

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066297.D
 Acq On : 19 Aug 2020 02:13
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Quant Time: Aug 19 06:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	220339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	327098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115939	58.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.96%	
35) Dibromofluoromethane	7.91	113	112900	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	10.34	98	411254	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.63	95	148031	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	39562	20.380	ug/l	100
3) Chloromethane	2.20	50	29291	19.397	ug/l	97
4) Vinyl Chloride	2.34	62	29224	21.859	ug/l	96
5) Bromomethane	2.76	94	21101	23.789	ug/l	91
6) Chloroethane	2.91	64	18770	22.872	ug/l #	88
7) Trichlorofluoromethane	3.27	101	71315	20.461	ug/l	96
8) Diethyl Ether	3.70	74	20525	20.870	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	39667	19.177	ug/l	96
10) Methyl Iodide	4.30	142	40656	25.402	ug/l	96
11) Tert butyl alcohol	5.20	59	12186	53.100	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	39057	20.015	ug/l	92
13) Acrolein	3.92	56	8380	53.556	ug/l	100
14) Allyl chloride	4.71	41	55148	18.655	ug/l	92
15) Acrylonitrile	5.42	53	41336	99.742	ug/l	96
16) Acetone	4.16	43	35743	95.829	ug/l	96
17) Carbon Disulfide	4.40	76	112938	18.203	ug/l	97
18) Methyl Acetate	4.71	43	22064	23.289	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	94321	21.089	ug/l	98
20) Methylene Chloride	4.97	84	61610	26.577	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44361	19.789	ug/l	90
22) Diisopropyl ether	6.36	45	113914	19.486	ug/l	91
23) Vinyl Acetate	6.30	43	320072	93.456	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	75388	20.838	ug/l	98
25) 2-Butanone	7.21	43	55266	100.741	ug/l	92
26) 2,2-Dichloropropane	7.20	77	61595	18.996	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	50672	21.551	ug/l	97
28) Bromochloromethane	7.54	49	28981	22.807	ug/l	92
29) Tetrahydrofuran	7.56	42	33881	99.682	ug/l	96
30) Chloroform	7.70	83	81690	21.504	ug/l	97
31) Cyclohexane	7.97	56	60578	17.590	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	76483	21.473	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58776	19.122	ug/l	100
37) Ethyl Acetate	7.28	43	25036	20.558	ug/l #	93
38) Carbon Tetrachloride	8.09	117	72643	21.193	ug/l	91

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 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
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Quant Time: Aug 19 06:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	67642	18.205	ug/l	95
40) Benzene	8.34	78	166889	19.572	ug/l	93
41) Methacrylonitrile	7.53	41	14349	20.039	ug/l #	88
42) 1,2-Dichloroethane	8.41	62	55659	22.220	ug/l	100
43) Isopropyl Acetate	8.45	43	46604	19.422	ug/l	97
44) Trichloroethene	9.11	130	52710	20.514	ug/l	100
45) 1,2-Dichloropropane	9.38	63	40873	19.599	ug/l	94
46) Dibromomethane	9.47	93	24309	21.162	ug/l	98
47) Bromodichloromethane	9.66	83	64296	21.178	ug/l	92
48) Methyl methacrylate	9.45	41	22934	18.718	ug/l #	87
49) 1,4-Dioxane	9.46	88	5700	386.232	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	120539	97.797	ug/l	99
52) Toluene	10.40	92	114209	20.355	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58298	20.234	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	67073	19.869	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	33982	20.544	ug/l	97
56) Ethyl methacrylate	10.66	69	40402	20.333	ug/l	96
57) 1,3-Dichloropropane	10.94	76	57270	20.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	97263	108.821	ug/l	99
59) 2-Hexanone	10.98	43	82212	95.041	ug/l	96
60) Dibromochloromethane	11.14	129	47839	20.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32706	20.560	ug/l	96
64) Tetrachloroethene	10.87	164	47208	19.826	ug/l	93
65) Chlorobenzene	11.67	112	126179	20.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	50052	20.322	ug/l	98
67) Ethyl Benzene	11.74	91	219354	20.109	ug/l	97
68) m/p-Xylenes	11.85	106	167043	39.524	ug/l	95
69) o-Xylene	12.18	106	76511	19.901	ug/l	99
70) Styrene	12.19	104	137044	20.340	ug/l	98
71) Bromoform	12.36	173	29629	20.304	ug/l #	99
73) Isopropylbenzene	12.48	105	209153	19.252	ug/l	99
74) N-amyl acetate	12.29	43	42057	17.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38210	20.627	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47201	34.778	ug/l #	100
77) Bromobenzene	12.76	156	56500	20.203	ug/l	97
78) n-propylbenzene	12.82	91	242943	19.238	ug/l	100
79) 2-Chlorotoluene	12.91	91	142640	19.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	178513	19.648	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11123	18.117	ug/l	98
82) 4-Chlorotoluene	13.00	91	152580	20.012	ug/l	100
83) tert-Butylbenzene	13.23	119	155351	19.443	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	180470	19.848	ug/l	100
85) sec-Butylbenzene	13.40	105	208563	19.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	193949	19.169	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	101936	19.394	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	104672	19.969	ug/l	98
89) n-Butylbenzene	13.84	91	169327	18.679	ug/l	99
90) Hexachloroethane	14.11	117	40130	19.887	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	91204	19.621	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7048	22.137	ug/l	89

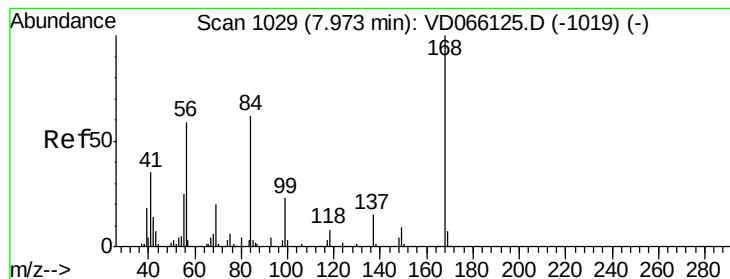
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066297.D
Acq On : 19 Aug 2020 02:13
Operator : VA/SY
Sample : VD0818SBSD02
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Aug 19 06:45:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63562	18.555	ug/l	99
94) Hexachlorobutadiene	15.27	225	37071	18.378	ug/l	99
95) Naphthalene	15.41	128	106910	19.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56584	18.712	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

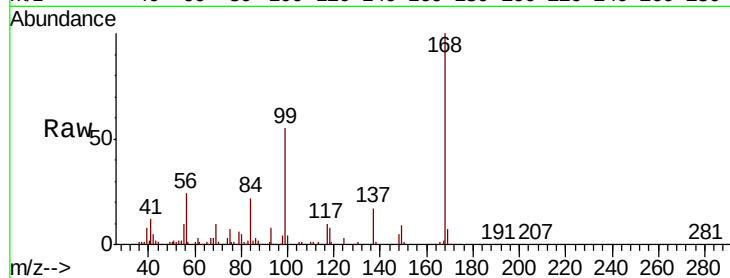
VD0818SBSD02

Tot Ion:168 Resp: 220339

Ion Ratio Lower Upper

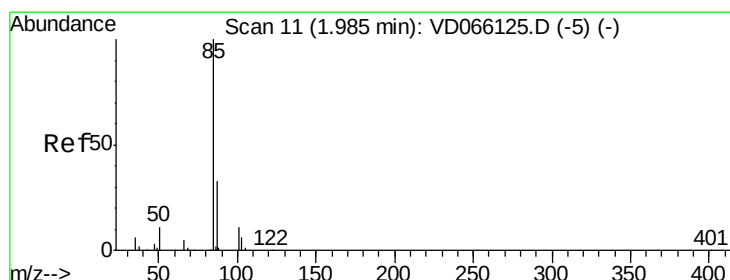
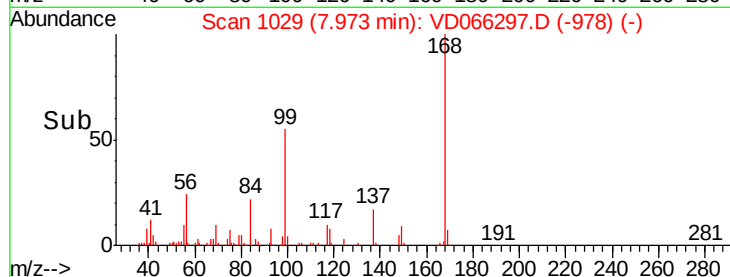
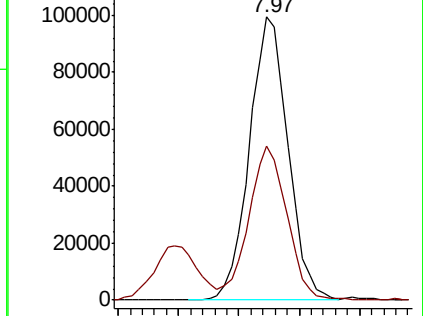
168 100

99 54.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.380 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066297.D

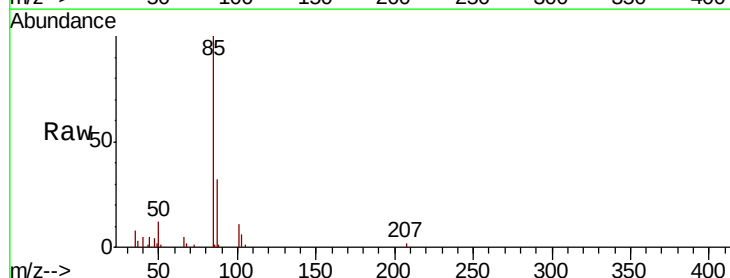
Acq: 19 Aug 2020 02:13

Tgt Ion: 85 Resp: 39562

Ion Ratio Lower Upper

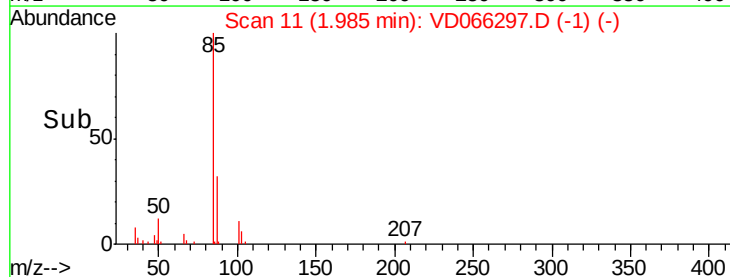
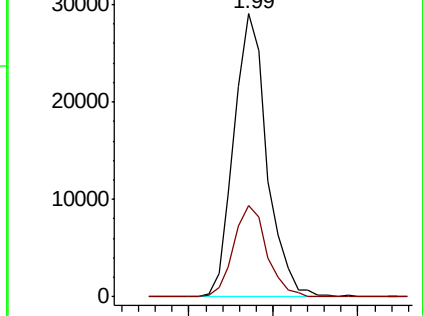
85 100

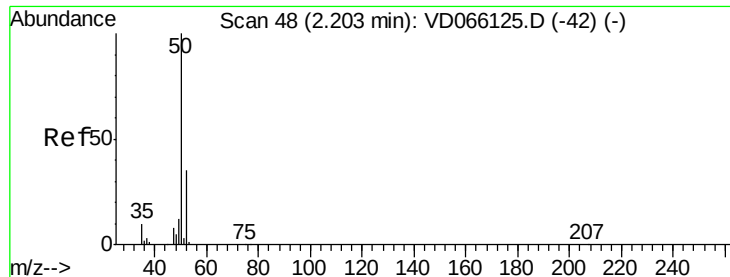
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.397 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

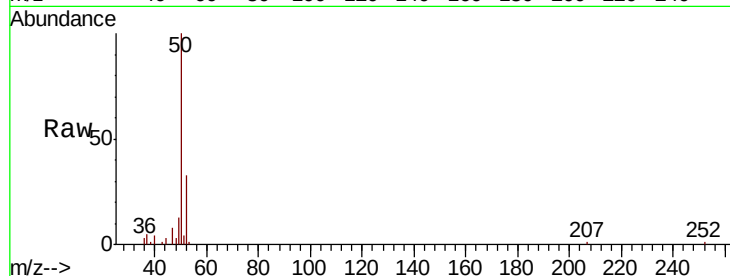
VD0818SBSD02

Tot Ion: 50 Resp: 29291

Ion Ratio Lower Upper

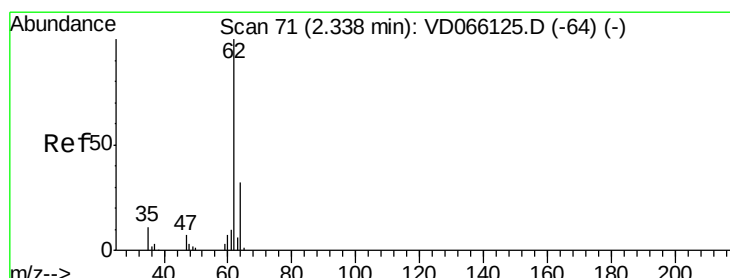
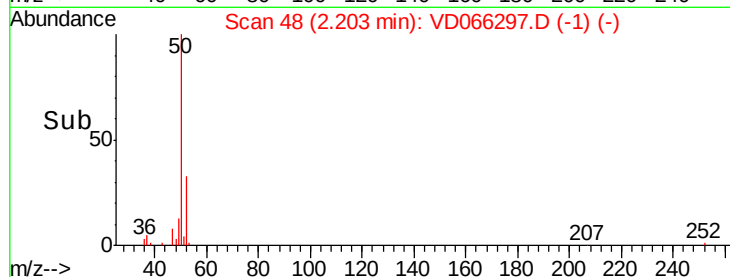
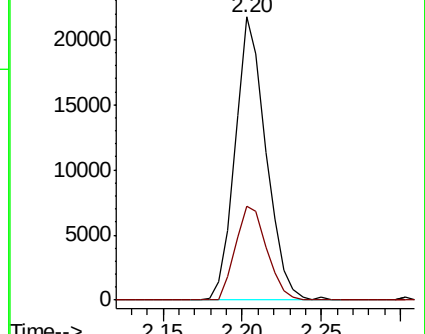
50 100

52 33.2 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.859 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066297.D

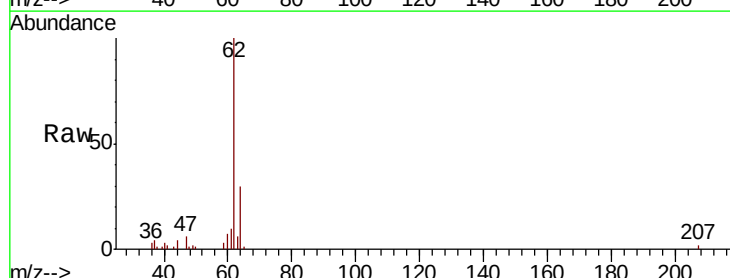
Acq: 19 Aug 2020 02:13

Tgt Ion: 62 Resp: 29224

Ion Ratio Lower Upper

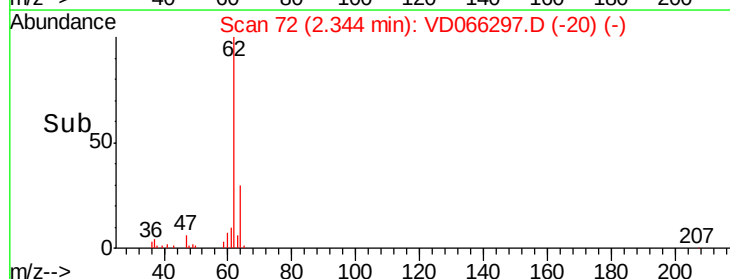
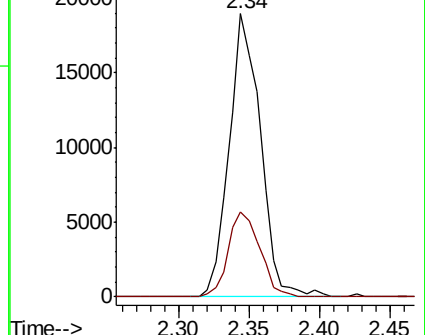
62 100

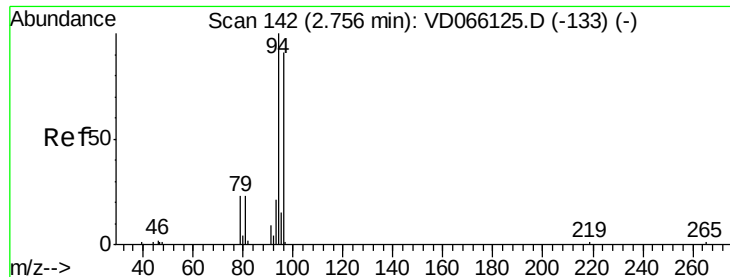
64 30.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.789 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

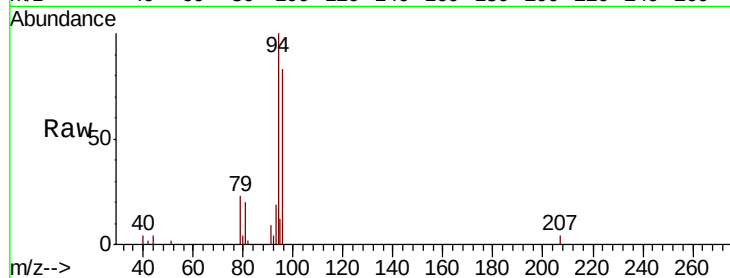
VD0818SBS02

Tot Ion: 94 Resp: 21101

Ion Ratio Lower Upper

94 100

96 82.6 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

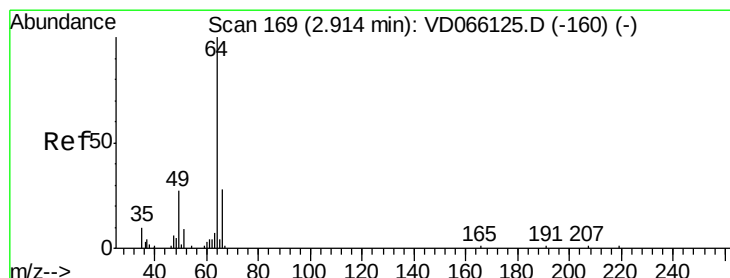
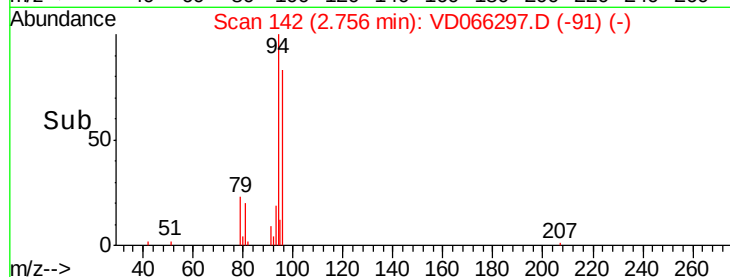
6000

4000

2000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 22.872 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066297.D

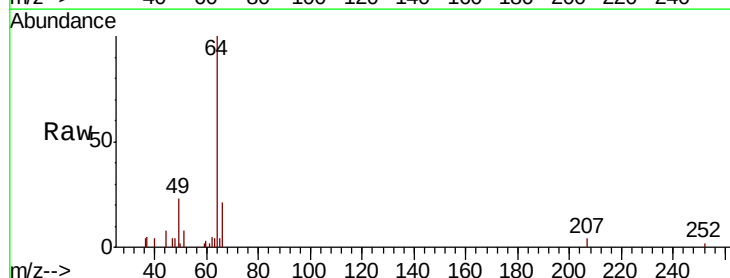
Acq: 19 Aug 2020 02:13

Tgt Ion: 64 Resp: 18770

Ion Ratio Lower Upper

64 100

66 21.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

8000

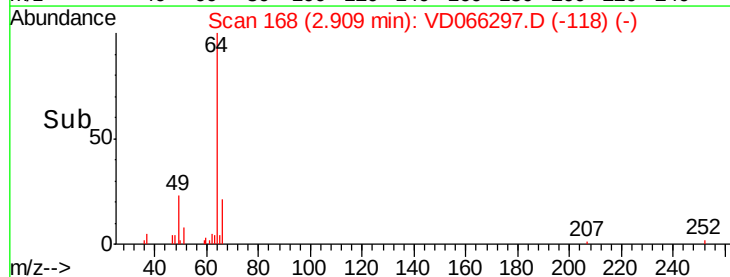
6000

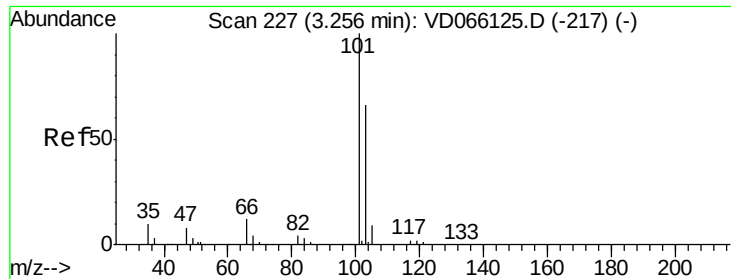
4000

2000

0

Time--> 2.85 2.90 2.95 3.00



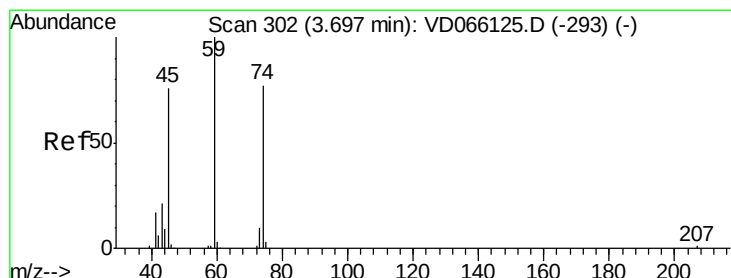
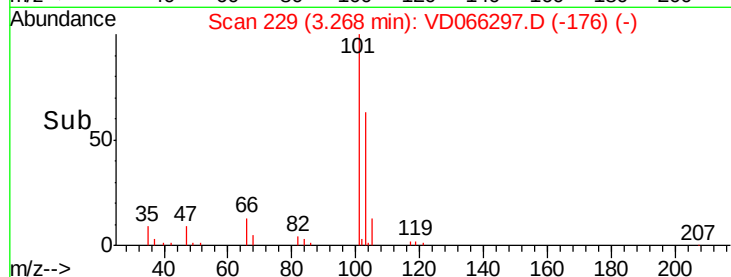
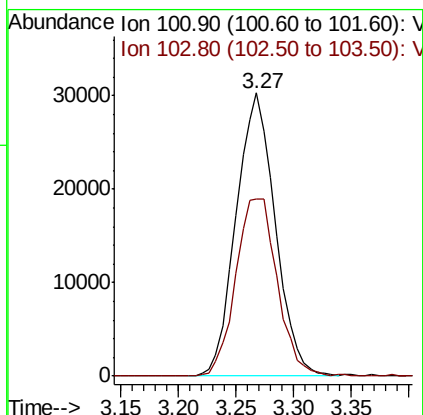
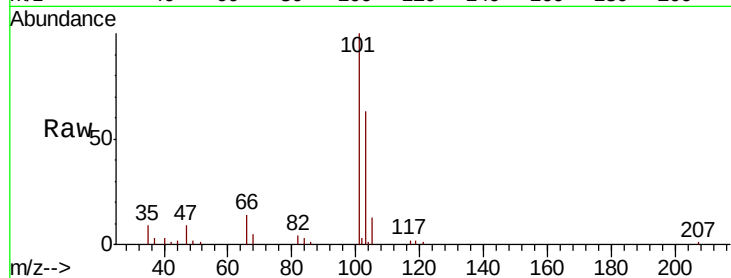


#7

Trichlorofluoromethane
Concen: 20.461 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

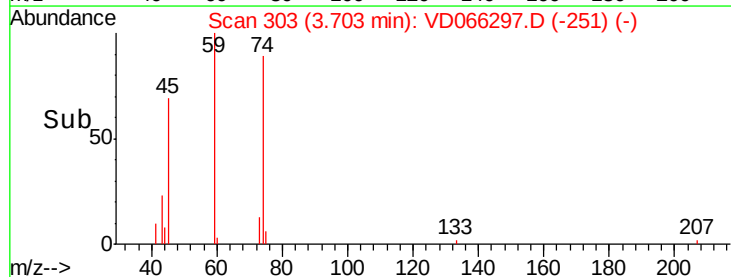
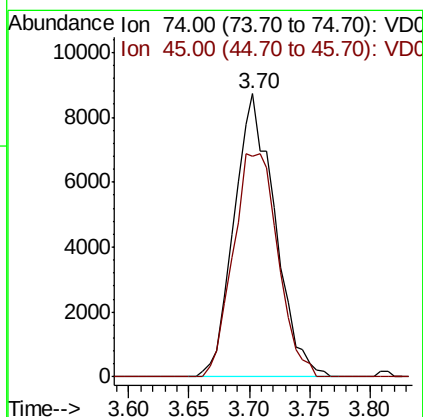
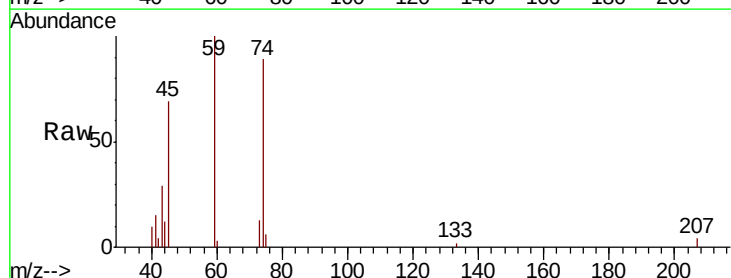
Tot Ion:101 Resp: 71315
Ion Ratio Lower Upper
101 100
103 62.8 53.0 79.6

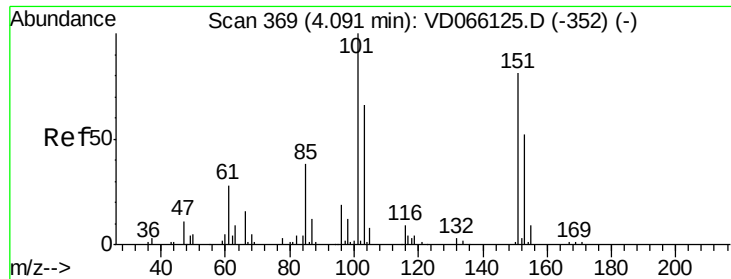


#8

Diethyl Ether
Concen: 20.870 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 74 Resp: 20525
Ion Ratio Lower Upper
74 100
45 86.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.177 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

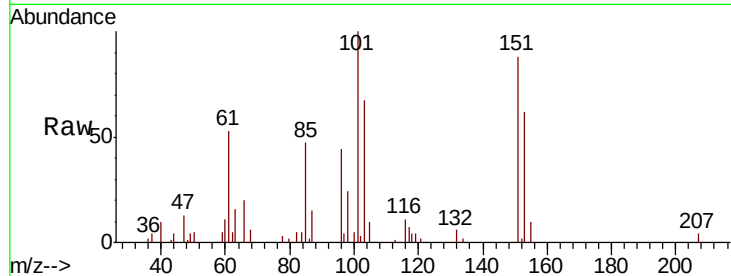
Tot Ion:101 Resp: 39667

Ion Ratio Lower Upper

101 100

85 43.3 33.5 50.3

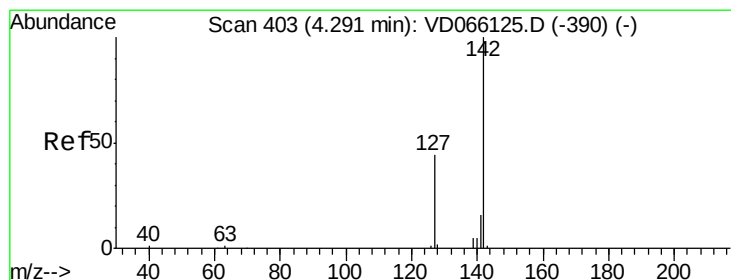
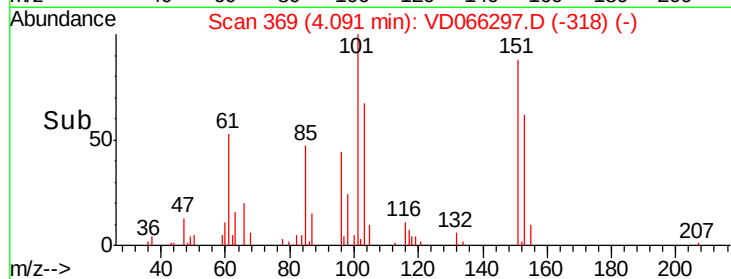
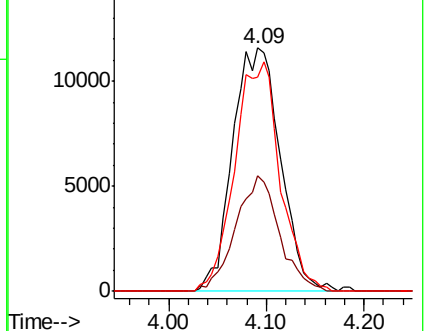
151 89.2 67.8 101.8



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: 25.402 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

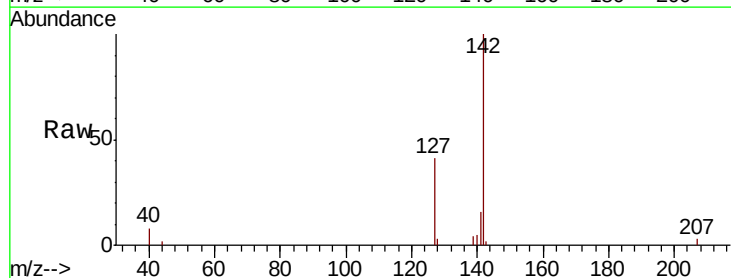
Tgt Ion:142 Resp: 40656

Ion Ratio Lower Upper

142 100

127 48.3 36.2 54.4

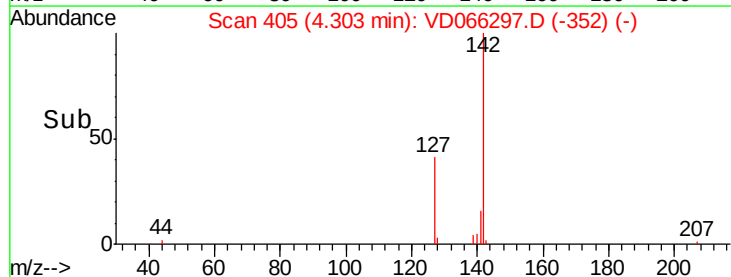
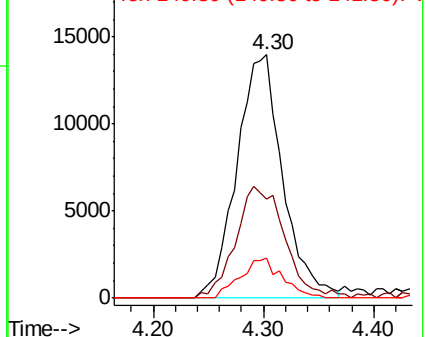
141 15.0 12.6 18.8

