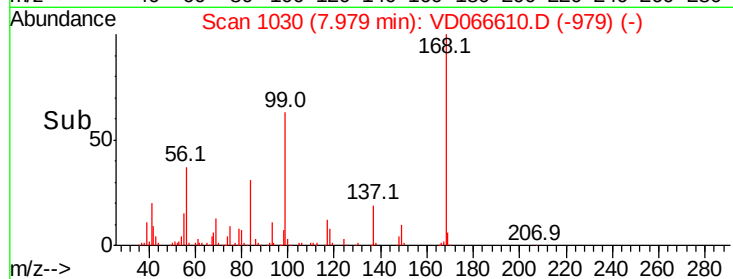
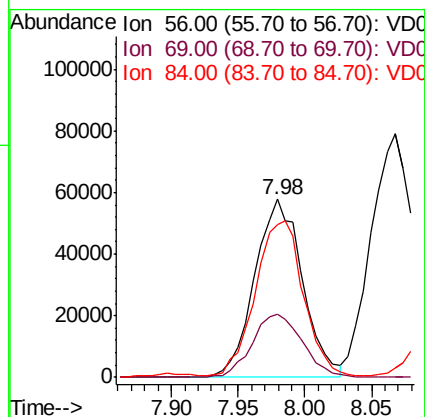
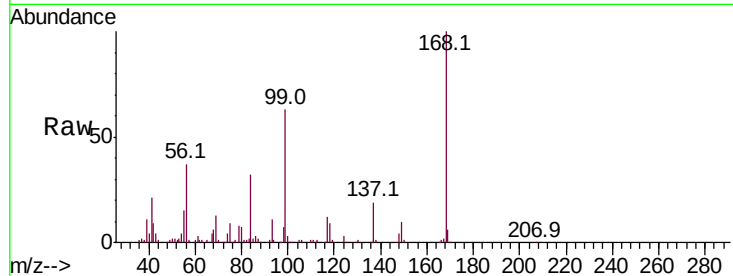




#31
Cyclohexane
Concen: 20.824 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

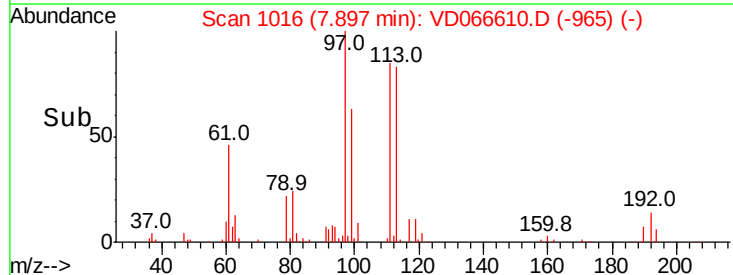
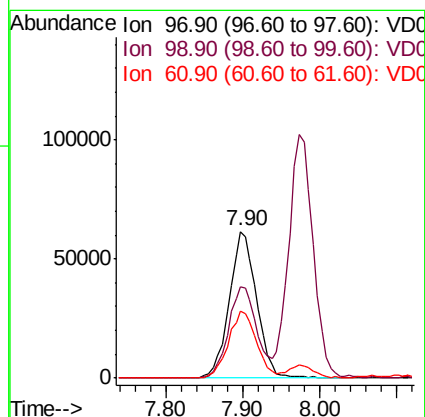
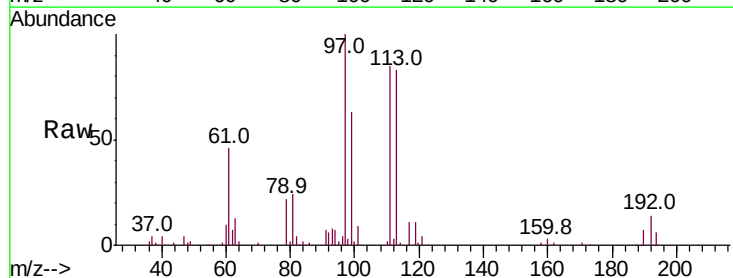
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

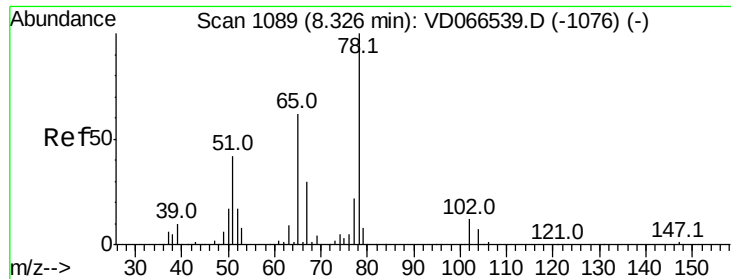
Tot Ion: 56 Resp: 143388
Ion Ratio Lower Upper
56 100
69 35.1 26.3 39.5
84 84.6 66.1 99.1



#32
1,1,1-Trichloroethane
Concen: 20.548 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 97 Resp: 152246
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 46.7 37.4 56.0

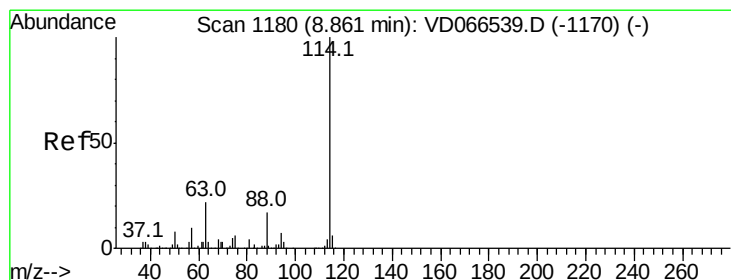
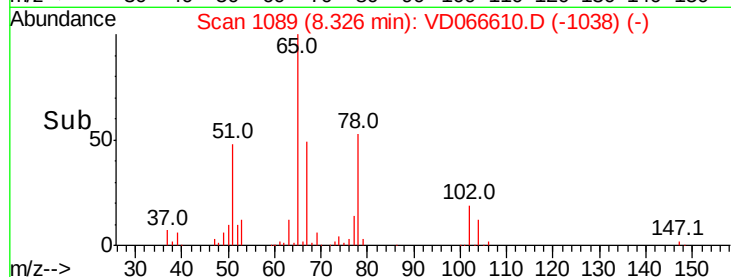
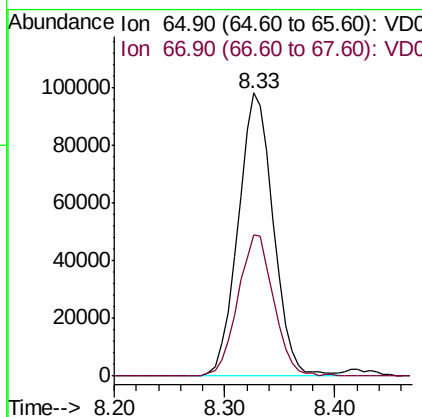
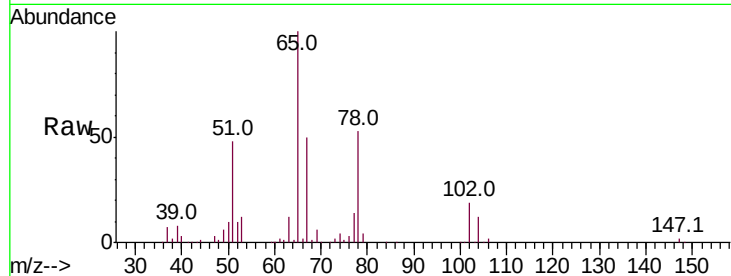




#33
 1,2-Dichloroethane-d4
 Concen: 52.075 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

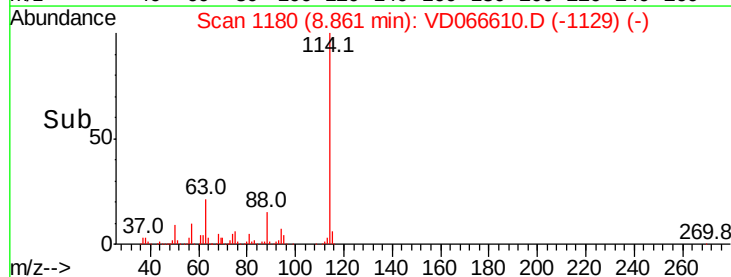
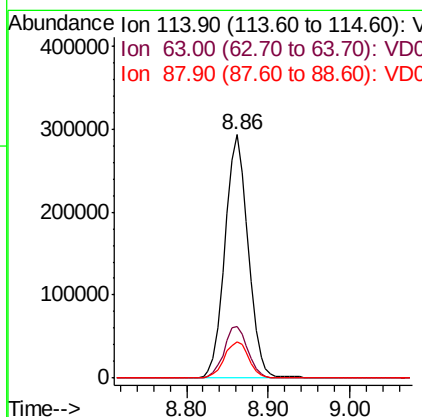
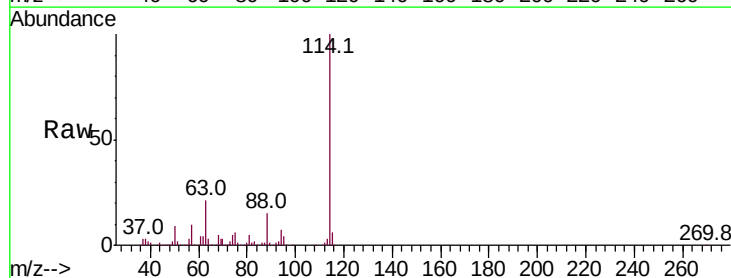
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

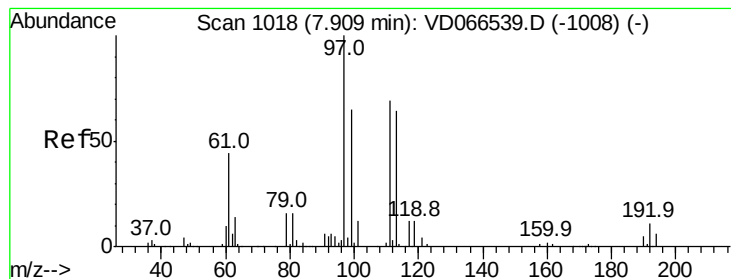
Tot Ion: 65 Resp: 219796
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 114 Resp: 580624
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.429 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

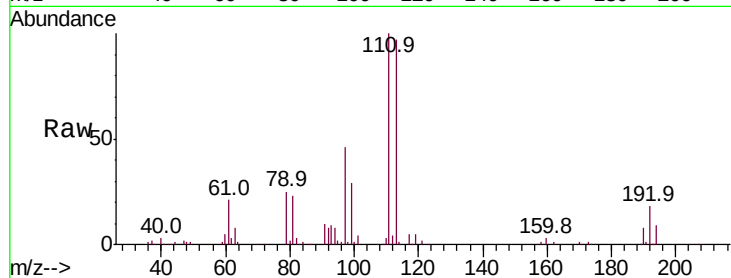
Tot Ion:113 Resp: 201445

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

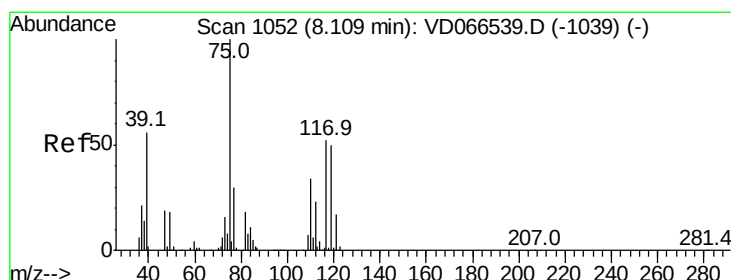
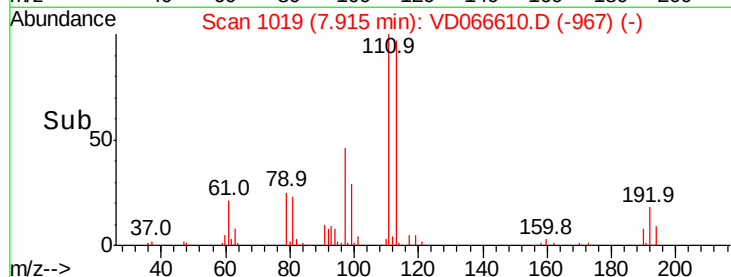
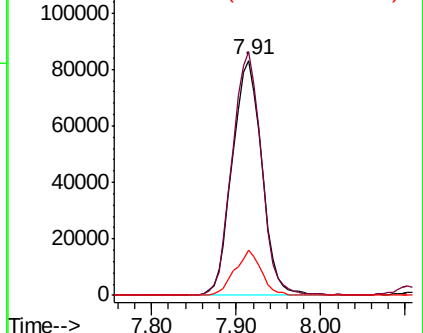
192 17.1 13.7 20.5



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: 21.348 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

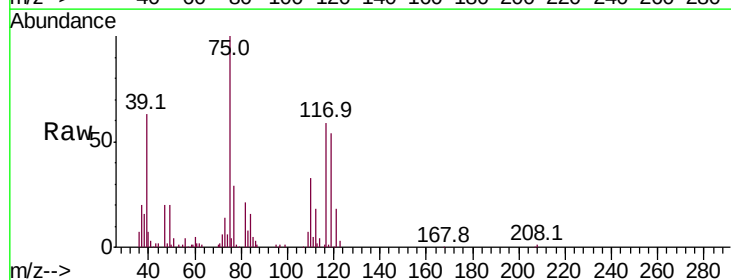
Tgt Ion: 75 Resp: 128998

Ion Ratio Lower Upper

75 100

110 34.2 17.3 52.0

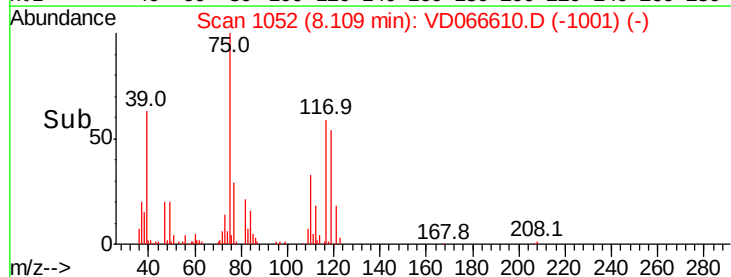
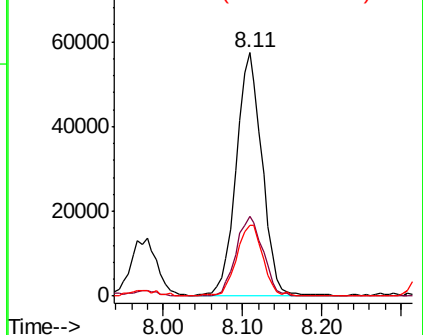
77 30.0 25.1 37.7

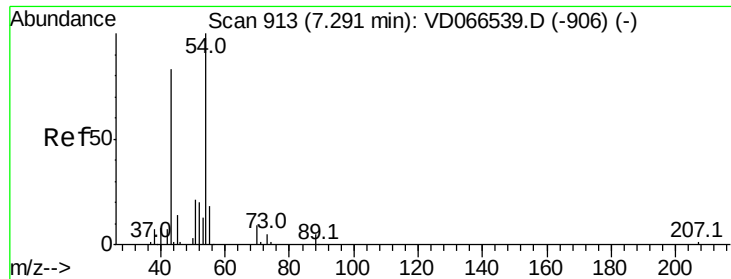


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

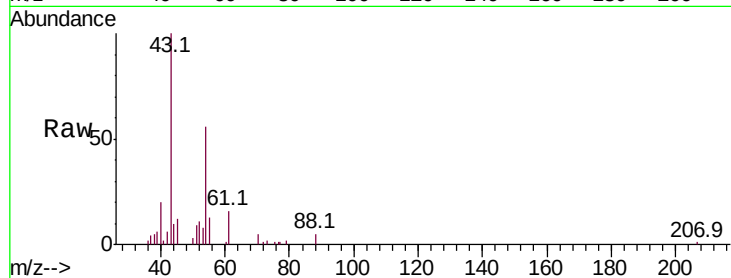




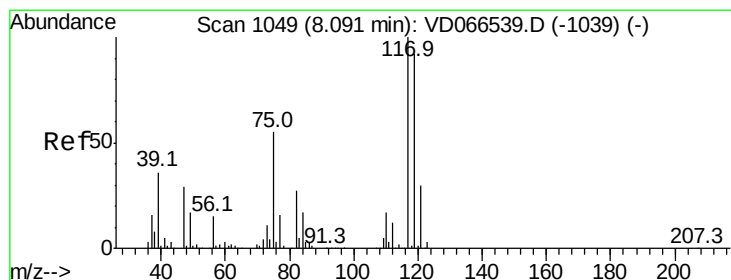
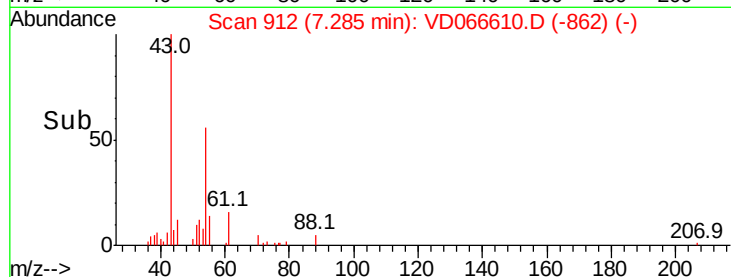
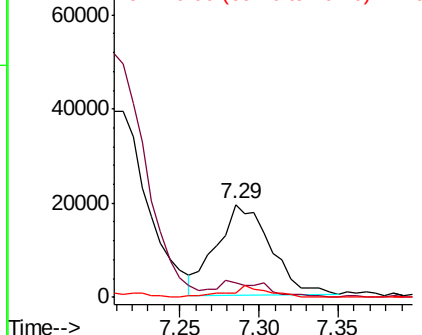
#37
Ethyl Acetate
Concen: 18.969 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 45642
Ion Ratio Lower Upper
43 100
61 16.7 11.8 17.8
70 9.5 7.9 11.9

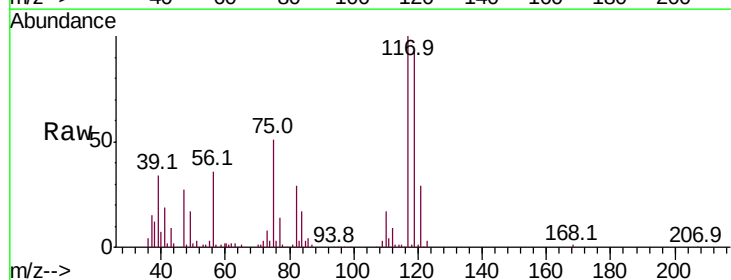


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

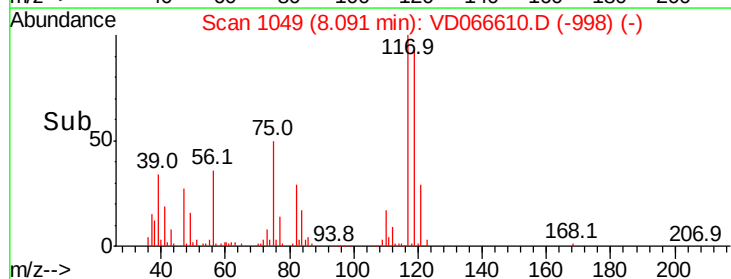
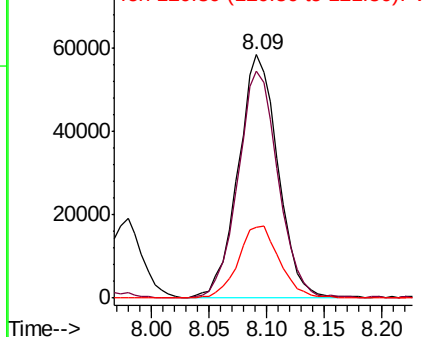


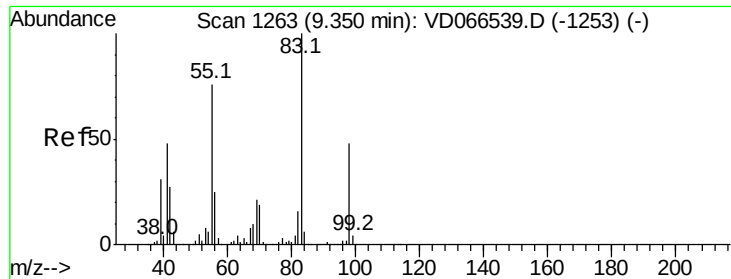
#38
Carbon Tetrachloride
Concen: 21.902 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 117 Resp: 139884
Ion Ratio Lower Upper
117 100
119 92.9 73.9 110.9
121 29.3 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

