

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066316.D
 Acq On : 19 Aug 2020 14:05
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 19 16:00:21 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	7.98	168	257605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	357749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	330402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173673	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	110034	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.91	113	110591	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	412960	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.63	95	147577	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	47721	21.026	ug/l	95
3) Chloromethane	2.20	50	31500	17.842	ug/l #	85
4) Vinyl Chloride	2.34	62	32970	21.093	ug/l	98
5) Bromomethane	2.76	94	22533	21.729	ug/l	84
6) Chloroethane	2.92	64	20375	21.236	ug/l	97
7) Trichlorofluoromethane	3.27	101	86379	21.197	ug/l	93
8) Diethyl Ether	3.71	74	20801	18.091	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47609	19.686	ug/l	98
10) Methyl Iodide	4.30	142	48162	25.650	ug/l	96
11) Tert butyl alcohol	5.19	59	9552	20.839	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	42456	18.610	ug/l	98
13) Acrolein	3.91	56	8927	48.799	ug/l	97
14) Allyl chloride	4.71	41	59583	17.239	ug/l	91
15) Acrylonitrile	5.41	53	42324	87.352	ug/l	99
16) Acetone	4.15	43	44296	101.580	ug/l	93
17) Carbon Disulfide	4.40	76	125901	17.357	ug/l	99
18) Methyl Acetate	4.71	43	19694	17.780	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	94079	17.992	ug/l	99
20) Methylene Chloride	4.96	84	60823	21.642	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	46454	17.725	ug/l	93
22) Diisopropyl ether	6.36	45	116275	17.012	ug/l	93
23) Vinyl Acetate	6.30	43	339575	84.807	ug/l	97
24) 1,1-Dichloroethane	6.27	63	78045	18.451	ug/l	98
25) 2-Butanone	7.21	43	56971	88.826	ug/l	97
26) 2,2-Dichloropropane	7.20	77	80864	21.330	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	51016	18.559	ug/l	98
28) Bromochloromethane	7.54	49	29719	20.005	ug/l	98
29) Tetrahydrofuran	7.56	42	32704	82.300	ug/l	97
30) Chloroform	7.71	83	86761	19.535	ug/l	100
31) Cyclohexane	7.98	56	70659	17.549	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	85372	20.501	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68541	20.388	ug/l	97
37) Ethyl Acetate	7.29	43	23036	17.295	ug/l #	79
38) Carbon Tetrachloride	8.10	117	81785	21.816	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	77857	19.159	ug/l	98
40) Benzene	8.35	78	182563	19.576	ug/l	99
41) Methacrylonitrile	7.56	41	34454	43.994	ug/l #	34
42) 1,2-Dichloroethane	8.42	62	57284	20.909	ug/l	97
43) Isopropyl Acetate	8.45	43	47142	17.963	ug/l	98
44) Trichloroethene	9.11	130	58737	20.901	ug/l	96
45) 1,2-Dichloropropane	9.38	63	42235	18.517	ug/l	95
46) Dibromomethane	9.47	93	24337	19.371	ug/l	97
47) Bromodichloromethane	9.66	83	68483	20.624	ug/l #	93
48) Methyl methacrylate	9.45	41	21881	16.328	ug/l #	78
49) 1,4-Dioxane	9.46	88	5756	356.610	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	118453	87.871	ug/l	98
52) Toluene	10.40	92	121122	19.738	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63426	20.128	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	70362	19.058	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	34624	19.139	ug/l	94
56) Ethyl methacrylate	10.66	69	39649	18.244	ug/l	95
57) 1,3-Dichloropropane	10.94	76	57977	19.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	98398	100.658	ug/l	98
59) 2-Hexanone	10.98	43	84784	89.617	ug/l	98
60) Dibromochloromethane	11.14	129	51385	20.574	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35083	20.165	ug/l	95
64) Tetrachloroethene	10.87	164	51602	20.339	ug/l	94
65) Chlorobenzene	11.67	112	134600	20.068	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	53276	20.301	ug/l	98
67) Ethyl Benzene	11.74	91	234345	20.162	ug/l	96
68) m/p-Xylenes	11.85	106	179991	39.969	ug/l	95
69) o-Xylene	12.18	106	83487	20.380	ug/l	97
70) Styrene	12.20	104	143977	20.055	ug/l	98
71) Bromoform	12.36	173	30870	19.854	ug/l #	99
73) Isopropylbenzene	12.48	105	238925	20.609	ug/l	98
74) N-amyl acetate	12.29	43	44006	17.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35255	17.834	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	49219	33.984	ug/l #	100
77) Bromobenzene	12.76	156	59777	20.030	ug/l	97
78) n-propylbenzene	12.82	91	273022	20.260	ug/l	99
79) 2-Chlorotoluene	12.91	91	153506	19.916	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	200517	20.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13275	20.262	ug/l	95
82) 4-Chlorotoluene	13.00	91	165889	20.389	ug/l	100
83) tert-Butylbenzene	13.23	119	172721	20.257	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	196339	20.235	ug/l	98
85) sec-Butylbenzene	13.40	105	238589	20.726	ug/l	99
86) p-Isopropyltoluene	13.52	119	226474	20.975	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	109568	19.535	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	112016	20.026	ug/l	99
89) n-Butylbenzene	13.85	91	197831	20.450	ug/l	99
90) Hexachloroethane	14.11	117	42707	19.832	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	98033	19.763	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6339	18.658	ug/l	99

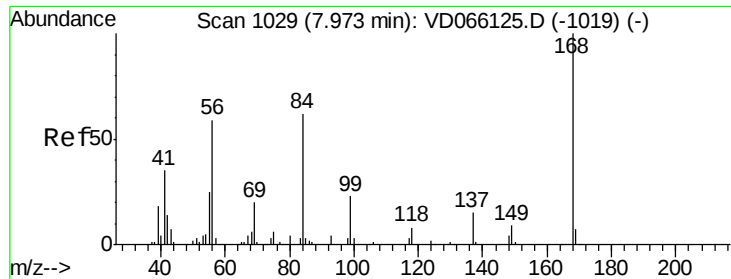
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72284	19.774	ug/l	97
94) Hexachlorobutadiene	15.27	225	43244	20.090	ug/l	97
95) Naphthalene	15.41	128	107492	18.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	60081	18.619	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

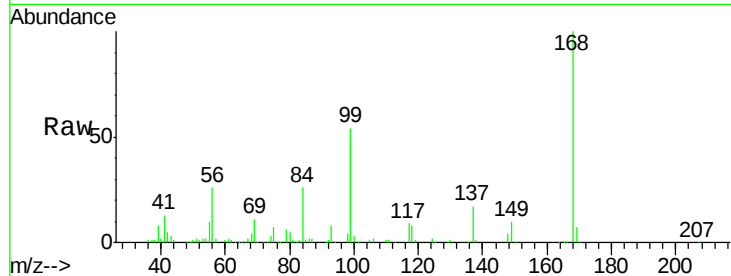
VD0819SBSD01

Tgt Ion:168 Resp: 257605

Ion Ratio Lower Upper

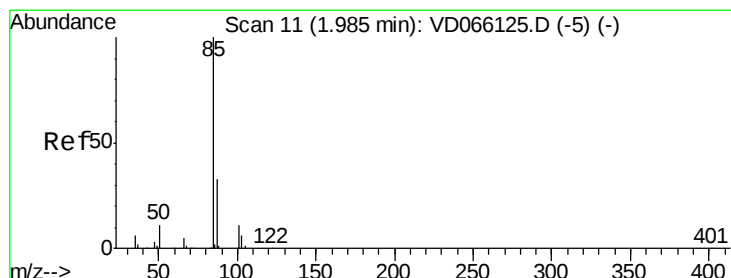
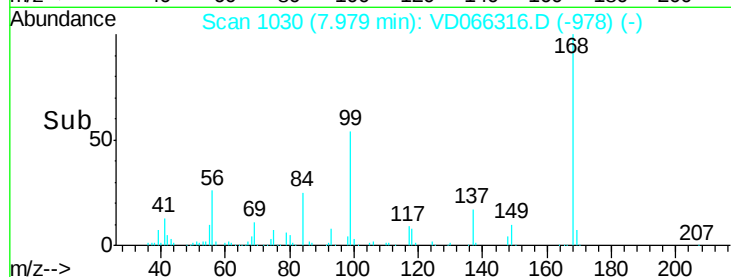
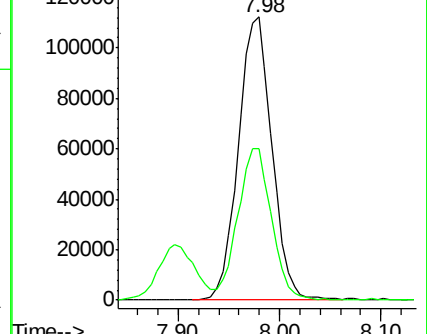
168 100

99 53.6 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: 21.026 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066316.D

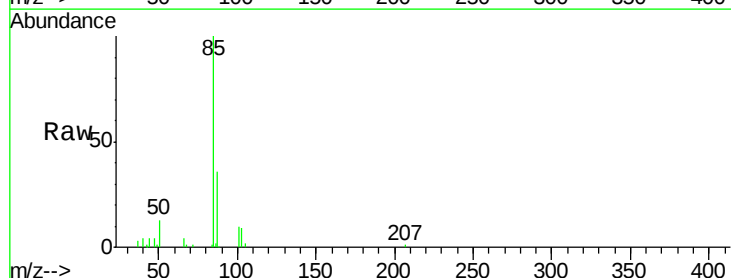
Acq: 19 Aug 2020 14:05

Tgt Ion: 85 Resp: 47721

Ion Ratio Lower Upper

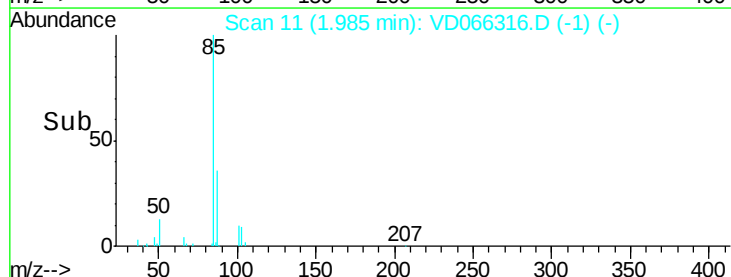
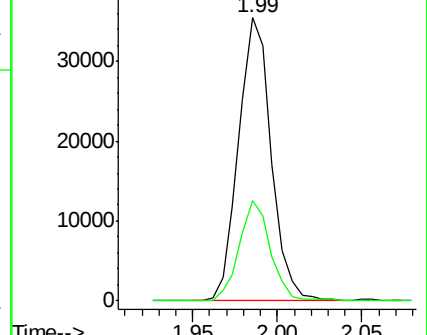
85 100

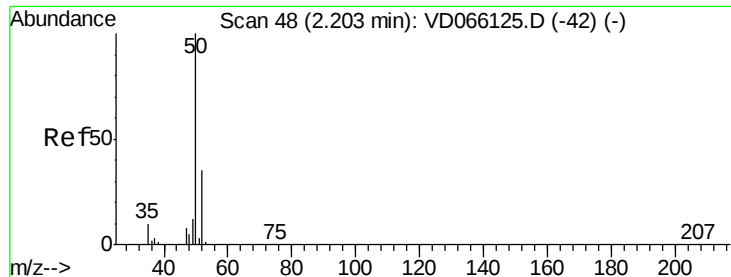
87 35.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.842 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

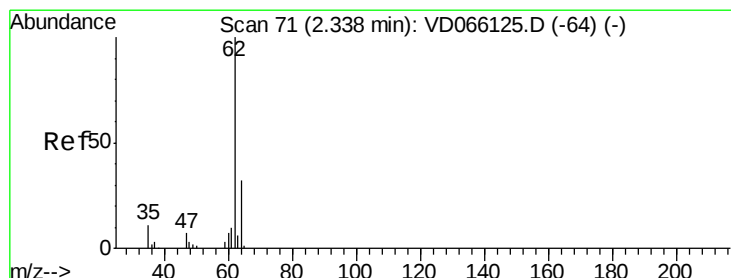
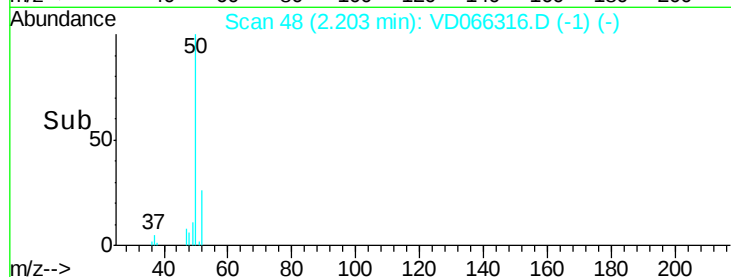
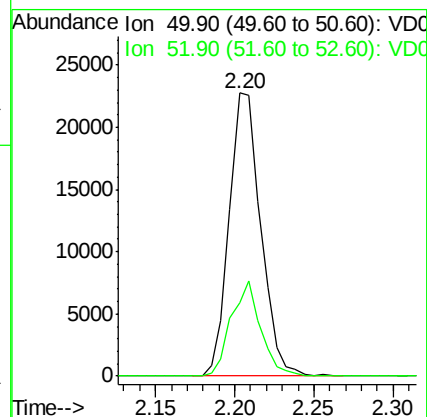
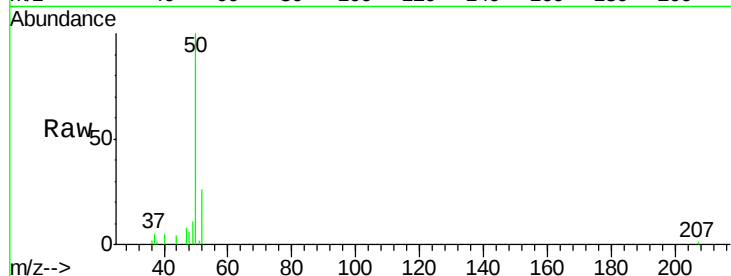
VD0819SBSD01

Tgt Ion: 50 Resp: 31500

Ion Ratio Lower Upper

50 100

52 26.0 27.9 41.9#



#4

Vinyl Chloride

Concen: 21.093 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066316.D

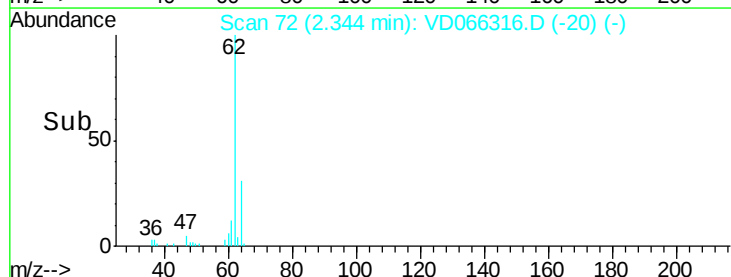
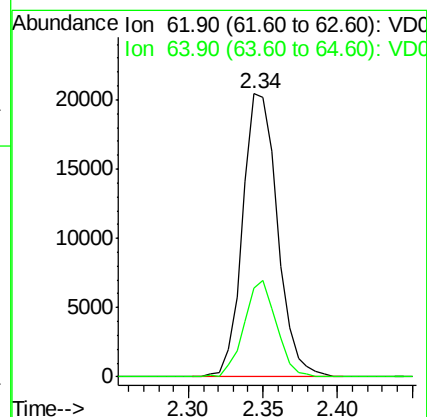
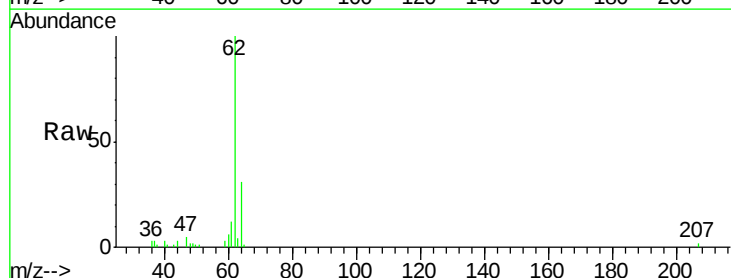
Acq: 19 Aug 2020 14:05

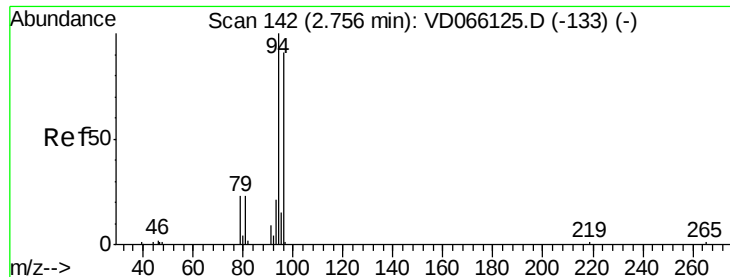
Tgt Ion: 62 Resp: 32970

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 21.729 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

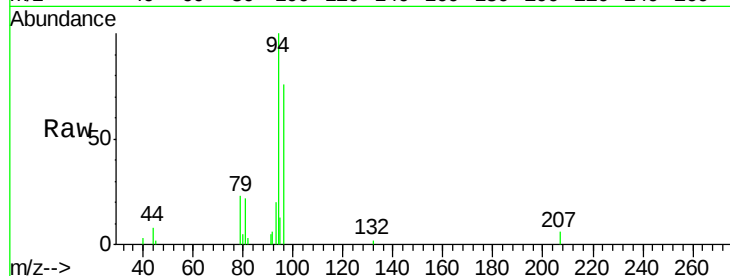
VD0819SBS01

Tgt Ion: 94 Resp: 22533

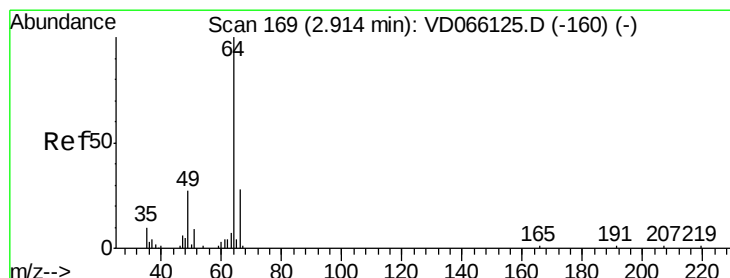
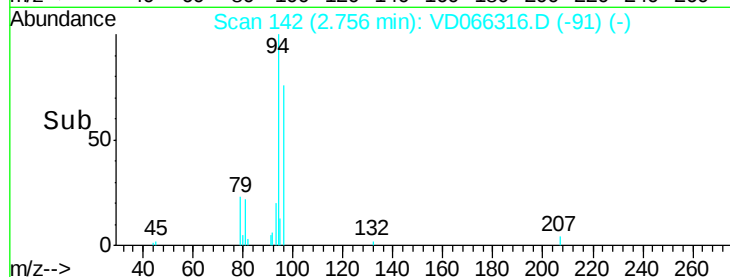
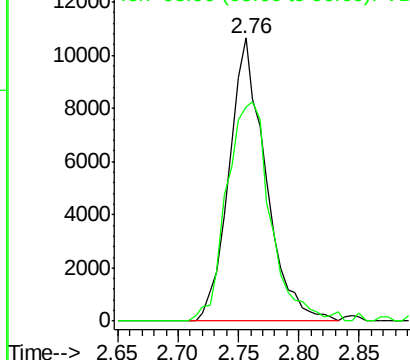
Ion Ratio Lower Upper

94 100

96 75.8 72.6 109.0



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



#6

Chloroethane

Concen: 21.236 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066316.D

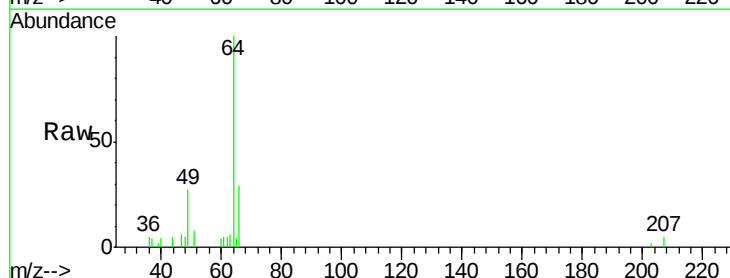
Acq: 19 Aug 2020 14:05

Tgt Ion: 64 Resp: 20375

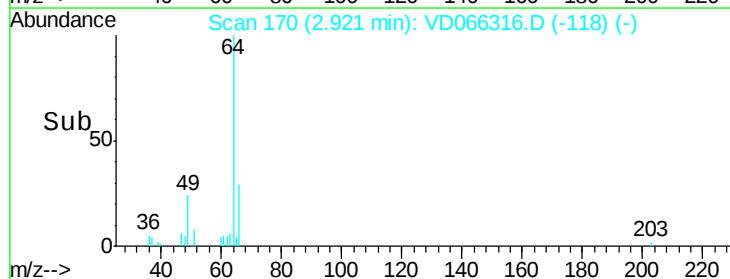
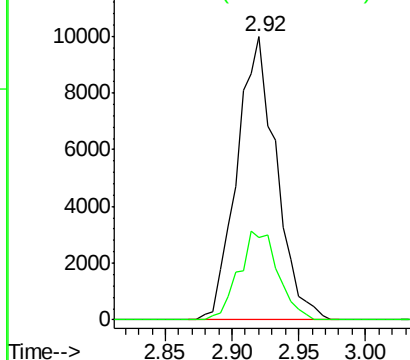
Ion Ratio Lower Upper

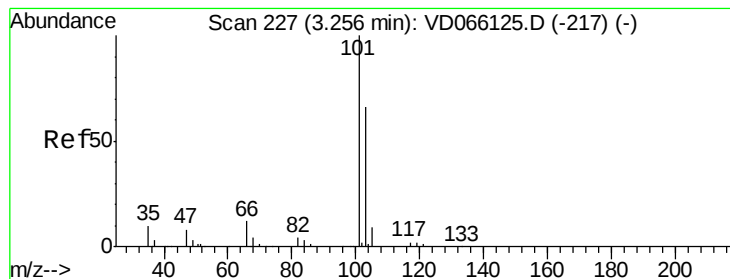
64 100

66 29.1 22.0 33.0



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





#7

Trichlorofluoromethane

Concen: 21.197 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

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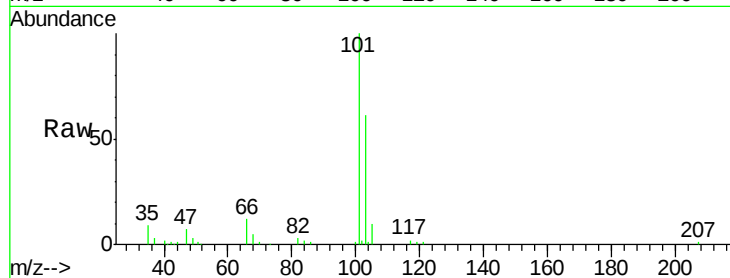
VD0819SBSD01

Tgt Ion:101 Resp: 86379

Ion Ratio Lower Upper

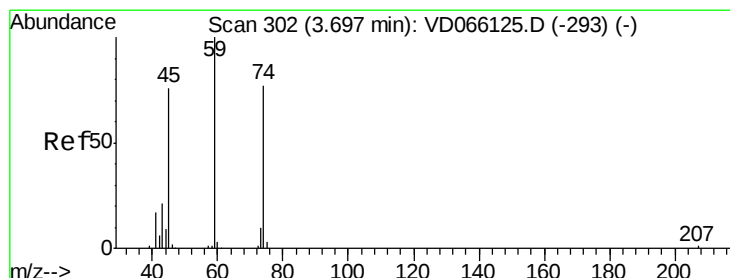
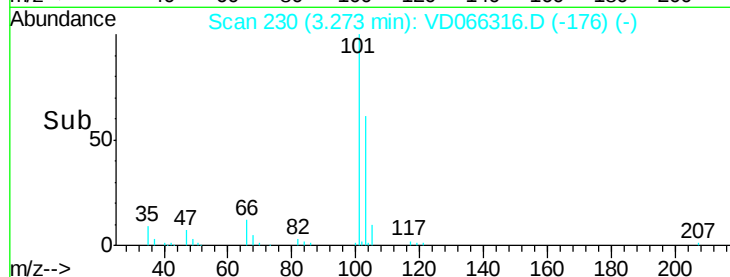
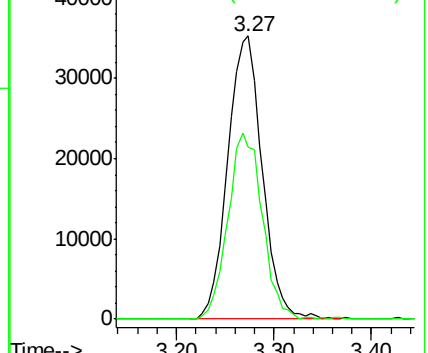
101 100

103 60.6 53.0 79.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.091 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066316.D

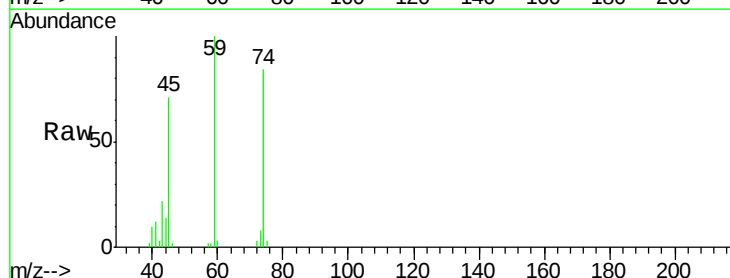
Acq: 19 Aug 2020 14:05

Tgt Ion: 74 Resp: 20801

Ion Ratio Lower Upper

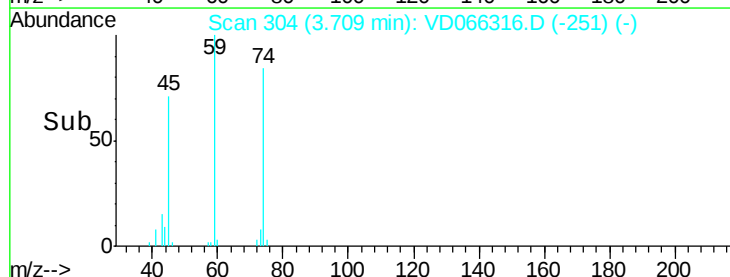
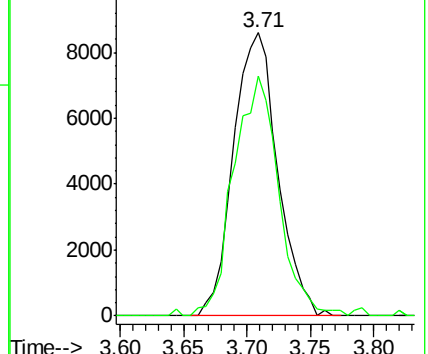
74 100

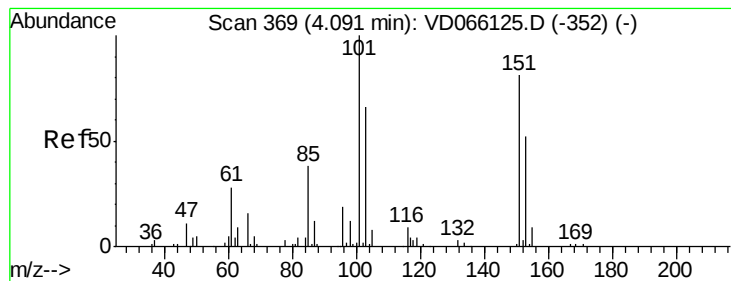
45 86.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.686 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

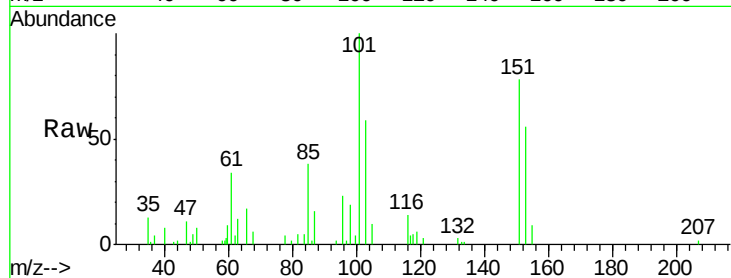
Tgt Ion:101 Resp: 47609

Ion Ratio Lower Upper

101 100

85 43.3 33.5 50.3

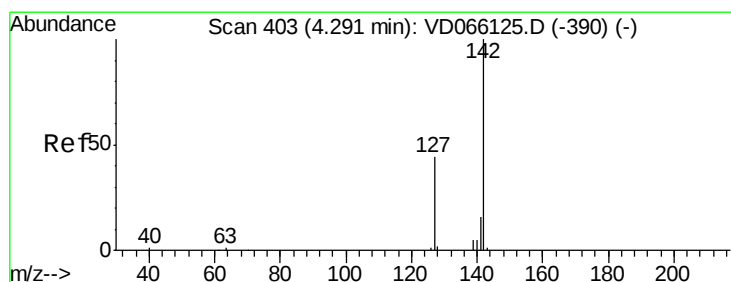
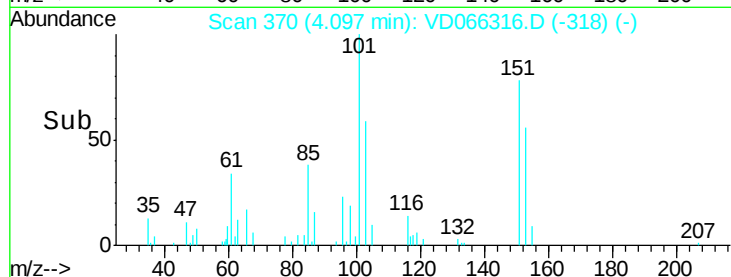
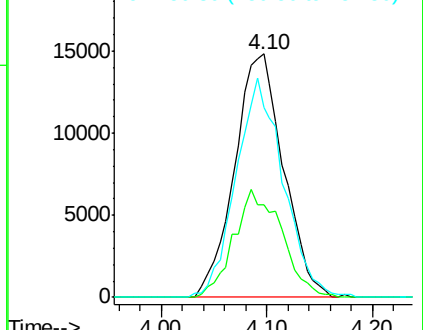
151 87.0 67.8 101.8



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: 25.650 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

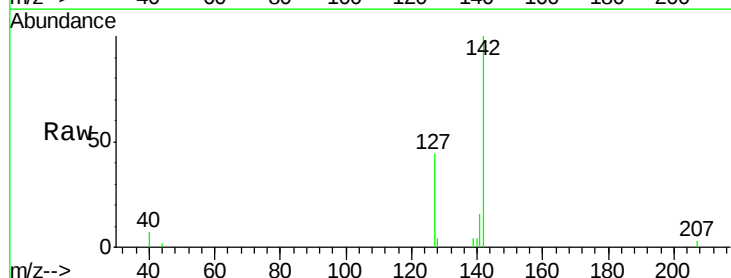
Tgt Ion:142 Resp: 48162

Ion Ratio Lower Upper

142 100

127 43.2 36.2 54.4

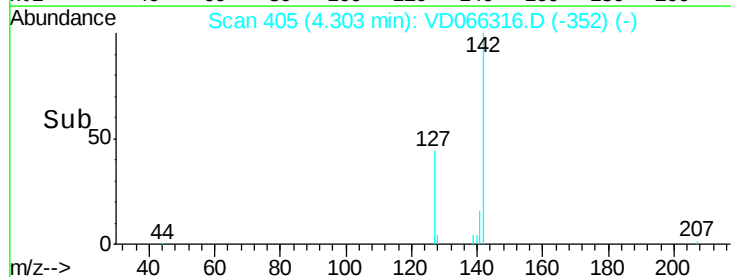
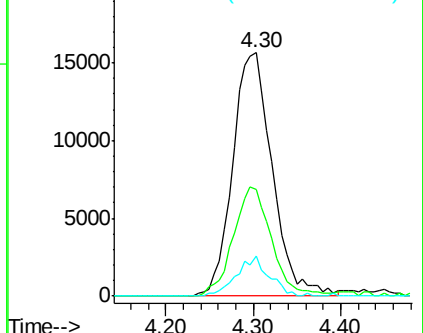
141 13.3 12.6 18.8



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: 20.839 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