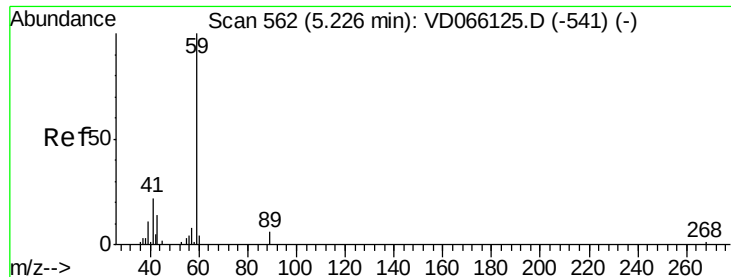


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 53.100 ug/l

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

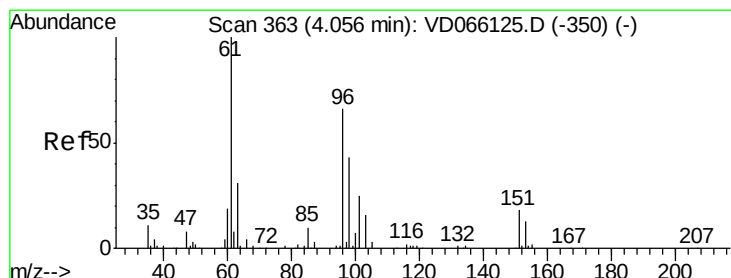
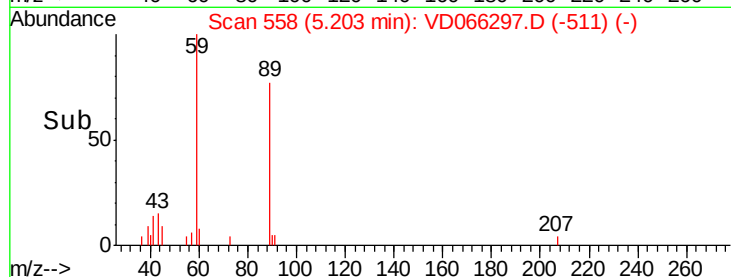
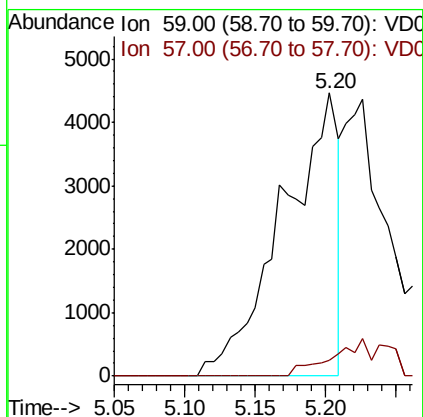
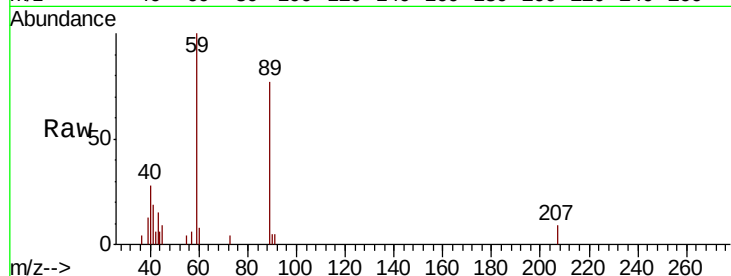
VD0818SBS02

Tot Ion: 59 Resp: 12186

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.4#



#12

1,1-Dichloroethene

Concen: 20.015 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

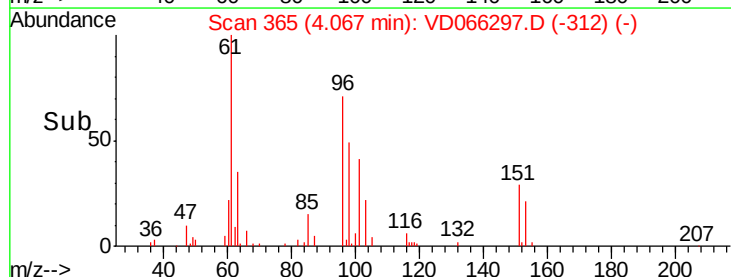
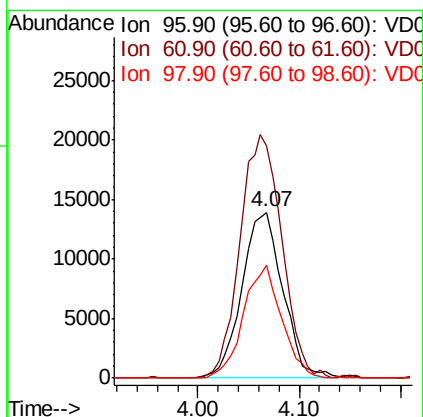
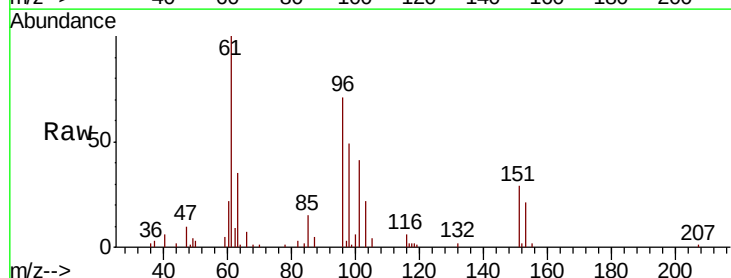
Tgt Ion: 96 Resp: 39057

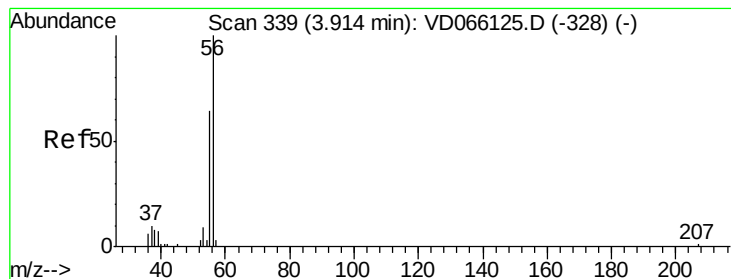
Ion Ratio Lower Upper

96 100

61 140.4 121.6 182.4

98 68.6 52.0 78.0





#13

Acrolein

Concen: 53.556 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

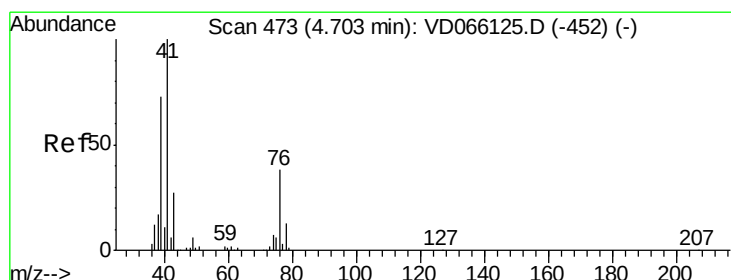
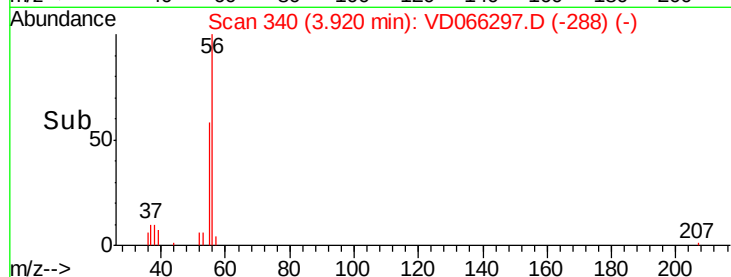
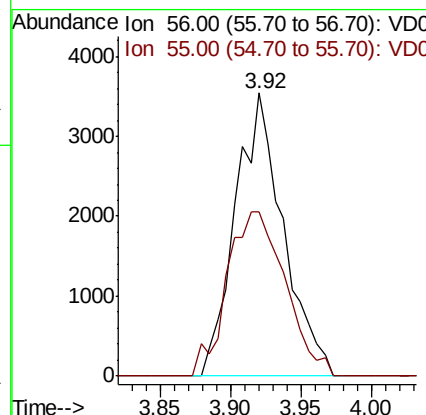
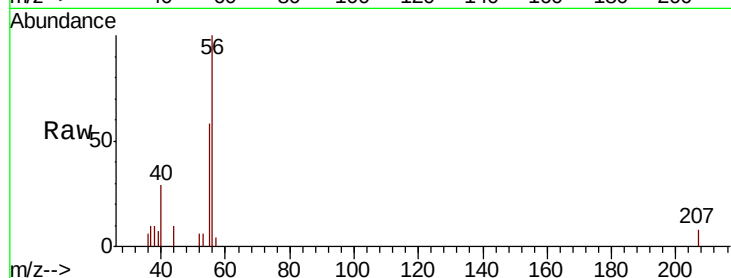
VD0818SBSD02

Tot Ion: 56 Resp: 8380

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Allyl chloride

Concen: 18.655 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

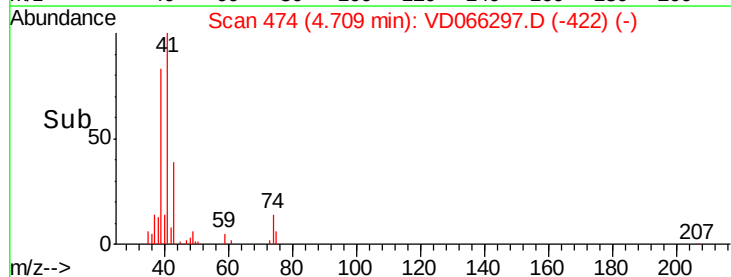
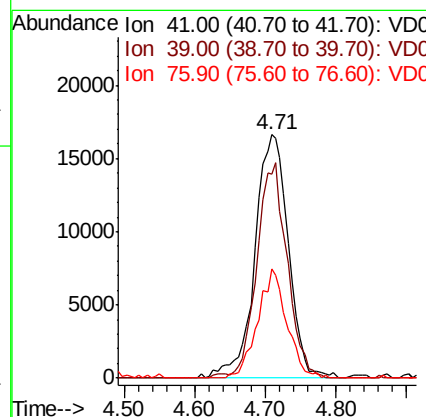
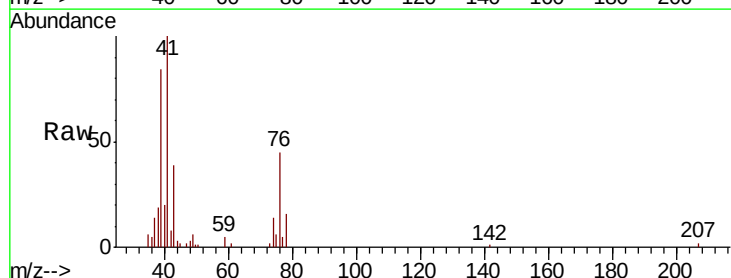
Tgt Ion: 41 Resp: 55148

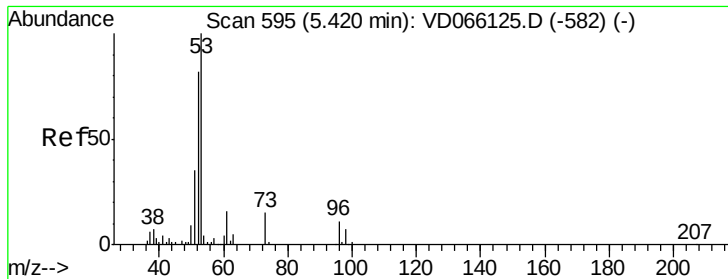
Ion Ratio Lower Upper

41 100

39 80.3 57.4 86.0

76 39.1 30.1 45.1





#15

Acrylonitrile

Concen: 99.742 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

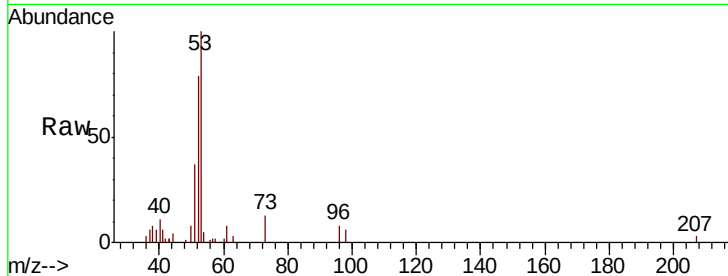
Tot Ion: 53 Resp: 41336

Ion Ratio Lower Upper

53 100

52 86.8 66.1 99.1

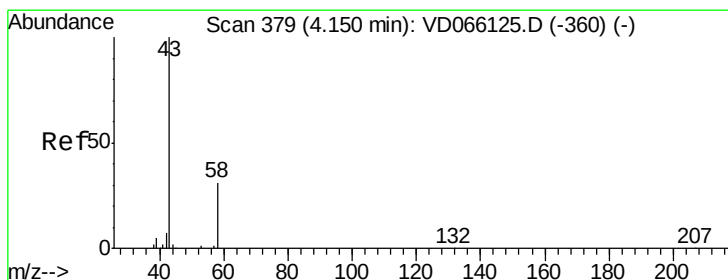
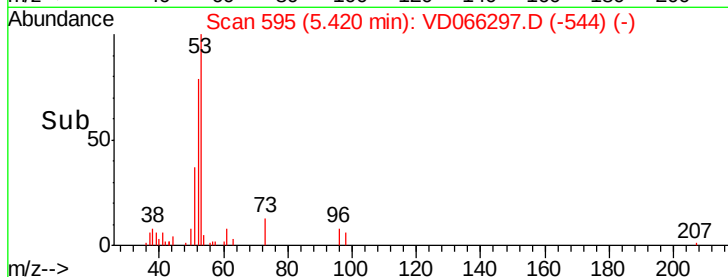
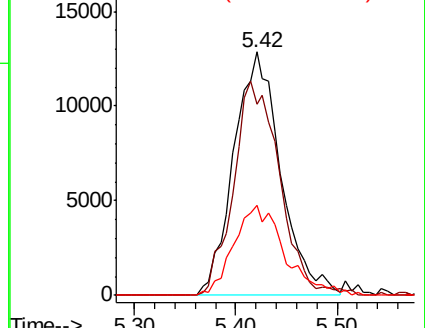
51 40.0 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.829 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066297.D

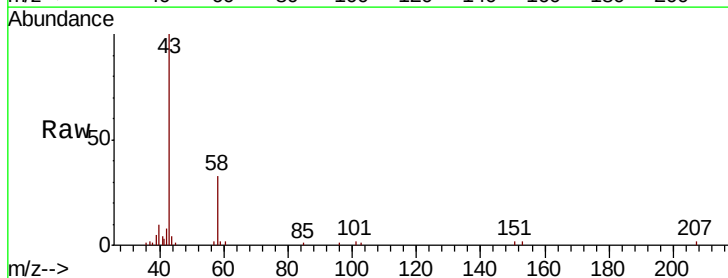
Acq: 19 Aug 2020 02:13

Tgt Ion: 43 Resp: 35743

Ion Ratio Lower Upper

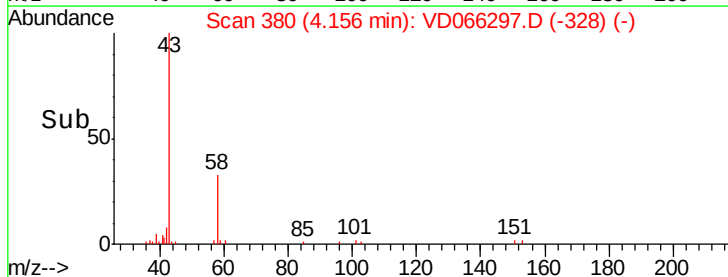
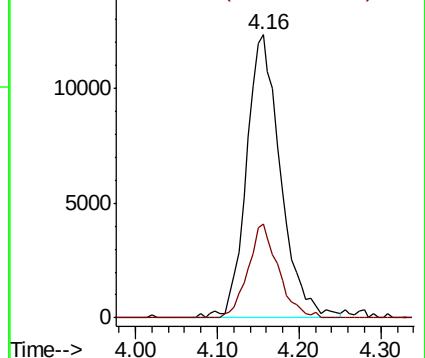
43 100

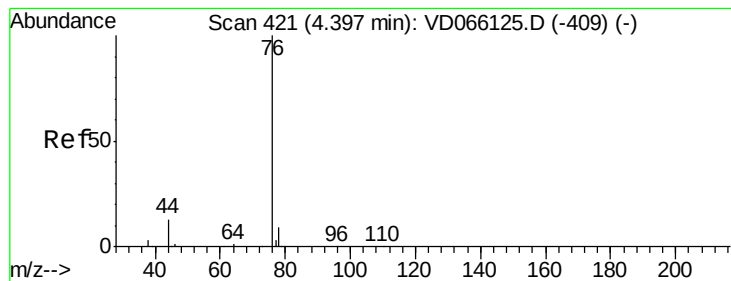
58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.203 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

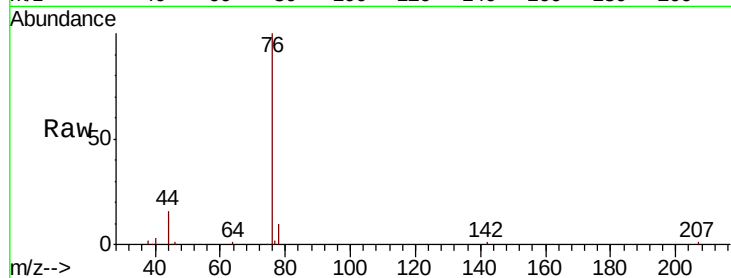
VD0818SBSD02

Tot Ion: 76 Resp: 112938

Ion Ratio Lower Upper

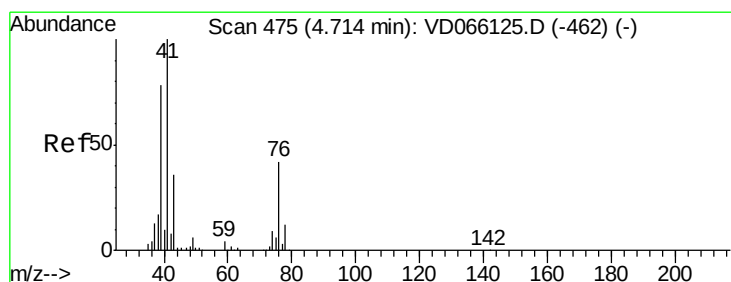
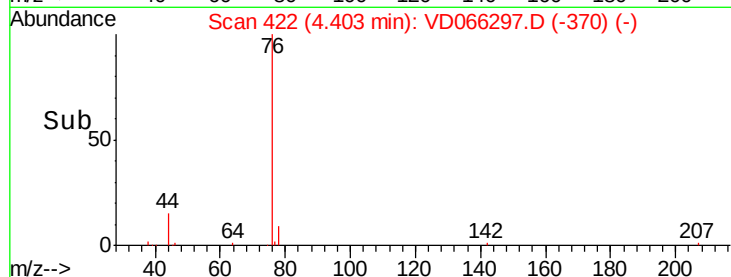
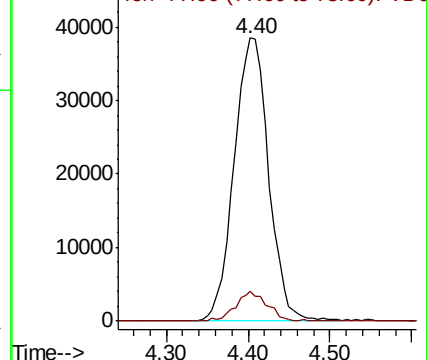
76 100

78 10.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.289 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066297.D

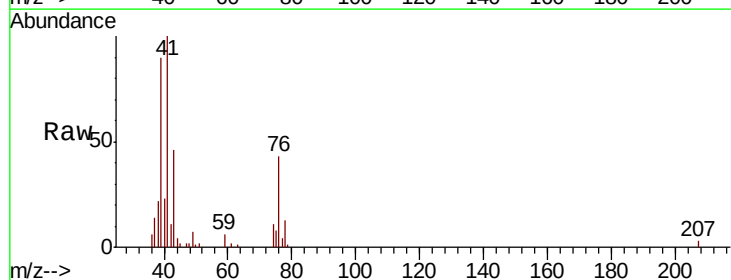
Acq: 19 Aug 2020 02:13

Tgt Ion: 43 Resp: 22064

Ion Ratio Lower Upper

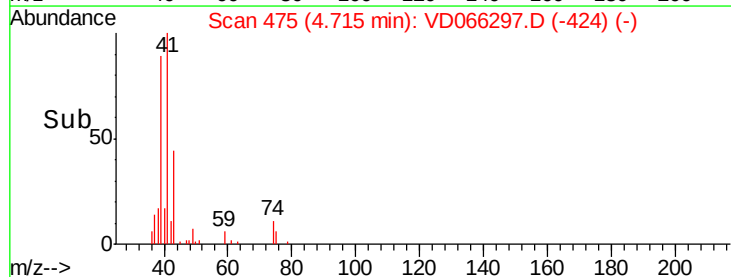
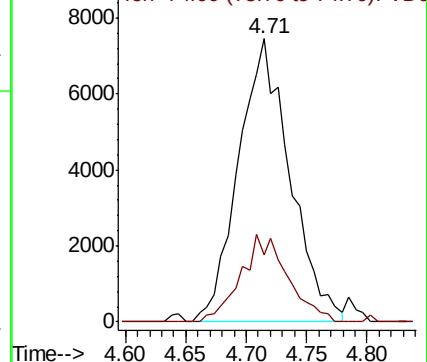
43 100

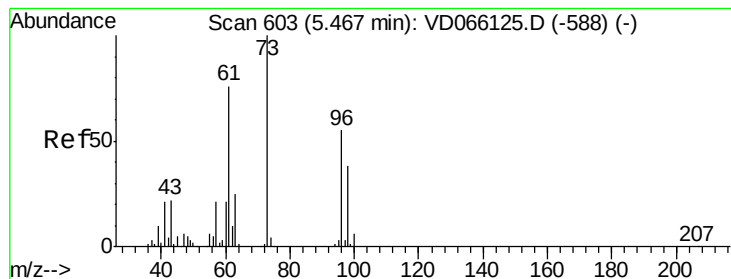
74 27.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



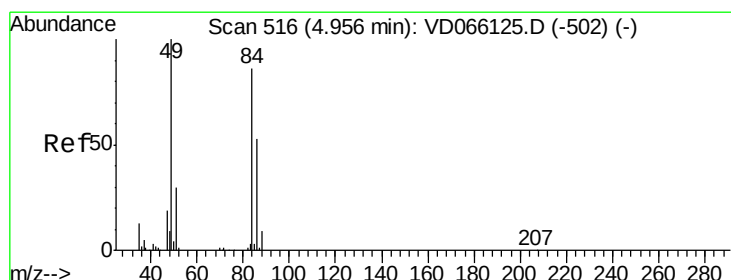
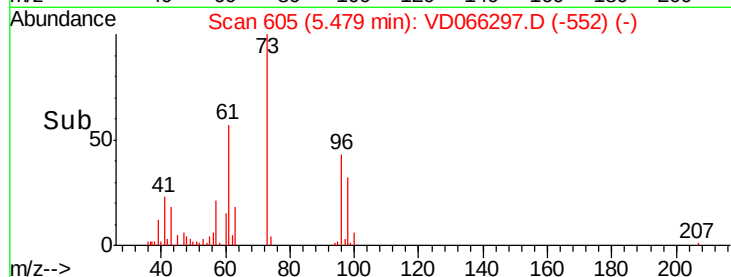
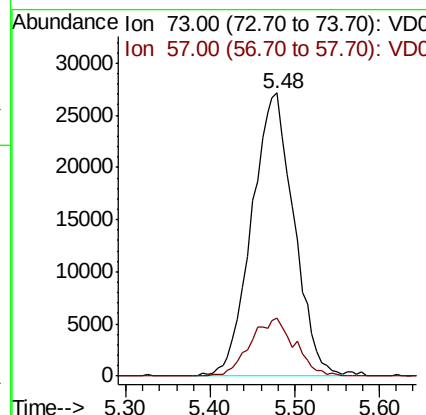
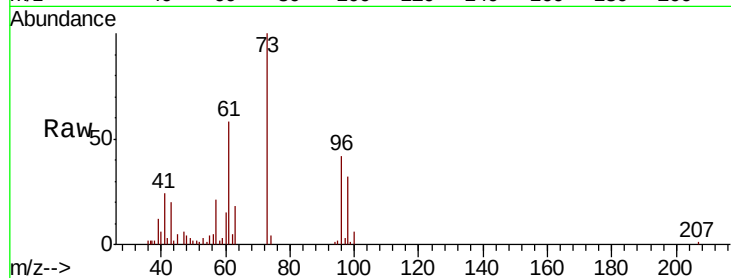


#19

Methyl tert-butyl Ether
 Concen: 21.089 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

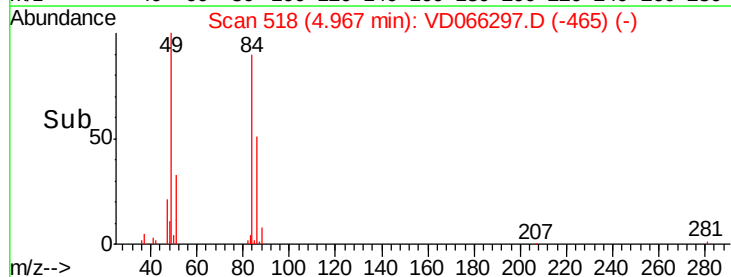
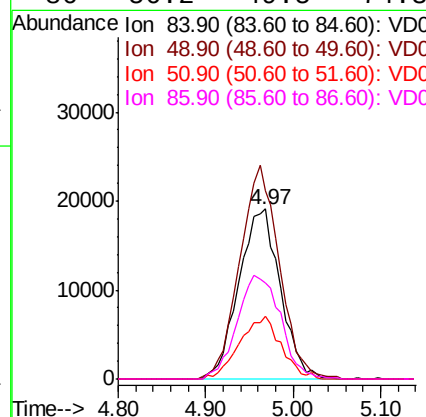
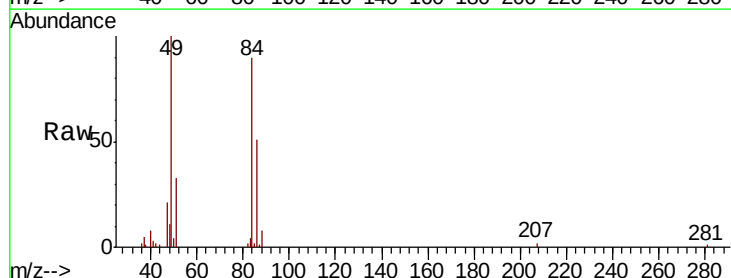
Tot Ion: 73 Resp: 94321
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.1 25.7

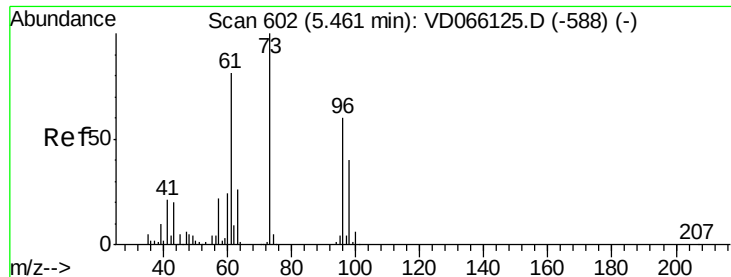


#20

Methylene Chloride
 Concen: 26.577 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 84 Resp: 61610
 Ion Ratio Lower Upper
 84 100
 49 111.1 93.5 140.3
 51 36.8 28.2 42.4
 86 56.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.789 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

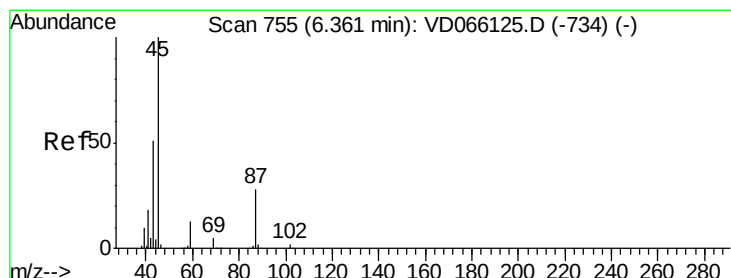
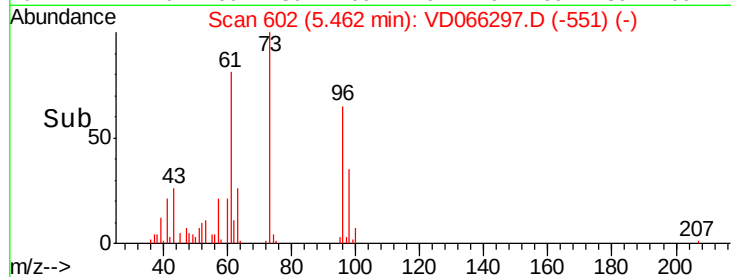
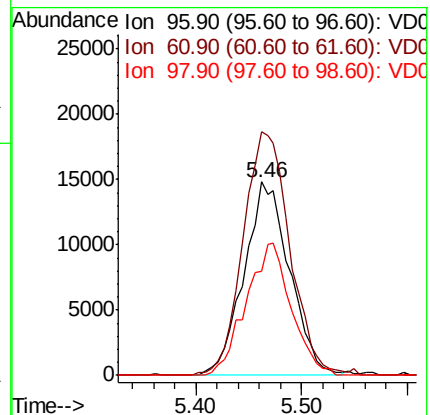
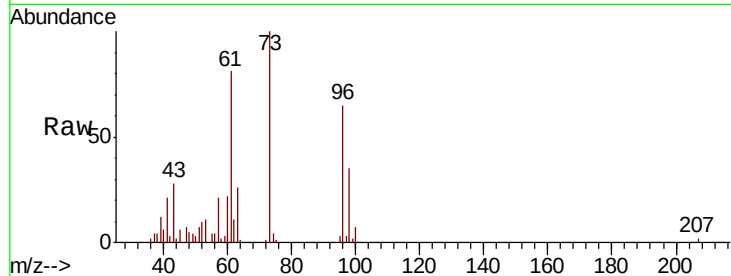
Tot Ion: 96 Resp: 44361

Ion Ratio Lower Upper

96 100

61 126.0 106.9 160.3

98 53.9 53.4 80.0



#22

Diisopropyl ether

Concen: 19.486 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion: 45 Resp: 113914

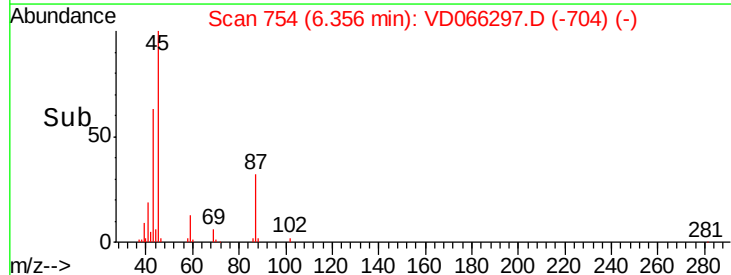
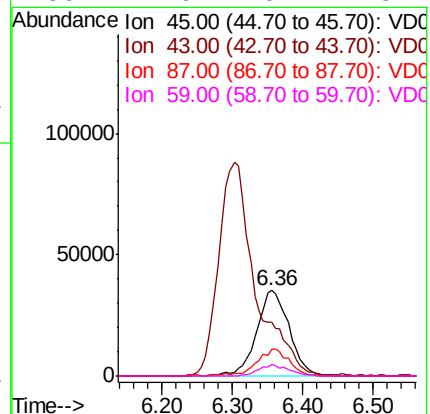
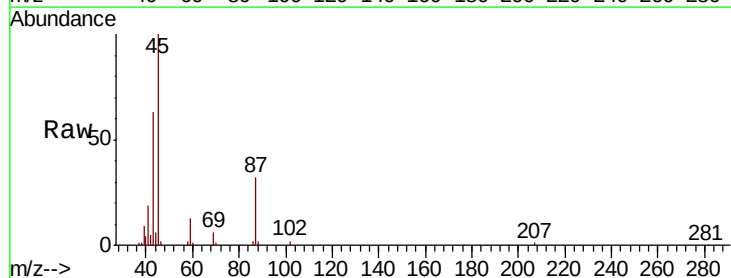
Ion Ratio Lower Upper