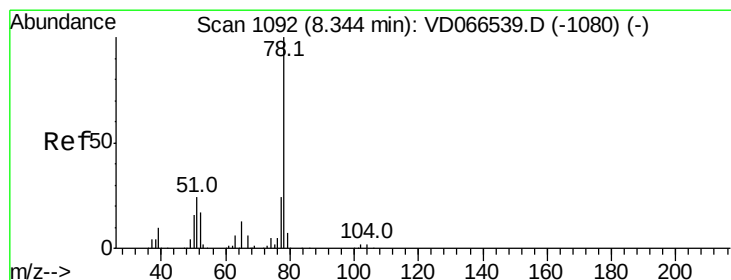
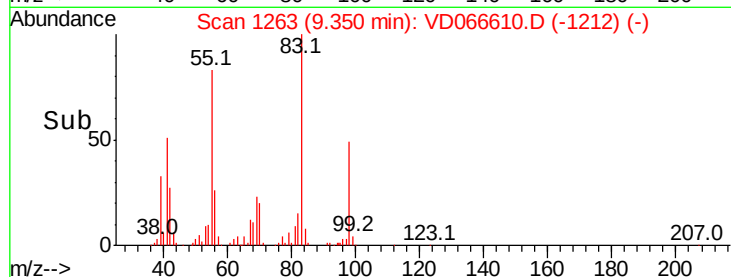
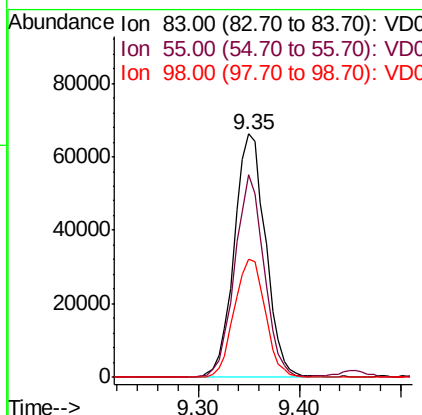
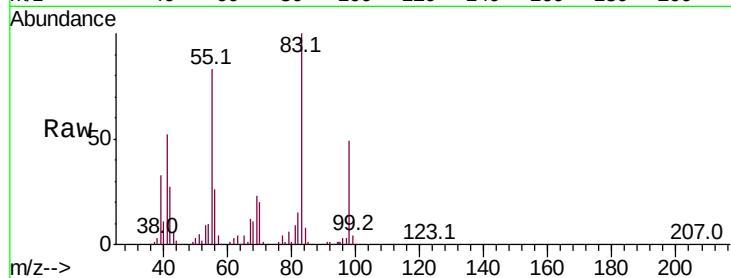




#39
Methylvlcyclohexane
Concen: 21.168 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

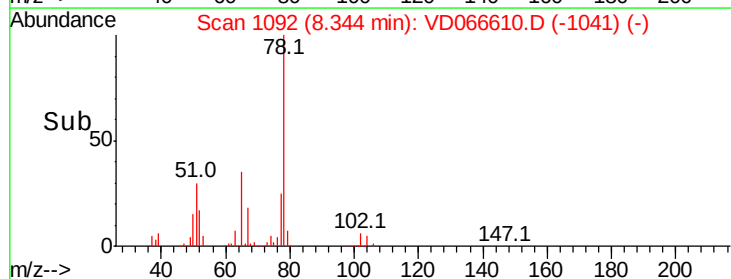
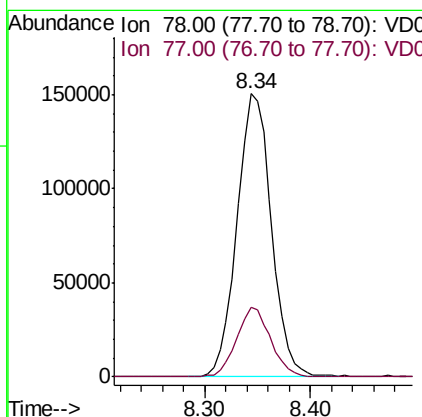
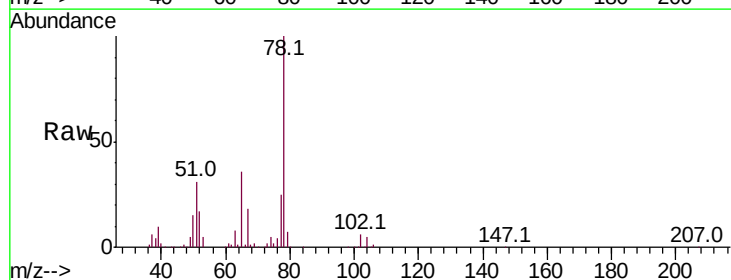
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

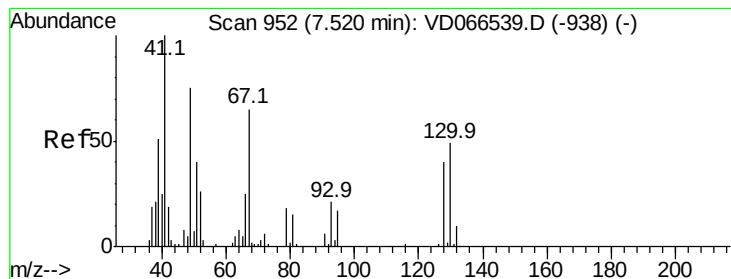
Tot Ion	83	Resp	142827
Ion	Ratio	Lower	Upper
83	100		
55	83.5	60.8	91.2
98	48.6	38.6	58.0



#40
Benzene
Concen: 20.567 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	78	Resp	340364
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7





#41

Methacrylonitrile

Concen: 21.709 ug/l

RT: 7.52 min Scan# 952

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 41 Resp: 25285

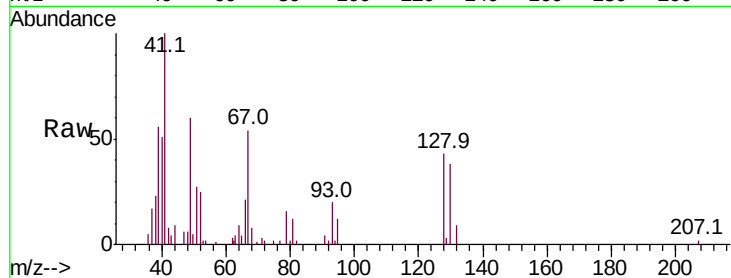
Ion Ratio Lower Upper

41 100

39 47.8 53.6 80.4#

67 73.8 59.2 88.8

52 34.7 26.8 40.2



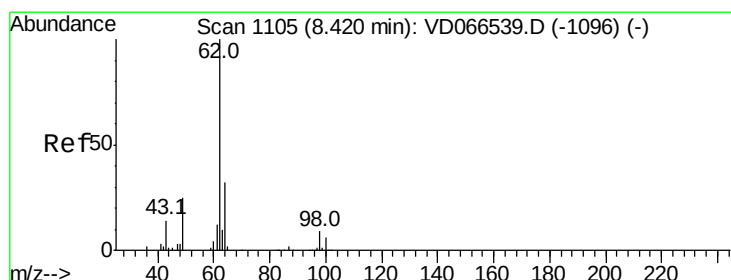
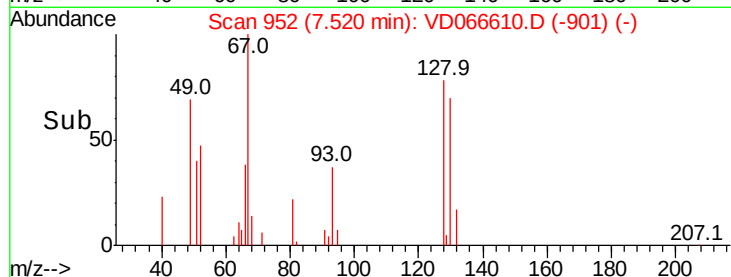
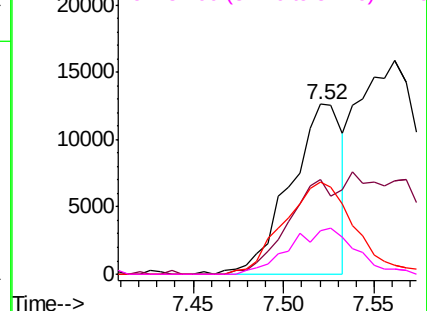
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.141 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066610.D

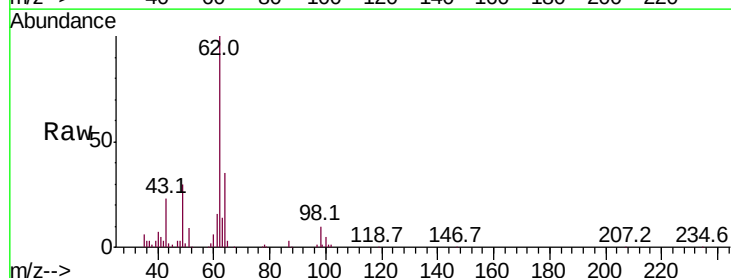
Acq: 10 Sep 2020 12:31

Tgt Ion: 62 Resp: 107995

Ion Ratio Lower Upper

62 100

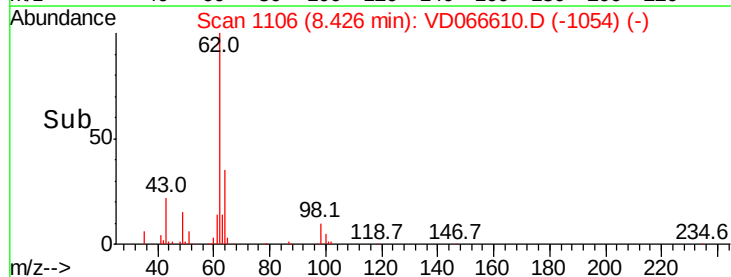
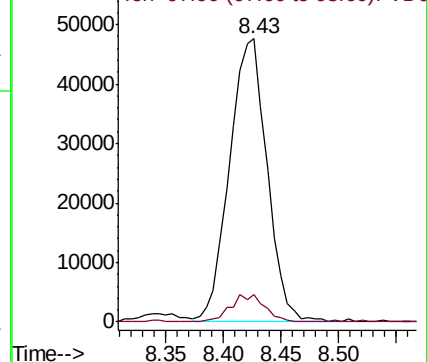
98 8.9 0.0 17.6

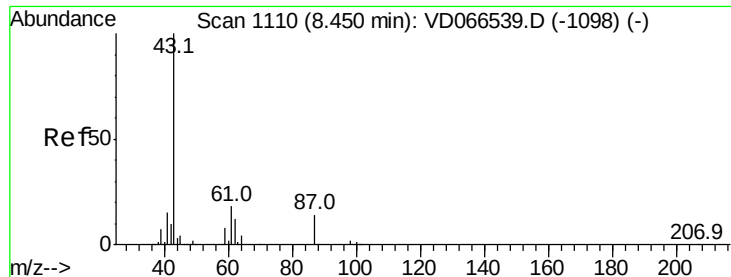


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.578 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

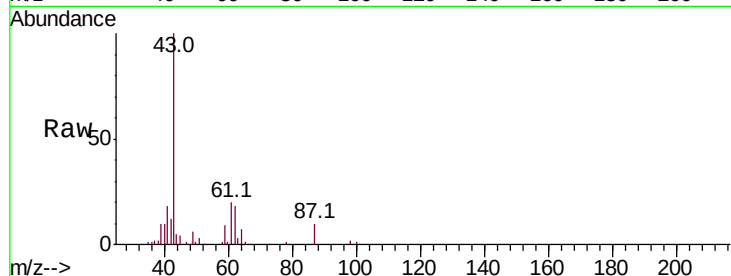
Tot Ion: 43 Resp: 90277

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.8

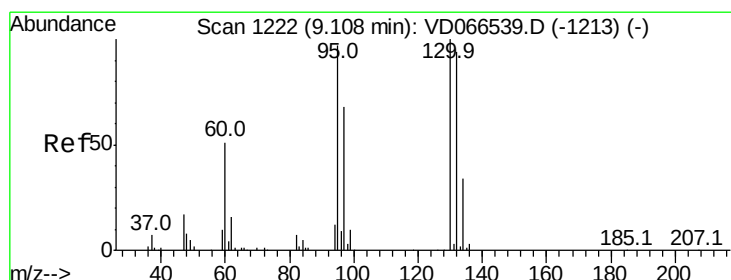
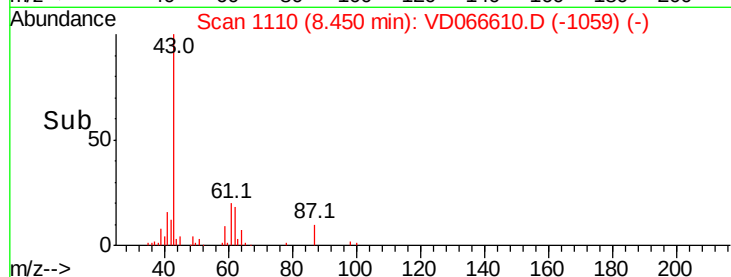
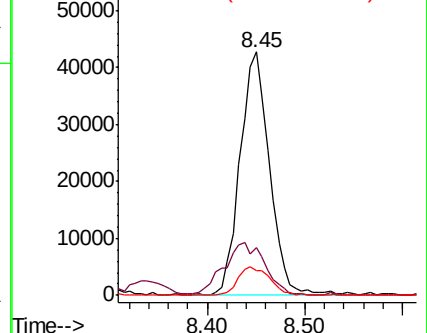
87 12.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.103 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066610.D

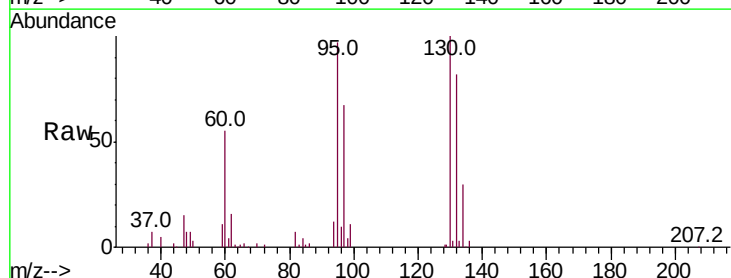
Acq: 10 Sep 2020 12:31

Tgt Ion: 130 Resp: 91609

Ion Ratio Lower Upper

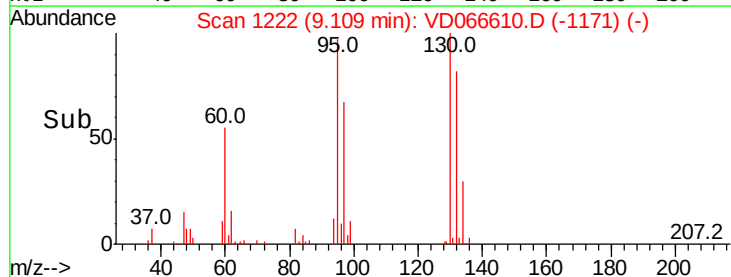
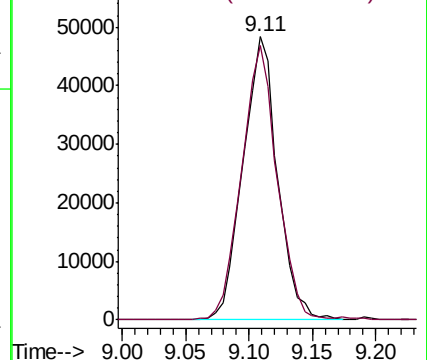
130 100

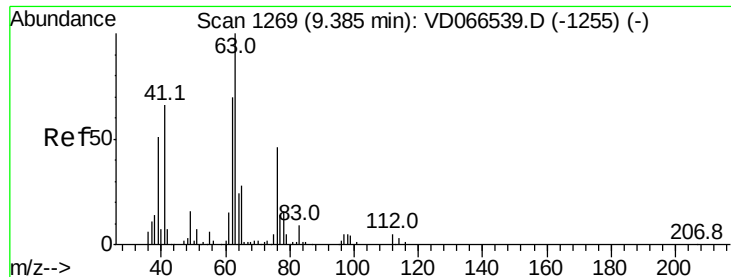
95 96.8 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.826 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

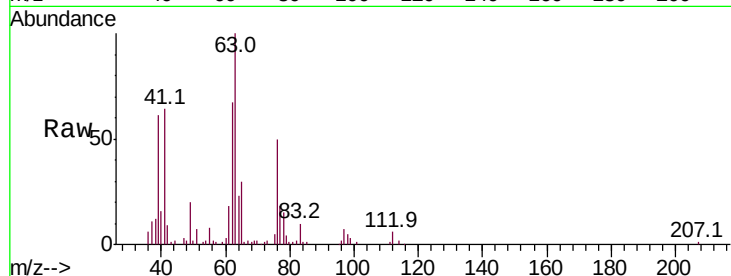
VD0910SBS01

Tot Ion: 63 Resp: 86672

Ion Ratio Lower Upper

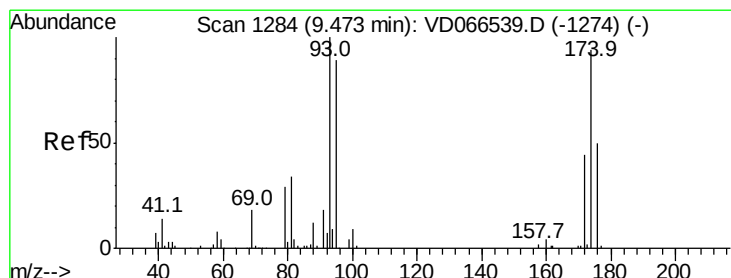
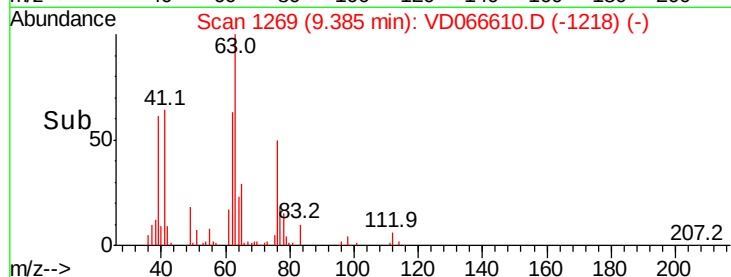
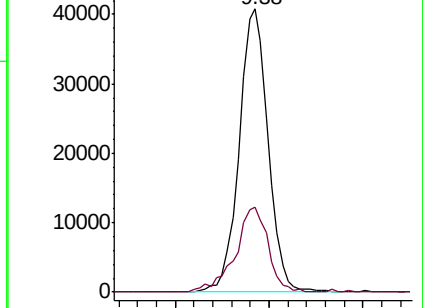
63 100

65 29.9 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.486 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

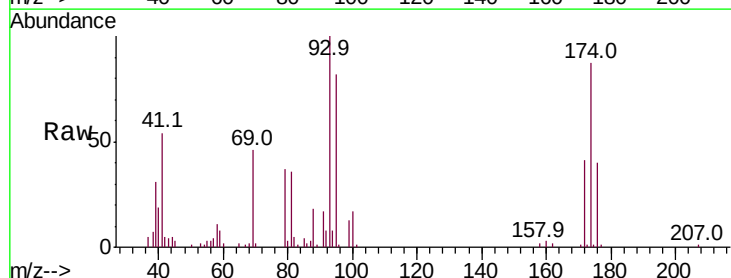
Tgt Ion: 93 Resp: 47037

Ion Ratio Lower Upper

93 100

95 78.8 68.7 103.1

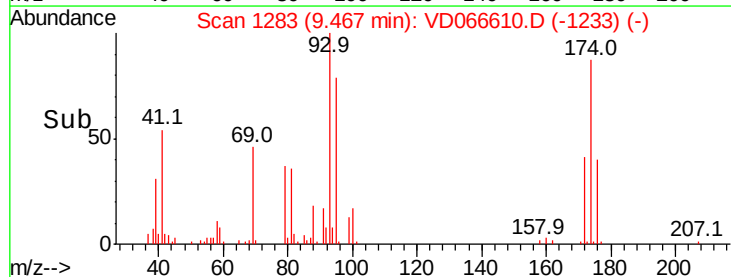
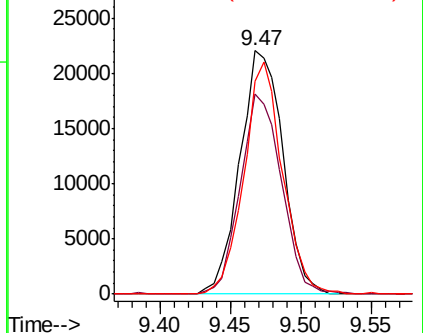
174 86.1 70.0 105.0

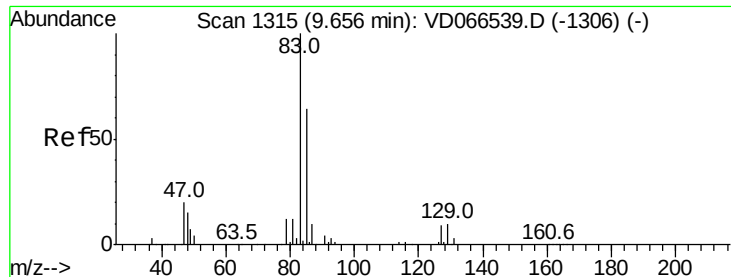


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.345 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

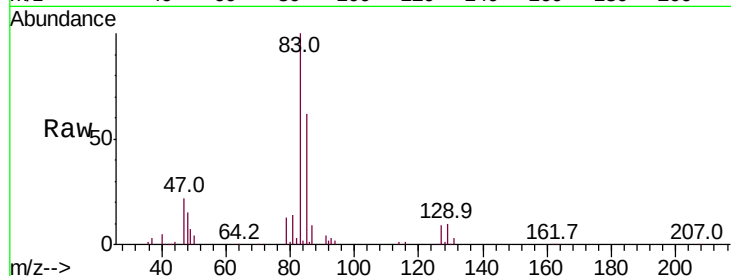
Tot Ion: 83 Resp: 126388

Ion Ratio Lower Upper

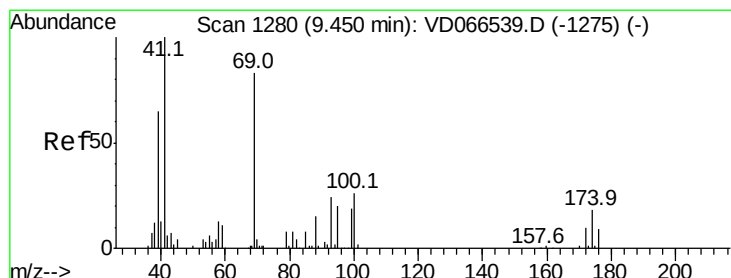
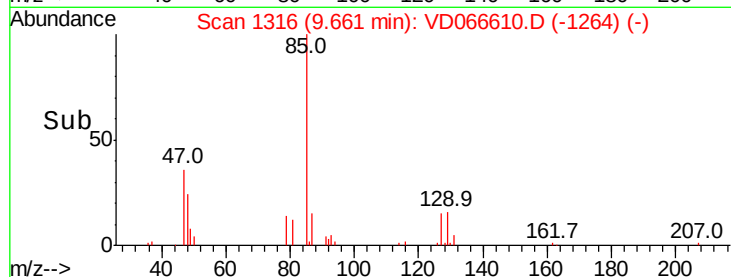
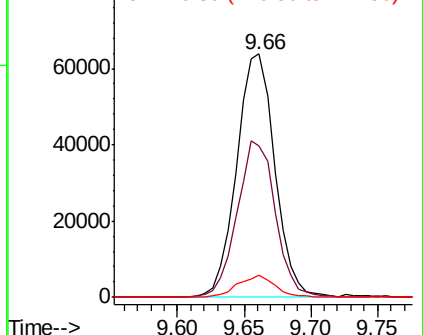
83 100

