

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066414.D
 Acq On : 26 Aug 2020 12:19
 Operator : VA/SY
 Sample : VD0826SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Quant Time: Aug 27 07:27:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	191280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	261238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	242123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129729	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	102187	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
35) Dibromofluoromethane	7.91	113	86652	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	10.33	98	327279	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.63	95	118327	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	33794	20.781	ug/l	99
3) Chloromethane	2.21	50	20825	18.067	ug/l	98
4) Vinyl Chloride	2.34	62	23122	18.683	ug/l	94
5) Bromomethane	2.75	94	19481	21.045	ug/l	97
6) Chloroethane	2.91	64	15051	18.992	ug/l	91
7) Trichlorofluoromethane	3.27	101	68323	20.302	ug/l	98
8) Diethyl Ether	3.71	74	13547	17.966	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31591	19.021	ug/l	97
10) Methyl Iodide	4.30	142	26215	13.839	ug/l	89
11) Tert butyl alcohol	5.19	59	7655	33.124	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	28879	18.524	ug/l	93
13) Acrolein	3.92	56	6700	80.456	ug/l	96
14) Allyl chloride	4.71	41	34543	16.600	ug/l	87
15) Acrylonitrile	5.41	53	26590	87.891	ug/l	98
16) Acetone	4.16	43	28902	85.487	ug/l	99
17) Carbon Disulfide	4.41	76	79753	16.880	ug/l	97
18) Methyl Acetate	4.71	43	10785	16.997	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	71601	19.074	ug/l	99
20) Methylene Chloride	4.96	84	37909	16.775	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	31640	17.435	ug/l	95
22) Diisopropyl ether	6.36	45	70544	17.510	ug/l #	91
23) Vinyl Acetate	6.30	43	215912	86.570	ug/l	96
24) 1,1-Dichloroethane	6.26	63	51262	18.005	ug/l	98
25) 2-Butanone	7.21	43	33308	86.782	ug/l	96
26) 2,2-Dichloropropane	7.20	77	57528	18.853	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	35741	18.380	ug/l	97
28) Bromochloromethane	7.54	49	16785	17.115	ug/l	89
29) Tetrahydrofuran	7.55	42	17950	82.339	ug/l	92
30) Chloroform	7.70	83	62210	18.886	ug/l	99
31) Cyclohexane	7.98	56	43893	16.857	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	68464	20.308	ug/l	99
36) 1,1-Dichloropropene	8.11	75	45917	19.264	ug/l	97
37) Ethyl Acetate	7.29	43	14524	17.915	ug/l #	93
38) Carbon Tetrachloride	8.09	117	66747	21.493	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066414.D
 Acq On : 26 Aug 2020 12:19
 Operator : VA/SY
 Sample : VD0826SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0826SBS01

Quant Time: Aug 27 07:27:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	54646	19.462	ug/l	95
40) Benzene	8.35	78	119873	19.117	ug/l	97
41) Methacrylonitrile	7.53	41	10107	20.216	ug/l #	90
42) 1,2-Dichloroethane	8.41	62	46306	20.967	ug/l	98
43) Isopropyl Acetate	8.44	43	29329	18.024	ug/l	97
44) Trichloroethene	9.11	130	40836	20.042	ug/l	98
45) 1,2-Dichloropropane	9.38	63	25292	17.792	ug/l	98
46) Dibromomethane	9.47	93	16852	19.040	ug/l	96
47) Bromodichloromethane	9.66	83	49133	20.185	ug/l	98
48) Methyl methacrylate	9.45	41	14555	17.346	ug/l	93
49) 1,4-Dioxane	9.46	88	3635	353.687	ug/l #	85
51) 4-Methyl-2-Pentanone	10.22	43	72990	92.724	ug/l	100
52) Toluene	10.40	92	84214	19.823	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	46051	19.939	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	47493	18.320	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	22361	18.662	ug/l	94
56) Ethyl methacrylate	10.66	69	25705	18.532	ug/l #	91
57) 1,3-Dichloropropane	10.94	76	39446	19.902	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	58169	100.971	ug/l	92
59) 2-Hexanone	10.98	43	50614	91.156	ug/l	100
60) Dibromochloromethane	11.14	129	35686	19.758	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23854	20.229	ug/l	89
64) Tetrachloroethene	10.87	164	36680	19.970	ug/l	92
65) Chlorobenzene	11.67	112	95653	19.857	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	38685	19.651	ug/l	99
67) Ethyl Benzene	11.74	91	165816	19.556	ug/l	96
68) m/p-Xylenes	11.85	106	131673	40.742	ug/l	99
69) o-Xylene	12.18	106	59875	19.914	ug/l	97
70) Styrene	12.20	104	105247	20.387	ug/l	99
71) Bromoform	12.36	173	23089	20.673	ug/l #	98
73) Isopropylbenzene	12.48	105	172475	19.846	ug/l	98
74) N-amyl acetate	12.29	43	26855	17.110	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	23181	18.672	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	35088	38.446	ug/l #	1
77) Bromobenzene	12.76	156	41710	18.910	ug/l	99
78) n-propylbenzene	12.82	91	193517	19.421	ug/l	99
79) 2-Chlorotoluene	12.91	91	109554	19.250	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	144543	19.263	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	6930	16.118	ug/l	86
82) 4-Chlorotoluene	13.01	91	118206	19.604	ug/l	99
83) tert-Butylbenzene	13.23	119	126195	19.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	147952	20.075	ug/l	98
85) sec-Butylbenzene	13.40	105	165676	19.402	ug/l	100
86) p-Isopropyltoluene	13.52	119	166536	20.226	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	81887	19.888	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	80299	19.423	ug/l	98
89) n-Butylbenzene	13.85	91	137926	18.983	ug/l	100
90) Hexachloroethane	14.12	117	30313	18.637	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	69763	19.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5353	20.559	ug/l	87

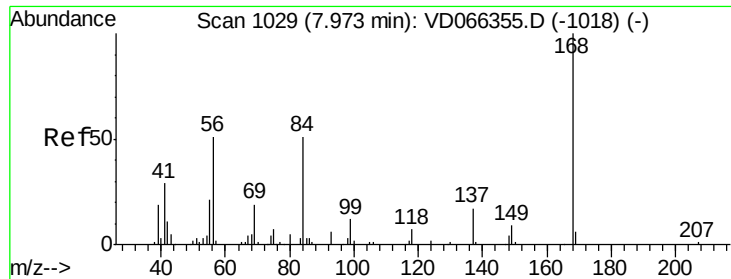
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066414.D
Acq On : 26 Aug 2020 12:19
Operator : VA/SY
Sample : VD0826SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

Quant Time: Aug 27 07:27:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53820	19.450	ug/l	98
94) Hexachlorobutadiene	15.28	225	32743	19.041	ug/l	99
95) Naphthalene	15.41	128	81326	18.712	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	46328	19.544	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

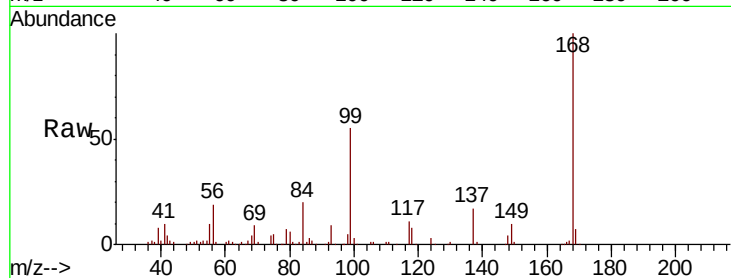
VD0826SBSD01

Tot Ion:168 Resp: 191280

Ion Ratio Lower Upper

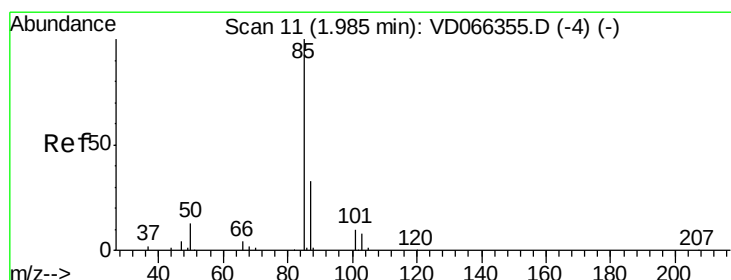
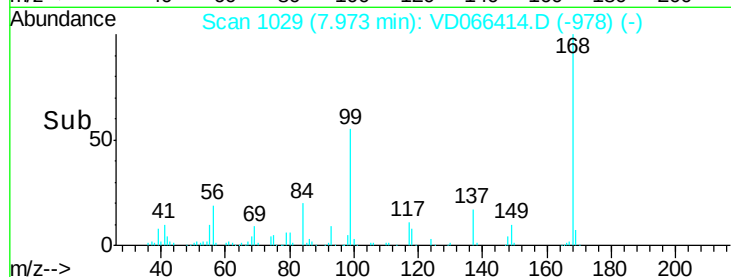
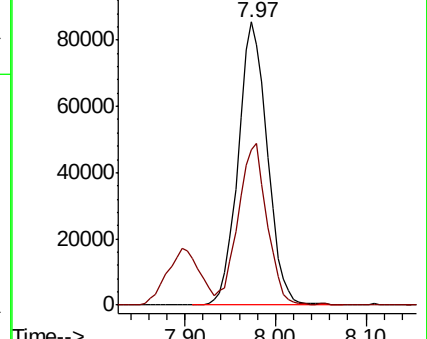
168 100

99 54.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.781 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066414.D

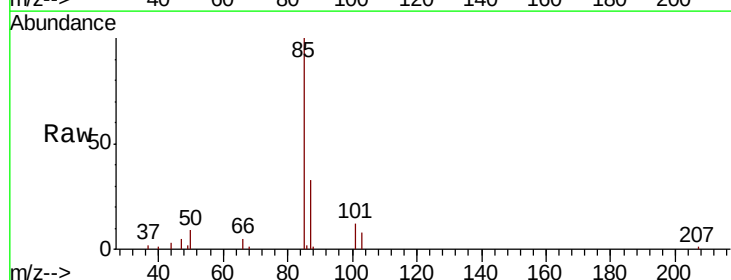
Acq: 26 Aug 2020 12:19

Tgt Ion: 85 Resp: 33794

Ion Ratio Lower Upper

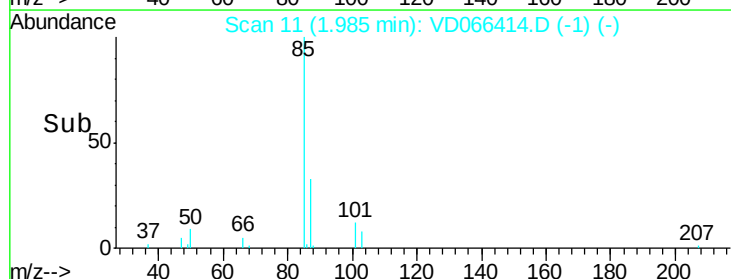
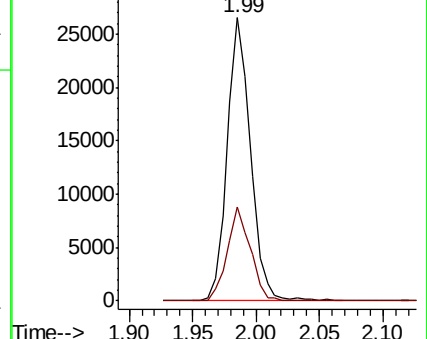
85 100

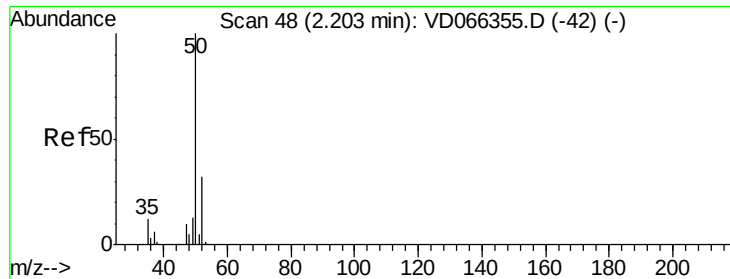
87 33.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.067 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

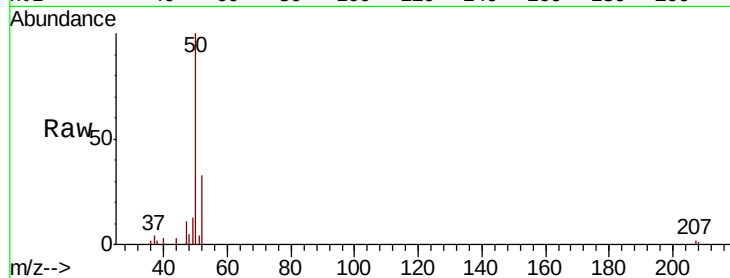
VD0826SBSD01

Tot Ion: 50 Resp: 20825

Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

15000

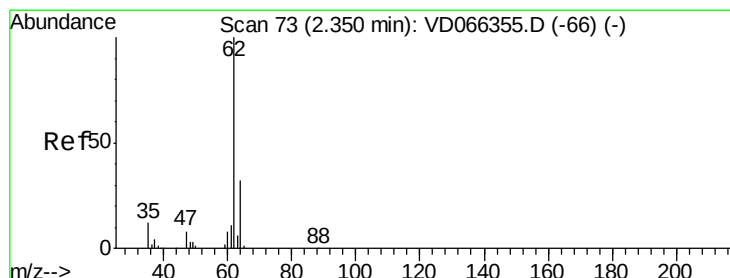
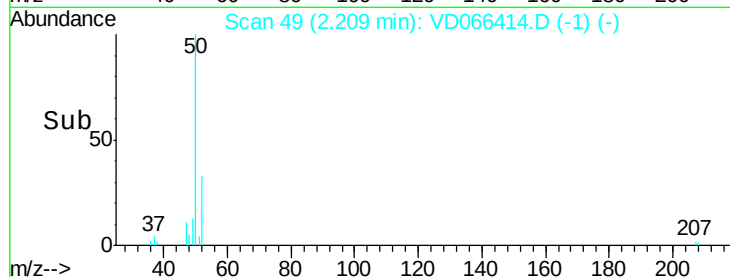
10000

5000

0

2.15 2.20 2.25

Time-->



#4

Vinyl Chloride

Concen: 18.683 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066414.D

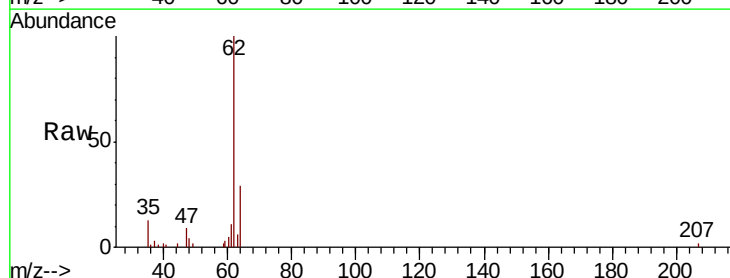
Acq: 26 Aug 2020 12:19

Tgt Ion: 62 Resp: 23122

Ion Ratio Lower Upper

62 100

64 28.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

15000

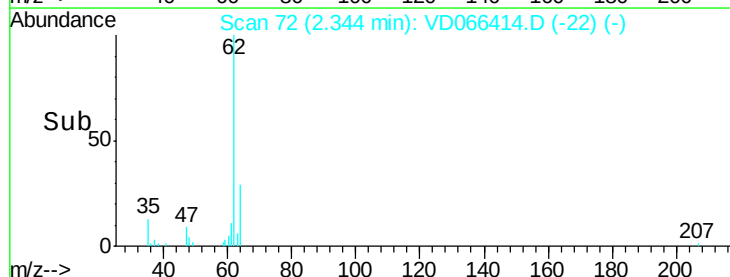
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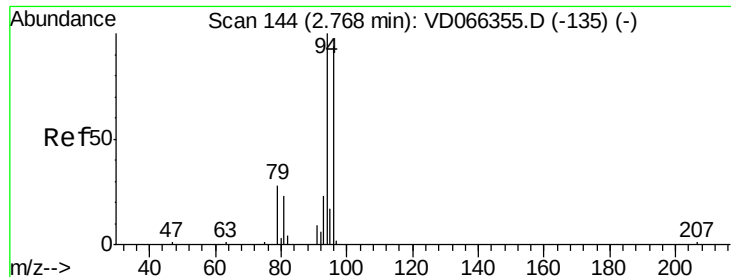
5000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 21.045 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

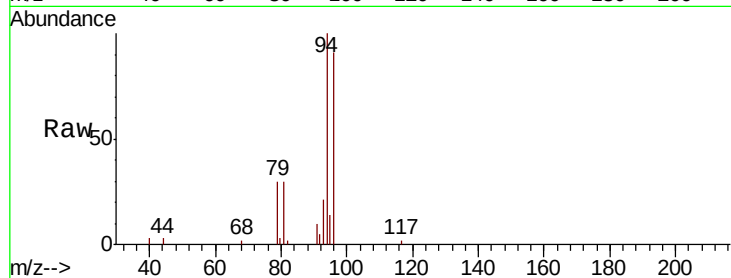
VD0826SBSD01

Tot Ion: 94 Resp: 19481

Ion Ratio Lower Upper

94 100

96 90.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

10000

8000

6000

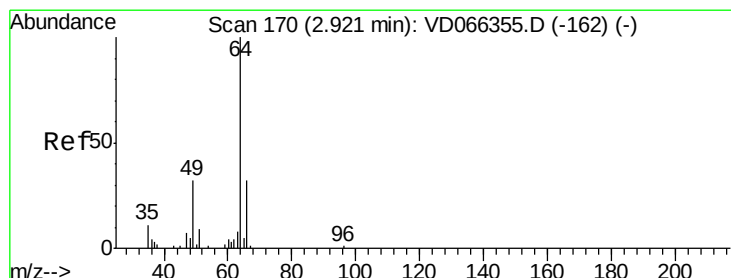
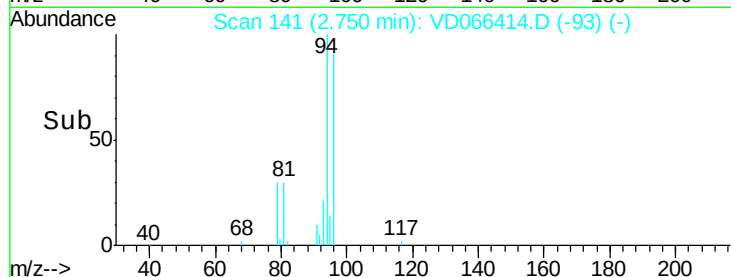
4000

2000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 18.992 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066414.D

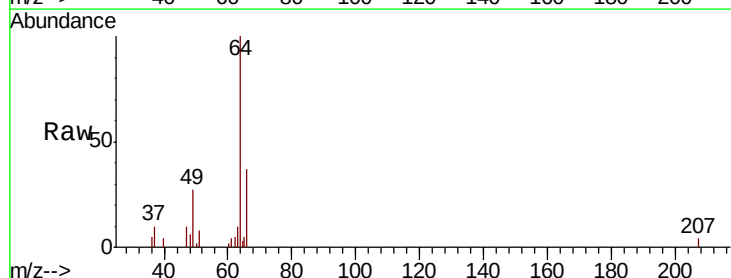
Acq: 26 Aug 2020 12:19

Tgt Ion: 64 Resp: 15051

Ion Ratio Lower Upper

64 100

66 37.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

8000

6000

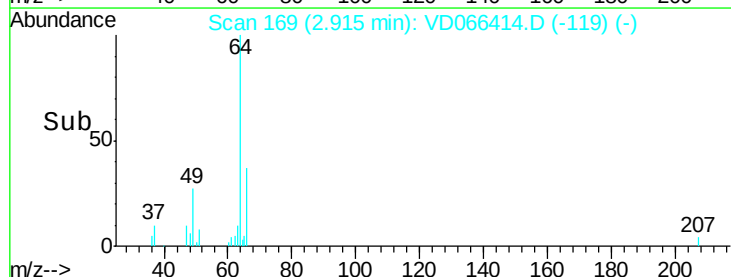
4000

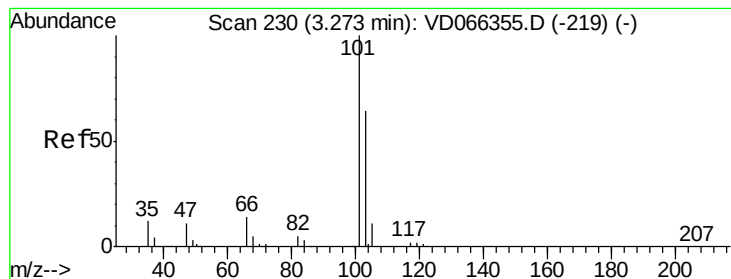
2000

0

Time-->

2.85 2.90 2.95 3.00



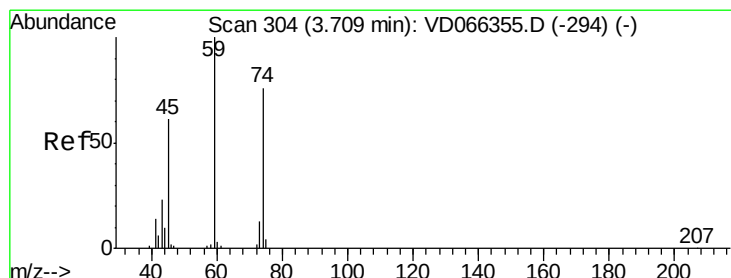
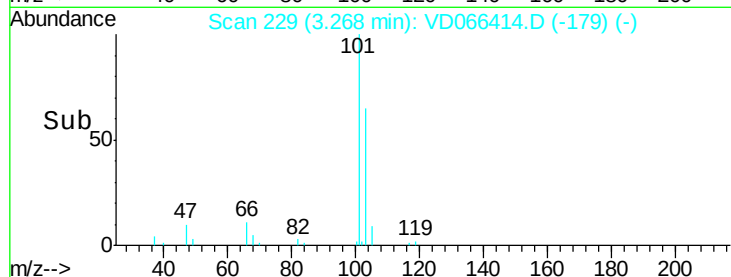
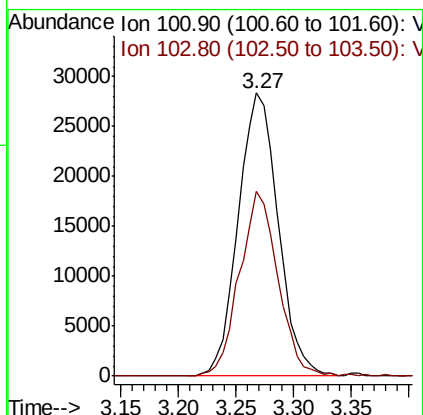
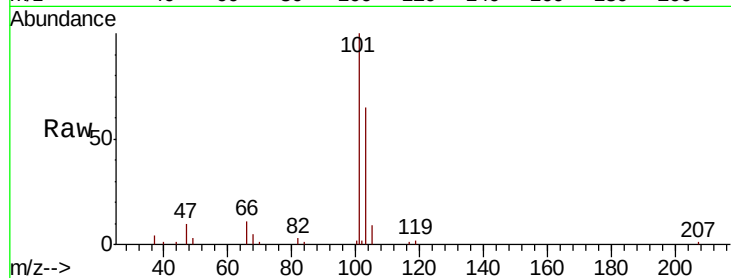


#7

Trichlorofluoromethane
 Concen: 20.302 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

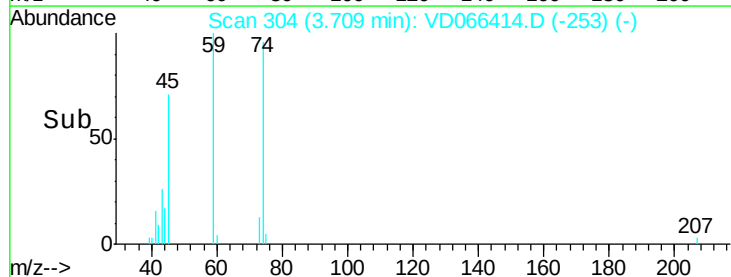
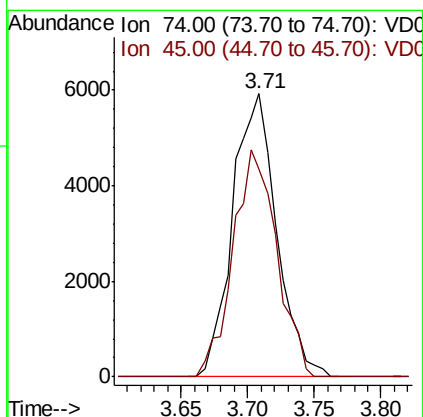
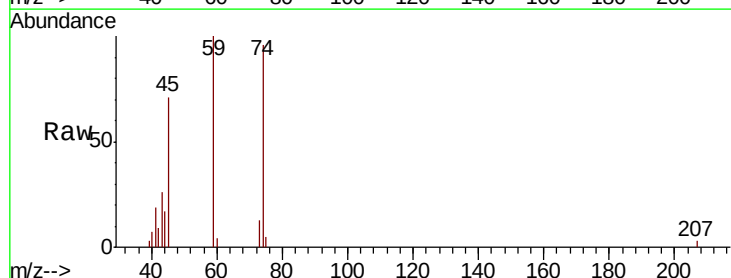
Tot Ion:101 Resp: 68323
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.0

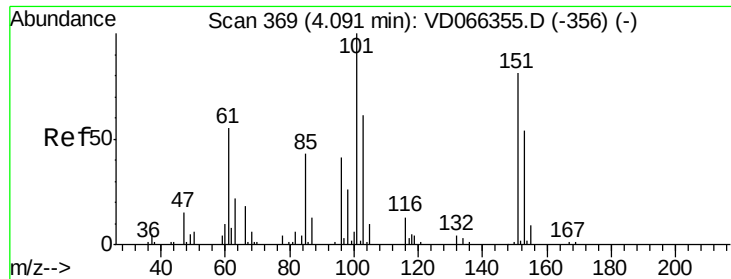


#8

Diethyl Ether
 Concen: 17.966 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 74 Resp: 13547
 Ion Ratio Lower Upper
 74 100
 45 79.9 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.021 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

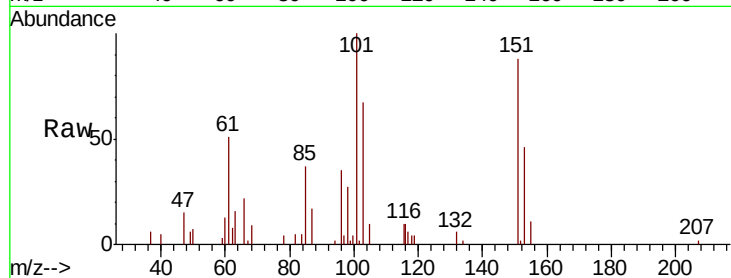
Tot Ion:101 Resp: 31591

Ion Ratio Lower Upper

101 100

85 47.3 36.4 54.6

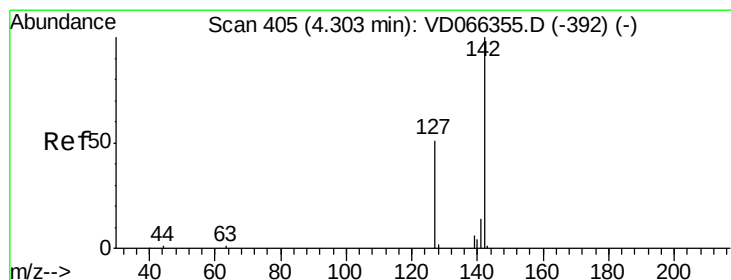
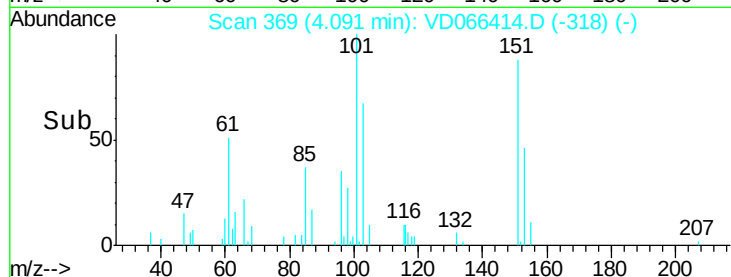
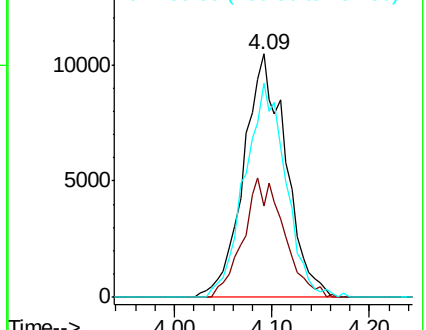
151 85.7 70.5 105.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.839 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

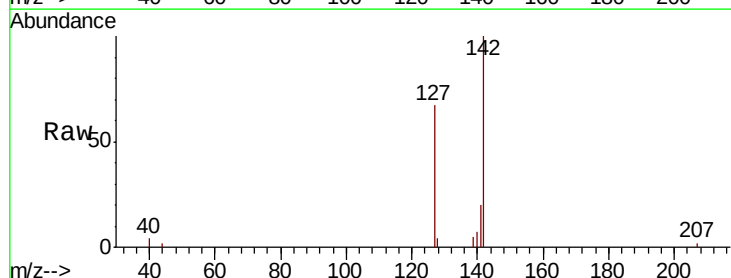
Tgt Ion:142 Resp: 26215

Ion Ratio Lower Upper

142 100

127 60.7 41.8 62.8

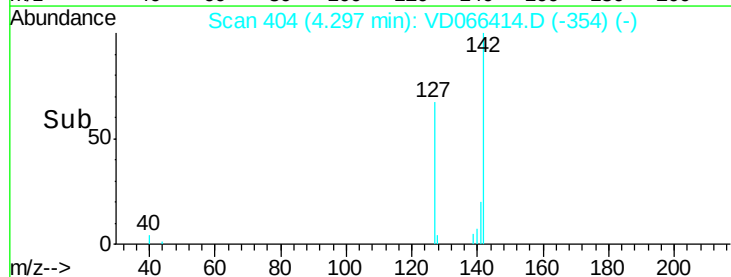
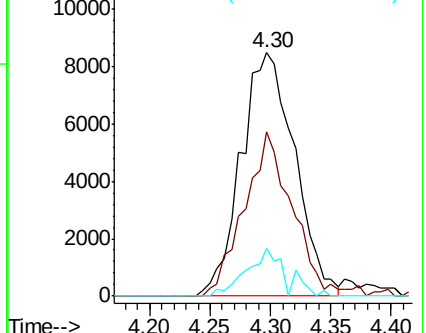
141 11.8 11.8 17.6

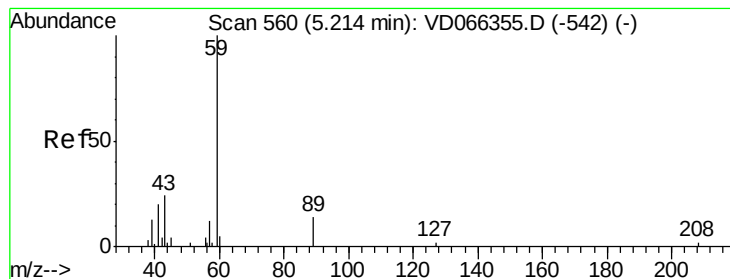


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 33.124 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