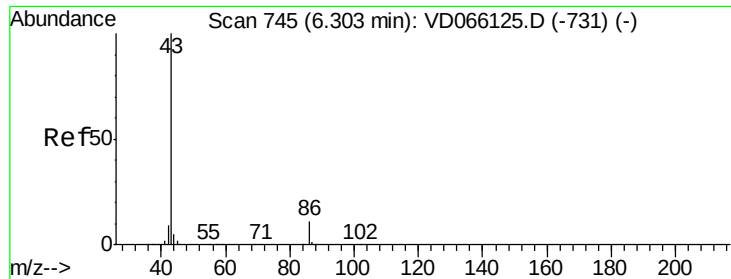
45 100

43 60.7 41.2 61.8

87 31.8 22.8 34.2

59 12.9 10.2 15.2





#23

Vinyl Acetate

Concen: 93.456 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

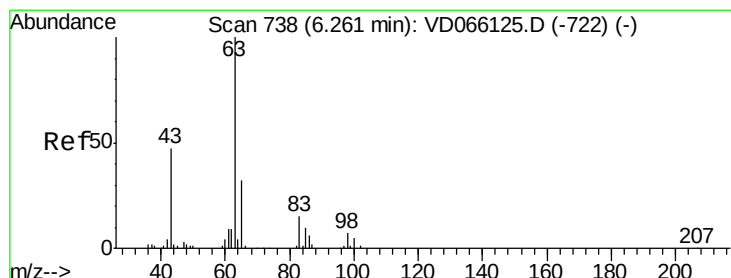
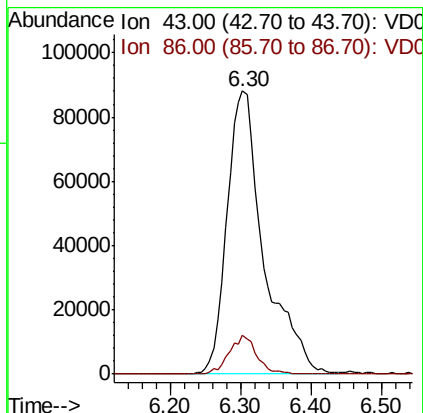
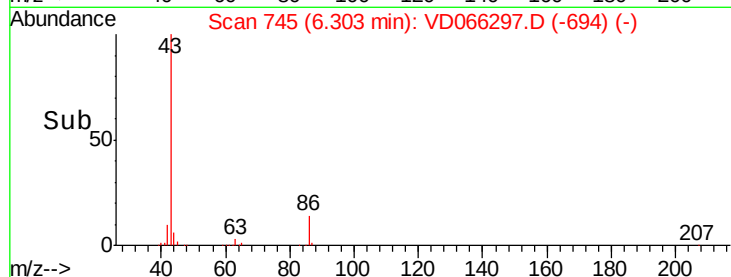
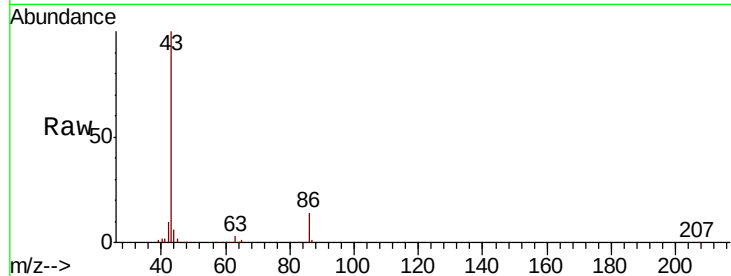
VD0818SBSD02

Tot Ion: 43 Resp: 320072

Ion Ratio Lower Upper

43 100

86 13.7 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

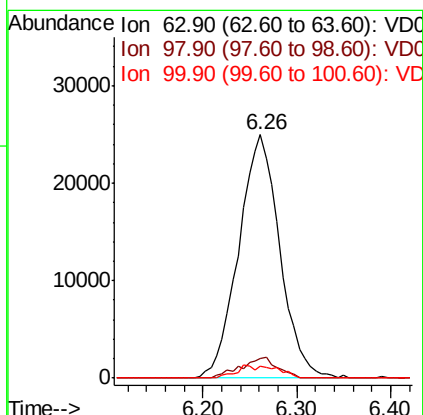
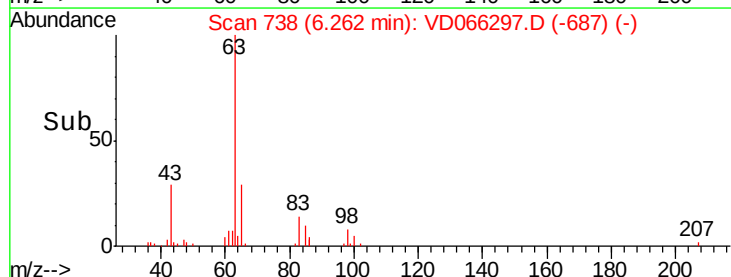
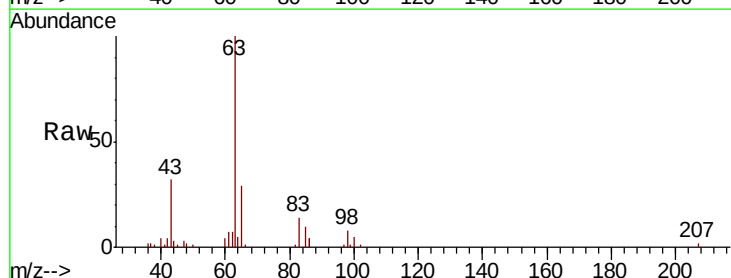
Tgt Ion: 63 Resp: 75388

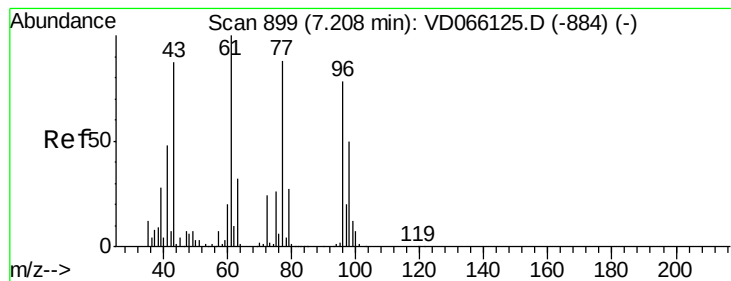
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 100.741 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

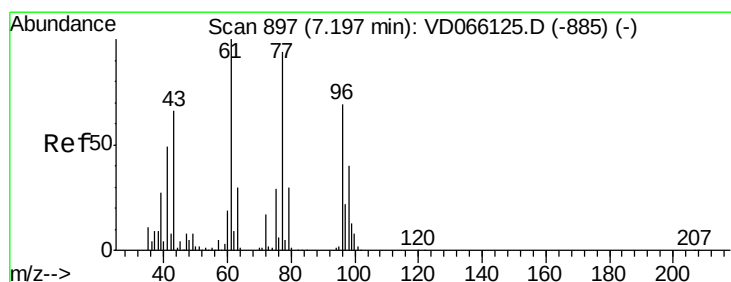
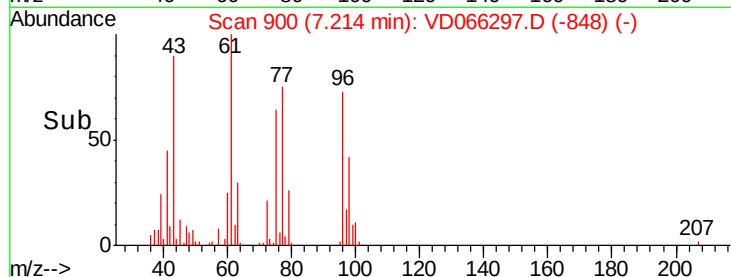
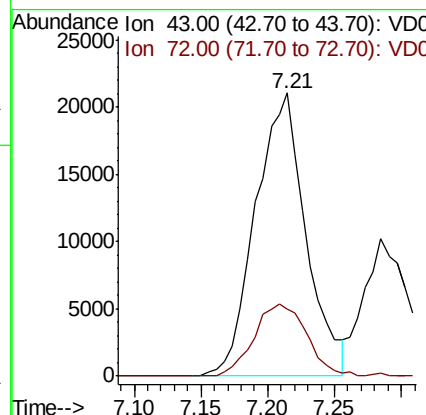
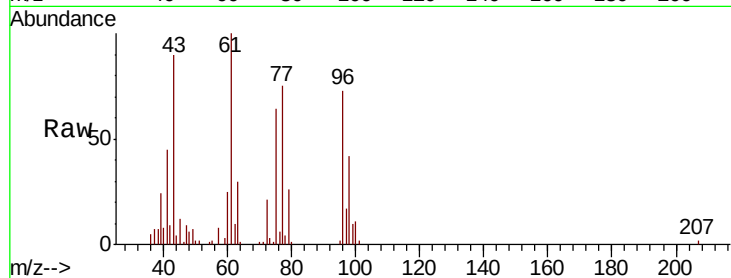
VD0818SBS02

Tot Ion: 43 Resp: 55266

Ion Ratio Lower Upper

43 100

72 23.5 22.2 33.2



#26

2,2-Dichloropropane

Concen: 18.996 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066297.D

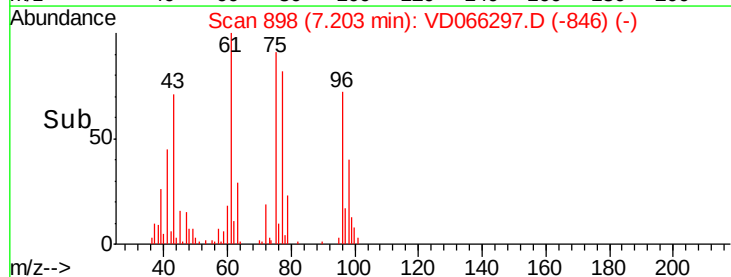
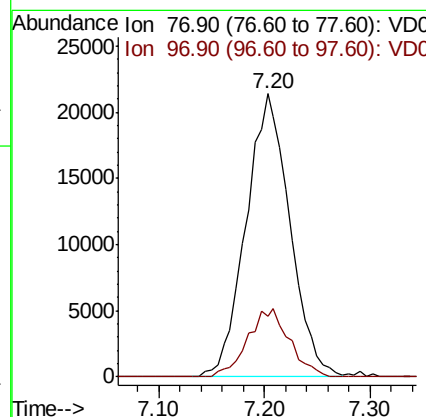
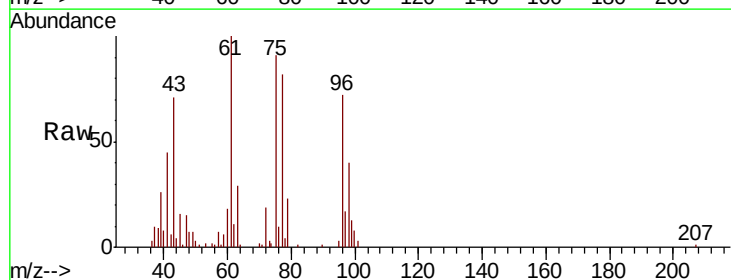
Acq: 19 Aug 2020 02:13

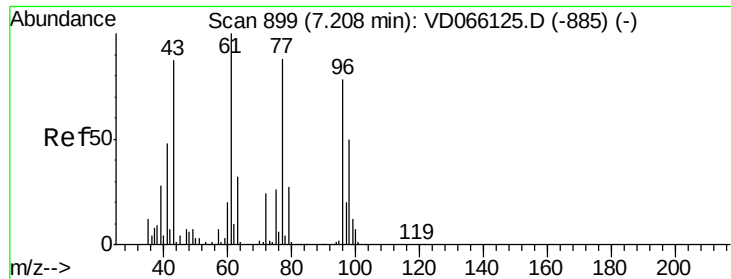
Tgt Ion: 77 Resp: 61595

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3



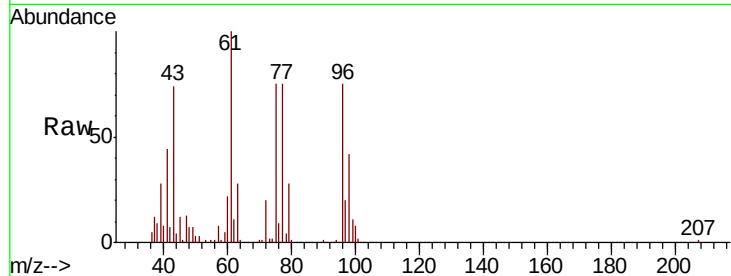


#27

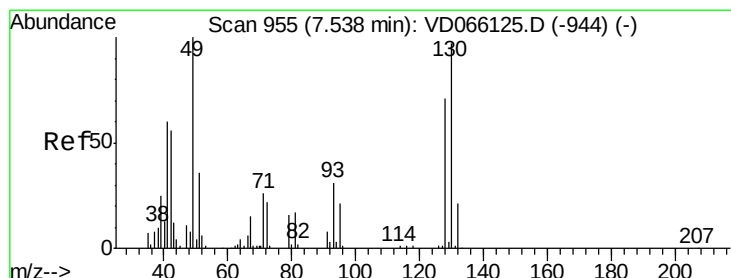
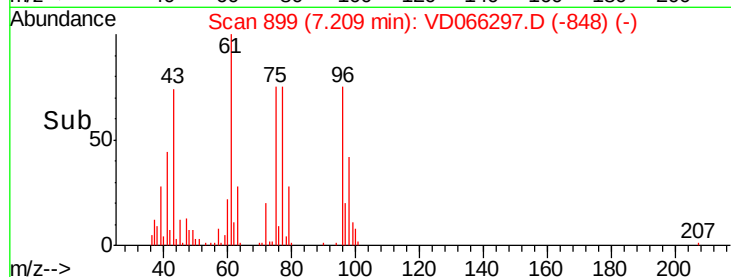
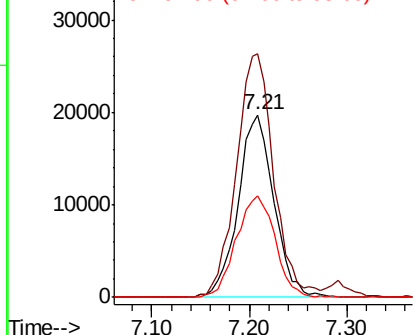
cis-1,2-Dichloroethene
 Concen: 21.551 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion: 96 Resp: 50672
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 281.6
 98 59.7 0.0 130.8



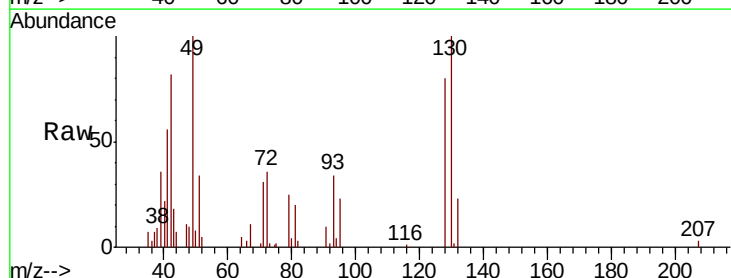
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



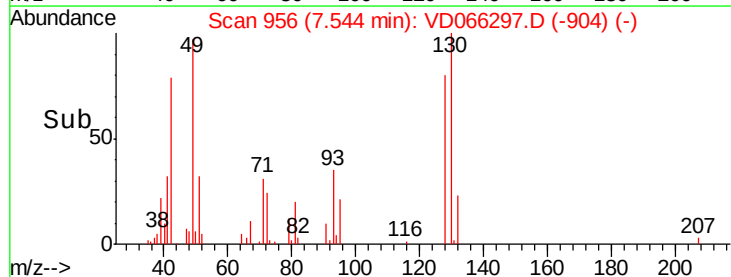
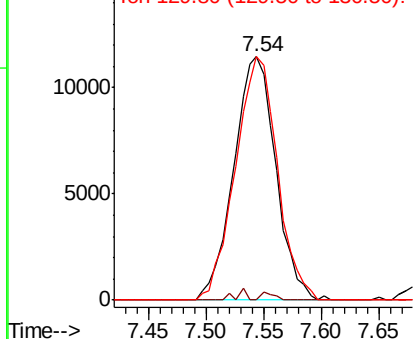
#28

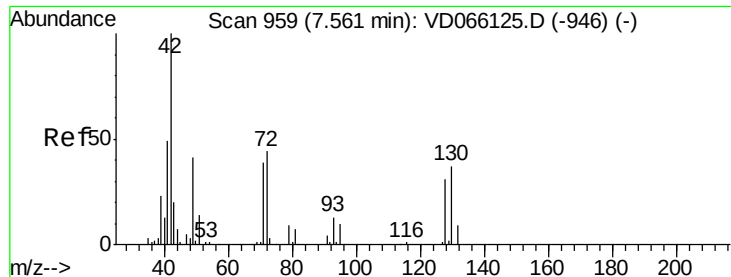
Bromochloromethane
 Concen: 22.807 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 49 Resp: 28981
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 6.0
 130 99.9 73.8 110.6



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

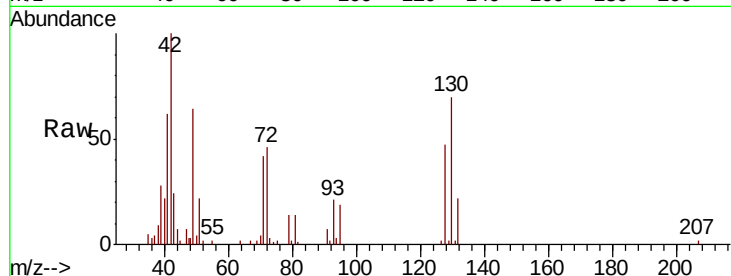




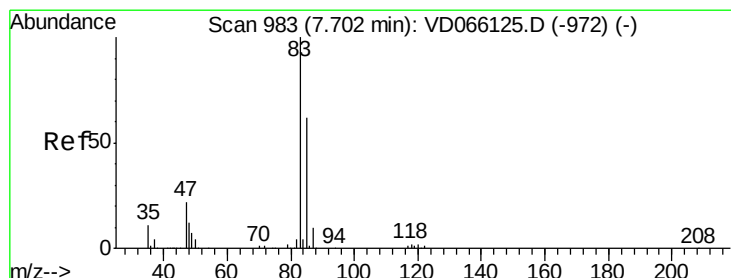
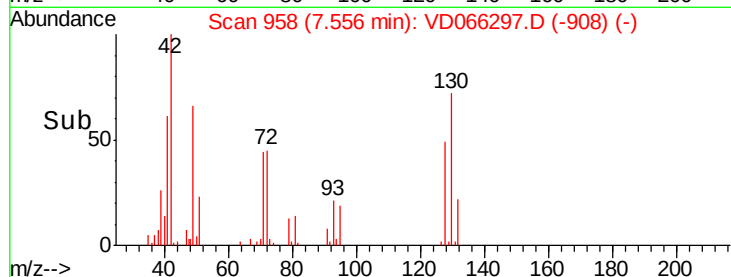
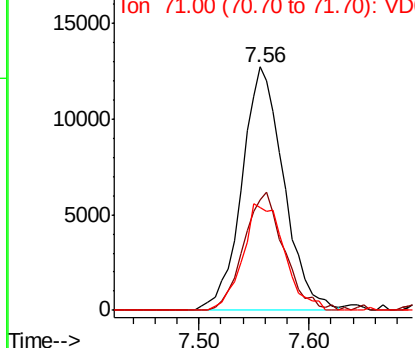
#29
Tetrahydrofuran
Concen: 99.682 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion: 42 Resp: 33881
Ion Ratio Lower Upper
42 100
72 46.8 34.8 52.2
71 43.6 33.5 50.3

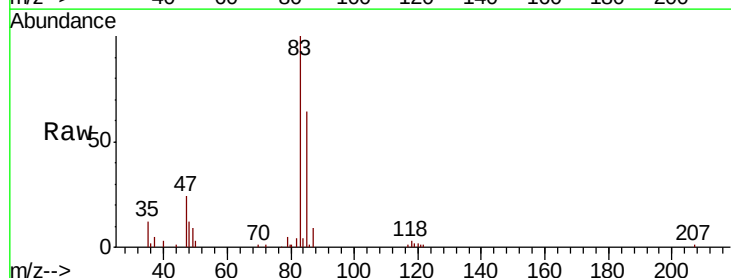


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

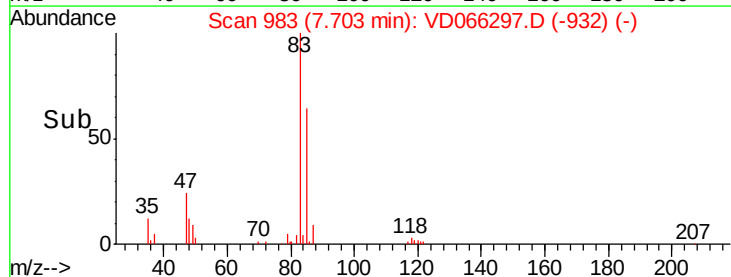
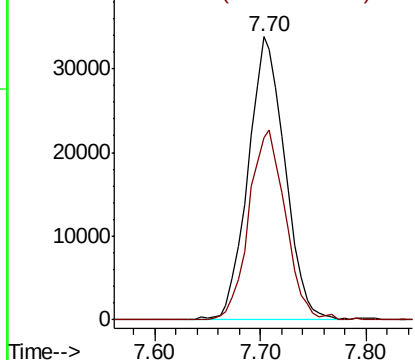


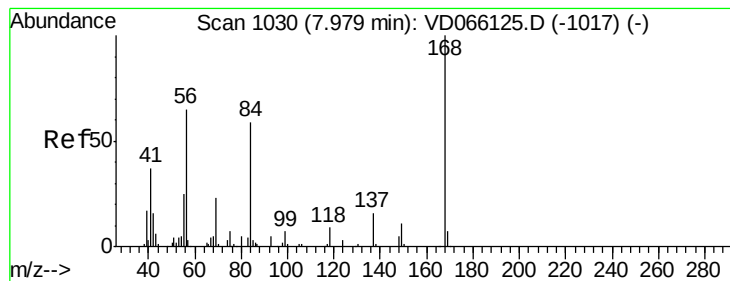
#30
Chloroform
Concen: 21.504 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 83 Resp: 81690
Ion Ratio Lower Upper
83 100
85 64.2 49.5 74.3



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





#31

Cyclohexane

Concen: 17.590 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

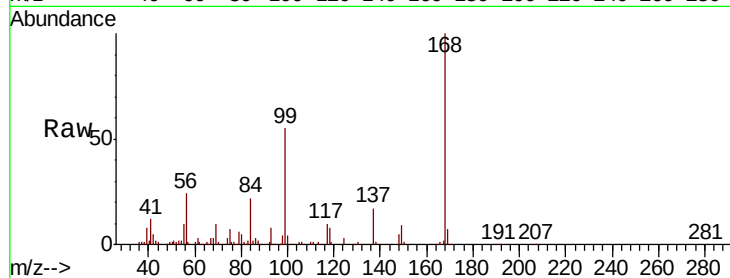
Tot Ion: 56 Resp: 60578

Ion Ratio Lower Upper

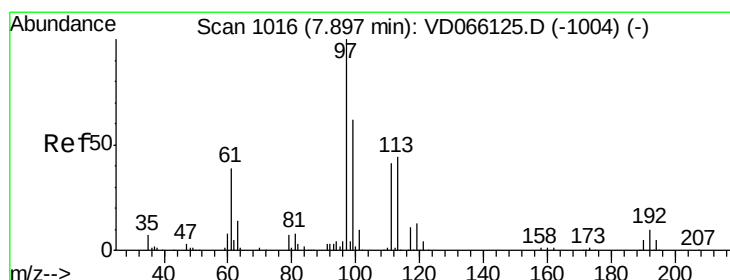
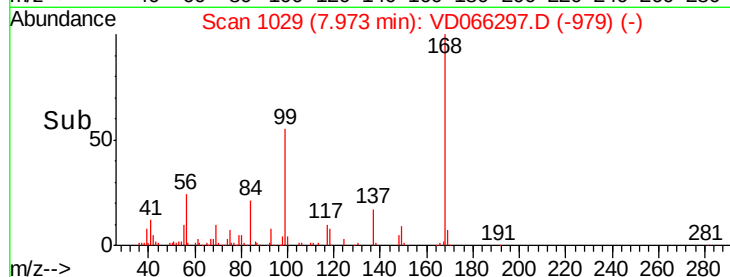
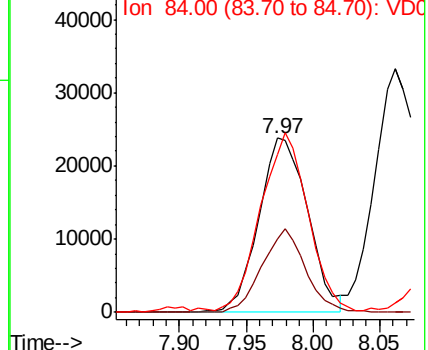
56 100

69 42.3 28.8 43.2

84 89.8 73.0 109.6



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



#32

1,1,1-Trichloroethane

Concen: 21.473 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

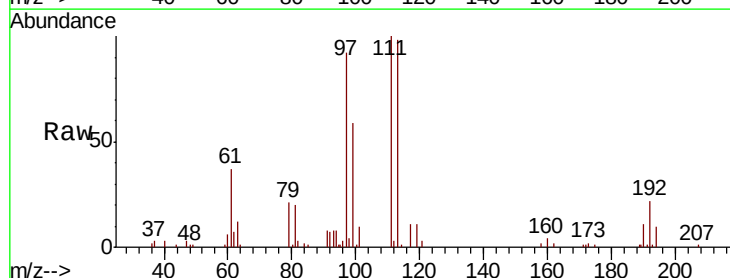
Tgt Ion: 97 Resp: 76483

Ion Ratio Lower Upper

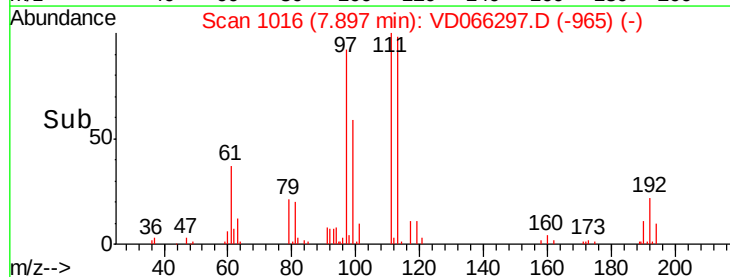
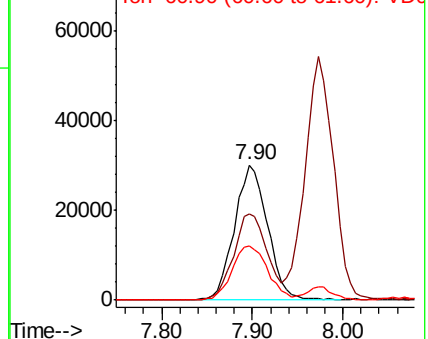
97 100

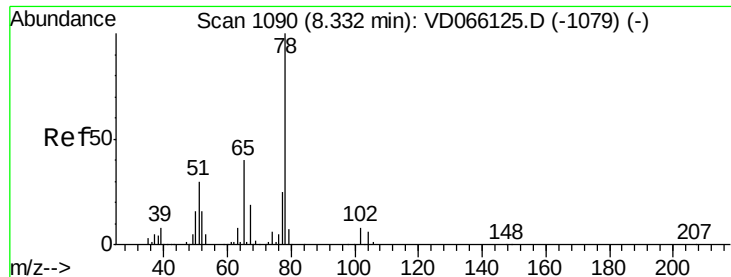
99 63.9 51.1 76.7

61 43.1 32.7 49.1



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

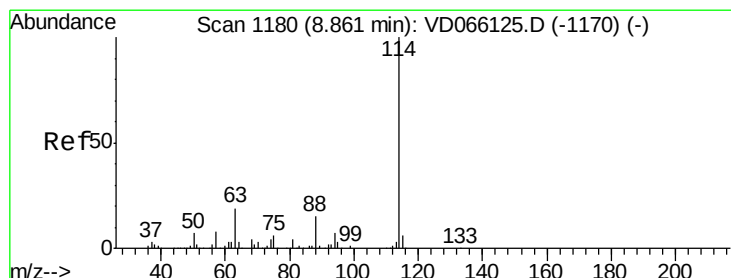
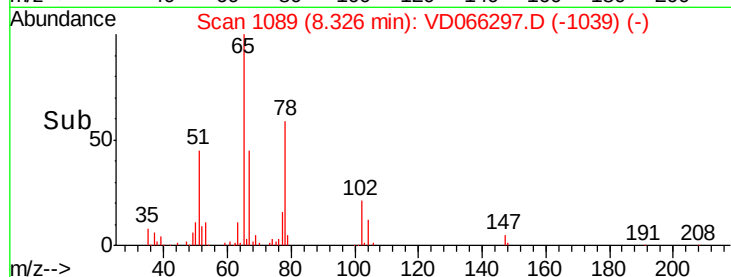
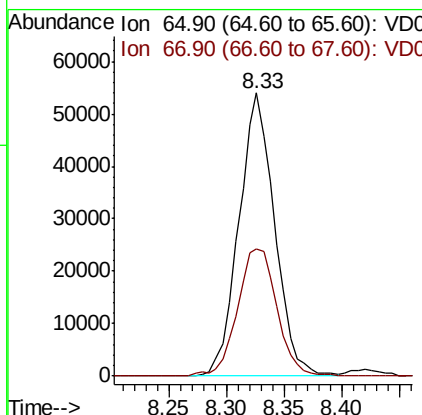
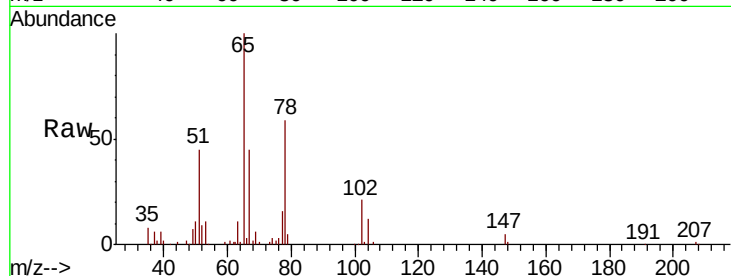




#33
 1,2-Dichloroethane-d4
 Concen: 58.979 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

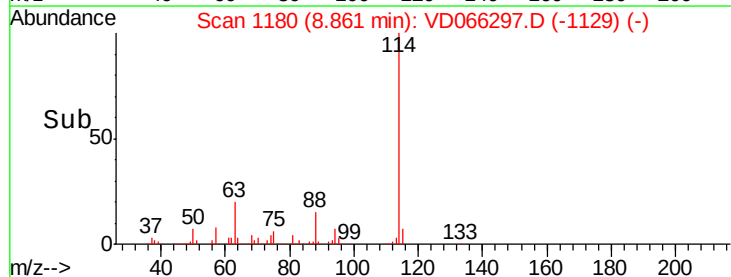
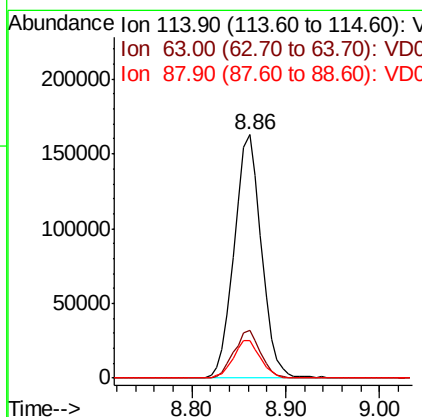
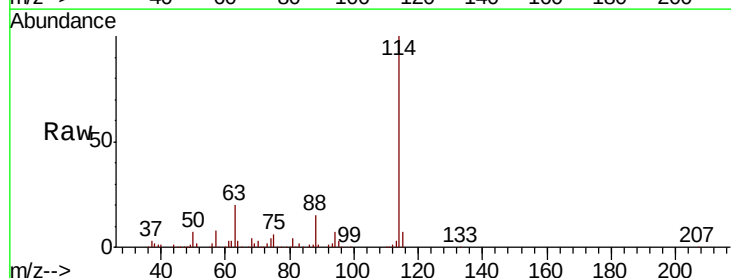
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

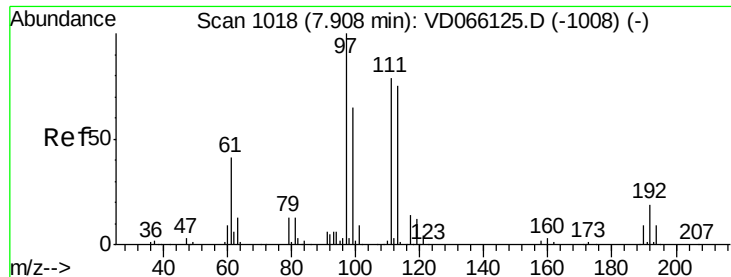
Tot Ion: 65 Resp: 115939
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 114 Resp: 327098
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.4 0.0 30.0

