

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065526.D
 Acq On : 26 Mar 2020 15:39
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 27 01:14:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	22976	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
35) Dibromofluoromethane	7.91	113	25445	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
50) Toluene-d8	10.34	98	86613	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.64	95	26424	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	23277	5.859	ug/l	95
3) Chloromethane	2.21	50	28408	5.787	ug/l	98
4) Vinyl Chloride	2.35	62	27601	5.681	ug/l	94
5) Bromomethane	2.77	94	20430	6.444	ug/l	88
6) Chloroethane	2.93	64	17671	5.885	ug/l	97
7) Trichlorofluoromethane	3.27	101	40140	5.568	ug/l	96
8) Diethyl Ether	3.70	74	12182	5.611	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	26707	5.712	ug/l	97
10) Methyl Iodide	4.29	142	24873	5.062	ug/l	96
11) Tert butyl alcohol	5.25	59	5499	23.038	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	24313	5.447	ug/l	97
13) Acrolein	3.93	56	9749	23.300	ug/l	92
14) Allyl chloride	4.71	41	34697	5.076	ug/l	99
15) Acrylonitrile	5.44	53	22743	24.223	ug/l	99
16) Acetone	4.17	43	23420	28.011	ug/l	93
17) Carbon Disulfide	4.40	76	80542	5.439	ug/l	100
18) Methyl Acetate	4.73	43	11623	5.463	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	41532	4.801	ug/l	97
20) Methylene Chloride	4.96	84	46899	8.998	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	27288	5.484	ug/l	97
22) Diisopropyl ether	6.37	45	59333	4.630	ug/l #	88
23) Vinyl Acetate	6.31	43	149389	21.030	ug/l	97
24) 1,1-Dichloroethane	6.27	63	43214	5.278	ug/l	99
25) 2-Butanone	7.22	43	26859	23.543	ug/l	99
26) 2,2-Dichloropropane	7.21	77	39840	5.536	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	26907	5.281	ug/l	100
28) Bromochloromethane	7.55	49	17301	5.225	ug/l	99
29) Tetrahydrofuran	7.57	42	15752	21.626	ug/l	96
30) Chloroform	7.71	83	46043	5.602	ug/l	97
31) Cyclohexane	7.98	56	45641	5.597	ug/l #	78
32) 1,1,1-Trichloroethane	7.91	97	42324	5.581	ug/l	99
36) 1,1-Dichloropropene	8.11	75	35857	5.099	ug/l	99
37) Ethyl Acetate	7.30	43	12039	4.402	ug/l #	90
38) Carbon Tetrachloride	8.10	117	39775	5.436	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065526.D
 Acq On : 26 Mar 2020 15:39
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Mar 27 01:14:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	37780	4.468	ug/l	89
40) Benzene	8.36	78	101191	5.136	ug/l	93
41) Methacrylonitrile	7.54	41	7408	5.001	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	27040	5.222	ug/l	99
43) Isopropyl Acetate	8.46	43	22044	4.378	ug/l	94
44) Trichloroethene	9.11	130	30658	5.496	ug/l	96
45) 1,2-Dichloropropane	9.39	63	23817	4.981	ug/l #	88
46) Dibromomethane	9.48	93	12441	5.009	ug/l	98
47) Bromodichloromethane	9.66	83	34168	5.286	ug/l	96
48) Methyl methacrylate	9.46	41	9829	4.134	ug/l	97
49) 1,4-Dioxane	9.47	88	2107	73.678	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	50675	19.932	ug/l	97
52) Toluene	10.41	92	60340	4.853	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28261	4.674	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	34873	4.769	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18093	5.115	ug/l	98
56) Ethyl methacrylate	10.66	69	14929	3.748	ug/l	94
57) 1,3-Dichloropropane	10.95	76	29686	4.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	42435	29.153	ug/l	95
59) 2-Hexanone	10.99	43	33609	19.151	ug/l	94
60) Dibromochloromethane	11.14	129	24217	5.330	ug/l	94
61) 1,2-Dibromoethane	11.25	107	17570	5.188	ug/l	96
64) Tetrachloroethene	10.88	164	26004	5.399	ug/l	92
65) Chlorobenzene	11.67	112	68622	5.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	25914	5.327	ug/l	99
67) Ethyl Benzene	11.75	91	106554	4.660	ug/l	98
68) m/p-Xylenes	11.86	106	81407	9.224	ug/l	98
69) o-Xylene	12.19	106	33438	4.305	ug/l	96
70) Styrene	12.20	104	58513	4.266	ug/l	97
71) Bromoform	12.37	173	13532	4.941	ug/l #	100
73) Isopropylbenzene	12.48	105	93443	4.299	ug/l	99
74) N-amyl acetate	12.29	43	17525	3.934	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	18295	4.764	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	23216	8.656	ug/l #	100
77) Bromobenzene	12.77	156	27306	5.005	ug/l	98
78) n-propylbenzene	12.83	91	114756	4.434	ug/l	99
79) 2-Chlorotoluene	12.91	91	68104	4.659	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	76398	4.272	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5288	4.251	ug/l	94
82) 4-Chlorotoluene	13.01	91	73153	4.767	ug/l	98
83) tert-Butylbenzene	13.23	119	64446	4.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	76146	4.308	ug/l	98
85) sec-Butylbenzene	13.41	105	95571	4.433	ug/l	99
86) p-Isopropyltoluene	13.53	119	82376	4.182	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	54101	5.156	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	56814	5.439	ug/l	94
89) n-Butylbenzene	13.86	91	81636	4.502	ug/l	97
90) Hexachloroethane	14.12	117	21302	5.248	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	46166	5.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2668	4.546	ug/l	96

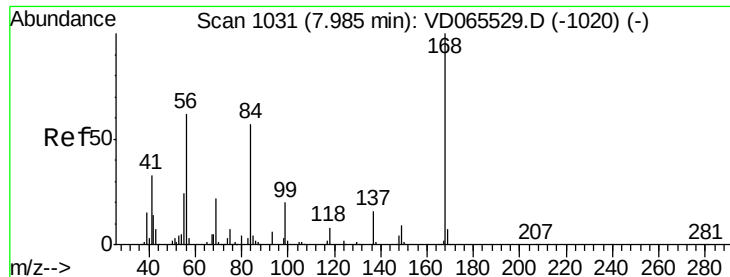
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032620\
Data File : VD065526.D
Acq On : 26 Mar 2020 15:39
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Mar 27 01:14:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:12:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	30482	5.028	ug/l	97
94) Hexachlorobutadiene	15.28	225	21243	5.366	ug/l	99
95) Naphthalene	15.41	128	38356	3.969	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	25629	4.893	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

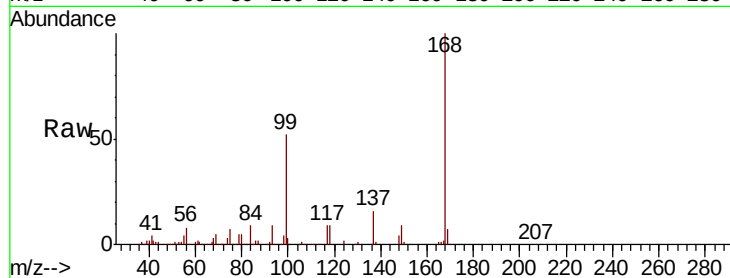
VSTDIC005

Tot Ion:168 Resp: 488421

Ion Ratio Lower Upper

168 100

99 52.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

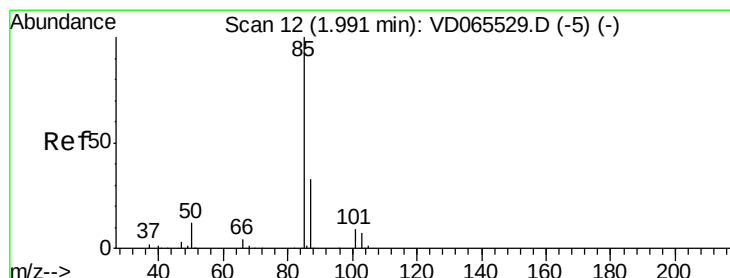
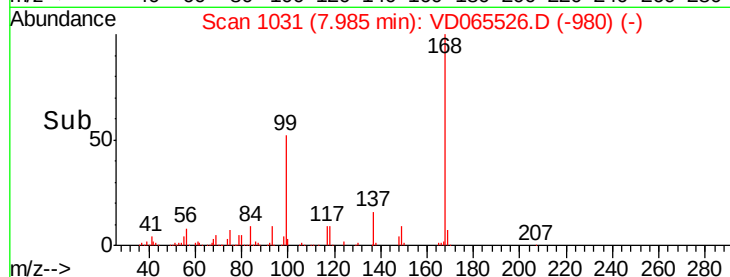
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.859 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065526.D

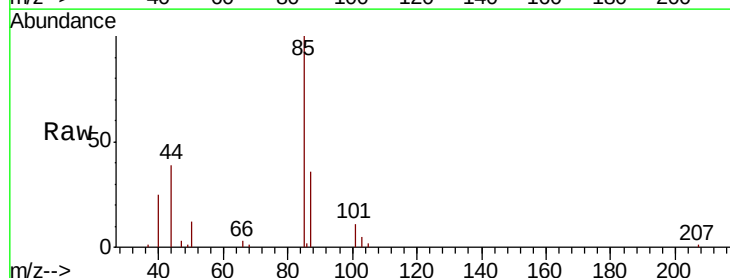
Acq: 26 Mar 2020 15:39

Tgt Ion: 85 Resp: 23277

Ion Ratio Lower Upper

85 100

87 35.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

20000

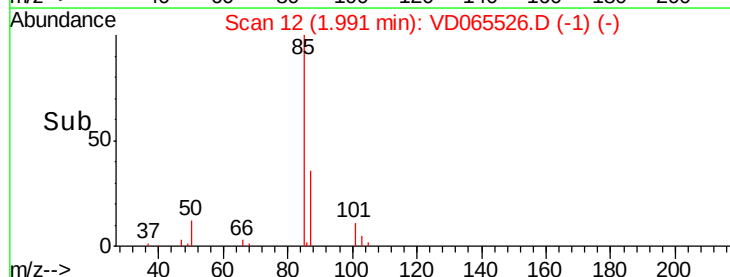
15000

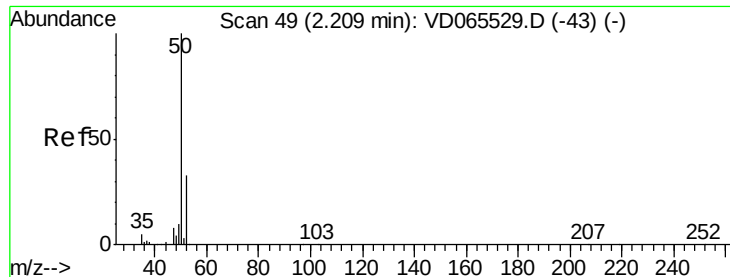
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.787 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

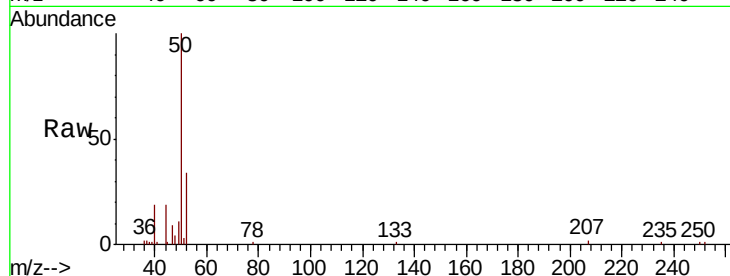
VSTDIC005

Tot Ion: 50 Resp: 28408

Ion Ratio Lower Upper

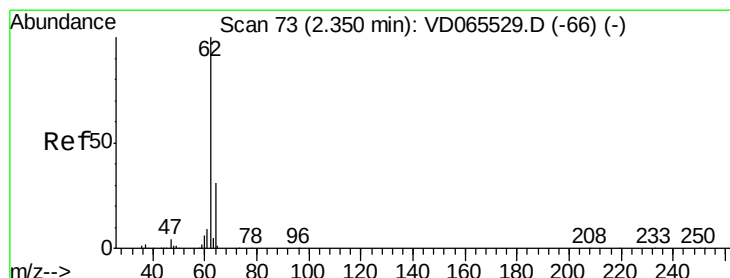
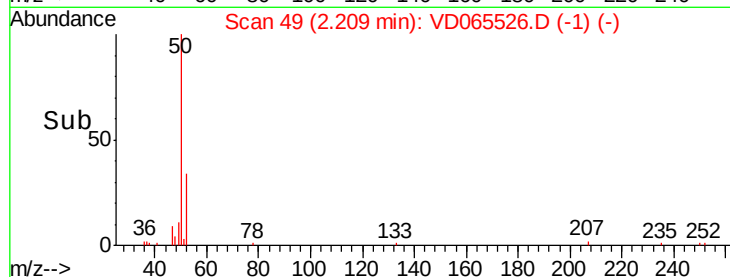
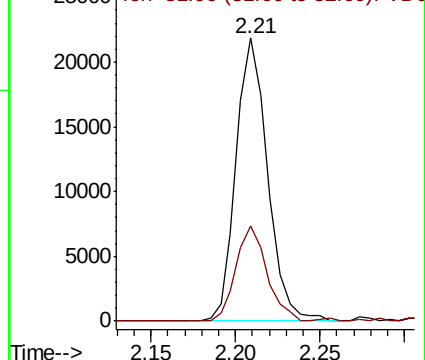
50 100

52 33.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.681 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065526.D

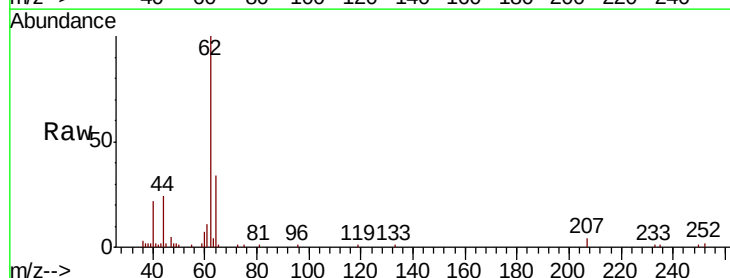
Acq: 26 Mar 2020 15:39

Tgt Ion: 62 Resp: 27601

Ion Ratio Lower Upper

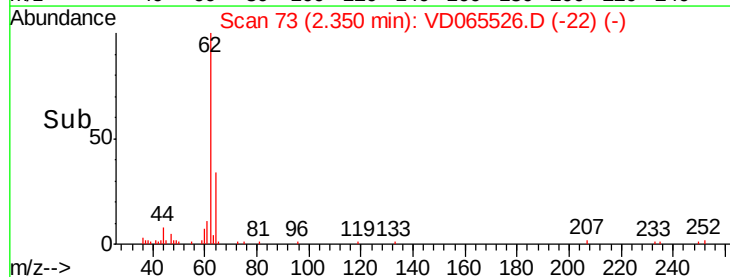
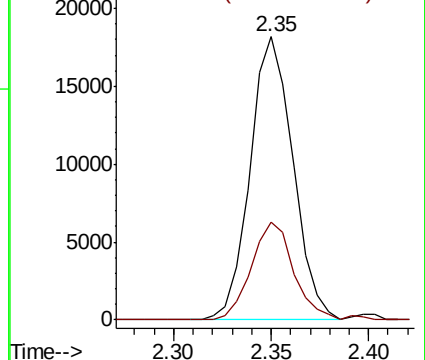
62 100

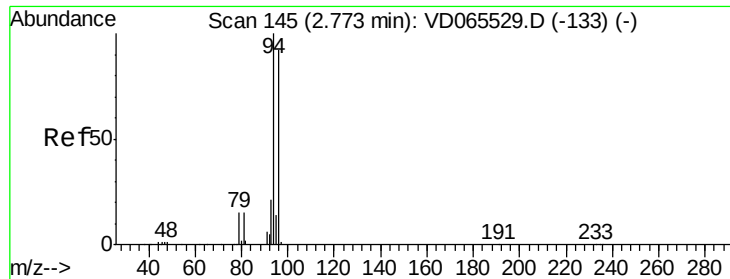
64 34.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.444 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

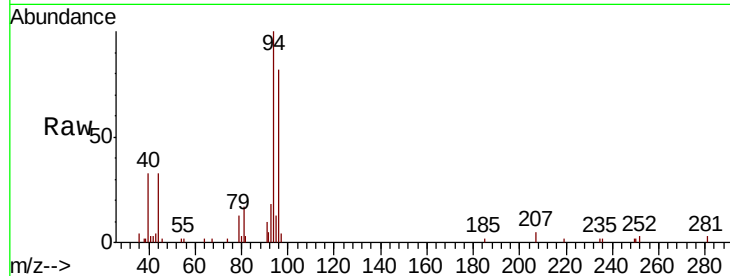
VSTDIC005

Tot Ion: 94 Resp: 20430

Ion Ratio Lower Upper

94 100

96 80.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

12000

10000

8000

6000

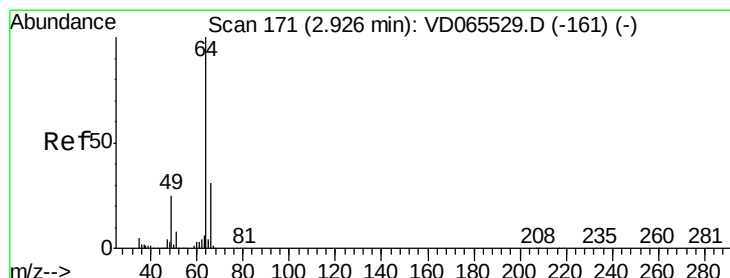
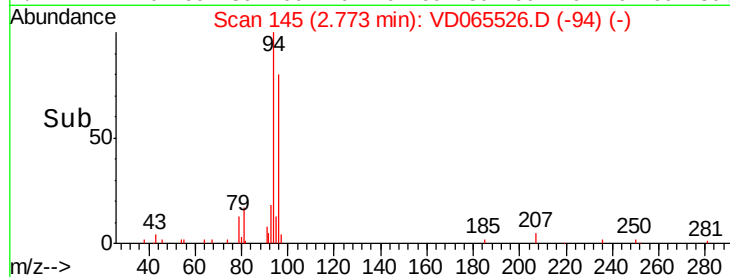
4000

2000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 5.885 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD065526.D

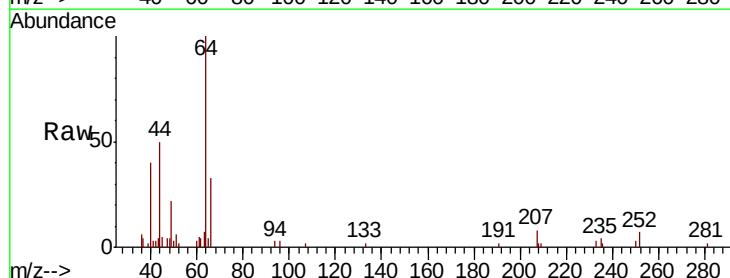
Acq: 26 Mar 2020 15:39

Tgt Ion: 64 Resp: 17671

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

8000

6000

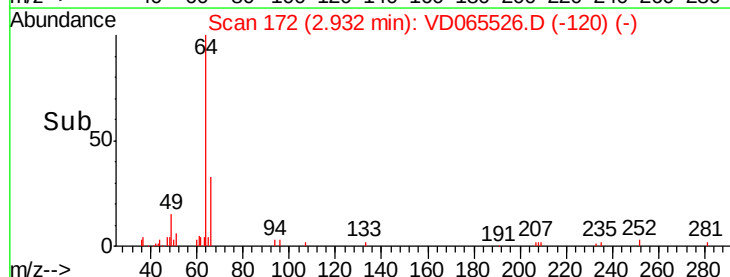
4000

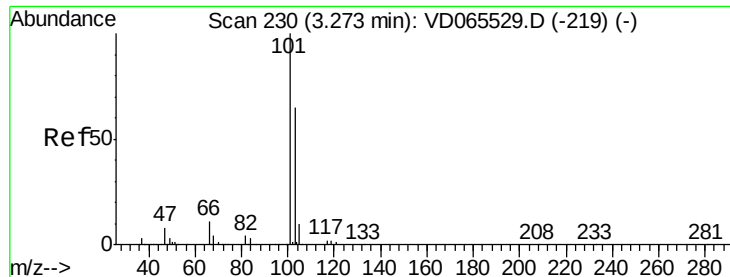
2000

0

Time-->

2.85 2.90 2.95 3.00



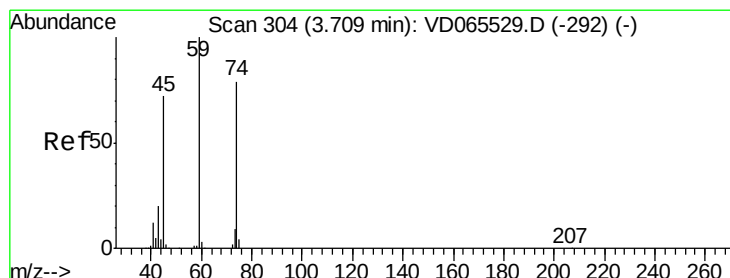
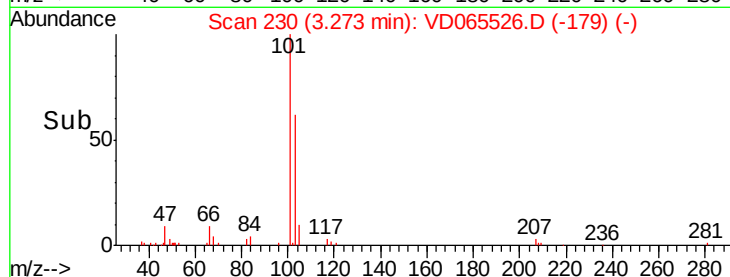
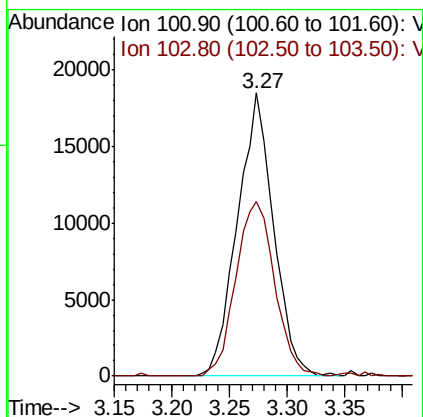
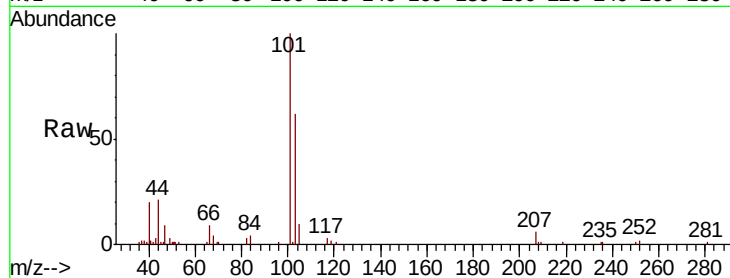


#7

Trichlorofluoromethane
 Concen: 5.568 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

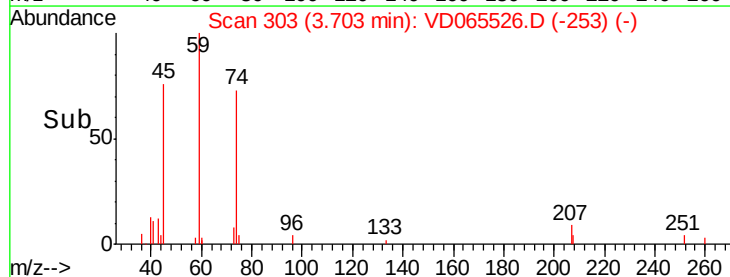
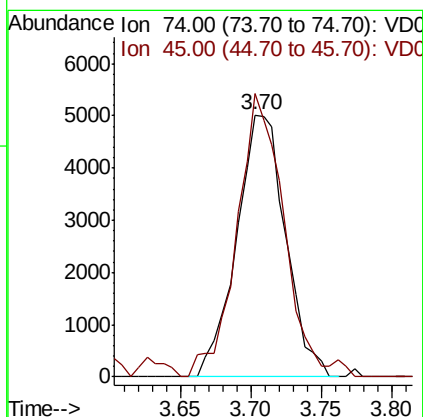
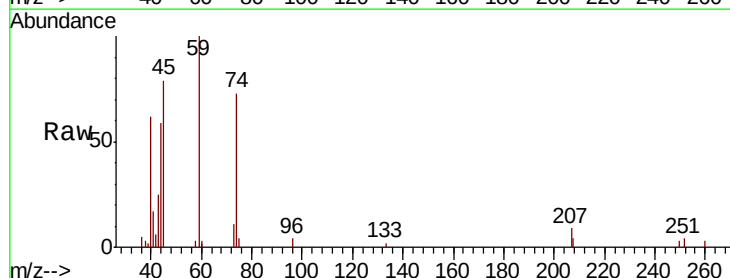
Tot Ion:101 Resp: 40140
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.9 77.9

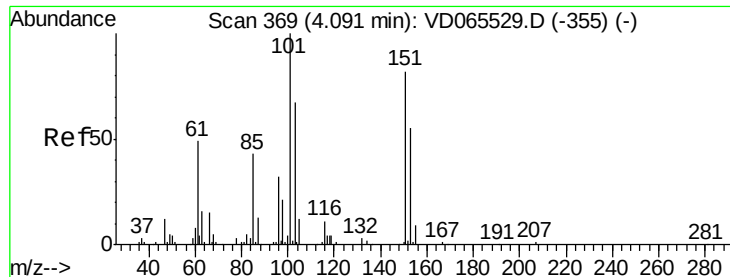


#8

Diethyl Ether
 Concen: 5.611 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 74 Resp: 12182
 Ion Ratio Lower Upper
 74 100
 45 104.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.712 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

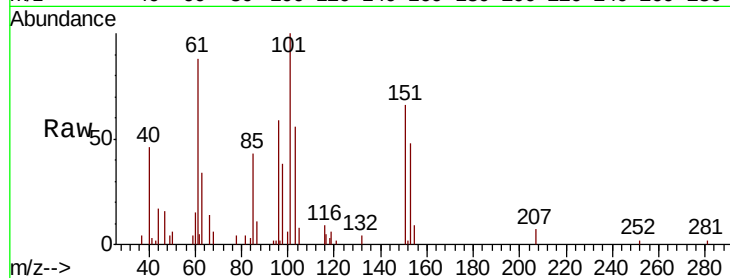
Tot Ion:101 Resp: 26707

Ion Ratio Lower Upper

101 100

85 42.7 32.6 48.8

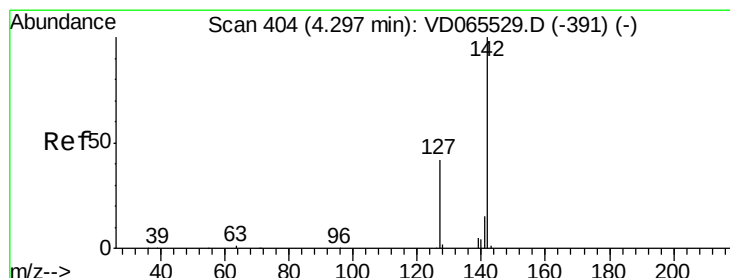
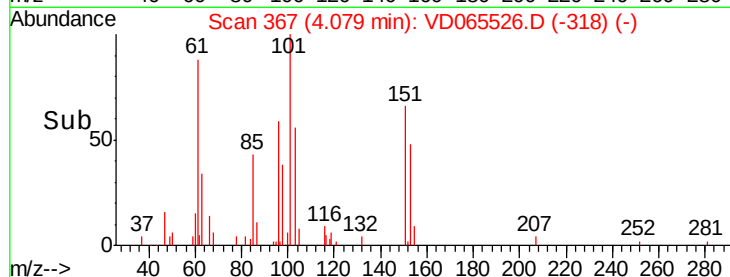
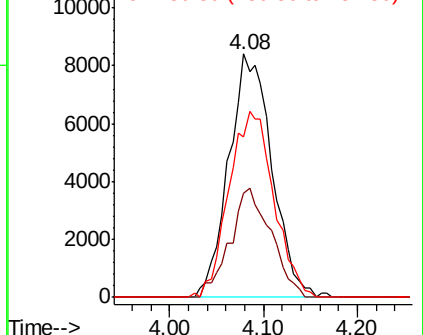
151 79.5 65.5 98.3



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: 5.062 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

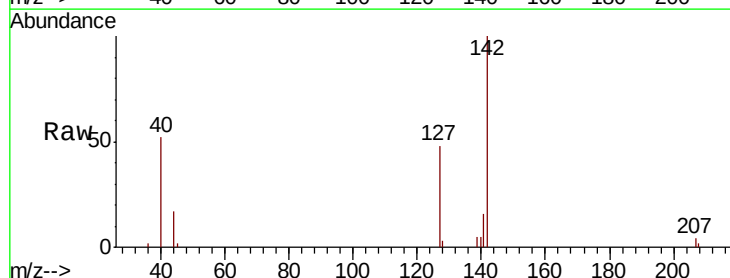
Tgt Ion:142 Resp: 24873

Ion Ratio Lower Upper

142 100

127 45.9 33.9 50.9

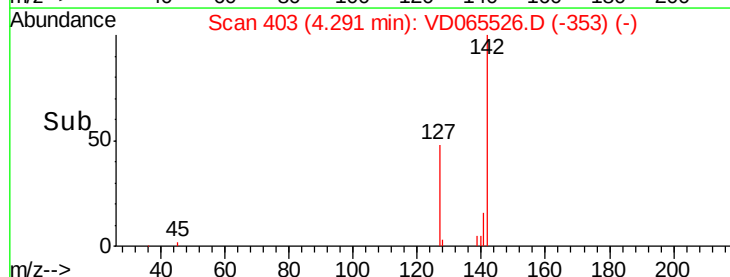
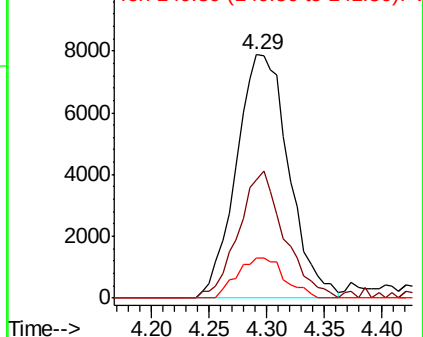
141 14.9 11.6 17.4

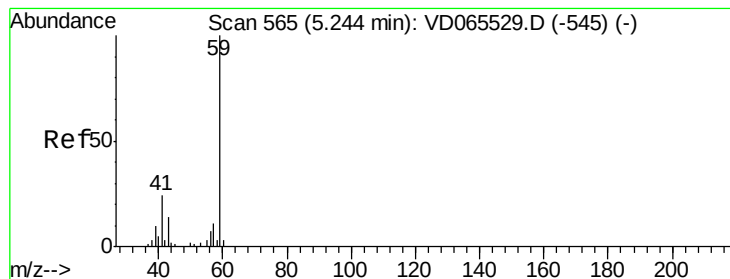


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



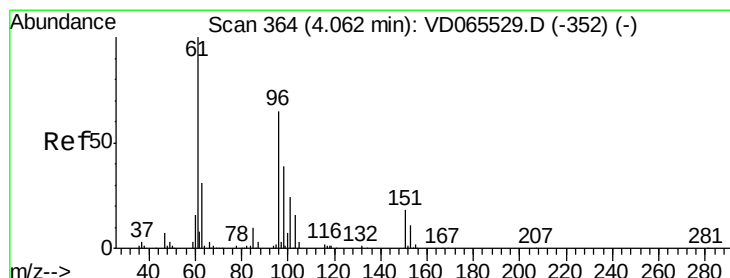
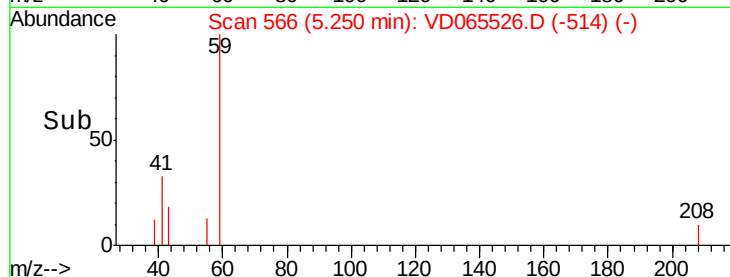
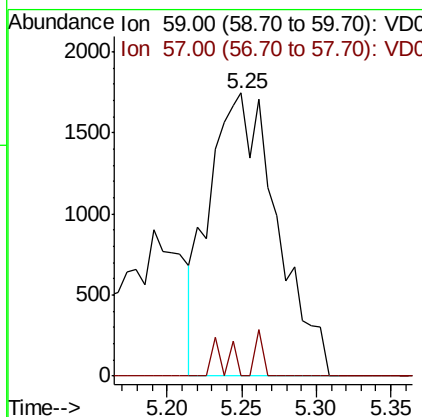
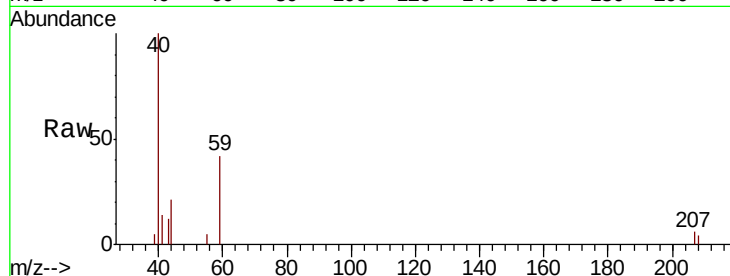