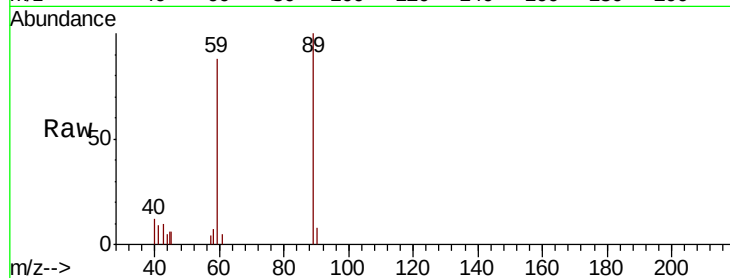
VD0826SBSD01

Tot Ion: 59 Resp: 7655

Ion Ratio Lower Upper

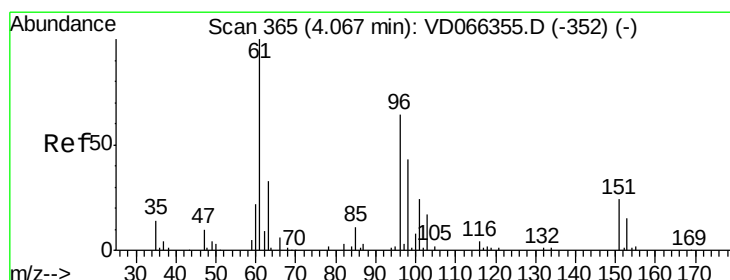
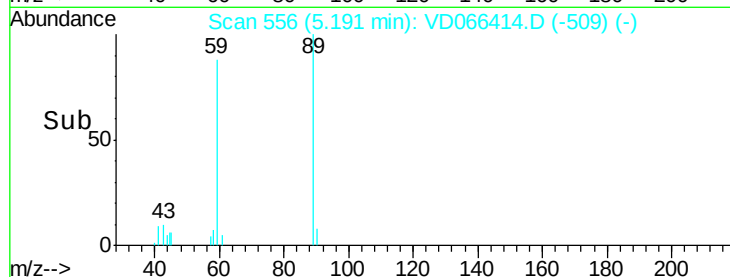
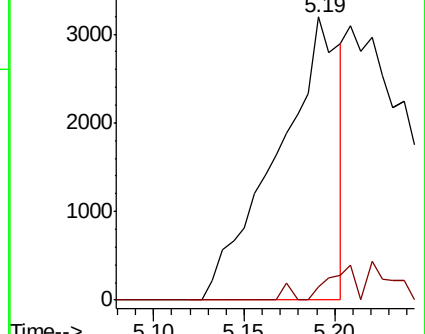
59 100

57 4.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 18.524 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

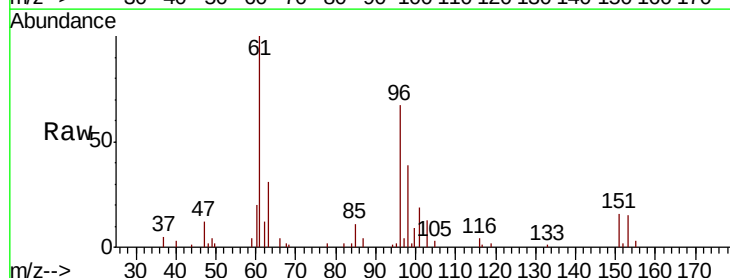
Tgt Ion: 96 Resp: 28879

Ion Ratio Lower Upper

96 100

61 148.6 124.3 186.5

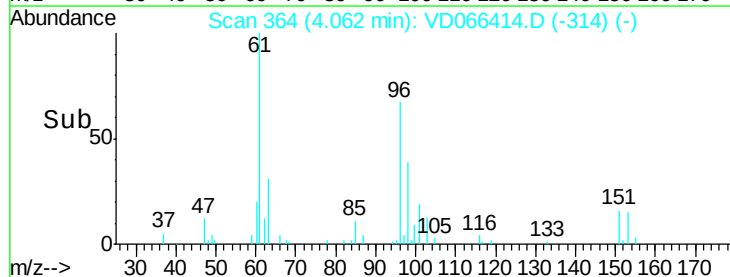
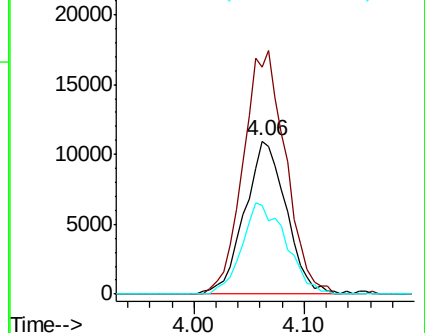
98 58.2 53.2 79.8

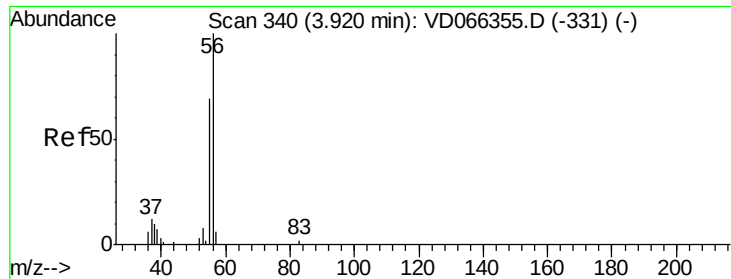


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 80.456 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

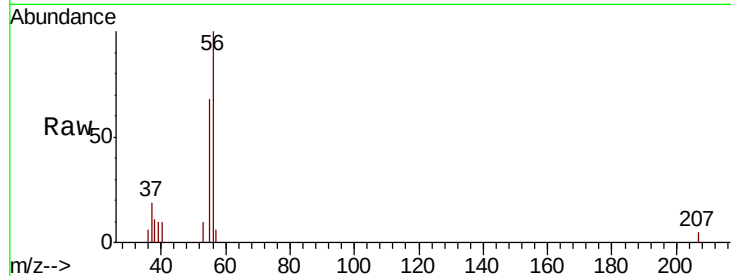
VD0826SBSD01

Tot Ion: 56 Resp: 6700

Ion Ratio Lower Upper

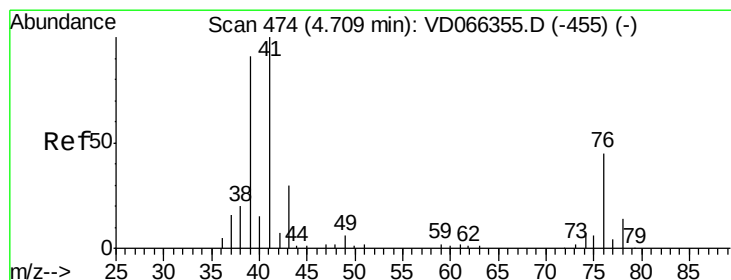
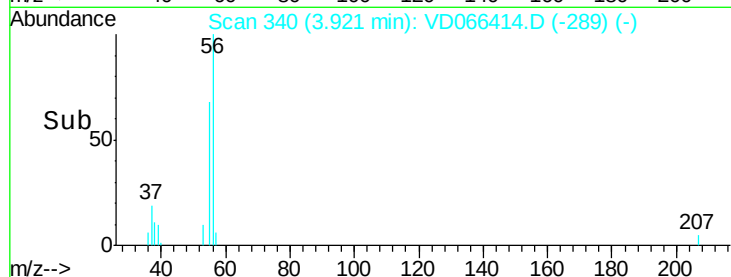
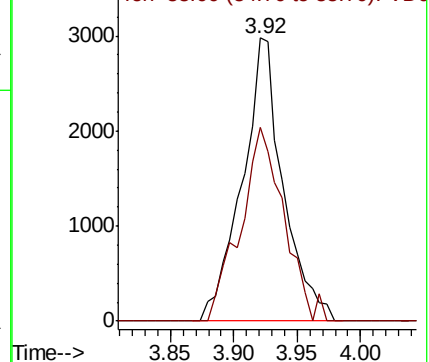
56 100

55 72.5 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 16.600 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

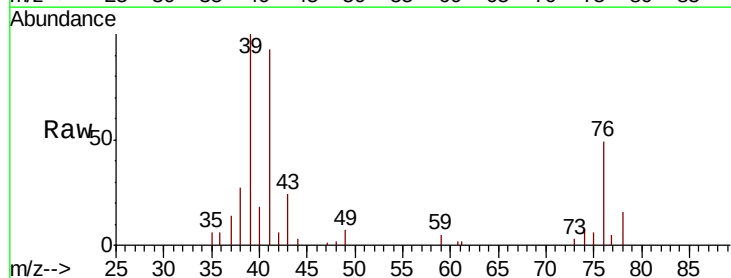
Tgt Ion: 41 Resp: 34543

Ion Ratio Lower Upper

41 100

39 104.8 72.8 109.2

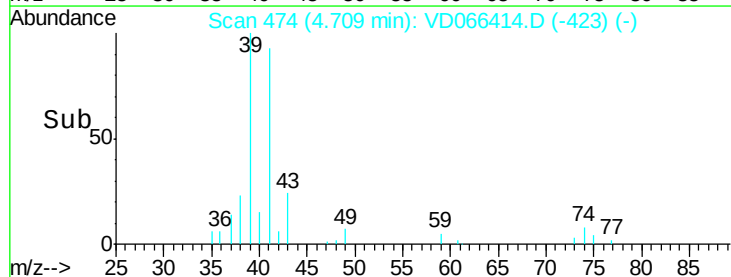
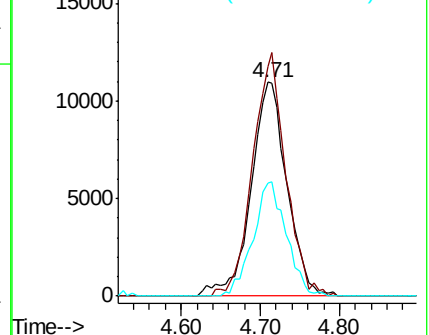
76 49.6 34.0 51.0

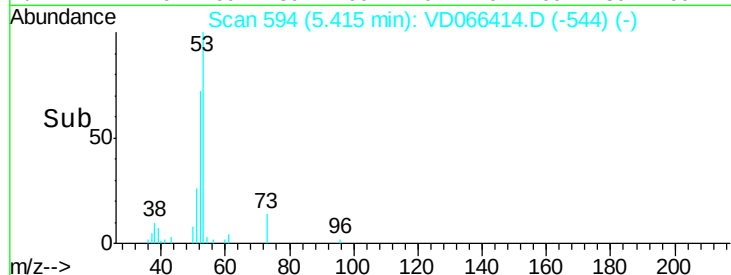
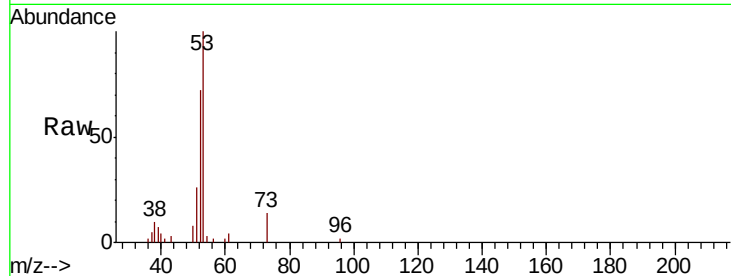
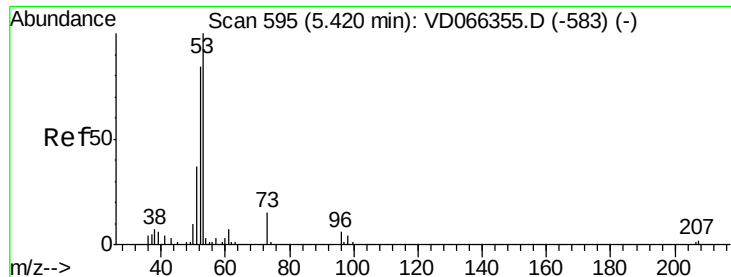


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 87.891 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

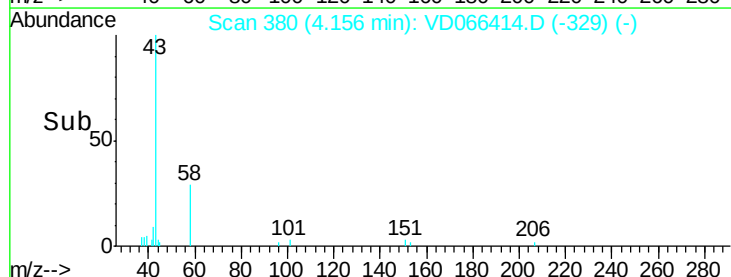
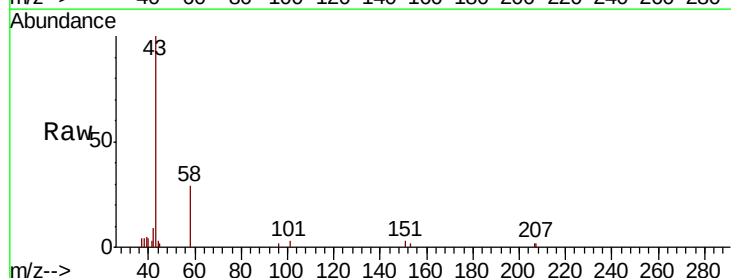
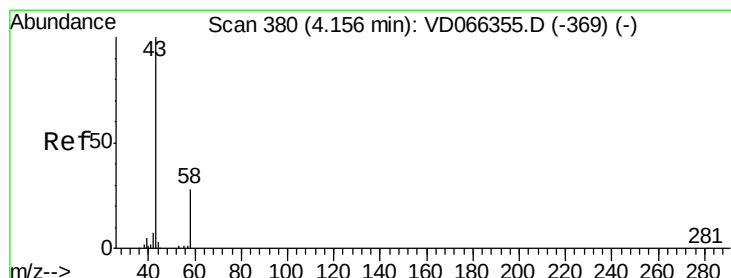
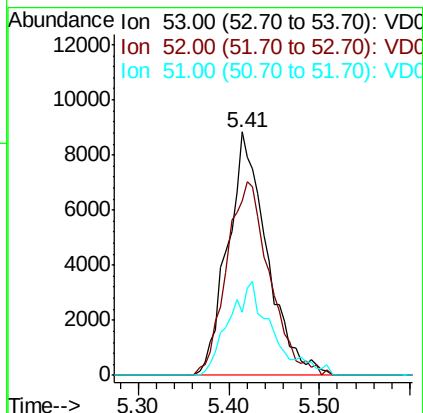
Tot Ion: 53 Resp: 26590

Ion Ratio Lower Upper

53 100

52 87.2 68.1 102.1

51 42.5 33.8 50.6



#16

Acetone

Concen: 85.487 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066414.D

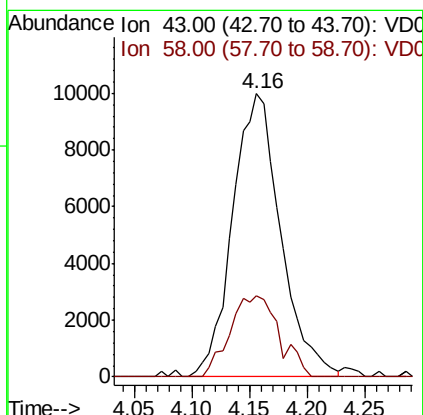
Acq: 26 Aug 2020 12:19

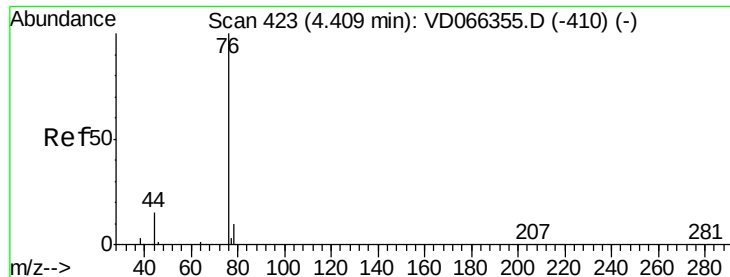
Tgt Ion: 43 Resp: 28902

Ion Ratio Lower Upper

43 100

58 28.7 22.7 34.1





#17

Carbon Disulfide

Concen: 16.880 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

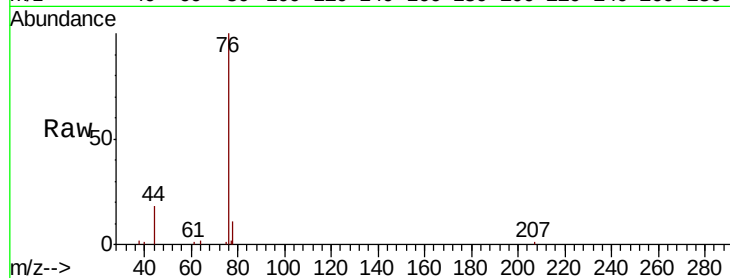
VD0826SBS01

Tot Ion: 76 Resp: 79753

Ion Ratio Lower Upper

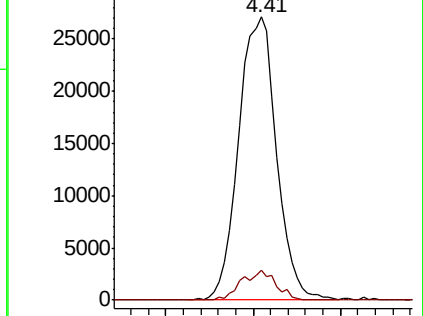
76 100

78 10.8 7.7 11.5

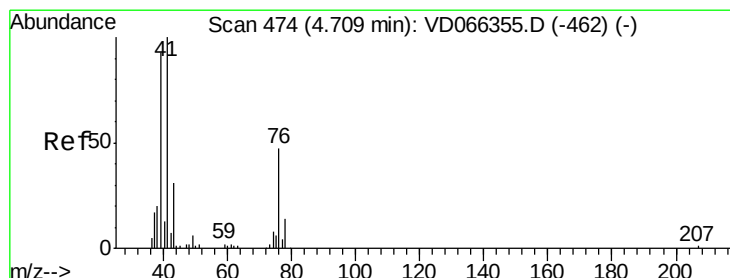
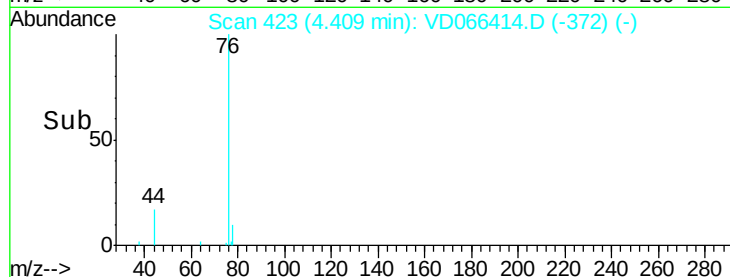


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 16.997 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066414.D

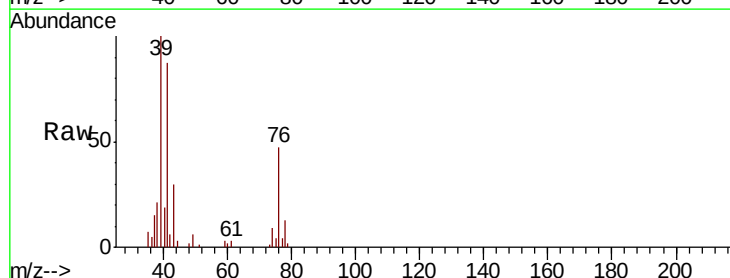
Acq: 26 Aug 2020 12:19

Tgt Ion: 43 Resp: 10785

Ion Ratio Lower Upper

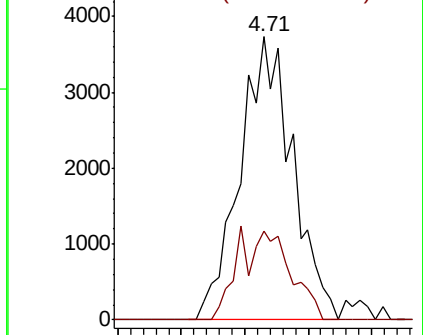
43 100

74 21.8 21.0 31.6

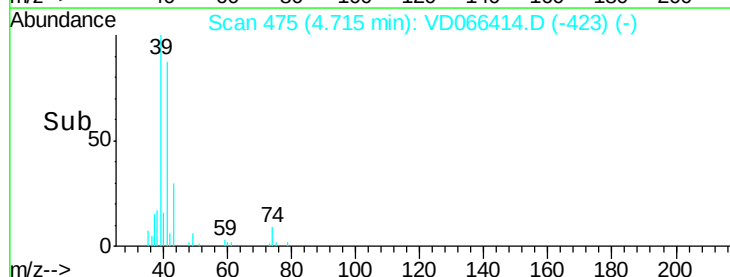


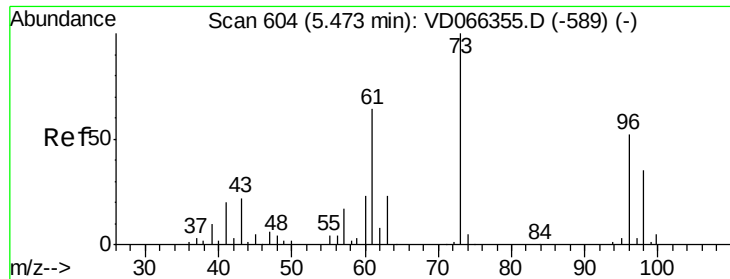
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

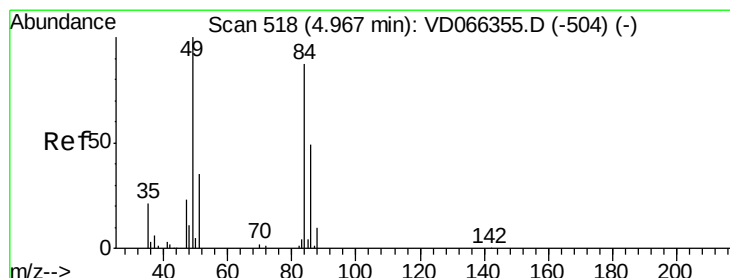
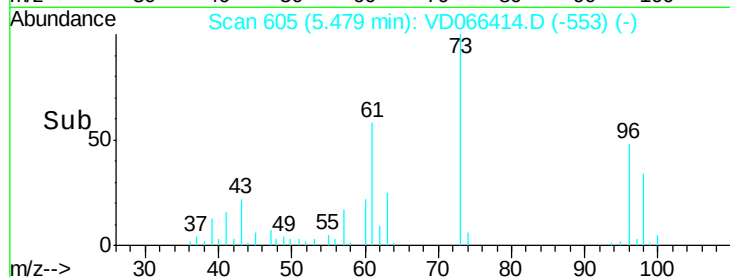
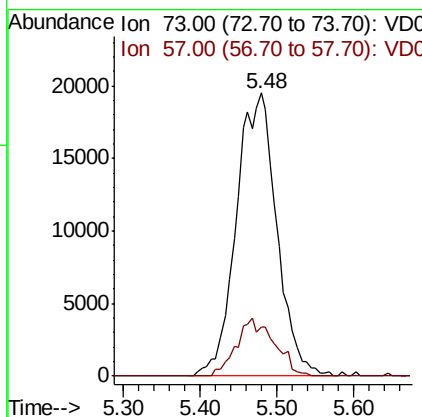
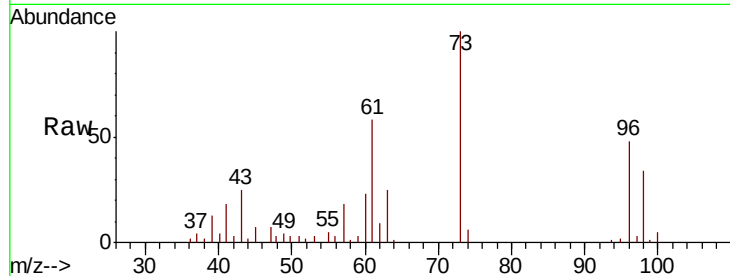




#19
Methyl tert-butyl Ether
Concen: 19.074 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

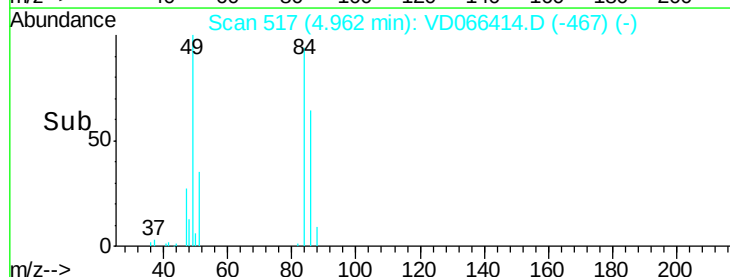
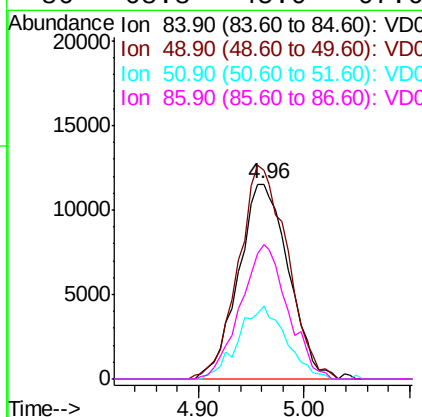
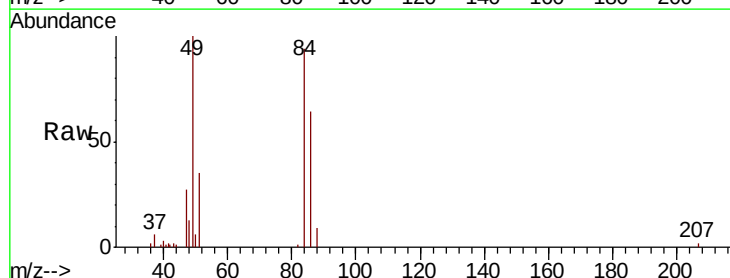
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

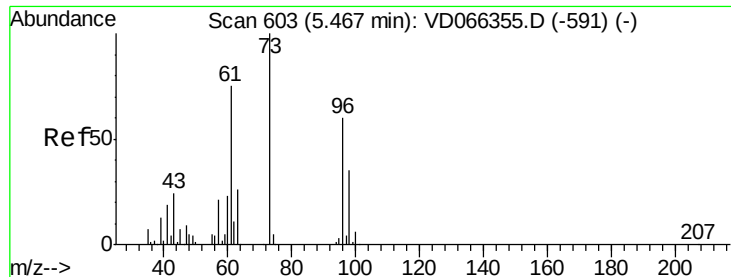
Tot Ion: 73 Resp: 71601
Ion Ratio Lower Upper
73 100
57 17.5 13.8 20.6



#20
Methylene Chloride
Concen: 16.775 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 84 Resp: 37909
Ion Ratio Lower Upper
84 100
49 106.9 92.5 138.7
51 37.6 32.5 48.7
86 68.8 45.0 67.6#





#21

trans-1,2-Dichloroethene

Concen: 17.435 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

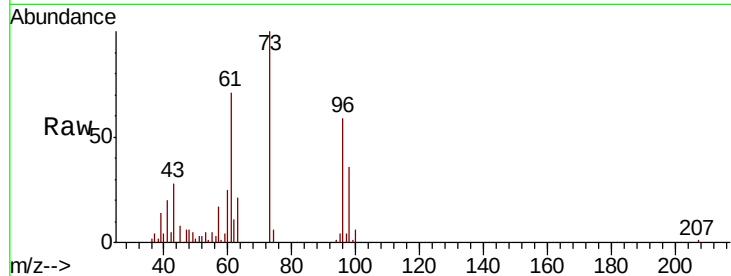
Tot Ion: 96 Resp: 31640

Ion Ratio Lower Upper

96 100

61 119.6 101.1 151.7

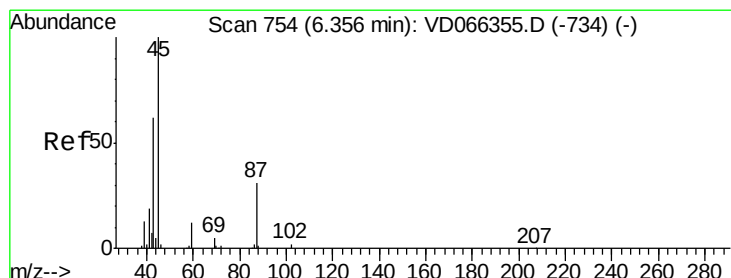
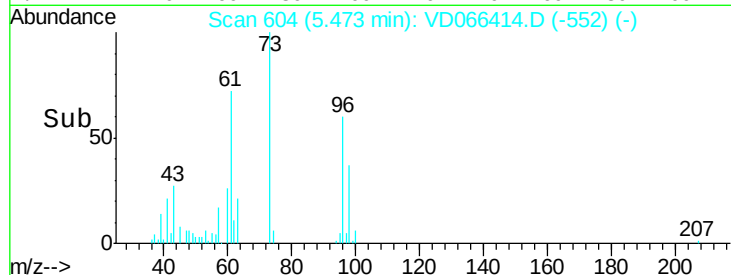
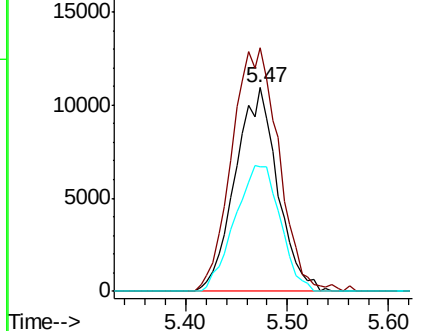
98 61.3 47.0 70.6



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



#22

Diisopropyl ether

Concen: 17.510 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Tgt Ion: 45 Resp: 70544

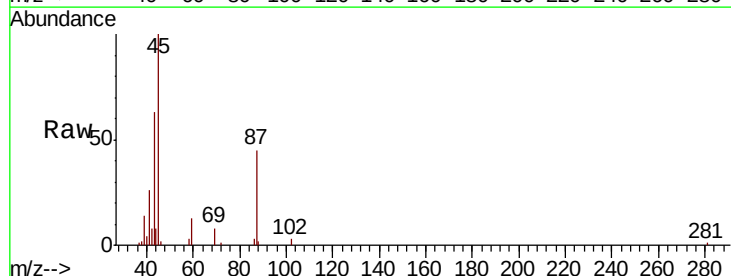
Ion Ratio Lower Upper

45 100

43 60.8 49.8 74.8

87 44.9 25.0 37.6#

59 12.6 9.6 14.4

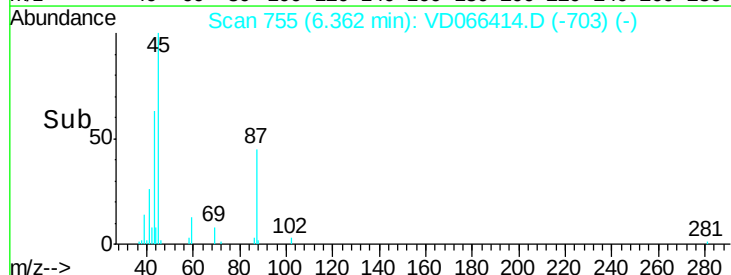
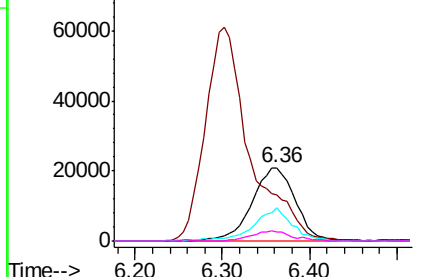


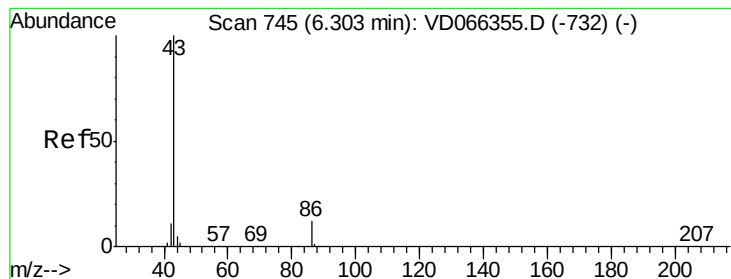
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 86.570 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

