

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065527.D
 Acq On : 26 Mar 2020 16:06
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 27 01:14:52 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	521893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	783817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	719188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	41571	9.35	ug/l	0.00
Spiked Amount			Recovery	=	18.70%	
35) Dibromofluoromethane	7.92	113	44605	9.25	ug/l	0.00
Spiked Amount			Recovery	=	18.50%	
50) Toluene-d8	10.34	98	163040	8.84	ug/l	0.00
Spiked Amount			Recovery	=	17.68%	
62) 4-Bromofluorobenzene	12.64	95	50739	8.88	ug/l	0.00
Spiked Amount			Recovery	=	17.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	38681	9.112	ug/l	100
3) Chloromethane	2.21	50	50210	9.572	ug/l	100
4) Vinyl Chloride	2.35	62	50733	9.772	ug/l	100
5) Bromomethane	2.77	94	37555	11.085	ug/l	99
6) Chloroethane	2.93	64	32358	10.085	ug/l	97
7) Trichlorofluoromethane	3.27	101	75912	9.855	ug/l	95
8) Diethyl Ether	3.70	74	22628	9.755	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	48358	9.679	ug/l	96
10) Methyl Iodide	4.29	142	50111	9.543	ug/l	99
11) Tert butyl alcohol	5.26	59	12858	50.413	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	45913	9.626	ug/l	87
13) Acrolein	3.93	56	18885	42.240	ug/l	96
14) Allyl chloride	4.71	41	67048	9.179	ug/l	98
15) Acrylonitrile	5.43	53	43429	43.289	ug/l	99
16) Acetone	4.17	43	42774	47.877	ug/l	98
17) Carbon Disulfide	4.40	76	154007	9.732	ug/l	98
18) Methyl Acetate	4.73	43	20027	8.809	ug/l #	72
19) Methyl tert-butyl Ether	5.48	73	80566	8.715	ug/l	93
20) Methylene Chloride	4.97	84	73467	13.192	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	51965	9.774	ug/l	93
22) Diisopropyl ether	6.37	45	126395	9.231	ug/l	95
23) Vinyl Acetate	6.31	43	317995	41.895	ug/l	99
24) 1,1-Dichloroethane	6.27	63	85067	9.723	ug/l	98
25) 2-Butanone	7.23	43	51732	42.438	ug/l	98
26) 2,2-Dichloropropane	7.21	77	75245	9.786	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	52800	9.698	ug/l	99
28) Bromochloromethane	7.55	49	35135	9.931	ug/l	100
29) Tetrahydrofuran	7.57	42	32687	41.998	ug/l	96
30) Chloroform	7.71	83	87924	10.012	ug/l	98
31) Cyclohexane	7.99	56	83478	9.580	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	77661	9.585	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68501	9.254	ug/l	100
37) Ethyl Acetate	7.30	43	26315	9.141	ug/l	100
38) Carbon Tetrachloride	8.10	117	73571	9.553	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75593	8.492	ug/l	96
40) Benzene	8.36	78	198013	9.548	ug/l	98
41) Methacrylonitrile	7.54	41	12430	7.973	ug/l #	39
42) 1,2-Dichloroethane	8.43	62	53423	9.802	ug/l	98
43) Isopropyl Acetate	8.46	43	44787	8.450	ug/l	98
44) Trichloroethene	9.11	130	57589	9.808	ug/l	100
45) 1,2-Dichloropropane	9.39	63	47717	9.481	ug/l	95
46) Dibromomethane	9.48	93	25013	9.567	ug/l	99
47) Bromodichloromethane	9.66	83	67045	9.854	ug/l	94
48) Methyl methacrylate	9.46	41	19381	7.745	ug/l	99
49) 1,4-Dioxane	9.47	88	4834	160.593	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	110525	41.302	ug/l	100
52) Toluene	10.41	92	121115	9.254	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	56997	8.955	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	71958	9.349	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	35765	9.605	ug/l	97
56) Ethyl methacrylate	10.67	69	32546	7.764	ug/l	94
57) 1,3-Dichloropropane	10.95	76	58966	9.370	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	83940	54.786	ug/l	99
59) 2-Hexanone	10.99	43	75168	40.692	ug/l	93
60) Dibromochloromethane	11.14	129	46798	9.786	ug/l	98
61) 1,2-Dibromoethane	11.25	107	34053	9.552	ug/l	98
64) Tetrachloroethene	10.88	164	51275	10.011	ug/l	86
65) Chlorobenzene	11.67	112	138420	9.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	49587	9.584	ug/l	100
67) Ethyl Benzene	11.75	91	216405	8.899	ug/l	98
68) m/p-Xylenes	11.86	106	172553	18.385	ug/l	99
69) o-Xylene	12.18	106	73638	8.915	ug/l	97
70) Styrene	12.20	104	128560	8.813	ug/l	100
71) Bromoform	12.37	173	27554	9.460	ug/l #	99
73) Isopropylbenzene	12.48	105	199451	8.573	ug/l	99
74) N-amyl acetate	12.30	43	36682	7.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	37649	9.160	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	45767	15.943	ug/l #	100
77) Bromobenzene	12.77	156	54591	9.349	ug/l	99
78) n-propylbenzene	12.83	91	238410	8.607	ug/l	100
79) 2-Chlorotoluene	12.91	91	141118	9.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	165913	8.668	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11005	8.265	ug/l	93
82) 4-Chlorotoluene	13.01	91	152869	9.307	ug/l	100
83) tert-Butylbenzene	13.23	119	134120	8.264	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	166301	8.791	ug/l	100
85) sec-Butylbenzene	13.41	105	199315	8.638	ug/l	100
86) p-Isopropyltoluene	13.53	119	182564	8.661	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	108387	9.651	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	109313	9.778	ug/l	97
89) n-Butylbenzene	13.85	91	163727	8.437	ug/l	98
90) Hexachloroethane	14.13	117	41215	9.486	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	89136	9.326	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5741	9.140	ug/l	96

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Response via : Initial Calibration

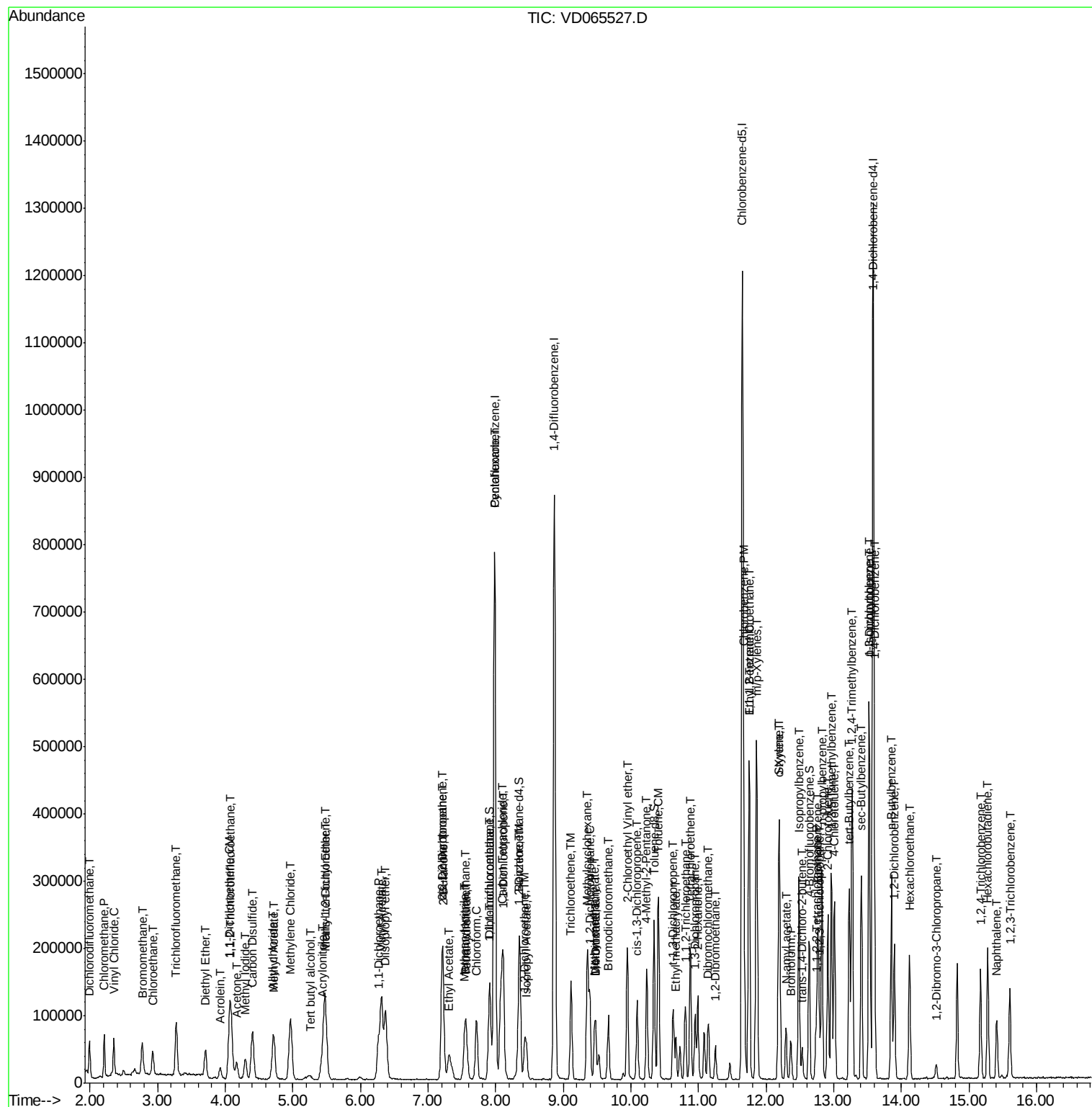
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57395	8.845	ug/l	99
94) Hexachlorobutadiene	15.28	225	40828	9.636	ug/l	100
95) Naphthalene	15.41	128	76398	7.387	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	48690	8.686	ug/l	98

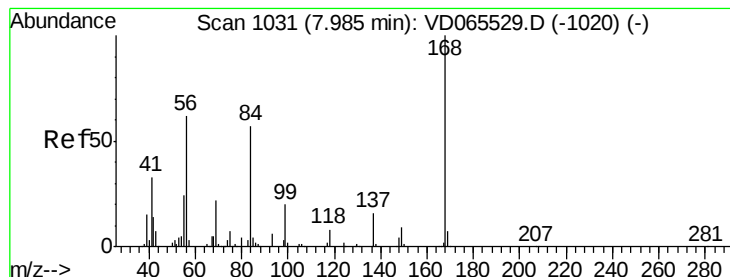
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

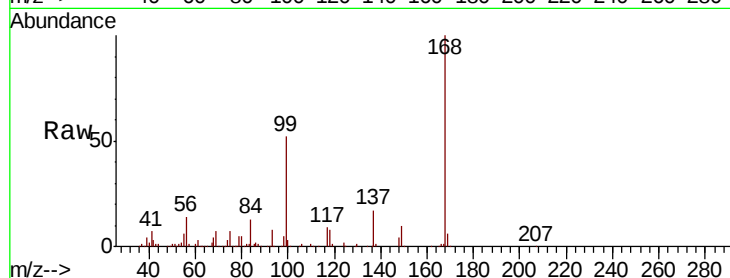
VSTDIC010

Tot Ion:168 Resp: 521893

Ion Ratio Lower Upper

168 100

99 51.9 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

250000

200000

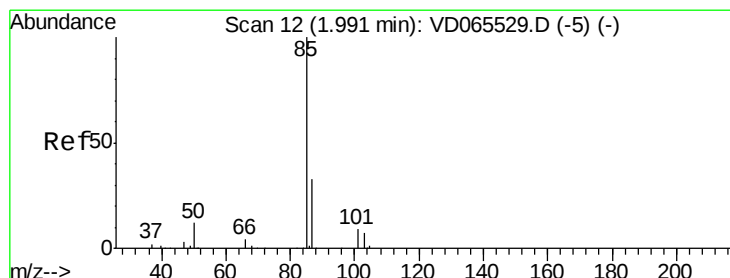
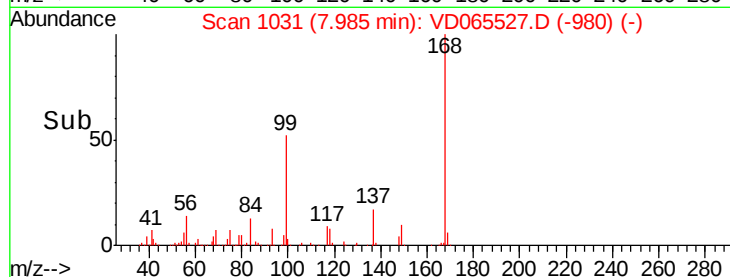
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.112 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065527.D

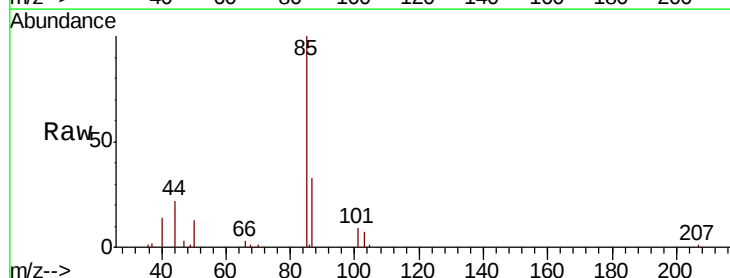
Acq: 26 Mar 2020 16:06

Tgt Ion: 85 Resp: 38681

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

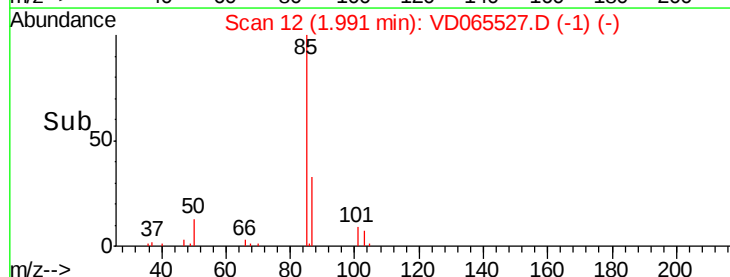
30000

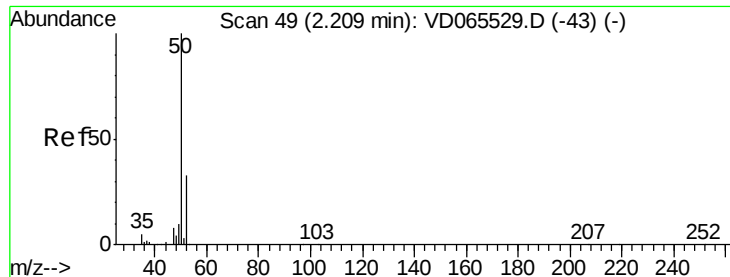
20000

10000

0

Time-->





#3

Chloromethane

Concen: 9.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

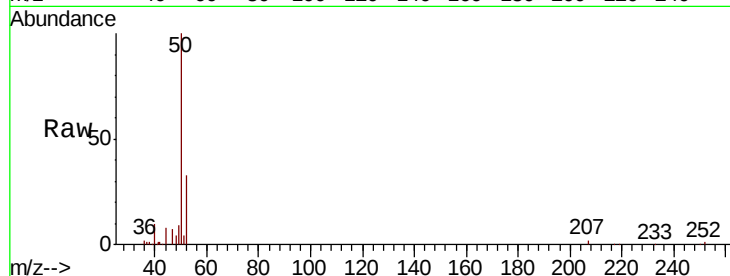
VSTDIC010

Tot Ion: 50 Resp: 50210

Ion Ratio Lower Upper

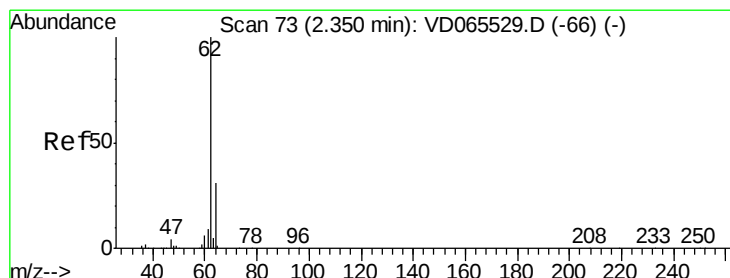
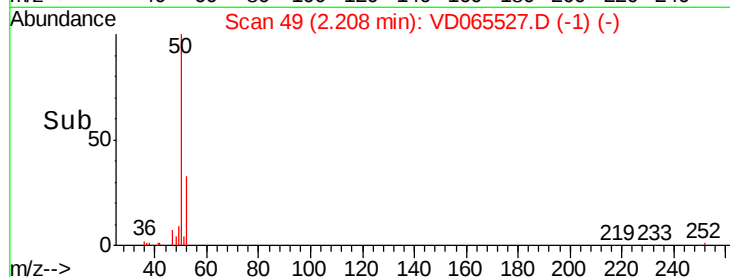
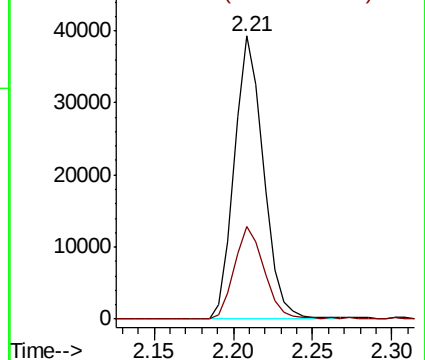
50 100

52 32.8 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: 9.772 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065527.D

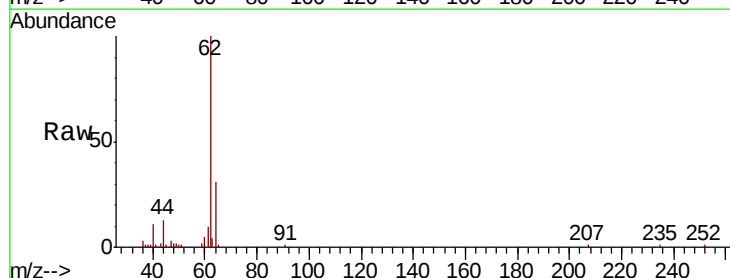
Acq: 26 Mar 2020 16:06

Tgt Ion: 62 Resp: 50733

Ion Ratio Lower Upper

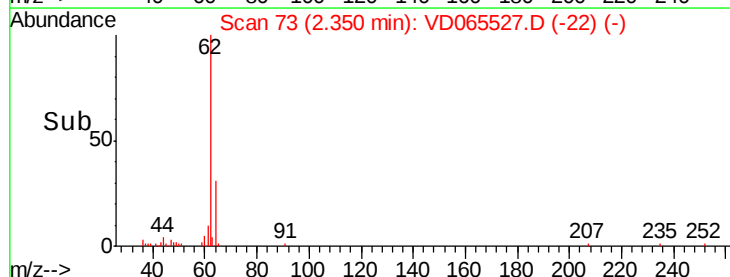
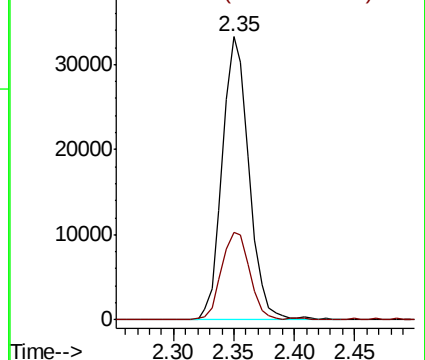
62 100

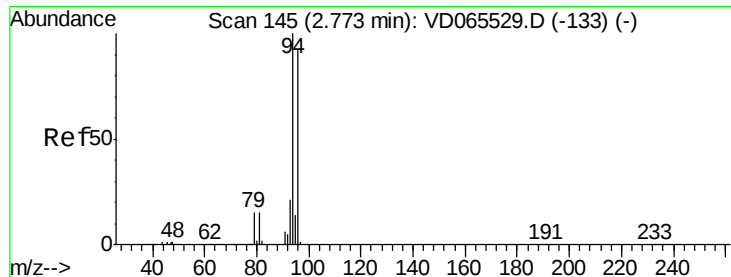
64 30.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 11.085 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

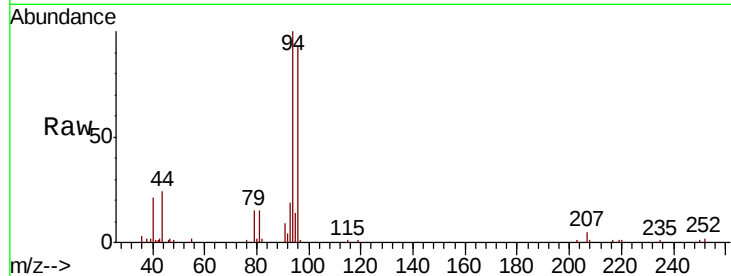
VSTDIC010

Tot Ion: 94 Resp: 37555

Ion Ratio Lower Upper

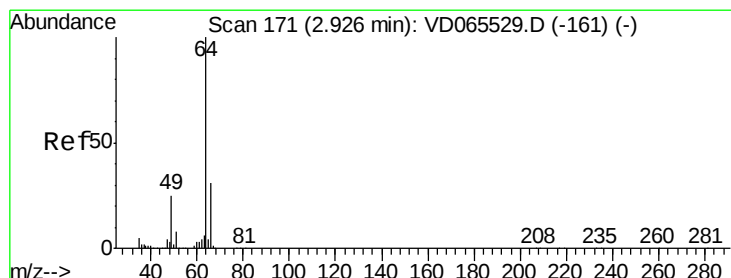
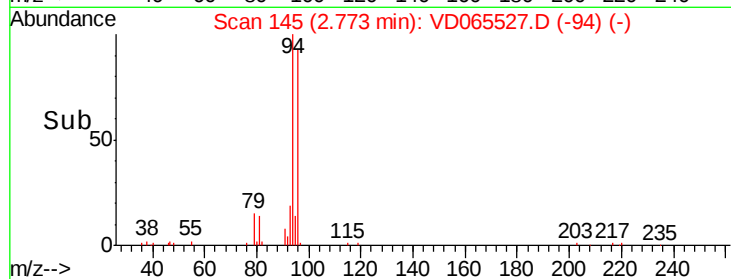
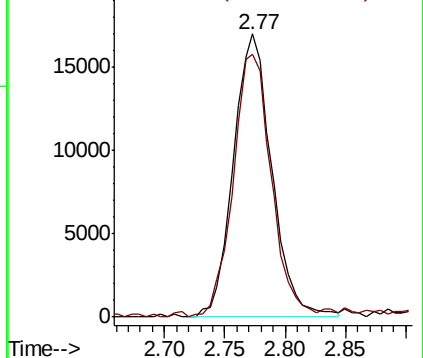
94 100

96 92.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.085 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065527.D

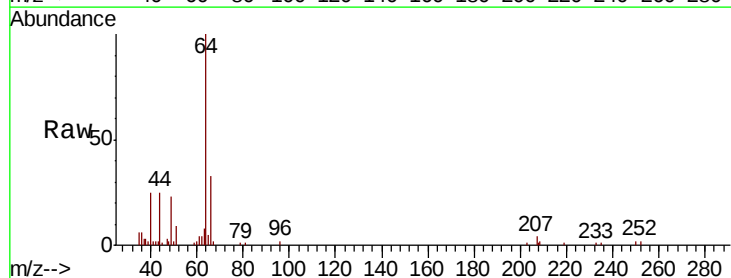
Acq: 26 Mar 2020 16:06

Tgt Ion: 64 Resp: 32358

Ion Ratio Lower Upper

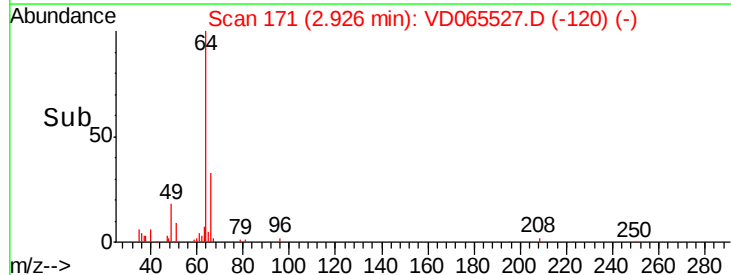
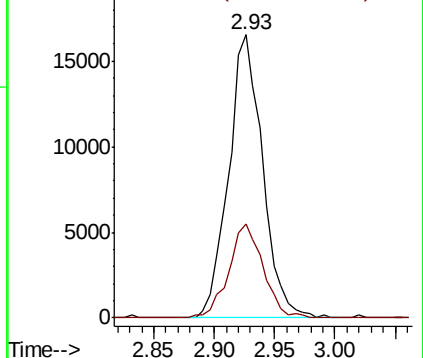
64 100

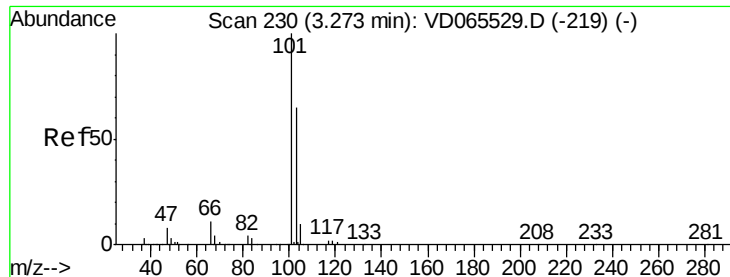
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 9.855 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

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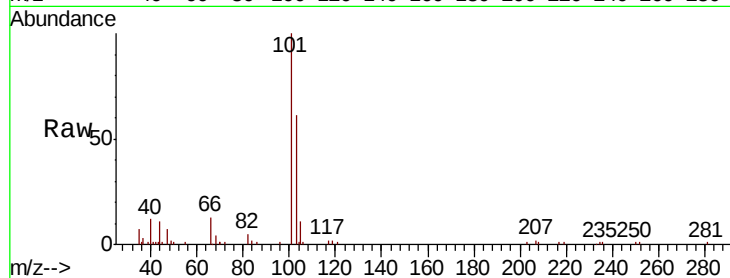
VSTDIC010

Tot Ion:101 Resp: 75912

Ion Ratio Lower Upper

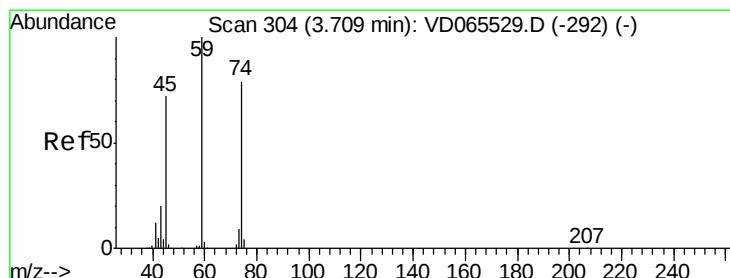
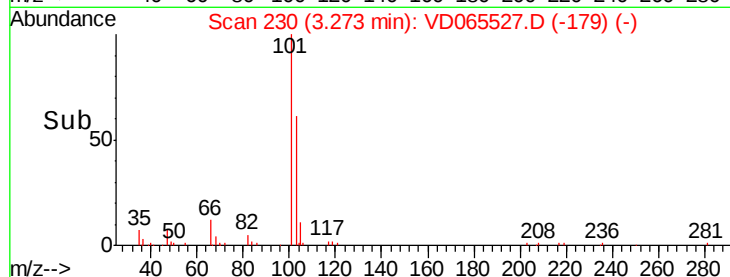
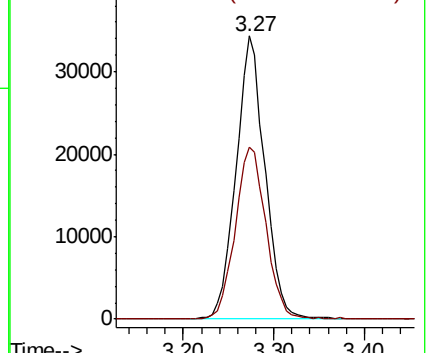
101 100

103 60.8 51.9 77.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 9.755 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065527.D

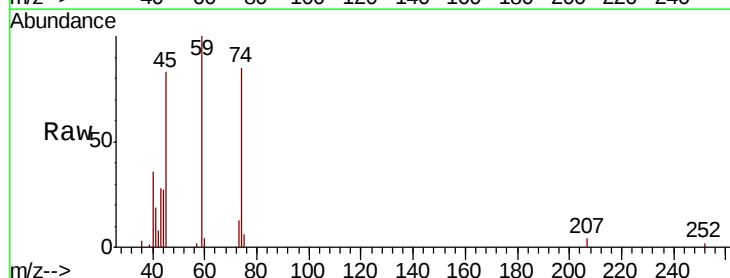
Acq: 26 Mar 2020 16:06

Tgt Ion: 74 Resp: 22628

Ion Ratio Lower Upper

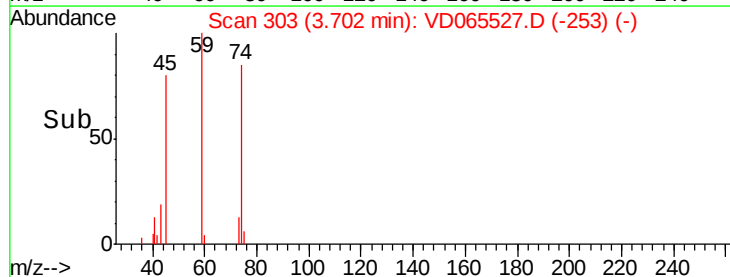
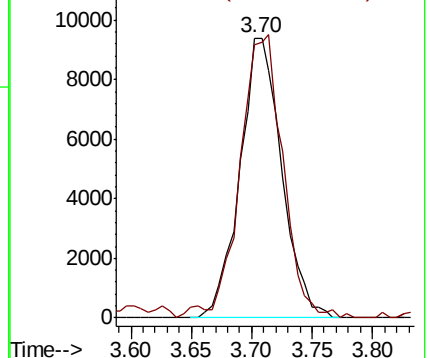
74 100

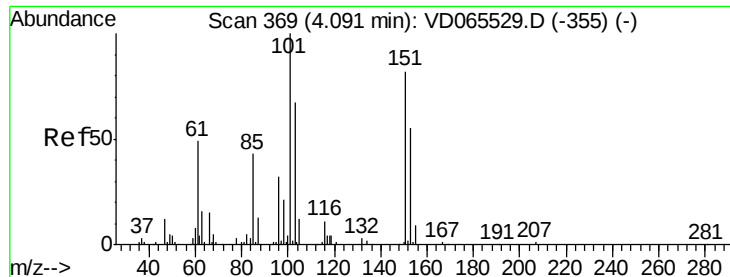
45 104.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.679 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

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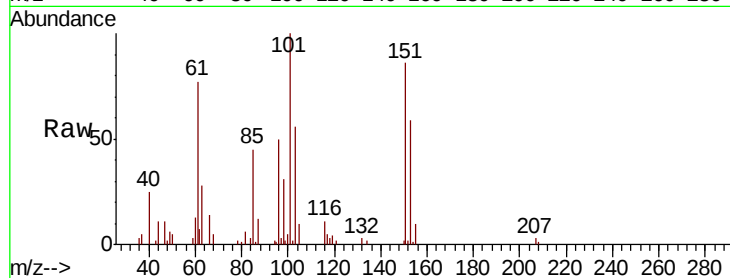
Tot Ion:101 Resp: 48358

Ion Ratio Lower Upper

101 100

85 44.1 32.6 48.8

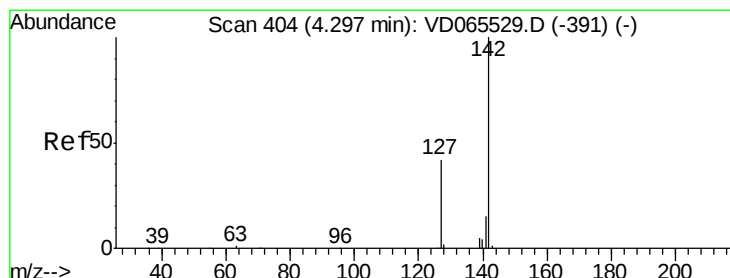
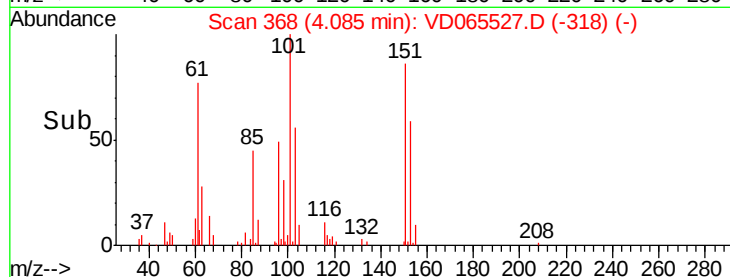
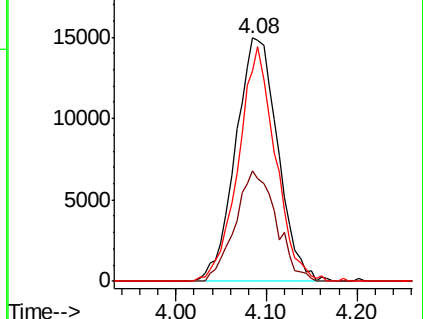
151 84.4 65.5 98.3