#11

Tert butyl alcohol
 Concen: 23.038 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

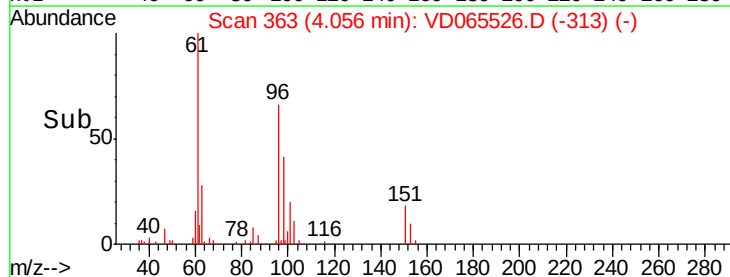
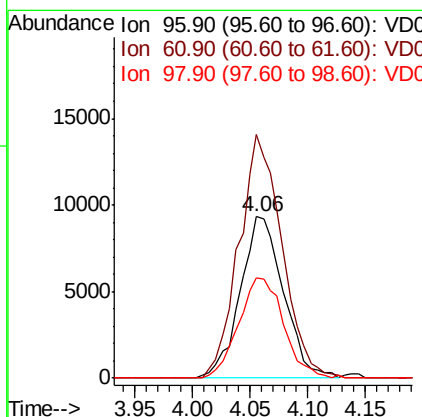
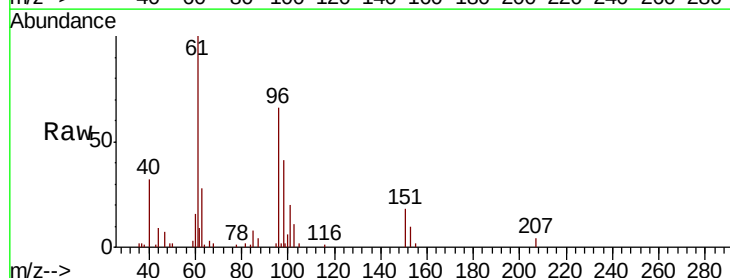
Tot Ion: 59 Resp: 5499
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

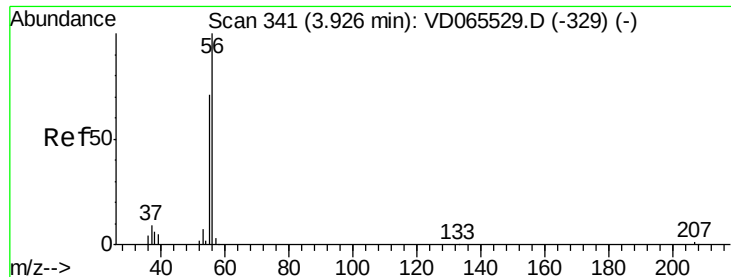


#12

1,1-Dichloroethene
 Concen: 5.447 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 96 Resp: 24313
 Ion Ratio Lower Upper
 96 100
 61 150.9 124.0 186.0
 98 62.4 48.2 72.4





#13

Acrolein

Concen: 23.300 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

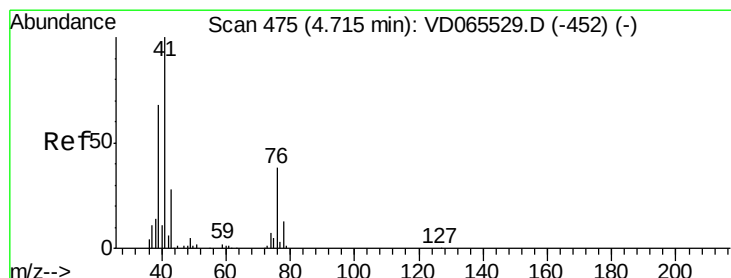
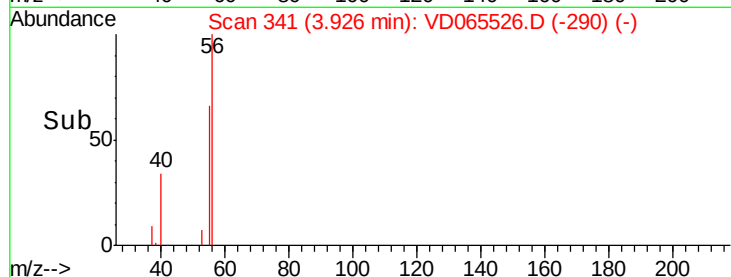
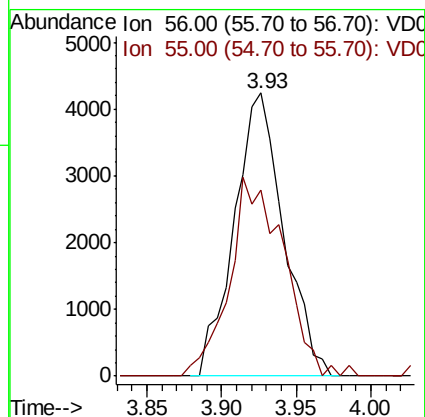
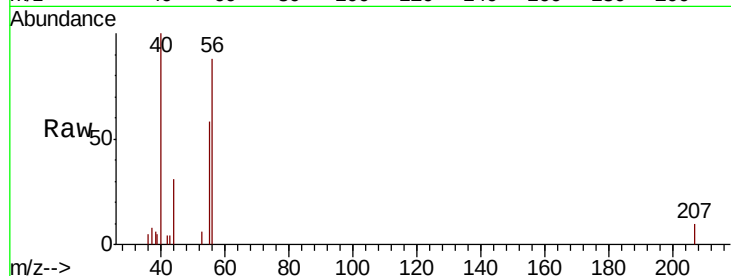
VSTDIC005

Tot Ion: 56 Resp: 9749

Ion Ratio Lower Upper

56 100

55 77.1 56.2 84.2



#14

Allyl chloride

Concen: 5.076 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

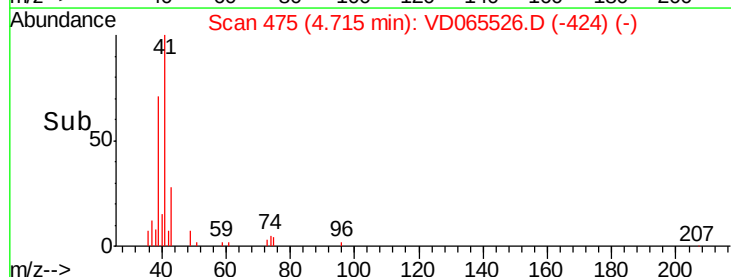
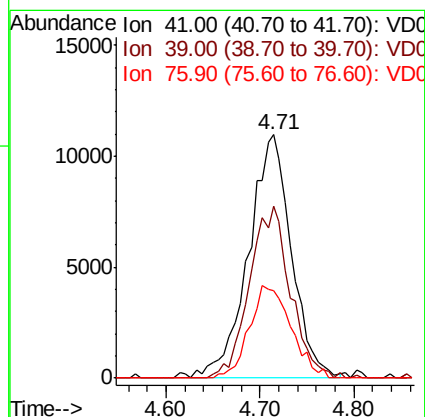
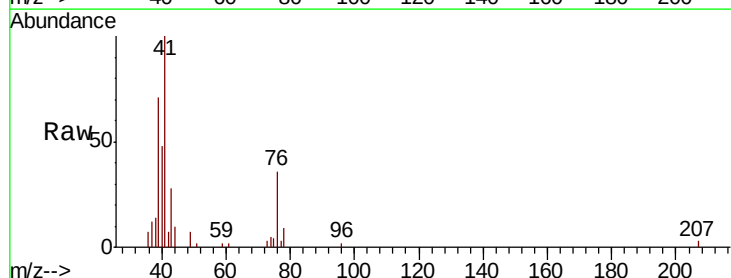
Tgt Ion: 41 Resp: 34697

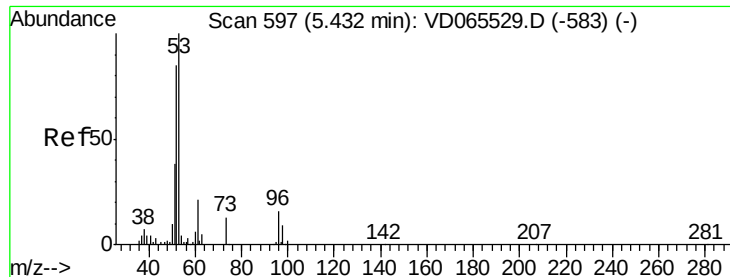
Ion Ratio Lower Upper

41 100

39 67.2 52.9 79.3

76 36.9 28.9 43.3





#15

Acrylonitrile

Concen: 24.223 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

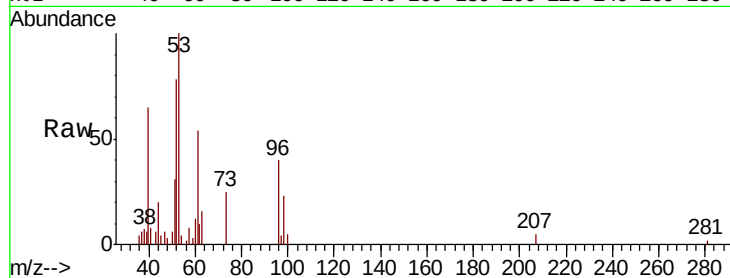
Tot Ion: 53 Resp: 22743

Ion Ratio Lower Upper

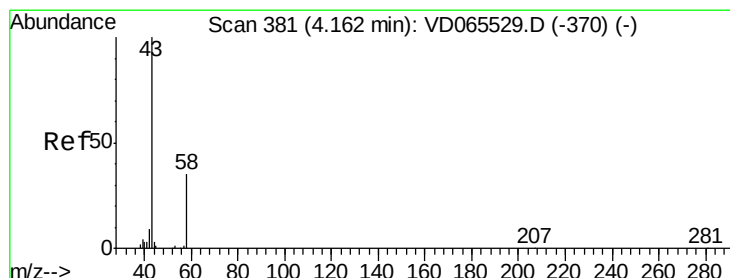
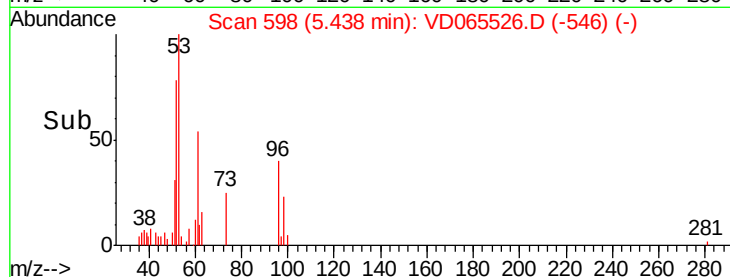
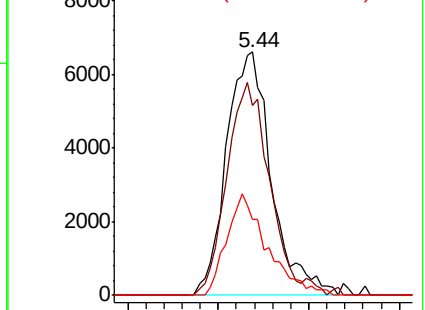
53 100

52 81.6 65.8 98.6

51 37.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 28.011 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065526.D

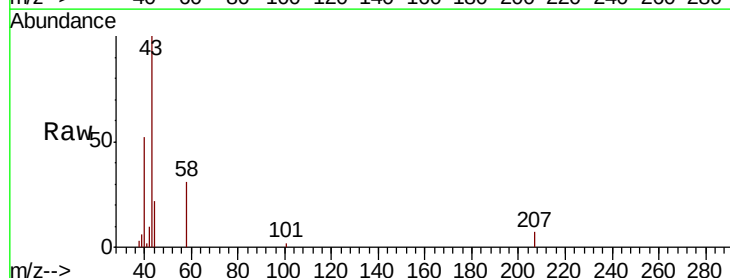
Acq: 26 Mar 2020 15:39

Tgt Ion: 43 Resp: 23420

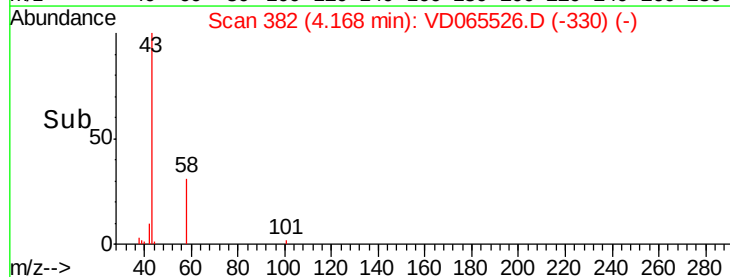
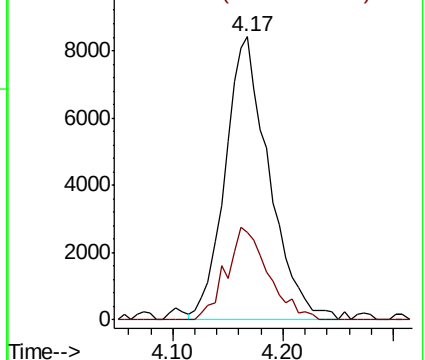
Ion Ratio Lower Upper

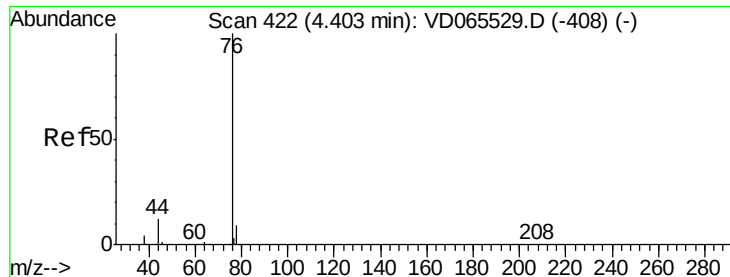
43 100

58 30.8 27.9 41.9



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





#17

Carbon Disulfide

Concen: 5.439 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

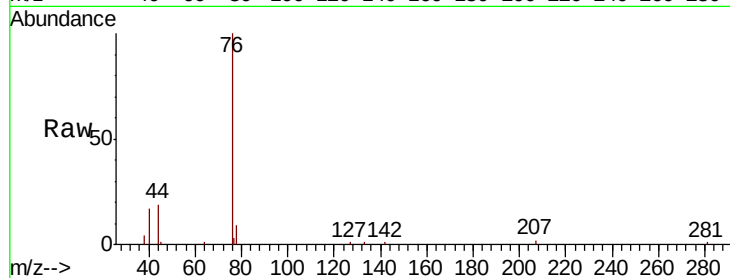
VSTDIC005

Tot Ion: 76 Resp: 80542

Ion Ratio Lower Upper

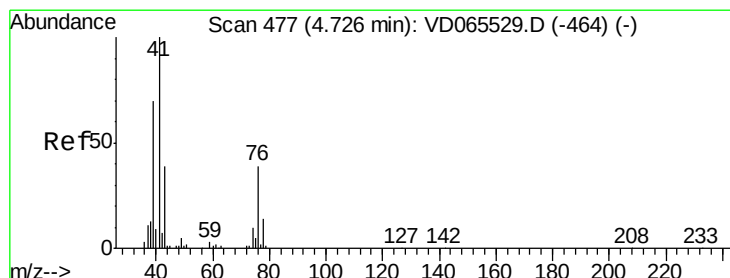
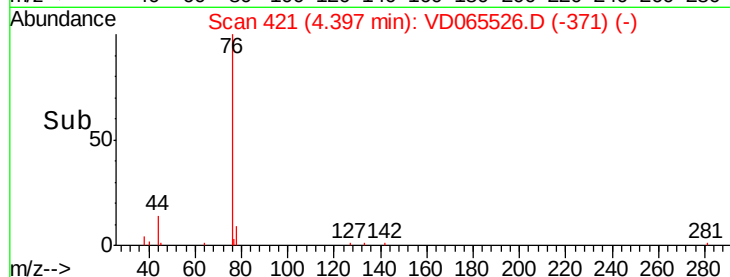
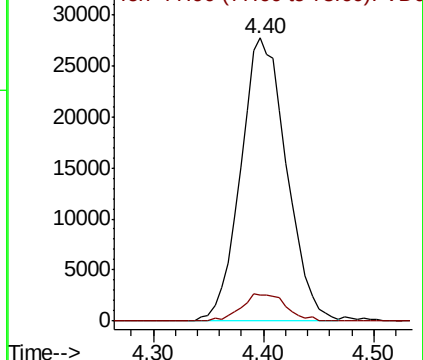
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.463 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065526.D

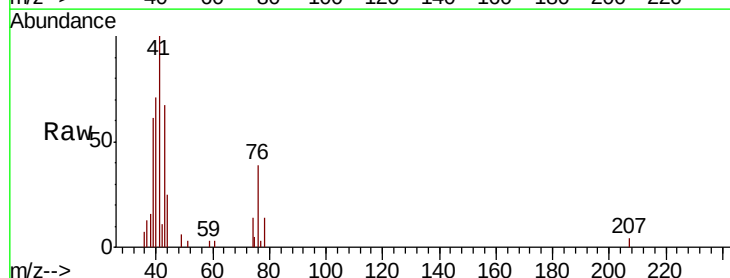
Acq: 26 Mar 2020 15:39

Tgt Ion: 43 Resp: 11623

Ion Ratio Lower Upper

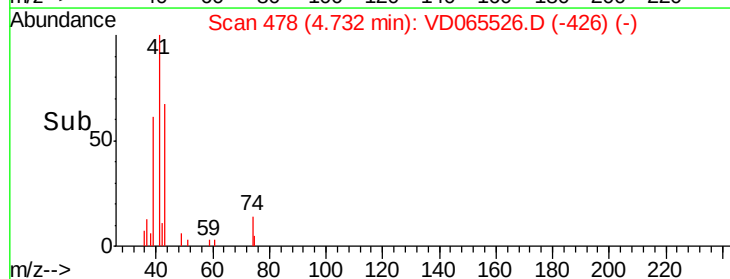
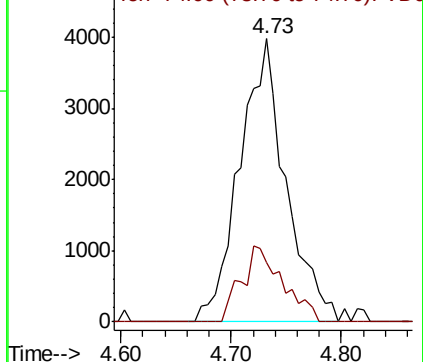
43 100

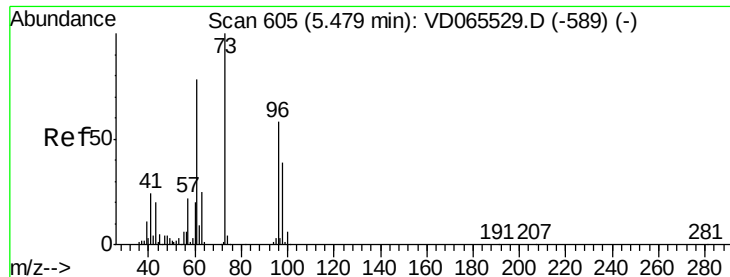
74 24.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



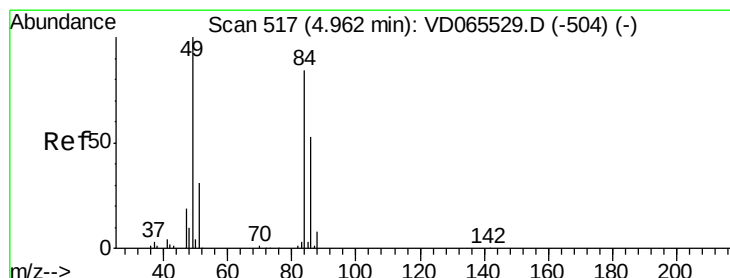
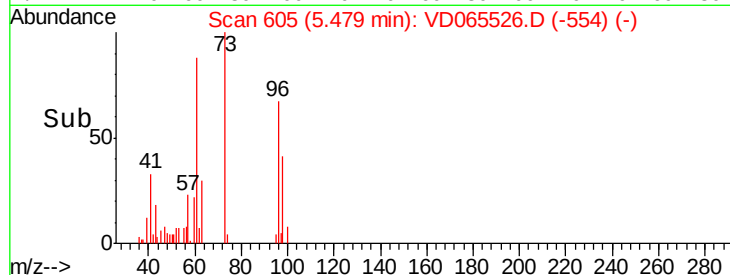
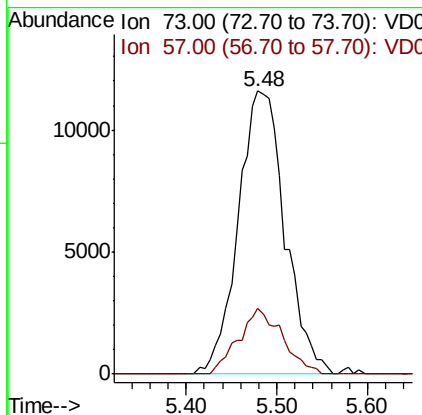
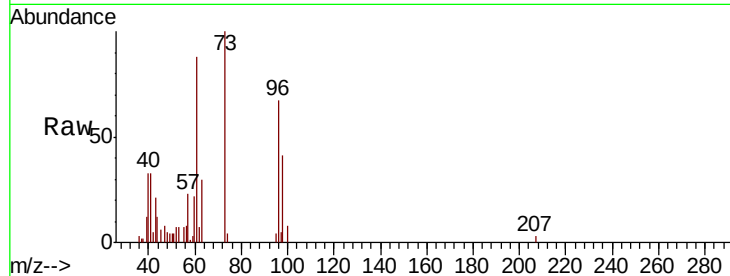


#19

Methyl tert-butyl Ether
 Concen: 4.801 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

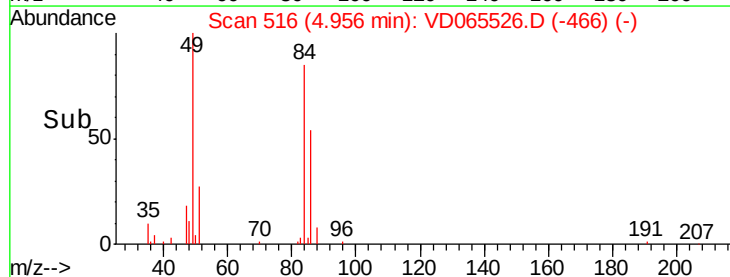
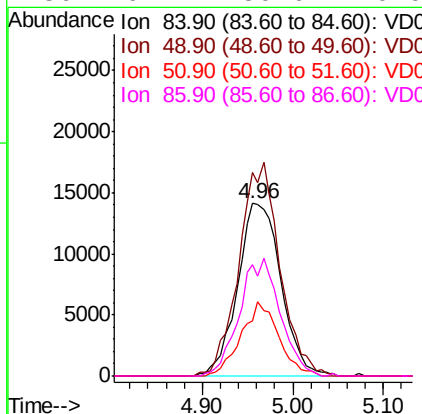
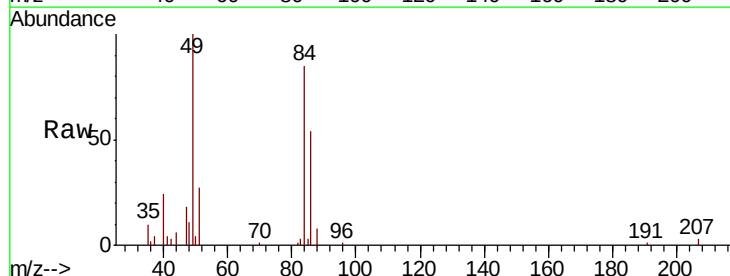
Tot Ion: 73 Resp: 41532
 Ion Ratio Lower Upper
 73 100
 57 23.4 17.7 26.5

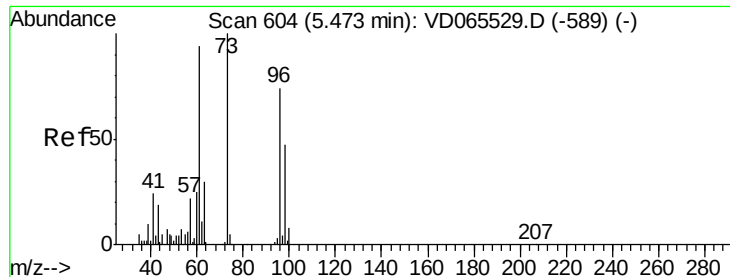


#20

Methylene Chloride
 Concen: 8.998 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 84 Resp: 46899
 Ion Ratio Lower Upper
 84 100
 49 118.2 95.6 143.4
 51 32.2 29.4 44.2
 86 64.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 5.484 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

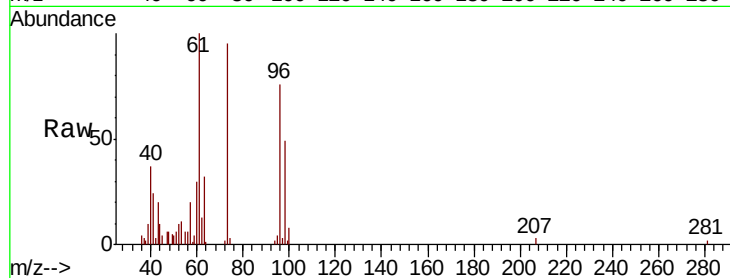
Tot Ion: 96 Resp: 27288

Ion Ratio Lower Upper

96 100

61 131.7 101.8 152.6

98 64.9 51.4 77.2

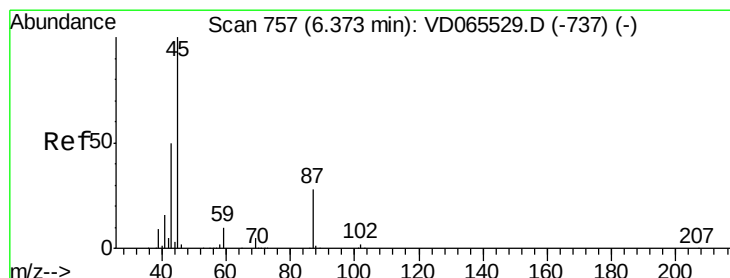
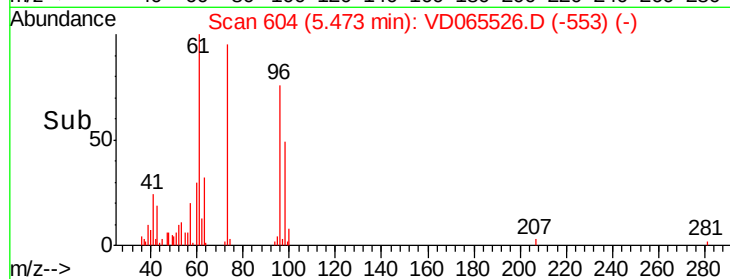
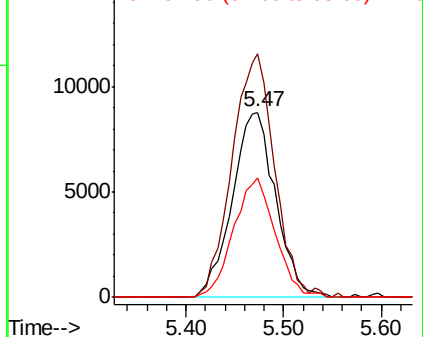


Abundance

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: 4.630 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Tgt Ion: 45 Resp: 59333

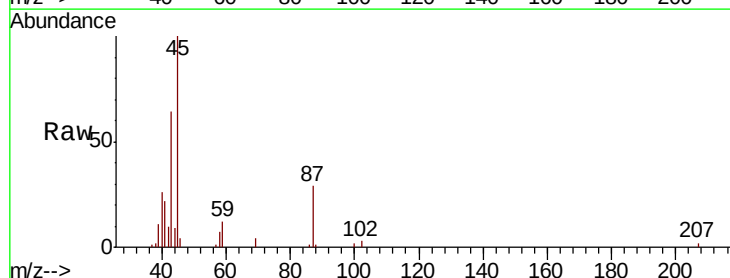
Ion Ratio Lower Upper

45 100

43 63.3 40.5 60.7#

87 29.4 22.5 33.7

59 12.1 8.6 12.8



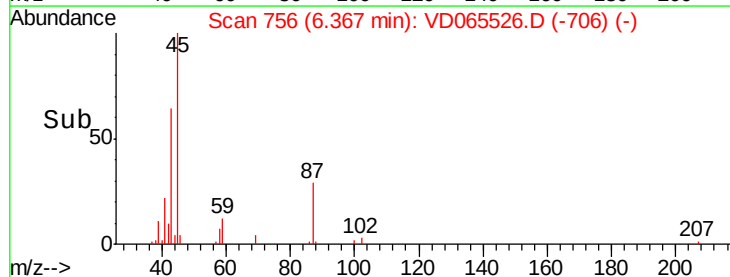
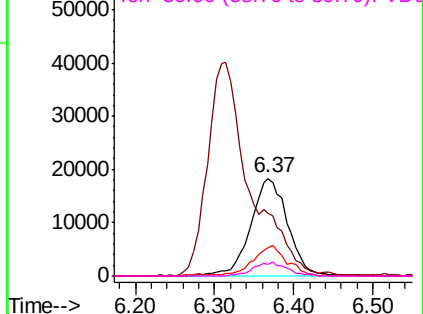
Abundance

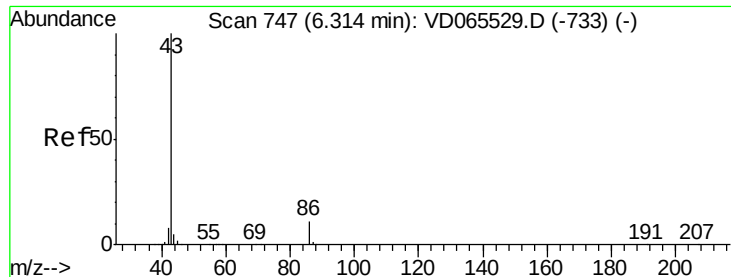
Ion 45.00 (44.70 to 45.70): VDC

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: 21.030 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