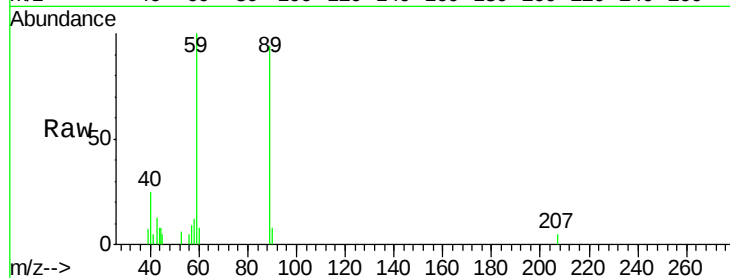
VD0819SBSD01

Tgt Ion: 59 Resp: 9552

Ion Ratio Lower Upper

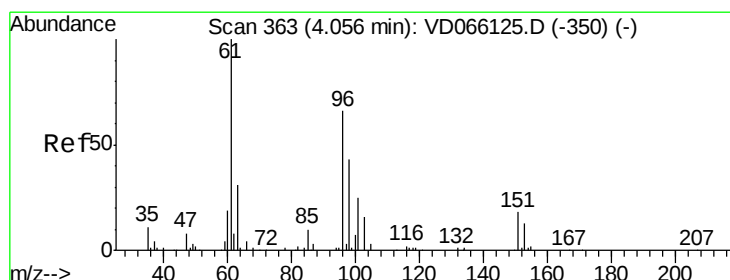
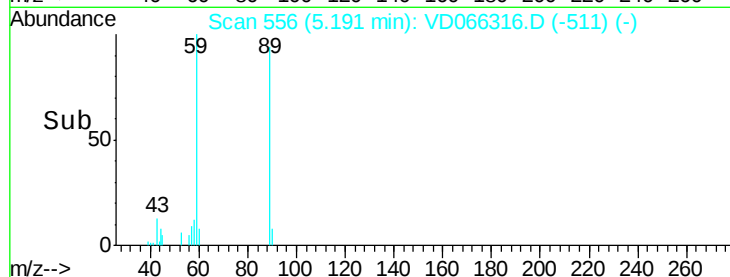
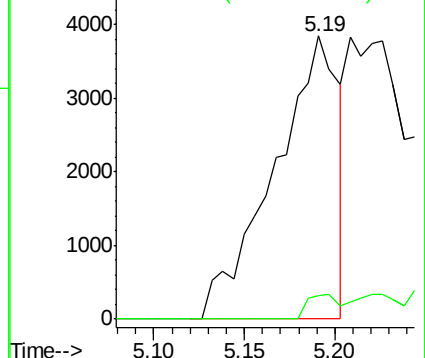
59 100

57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 18.610 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

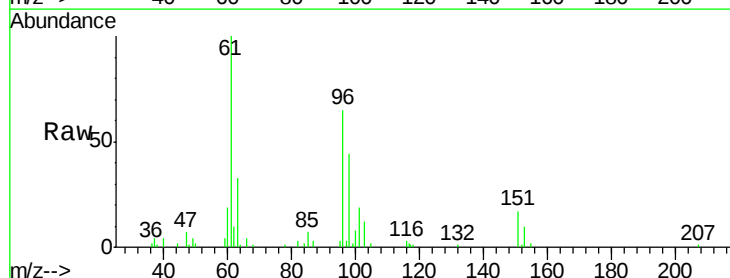
Tgt Ion: 96 Resp: 42456

Ion Ratio Lower Upper

96 100

61 153.9 121.6 182.4

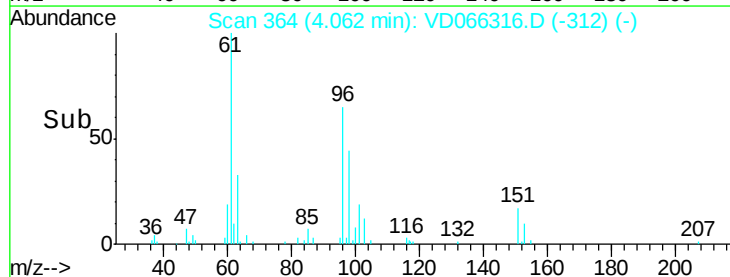
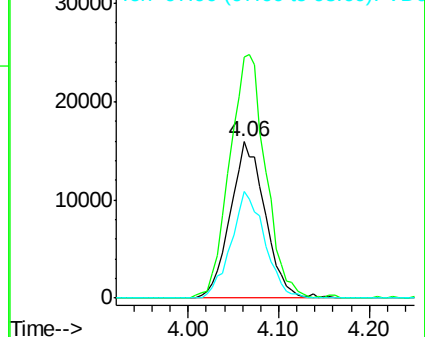
98 68.1 52.0 78.0

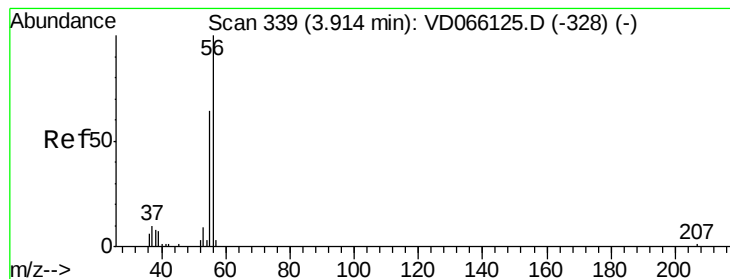


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 48.799 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

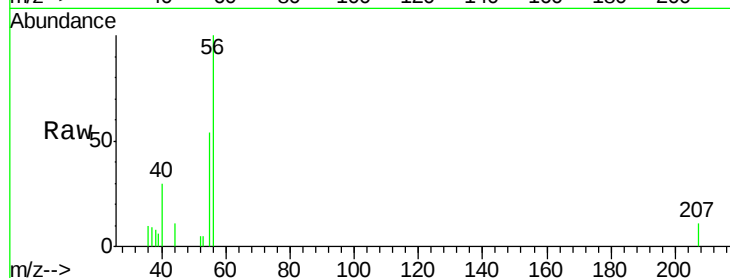
VD0819SBSD01

Tgt Ion: 56 Resp: 8927

Ion Ratio Lower Upper

56 100

55 73.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

4000

3000

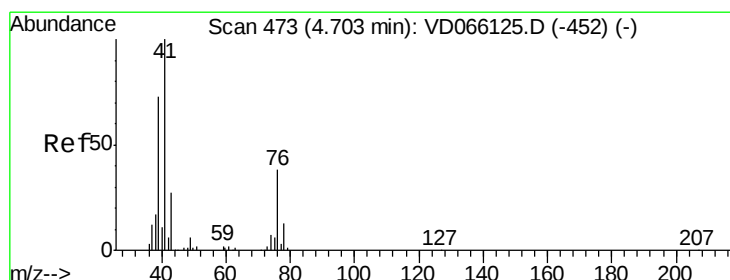
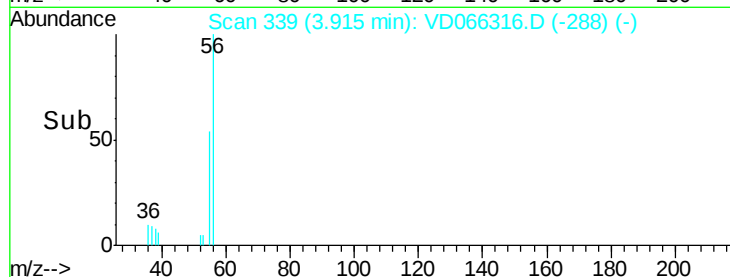
2000

1000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 17.239 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

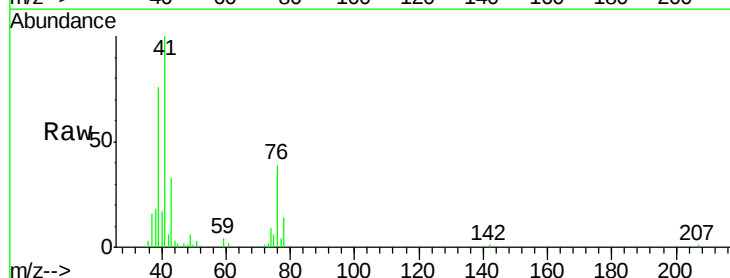
Tgt Ion: 41 Resp: 59583

Ion Ratio Lower Upper

41 100

39 80.7 57.4 86.0

76 40.9 30.1 45.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

25000

20000

15000

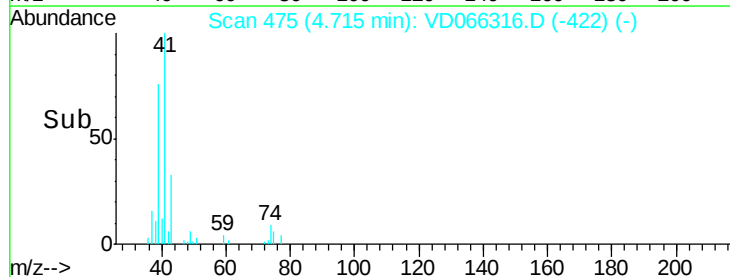
10000

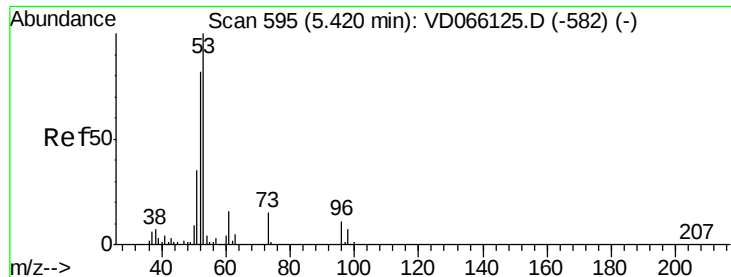
5000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 87.352 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

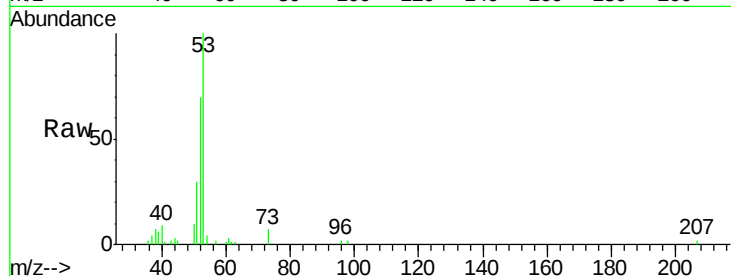
Tgt Ion: 53 Resp: 42324

Ion Ratio Lower Upper

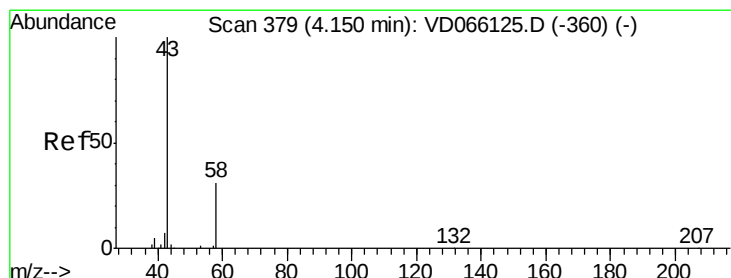
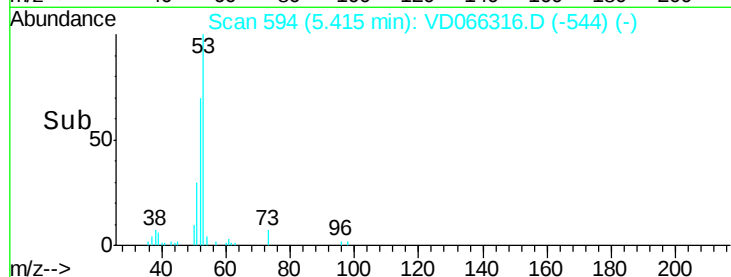
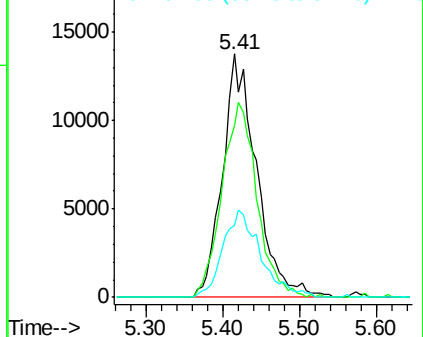
53 100

52 82.3 66.1 99.1

51 39.5 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: 101.580 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066316.D

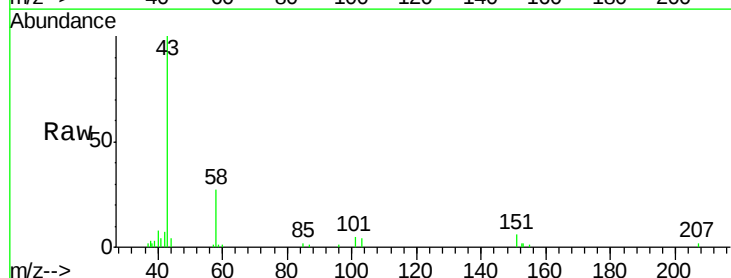
Acq: 19 Aug 2020 14:05

Tgt Ion: 43 Resp: 44296

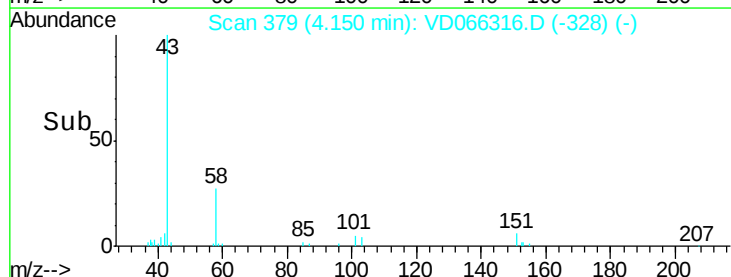
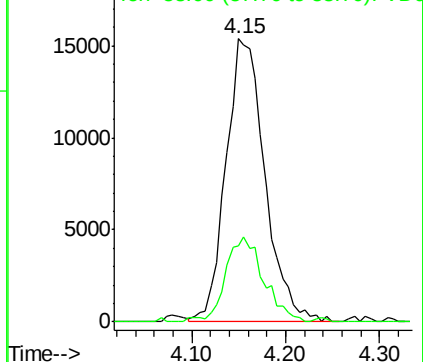
Ion Ratio Lower Upper

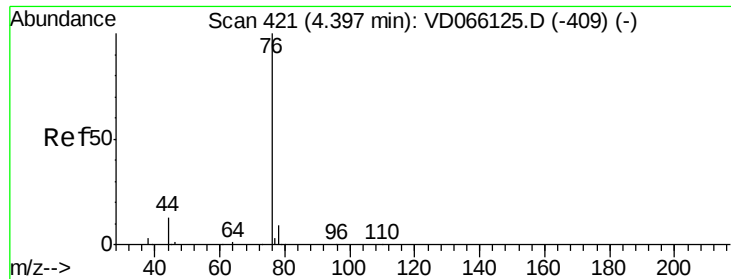
43 100

58 27.0 24.7 37.1



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

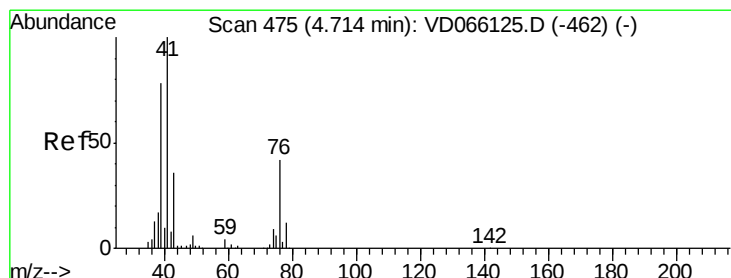
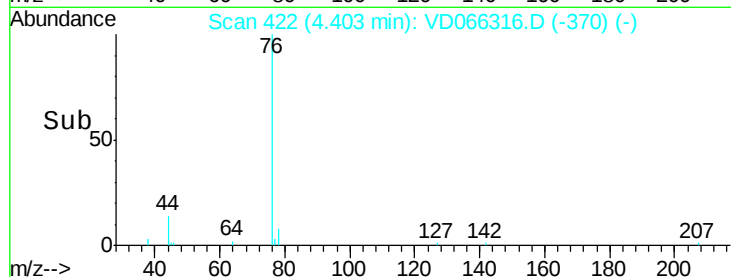
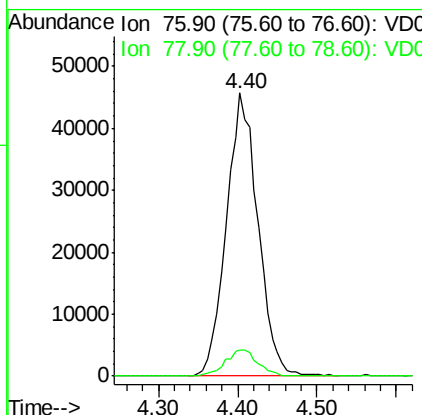
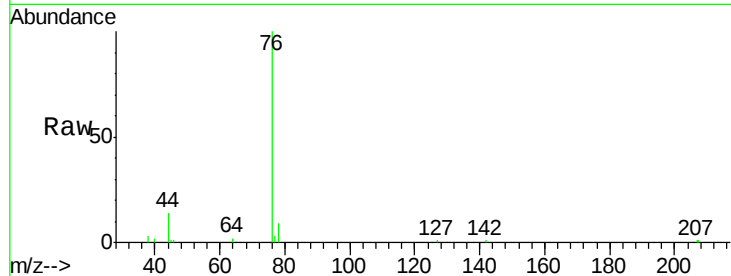




#17
Carbon Disulfide
Concen: 17.357 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

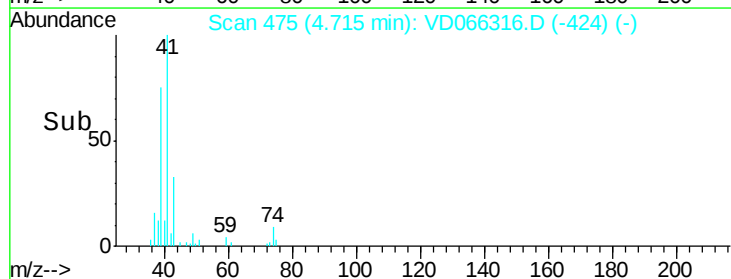
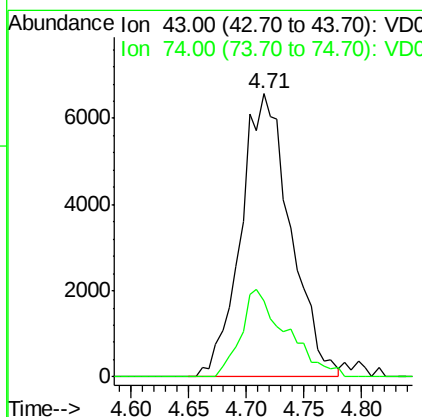
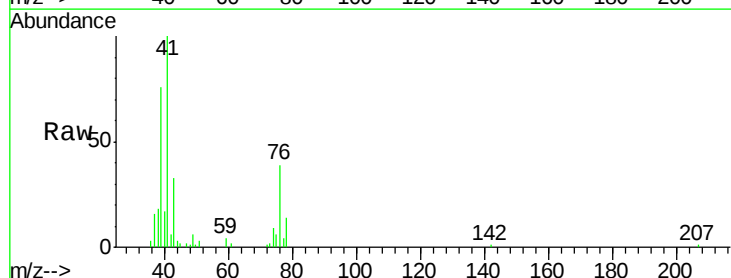
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

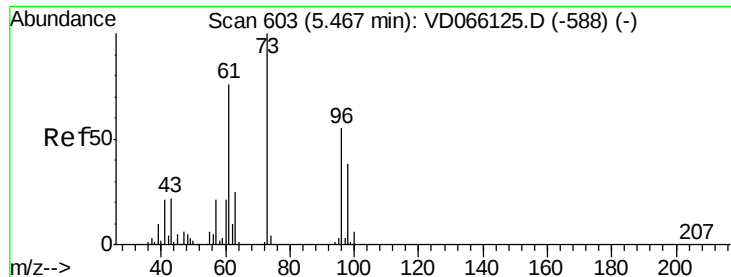
Tgt Ion: 76 Resp: 125901
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 17.780 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 43 Resp: 19694
Ion Ratio Lower Upper
43 100
74 28.3 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 17.992 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

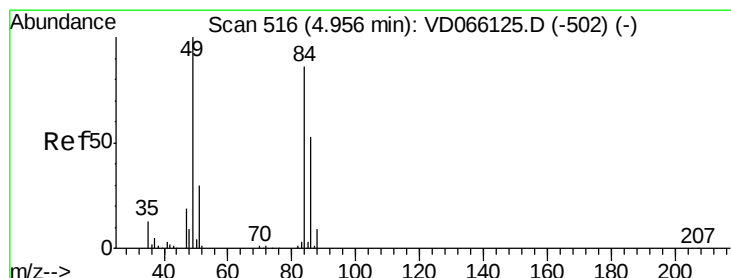
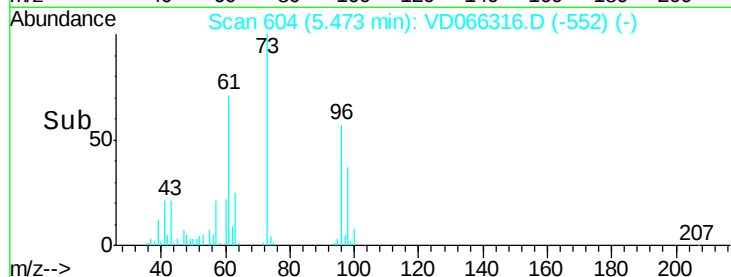
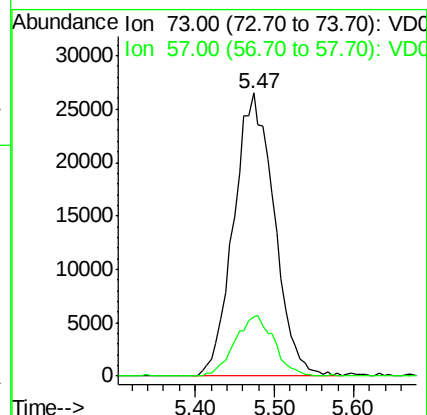
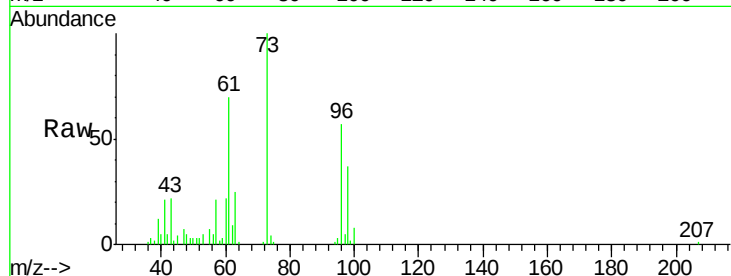
VD0819SBS01

Tgt Ion: 73 Resp: 94079

Ion Ratio Lower Upper

73 100

57 20.8 17.1 25.7



#20

Methylene Chloride

Concen: 21.642 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion: 84 Resp: 60823

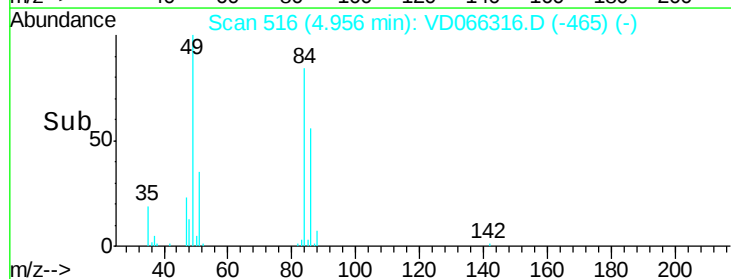
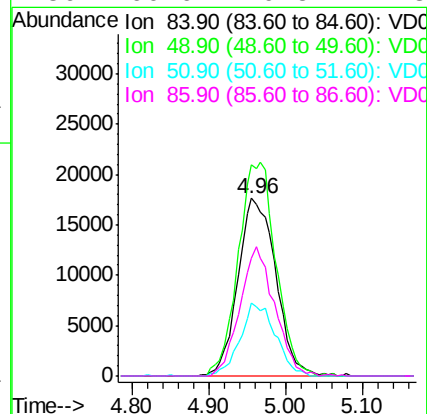
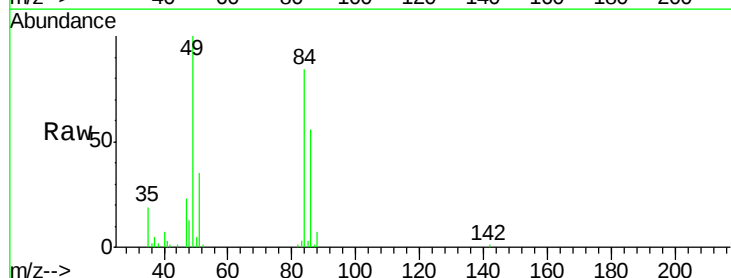
Ion Ratio Lower Upper

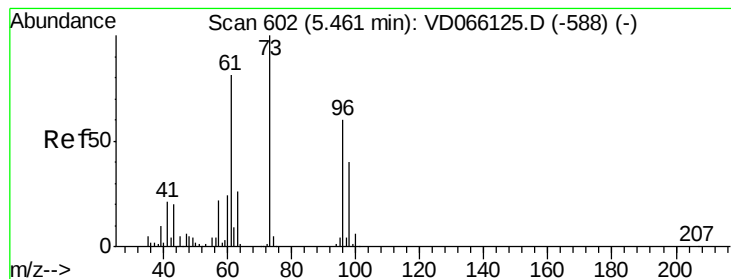
84 100

49 119.2 93.5 140.3

51 41.2 28.2 42.4

86 66.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 17.725 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

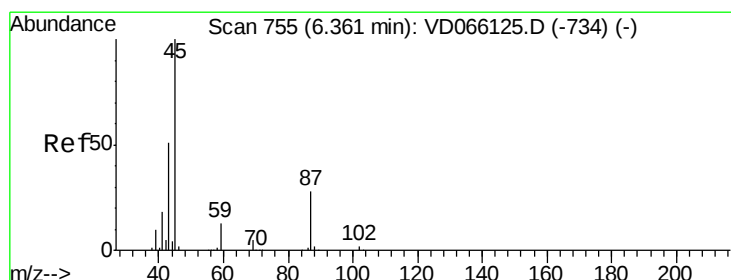
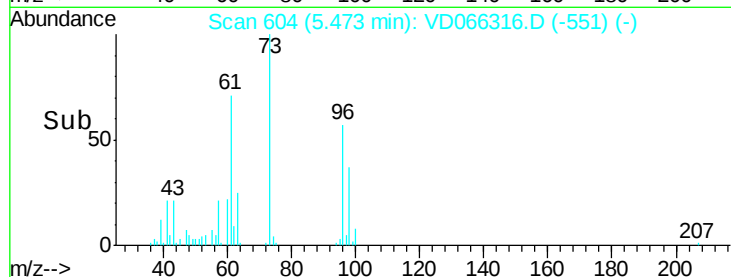
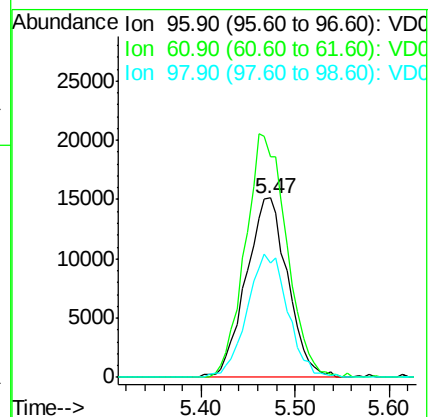
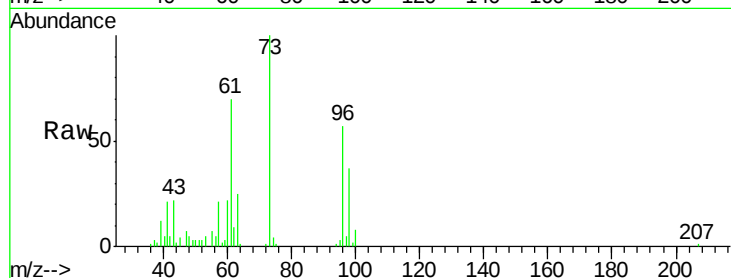
Tgt Ion: 96 Resp: 46454

Ion Ratio Lower Upper

96 100

61 123.3 106.9 160.3

98 64.1 53.4 80.0



#22

Diisopropyl ether

Concen: 17.012 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion: 45 Resp: 116275

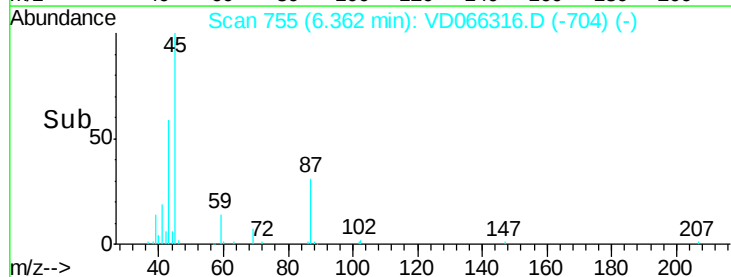
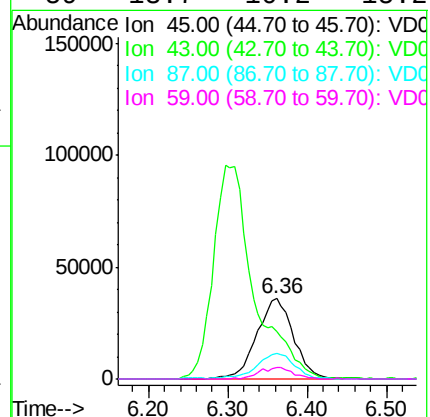
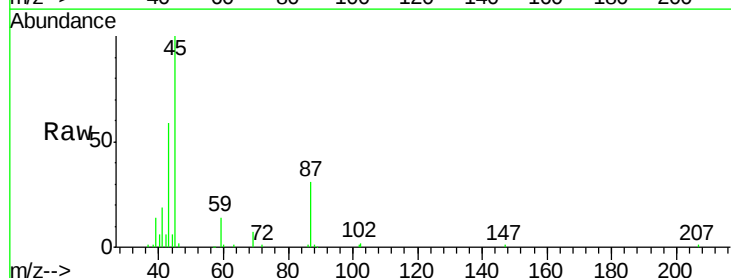
Ion Ratio Lower Upper

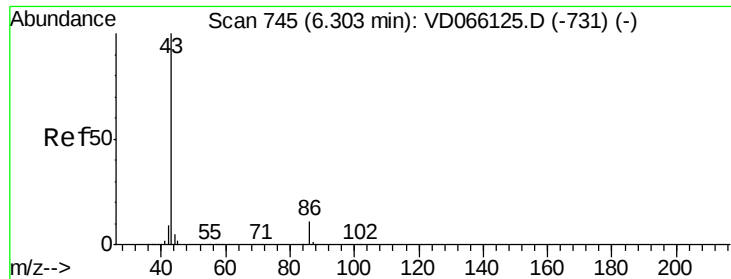
45 100

43 57.6 41.2 61.8

87 31.1 22.8 34.2

59 13.7 10.2 15.2

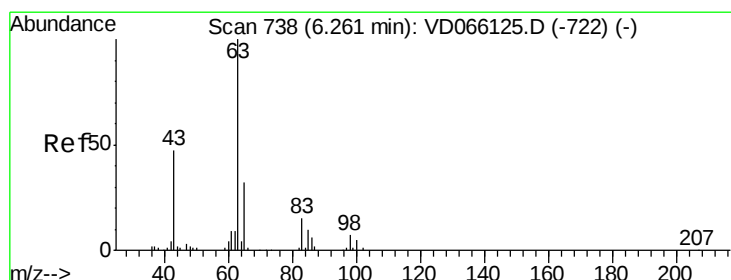
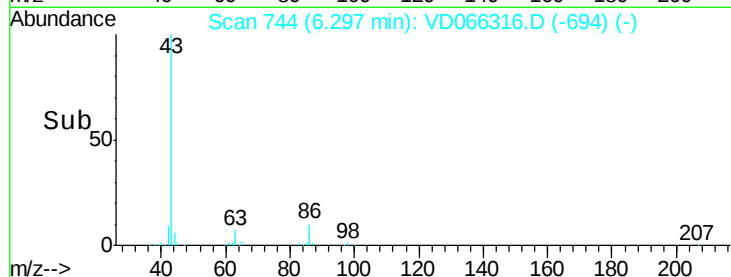
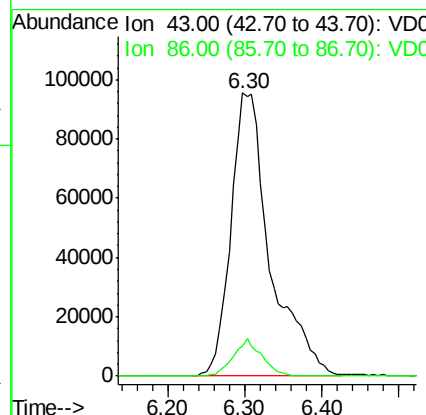
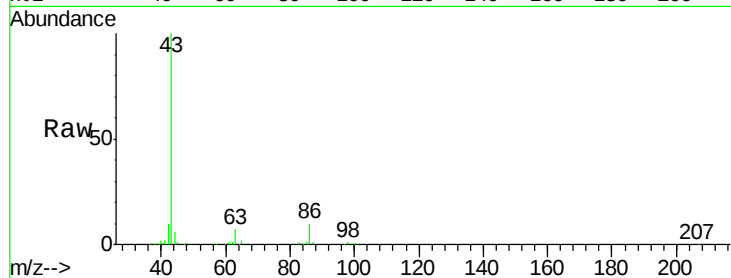




