

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065920.D
 Acq On : 07 Jul 2020 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 08 09:20:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	20276	5.62	ug/l	0.00
Spiked Amount			Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	22445	5.77	ug/l	0.00
Spiked Amount			Recovery	=	11.54%	
50) Toluene-d8	10.34	98	75915	5.35	ug/l	0.00
Spiked Amount			Recovery	=	10.70%	
62) 4-Bromofluorobenzene	12.64	95	25608	5.25	ug/l	0.00
Spiked Amount			Recovery	=	10.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	19669	5.434	ug/l	88
3) Chloromethane	2.21	50	19832	5.527	ug/l	99
4) Vinyl Chloride	2.35	62	17824	5.410	ug/l	99
5) Bromomethane	2.77	94	12350	5.918	ug/l	98
6) Chloroethane	2.92	64	11071	5.621	ug/l	92
7) Trichlorofluoromethane	3.27	101	38064	5.391	ug/l	91
8) Diethyl Ether	3.71	74	10503	5.422	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	23073	5.463	ug/l	97
10) Methyl Iodide	4.30	142	16050	4.001	ug/l #	90
11) Tert butyl alcohol	5.20	59	4341	16.983	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	21732	5.508	ug/l #	95
13) Acrolein	3.92	56	6505	30.556	ug/l	94
14) Allyl chloride	4.71	41	33720	5.043	ug/l	96
15) Acrylonitrile	5.41	53	21067	24.839	ug/l	94
16) Acetone	4.16	43	23696	28.022	ug/l	99
17) Carbon Disulfide	4.41	76	67569	5.374	ug/l	99
18) Methyl Acetate	4.72	43	12552	6.332	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	39893	4.775	ug/l	100
20) Methylene Chloride	4.97	84	43157	7.184	ug/l #	76
21) trans-1,2-Dichloroethene	5.47	96	23512	5.296	ug/l	87
22) Diisopropyl ether	6.36	45	62622	4.983	ug/l	98
23) Vinyl Acetate	6.30	43	166216	23.173	ug/l	97
24) 1,1-Dichloroethane	6.26	63	39756	5.306	ug/l	97
25) 2-Butanone	7.21	43	29239	26.167	ug/l	99
26) 2,2-Dichloropropane	7.20	77	35544	5.422	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	24669	5.172	ug/l	97
28) Bromochloromethane	7.54	49	14380	5.080	ug/l	98
29) Tetrahydrofuran	7.56	42	18858	26.540	ug/l	95
30) Chloroform	7.71	83	40657	5.352	ug/l	90
31) Cyclohexane	7.98	56	43745	5.933	ug/l #	78
32) 1,1,1-Trichloroethane	7.90	97	36249	5.229	ug/l	97
36) 1,1-Dichloropropene	8.11	75	32858	5.274	ug/l	95
37) Ethyl Acetate	7.29	43	13552	5.191	ug/l #	94
38) Carbon Tetrachloride	8.10	117	36109	5.407	ug/l	91

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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 08 09:20:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38045	4.974	ug/l	96
40) Benzene	8.34	78	87728	5.097	ug/l	100
41) Methacrylonitrile	7.53	41	7760	5.001	ug/l #	91
42) 1,2-Dichloroethane	8.42	62	25834	5.298	ug/l	99
43) Isopropyl Acetate	8.45	43	23744	4.886	ug/l	97
44) Trichloroethene	9.11	130	25647	5.071	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21656	5.069	ug/l	93
46) Dibromomethane	9.48	93	11661	5.243	ug/l	98
47) Bromodichloromethane	9.66	83	30649	5.137	ug/l	92
48) Methyl methacrylate	9.46	41	10873	4.445	ug/l	89
49) 1,4-Dioxane	9.46	88	2913	110.224	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	62016	25.243	ug/l	92
52) Toluene	10.40	92	53978	4.929	ug/l	93
53) t-1,3-Dichloropropene	10.62	75	27186	4.846	ug/l #	87
54) cis-1,3-Dichloropropene	10.09	75	33633	4.962	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	15627	5.099	ug/l	95
56) Ethyl methacrylate	10.66	69	16408	4.384	ug/l	93
57) 1,3-Dichloropropane	10.94	76	26743	4.990	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	45461	25.079	ug/l	98
59) 2-Hexanone	10.98	43	40511	23.977	ug/l	95
60) Dibromochloromethane	11.14	129	21068	5.032	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16666	5.455	ug/l	90
64) Tetrachloroethene	10.88	164	22567	5.307	ug/l	94
65) Chlorobenzene	11.67	112	58978	5.005	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22822	5.178	ug/l	96
67) Ethyl Benzene	11.75	91	104392	4.987	ug/l	98
68) m/p-Xylenes	11.86	106	78158	9.828	ug/l	99
69) o-Xylene	12.18	106	34043	4.699	ug/l	95
70) Styrene	12.20	104	61421	4.911	ug/l	97
71) Bromoform	12.37	173	13033	5.226	ug/l #	99
73) Isopropylbenzene	12.48	105	93525	4.668	ug/l	98
74) N-amyl acetate	12.29	43	21247	4.726	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	16900	5.081	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22584	9.417	ug/l #	100
77) Bromobenzene	12.76	156	24000	4.939	ug/l	97
78) n-propylbenzene	12.82	91	113066	4.814	ug/l	97
79) 2-Chlorotoluene	12.91	91	66766	5.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	77027	4.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	5044	4.501	ug/l	94
82) 4-Chlorotoluene	13.01	91	69801	4.993	ug/l	99
83) tert-Butylbenzene	13.23	119	63493	4.548	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	78895	4.837	ug/l	100
85) sec-Butylbenzene	13.40	105	94364	4.769	ug/l	98
86) p-Isopropyltoluene	13.52	119	85475	4.723	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	44693	4.915	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	45514	5.017	ug/l	93
89) n-Butylbenzene	13.84	91	81532	4.798	ug/l	96
90) Hexachloroethane	14.11	117	18024	4.939	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	39690	4.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2835	5.097	ug/l	91

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Data File : VD065920.D
Acq On : 07 Jul 2020 13:40
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jul 08 09:20:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

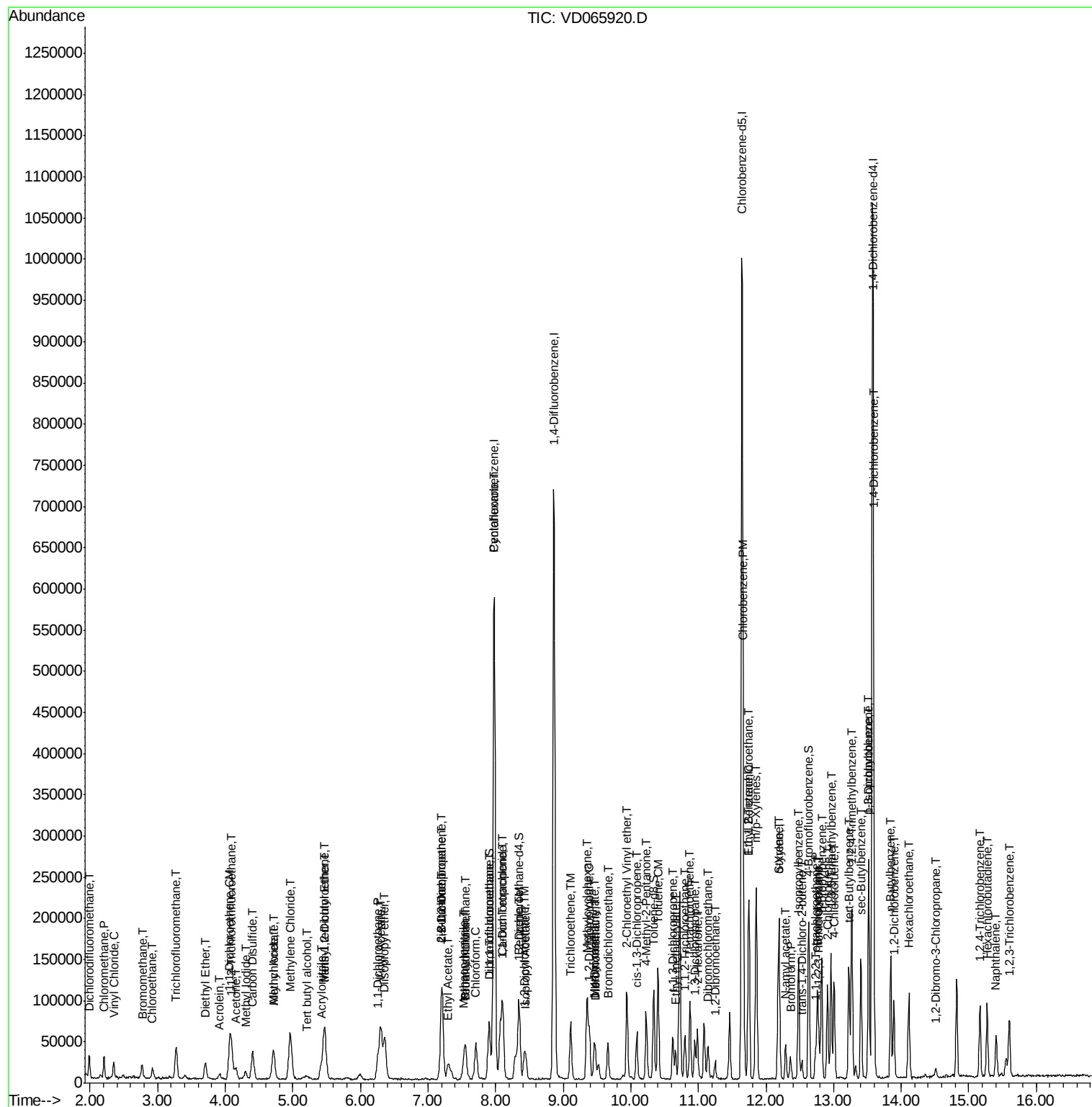
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27349	4.829	ug/l	98
94) Hexachlorobutadiene	15.27	225	17477	5.101	ug/l	95
95) Naphthalene	15.40	128	43924	4.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	23179	4.745	ug/l	98

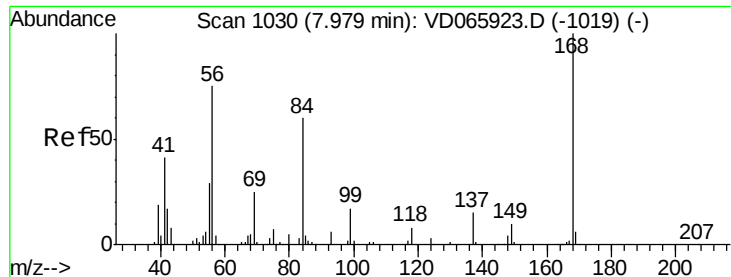
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
Data File : VD065920.D
Acq On : 07 Jul 2020 13:40
Operator : VA/SY
Sample : VSTDIC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Jul 08 09:20:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

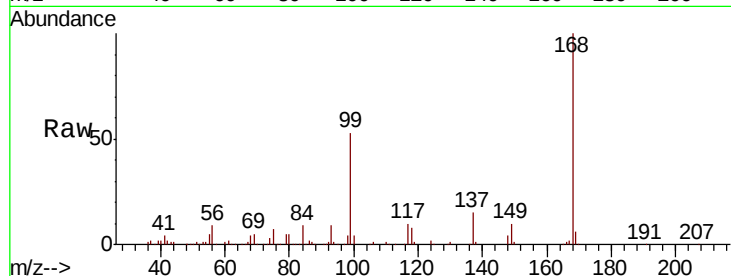
VSTDIC005

Tot Ion:168 Resp: 407147

Ion Ratio Lower Upper

168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

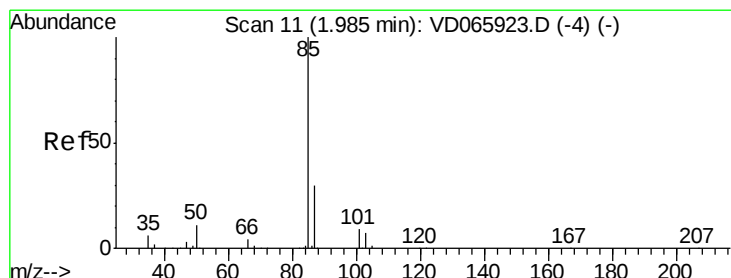
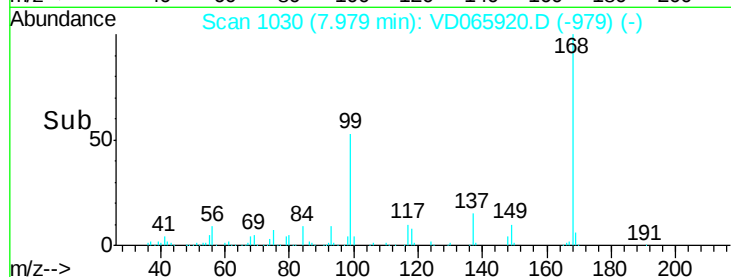
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.434 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065920.D

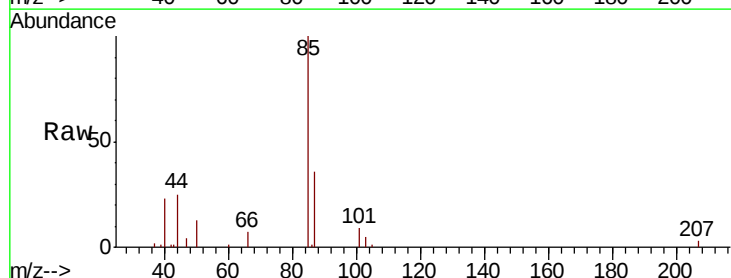
Acq: 07 Jul 2020 13:40

Tgt Ion: 85 Resp: 19669

Ion Ratio Lower Upper

85 100

87 36.4 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

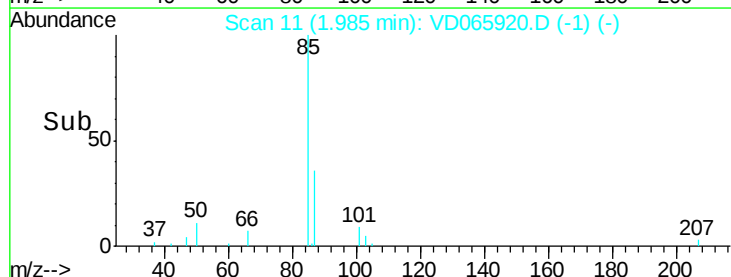
15000

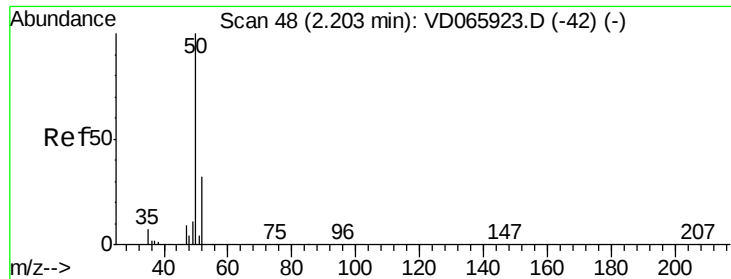
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

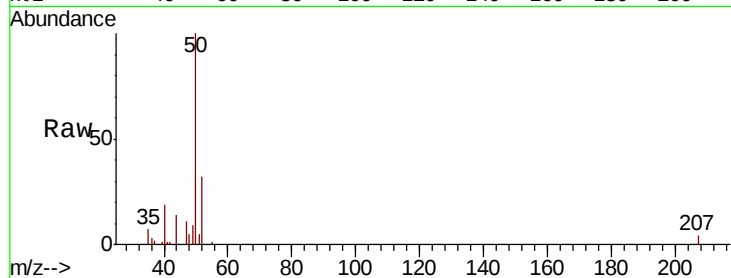
VSTDIC005

Tot Ion: 50 Resp: 19832

Ion Ratio Lower Upper

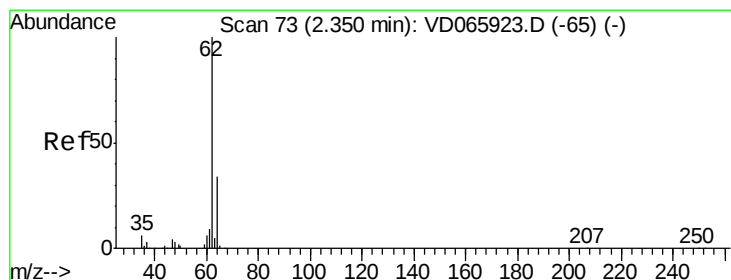
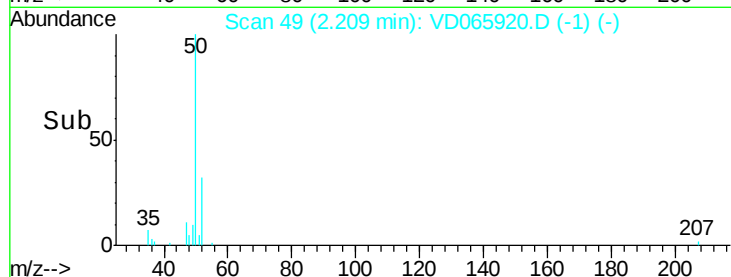
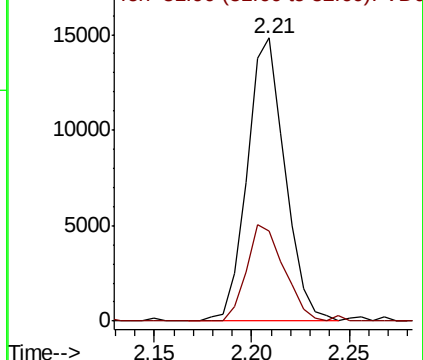
50 100

52 31.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.410 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065920.D

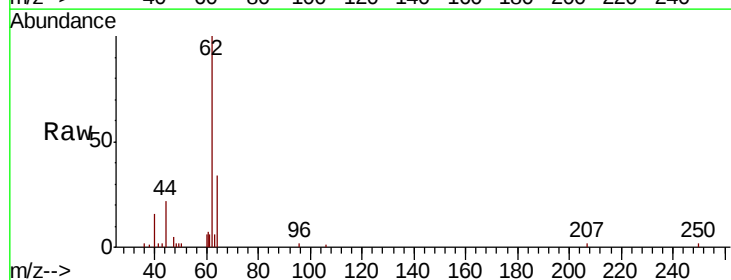
Acq: 07 Jul 2020 13:40

Tgt Ion: 62 Resp: 17824

Ion Ratio Lower Upper

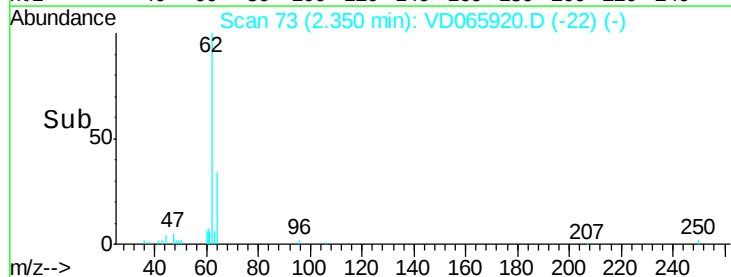
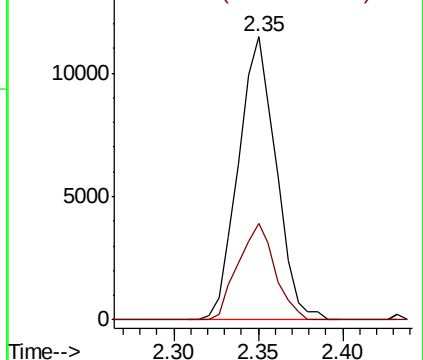
62 100

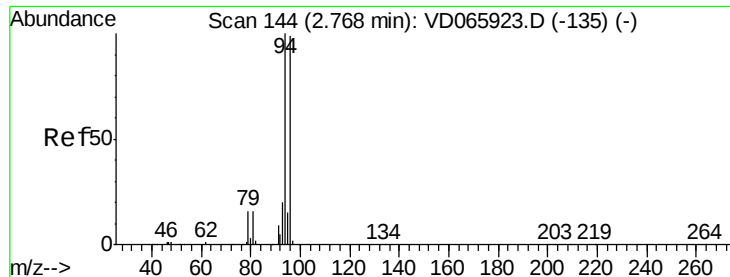
64 34.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.918 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

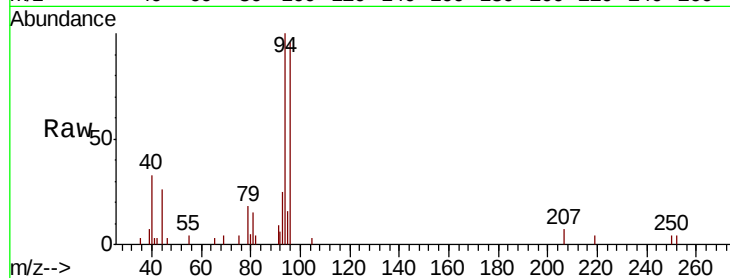
VSTDIC005

Tot Ion: 94 Resp: 12350

Ion Ratio Lower Upper

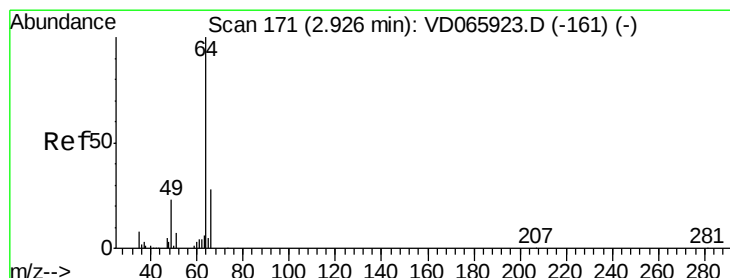
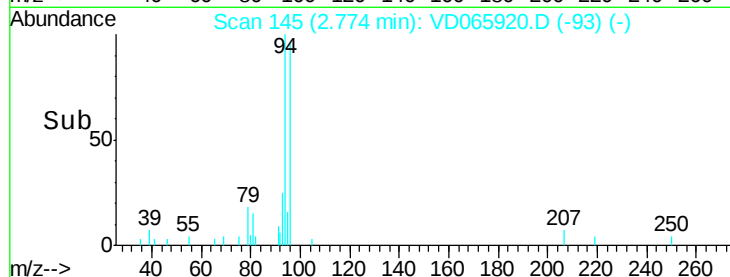
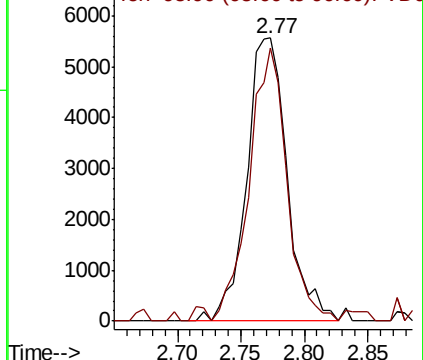
94 100