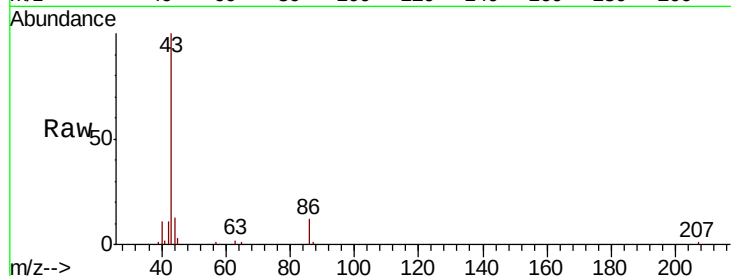
VSTDIC005

Tot Ion: 43 Resp: 149389

Ion Ratio Lower Upper

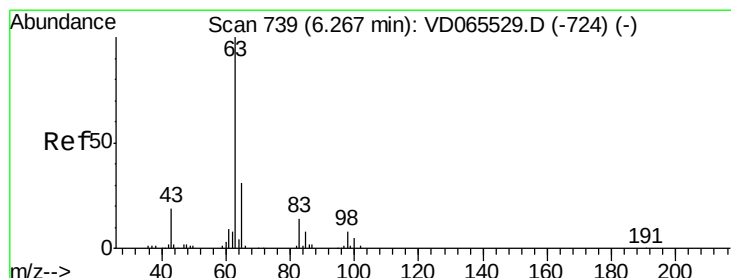
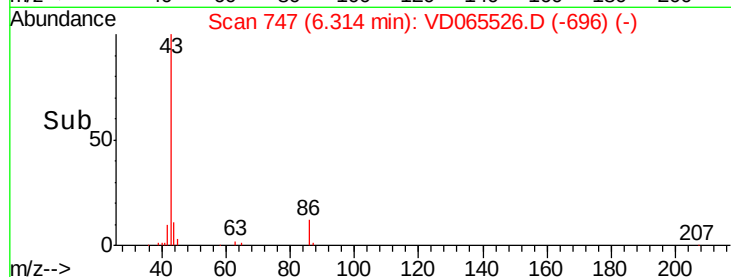
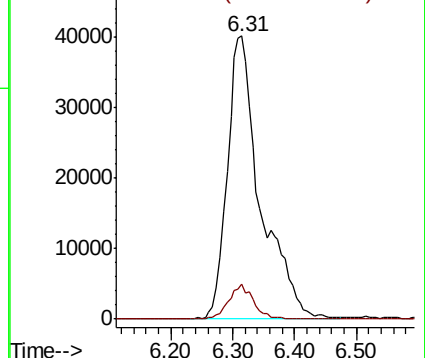
43 100

86 12.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.278 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

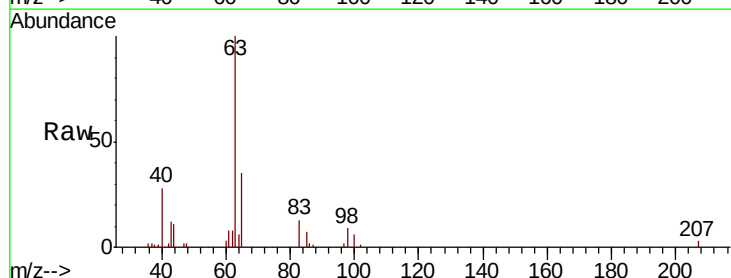
Tgt Ion: 63 Resp: 43214

Ion Ratio Lower Upper

63 100

98 8.7 4.2 12.6

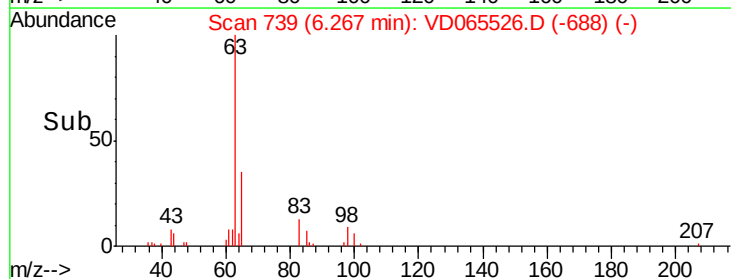
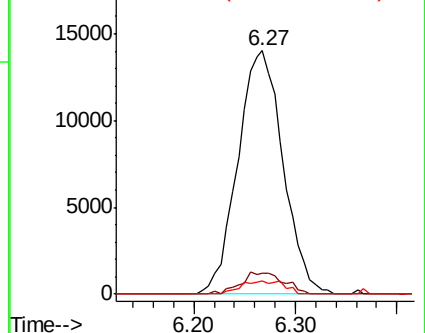
100 5.6 2.5 7.4

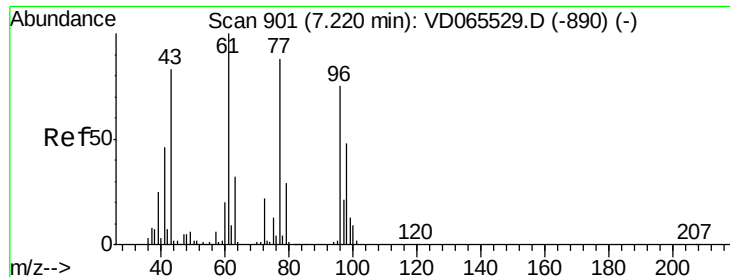


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 23.543 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

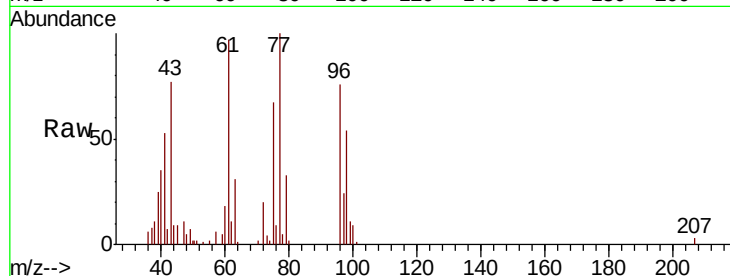
VSTDIC005

Tot Ion: 43 Resp: 26859

Ion Ratio Lower Upper

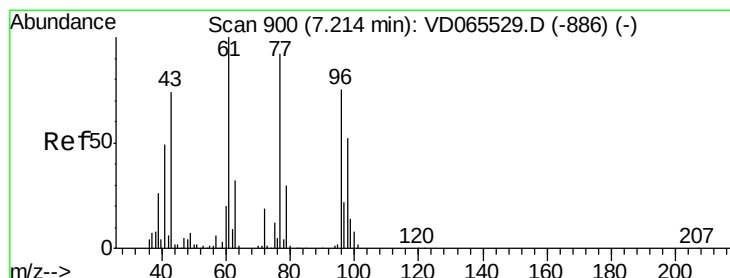
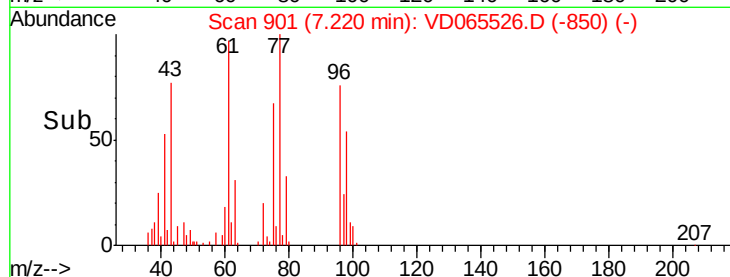
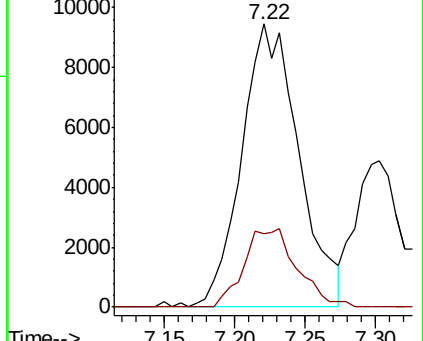
43 100

72 26.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.536 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065526.D

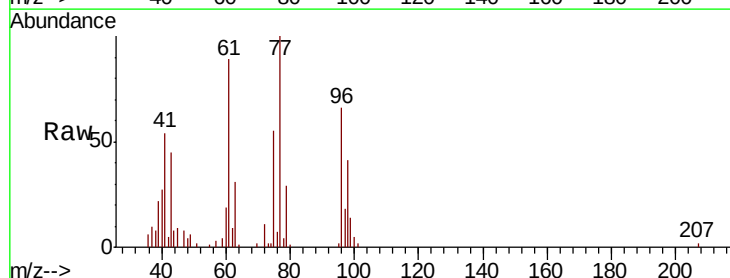
Acq: 26 Mar 2020 15:39

Tgt Ion: 77 Resp: 39840

Ion Ratio Lower Upper

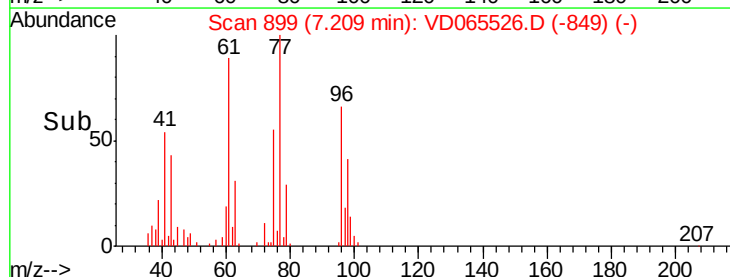
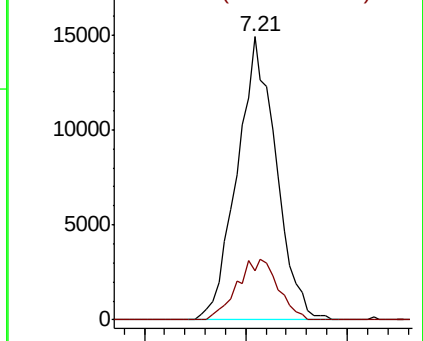
77 100

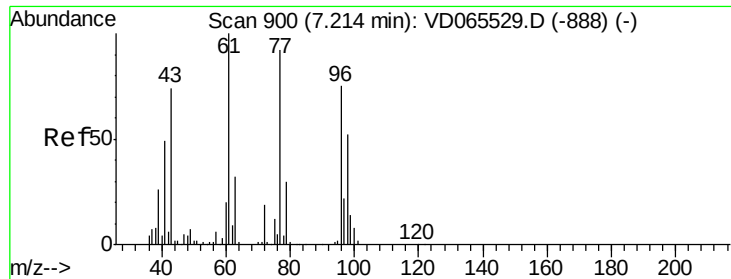
97 22.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

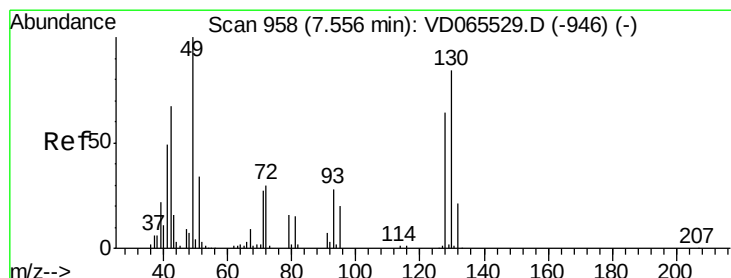
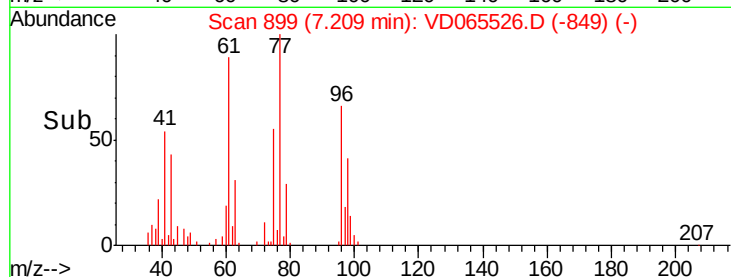
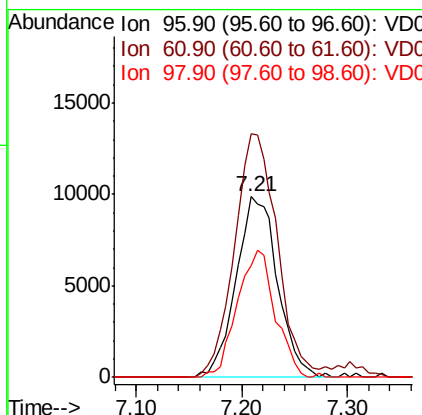
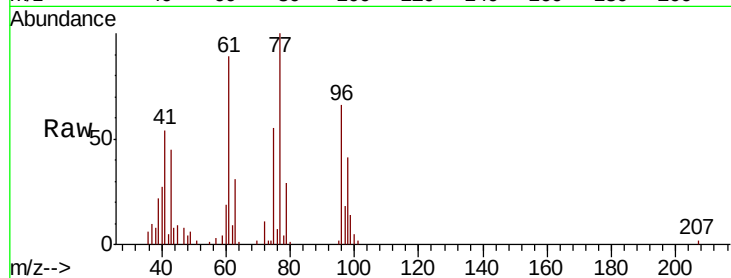




#27
 cis-1,2-Dichloroethene
 Concen: 5.281 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

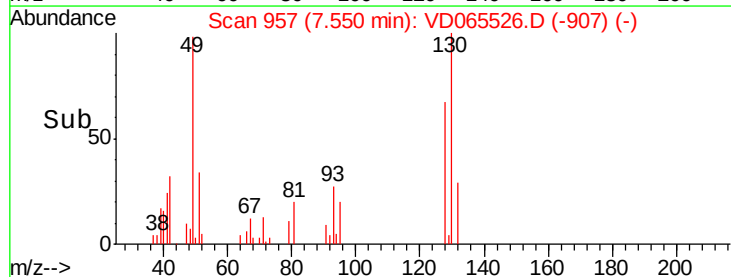
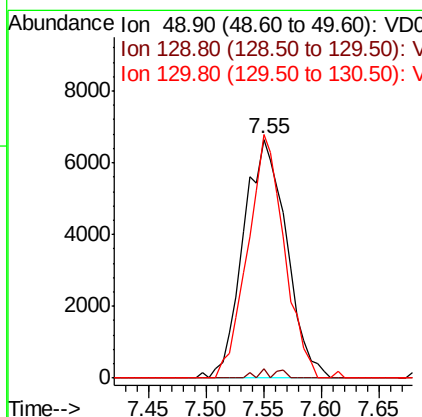
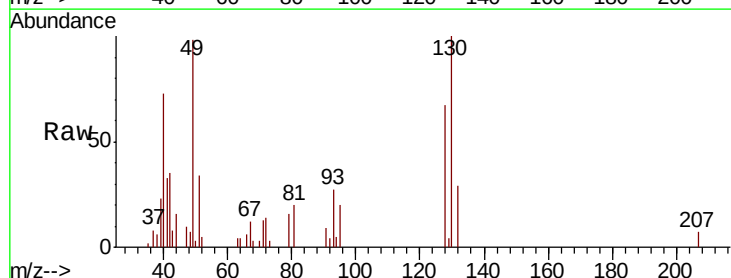
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

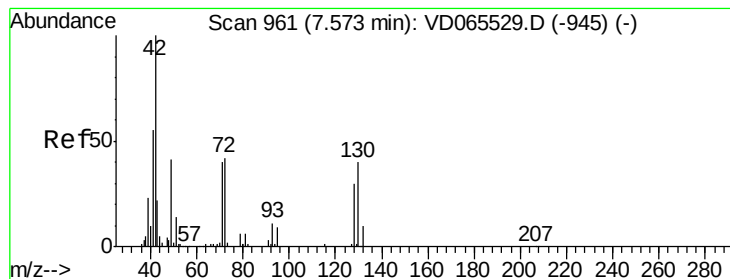
Tot Ion: 96 Resp: 26907
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 278.0
 98 64.3 0.0 129.6



#28
 Bromochloromethane
 Concen: 5.225 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 49 Resp: 17301
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.4
 130 86.2 69.7 104.5





#29

Tetrahydrofuran

Concen: 21.626 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

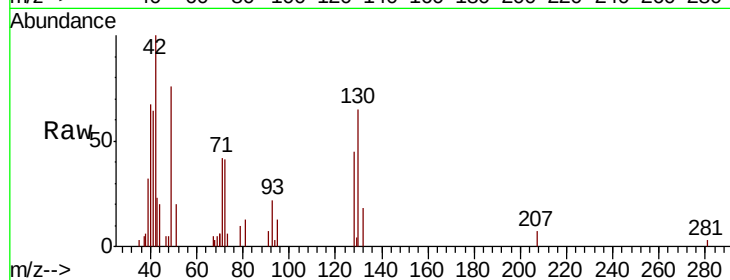
Tot Ion: 42 Resp: 15752

Ion Ratio Lower Upper

42 100

72 41.0 35.0 52.6

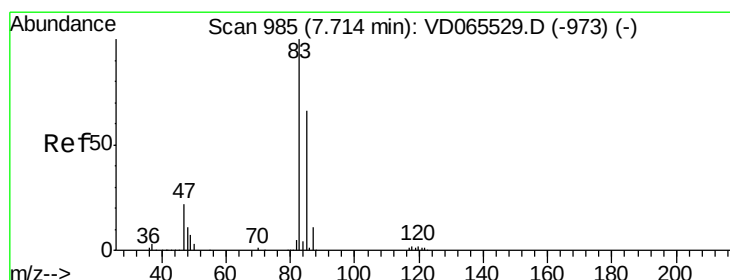
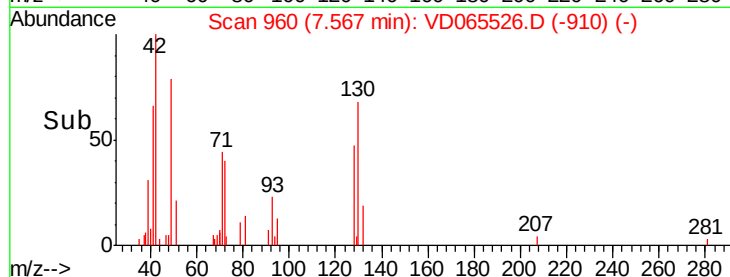
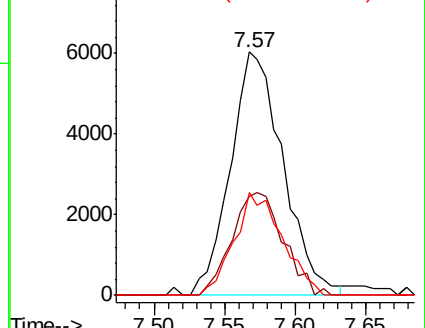
71 38.6 33.0 49.6



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: 5.602 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065526.D

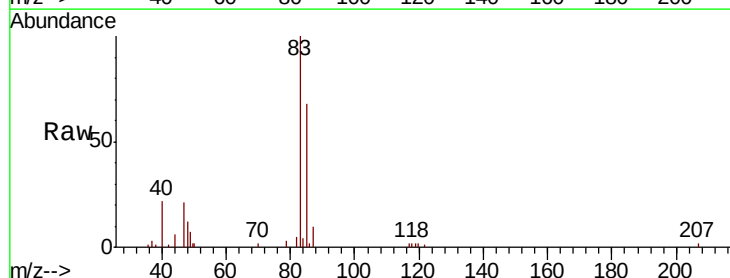
Acq: 26 Mar 2020 15:39

Tgt Ion: 83 Resp: 46043

Ion Ratio Lower Upper

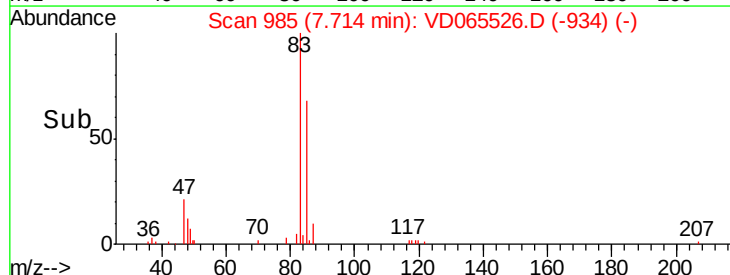
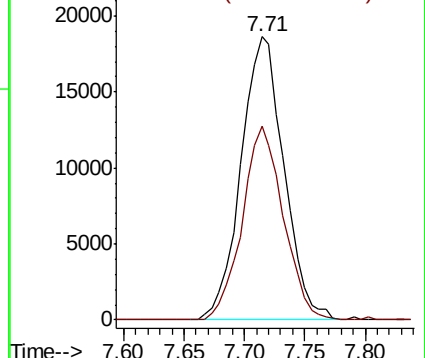
83 100

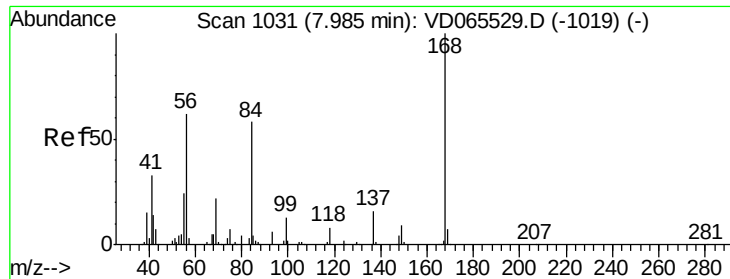
85 68.4 52.9 79.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

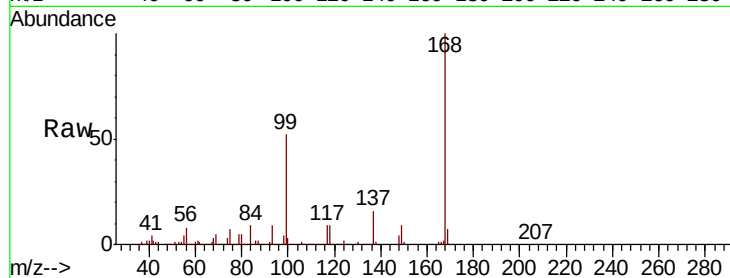




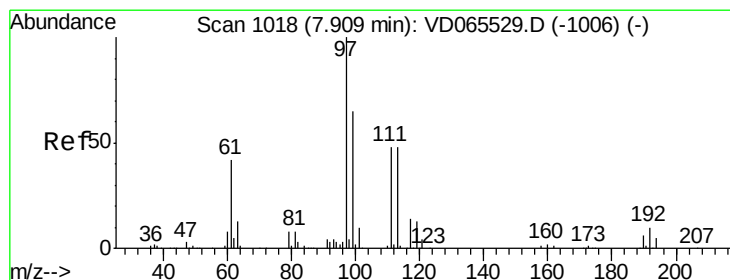
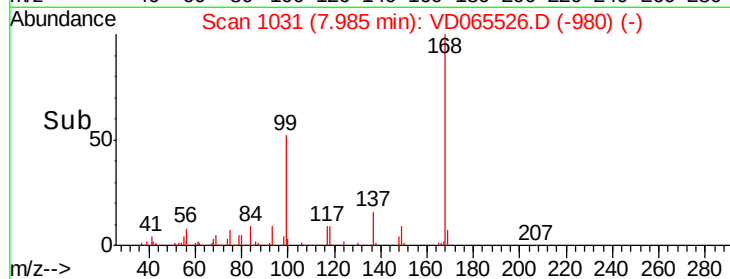
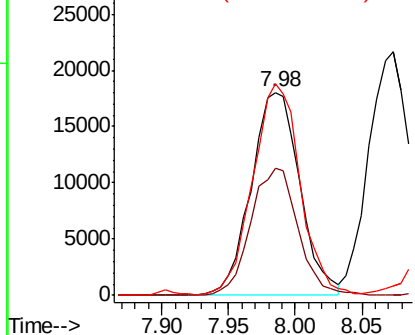
#31
Cyclohexane
Concen: 5.597 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 45641
Ion Ratio Lower Upper
56 100
69 62.9 28.2 42.4#
84 103.5 73.4 110.0

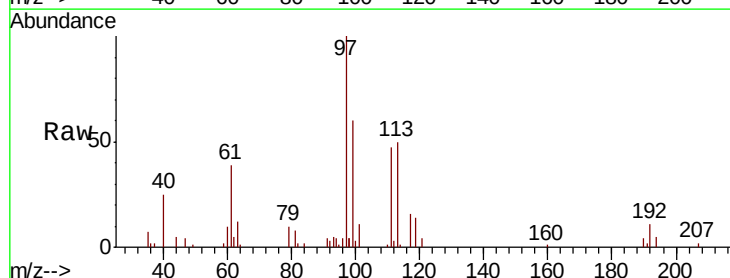


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

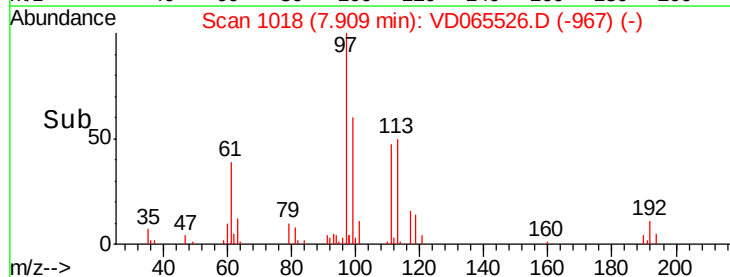
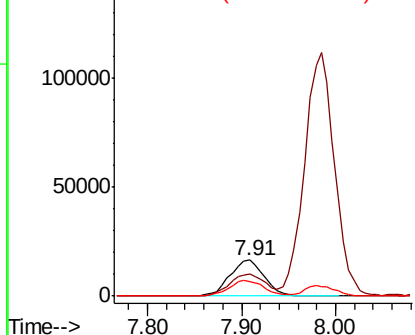


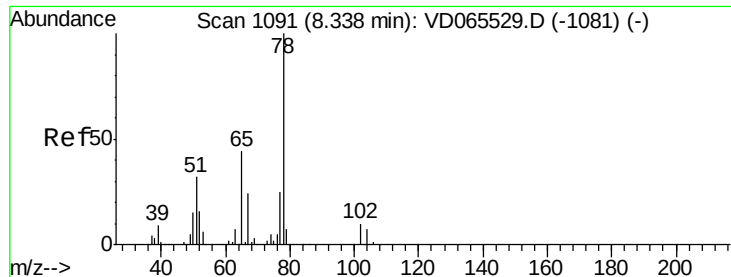
#32
1,1,1-Trichloroethane
Concen: 5.581 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion: 97 Resp: 42324
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 41.3 33.4 50.2



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

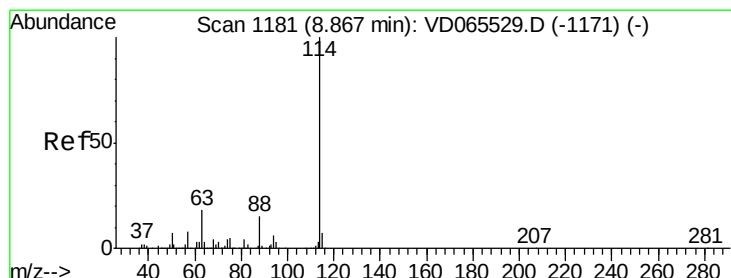
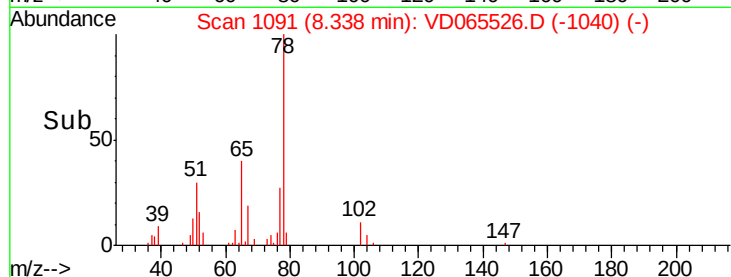
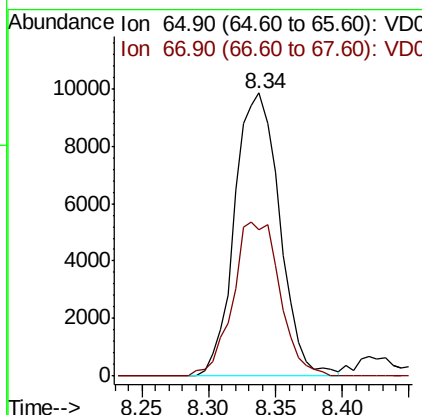
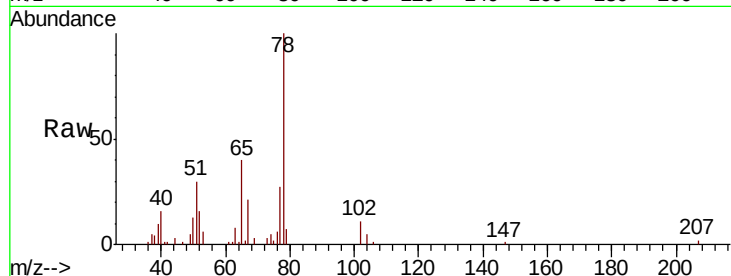




#33
 1,2-Dichloroethane-d4
 Concen: 5.523 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

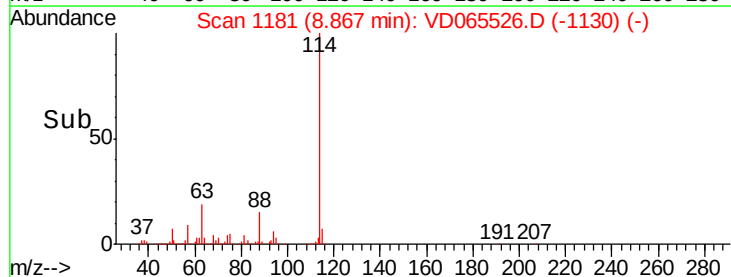
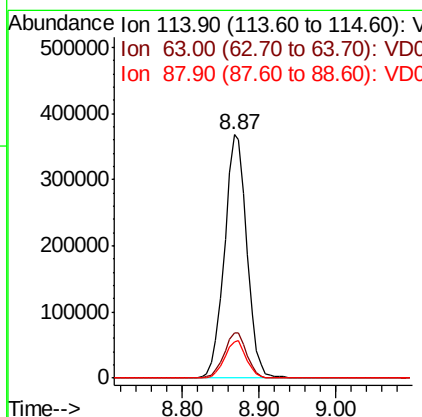
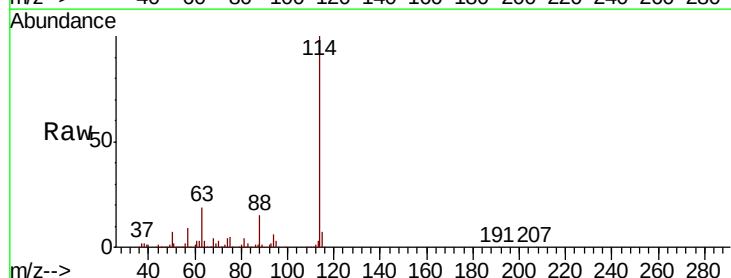
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

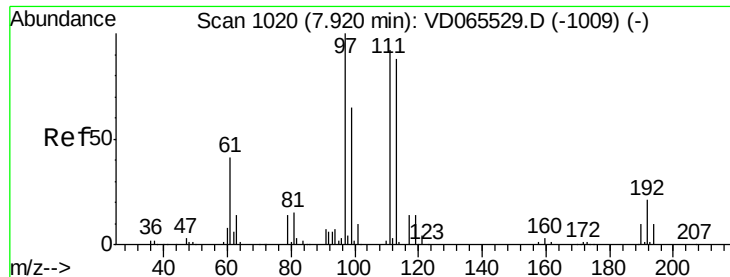
Tot Ion: 65 Resp: 22976
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 114 Resp: 744664
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 14.7 0.0 30.4

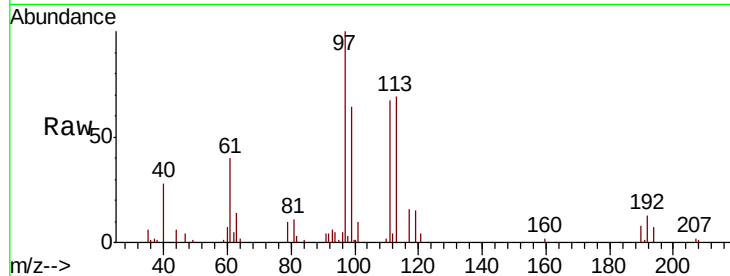




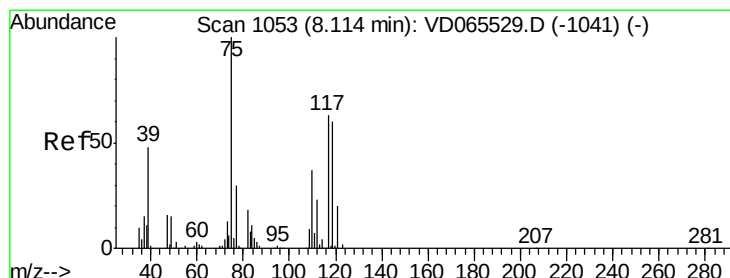
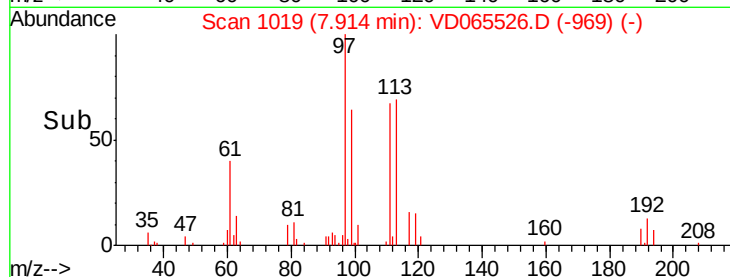
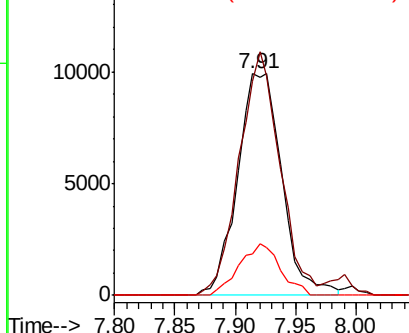
#35
 Dibromofluoromethane
 Concen: 5.556 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 25445
 Ion Ratio Lower Upper
 113 100
 111 100.6 83.3 124.9
 192 21.5 18.5 27.7