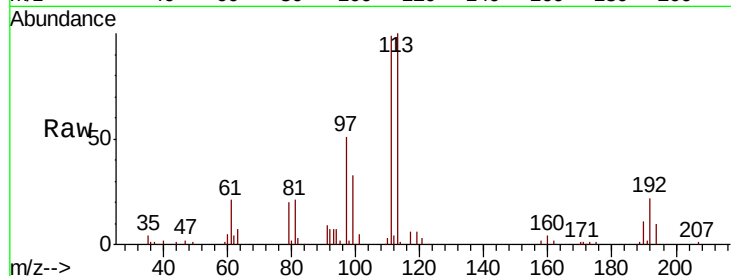




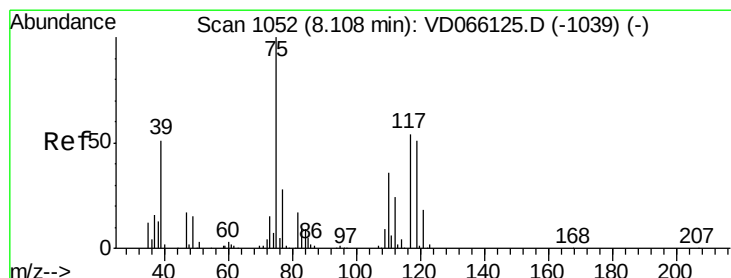
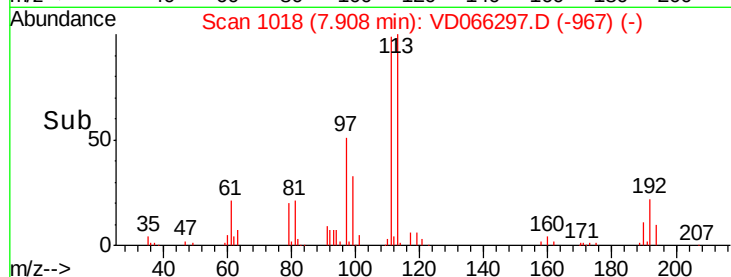
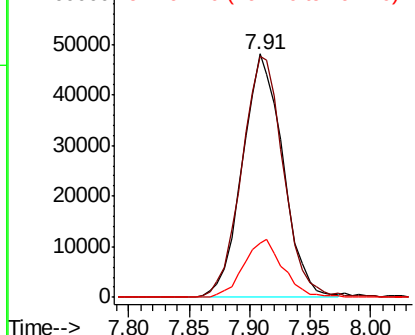
#35
 Dibromofluoromethane
 Concen: 54.485 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion:113 Resp: 112900
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 23.1 18.4 27.6

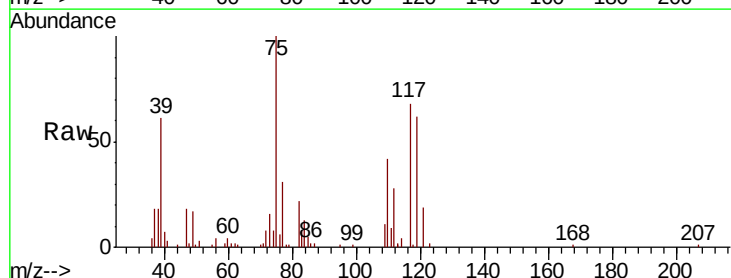


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

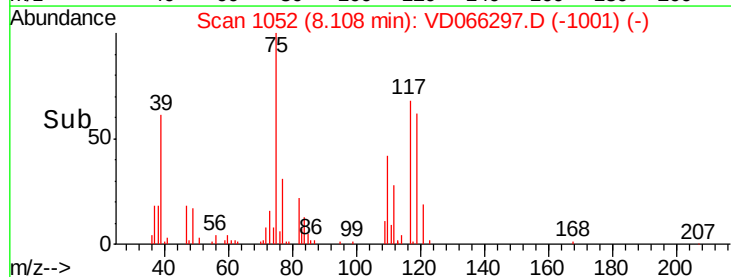
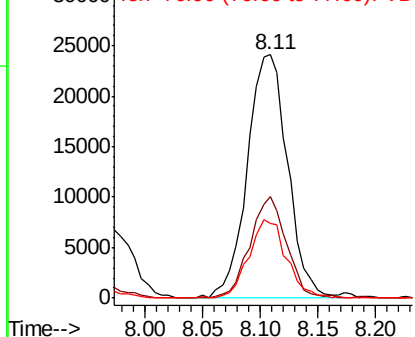


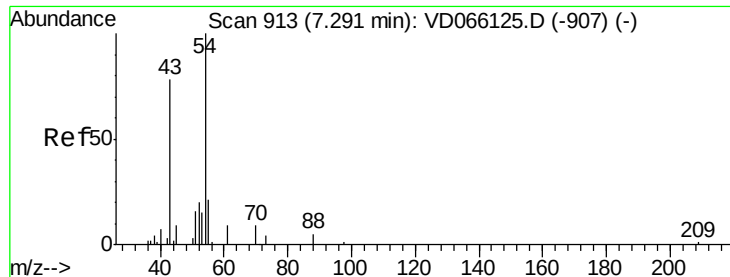
#36
 1,1-Dichloropropene
 Concen: 19.122 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 75 Resp: 58776
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.8 56.3
 77 30.1 24.2 36.2



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

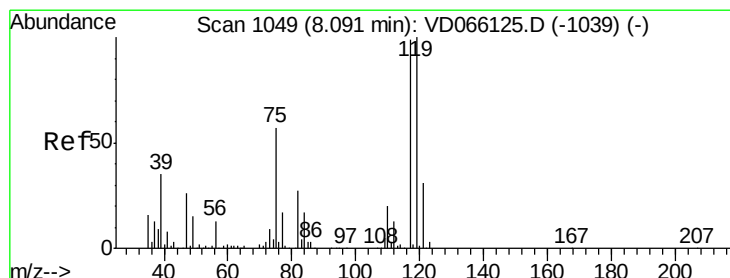
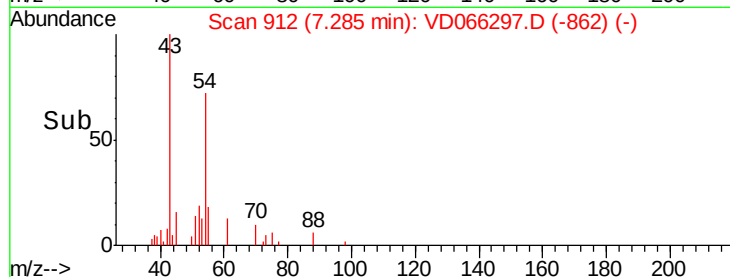
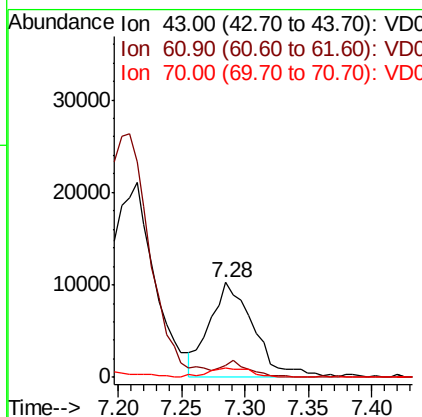
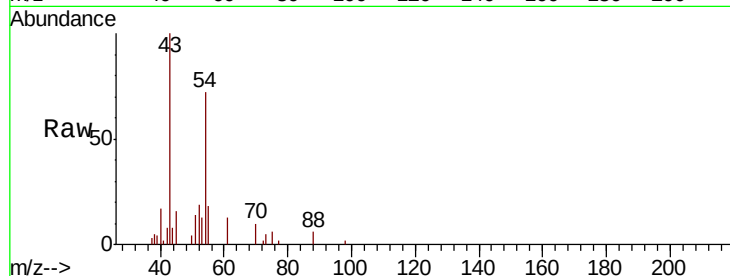




#37
Ethyl Acetate
Concen: 20.558 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

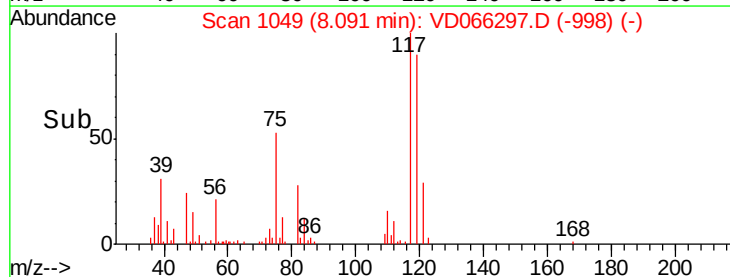
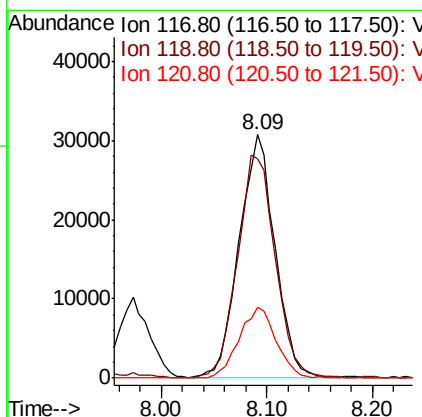
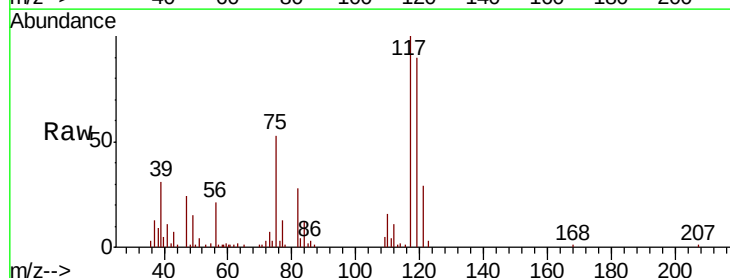
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

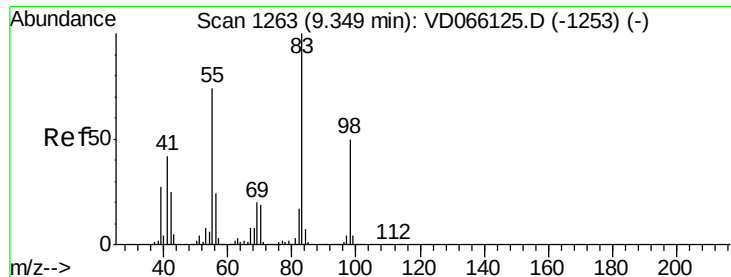
Tot Ion: 43 Resp: 25036
Ion Ratio Lower Upper
43 100
61 11.4 12.0 18.0#
70 9.9 9.7 14.5



#38
Carbon Tetrachloride
Concen: 21.193 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 117 Resp: 72643
Ion Ratio Lower Upper
117 100
119 90.1 81.0 121.4
121 29.2 24.8 37.2

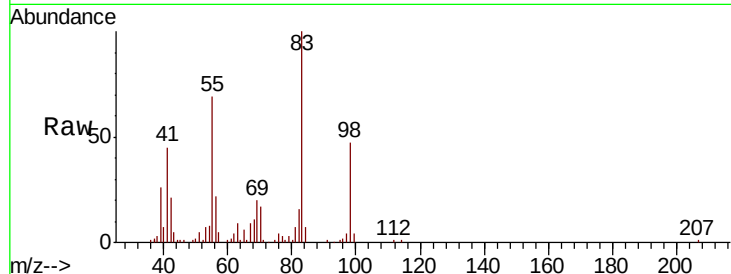




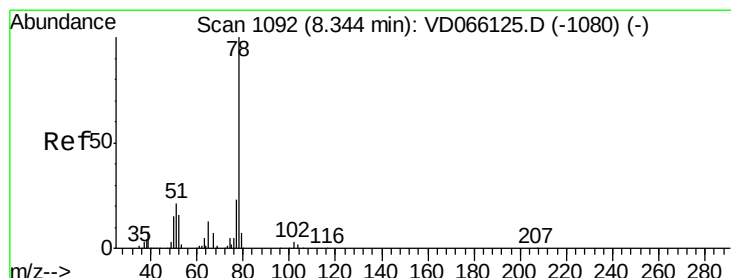
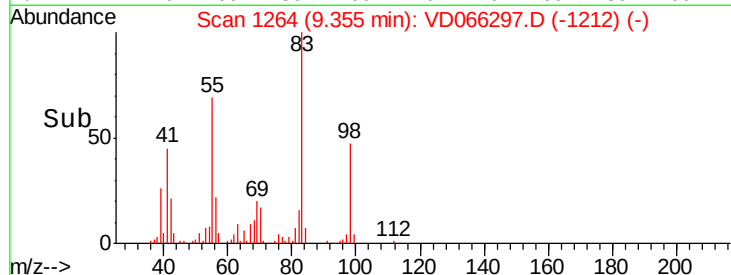
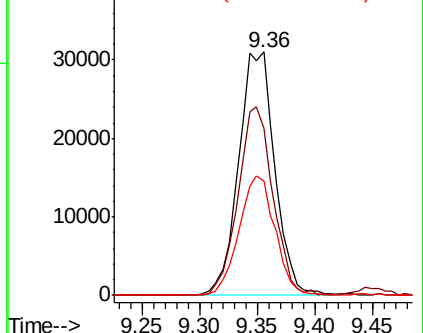
#39
Methylvlcyclohexane
Concen: 18.205 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion: 83 Resp: 67642
Ion Ratio Lower Upper
83 100
55 68.7 59.2 88.8
98 47.0 39.8 59.6

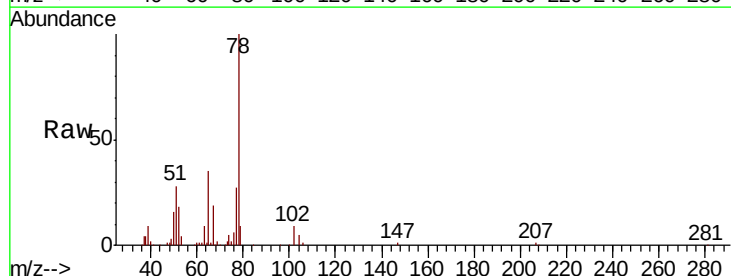


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

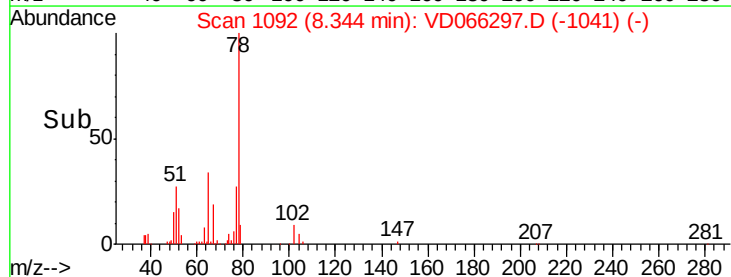
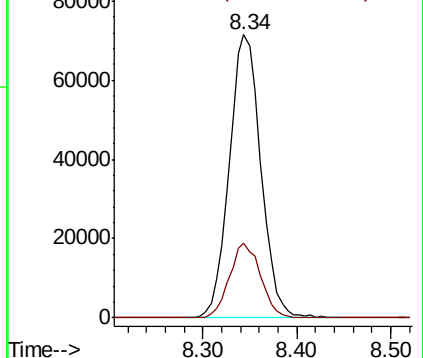


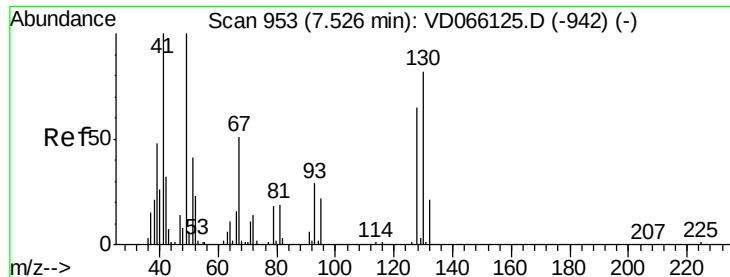
#40
Benzene
Concen: 19.572 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 78 Resp: 166889
Ion Ratio Lower Upper
78 100
77 26.6 18.6 27.8



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

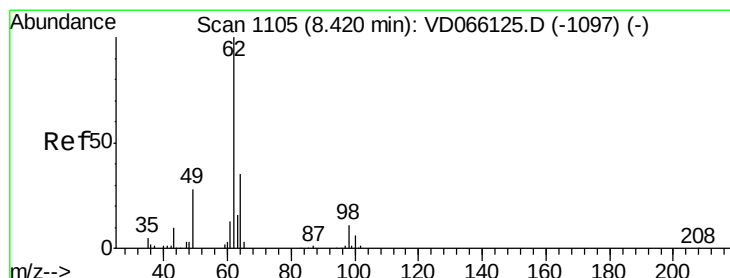
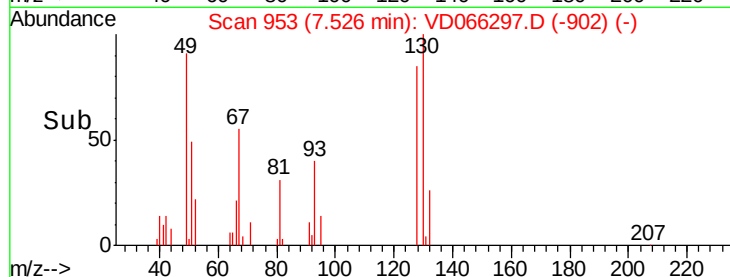
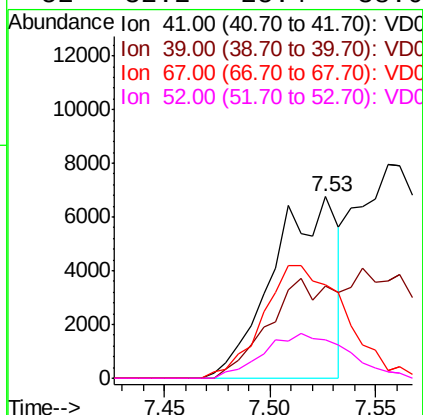
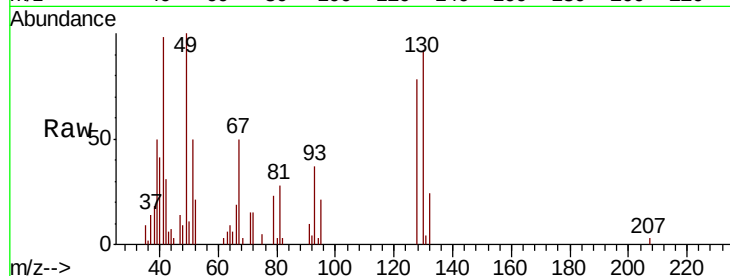




#41
Methacrylonitrile
Concen: 20.039 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

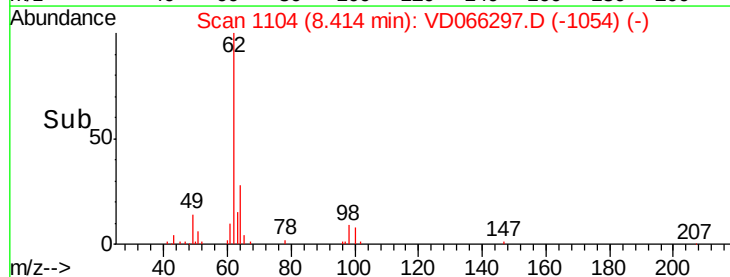
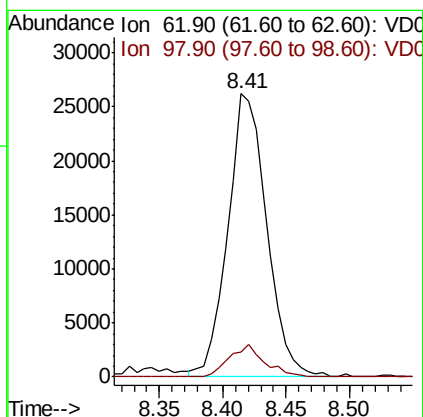
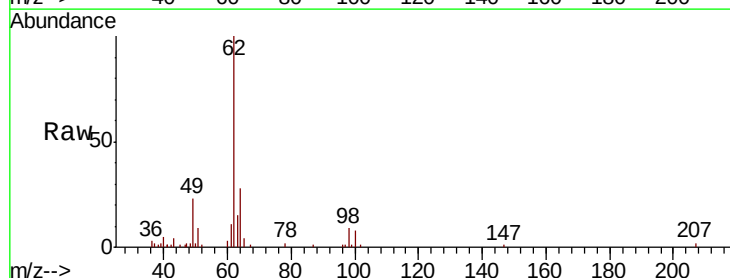
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

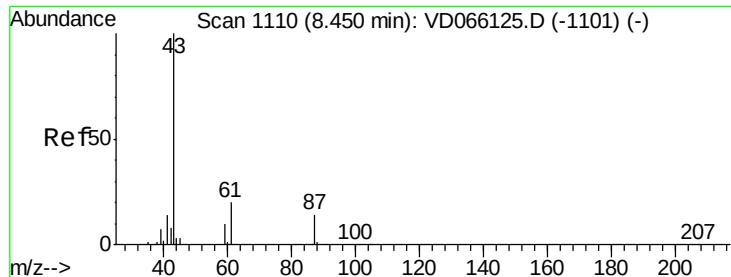
Tot Ion:	41	Resp:	14349
Ion	Ratio	Lower	Upper
41	100		
39	39.7	47.5	71.3#
67	78.9	59.1	88.7
52	32.2	25.4	38.0



#42
1,2-Dichloroethane
Concen: 22.220 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion:	62	Resp:	55659
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.422 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

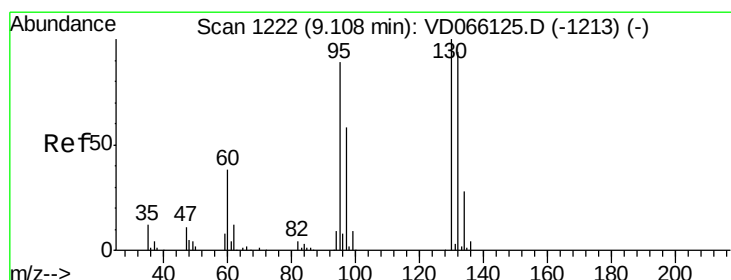
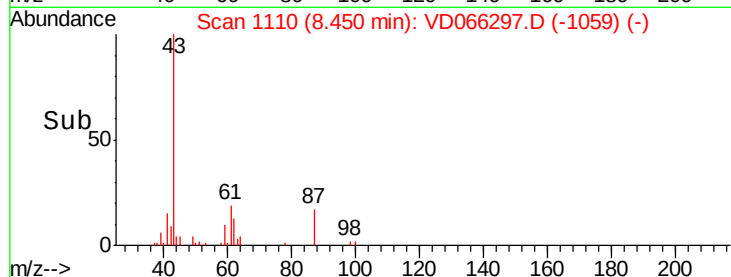
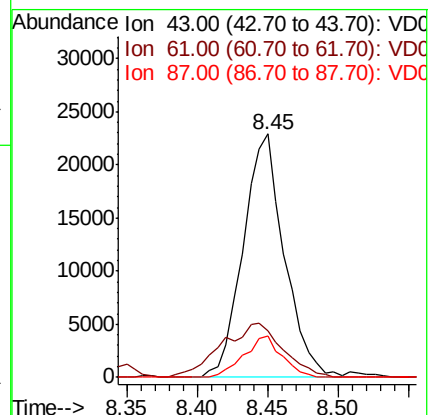
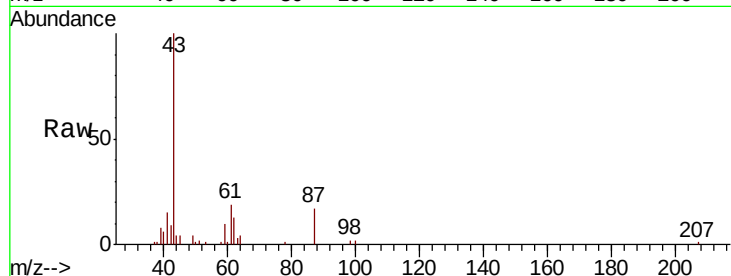
Tot Ion: 43 Resp: 46604

Ion Ratio Lower Upper

43 100

61 33.0 25.5 38.3

87 15.6 11.2 16.8



#44

Trichloroethene

Concen: 20.514 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066297.D

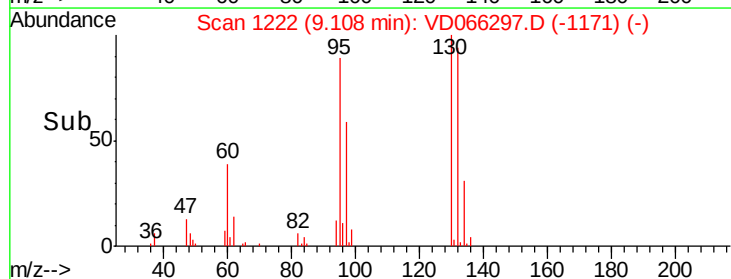
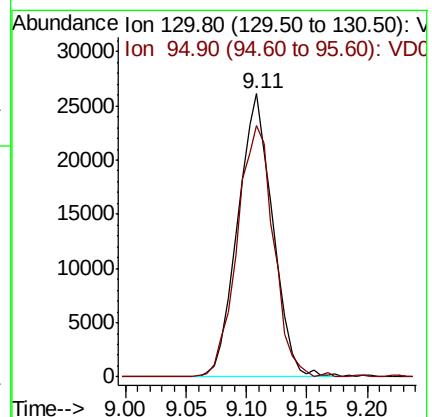
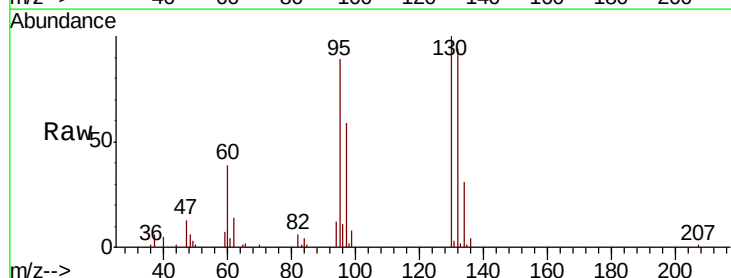
Acq: 19 Aug 2020 02:13

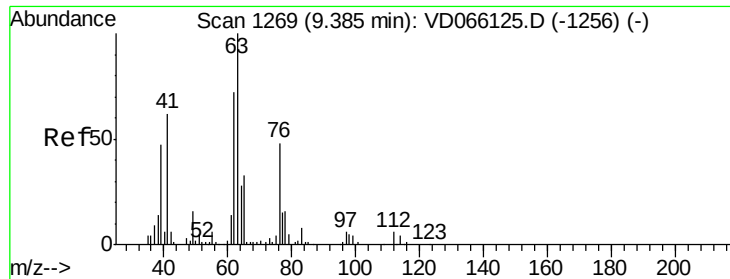
Tgt Ion: 130 Resp: 52710

Ion Ratio Lower Upper

130 100

95 88.9 0.0 178.4





#45

1,2-Dichloropropane

Concen: 19.599 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

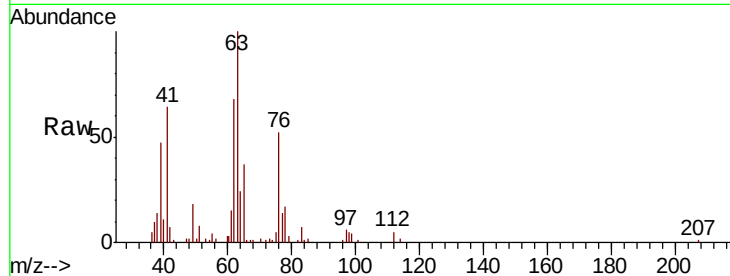
VD0818SBSD02

Tot Ion: 63 Resp: 40873

Ion Ratio Lower Upper

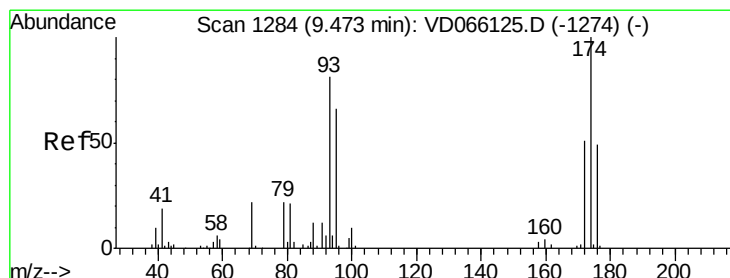
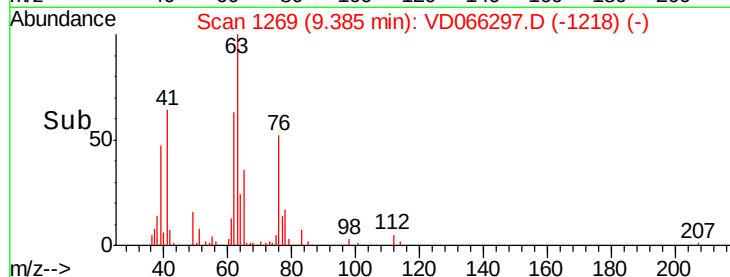
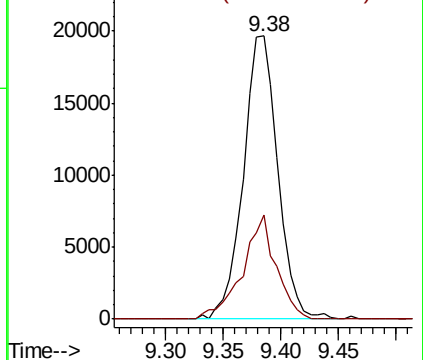
63 100

65 36.6 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.162 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

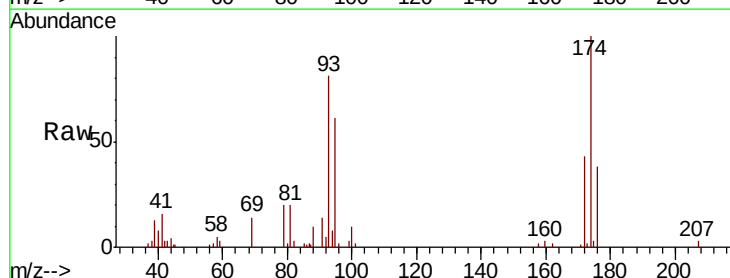
Tgt Ion: 93 Resp: 24309

Ion Ratio Lower Upper

93 100

95 79.8 65.8 98.6

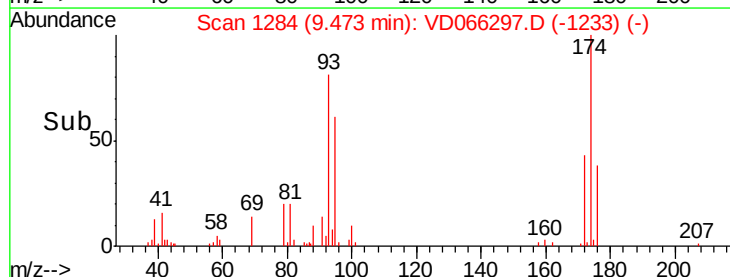
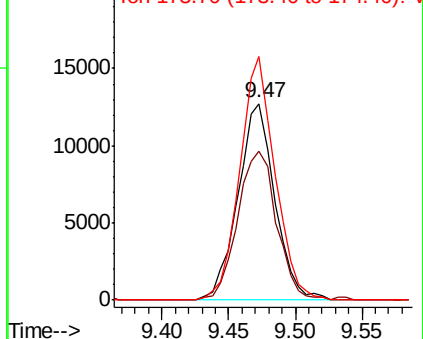
174 118.3 92.8 139.2

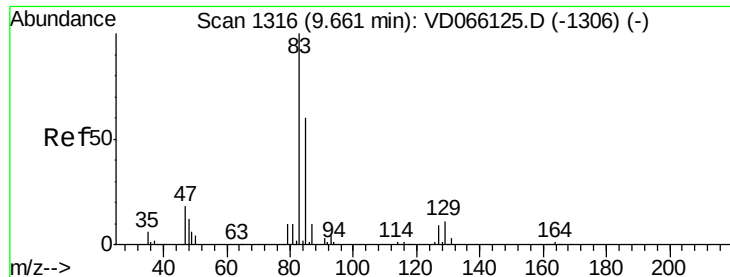


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

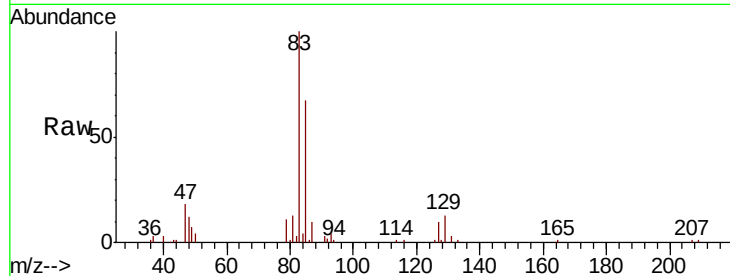




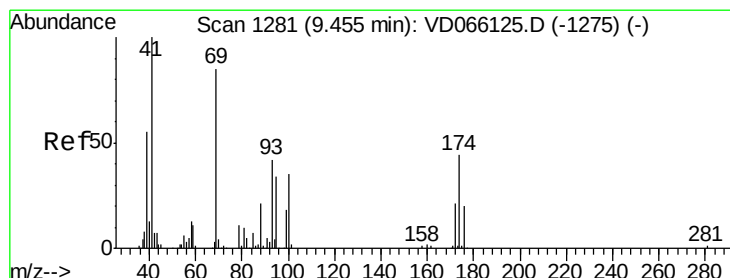
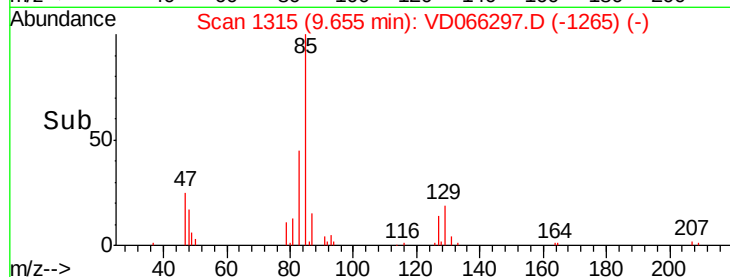
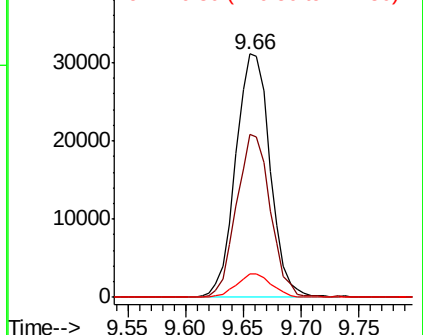
#47
Bromodichloromethane
Concen: 21.178 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion: 83 Resp: 64296
Ion Ratio Lower Upper
83 100
85 66.7 48.2 72.4
127 9.6 7.3 10.9