96 96.3 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.621 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065920.D

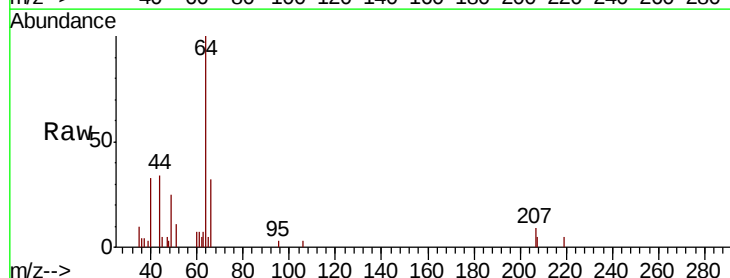
Acq: 07 Jul 2020 13:40

Tgt Ion: 64 Resp: 11071

Ion Ratio Lower Upper

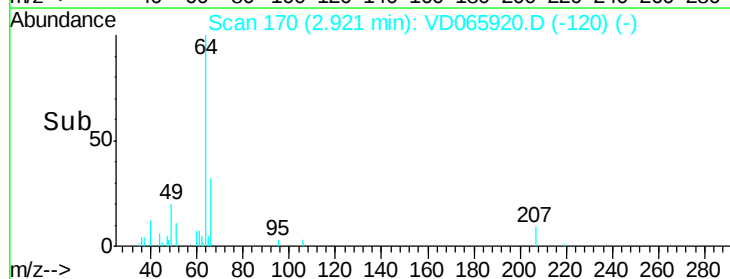
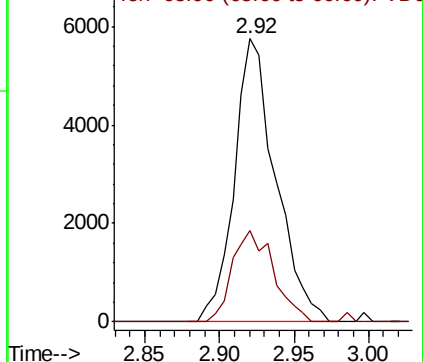
64 100

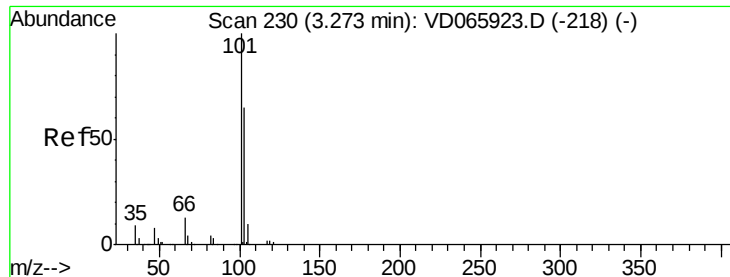
66 32.3 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



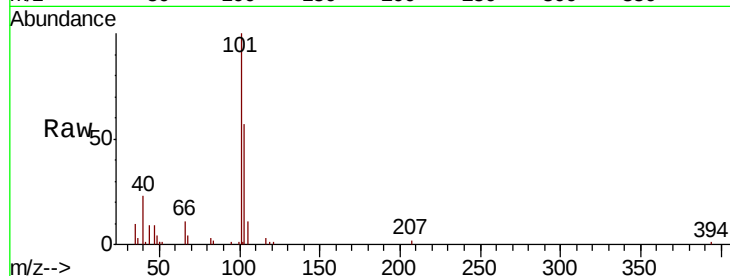


#7

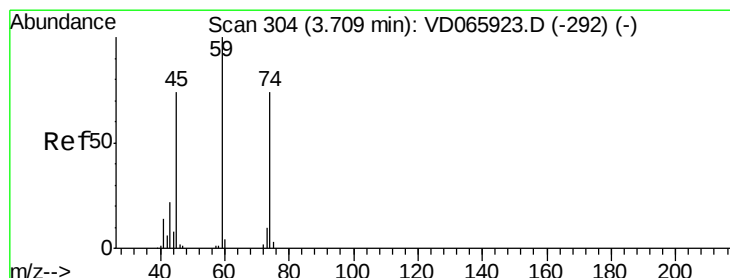
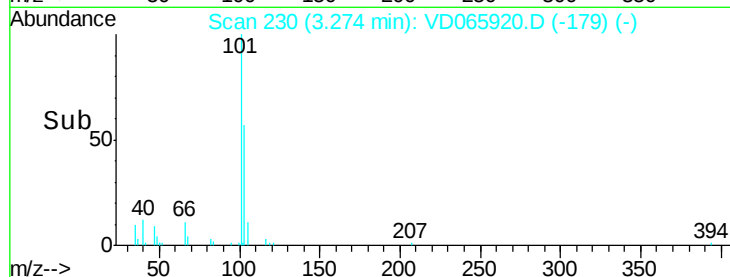
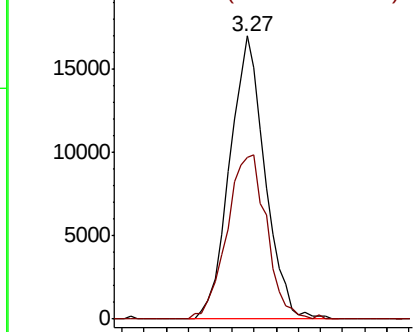
Trichlorofluoromethane
 Concen: 5.391 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 38064
 Ion Ratio Lower Upper
 101 100
 103 57.3 51.7 77.5



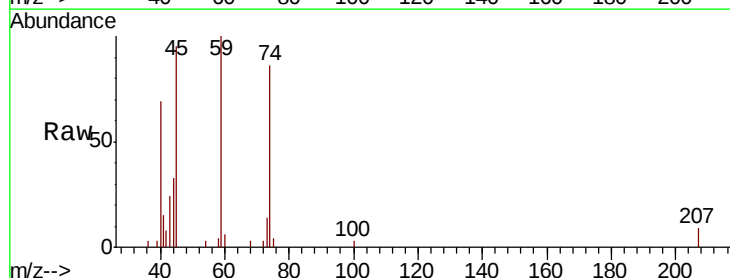
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



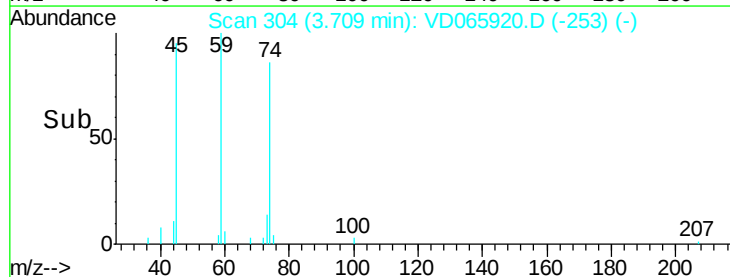
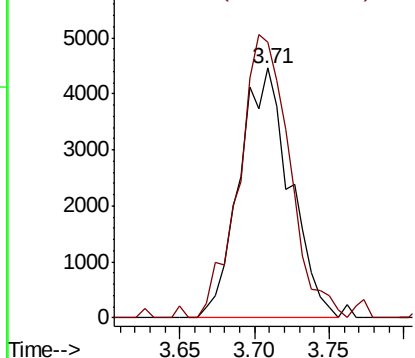
#8

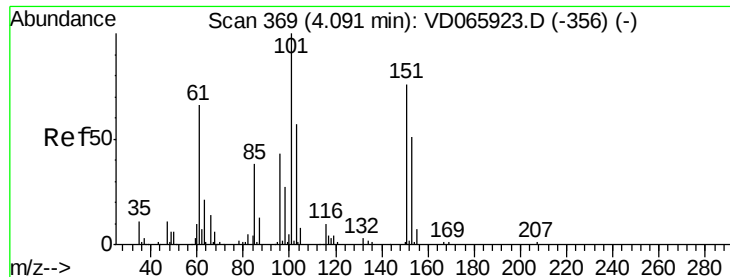
Diethyl Ether
 Concen: 5.422 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 74 Resp: 10503
 Ion Ratio Lower Upper
 74 100
 45 112.1 51.1 153.3



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: 5.463 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

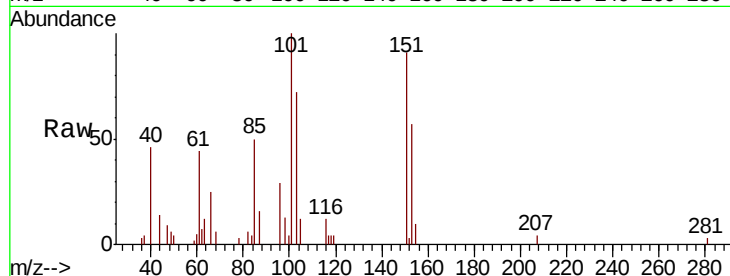
Tot Ion:101 Resp: 23073

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.8

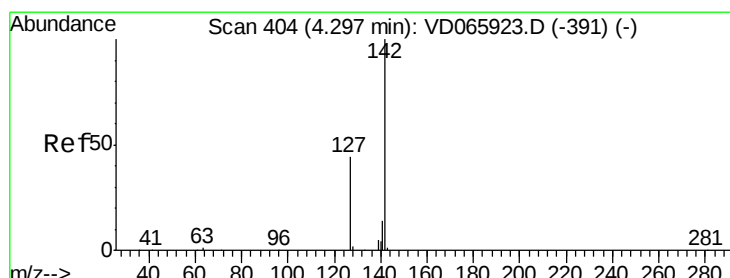
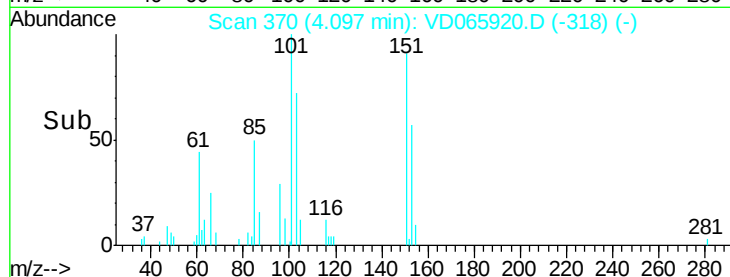
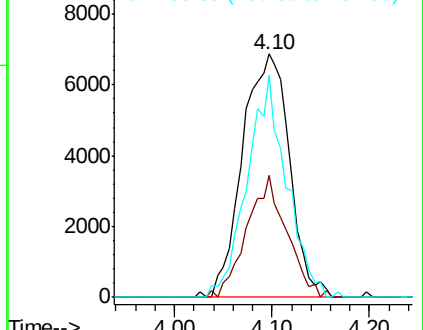
151 76.6 64.1 96.1



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: 4.001 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

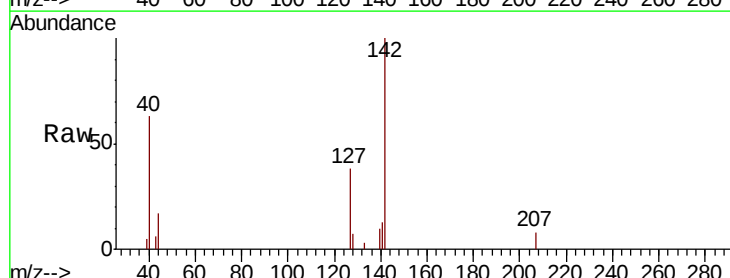
Tgt Ion:142 Resp: 16050

Ion Ratio Lower Upper

142 100

127 42.3 34.6 51.8

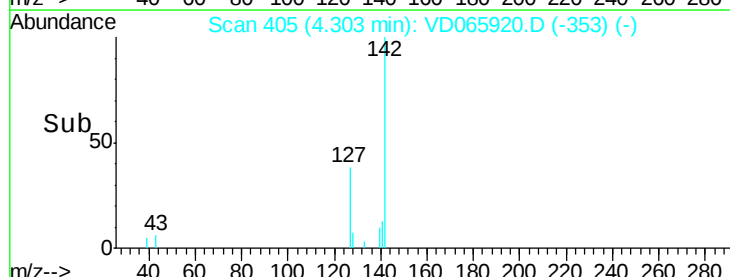
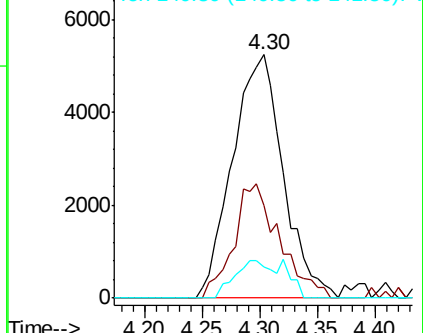
141 0.0 11.6 17.4#

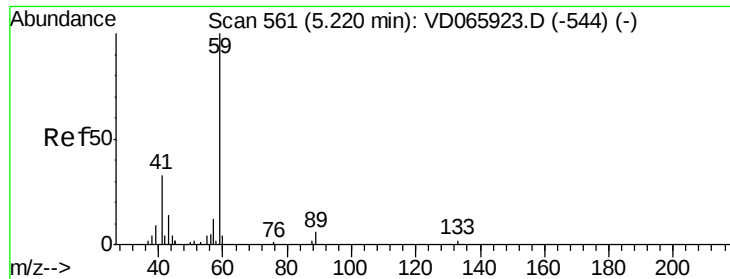


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

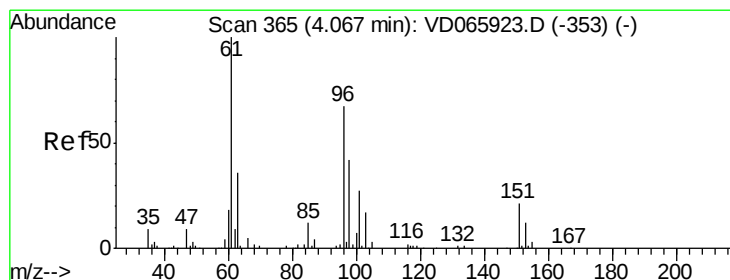
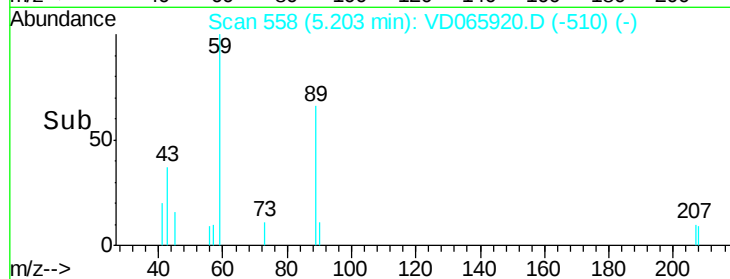
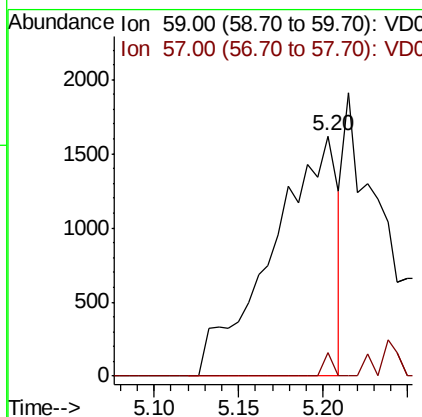
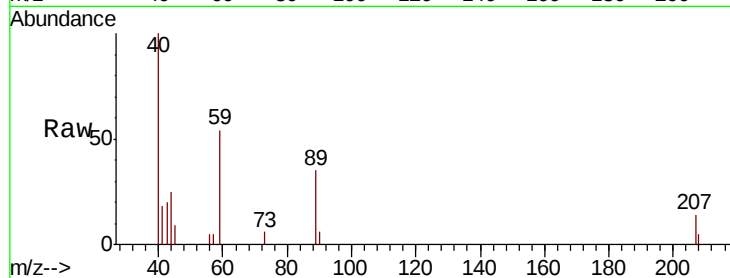




#11
Tert butyl alcohol
Concen: 16.983 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

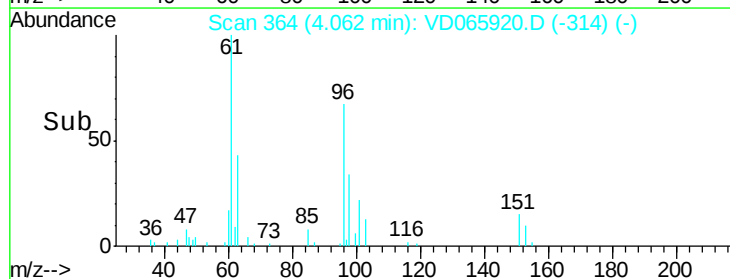
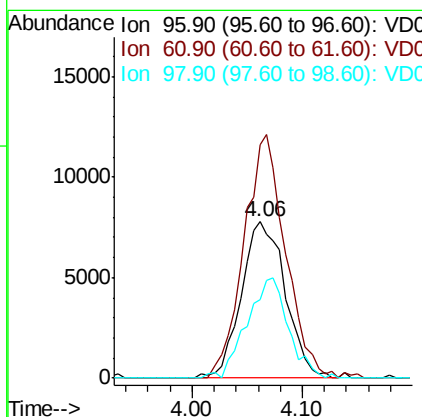
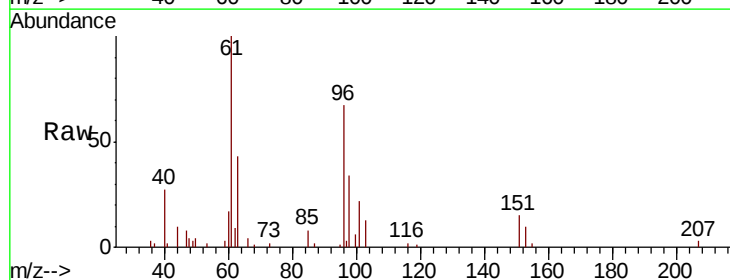
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

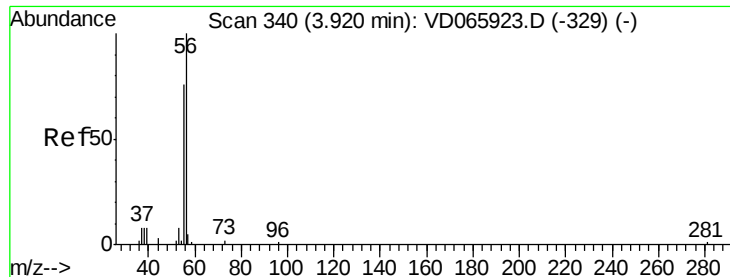
Tot Ion: 59 Resp: 4341
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 5.508 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 96 Resp: 21732
Ion Ratio Lower Upper
96 100
61 149.4 120.2 180.2
98 50.1 50.6 76.0#





#13

Acrolein

Concen: 30.556 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

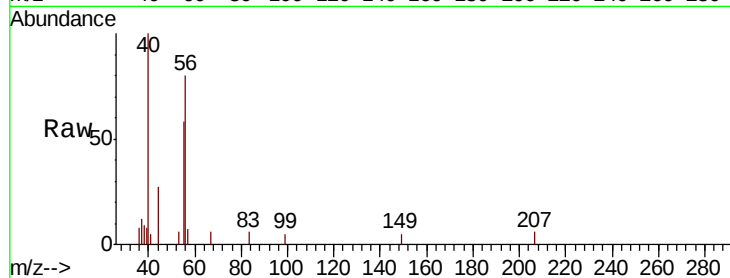
VSTDIC005

Tot Ion: 56 Resp: 6505

Ion Ratio Lower Upper

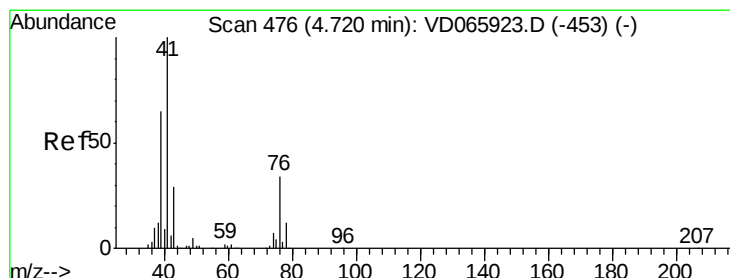
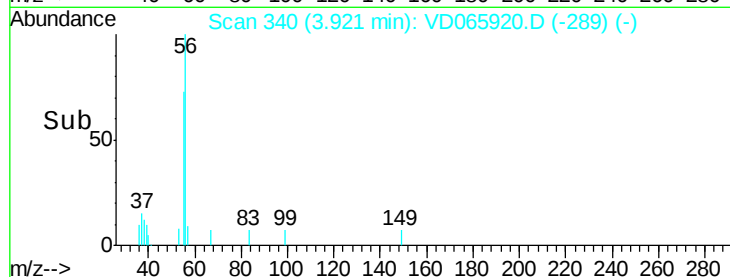
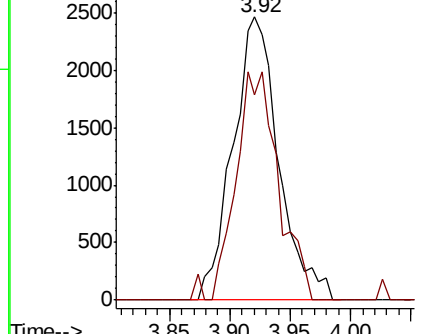
56 100

55 73.9 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.043 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