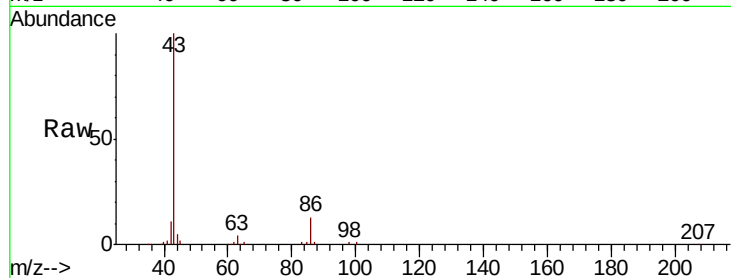
VD0826SBSD01

Tot Ion: 43 Resp: 215912

Ion Ratio Lower Upper

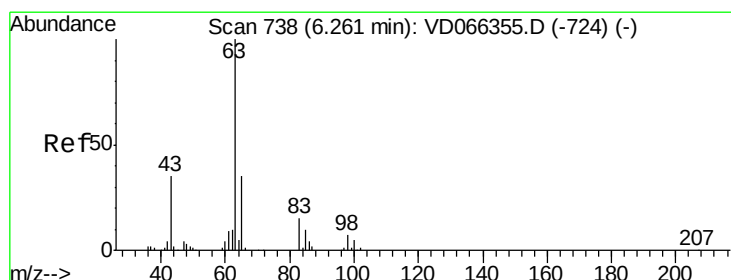
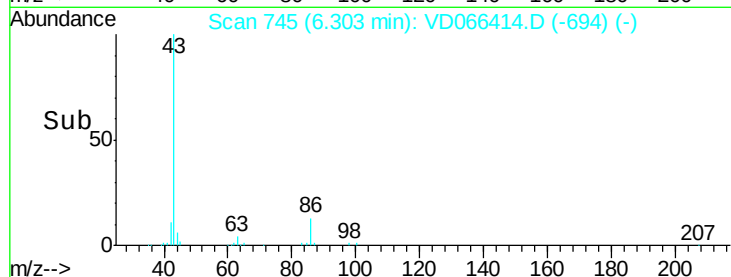
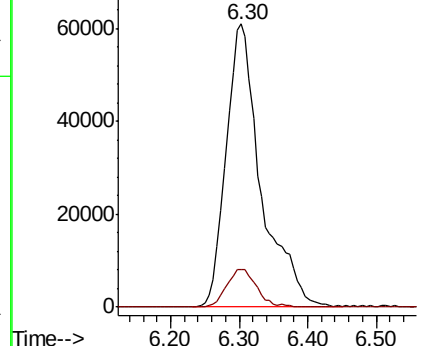
43 100

86 13.4 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.005 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

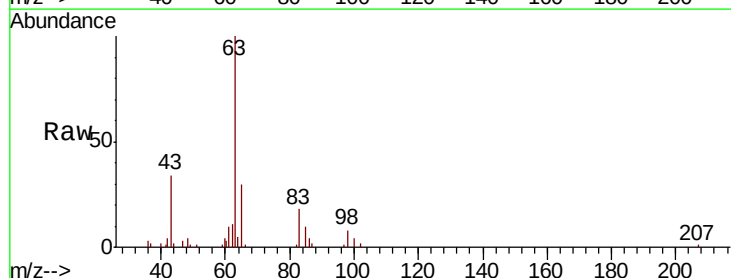
Tgt Ion: 63 Resp: 51262

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.6

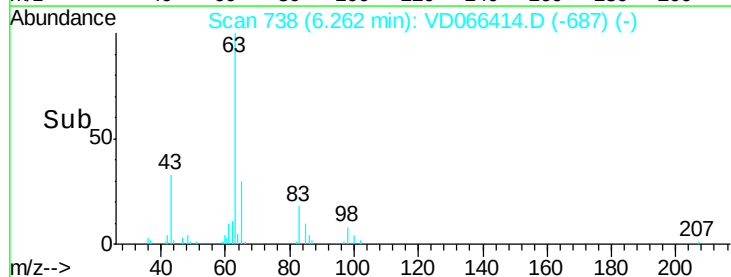
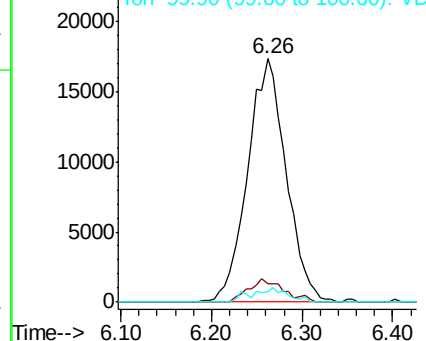
100 4.3 2.5 7.6

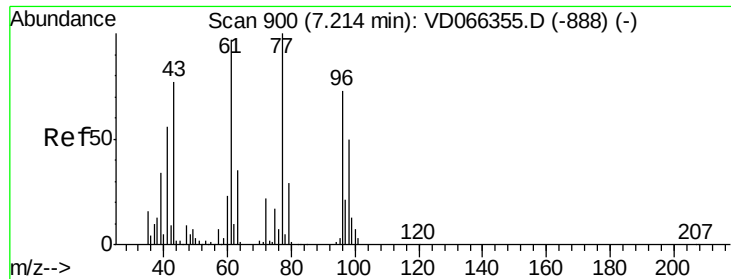


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.782 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

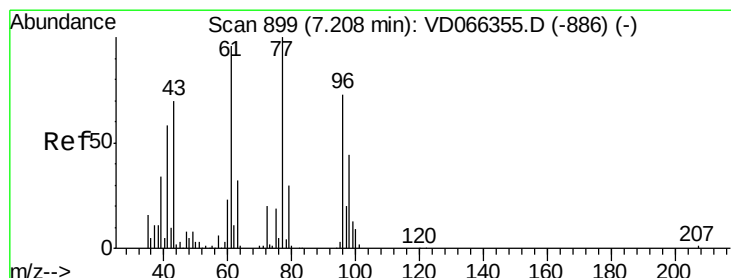
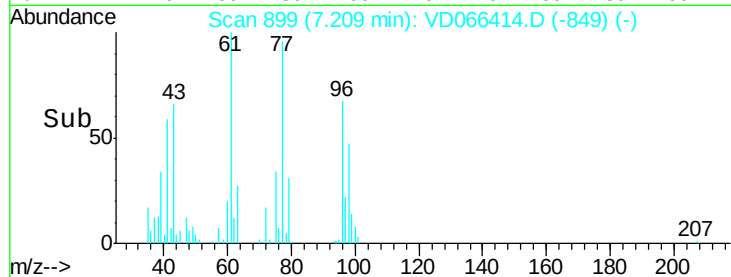
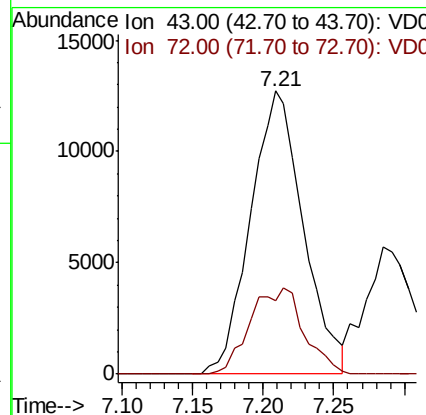
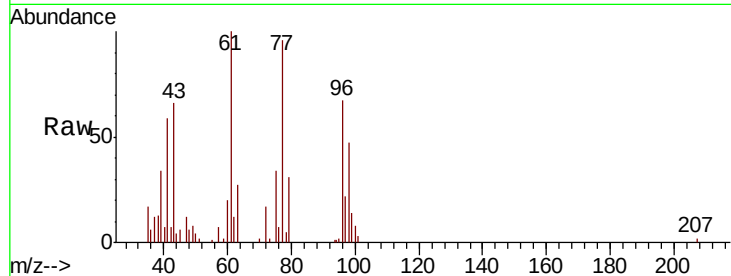
VD0826SBSD01

Tot Ion: 43 Resp: 33308

Ion Ratio Lower Upper

43 100

72 25.9 22.5 33.7



#26

2,2-Dichloropropane

Concen: 18.853 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066414.D

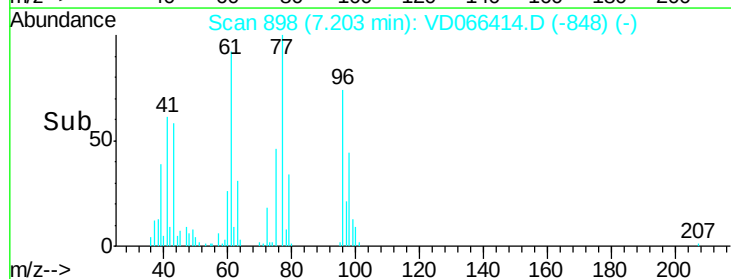
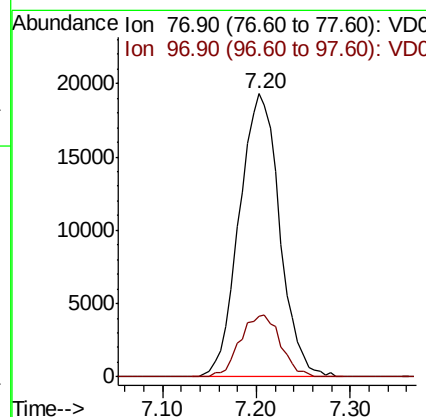
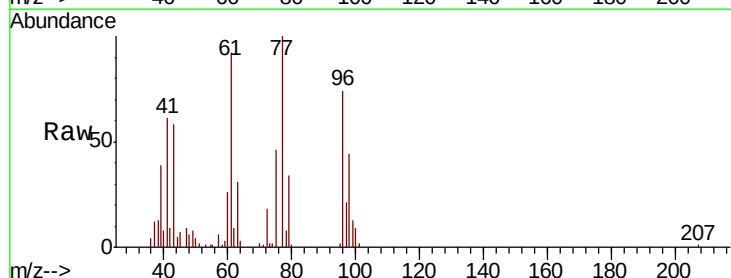
Acq: 26 Aug 2020 12:19

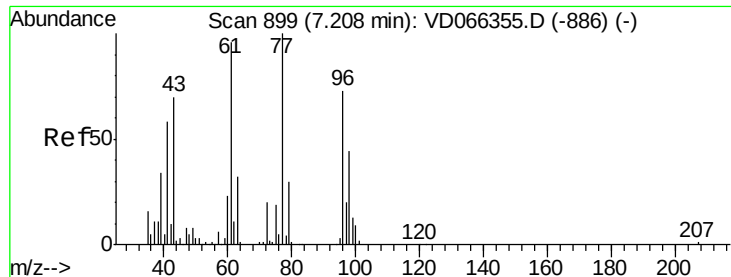
Tgt Ion: 77 Resp: 57528

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9



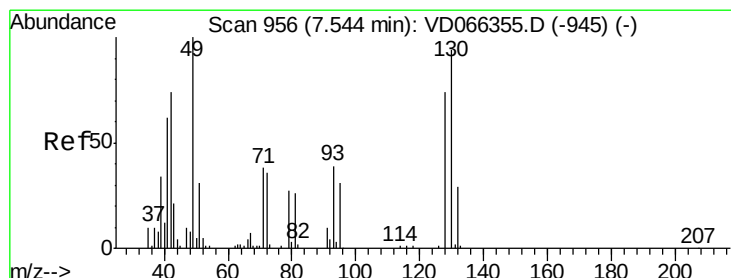
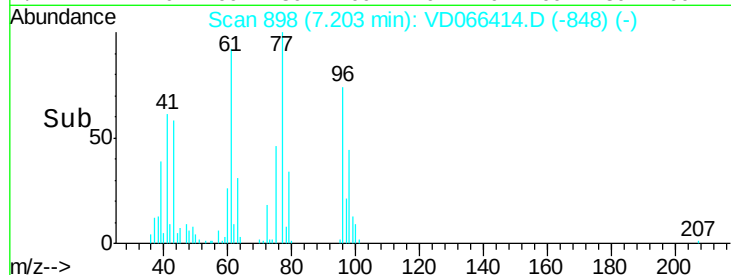
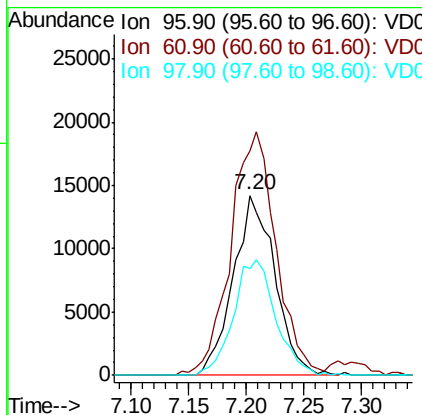
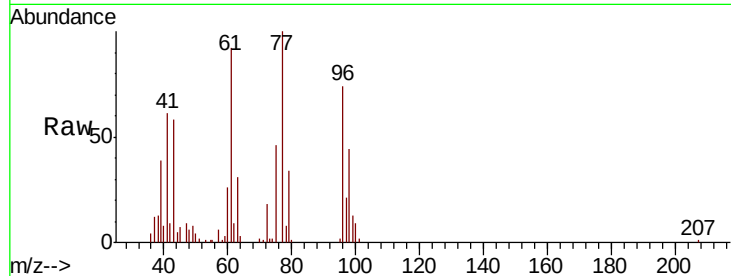


#27

cis-1,2-Dichloroethene
 Concen: 18.380 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

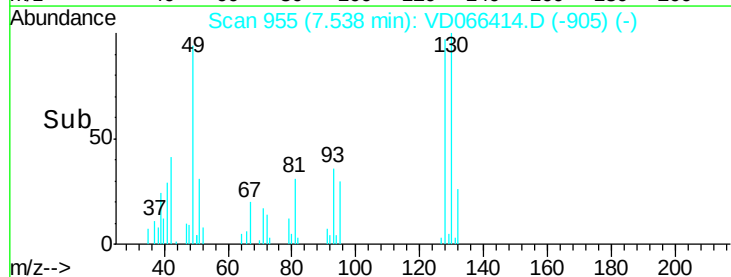
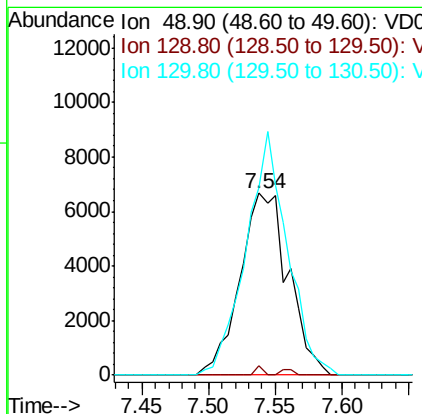
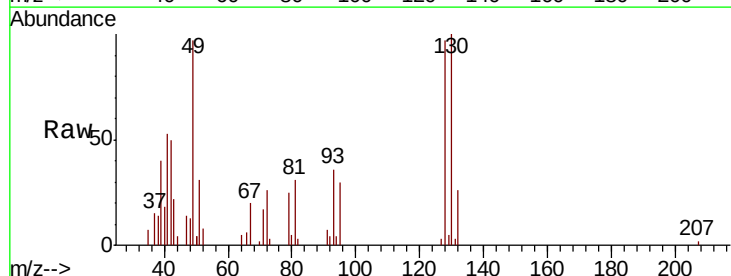
Tot Ion: 96 Resp: 35741
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 281.4
 98 64.8 0.0 132.2

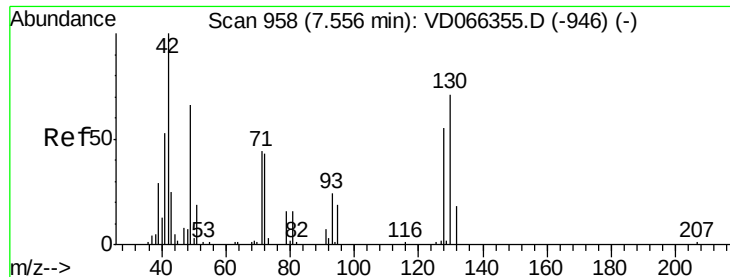


#28

Bromochloromethane
 Concen: 17.115 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 49 Resp: 16785
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.0
 130 114.1 82.6 124.0





#29

Tetrahydrofuran

Concen: 82.339 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

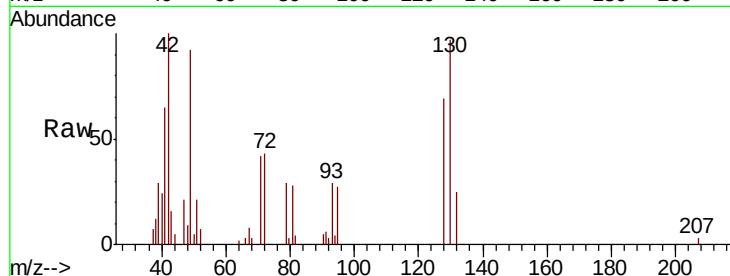
Tot Ion: 42 Resp: 17950

Ion Ratio Lower Upper

42 100

72 55.3 41.0 61.4

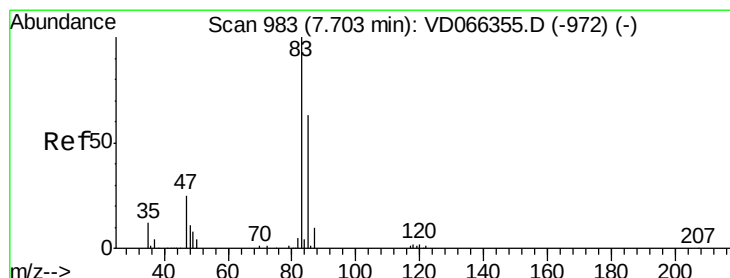
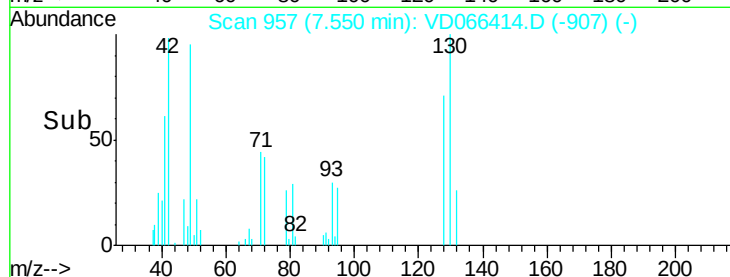
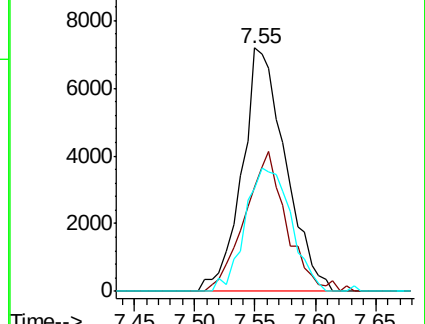
71 53.5 37.2 55.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.886 ug/l

RT: 7.70 min Scan# 983

Delta R.T. 0.00 min

Lab File: VD066414.D

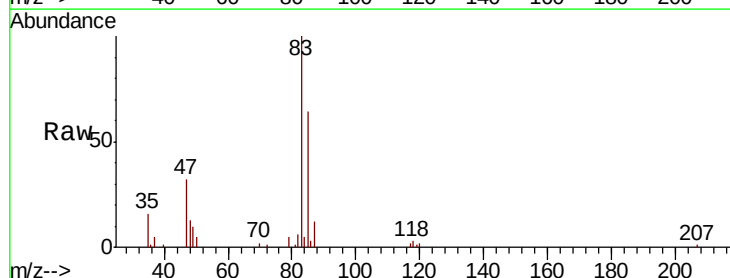
Acq: 26 Aug 2020 12:19

Tgt Ion: 83 Resp: 62210

Ion Ratio Lower Upper

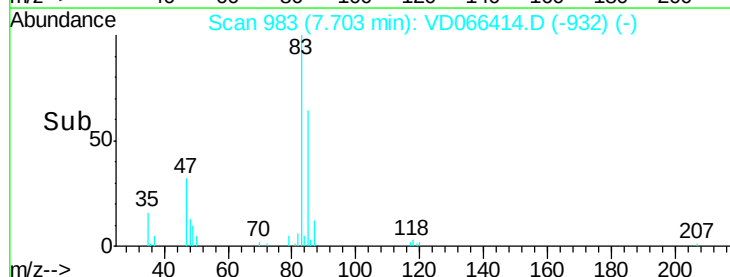
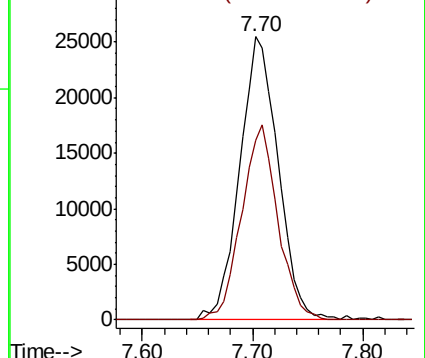
83 100

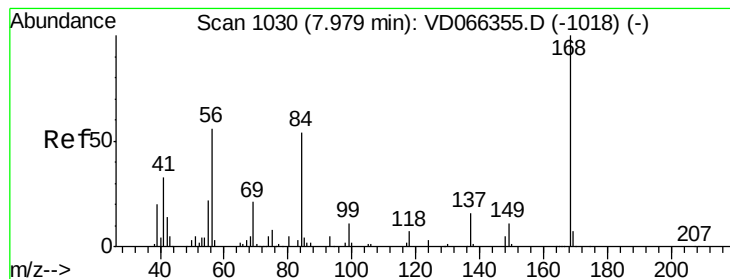
85 63.6 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 16.857 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

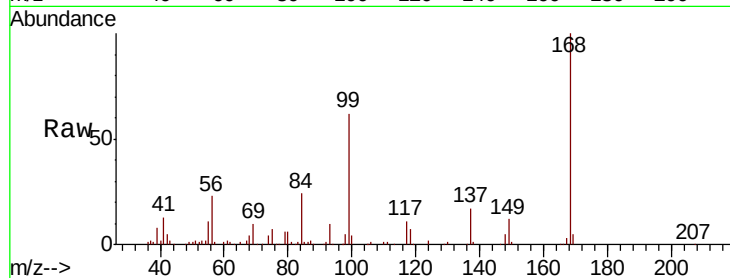
Tot Ion: 56 Resp: 43893

Ion Ratio Lower Upper

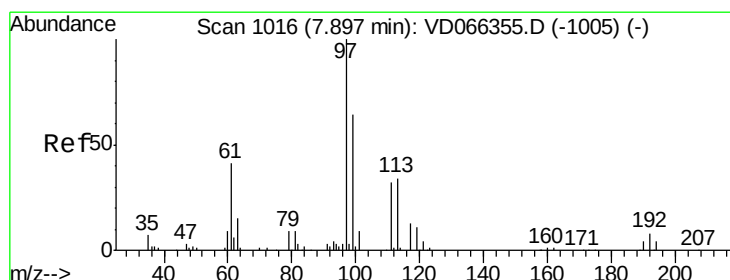
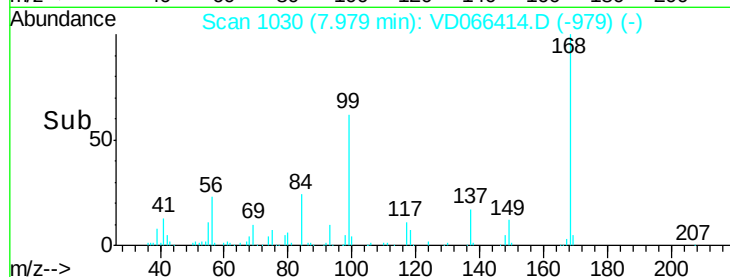
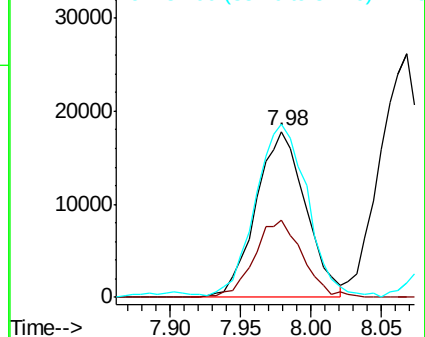
56 100

69 46.2 29.6 44.4#

84 102.1 76.6 115.0



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



#32

1,1,1-Trichloroethane

Concen: 20.308 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

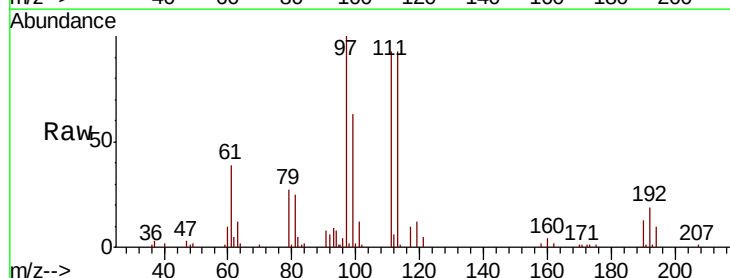
Tgt Ion: 97 Resp: 68464

Ion Ratio Lower Upper

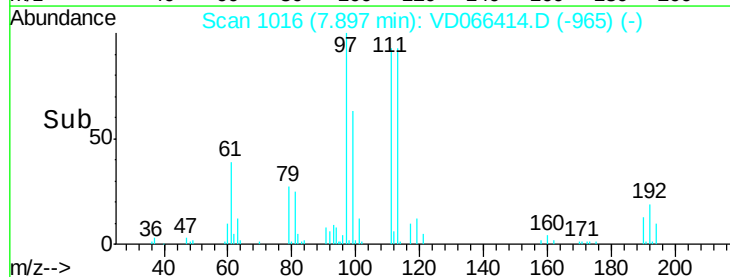
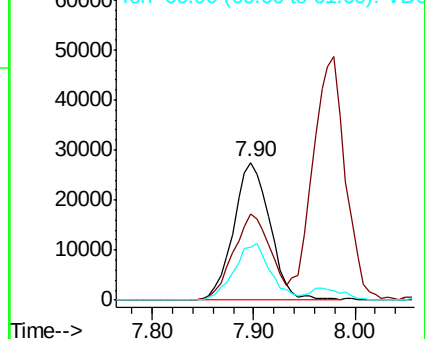
97 100

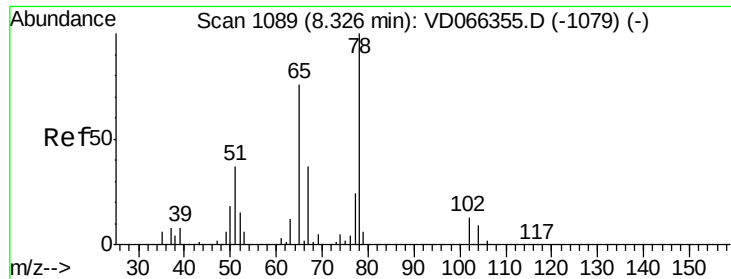
99 63.7 51.5 77.3

61 40.9 33.3 49.9



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

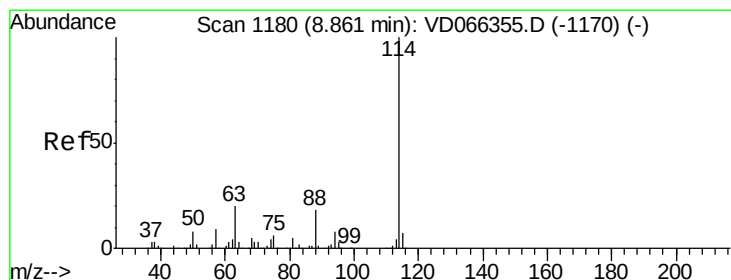
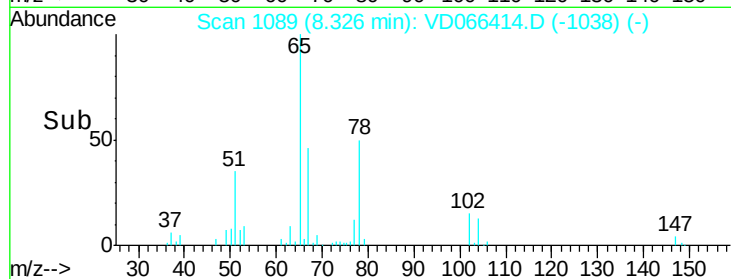
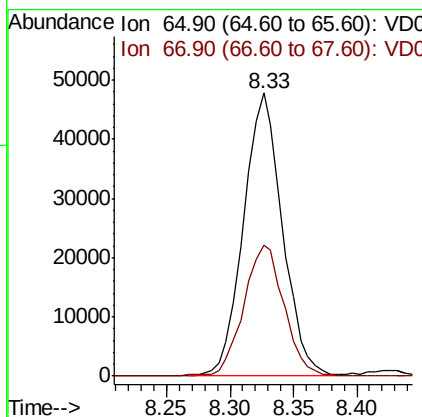
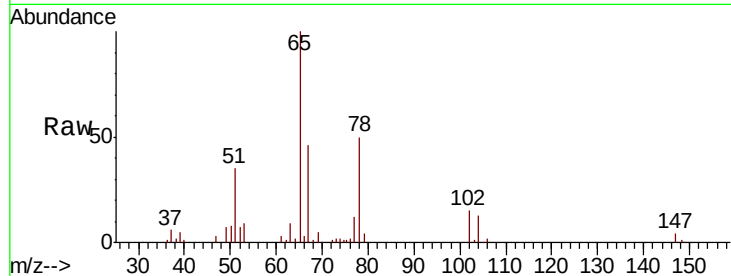




#33
 1,2-Dichloroethane-d4
 Concen: 54.491 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

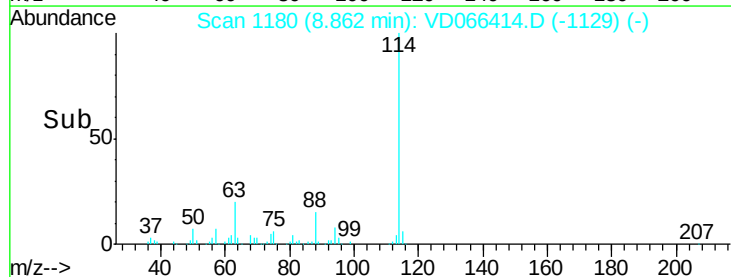
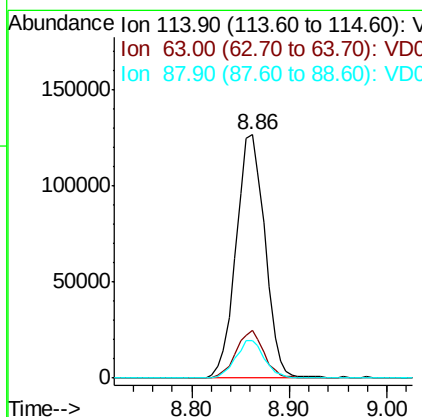
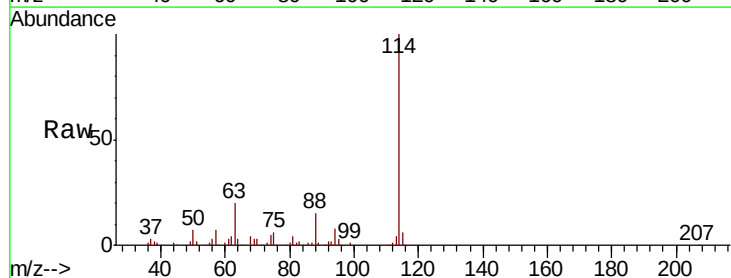
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

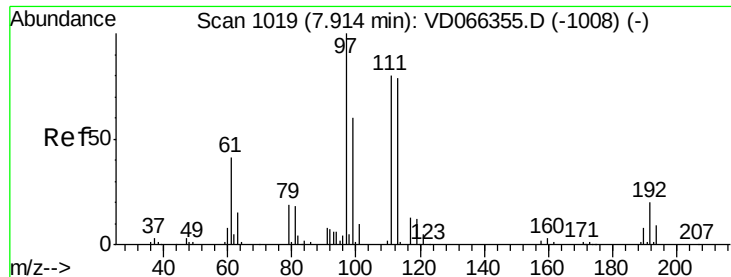
Tot Ion: 65 Resp: 102187
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 114 Resp: 261238
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 15.3 0.0 35.4