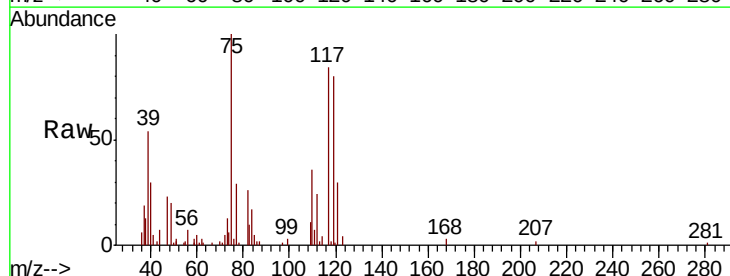


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

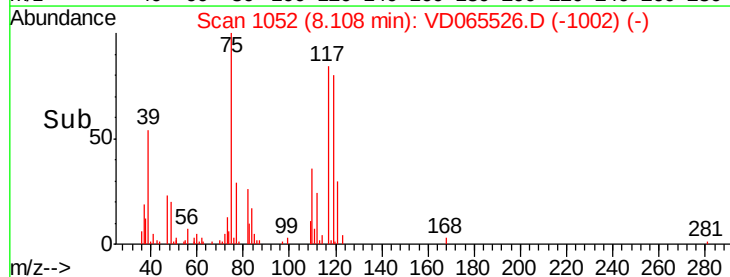
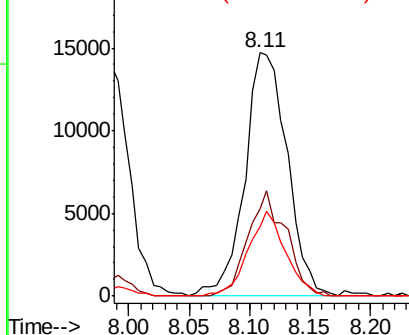


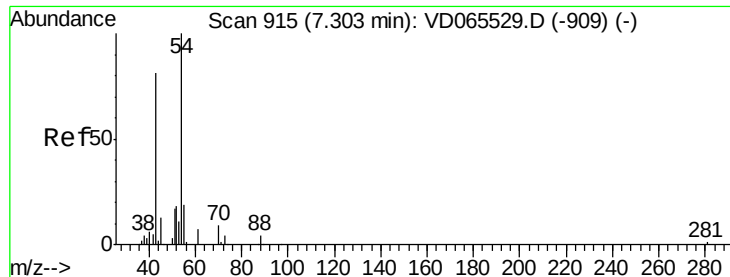
#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 75 Resp: 35857
 Ion Ratio Lower Upper
 75 100
 110 38.6 18.8 56.4
 77 30.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

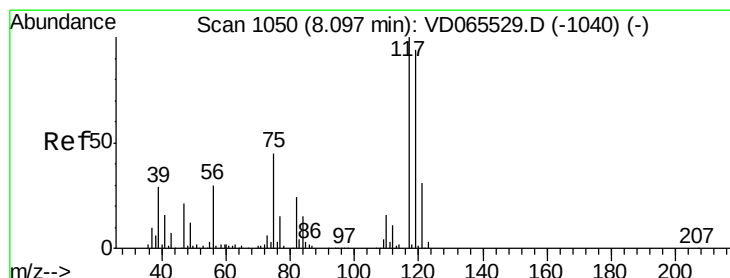
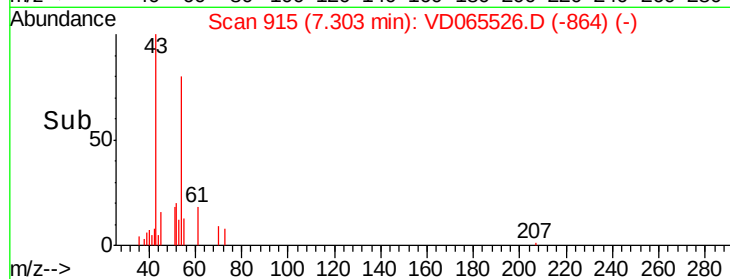
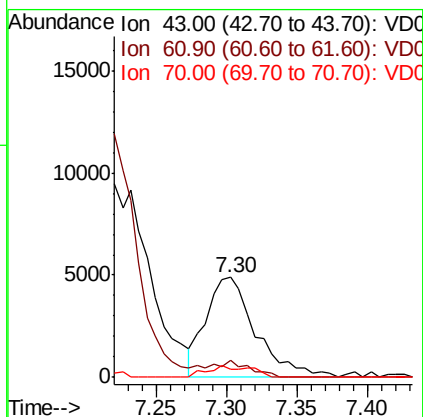
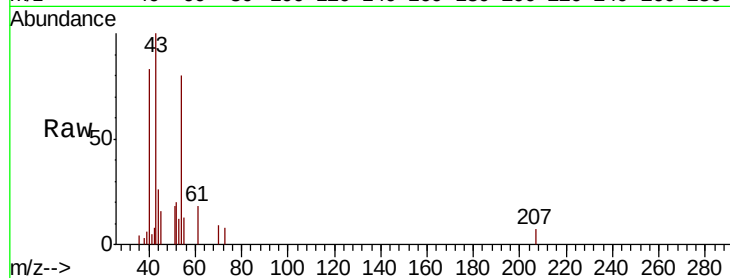




#37
Ethyl Acetate
Concen: 4.402 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

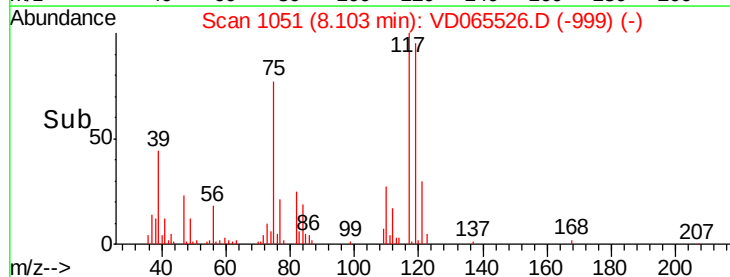
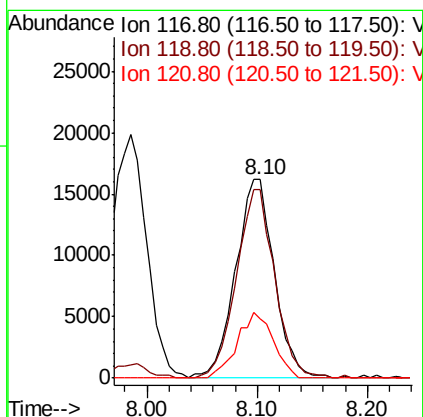
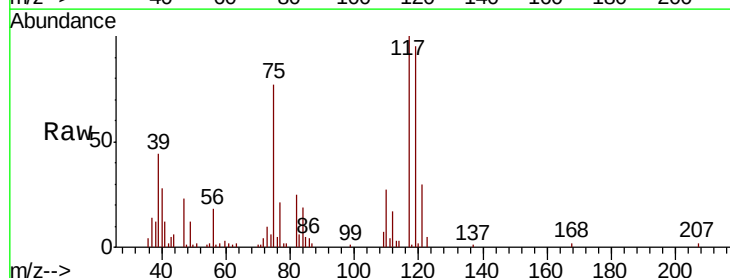
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

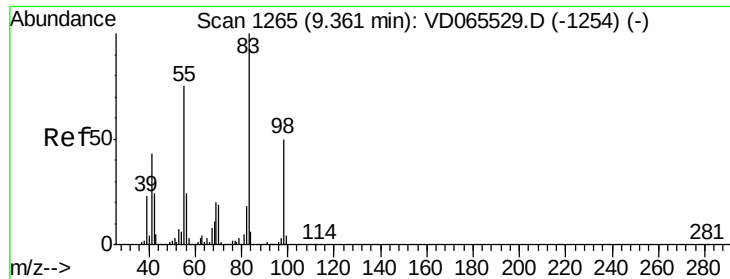
Tot Ion: 43 Resp: 12039
Ion Ratio Lower Upper
43 100
61 11.2 12.2 18.4#
70 6.8 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion: 117 Resp: 39775
Ion Ratio Lower Upper
117 100
119 94.6 75.2 112.8
121 29.9 24.5 36.7

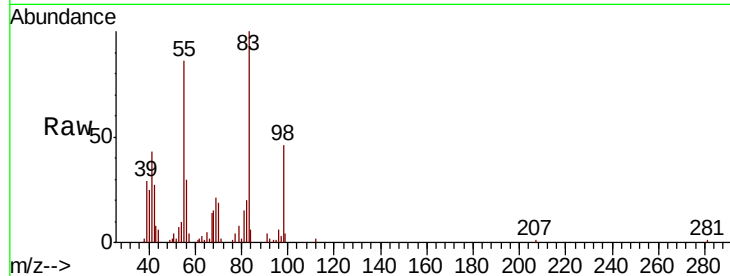




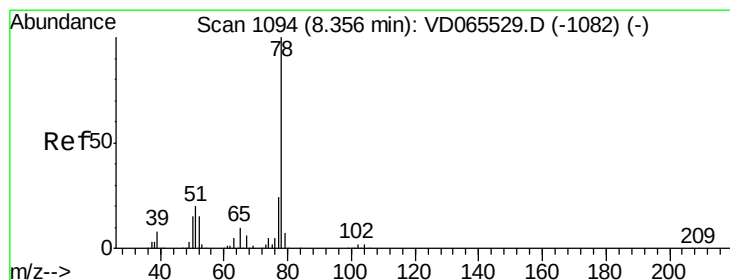
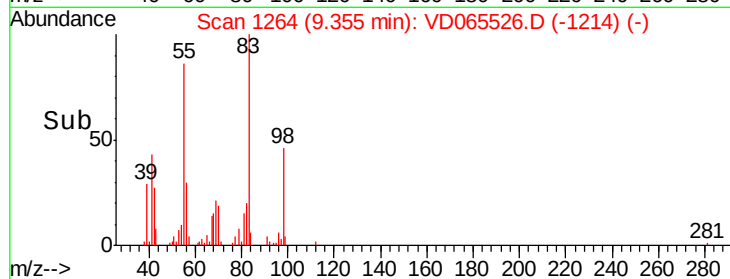
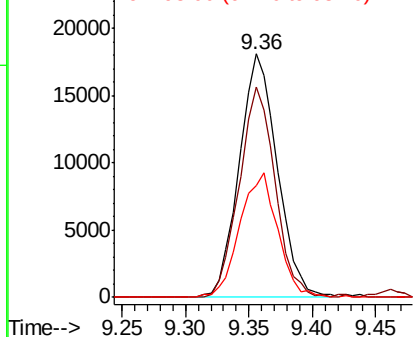
#39
Methylvlcyclohexane
Concen: 4.468 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 37780
Ion Ratio Lower Upper
83 100
55 86.3 59.7 89.5
98 45.7 40.2 60.2

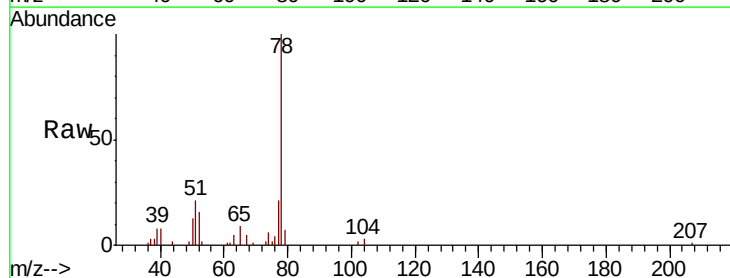


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

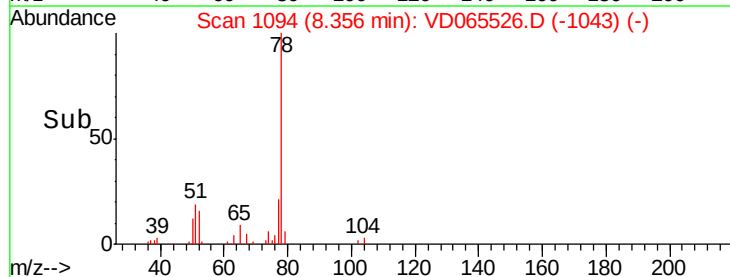
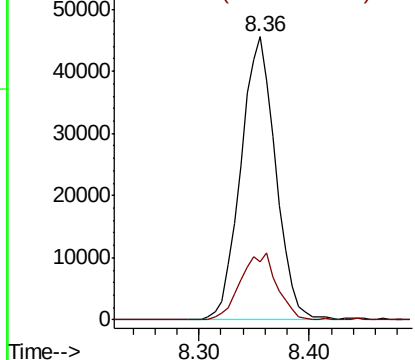


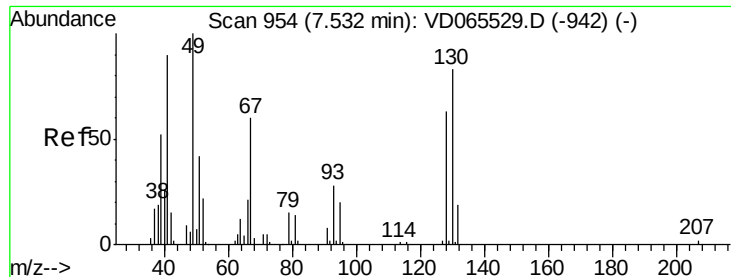
#40
Benzene
Concen: 5.136 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion: 78 Resp: 101191
Ion Ratio Lower Upper
78 100
77 20.6 19.1 28.7



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





#41

Methacrylonitrile

Concen: 5.001 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 7408

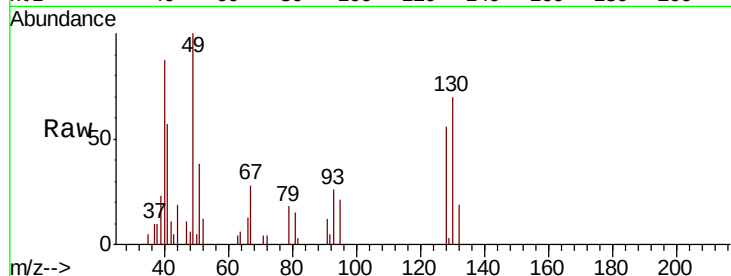
Ion Ratio Lower Upper

41 100

39 40.2 42.9 64.3#

67 67.3 60.5 90.7

52 29.6 24.5 36.7

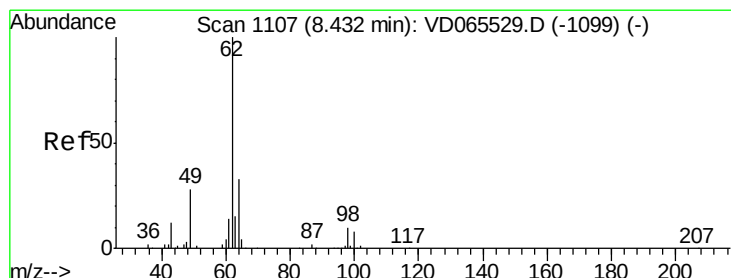
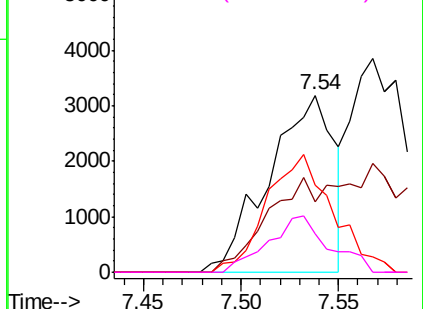
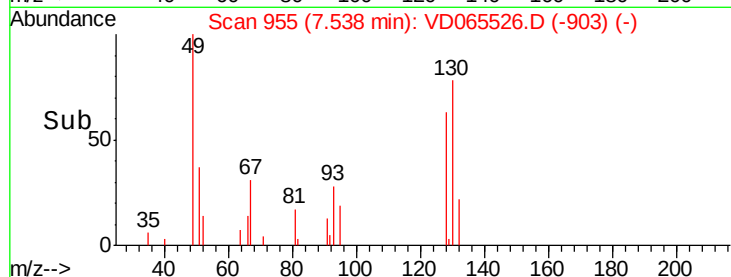


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 5.222 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065526.D

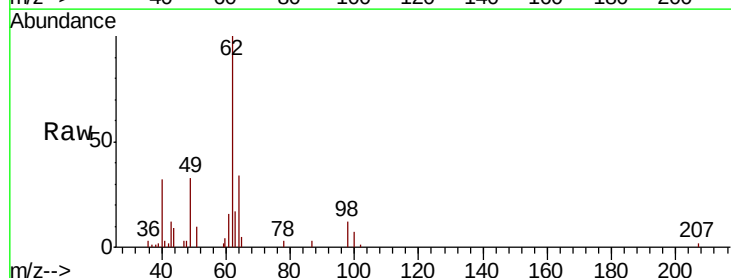
Acq: 26 Mar 2020 15:39

Tgt Ion: 62 Resp: 27040

Ion Ratio Lower Upper

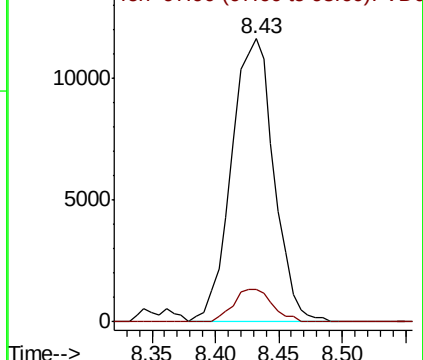
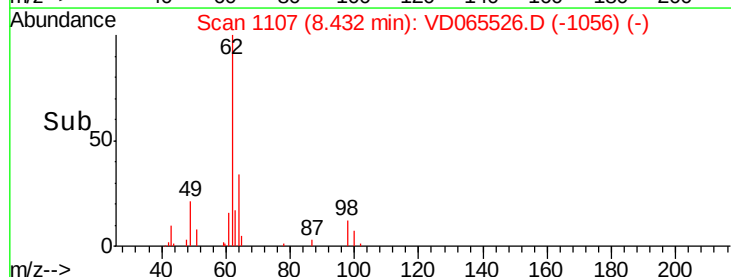
62 100

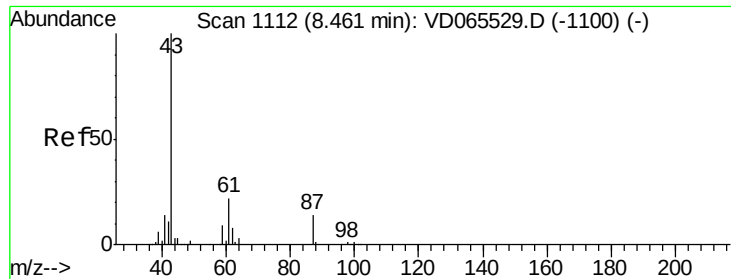
98 10.6 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.378 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

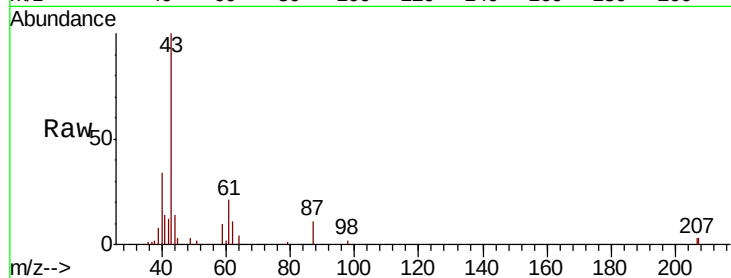
Tot Ion: 43 Resp: 22044

Ion Ratio Lower Upper

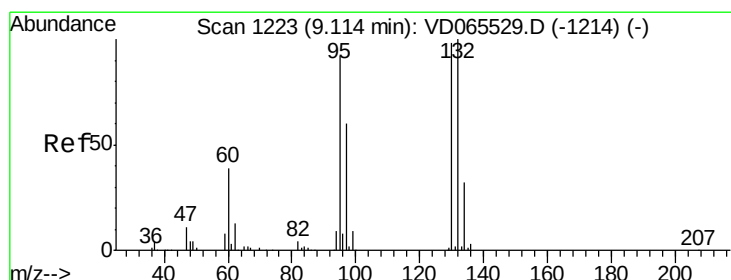
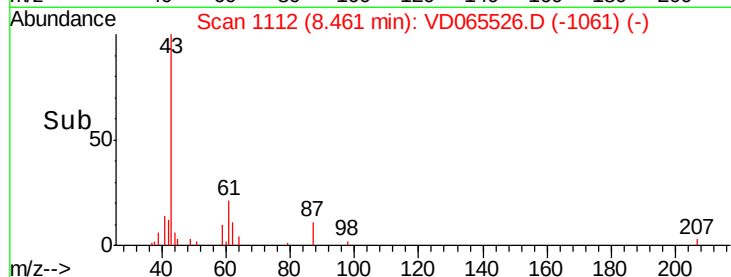
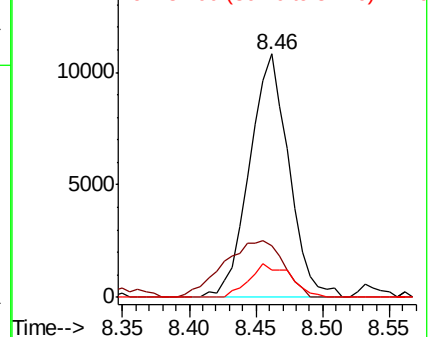
43 100

61 35.6 25.0 37.4

87 14.6 11.0 16.4



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: 5.496 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065526.D

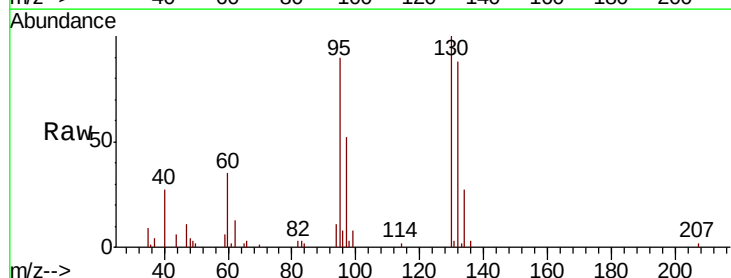
Acq: 26 Mar 2020 15:39

Tgt Ion:130 Resp: 30658

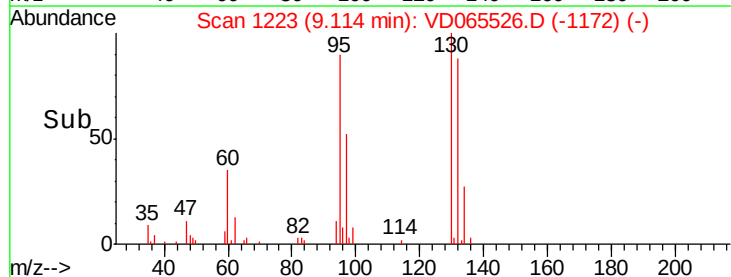
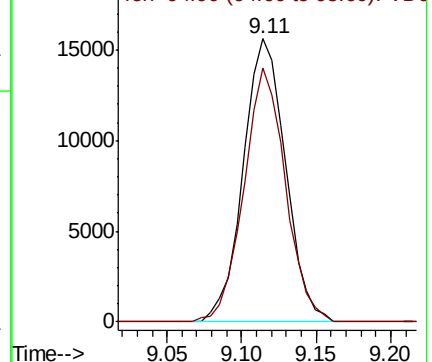
Ion Ratio Lower Upper

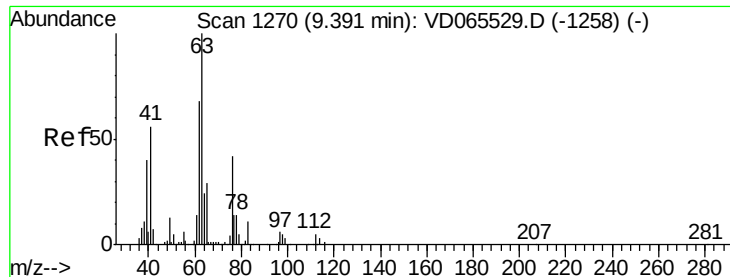
130 100

95 89.6 0.0 187.0



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





#45

1,2-Dichloropropane

Concen: 4.981 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

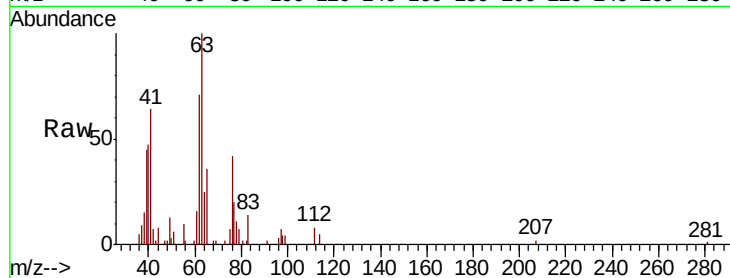
VSTDIC005

Tot Ion: 63 Resp: 23817

Ion Ratio Lower Upper

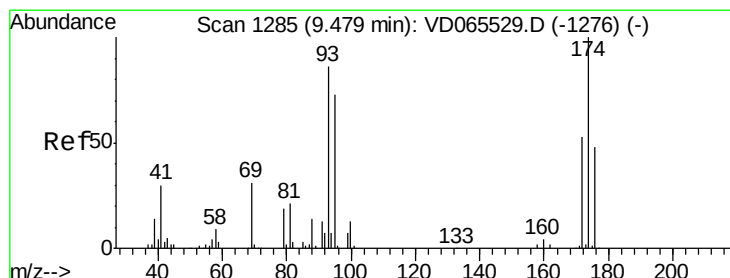
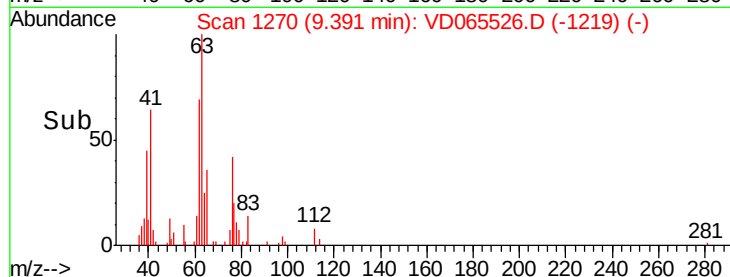
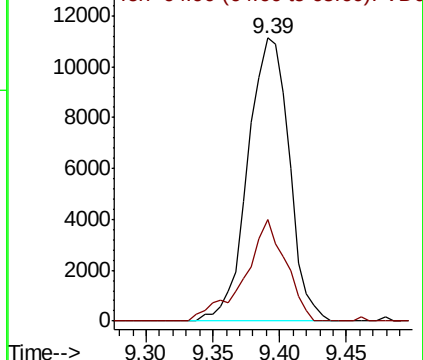
63 100

65 35.8 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.009 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

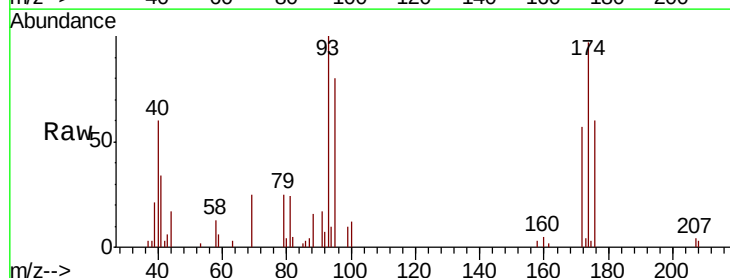
Tgt Ion: 93 Resp: 12441

Ion Ratio Lower Upper

93 100

95 86.8 67.3 100.9

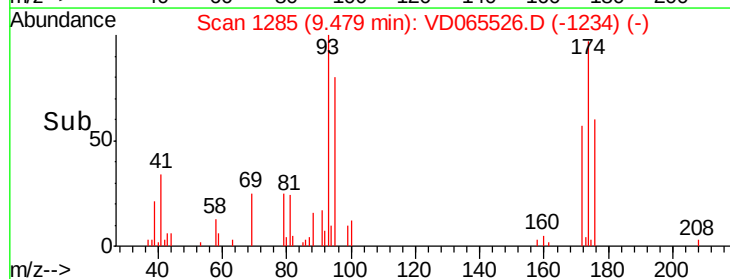
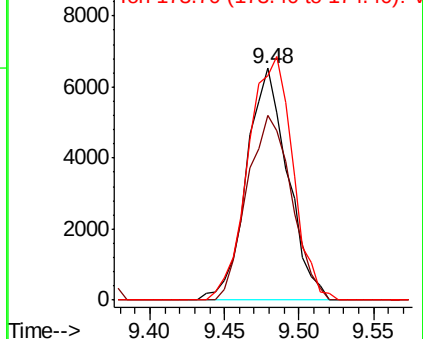
174 113.9 92.5 138.7

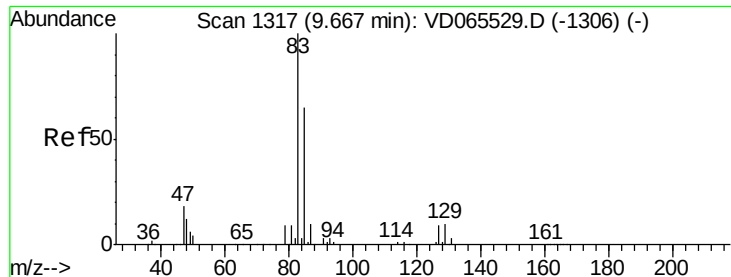


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.286 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

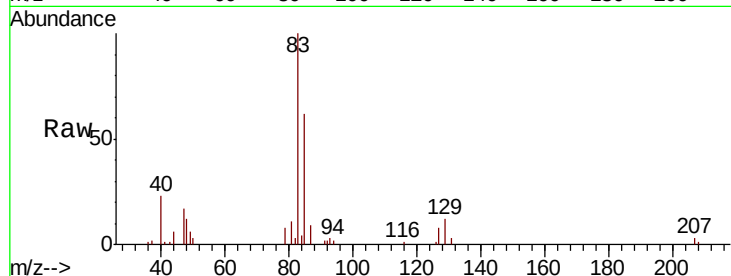
Tot Ion: 83 Resp: 34168

Ion Ratio Lower Upper

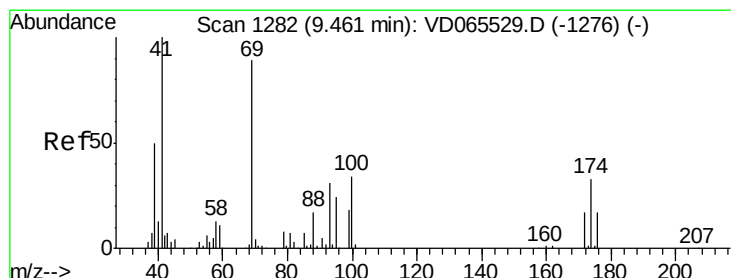
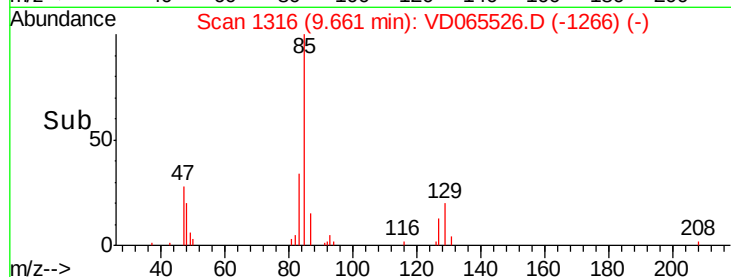
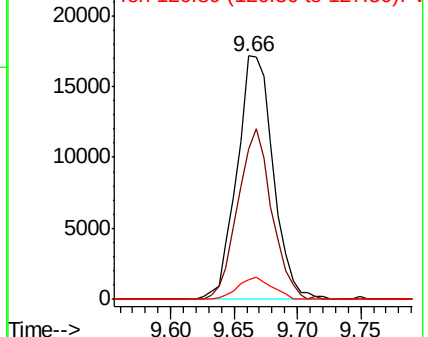
83 100