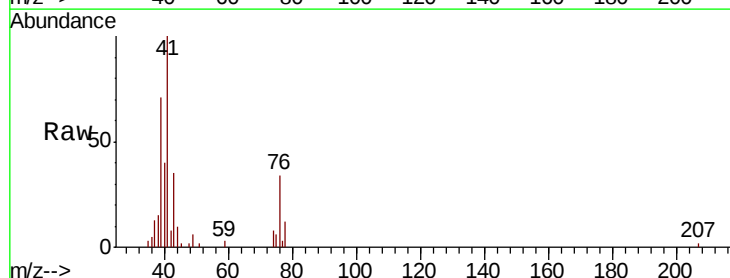
Tgt Ion: 41 Resp: 33720

Ion Ratio Lower Upper

41 100

39 69.9 52.2 78.4

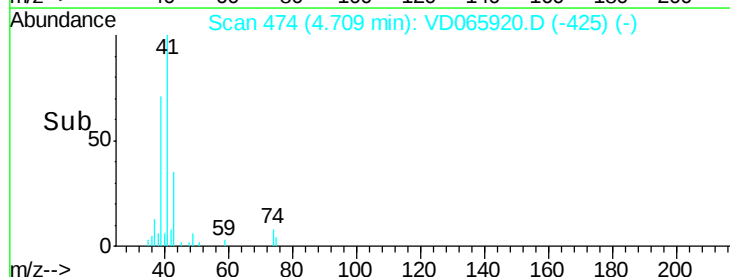
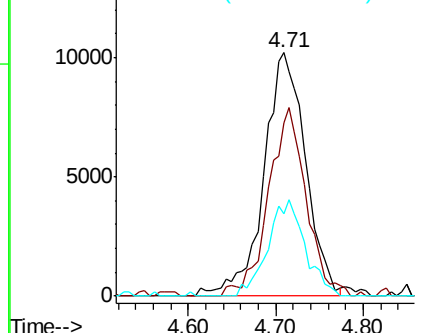
76 35.2 28.1 42.1

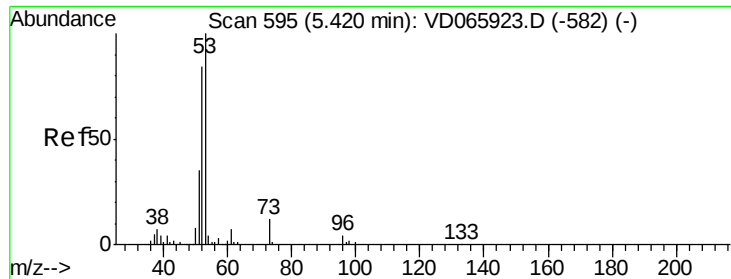


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.839 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

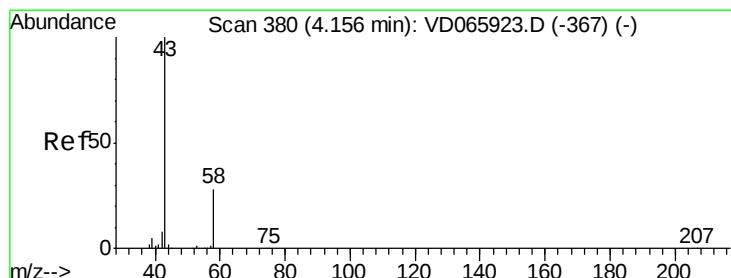
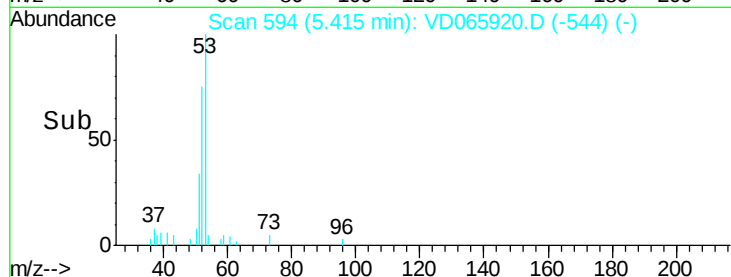
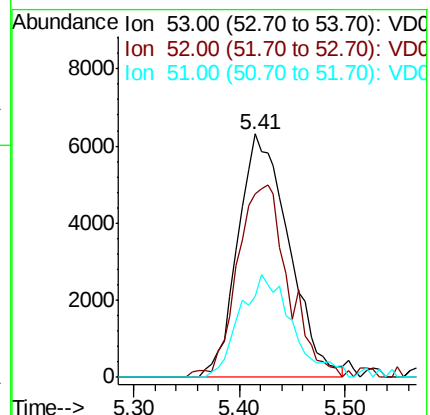
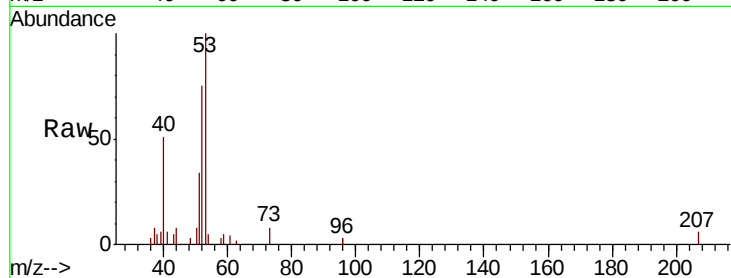
Tot Ion: 53 Resp: 21067

Ion Ratio Lower Upper

53 100

52 79.2 66.3 99.5

51 43.1 29.8 44.8



#16

Acetone

Concen: 28.022 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065920.D

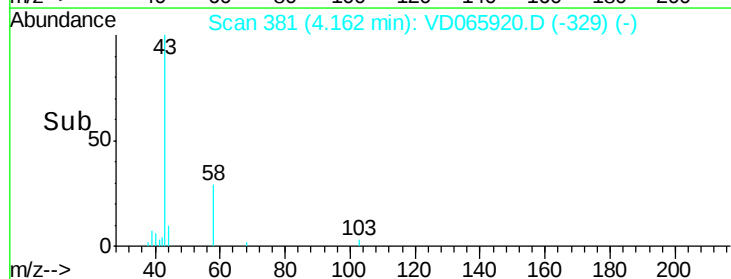
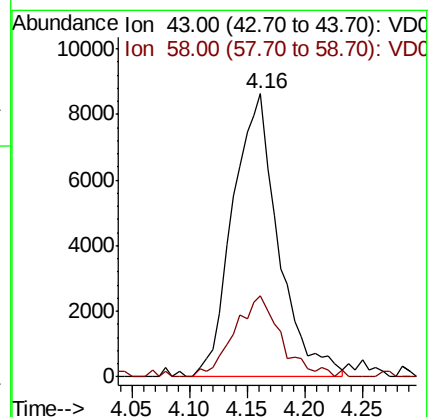
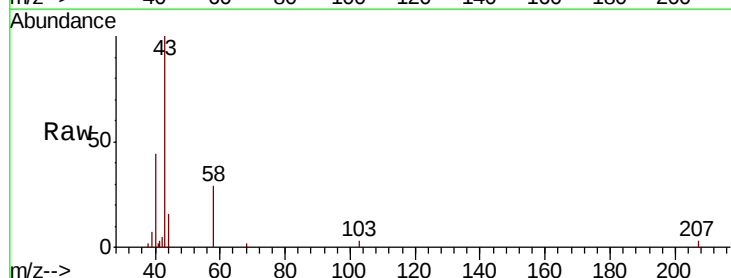
Acq: 07 Jul 2020 13:40

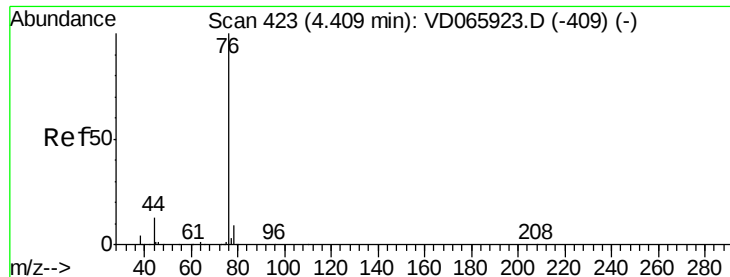
Tgt Ion: 43 Resp: 23696

Ion Ratio Lower Upper

43 100

58 28.9 22.7 34.1

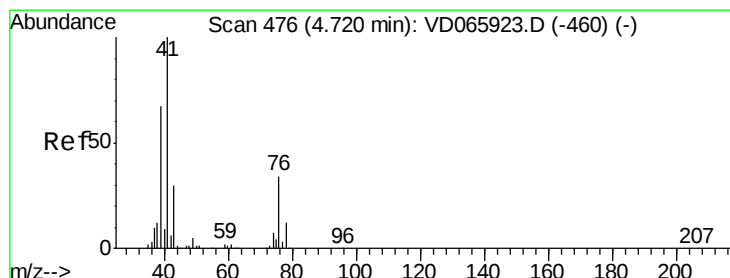
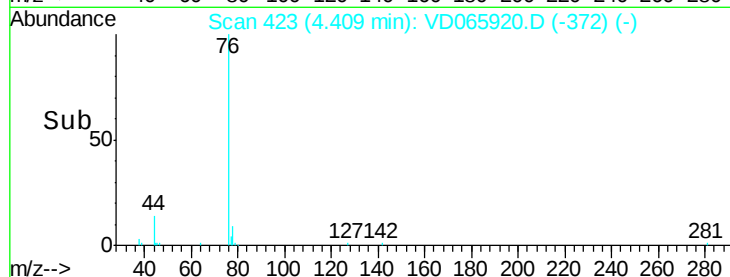
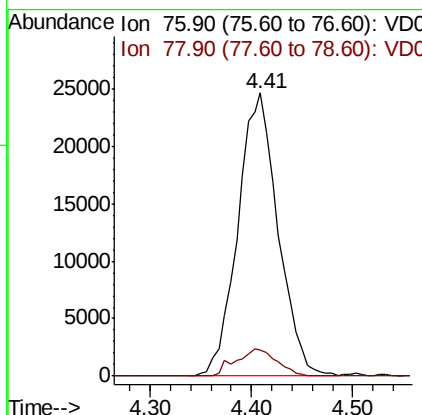
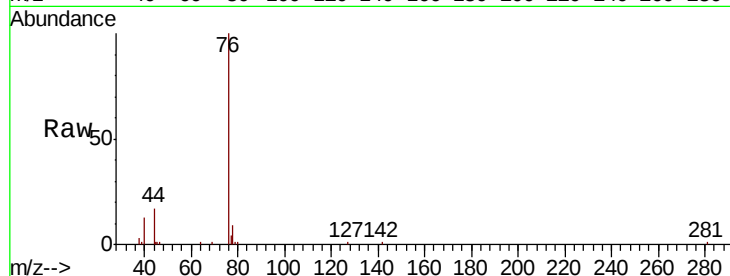




#17
Carbon Disulfide
Concen: 5.374 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

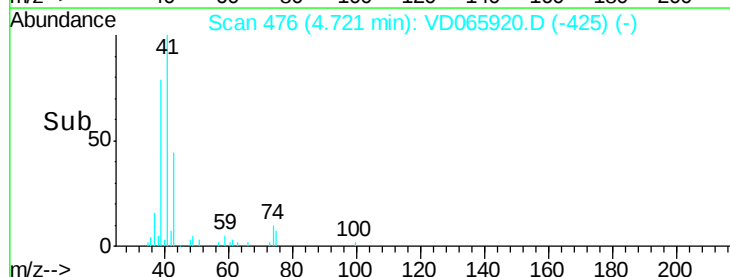
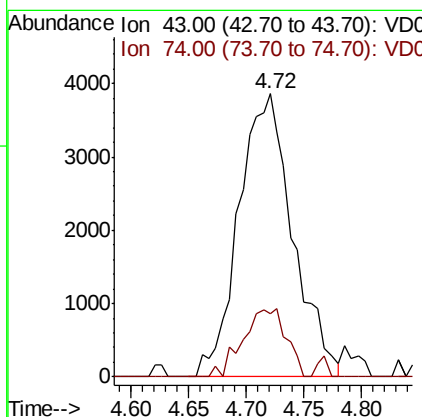
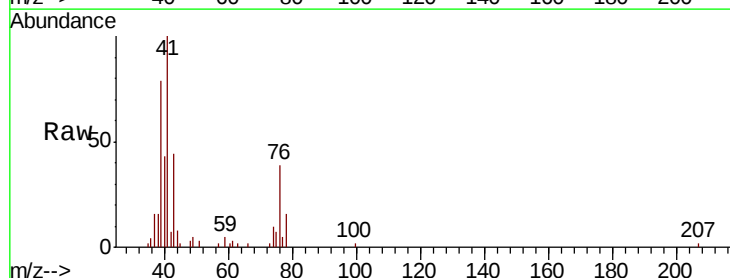
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

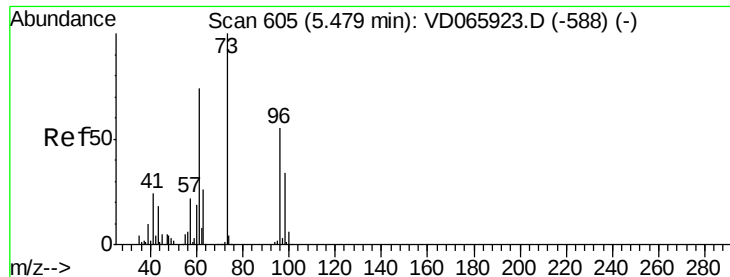
Tot Ion: 76 Resp: 67569
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 6.332 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 43 Resp: 12552
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8

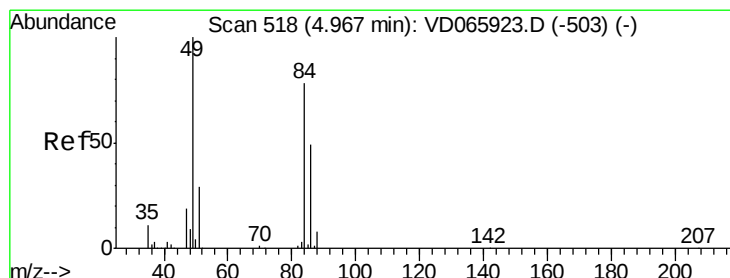
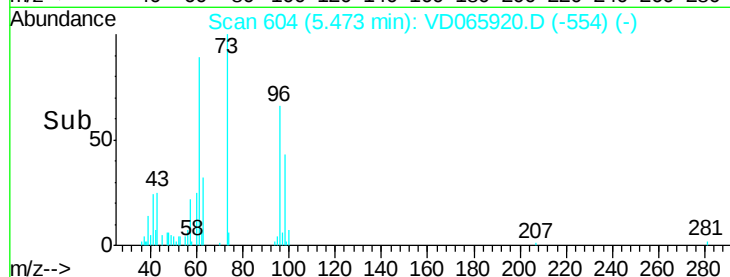
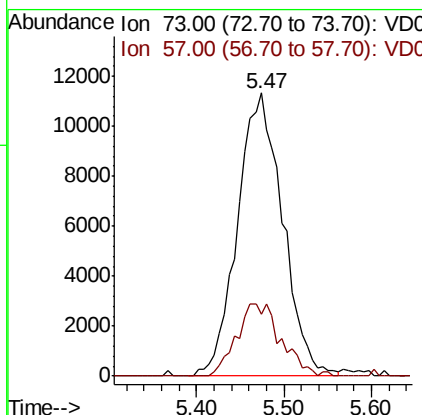
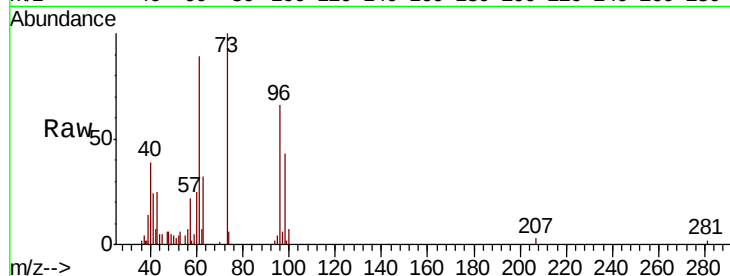




#19
Methyl tert-butyl Ether
Concen: 4.775 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

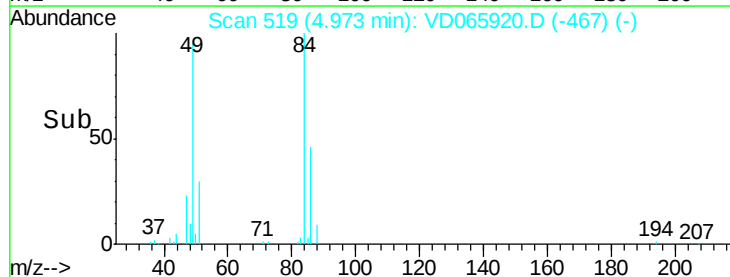
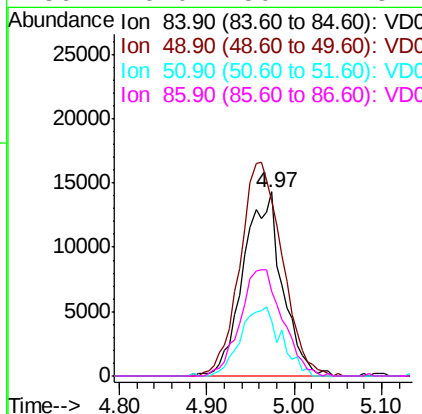
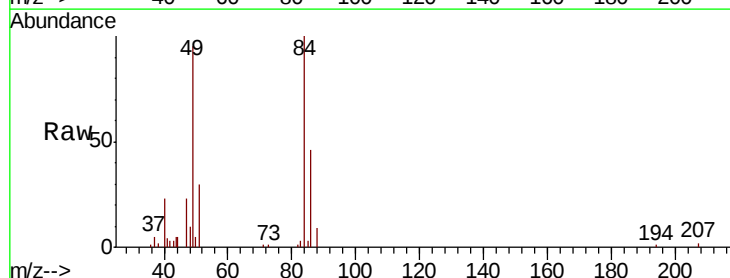
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

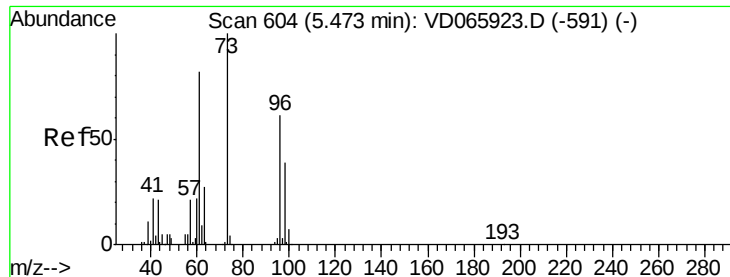
Tot Ion: 73 Resp: 39893
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 7.184 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 84 Resp: 43157
Ion Ratio Lower Upper
84 100
49 95.1 102.2 153.2#
51 29.6 29.8 44.6#
86 46.0 50.2 75.2#





#21

trans-1,2-Dichloroethene

Concen: 5.296 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

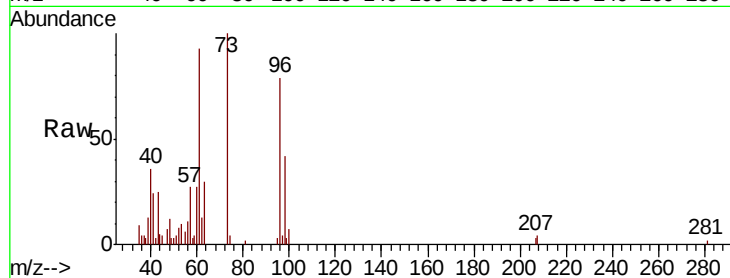
Tot Ion: 96 Resp: 23512

Ion Ratio Lower Upper

96 100

61 118.0 106.6 160.0

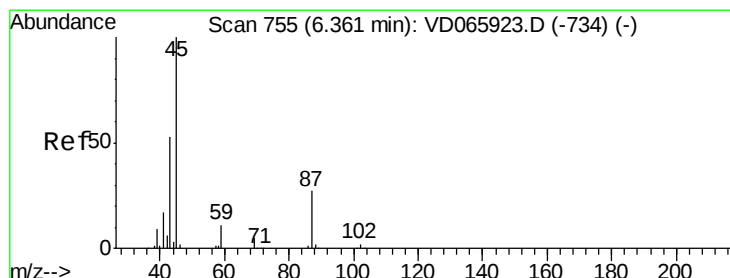
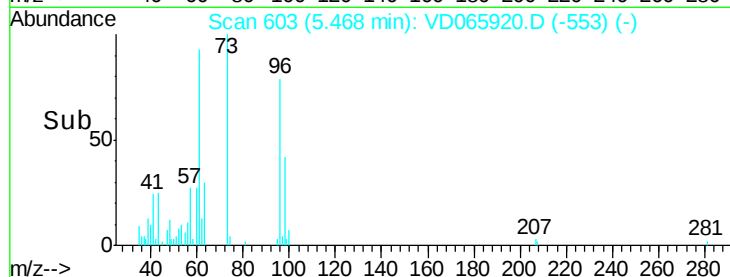
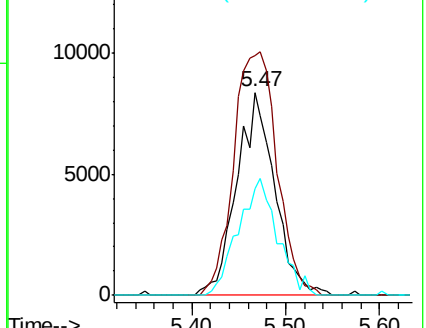
98 52.7 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 4.983 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion: 45 Resp: 62622