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: 9.543 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

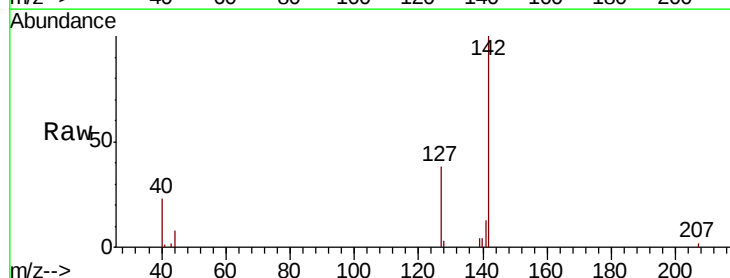
Tgt Ion:142 Resp: 50111

Ion Ratio Lower Upper

142 100

127 41.7 33.9 50.9

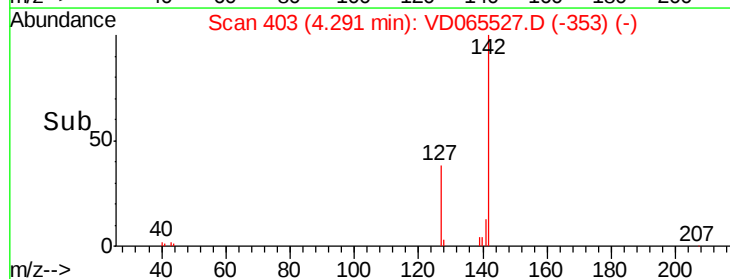
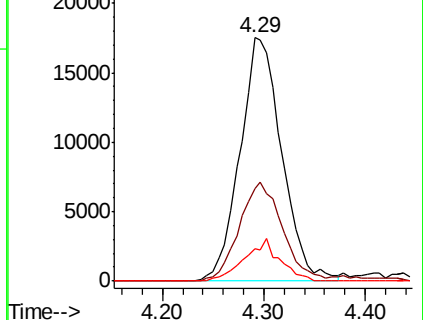
141 14.5 11.6 17.4

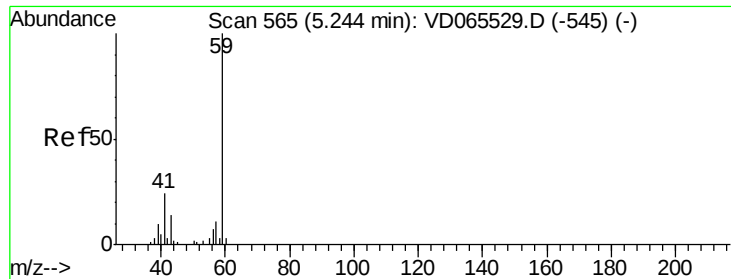


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



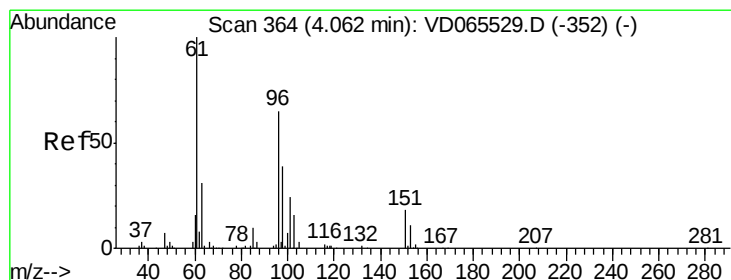
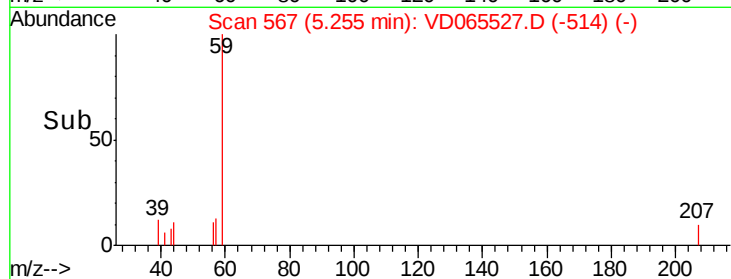
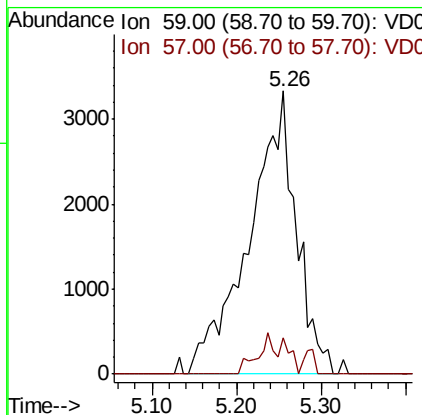
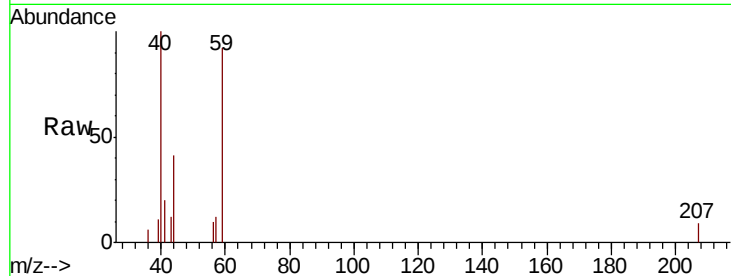


#11

Tert butyl alcohol
 Concen: 50.413 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

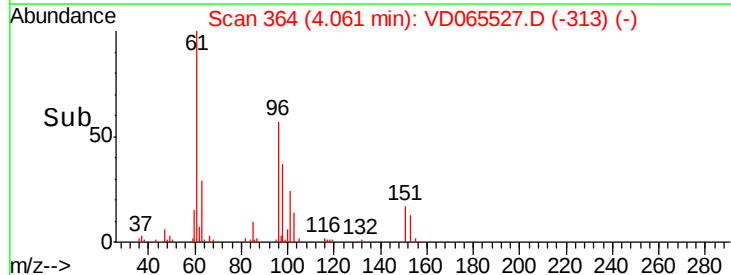
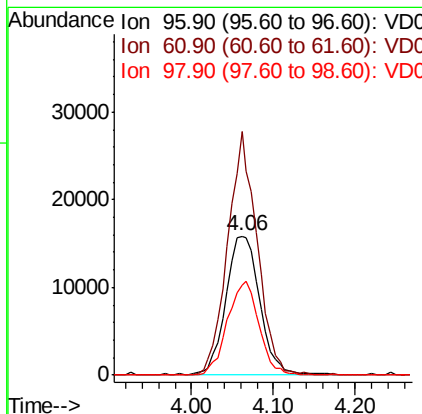
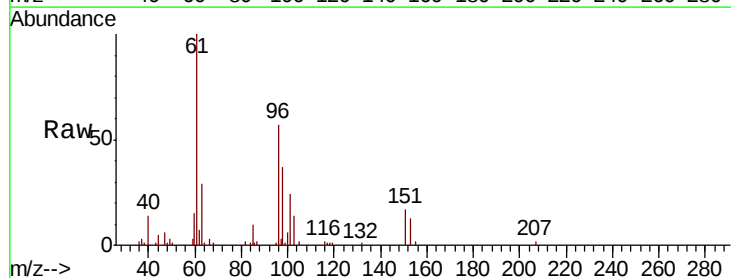
Tot Ion: 59 Resp: 12858
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.1 12.1#

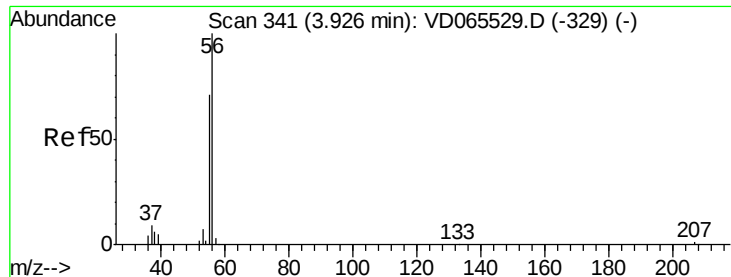


#12

1,1-Dichloroethene
 Concen: 9.626 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 96 Resp: 45913
 Ion Ratio Lower Upper
 96 100
 61 175.2 124.0 186.0
 98 65.1 48.2 72.4





#13

Acrolein

Concen: 42.240 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

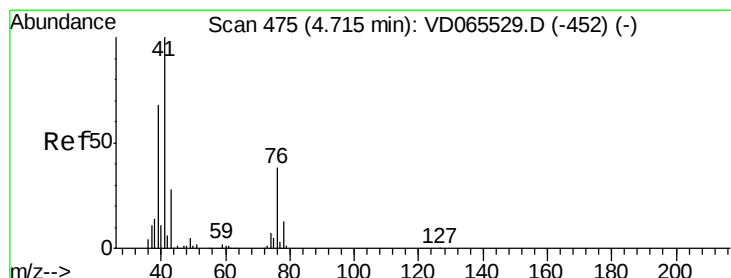
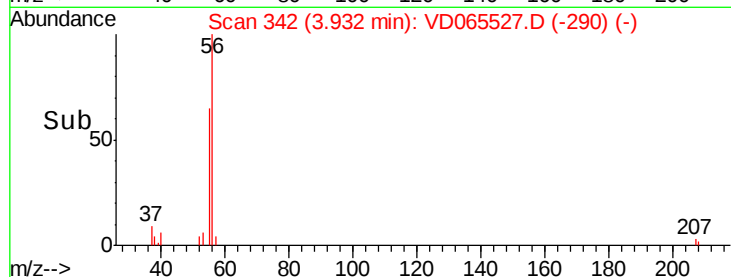
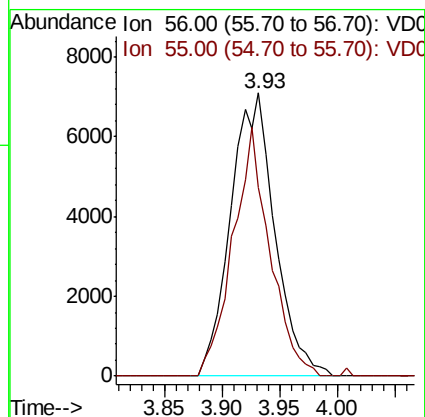
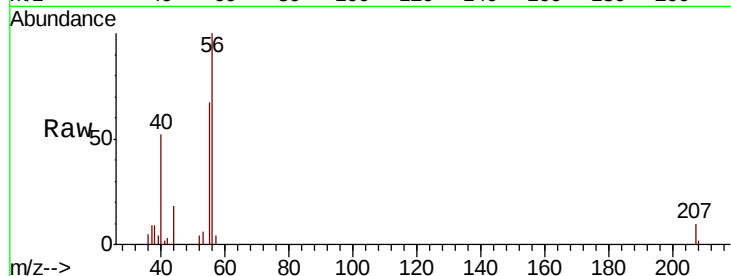
VSTDIC010

Tot Ion: 56 Resp: 18885

Ion Ratio Lower Upper

56 100

55 73.6 56.2 84.2



#14

Allyl chloride

Concen: 9.179 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

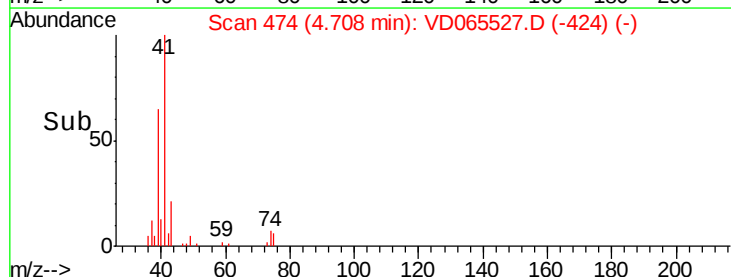
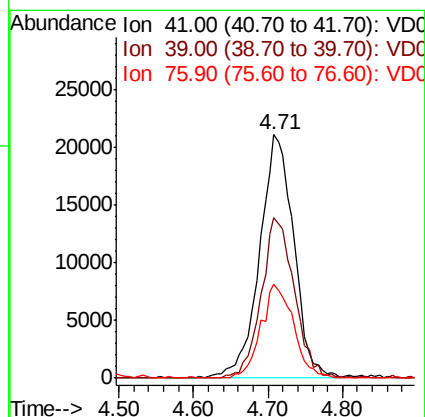
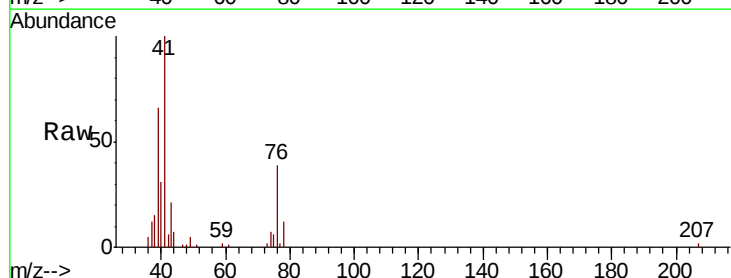
Tgt Ion: 41 Resp: 67048

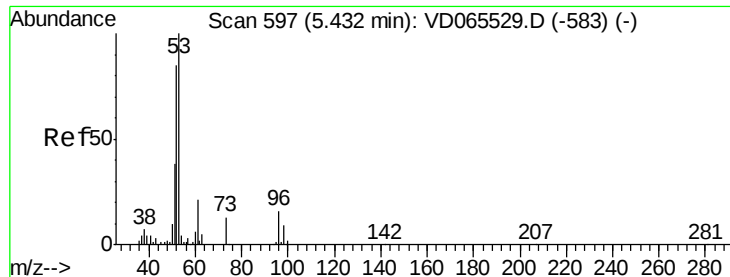
Ion Ratio Lower Upper

41 100

39 63.8 52.9 79.3

76 36.6 28.9 43.3





#15

Acrylonitrile

Concen: 43.289 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

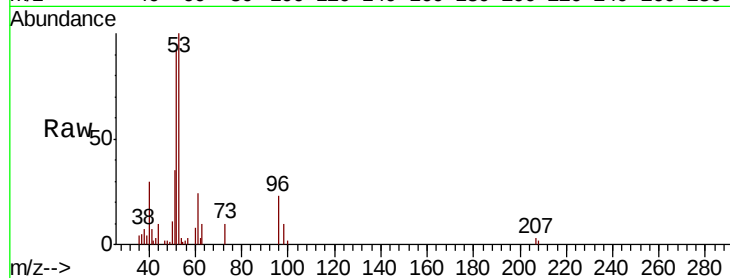
Tot Ion: 53 Resp: 43429

Ion Ratio Lower Upper

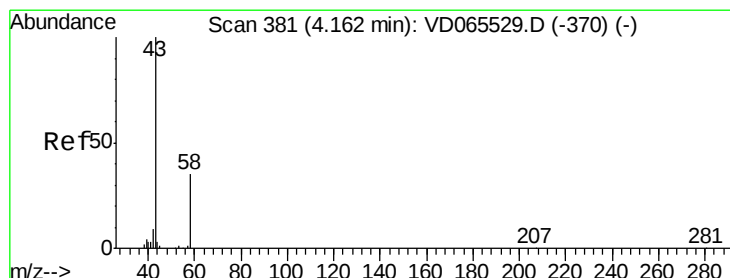
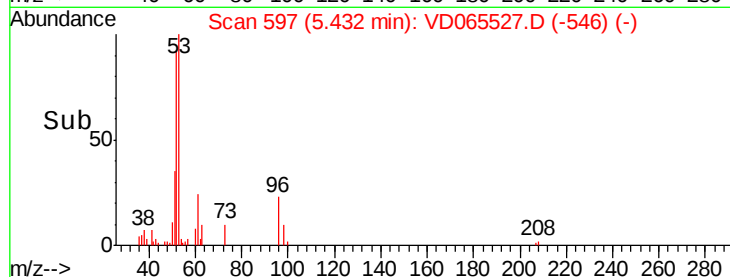
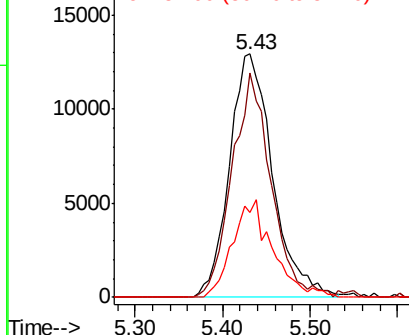
53 100

52 83.1 65.8 98.6

51 36.0 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: 47.877 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065527.D

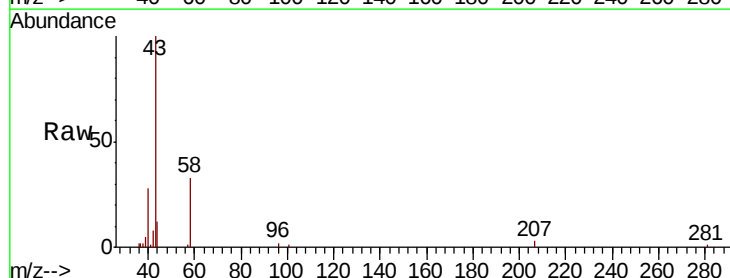
Acq: 26 Mar 2020 16:06

Tgt Ion: 43 Resp: 42774

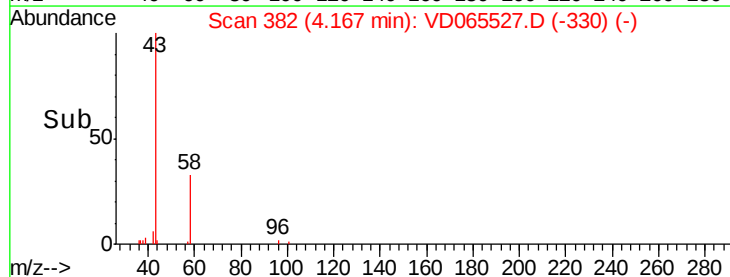
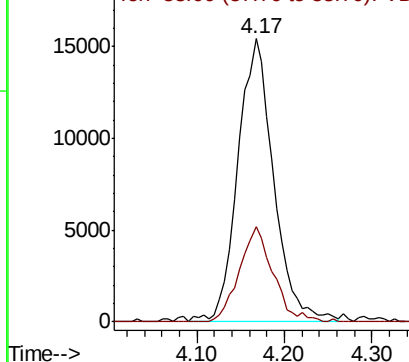
Ion Ratio Lower Upper

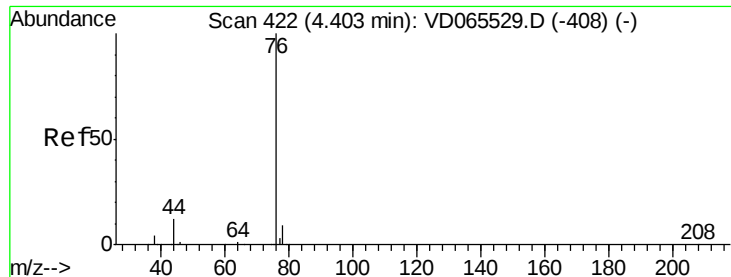
43 100

58 33.5 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: 9.732 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

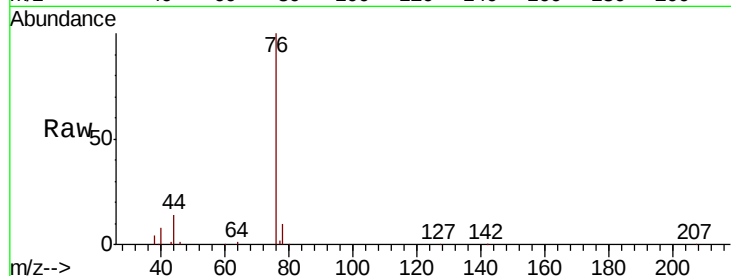
VSTDIC010

Tot Ion: 76 Resp: 154007

Ion Ratio Lower Upper

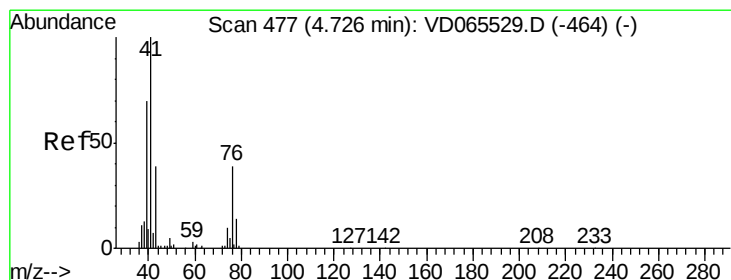
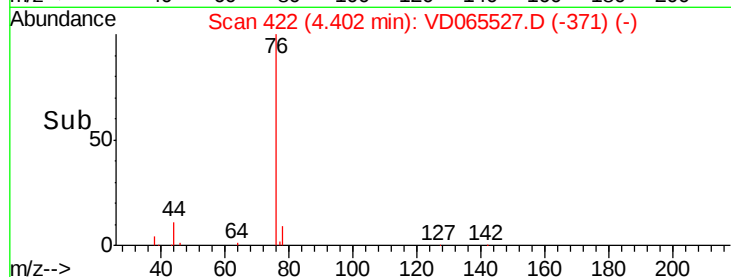
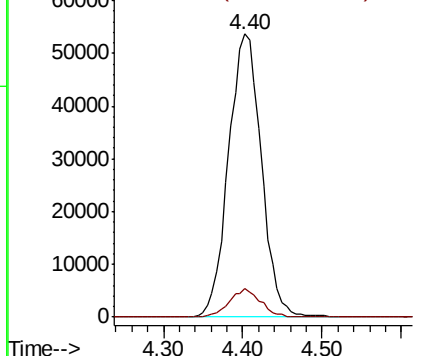
76 100

78 10.1 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: 8.809 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065527.D

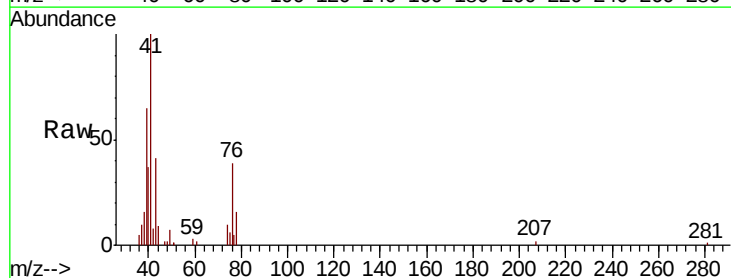
Acq: 26 Mar 2020 16:06

Tgt Ion: 43 Resp: 20027

Ion Ratio Lower Upper

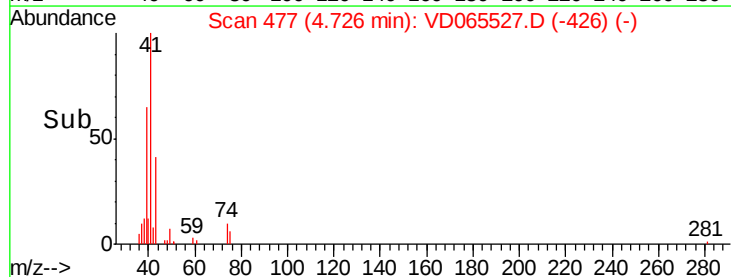
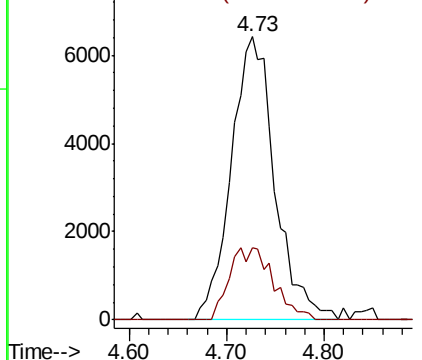
43 100

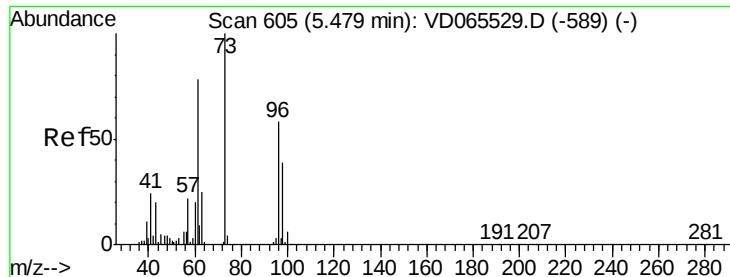
74 11.1 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



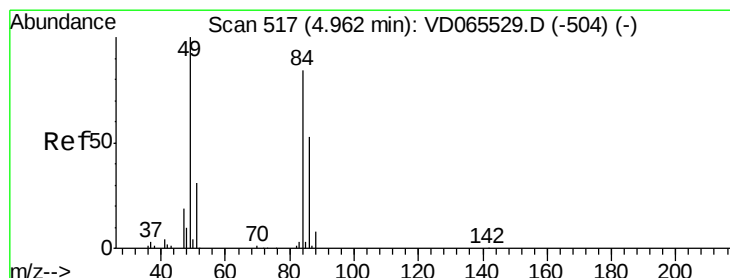
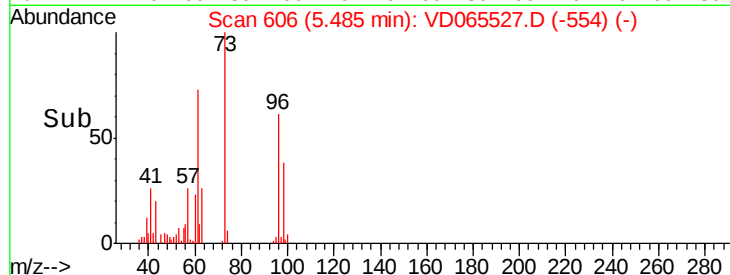
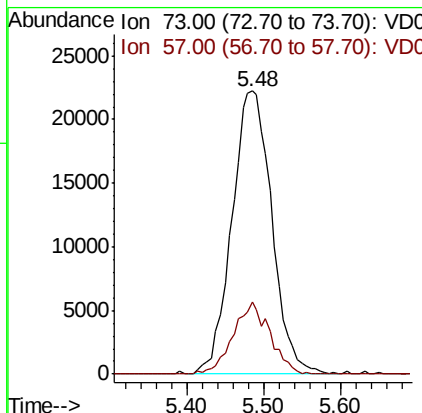
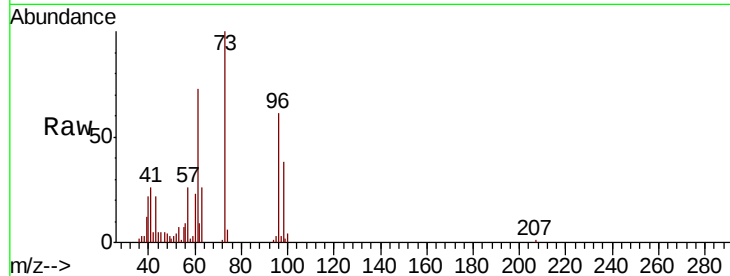


#19

Methyl tert-butyl Ether
 Concen: 8.715 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

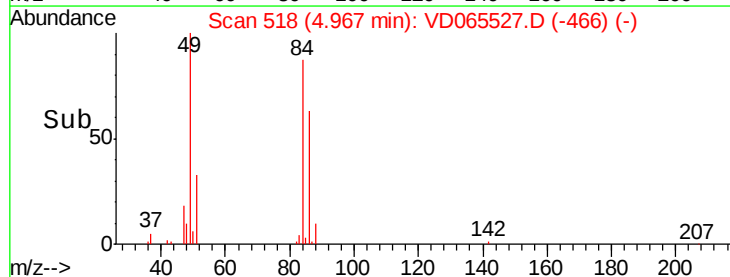
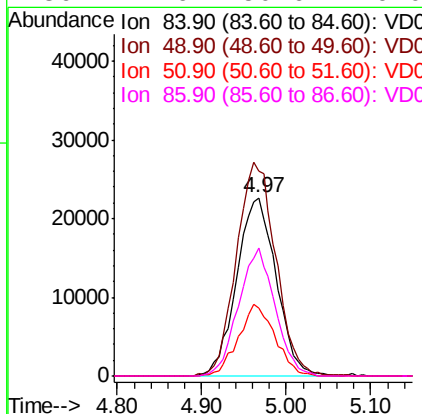
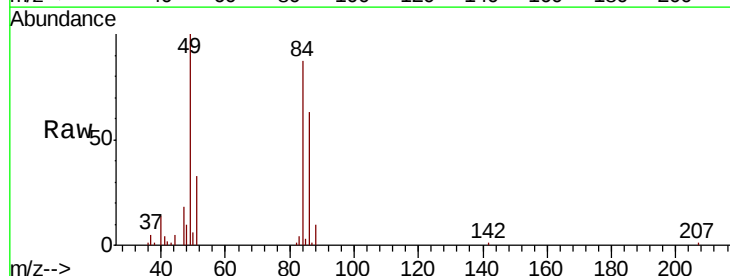
Tot Ion: 73 Resp: 80566
 Ion Ratio Lower Upper
 73 100
 57 25.5 17.7 26.5

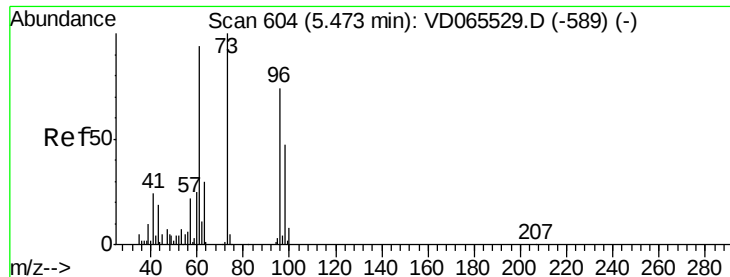


#20

Methylene Chloride
 Concen: 13.192 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 84 Resp: 73467
 Ion Ratio Lower Upper
 84 100
 49 114.5 95.6 143.4
 51 38.0 29.4 44.2
 86 71.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 9.774 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

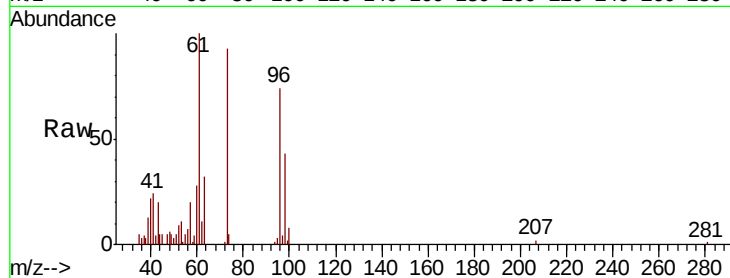
Tot Ion: 96 Resp: 51965

Ion Ratio Lower Upper

96 100

61 134.8 101.8 152.6

98 58.5 51.4 77.2

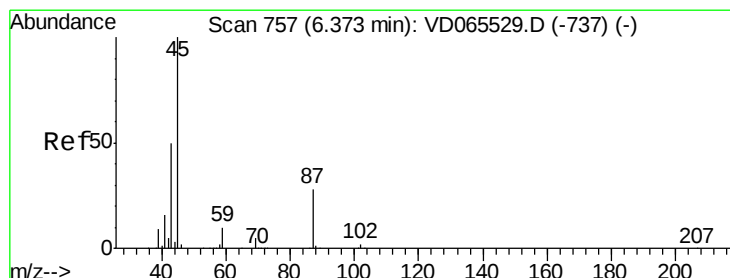
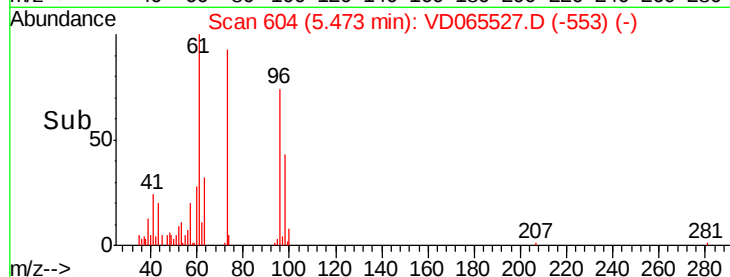
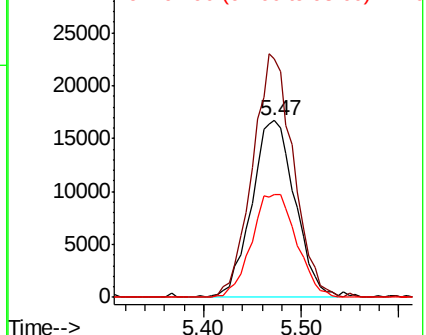


Abundance

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: 9.231 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Tgt Ion: 45 Resp: 126395