85 61.8 52.2 78.2

127 8.2 7.1 10.7



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: 4.134 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

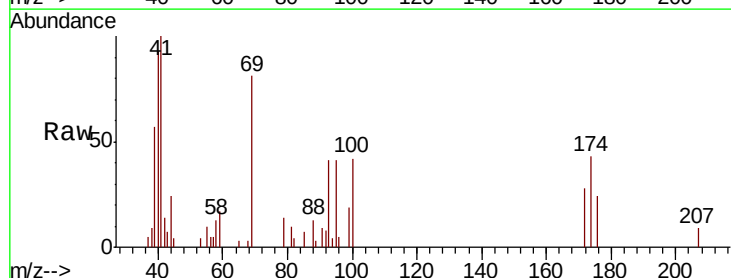
Tgt Ion: 41 Resp: 9829

Ion Ratio Lower Upper

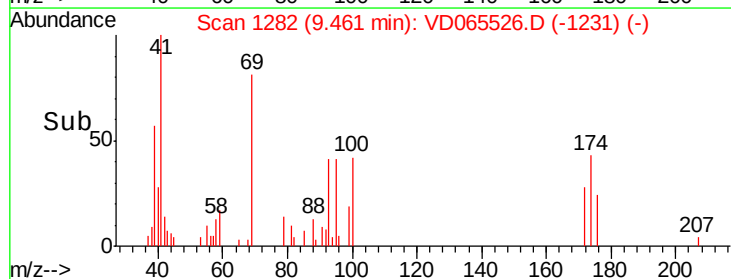
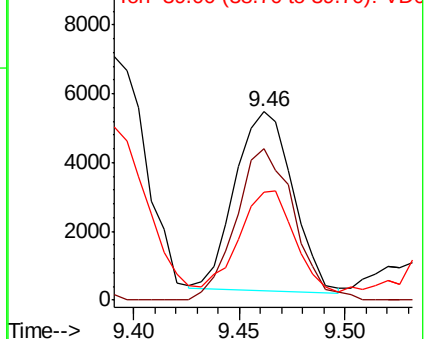
41 100

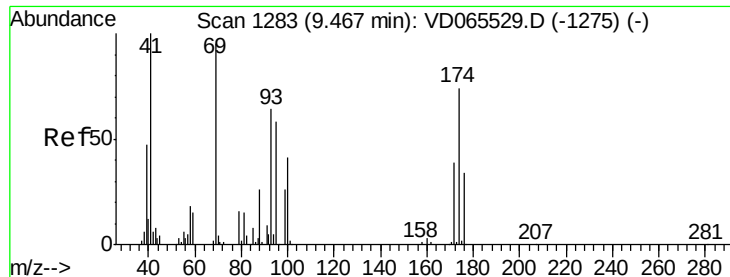
69 85.5 71.8 107.6

39 53.6 42.2 63.4



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: 73.678 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

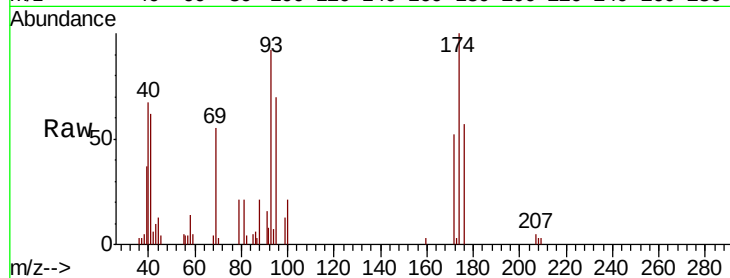
Tot Ion: 88 Resp: 2107

Ion Ratio Lower Upper

88 100

43 49.5 26.0 39.0#

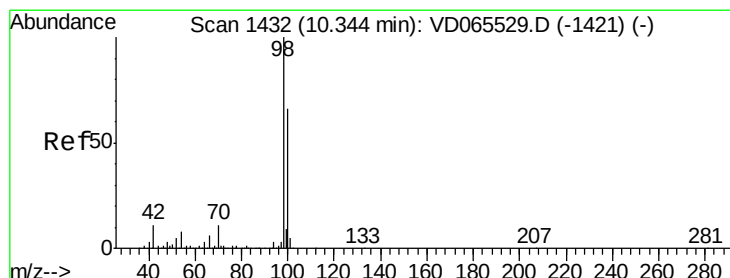
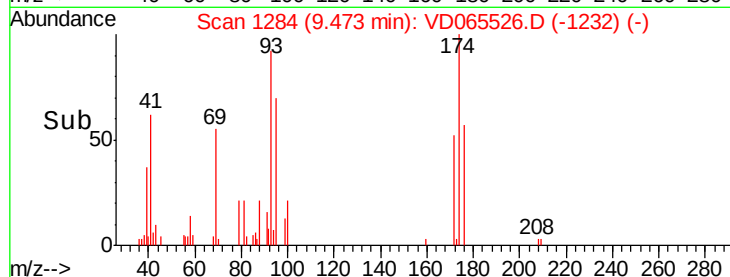
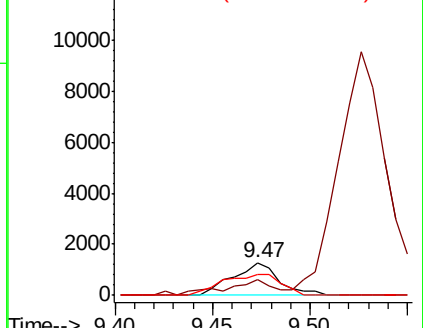
58 81.6 54.6 82.0



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: 4.944 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065526.D

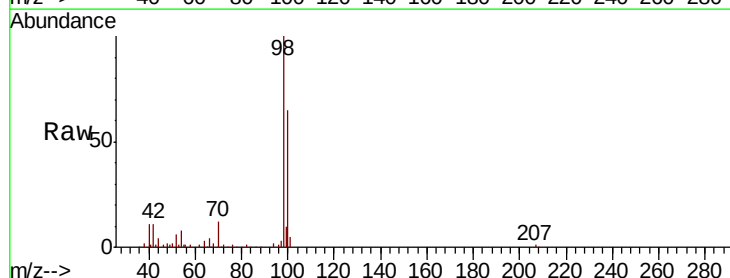
Acq: 26 Mar 2020 15:39

Tgt Ion: 98 Resp: 86613

Ion Ratio Lower Upper

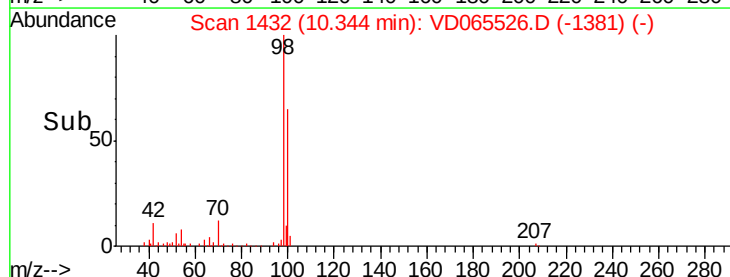
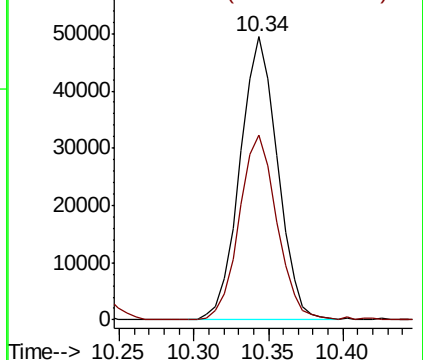
98 100

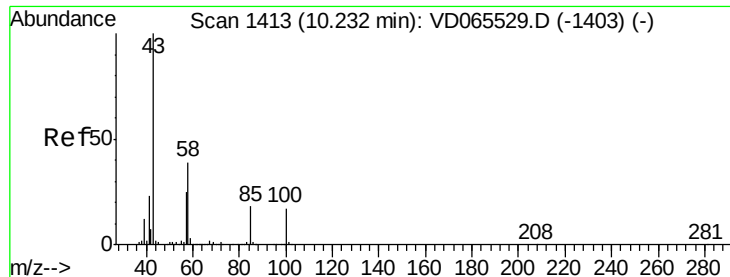
100 65.2 52.2 78.2



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: 19.932 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

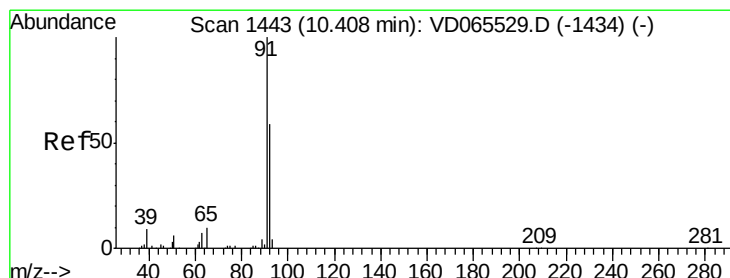
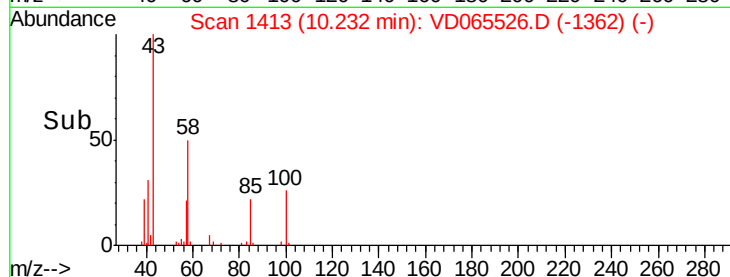
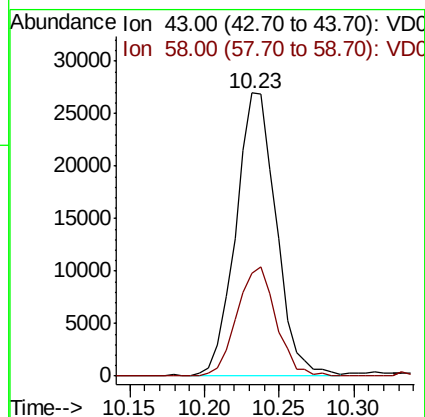
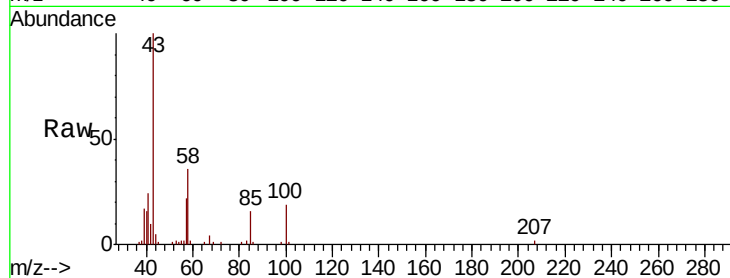
VSTDIC005

Tot Ion: 43 Resp: 50675

Ion Ratio Lower Upper

43 100

58 37.5 31.4 47.2



#52

Toluene

Concen: 4.853 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065526.D

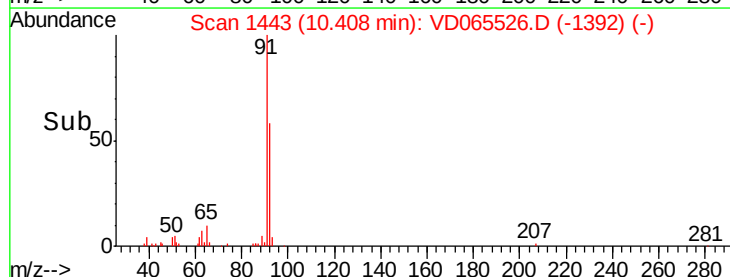
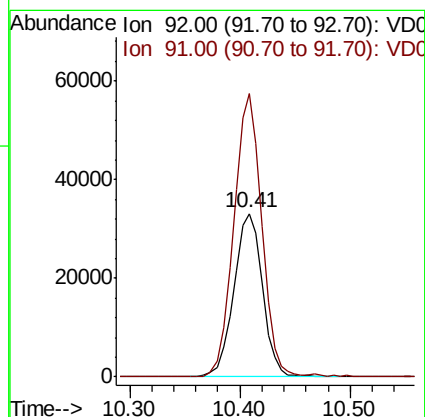
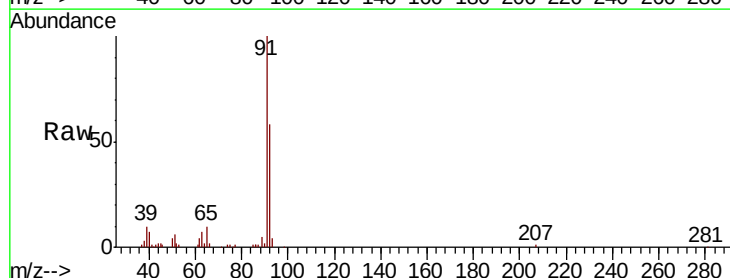
Acq: 26 Mar 2020 15:39

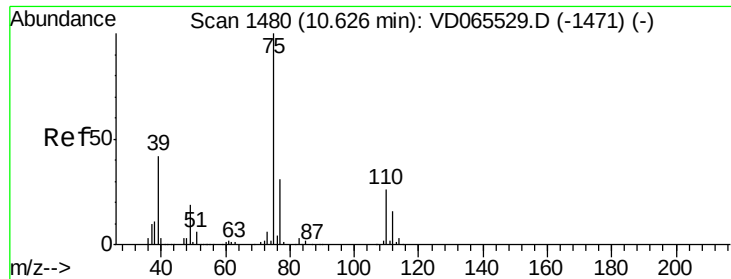
Tgt Ion: 92 Resp: 60340

Ion Ratio Lower Upper

92 100

91 168.1 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 4.674 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

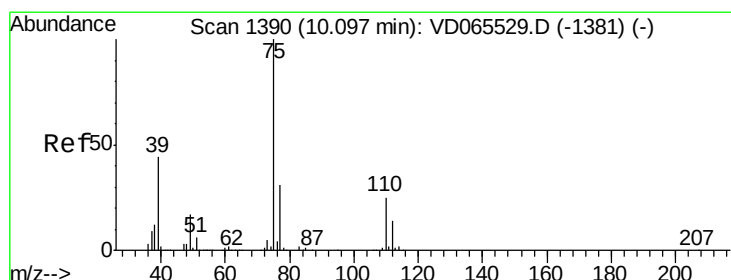
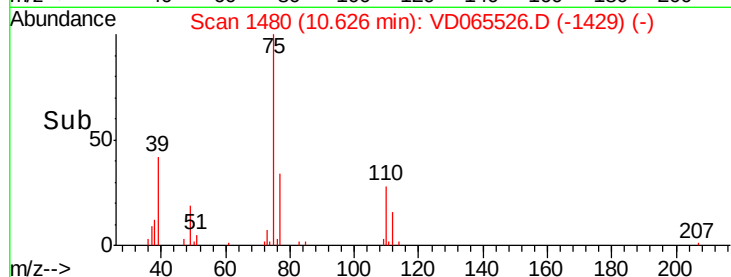
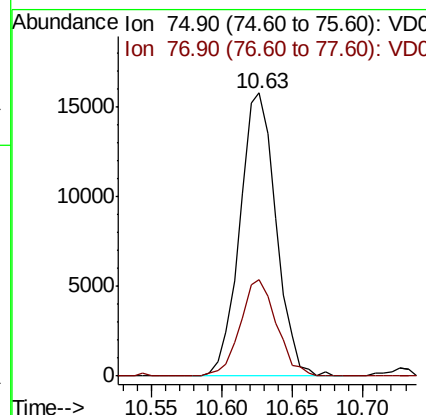
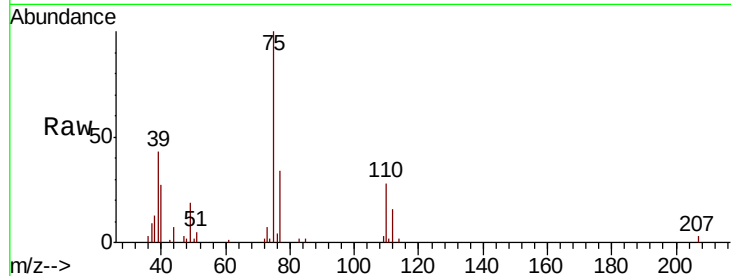
VSTDIC005

Tot Ion: 75 Resp: 28261

Ion Ratio Lower Upper

75 100

77 34.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 4.769 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

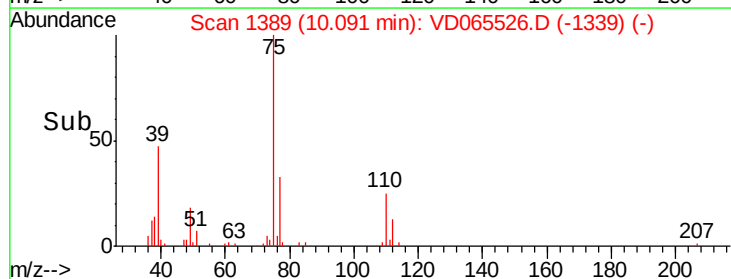
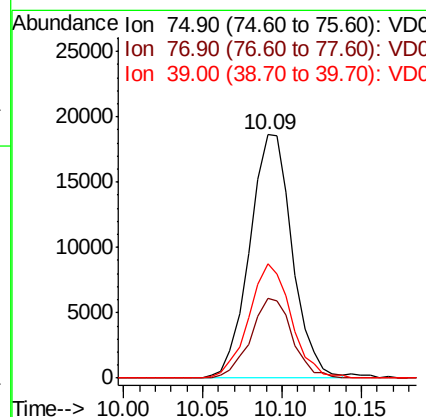
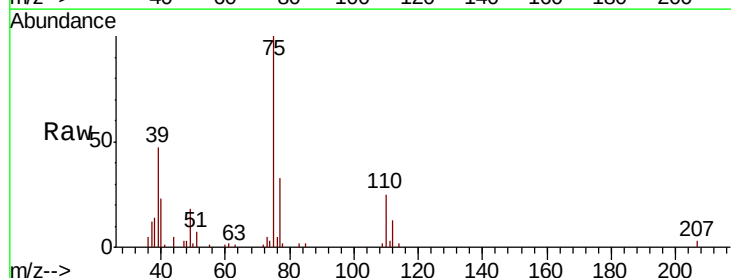
Tgt Ion: 75 Resp: 34873

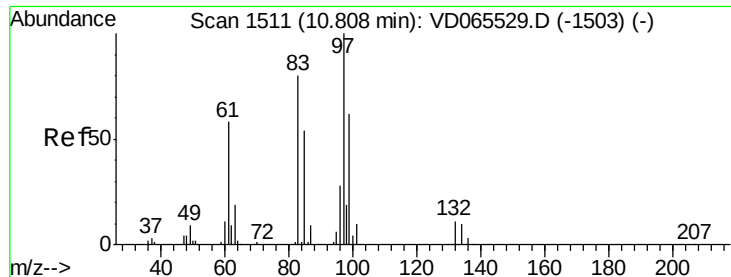
Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

39 46.9 35.4 53.2

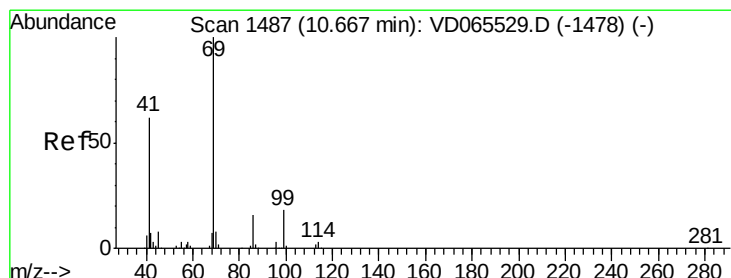
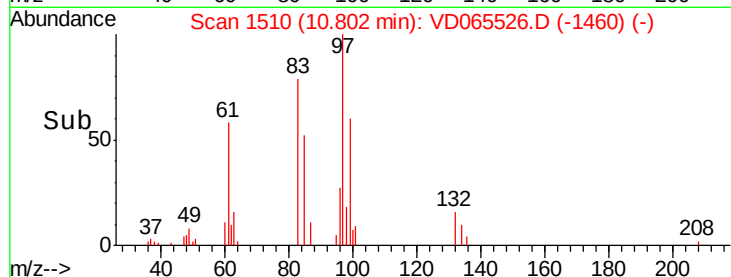
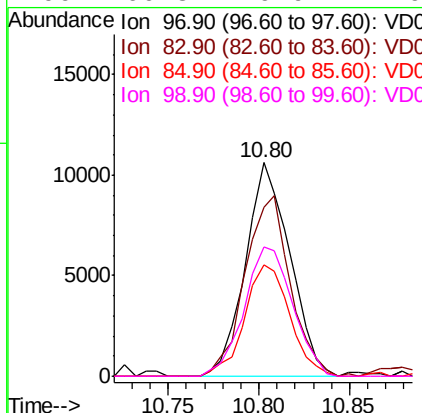
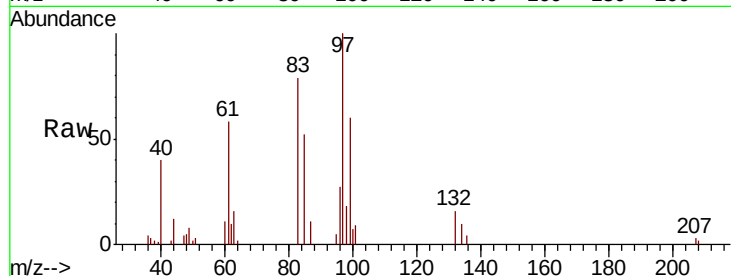




#55
 1,1,2-Trichloroethane
 Concen: 5.115 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

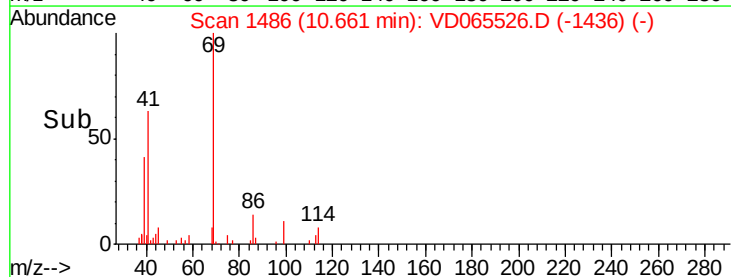
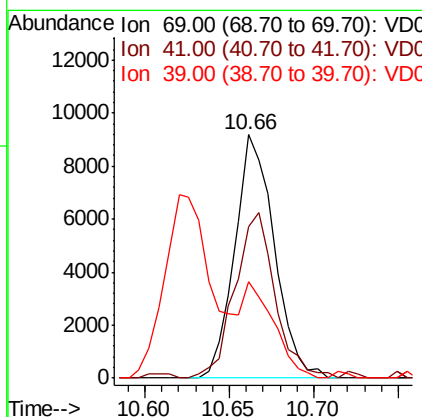
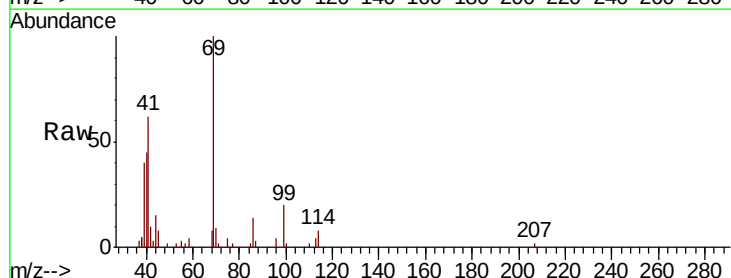
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

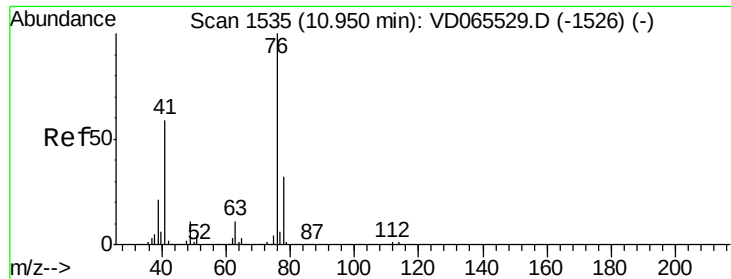
Tot Ion:	97	Resp:	18093
Ion	Ratio	Lower	Upper
97	100		
83	79.3	63.8	95.6
85	52.3	42.9	64.3
99	60.3	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 3.748 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion:	69	Resp:	14929
Ion	Ratio	Lower	Upper
69	100		
41	69.7	51.3	76.9
39	29.5	25.3	37.9

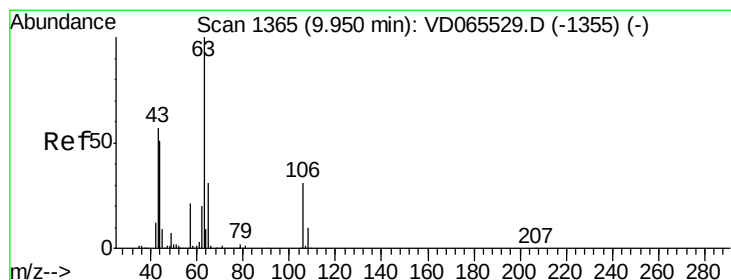
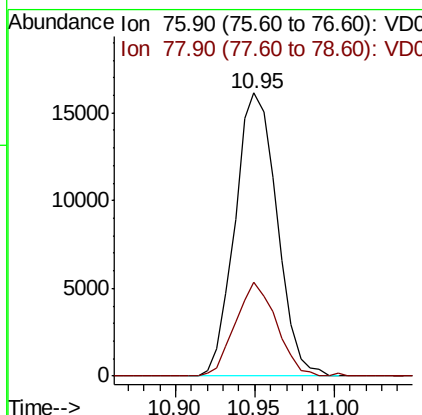
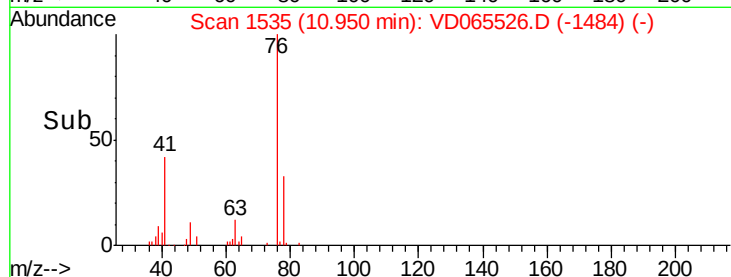
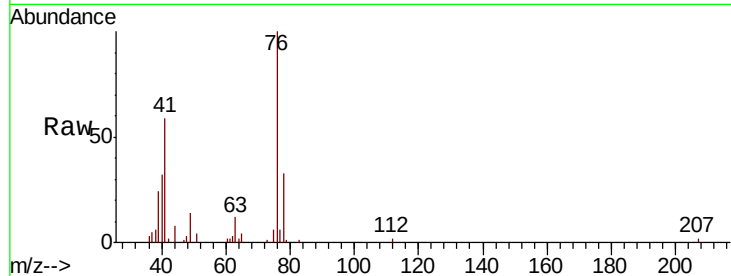




#57
 1,3-Dichloropropane
 Concen: 4.965 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

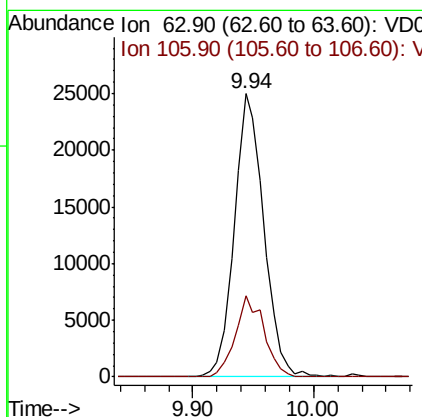
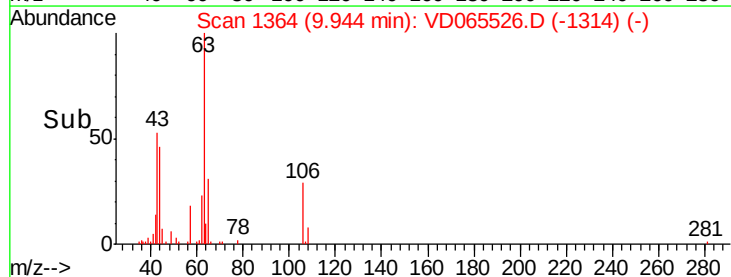
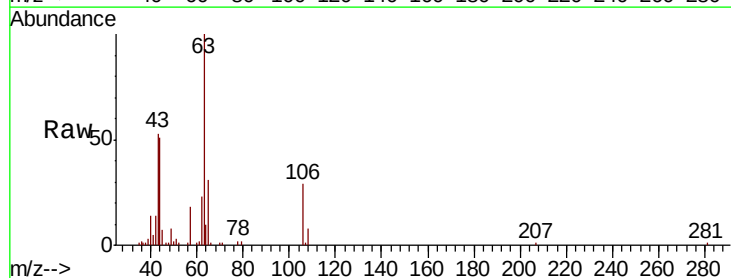
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

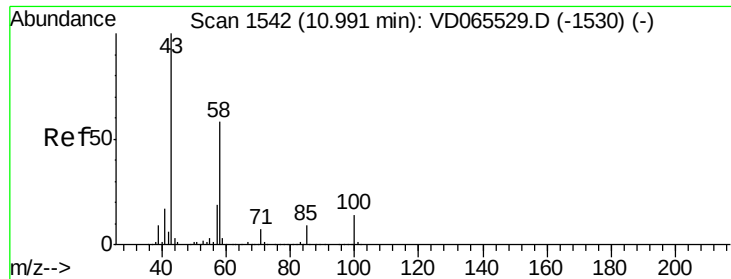
Tot Ion: 76 Resp: 29686
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.153 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 63 Resp: 42435
 Ion Ratio Lower Upper
 63 100
 106 27.8 24.3 36.5

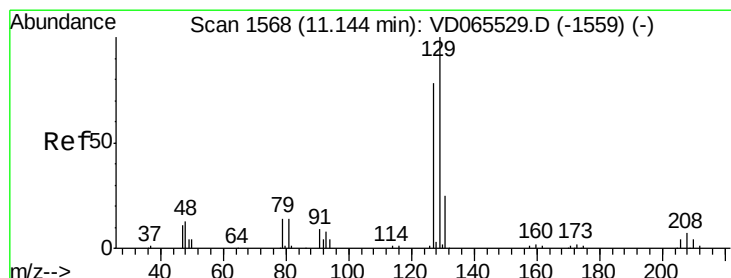
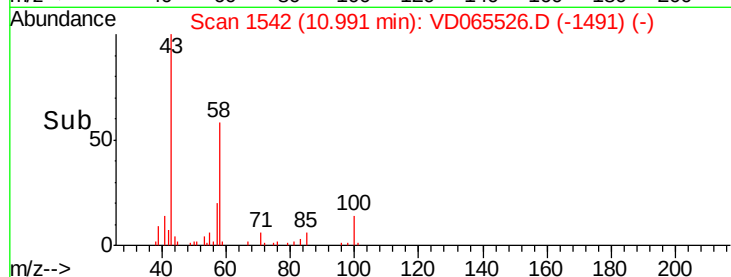
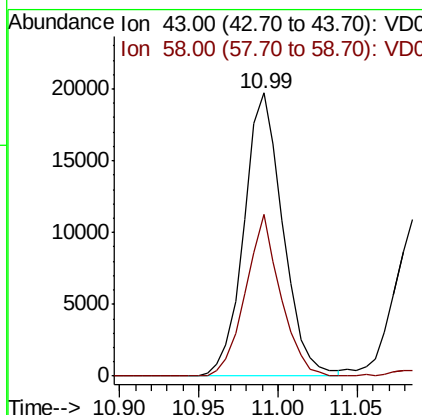
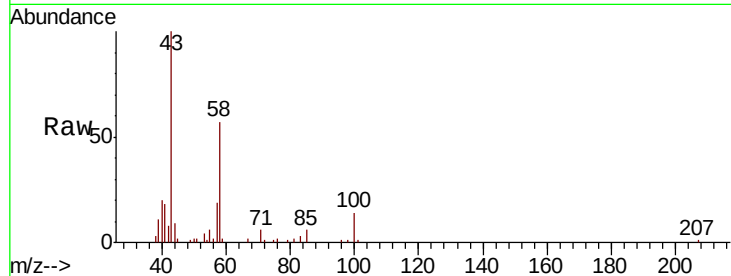