85 62.1 51.1 76.7

127 9.1 6.9 10.3



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



#48

Methyl methacrylate

Concen: 20.862 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

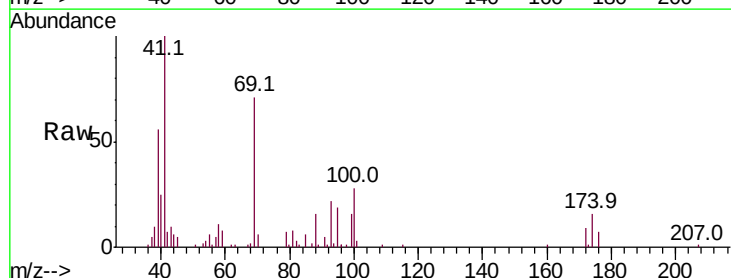
Tgt Ion: 41 Resp: 48642

Ion Ratio Lower Upper

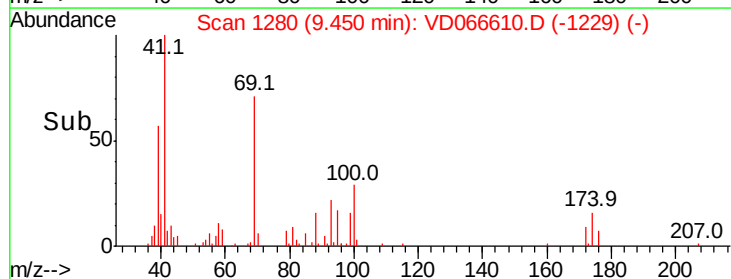
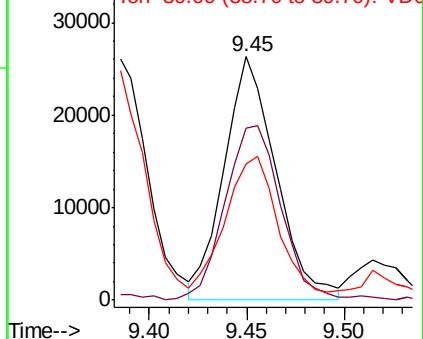
41 100

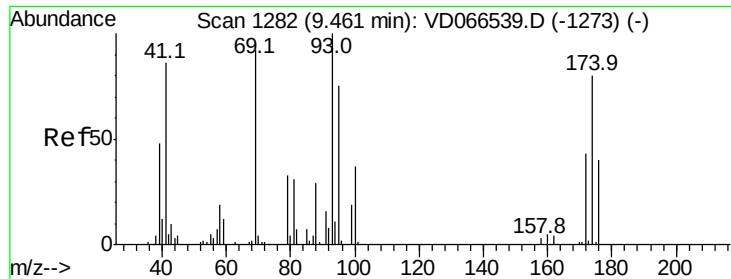
69 76.8 64.5 96.7

39 55.2 46.6 69.8



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: 398.648 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

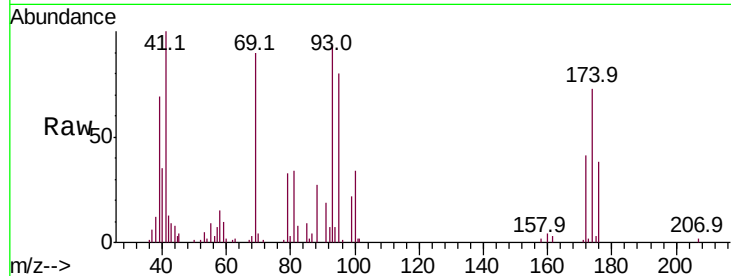
Tot Ion: 88 Resp: 10042

Ion Ratio Lower Upper

88 100

43 33.1 28.3 42.5

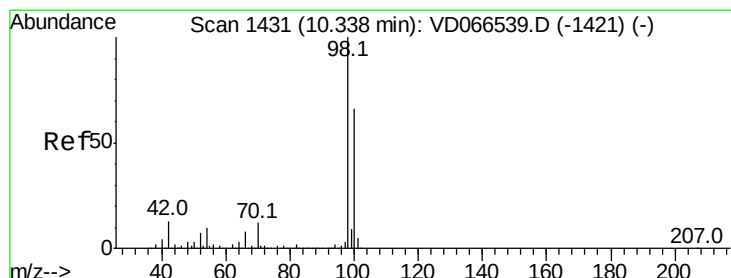
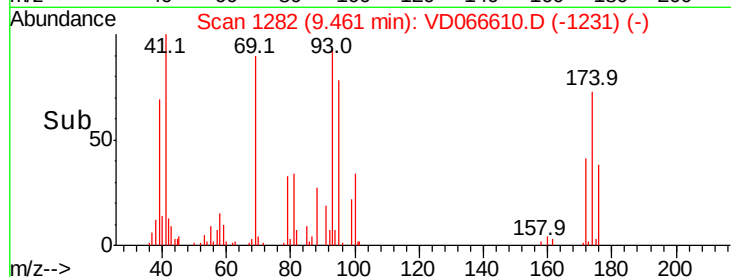
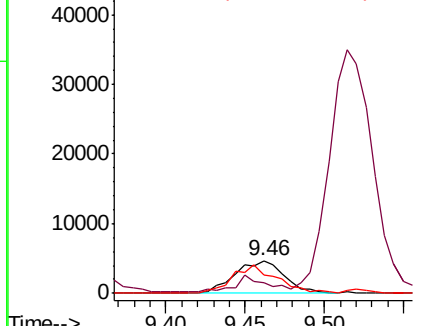
58 77.7 56.1 84.1



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: 53.270 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066610.D

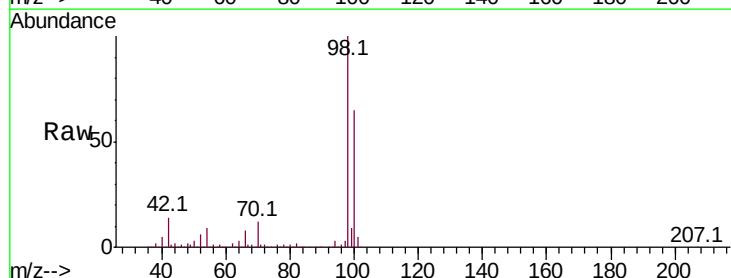
Acq: 10 Sep 2020 12:31

Tgt Ion: 98 Resp: 745759

Ion Ratio Lower Upper

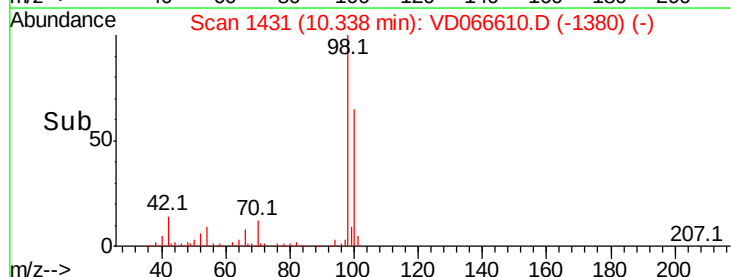
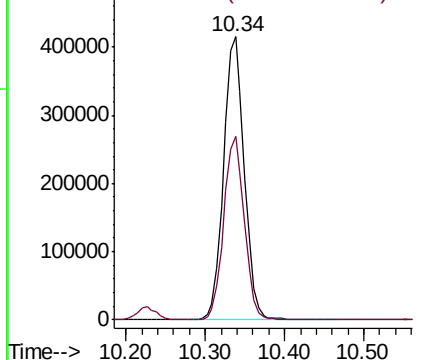
98 100

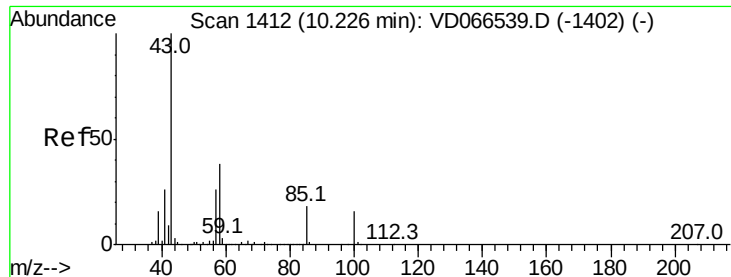
100 64.7 52.9 79.3



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: 100.342 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

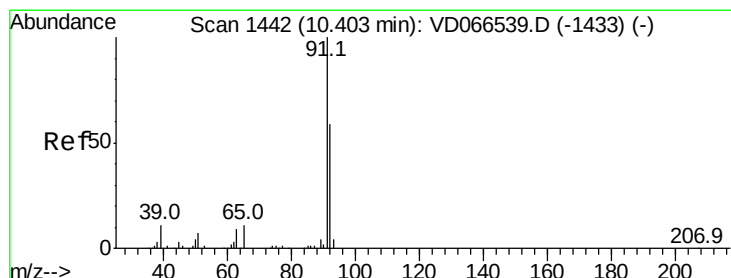
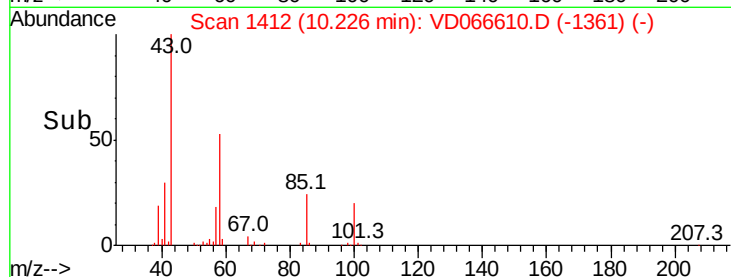
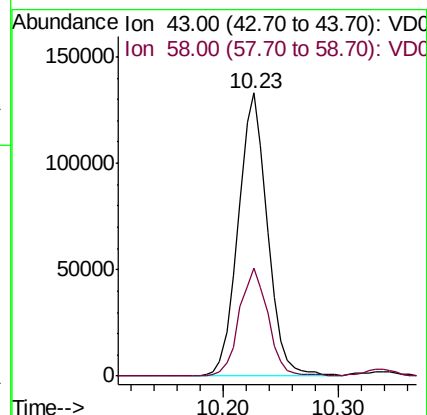
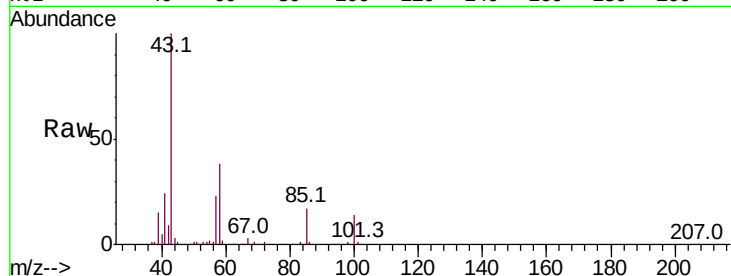
VD0910SBS01

Tot Ion: 43 Resp: 233343

Ion Ratio Lower Upper

43 100

58 37.3 30.5 45.7



#52

Toluene

Concen: 20.943 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066610.D

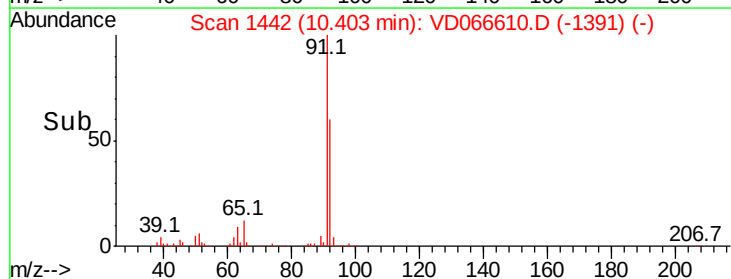
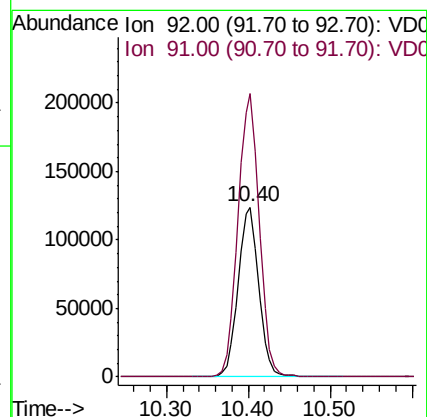
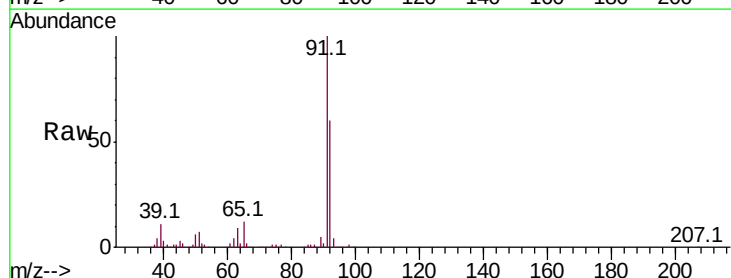
Acq: 10 Sep 2020 12:31

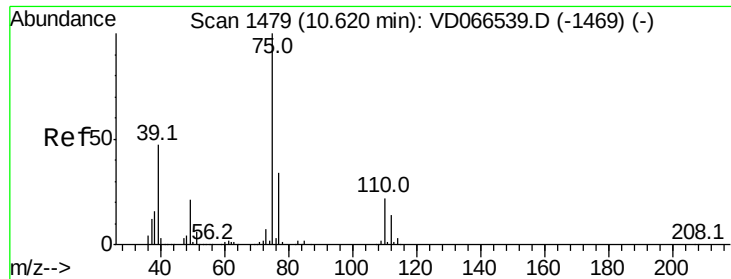
Tgt Ion: 92 Resp: 219395

Ion Ratio Lower Upper

92 100

91 171.1 137.4 206.2

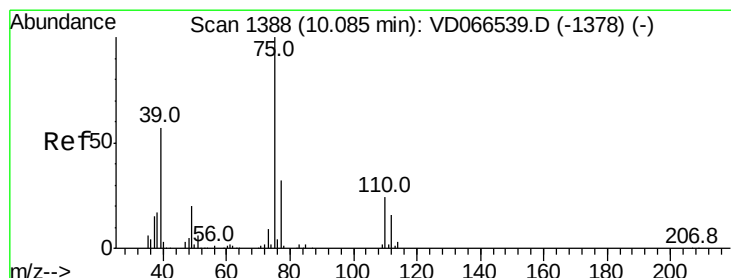
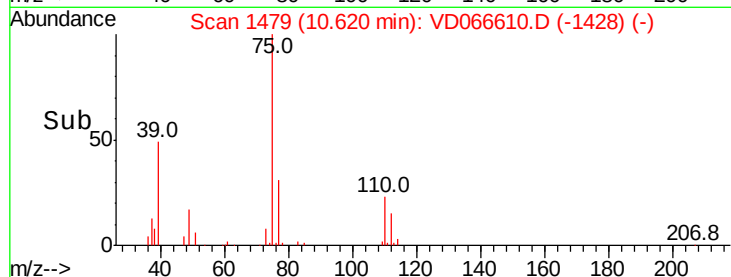
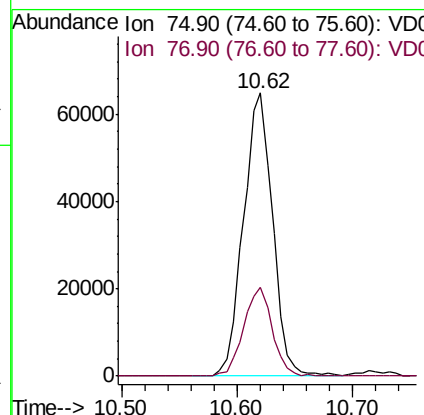
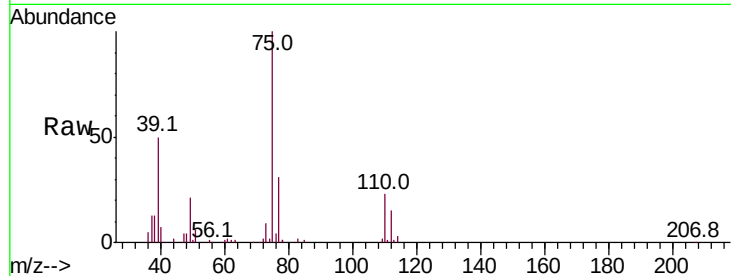




#53
 t-1,3-Dichloropropene
 Concen: 20.659 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

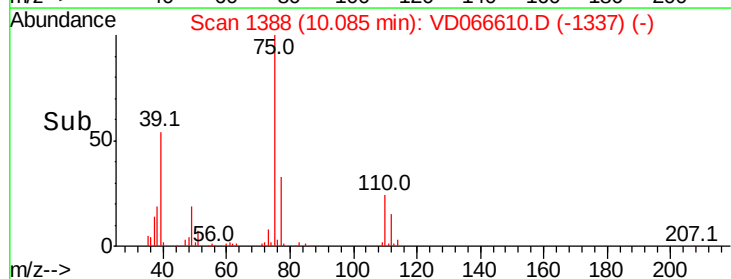
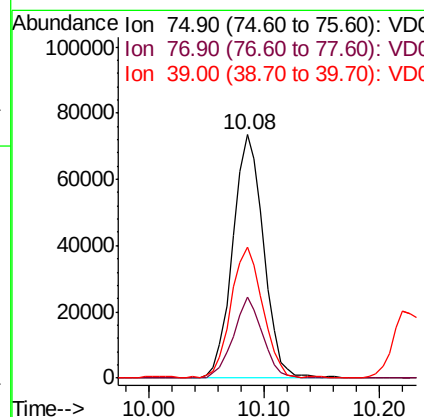
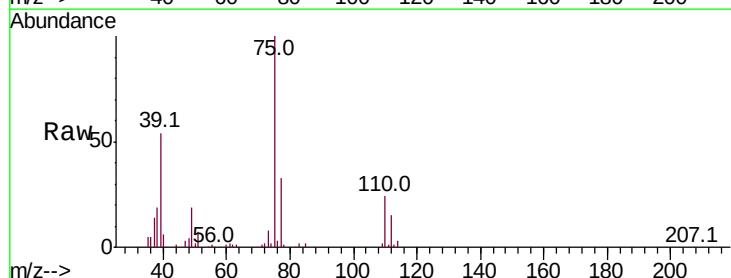
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

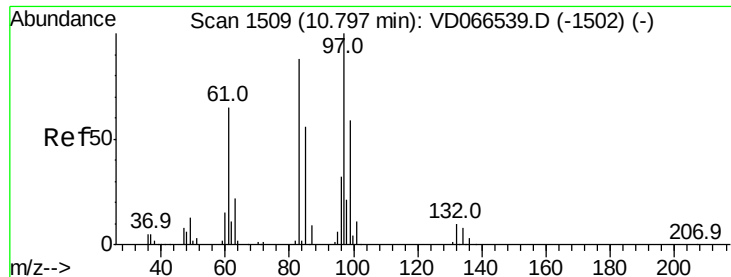
Tot Ion: 75 Resp: 113293
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.629 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 75 Resp: 135853
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.0
 39 53.3 45.4 68.0

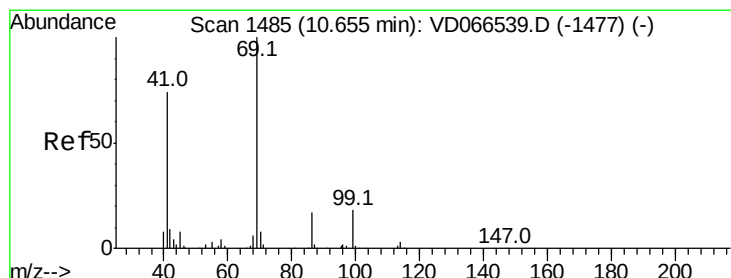
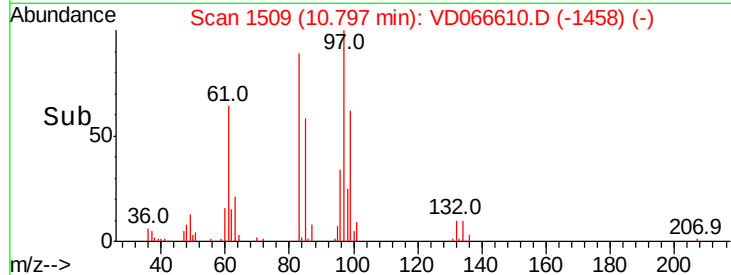
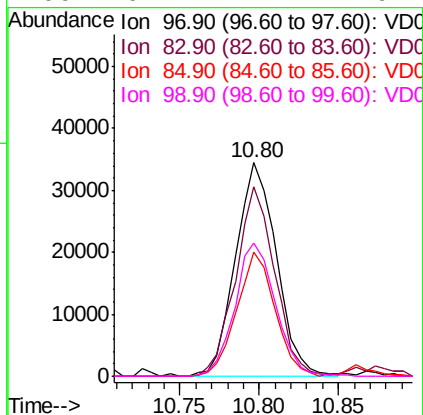
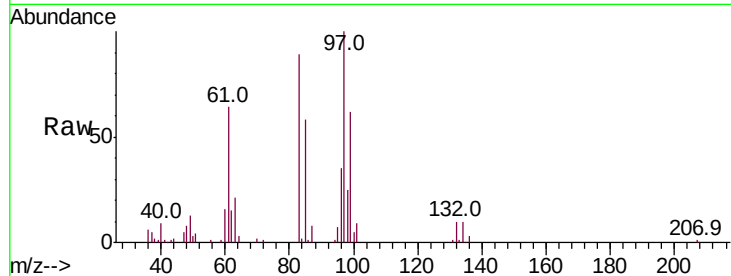