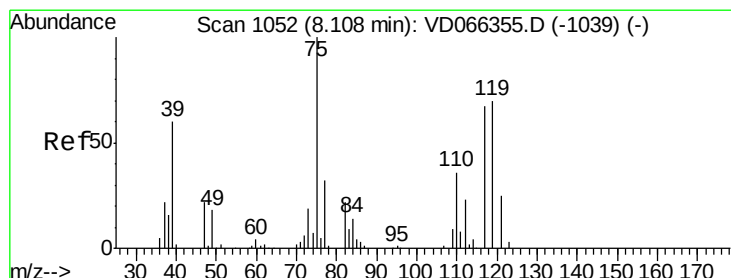
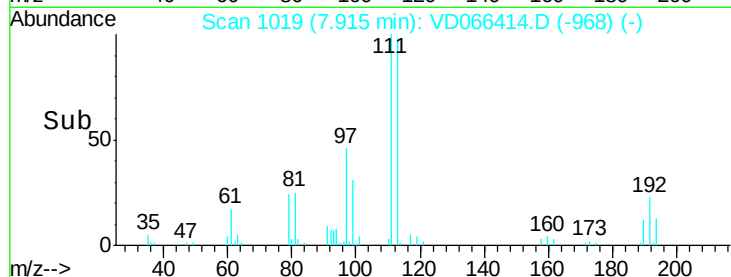
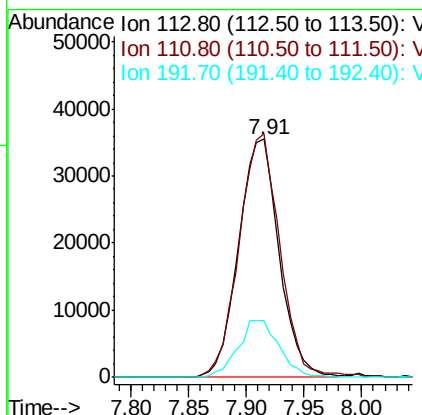
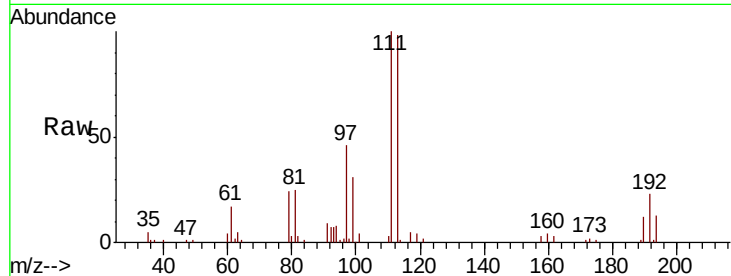




#35
Dibromofluoromethane
Concen: 53.045 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

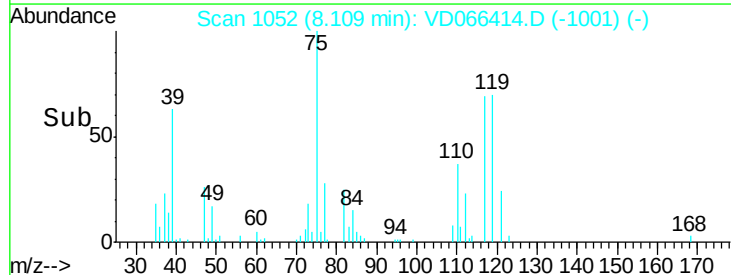
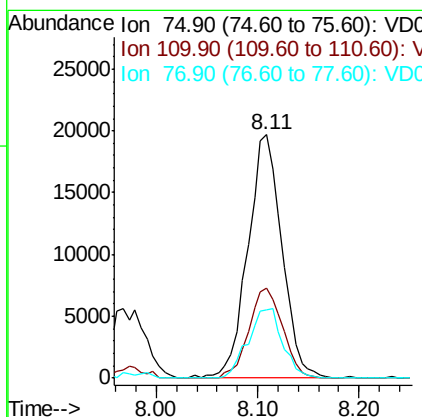
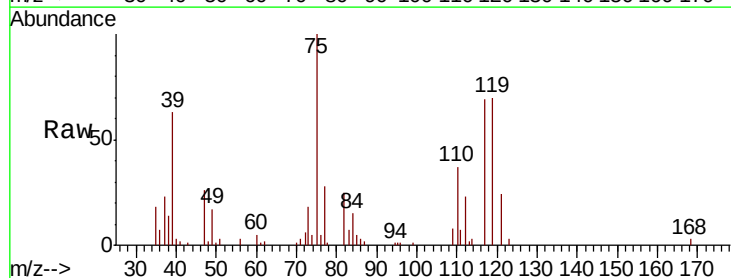
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

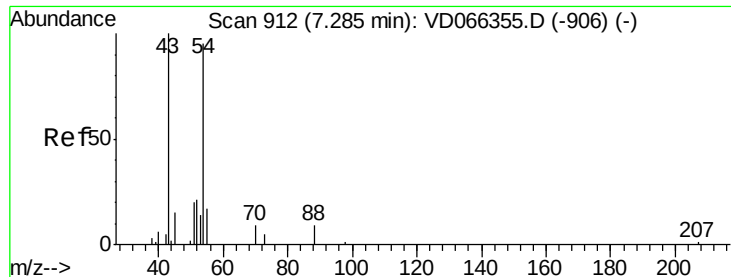
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.3	120.5
192	24.0	19.0	28.6



#36
1,1-Dichloropropene
Concen: 19.264 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.7	56.1
77	29.1	25.2	37.8

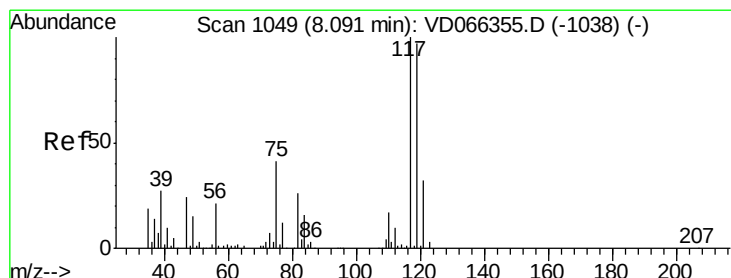
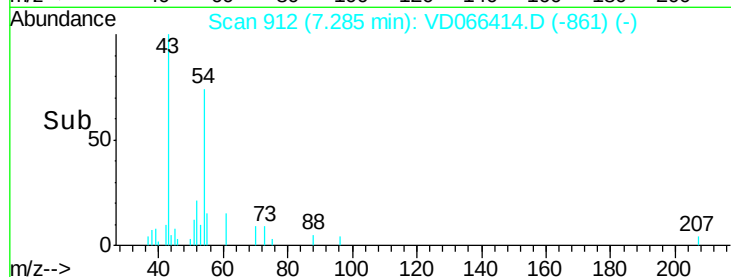
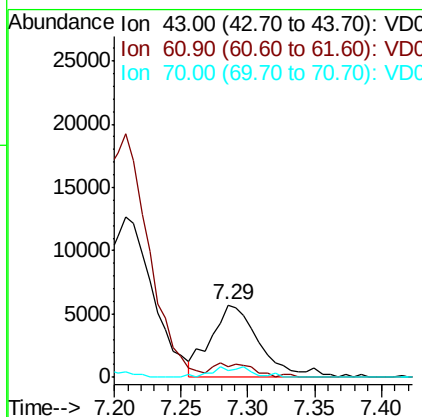
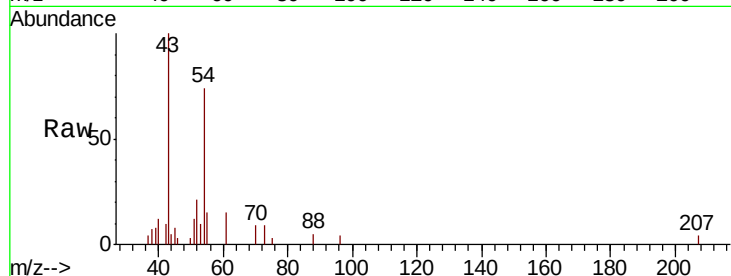




#37
Ethyl Acetate
Concen: 17.915 ug/l
RT: 7.29 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

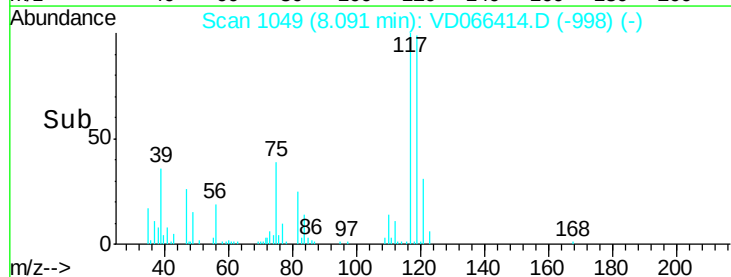
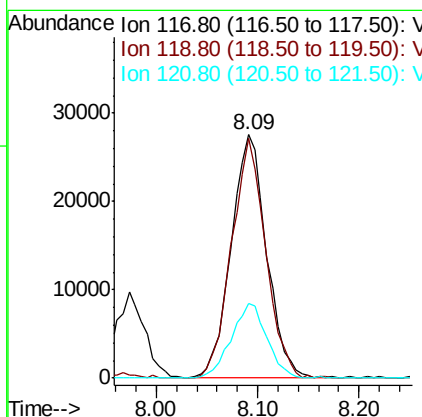
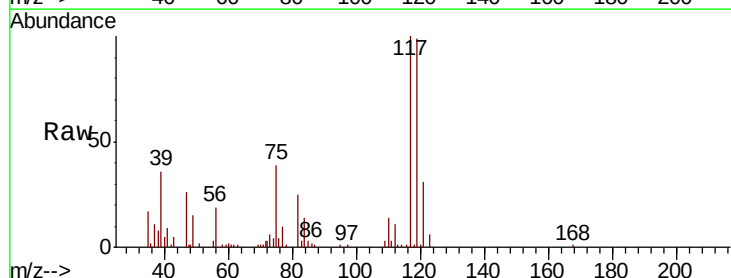
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

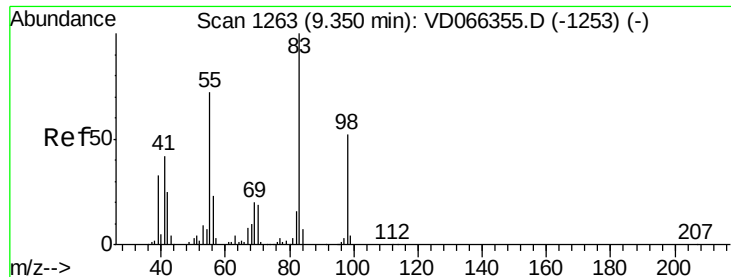
Tot Ion: 43 Resp: 14524
Ion Ratio Lower Upper
43 100
61 15.3 13.3 19.9
70 11.6 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 21.493 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 117 Resp: 66747
Ion Ratio Lower Upper
117 100
119 98.7 77.2 115.8
121 30.9 25.8 38.8

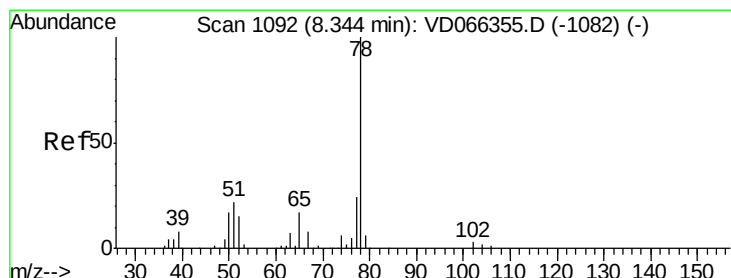
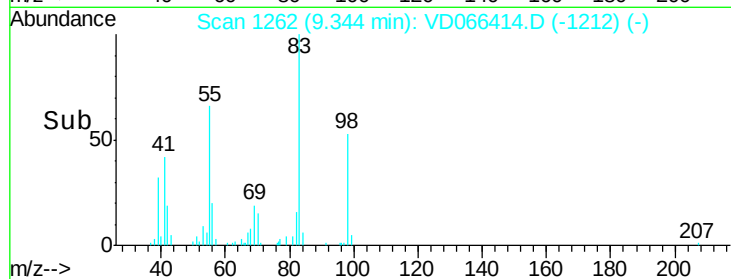
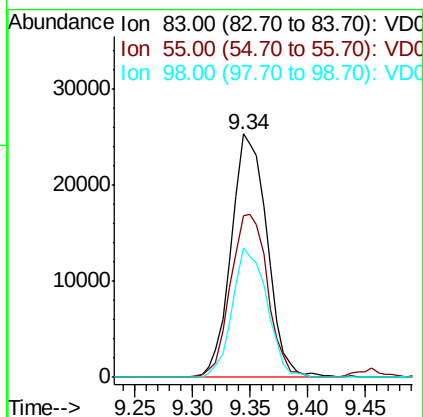
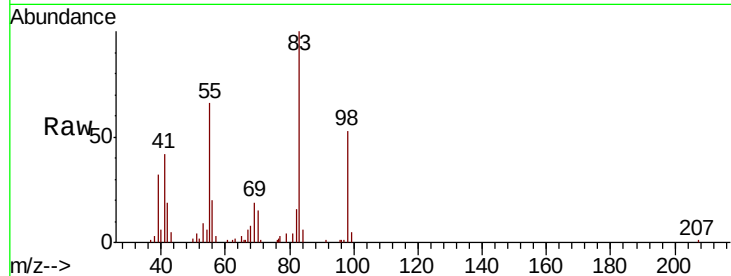




#39
Methylvlcyclohexane
Concen: 19.462 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

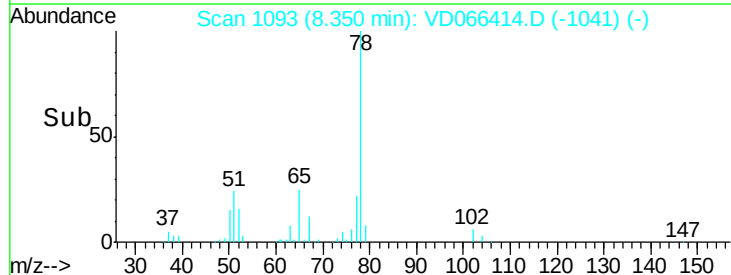
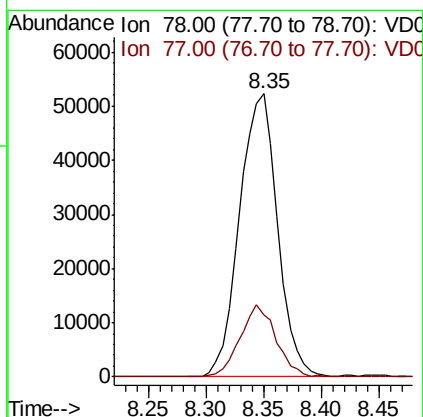
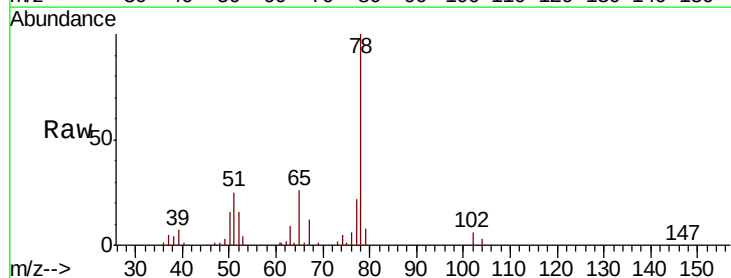
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

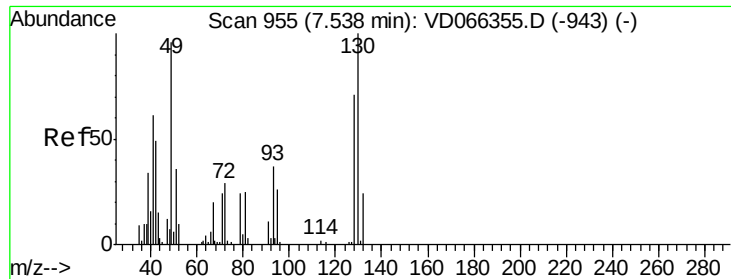
Tot Ion: 83 Resp: 54646
Ion Ratio Lower Upper
83 100
55 66.3 58.0 87.0
98 53.0 41.9 62.9



#40
Benzene
Concen: 19.117 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 78 Resp: 119873
Ion Ratio Lower Upper
78 100
77 21.8 18.8 28.2





#41

Methacrylonitrile

Concen: 20.216 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

Tot Ion: 41 Resp: 10107

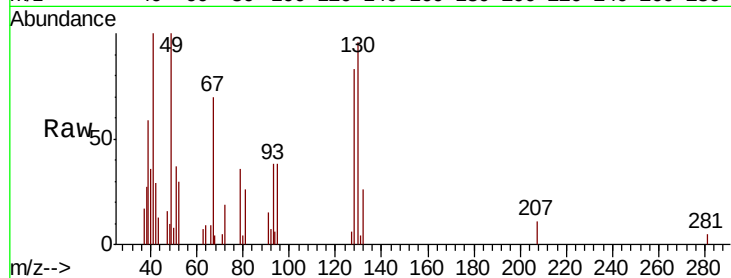
Ion Ratio Lower Upper

41 100

39 56.9 51.8 77.8

67 73.5 0.0 0.0#

52 37.0 0.0 0.0#

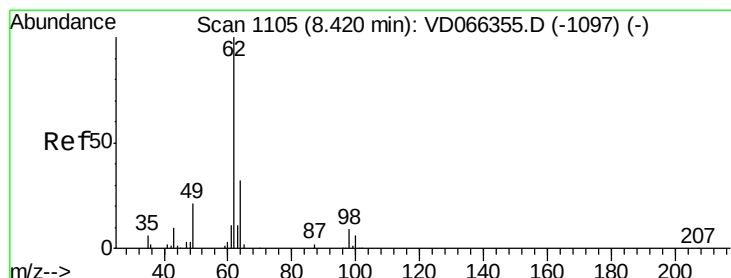
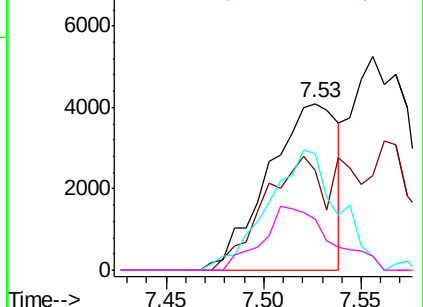
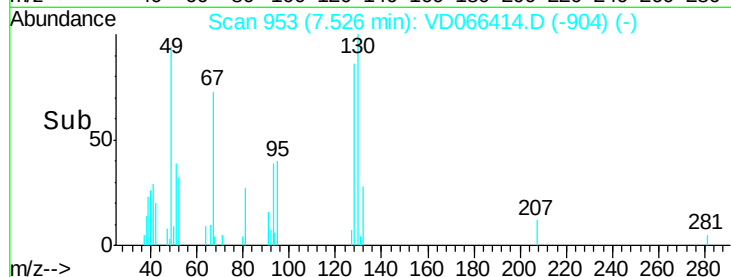


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.967 ug/l

RT: 8.41 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VD066414.D

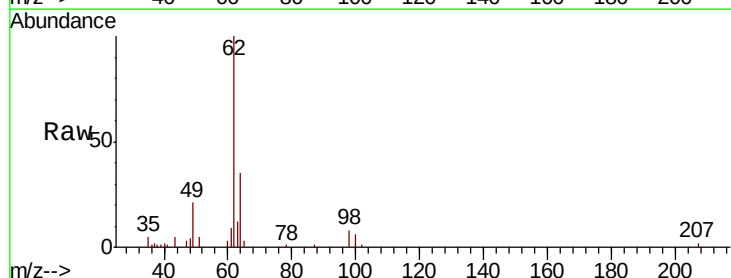
Acq: 26 Aug 2020 12:19

Tgt Ion: 62 Resp: 46306

Ion Ratio Lower Upper

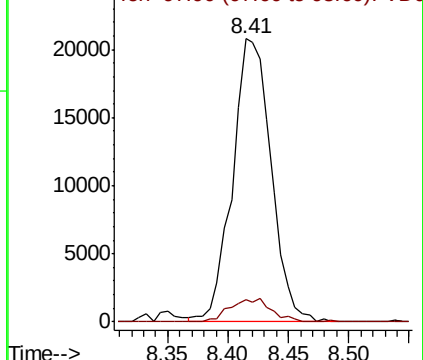
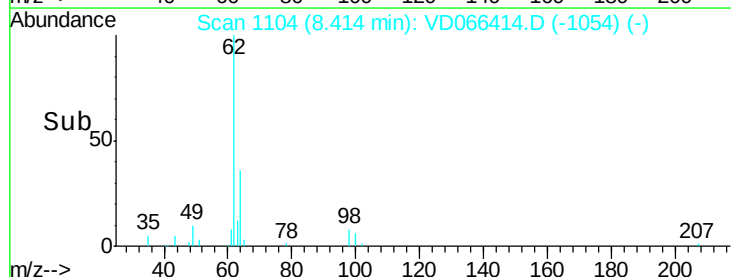
62 100

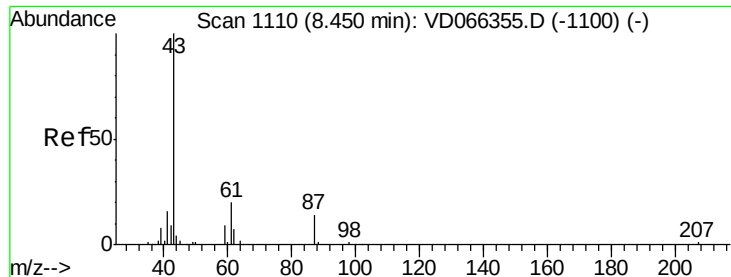
98 8.8 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.024 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

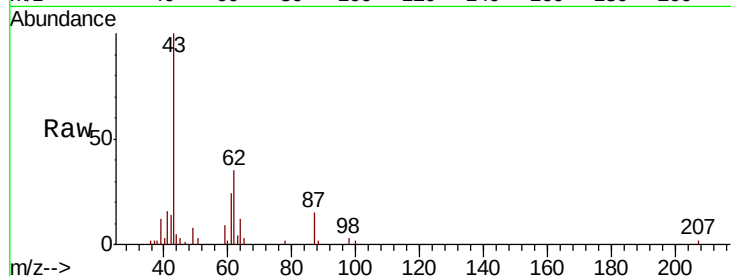
Tot Ion: 43 Resp: 29329

Ion Ratio Lower Upper

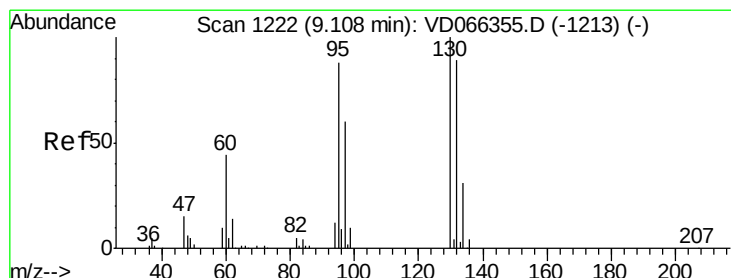
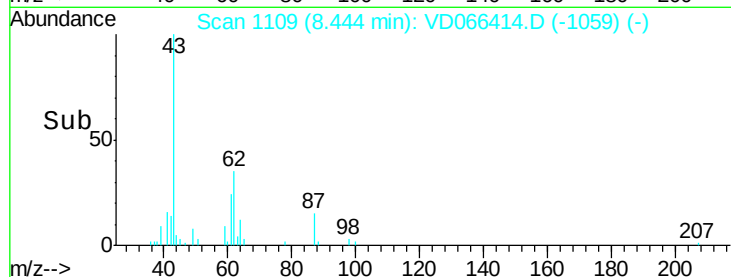
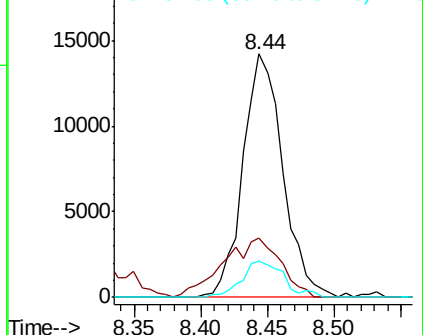
43 100

61 35.2 26.5 39.7

87 15.8 11.9 17.9



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



#44

Trichloroethene

Concen: 20.042 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066414.D

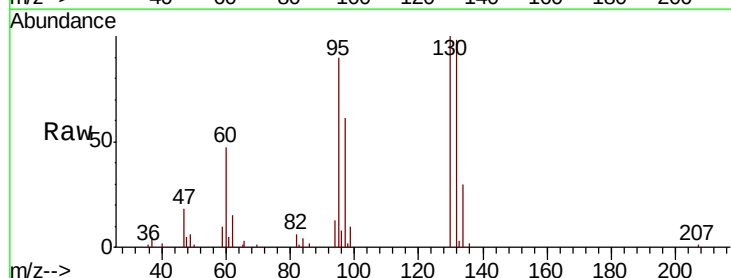
Acq: 26 Aug 2020 12:19

Tgt Ion: 130 Resp: 40836

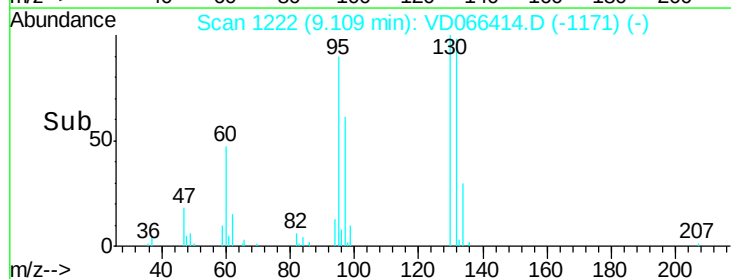
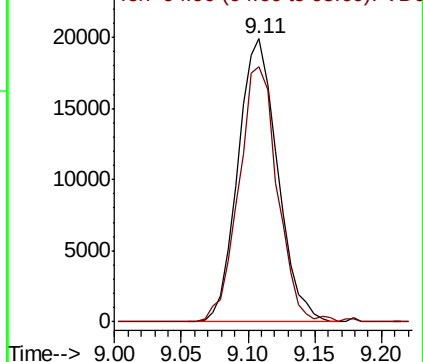
Ion Ratio Lower Upper

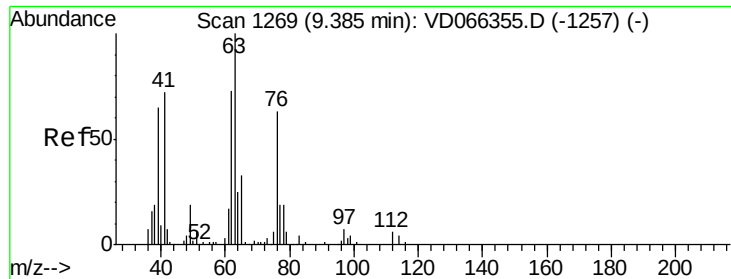
130 100

95 89.9 0.0 175.6



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

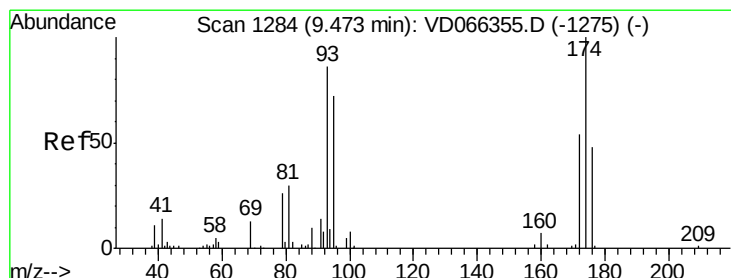
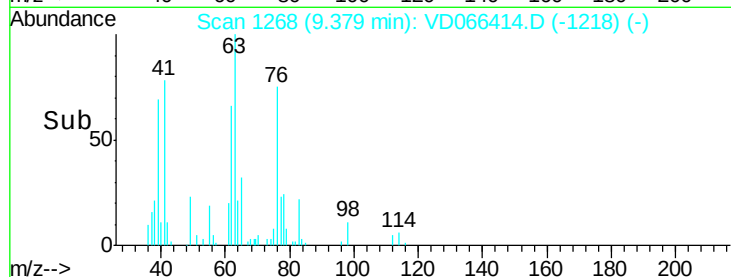
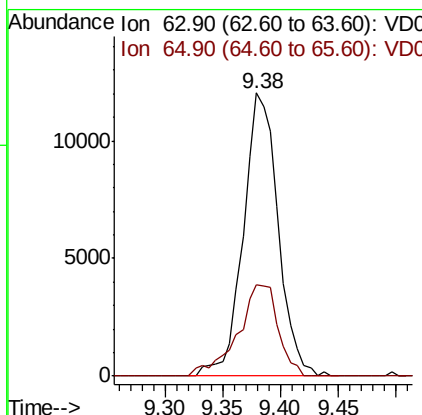
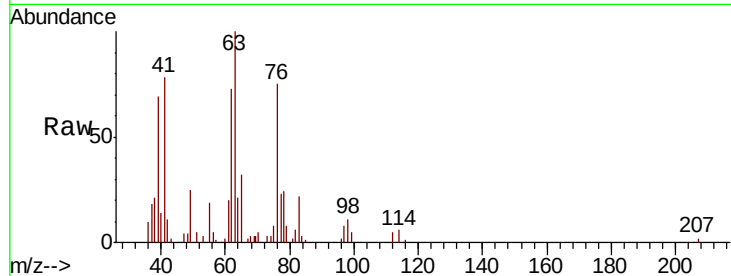




#45
 1,2-Dichloropropane
 Concen: 17.792 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

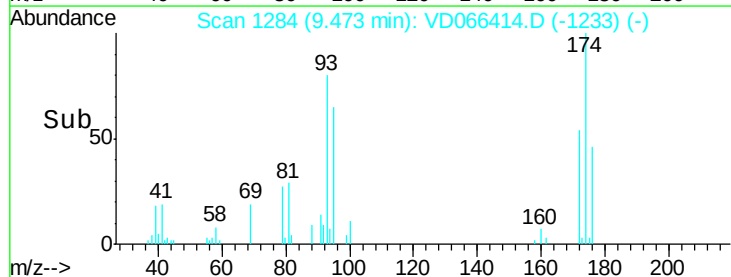
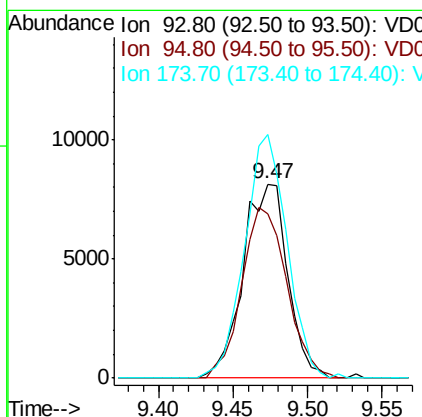
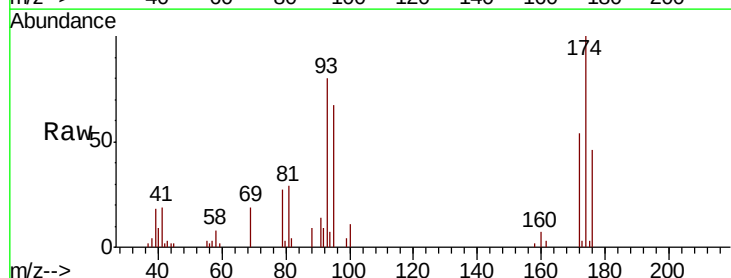
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

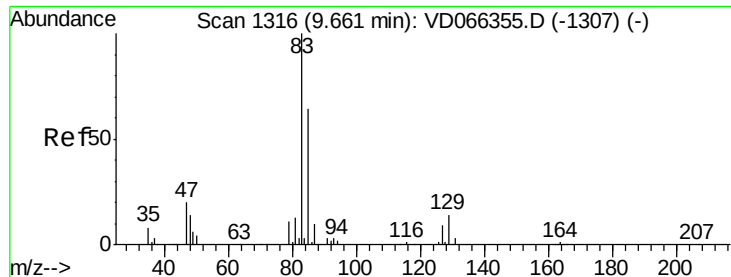
Tot Ion: 63 Resp: 25292
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.4 39.6



#46
 Dibromomethane
 Concen: 19.040 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 93 Resp: 16852
 Ion Ratio Lower Upper
 93 100
 95 89.0 66.0 99.0
 174 119.6 94.6 141.8