#59
2-Hexanone
Concen: 19.151 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

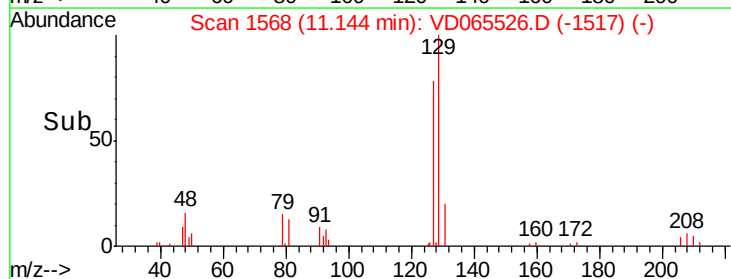
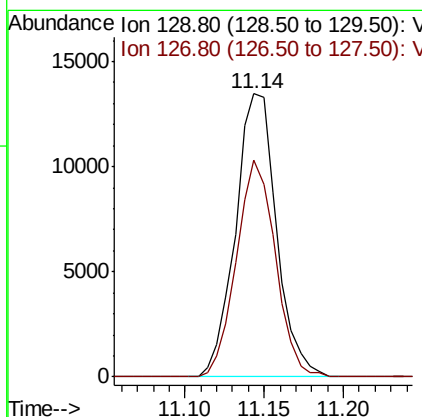
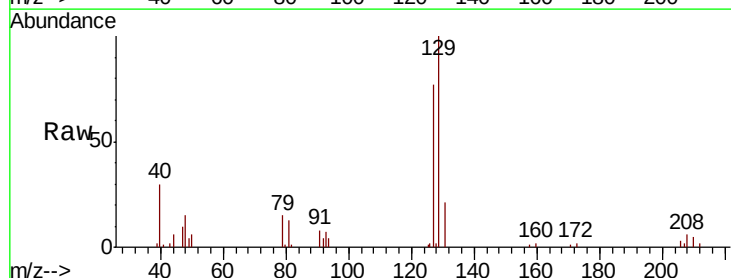
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

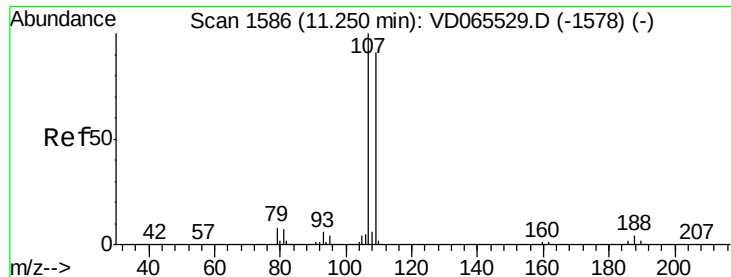
Tot Ion: 43 Resp: 33609
Ion Ratio Lower Upper
43 100
58 51.1 27.9 83.7



#60
Dibromochloromethane
Concen: 5.330 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion: 129 Resp: 24217
Ion Ratio Lower Upper
129 100
127 72.9 38.9 116.6

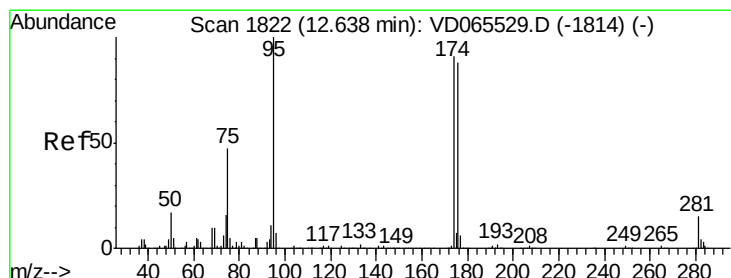
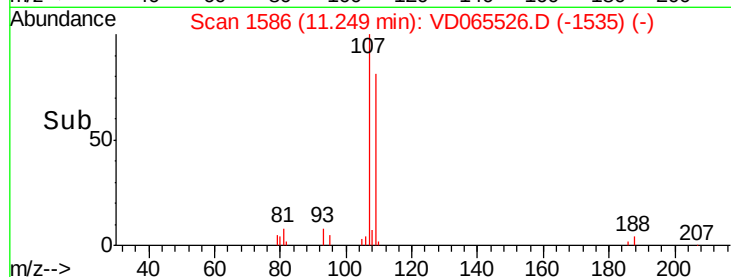
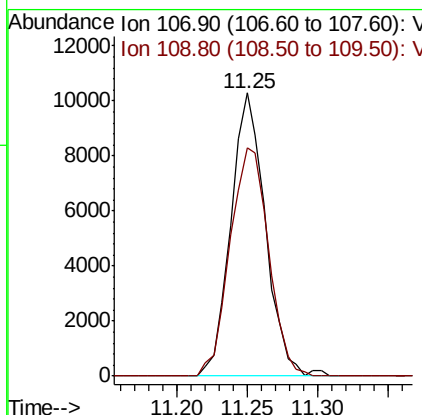
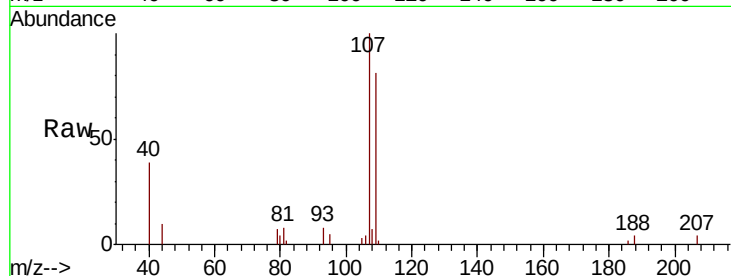




#61
 1,2-Dibromoethane
 Concen: 5.188 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

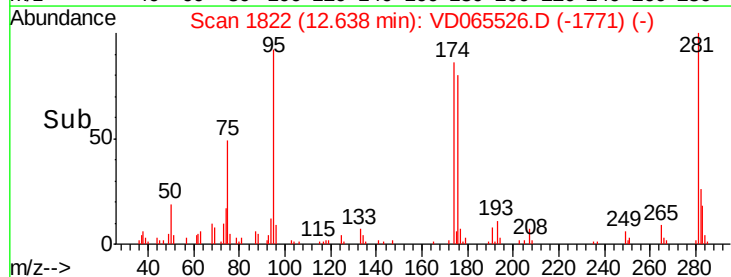
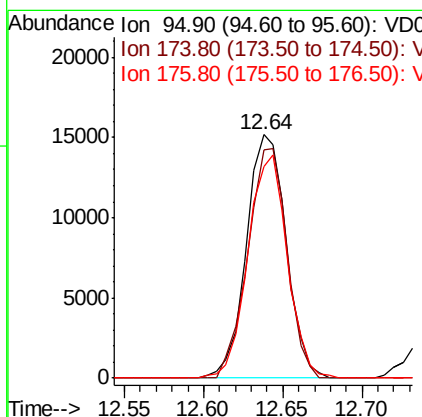
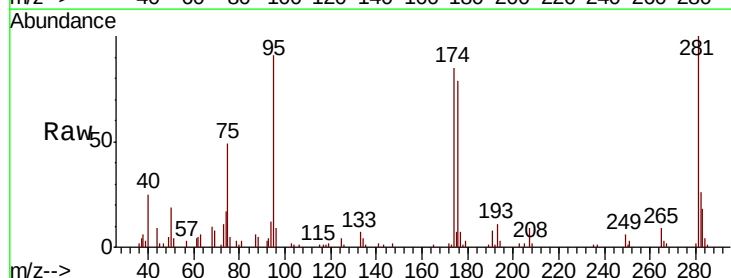
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

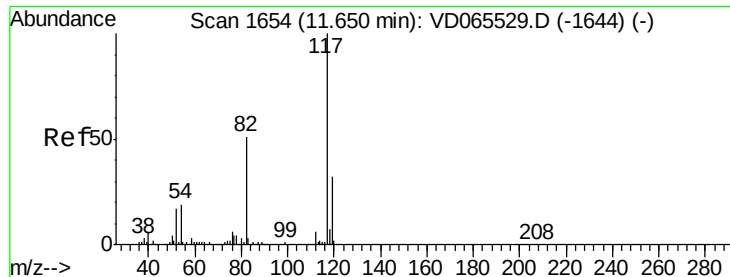
Tot Ion:107 Resp: 17570
 Ion Ratio Lower Upper
 107 100
 109 90.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 4.870 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 95 Resp: 26424
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 183.8
 176 91.0 0.0 178.2

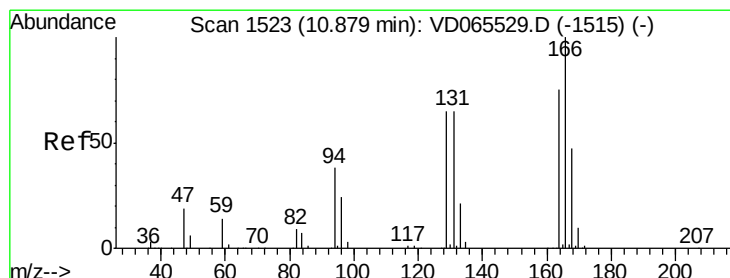
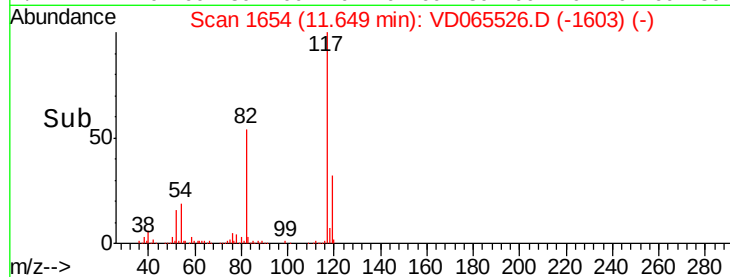
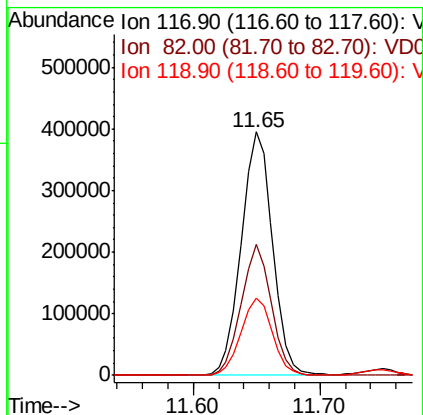
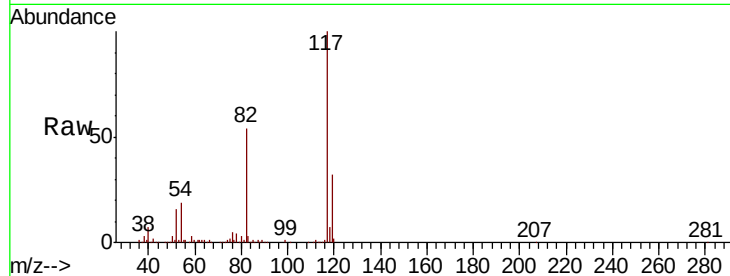




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

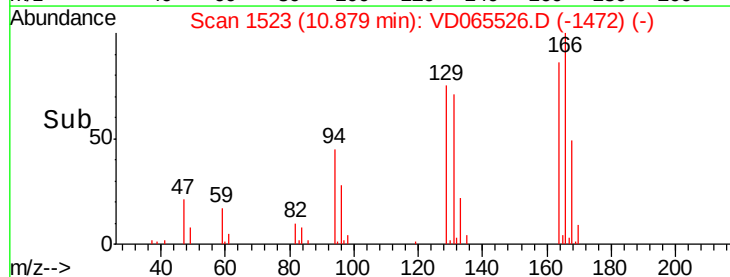
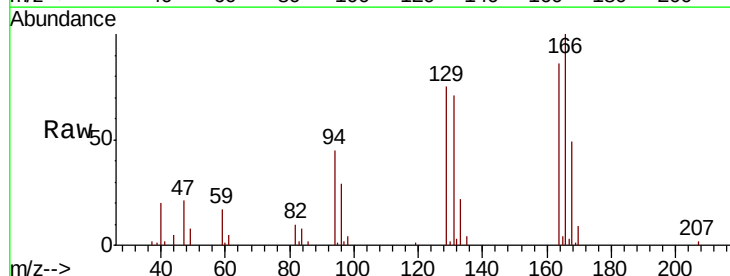
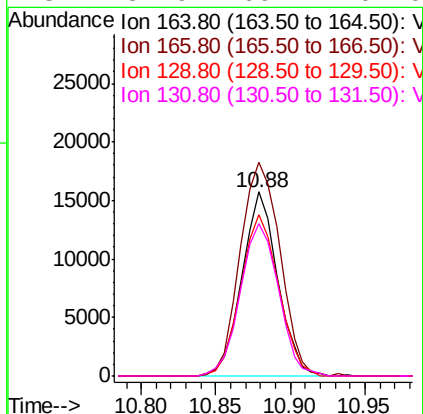
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

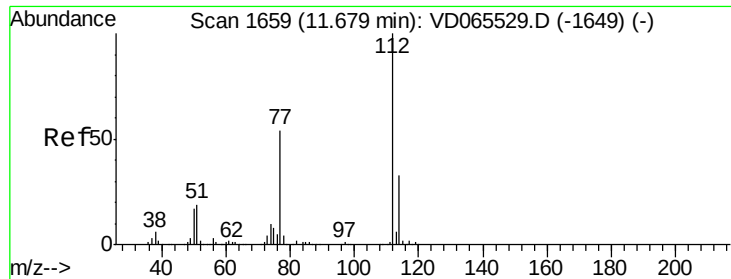
Tot Ion:117 Resp: 676280
Ion Ratio Lower Upper
117 100
82 53.8 41.0 61.6
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 5.399 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion:164 Resp: 26004
Ion Ratio Lower Upper
164 100
166 116.1 107.1 160.7
129 87.5 69.2 103.8
131 82.9 69.4 104.0

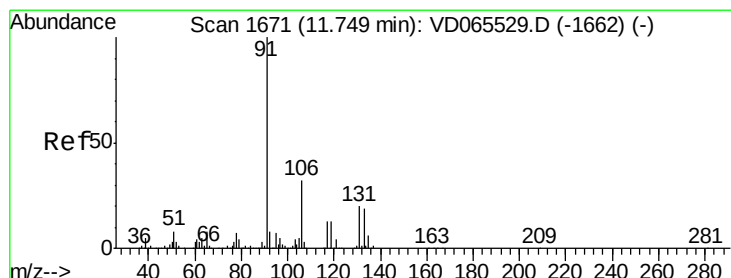
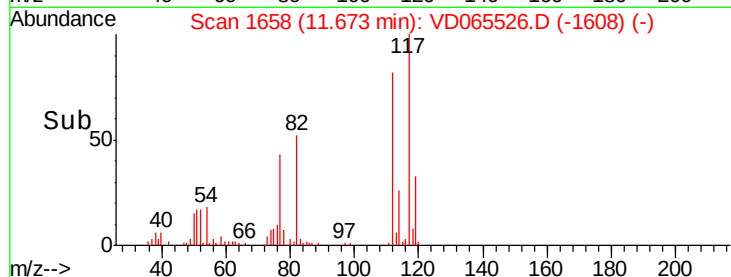
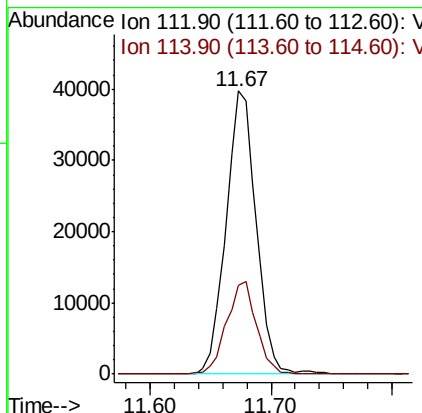
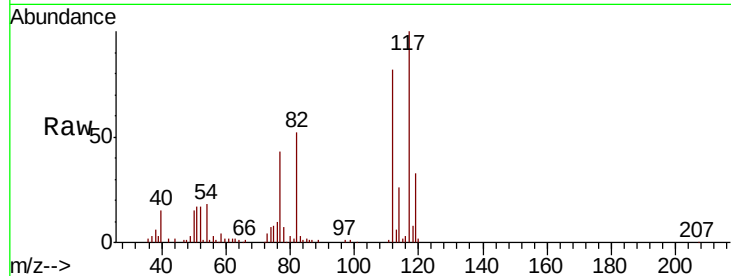




#65
Chlorobenzene
Concen: 5.166 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

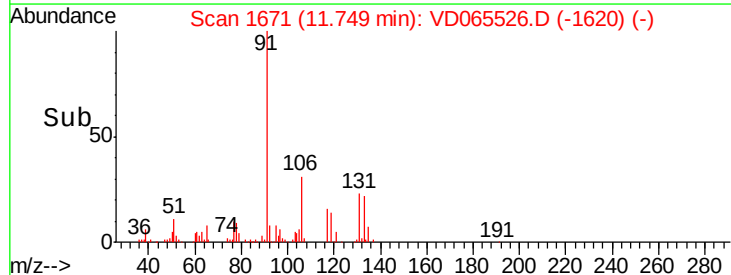
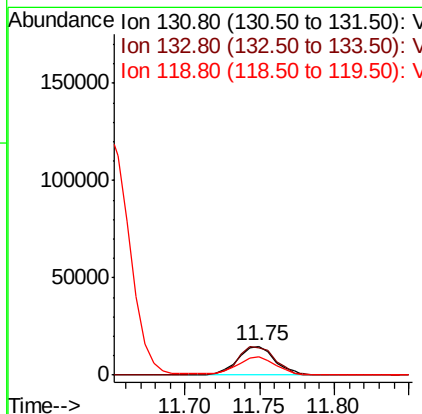
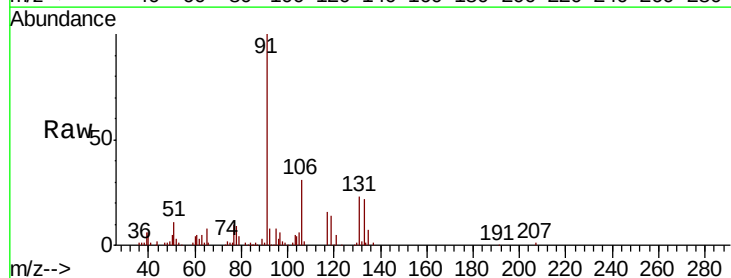
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

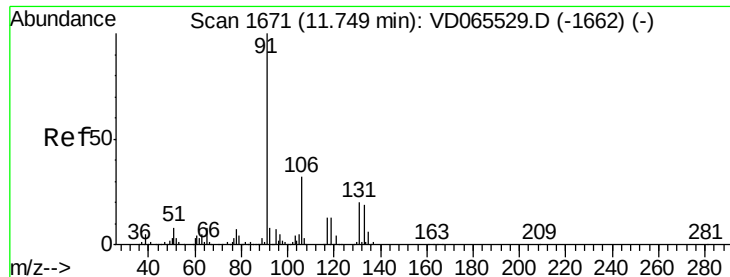
Tot Ion:112 Resp: 68622
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.327 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion:131 Resp: 25914
Ion Ratio Lower Upper
131 100
133 99.3 48.9 146.7
119 65.9 32.5 97.4





#67

Ethyl Benzene

Concen: 4.660 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

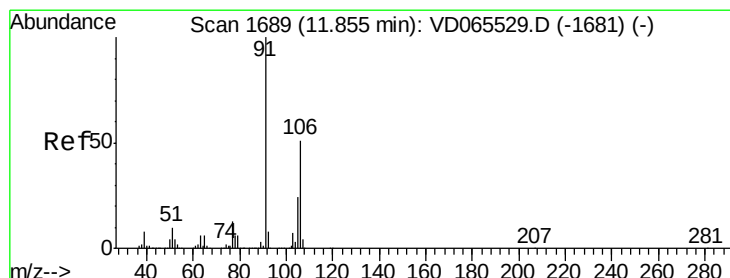
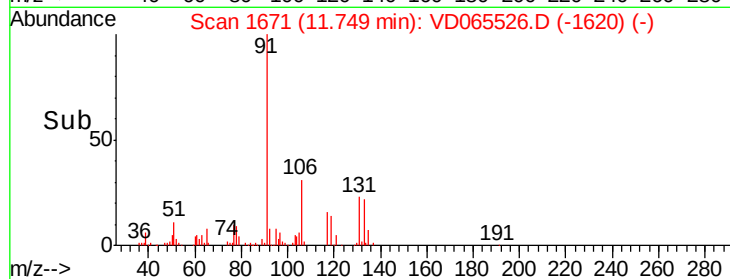
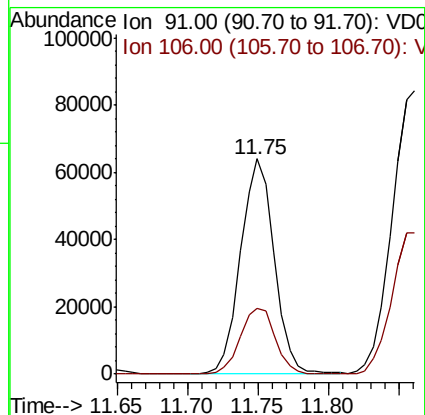
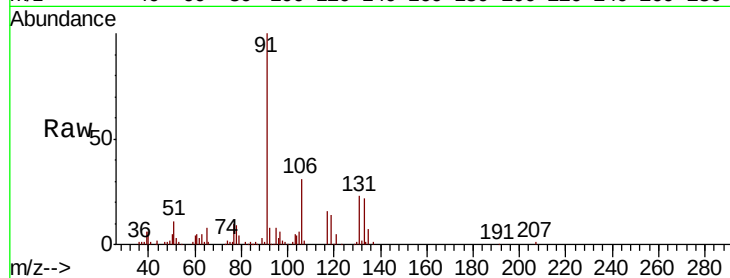
VSTDIC005

Tot Ion: 91 Resp: 106554

Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.0



#68

m/p-Xylenes

Concen: 9.224 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065526.D

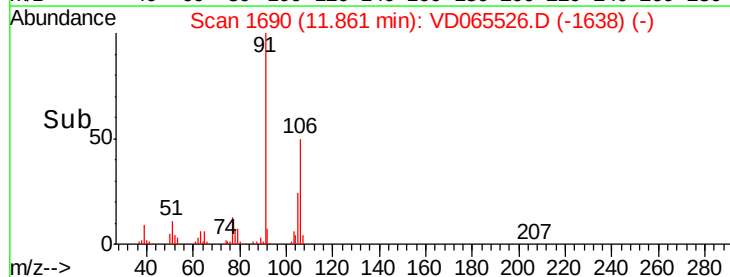
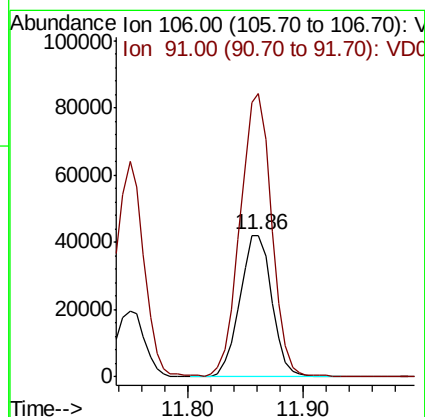
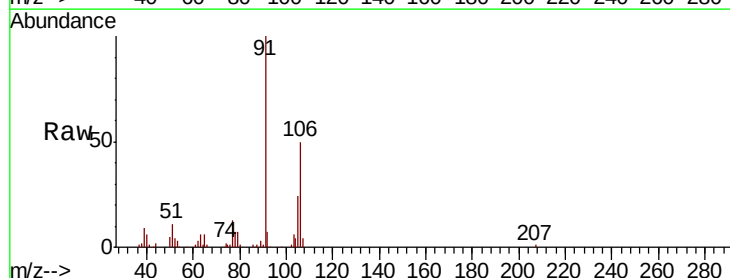
Acq: 26 Mar 2020 15:39

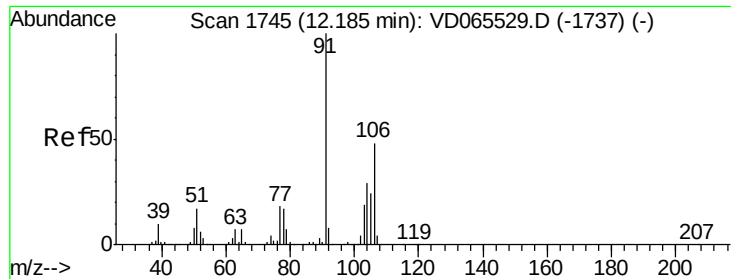
Tgt Ion: 106 Resp: 81407

Ion Ratio Lower Upper

106 100

91 197.0 155.4 233.0

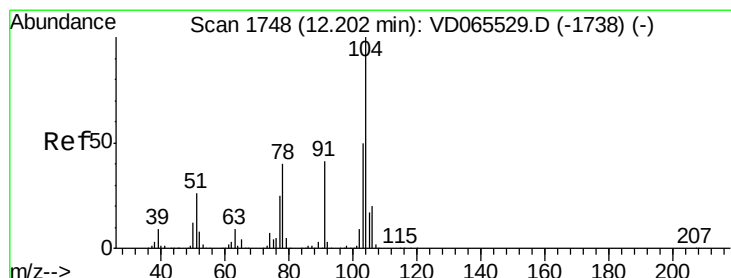
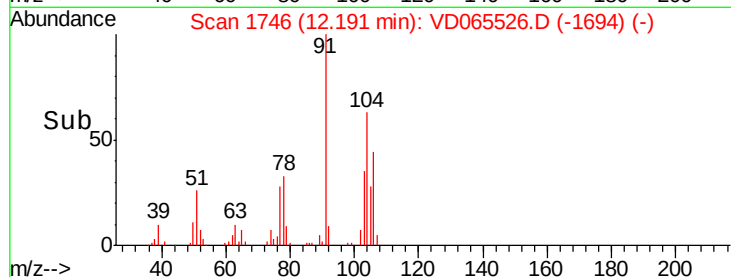
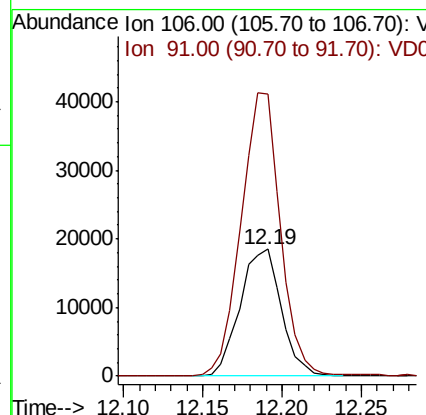
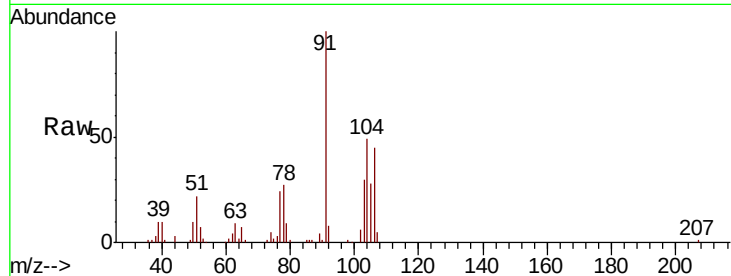




#69
o-Xylene
Concen: 4.305 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

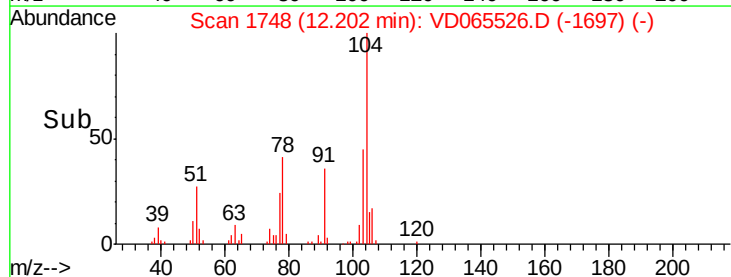
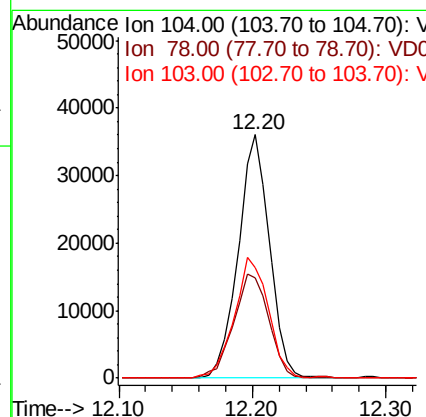
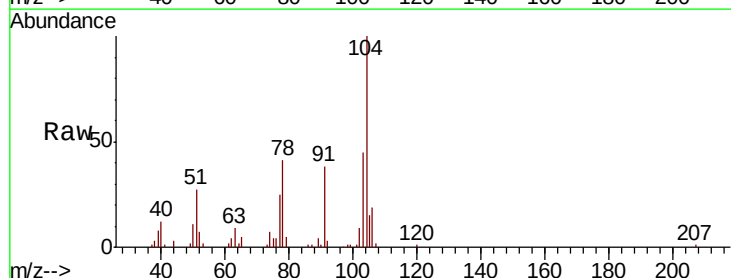
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

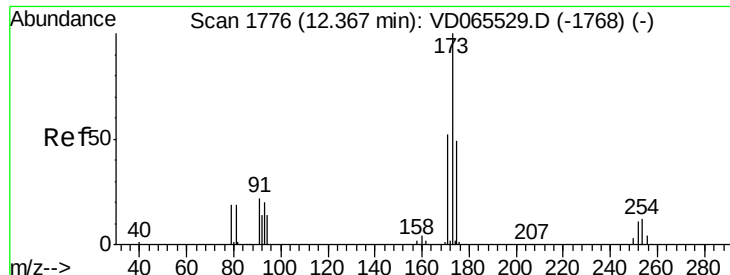
Tot Ion:106 Resp: 33438
Ion Ratio Lower Upper
106 100
91 212.2 102.8 308.4



#70
Styrene
Concen: 4.266 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion:104 Resp: 58513
Ion Ratio Lower Upper
104 100
78 48.5 36.6 55.0
103 53.7 43.8 65.6





#71

Bromoform

Concen: 4.941 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

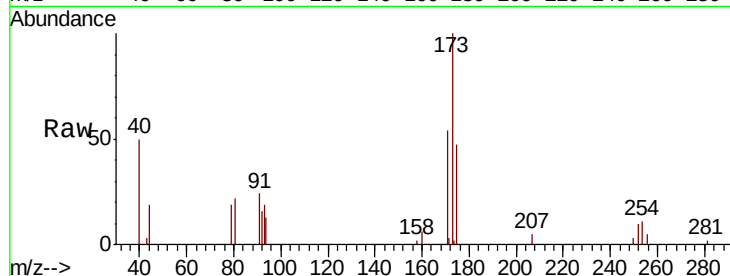
Tot Ion:173 Resp: 13532

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

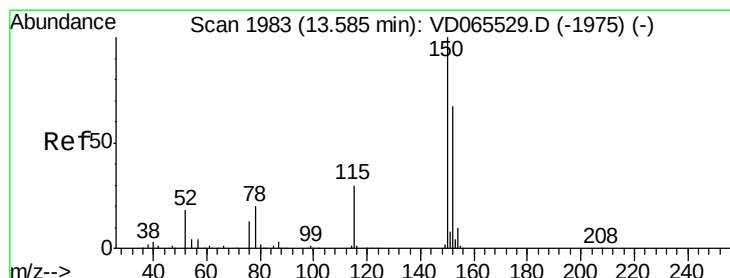
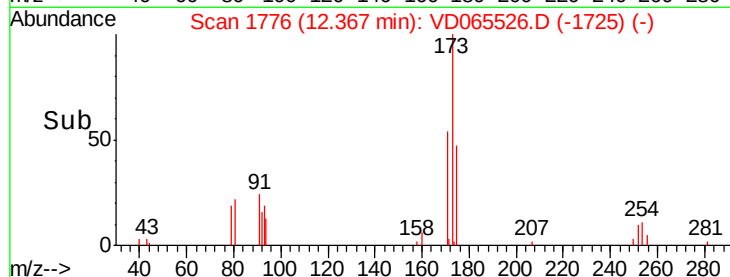
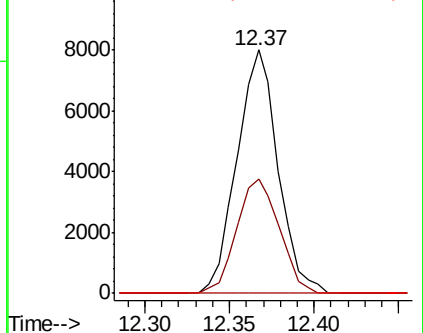
254 0.0 0.0 0.0