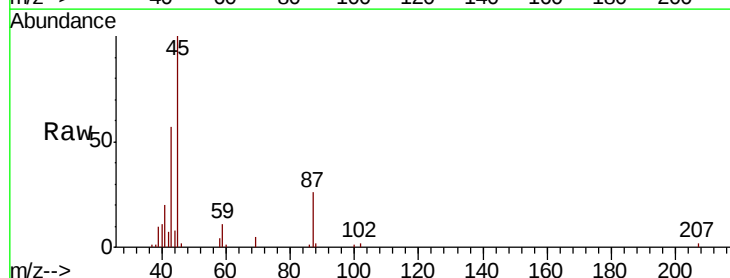
Ion Ratio Lower Upper

45 100

43 55.6 40.5 60.7

87 26.4 22.5 33.7

59 11.0 8.6 12.8



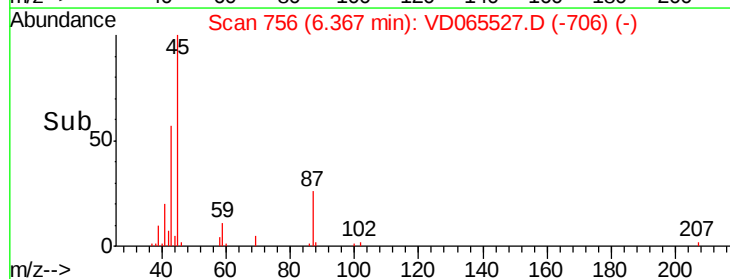
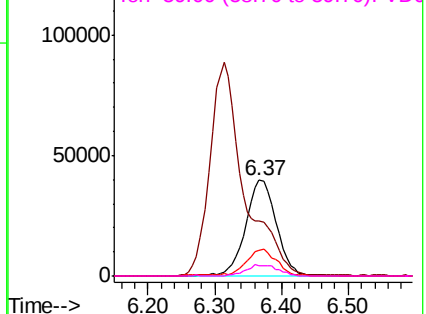
Abundance

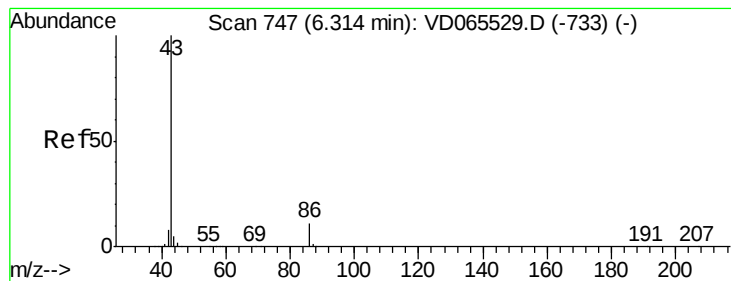
Ion 45.00 (44.70 to 45.70): VDC

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: 41.895 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

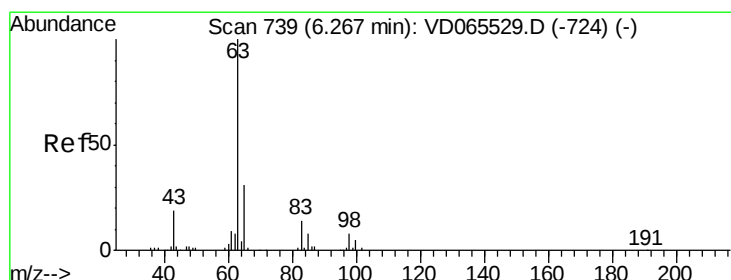
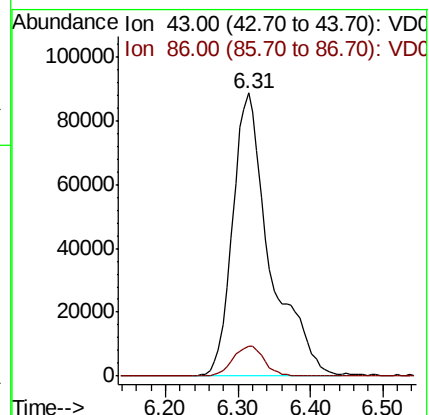
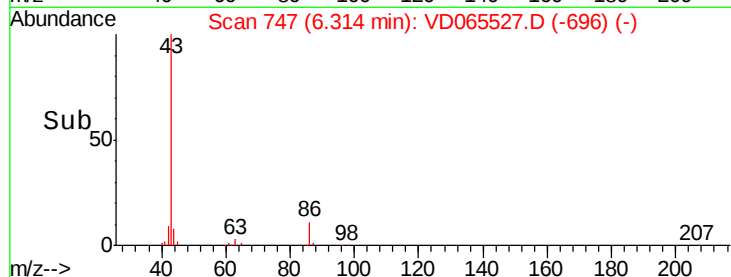
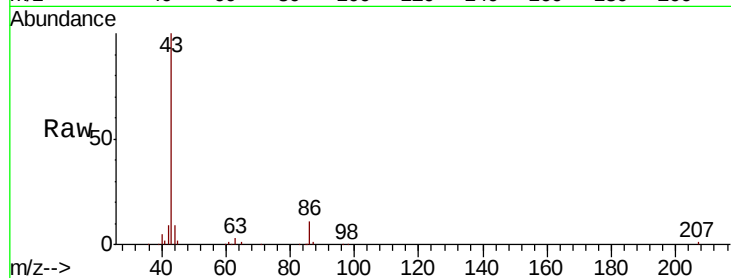
VSTDIC010

Tot Ion: 43 Resp: 317995

Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.4



#24

1,1-Dichloroethane

Concen: 9.723 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

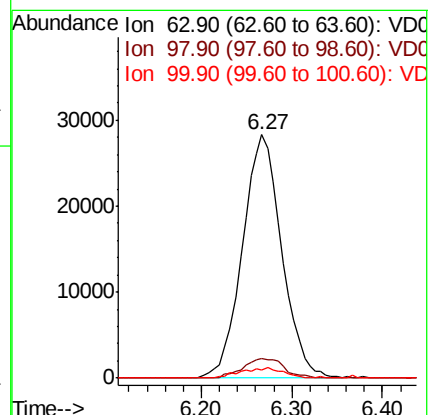
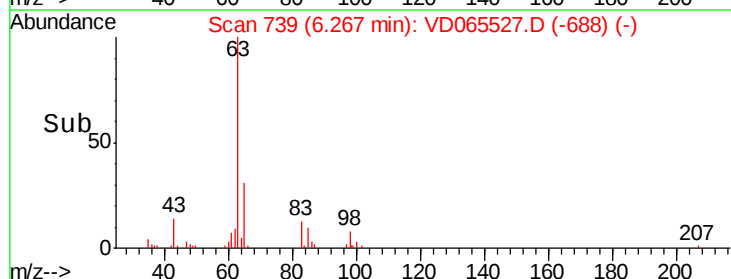
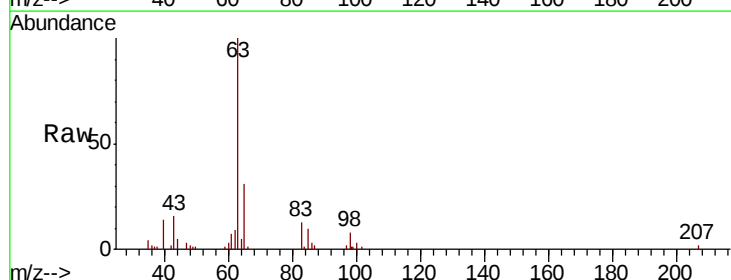
Tgt Ion: 63 Resp: 85067

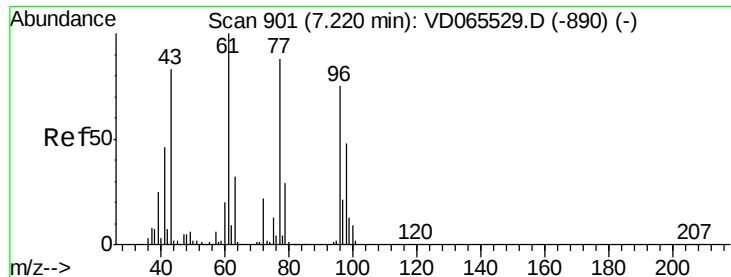
Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

100 3.4 2.5 7.4





#25

2-Butanone

Concen: 42.438 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

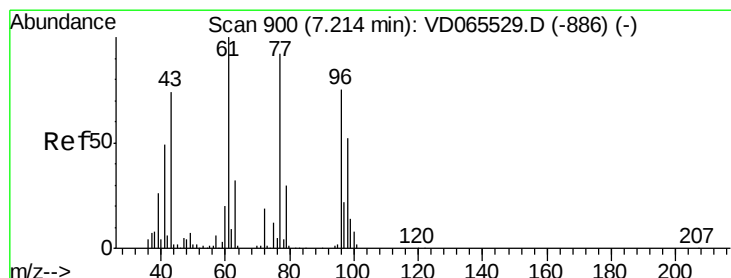
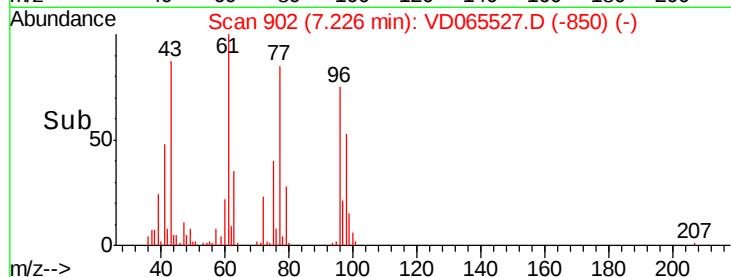
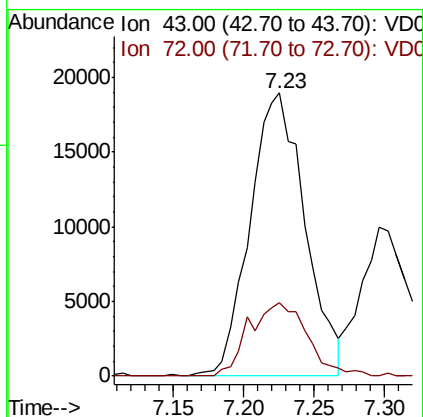
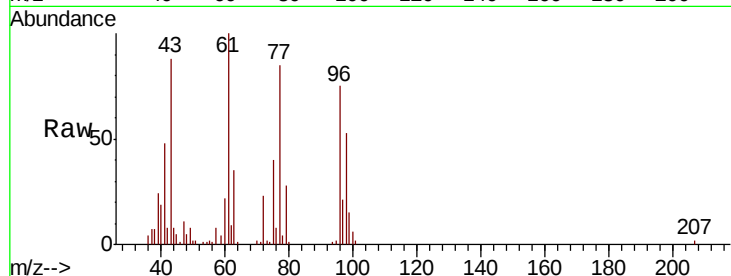
VSTDIC010

Tot Ion: 43 Resp: 51732

Ion Ratio Lower Upper

43 100

72 26.1 21.5 32.3



#26

2,2-Dichloropropane

Concen: 9.786 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065527.D

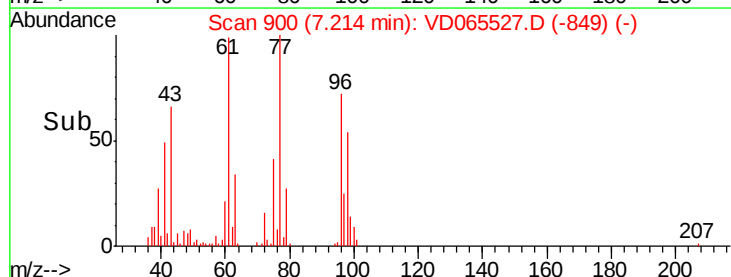
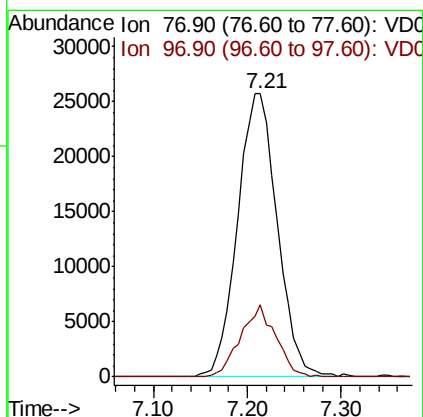
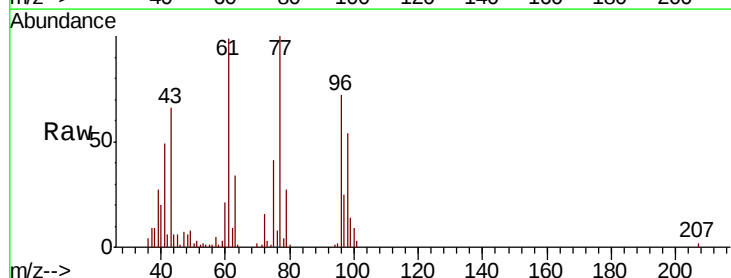
Acq: 26 Mar 2020 16:06

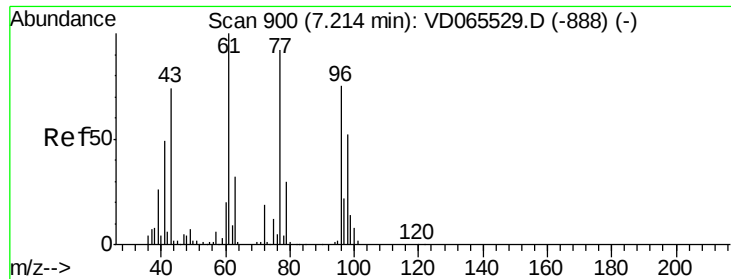
Tgt Ion: 77 Resp: 75245

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1

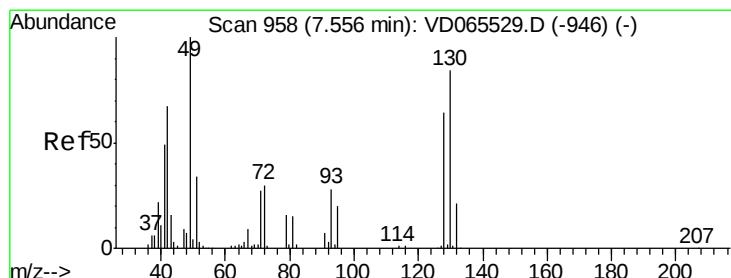
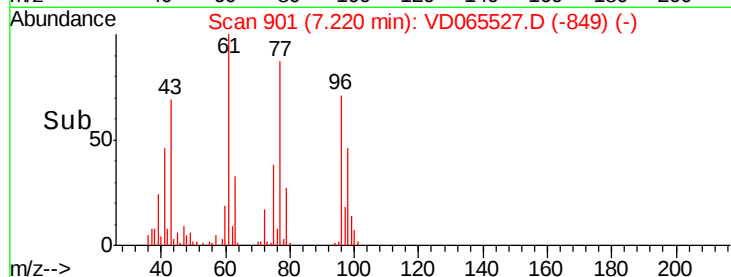
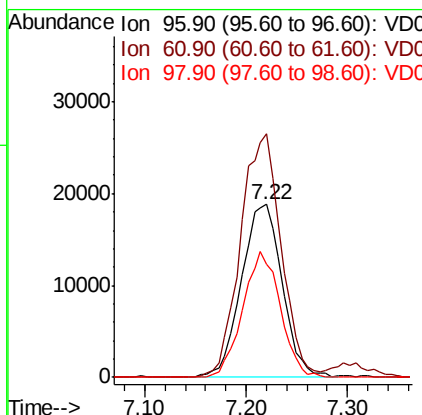
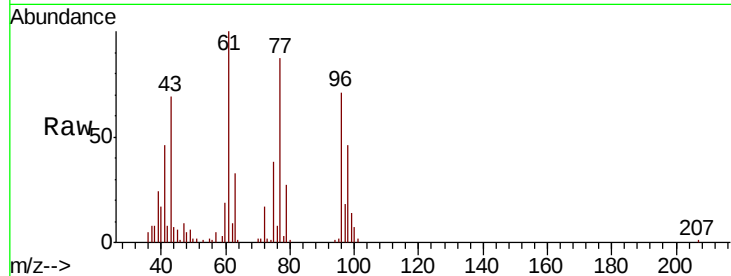




#27
 cis-1,2-Dichloroethene
 Concen: 9.698 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

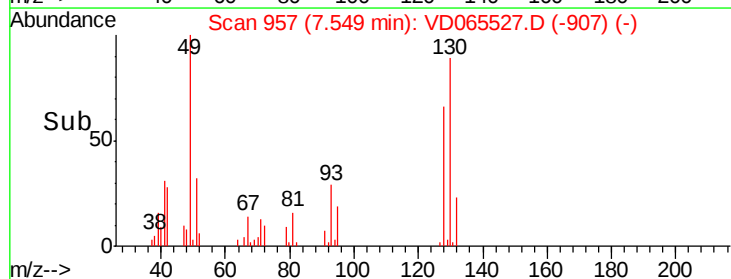
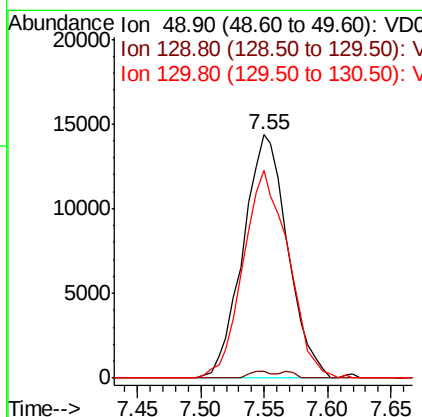
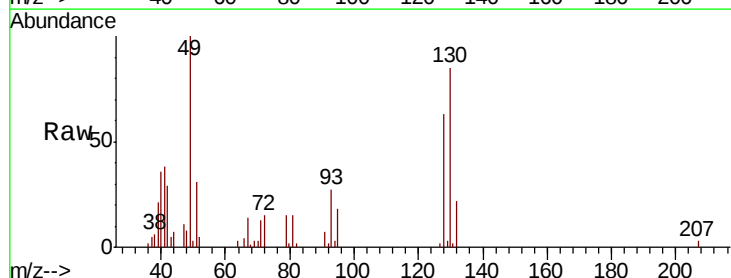
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

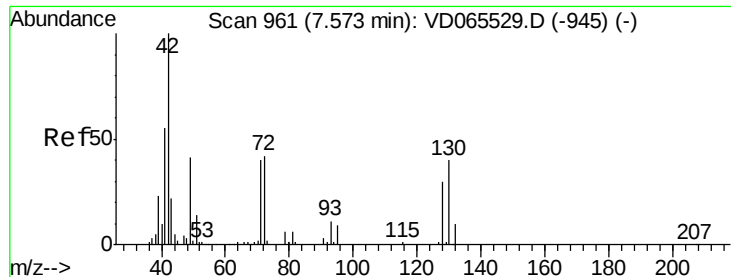
Tot Ion: 96 Resp: 52800
 Ion Ratio Lower Upper
 96 100
 61 139.4 0.0 278.0
 98 66.8 0.0 129.6



#28
 Bromochloromethane
 Concen: 9.931 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 49 Resp: 35135
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 4.4
 130 87.0 69.7 104.5

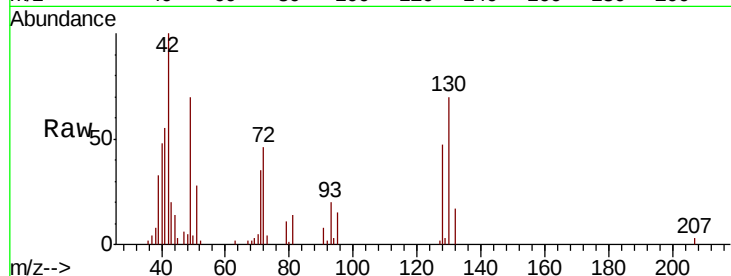




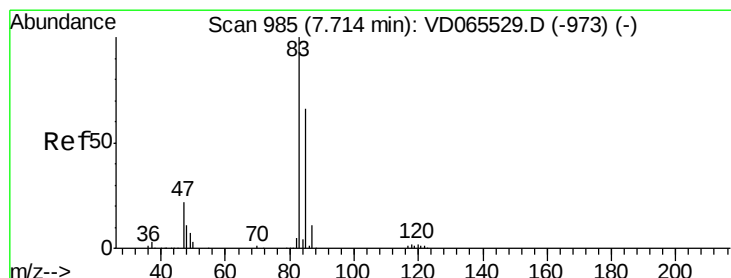
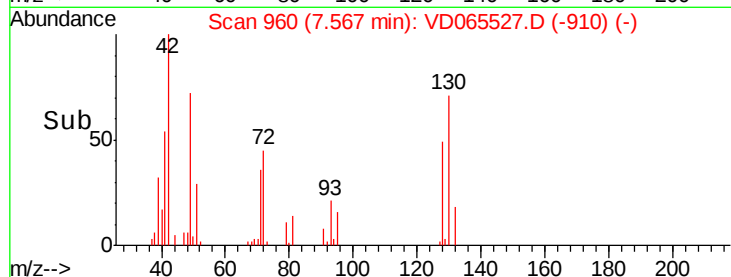
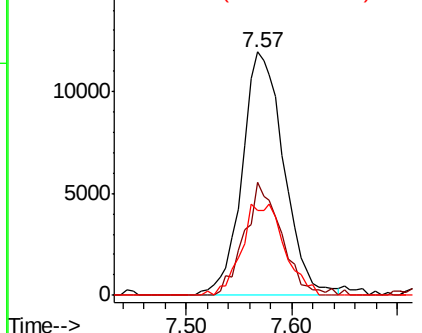
#29
Tetrahydrofuran
Concen: 41.998 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 42 Resp: 32687
Ion Ratio Lower Upper
42 100
72 41.6 35.0 52.6
71 38.3 33.0 49.6

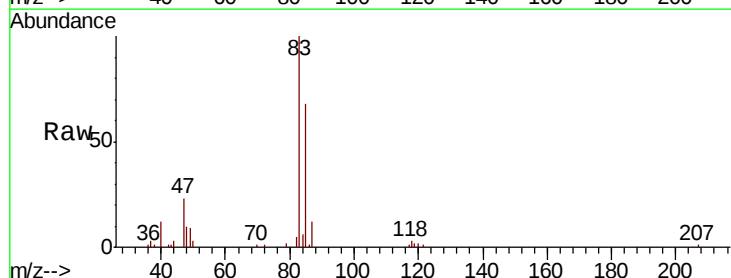


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

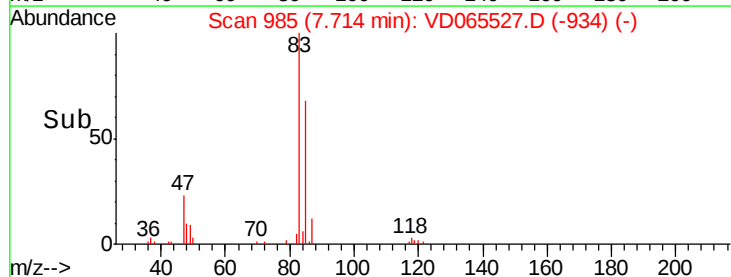
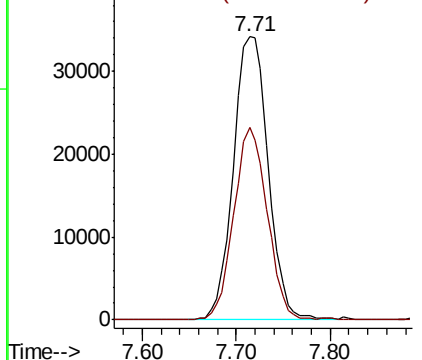


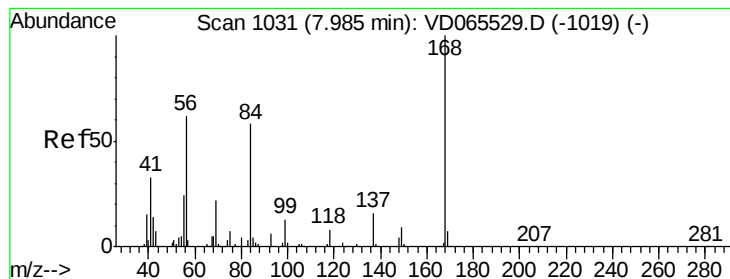
#30
Chloroform
Concen: 10.012 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion: 83 Resp: 87924
Ion Ratio Lower Upper
83 100
85 67.8 52.9 79.3



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





#31

Cvclohexane

Concen: 9.580 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

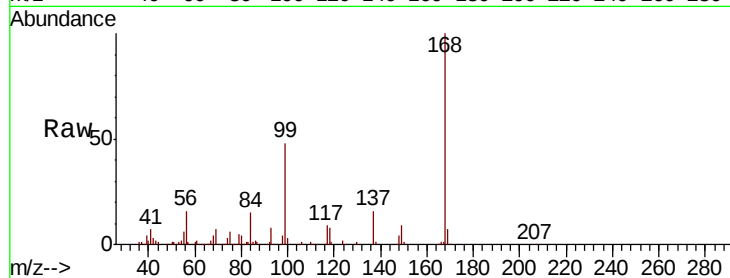
Tot Ion: 56 Resp: 83478

Ion Ratio Lower Upper

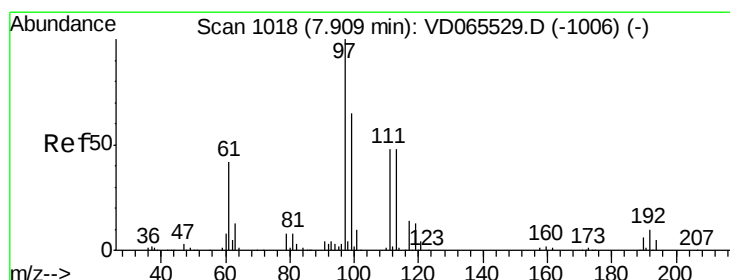
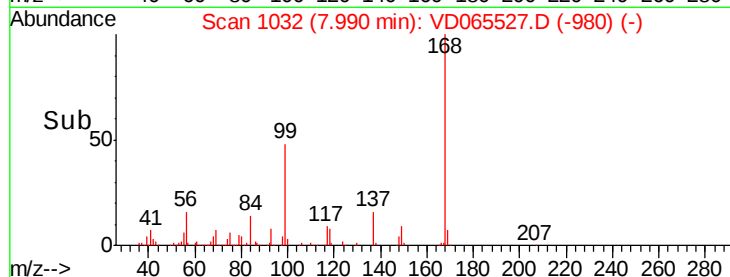
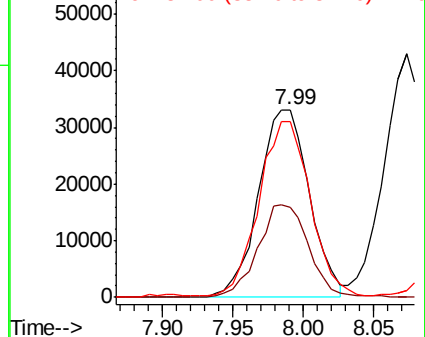
56 100

69 47.7 28.2 42.4#

84 92.4 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: 9.585 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

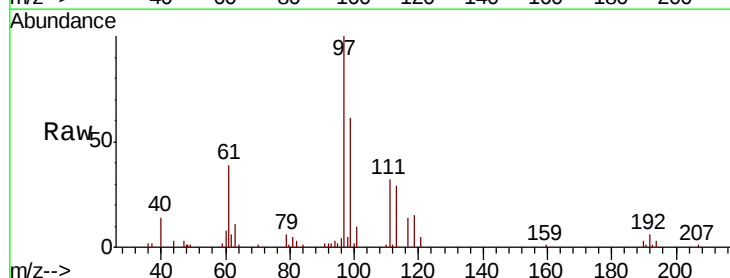
Tgt Ion: 97 Resp: 77661

Ion Ratio Lower Upper

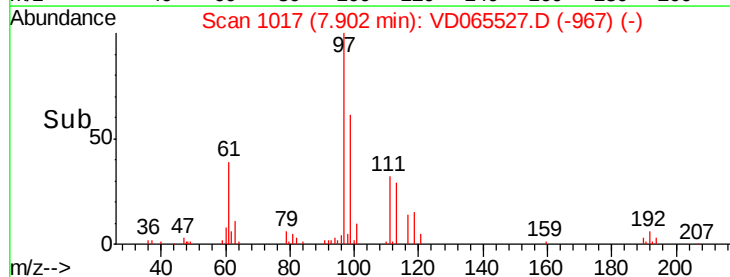
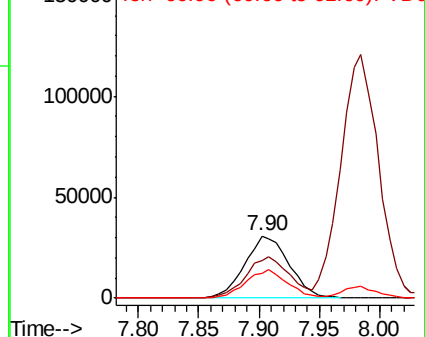
97 100

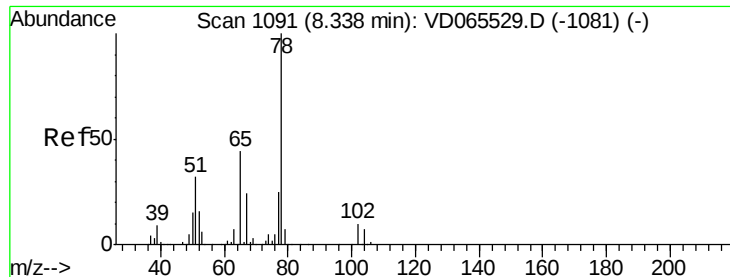
99 66.7 51.2 76.8

61 43.8 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

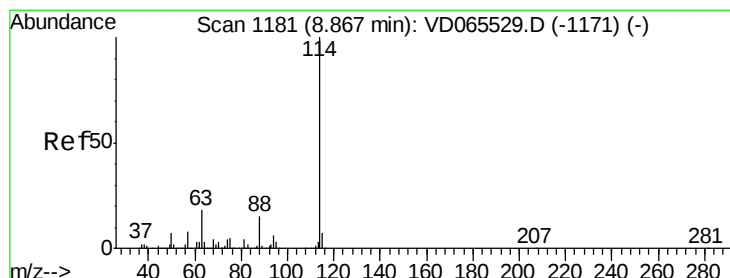
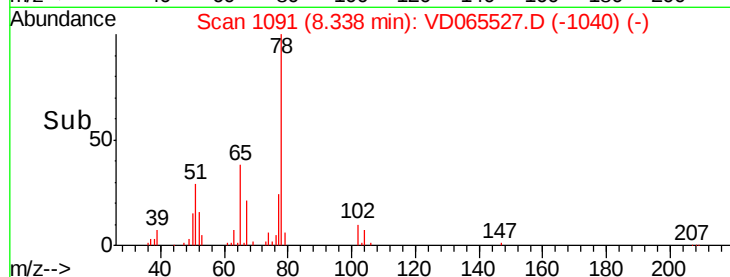
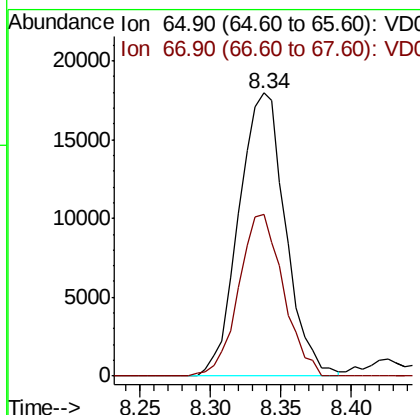
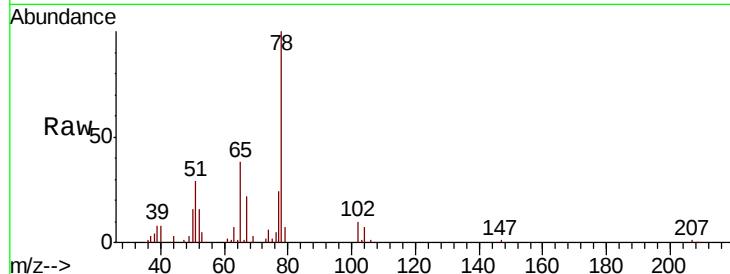




#33
 1,2-Dichloroethane-d4
 Concen: 9.352 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