#23
 Vinyl Acetate
 Concen: 84.807 ug/l
 RT: 6.30 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

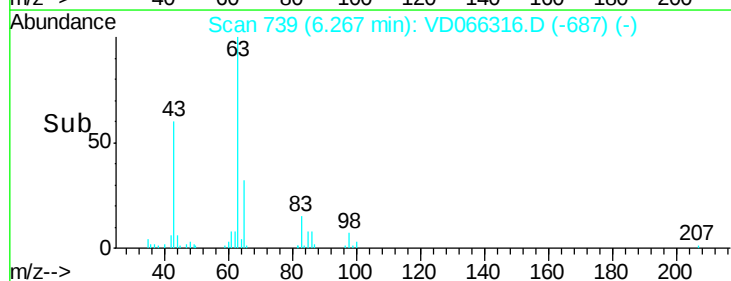
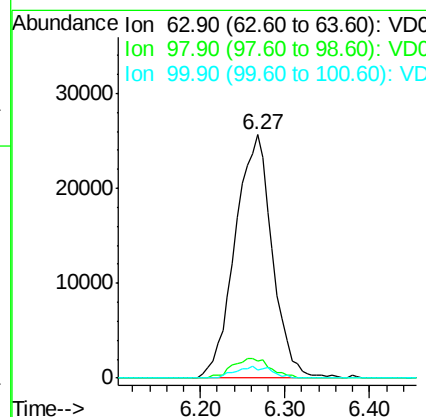
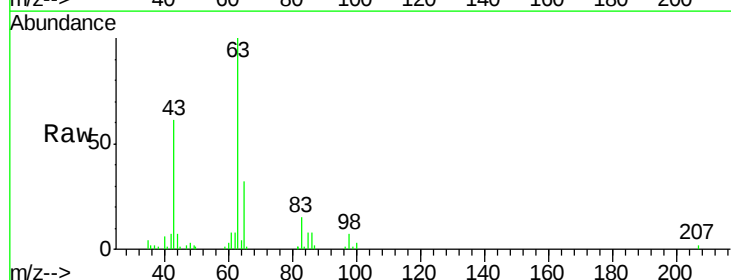
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

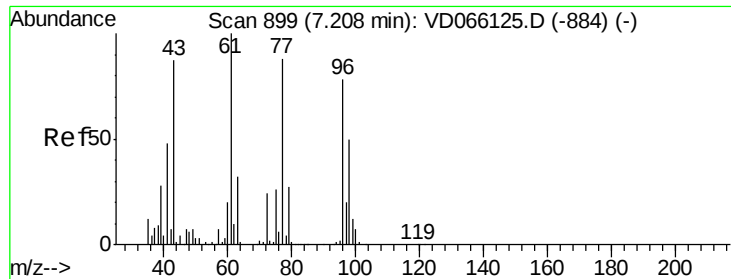
Tgt Ion: 43 Resp: 339575
 Ion Ratio Lower Upper
 43 100
 86 10.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 18.451 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 63 Resp: 78045
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 3.5 2.4 7.2





#25

2-Butanone

Concen: 88.826 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

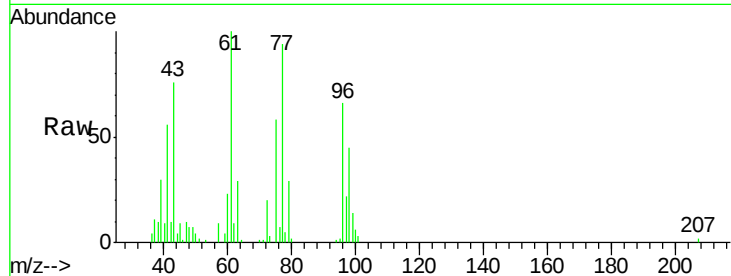
VD0819SBSD01

Tgt Ion: 43 Resp: 56971

Ion Ratio Lower Upper

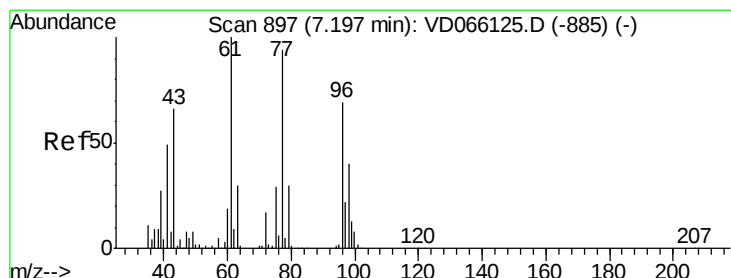
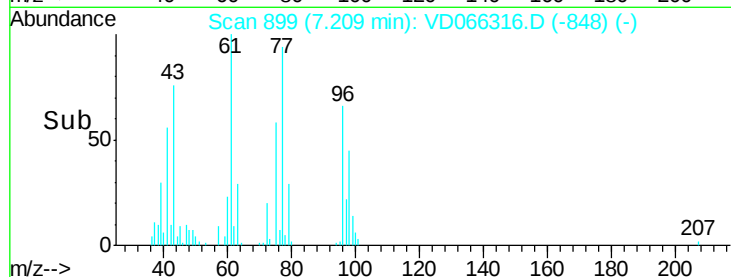
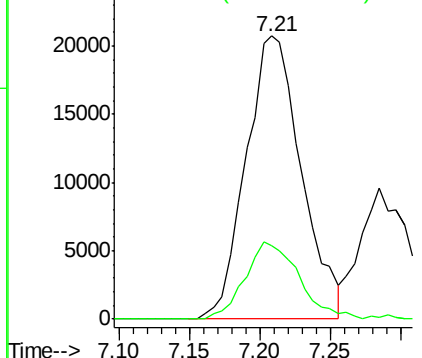
43 100

72 26.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.330 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066316.D

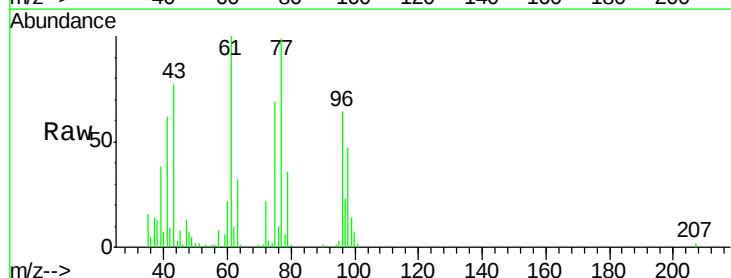
Acq: 19 Aug 2020 14:05

Tgt Ion: 77 Resp: 80864

Ion Ratio Lower Upper

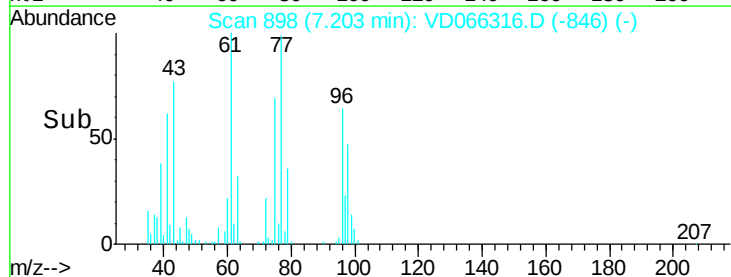
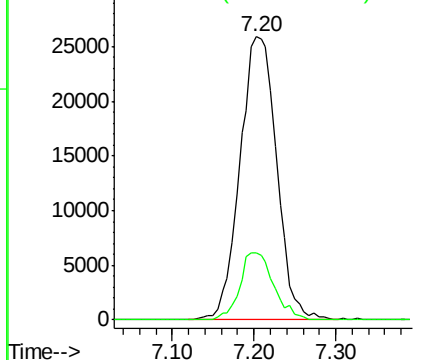
77 100

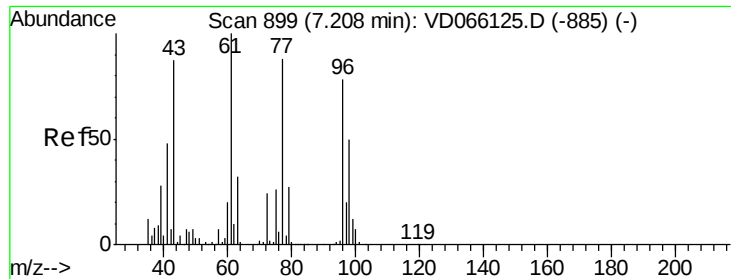
97 21.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



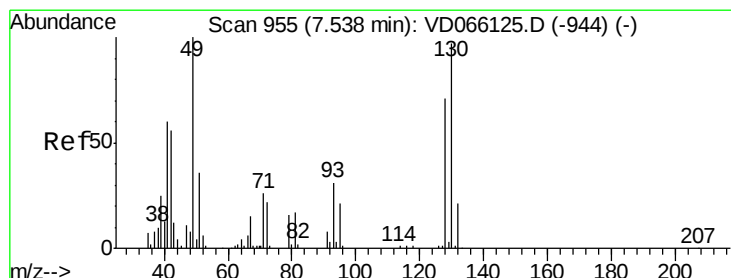
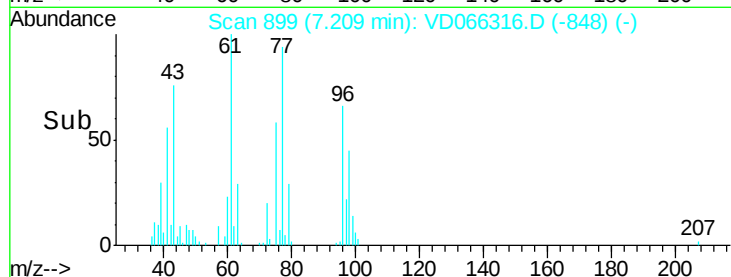
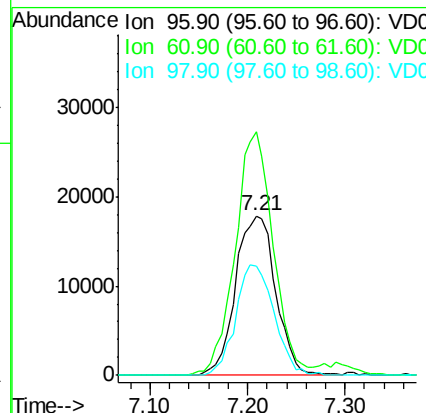
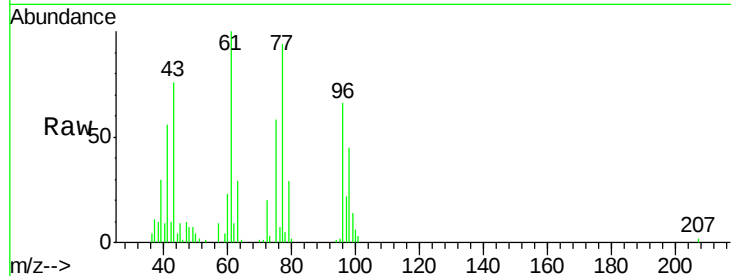


#27

cis-1,2-Dichloroethene
 Concen: 18.559 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

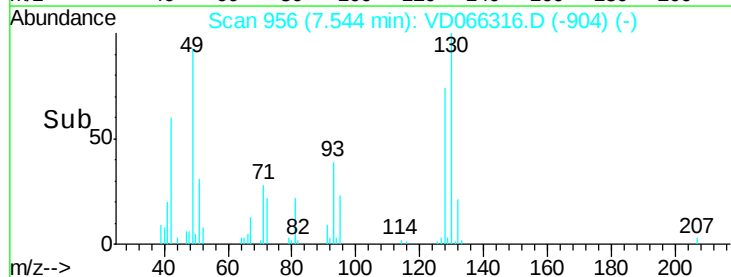
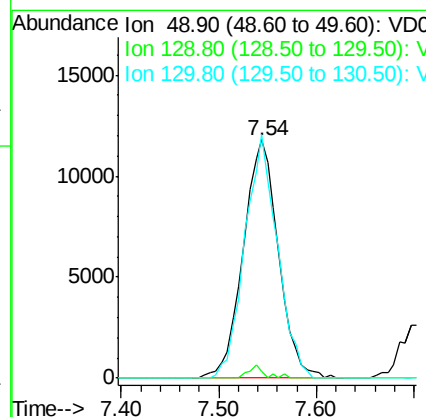
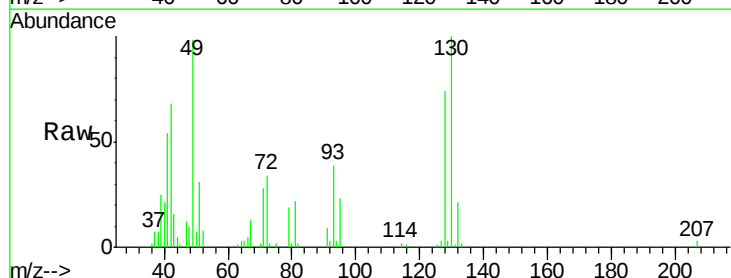
Tgt Ion: 96 Resp: 51016
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 281.6
 98 66.3 0.0 130.8

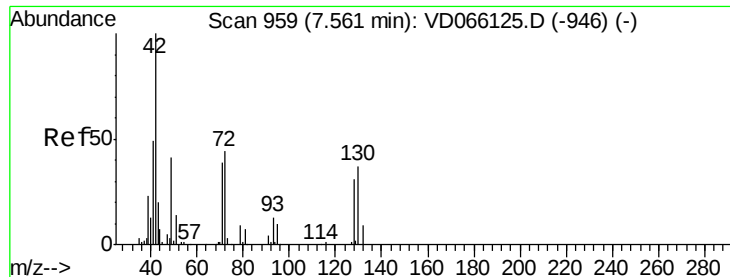


#28

Bromochloromethane
 Concen: 20.005 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 49 Resp: 29719
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.0
 130 94.5 73.8 110.6





#29

Tetrahydrofuran

Concen: 82.300 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

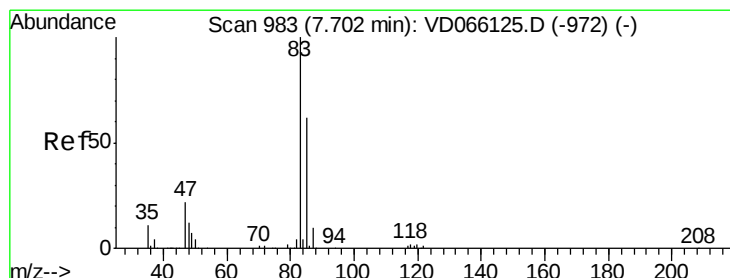
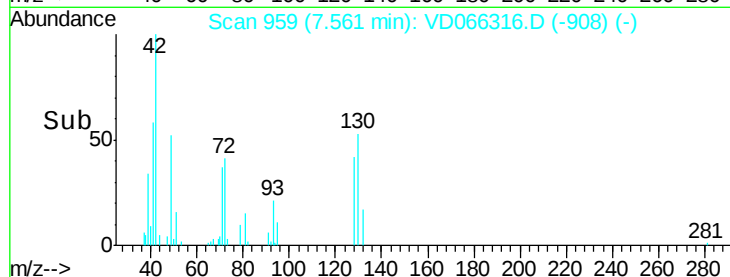
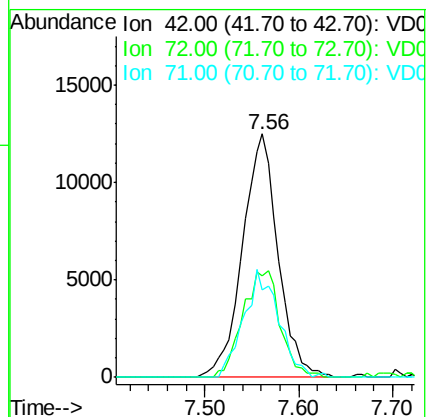
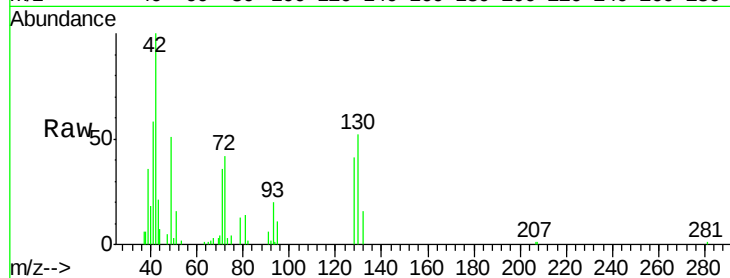
Tgt Ion: 42 Resp: 32704

Ion Ratio Lower Upper

42 100

72 46.2 34.8 52.2

71 43.4 33.5 50.3



#30

Chloroform

Concen: 19.535 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066316.D

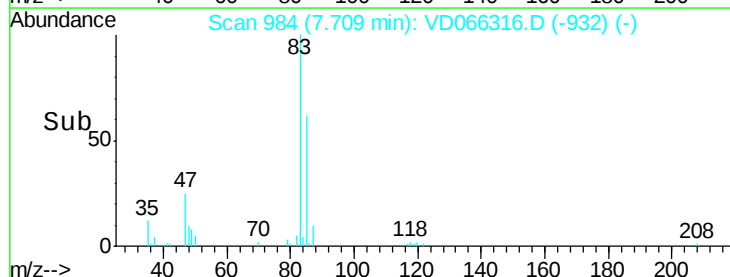
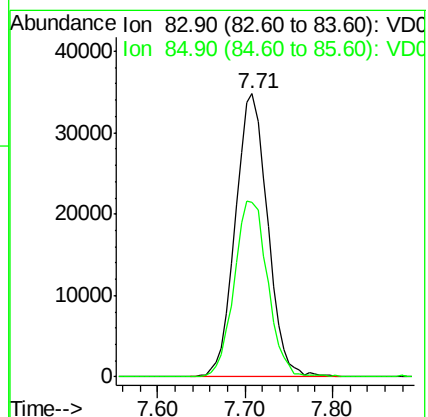
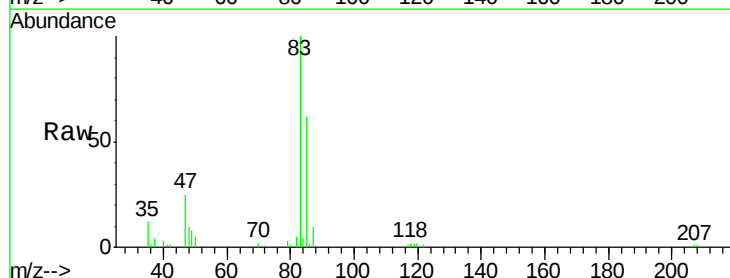
Acq: 19 Aug 2020 14:05

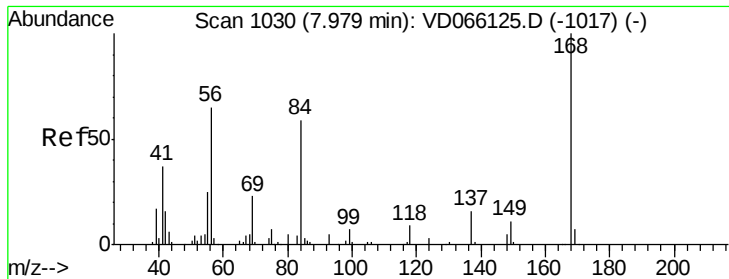
Tgt Ion: 83 Resp: 86761

Ion Ratio Lower Upper

83 100

85 61.5 49.5 74.3

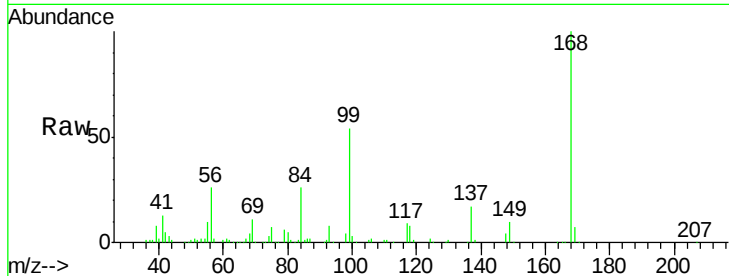




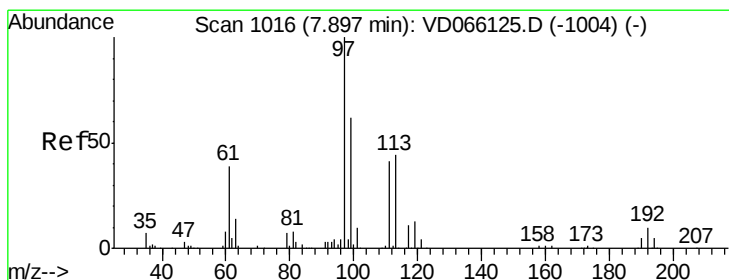
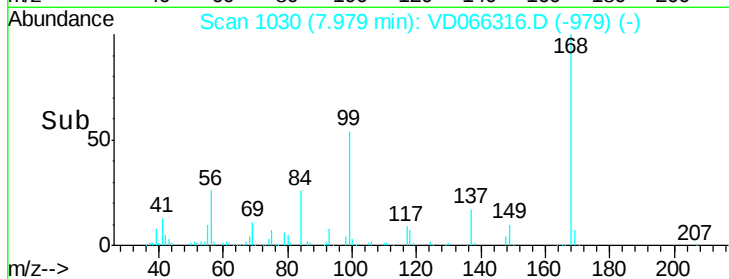
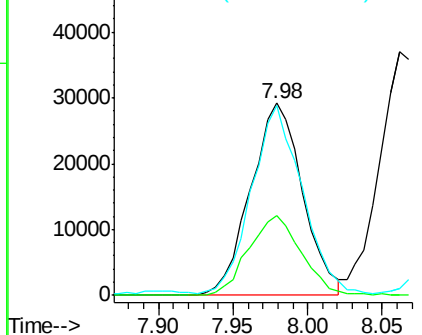
#31
Cyclohexane
Concen: 17.549 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tgt Ion: 56 Resp: 70659
Ion Ratio Lower Upper
56 100
69 41.7 28.8 43.2
84 97.1 73.0 109.6

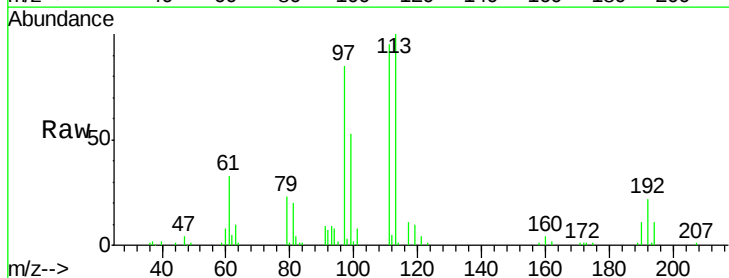


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

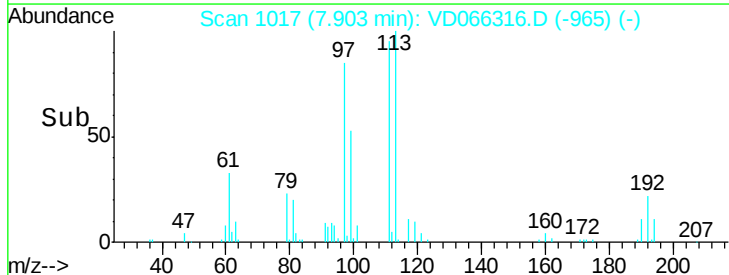
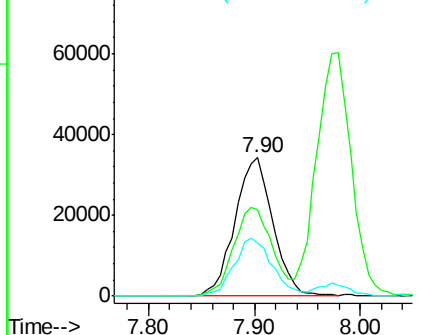


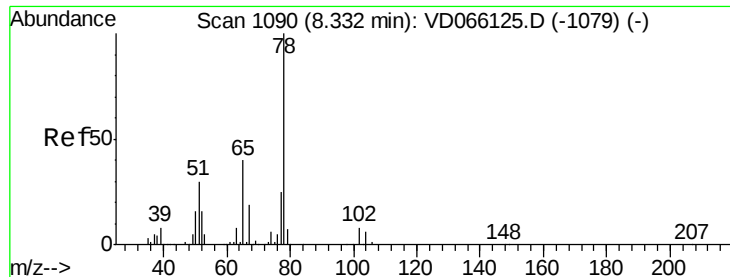
#32
1,1,1-Trichloroethane
Concen: 20.501 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 97 Resp: 85372
Ion Ratio Lower Upper
97 100
99 66.3 51.1 76.7
61 42.3 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

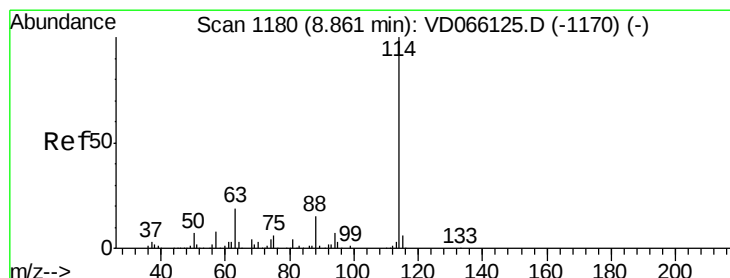
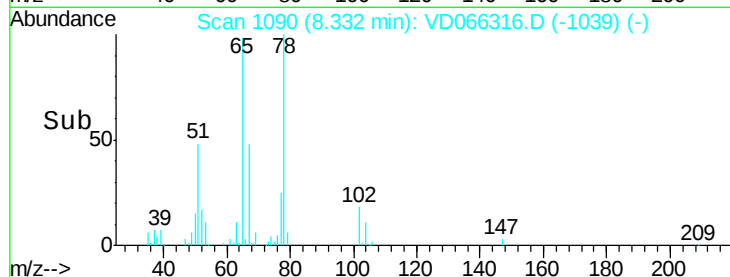
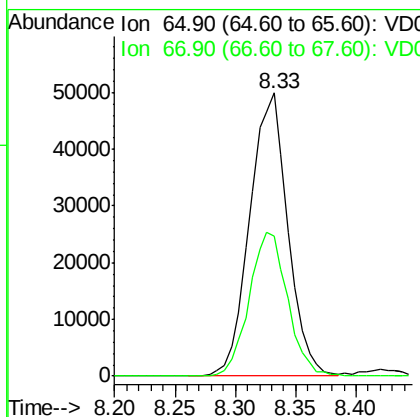
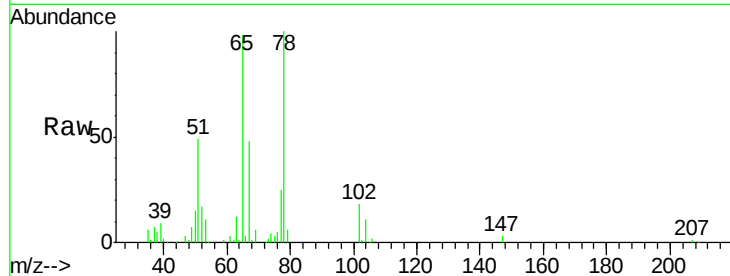




#33
 1,2-Dichloroethane-d4
 Concen: 47.878 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

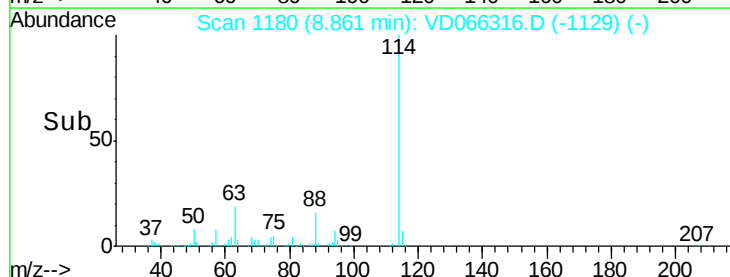
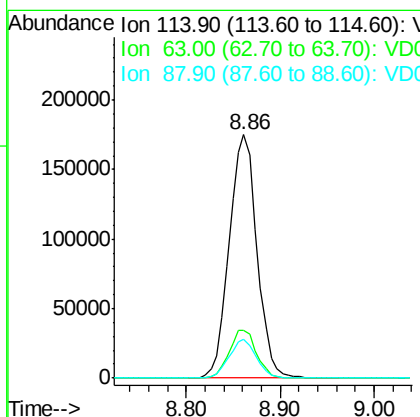
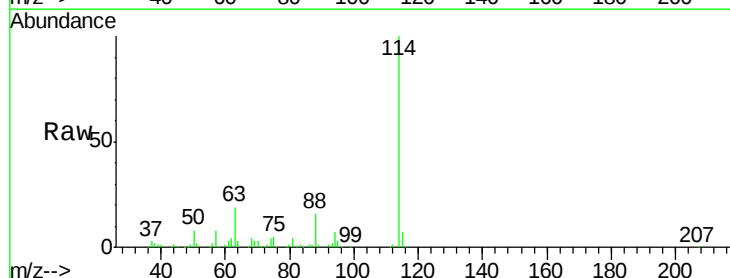
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

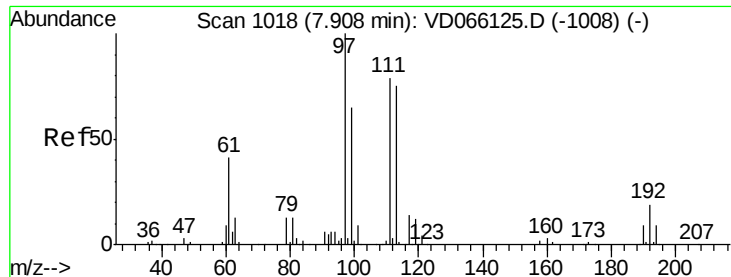
Tgt Ion: 65 Resp: 110034
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 114 Resp: 357749
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 16.2 0.0 30.0