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# 1983

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

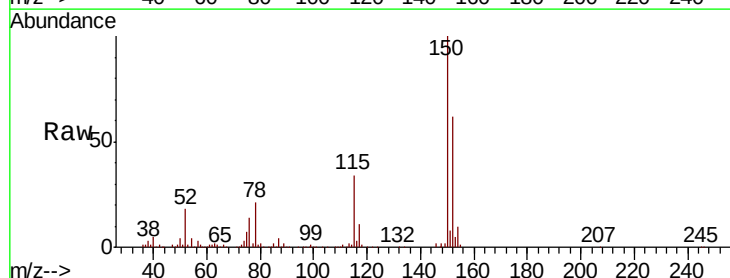
Tgt Ion:152 Resp: 337339

Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

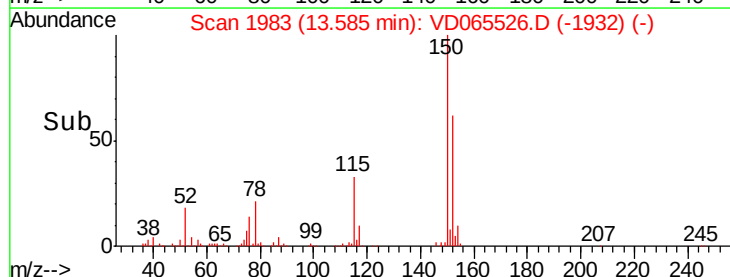
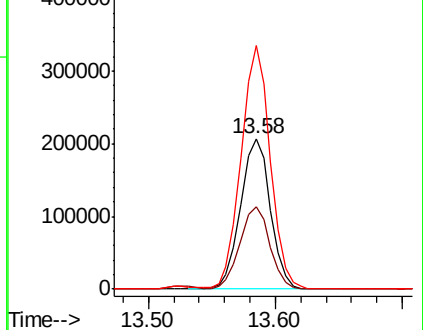
150 158.6 0.0 340.2

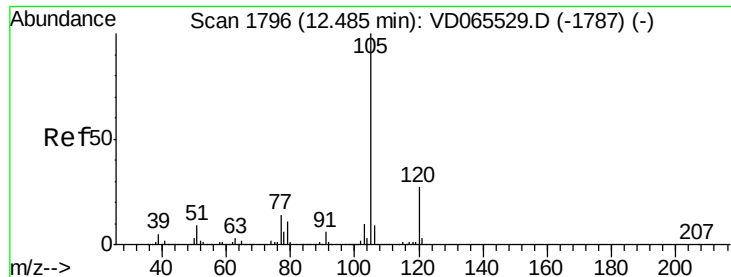


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.299 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

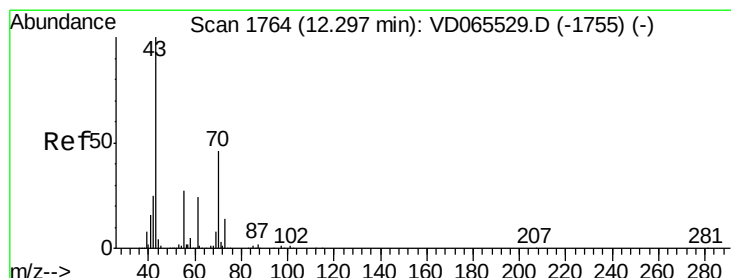
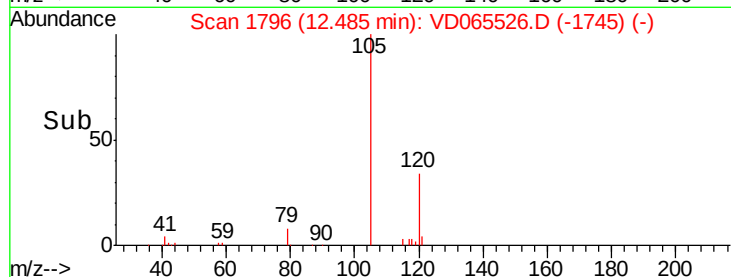
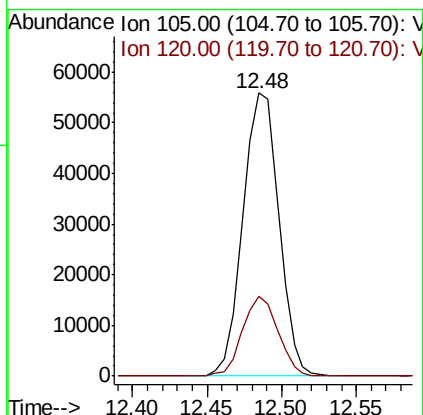
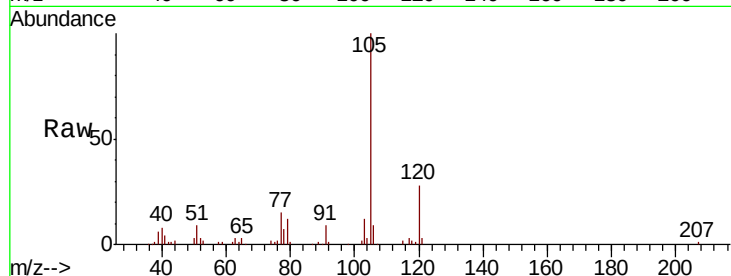
VSTDIC005

Tot Ion:105 Resp: 93443

Ion Ratio Lower Upper

105 100

120 27.6 13.7 41.0



#74

N-ethyl acetate

Concen: 3.934 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Tgt Ion: 43 Resp: 17525

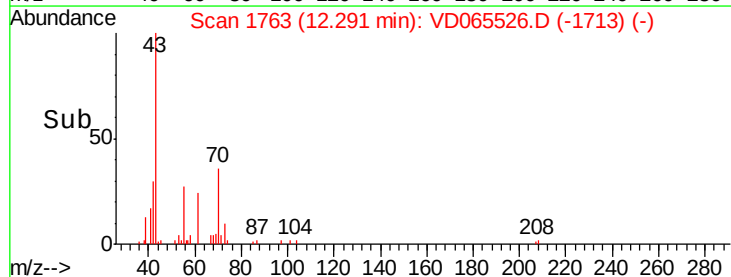
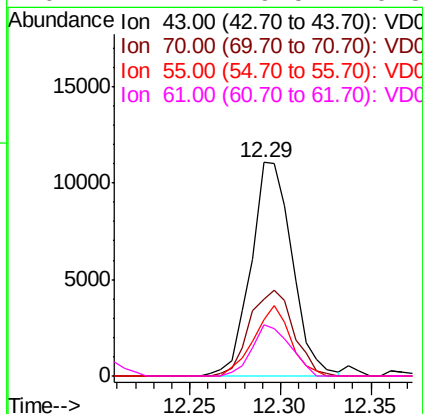
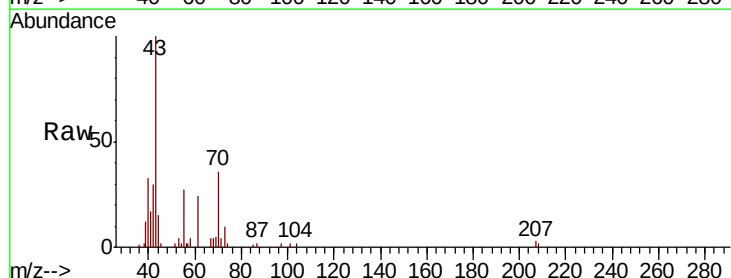
Ion Ratio Lower Upper

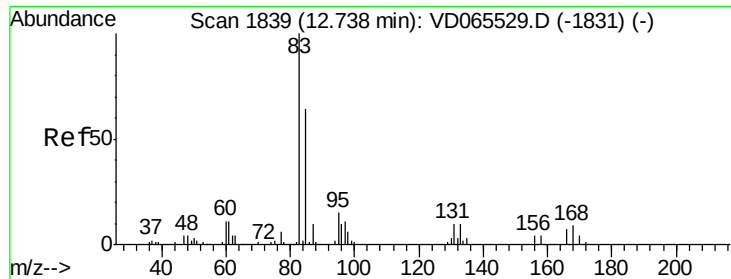
43 100

70 42.6 36.2 54.2

55 29.1 22.2 33.4

61 22.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.764 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

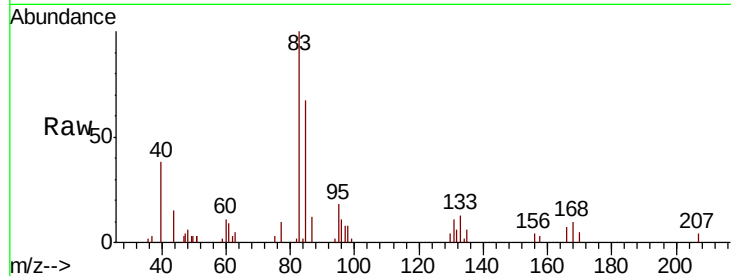
Tot Ion: 83 Resp: 18295

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

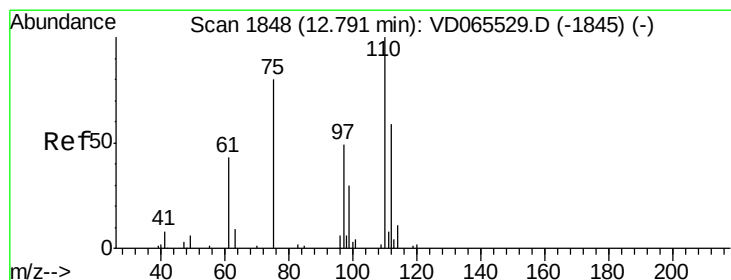
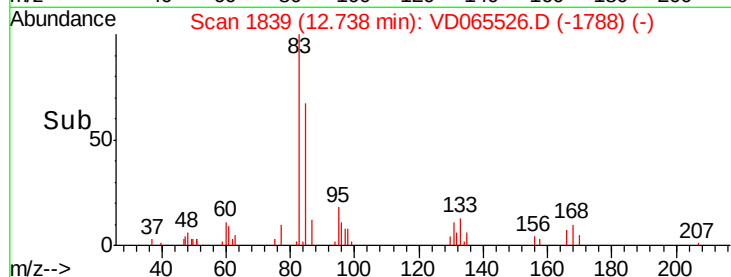
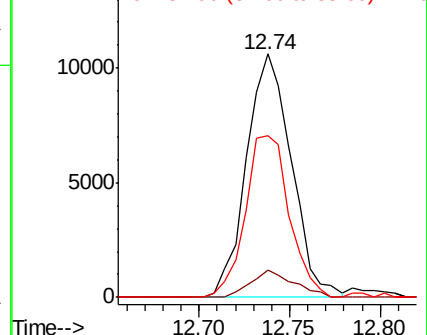
85 64.8 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 8.656 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065526.D

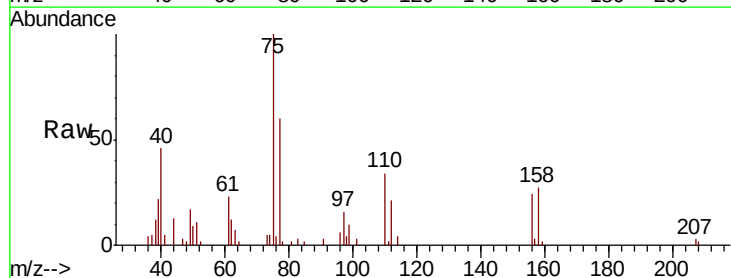
Acq: 26 Mar 2020 15:39

Tgt Ion: 75 Resp: 23216

Ion Ratio Lower Upper

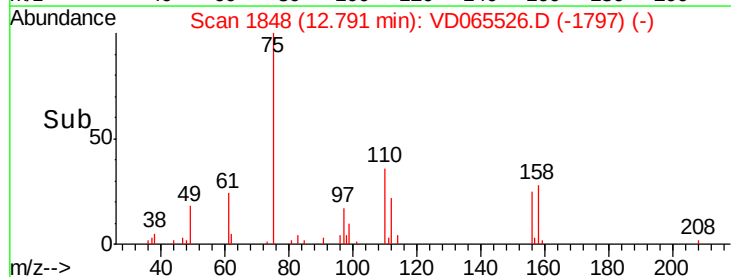
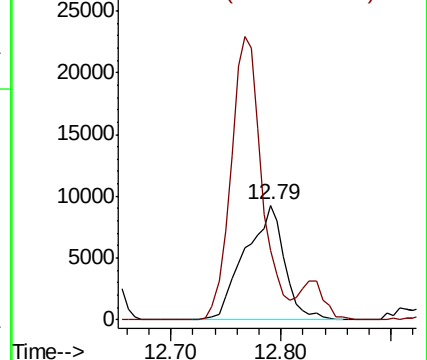
75 100

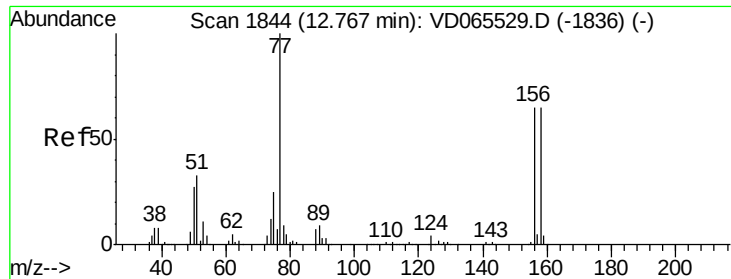
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 5.005 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

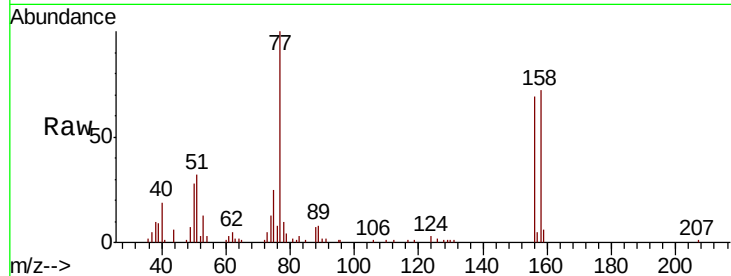
Tot Ion:156 Resp: 27306

Ion Ratio Lower Upper

156 100

77 164.4 81.8 245.3

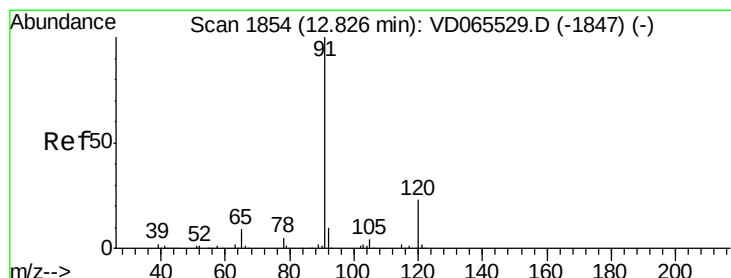
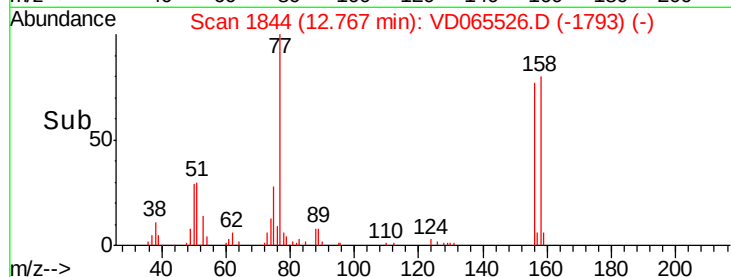
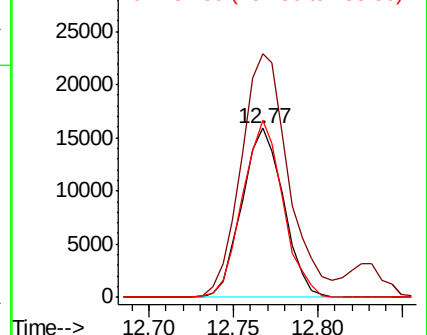
158 101.7 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.434 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065526.D

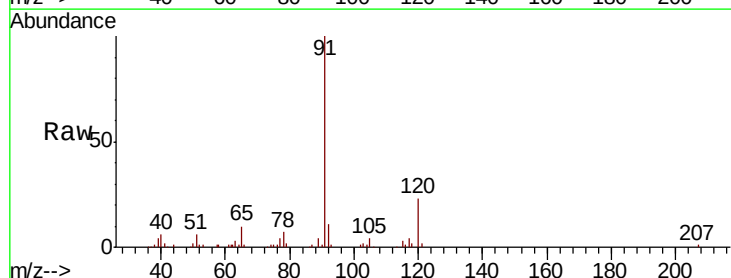
Acq: 26 Mar 2020 15:39

Tgt Ion: 91 Resp: 114756

Ion Ratio Lower Upper

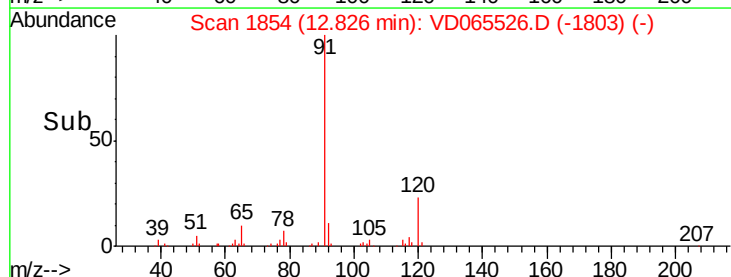
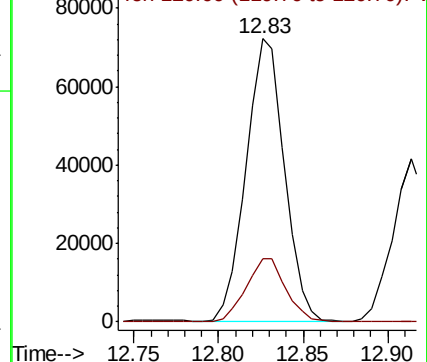
91 100

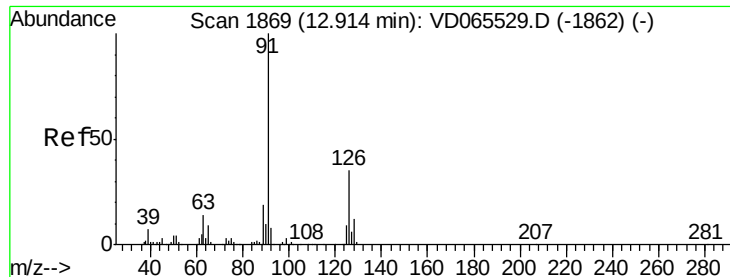
120 23.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.659 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

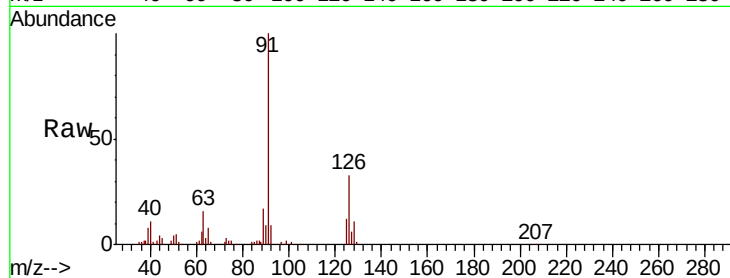
VSTDIC005

Tot Ion: 91 Resp: 68104

Ion Ratio Lower Upper

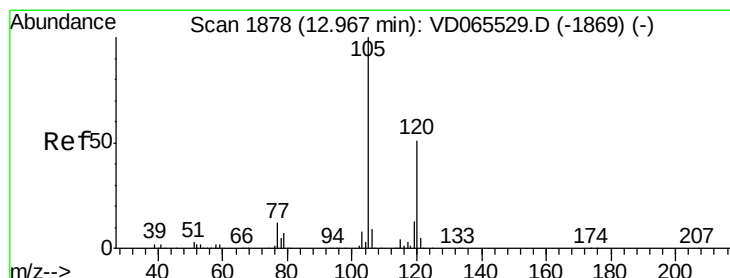
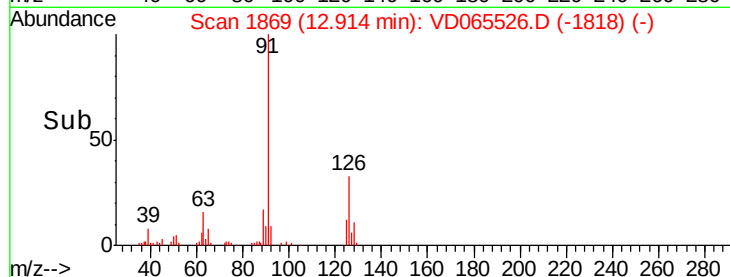
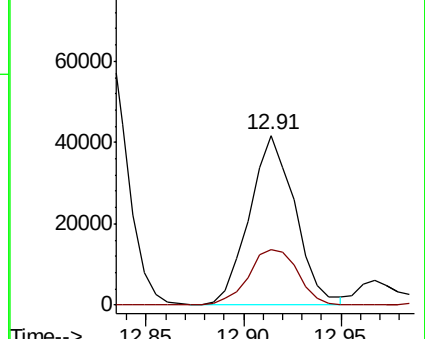
91 100

126 35.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065529.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.272 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065526.D

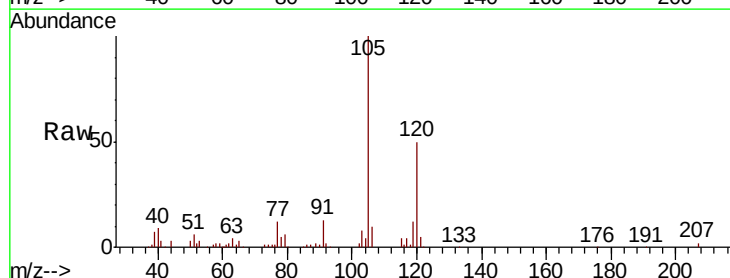
Acq: 26 Mar 2020 15:39

Tgt Ion:105 Resp: 76398

Ion Ratio Lower Upper

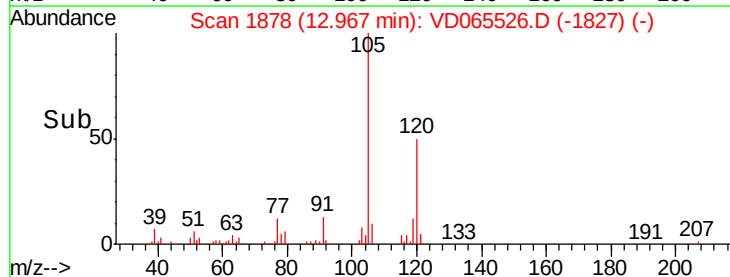
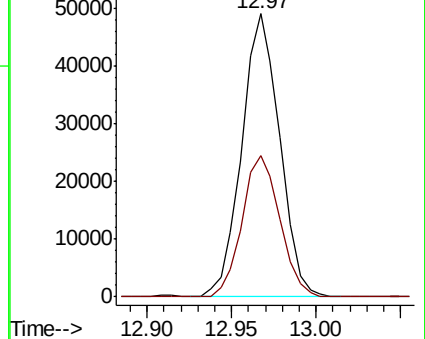
105 100

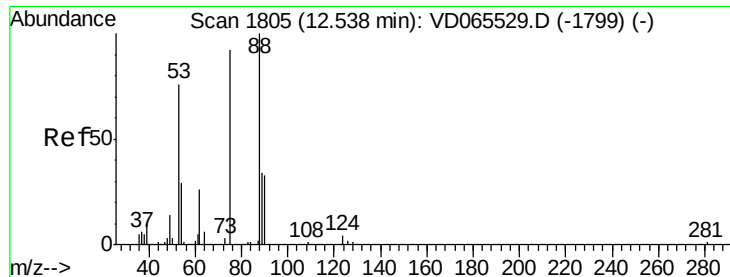
120 49.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.251 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

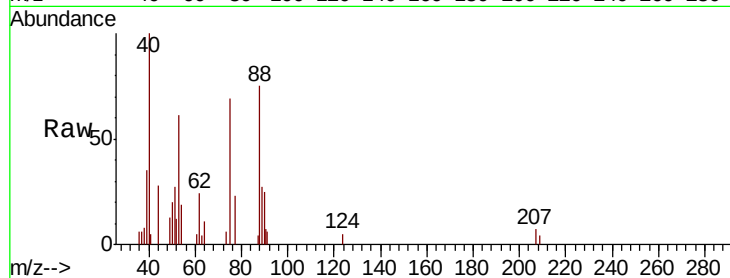
Tot Ion: 75 Resp: 5288

Ion Ratio Lower Upper

75 100

53 96.8 72.4 108.6

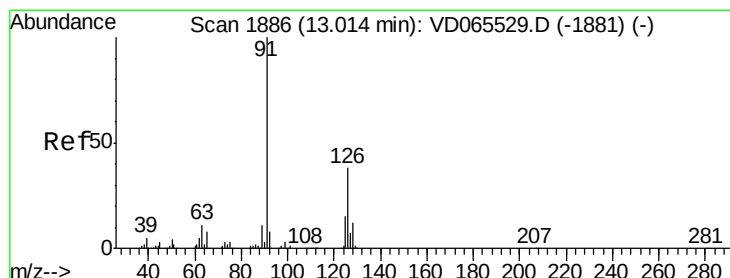
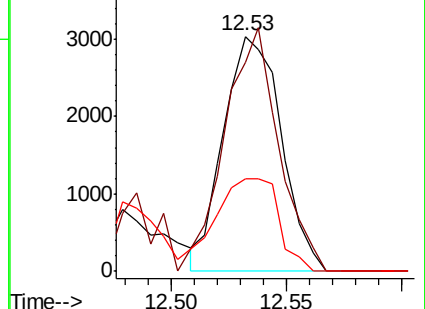
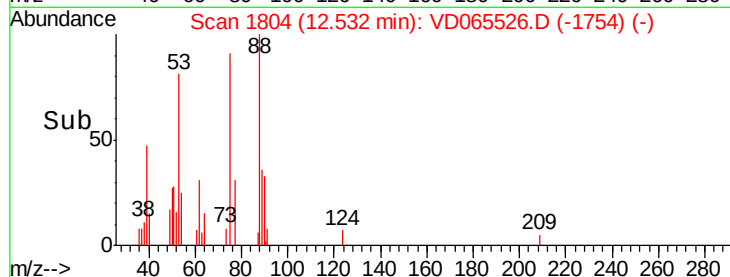
89 43.6 36.9 55.3



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: 4.767 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065526.D

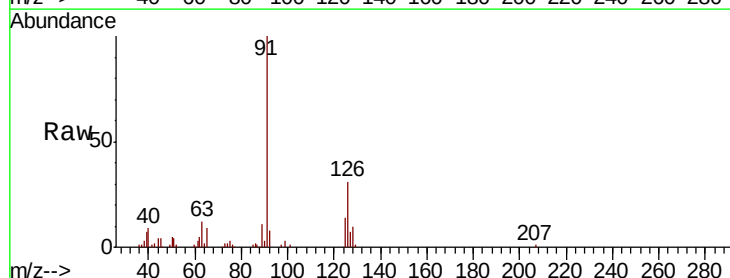
Acq: 26 Mar 2020 15:39

Tgt Ion: 91 Resp: 73153

Ion Ratio Lower Upper

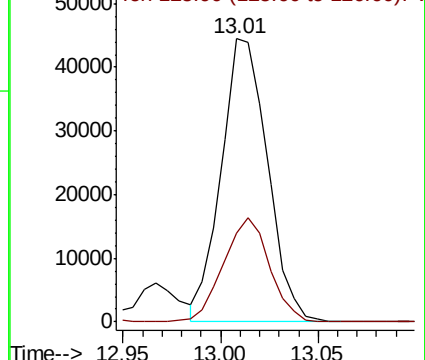
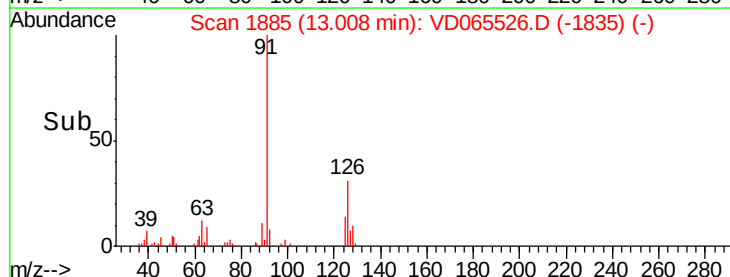
91 100

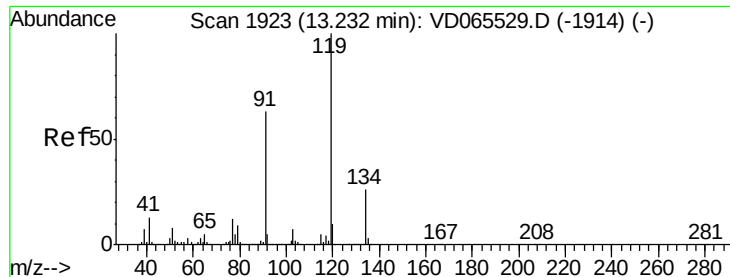
126 36.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

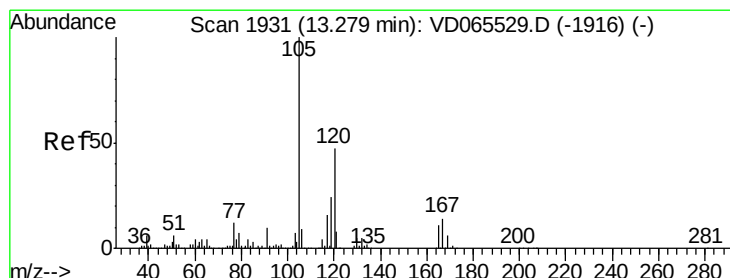
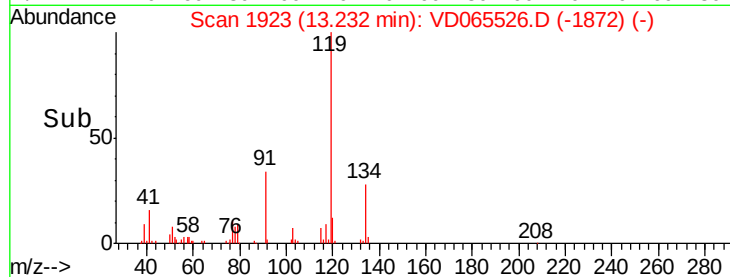
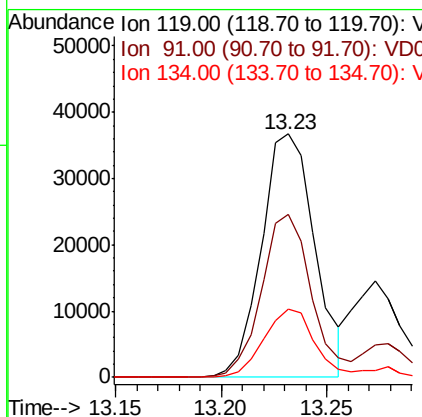
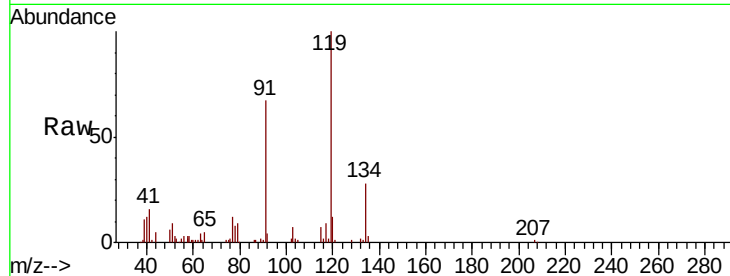