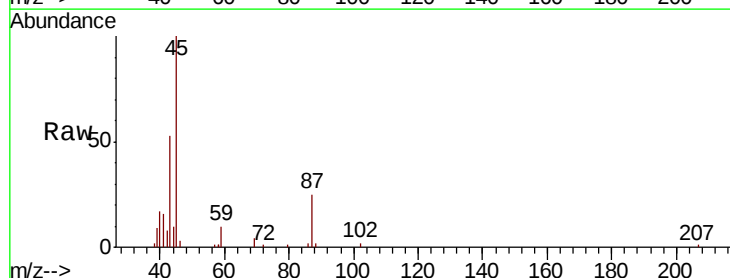
Ion Ratio Lower Upper

45 100

43 52.1 42.5 63.7

87 25.4 22.2 33.2

59 10.3 8.9 13.3

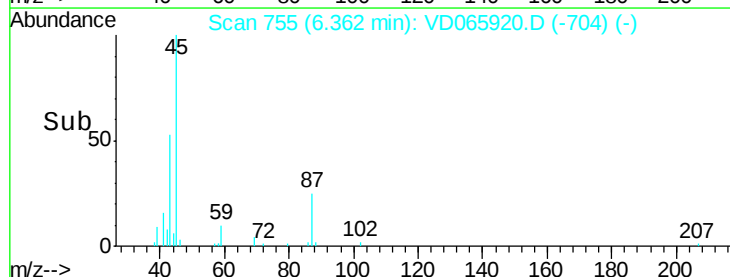
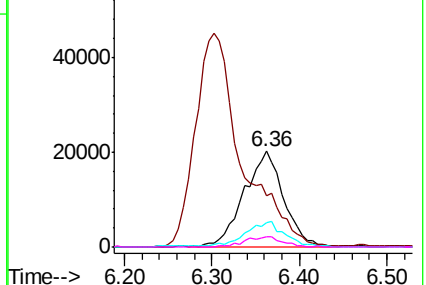


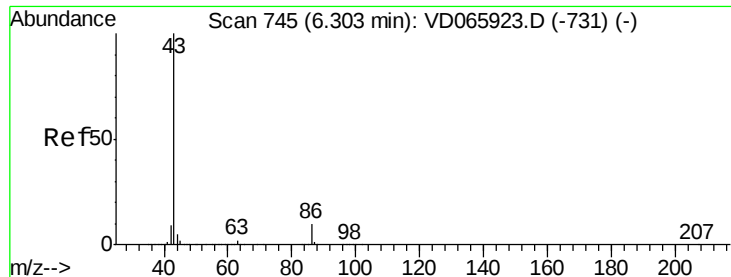
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 23.173 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

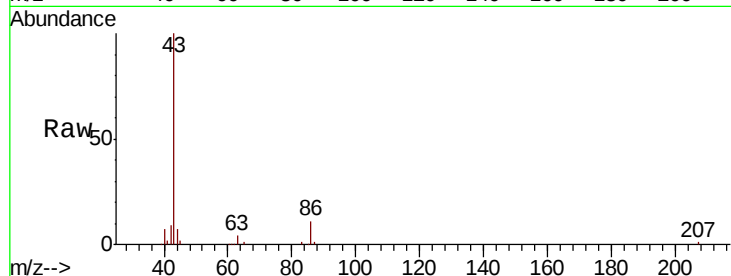
VSTDIC005

Tot Ion: 43 Resp: 166216

Ion Ratio Lower Upper

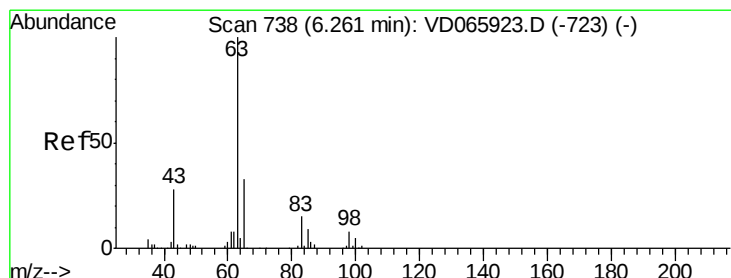
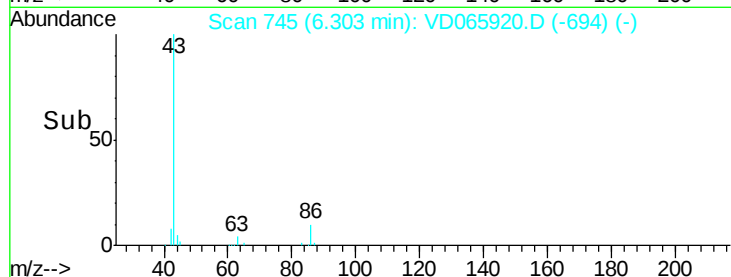
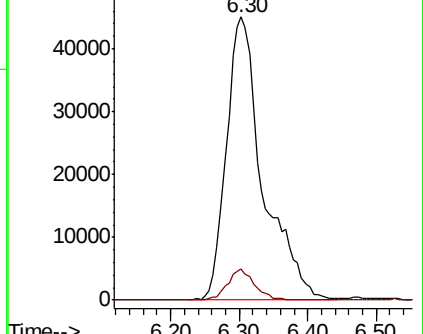
43 100

86 11.2 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.306 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

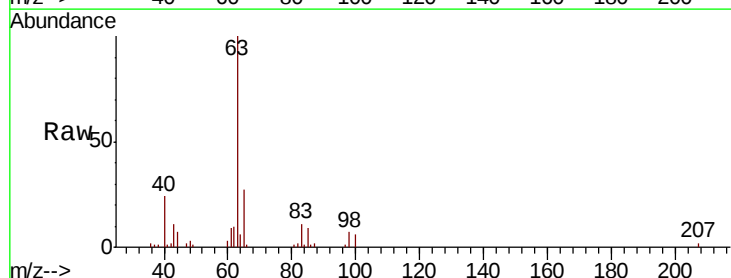
Tgt Ion: 63 Resp: 39756

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

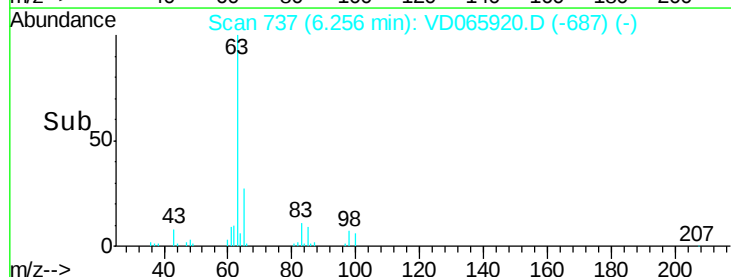
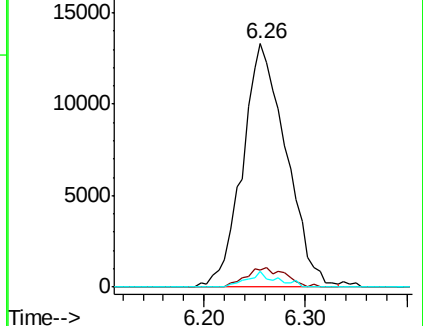
100 6.3 2.5 7.5

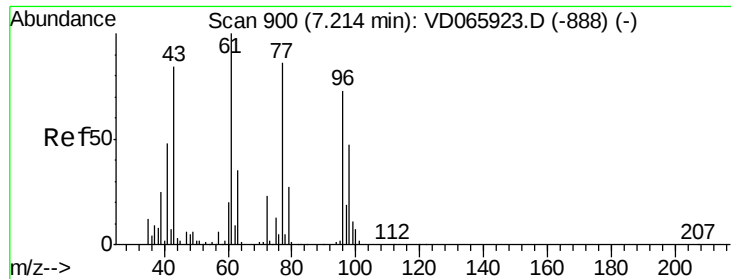


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

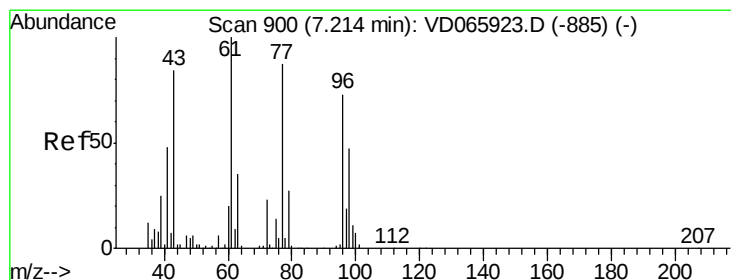
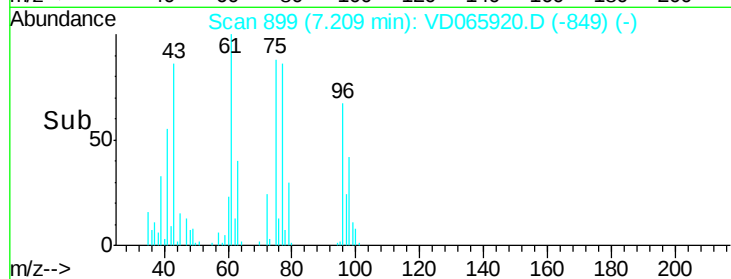
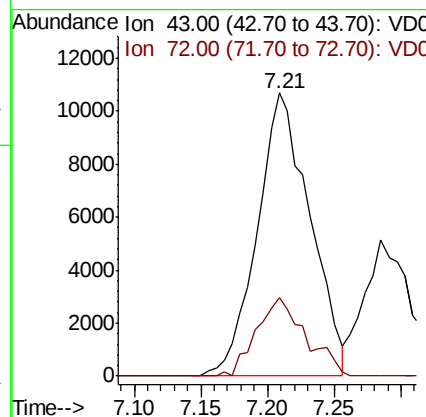
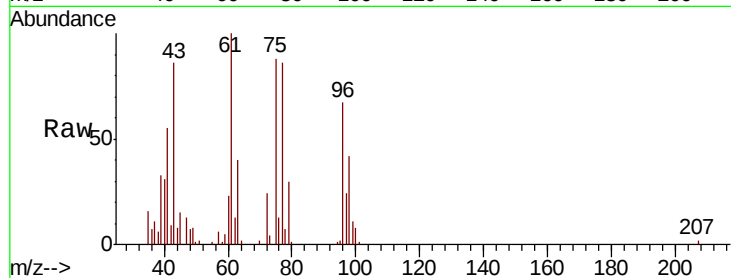




#25
 2-Butanone
 Concen: 26.167 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

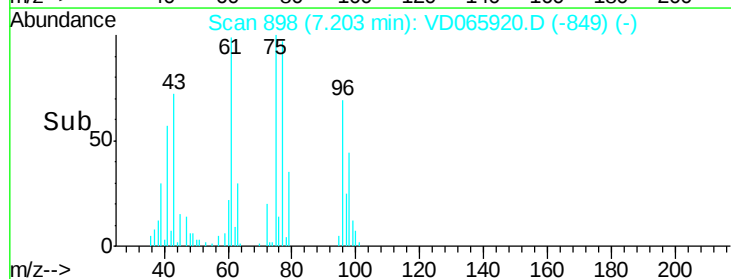
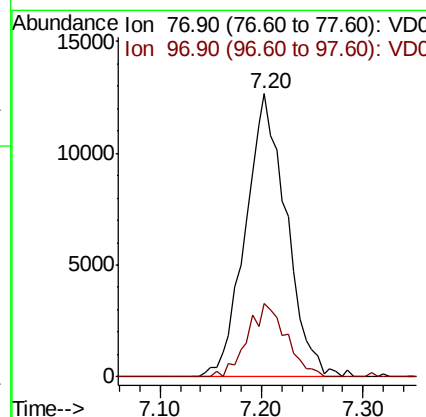
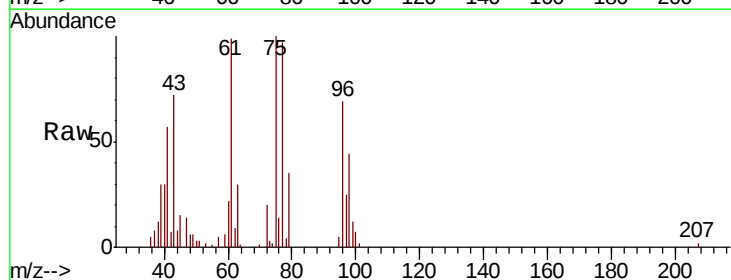
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

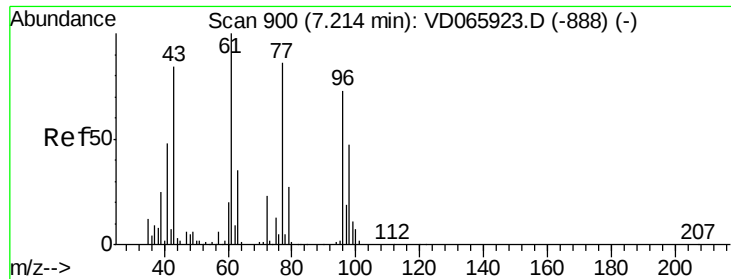
Tot Ion: 43 Resp: 29239
 Ion Ratio Lower Upper
 43 100
 72 28.0 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 5.422 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 77 Resp: 35544
 Ion Ratio Lower Upper
 77 100
 97 24.5 11.6 34.8



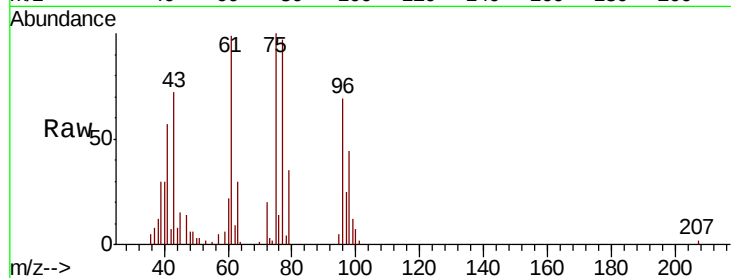


#27

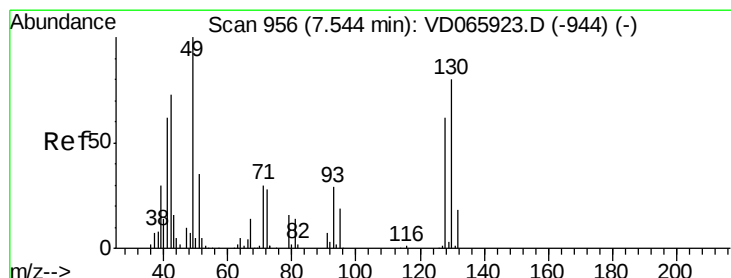
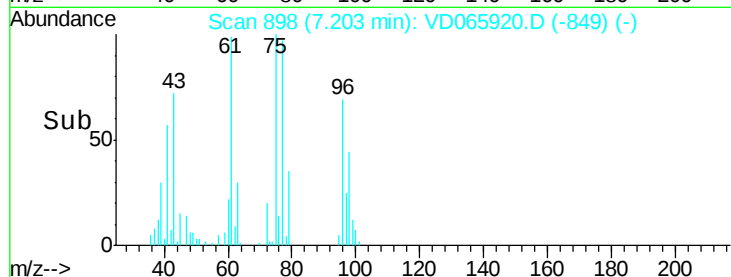
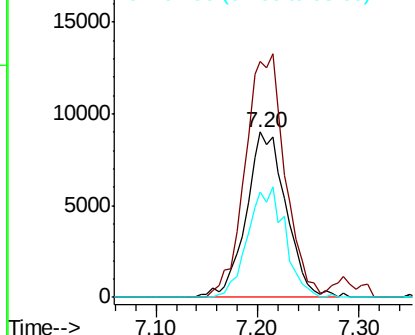
cis-1,2-Dichloroethene
 Concen: 5.172 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 24669
 Ion Ratio Lower Upper
 96 100
 61 146.6 0.0 286.6
 98 62.1 0.0 128.2



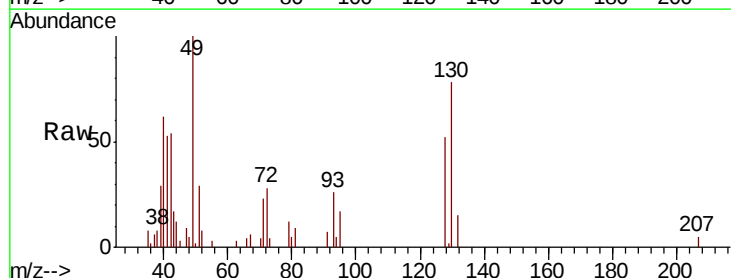
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



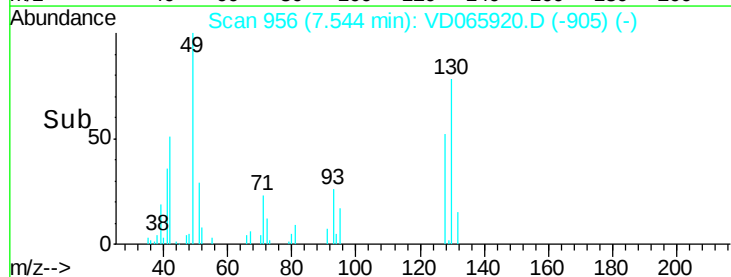
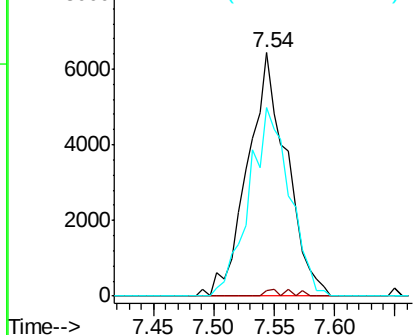
#28

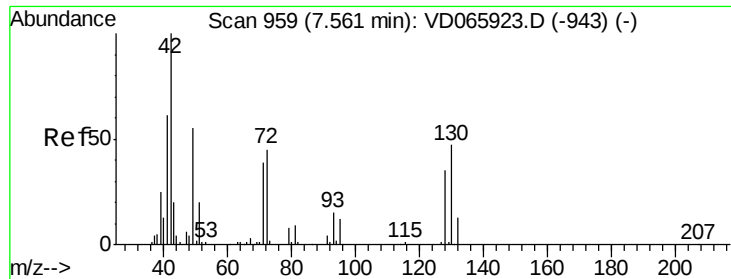
Bromochloromethane
 Concen: 5.080 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 49 Resp: 14380
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.8
 130 80.9 65.8 98.8



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

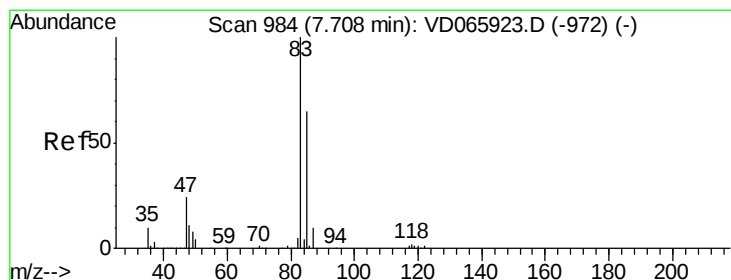
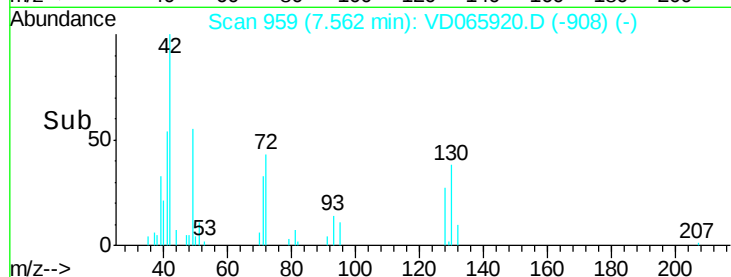
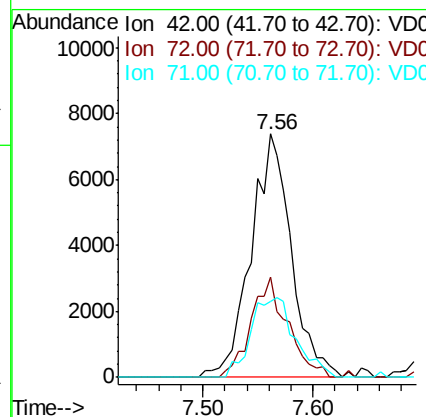
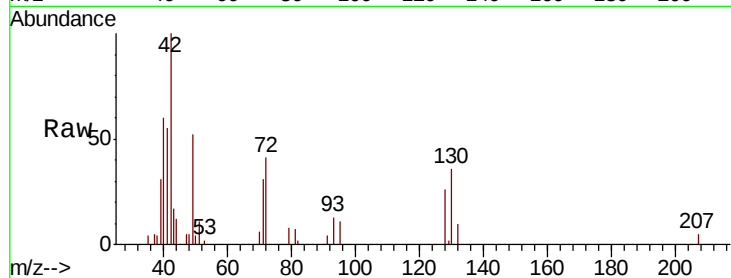




#29
Tetrahydrofuran
Concen: 26.540 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

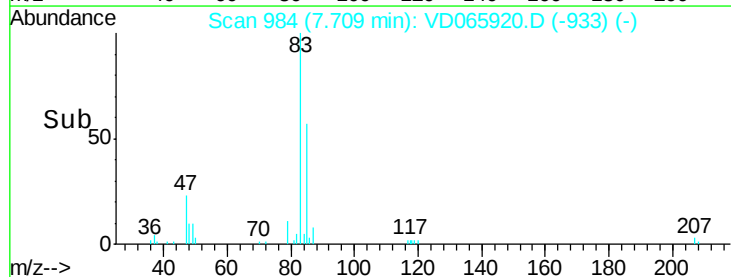
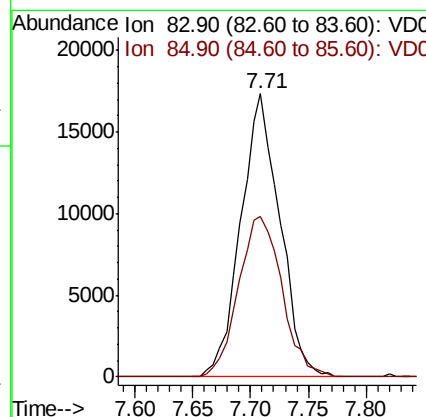
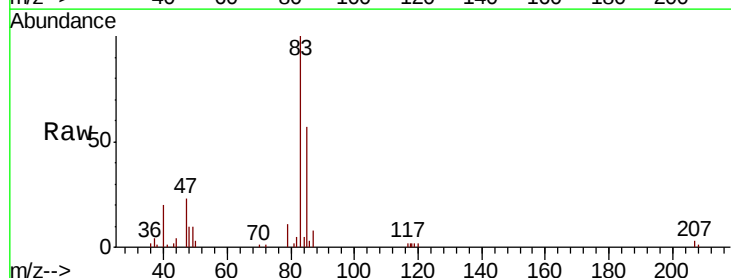
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