#47

Bromodichloromethane

Concen: 20.185 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

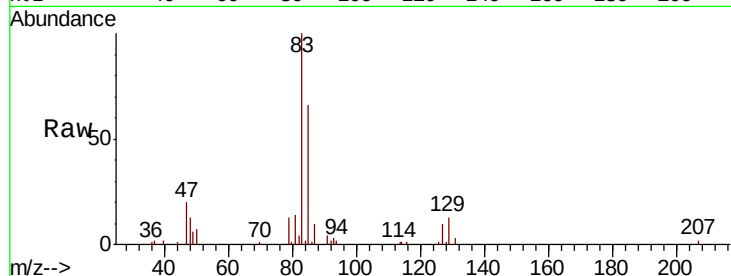
Tot Ion: 83 Resp: 49133

Ion Ratio Lower Upper

83 100

85 66.1 51.4 77.0

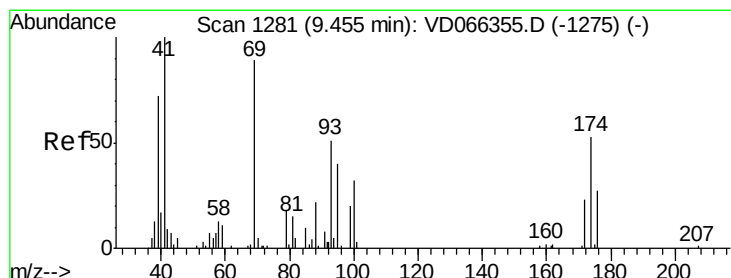
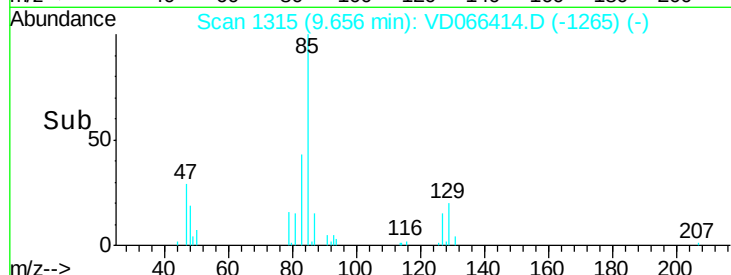
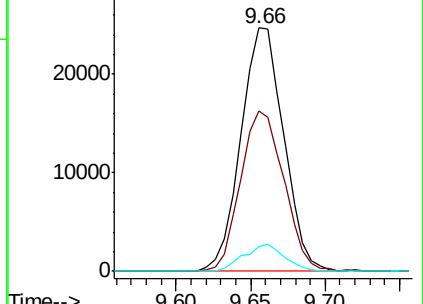
127 9.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 17.346 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

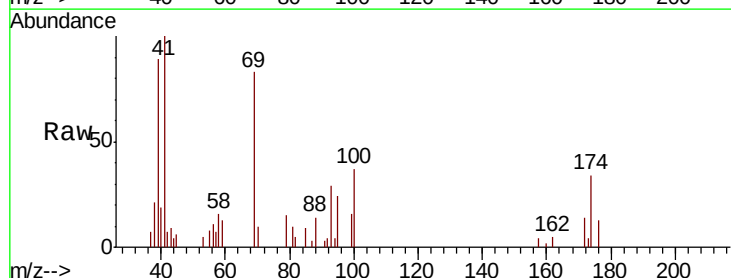
Tgt Ion: 41 Resp: 14555

Ion Ratio Lower Upper

41 100

69 98.7 75.5 113.3

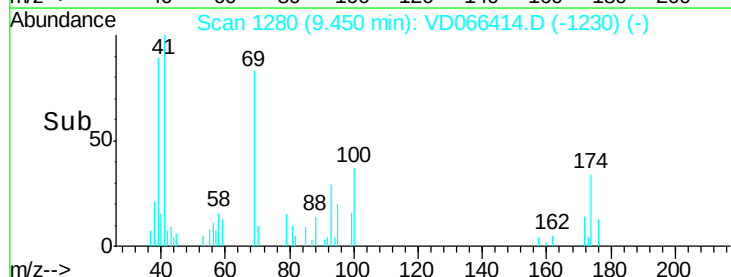
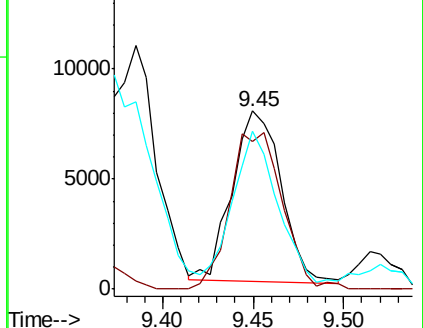
39 79.2 57.0 85.4

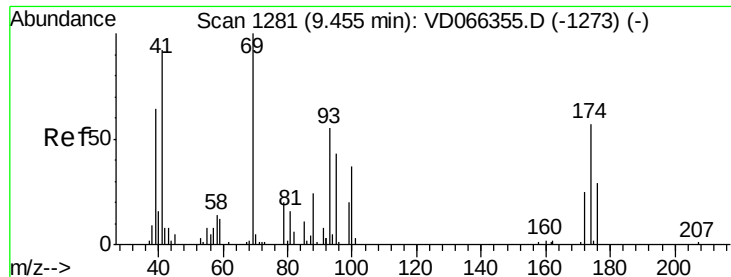


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 353.687 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

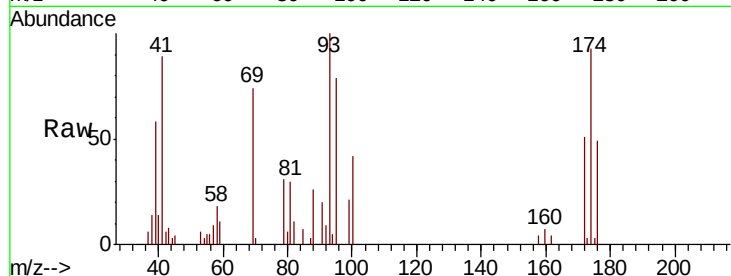
Tot Ion: 88 Resp: 3635

Ion Ratio Lower Upper

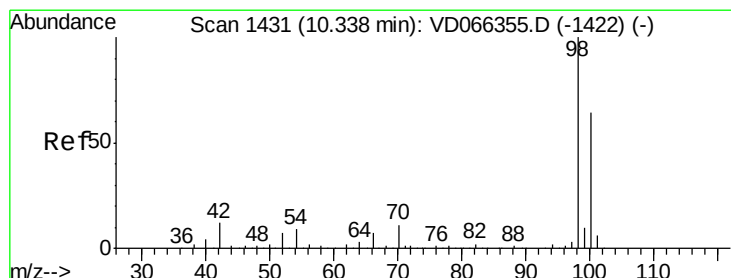
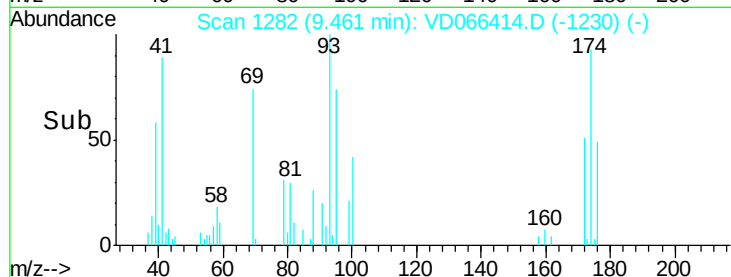
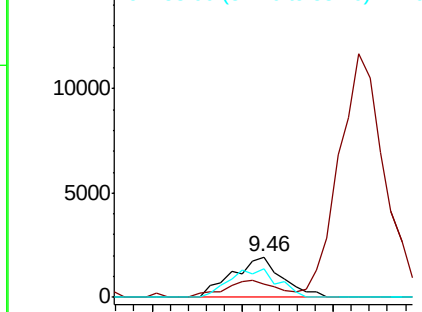
88 100

43 44.5 29.4 44.0#

58 68.7 45.4 68.2#



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



#50

Toluene-d8

Concen: 54.757 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066414.D

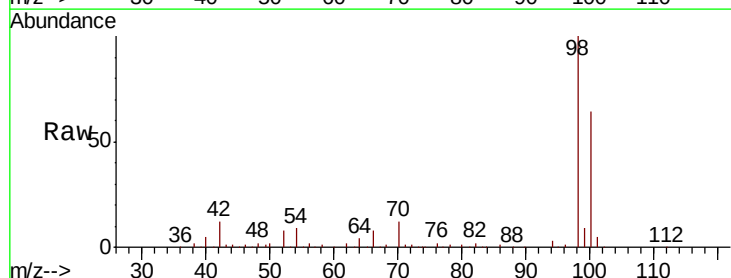
Acq: 26 Aug 2020 12:19

Tgt Ion: 98 Resp: 327279

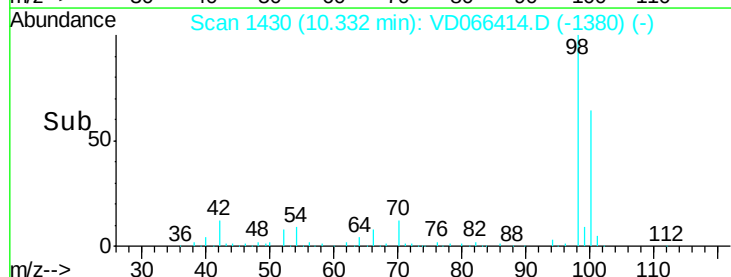
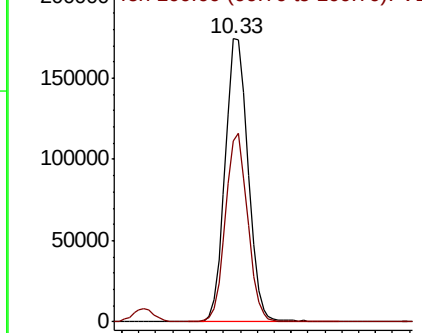
Ion Ratio Lower Upper

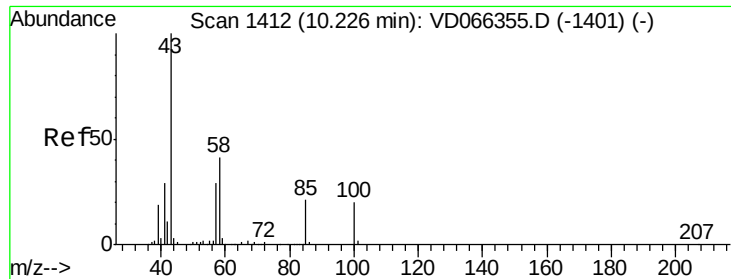
98 100

100 64.3 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 92.724 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

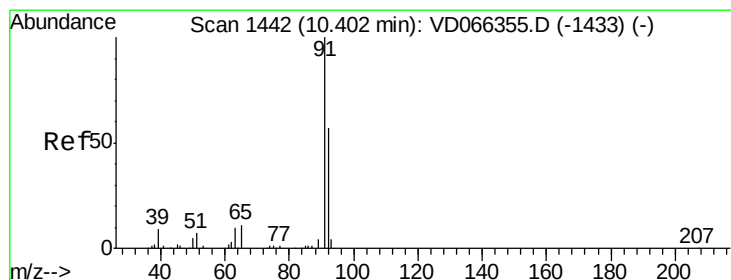
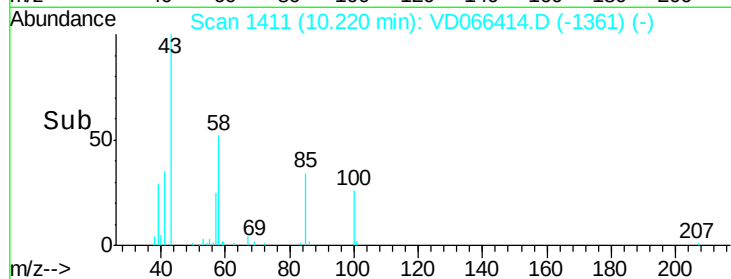
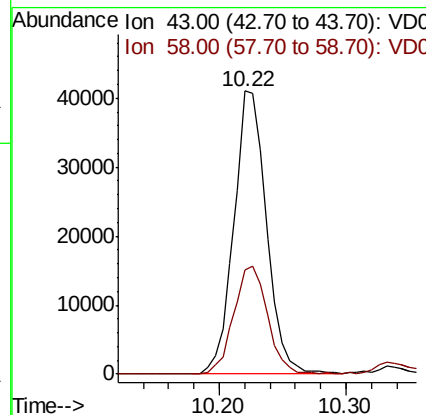
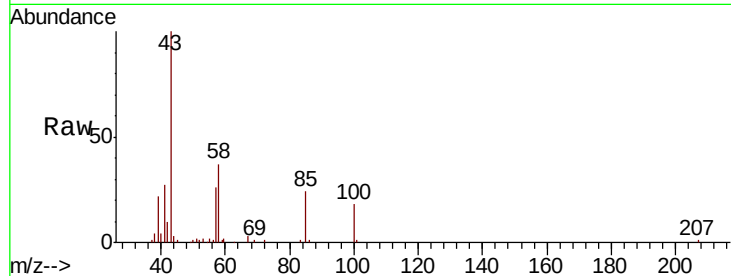
VD0826SBSD01

Tot Ion: 43 Resp: 72990

Ion Ratio Lower Upper

43 100

58 39.4 31.4 47.2



#52

Toluene

Concen: 19.823 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066414.D

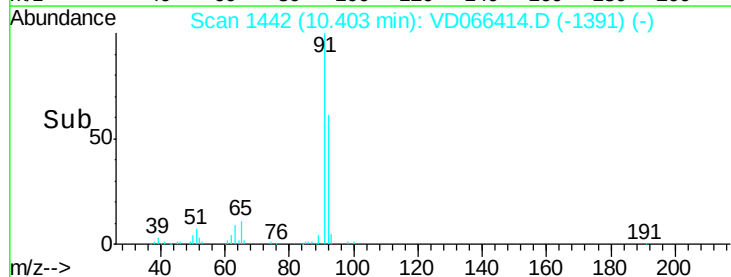
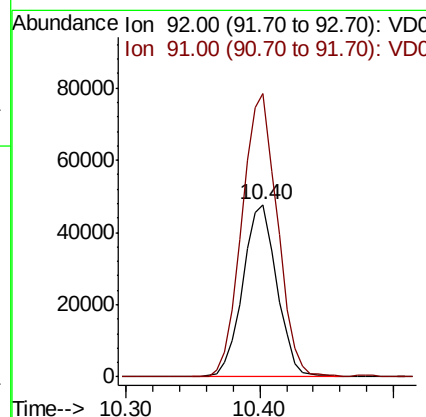
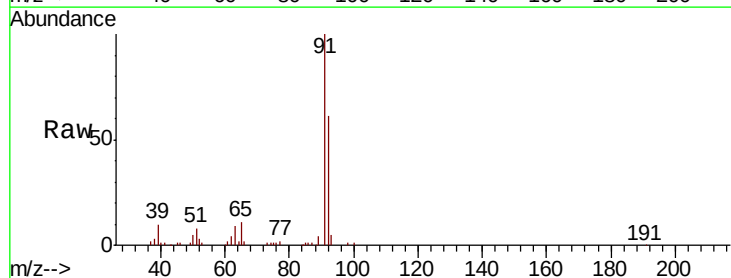
Acq: 26 Aug 2020 12:19

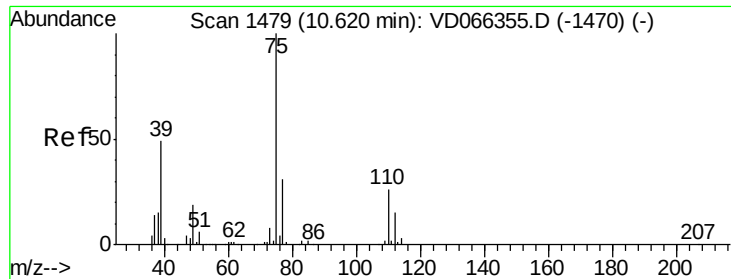
Tgt Ion: 92 Resp: 84214

Ion Ratio Lower Upper

92 100

91 171.1 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 19.939 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

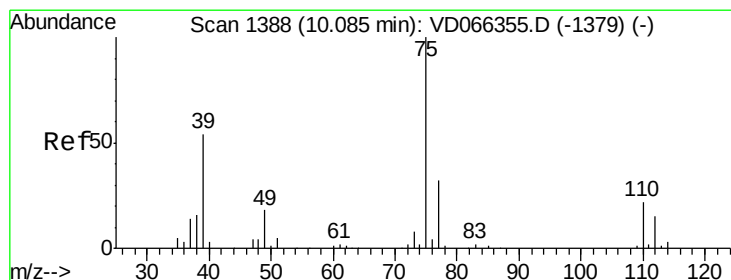
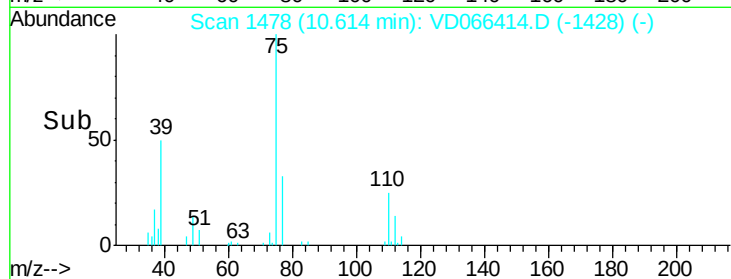
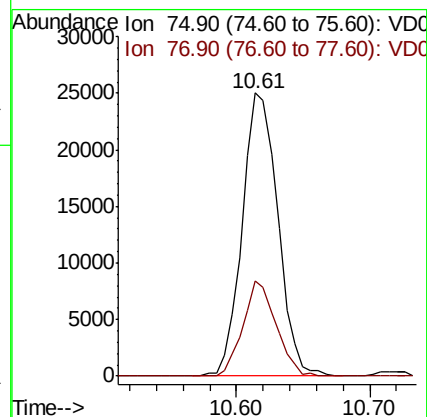
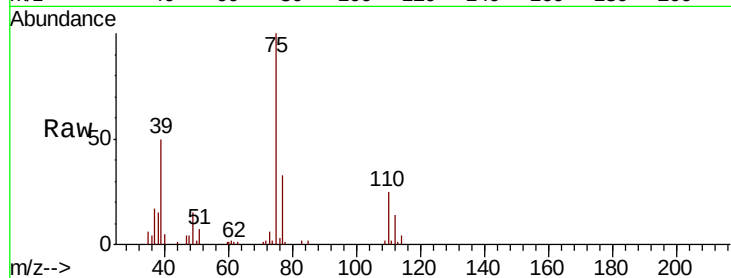
VD0826SBS01

Tot Ion: 75 Resp: 46051

Ion Ratio Lower Upper

75 100

77 33.4 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 18.320 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

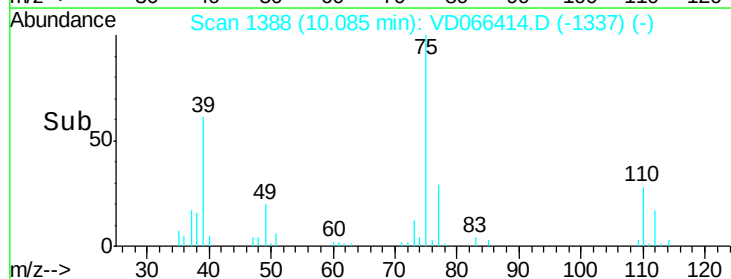
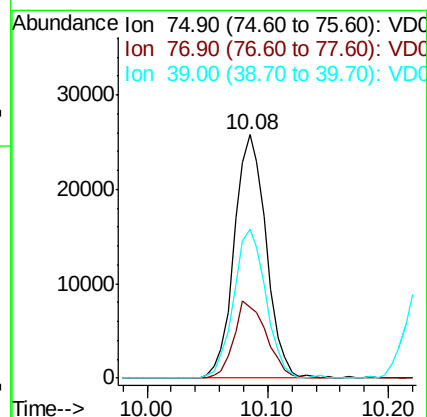
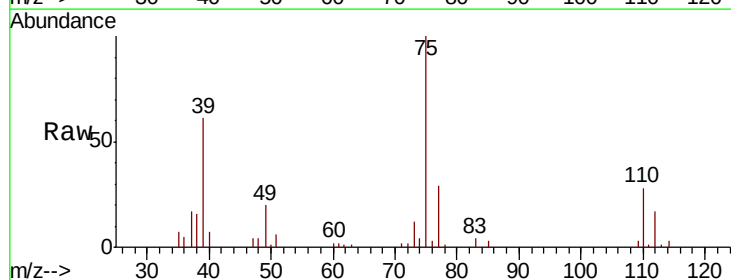
Tgt Ion: 75 Resp: 47493

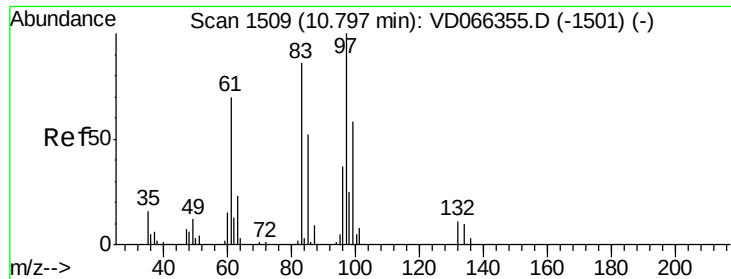
Ion Ratio Lower Upper

75 100

77 29.2 25.6 38.4

39 61.4 43.4 65.0

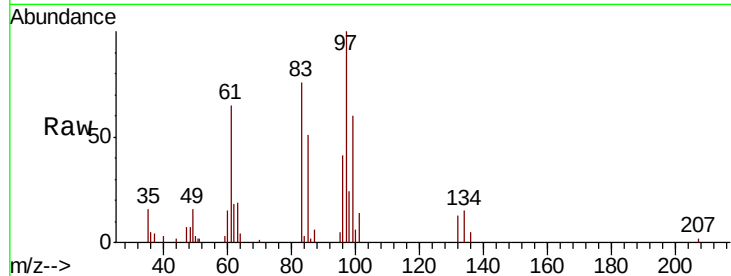




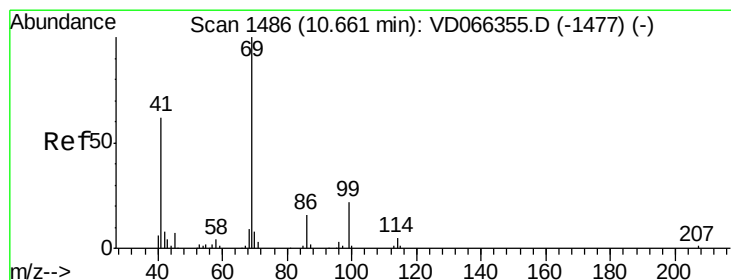
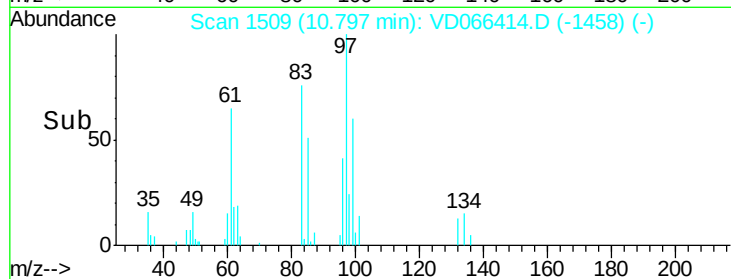
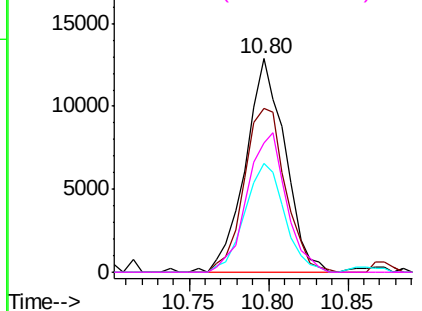
#55
 1,1,2-Trichloroethane
 Concen: 18.662 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

Tot Ion:	97	Resp:	22361
Ion	Ratio	Lower	Upper
97	100		
83	76.4	68.4	102.6
85	50.8	41.3	61.9
99	60.3	46.1	69.1

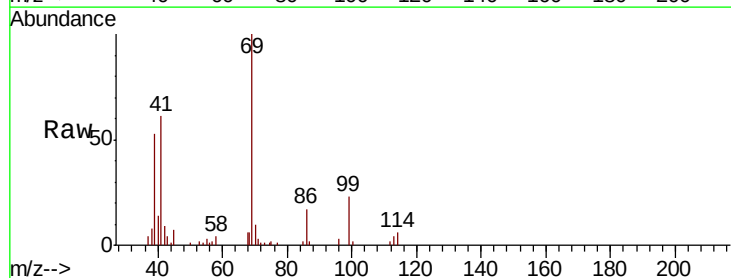


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

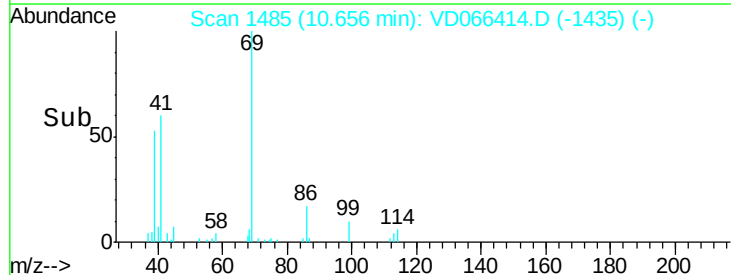
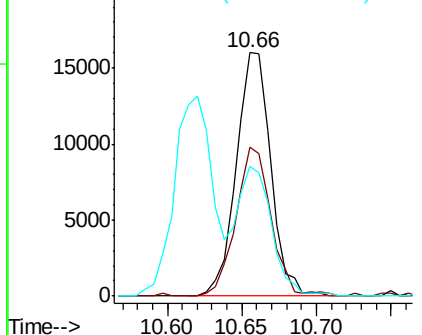


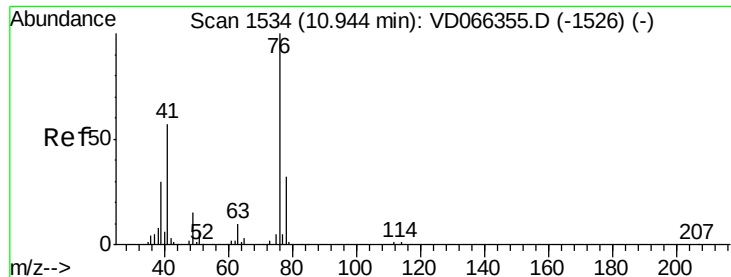
#56
 Ethyl methacrylate
 Concen: 18.532 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion:	69	Resp:	25705
Ion	Ratio	Lower	Upper
69	100		
41	62.6	50.8	76.2
39	54.6	32.9	49.3#



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

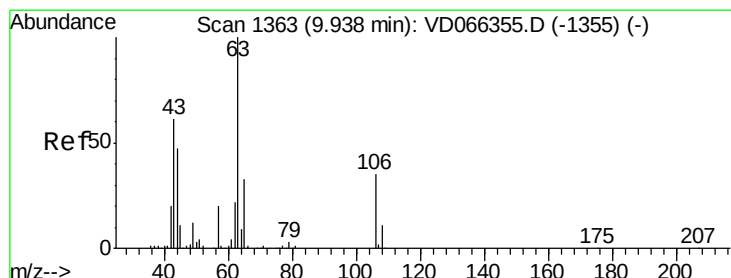
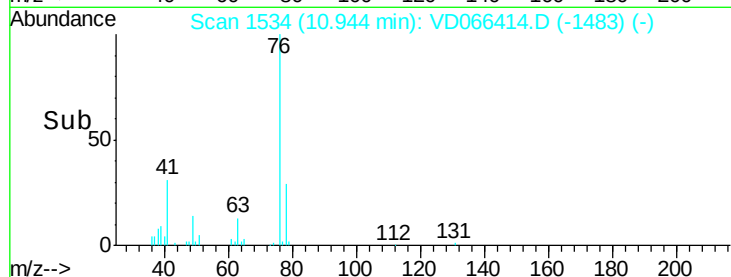
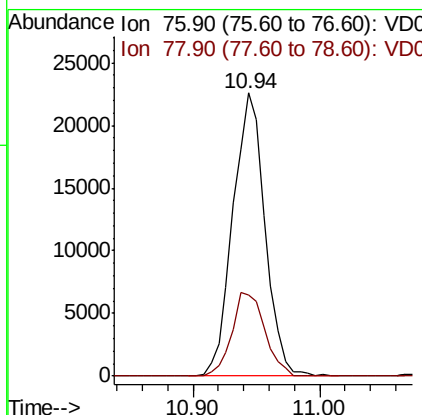
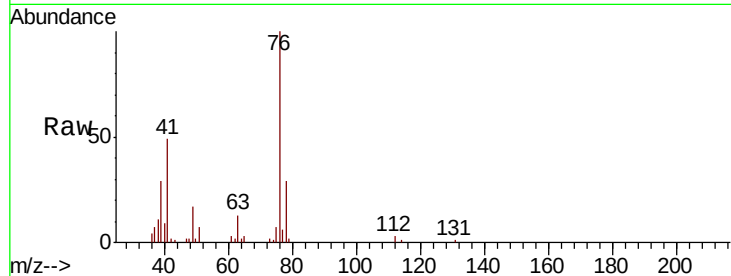




#57
 1,3-Dichloropropane
 Concen: 19.902 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

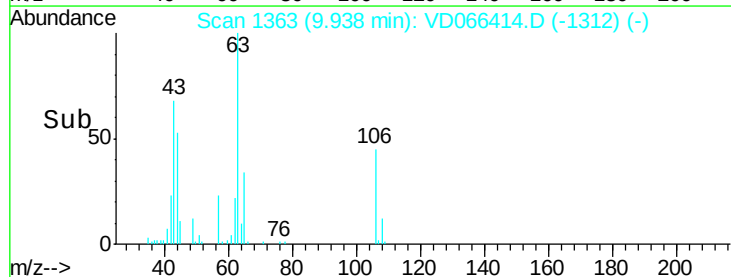
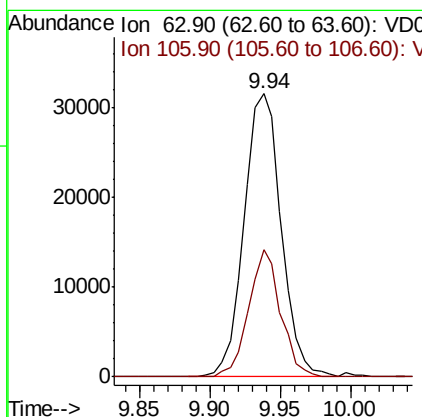
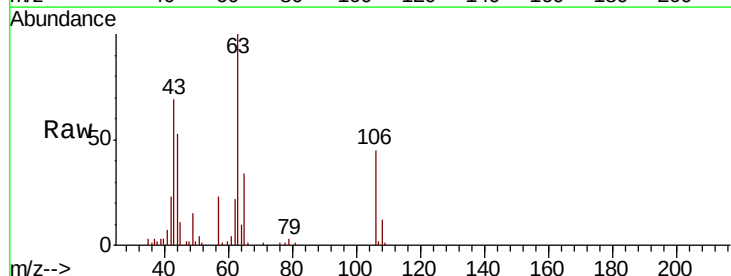
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

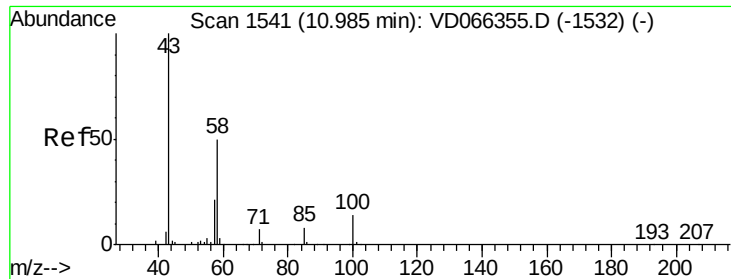
Tot Ion: 76 Resp: 39446
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.971 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 63 Resp: 58169
 Ion Ratio Lower Upper
 63 100
 106 38.6 27.1 40.7