#55
 1,1,2-Trichloroethane
 Concen: 21.015 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

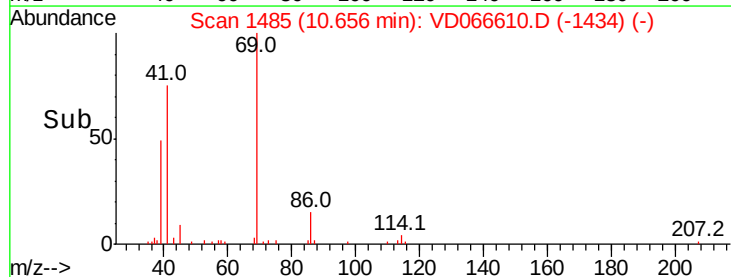
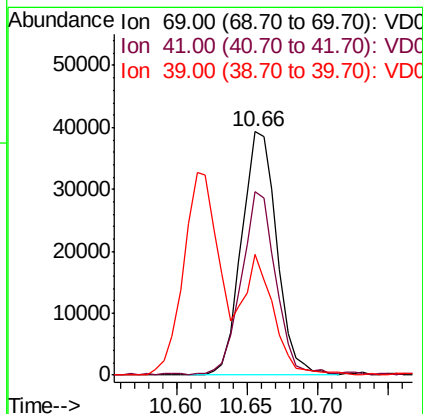
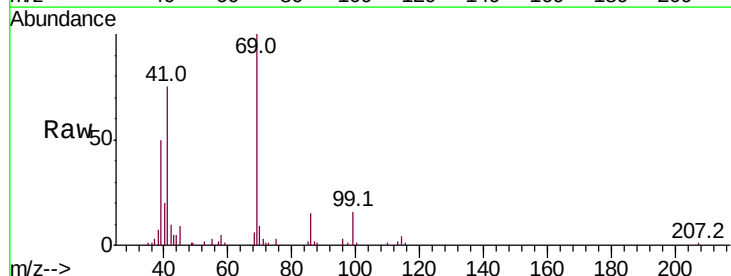
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

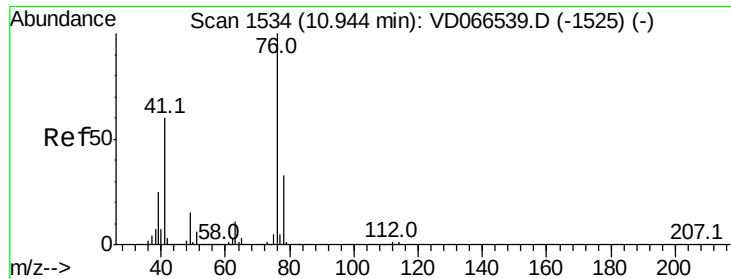
Tot Ion: 97 Resp: 62040
 Ion Ratio Lower Upper
 97 100
 83 88.9 70.1 105.1
 85 58.0 44.5 66.7
 99 62.1 47.1 70.7



#56
 Ethyl methacrylate
 Concen: 20.077 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 69 Resp: 69011
 Ion Ratio Lower Upper
 69 100
 41 73.6 56.8 85.2
 39 43.6 30.6 46.0

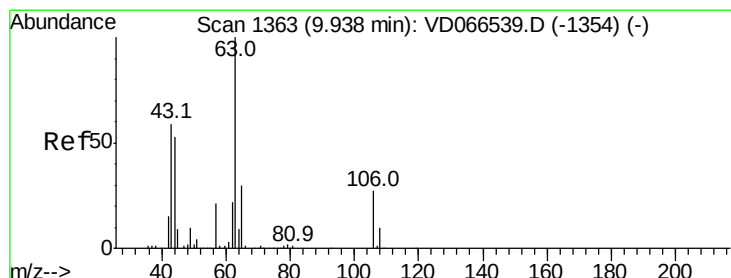
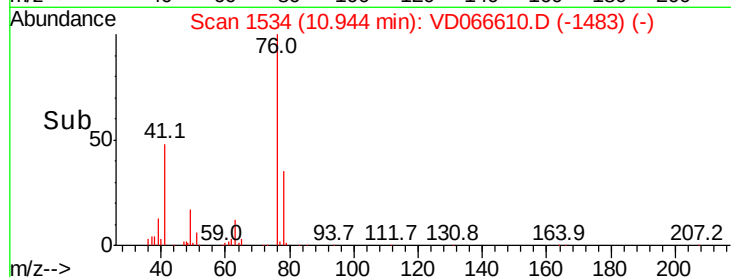
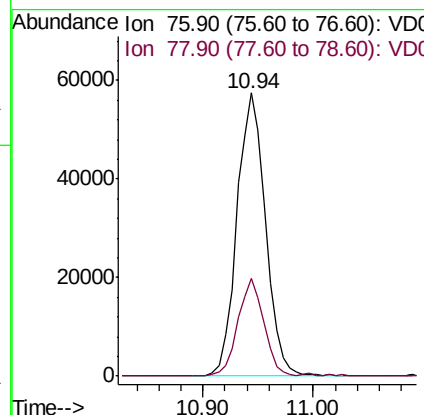
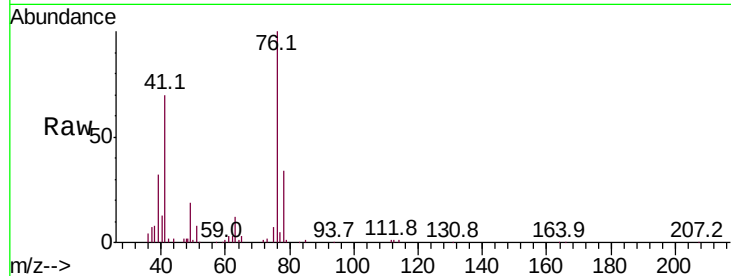




#57
 1,3-Dichloropropane
 Concen: 20.155 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

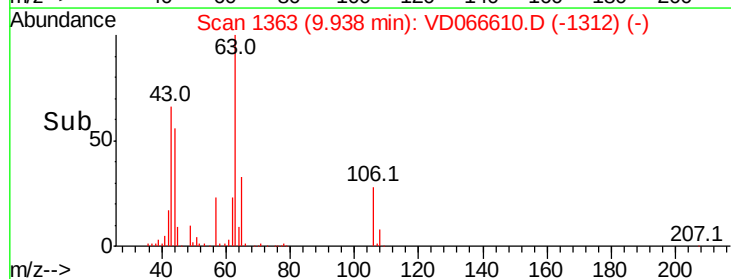
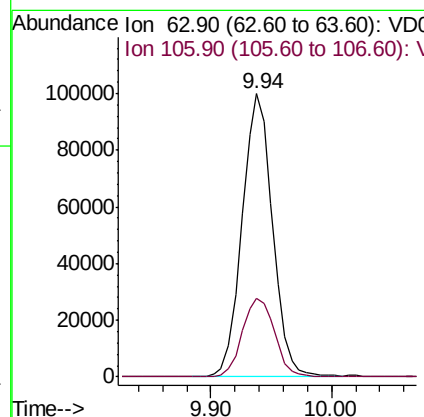
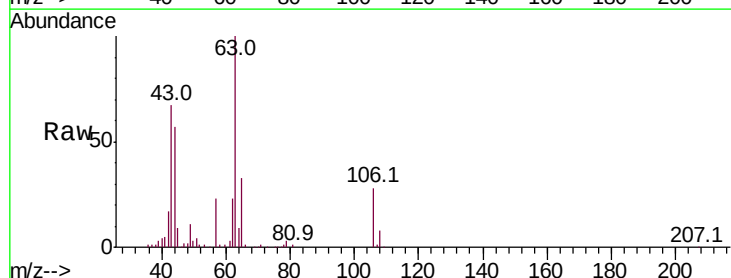
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

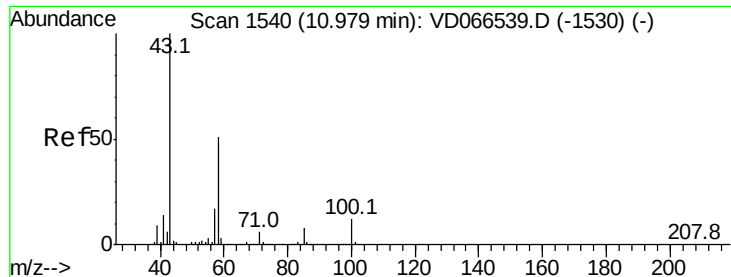
Tot Ion: 76 Resp: 104223
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.613 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 63 Resp: 175483
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.0 33.0

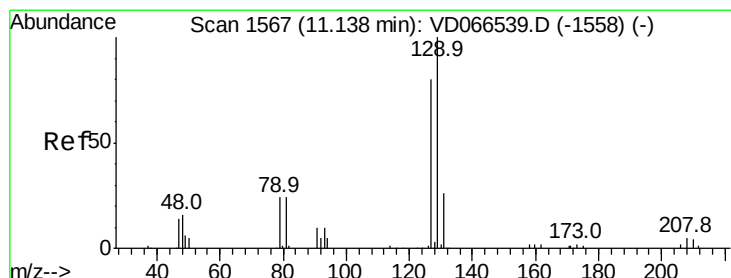
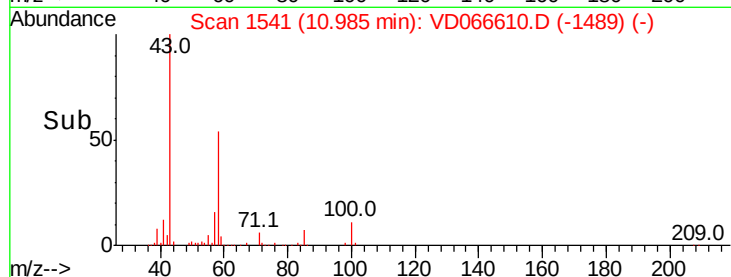
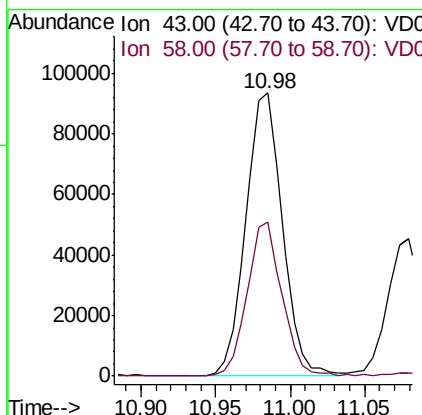
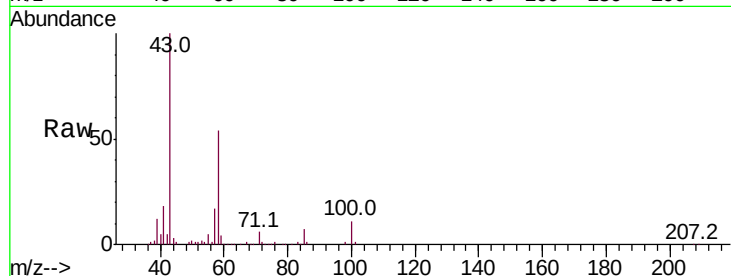




#59
2-Hexanone
Concen: 101.223 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

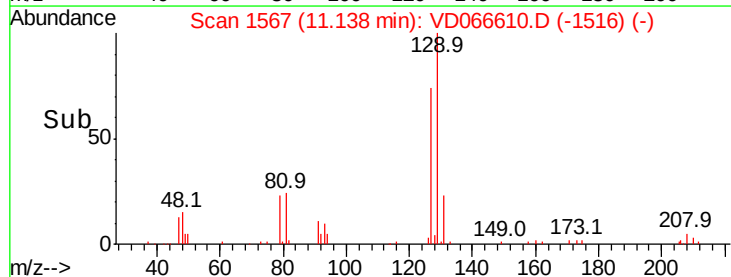
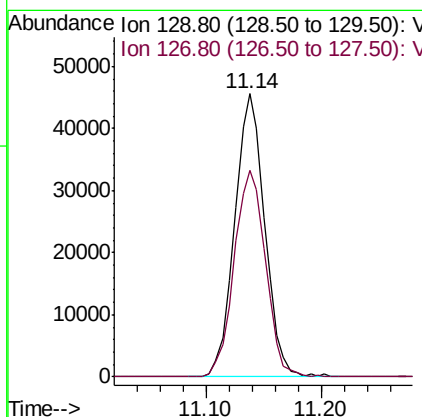
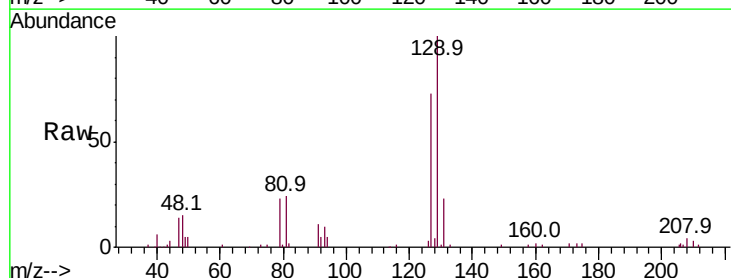
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

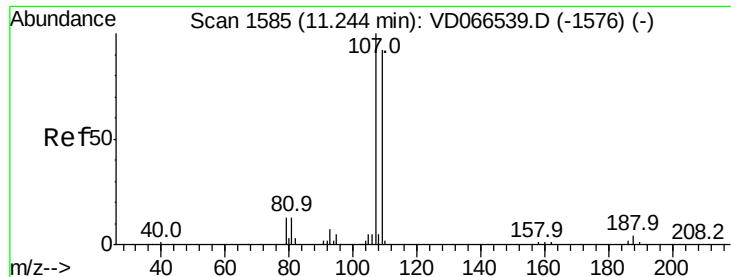
Tot Ion: 43 Resp: 158297
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8



#60
Dibromochloromethane
Concen: 20.960 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 129 Resp: 81827
Ion Ratio Lower Upper
129 100
127 76.6 39.5 118.3

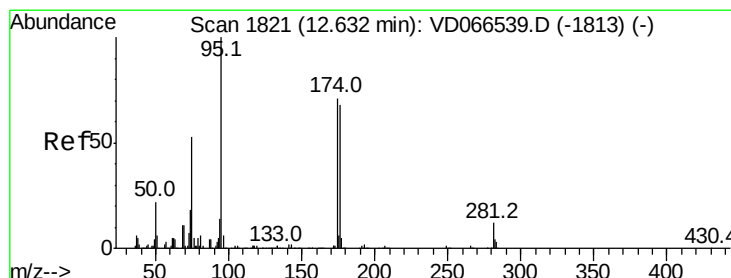
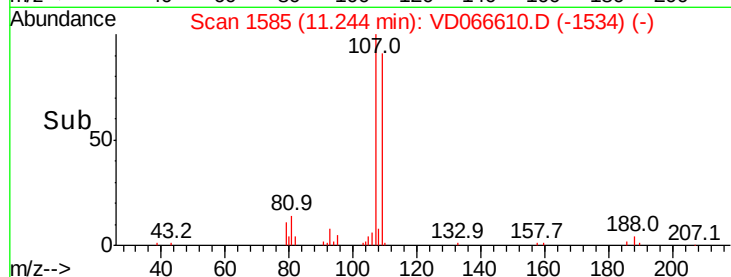
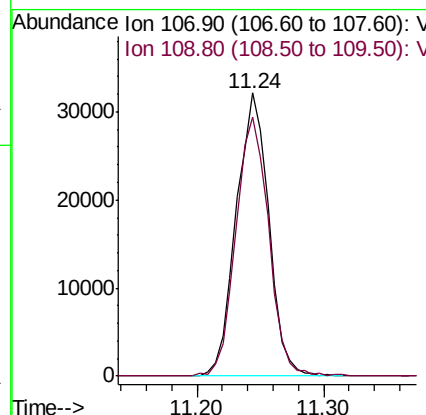
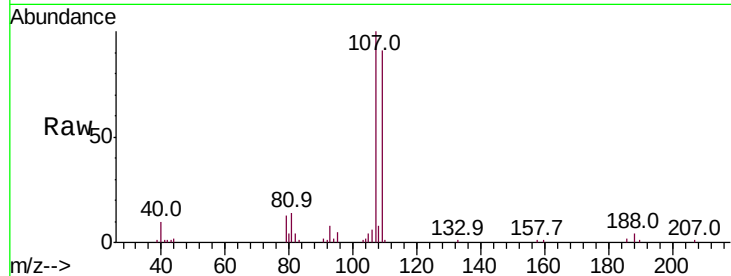




#61
 1,2-Dibromoethane
 Concen: 19.809 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

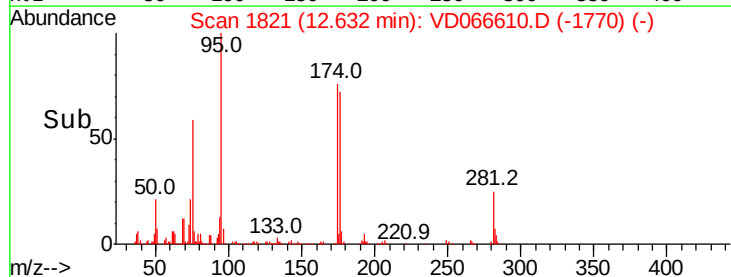
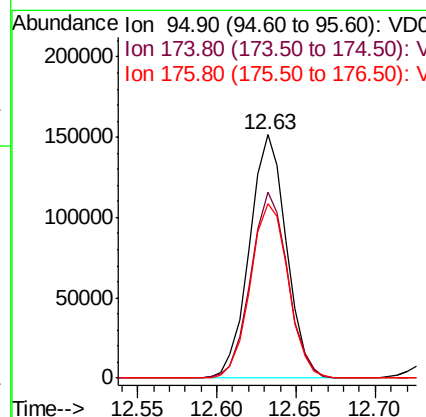
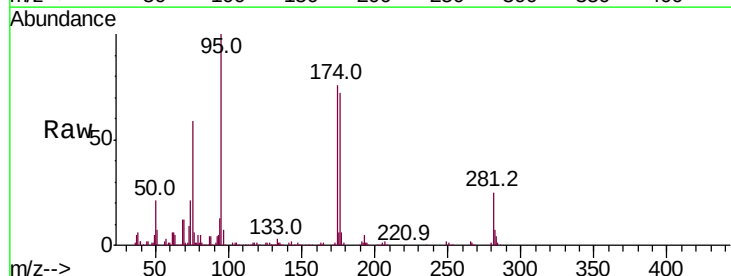
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

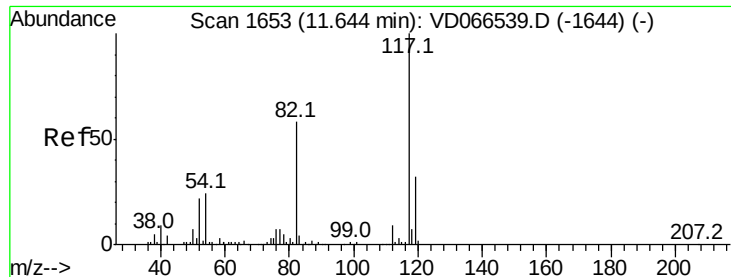
Tot Ion:107 Resp: 56896
 Ion Ratio Lower Upper
 107 100
 109 92.3 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.809 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 95 Resp: 245149
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 155.8
 176 73.7 0.0 148.6

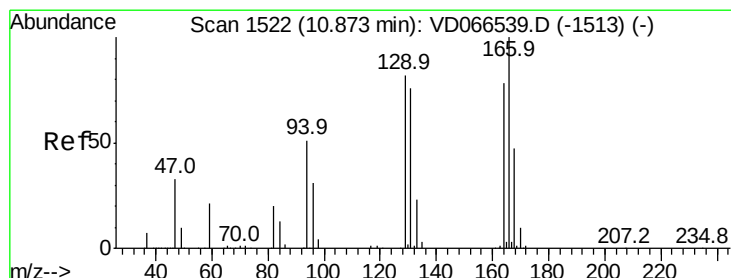
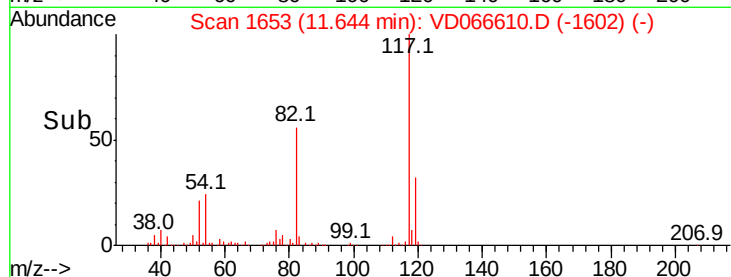
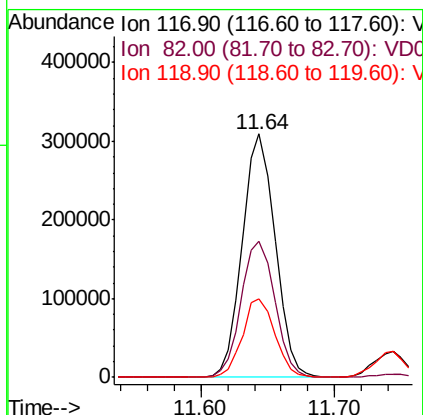
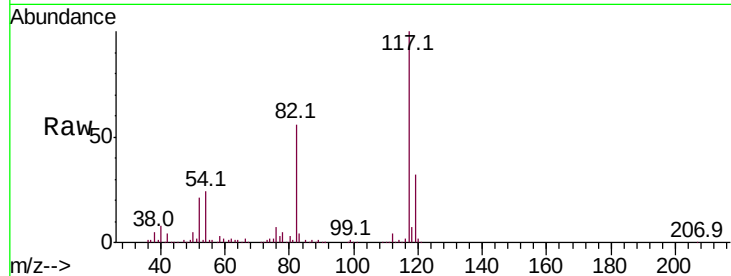