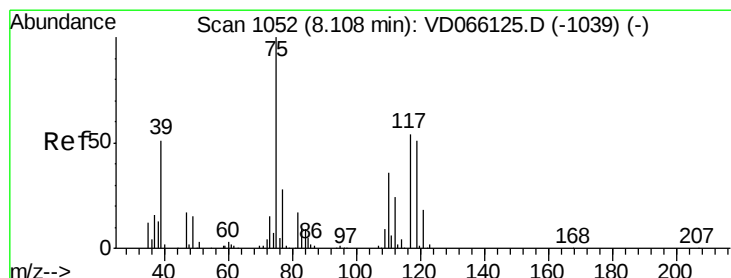
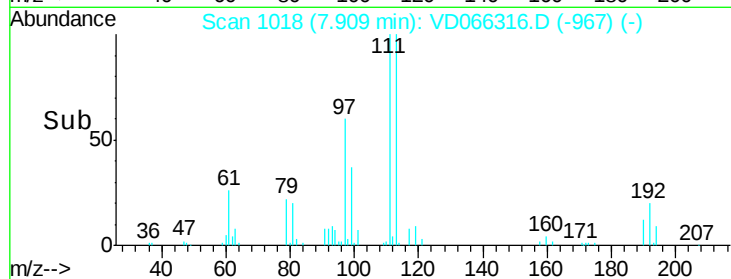
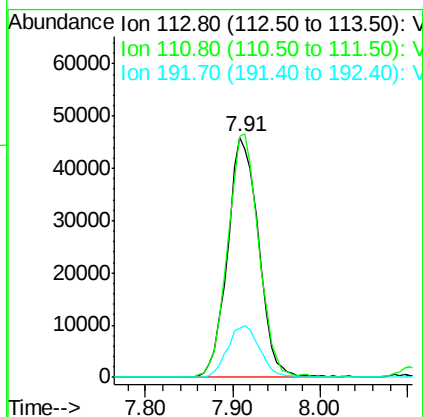
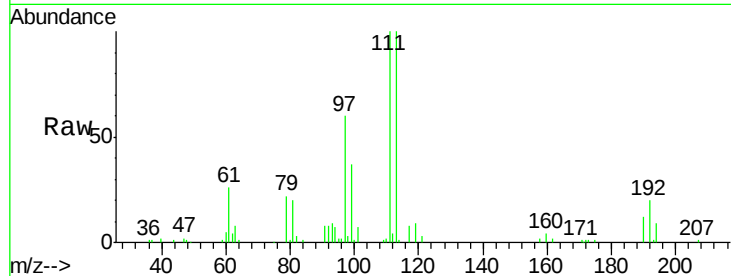




#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

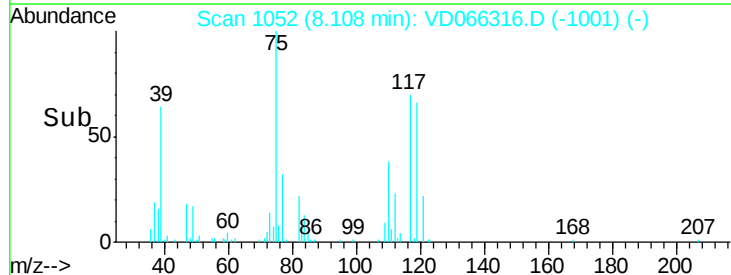
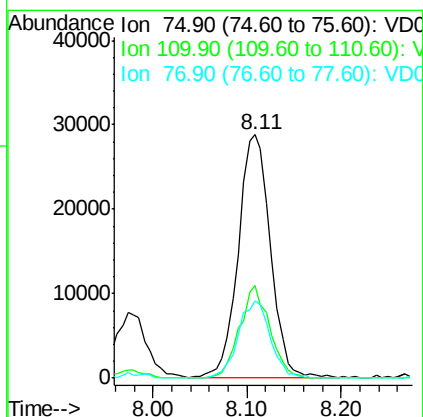
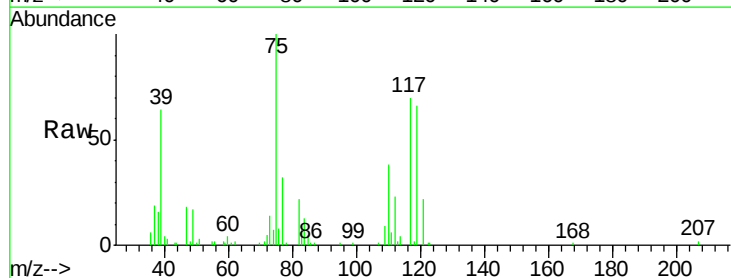
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tgt Ion: 113 Resp: 110591
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.7 121.1
 192 22.2 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 20.388 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 75 Resp: 68541
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.8 56.3
 77 31.5 24.2 36.2

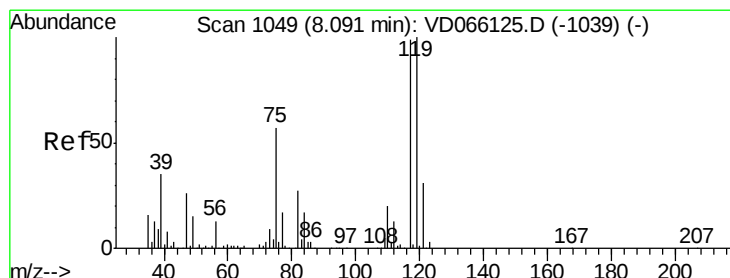
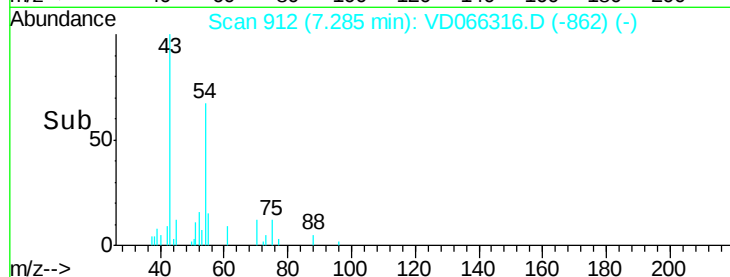
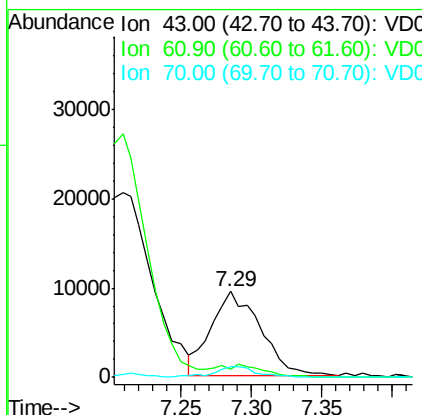
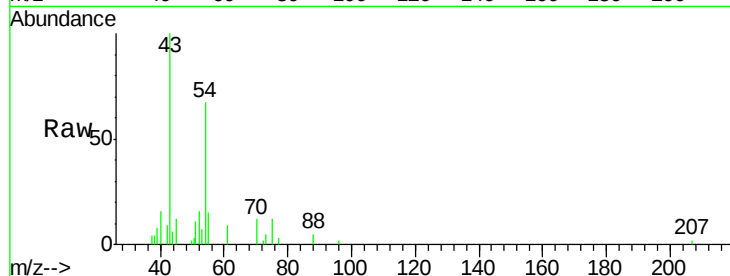




#37
Ethyl Acetate
Concen: 17.295 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

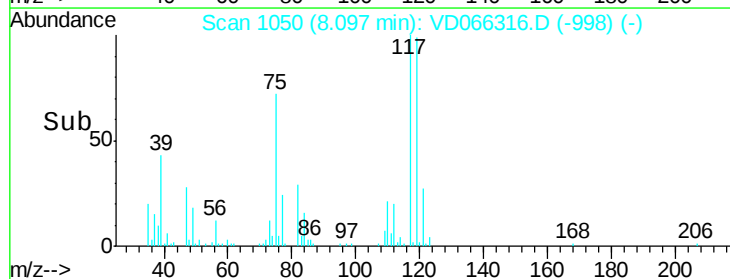
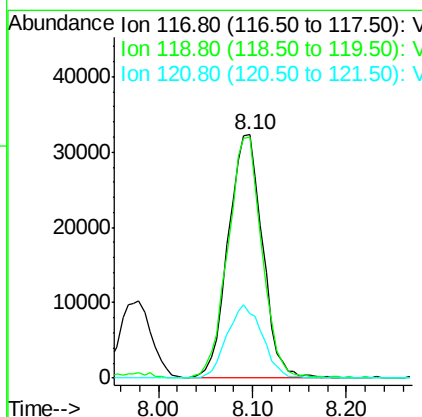
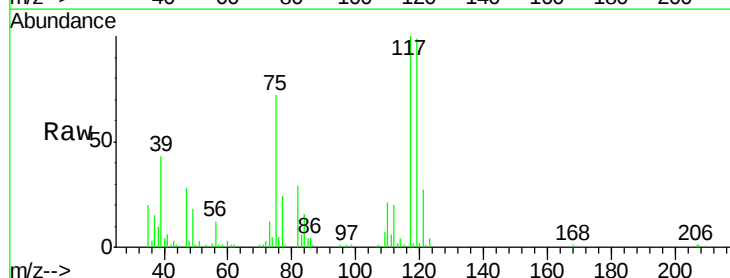
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

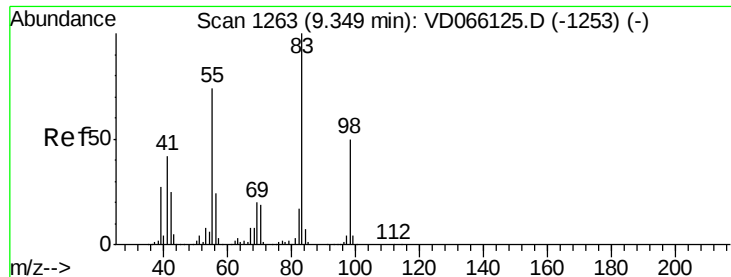
Tgt Ion: 43 Resp: 23036
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 11.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 21.816 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 117 Resp: 81785
Ion Ratio Lower Upper
117 100
119 98.8 81.0 121.4
121 26.5 24.8 37.2

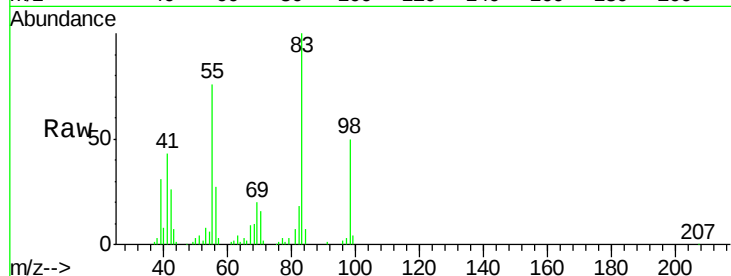




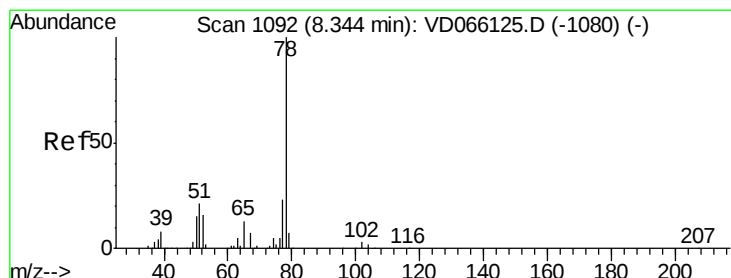
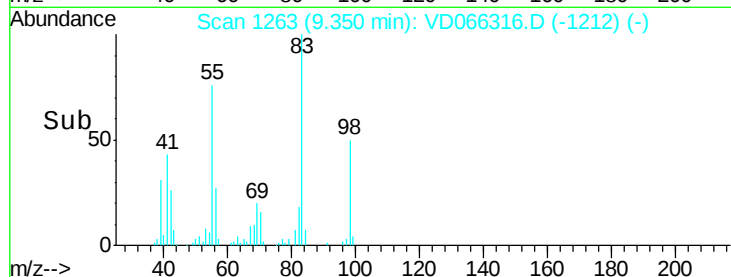
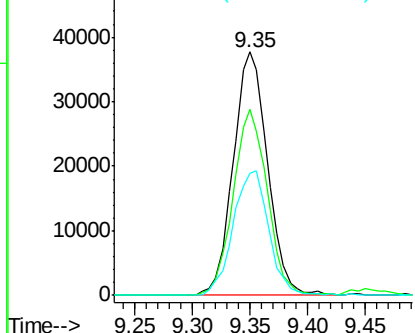
#39
Methylcyclohexane
Concen: 19.159 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion: 83 Resp: 77857
Ion Ratio Lower Upper
83 100
55 76.3 59.2 88.8
98 50.2 39.8 59.6

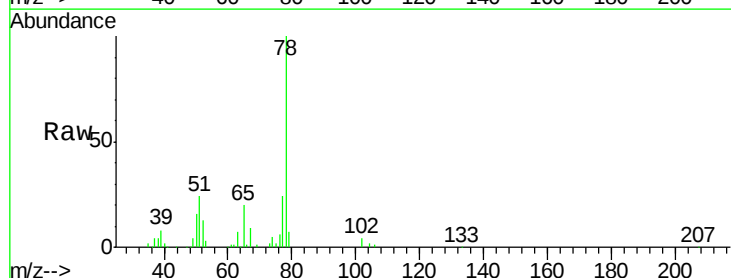


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

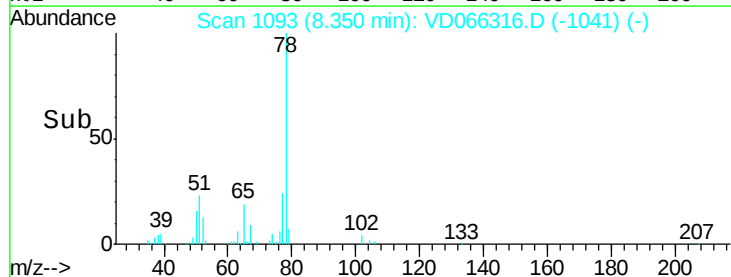
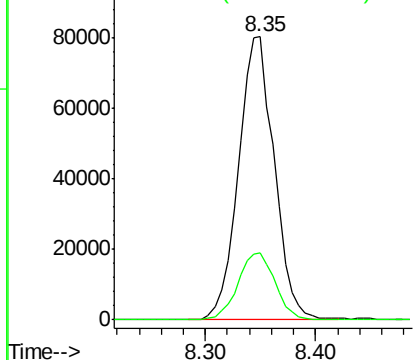


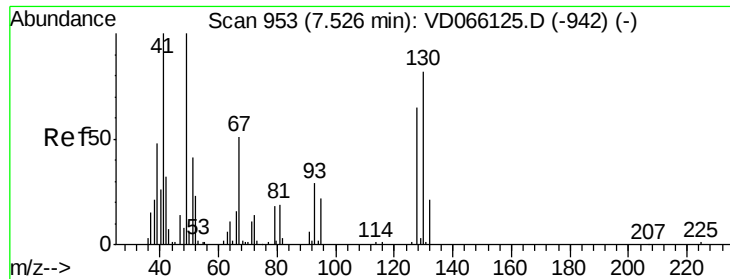
#40
Benzene
Concen: 19.576 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 78 Resp: 182563
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8



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

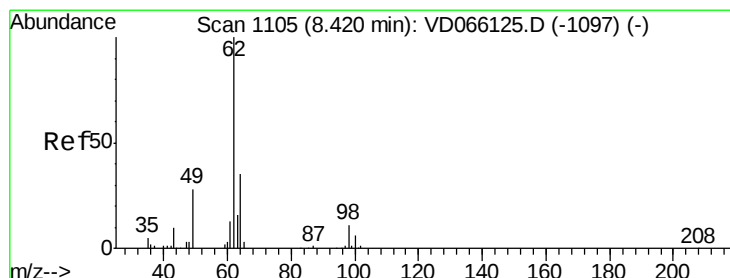
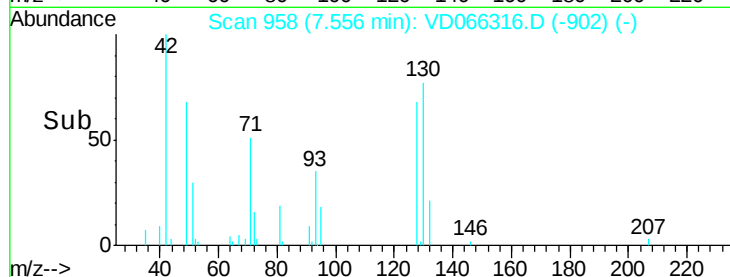
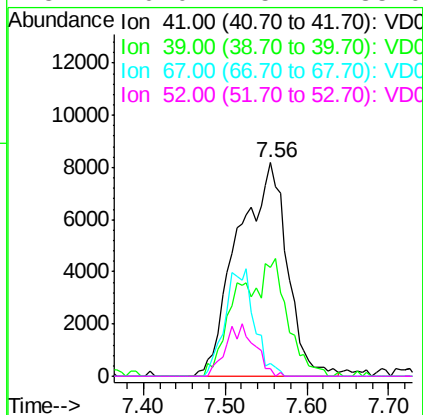
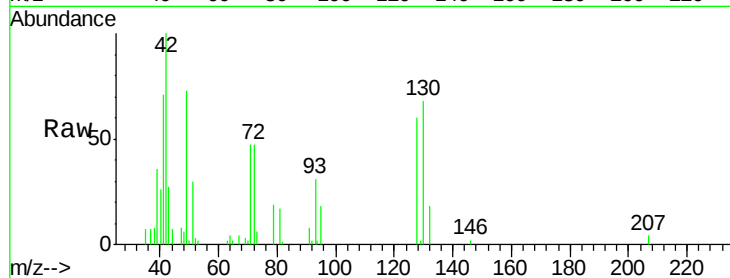




#41
Methacrylonitrile
Concen: 43.994 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

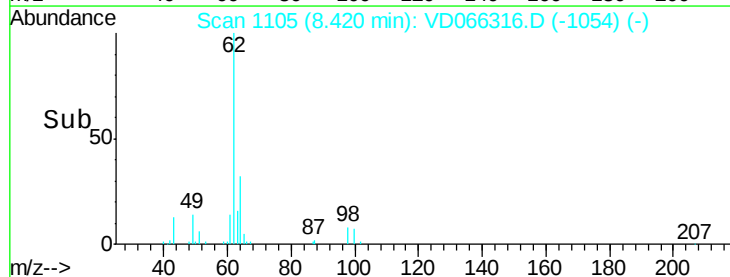
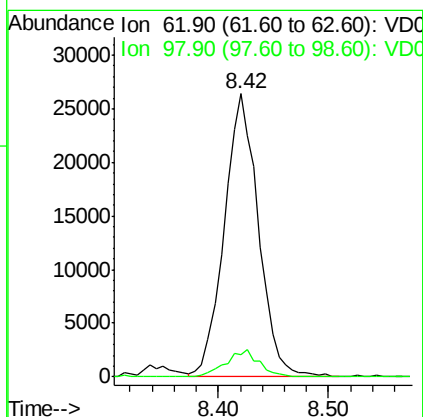
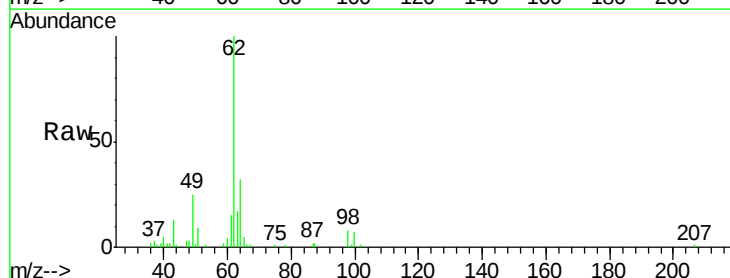
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

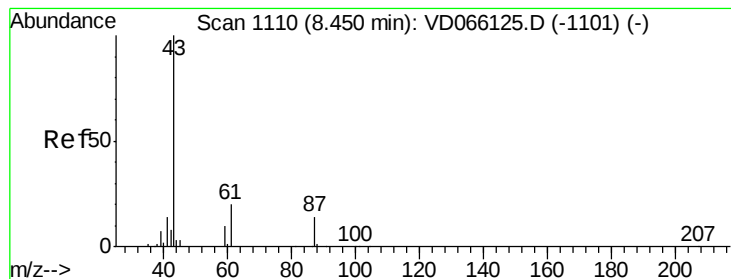
Tgt Ion:	41	Resp:	34454
Ion	Ratio	Lower	Upper
41	100		
39	25.7	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#



#42
1,2-Dichloroethane
Concen: 20.909 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:	62	Resp:	57284
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 17.963 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

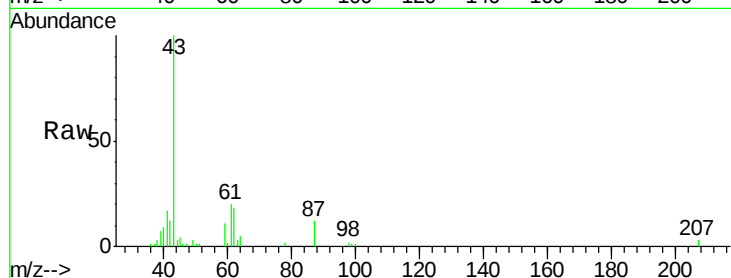
Tgt Ion: 43 Resp: 47142

Ion Ratio Lower Upper

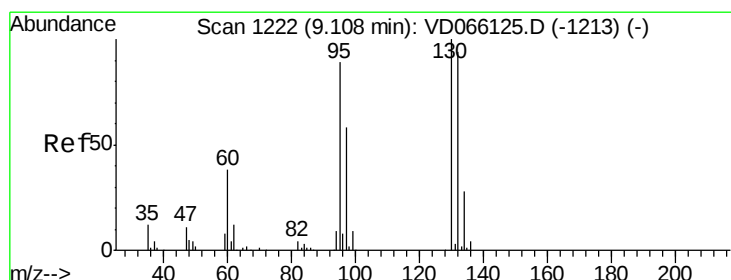
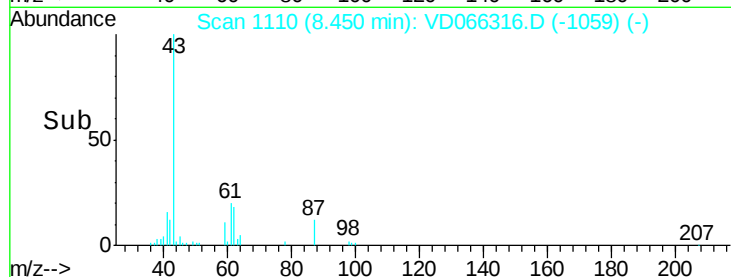
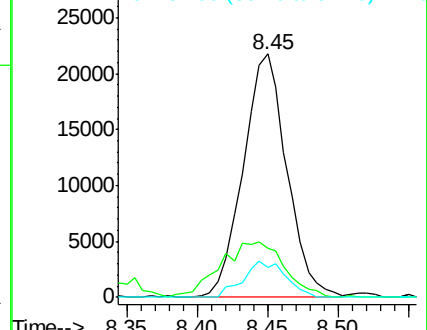
43 100

61 33.3 25.5 38.3

87 14.5 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.901 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066316.D

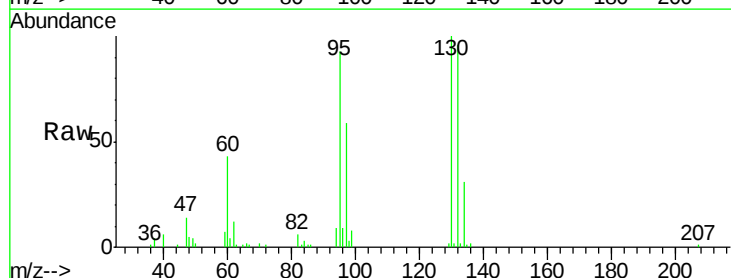
Acq: 19 Aug 2020 14:05

Tgt Ion: 130 Resp: 58737

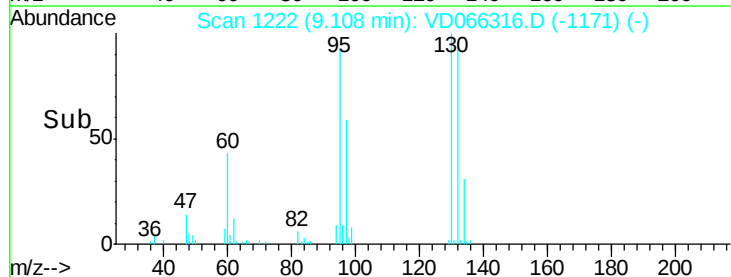
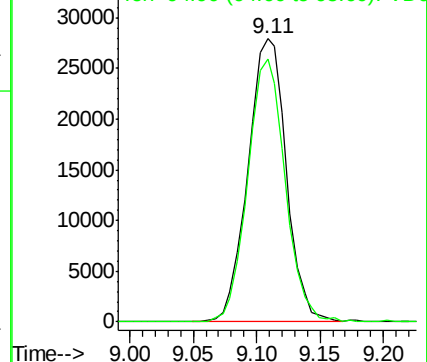
Ion Ratio Lower Upper

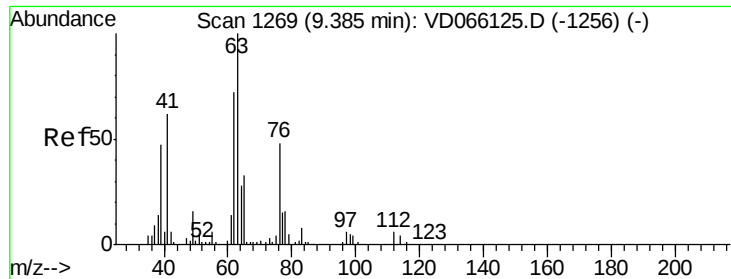
130 100

95 92.8 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.517 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

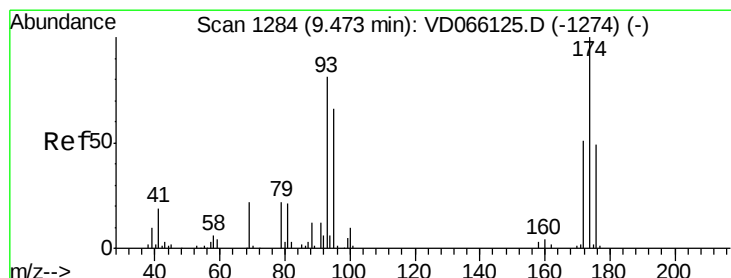
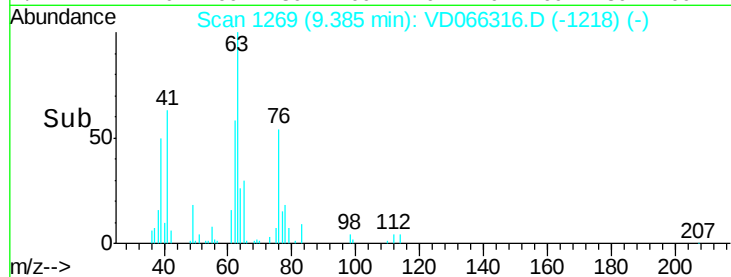
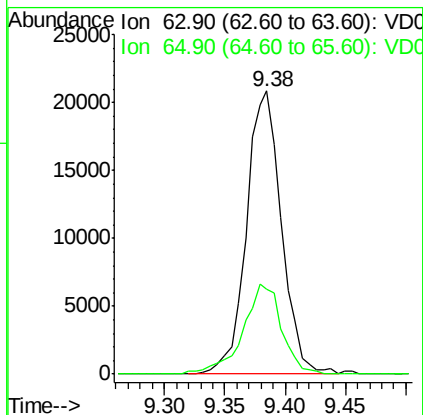
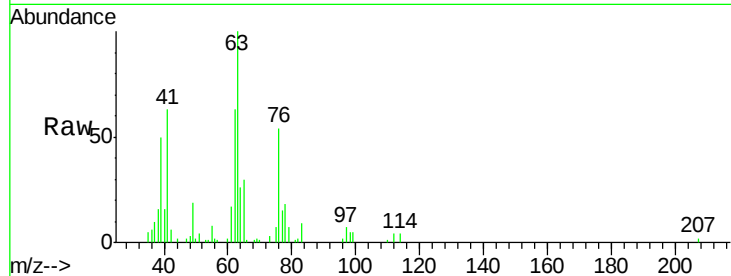
VD0819SBSD01

Tgt Ion: 63 Resp: 42235

Ion Ratio Lower Upper

63 100

65 30.2 26.5 39.7



#46

Dibromomethane

Concen: 19.371 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

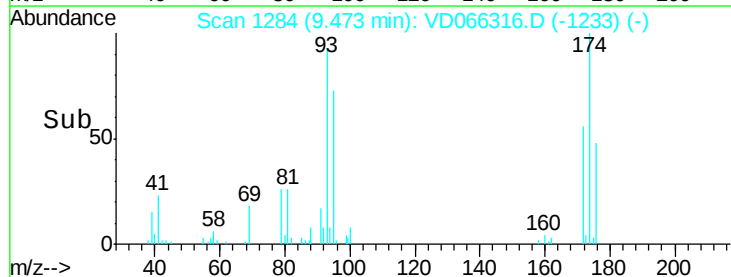
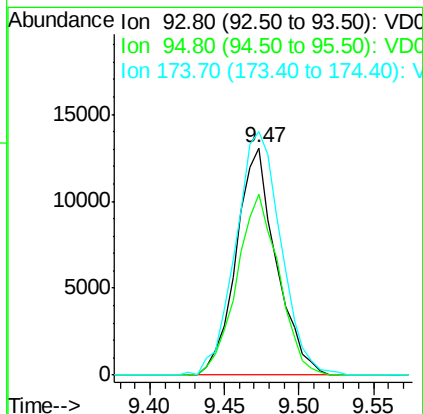
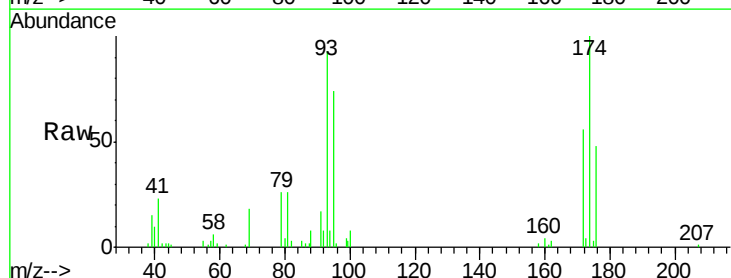
Tgt Ion: 93 Resp: 24337

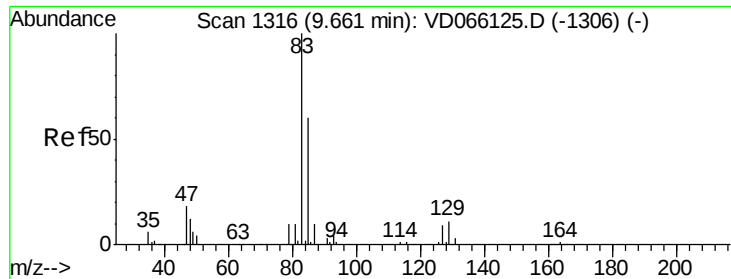
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.6

174 121.4 92.8 139.2

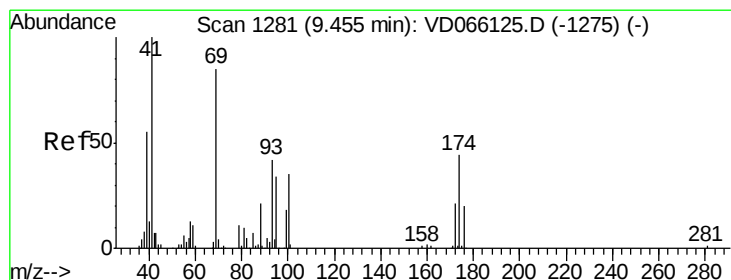
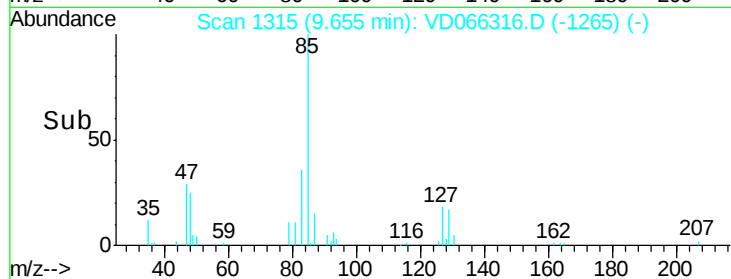
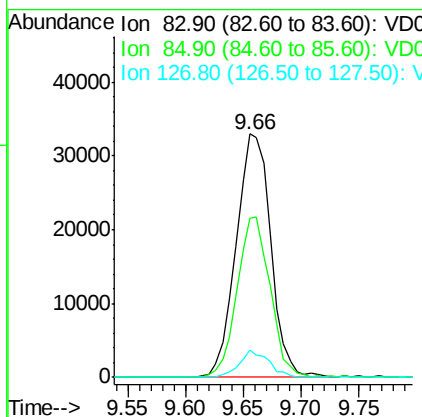
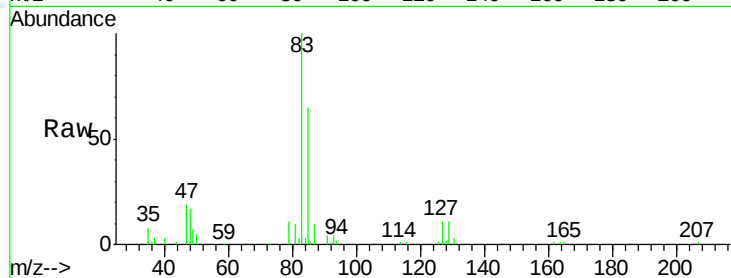