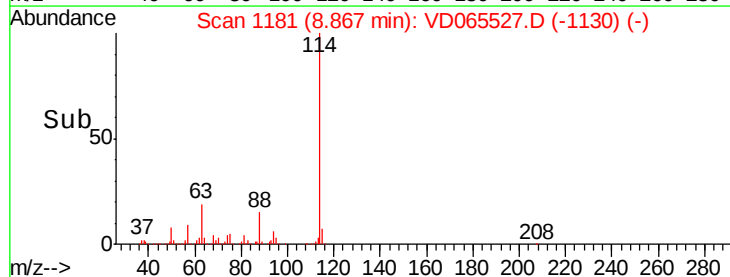
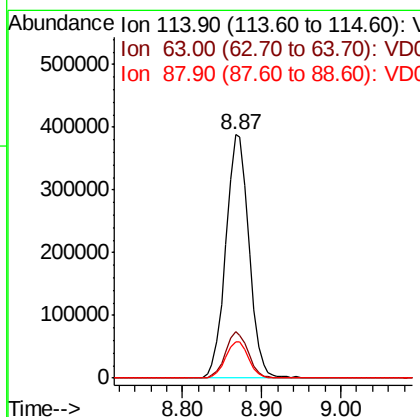
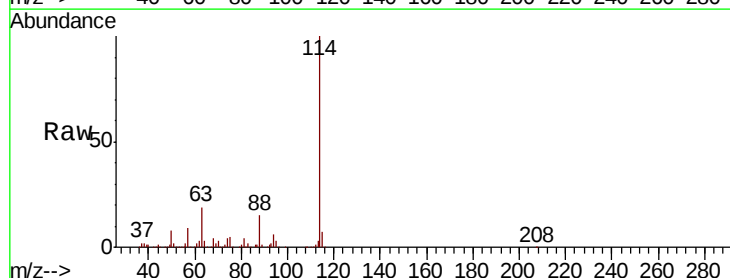
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

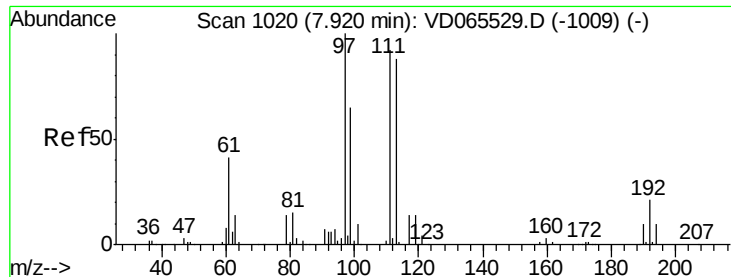
Tot Ion: 65 Resp: 41571
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 114 Resp: 783817
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 14.8 0.0 30.4

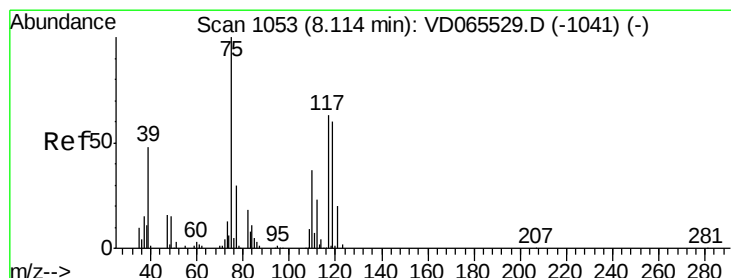
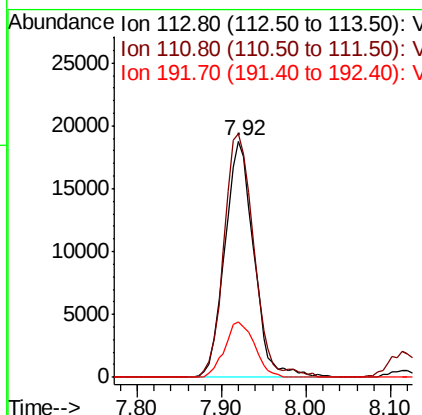
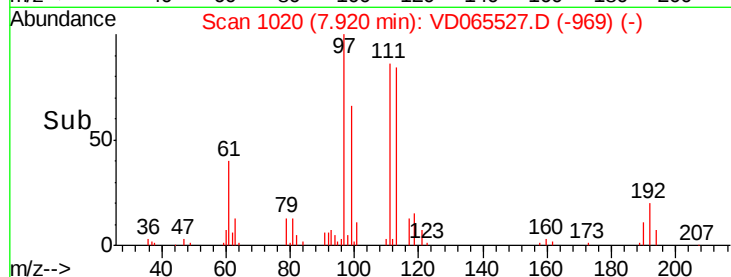
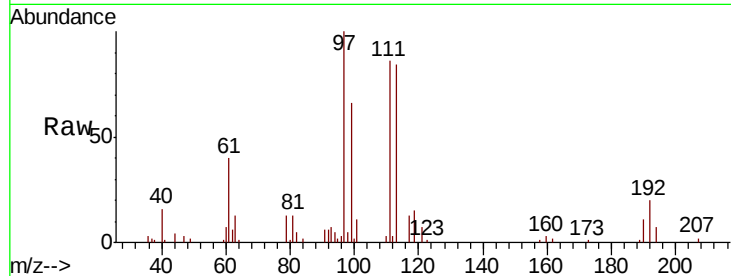




#35
 Dibromofluoromethane
 Concen: 9.253 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

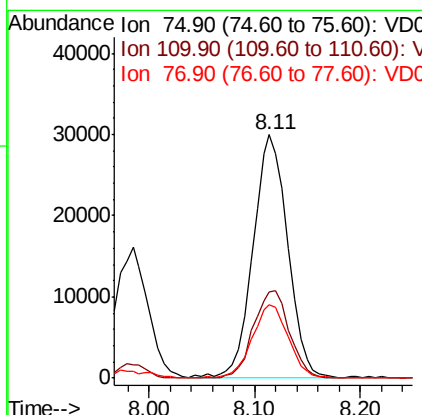
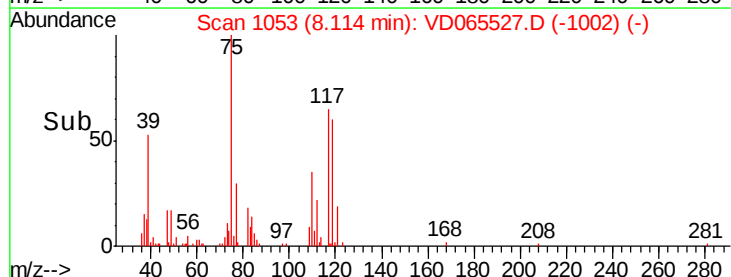
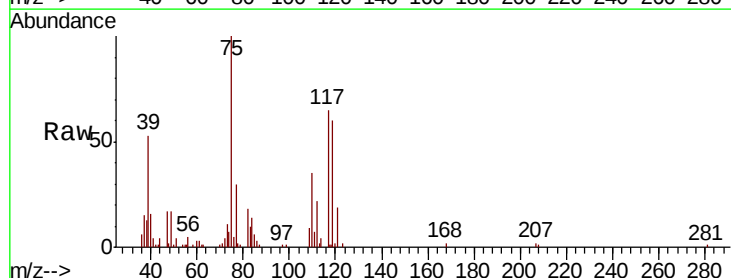
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

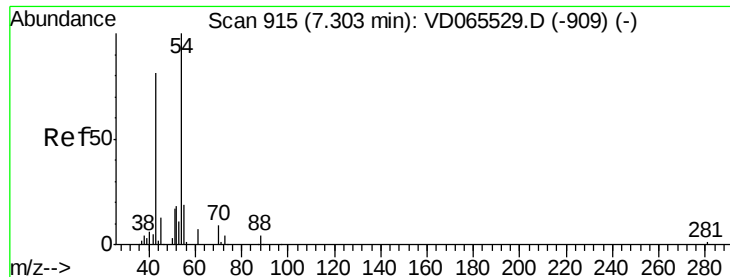
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.3	124.9
192	23.9	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 9.254 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.8	56.4
77	31.5	25.1	37.7

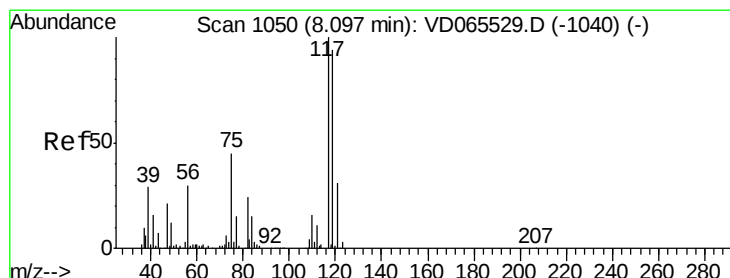
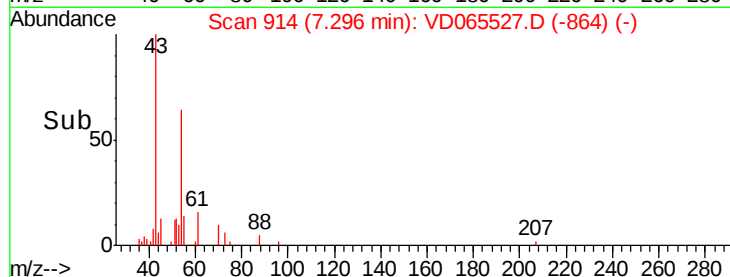
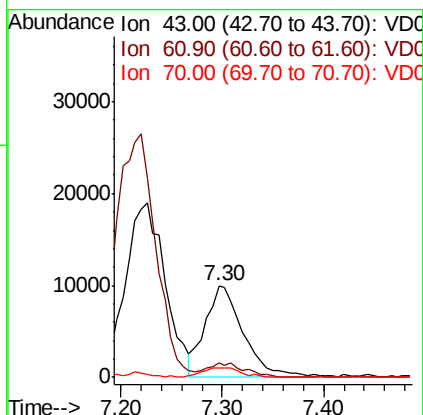
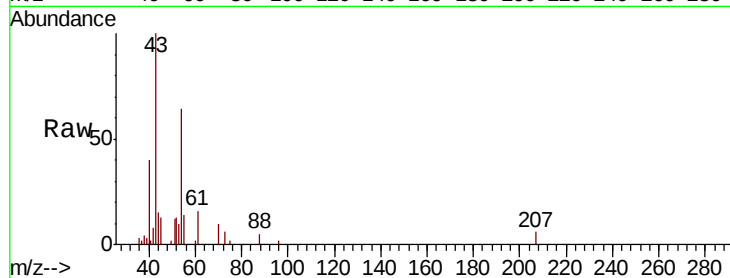




#37
Ethyl Acetate
Concen: 9.141 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

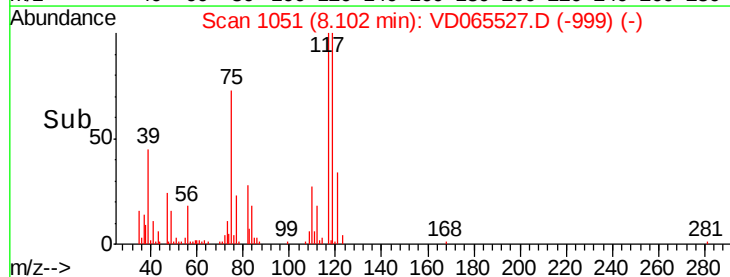
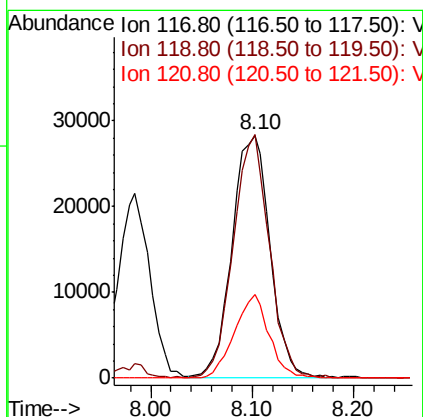
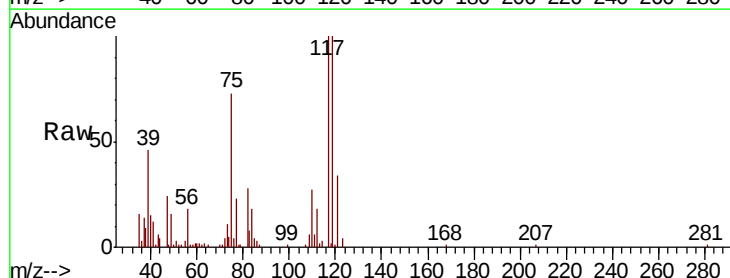
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

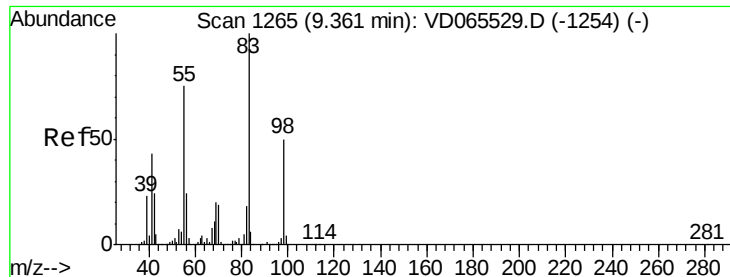
Tot Ion: 43 Resp: 26315
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 9.553 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion: 117 Resp: 73571
Ion Ratio Lower Upper
117 100
119 100.5 75.2 112.8
121 34.3 24.5 36.7

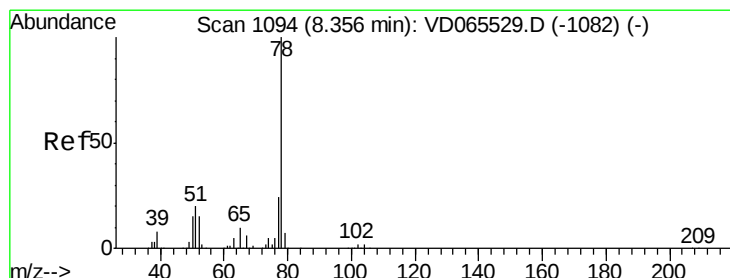
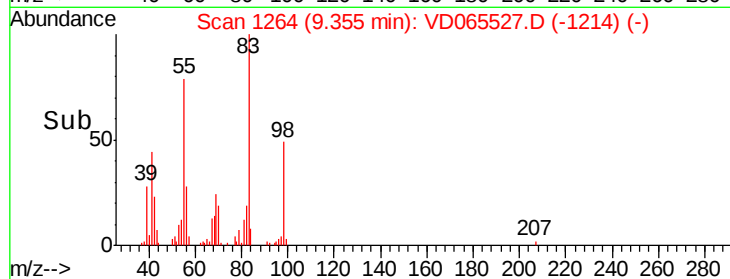
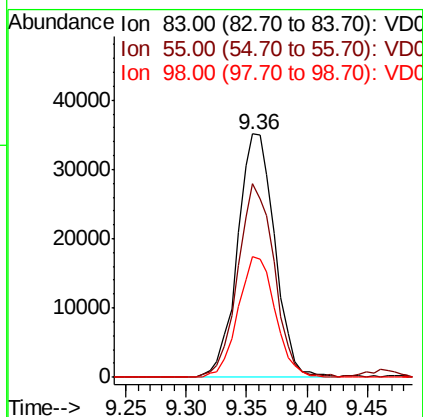
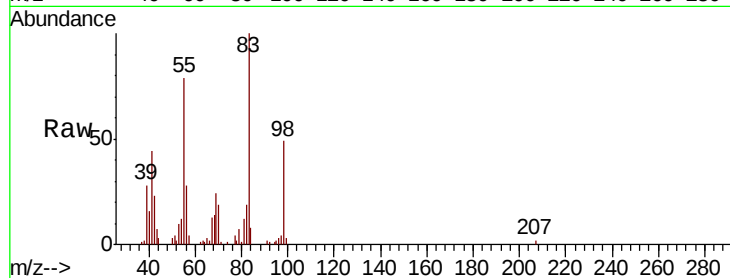




#39
Methvlcvclohexane
Concen: 8.492 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

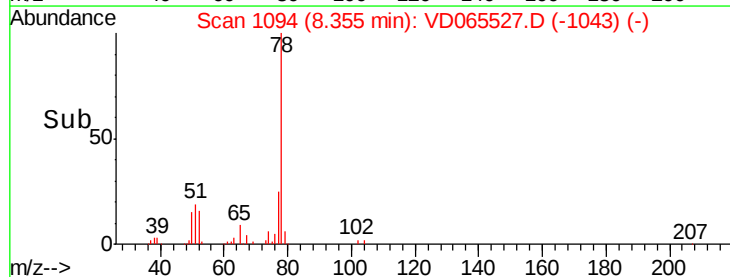
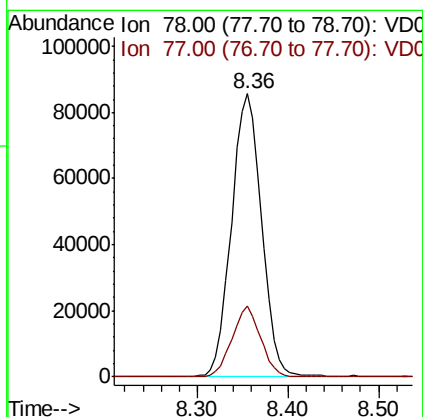
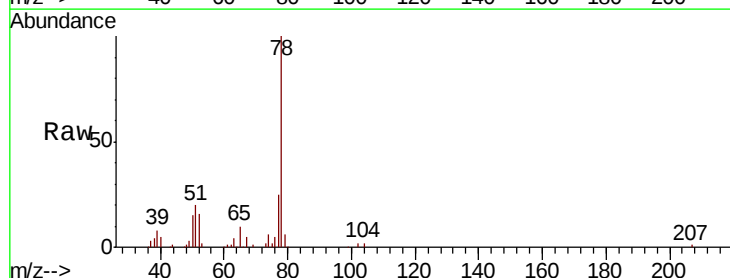
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

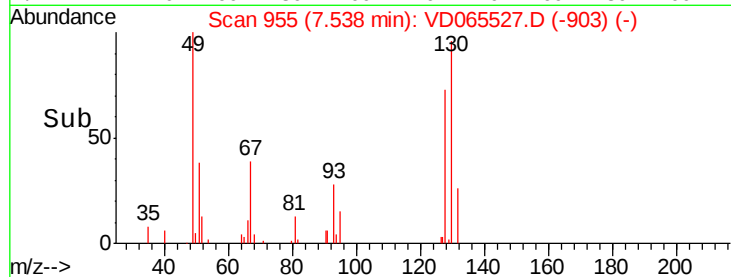
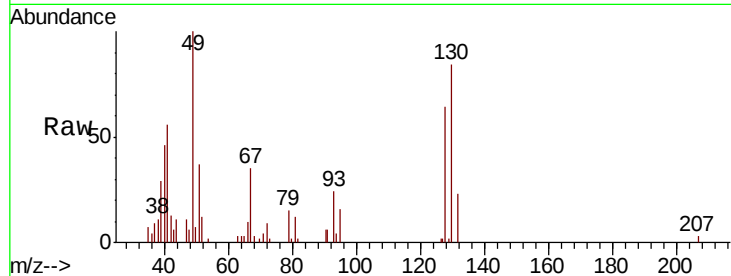
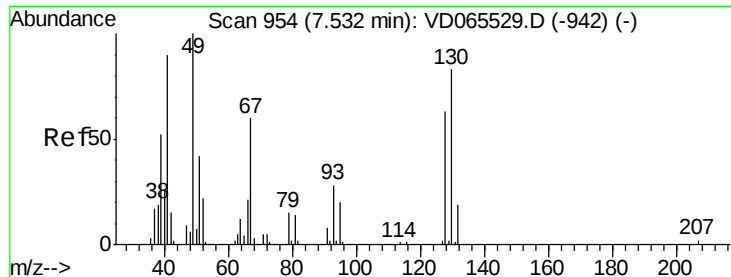
Tot Ion: 83 Resp: 75593
Ion Ratio Lower Upper
83 100
55 79.4 59.7 89.5
98 49.3 40.2 60.2



#40
Benzene
Concen: 9.548 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion: 78 Resp: 198013
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7

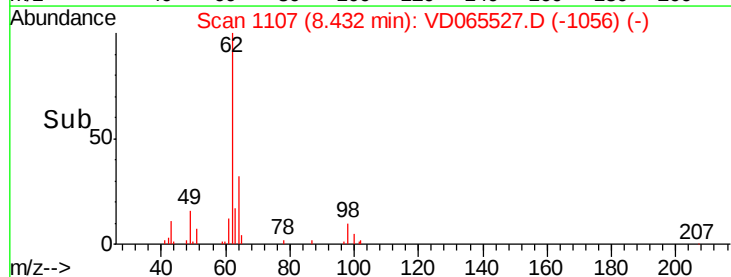
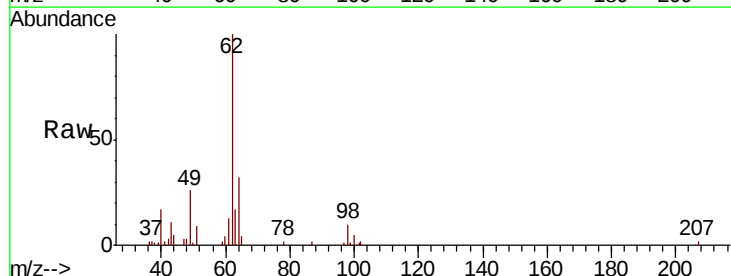
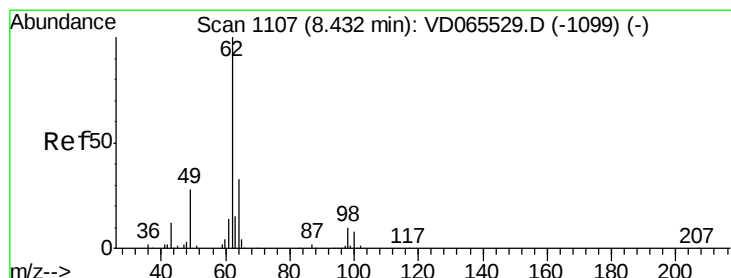
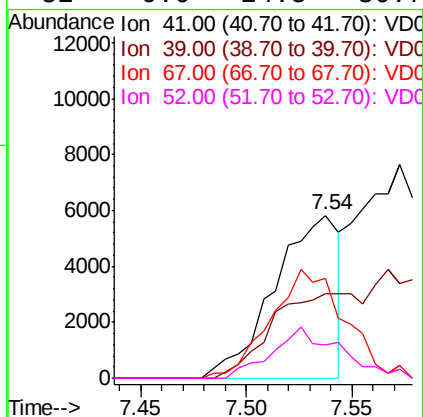




#41
Methacrylonitrile
Concen: 7.973 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

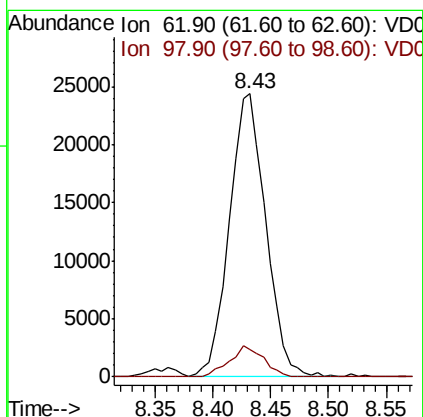
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

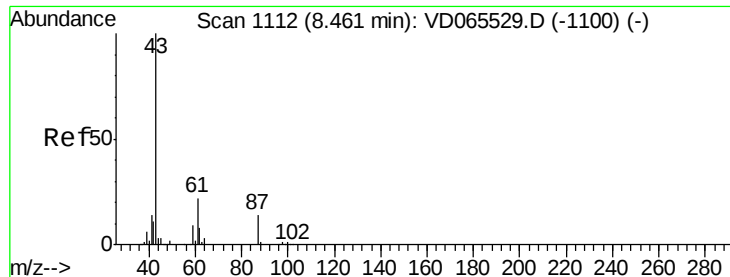
Tot Ion: 41 Resp: 12430
Ion Ratio Lower Upper
41 100
39 71.6 42.9 64.3#
67 0.0 60.5 90.7#
52 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 9.802 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion: 62 Resp: 53423
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.8





#43

Isopropyl Acetate

Concen: 8.450 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

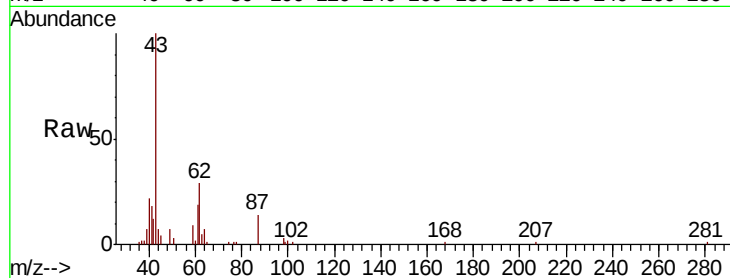
Tot Ion: 43 Resp: 44787

Ion Ratio Lower Upper

43 100

61 32.2 25.0 37.4

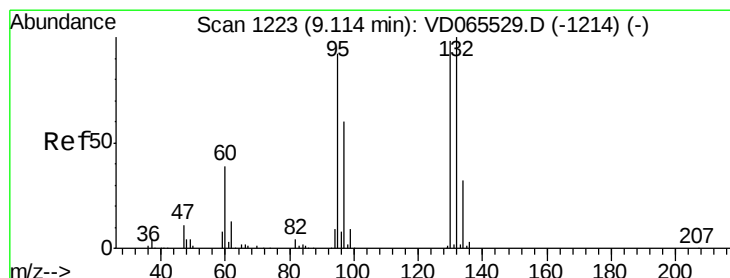
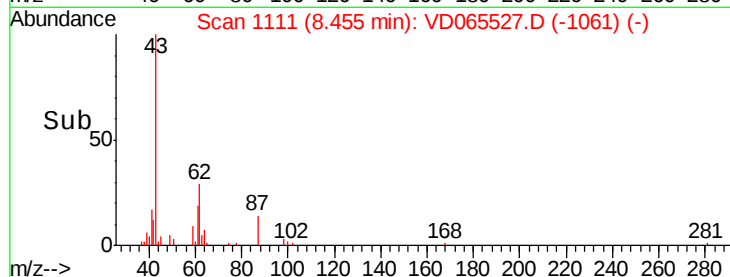
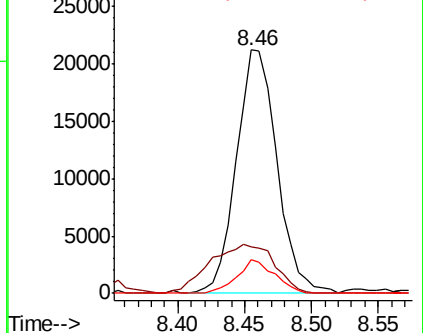
87 12.7 11.0 16.4



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: 9.808 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065527.D

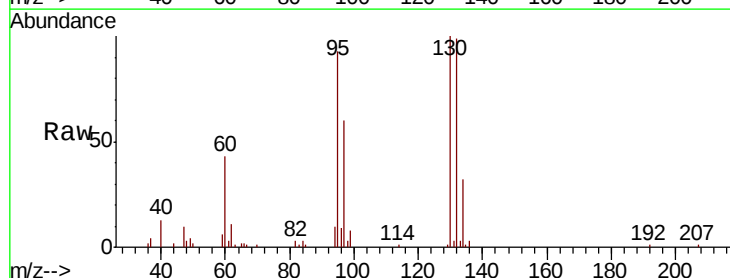
Acq: 26 Mar 2020 16:06

Tgt Ion: 130 Resp: 57589

Ion Ratio Lower Upper

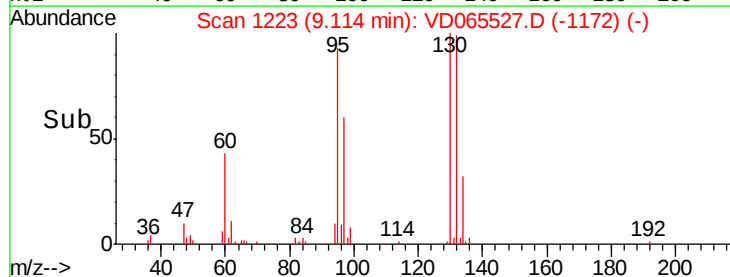
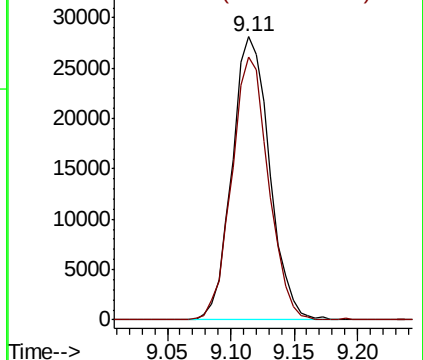
130 100

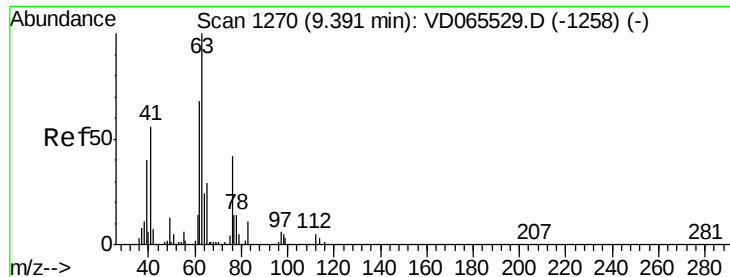
95 93.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

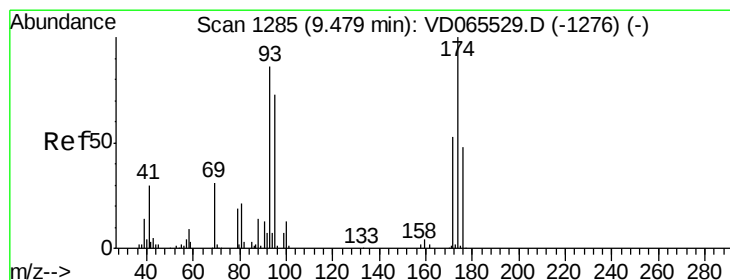
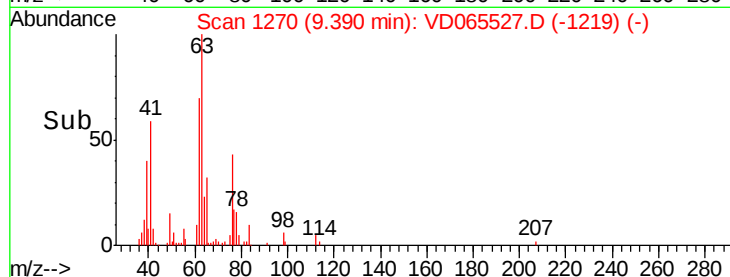
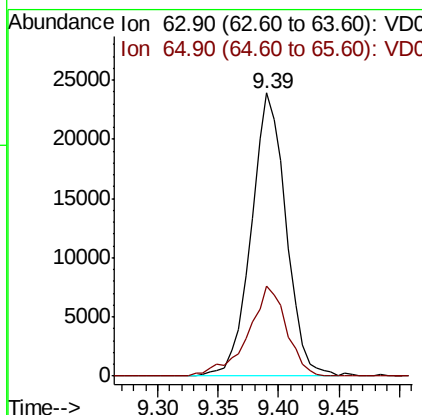
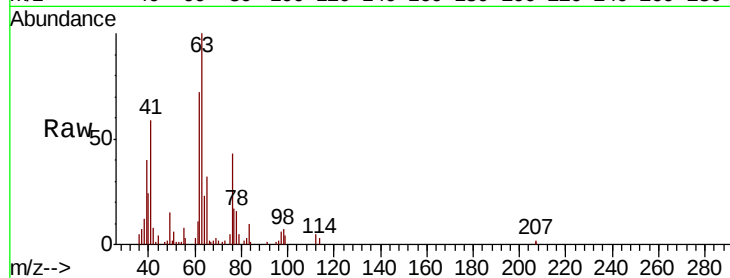




#45
 1,2-Dichloropropane
 Concen: 9.481 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

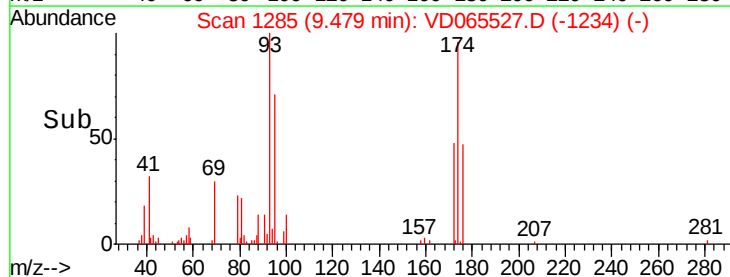
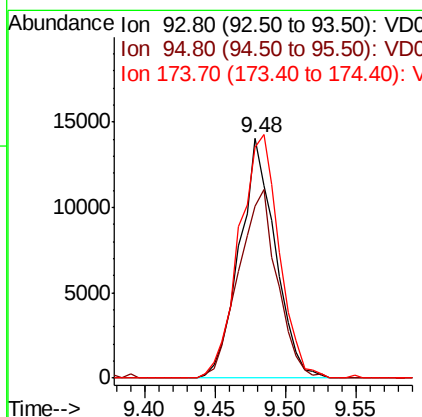
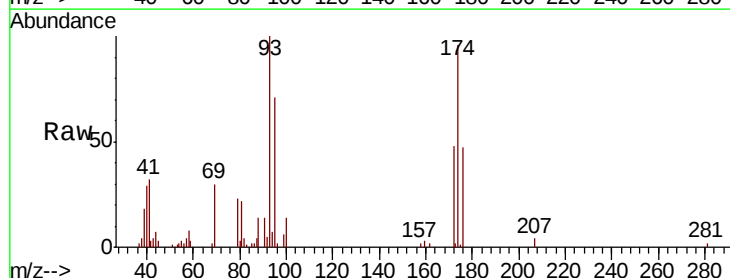
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