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

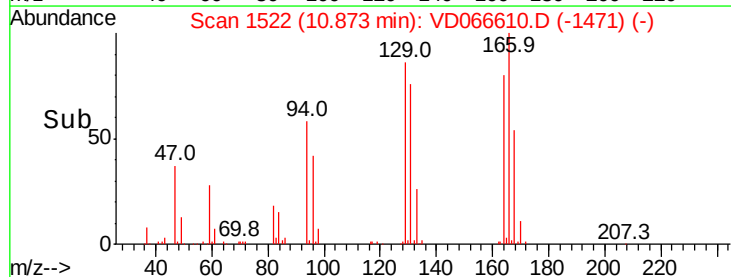
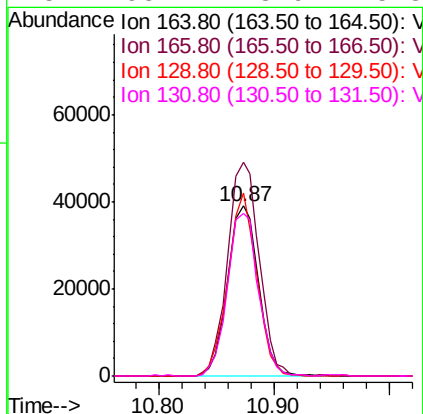
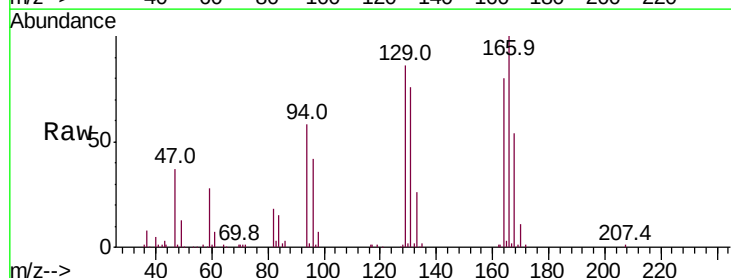
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

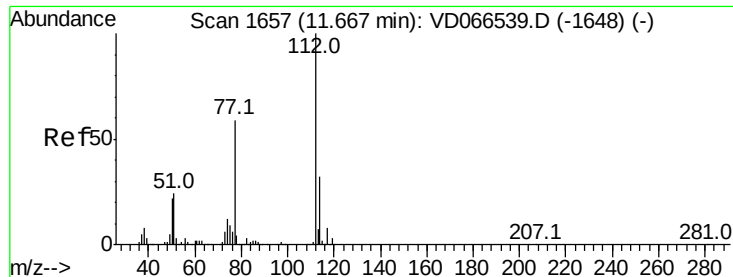
Tot Ion:117 Resp: 527521
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.2
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 20.454 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion:164 Resp: 72648
Ion Ratio Lower Upper
164 100
166 125.5 103.2 154.8
129 107.8 84.5 126.7
131 95.7 78.9 118.3





#65

Chlorobenzene

Concen: 20.734 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

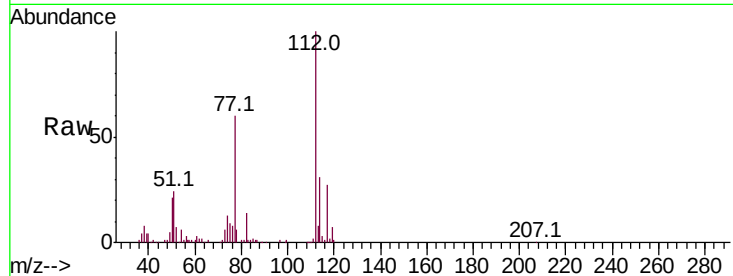
VD0910SBS01

Tot Ion:112 Resp: 225747

Ion Ratio Lower Upper

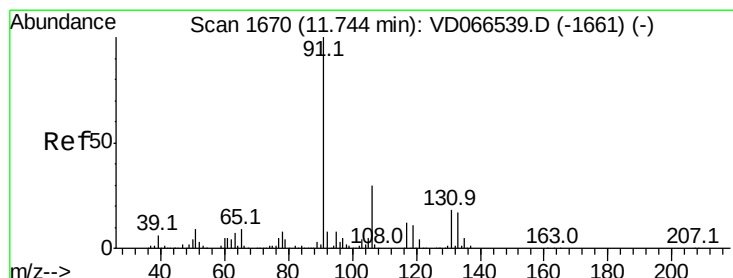
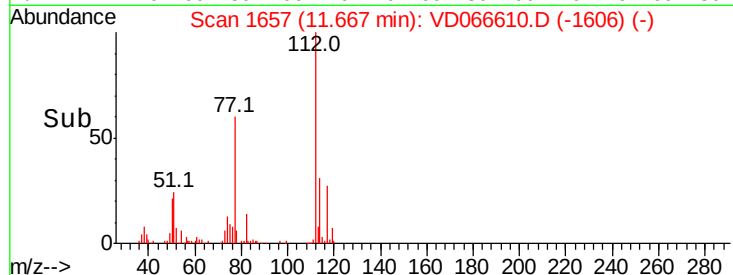
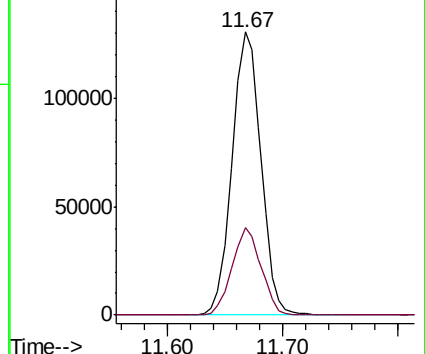
112 100

114 30.9 25.7 38.5



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: 20.547 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

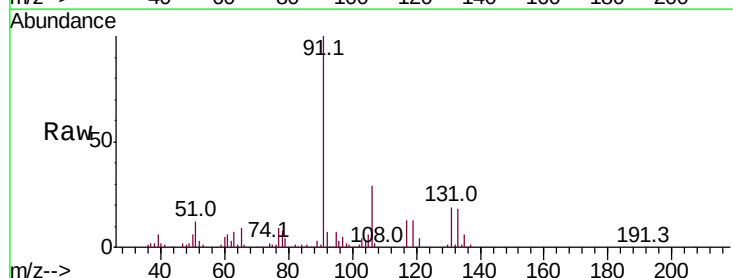
Tgt Ion:131 Resp: 85378

Ion Ratio Lower Upper

131 100

133 97.1 46.7 140.0

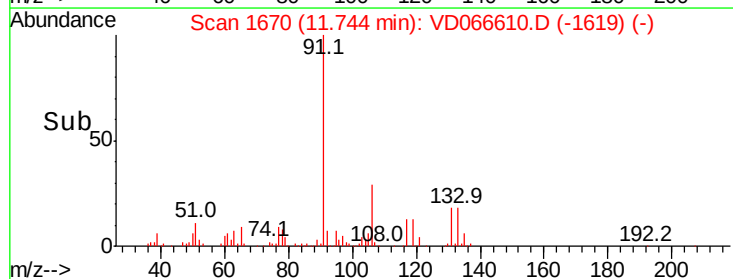
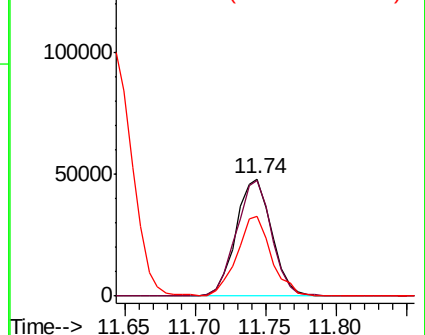
119 64.6 31.9 95.7

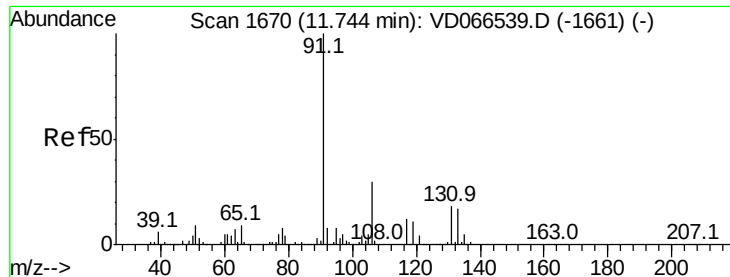


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.388 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

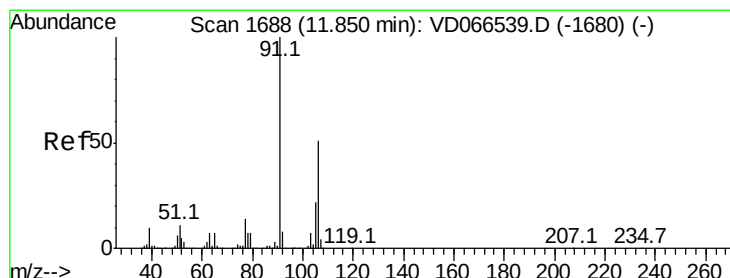
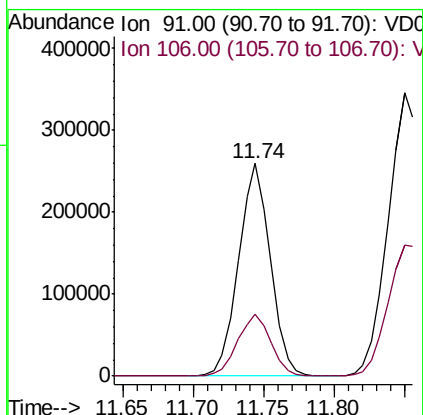
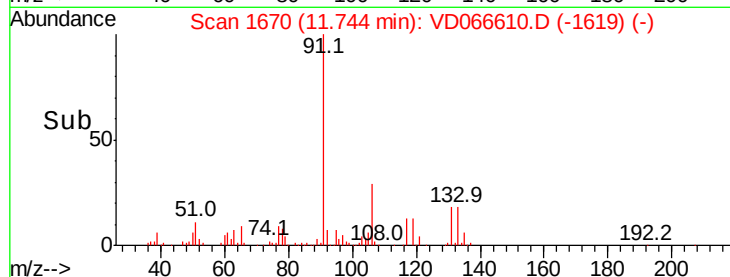
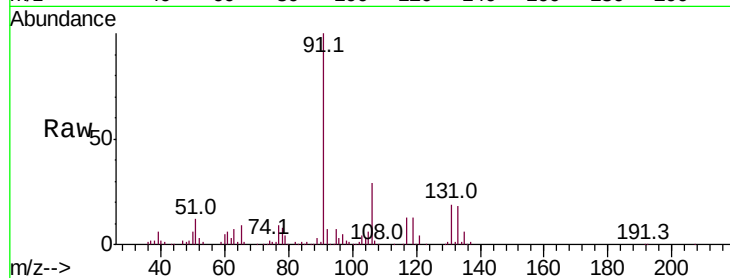
VD0910SBS01

Tot Ion: 91 Resp: 407586

Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5



#68

m/p-Xylenes

Concen: 41.501 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066610.D

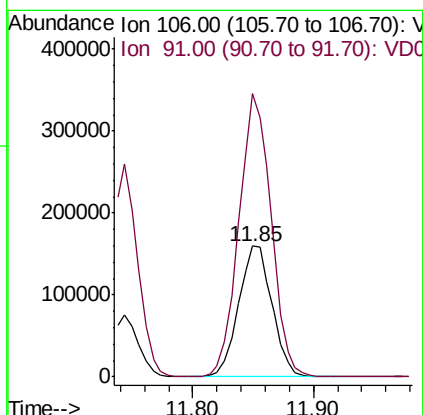
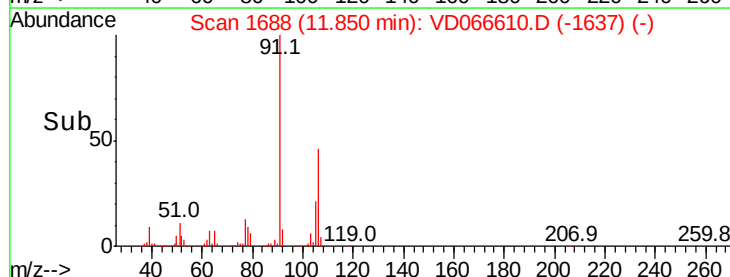
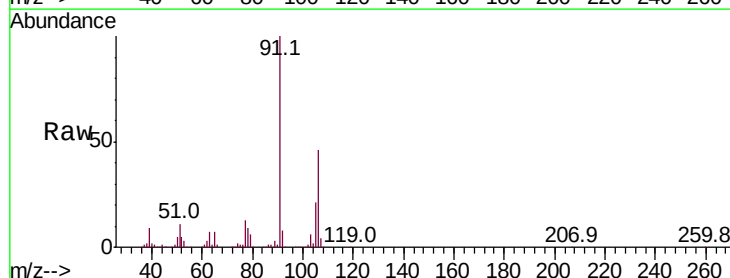
Acq: 10 Sep 2020 12:31

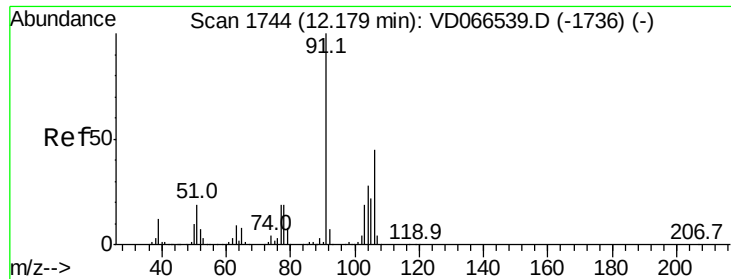
Tgt Ion: 106 Resp: 308063

Ion Ratio Lower Upper

106 100

91 208.9 162.4 243.6

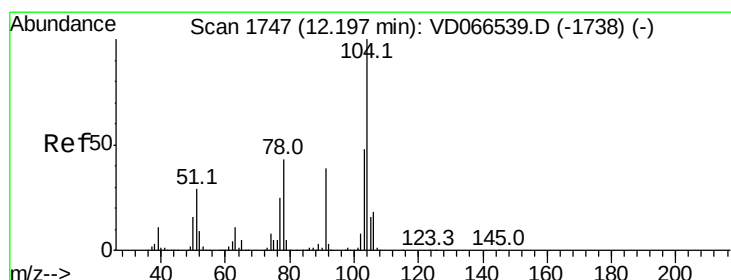
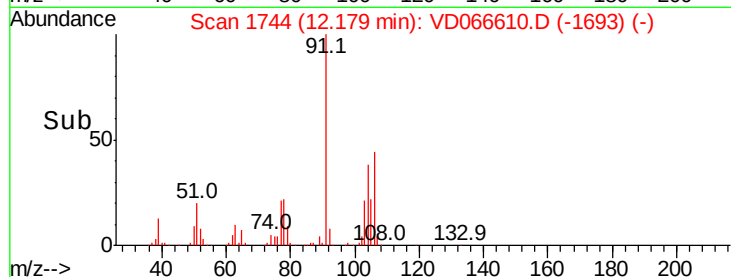
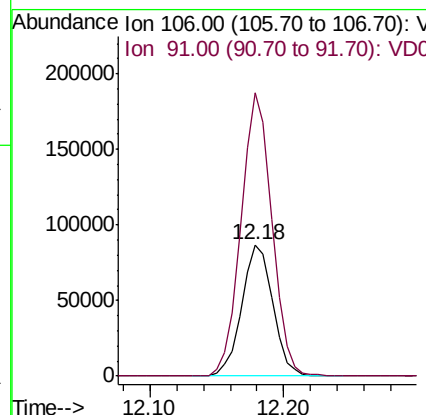
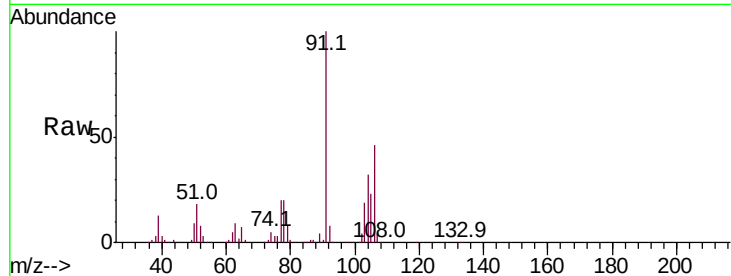




#69
o-Xylene
Concen: 21.000 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

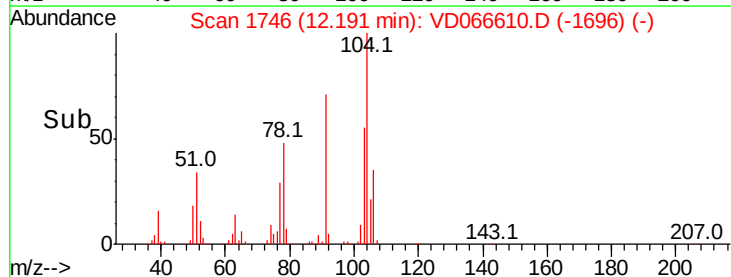
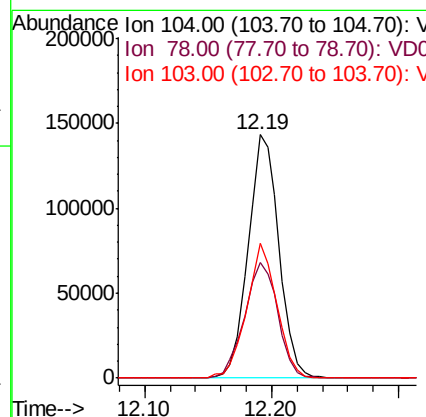
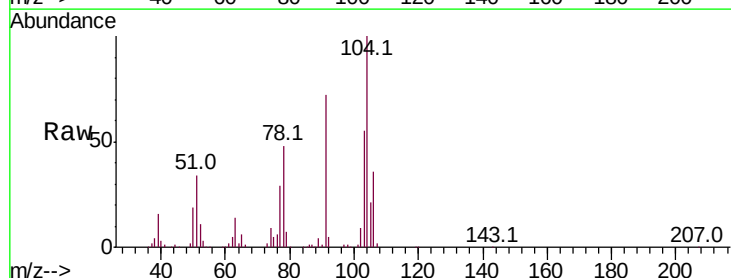
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

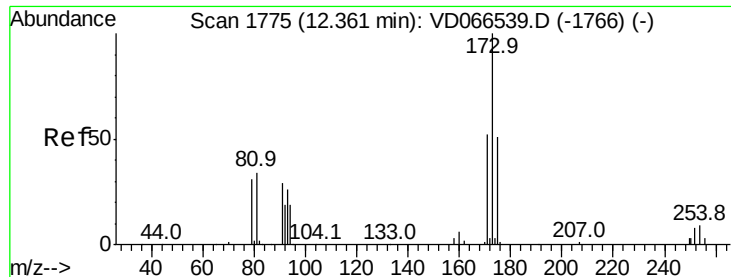
Tot Ion:106 Resp: 139701
Ion Ratio Lower Upper
106 100
91 214.4 107.9 323.8



#70
Styrene
Concen: 20.857 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion:104 Resp: 241220
Ion Ratio Lower Upper
104 100
78 51.4 40.7 61.1
103 54.6 42.9 64.3





#71

Bromoform

Concen: 20.914 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

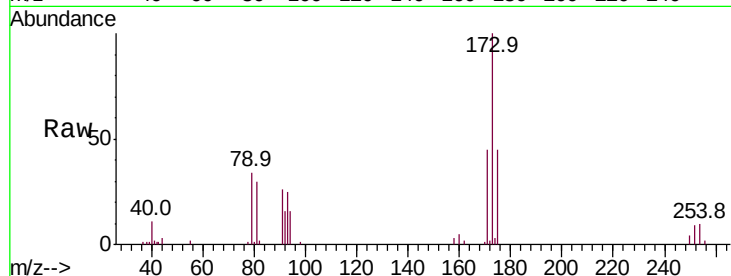
Tot Ion:173 Resp: 43797

Ion Ratio Lower Upper

173 100

175 45.6 24.2 72.6

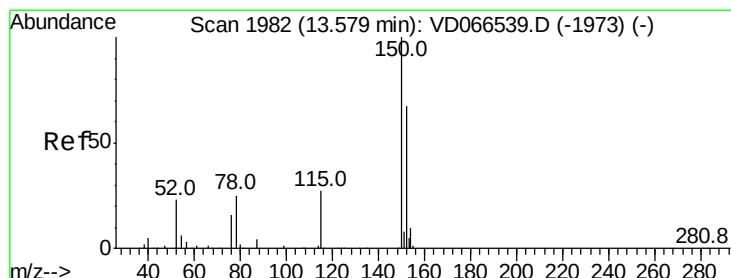
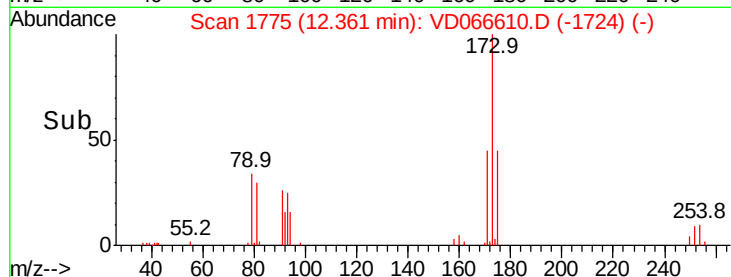
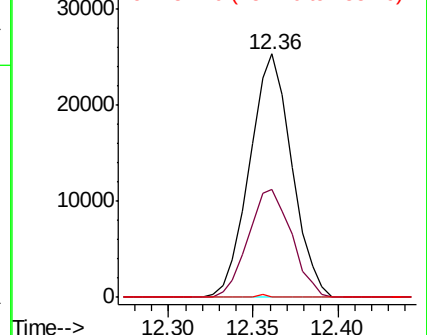
254 0.2 0.0 0.0#