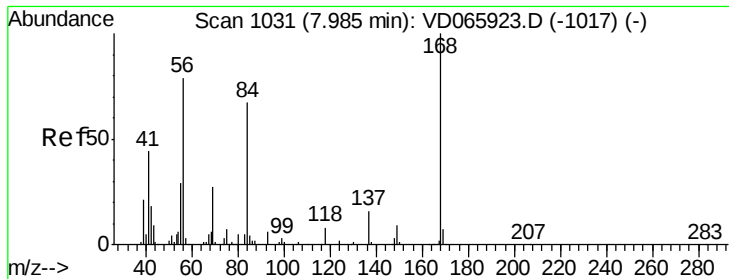
Tot Ion: 42 Resp: 18858
Ion Ratio Lower Upper
42 100
72 37.4 32.8 49.2
71 36.1 31.0 46.4



#30
Chloroform
Concen: 5.352 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 83 Resp: 40657
Ion Ratio Lower Upper
83 100
85 56.8 51.6 77.4

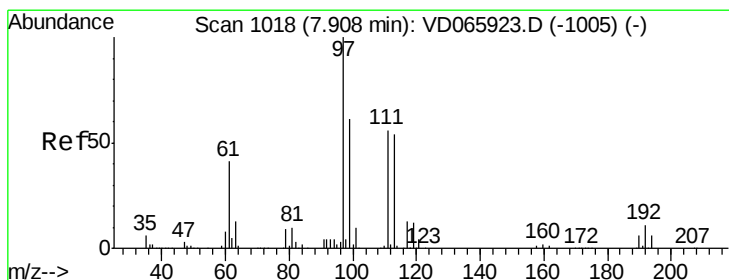
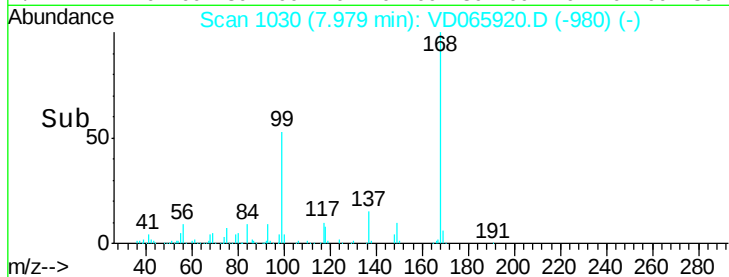
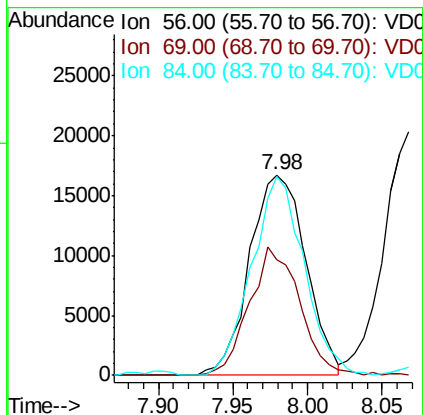
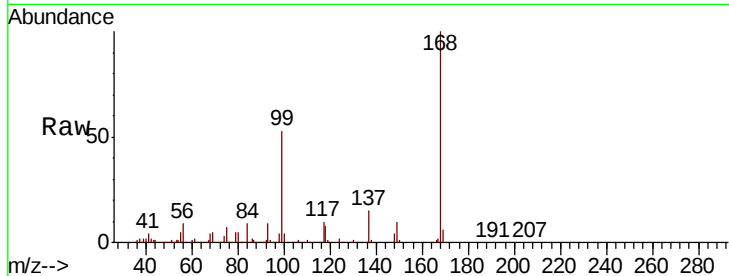




#31
Cyclohexane
Concen: 5.933 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

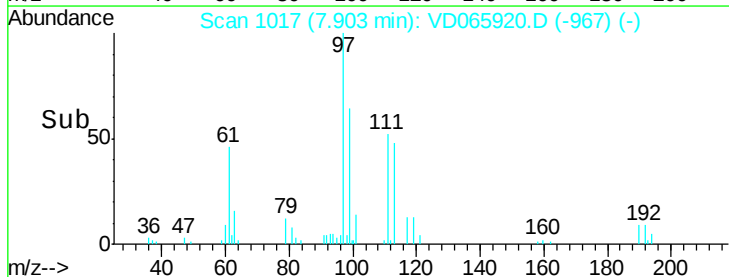
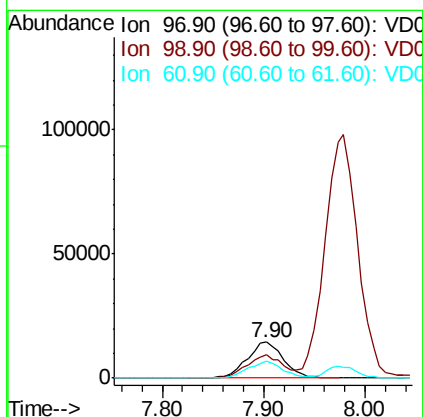
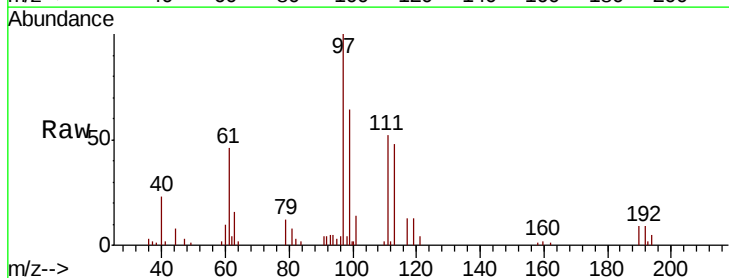
Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

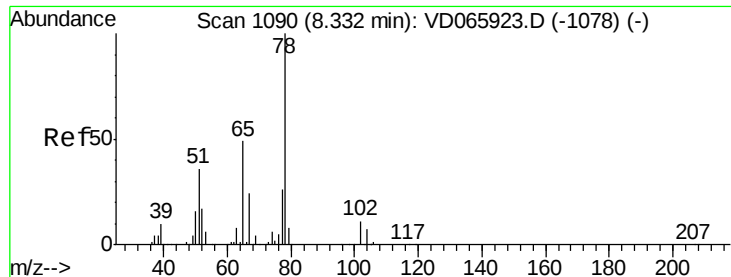
Tot Ion: 56 Resp: 43745
Ion Ratio Lower Upper
56 100
69 57.6 27.4 41.0#
84 99.0 68.6 102.8



#32
1,1,1-Trichloroethane
Concen: 5.229 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 97 Resp: 36249
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 45.5 33.6 50.4

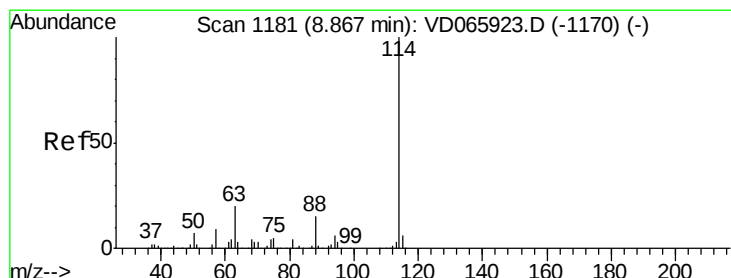
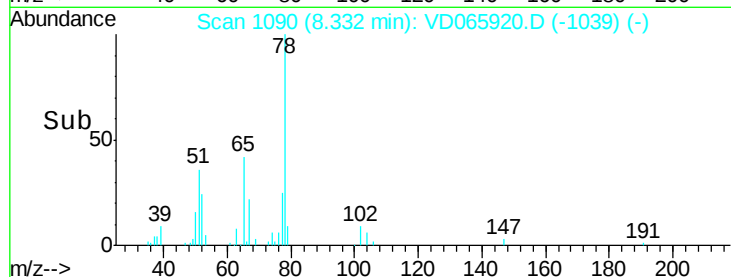
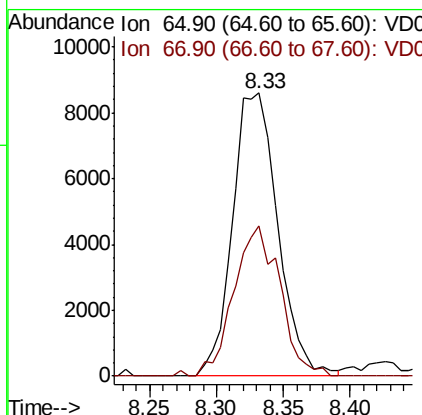
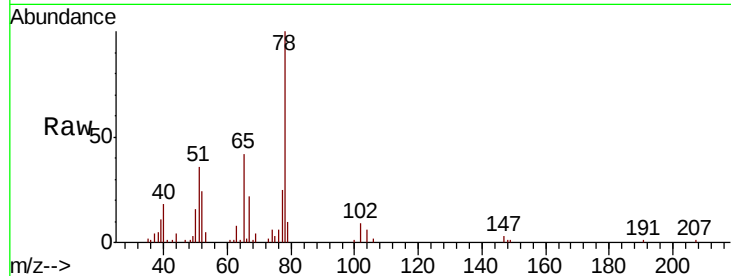




#33
 1,2-Dichloroethane-d4
 Concen: 5.619 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

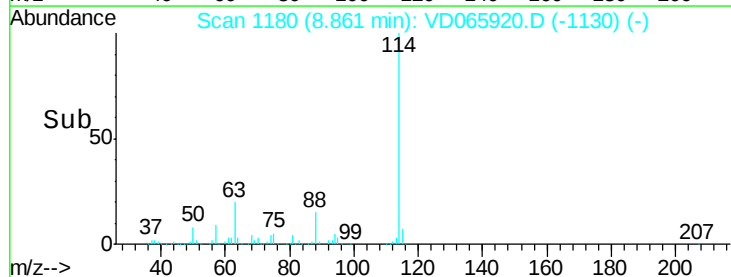
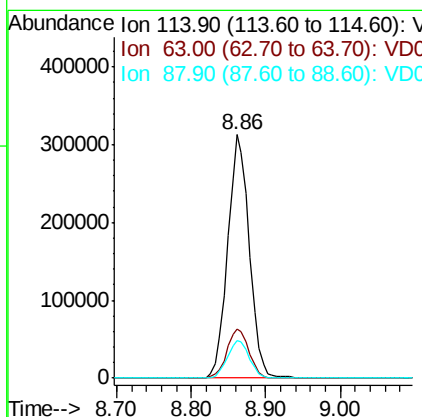
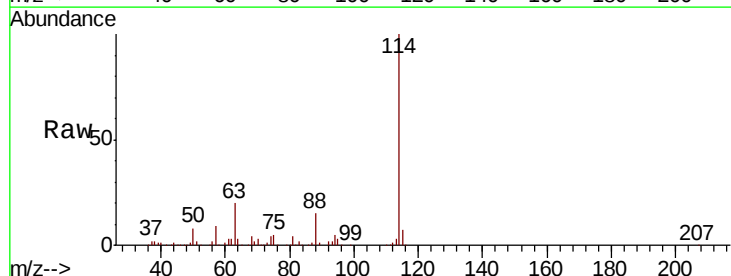
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

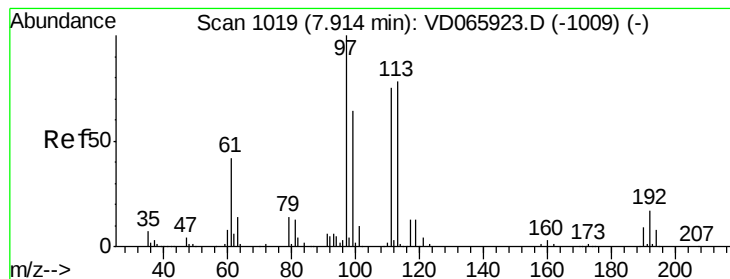
Tot Ion: 65 Resp: 20276
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 114 Resp: 630856
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.2
 88 15.5 0.0 30.0

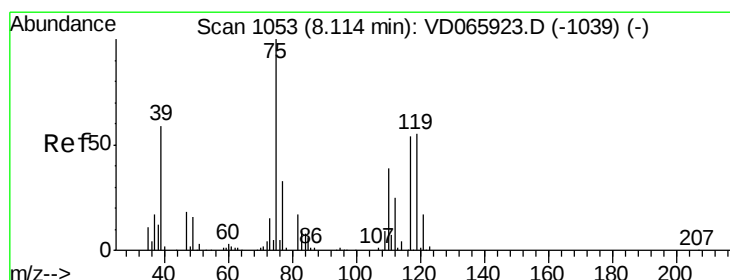
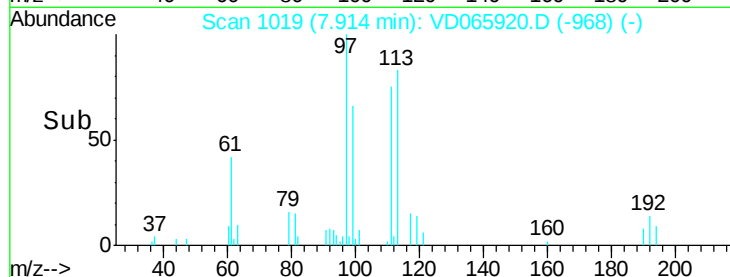
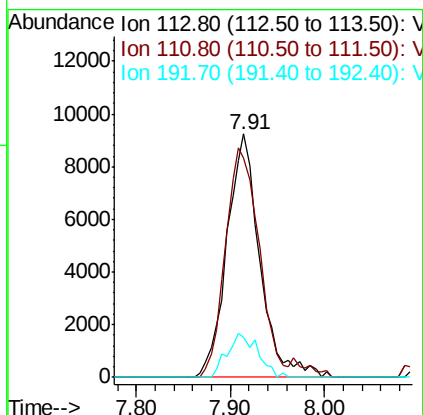
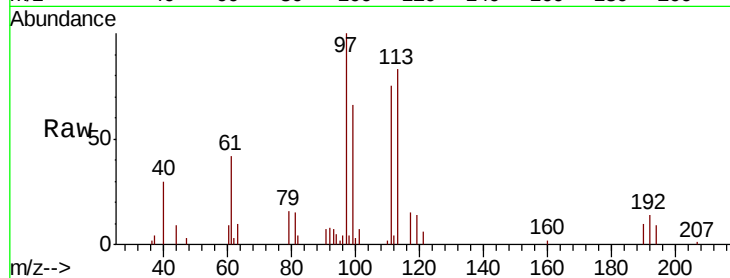




#35
 Dibromofluoromethane
 Concen: 5.767 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

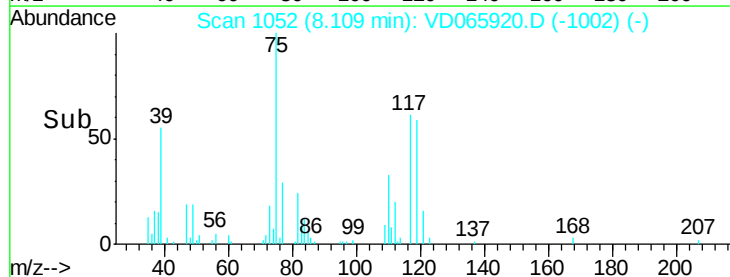
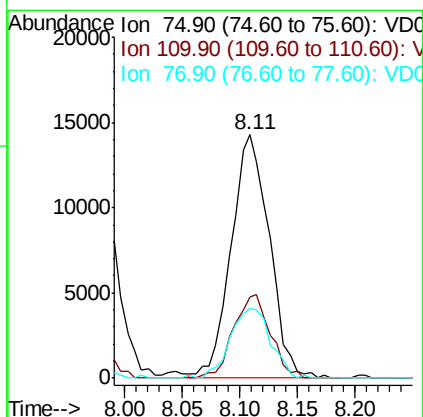
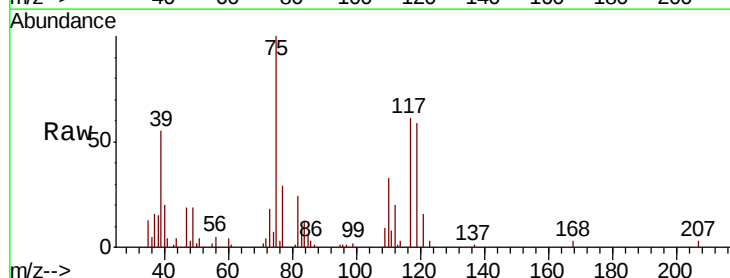
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

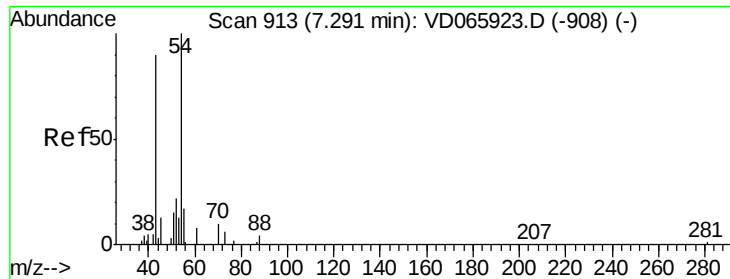
Tot Ion:113 Resp: 22445
 Ion Ratio Lower Upper
 113 100
 111 96.5 80.9 121.3
 192 16.8 17.1 25.7#



#36
 1,1-Dichloropropene
 Concen: 5.274 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 75 Resp: 32858
 Ion Ratio Lower Upper
 75 100
 110 33.0 18.5 55.5
 77 30.6 25.6 38.4

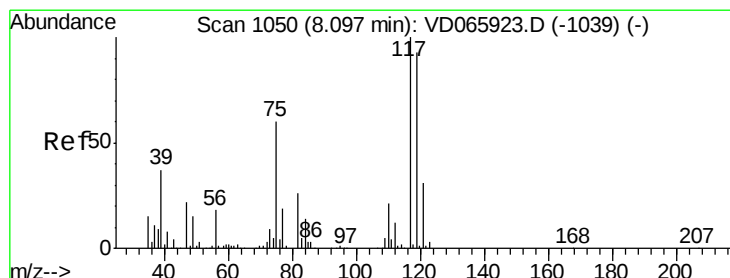
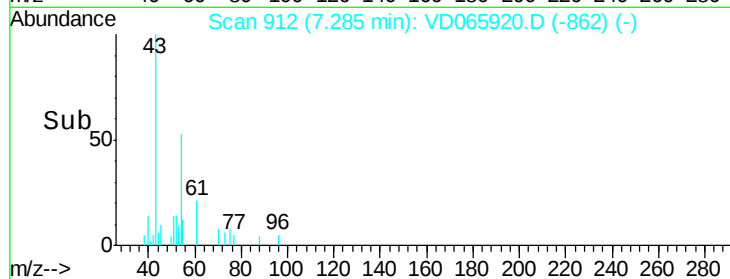
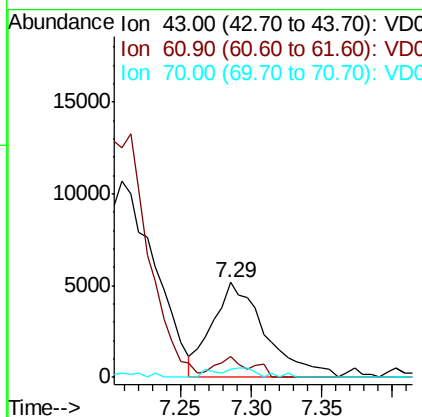
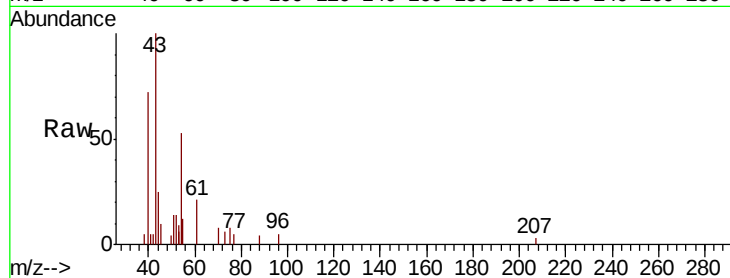




#37
Ethyl Acetate
Concen: 5.191 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

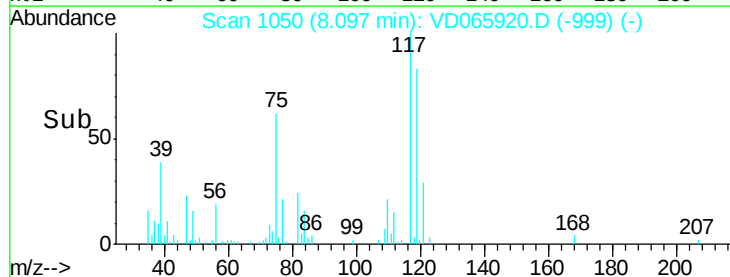
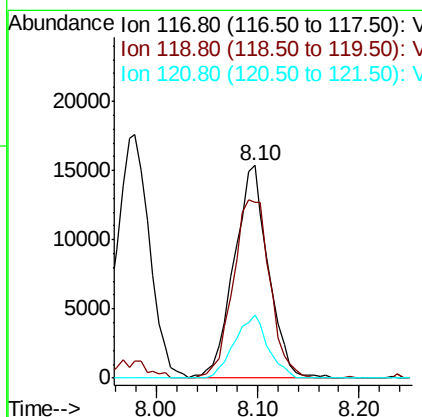
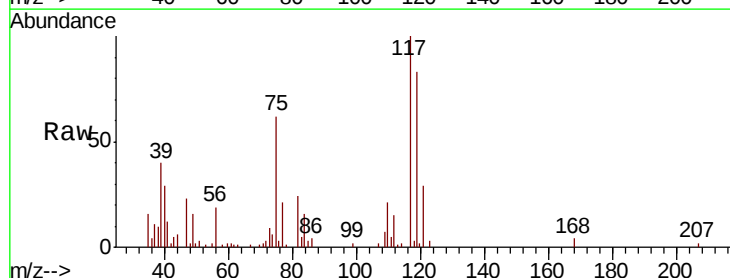
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