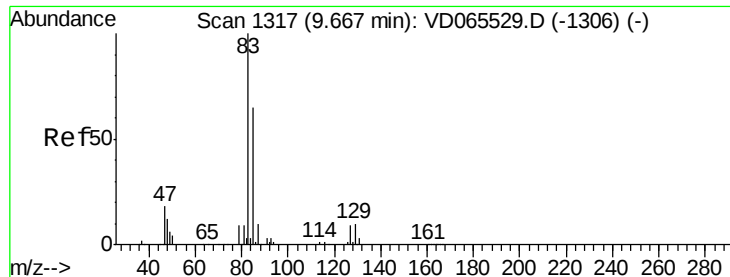
Tot Ion: 63 Resp: 47717
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.5 35.3



#46
 Dibromomethane
 Concen: 9.567 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 93 Resp: 25013
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.3 100.9
 174 113.4 92.5 138.7





#47

Bromodichloromethane

Concen: 9.854 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

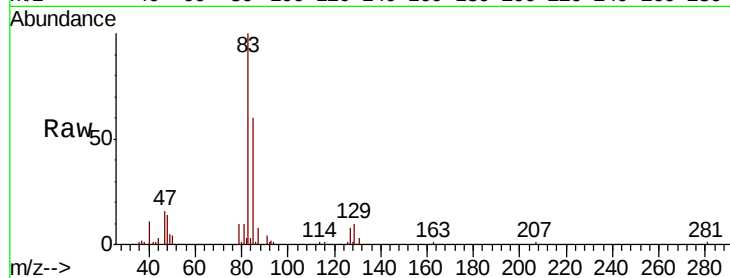
Tot Ion: 83 Resp: 67045

Ion Ratio Lower Upper

83 100

85 60.2 52.2 78.2

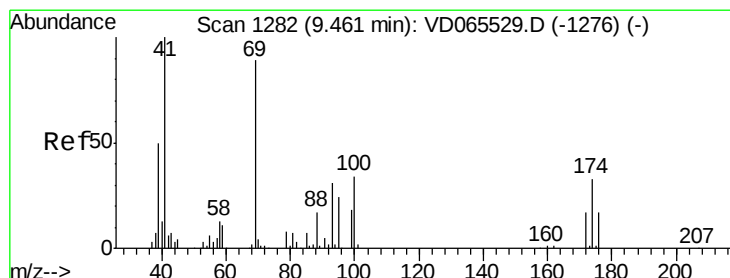
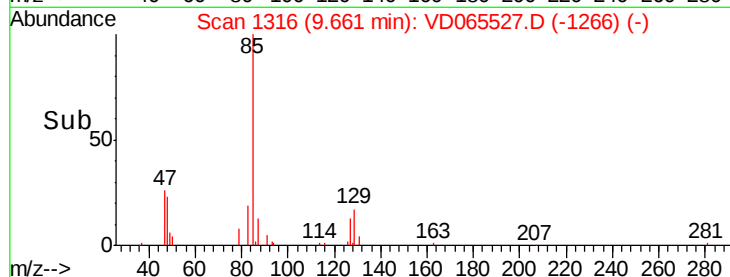
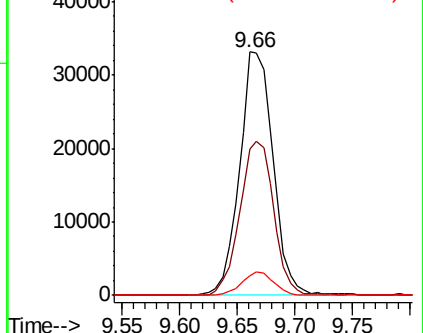
127 8.0 7.1 10.7



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: 7.745 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

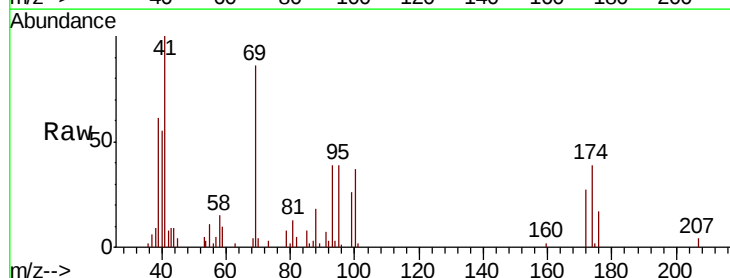
Tgt Ion: 41 Resp: 19381

Ion Ratio Lower Upper

41 100

69 90.3 71.8 107.6

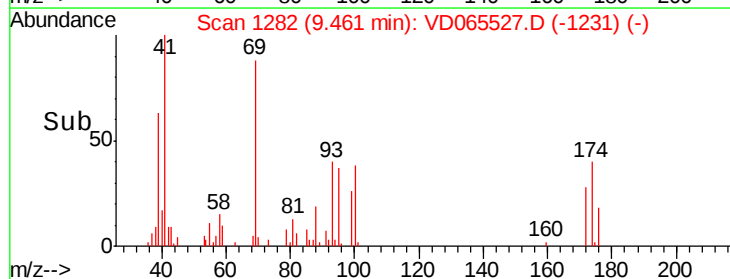
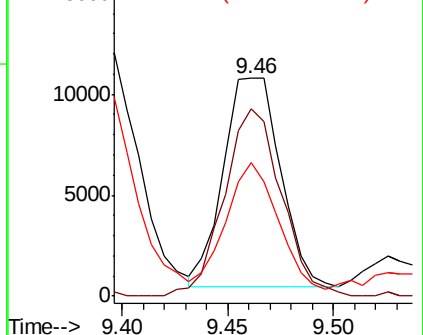
39 54.2 42.2 63.4

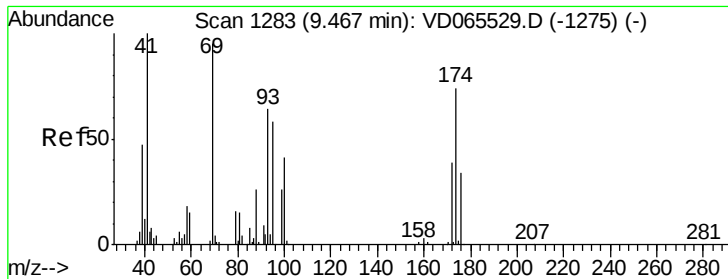


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 160.593 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

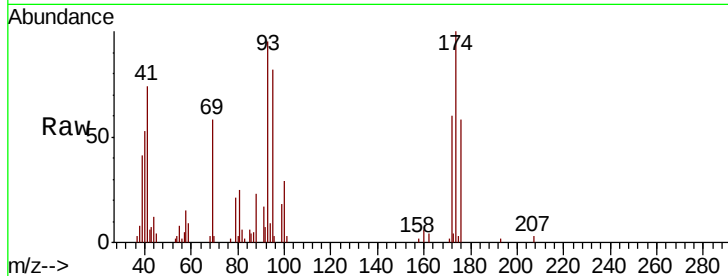
Tot Ion: 88 Resp: 4834

Ion Ratio Lower Upper

88 100

43 40.1 26.0 39.0#

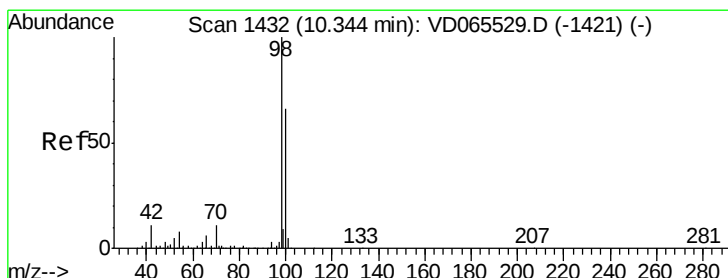
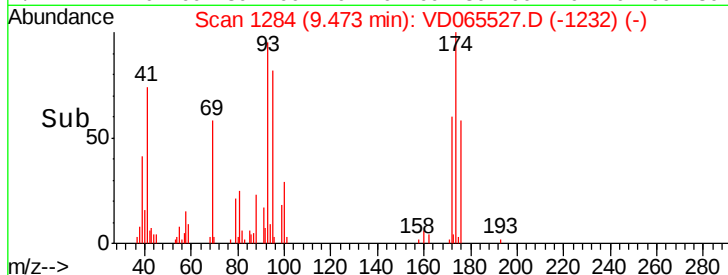
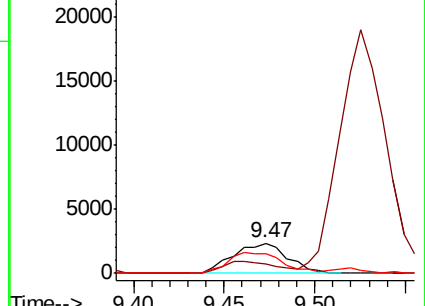
58 68.9 54.6 82.0



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: 8.842 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065527.D

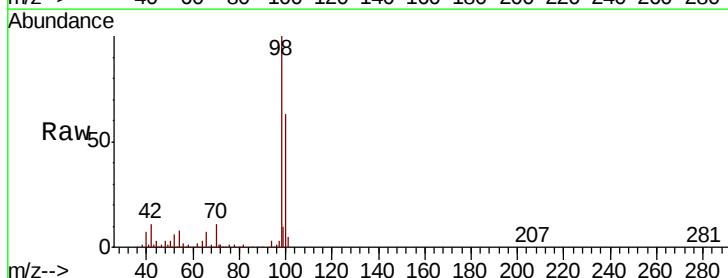
Acq: 26 Mar 2020 16:06

Tgt Ion: 98 Resp: 163040

Ion Ratio Lower Upper

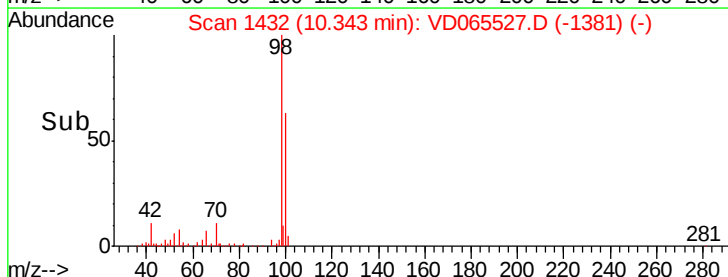
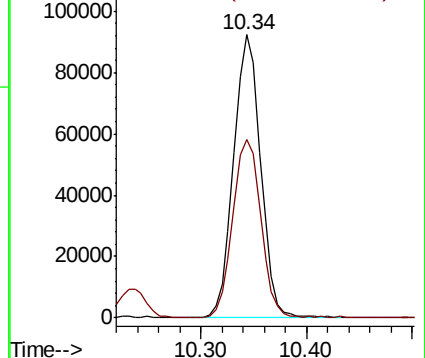
98 100

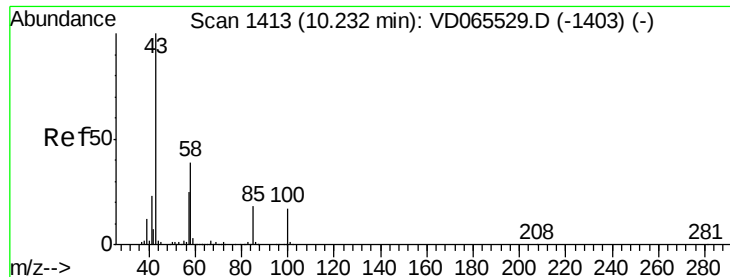
100 66.1 52.2 78.2



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: 41.302 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

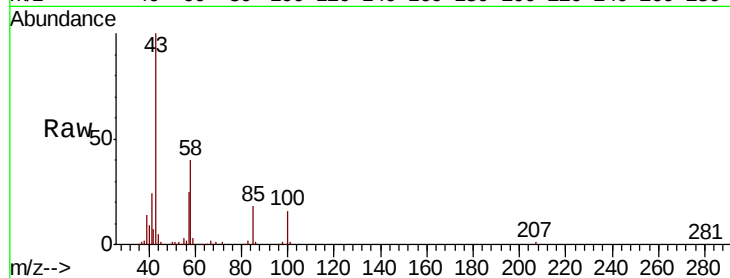
VSTDIC010

Tot Ion: 43 Resp: 110525

Ion Ratio Lower Upper

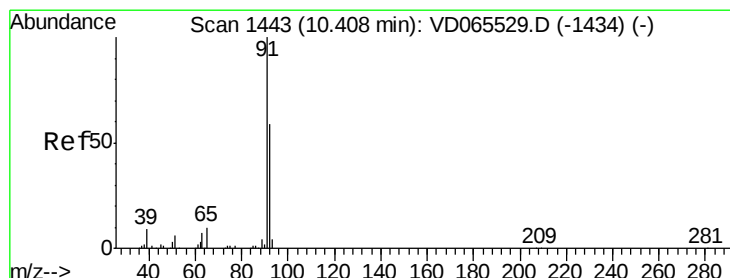
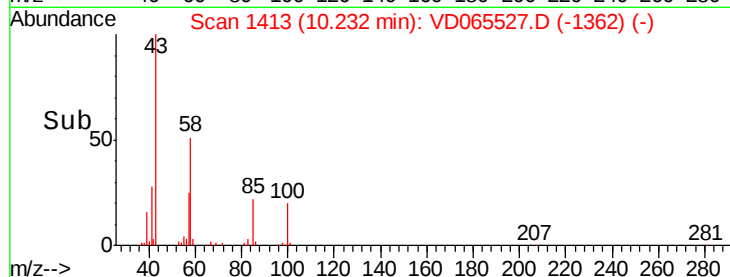
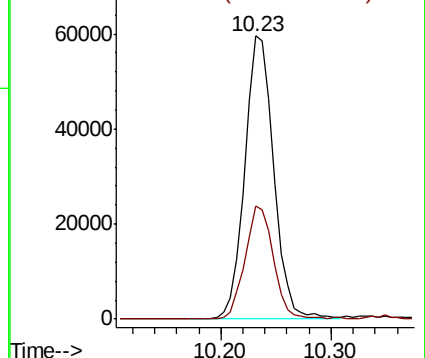
43 100

58 39.1 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 9.254 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065527.D

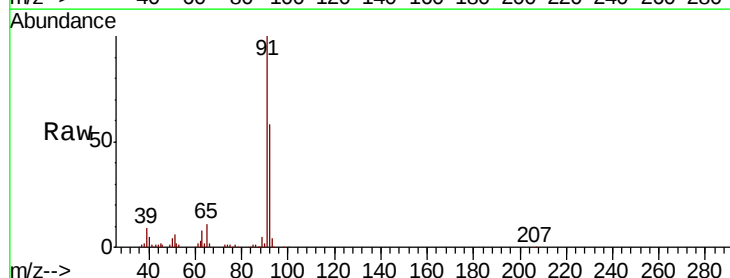
Acq: 26 Mar 2020 16:06

Tgt Ion: 92 Resp: 121115

Ion Ratio Lower Upper

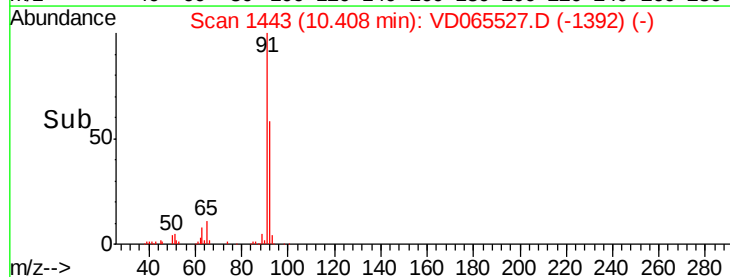
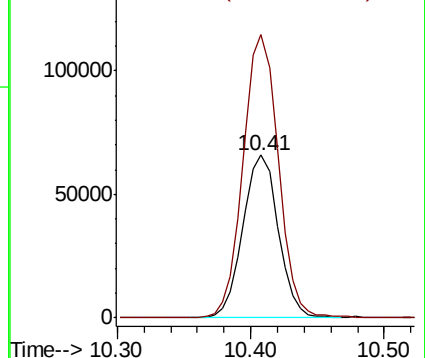
92 100

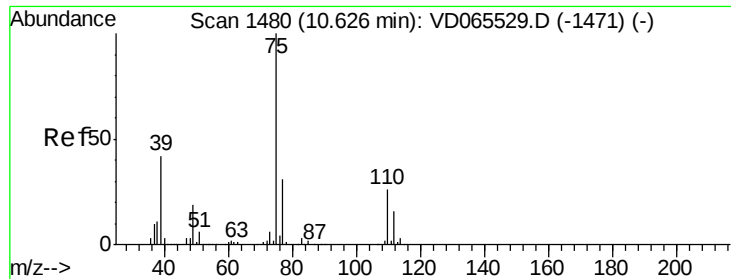
91 173.5 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 8.955 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

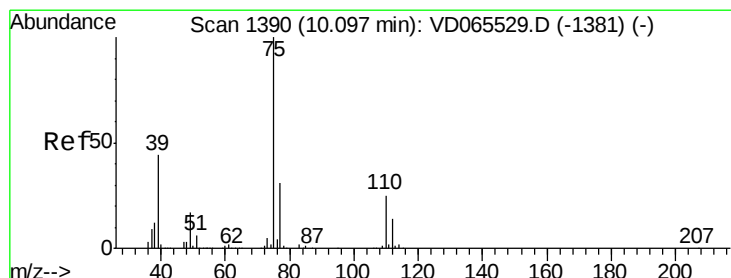
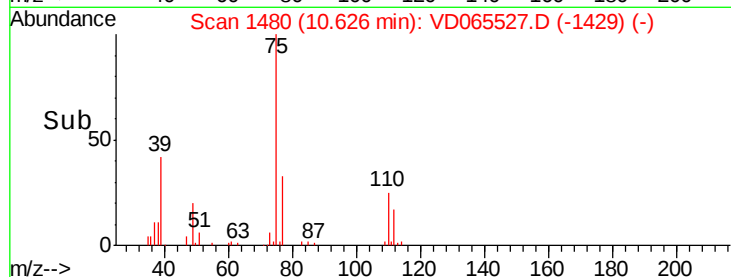
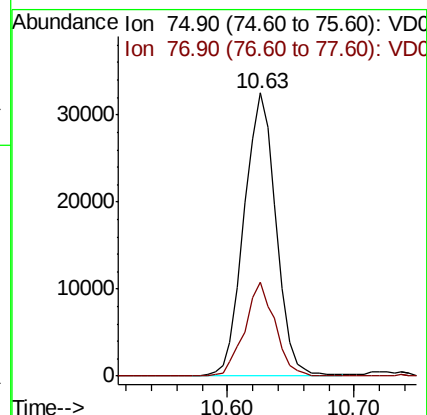
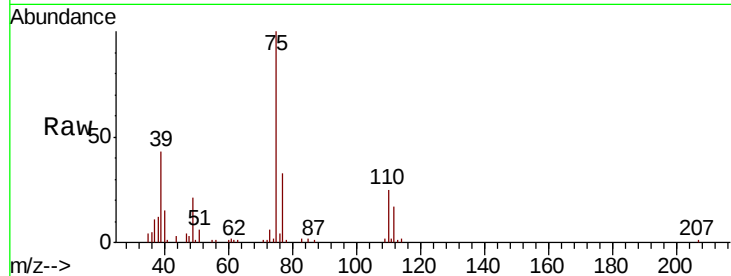
VSTDIC010

Tot Ion: 75 Resp: 56997

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 9.349 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

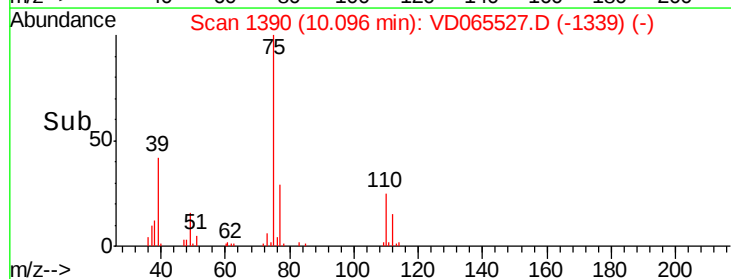
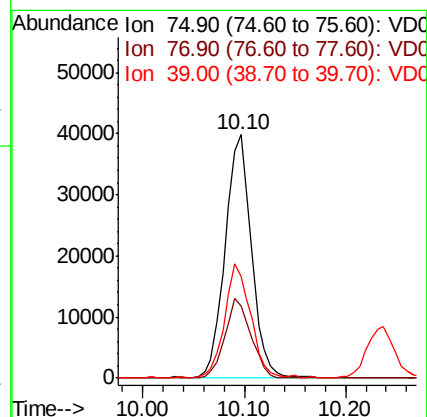
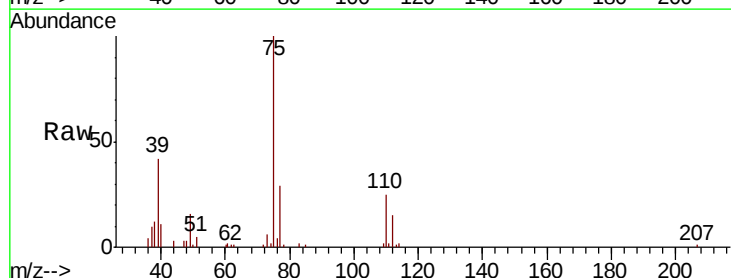
Tgt Ion: 75 Resp: 71958

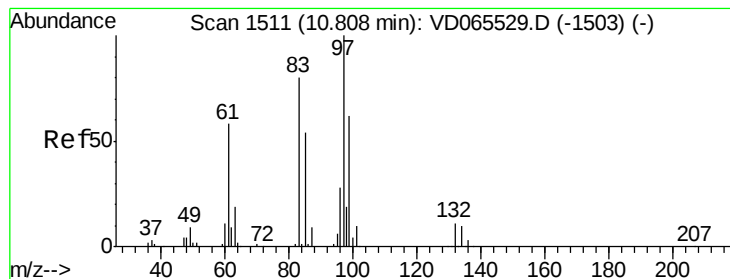
Ion Ratio Lower Upper

75 100

77 29.5 24.6 36.8

39 41.7 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 9.605 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 35765

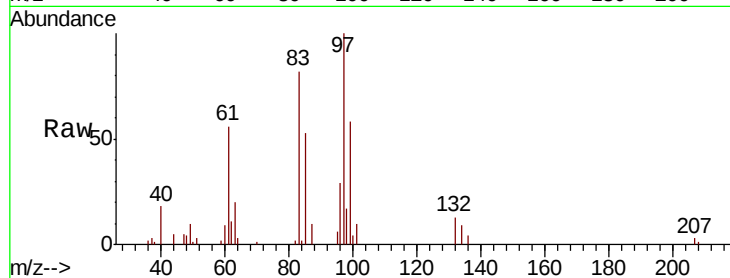
Ion Ratio Lower Upper

97 100

83 81.8 63.8 95.6

85 53.1 42.9 64.3

99 58.3 49.9 74.9

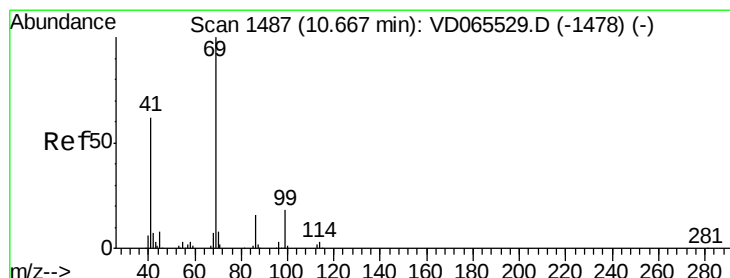
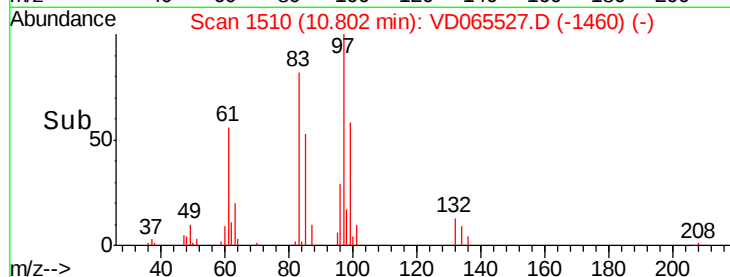
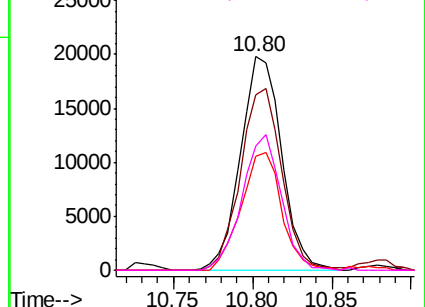


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 7.764 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

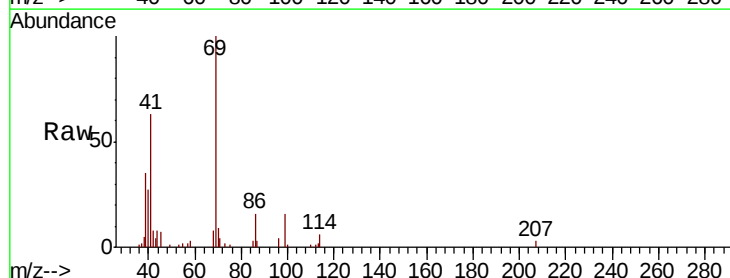
Tgt Ion: 69 Resp: 32546

Ion Ratio Lower Upper

69 100

41 70.2 51.3 76.9

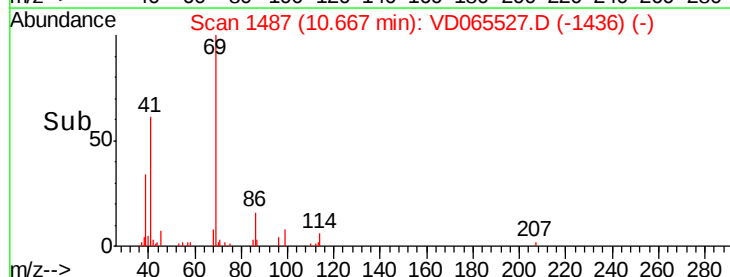
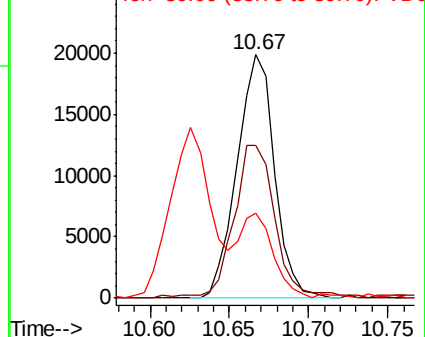
39 32.1 25.3 37.9

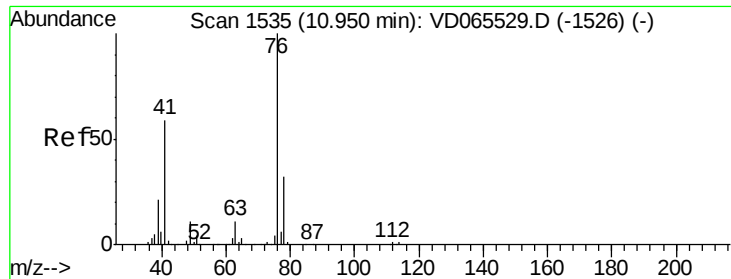


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

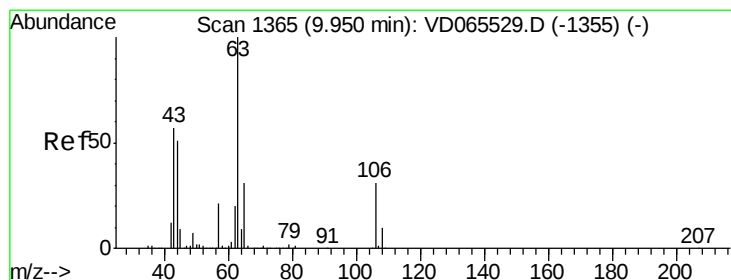
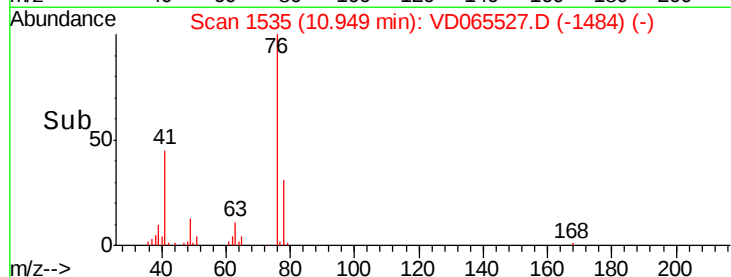
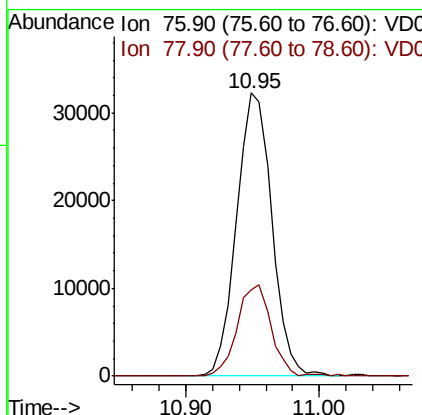
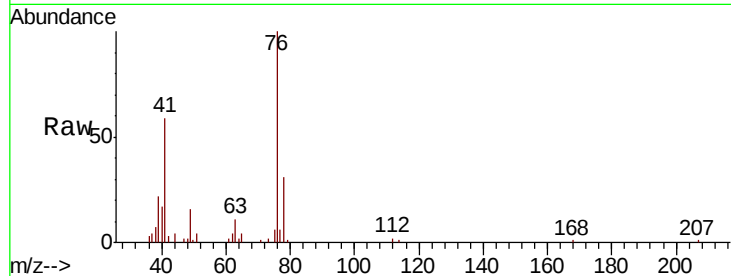




#57
 1,3-Dichloropropane
 Concen: 9.370 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

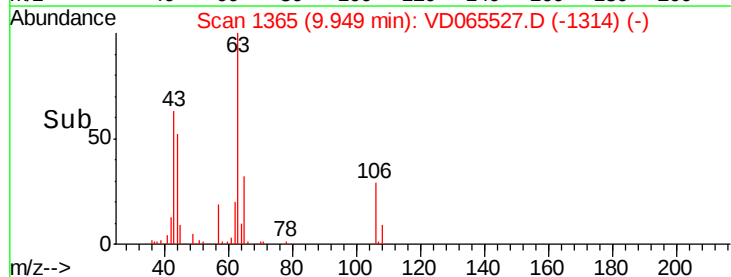
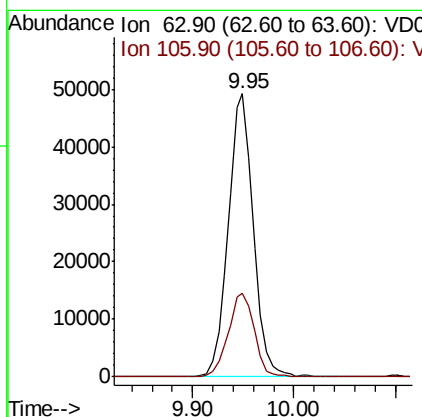
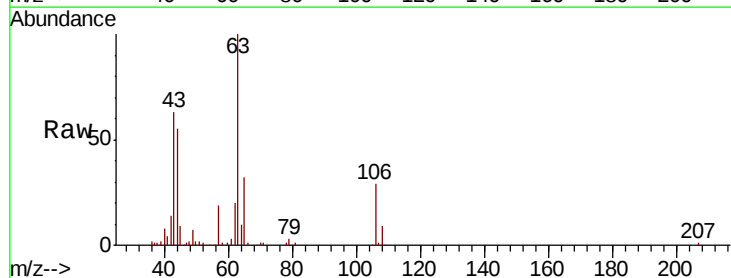
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

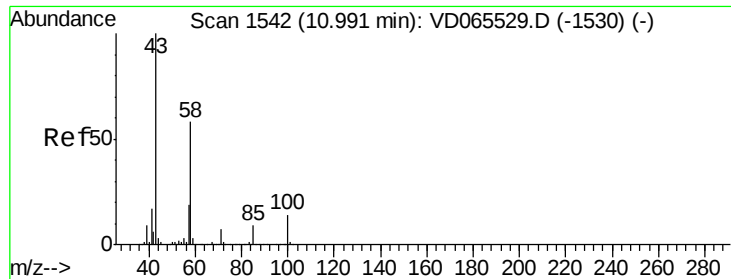
Tot Ion: 76 Resp: 58966
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 54.786 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065527.D
 Acq: 26 Mar 2020 16:06