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: VD066610.D

Acq: 10 Sep 2020 12:31

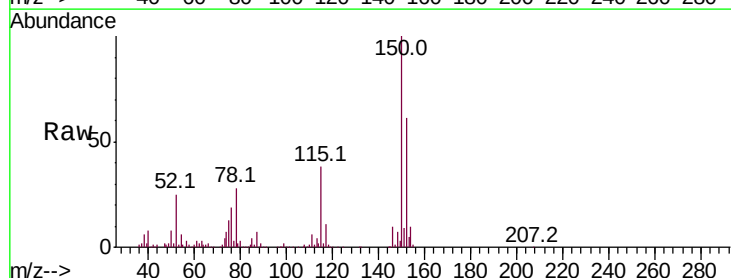
Tgt Ion:152 Resp: 244090

Ion Ratio Lower Upper

152 100

115 61.9 30.4 91.2

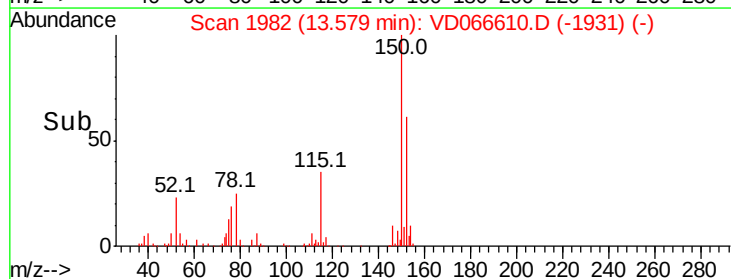
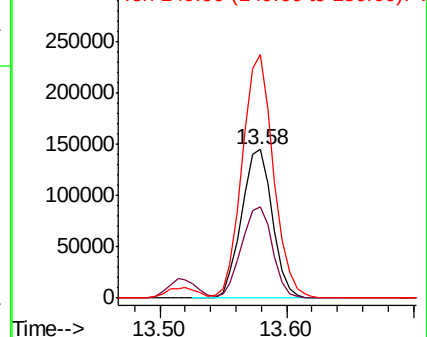
150 165.7 0.0 345.8

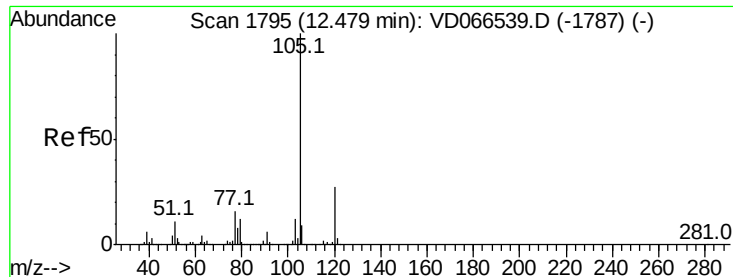


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.664 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

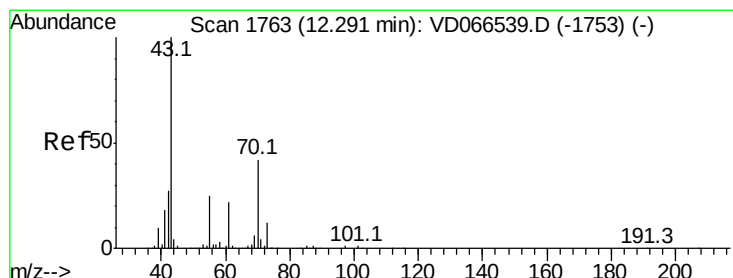
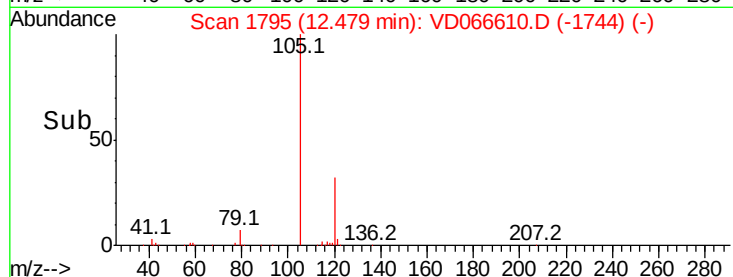
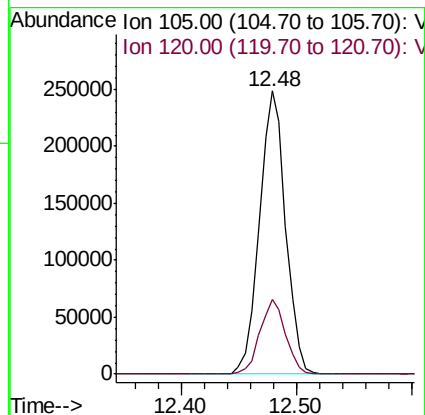
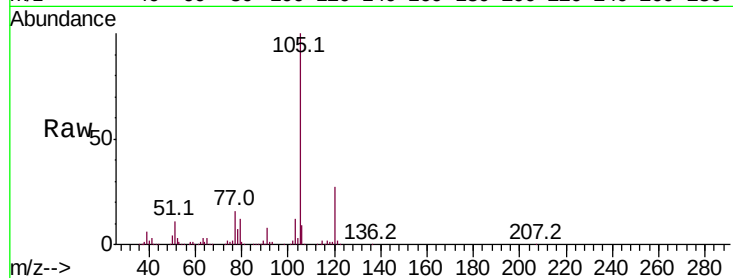
VD0910SBS01

Tot Ion:105 Resp: 391507

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 19.784 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion: 43 Resp: 80980

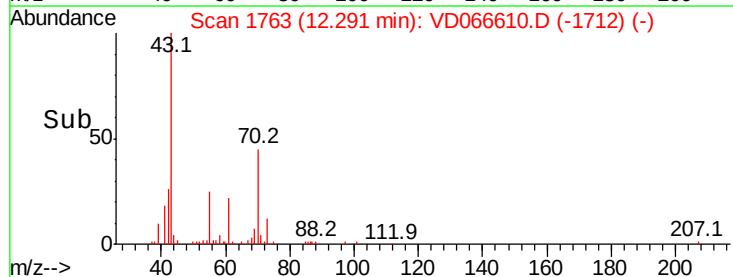
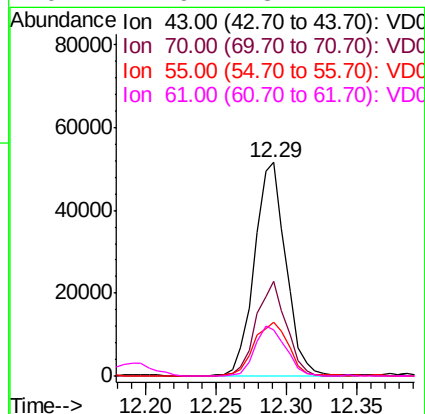
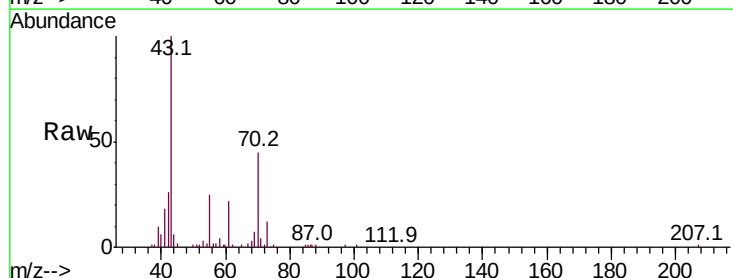
Ion Ratio Lower Upper

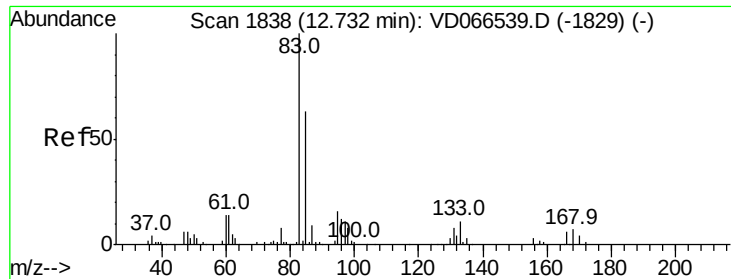
43 100

70 42.6 33.4 50.2

55 27.8 20.1 30.1

61 22.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.315 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

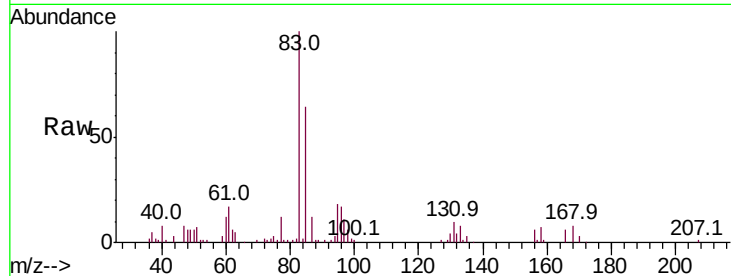
Tot Ion: 83 Resp: 64861

Ion Ratio Lower Upper

83 100

131 10.9 5.0 15.0

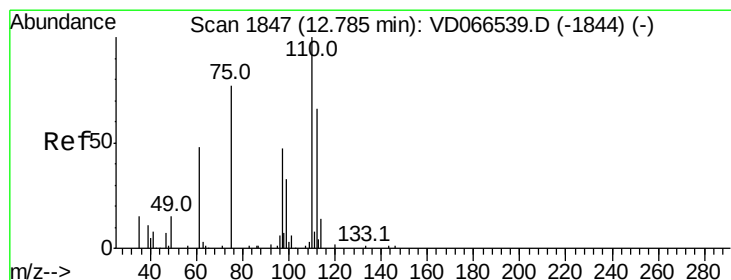
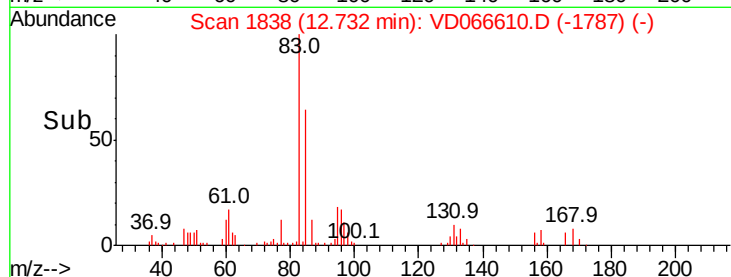
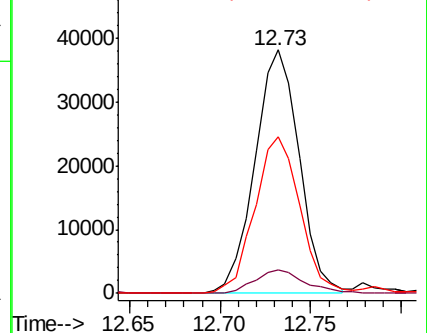
85 65.6 32.1 96.3



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: 37.796 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066610.D

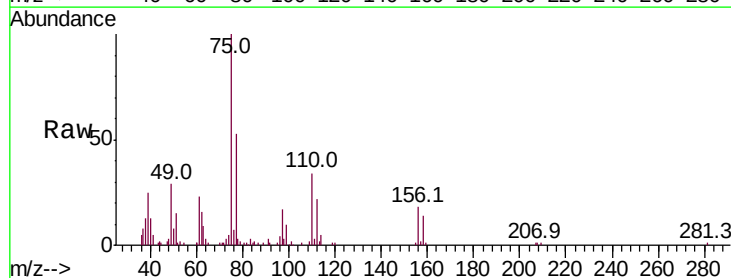
Acq: 10 Sep 2020 12:31

Tgt Ion: 75 Resp: 88727

Ion Ratio Lower Upper

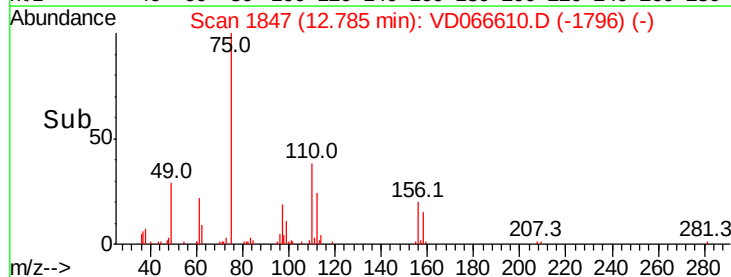
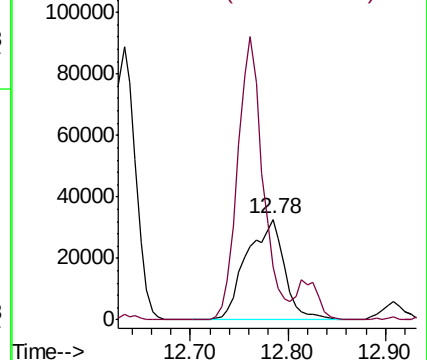
75 100

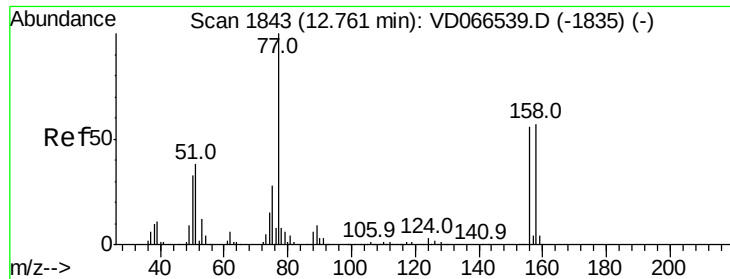
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.602 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

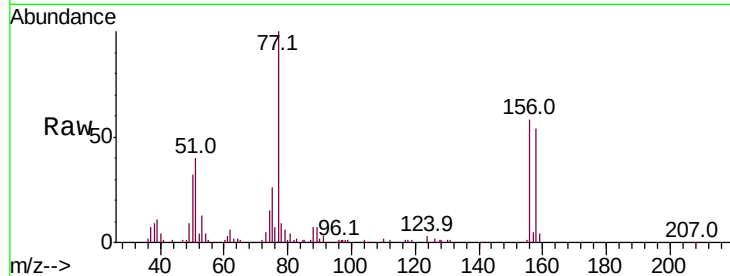
Tot Ion:156 Resp: 87037

Ion Ratio Lower Upper

156 100

77 192.0 98.0 294.1

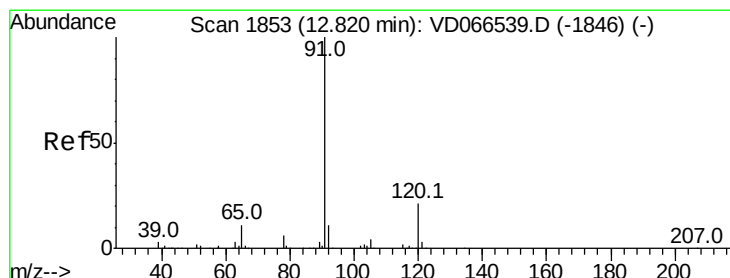
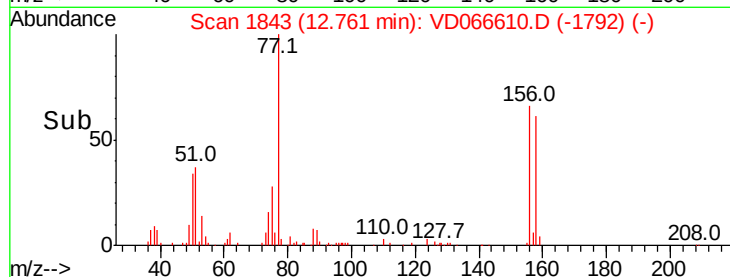
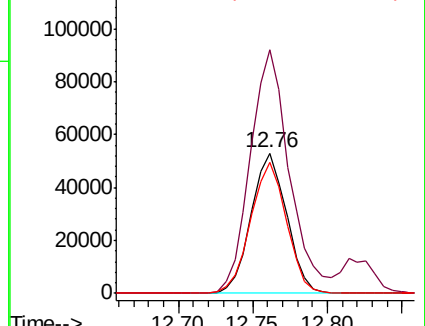
158 94.2 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.295 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066610.D

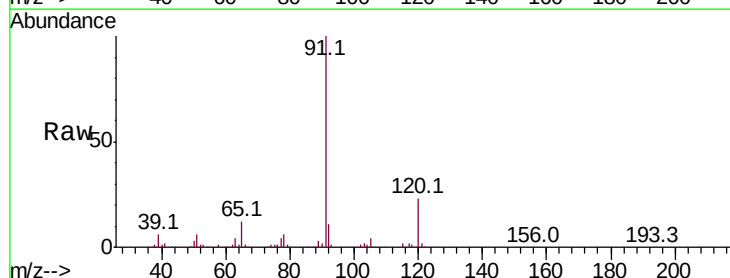
Acq: 10 Sep 2020 12:31

Tgt Ion: 91 Resp: 466532

Ion Ratio Lower Upper

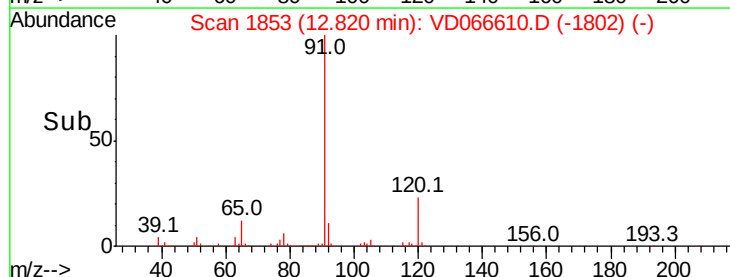
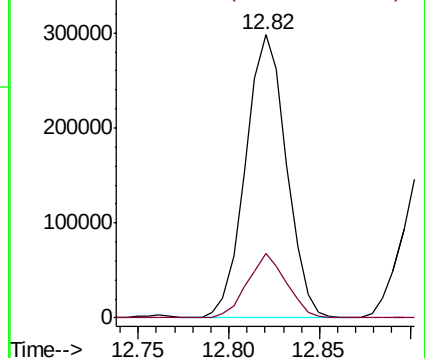
91 100

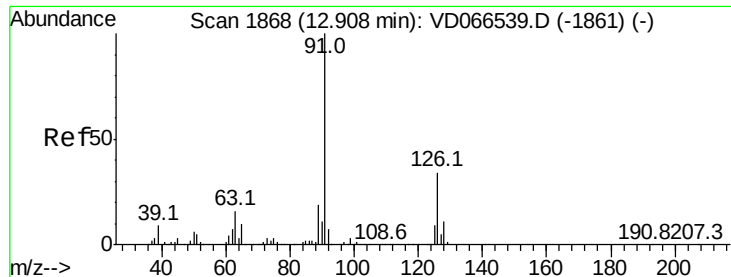
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.733 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

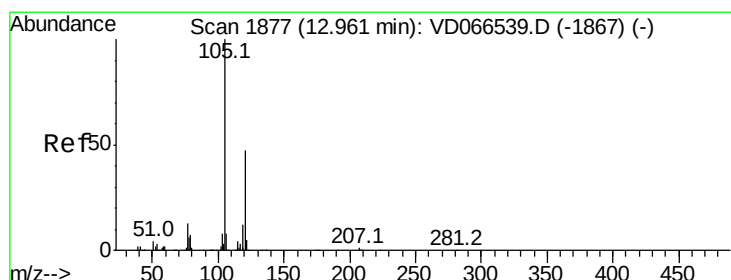
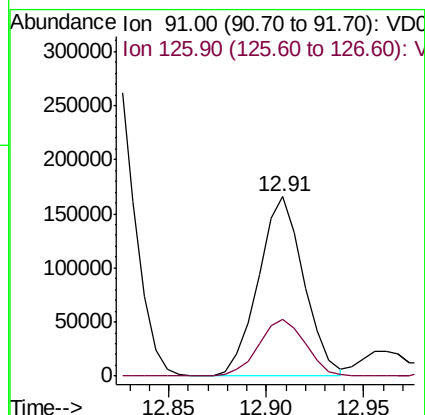
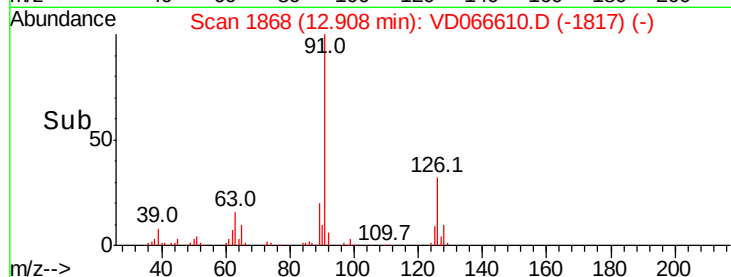
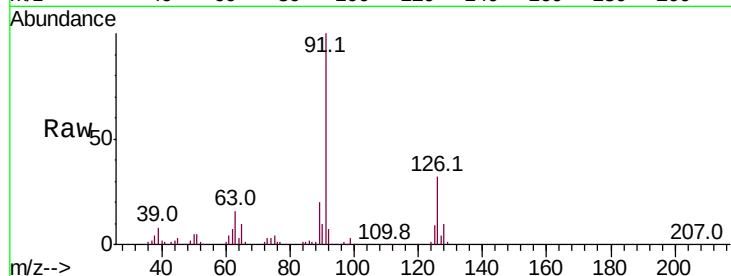
VD0910SBS01