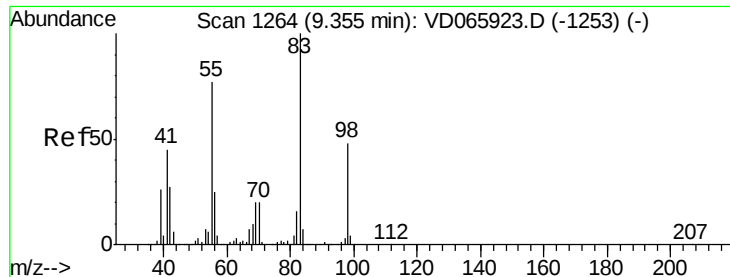
Tot Ion: 43 Resp: 13552
Ion Ratio Lower Upper
43 100
61 13.2 9.4 14.0
70 6.9 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.407 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 117 Resp: 36109
Ion Ratio Lower Upper
117 100
119 82.6 74.7 112.1
121 29.4 24.9 37.3

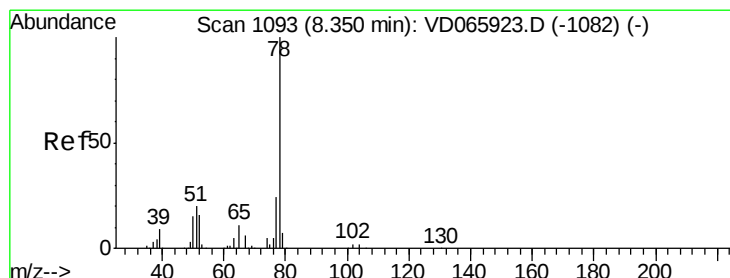
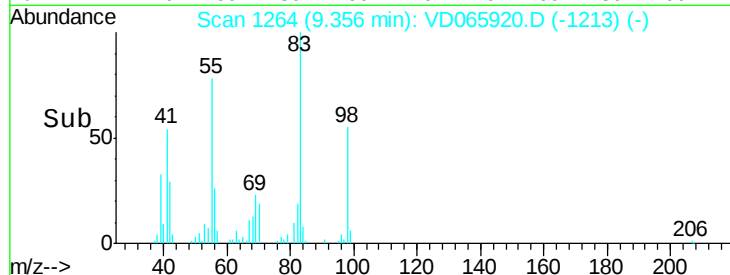
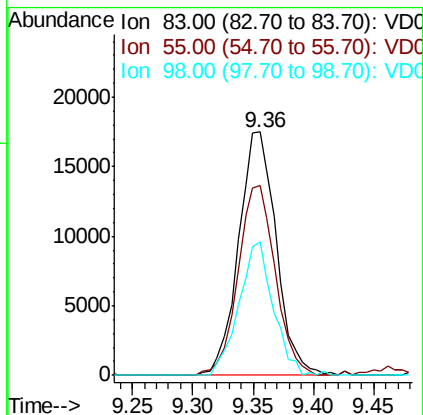
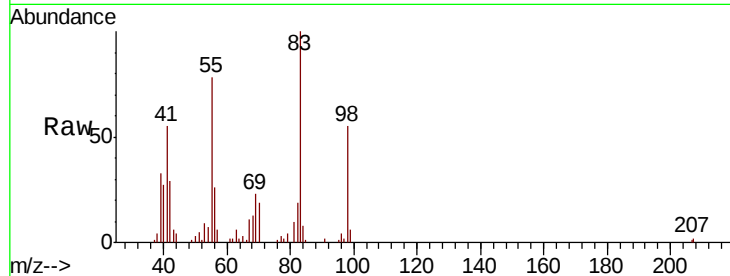




#39
Methvlcvclohexane
Concen: 4.974 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

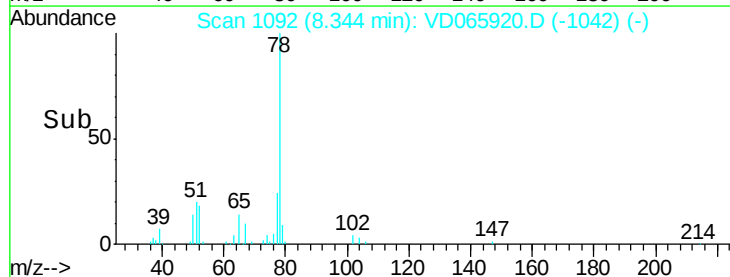
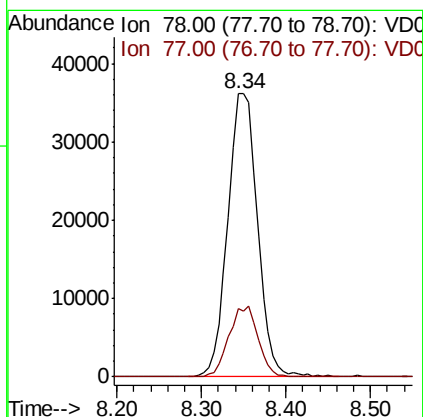
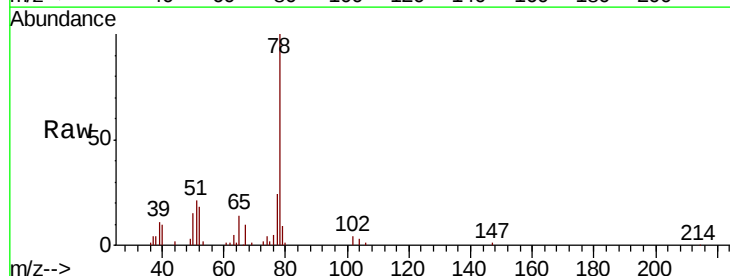
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

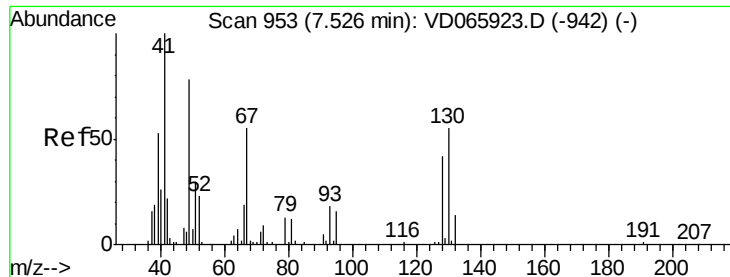
Tot Ion: 83 Resp: 38045
Ion Ratio Lower Upper
83 100
55 77.9 61.7 92.5
98 54.8 38.6 58.0



#40
Benzene
Concen: 5.097 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 78 Resp: 87728
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

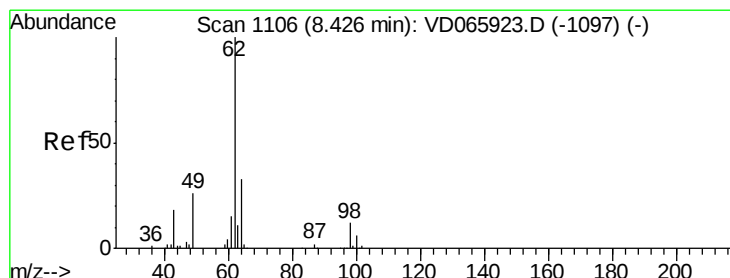
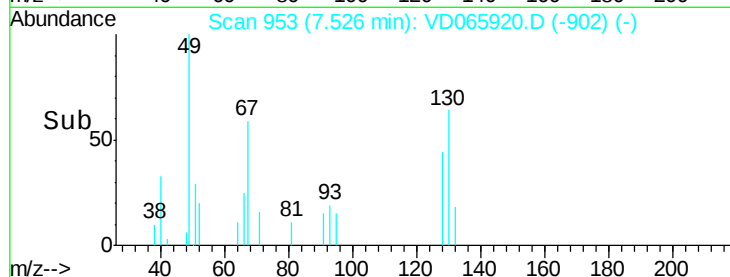
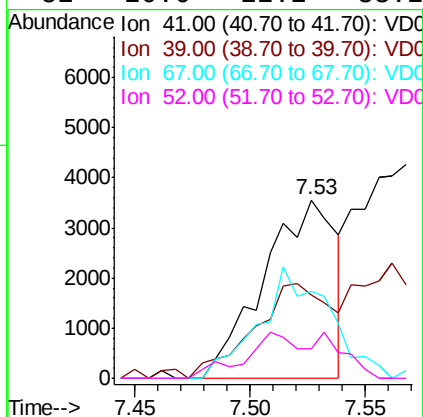
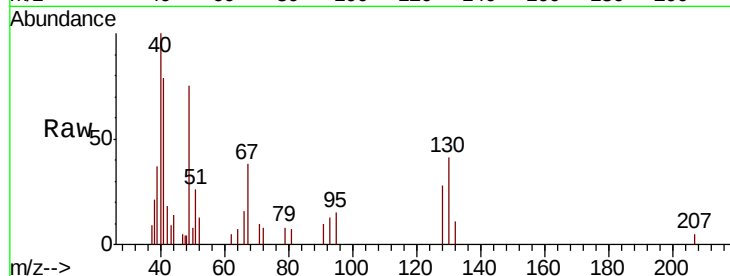




#41
Methacrylonitrile
Concen: 5.001 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

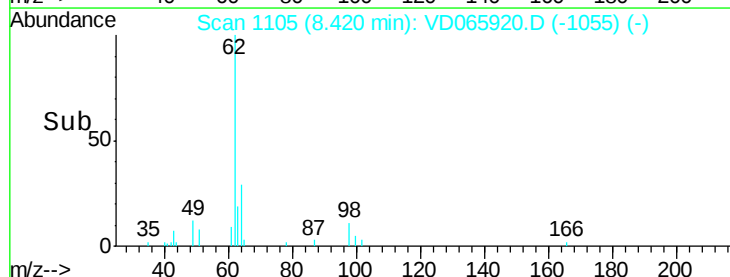
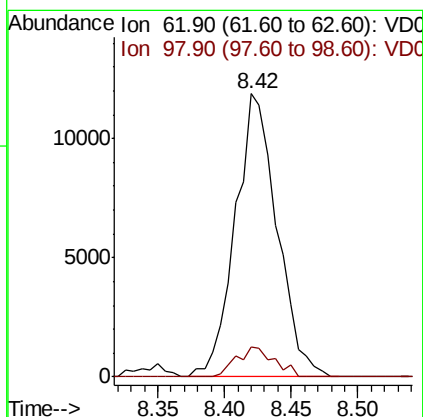
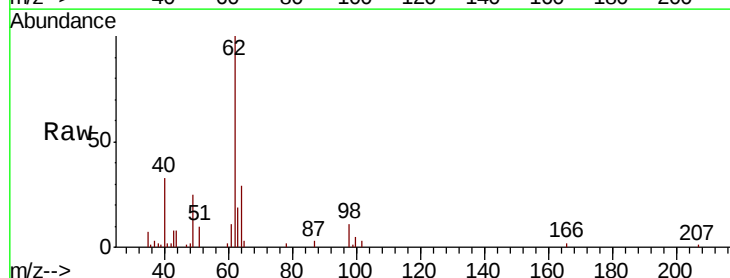
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

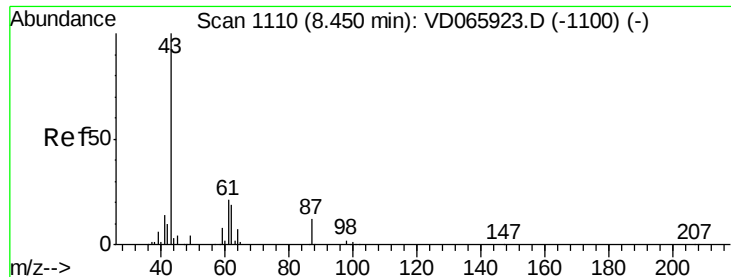
Tot Ion: 41 Resp: 7760
Ion Ratio Lower Upper
41 100
39 58.6 42.4 63.6
67 61.0 53.6 80.4
52 20.6 22.2 33.2#



#42
1,2-Dichloroethane
Concen: 5.298 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 62 Resp: 25834
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.0





#43

Isopropyl Acetate

Concen: 4.886 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

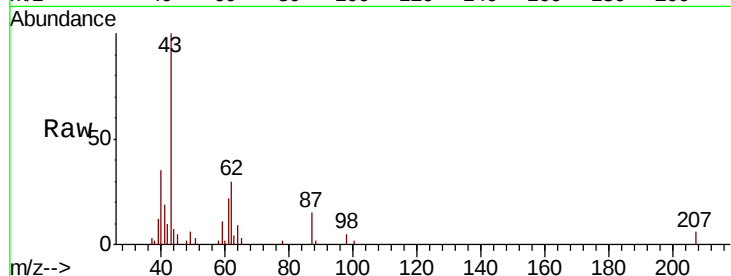
Tot Ion: 43 Resp: 23744

Ion Ratio Lower Upper

43 100

61 31.5 23.2 34.8

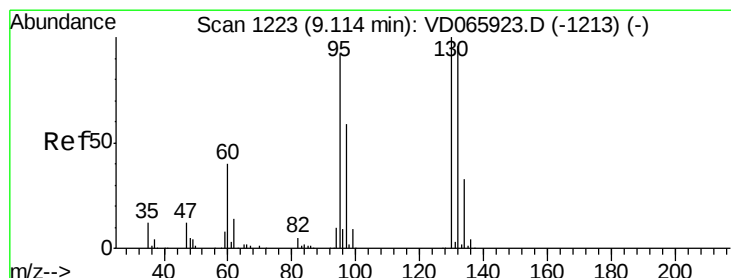
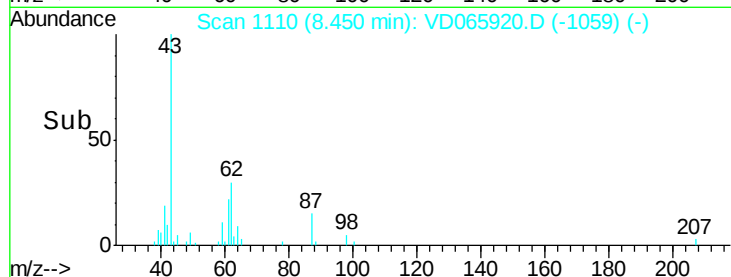
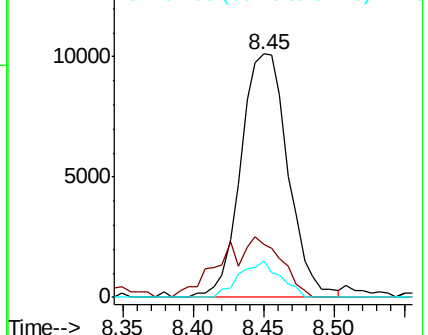
87 12.8 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.071 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065920.D

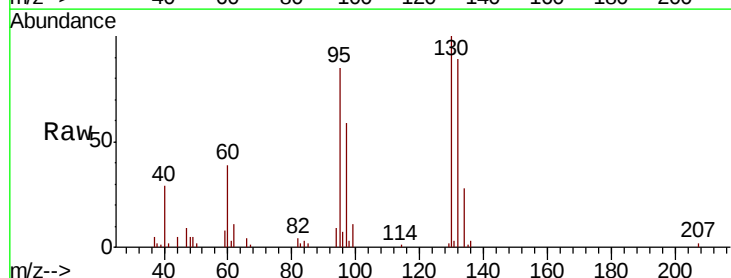
Acq: 07 Jul 2020 13:40

Tgt Ion: 130 Resp: 25647

Ion Ratio Lower Upper

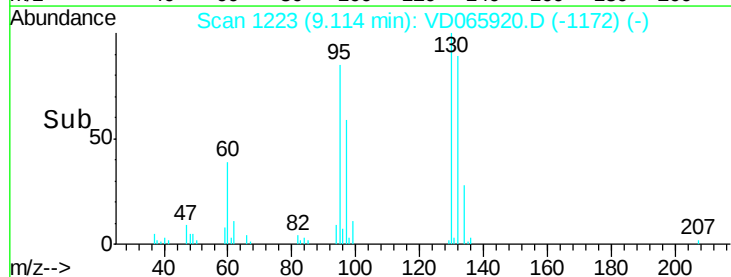
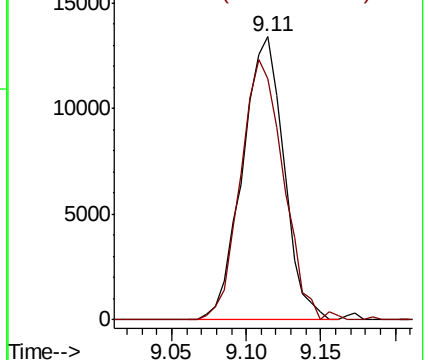
130 100

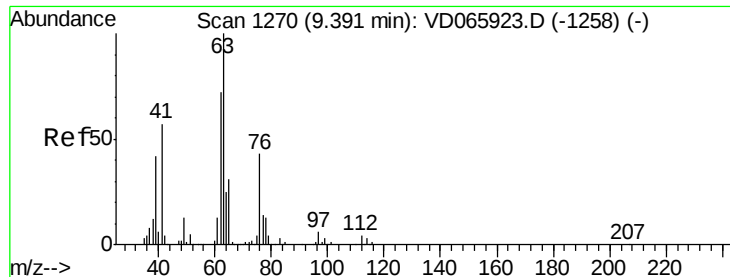
95 85.3 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.069 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

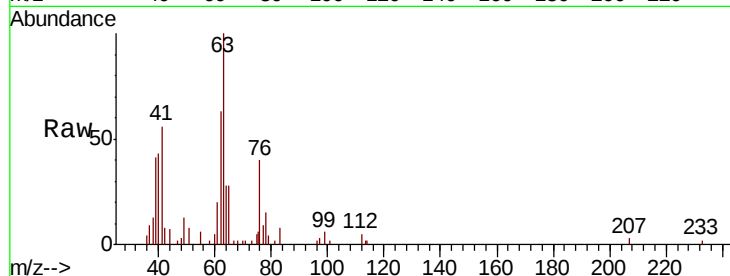
VSTDIC005

Tot Ion: 63 Resp: 21656

Ion Ratio Lower Upper

63 100

65 27.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

12000

10000

8000

6000

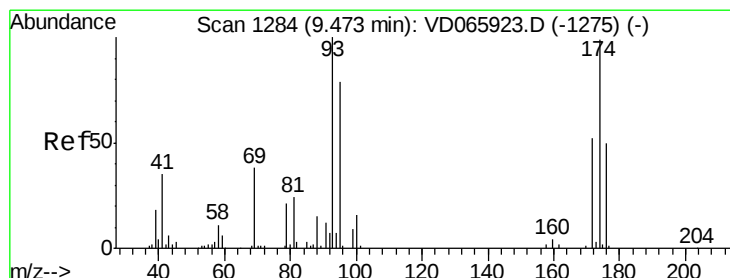
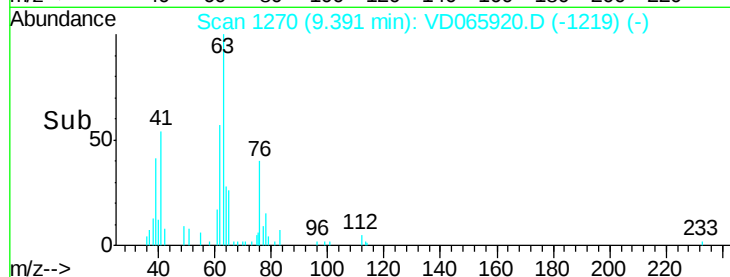
4000

2000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 5.243 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

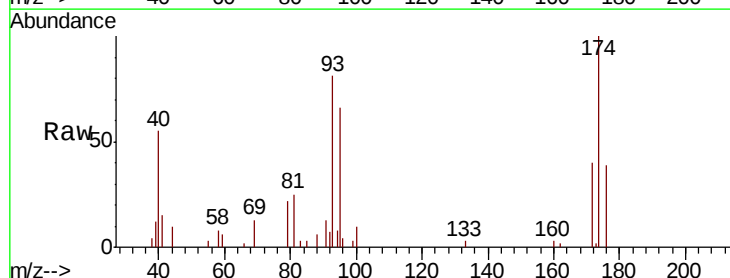
Tgt Ion: 93 Resp: 11661

Ion Ratio Lower Upper

93 100

95 82.8 68.2 102.2

174 108.4 88.0 132.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

8000

6000

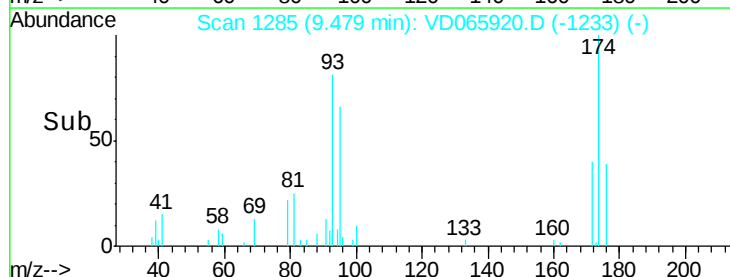
4000

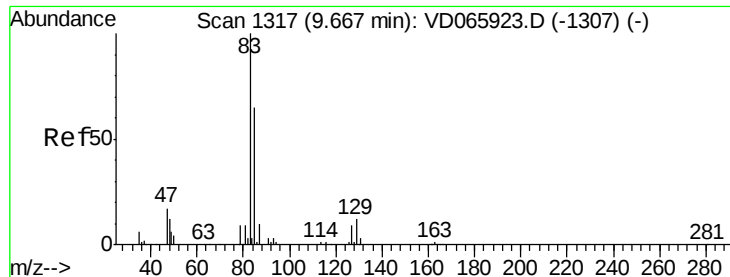
2000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 5.137 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