Tgt Ion: 63 Resp: 83940
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.3 36.5

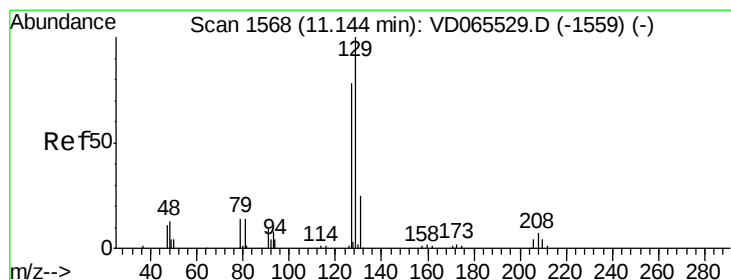
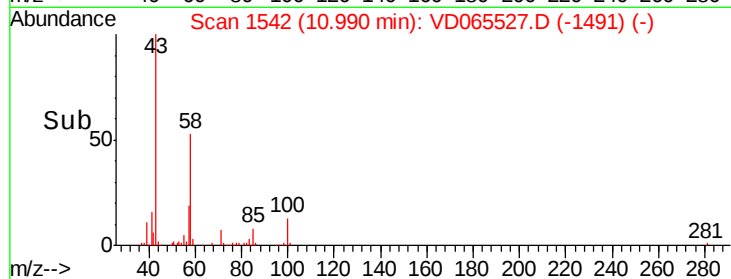
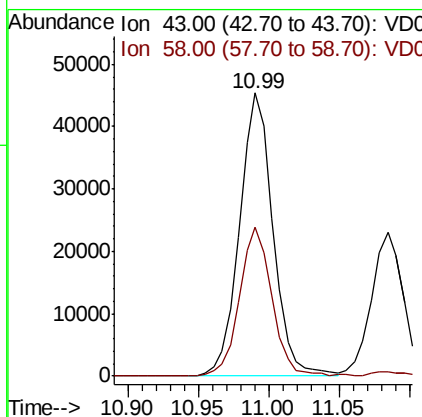
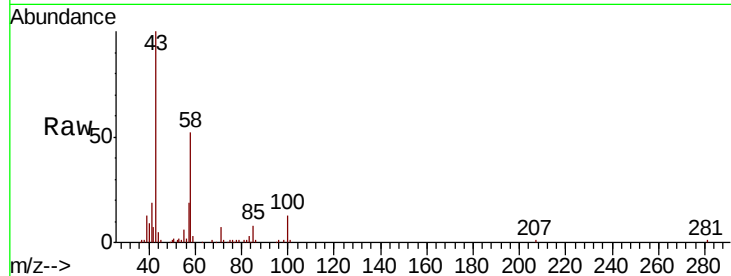




#59
2-Hexanone
Concen: 40.692 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

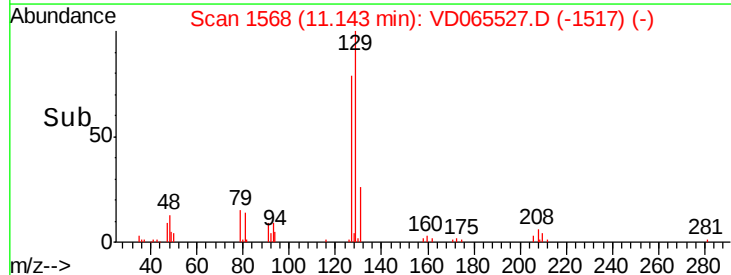
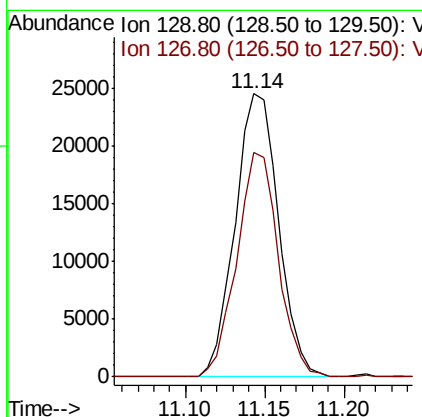
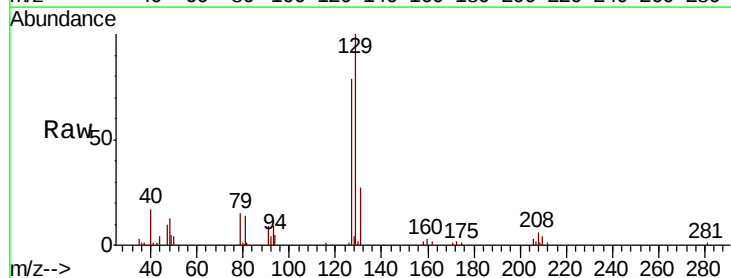
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

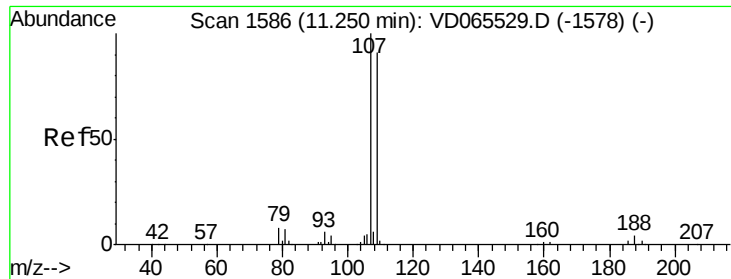
Tot Ion: 43 Resp: 75168
Ion Ratio Lower Upper
43 100
58 51.1 27.9 83.7



#60
Dibromochloromethane
Concen: 9.786 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion: 129 Resp: 46798
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 9.552 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

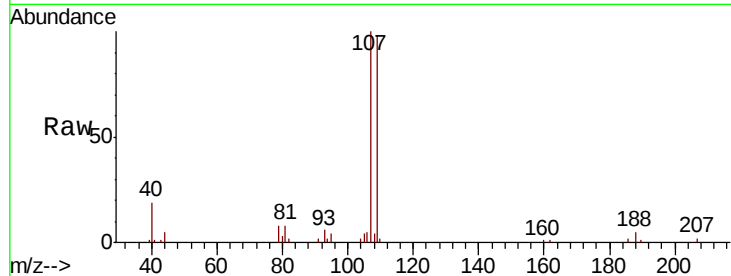
VSTDIC010

Tot Ion:107 Resp: 34053

Ion Ratio Lower Upper

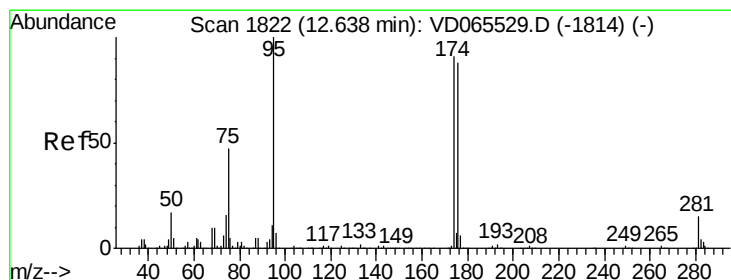
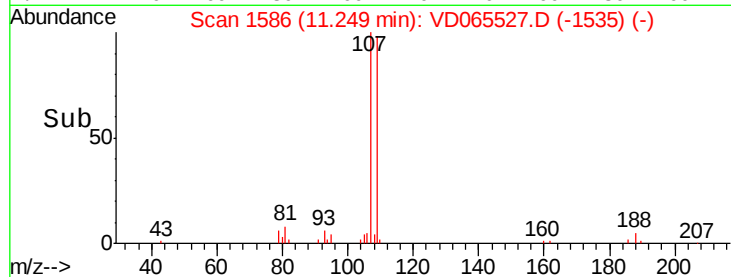
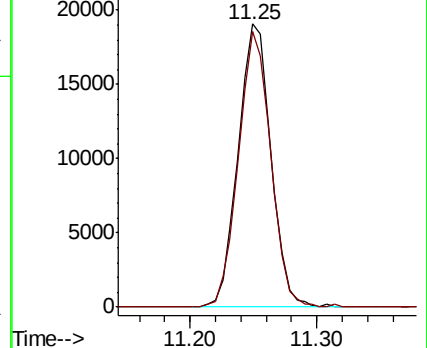
107 100

109 95.7 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 8.883 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

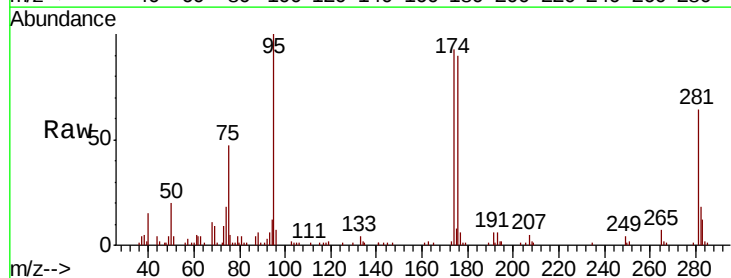
Tgt Ion: 95 Resp: 50739

Ion Ratio Lower Upper

95 100

174 94.6 0.0 183.8

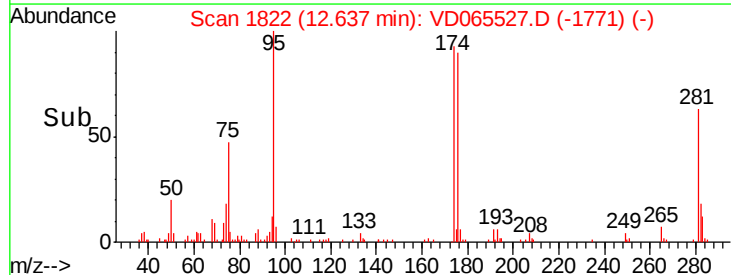
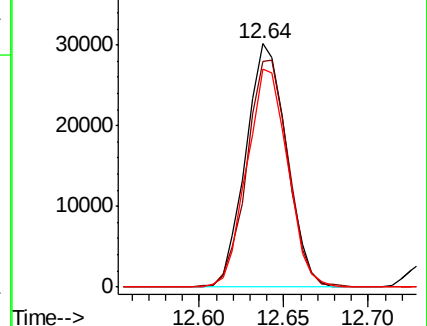
176 89.8 0.0 178.2

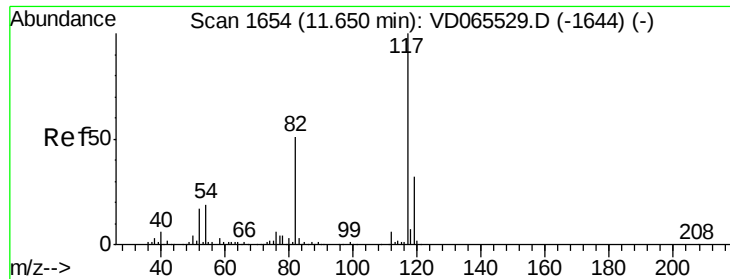


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

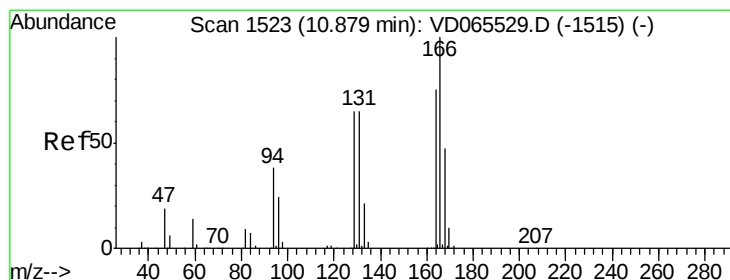
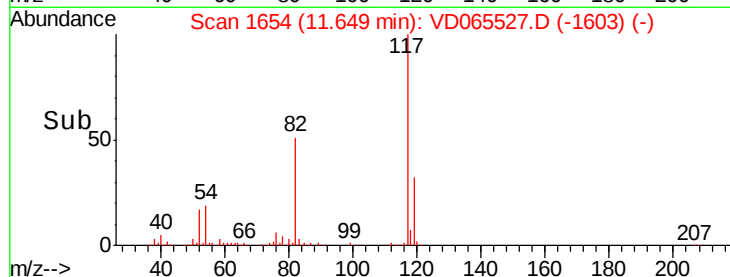
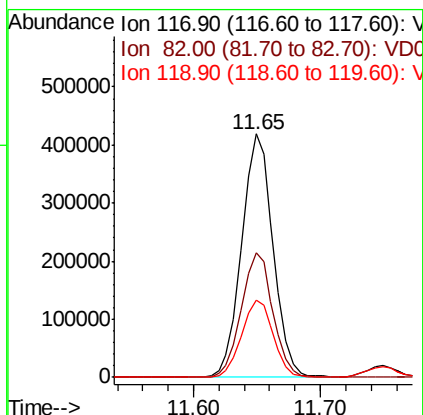
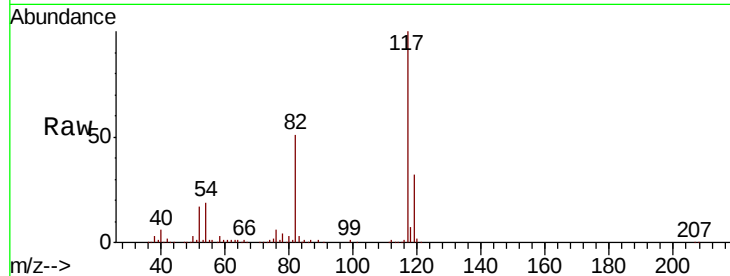




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

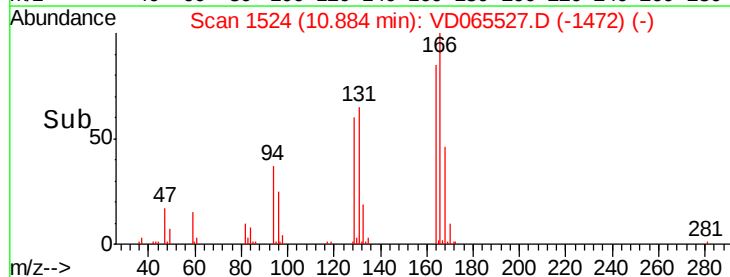
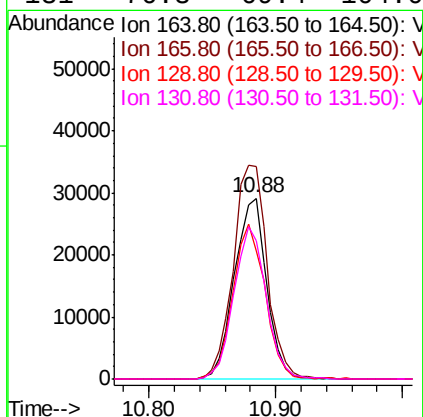
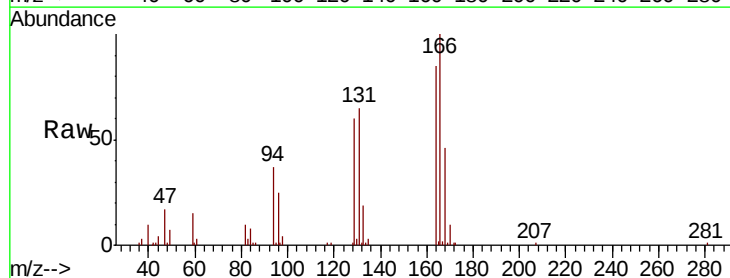
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

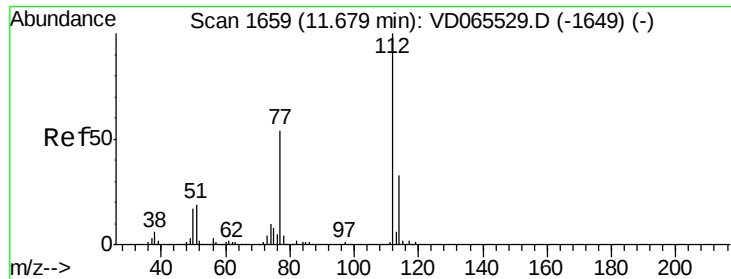
Tot Ion:117 Resp: 719188
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.6
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 10.011 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:164 Resp: 51275
Ion Ratio Lower Upper
164 100
166 117.8 107.1 160.7
129 71.0 69.2 103.8
131 76.3 69.4 104.0





#65

Chlorobenzene

Concen: 9.799 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

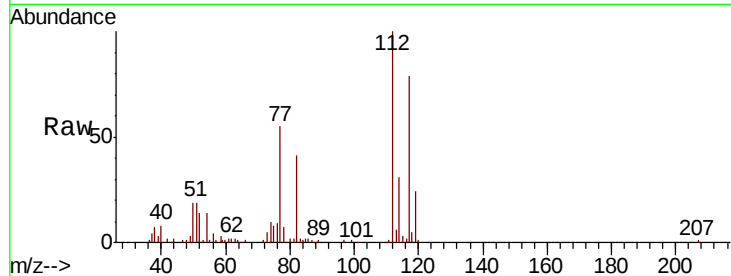
VSTDIC010

Tot Ion:112 Resp: 138420

Ion Ratio Lower Upper

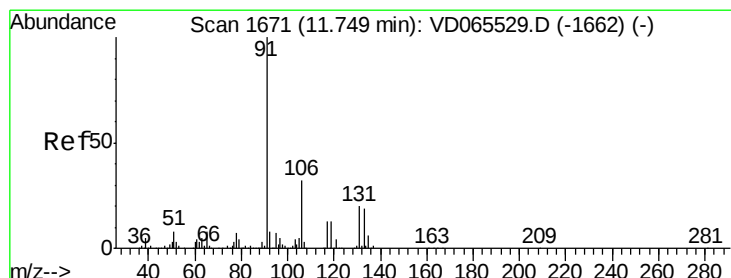
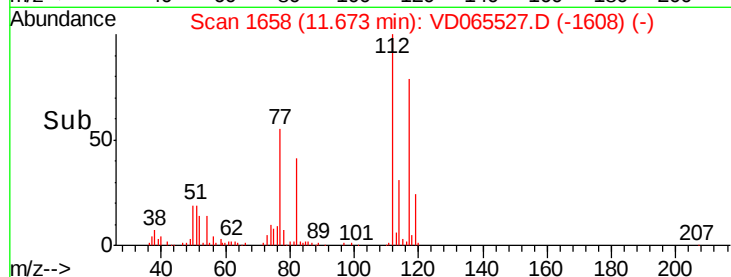
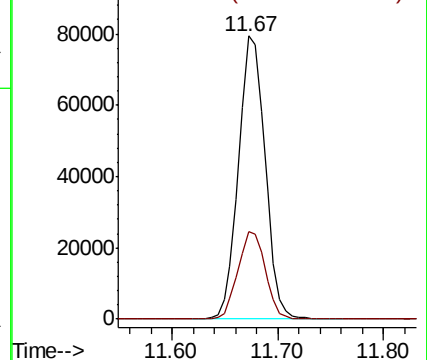
112 100

114 31.0 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.584 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

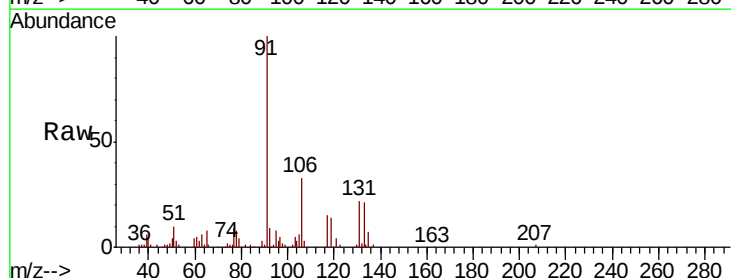
Tgt Ion:131 Resp: 49587

Ion Ratio Lower Upper

131 100

133 98.5 48.9 146.7

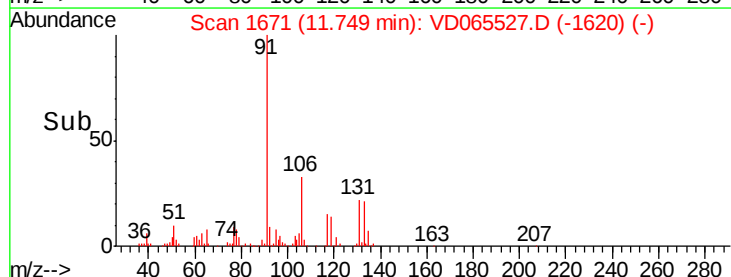
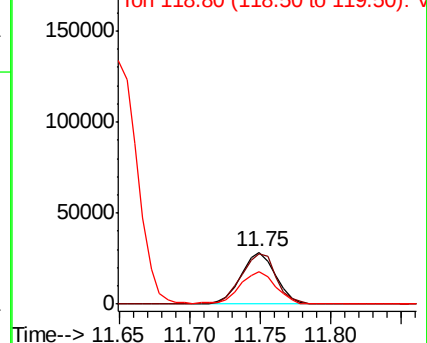
119 64.9 32.5 97.4

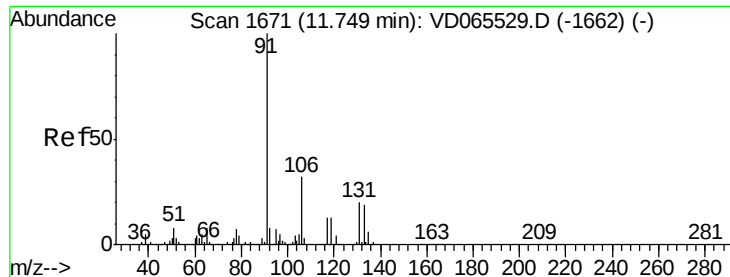


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 8.899 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

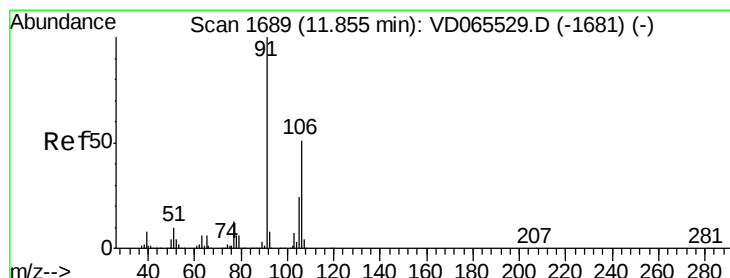
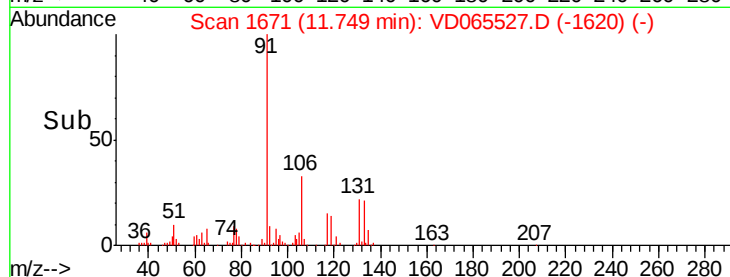
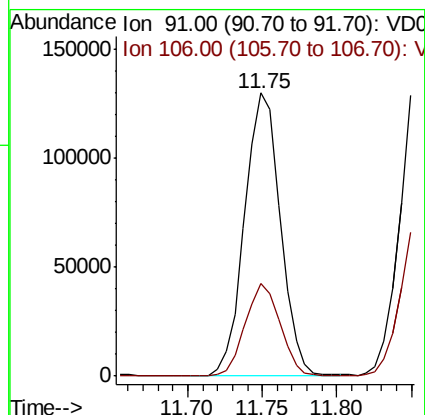
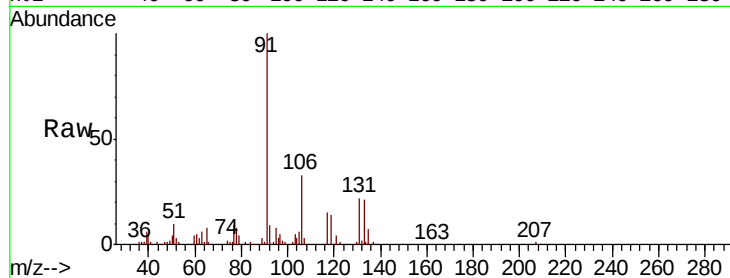
VSTDIC010

Tot Ion: 91 Resp: 216405

Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0



#68

m/p-Xylenes

Concen: 18.385 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065527.D

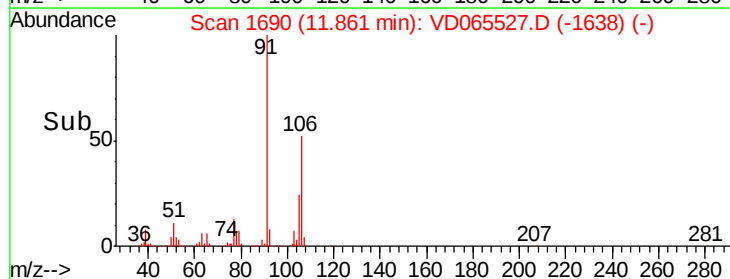
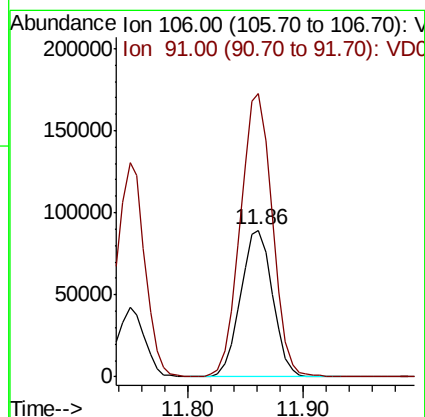
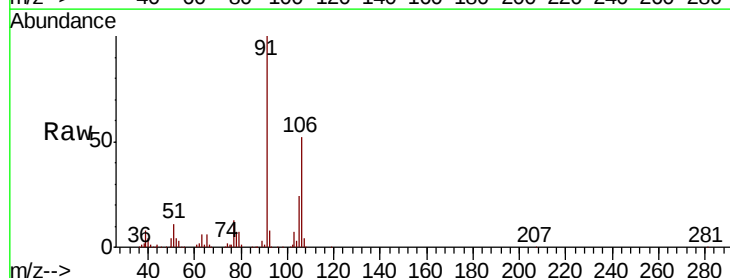
Acq: 26 Mar 2020 16:06

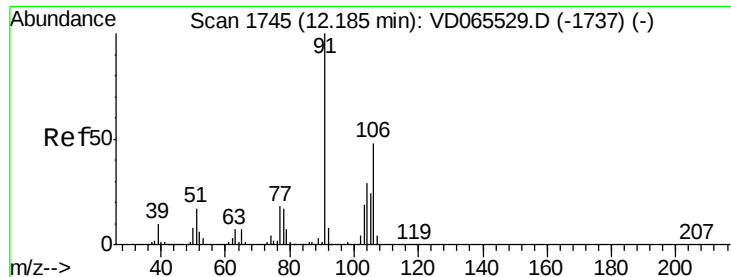
Tgt Ion: 106 Resp: 172553

Ion Ratio Lower Upper

106 100

91 192.1 155.4 233.0

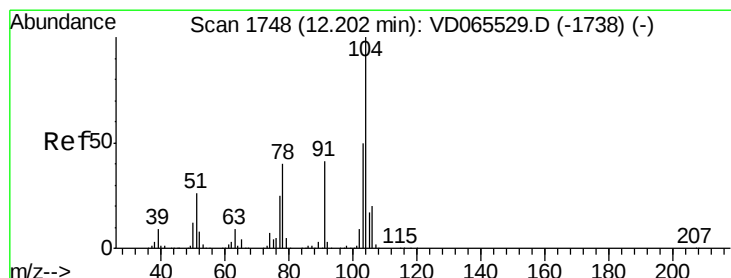
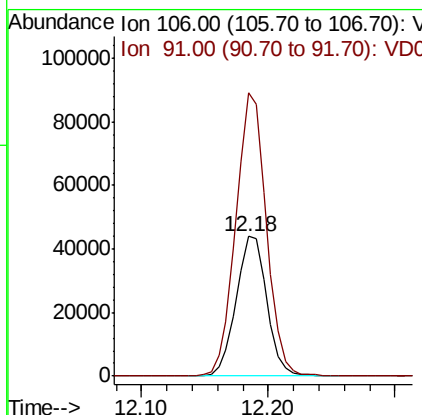
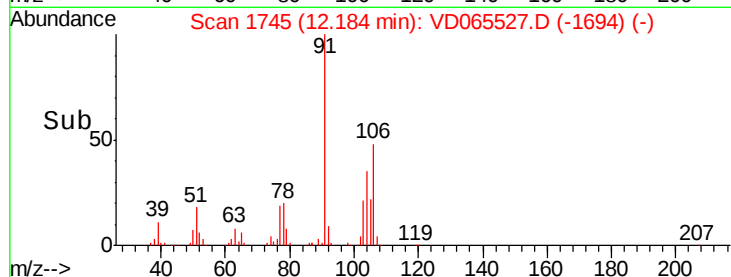
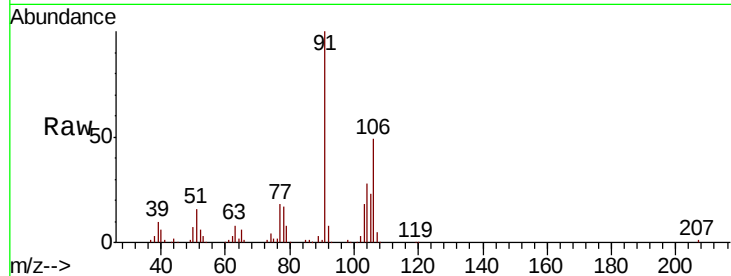




#69
o-Xylene
Concen: 8.915 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

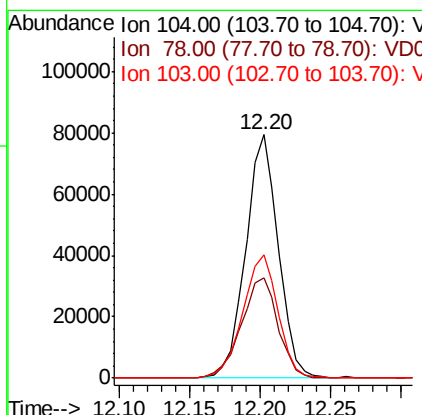
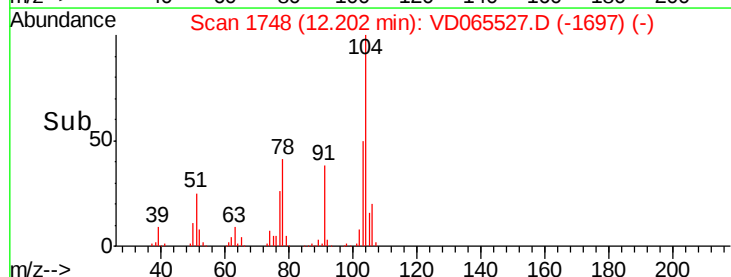
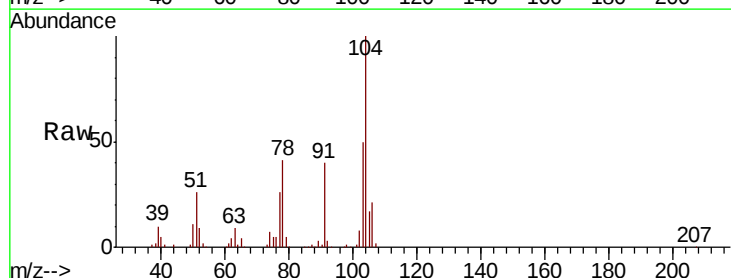
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

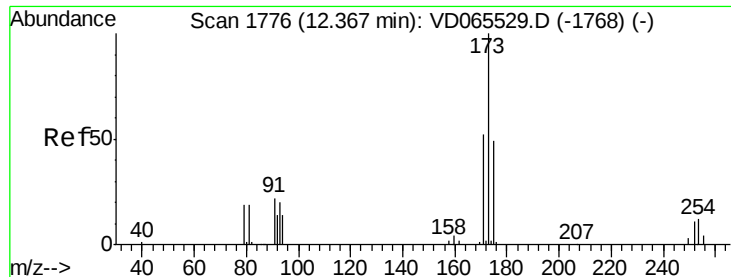
Tot Ion:106 Resp: 73638
Ion Ratio Lower Upper
106 100
91 201.5 102.8 308.4



#70
Styrene
Concen: 8.813 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:104 Resp: 128560
Ion Ratio Lower Upper
104 100
78 46.3 36.6 55.0
103 54.6 43.8 65.6