Tot Ion: 91 Resp: 267106

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 21.594 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066610.D

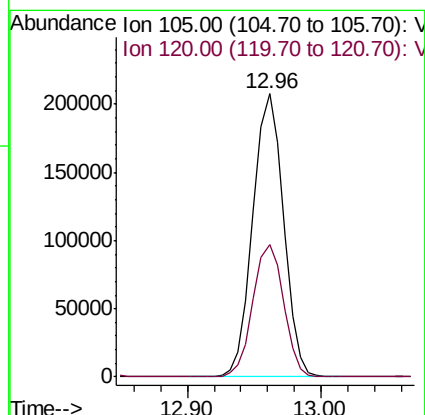
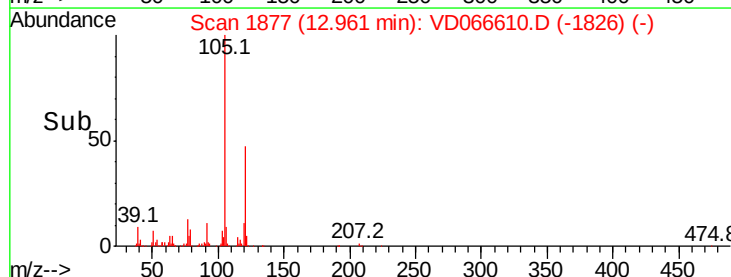
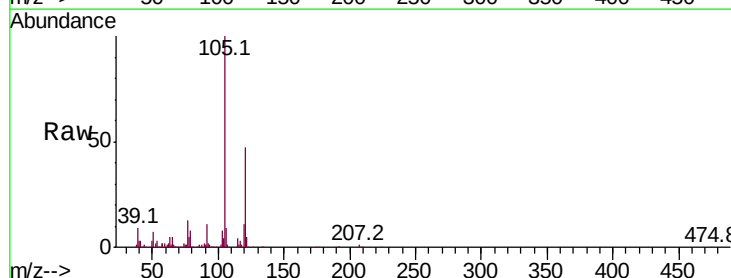
Acq: 10 Sep 2020 12:31

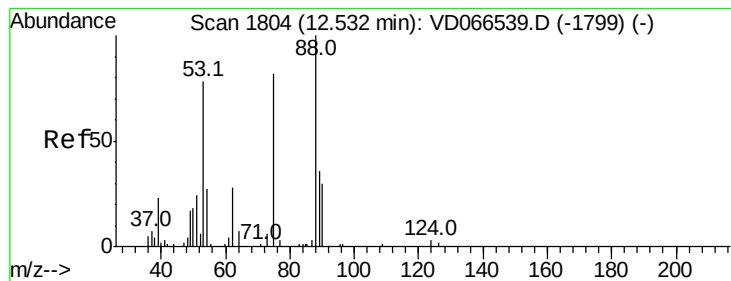
Tgt Ion: 105 Resp: 328466

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.896 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

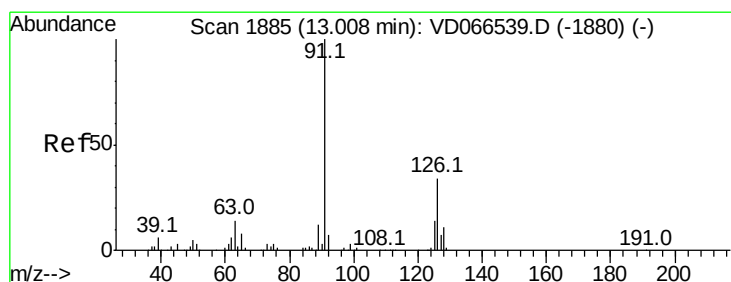
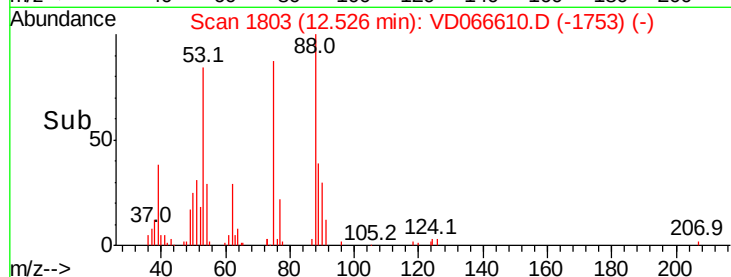
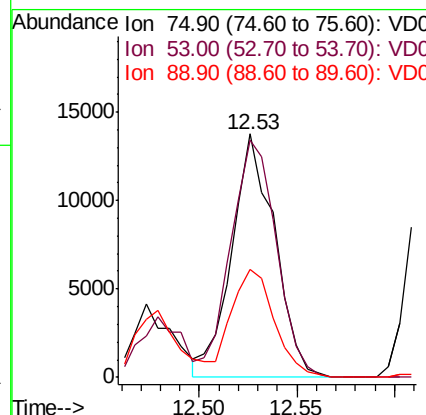
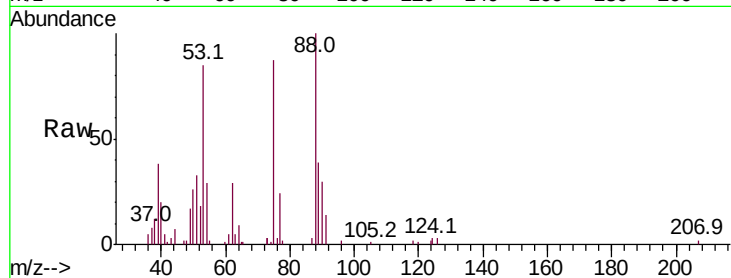
Tot Ion: 75 Resp: 21011

Ion Ratio Lower Upper

75 100

53 104.1 87.0 130.4

89 45.2 37.1 55.7



#82

4-Chlorotoluene

Concen: 21.474 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066610.D

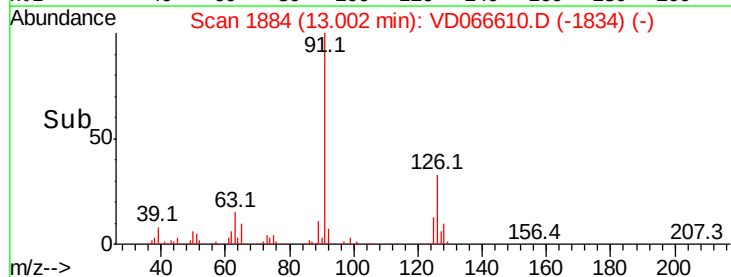
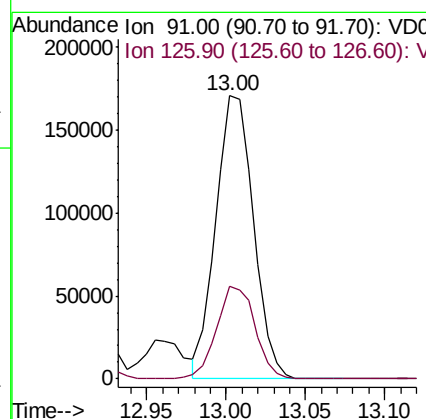
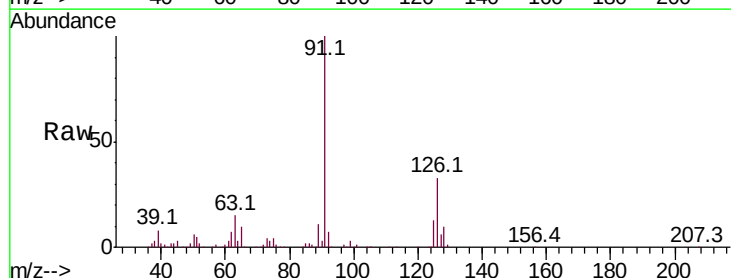
Acq: 10 Sep 2020 12:31

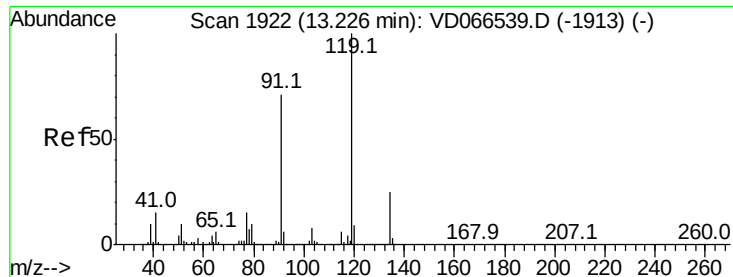
Tgt Ion: 91 Resp: 282226

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.1

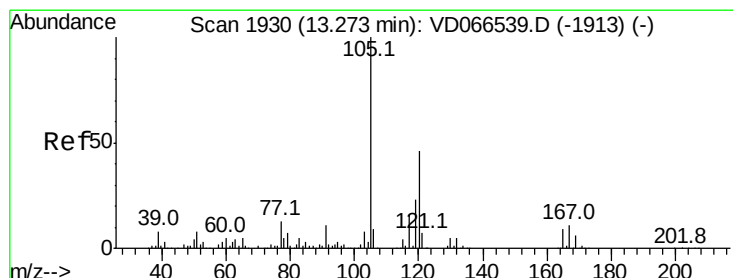
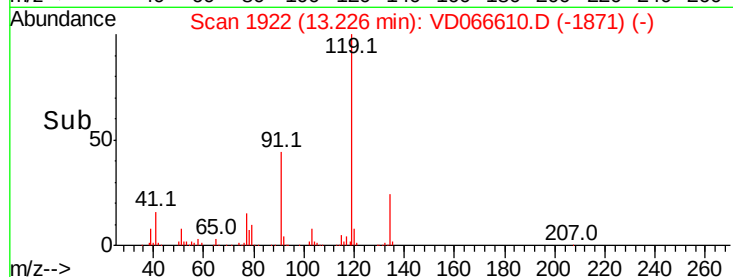
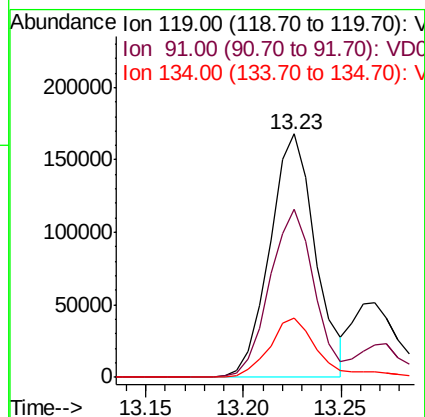
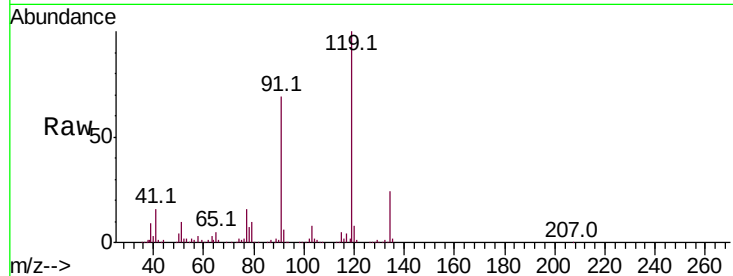




#83
 tert-Butylbenzene
 Concen: 21.893 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

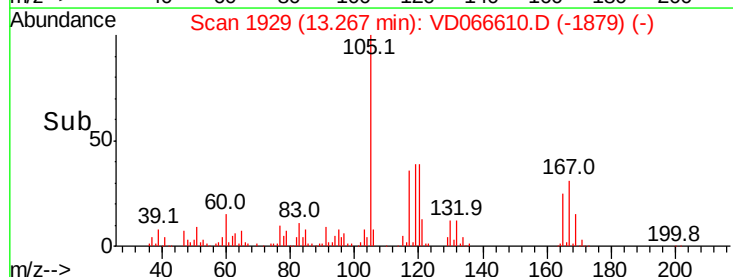
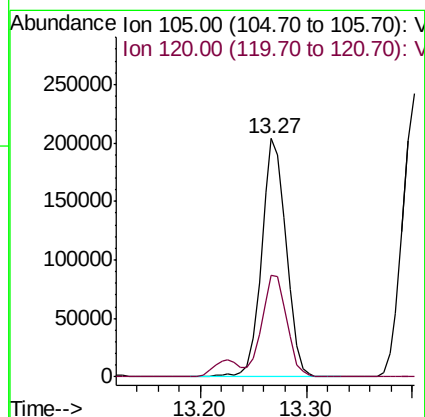
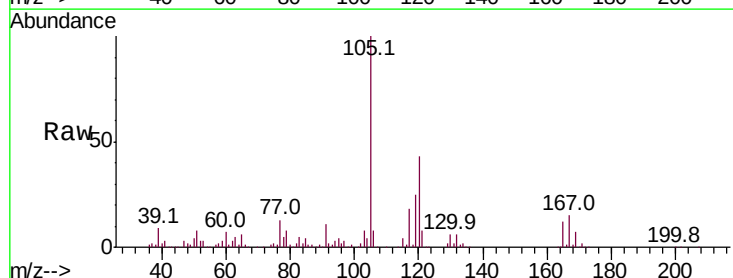
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

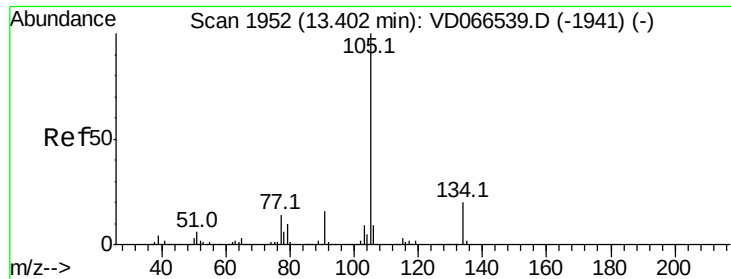
Tot Ion:119 Resp: 271936
 Ion Ratio Lower Upper
 119 100
 91 67.3 35.2 105.6
 134 26.5 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.747 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion:105 Resp: 329343
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.538 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

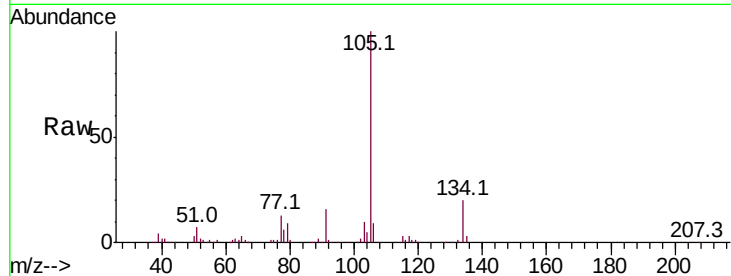
VD0910SBS01

Tot Ion:105 Resp: 385436

Ion Ratio Lower Upper

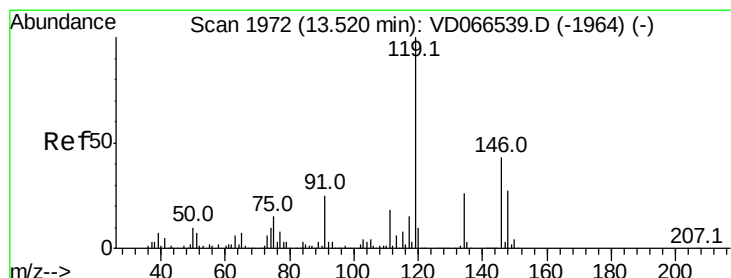
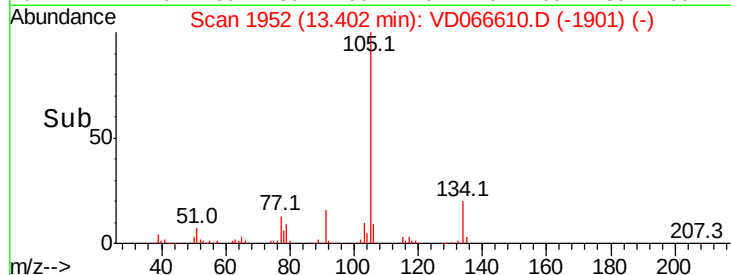
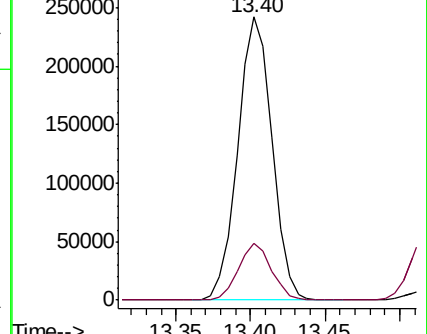
105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.954 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

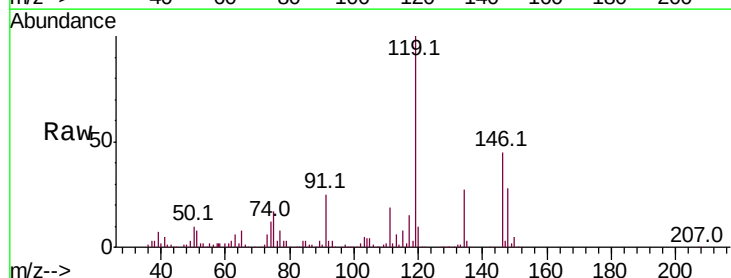
Tgt Ion:119 Resp: 353630

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

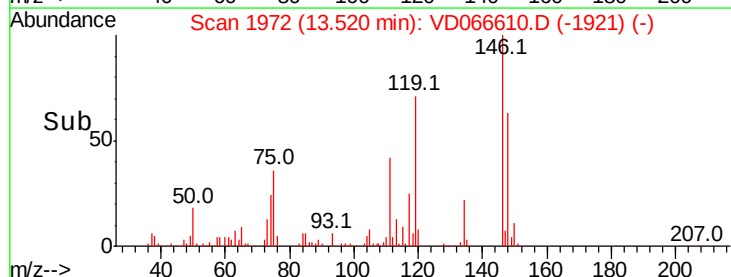
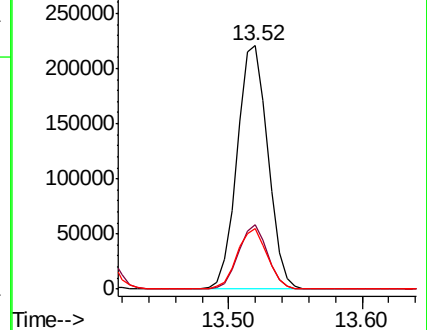
91 24.4 12.5 37.5

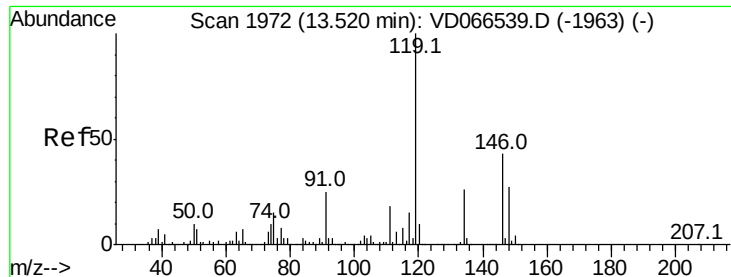


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.403 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

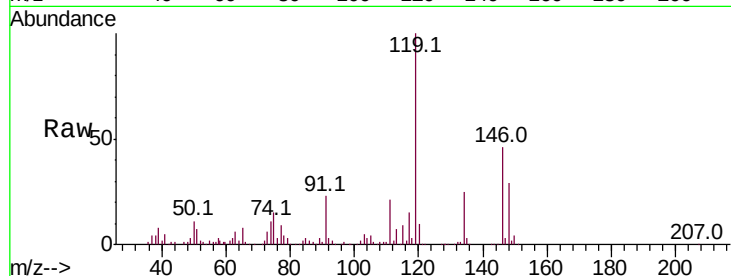
Tot Ion:146 Resp: 171198

Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.9

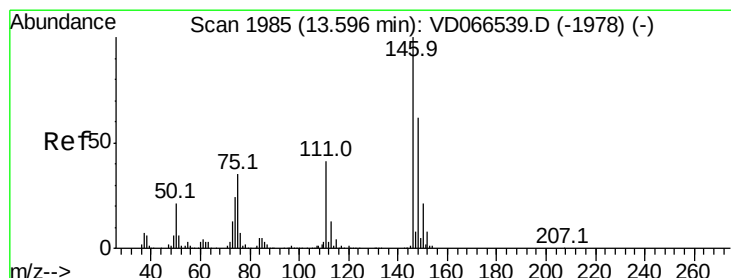
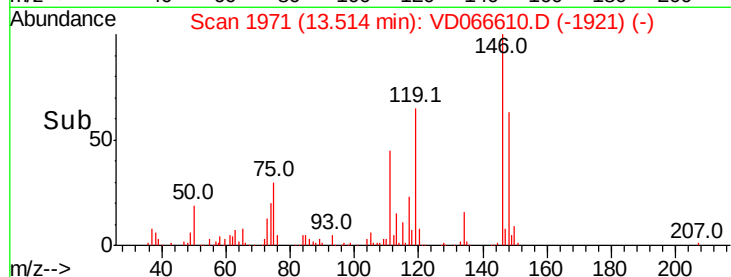
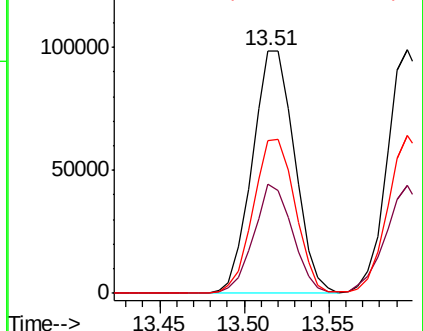
148 62.9 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 20.757 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