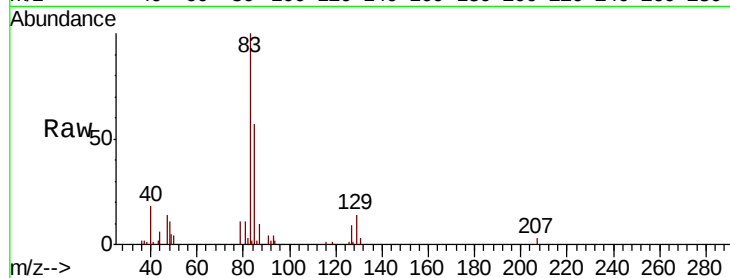
Tot Ion: 83 Resp: 30649

Ion Ratio Lower Upper

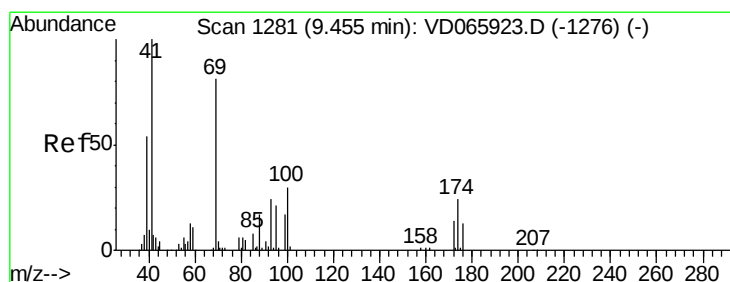
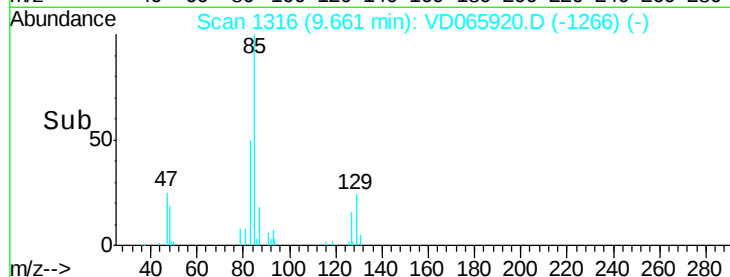
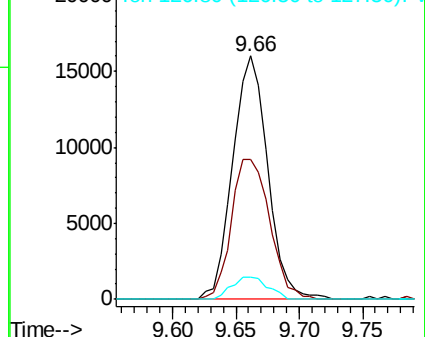
83 100

85 57.3 51.6 77.4

127 9.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 4.445 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

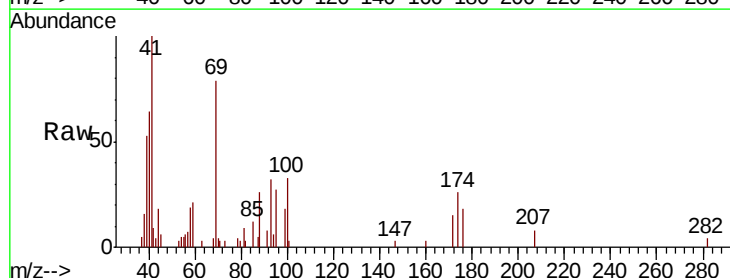
Tgt Ion: 41 Resp: 10873

Ion Ratio Lower Upper

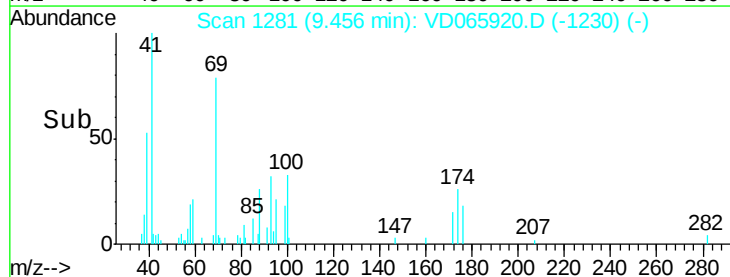
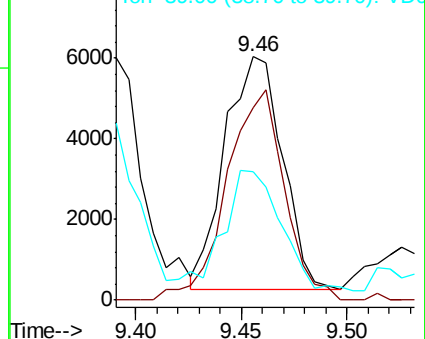
41 100

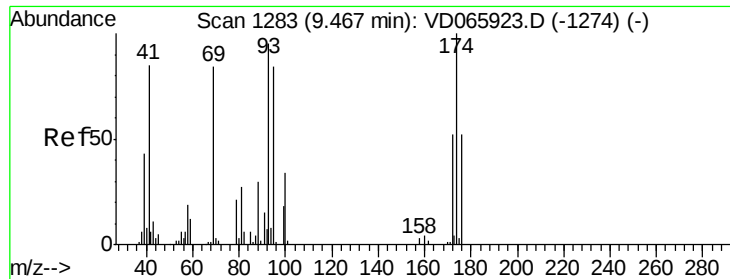
69 91.1 62.2 93.4

39 52.7 39.9 59.9



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

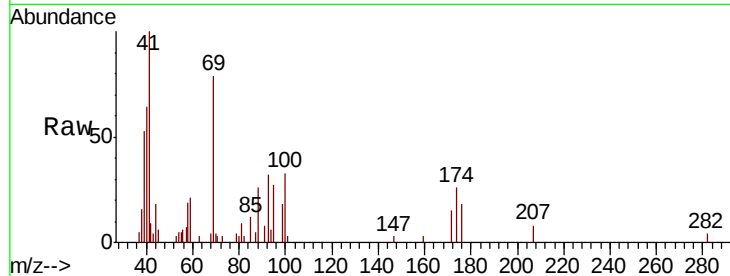




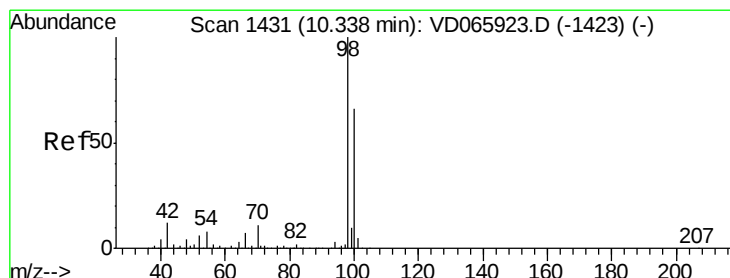
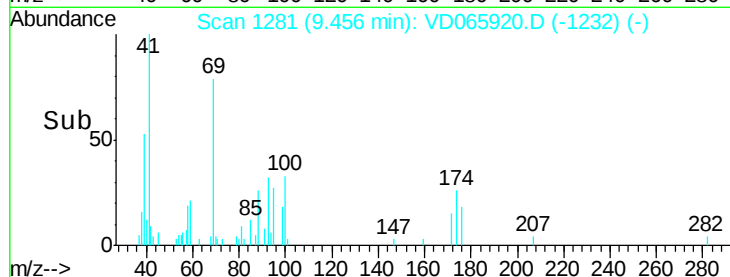
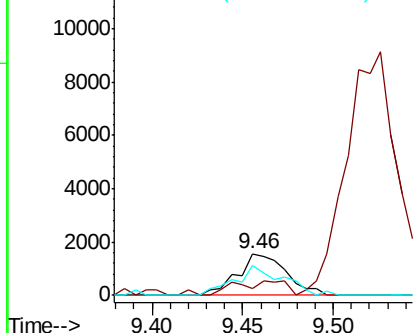
#49
 1,4-Dioxane
 Concen: 110.224 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 2913
 Ion Ratio Lower Upper
 88 100
 43 19.3 28.2 42.4#
 58 70.5 58.6 87.8

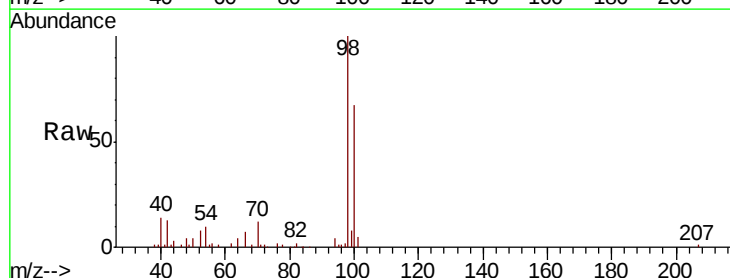


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

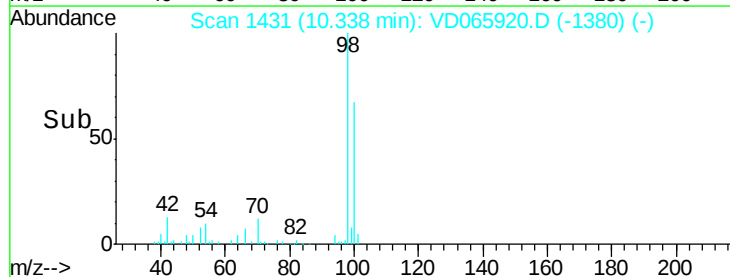
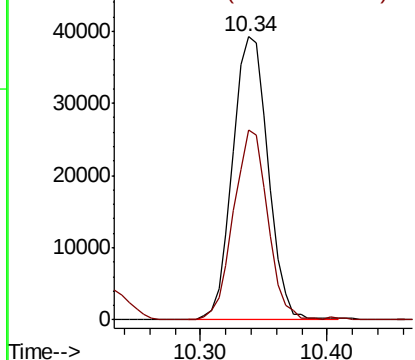


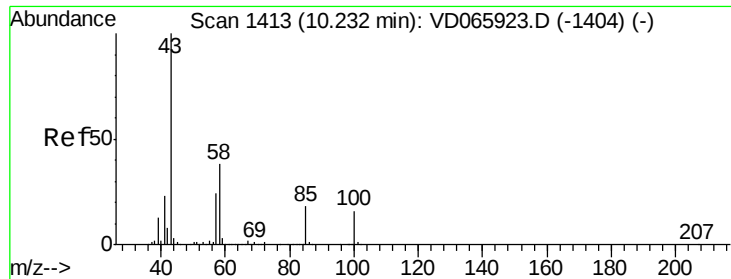
#50
 Toluene-d8
 Concen: 5.346 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 98 Resp: 75915
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.1 79.7



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: 25.243 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

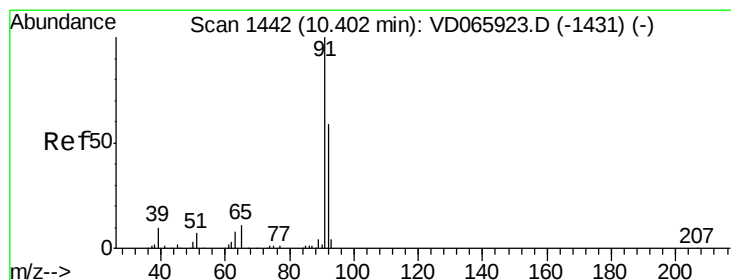
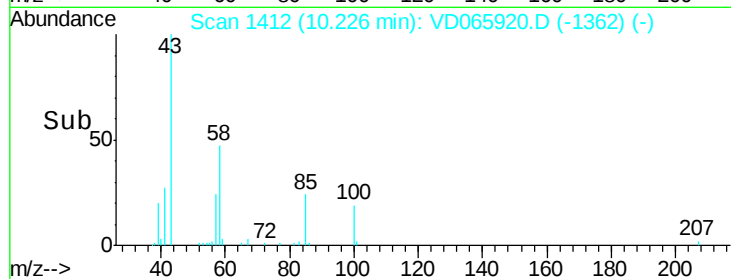
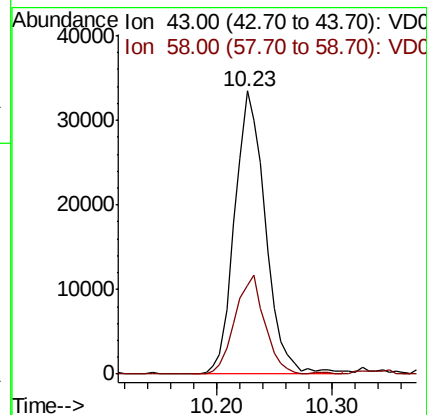
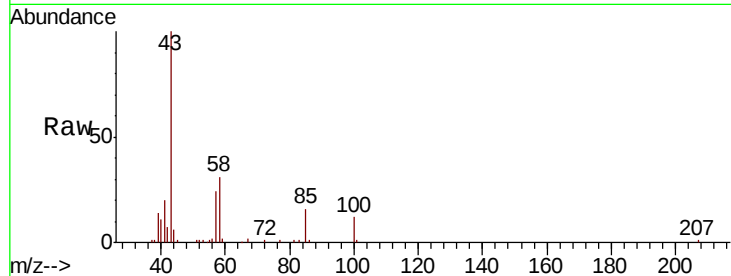
VSTDIC005

Tot Ion: 43 Resp: 62016

Ion Ratio Lower Upper

43 100

58 33.5 30.5 45.7



#52

Toluene

Concen: 4.929 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065920.D

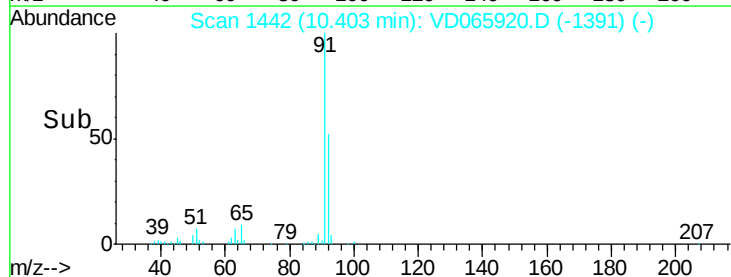
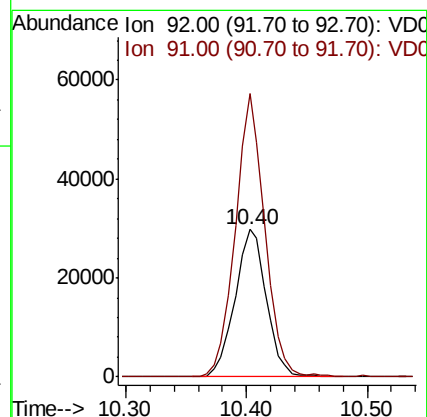
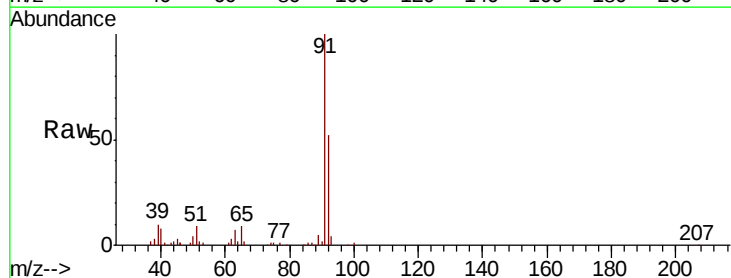
Acq: 07 Jul 2020 13:40

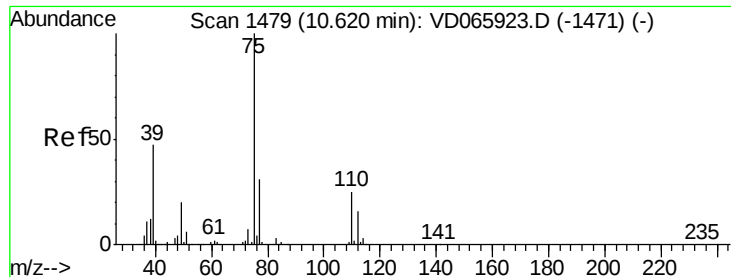
Tgt Ion: 92 Resp: 53978

Ion Ratio Lower Upper

92 100

91 179.6 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 4.846 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

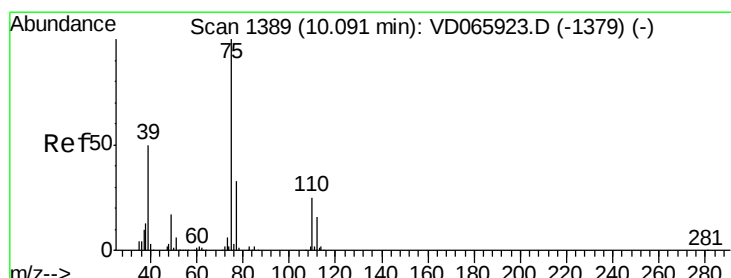
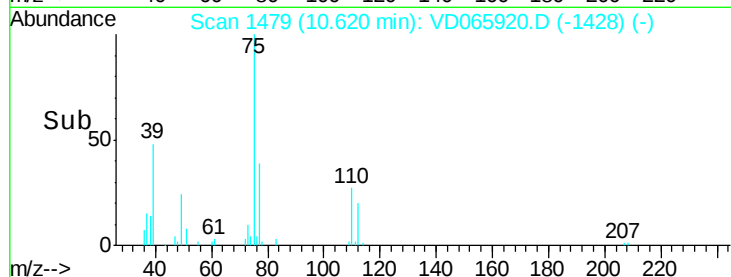
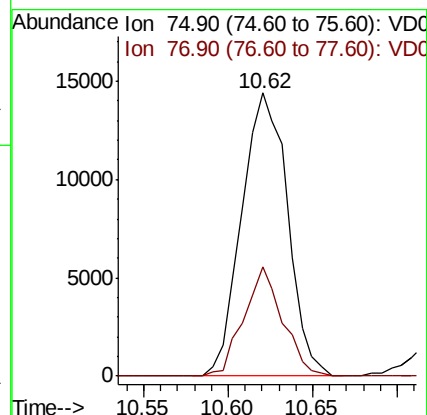
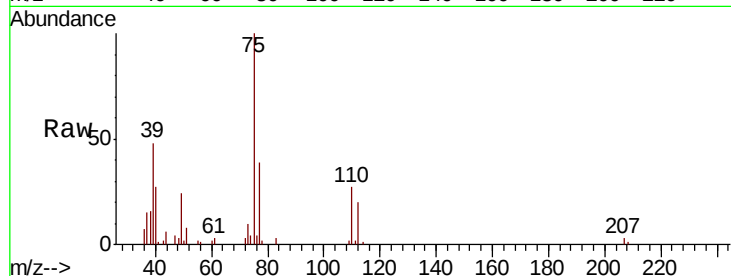
VSTDIC005

Tot Ion: 75 Resp: 27186

Ion Ratio Lower Upper

75 100

77 38.7 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 4.962 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

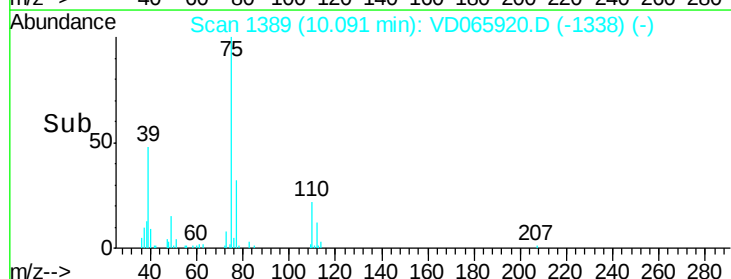
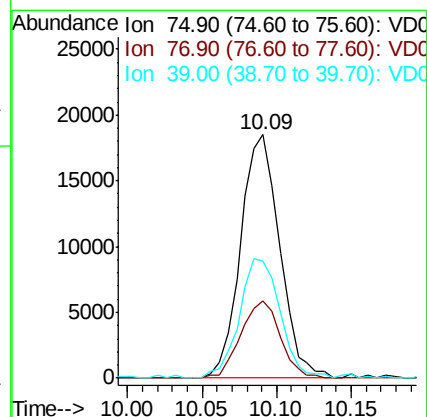
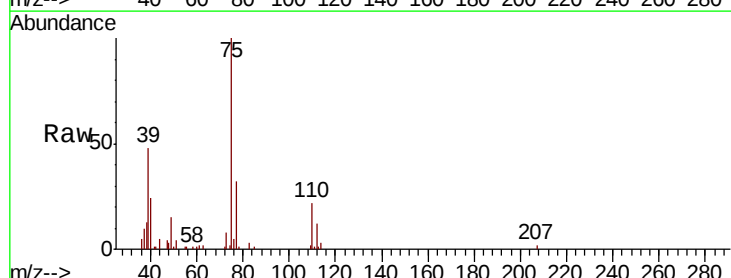
Tgt Ion: 75 Resp: 33633

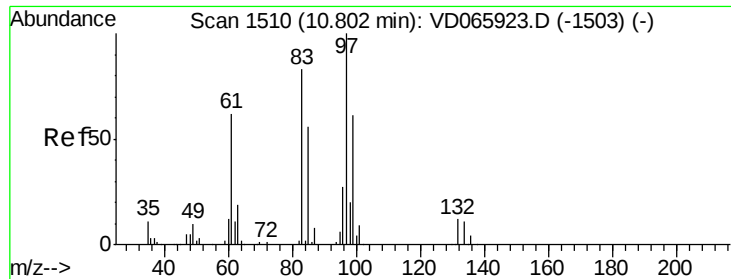
Ion Ratio Lower Upper

75 100

77 31.9 26.6 39.8

39 47.9 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 5.099 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 15627

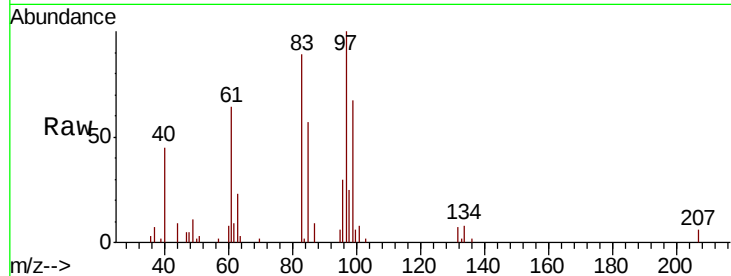
Ion	Ratio	Lower	Upper
97	100		
83	89.2	66.9	100.3
85	56.9	44.5	66.7
99	66.9	49.2	73.8

97 100

83 89.2 66.9 100.3

85 56.9 44.5 66.7

99 66.9 49.2 73.8



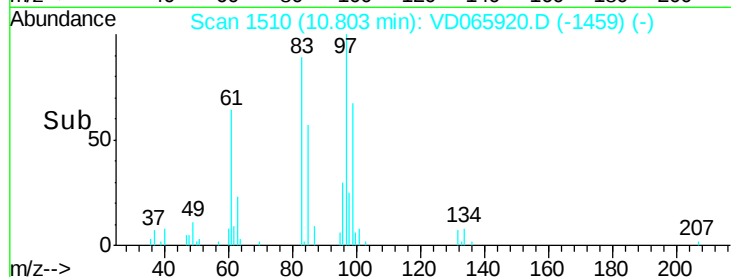
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