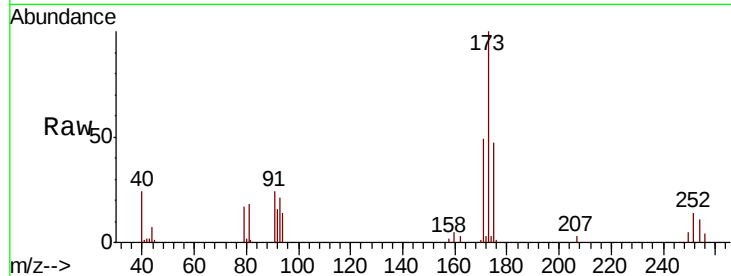




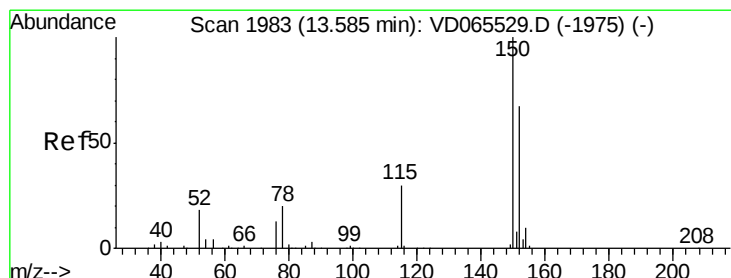
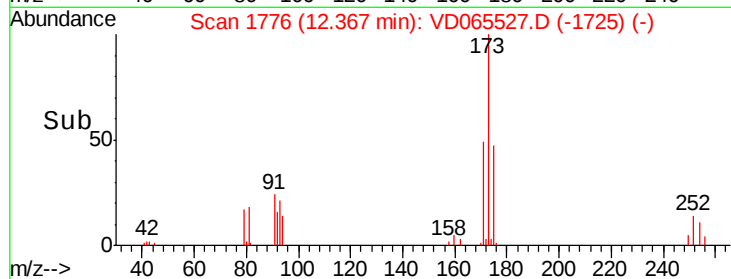
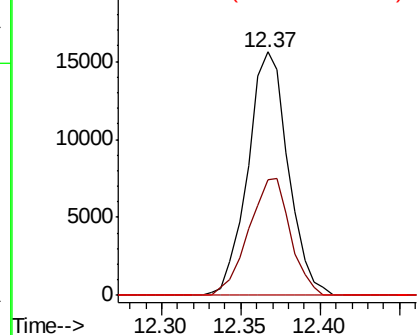
#71
Bromoform
Concen: 9.460 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 27554
Ion Ratio Lower Upper
173 100
175 49.5 24.3 72.8
254 0.0 0.0 0.0

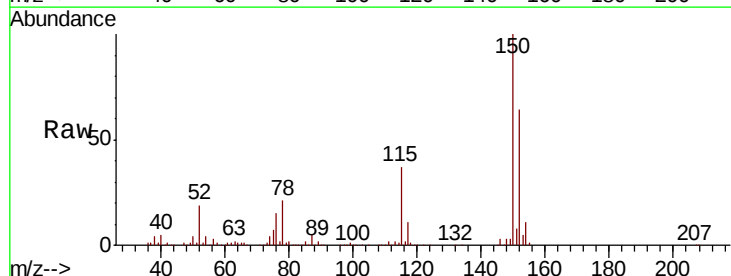


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

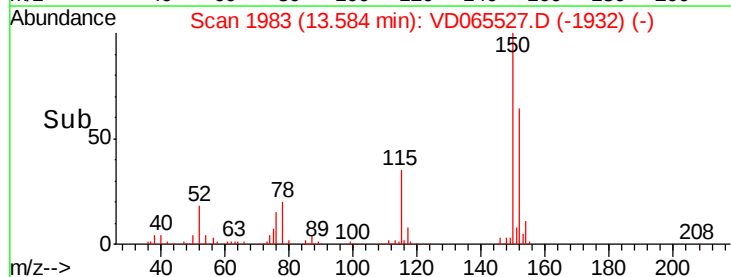
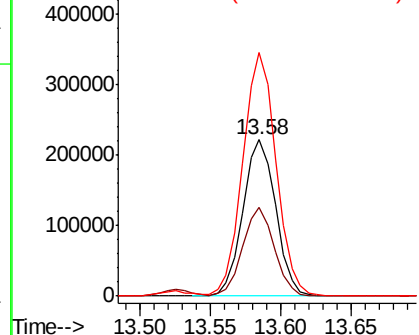


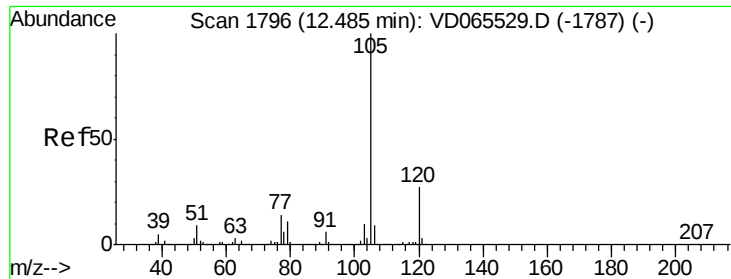
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:152 Resp: 361039
Ion Ratio Lower Upper
152 100
115 55.0 27.2 81.6
150 158.3 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: 8.573 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

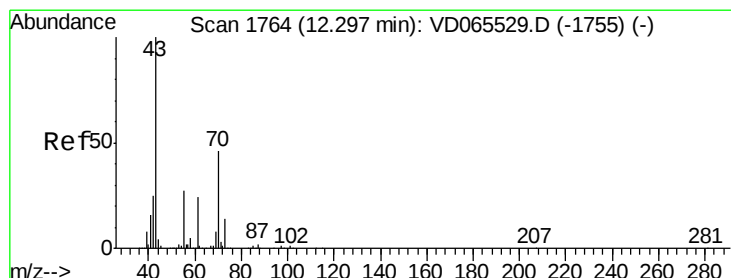
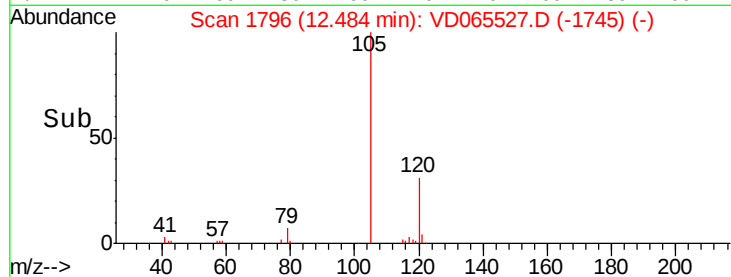
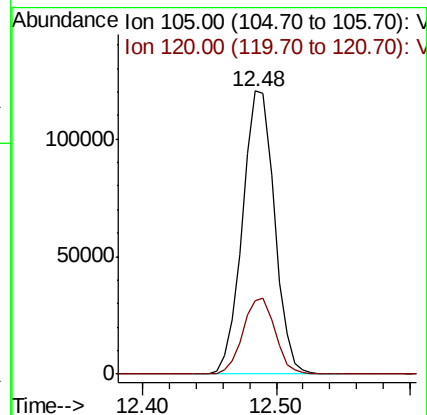
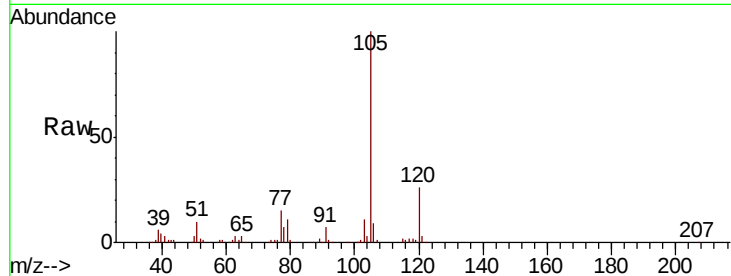
VSTDIC010

Tot Ion:105 Resp: 199451

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



#74

N-ethyl acetate

Concen: 7.693 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Tgt Ion: 43 Resp: 36682

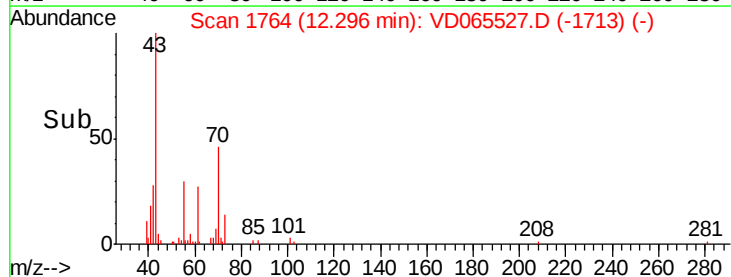
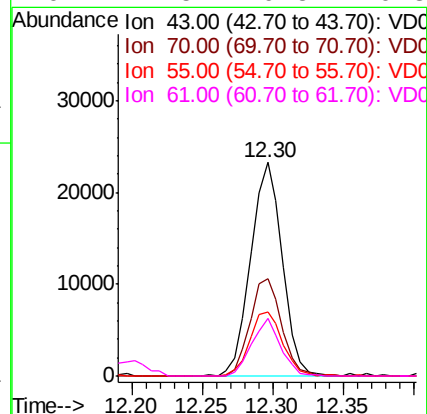
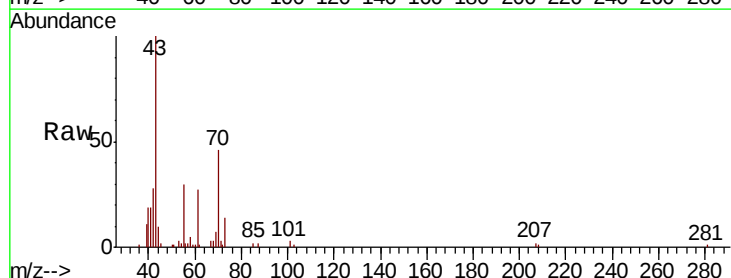
Ion Ratio Lower Upper

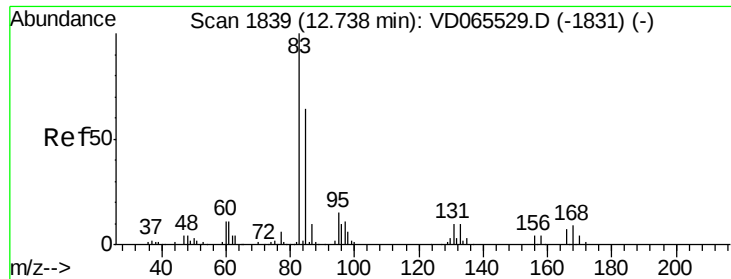
43 100

70 45.2 36.2 54.2

55 31.1 22.2 33.4

61 24.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 9.160 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

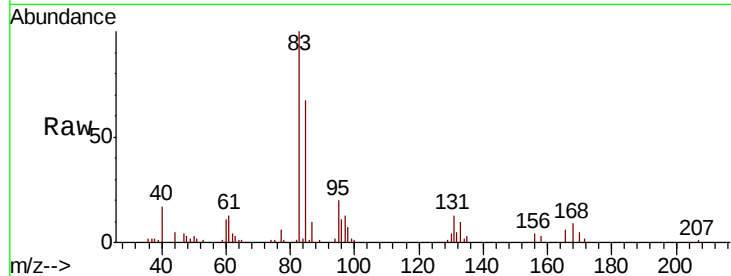
Tot Ion: 83 Resp: 37649

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

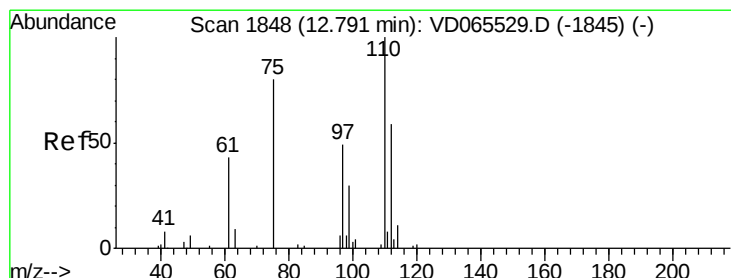
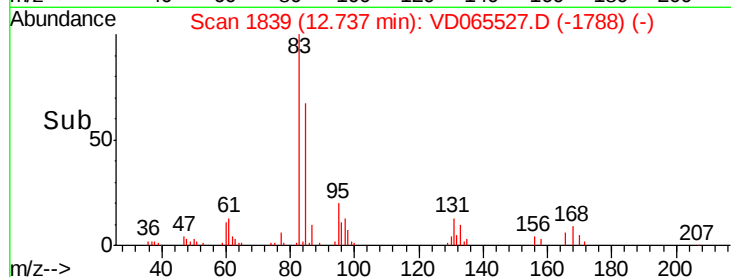
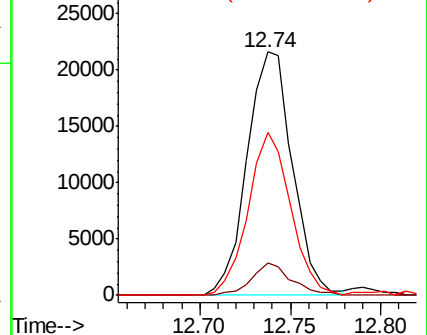
85 62.4 32.6 98.0



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: 15.943 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065527.D

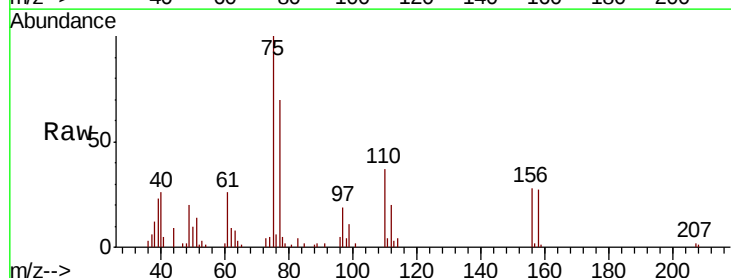
Acq: 26 Mar 2020 16:06

Tgt Ion: 75 Resp: 45767

Ion Ratio Lower Upper

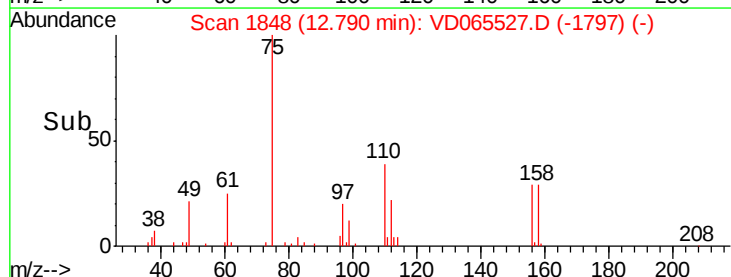
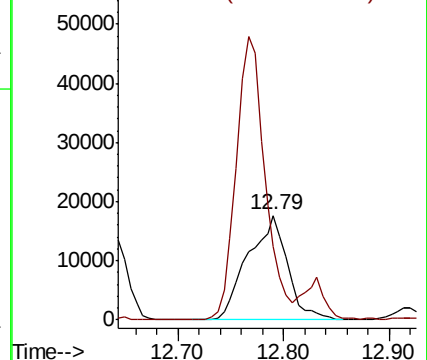
75 100

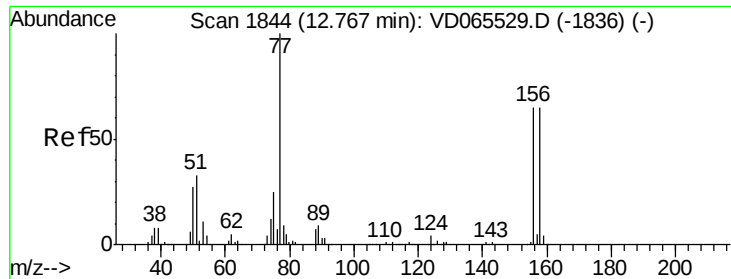
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 9.349 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

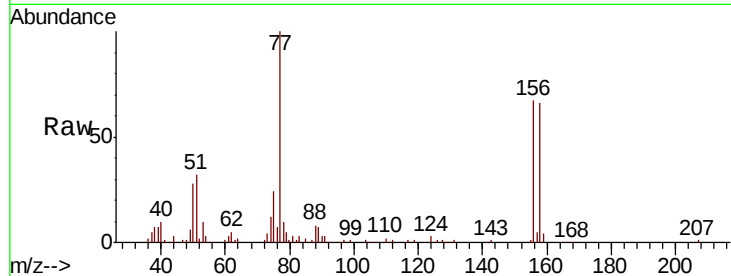
Tot Ion:156 Resp: 54591

Ion Ratio Lower Upper

156 100

77 165.8 81.8 245.3

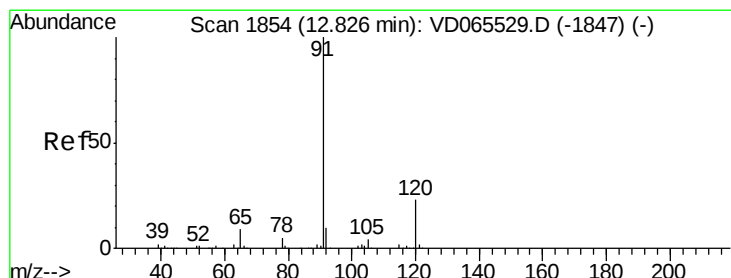
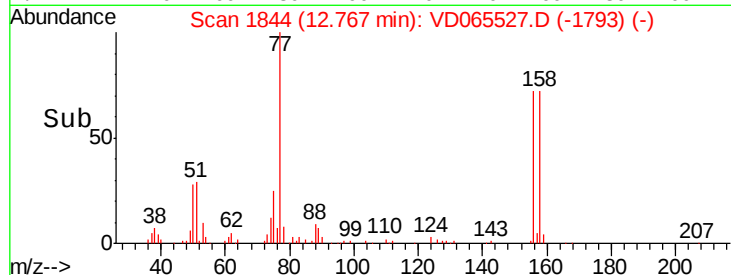
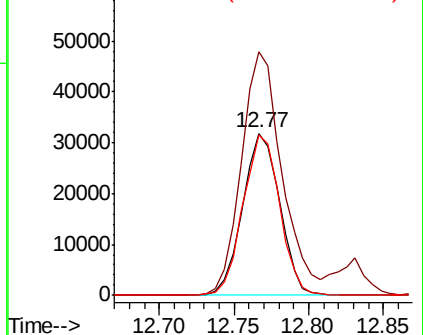
158 98.0 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.607 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065527.D

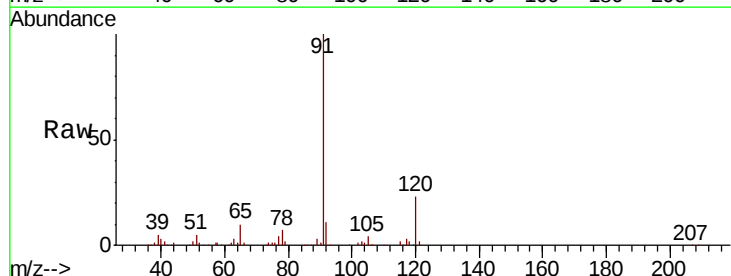
Acq: 26 Mar 2020 16:06

Tgt Ion: 91 Resp: 238410

Ion Ratio Lower Upper

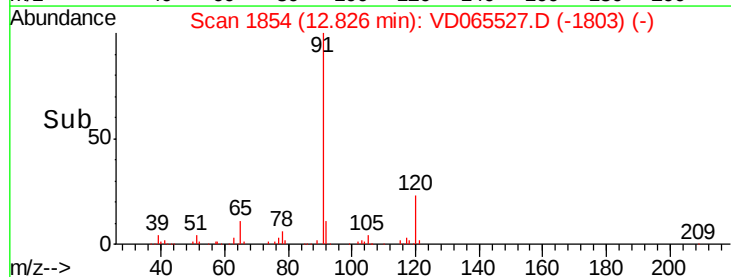
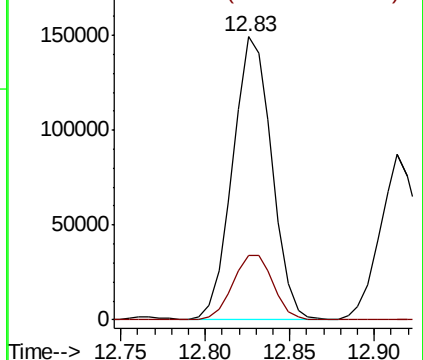
91 100

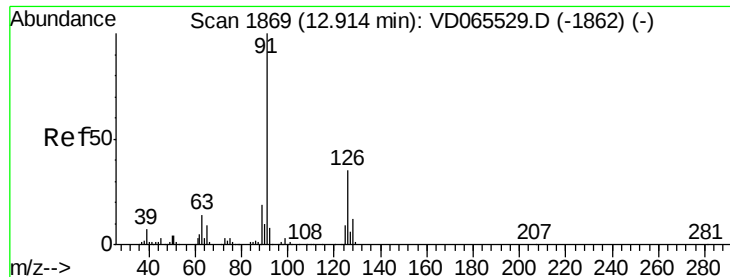
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

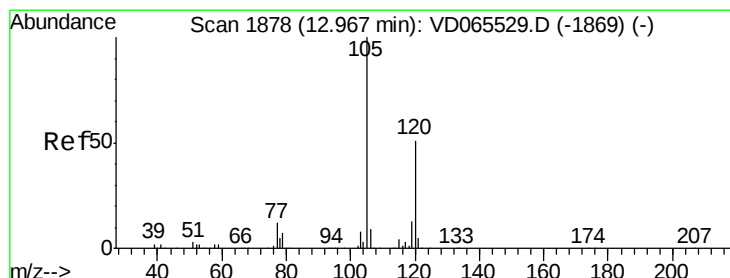
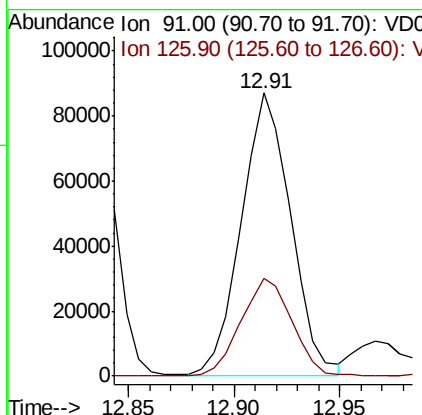
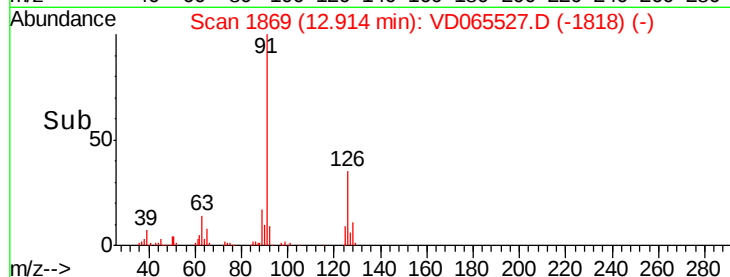
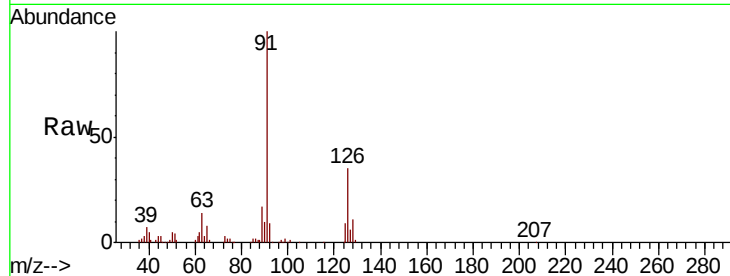




#79
2-Chlorotoluene
Concen: 9.020 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

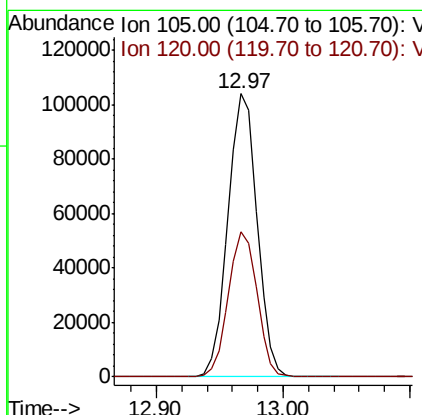
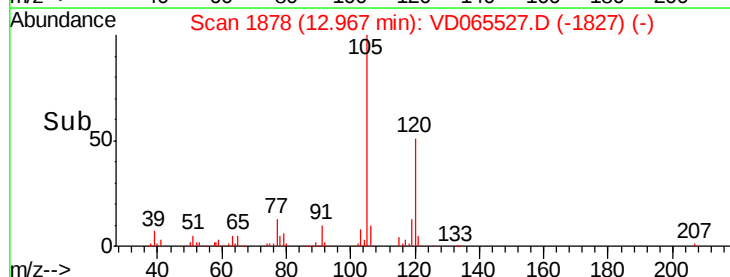
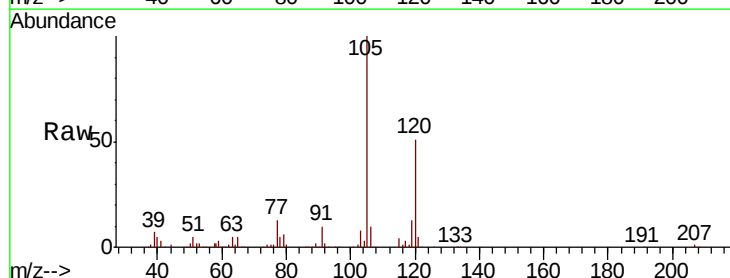
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

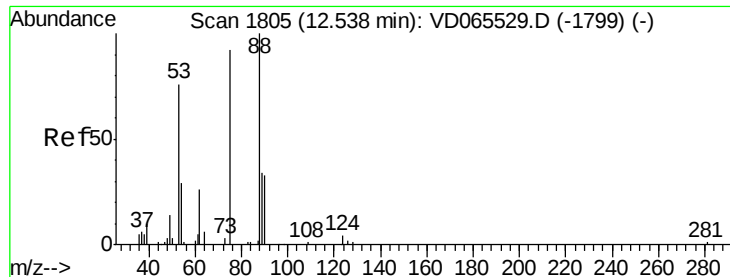
Tot Ion: 91 Resp: 141118
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 8.668 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:105 Resp: 165913
Ion Ratio Lower Upper
105 100
120 50.7 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 8.265 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

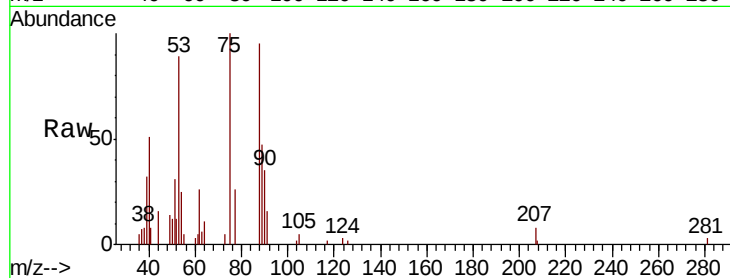
Tot Ion: 75 Resp: 11005

Ion Ratio Lower Upper

75 100

53 99.1 72.4 108.6

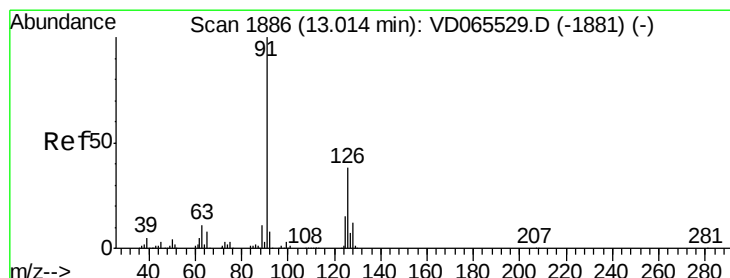
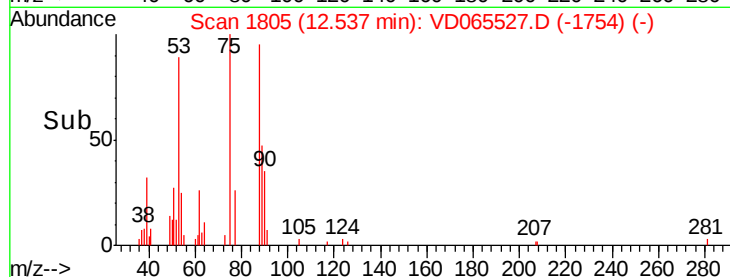
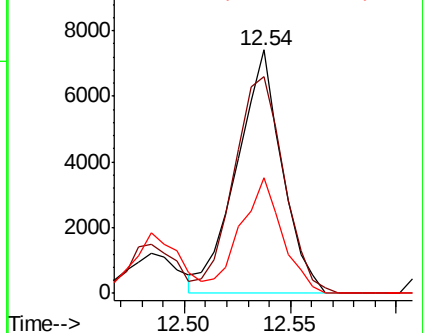
89 44.5 36.9 55.3



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: 9.307 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065527.D

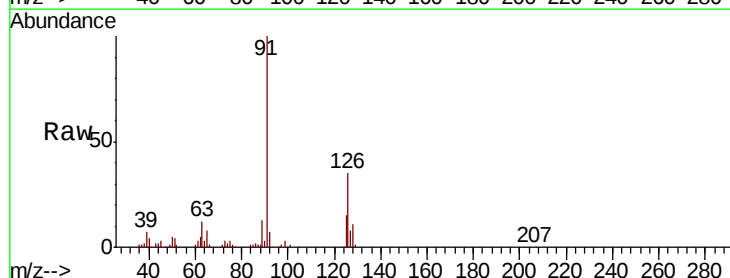
Acq: 26 Mar 2020 16:06

Tgt Ion: 91 Resp: 152869

Ion Ratio Lower Upper

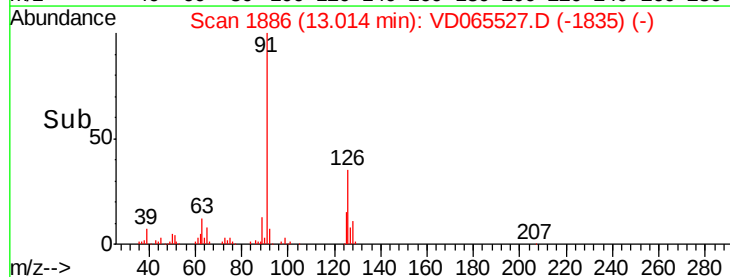
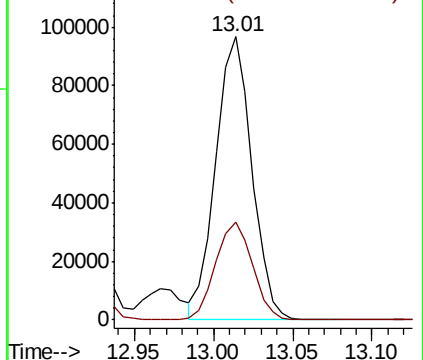
91 100

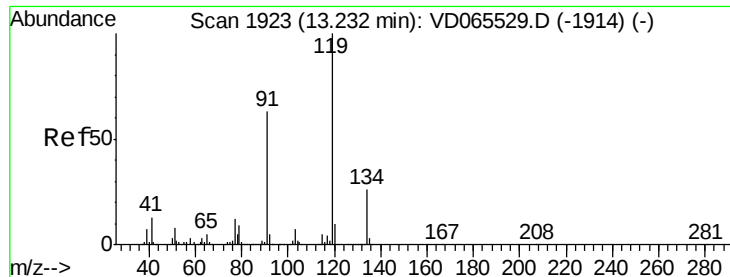
126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 8.264 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

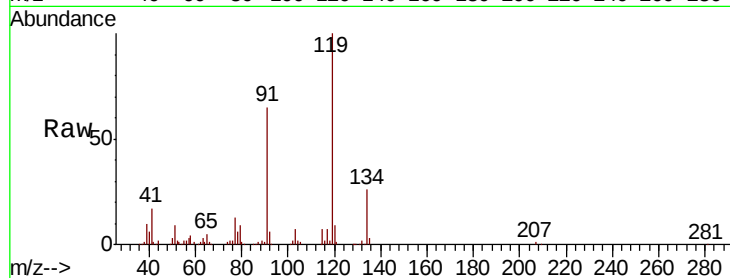
Tot Ion:119 Resp: 134120

Ion Ratio Lower Upper

119 100

91 64.2 31.4 94.0

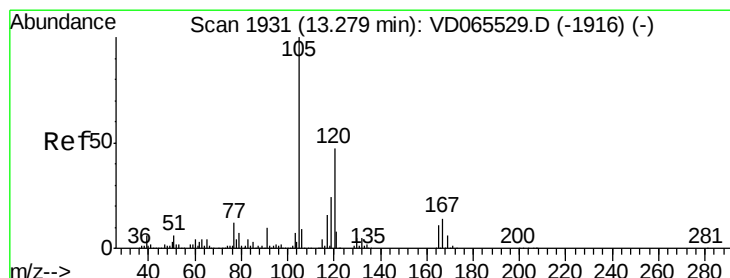
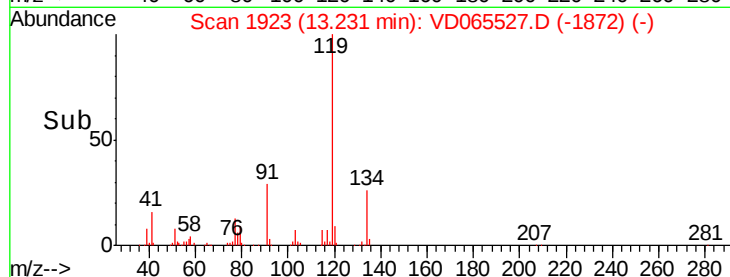
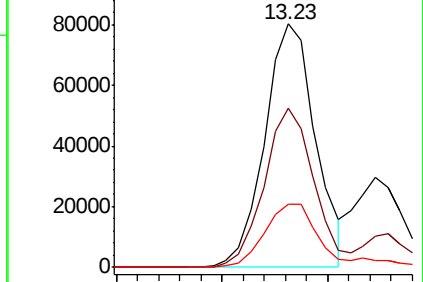
134 26.9 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.791 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065527.D