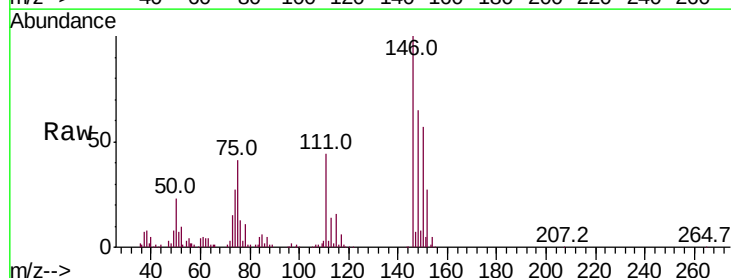
Tgt Ion:146 Resp: 166644

Ion Ratio Lower Upper

146 100

111 43.9 20.1 60.2

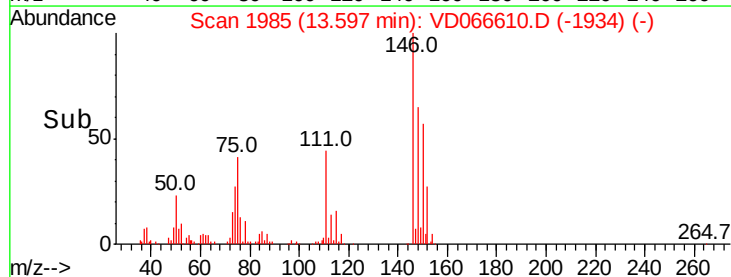
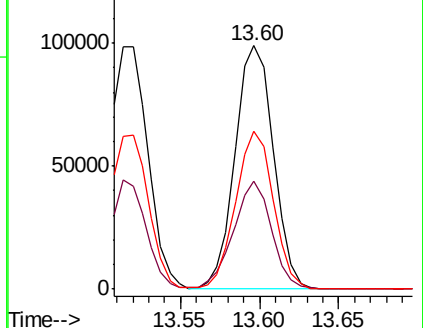
148 63.8 31.6 94.8

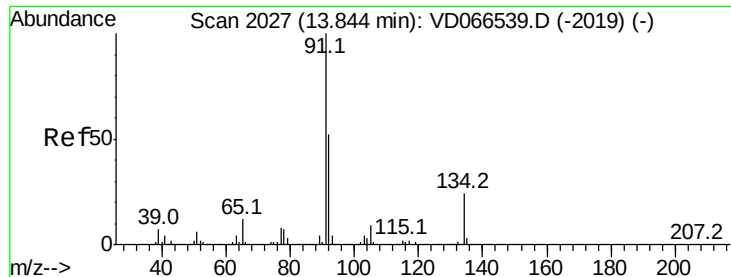


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

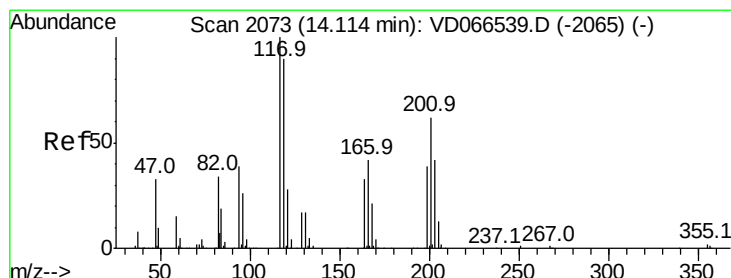
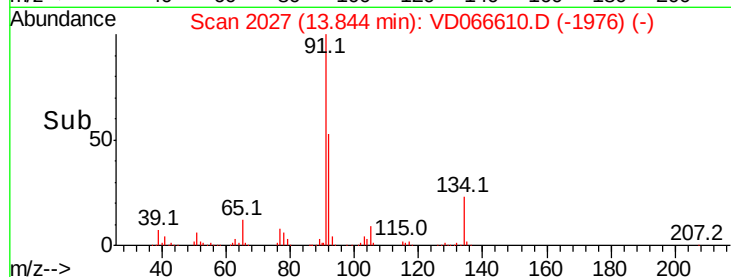
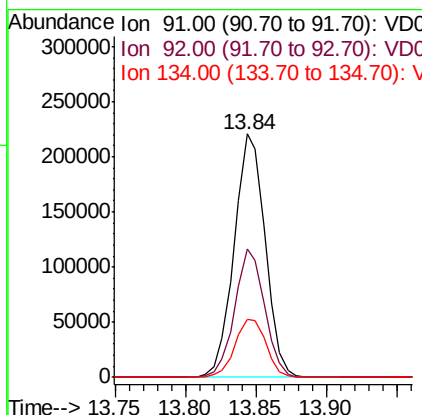
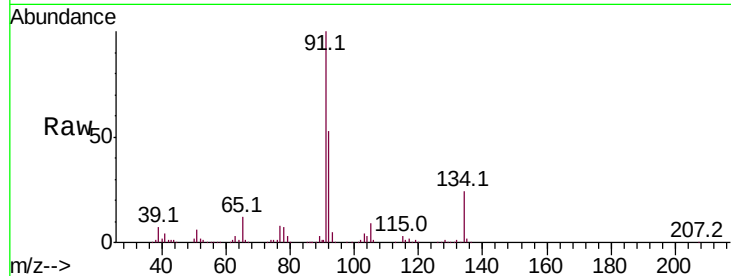




#89
n-Butylbenzene
Concen: 21.500 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

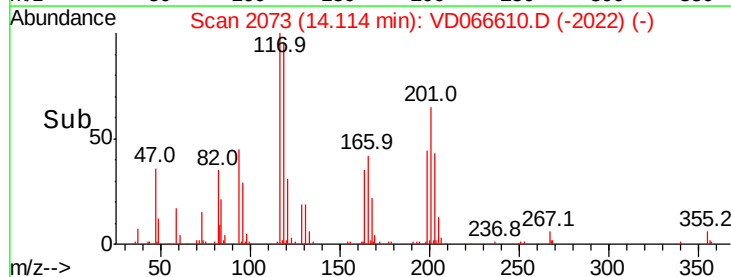
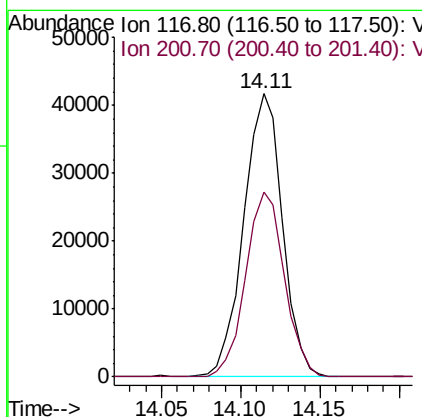
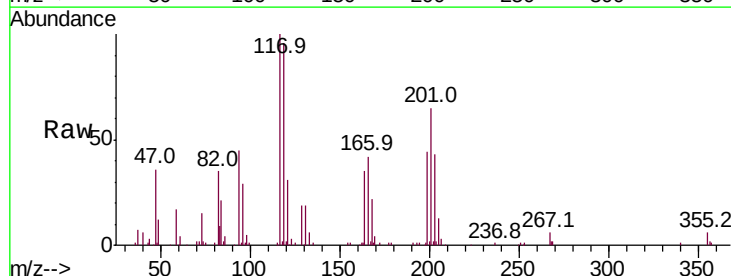
Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

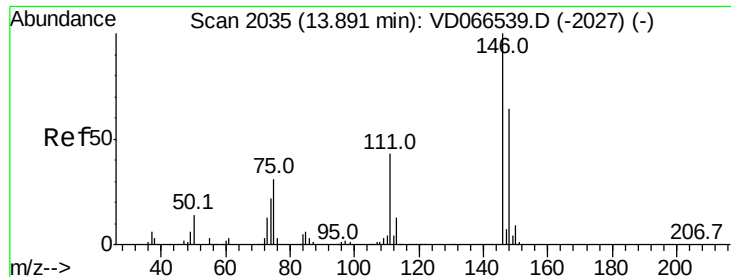
Tot Ion: 91 Resp: 337471
Ion Ratio Lower Upper
91 100
92 50.9 26.5 79.5
134 24.0 12.1 36.3



#90
Hexachloroethane
Concen: 20.395 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 117 Resp: 70785
Ion Ratio Lower Upper
117 100
201 65.4 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 20.624 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

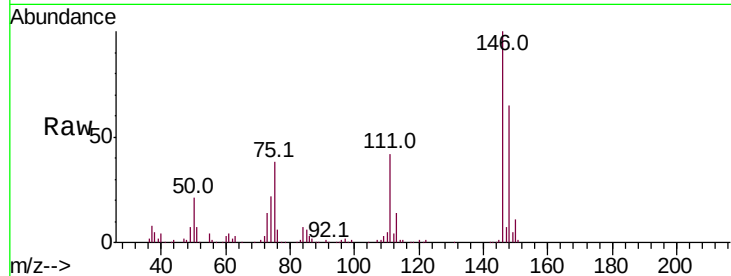
Tot Ion:146 Resp: 144191

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.4

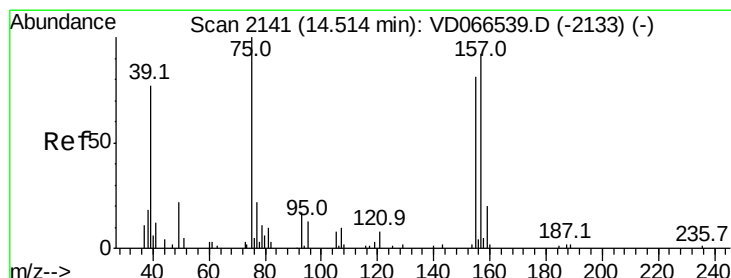
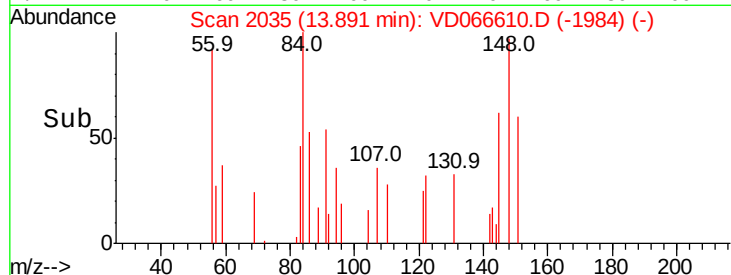
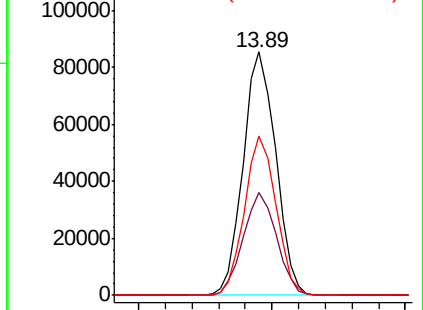
148 63.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.053 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

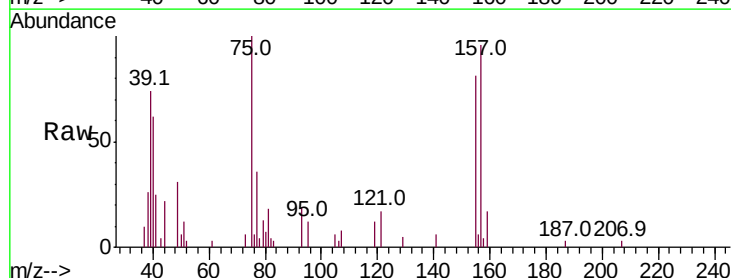
Tgt Ion: 75 Resp: 10876

Ion Ratio Lower Upper

75 100

155 71.9 39.3 117.8

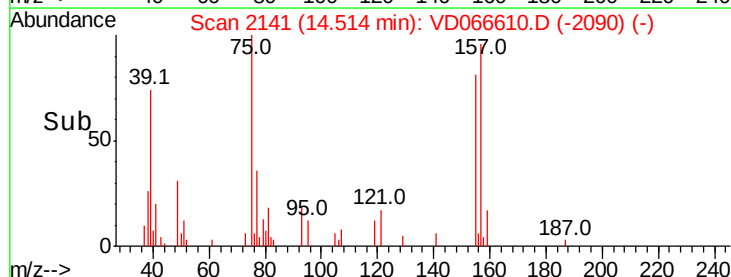
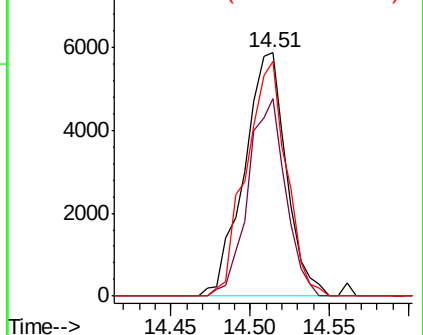
157 92.0 46.0 137.8

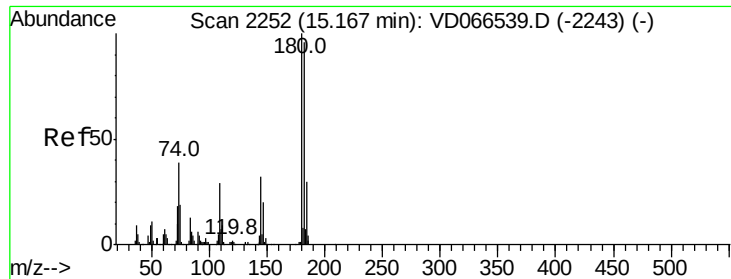


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

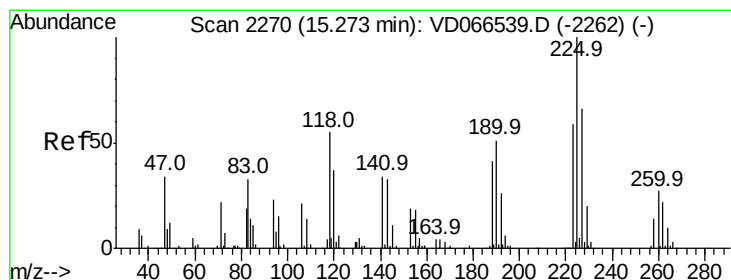
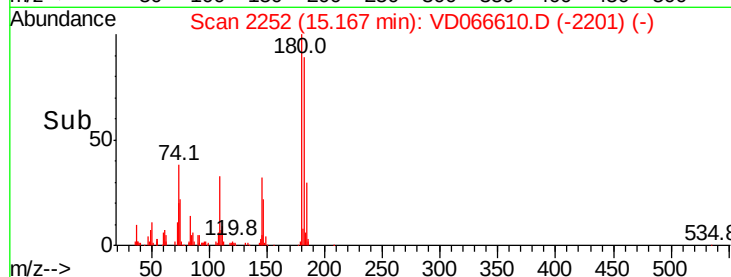
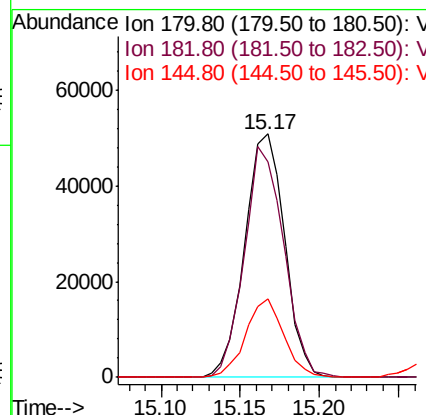
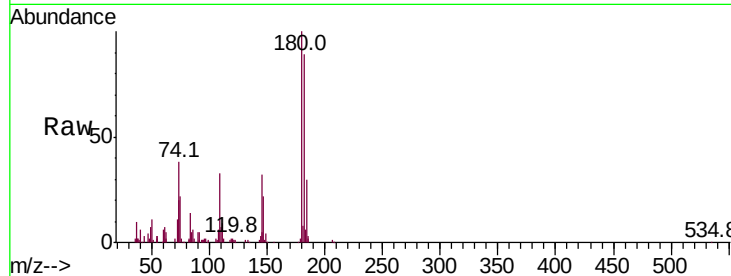




#93
 1,2,4-Trichlorobenzene
 Concen: 21.209 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

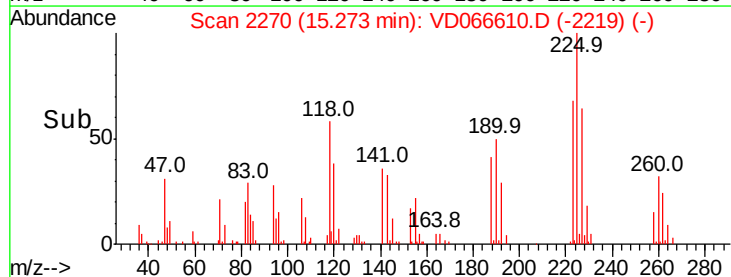
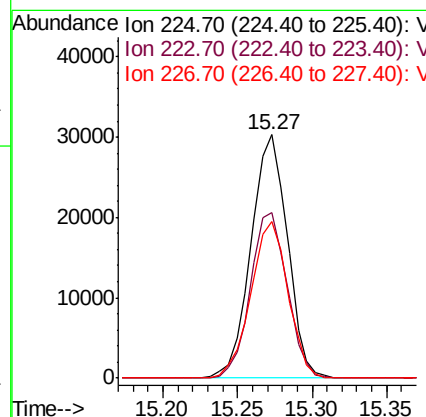
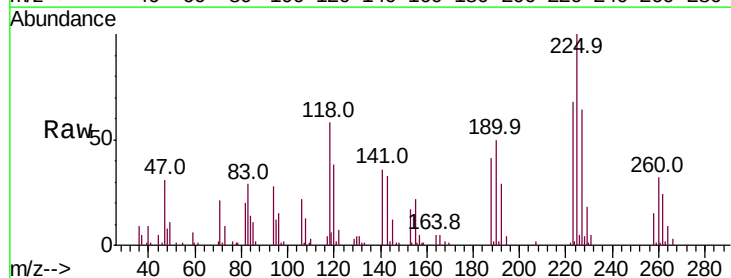
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

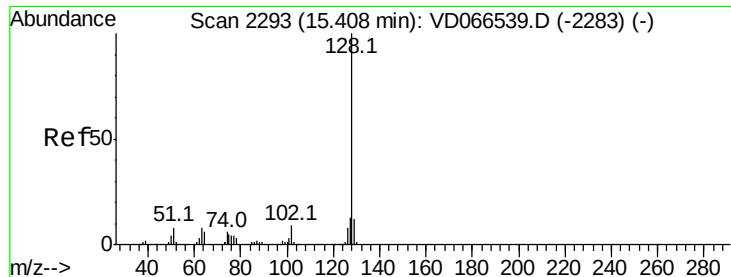
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.4	145.0
145	30.8	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 20.222 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.6	30.5	91.5
227	65.6	32.4	97.2

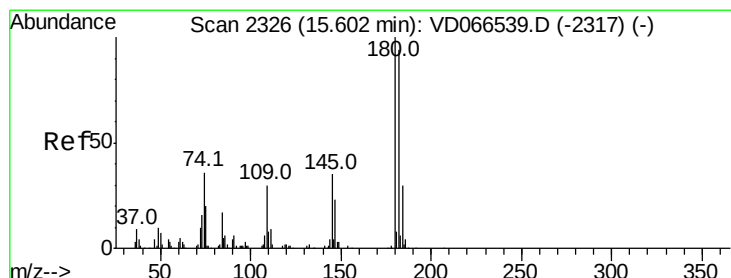
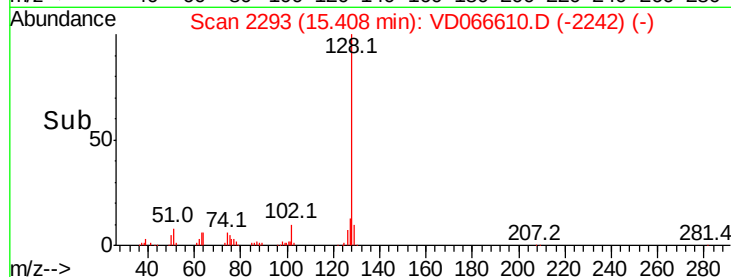
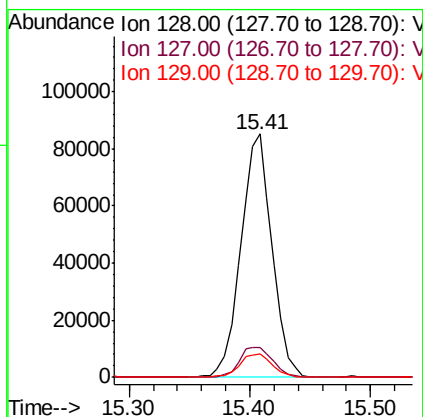
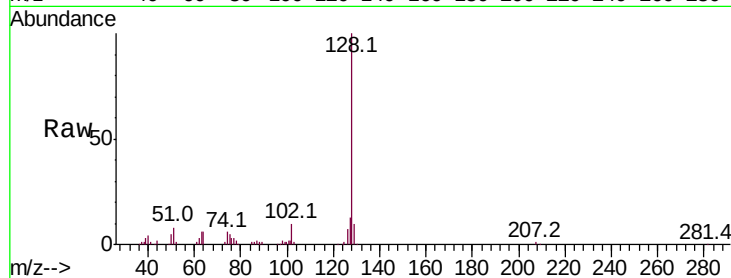




#95
Naphthalene
Concen: 20.792 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion:128 Resp: 152452
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 9.9 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 21.290 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion:180 Resp: 76159
Ion Ratio Lower Upper
180 100
182 92.7 47.9 143.6
145 36.3 17.3 51.7