#47
 Bromodichloromethane
 Concen: 20.624 ug/l
 RT: 9.66 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

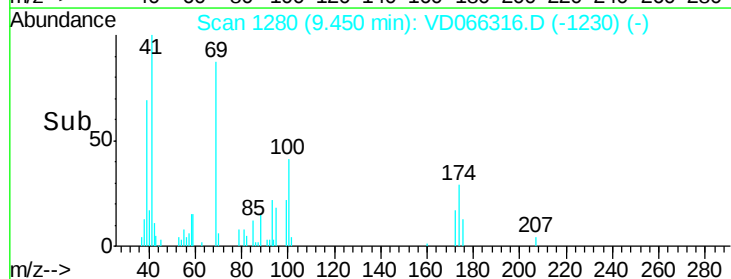
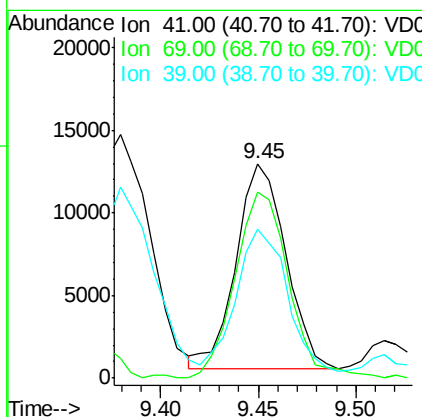
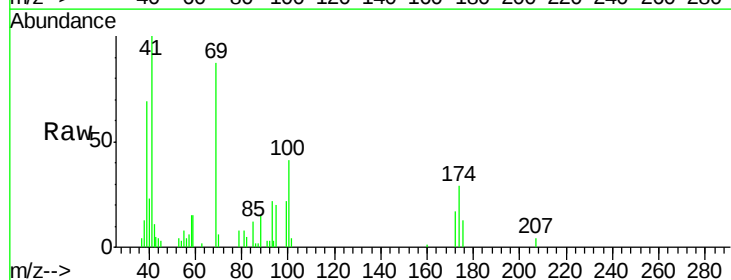
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

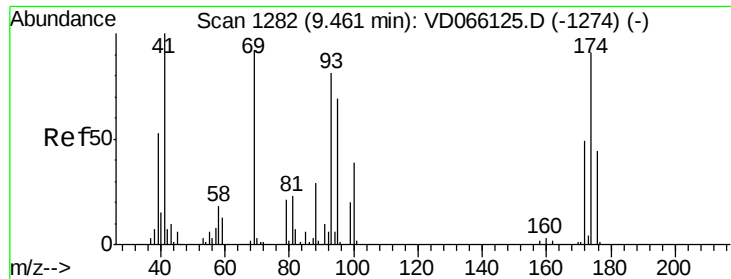
Tgt Ion: 83 Resp: 68483
 Ion Ratio Lower Upper
 83 100
 85 65.3 48.2 72.4
 127 11.4 7.3 10.9#



#48
 Methyl methacrylate
 Concen: 16.328 ug/l
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 41 Resp: 21881
 Ion Ratio Lower Upper
 41 100
 69 97.8 63.9 95.9#
 39 70.5 42.6 64.0#

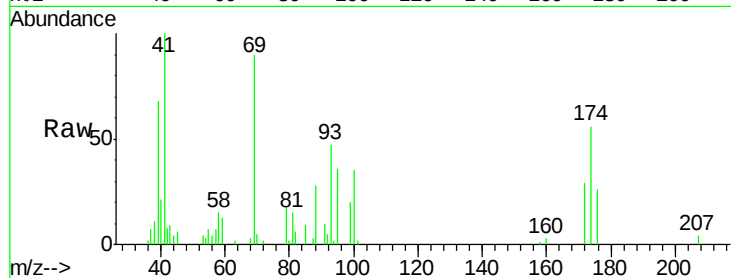




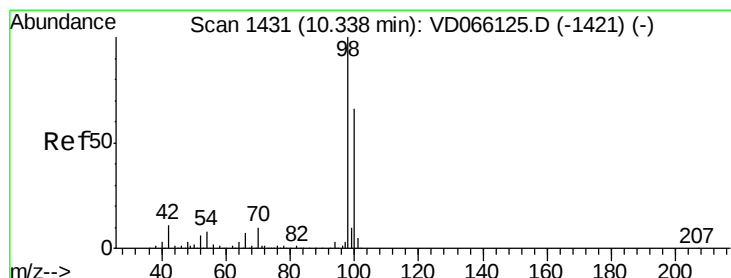
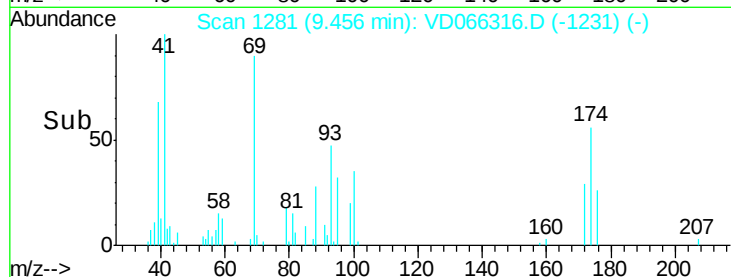
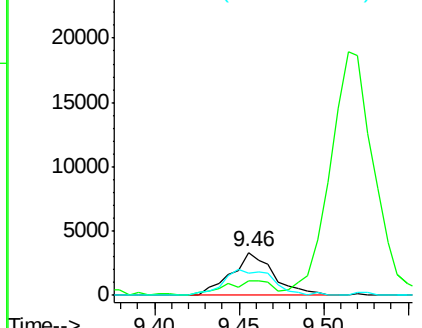
#49
1,4-Dioxane
Concen: 356.610 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tgt Ion: 88 Resp: 5756
Ion Ratio Lower Upper
88 100
43 37.8 27.5 41.3
58 71.1 50.2 75.4

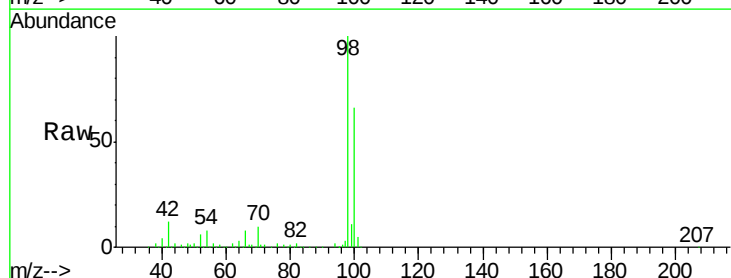


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

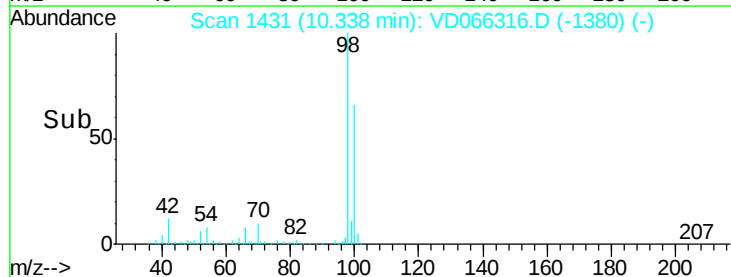
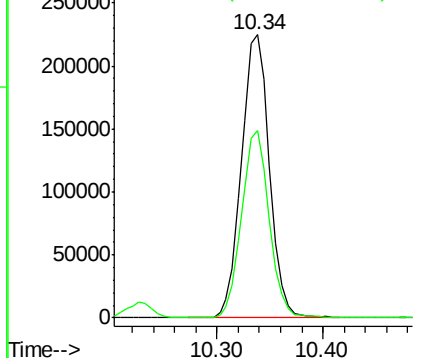


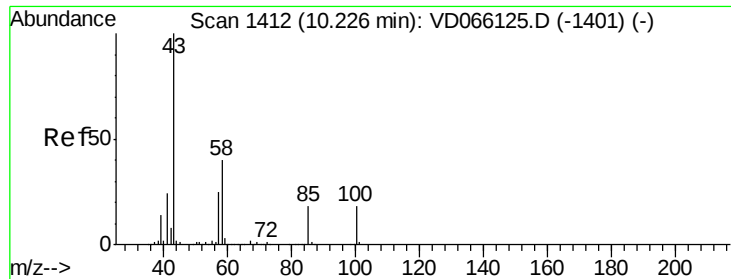
#50
Toluene-d8
Concen: 49.378 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 98 Resp: 412960
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

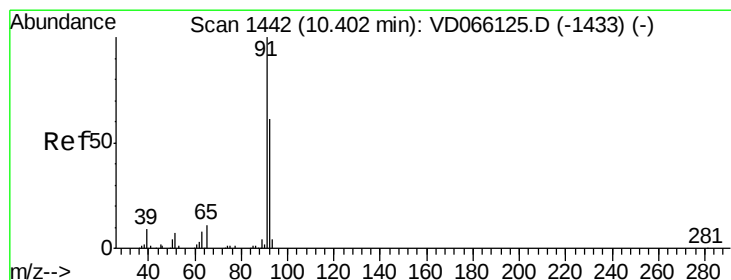
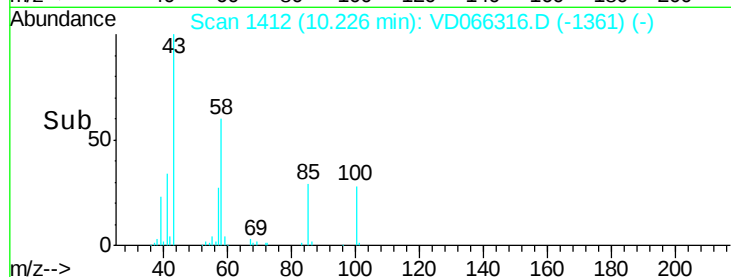
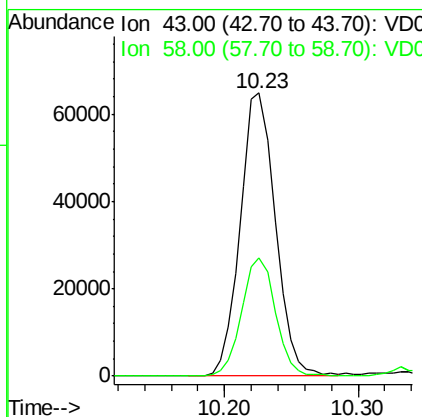
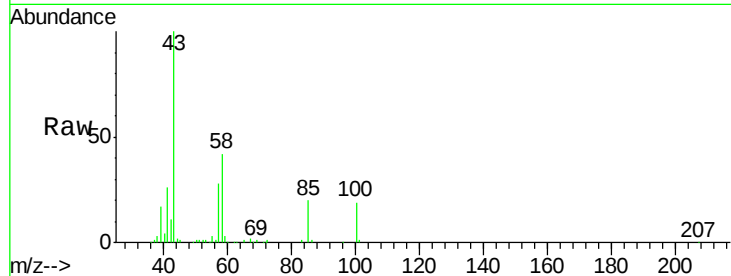




#51
 4-Methyl-2-Pentanone
 Concen: 87.871 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

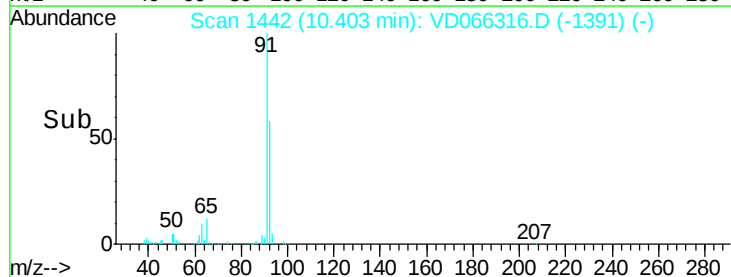
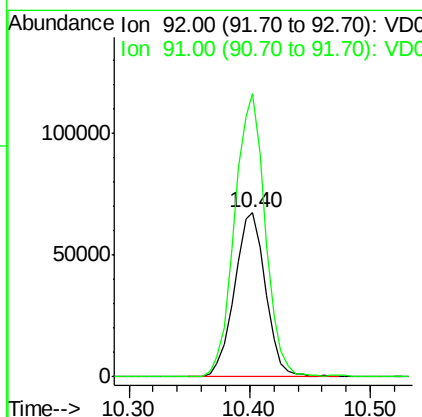
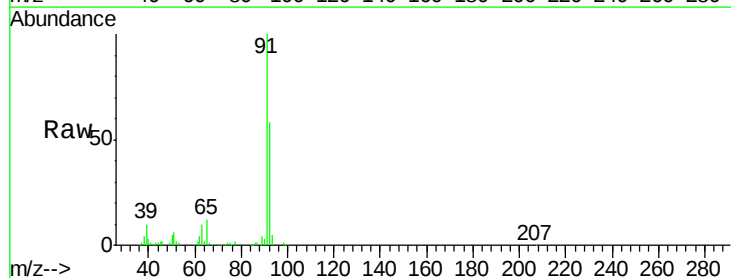
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

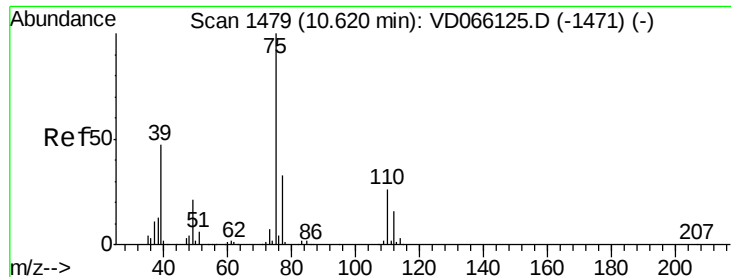
Tgt Ion: 43 Resp: 118453
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.1 46.7



#52
 Toluene
 Concen: 19.738 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 92 Resp: 121122
 Ion Ratio Lower Upper
 92 100
 91 169.9 135.2 202.8

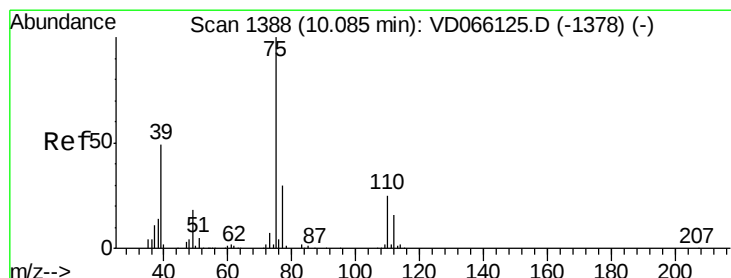
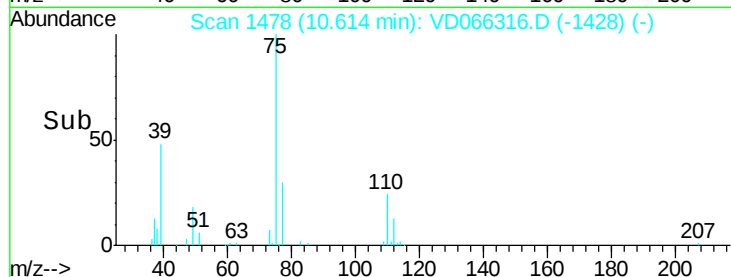
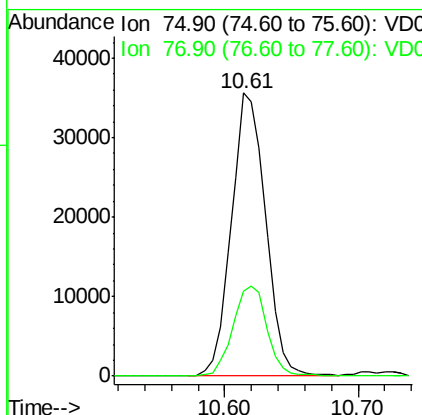
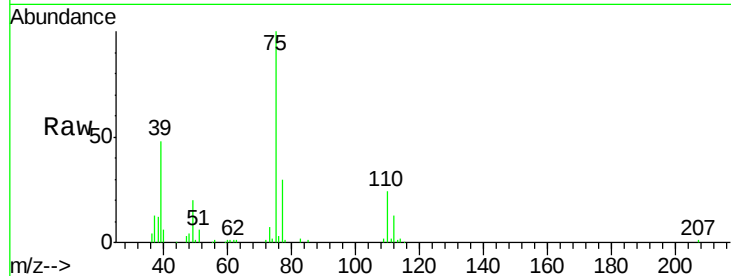




#53
 t-1,3-Dichloropropene
 Concen: 20.128 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

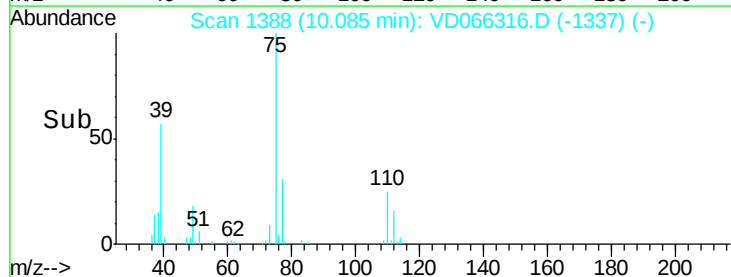
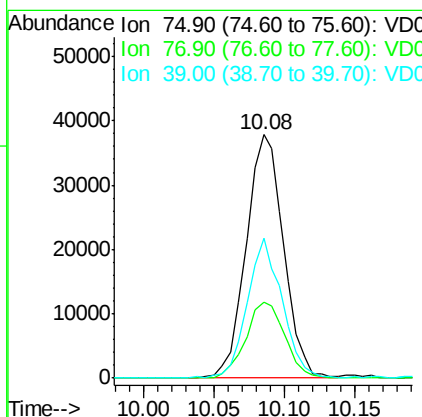
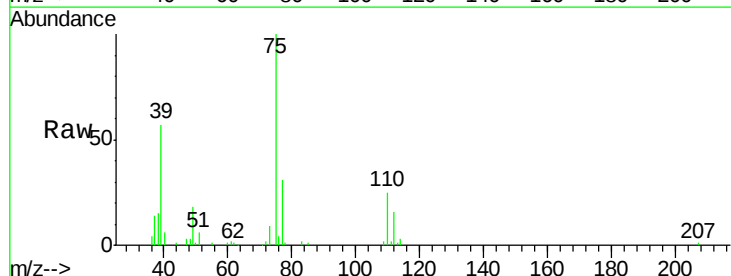
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

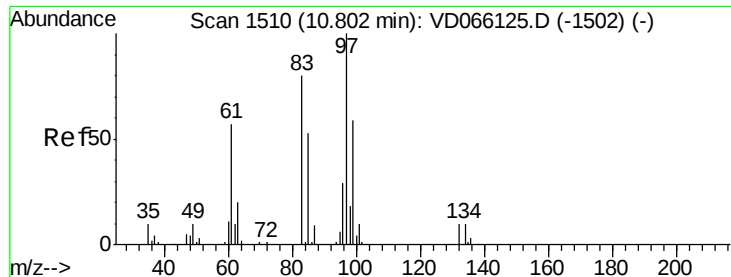
Tgt Ion: 75 Resp: 63426
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.058 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 75 Resp: 70362
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.3 36.5
 39 57.3 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 19.139 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

Tgt Ion: 97 Resp: 34624

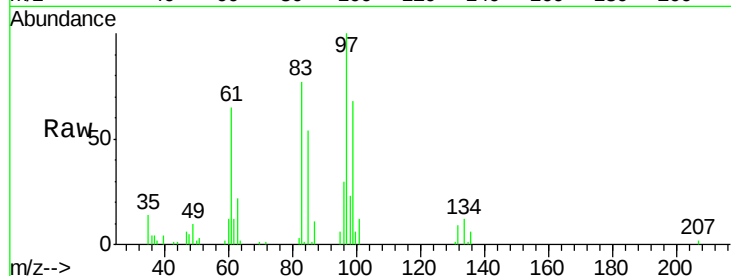
Ion Ratio Lower Upper

97 100

83 76.7 63.9 95.9

85 54.3 42.5 63.7

99 68.5 47.4 71.0

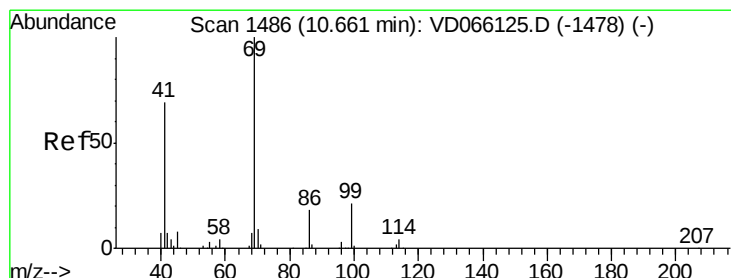
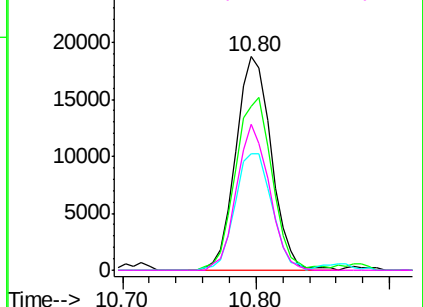
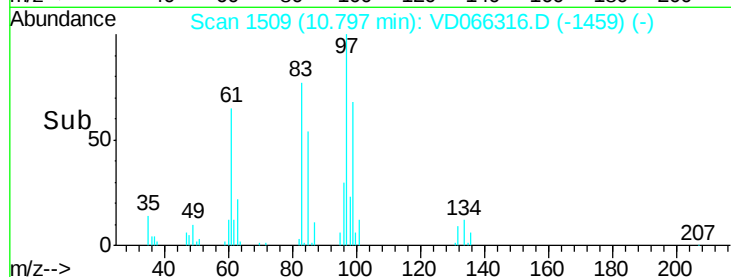


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 18.244 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

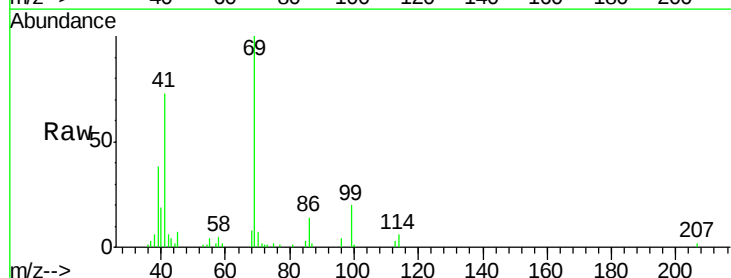
Tgt Ion: 69 Resp: 39649

Ion Ratio Lower Upper

69 100

41 70.0 54.1 81.1

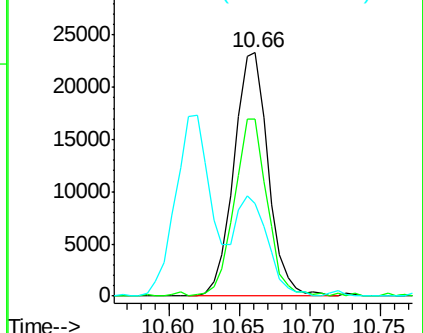
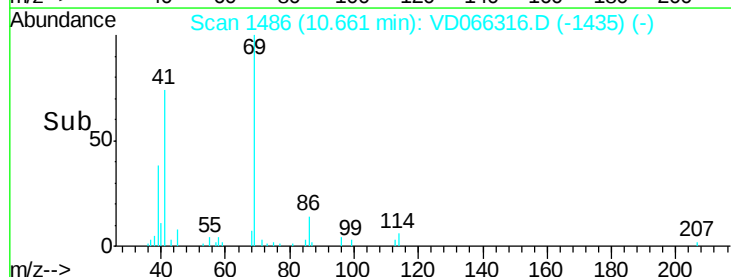
39 40.8 28.6 43.0

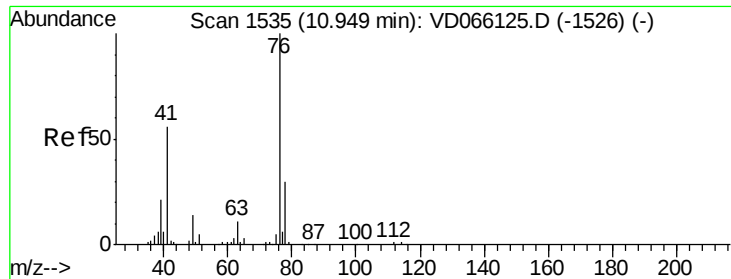


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

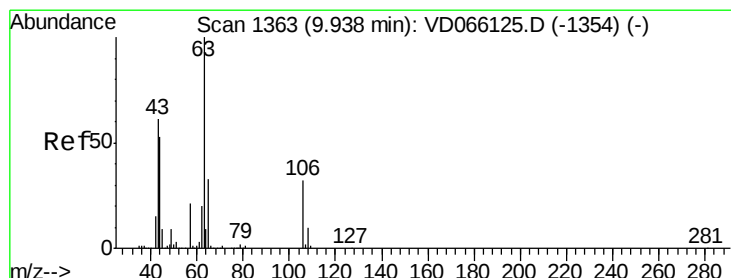
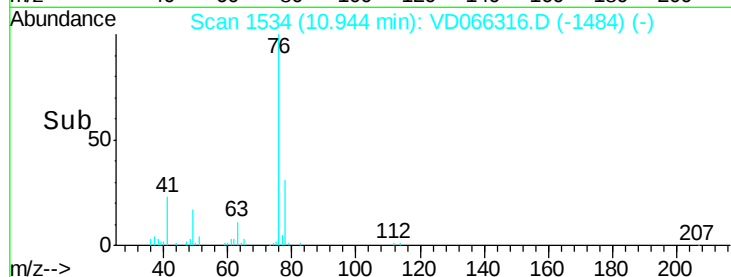
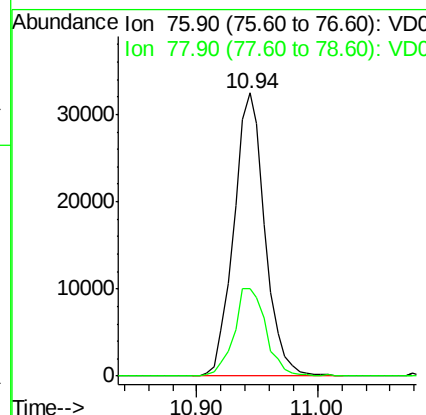
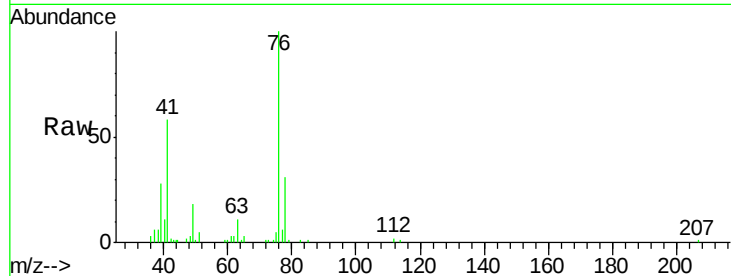




#57
 1,3-Dichloropropane
 Concen: 19.304 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

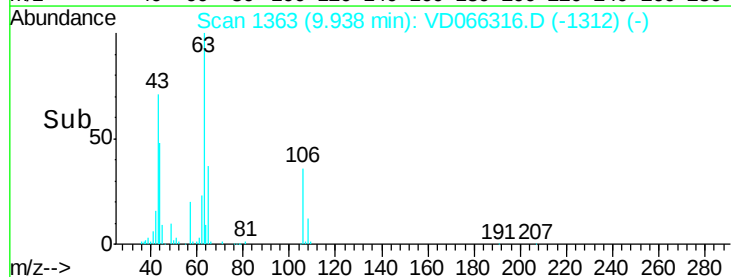
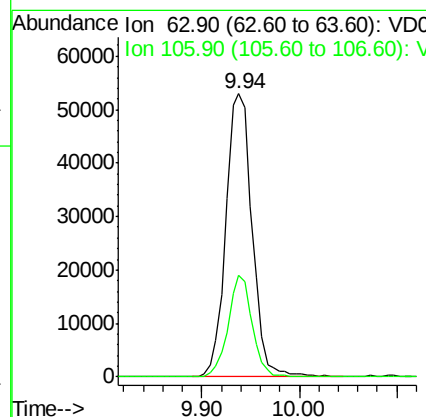
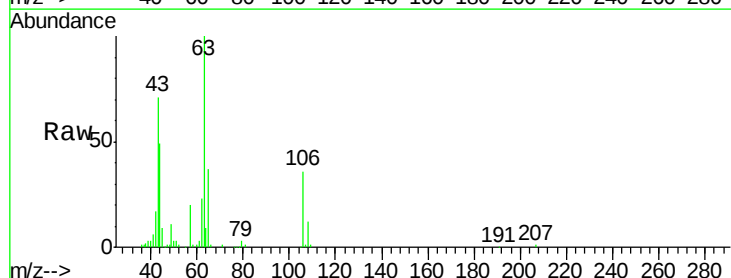
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

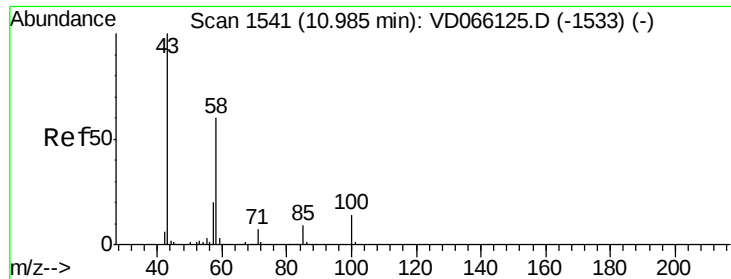
Tgt Ion: 76 Resp: 57977
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.658 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 63 Resp: 98398
 Ion Ratio Lower Upper
 63 100
 106 32.9 25.3 37.9

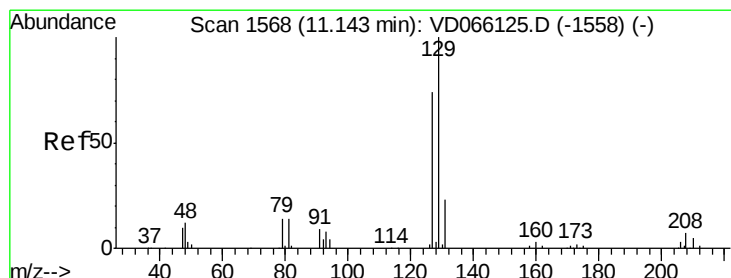
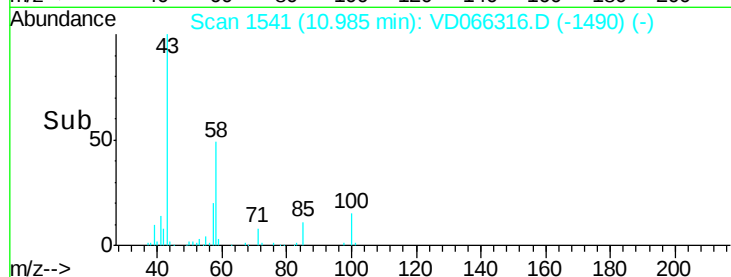
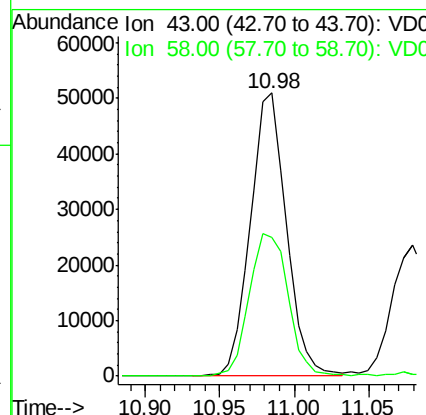
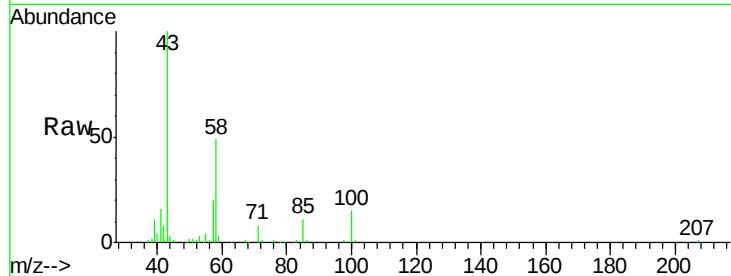