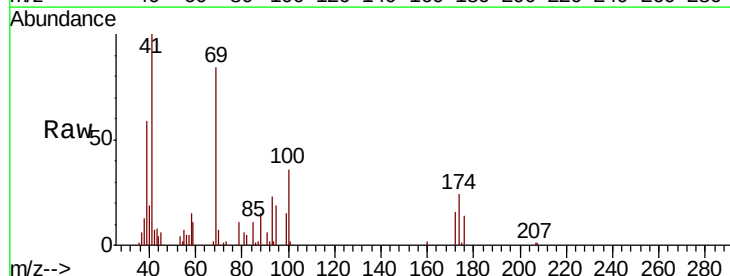


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

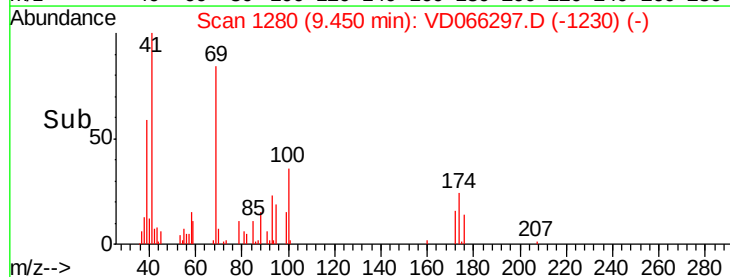
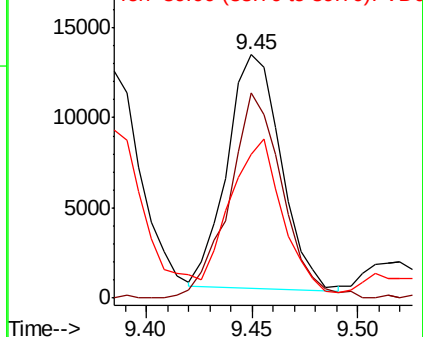


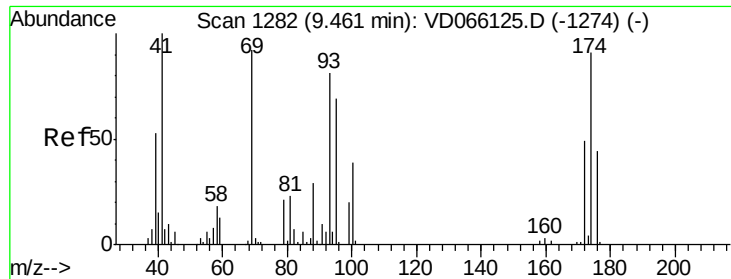
#48
Methyl methacrylate
Concen: 18.718 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 41 Resp: 22934
Ion Ratio Lower Upper
41 100
69 86.8 63.9 95.9
39 68.2 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 386.232 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

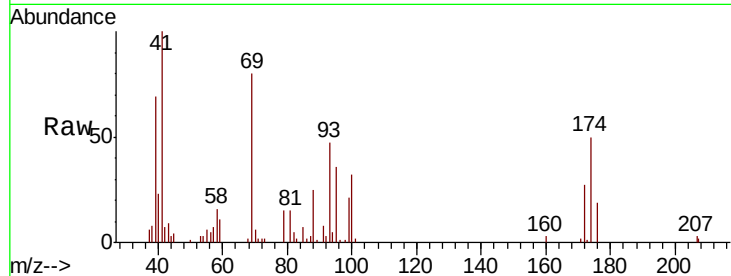
Tot Ion: 88 Resp: 5700

Ion Ratio Lower Upper

88 100

43 40.3 27.5 41.3

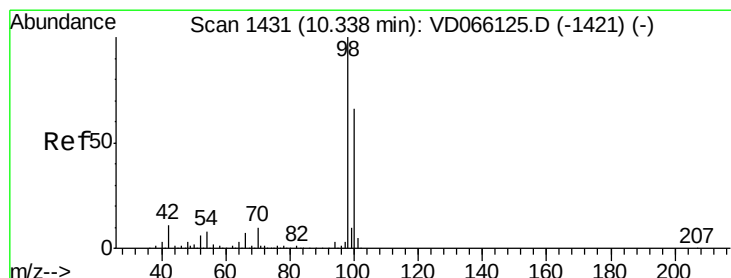
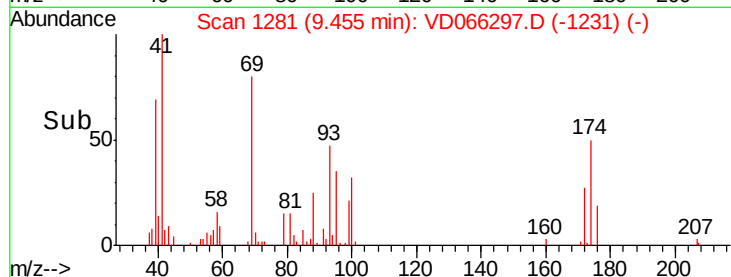
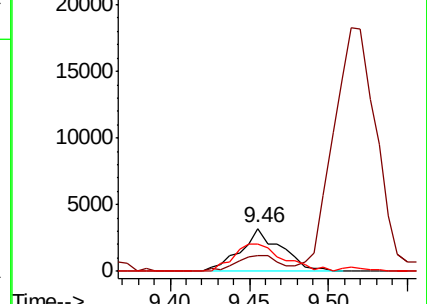
58 77.6 50.2 75.4#



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: 53.782 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066297.D

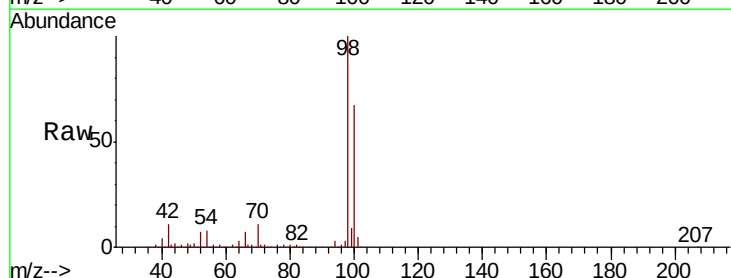
Acq: 19 Aug 2020 02:13

Tgt Ion: 98 Resp: 411254

Ion Ratio Lower Upper

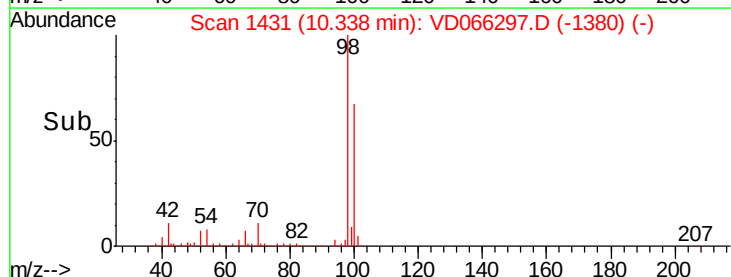
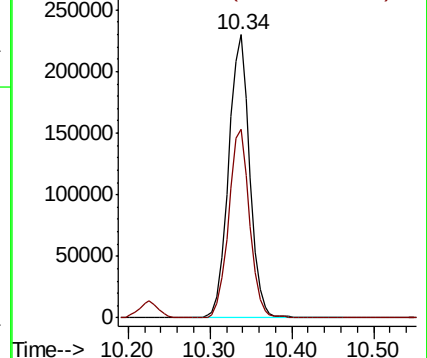
98 100

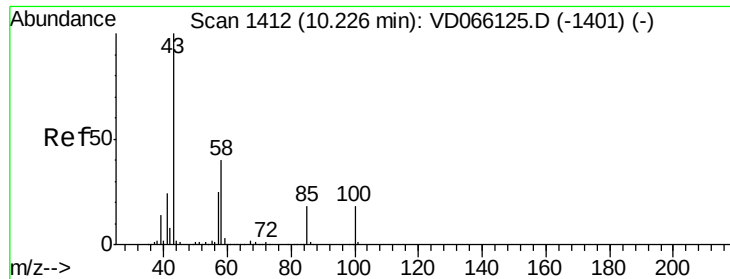
100 66.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

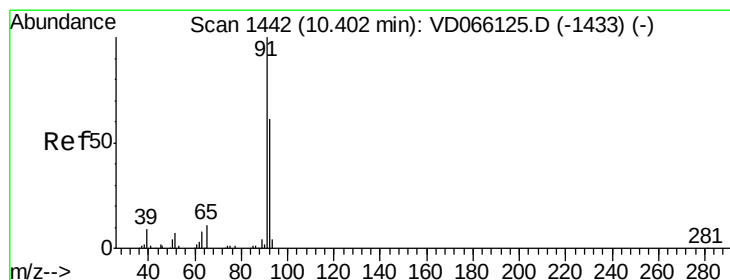
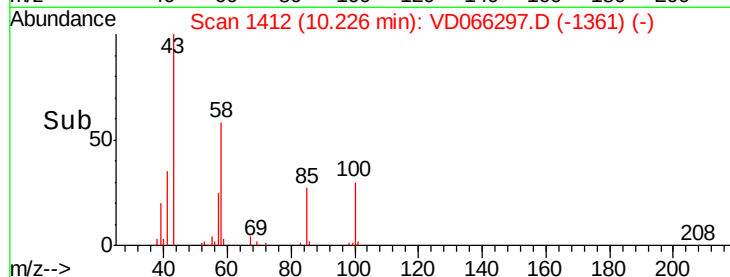
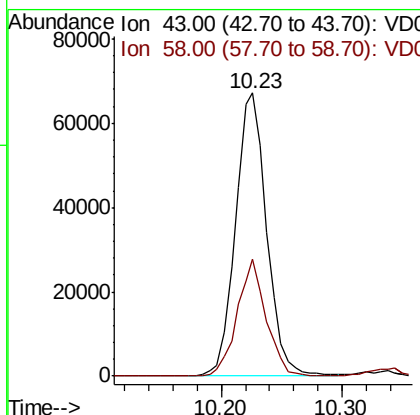
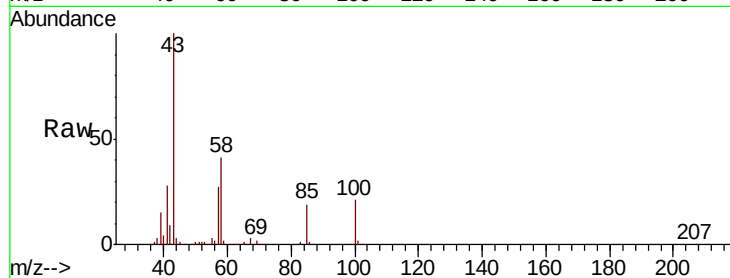




#51
 4-Methyl-2-Pentanone
 Concen: 97.797 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

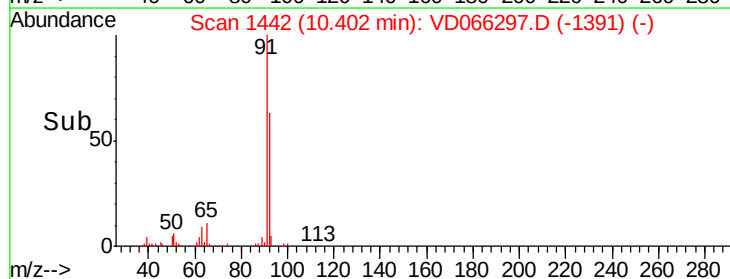
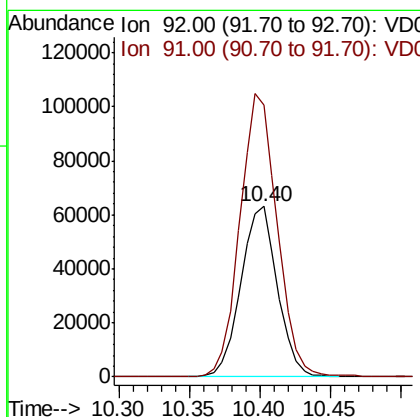
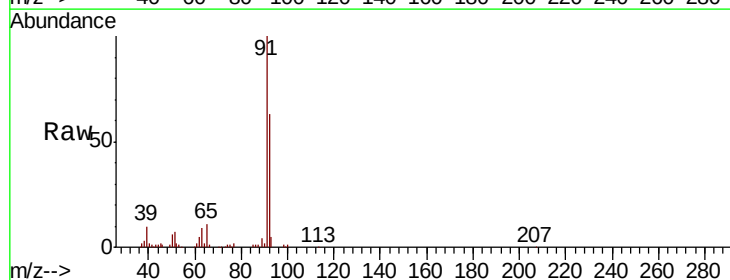
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

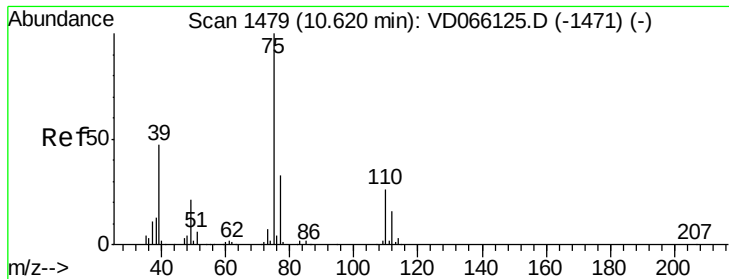
Tot Ion: 43 Resp: 120539
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.1 46.7



#52
 Toluene
 Concen: 20.355 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 92 Resp: 114209
 Ion Ratio Lower Upper
 92 100
 91 169.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 20.234 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

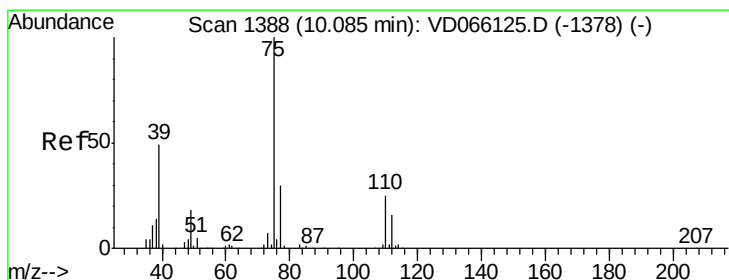
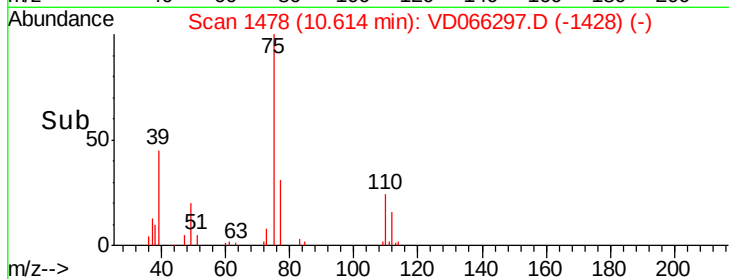
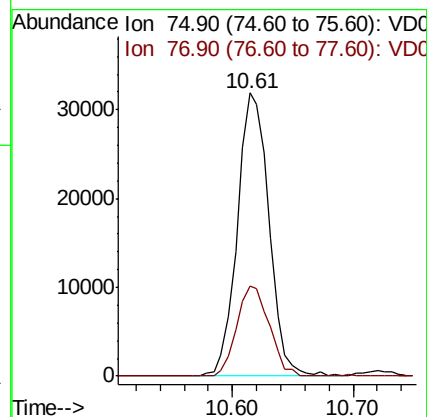
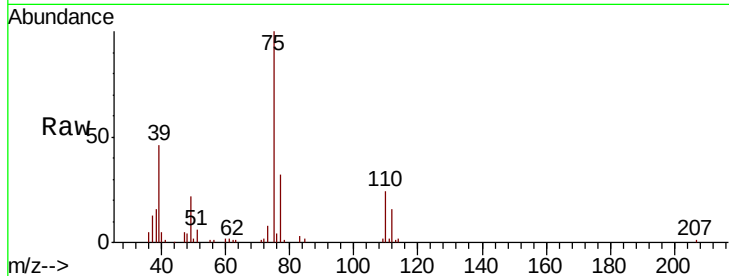
VD0818SBSD02

Tot Ion: 75 Resp: 58298

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 19.869 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

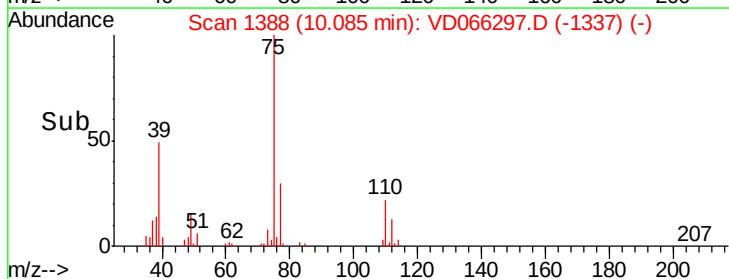
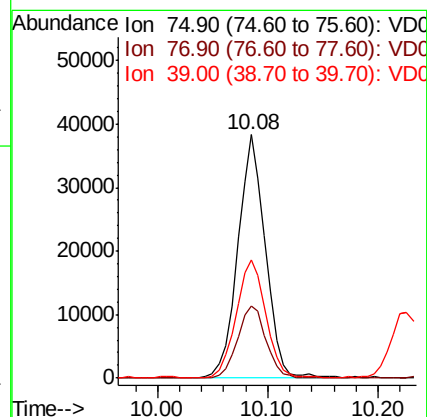
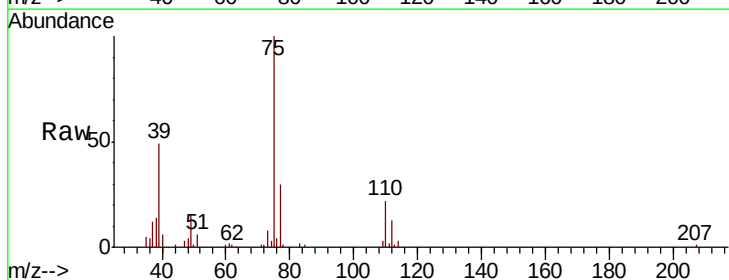
Tgt Ion: 75 Resp: 67073

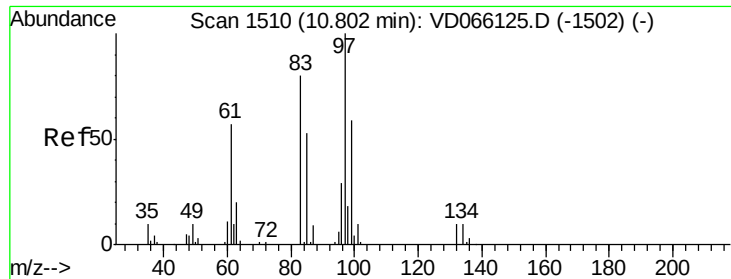
Ion Ratio Lower Upper

75 100

77 29.7 24.3 36.5

39 48.7 39.3 58.9

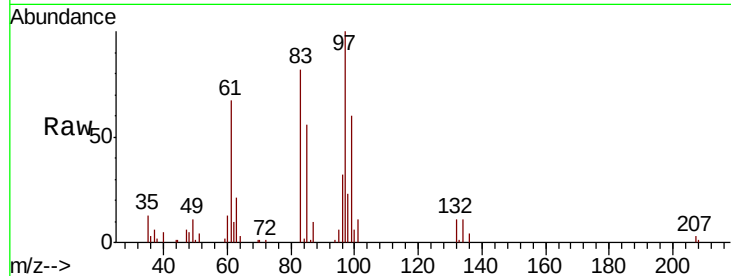




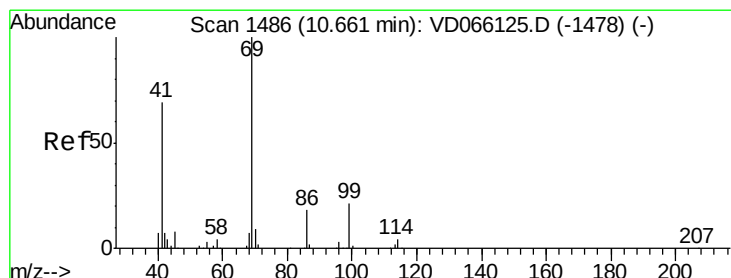
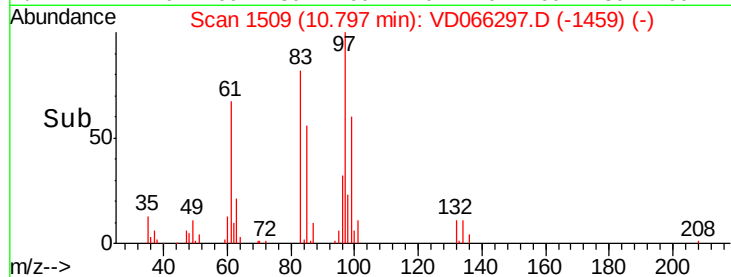
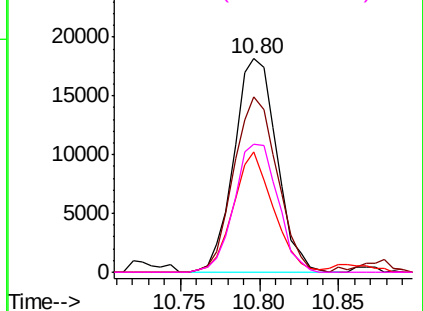
#55
 1,1,2-Trichloroethane
 Concen: 20.544 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion:	97	Resp:	33982
Ion	Ratio	Lower	Upper
97	100		
83	82.4	63.9	95.9
85	56.3	42.5	63.7
99	59.7	47.4	71.0

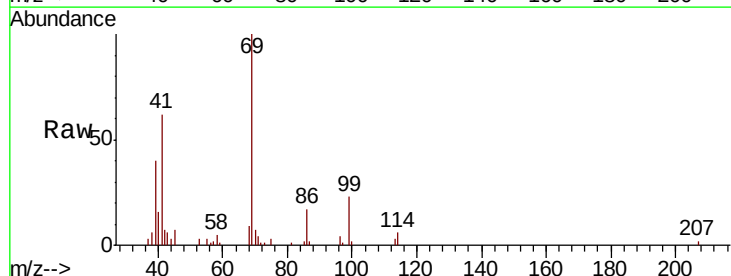


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

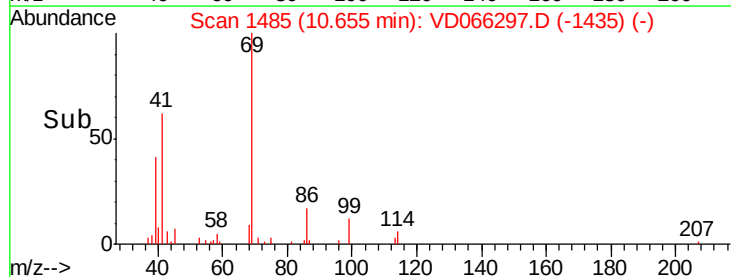
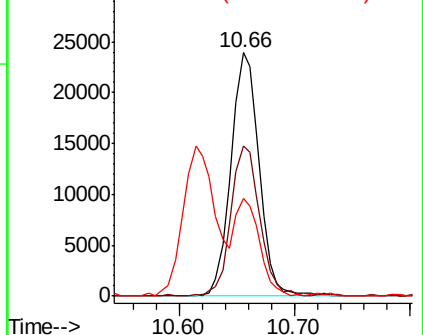


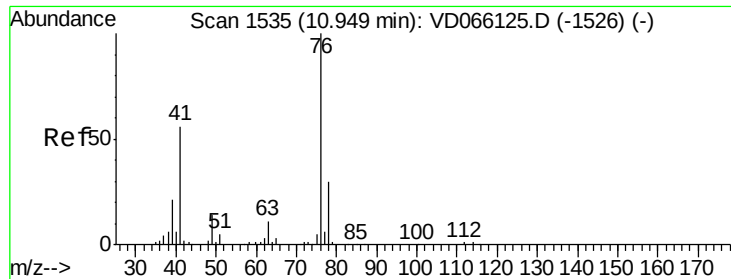
#56
 Ethyl methacrylate
 Concen: 20.333 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion:	69	Resp:	40402
Ion	Ratio	Lower	Upper
69	100		
41	63.2	54.1	81.1
39	34.5	28.6	43.0



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

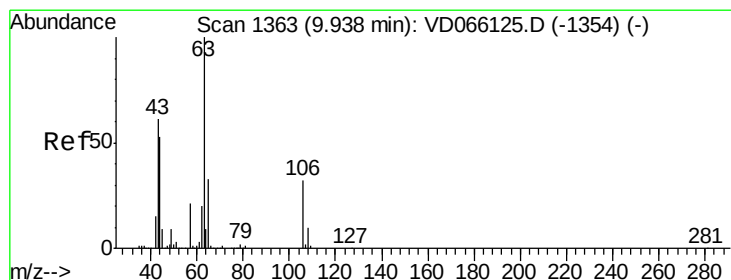
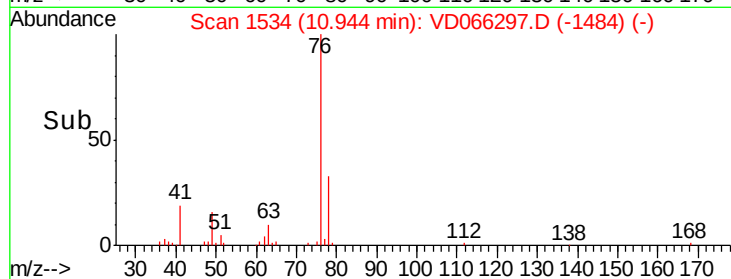
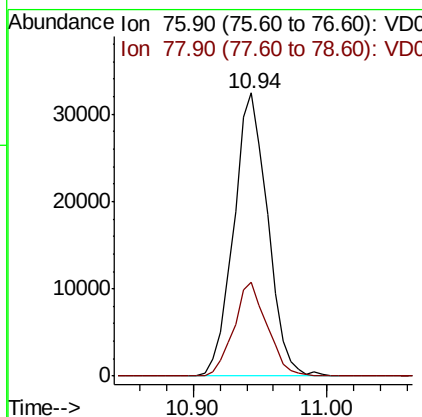
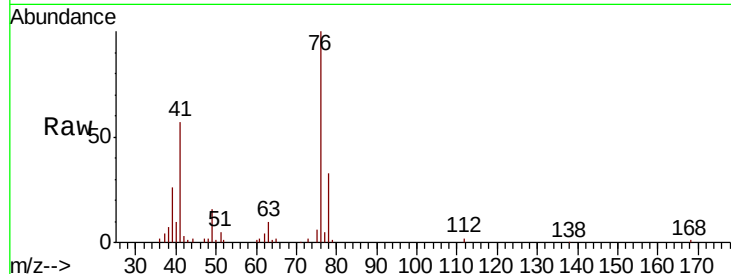




#57
 1,3-Dichloropropane
 Concen: 20.856 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

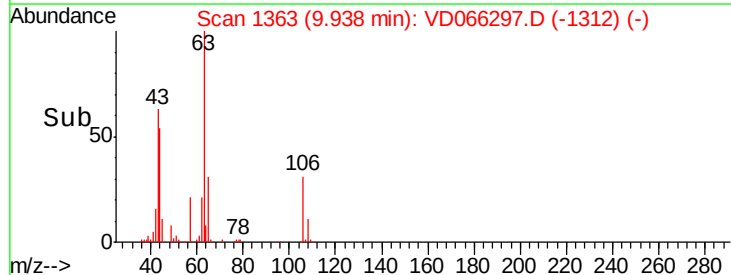
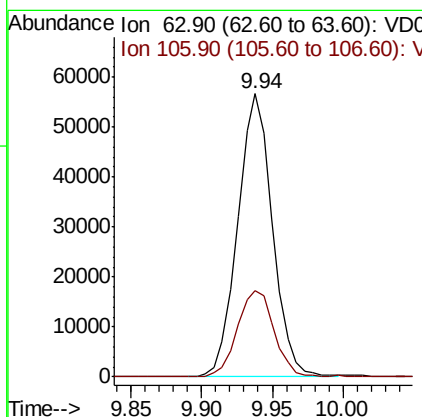
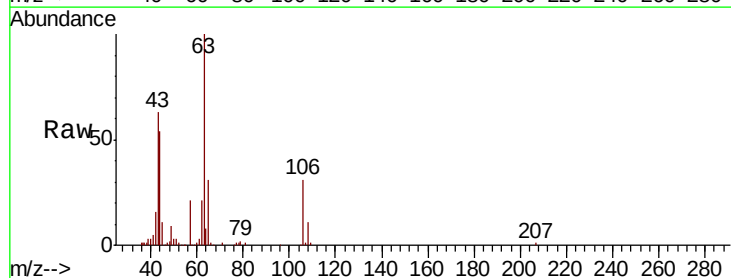
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

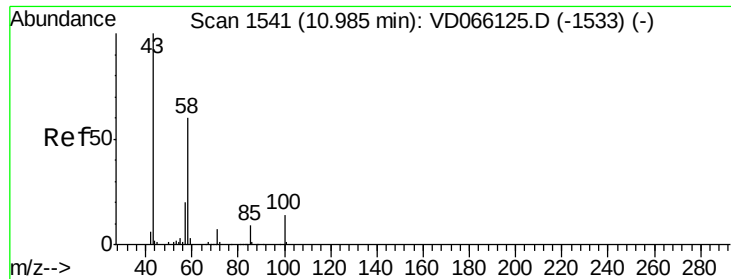
Tot Ion: 76 Resp: 57270
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.821 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 63 Resp: 97263
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.3 37.9

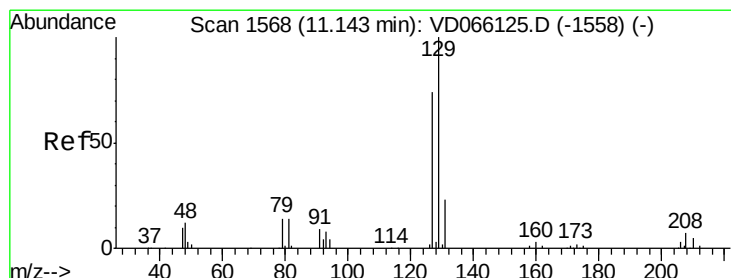
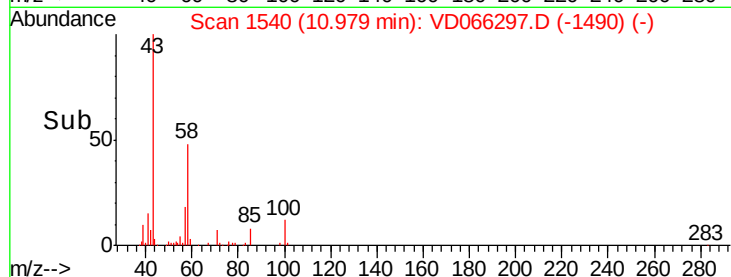
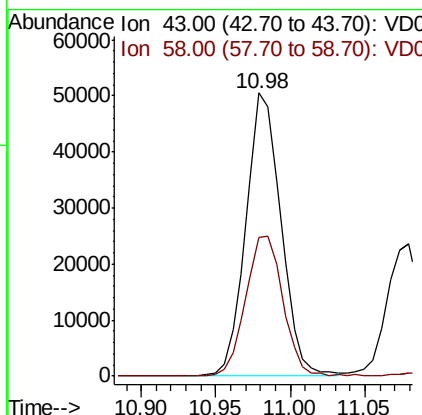
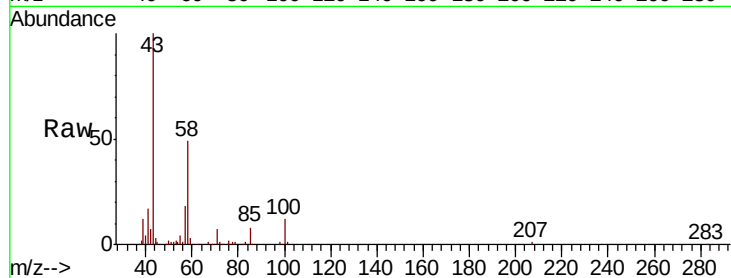