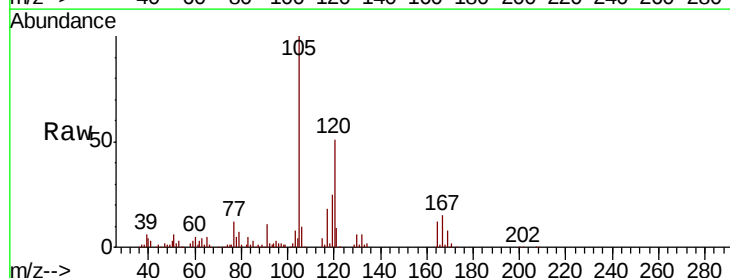
Acq: 26 Mar 2020 16:06

Tgt Ion:105 Resp: 166301

Ion Ratio Lower Upper

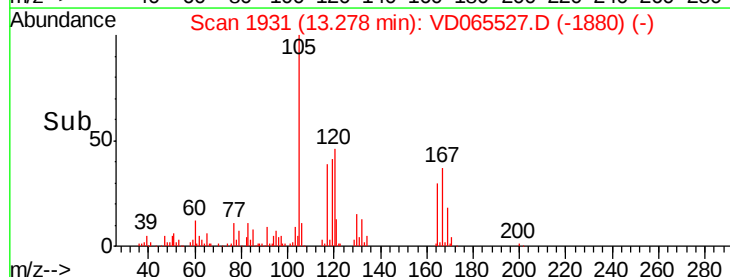
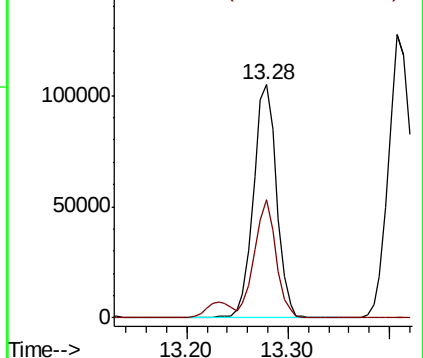
105 100

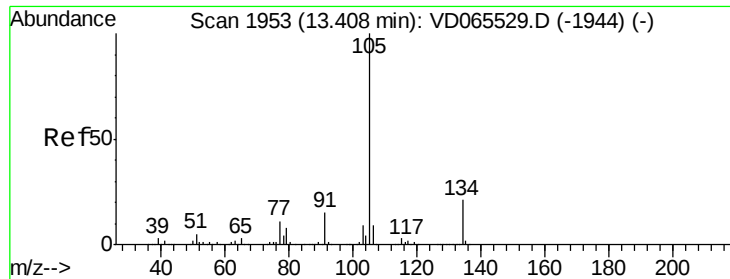
120 47.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 8.638 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

Instrument :

MSVOA_D

ClientSampleID :

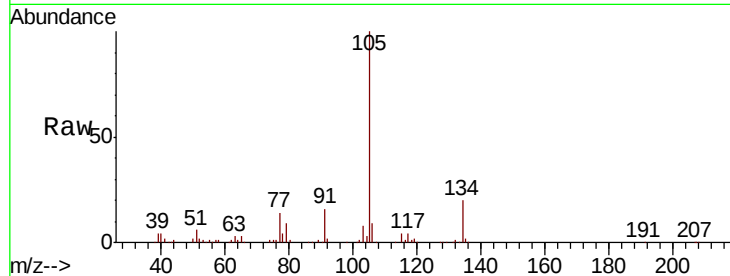
VSTDIC010

Tot Ion:105 Resp: 199315

Ion Ratio Lower Upper

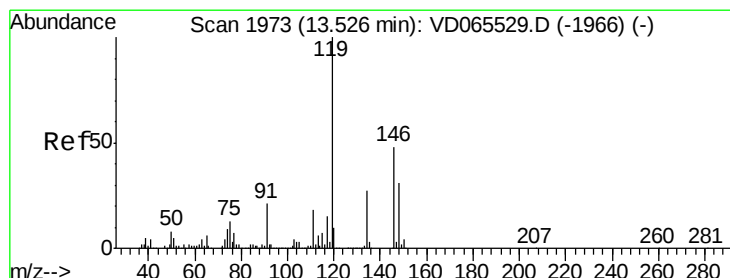
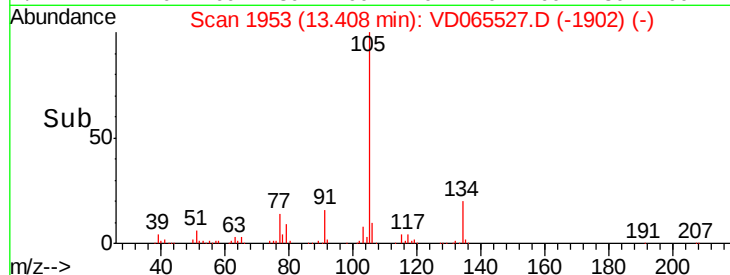
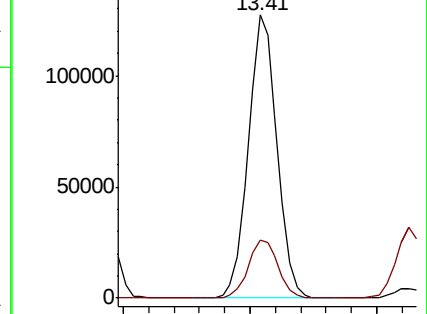
105 100

134 21.2 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: 8.661 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065527.D

Acq: 26 Mar 2020 16:06

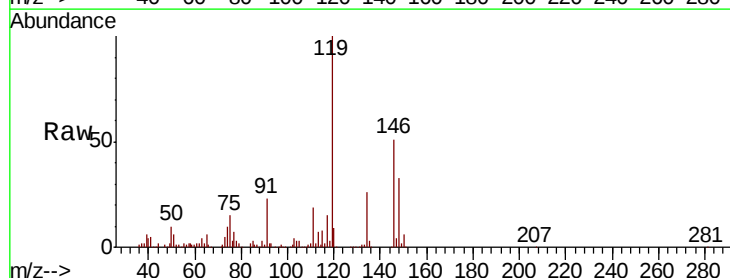
Tgt Ion:119 Resp: 182564

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.5

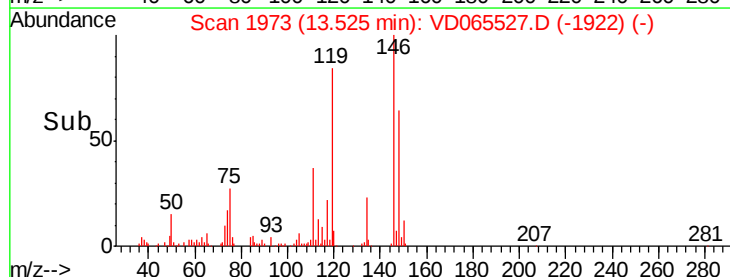
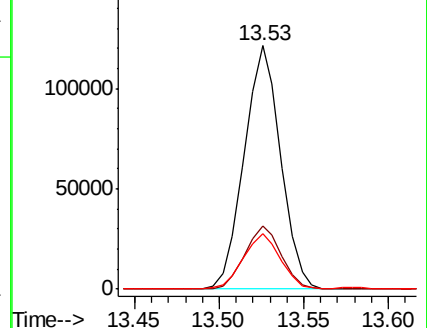
91 22.7 10.8 32.3

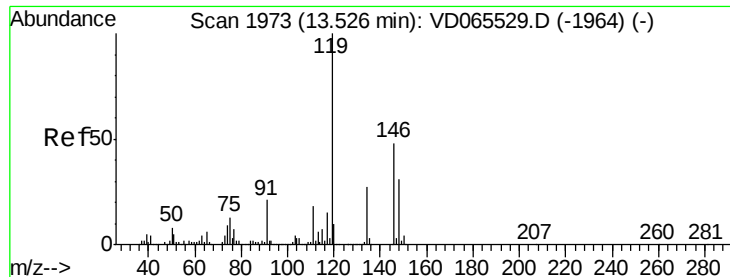


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

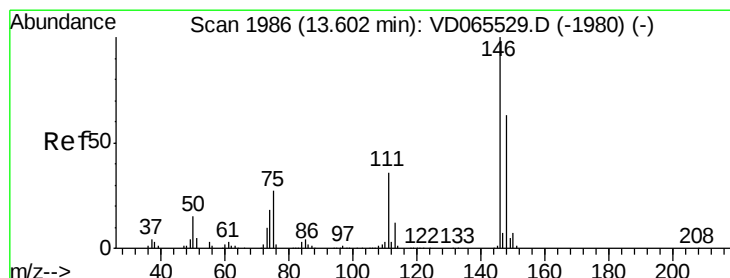
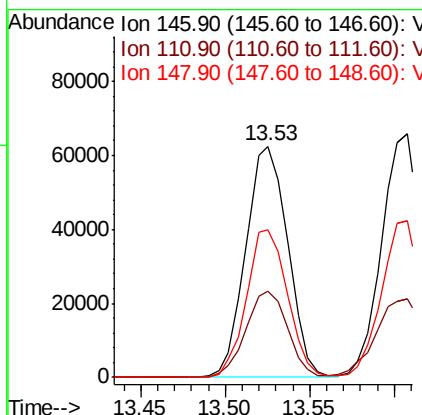
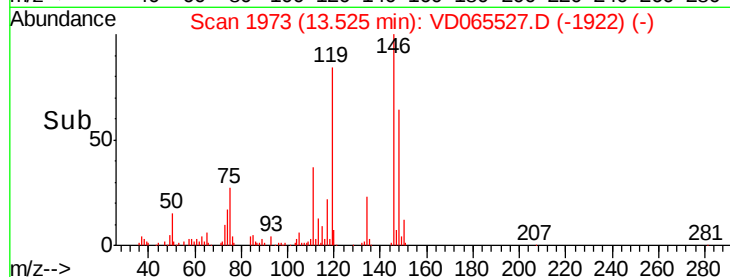
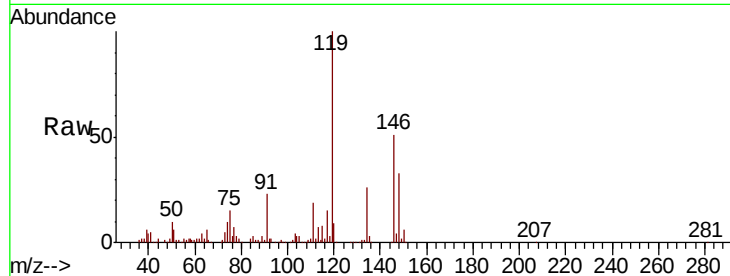




#87
1,3-Dichlorobenzene
Concen: 9.651 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

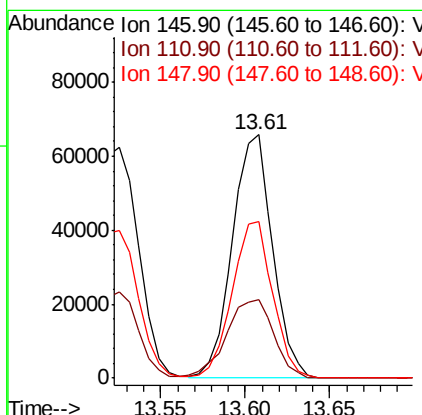
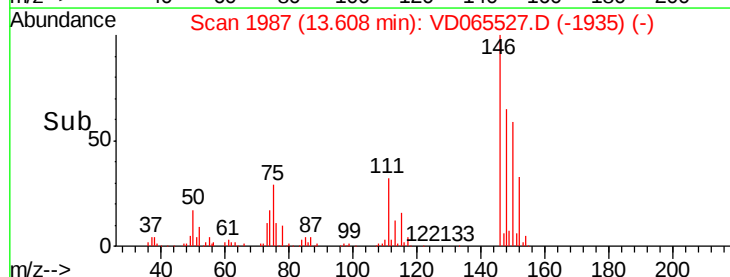
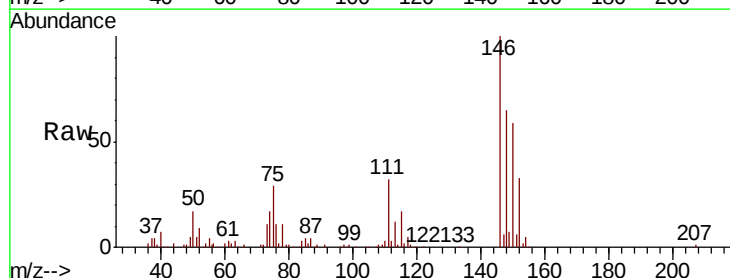
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

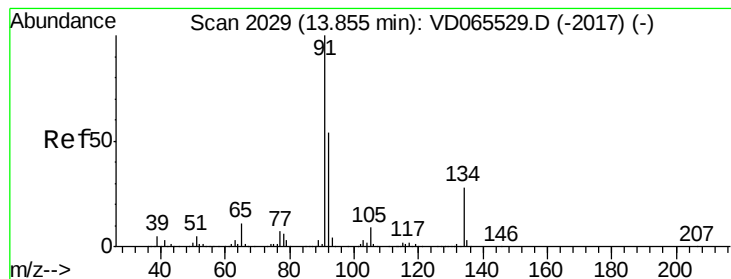
Tot Ion:146	Resp:	108387
Ion	Ratio	Lower Upper
146	100	
111	37.1	18.5 55.5
148	62.5	31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 9.778 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:146	Resp:	109313
Ion	Ratio	Lower Upper
146	100	
111	38.1	18.0 54.0
148	64.9	31.6 94.8

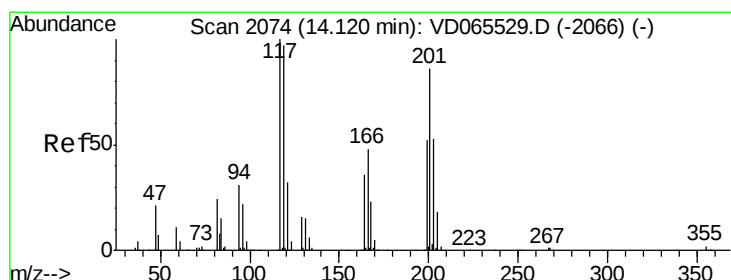
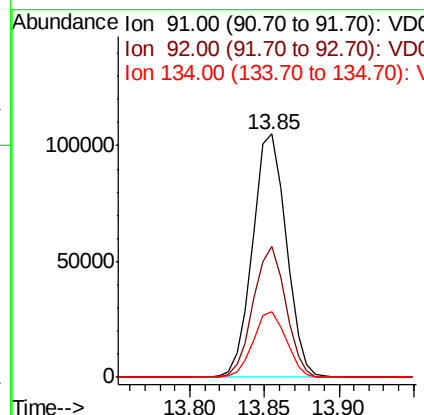
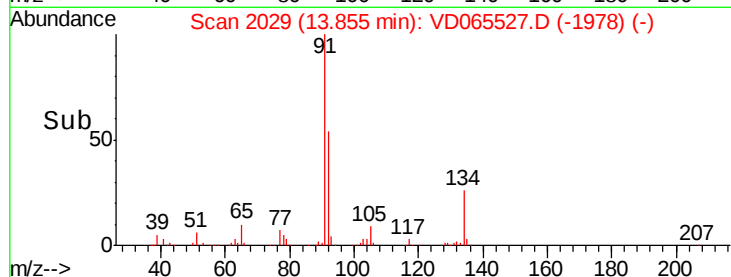
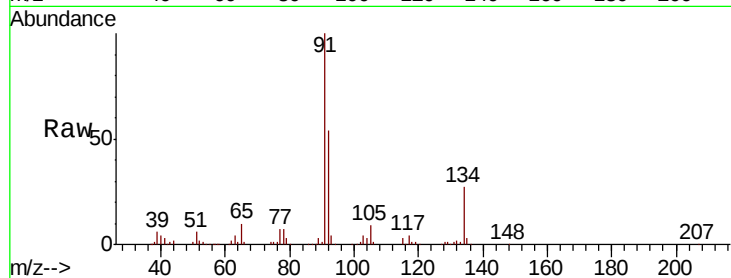




#89
n-Butylbenzene
Concen: 8.437 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

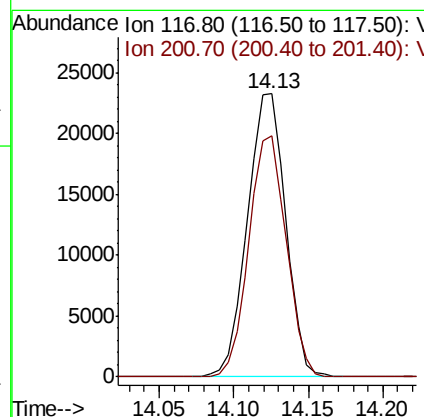
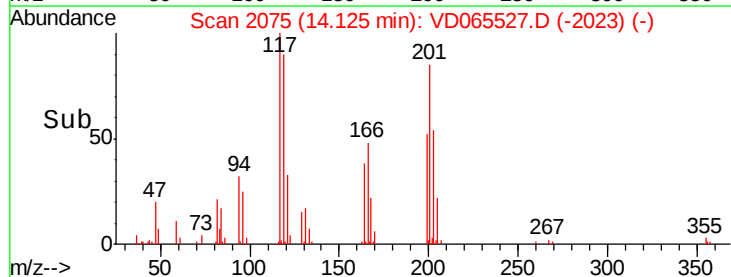
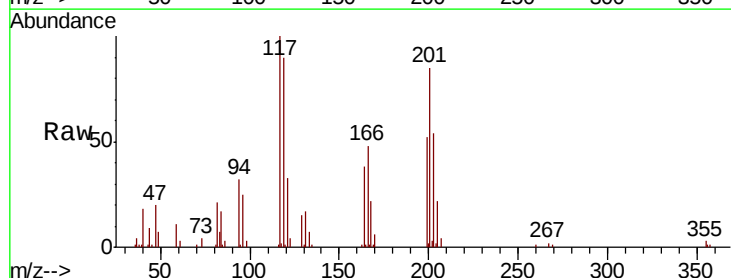
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

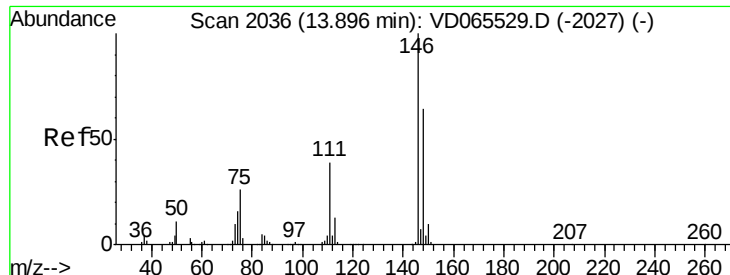
Tot Ion	91	Resp	163727
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.8	80.4
134	26.5	13.7	41.0



#90
Hexachloroethane
Concen: 9.486 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion	117	Resp	41215
Ion	Ratio	Lower	Upper
117	100		
201	83.0	43.9	131.6

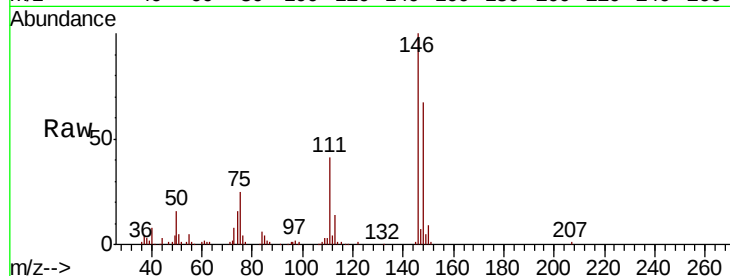




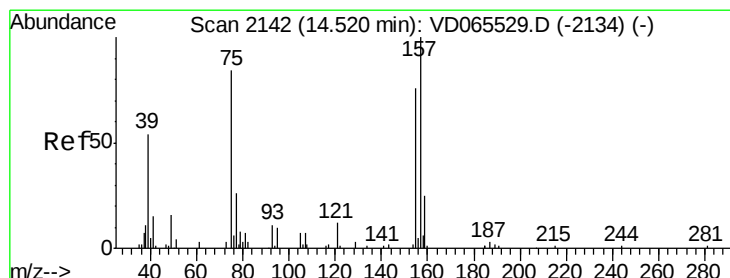
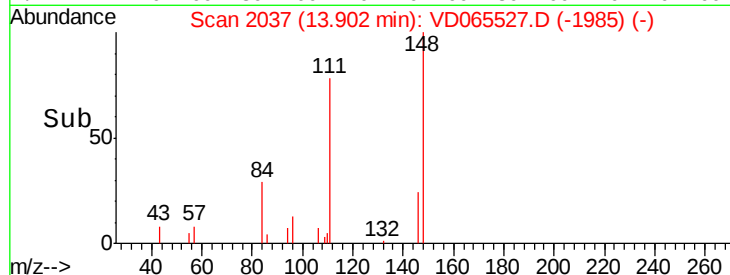
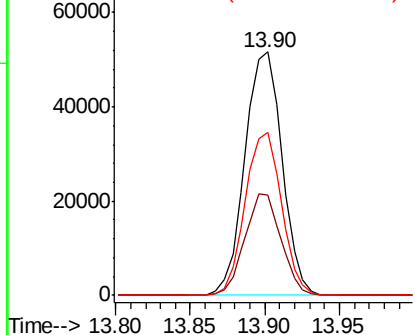
#91
1,2-Dichlorobenzene
Concen: 9.326 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	146	Resp:	89136
Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.4
148	65.6	32.1	96.5

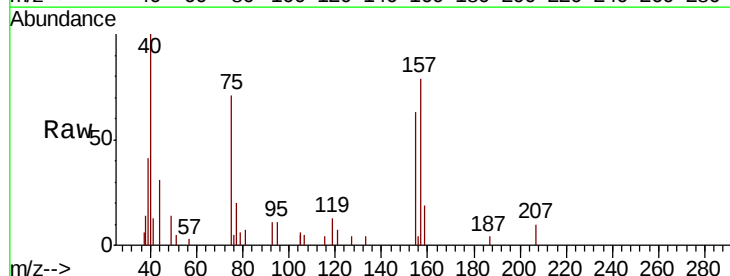


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

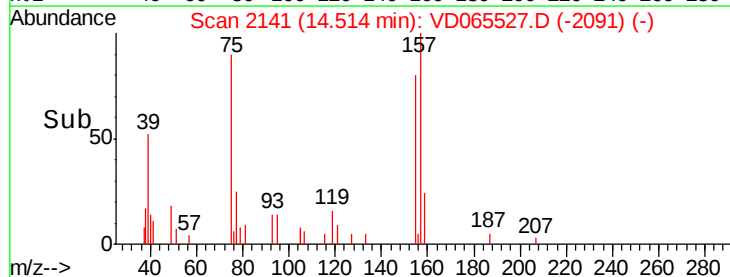
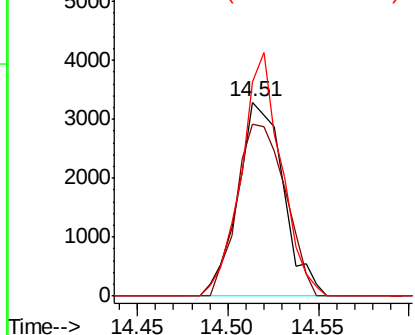


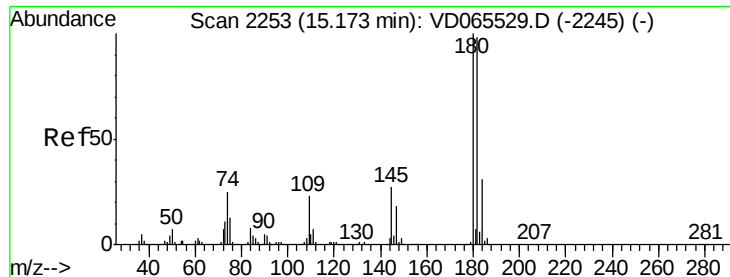
#92
1,2-Dibromo-3-Chloropropane
Concen: 9.140 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.01 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:	75	Resp:	5741
Ion	Ratio	Lower	Upper
75	100		
155	94.6	46.2	138.6
157	110.2	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

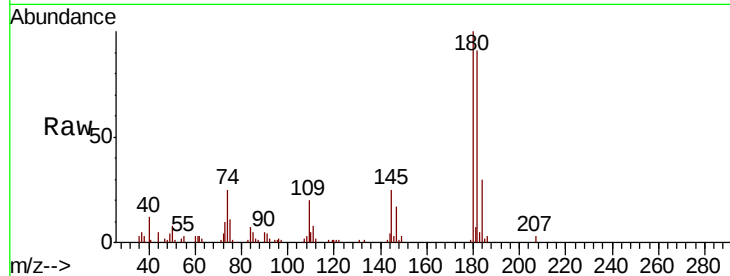




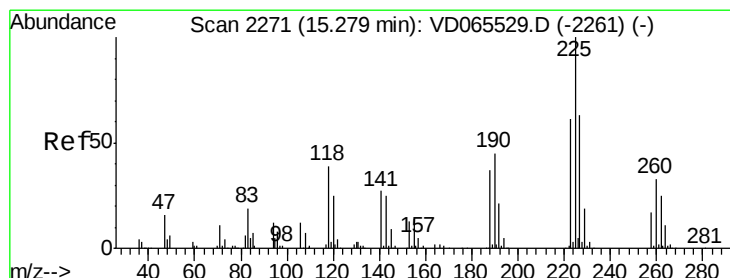
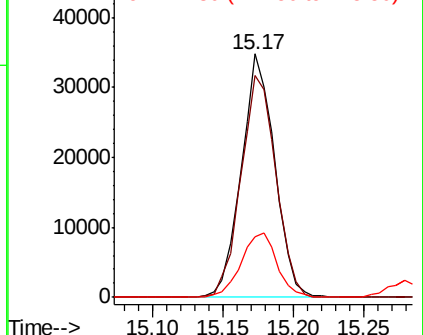
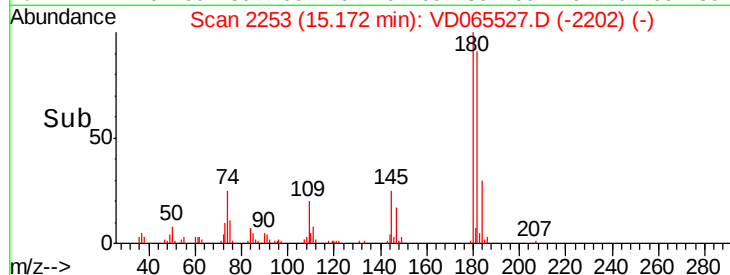
#93
1,2,4-Trichlorobenzene
Concen: 8.845 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	180	Resp:	57395
Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	28.4	13.9	41.6

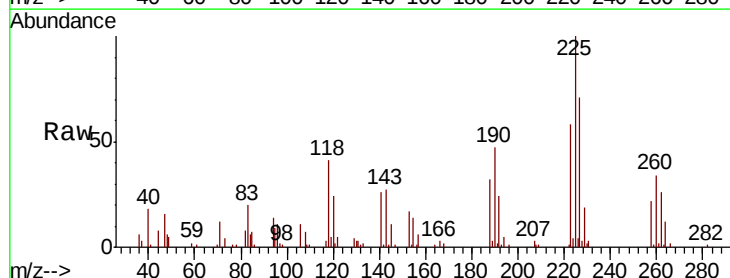


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

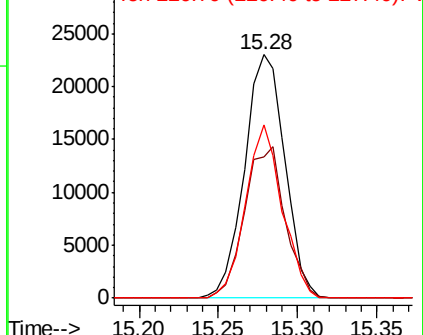
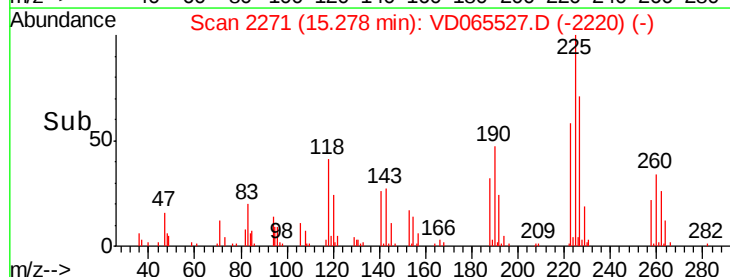


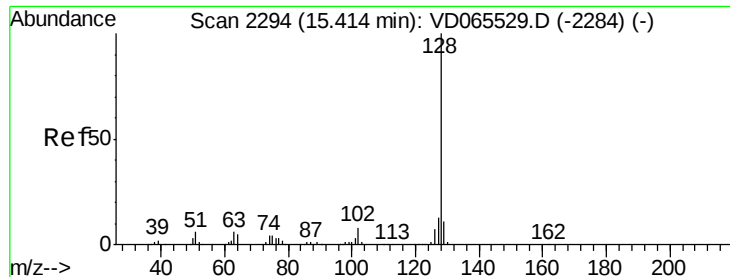
#94
Hexachlorobutadiene
Concen: 9.636 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:	225	Resp:	40828
Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.2	93.6
227	64.6	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

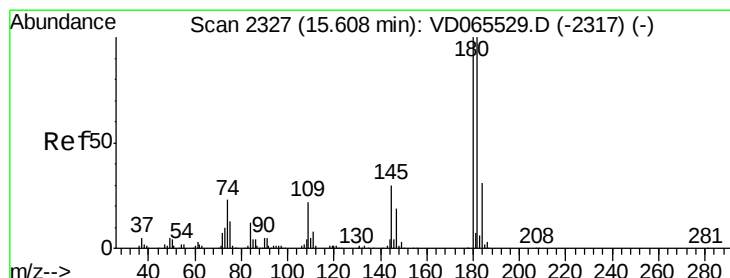
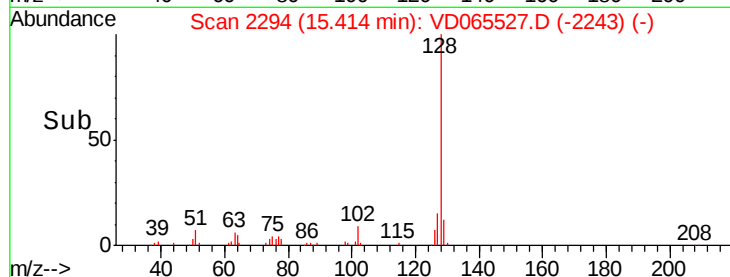
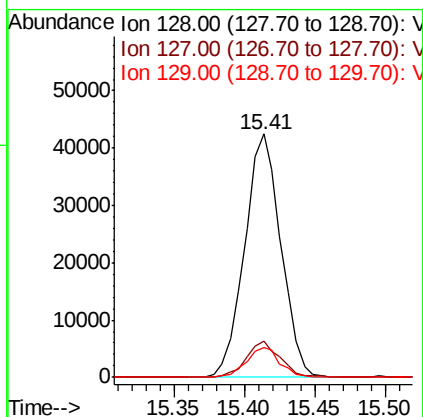
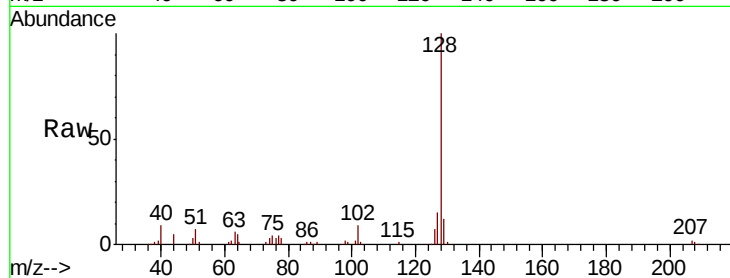




#95
Naphthalene
Concen: 7.387 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	76398
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 8.686 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065527.D
Acq: 26 Mar 2020 16:06

Tgt Ion:	180	Resp:	48690
Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	31.8	15.0	45.0