#59
2-Hexanone
Concen: 89.617 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

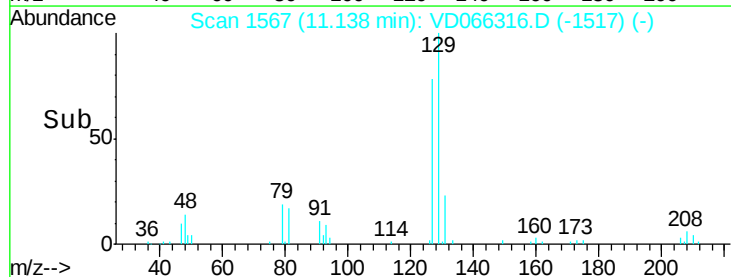
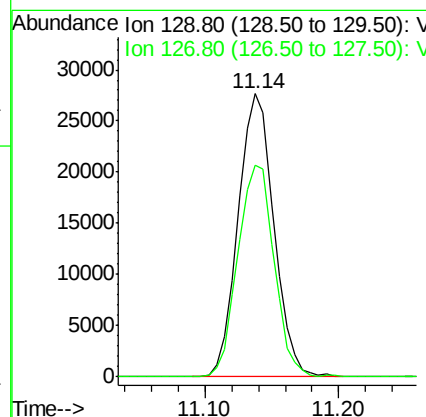
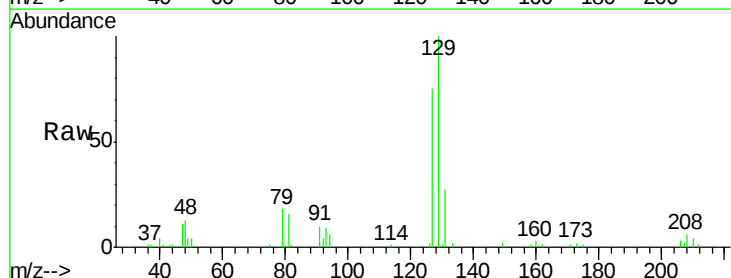
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

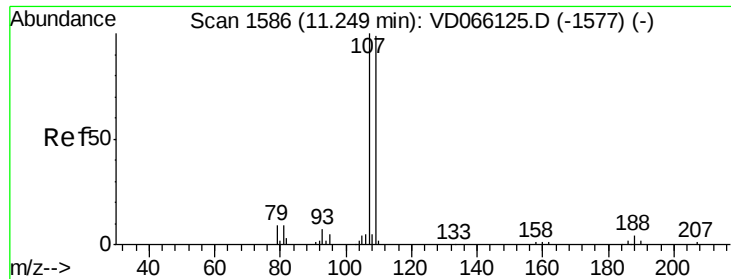
Tgt Ion: 43 Resp: 84784
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4



#60
Dibromochloromethane
Concen: 20.574 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 129 Resp: 51385
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1

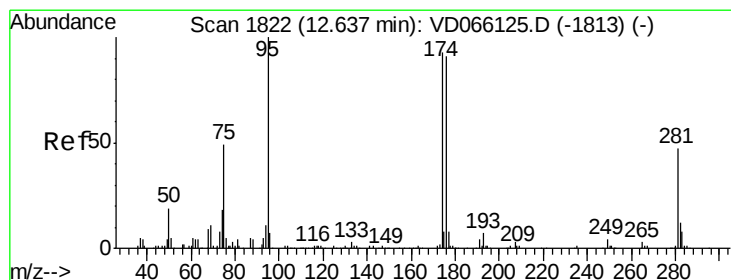
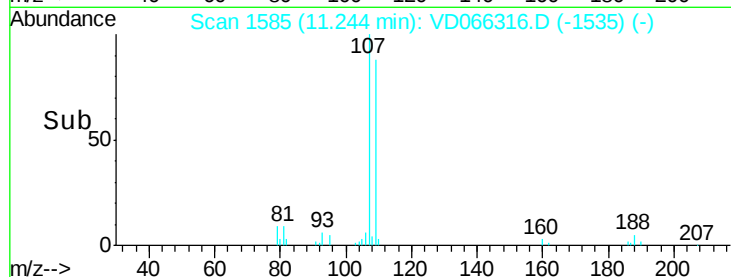
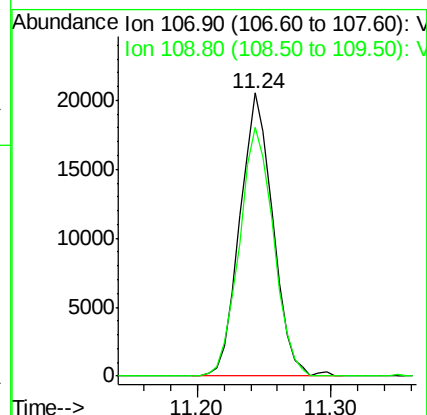
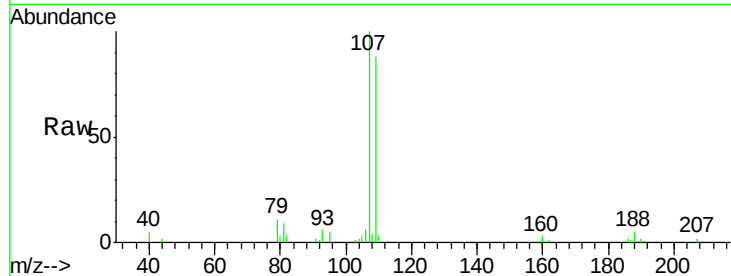




#61
 1,2-Dibromoethane
 Concen: 20.165 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

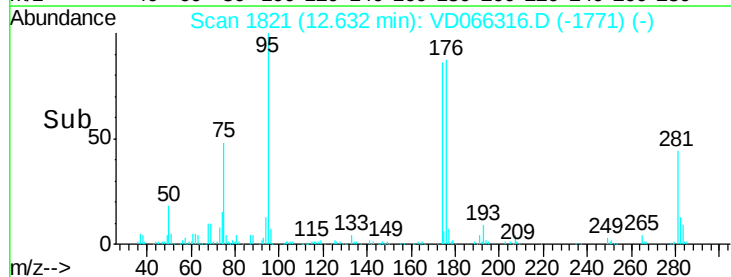
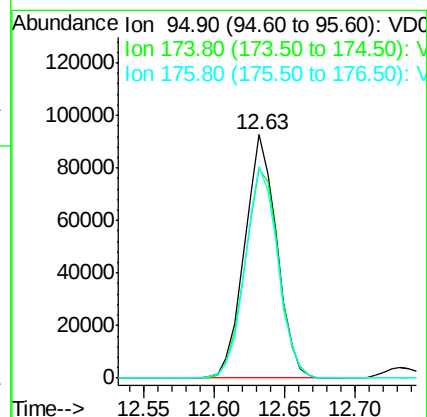
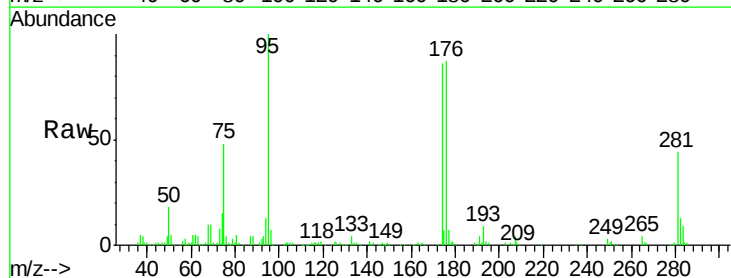
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

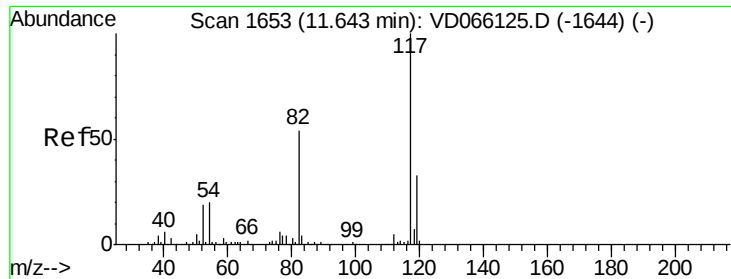
Tgt Ion: 107 Resp: 35083
 Ion Ratio Lower Upper
 107 100
 109 91.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 48.954 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 95 Resp: 147577
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 180.8
 176 88.6 0.0 181.2

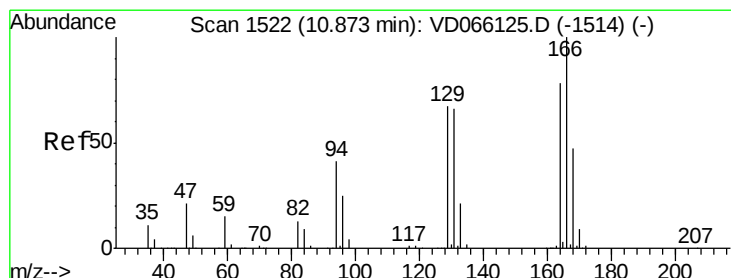
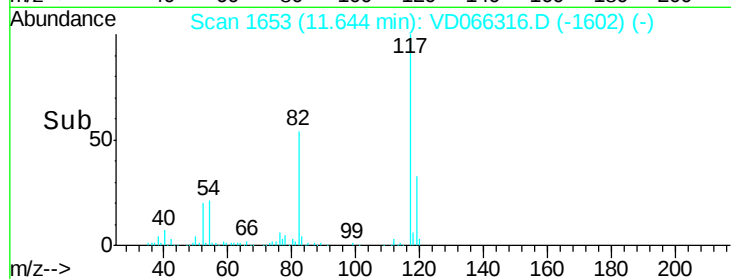
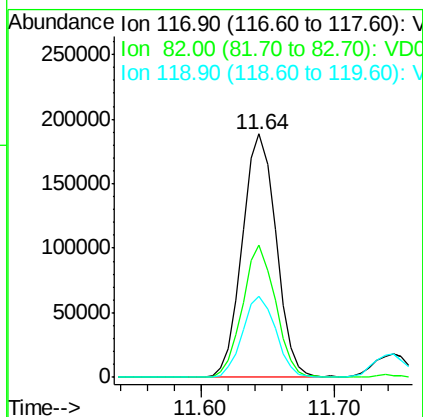
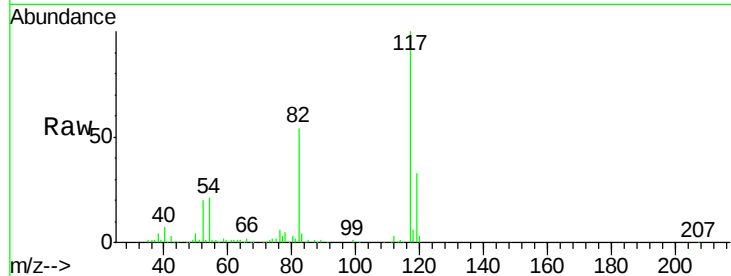




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

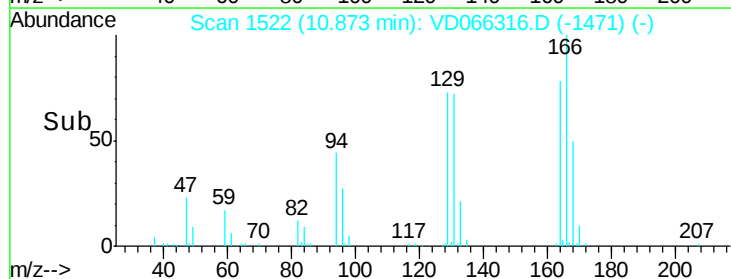
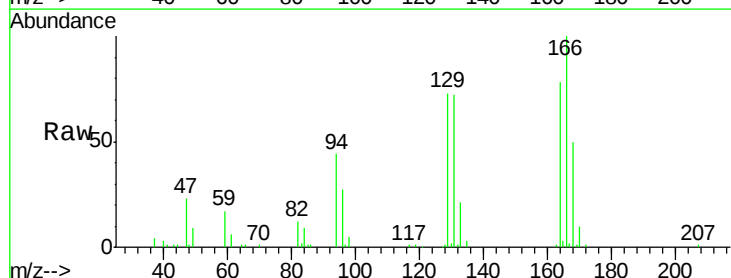
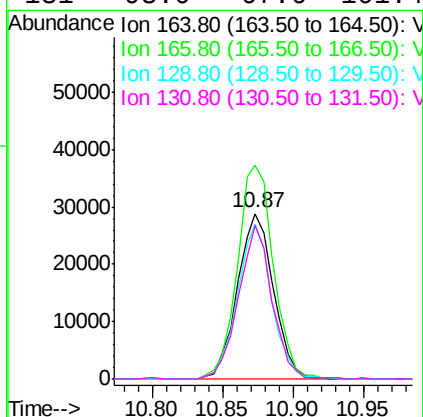
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

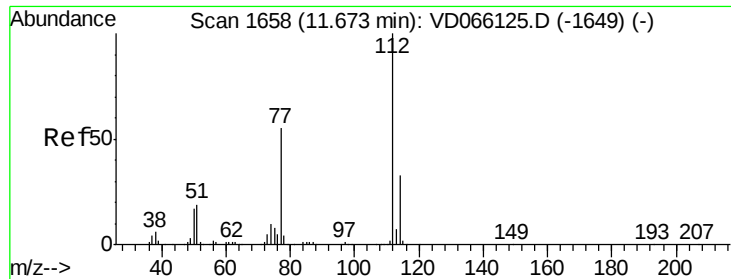
Tgt Ion:117 Resp: 330402
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 33.4 26.1 39.1



#64
Tetrachloroethene
Concen: 20.339 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:164 Resp: 51602
Ion Ratio Lower Upper
164 100
166 129.0 101.9 152.9
129 93.8 68.1 102.1
131 93.0 67.6 101.4

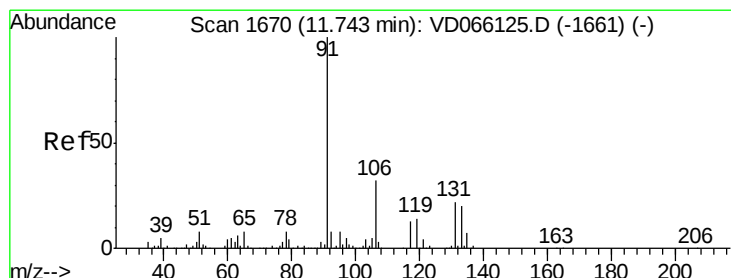
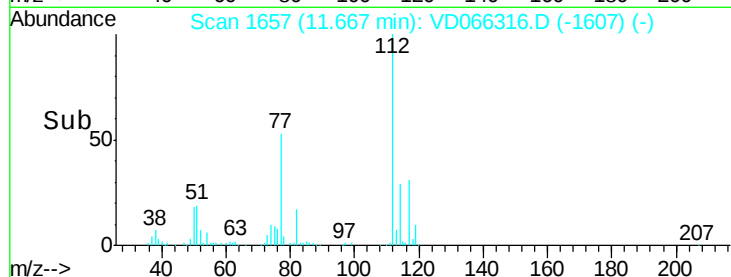
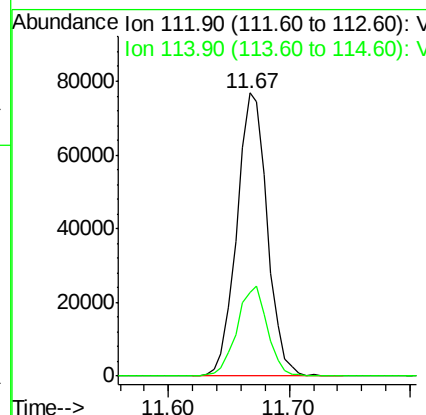
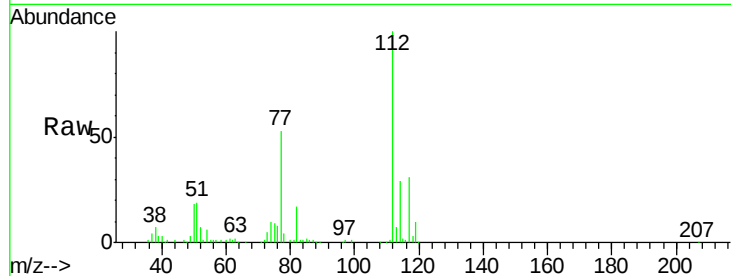




#65
Chlorobenzene
Concen: 20.068 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

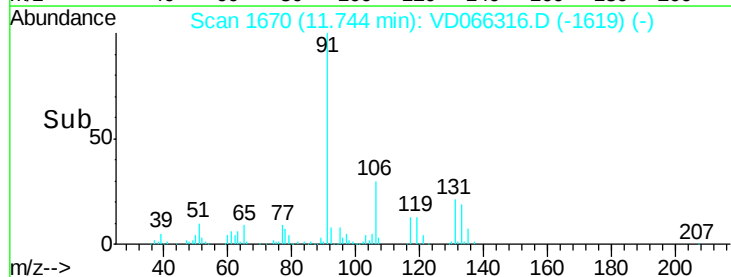
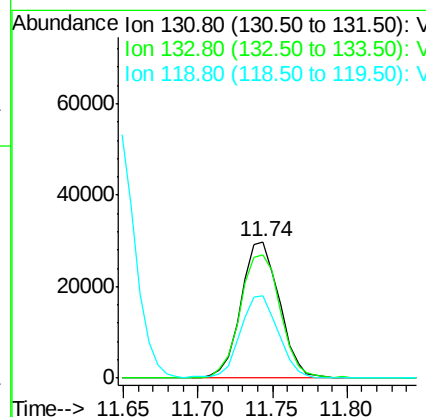
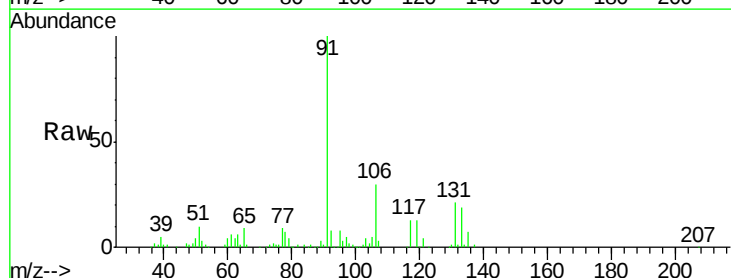
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

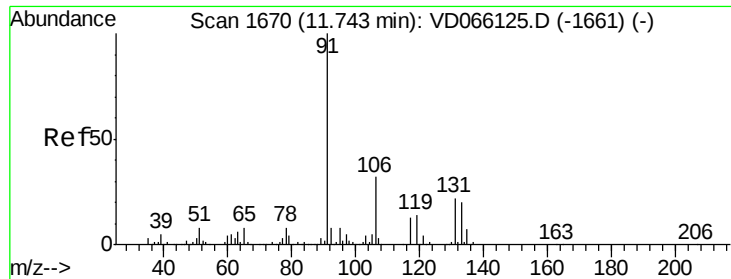
Tgt Ion:112 Resp: 134600
Ion Ratio Lower Upper
112 100
114 29.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.301 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:131 Resp: 53276
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.4
119 59.6 31.6 94.7

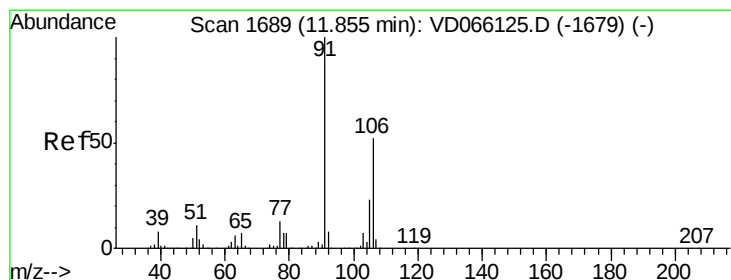
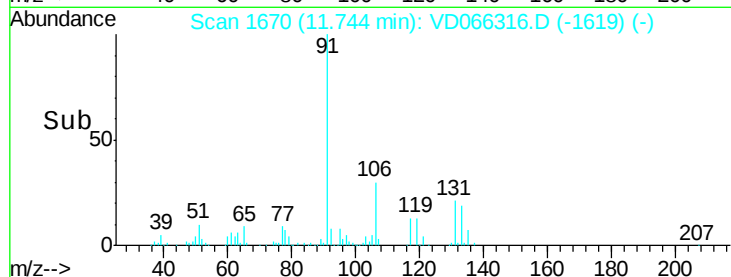
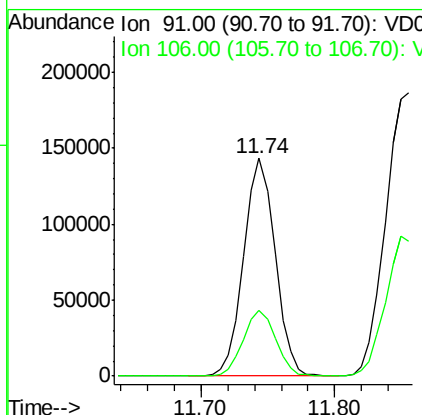
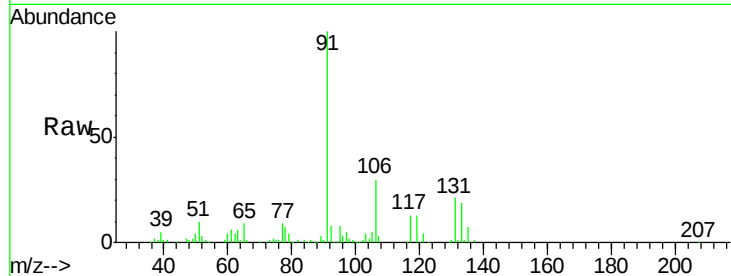




#67
Ethyl Benzene
Concen: 20.162 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

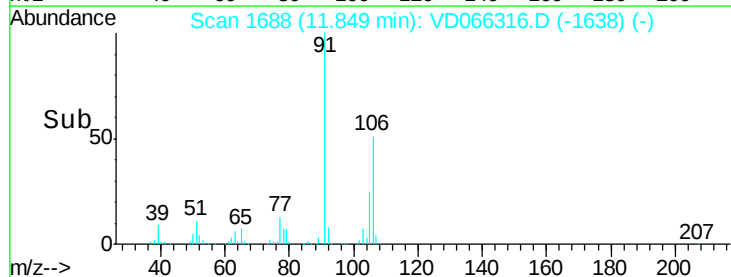
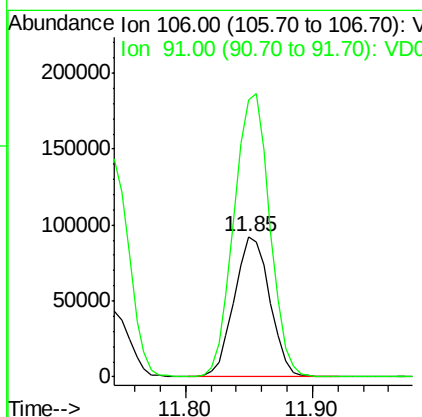
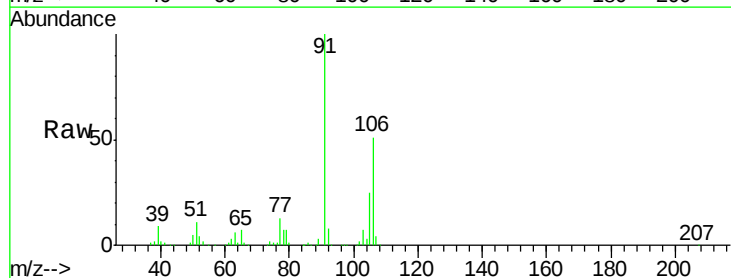
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

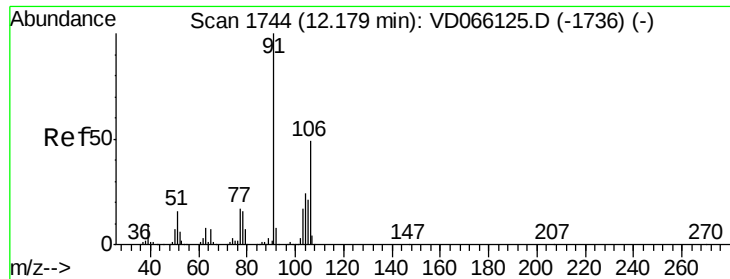
Tgt Ion: 91 Resp: 234345
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5



#68
m/p-Xylenes
Concen: 39.969 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 106 Resp: 179991
Ion Ratio Lower Upper
106 100
91 202.6 156.6 235.0

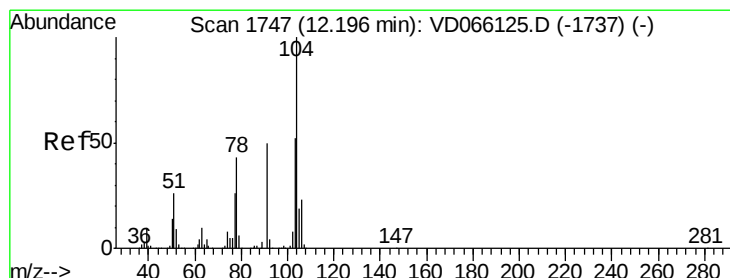
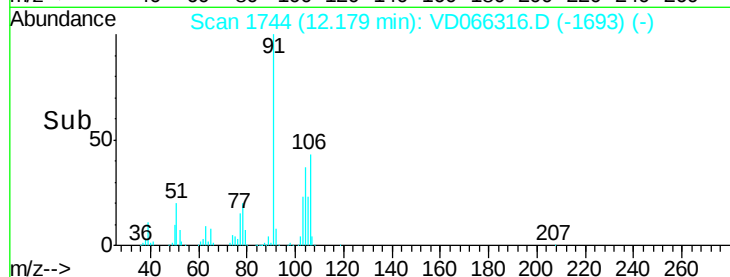
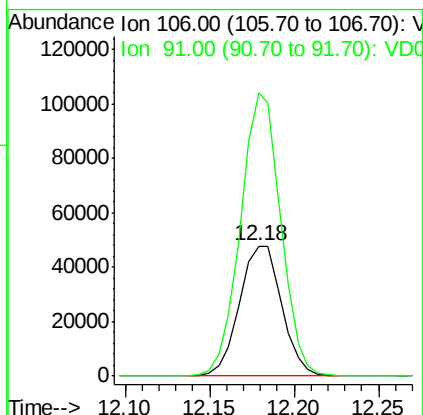
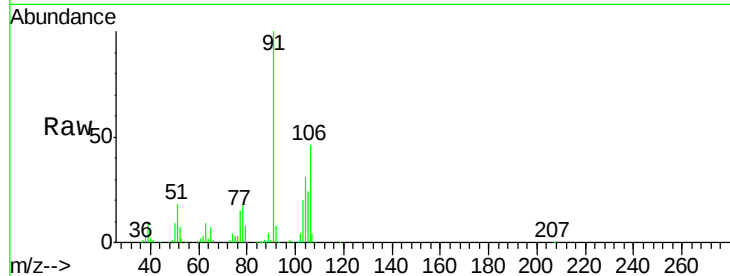




#69
o-Xylene
Concen: 20.380 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

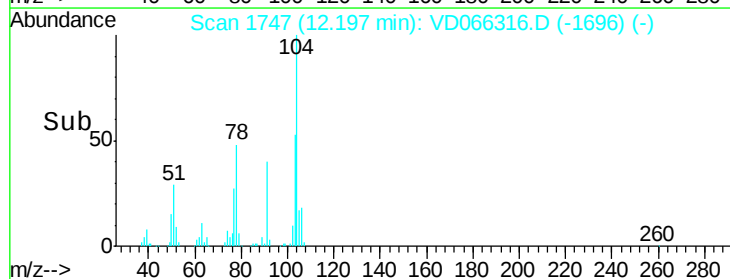
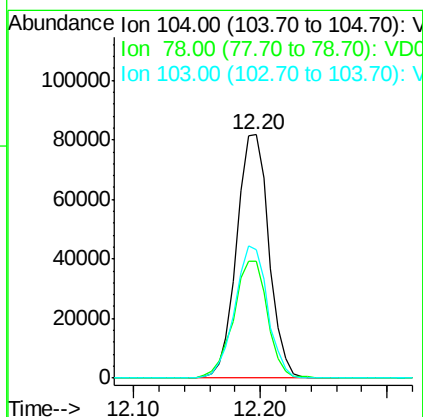
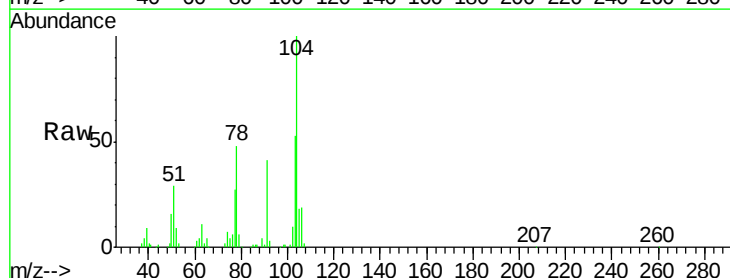
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

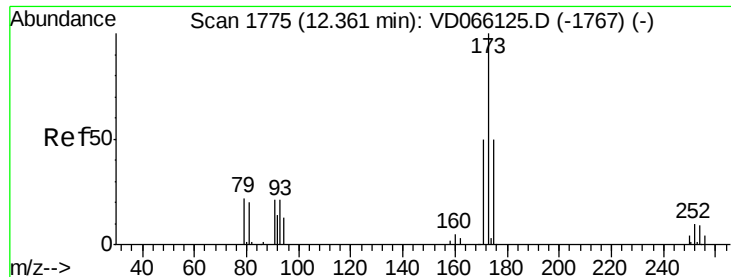
Tgt Ion:106 Resp: 83487
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1



#70
Styrene
Concen: 20.055 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:104 Resp: 143977
Ion Ratio Lower Upper
104 100
78 50.5 38.6 58.0
103 55.4 44.1 66.1

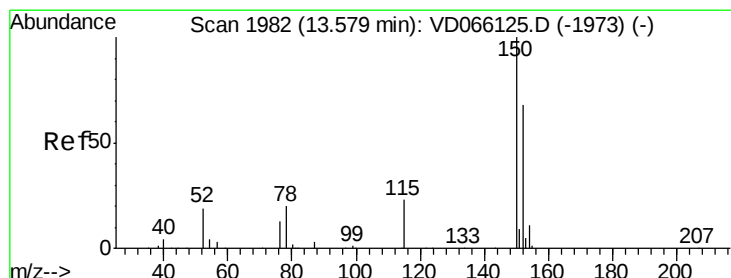
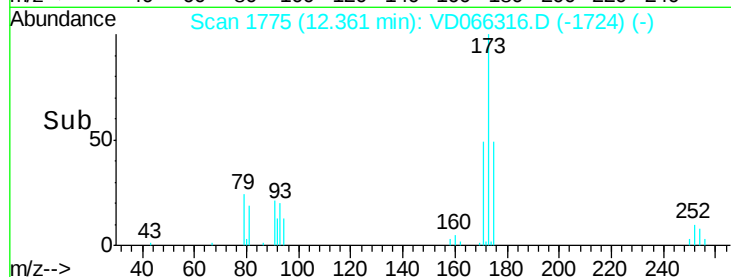
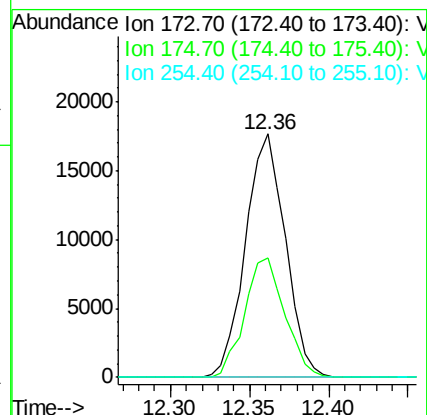
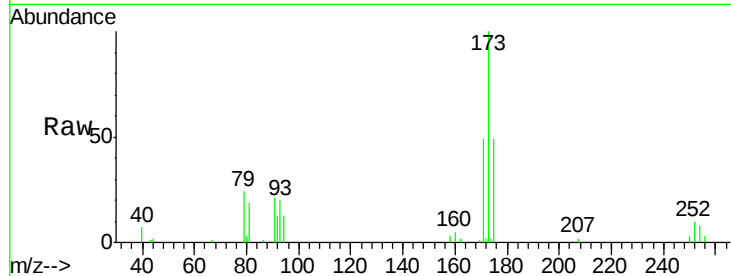