#59
2-Hexanone
Concen: 95.041 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

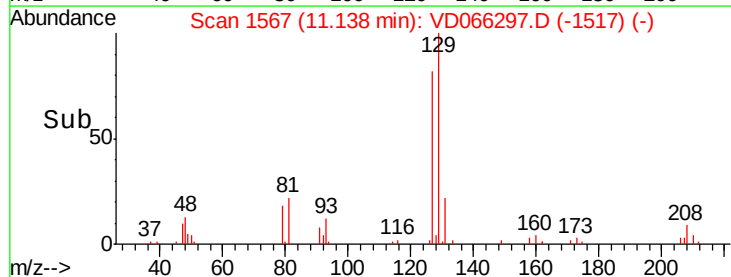
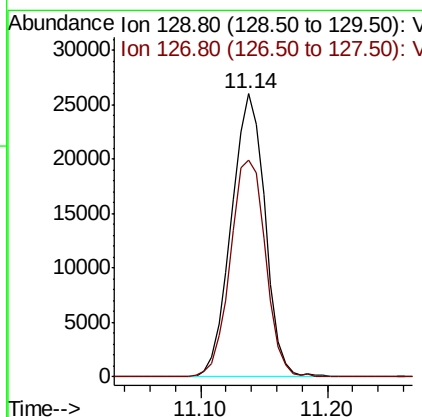
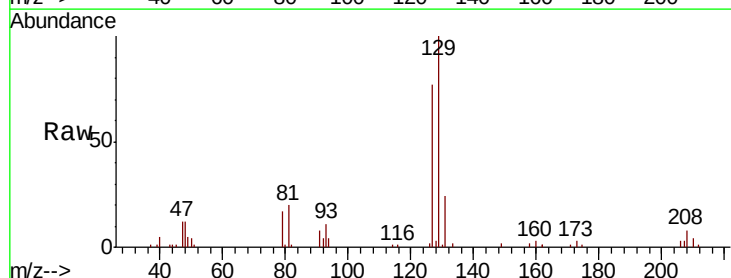
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

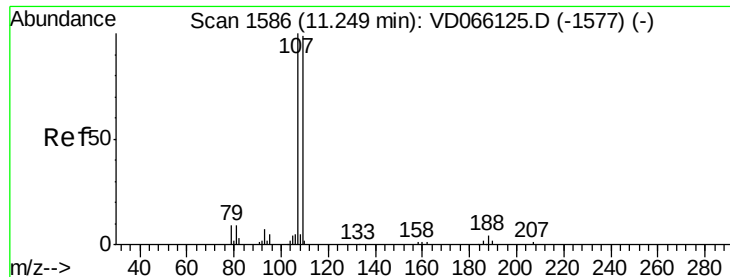
Tot Ion: 43 Resp: 82212
Ion Ratio Lower Upper
43 100
58 52.4 27.8 83.4



#60
Dibromochloromethane
Concen: 20.949 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 129 Resp: 47839
Ion Ratio Lower Upper
129 100
127 79.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.560 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

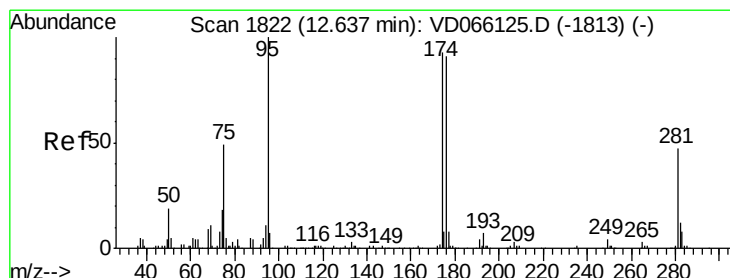
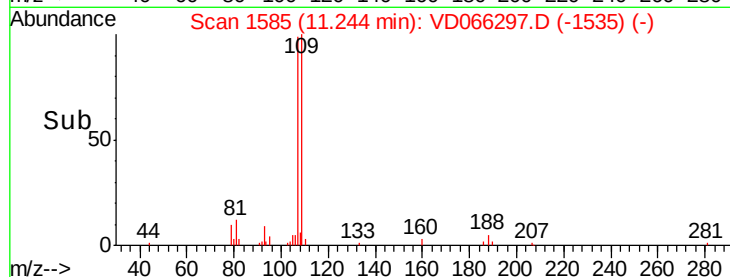
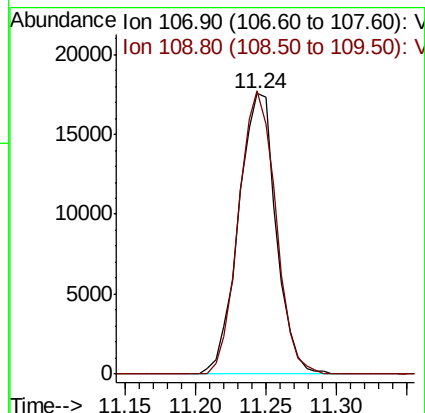
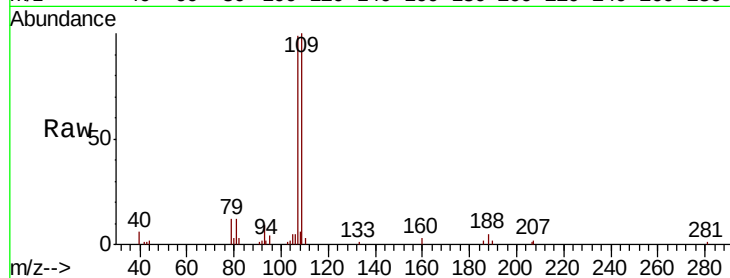
VD0818SBSD02

Tot Ion:107 Resp: 32706

Ion Ratio Lower Upper

107 100

109 99.4 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 53.706 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

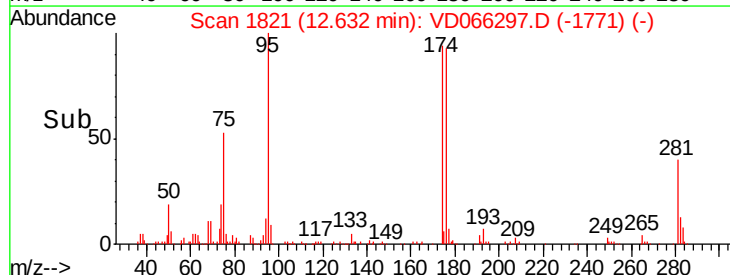
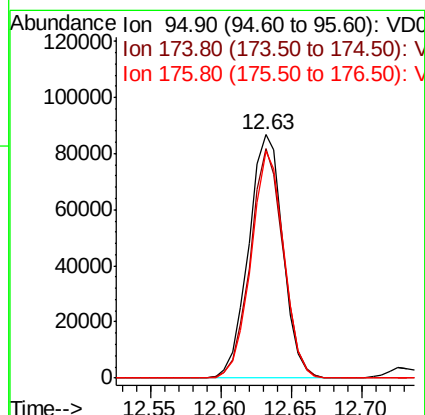
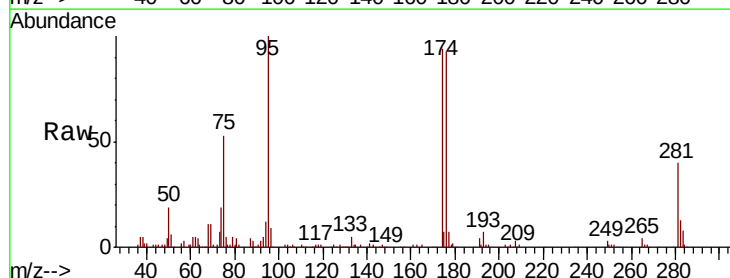
Tgt Ion: 95 Resp: 148031

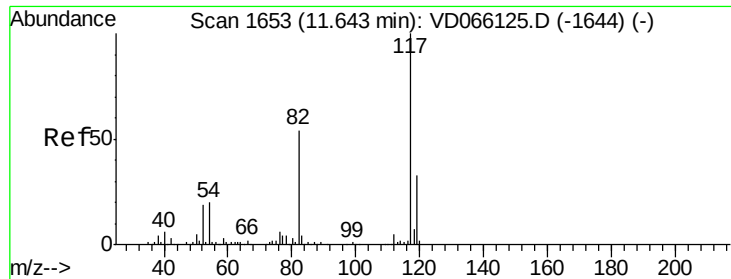
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.8

176 88.8 0.0 181.2

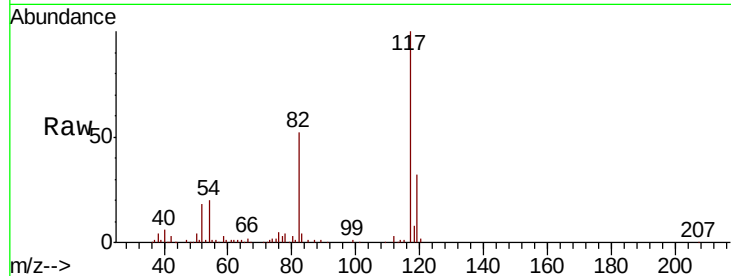




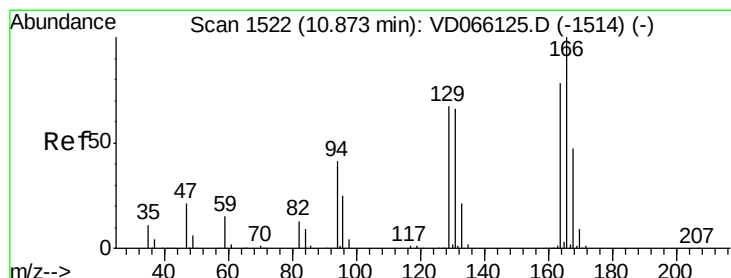
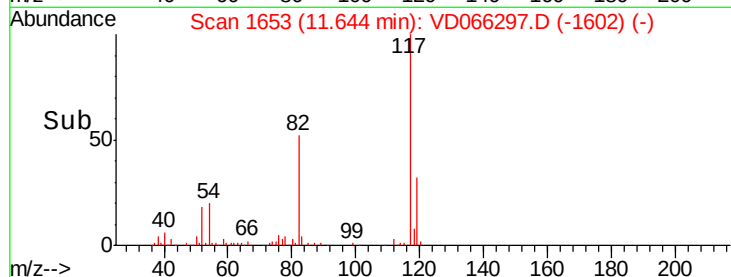
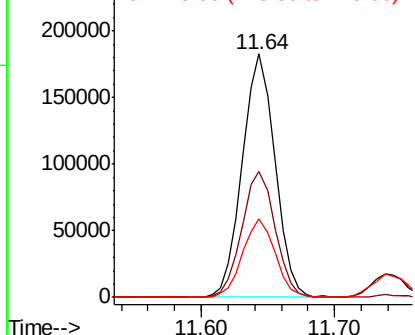
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion:117 Resp: 310084
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 32.5 26.1 39.1

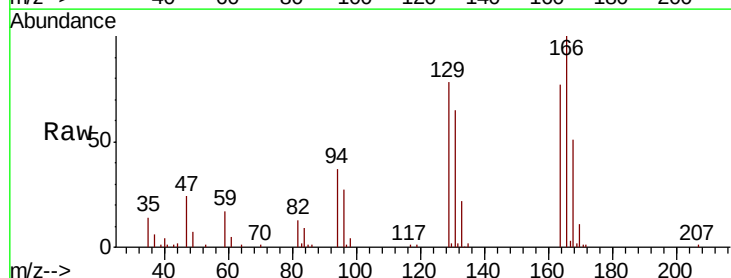


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

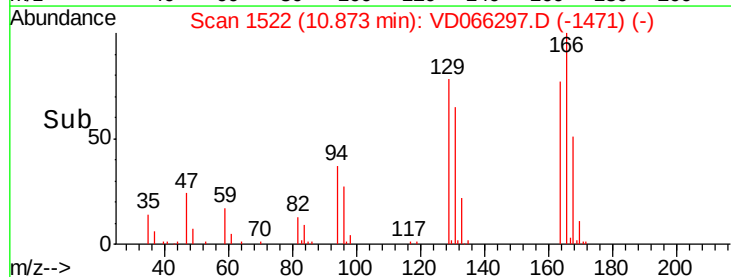
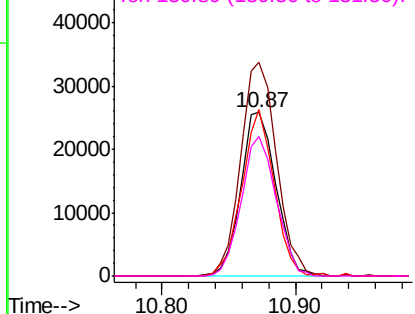


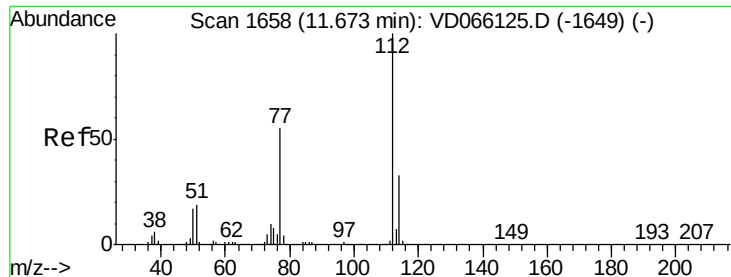
#64
Tetrachloroethene
Concen: 19.826 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion:164 Resp: 47208
Ion Ratio Lower Upper
164 100
166 130.7 101.9 152.9
129 101.6 68.1 102.1
131 85.5 67.6 101.4



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

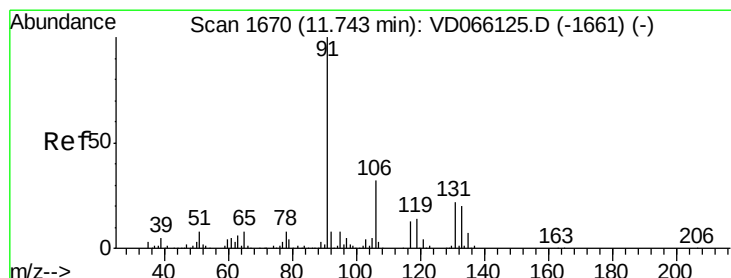
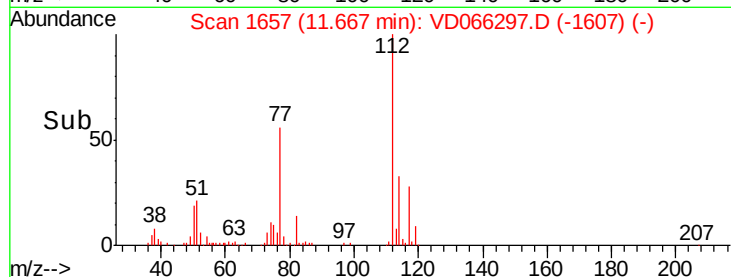
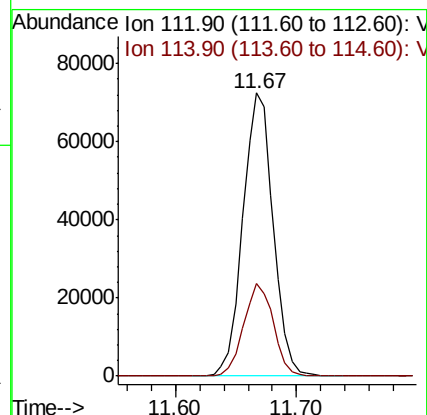
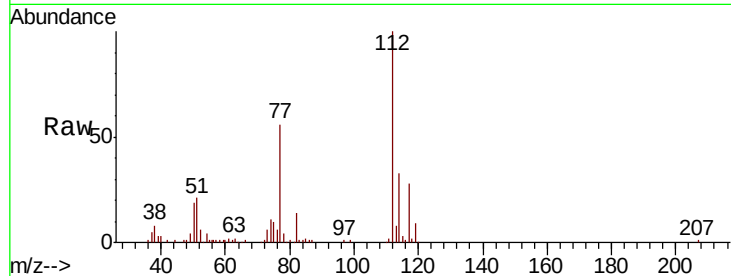




#65
Chlorobenzene
Concen: 20.045 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

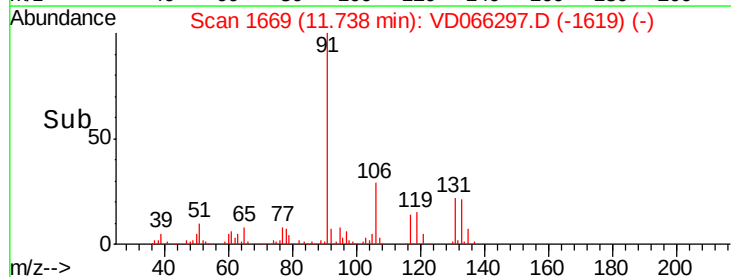
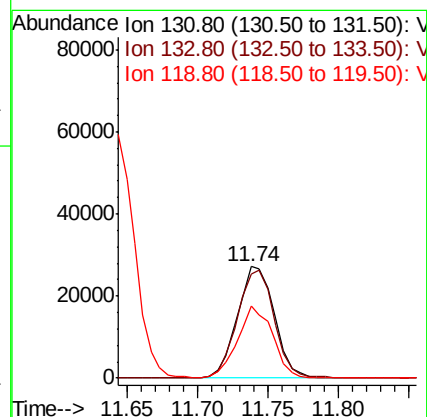
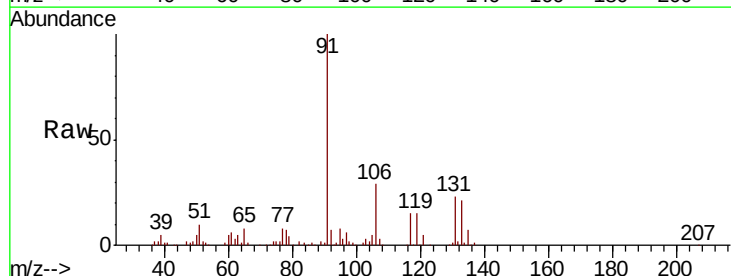
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

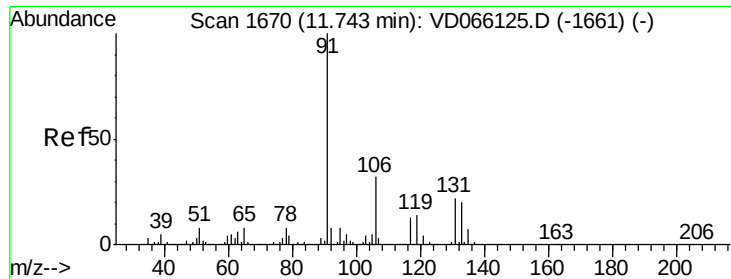
Tot Ion:112 Resp: 126179
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.322 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion:131 Resp: 50052
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.4
119 61.1 31.6 94.7

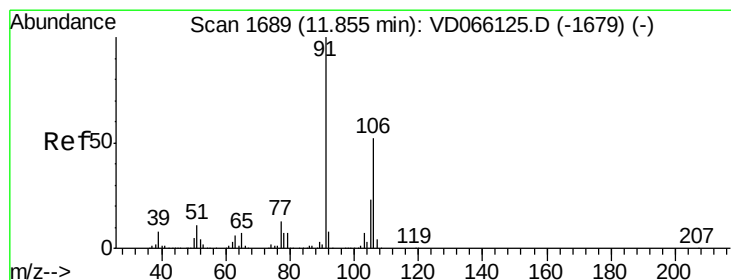
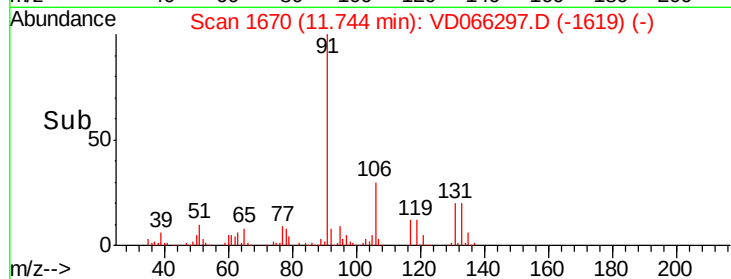
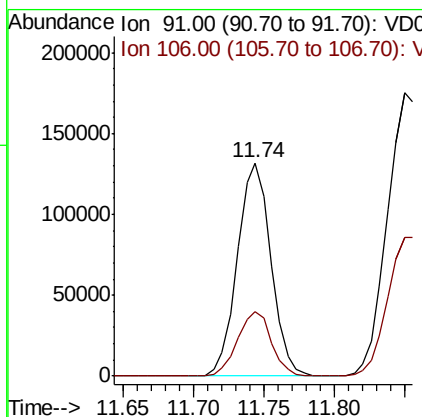
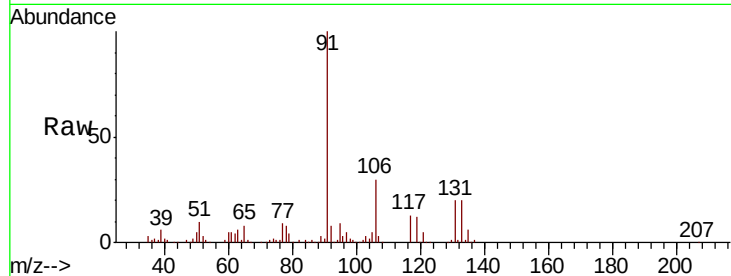




#67
Ethyl Benzene
Concen: 20.109 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

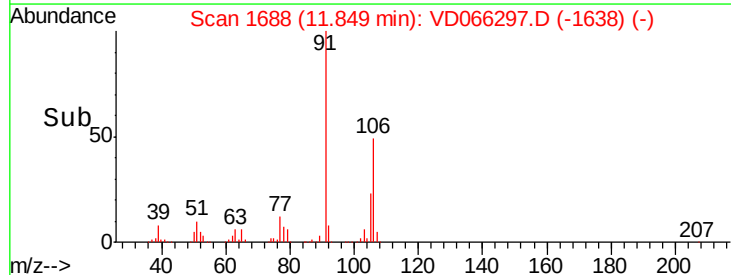
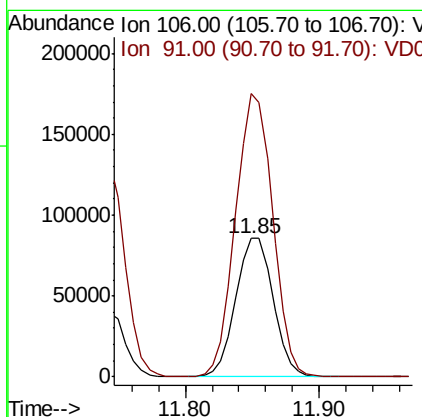
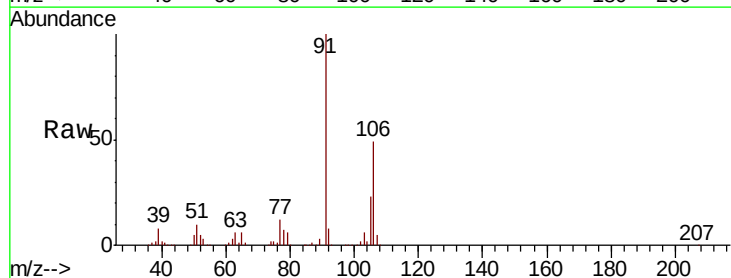
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

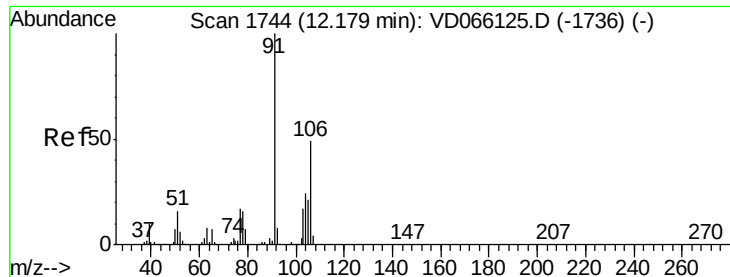
Tot Ion: 91 Resp: 219354
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5



#68
m/p-Xylenes
Concen: 39.524 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 106 Resp: 167043
Ion Ratio Lower Upper
106 100
91 203.2 156.6 235.0

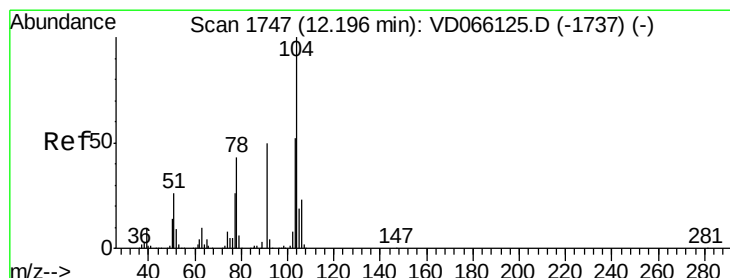
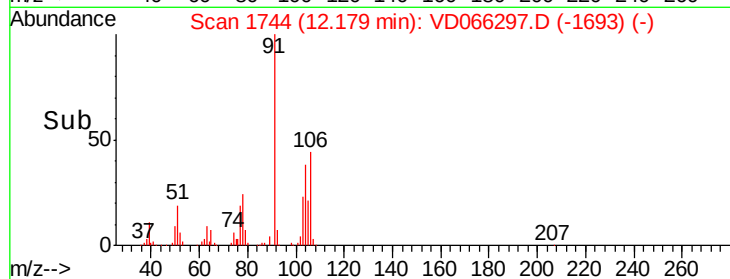
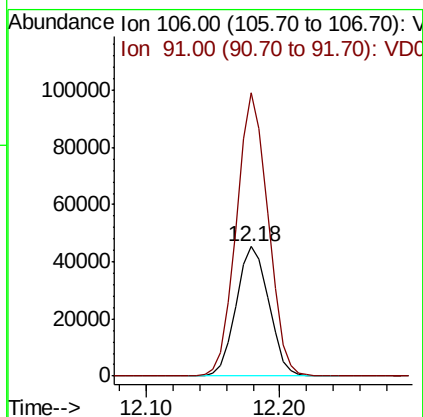
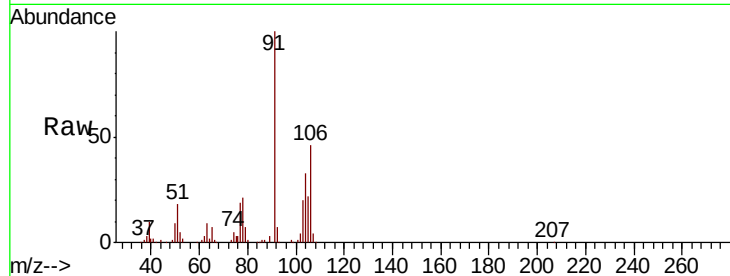




#69
o-Xylene
Concen: 19.901 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

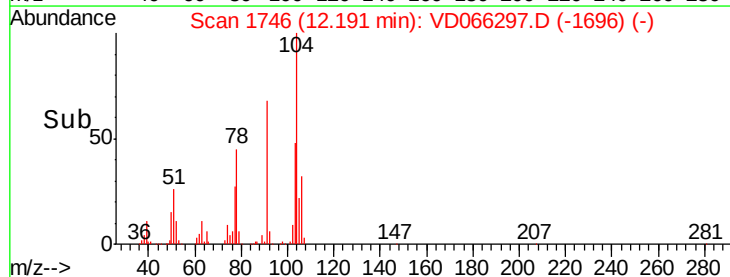
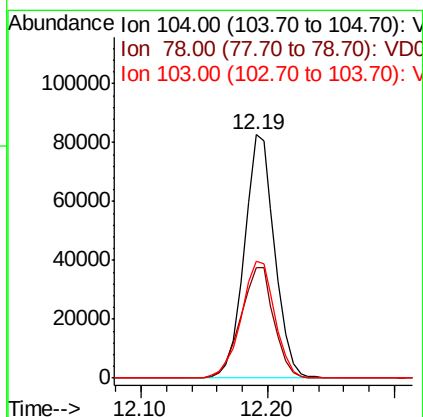
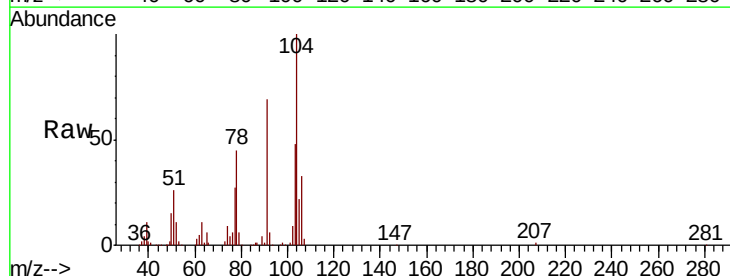
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

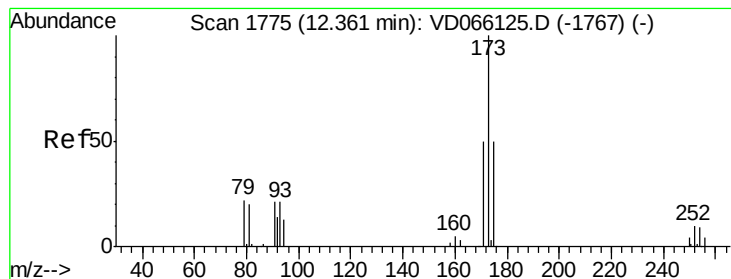
Tot Ion:106 Resp: 76511
Ion Ratio Lower Upper
106 100
91 213.0 105.7 317.1



#70
Styrene
Concen: 20.340 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion:104 Resp: 137044
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 53.1 44.1 66.1





#71

Bromoform

Concen: 20.304 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

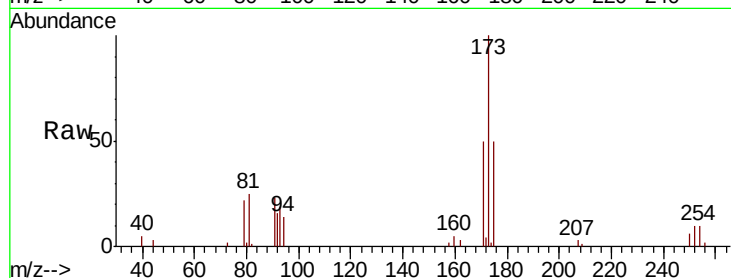
Tot Ion:173 Resp: 29629

Ion Ratio Lower Upper

173 100

175 50.0 24.6 73.6

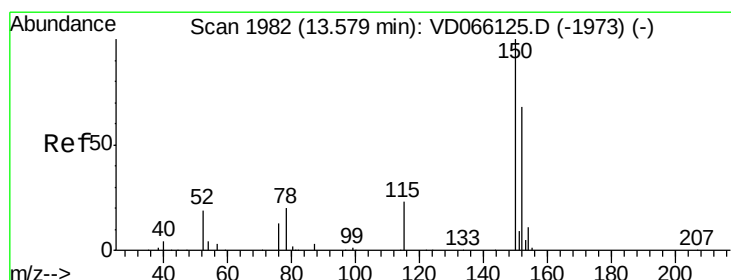
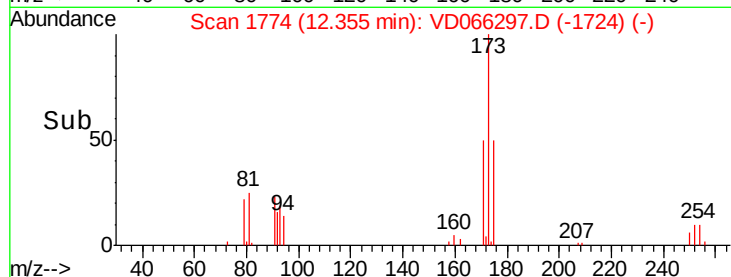
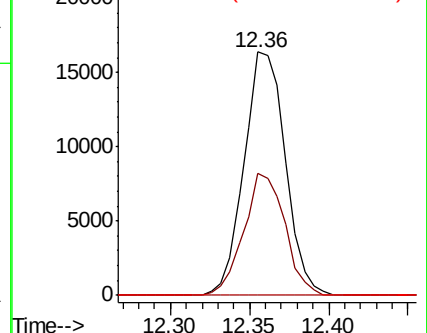
254 0.0 0.2 0.2#