#83
 tert-Butylbenzene
 Concen: 4.250 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

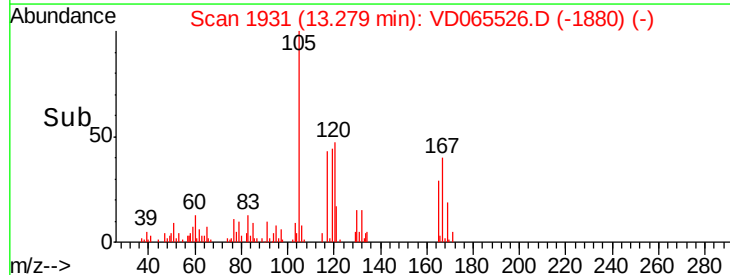
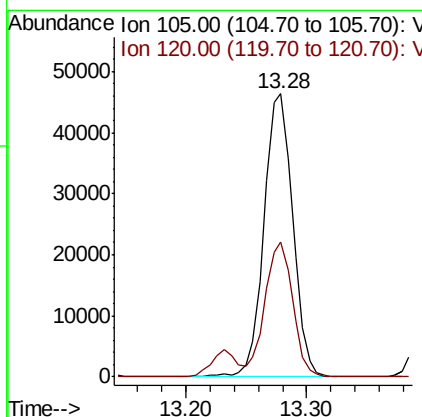
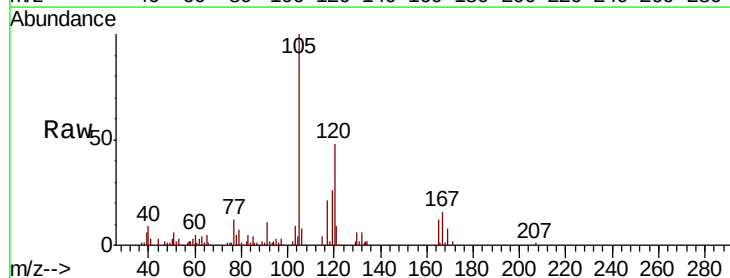
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

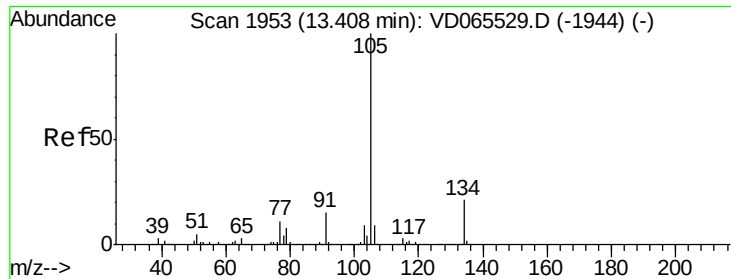
Tot Ion:119 Resp: 64446
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.4 94.0
 134 26.8 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.308 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion:105 Resp: 76146
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 4.433 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

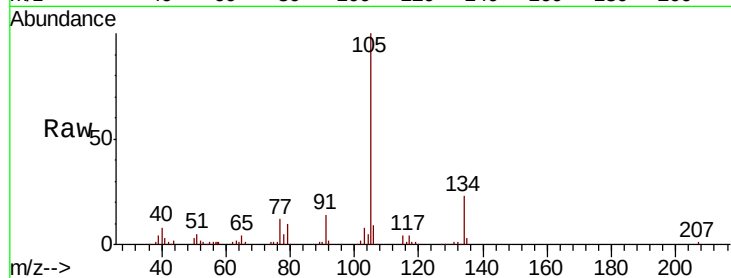
VSTDIC005

Tot Ion:105 Resp: 95571

Ion Ratio Lower Upper

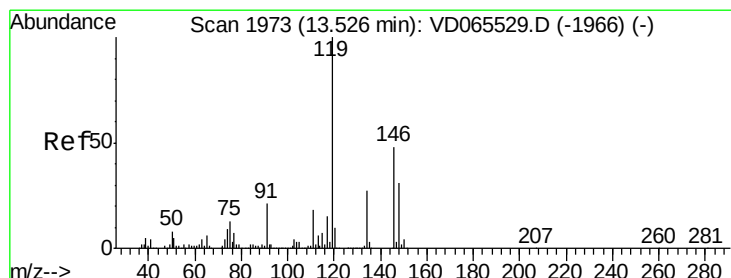
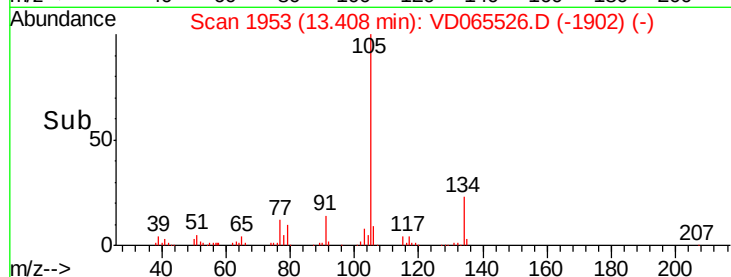
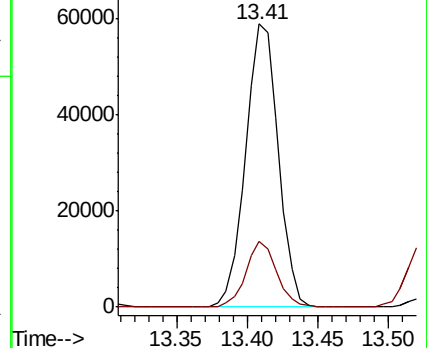
105 100

134 21.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.182 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

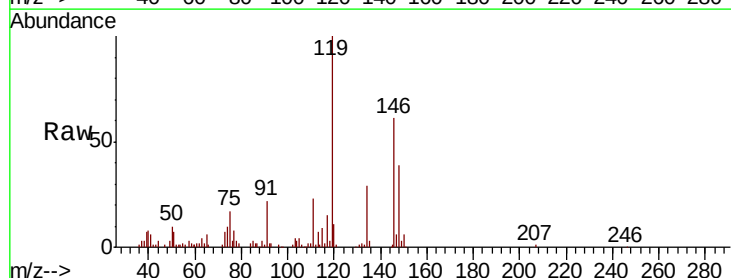
Tgt Ion:119 Resp: 82376

Ion Ratio Lower Upper

119 100

134 28.1 13.5 40.5

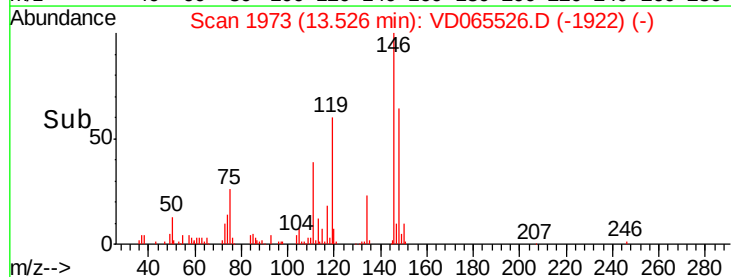
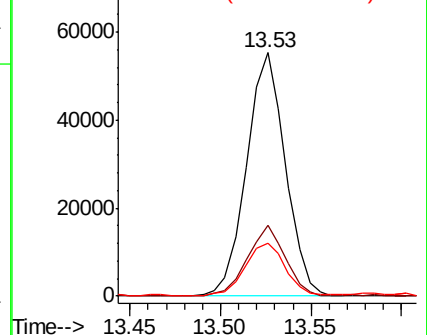
91 22.7 10.8 32.3

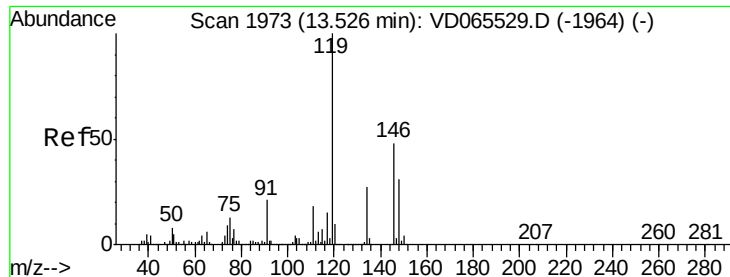


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.156 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

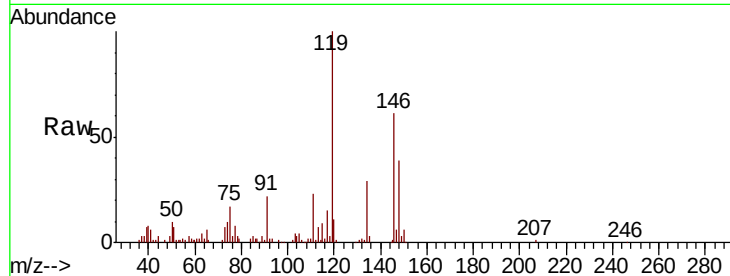
Tot Ion:146 Resp: 54101

Ion Ratio Lower Upper

146 100

111 38.7 18.5 55.5

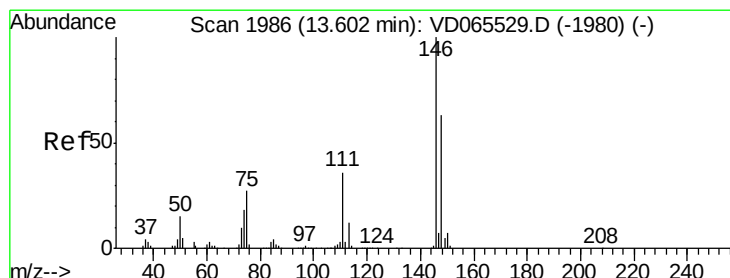
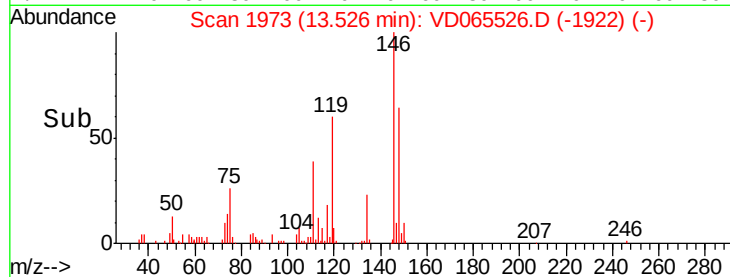
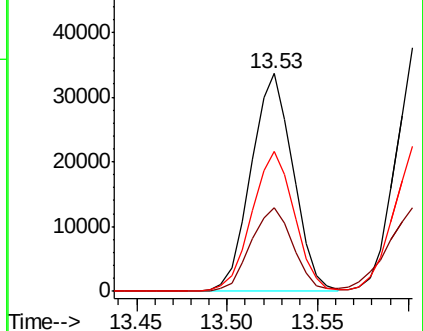
148 64.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.439 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065526.D

Acq: 26 Mar 2020 15:39

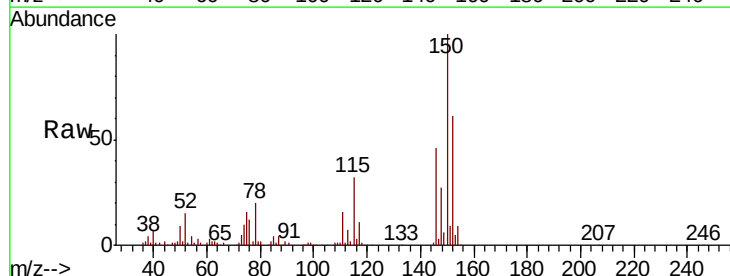
Tgt Ion:146 Resp: 56814

Ion Ratio Lower Upper

146 100

111 41.6 18.0 54.0

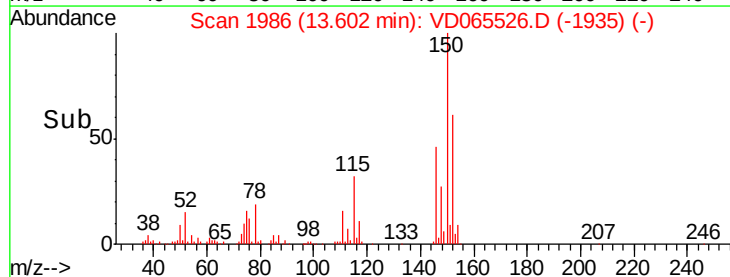
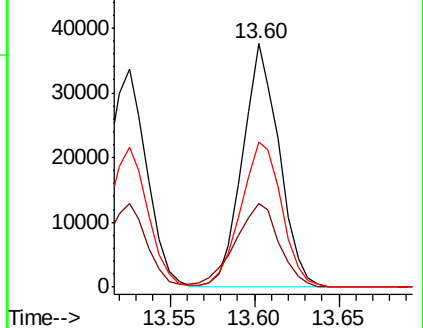
148 66.6 31.6 94.8

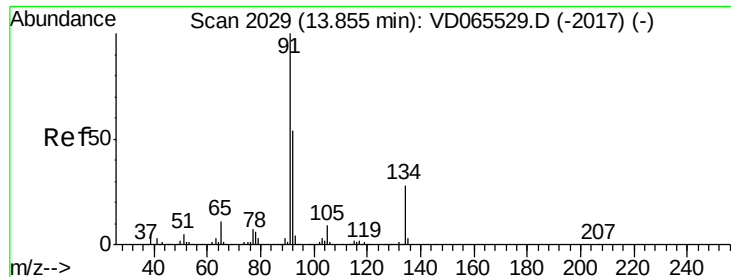


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

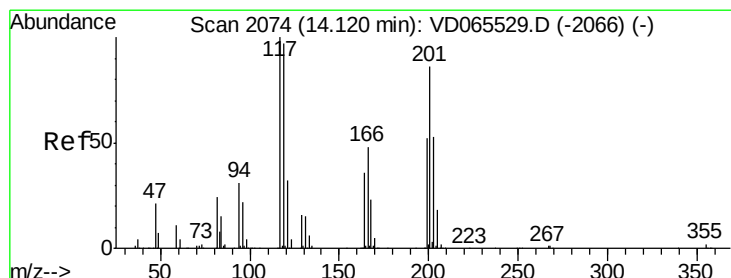
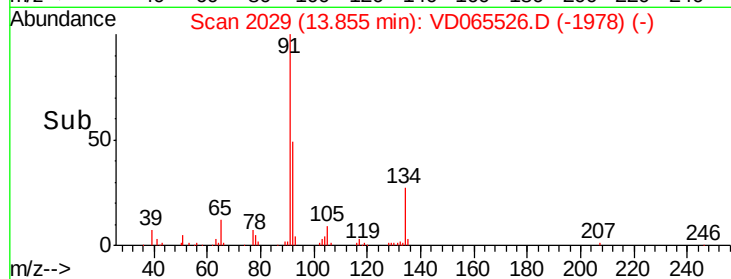
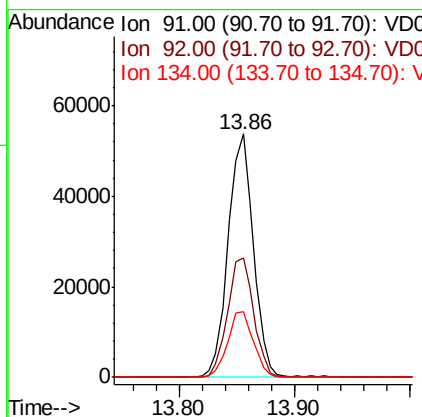
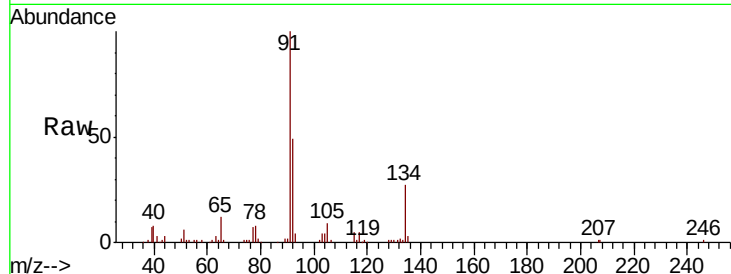




#89
n-Butylbenzene
Concen: 4.502 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

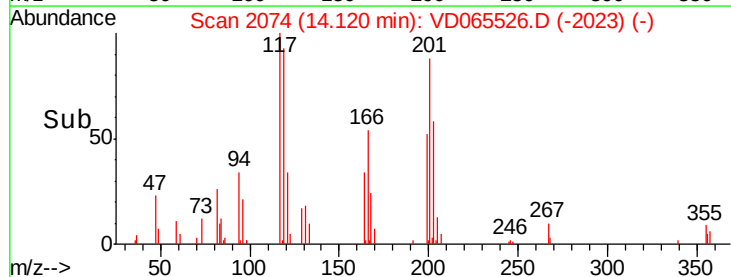
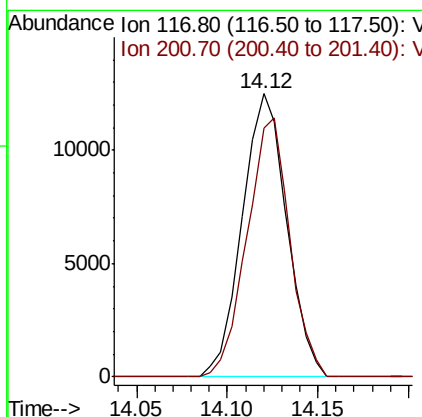
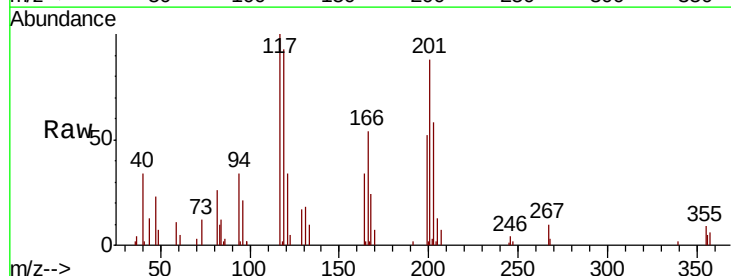
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

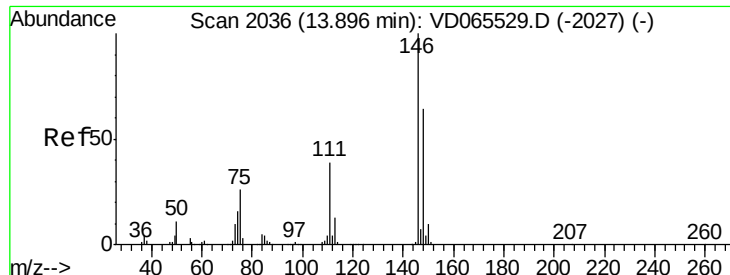
Tot Ion: 91 Resp: 81636
Ion Ratio Lower Upper
91 100
92 50.7 26.8 80.4
134 27.4 13.7 41.0



#90
Hexachloroethane
Concen: 5.248 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion: 117 Resp: 21302
Ion Ratio Lower Upper
117 100
201 87.8 43.9 131.6

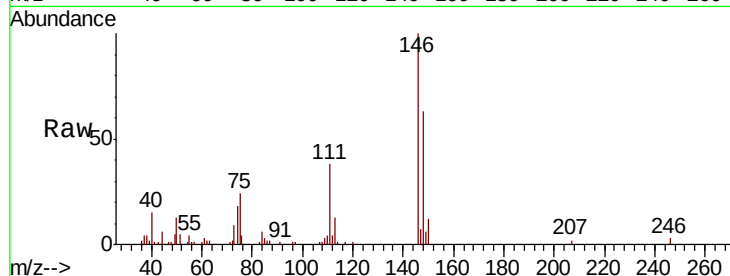




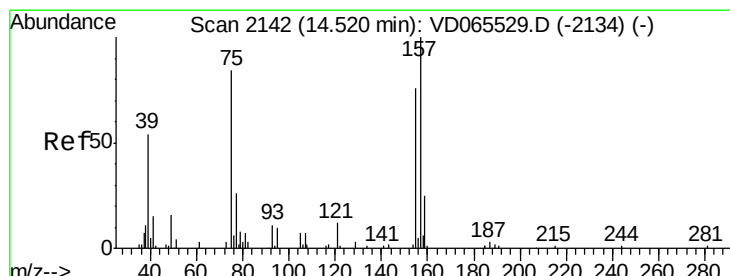
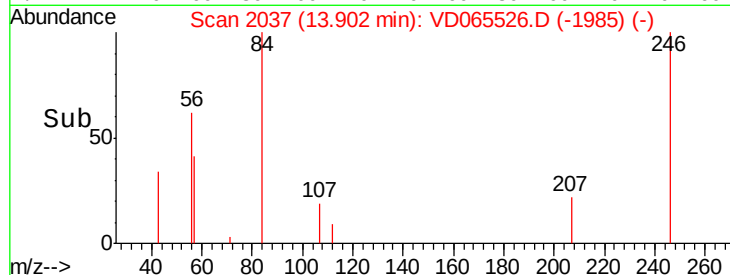
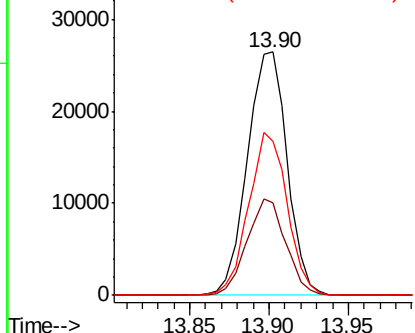
#91
 1,2-Dichlorobenzene
 Concen: 5.170 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 46166
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.4
 148 64.8 32.1 96.5

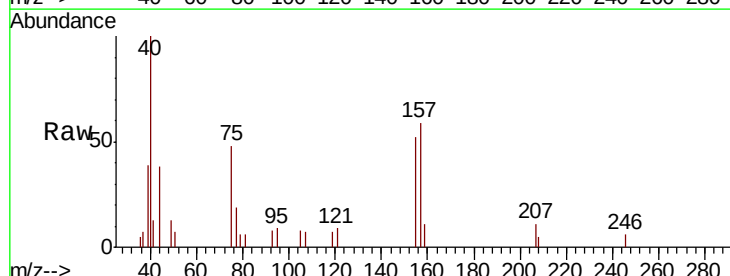


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

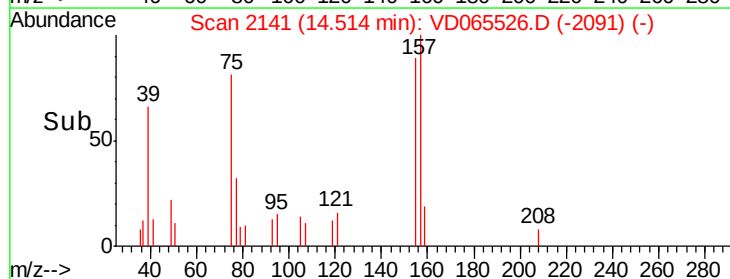
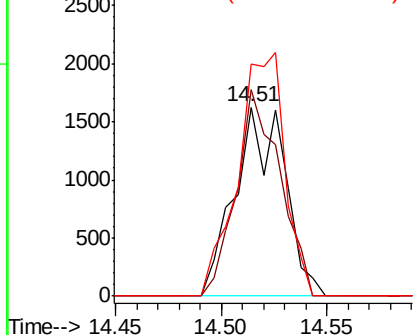


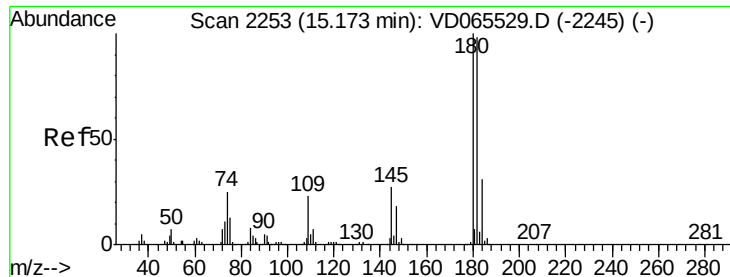
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.546 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion: 75 Resp: 2668
 Ion Ratio Lower Upper
 75 100
 155 95.6 46.2 138.6
 157 120.9 57.9 173.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

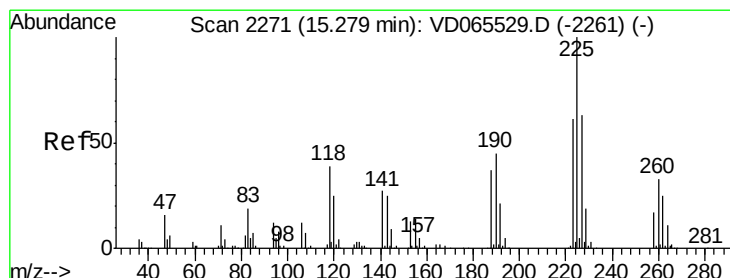
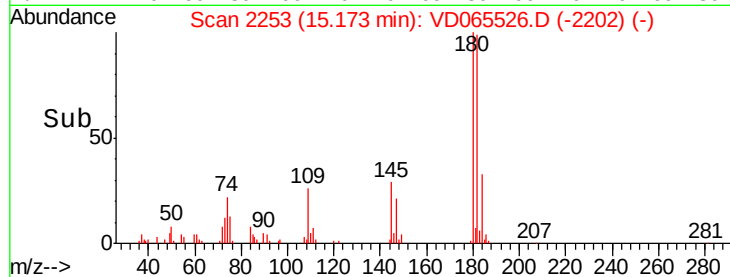
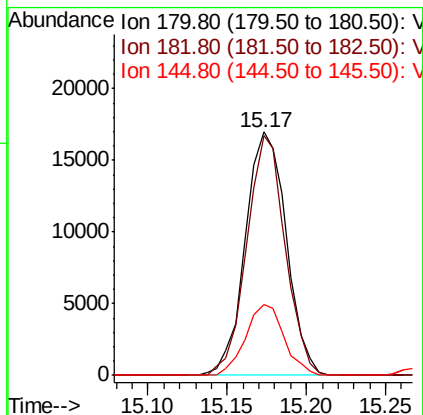
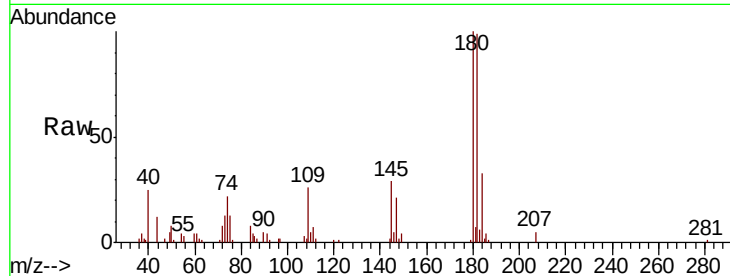




#93
 1,2,4-Trichlorobenzene
 Concen: 5.028 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

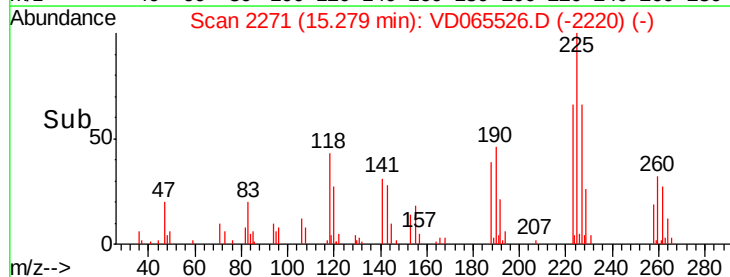
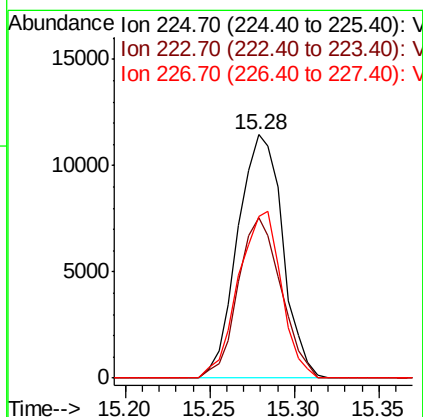
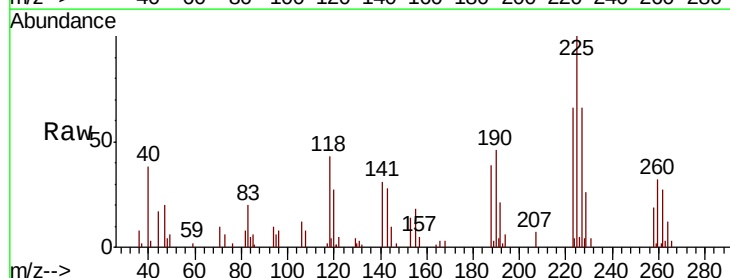
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

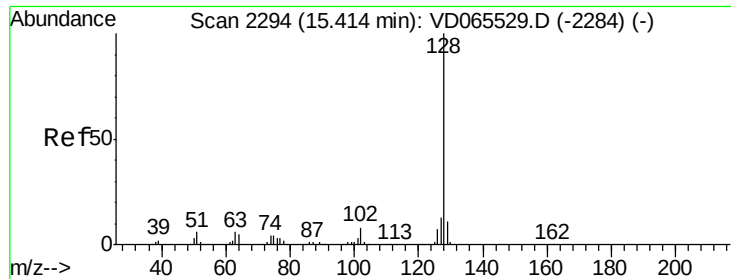
Tot Ion:180 Resp: 30482
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.1 144.3
 145 27.2 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 5.366 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065526.D
 Acq: 26 Mar 2020 15:39

Tgt Ion:225 Resp: 21243
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.2 93.6
 227 65.4 32.3 96.9

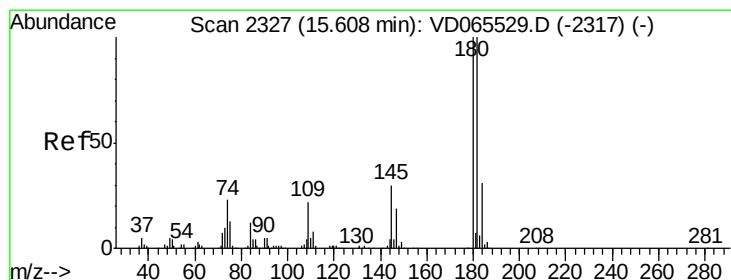
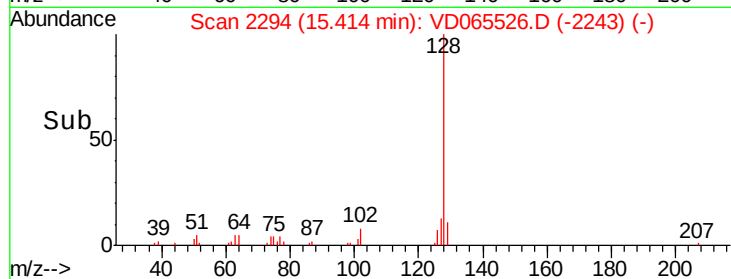
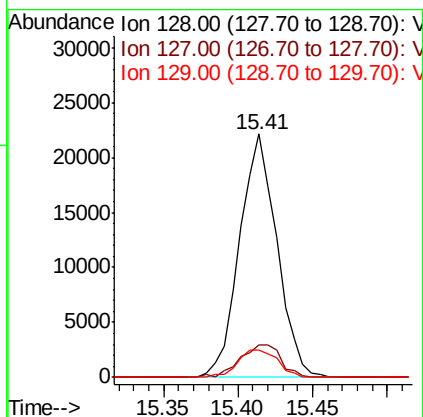
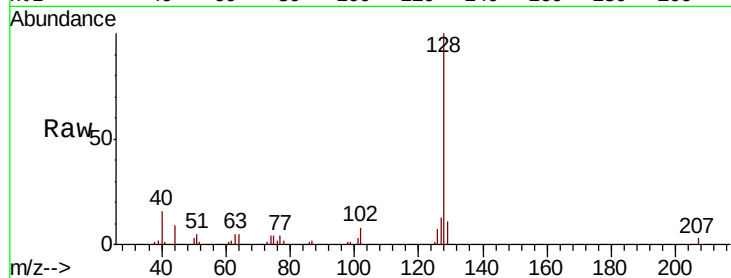




#95
Naphthalene
Concen: 3.969 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 38356
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.893 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065526.D
Acq: 26 Mar 2020 15:39

Tgt Ion:180 Resp: 25629
Ion Ratio Lower Upper
180 100
182 94.0 48.1 144.3
145 28.2 15.0 45.0