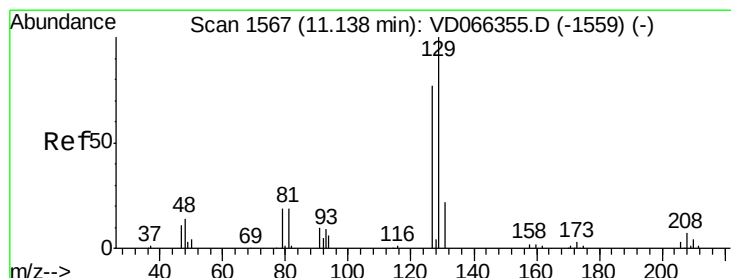
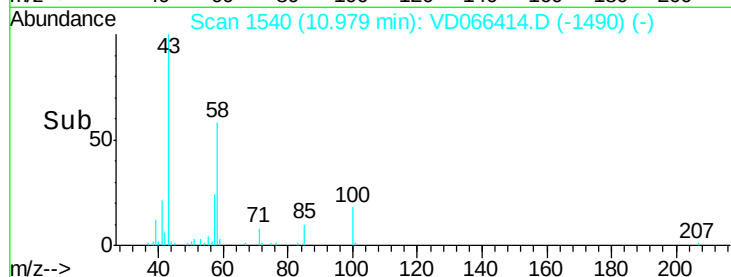
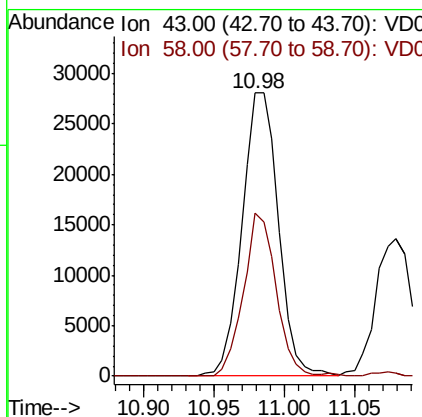
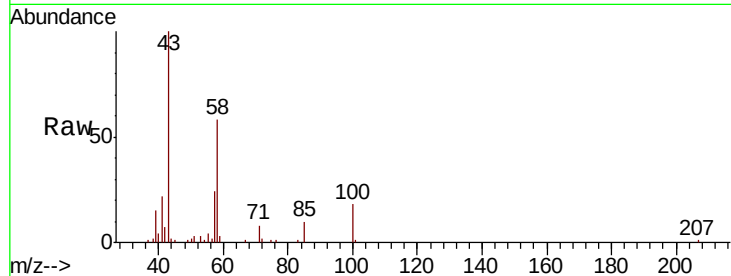




#59
2-Hexanone
Concen: 91.156 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

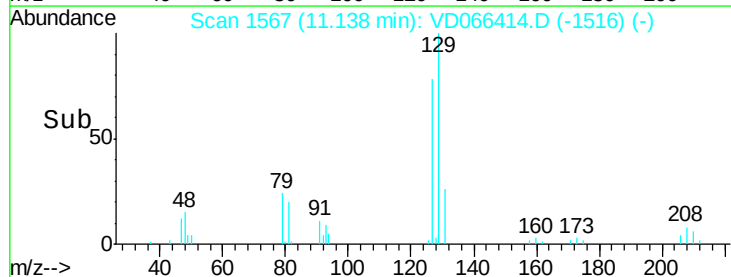
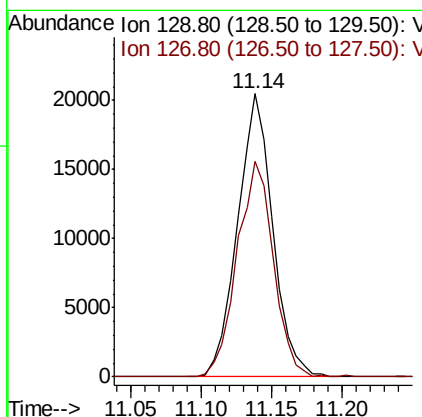
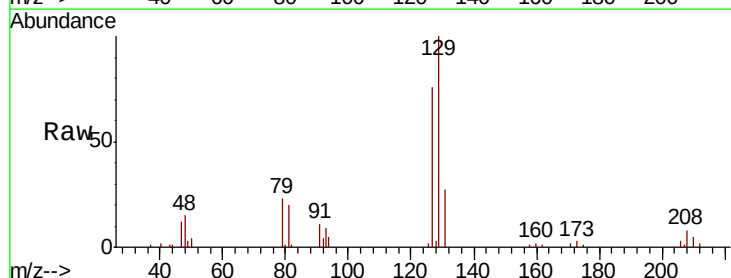
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

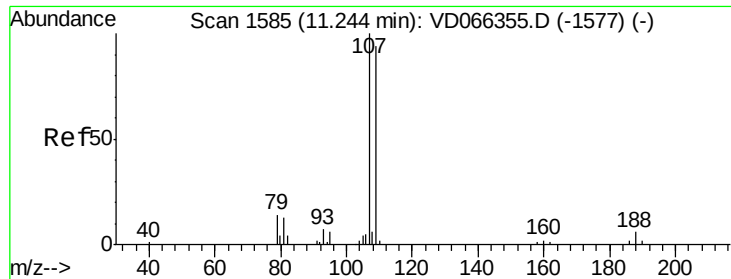
Tot Ion: 43 Resp: 50614
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8



#60
Dibromochloromethane
Concen: 19.758 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 129 Resp: 35686
Ion Ratio Lower Upper
129 100
127 78.6 39.0 117.0

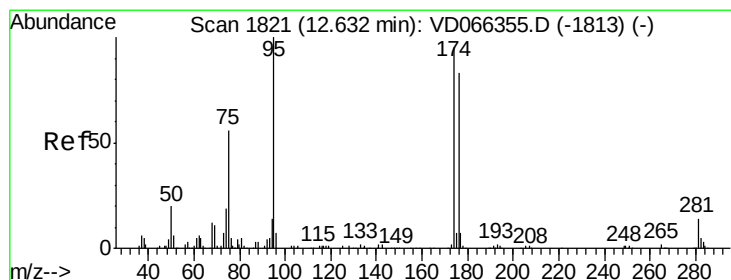
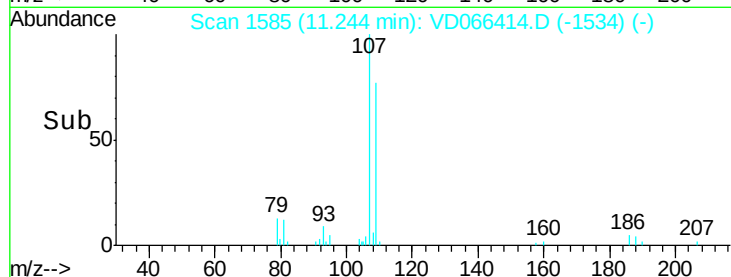
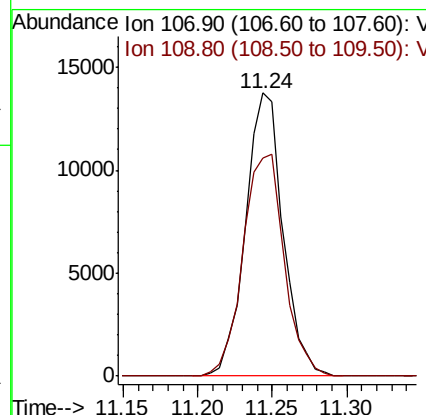
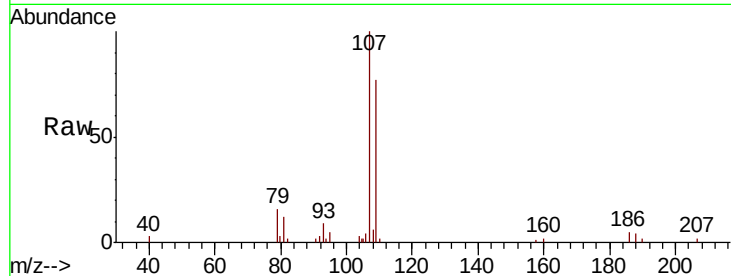




#61
 1,2-Dibromoethane
 Concen: 20.229 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

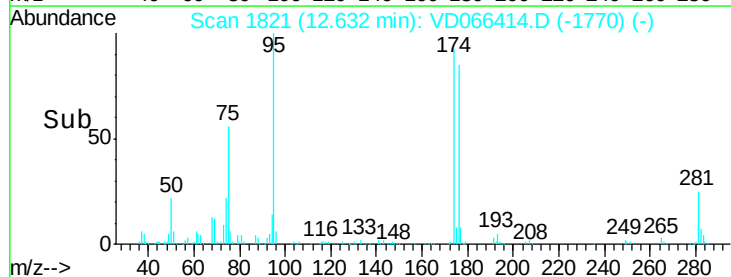
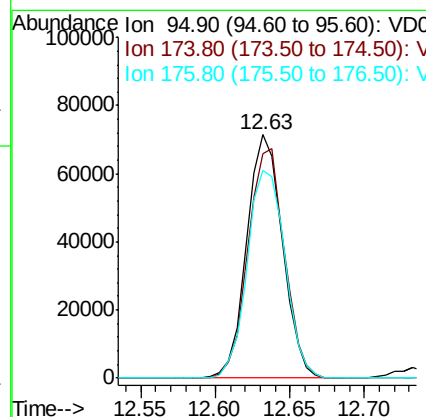
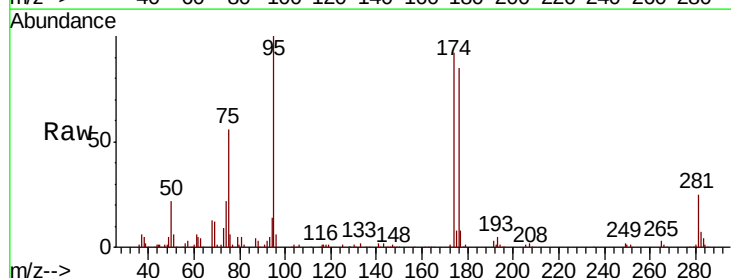
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

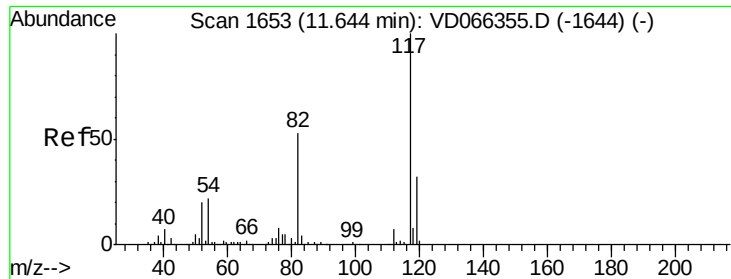
Tot Ion:107 Resp: 23854
 Ion Ratio Lower Upper
 107 100
 109 86.4 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 55.792 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion: 95 Resp: 118327
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 183.4
 176 90.2 0.0 173.8

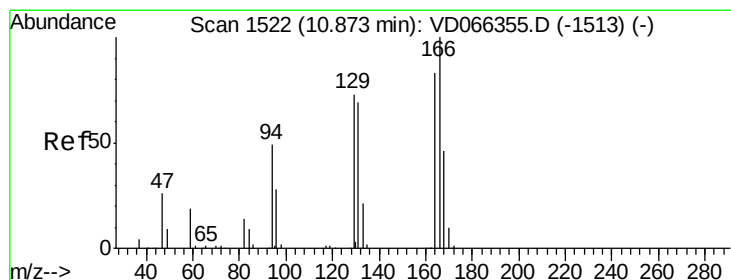
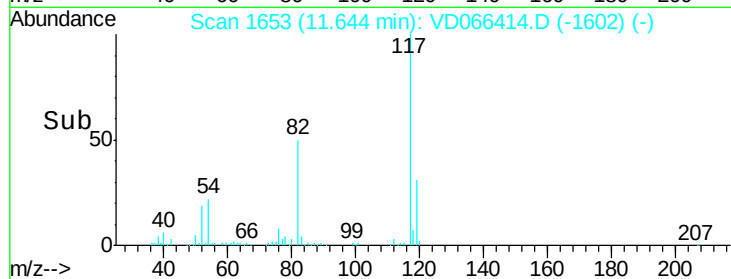
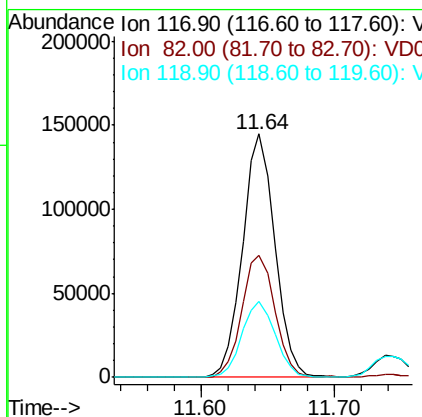
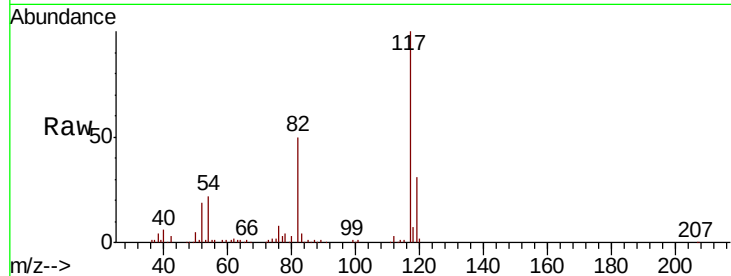




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

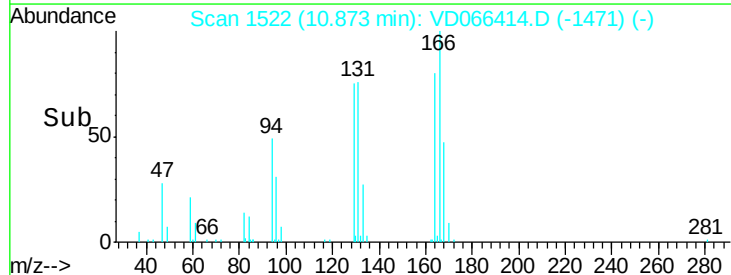
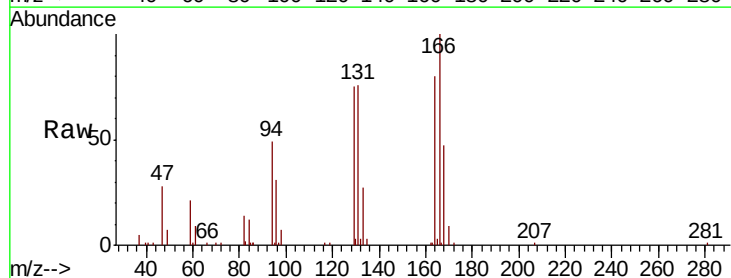
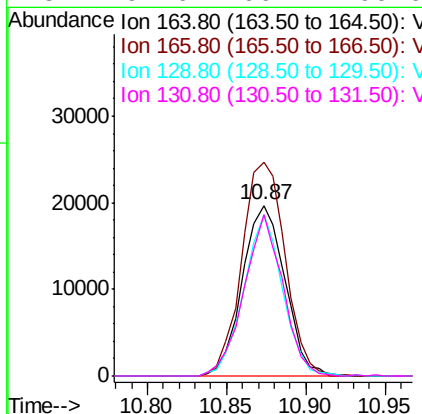
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

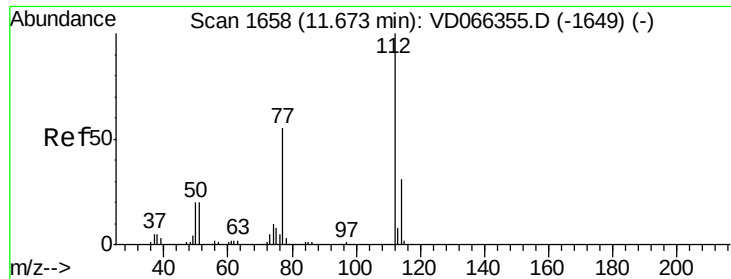
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.8	64.2
119	31.1	25.8	38.8



#64
Tetrachloroethene
Concen: 19.970 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	96.2	144.4
129	94.3	70.3	105.5
131	94.6	66.4	99.6

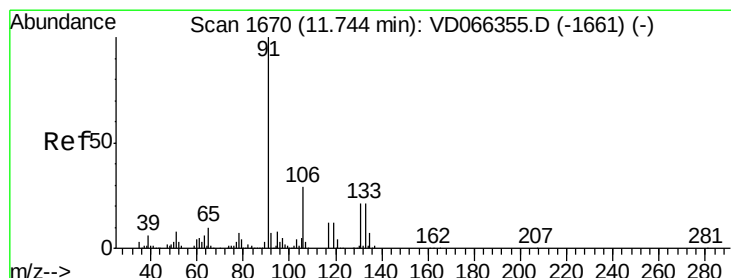
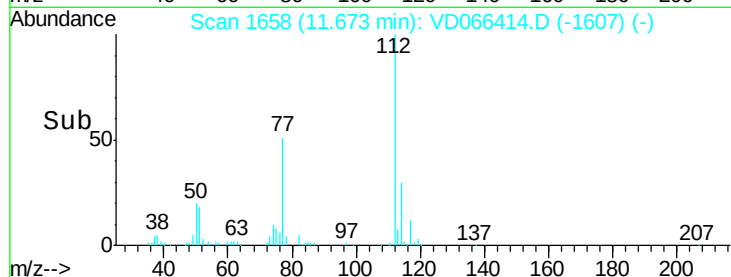
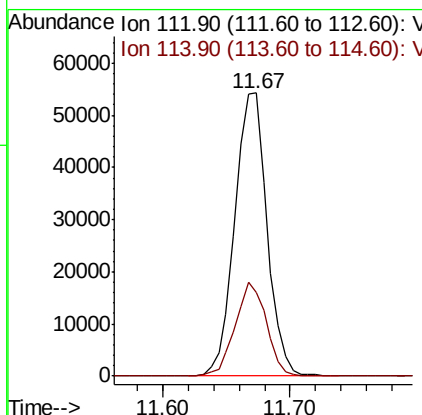
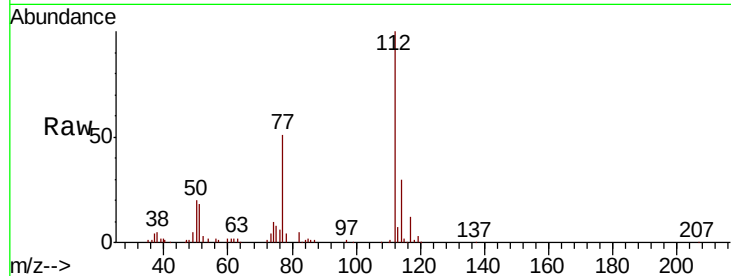




#65
Chlorobenzene
Concen: 19.857 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

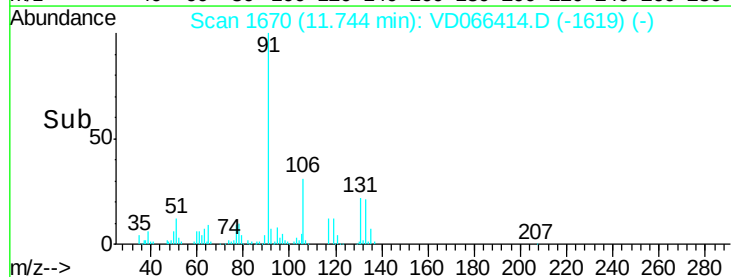
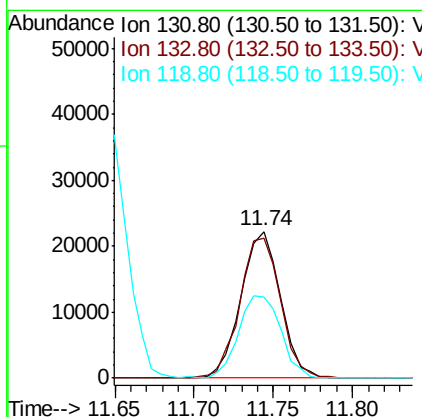
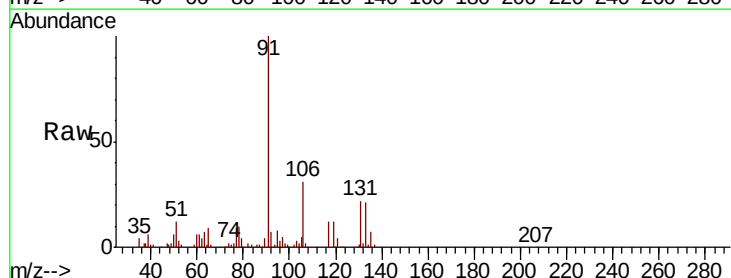
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

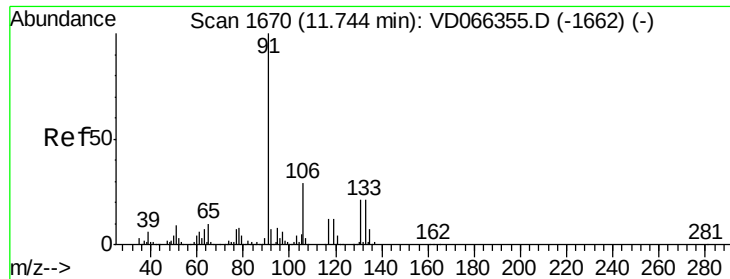
Tot Ion:112 Resp: 95653
Ion Ratio Lower Upper
112 100
114 29.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.651 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion:131 Resp: 38685
Ion Ratio Lower Upper
131 100
133 97.8 48.6 145.9
119 59.9 29.0 87.1

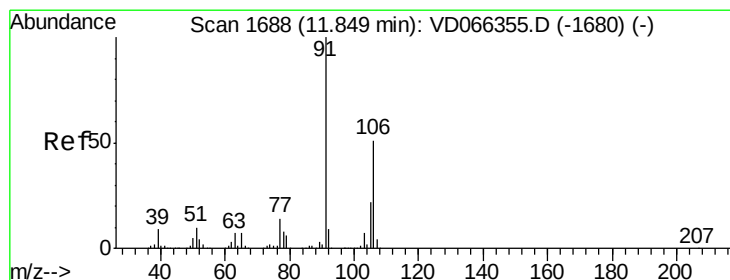
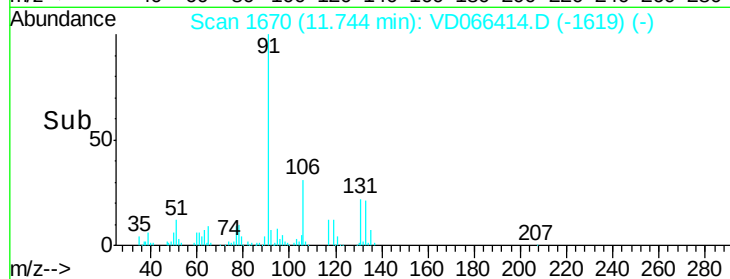
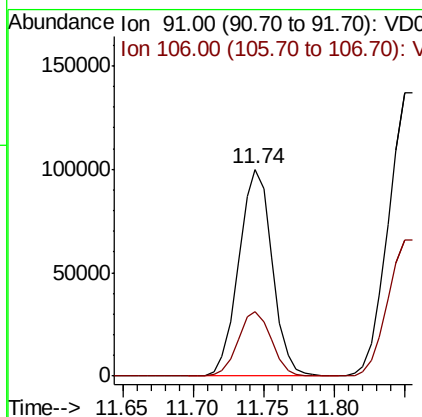
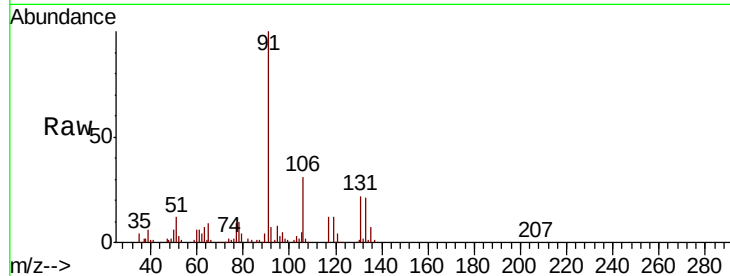




#67
Ethyl Benzene
Concen: 19.556 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

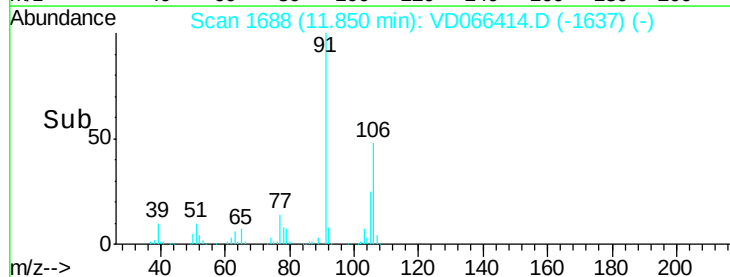
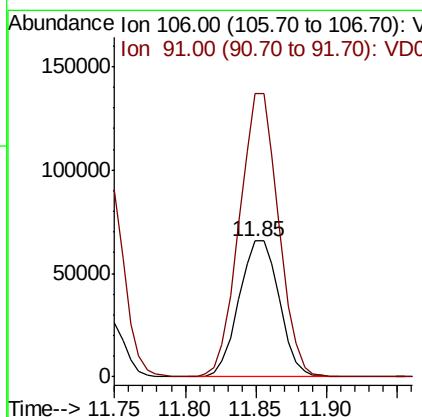
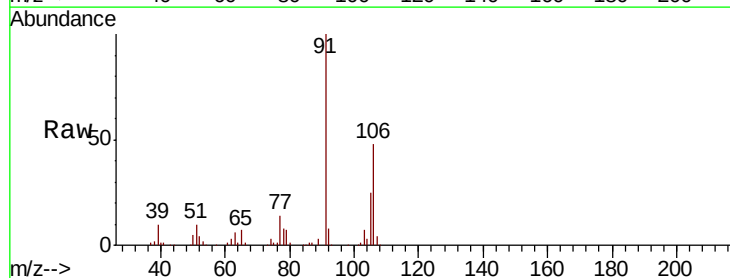
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

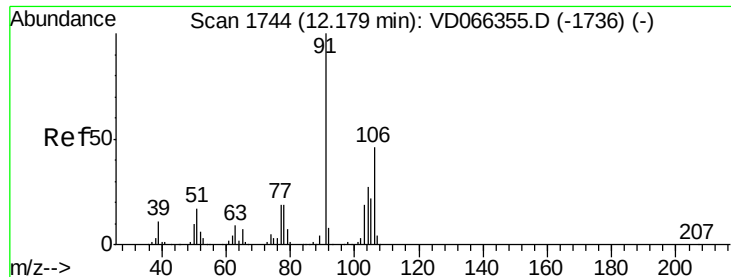
Tot Ion: 91 Resp: 165816
Ion Ratio Lower Upper
91 100
106 31.2 23.4 35.2



#68
m/p-Xylenes
Concen: 40.742 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 106 Resp: 131673
Ion Ratio Lower Upper
106 100
91 202.3 160.7 241.1





#69

o-Xylene

Concen: 19.914 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

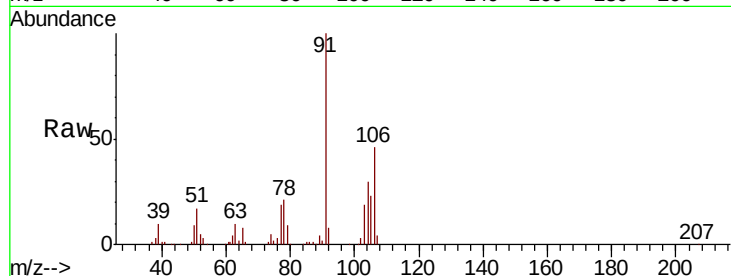
VD0826SBSD01

Tot Ion:106 Resp: 59875

Ion Ratio Lower Upper

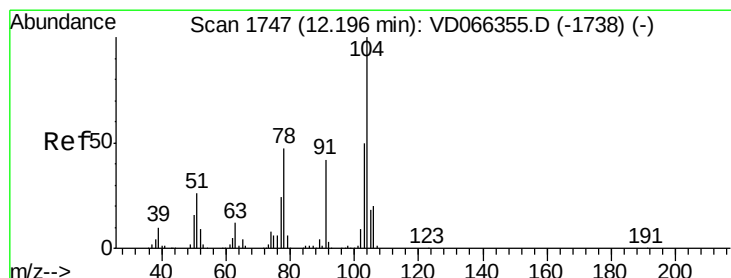
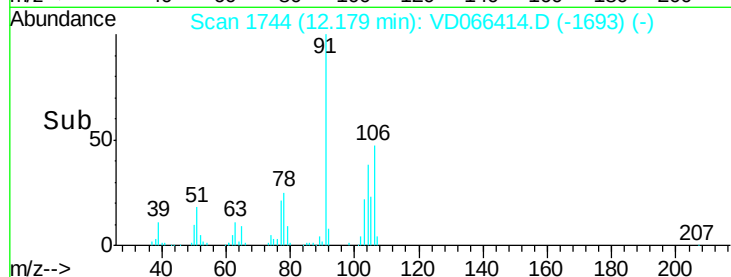
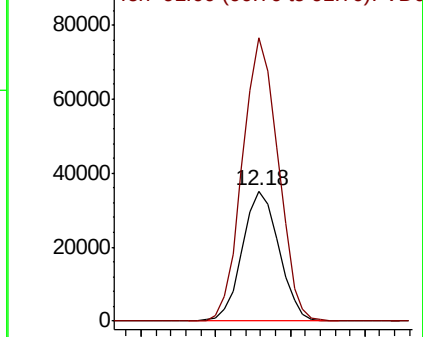
106 100

91 212.7 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 20.387 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

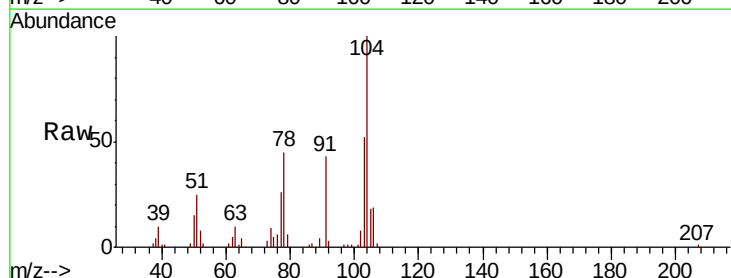
Tgt Ion:104 Resp: 105247

Ion Ratio Lower Upper

104 100

78 51.3 41.7 62.5

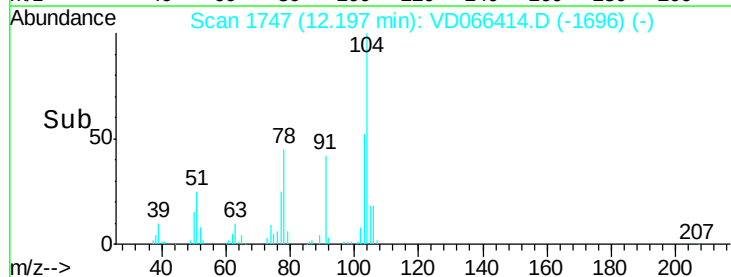
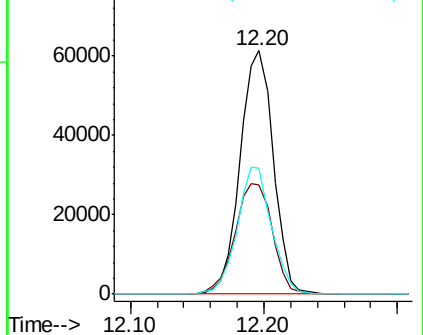
103 53.9 43.5 65.3

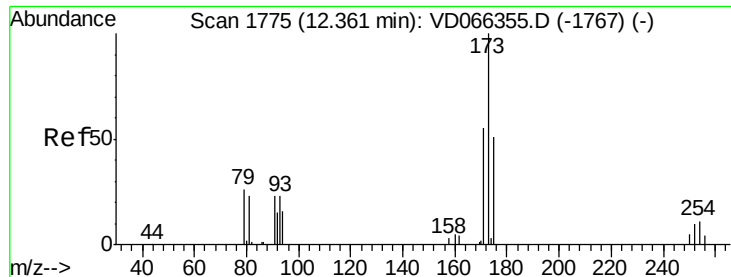


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.673 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