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: VD066297.D

Acq: 19 Aug 2020 02:13

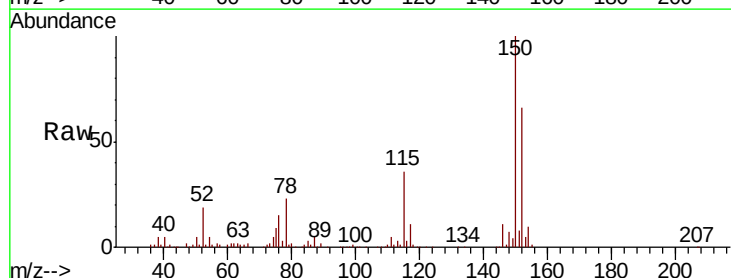
Tgt Ion:152 Resp: 162748

Ion Ratio Lower Upper

152 100

115 56.3 28.0 83.9

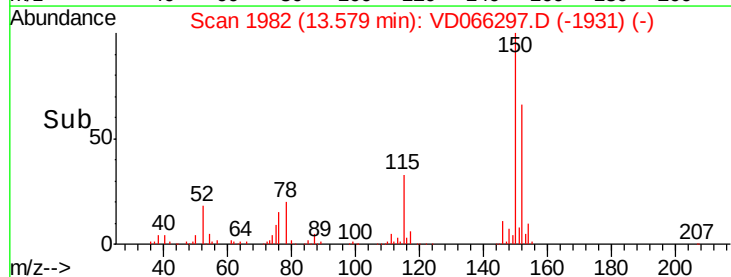
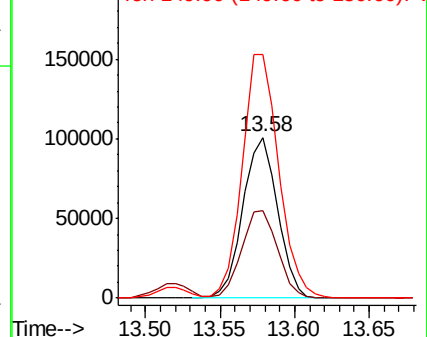
150 159.3 0.0 346.4

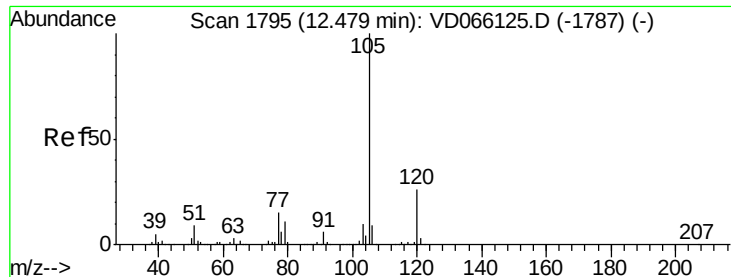


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.252 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

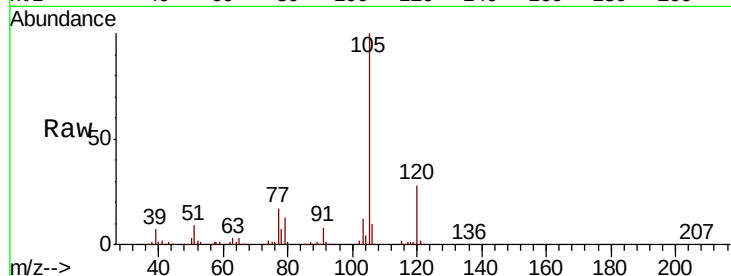
VD0818SBSD02

Tot Ion:105 Resp: 209153

Ion Ratio Lower Upper

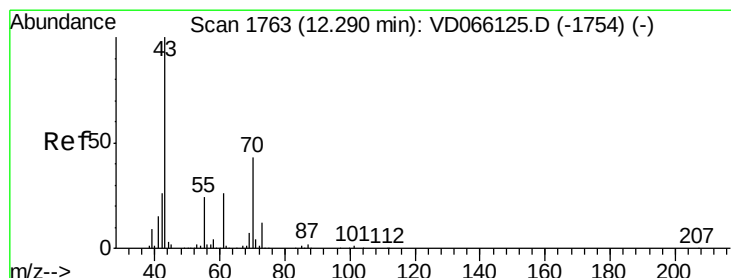
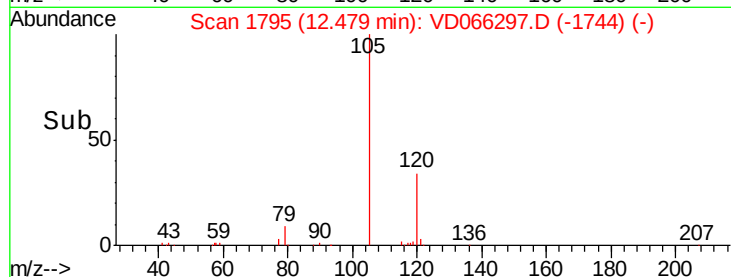
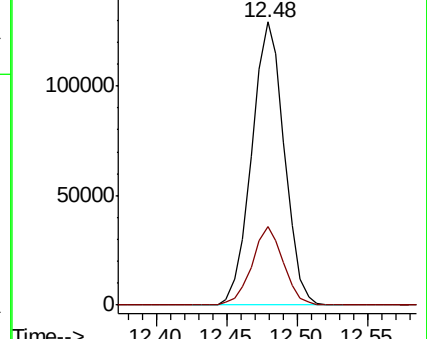
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.580 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion: 43 Resp: 42057

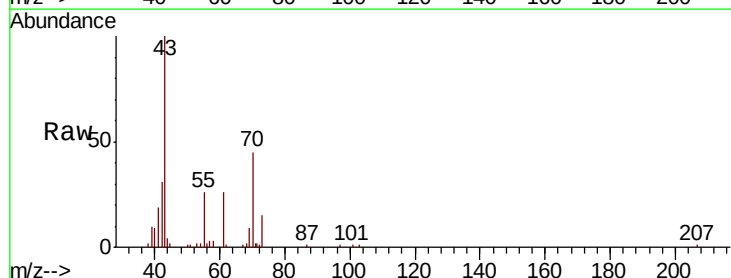
Ion Ratio Lower Upper

43 100

70 44.1 34.9 52.3

55 26.1 19.2 28.8

61 24.9 19.7 29.5

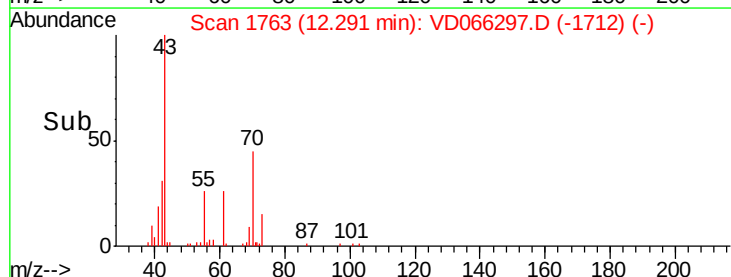
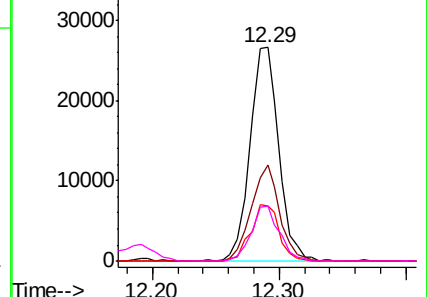


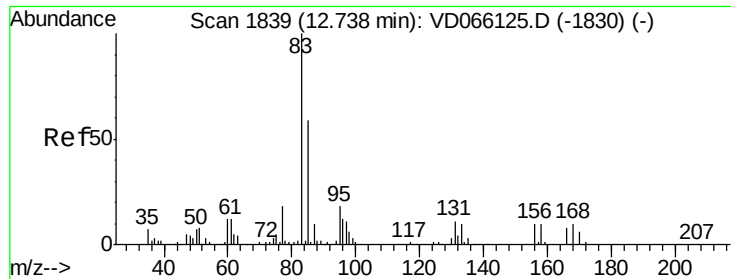
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.627 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

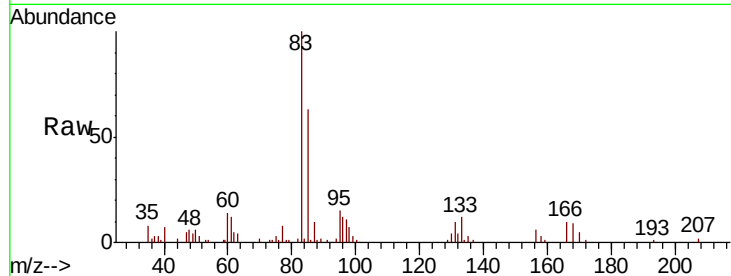
Tot Ion: 83 Resp: 38210

Ion Ratio Lower Upper

83 100

131 11.9 6.2 18.6

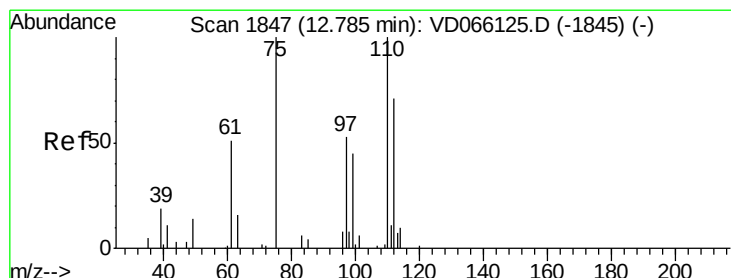
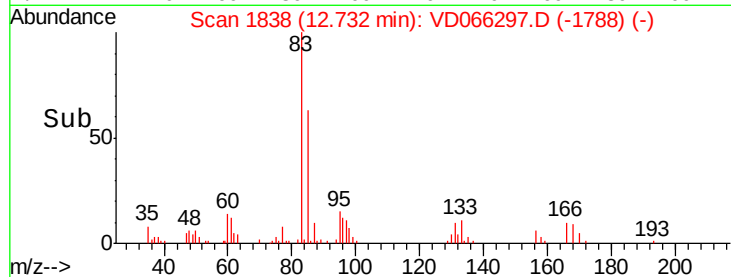
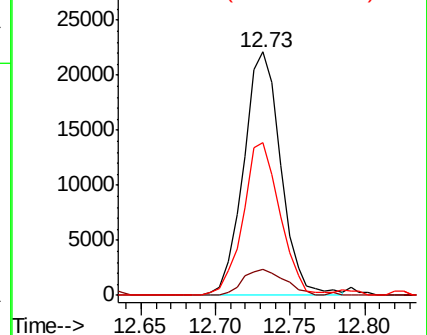
85 62.1 32.4 97.2



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: 34.778 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066297.D

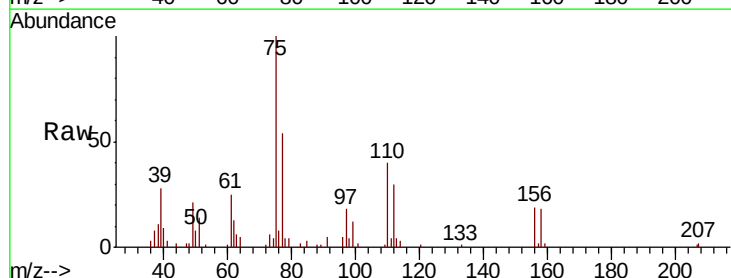
Acq: 19 Aug 2020 02:13

Tgt Ion: 75 Resp: 47201

Ion Ratio Lower Upper

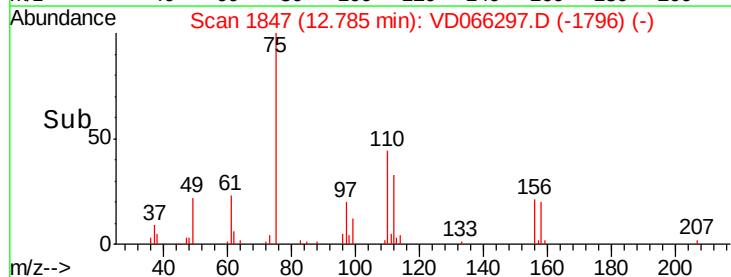
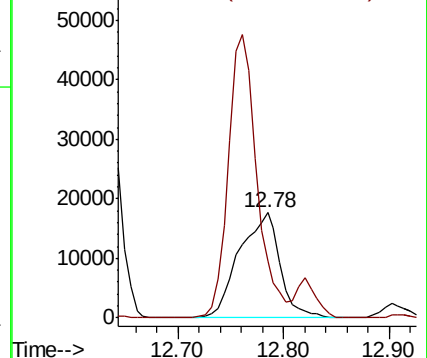
75 100

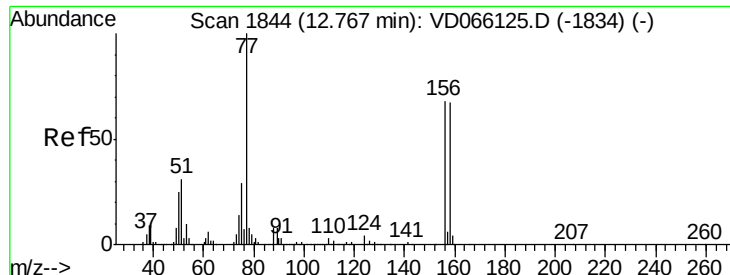
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.203 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

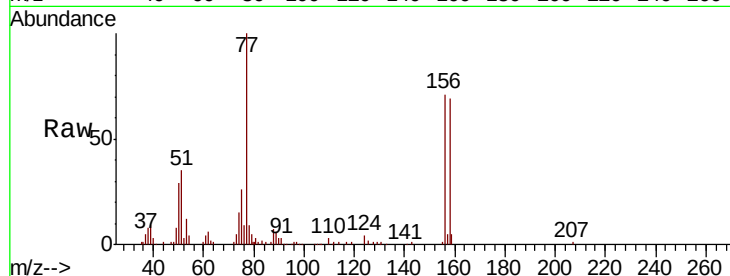
Tot Ion:156 Resp: 56500

Ion Ratio Lower Upper

156 100

77 157.4 81.0 243.1

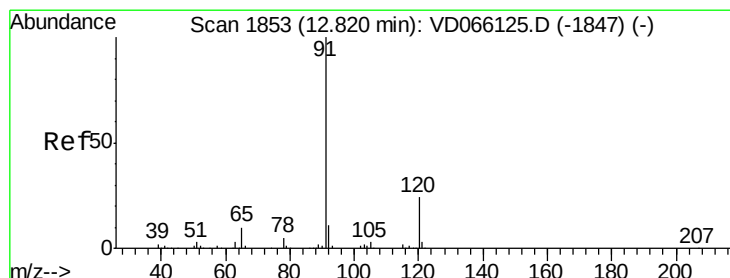
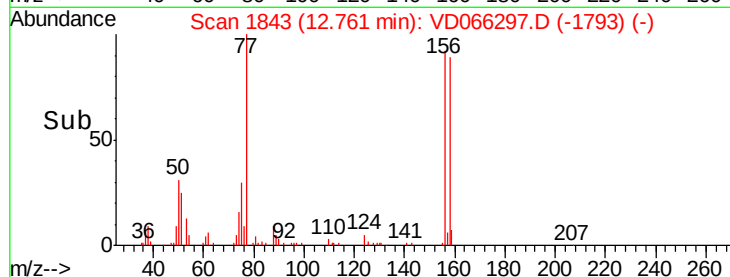
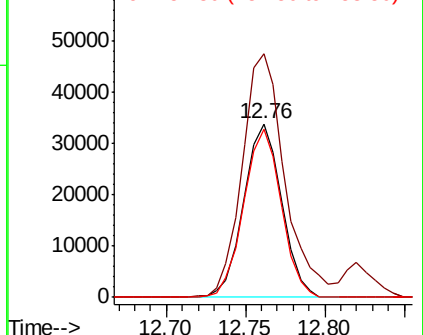
158 95.5 48.8 146.3



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: 19.238 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066297.D

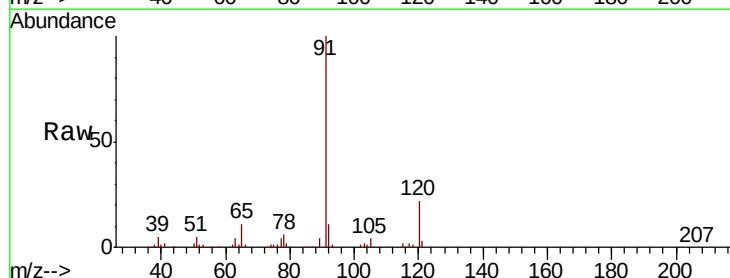
Acq: 19 Aug 2020 02:13

Tgt Ion: 91 Resp: 242943

Ion Ratio Lower Upper

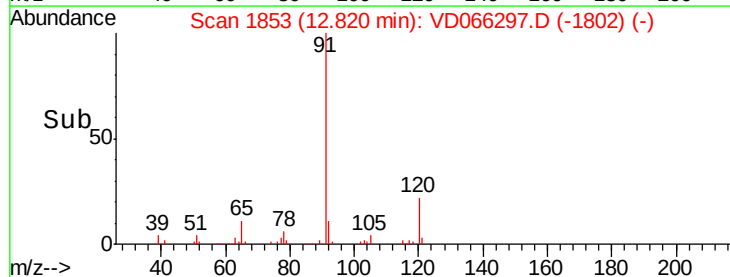
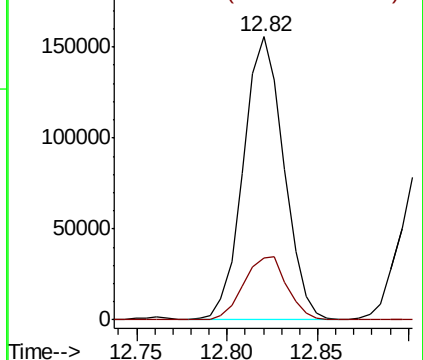
91 100

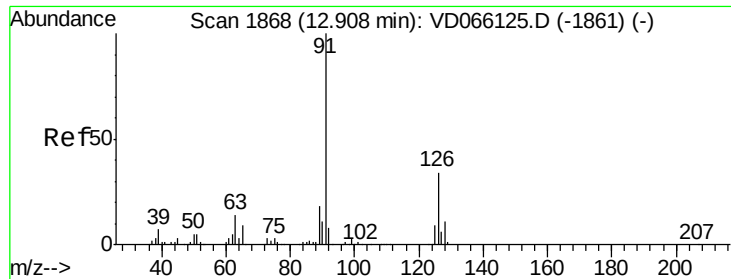
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

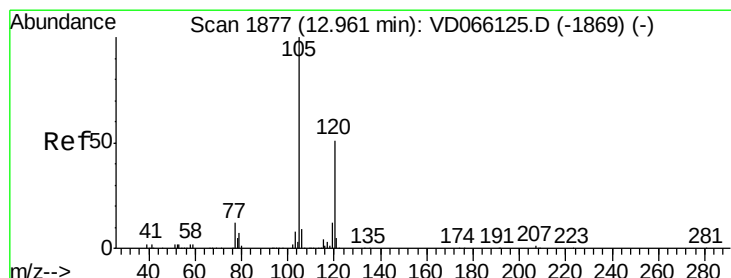
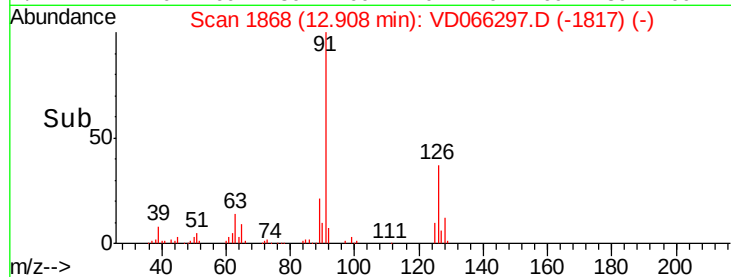
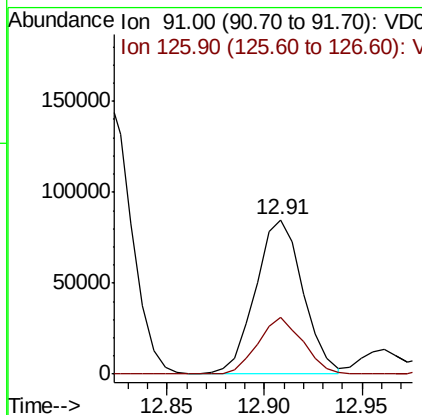
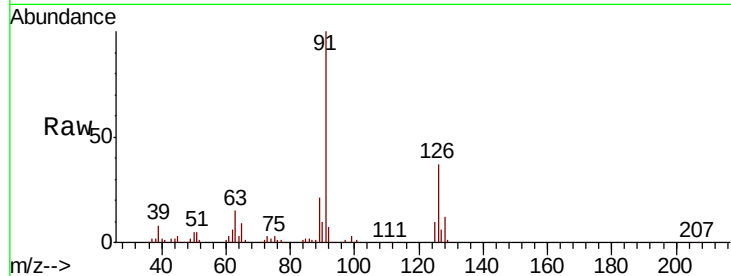




#79
 2-Chlorotoluene
 Concen: 19.749 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

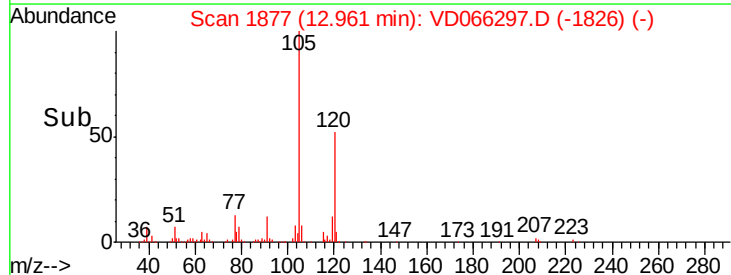
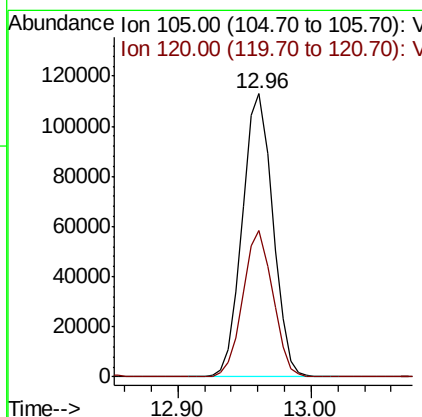
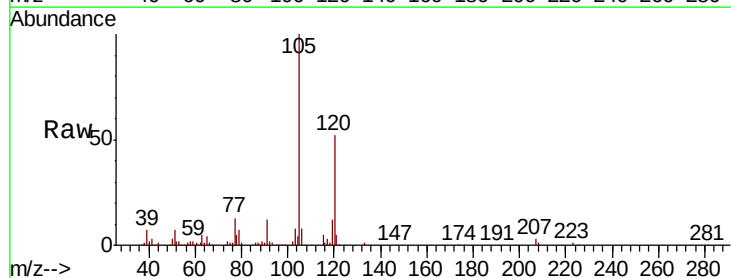
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

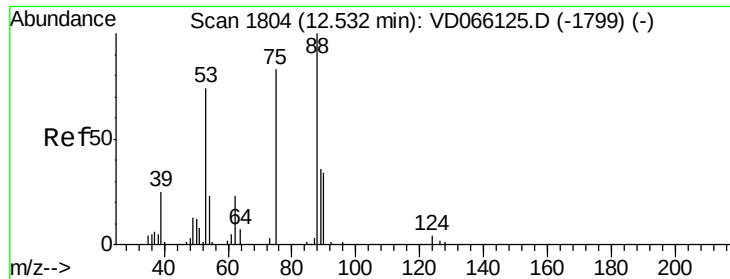
Tot Ion: 91 Resp: 142640
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.648 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 105 Resp: 178513
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.117 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

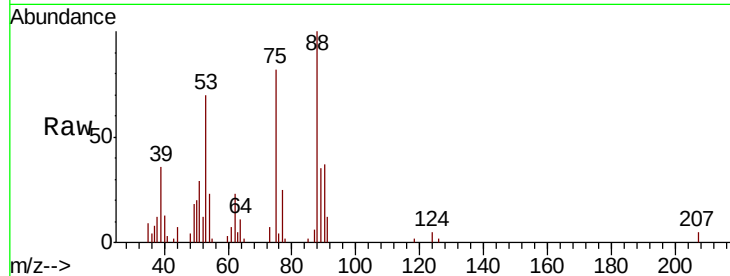
Tot Ion: 75 Resp: 11123

Ion Ratio Lower Upper

75 100

53 92.5 73.4 110.2

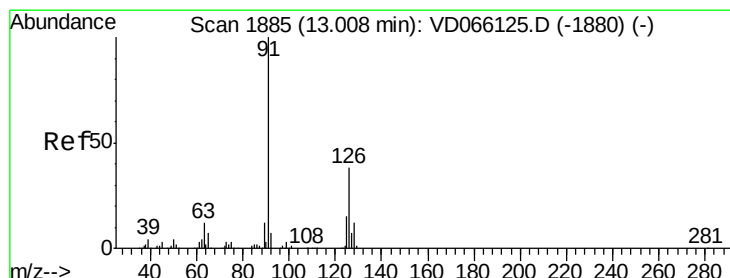
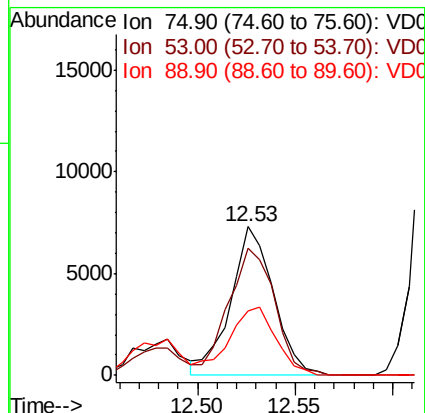
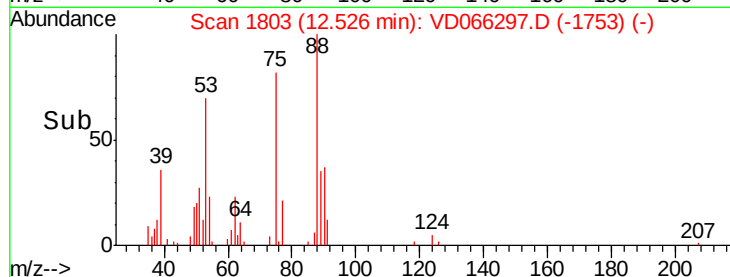
89 48.6 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.012 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066297.D

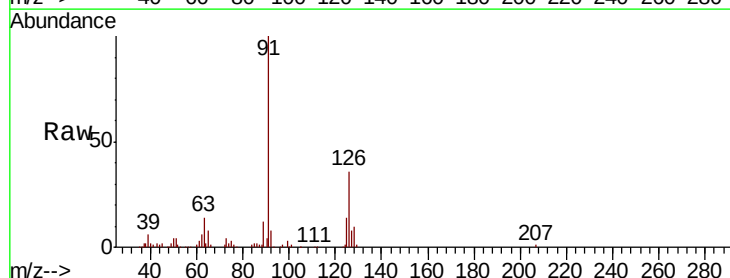
Acq: 19 Aug 2020 02:13

Tgt Ion: 91 Resp: 152580

Ion Ratio Lower Upper

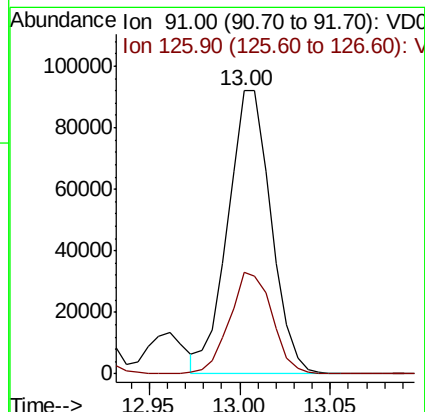
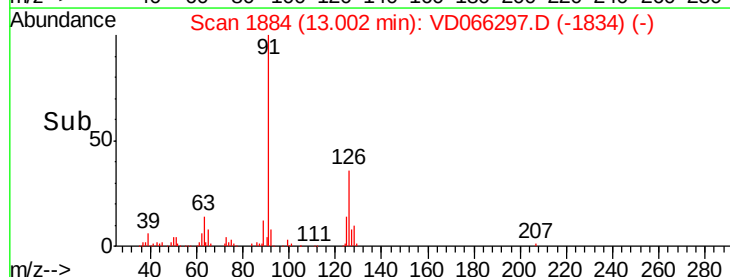
91 100

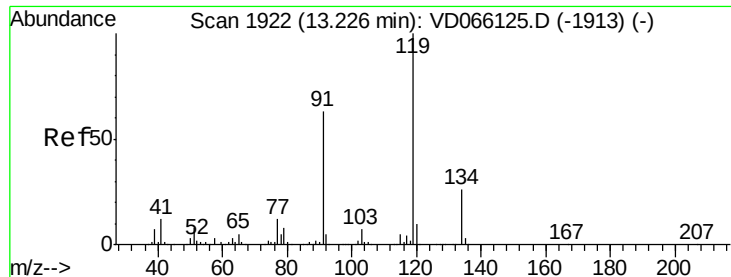
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

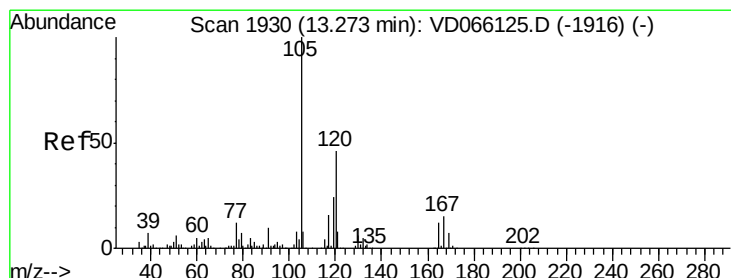
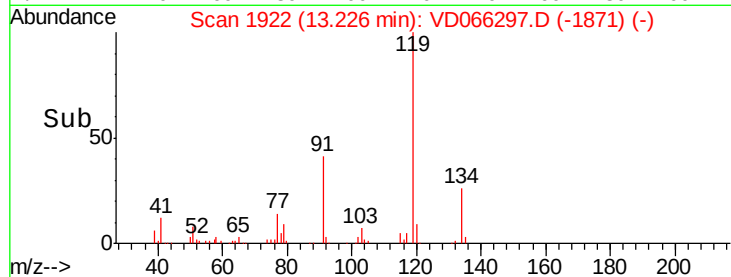
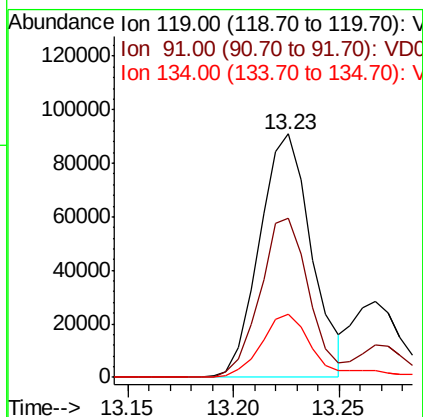
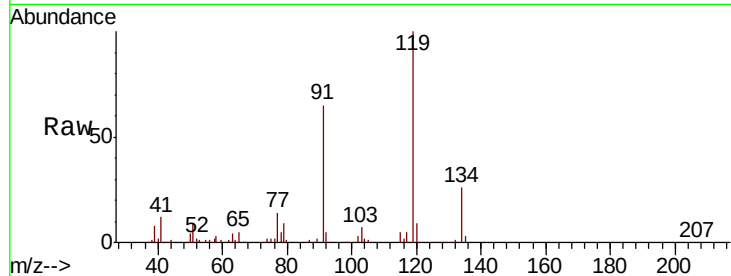