#71
Bromoform
Concen: 19.854 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

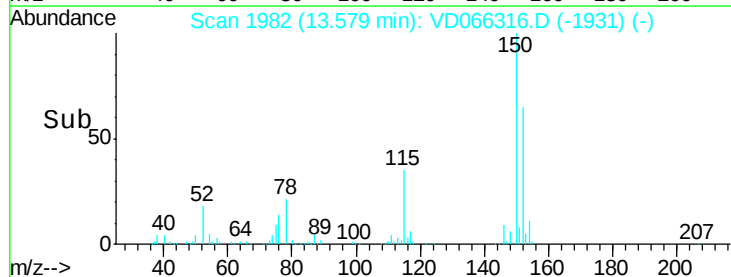
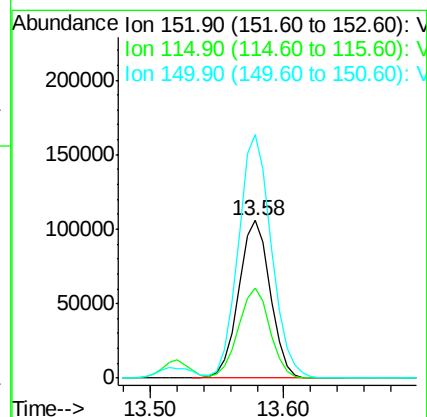
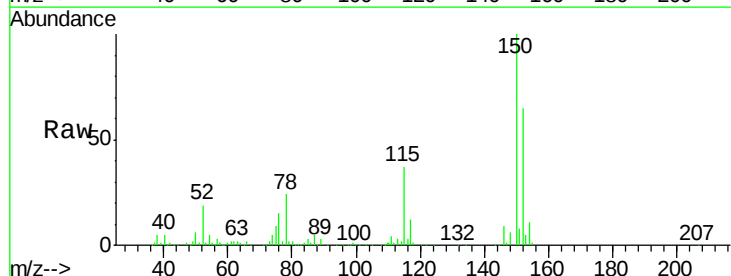
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

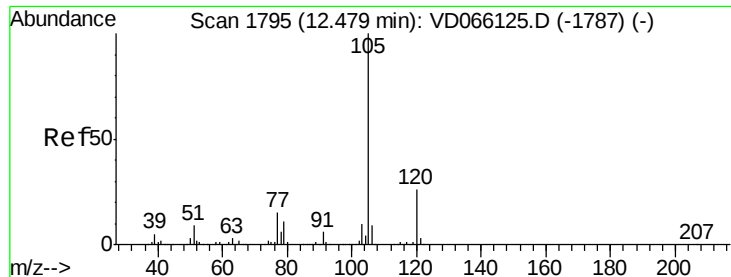
Tgt Ion:173 Resp: 30870
Ion Ratio Lower Upper
173 100
175 49.6 24.6 73.6
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:152 Resp: 173673
Ion Ratio Lower Upper
152 100
115 56.9 28.0 83.9
150 161.2 0.0 346.4





#73

Isopropylbenzene

Concen: 20.609 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

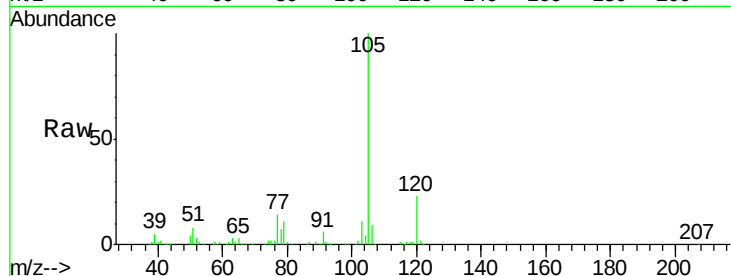
VD0819SBSD01

Tgt Ion:105 Resp: 238925

Ion Ratio Lower Upper

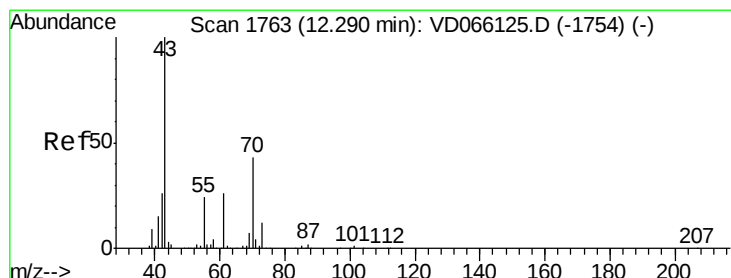
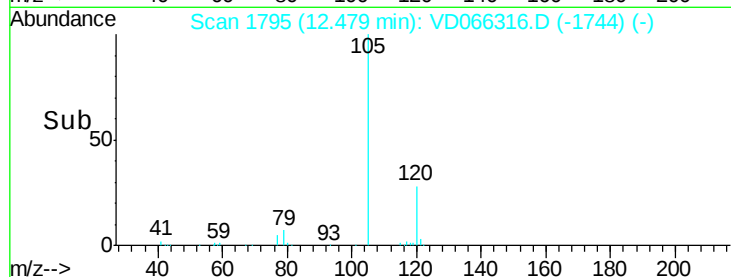
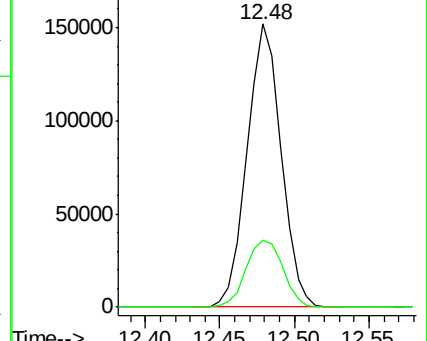
105 100

120 25.7 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: 17.238 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion: 43 Resp: 44006

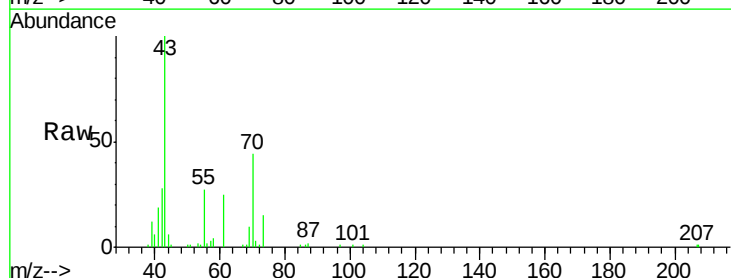
Ion Ratio Lower Upper

43 100

70 44.4 34.9 52.3

55 26.1 19.2 28.8

61 25.4 19.7 29.5

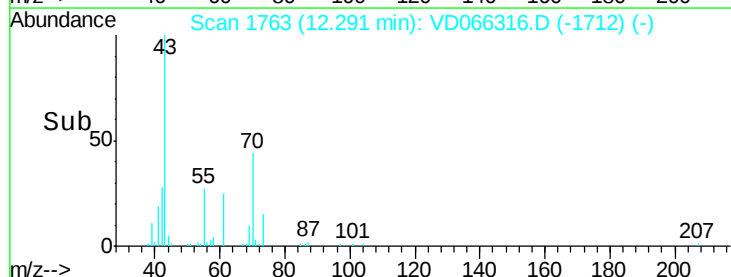
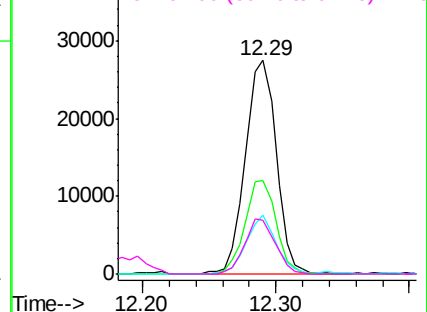


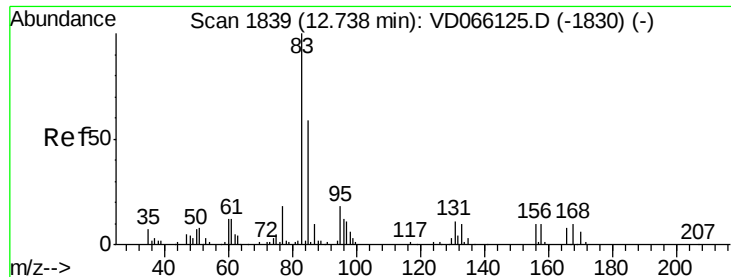
Abundance Ion 43.00 (42.70 to 43.70): V

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: 17.834 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

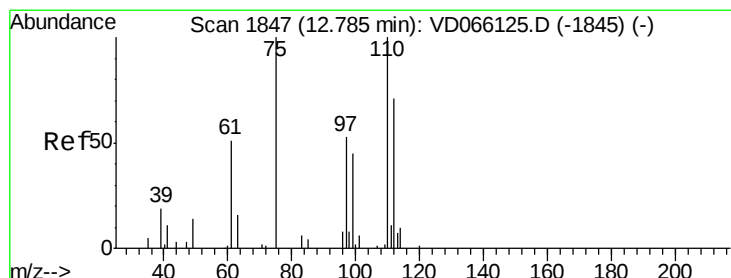
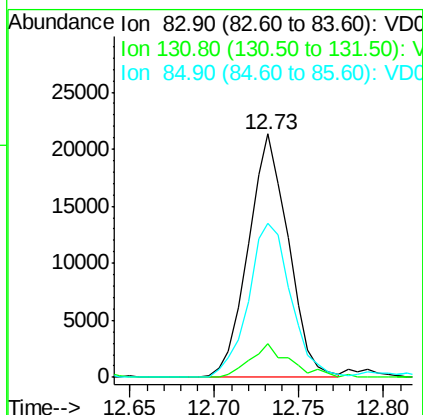
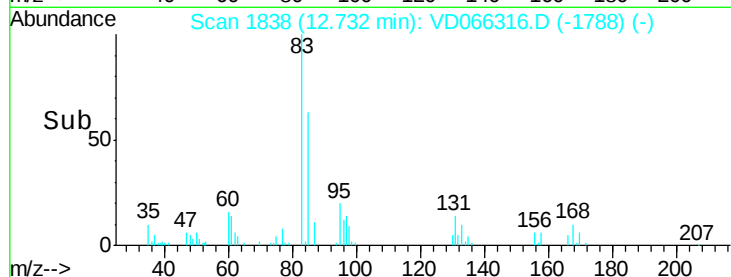
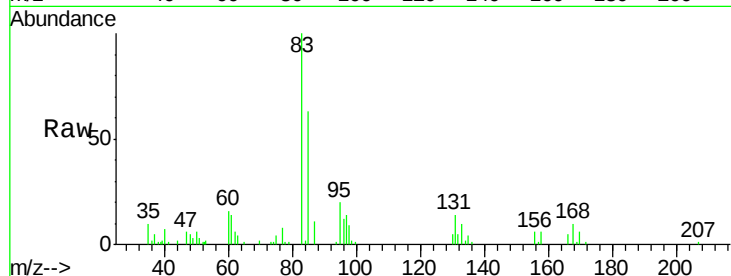
Tgt Ion: 83 Resp: 35255

Ion Ratio Lower Upper

83 100

131 13.7 6.2 18.6

85 66.9 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 33.984 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066316.D

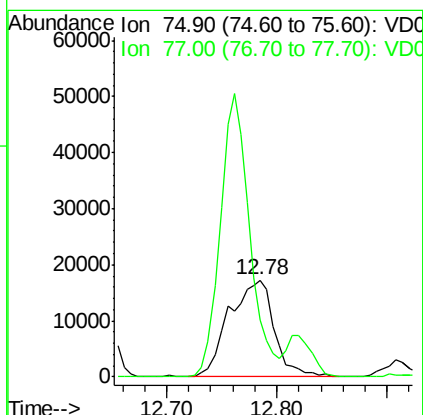
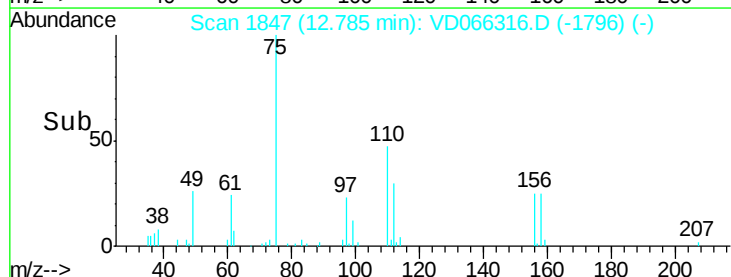
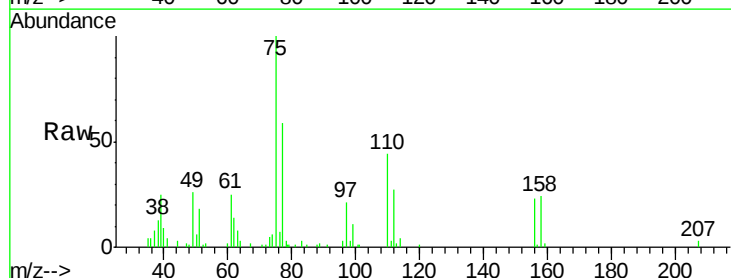
Acq: 19 Aug 2020 14:05

Tgt Ion: 75 Resp: 49219

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

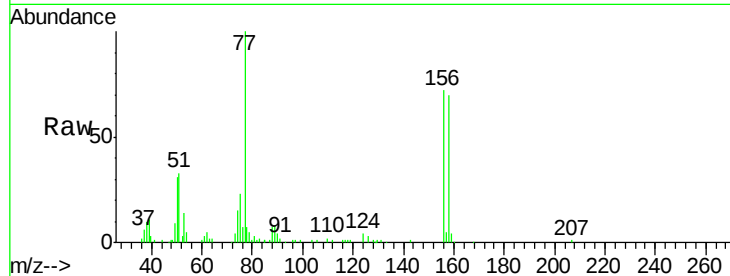




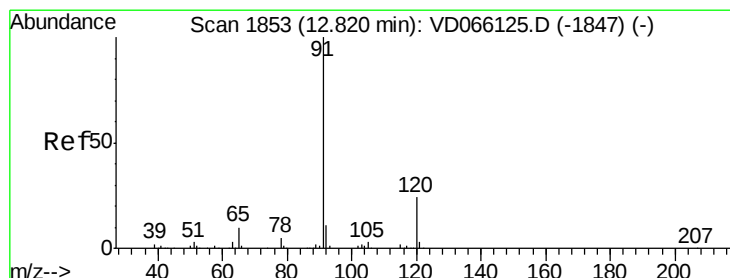
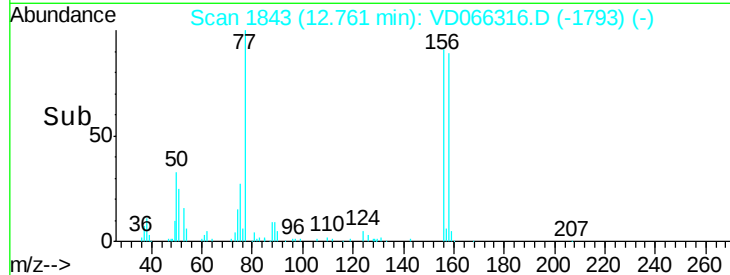
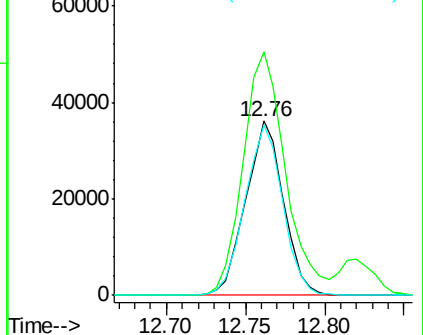
#77
Bromobenzene
Concen: 20.030 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion:156 Resp: 59777
Ion Ratio Lower Upper
156 100
77 157.4 81.0 243.1
158 98.3 48.8 146.3

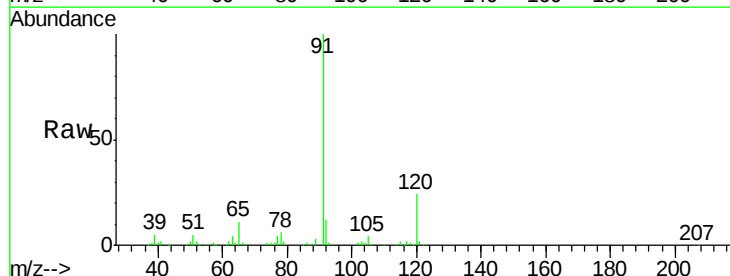


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

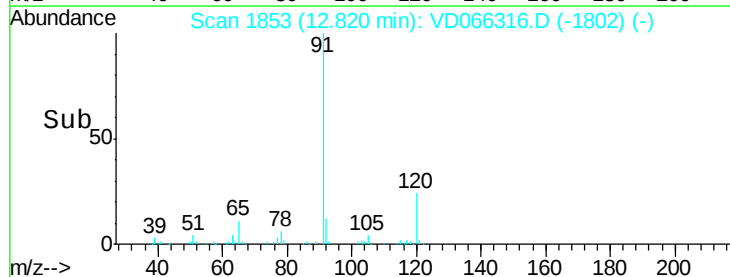
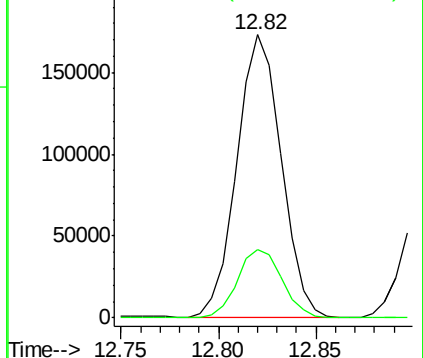


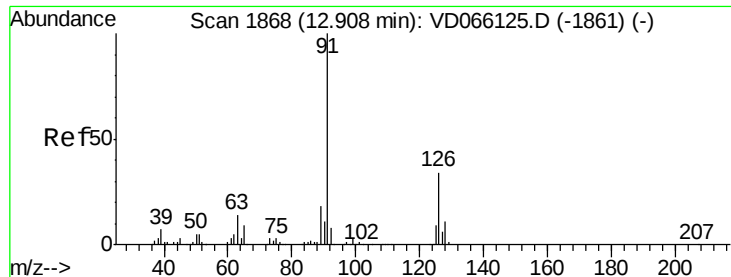
#78
n-propylbenzene
Concen: 20.260 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 91 Resp: 273022
Ion Ratio Lower Upper
91 100
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.916 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

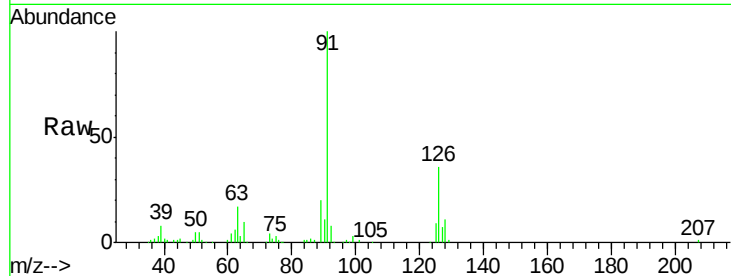
VD0819SBSD01

Tgt Ion: 91 Resp: 153506

Ion Ratio Lower Upper

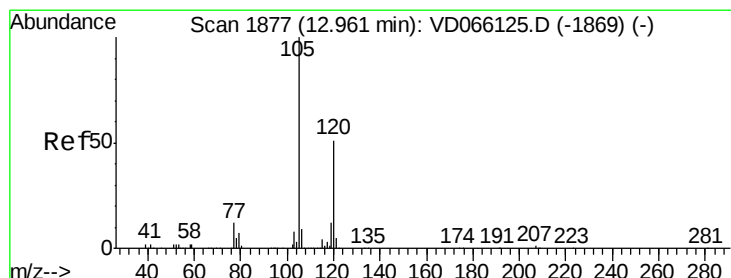
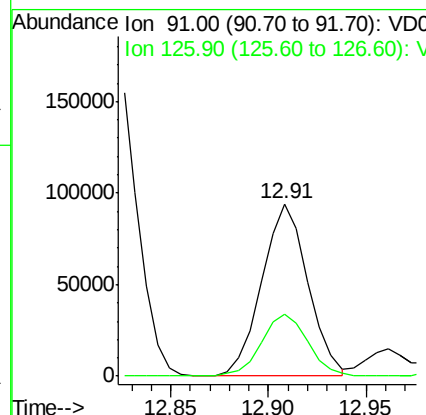
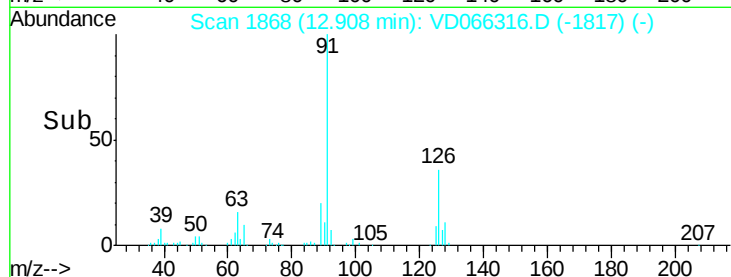
91 100

126 36.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066316.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066316.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.682 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066316.D

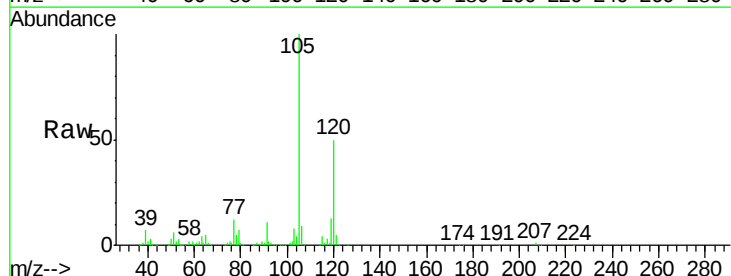
Acq: 19 Aug 2020 14:05

Tgt Ion: 105 Resp: 200517

Ion Ratio Lower Upper

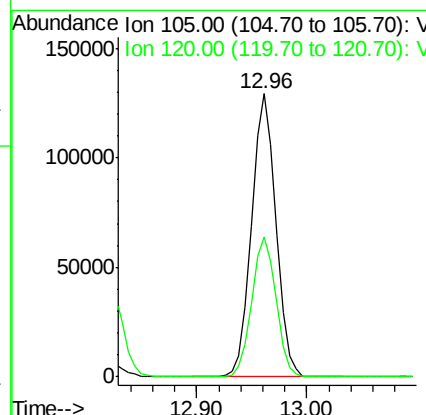
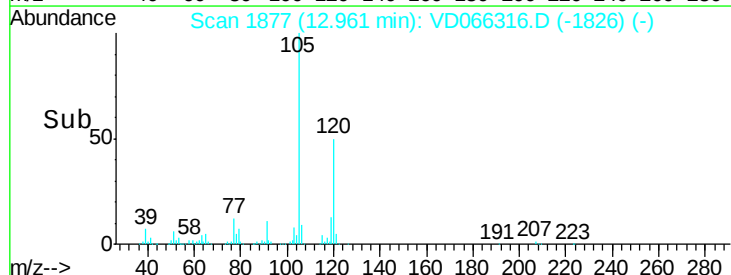
105 100

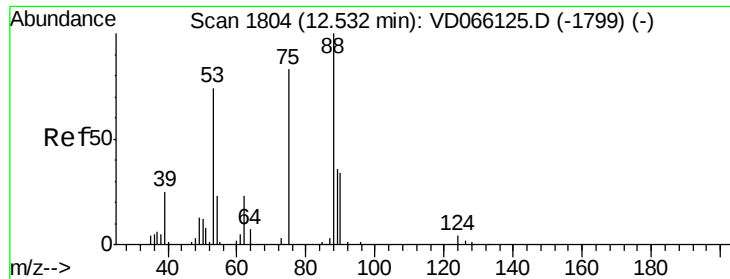
120 49.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066316.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066316.D (-1826) (-)

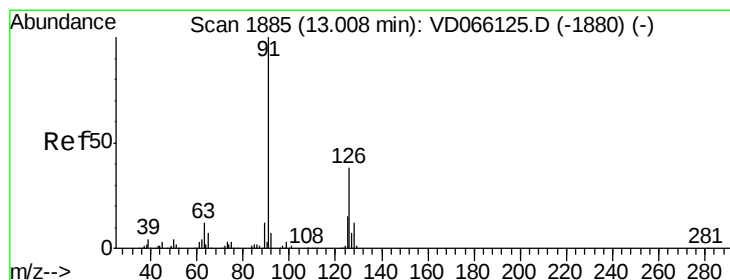
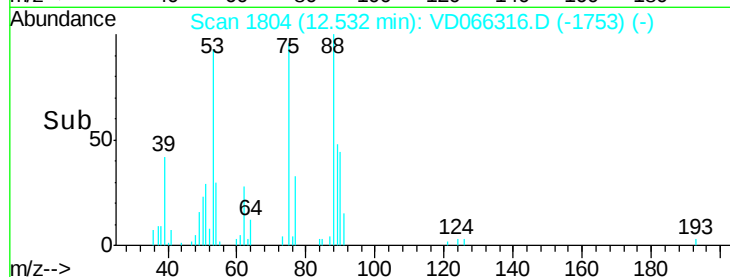
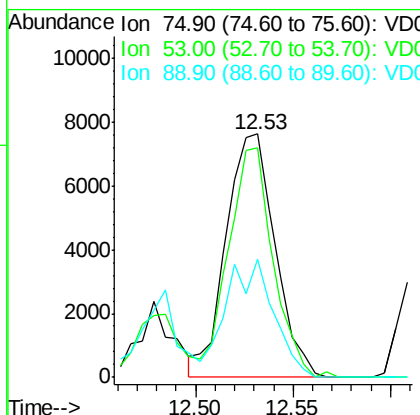
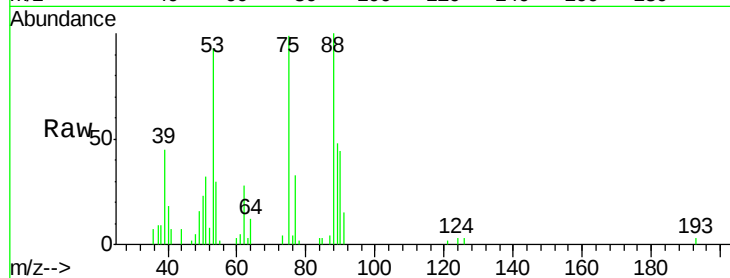




#81
trans-1,4-Dichloro-2-butene
Concen: 20.262 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

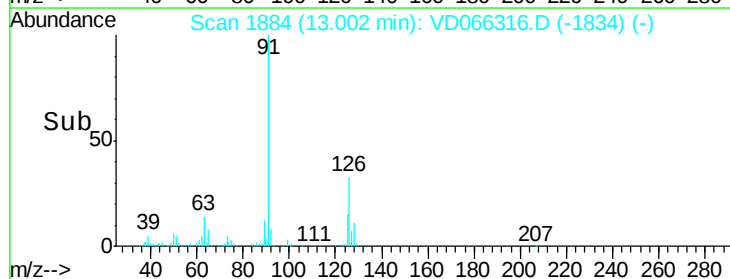
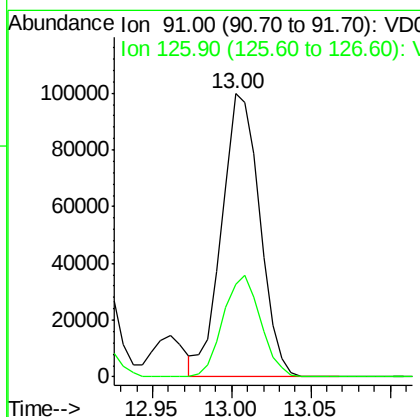
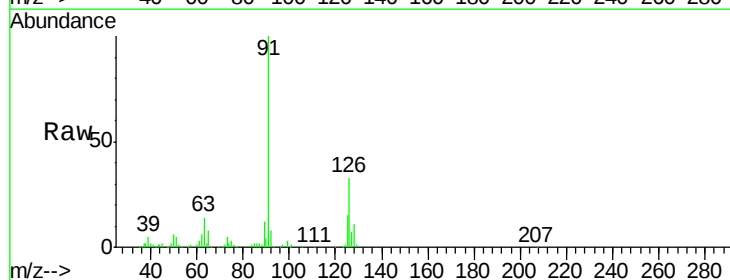
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

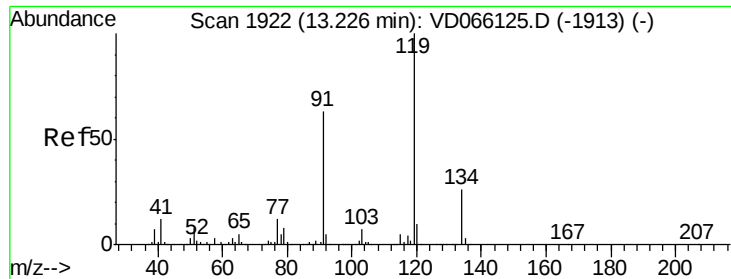
Tgt Ion: 75 Resp: 13275
Ion Ratio Lower Upper
75 100
53 85.4 73.4 110.2
89 46.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 20.389 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 91 Resp: 165889
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.3

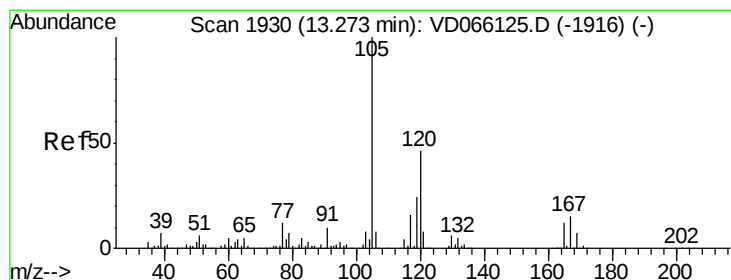
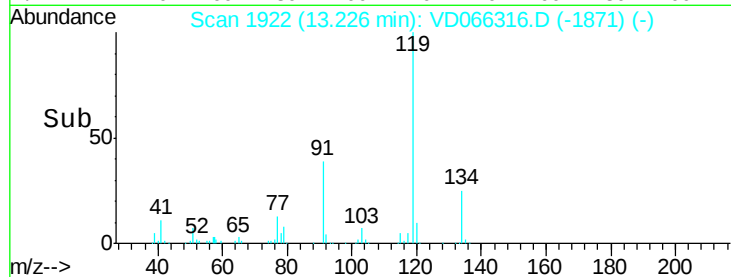
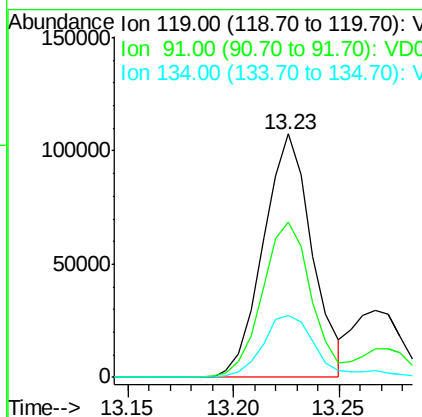
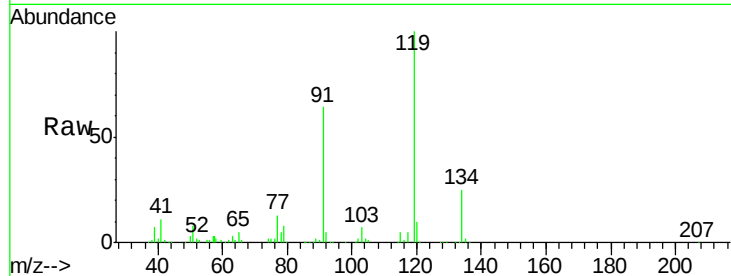




#83
 tert-Butylbenzene
 Concen: 20.257 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