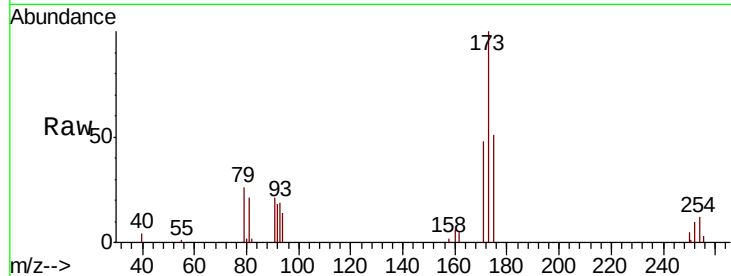
Tot Ion:173 Resp: 23089

Ion Ratio Lower Upper

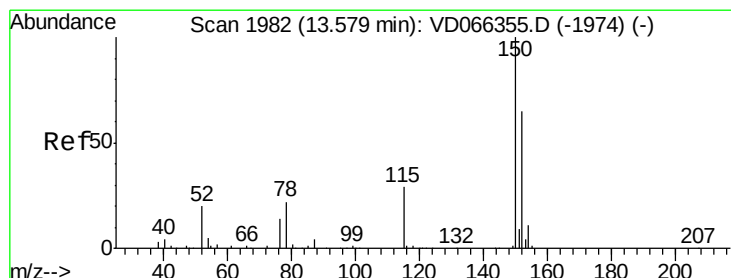
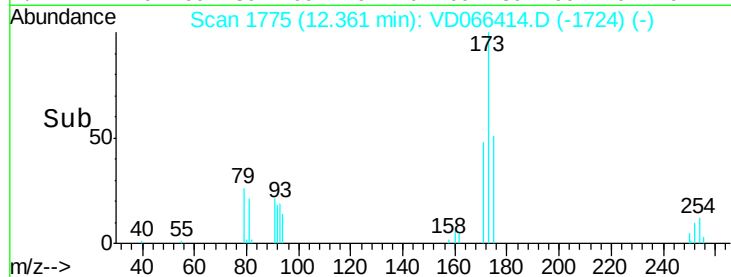
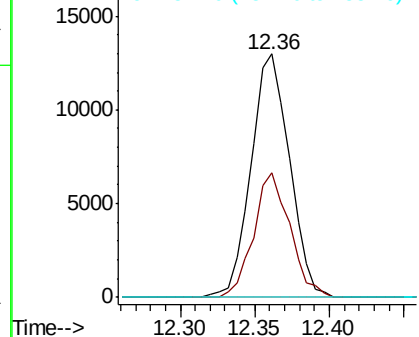
173 100

175 48.2 24.8 74.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

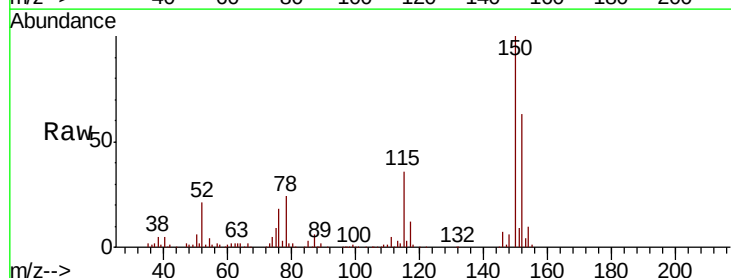
Tgt Ion:152 Resp: 129729

Ion Ratio Lower Upper

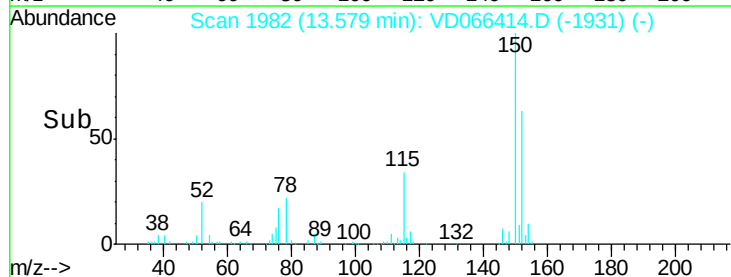
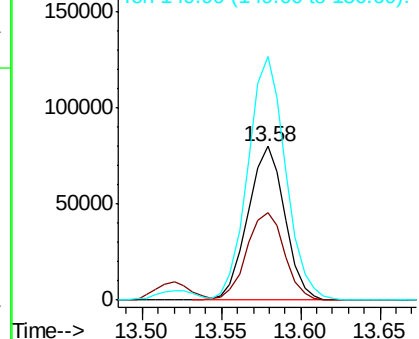
152 100

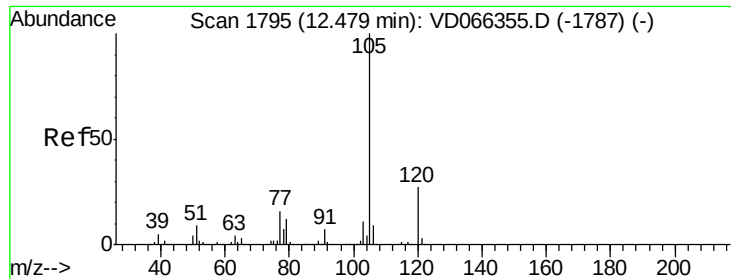
115 58.1 28.3 85.0

150 161.9 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.846 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

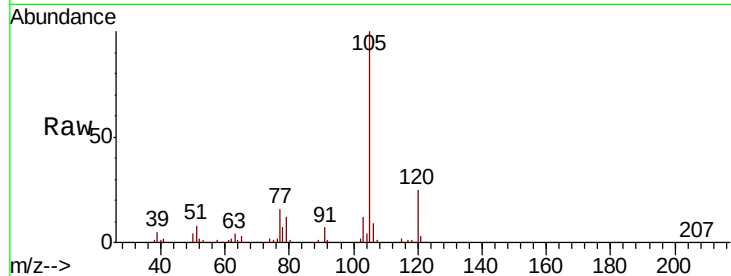
VD0826SBSD01

Tot Ion:105 Resp: 172475

Ion Ratio Lower Upper

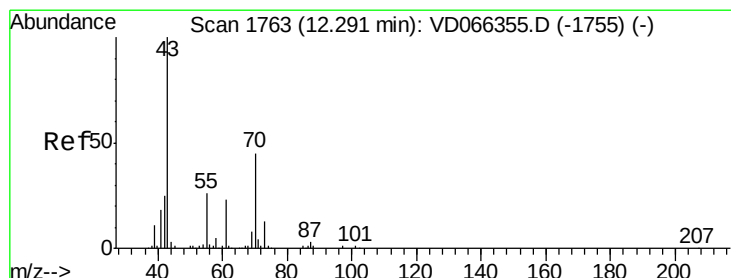
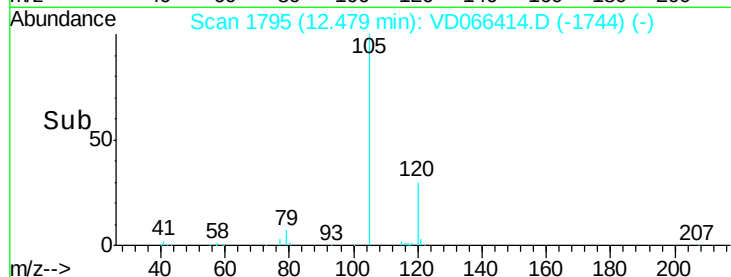
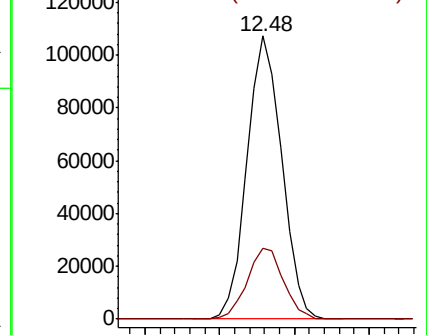
105 100

120 26.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.110 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Tgt Ion: 43 Resp: 26855

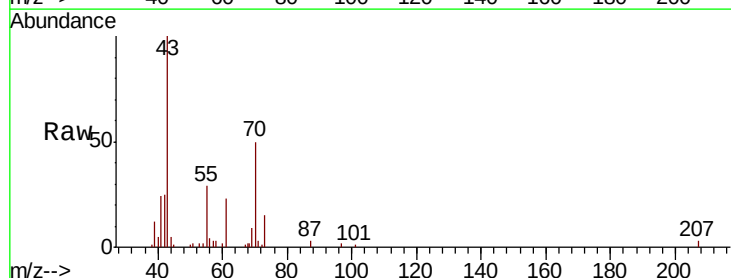
Ion Ratio Lower Upper

43 100

70 48.8 34.8 52.2

55 25.7 20.3 30.5

61 25.9 19.0 28.6

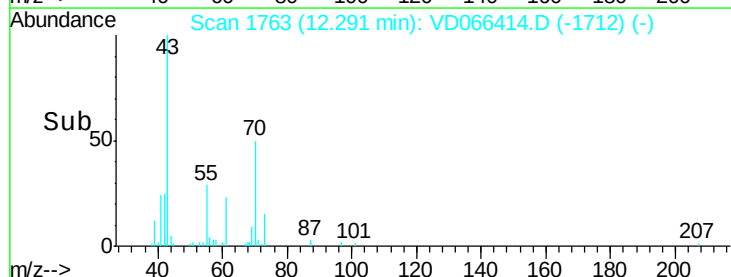
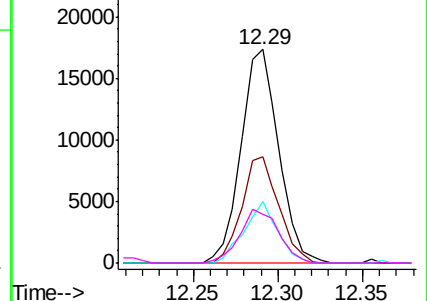


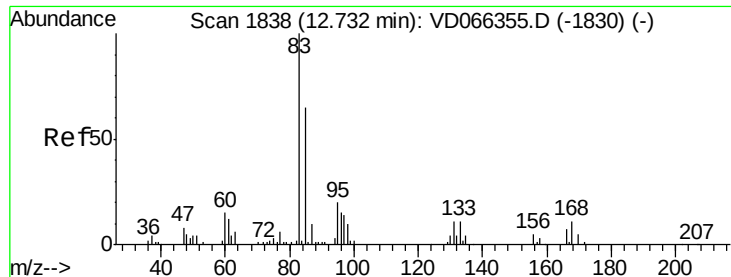
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.672 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

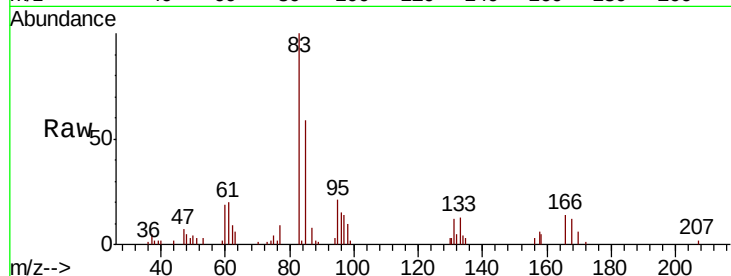
Tot Ion: 83 Resp: 23181

Ion Ratio Lower Upper

83 100

131 13.8 7.0 20.9

85 64.6 32.4 97.0



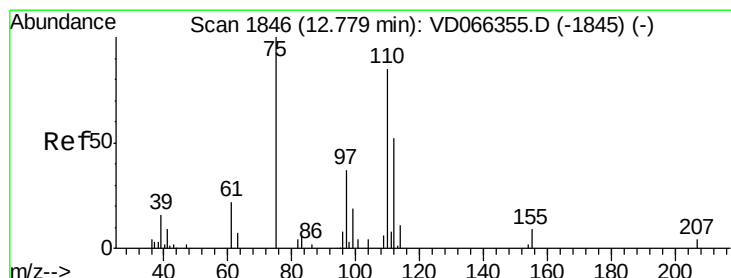
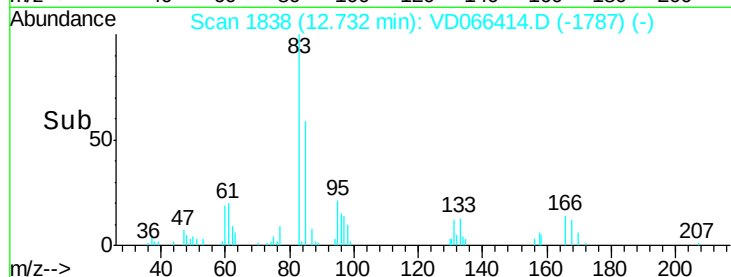
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 38.446 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066414.D

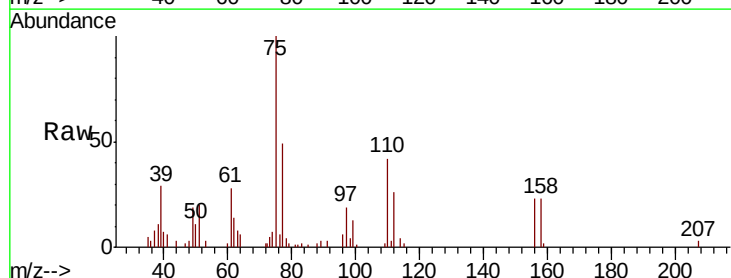
Acq: 26 Aug 2020 12:19

Tgt Ion: 75 Resp: 35088

Ion Ratio Lower Upper

75 100

77 0.0 182.9 548.9#

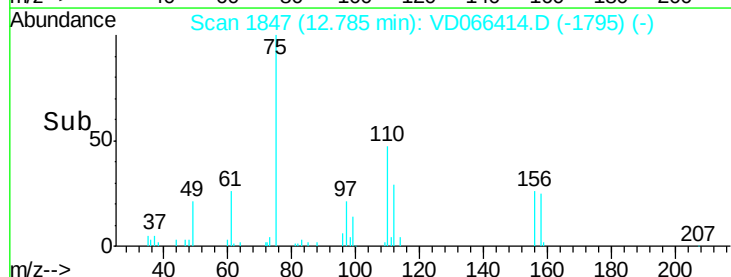


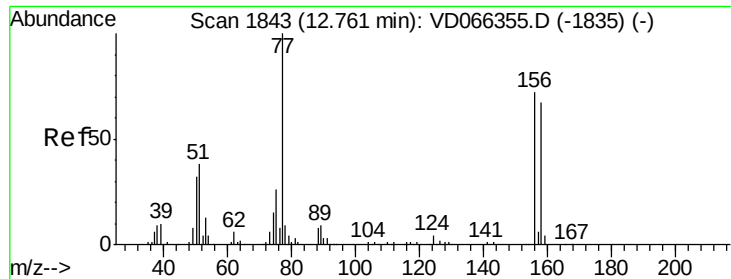
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.78

Time--> 12.70 12.80





#77

Bromobenzene

Concen: 18.910 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

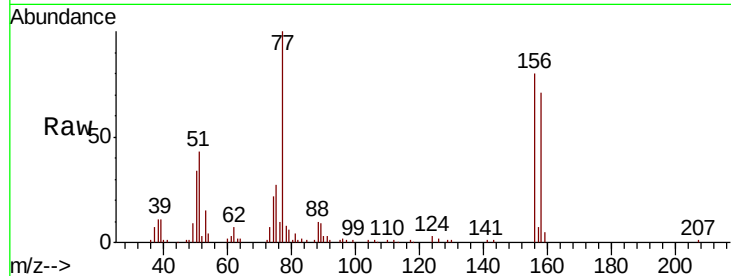
Tot Ion:156 Resp: 41710

Ion Ratio Lower Upper

156 100

77 153.7 76.1 228.3

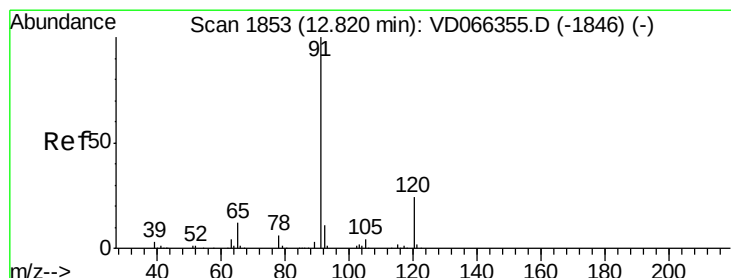
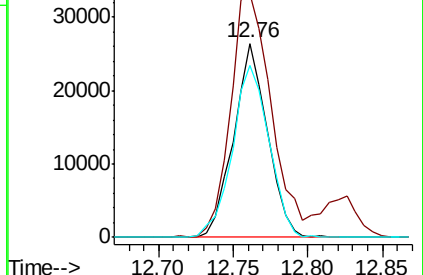
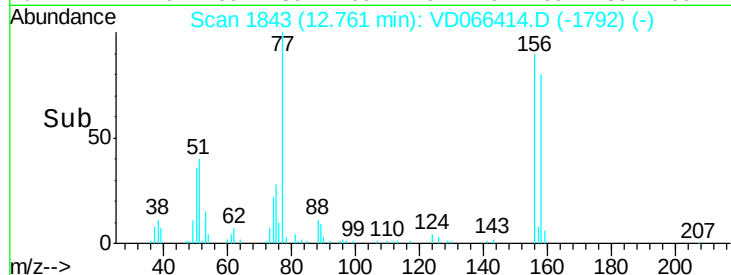
158 95.4 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.421 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066414.D

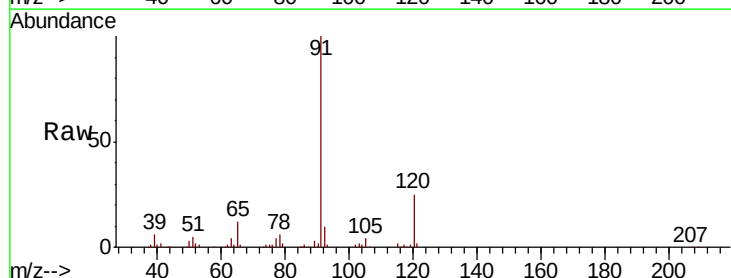
Acq: 26 Aug 2020 12:19

Tgt Ion: 91 Resp: 193517

Ion Ratio Lower Upper

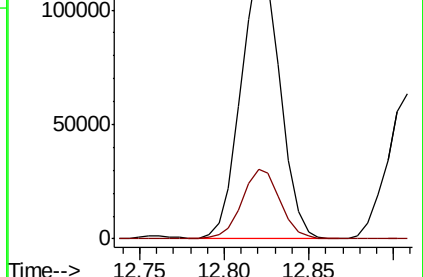
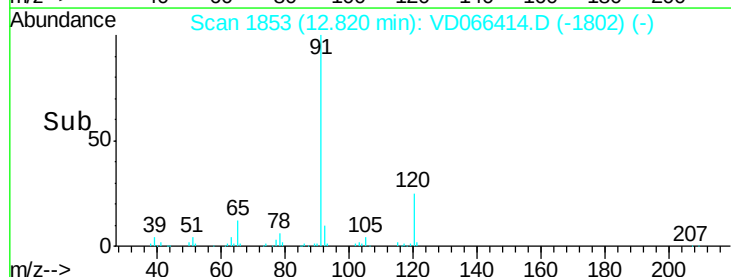
91 100

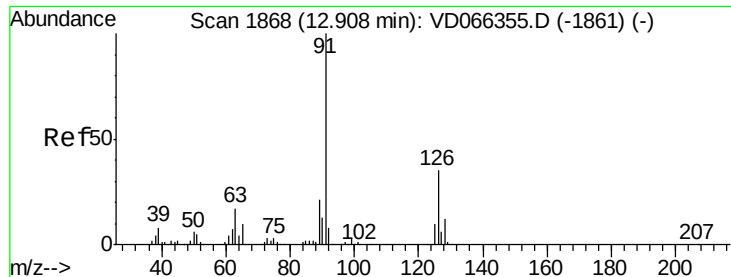
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

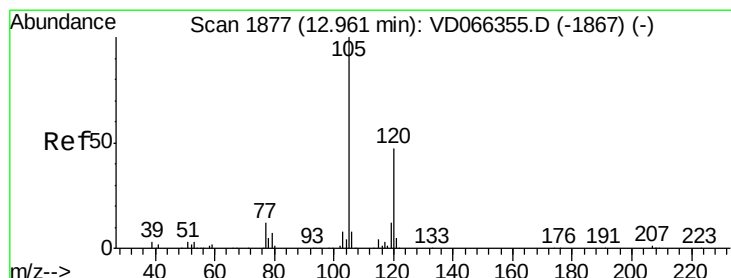
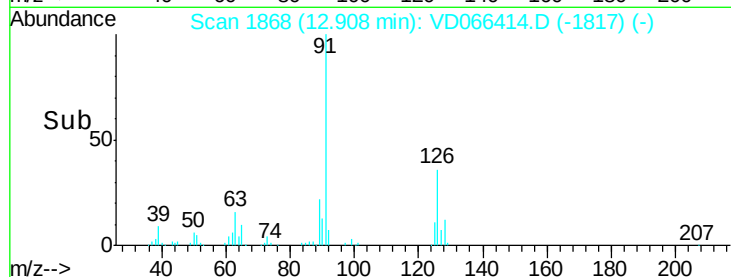
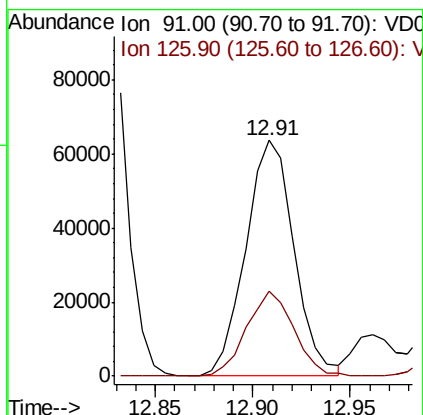
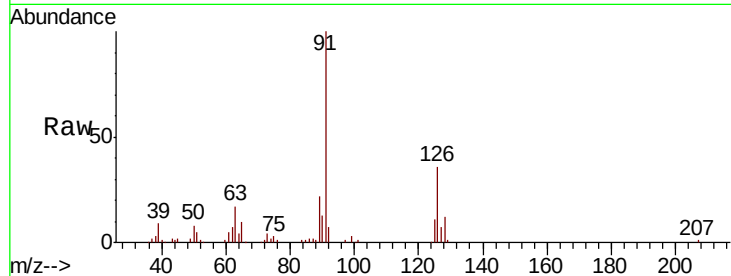




#79
 2-Chlorotoluene
 Concen: 19.250 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

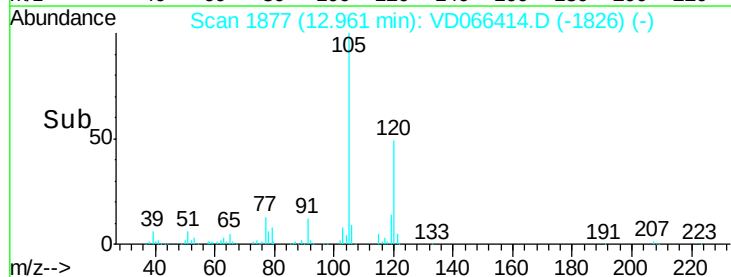
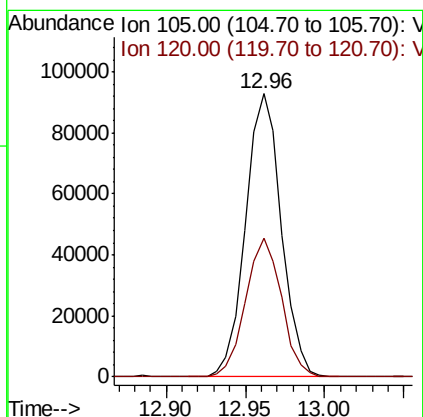
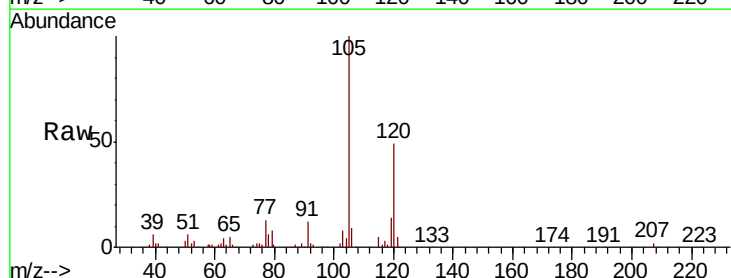
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

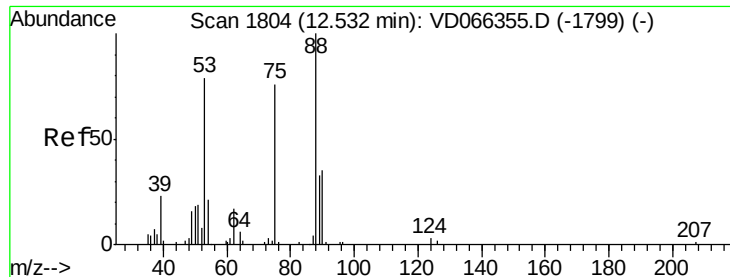
Tot Ion: 91 Resp: 109554
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.263 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion:105 Resp: 144543
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.118 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBSD01

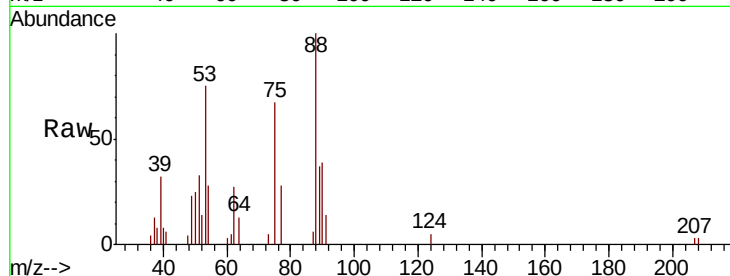
Tot Ion: 75 Resp: 6930

Ion Ratio Lower Upper

75 100

53 124.5 87.4 131.2

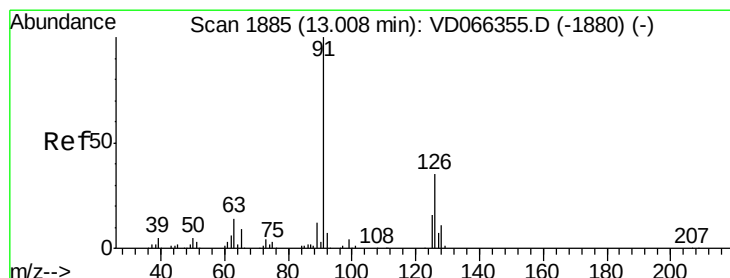
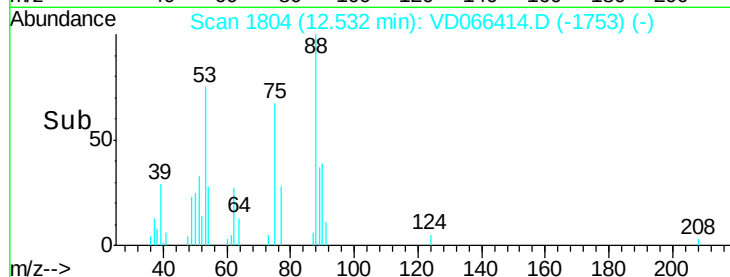
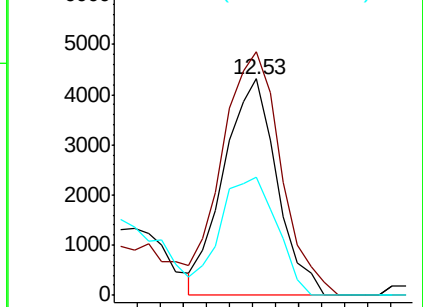
89 58.4 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.604 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066414.D

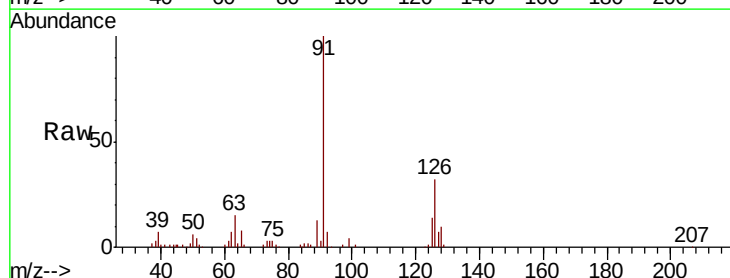
Acq: 26 Aug 2020 12:19

Tgt Ion: 91 Resp: 118206

Ion Ratio Lower Upper

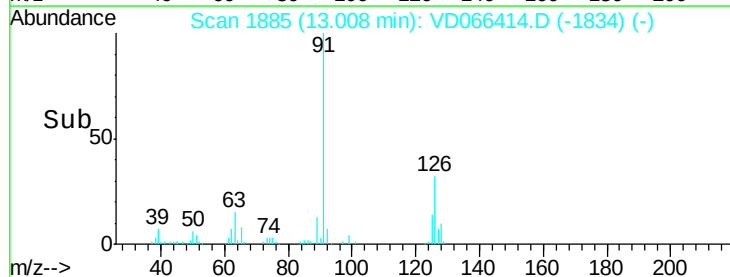
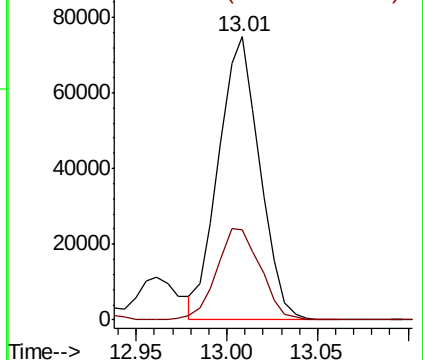
91 100

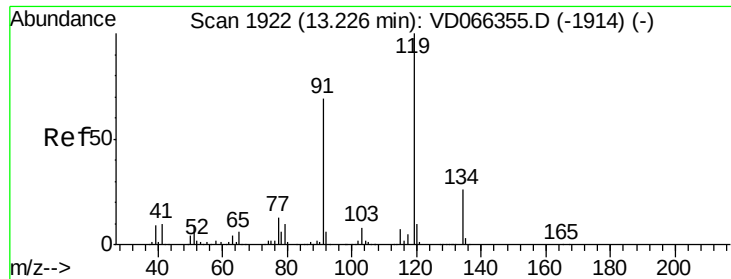
126 34.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

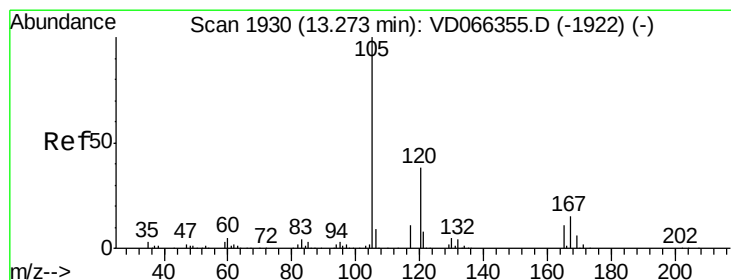
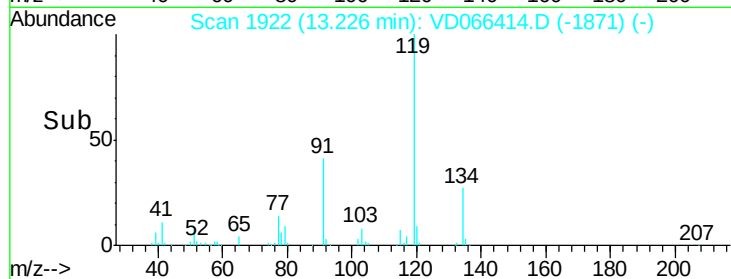
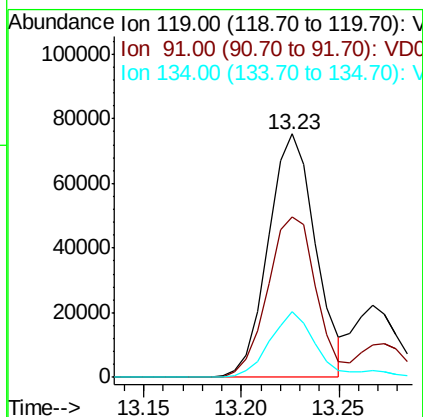
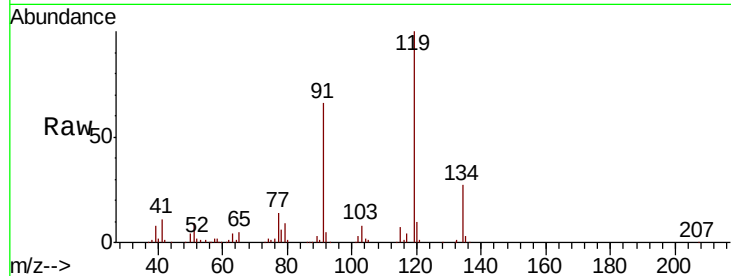




#83
 tert-Butylbenzene
 Concen: 19.363 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