#83
 tert-Butylbenzene
 Concen: 19.443 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

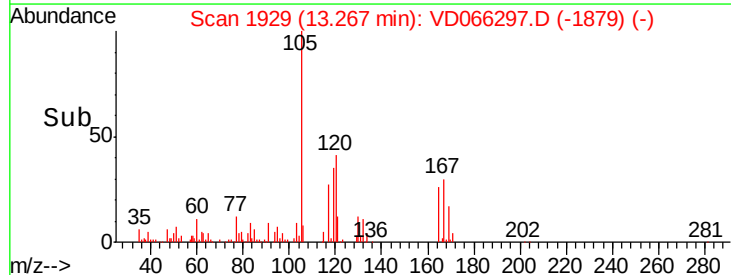
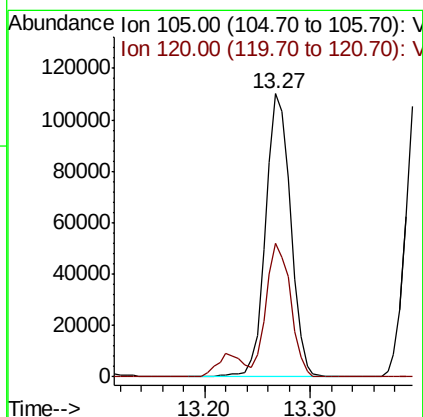
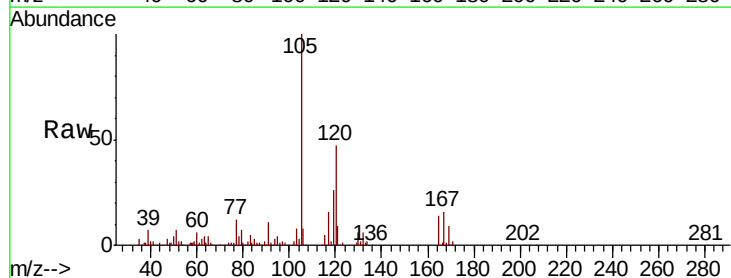
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

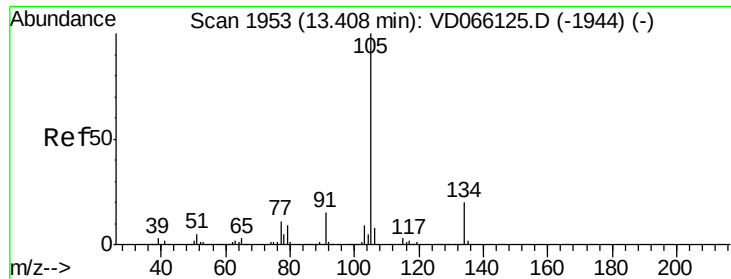
Tot Ion:119 Resp: 155351
 Ion Ratio Lower Upper
 119 100
 91 61.7 30.8 92.4
 134 26.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.848 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion:105 Resp: 180470
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.333 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

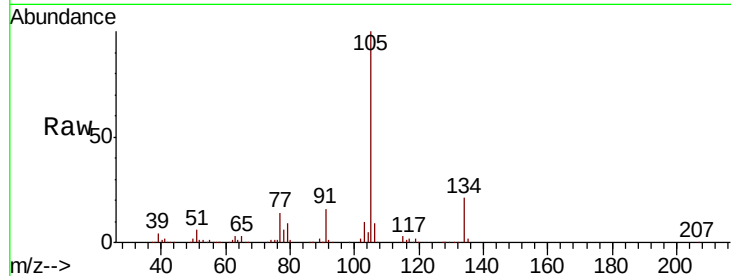
VD0818SBS02

Tot Ion:105 Resp: 208563

Ion Ratio Lower Upper

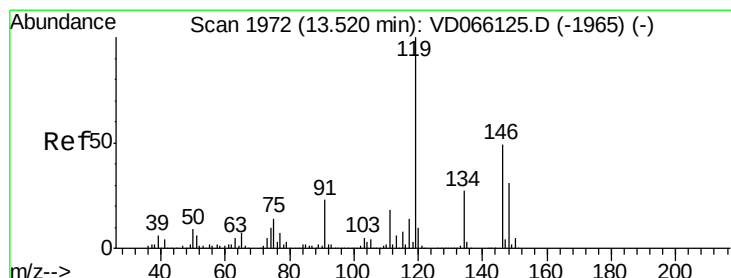
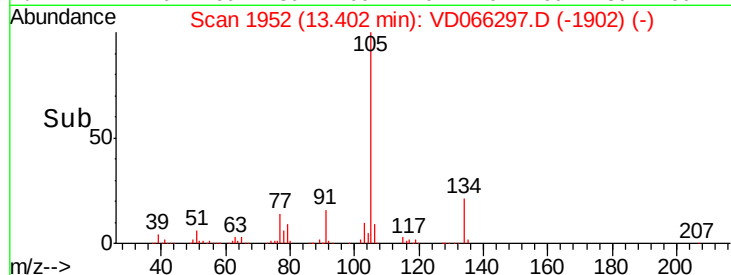
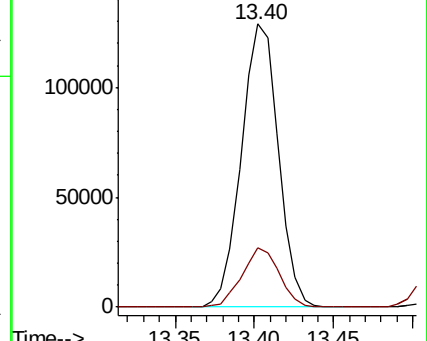
105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.169 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

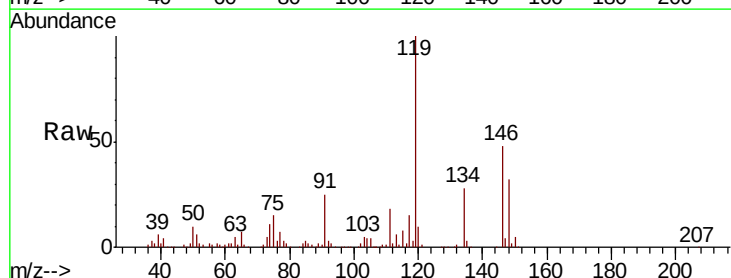
Tgt Ion:119 Resp: 193949

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

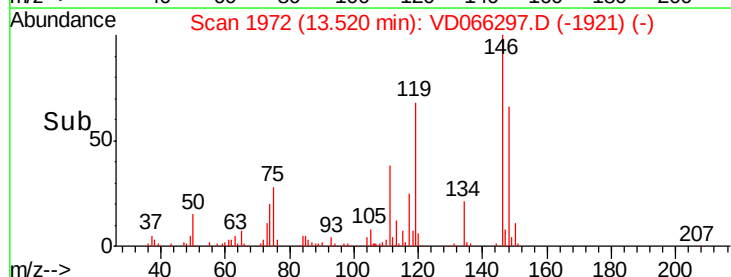
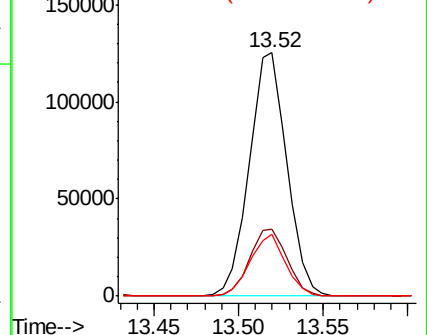
91 24.1 11.2 33.5

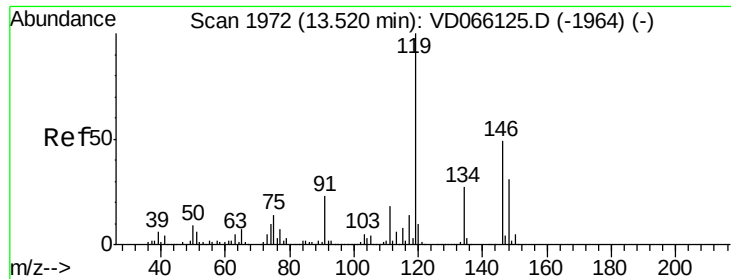


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.394 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

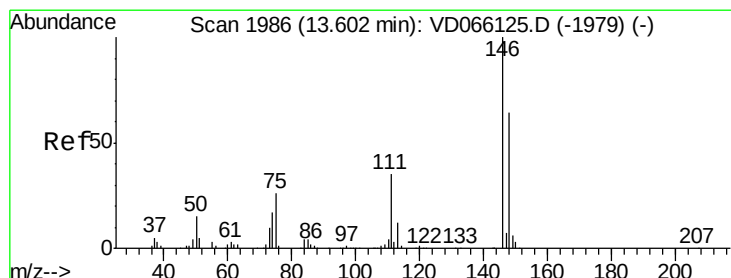
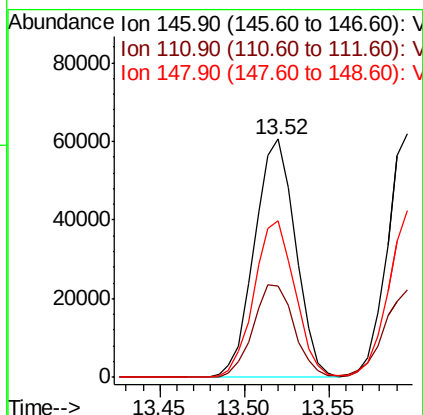
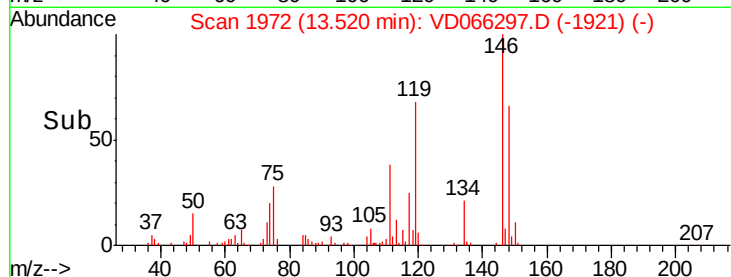
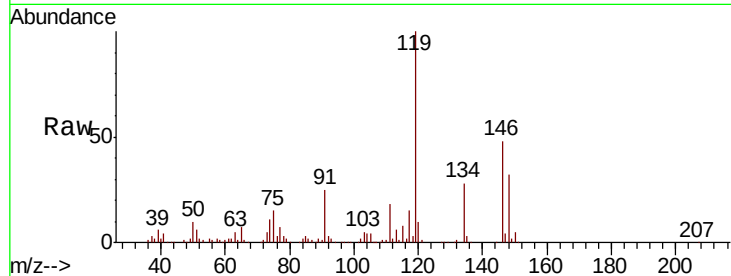
Tot Ion:146 Resp: 101936

Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.9

148 65.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 19.969 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

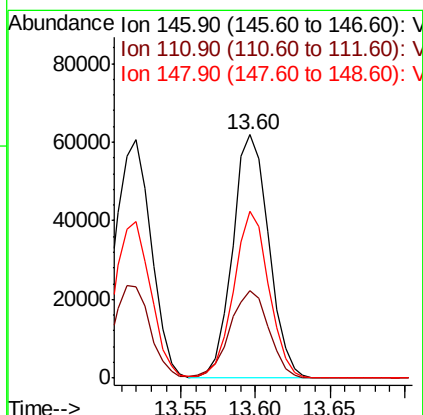
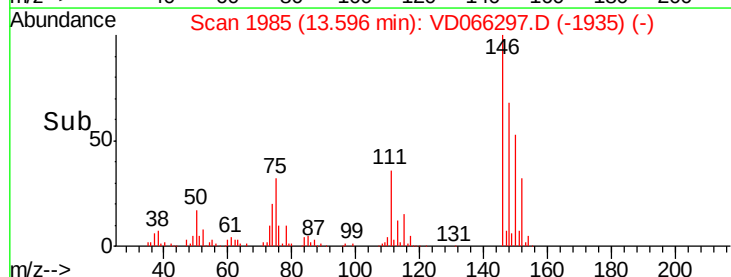
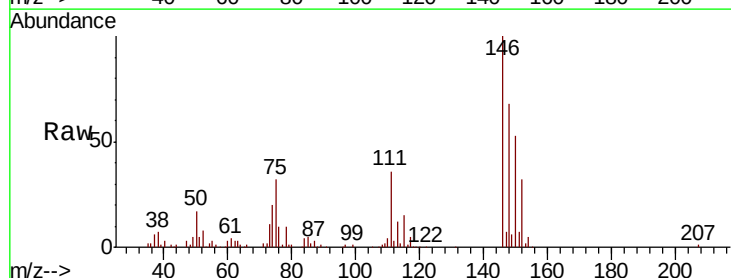
Tgt Ion:146 Resp: 104672

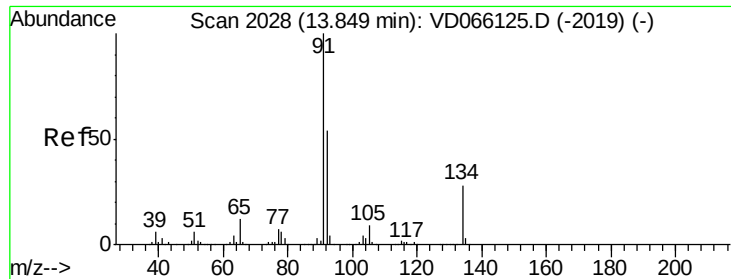
Ion Ratio Lower Upper

146 100

111 38.6 18.6 55.8

148 66.6 32.4 97.0

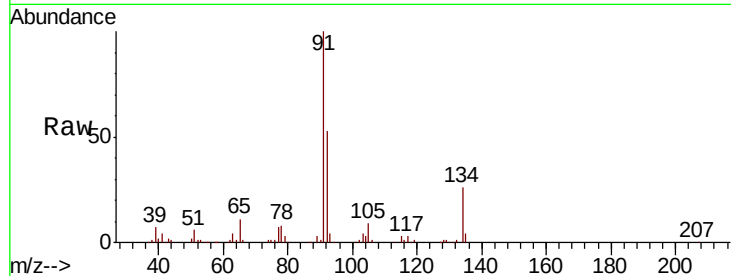




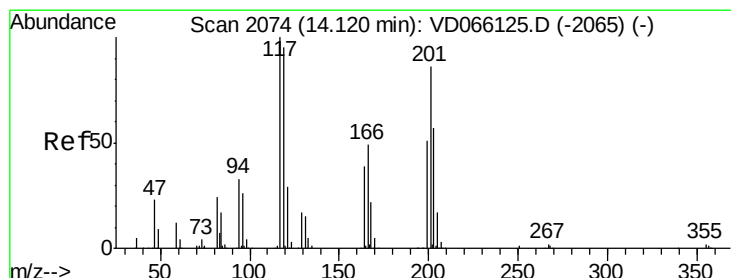
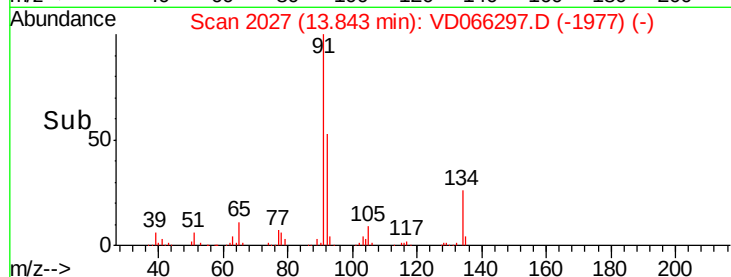
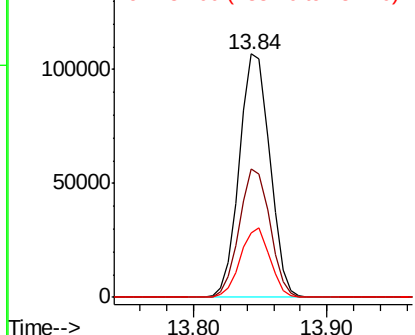
#89
n-Butylbenzene
Concen: 18.679 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion: 91 Resp: 169327
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 27.5 14.0 41.9

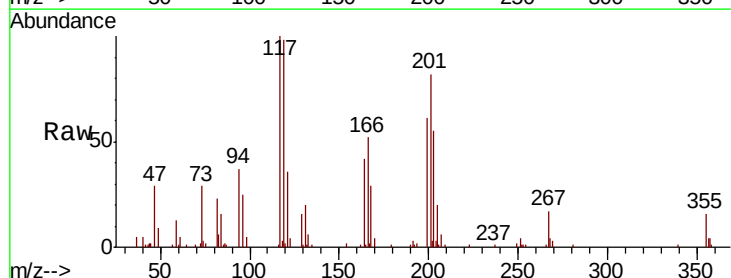


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC

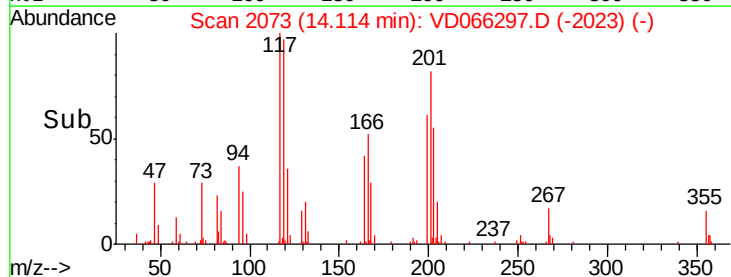
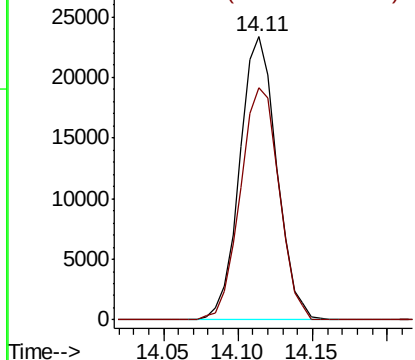


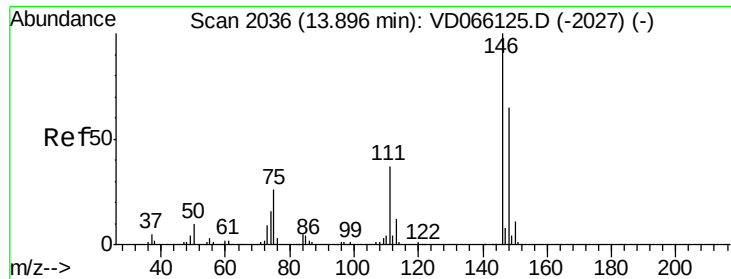
#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 117 Resp: 40130
Ion Ratio Lower Upper
117 100
201 85.7 42.7 128.1



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC

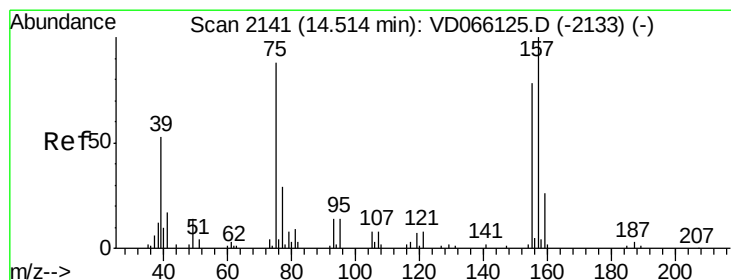
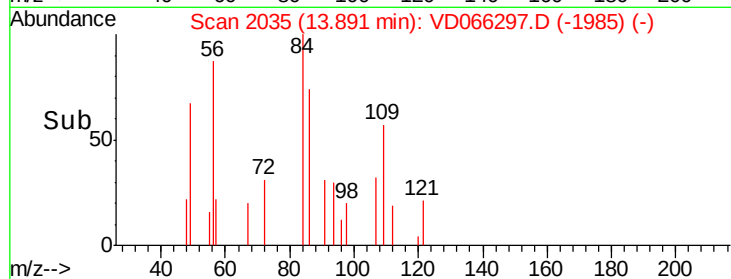
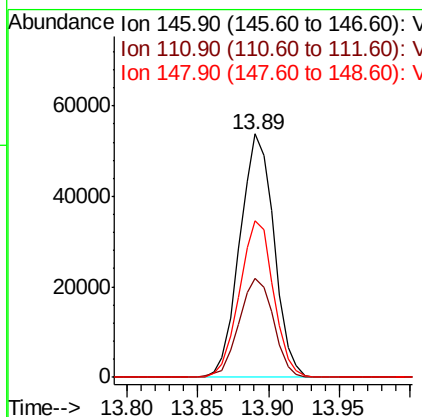
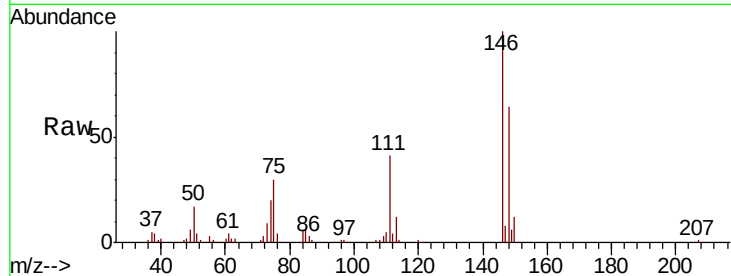




#91
 1,2-Dichlorobenzene
 Concen: 19.621 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

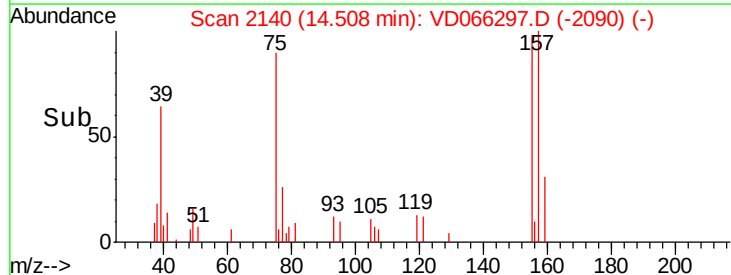
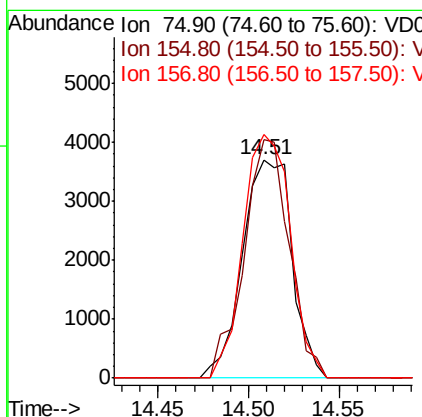
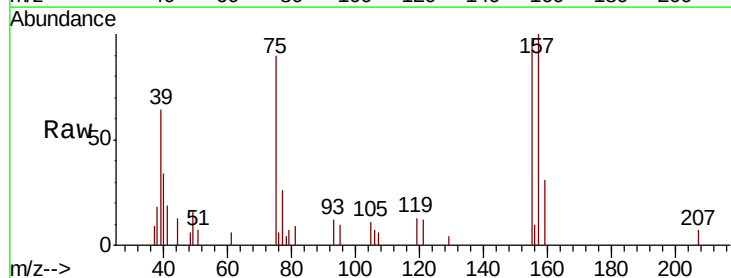
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

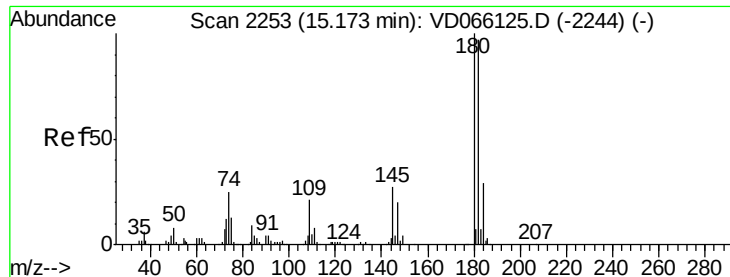
Tot Ion:146 Resp: 91204
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.8 56.3
 148 63.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.137 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion: 75 Resp: 7048
 Ion Ratio Lower Upper
 75 100
 155 99.3 47.7 143.1
 157 106.4 62.1 186.2

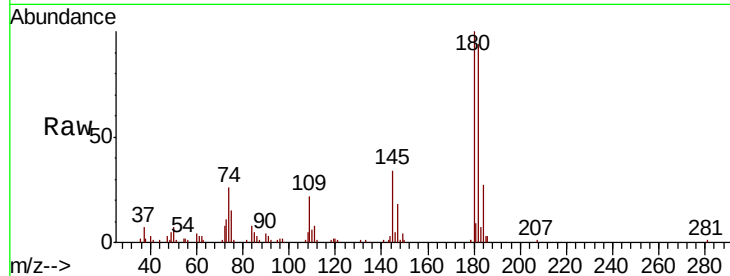




#93
 1,2,4-Trichlorobenzene
 Concen: 18.555 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	31.3	14.5	43.6

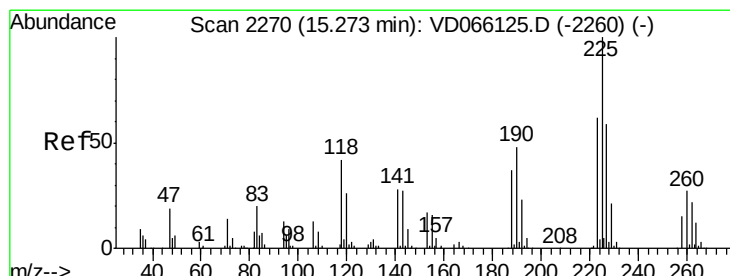
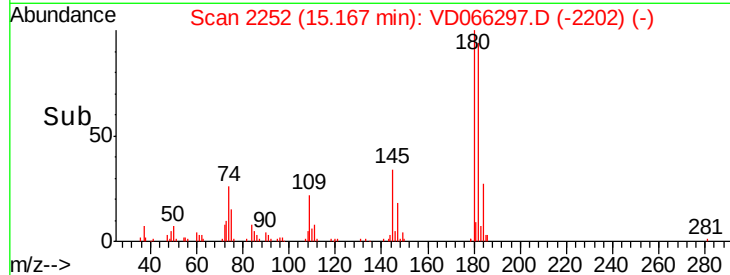
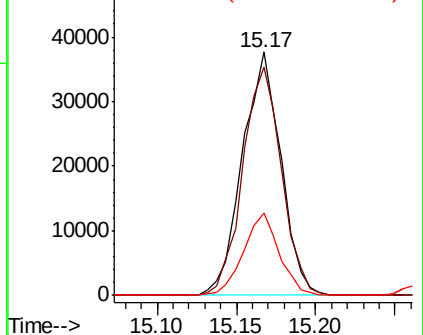


Abundance

Ion 179.80 (179.50 to 180.50): V

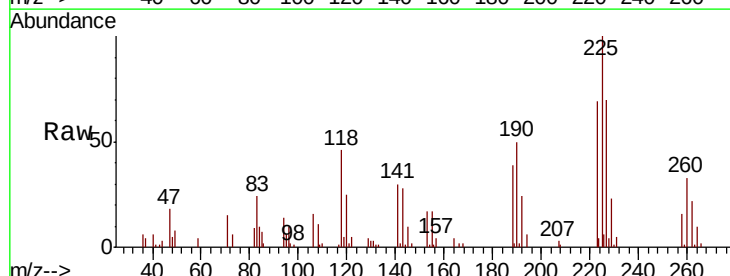
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.378 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.3	96.9
227	64.4	32.1	96.5

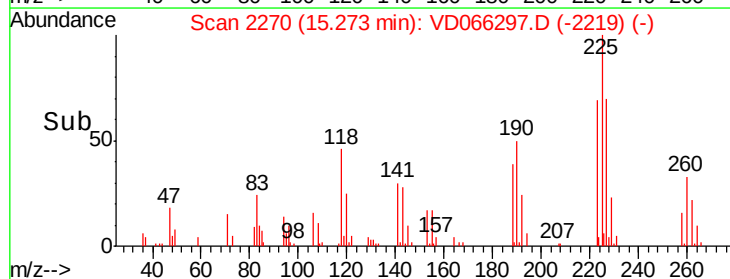
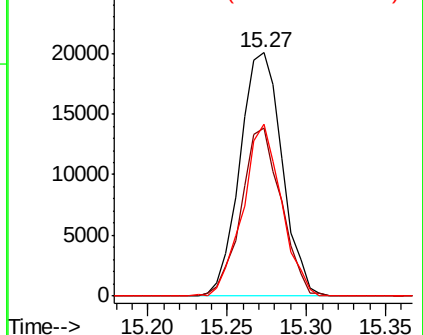


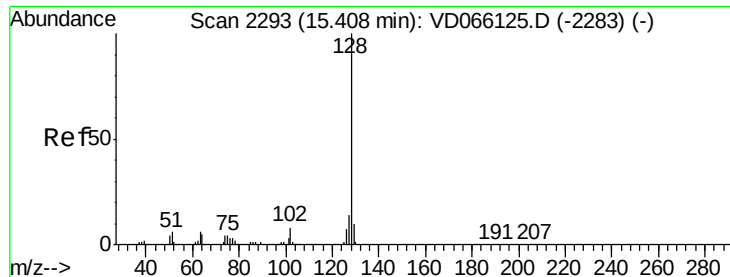
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.154 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

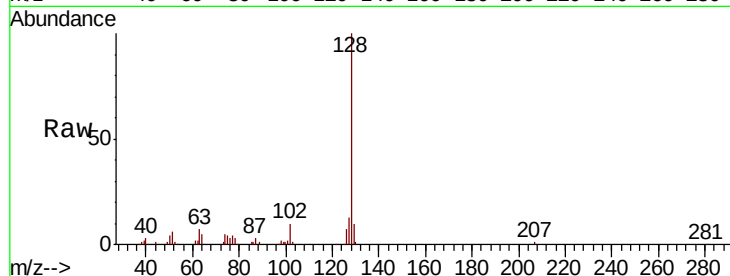
Tot Ion:128 Resp: 106910

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

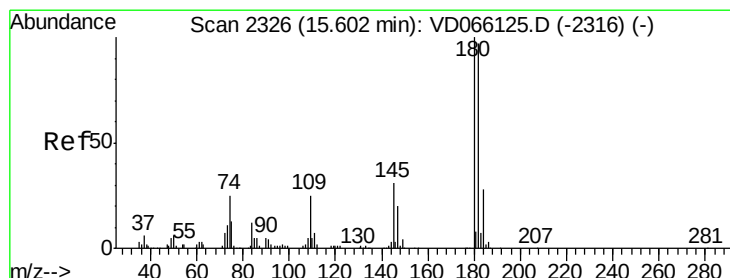
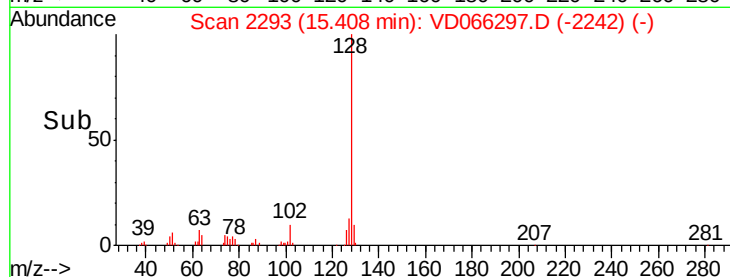
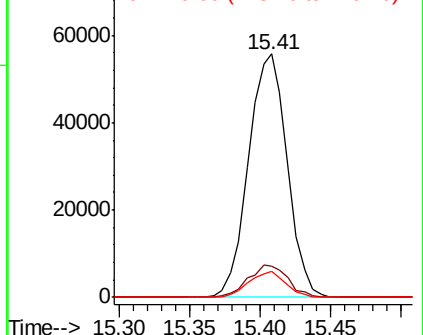
129 10.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.712 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

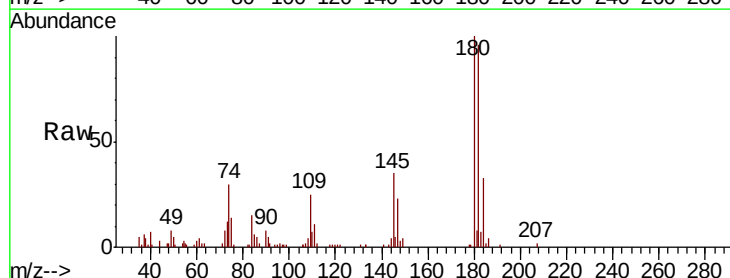
Tgt Ion:180 Resp: 56584

Ion Ratio Lower Upper

180 100

182 93.8 47.1 141.4

145 32.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