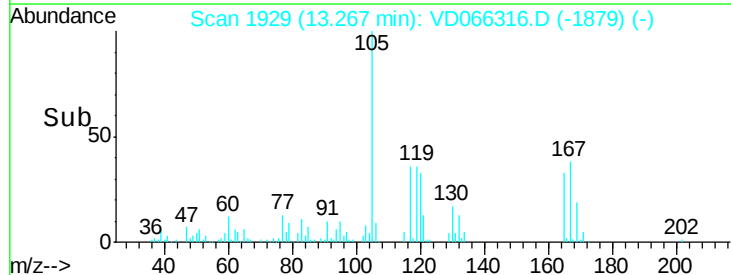
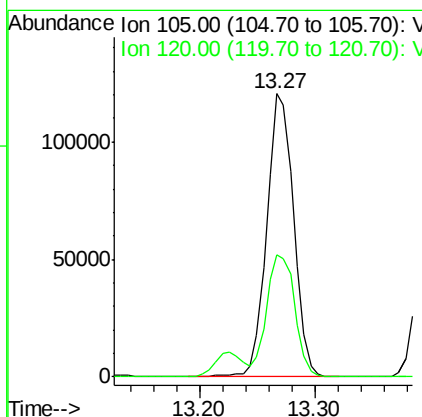
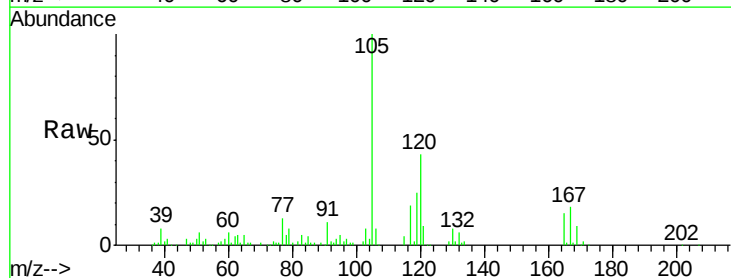
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

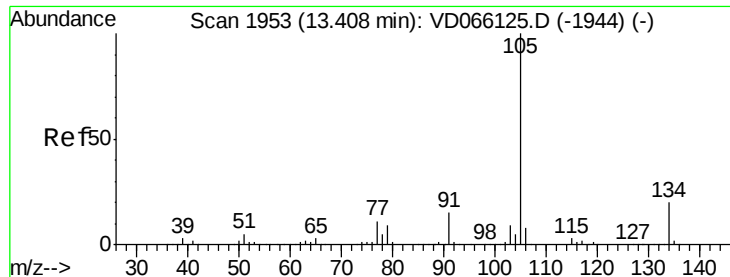
Tgt Ion:119 Resp: 172721
 Ion Ratio Lower Upper
 119 100
 91 65.0 30.8 92.4
 134 28.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.235 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion:105 Resp: 196339
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.726 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

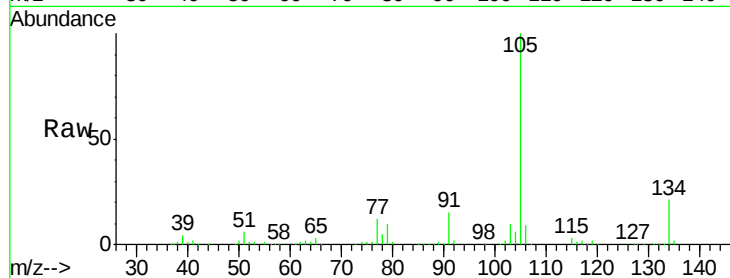
VD0819SBSD01

Tgt Ion:105 Resp: 238589

Ion Ratio Lower Upper

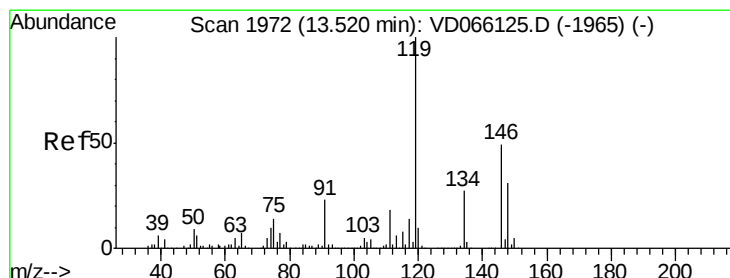
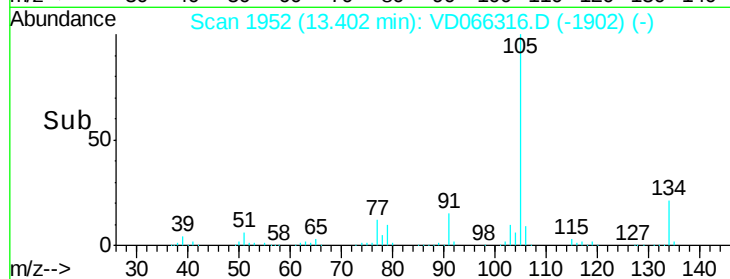
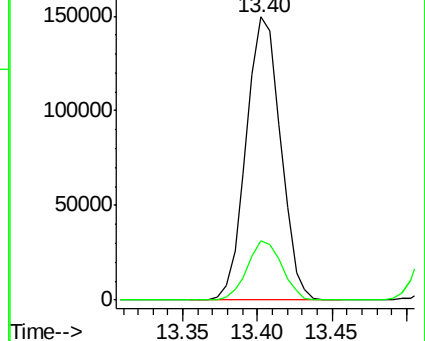
105 100

134 21.2 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: 20.975 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

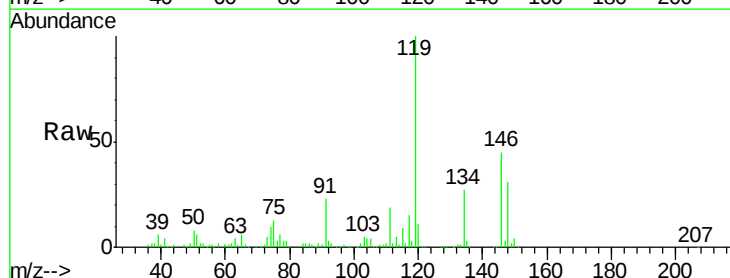
Tgt Ion:119 Resp: 226474

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

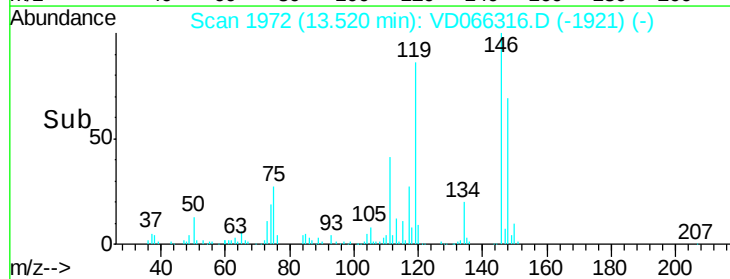
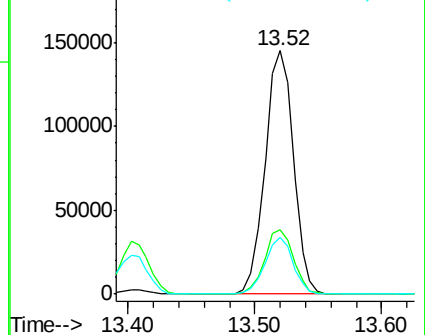
91 23.3 11.2 33.5

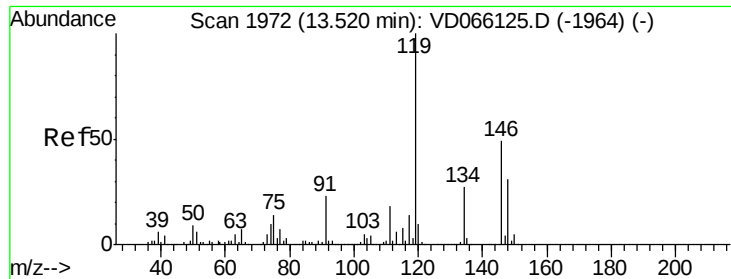


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

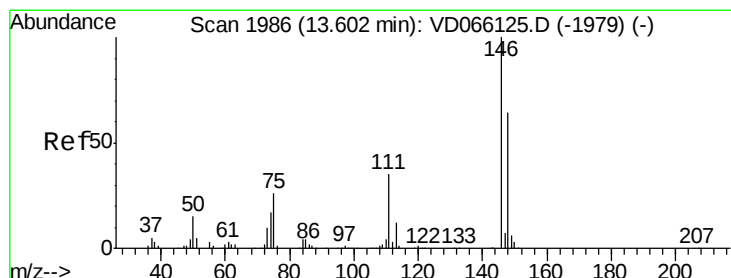
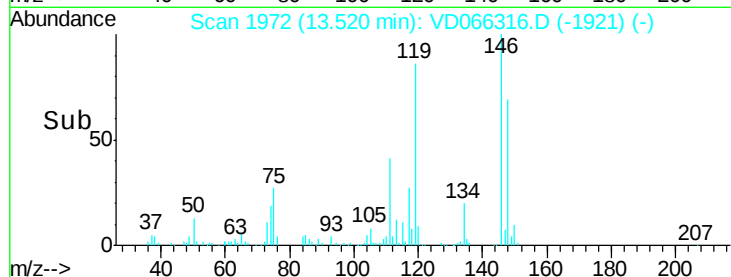
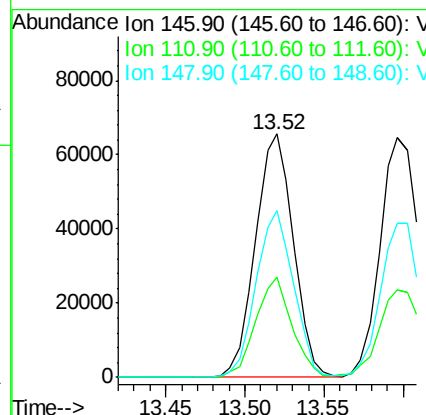
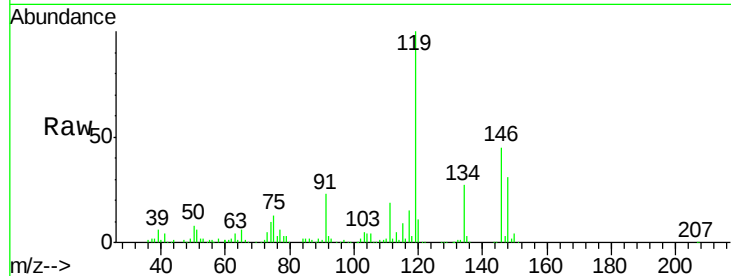




#87
 1,3-Dichlorobenzene
 Concen: 19.535 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

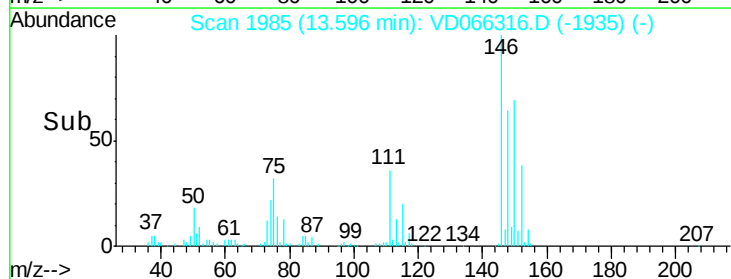
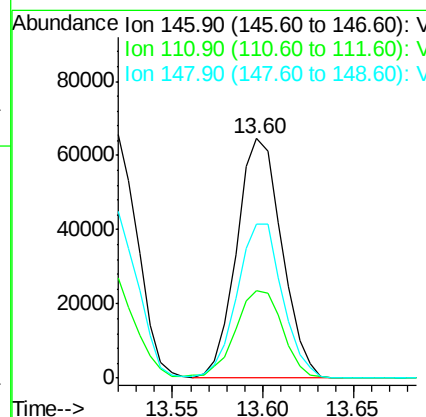
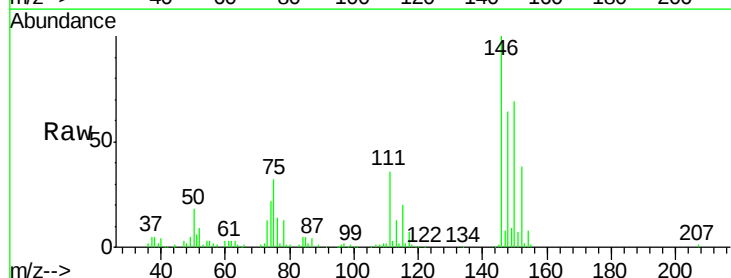
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

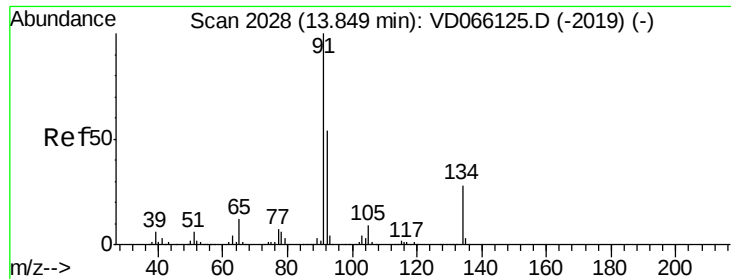
Tgt Ion:146 Resp: 109568
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.9 56.9
 148 67.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.026 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion:146 Resp: 112016
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 20.450 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD01

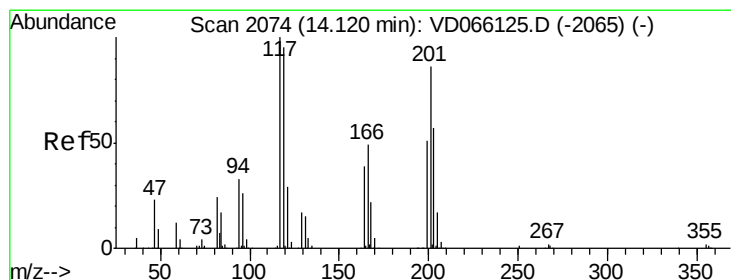
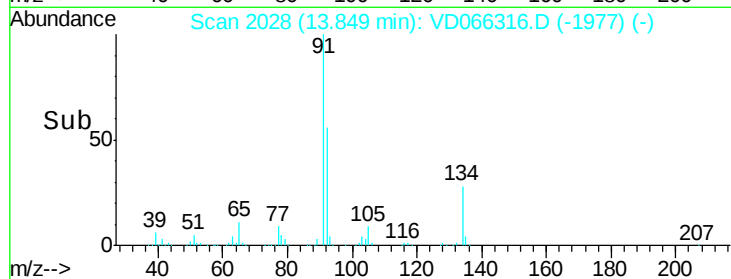
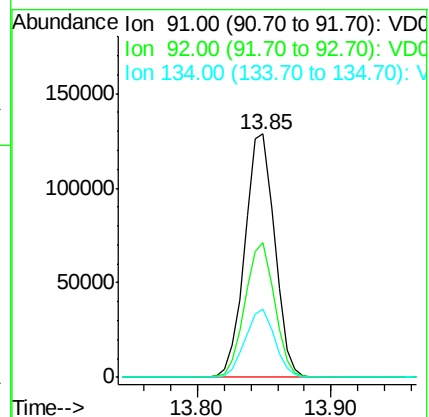
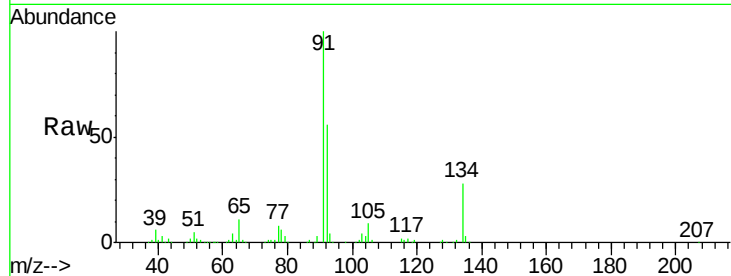
Tgt Ion: 91 Resp: 197831

Ion Ratio Lower Upper

91 100

92 54.9 26.8 80.3

134 27.9 14.0 41.9



#90

Hexachloroethane

Concen: 19.832 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD066316.D

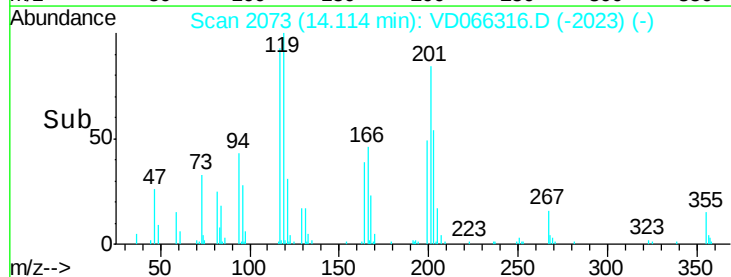
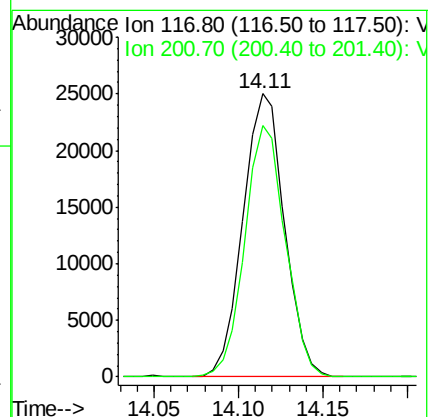
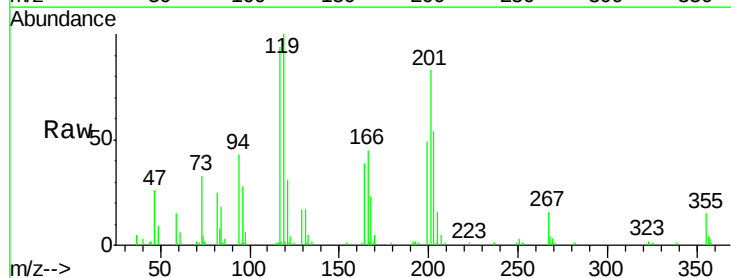
Acq: 19 Aug 2020 14:05

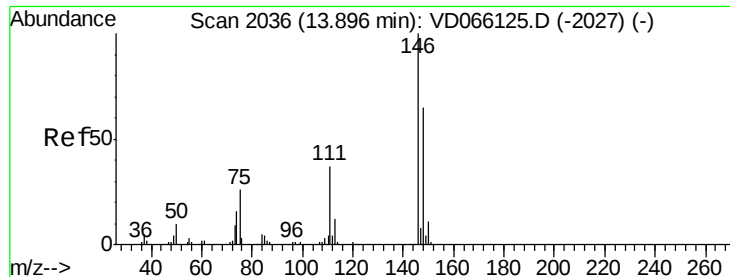
Tgt Ion: 117 Resp: 42707

Ion Ratio Lower Upper

117 100

201 86.8 42.7 128.1

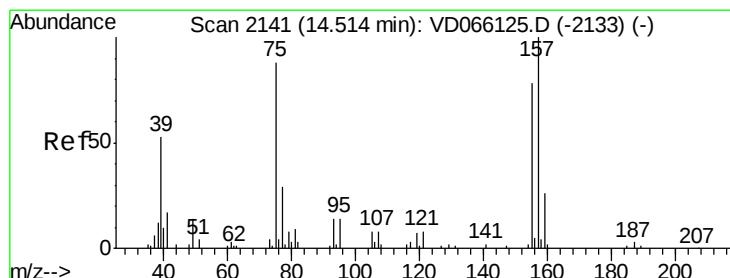
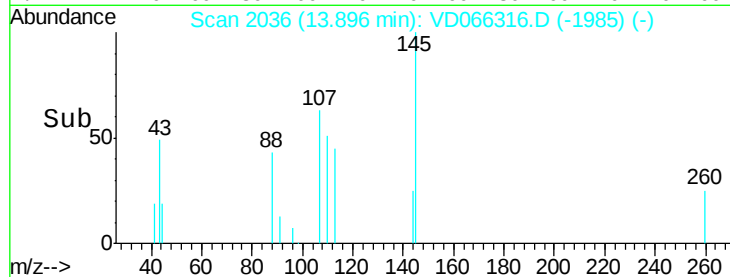
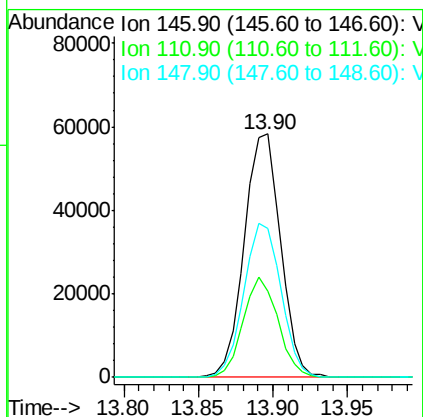
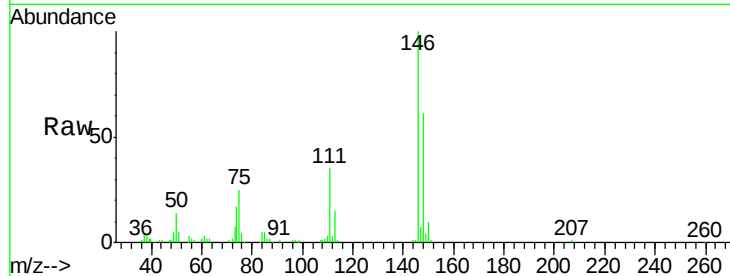




#91
 1,2-Dichlorobenzene
 Concen: 19.763 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

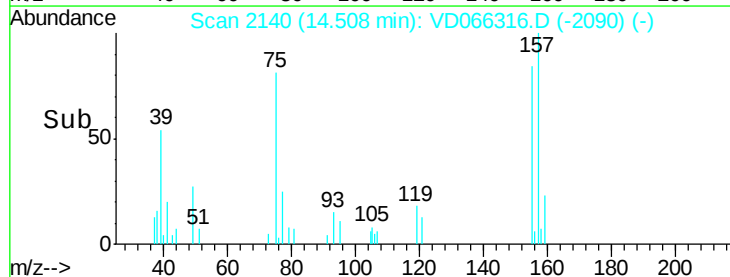
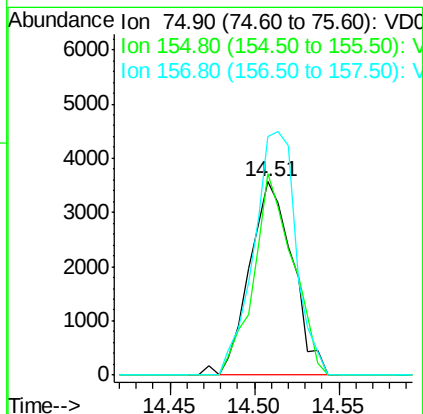
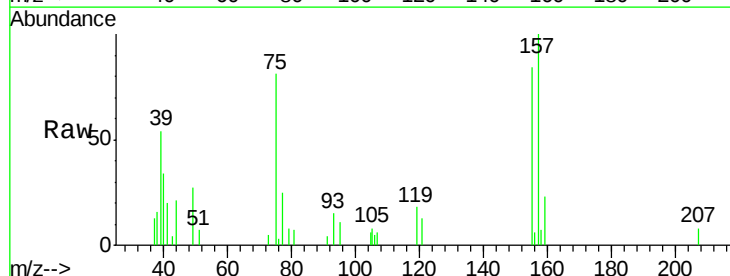
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

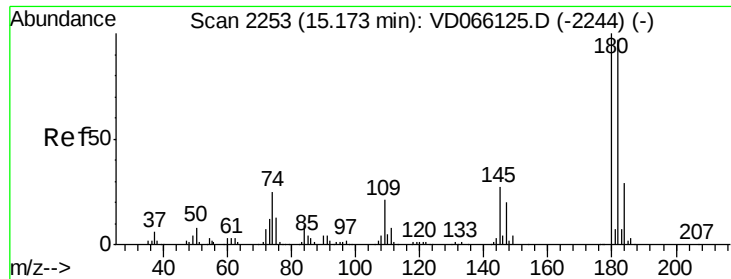
Tgt Ion:146 Resp: 98033
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.8 56.3
 148 64.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.658 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 75 Resp: 6339
 Ion Ratio Lower Upper
 75 100
 155 94.8 47.7 143.1
 157 123.4 62.1 186.2

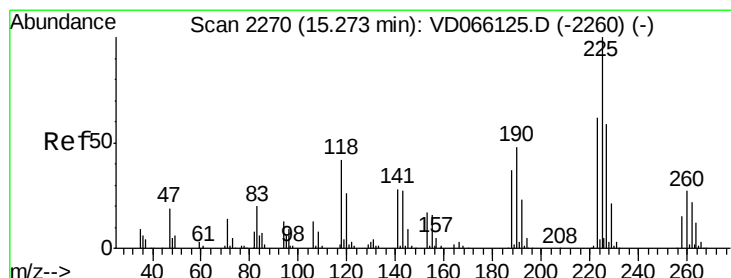
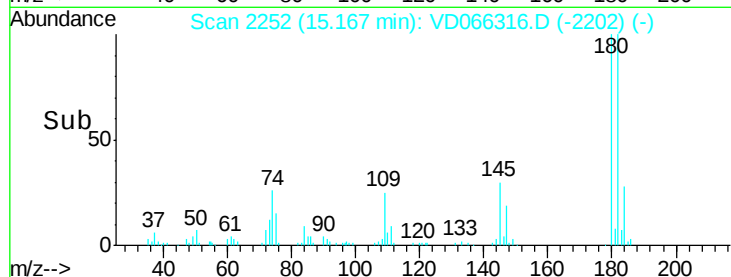
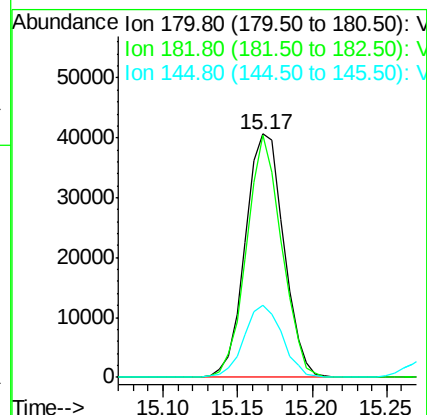
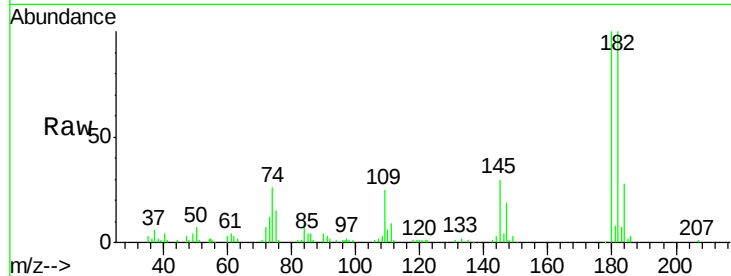




#93
 1,2,4-Trichlorobenzene
 Concen: 19.774 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

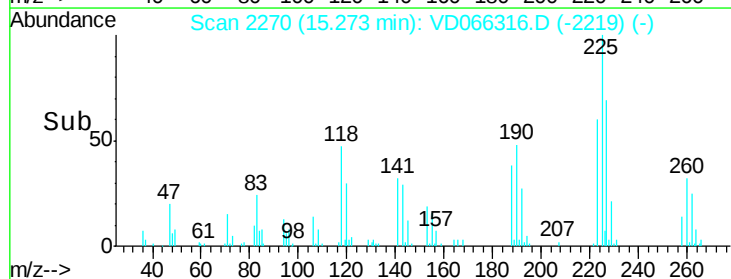
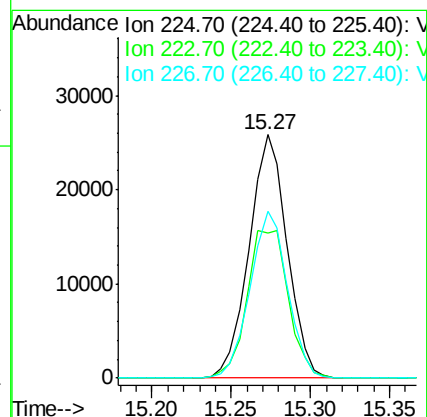
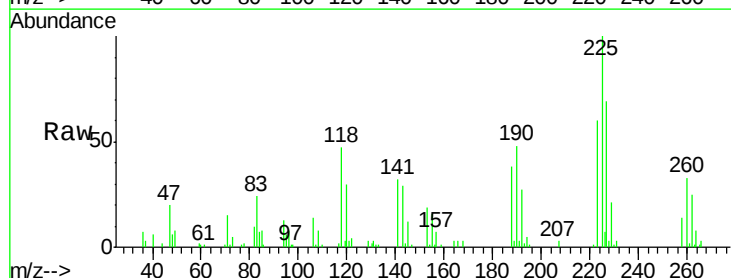
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

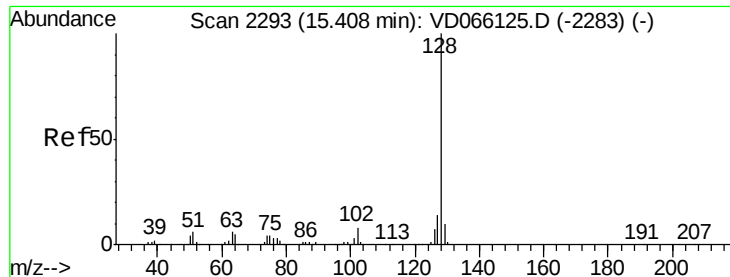
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.2
145	29.7	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 20.090 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.3	96.9
227	67.4	32.1	96.5

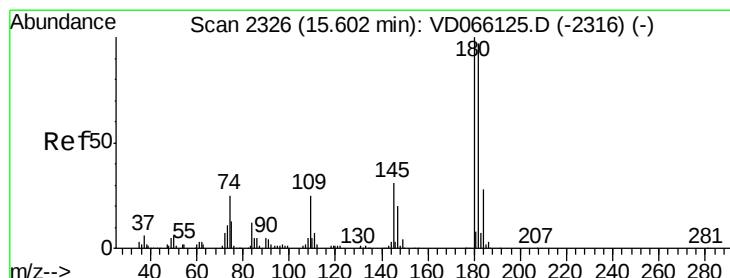
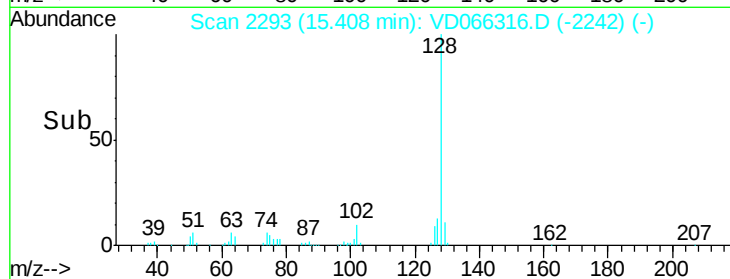
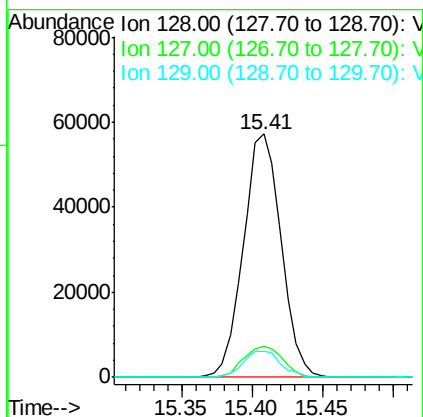
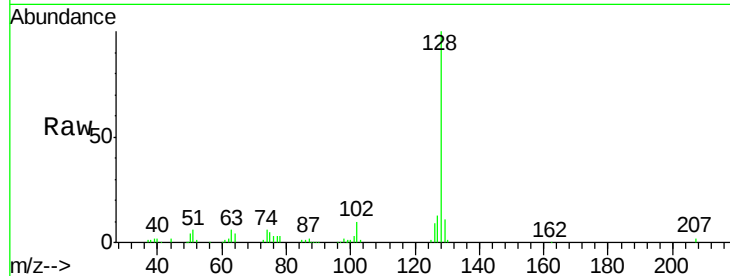




#95
Naphthalene
Concen: 18.047 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tgt Ion:128 Resp: 107492
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.619 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:180 Resp: 60081
Ion Ratio Lower Upper
180 100
182 98.1 47.1 141.4
145 33.2 14.9 44.9