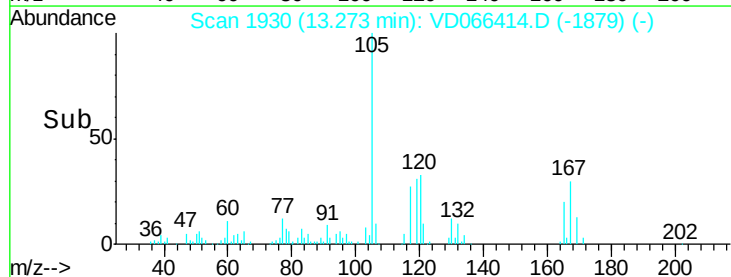
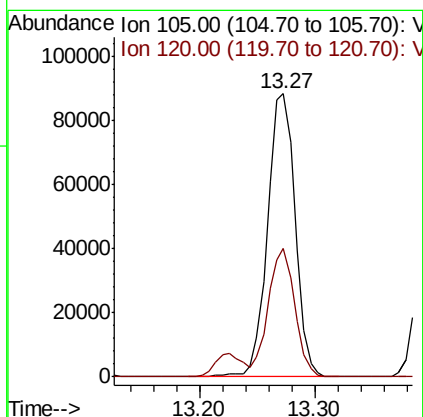
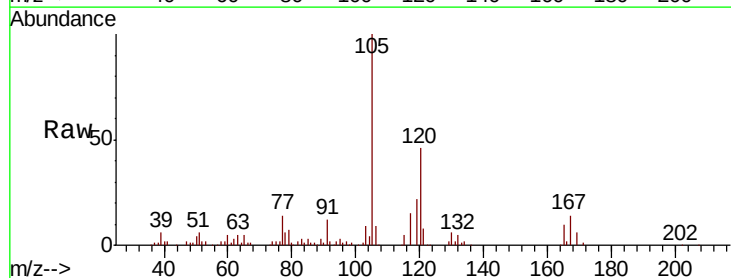
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

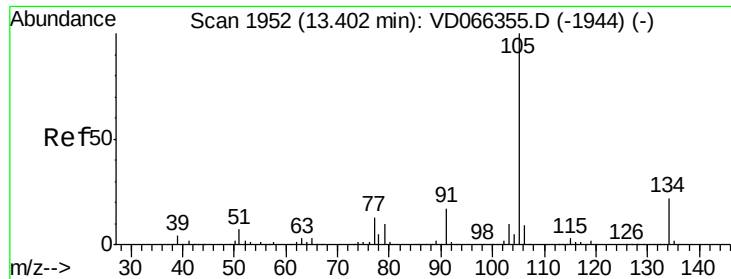
Tot Ion:119 Resp: 126195
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.5 100.5
 134 27.4 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.075 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion:105 Resp: 147952
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.402 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

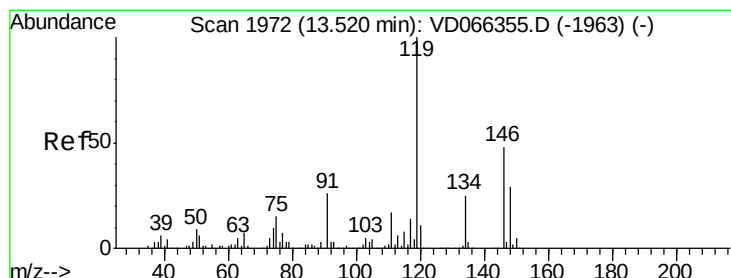
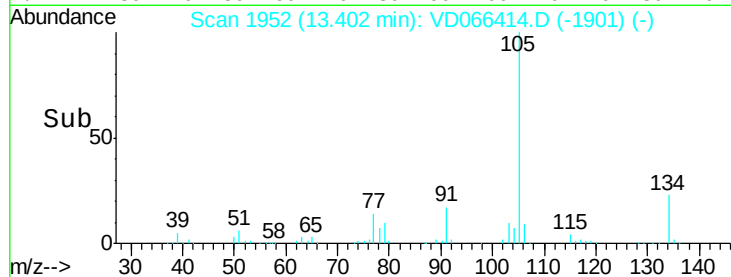
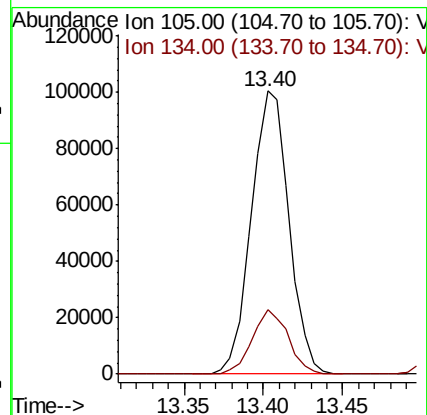
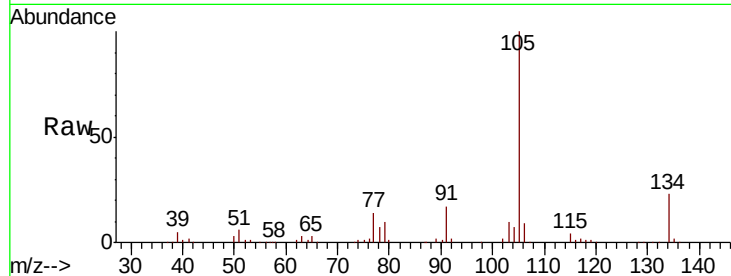
VD0826SBSD01

Tot Ion:105 Resp: 165676

Ion Ratio Lower Upper

105 100

134 21.8 10.8 32.4



#86

p-Isopropyltoluene

Concen: 20.226 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066414.D

Acq: 26 Aug 2020 12:19

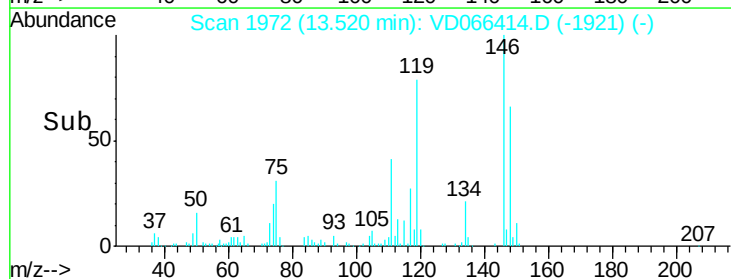
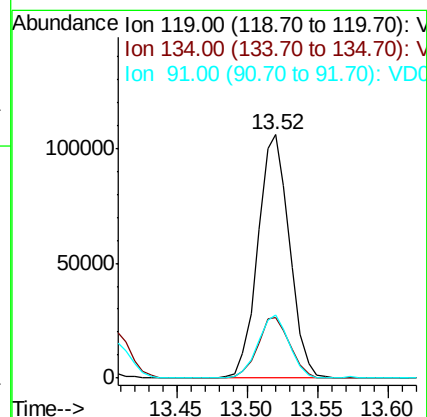
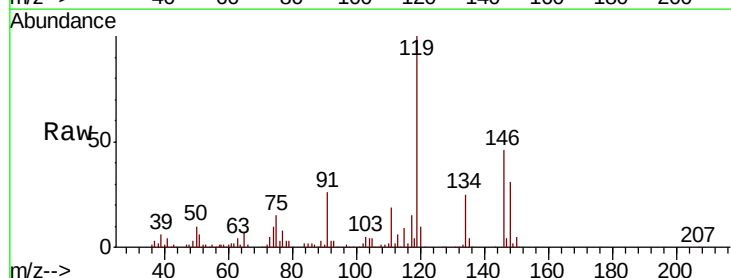
Tgt Ion:119 Resp: 166536

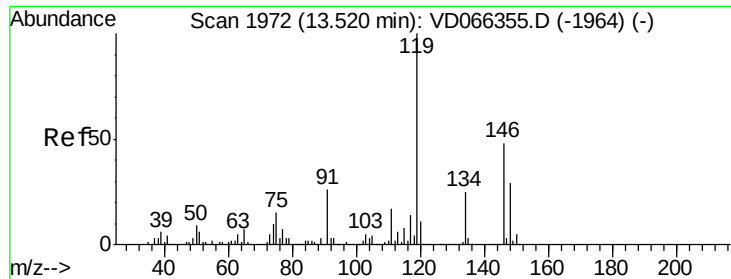
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 25.6 12.7 38.0

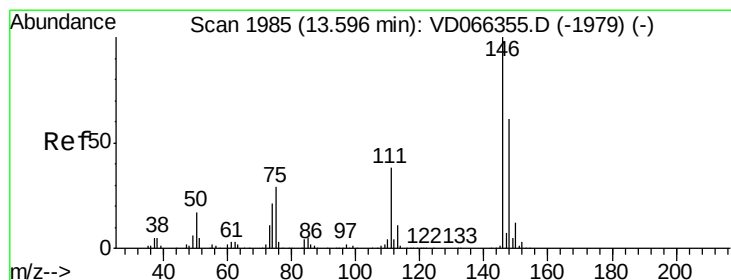
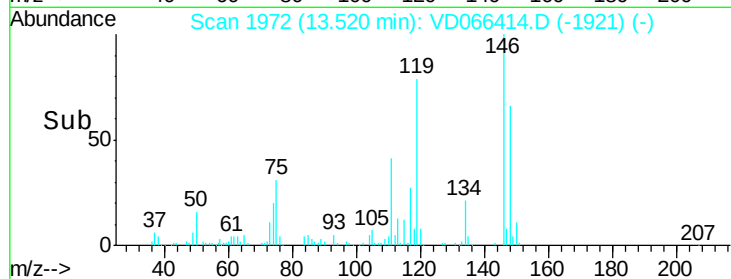
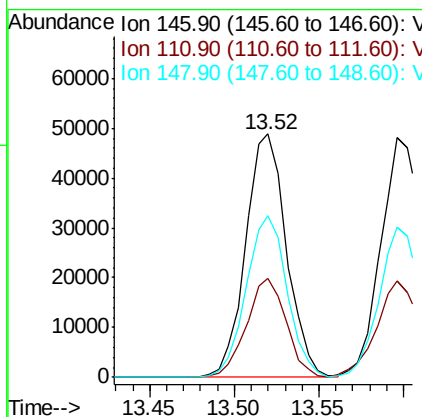
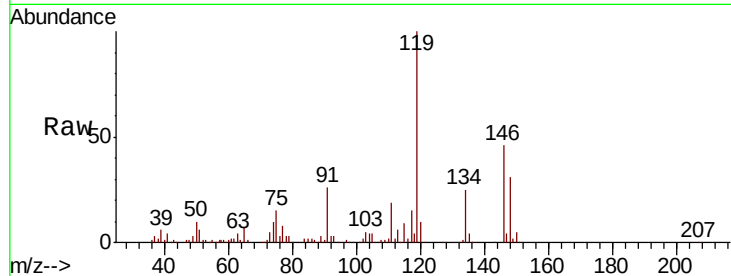




#87
 1,3-Dichlorobenzene
 Concen: 19.888 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

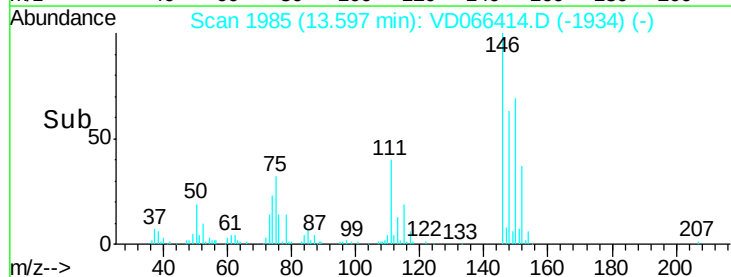
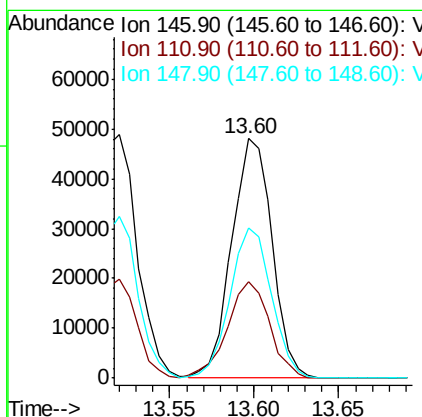
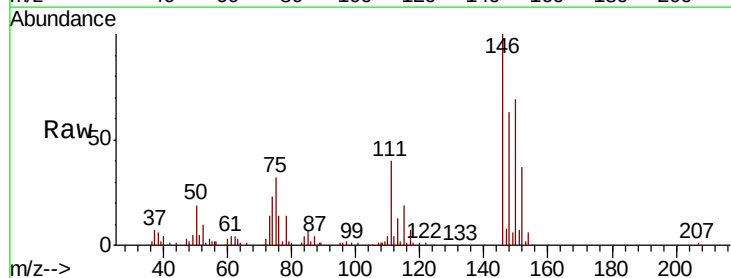
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

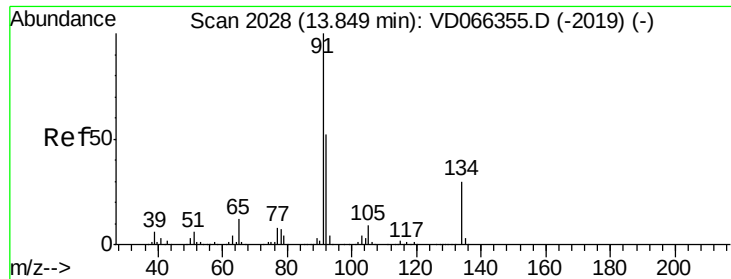
Tot Ion:146 Resp: 81887
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.9 56.9
 148 66.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.423 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion:146 Resp: 80299
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.1 57.5
 148 64.4 32.1 96.3

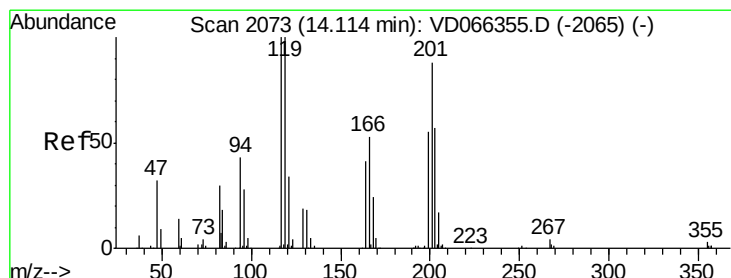
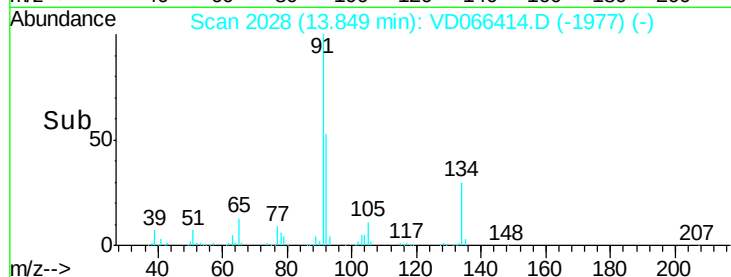
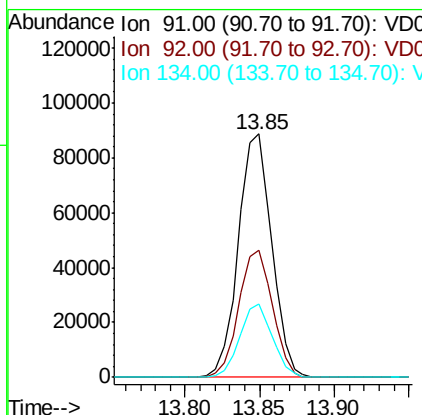
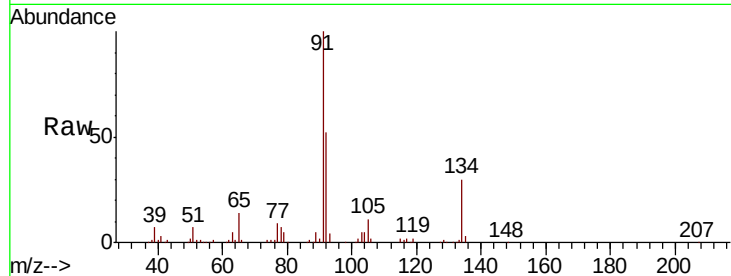




#89
n-Butylbenzene
Concen: 18.983 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

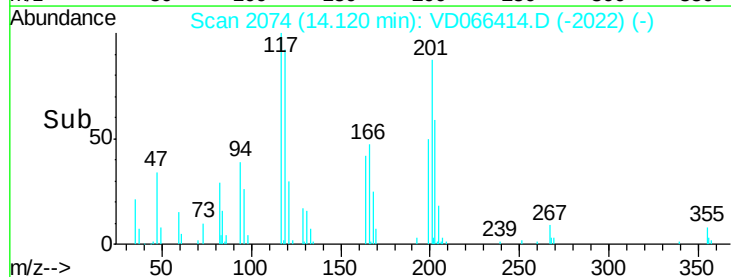
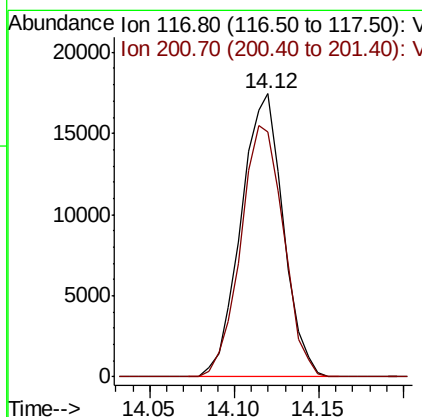
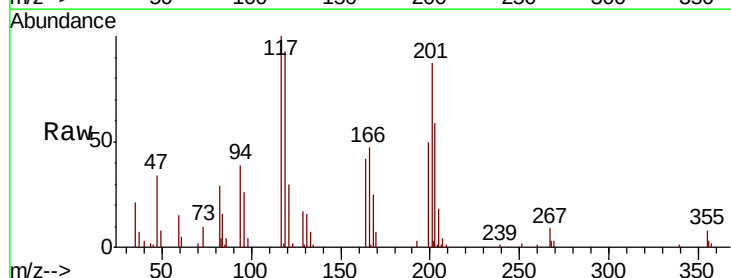
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

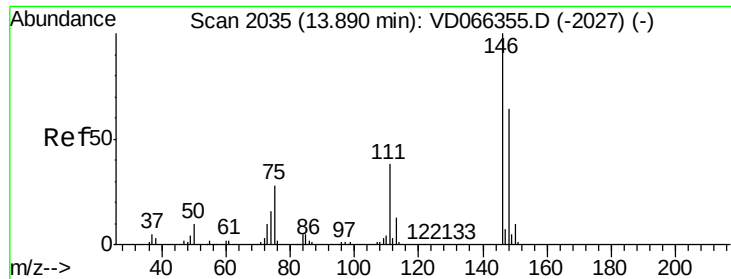
Tot Ion: 91 Resp: 137926
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 29.3 14.4 43.4



#90
Hexachloroethane
Concen: 18.637 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion: 117 Resp: 30313
Ion Ratio Lower Upper
117 100
201 90.3 45.4 136.2

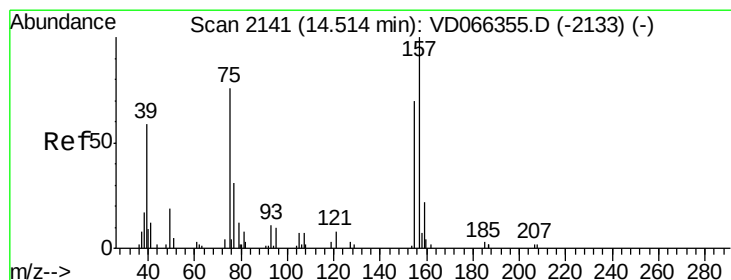
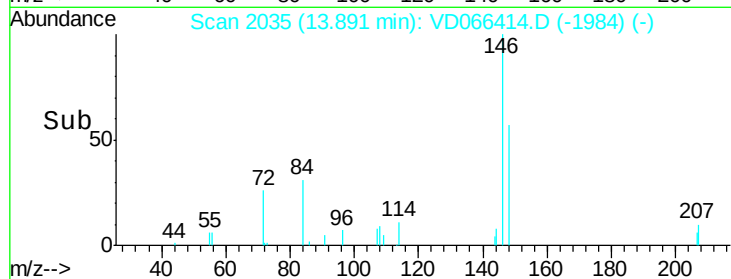
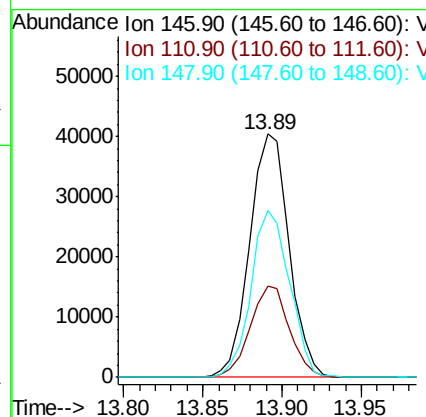
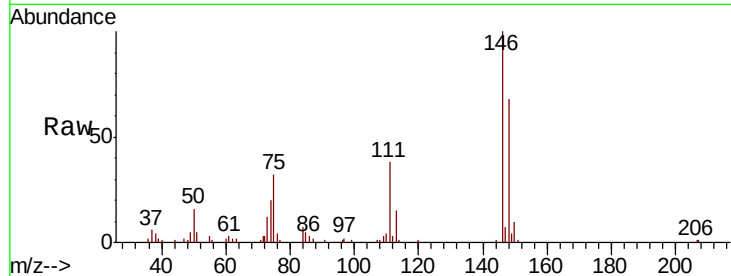




#91
 1,2-Dichlorobenzene
 Concen: 19.682 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

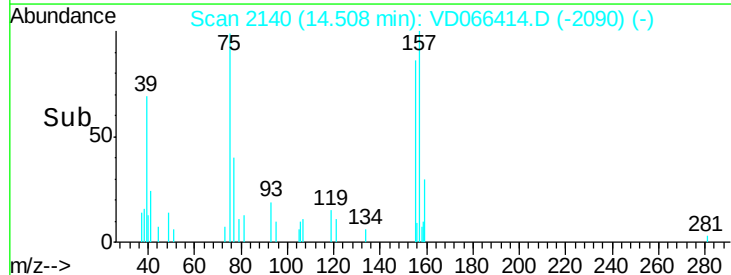
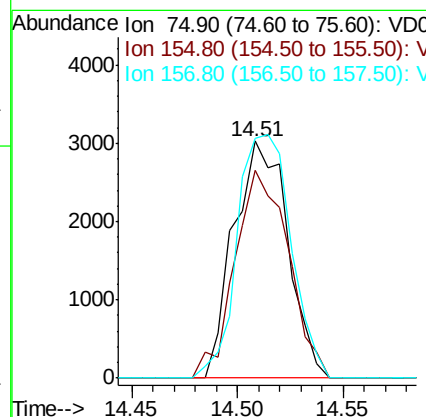
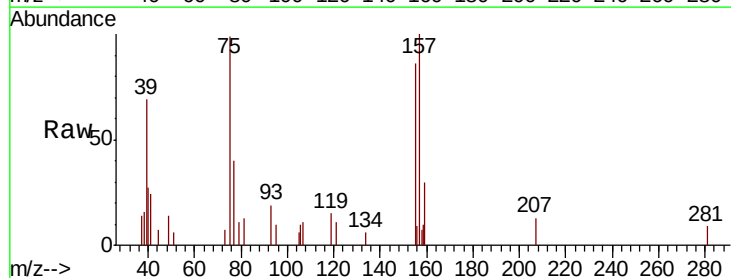
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

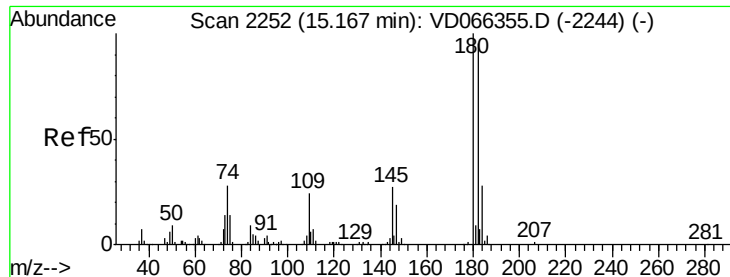
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.9	59.7
148	67.4	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.559 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	46.9	140.6
157	102.6	61.0	183.0

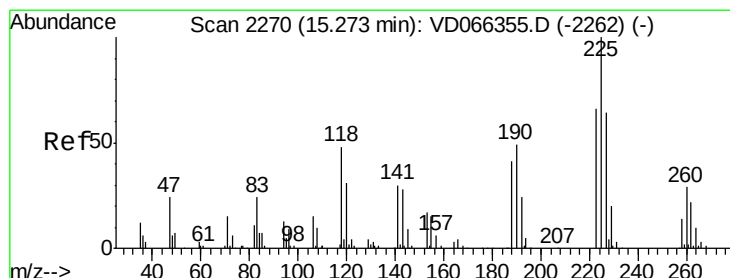
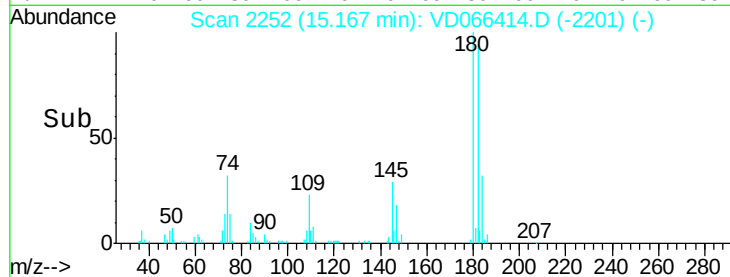
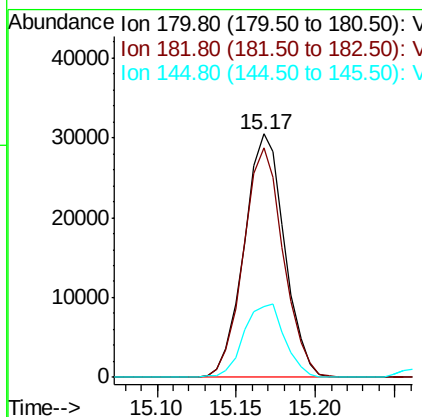
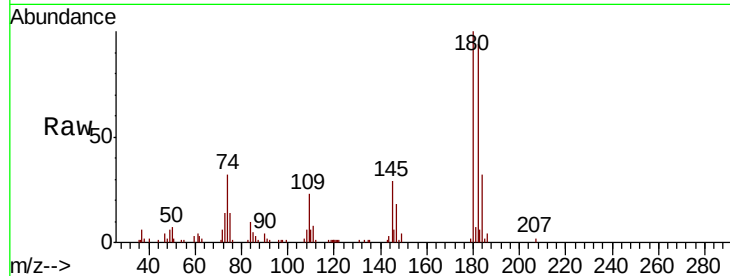




#93
 1,2,4-Trichlorobenzene
 Concen: 19.450 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

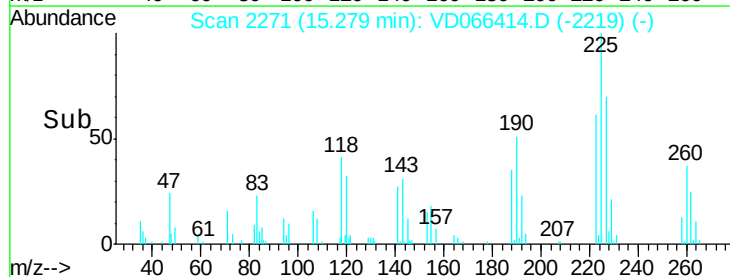
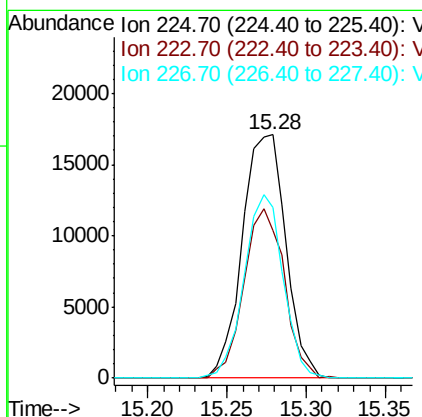
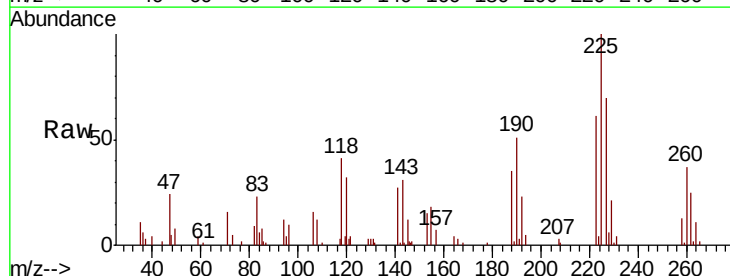
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBSD01

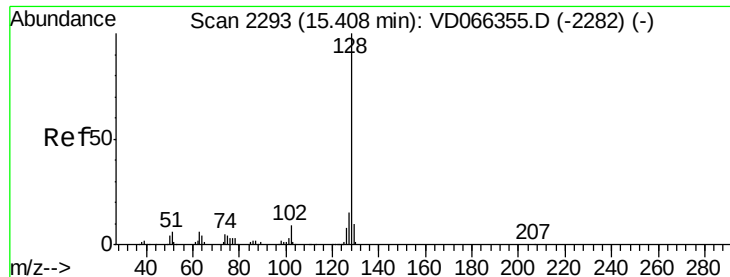
Tot Ion:180 Resp: 53820
 Ion Ratio Lower Upper
 180 100
 182 93.1 48.0 144.0
 145 30.6 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 19.041 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066414.D
 Acq: 26 Aug 2020 12:19

Tgt Ion:225 Resp: 32743
 Ion Ratio Lower Upper
 225 100
 223 64.6 32.5 97.4
 227 67.3 33.0 98.9

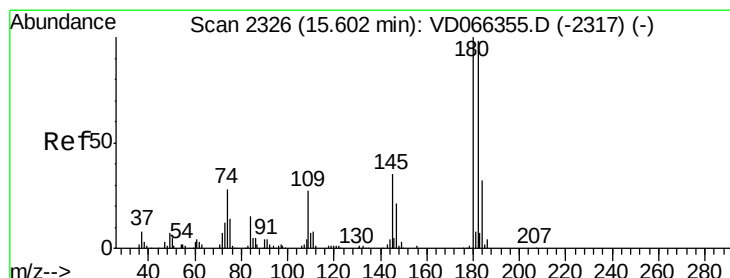
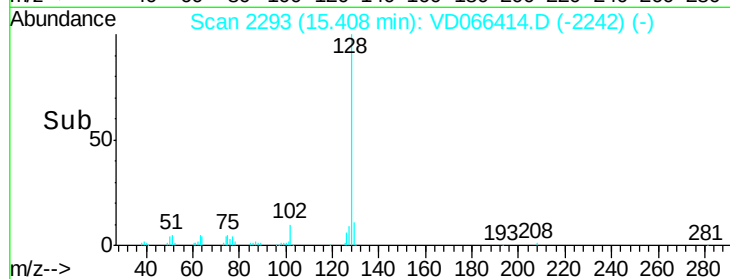
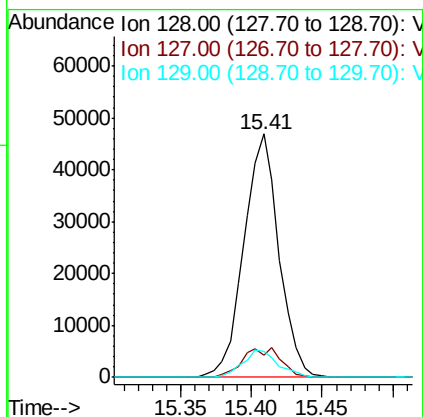
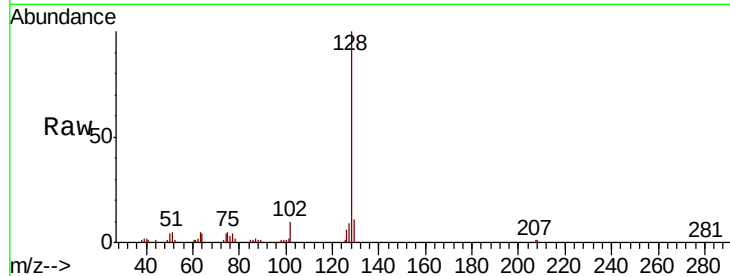




#95
Naphthalene
Concen: 18.712 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBSD01

Tot Ion:128 Resp: 81326
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.544 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066414.D
Acq: 26 Aug 2020 12:19

Tgt Ion:180 Resp: 46328
Ion Ratio Lower Upper
180 100
182 94.9 46.7 140.0
145 33.2 16.0 48.0