10.80

5000

10.75 10.80 10.85

0

10.75 10.80 10.85

0

10.75 10.80 10.85

0

10.75 10.80 10.85

0

10.75 10.80 10.85

0

10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

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10.75 10.80 10.85

0

10.75 10.80 10.85

0

10.75 10.80 10.85

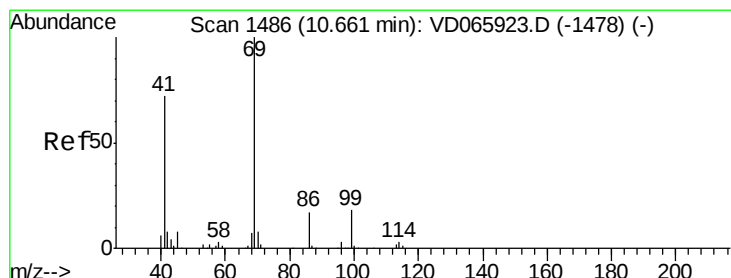
0

10.75 10.80 10.85

0

10.75 10.80 10.85

0



#56

Ethyl methacrylate

Concen: 4.384 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

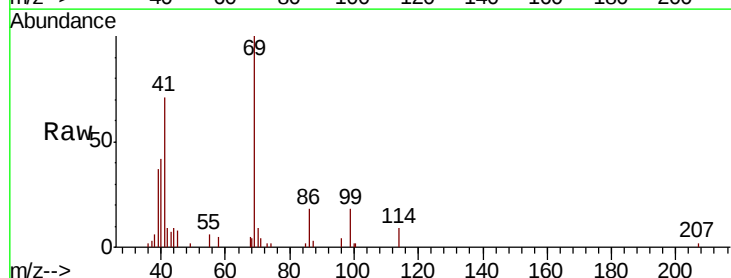
Tgt Ion: 69 Resp: 16408

Ion	Ratio	Lower	Upper
69	100		
41	77.9	56.5	84.7
39	37.9	29.2	43.8

69 100

41 77.9 56.5 84.7

39 37.9 29.2 43.8

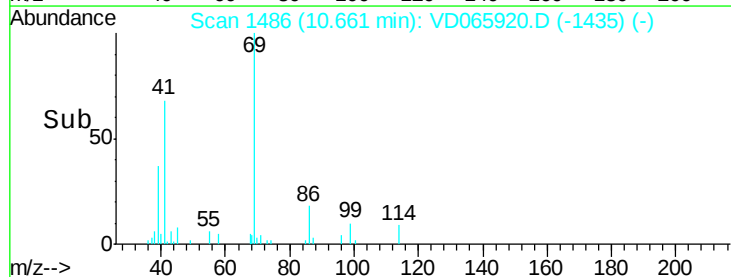


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->



10.66

5000

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

0

10.60 10.65 10.70

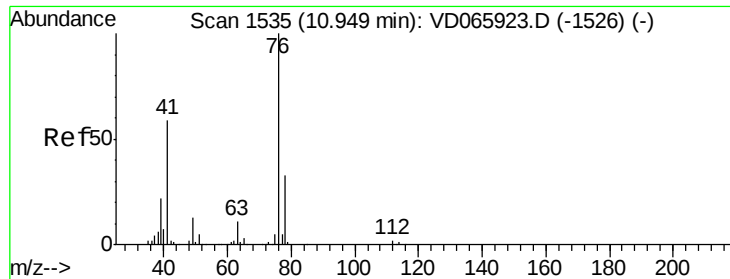
0

10.60 10.65 10.70

0

10.60 10.65 10.70

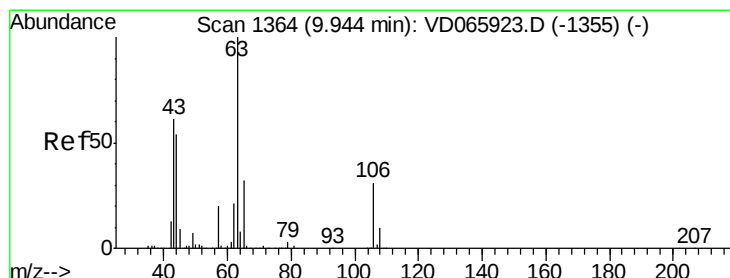
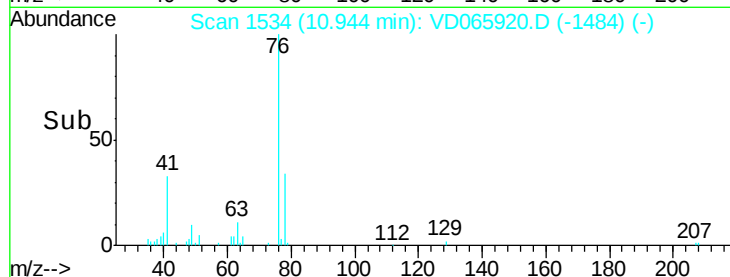
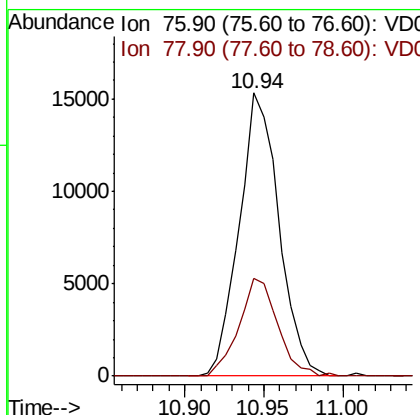
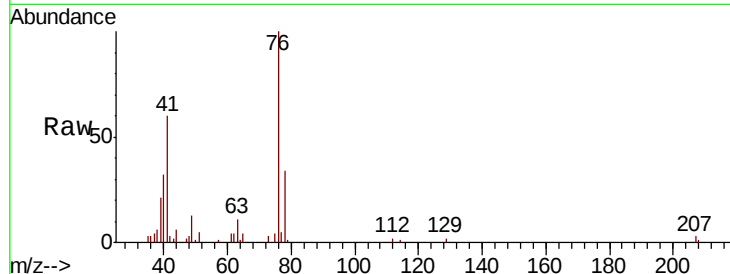
0



#57
 1,3-Dichloropropane
 Concen: 4.990 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

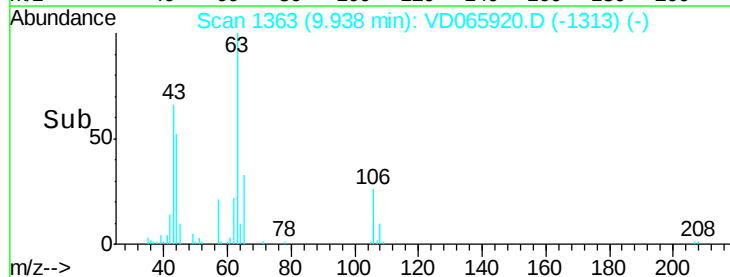
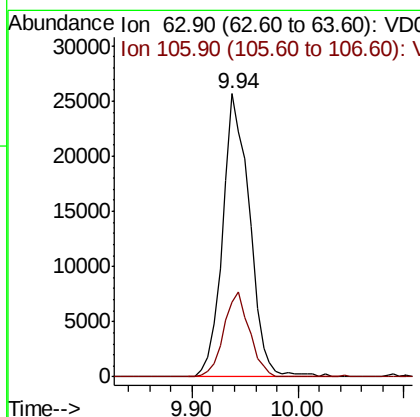
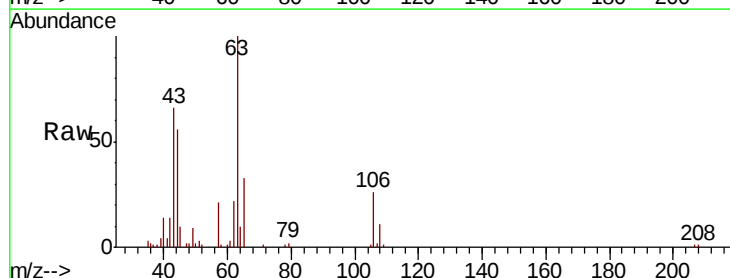
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

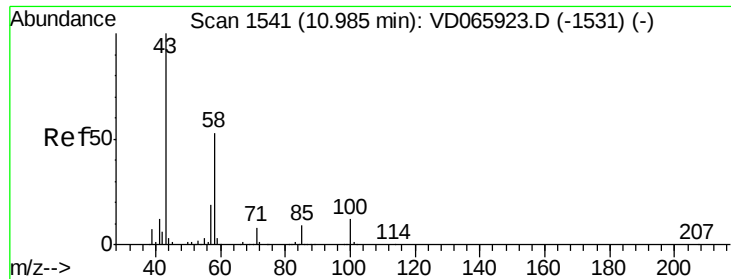
Tot Ion: 76 Resp: 26743
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.079 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 63 Resp: 45461
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.8 35.6

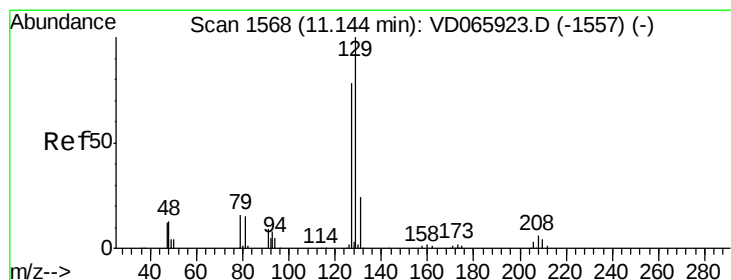
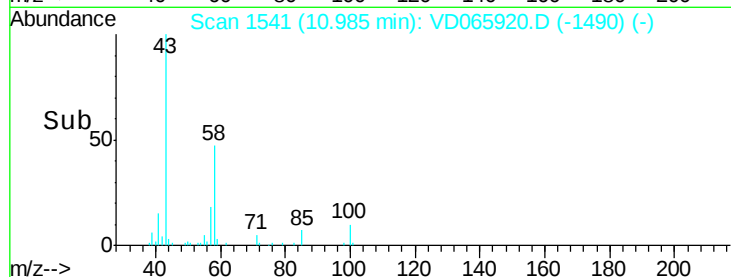
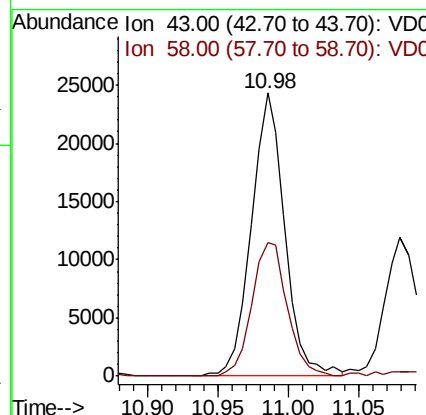
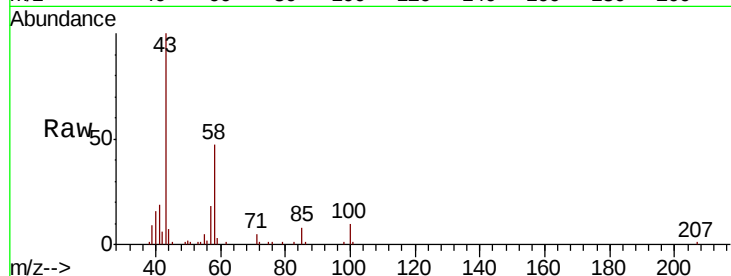




#59
2-Hexanone
Concen: 23.977 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

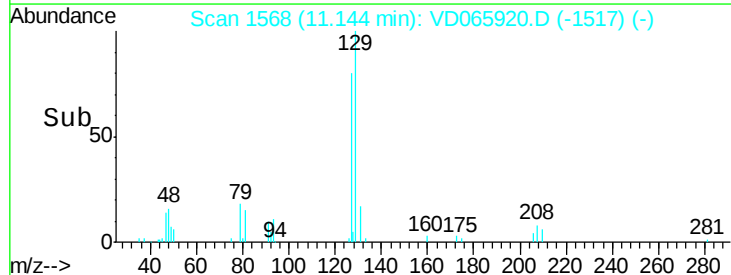
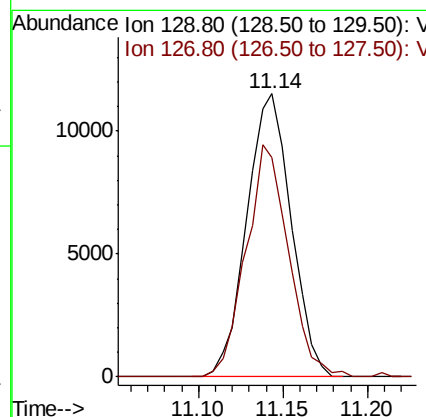
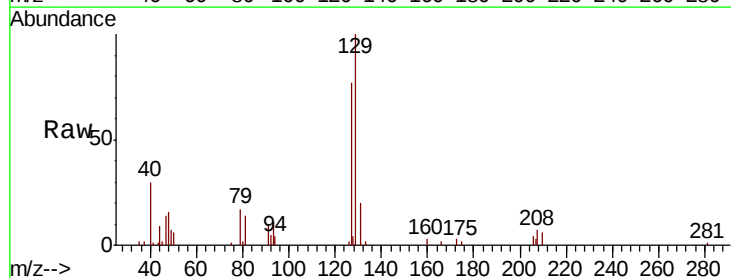
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

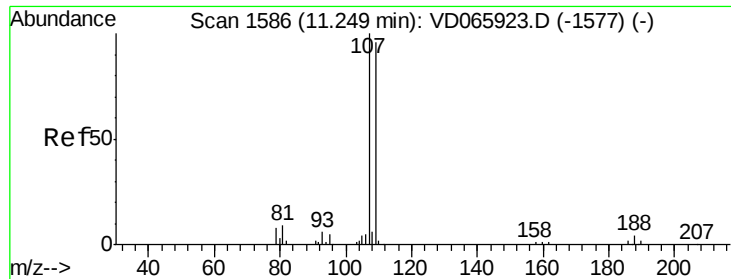
Tot Ion: 43 Resp: 40511
Ion Ratio Lower Upper
43 100
58 49.9 26.6 79.8



#60
Dibromochloromethane
Concen: 5.032 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 129 Resp: 21068
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4

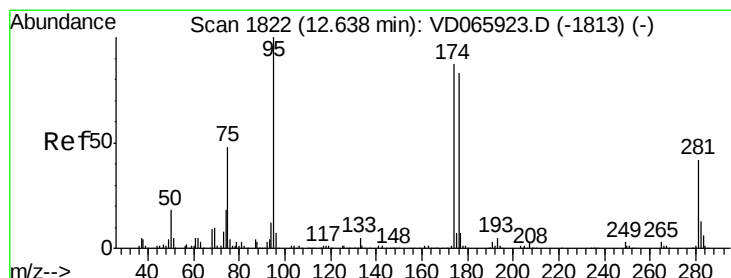
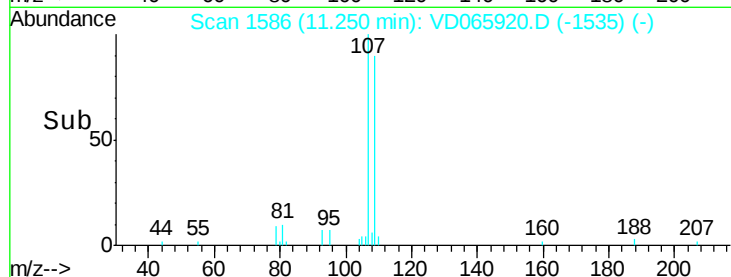
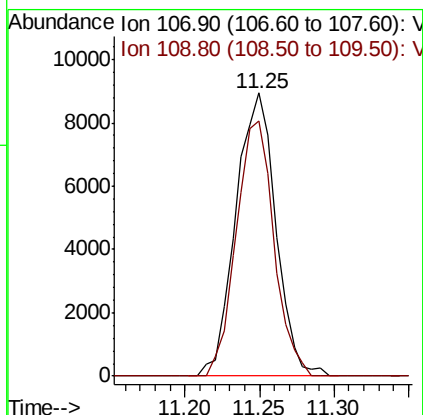
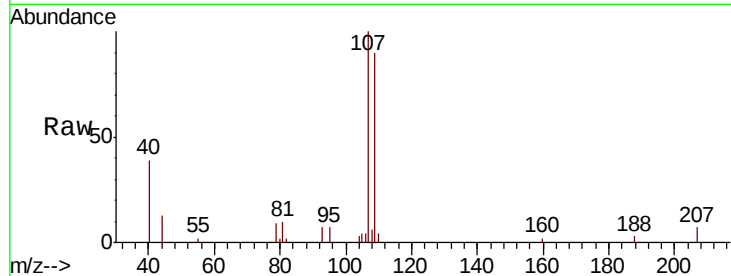




#61
 1,2-Dibromoethane
 Concen: 5.455 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

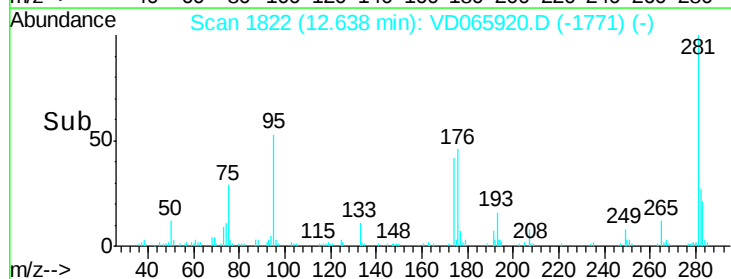
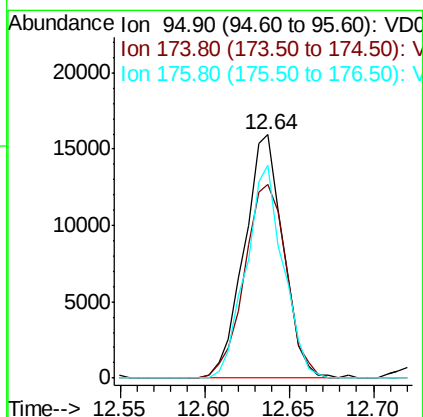
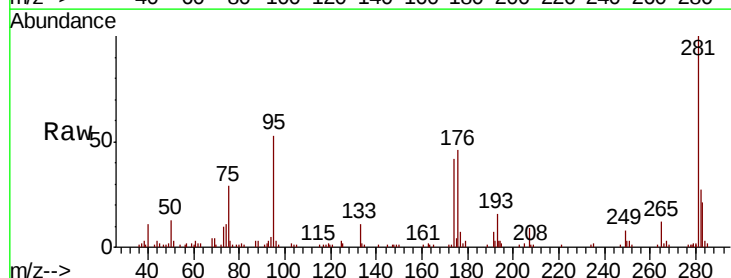
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

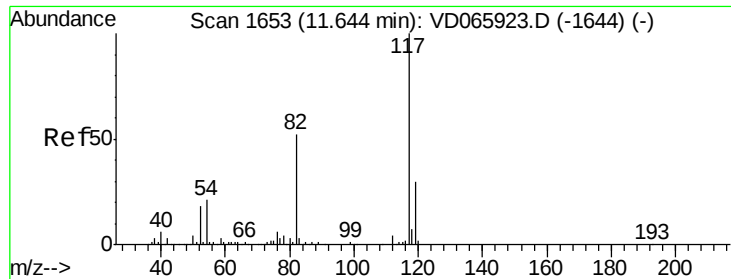
Tot Ion:107 Resp: 16666
 Ion Ratio Lower Upper
 107 100
 109 84.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 5.252 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 95 Resp: 25608
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 169.4
 176 83.1 0.0 164.0

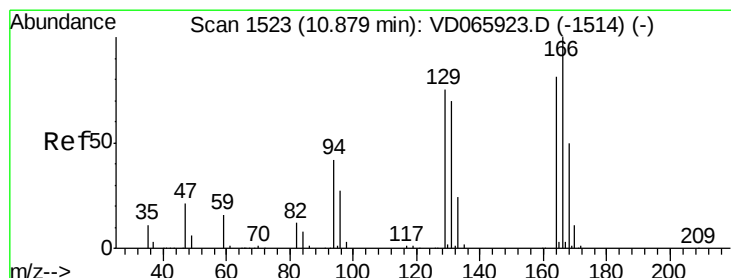
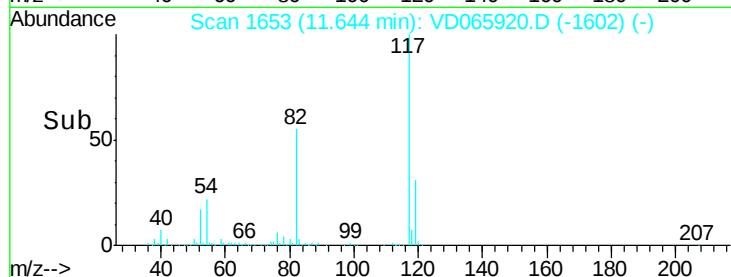
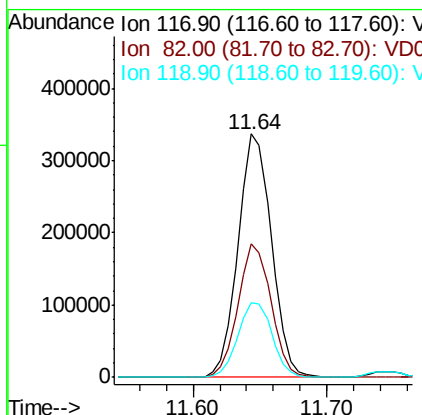
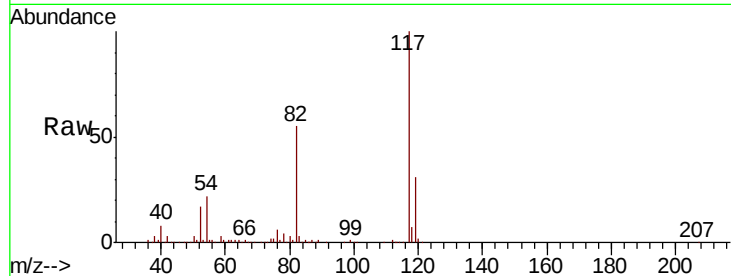




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

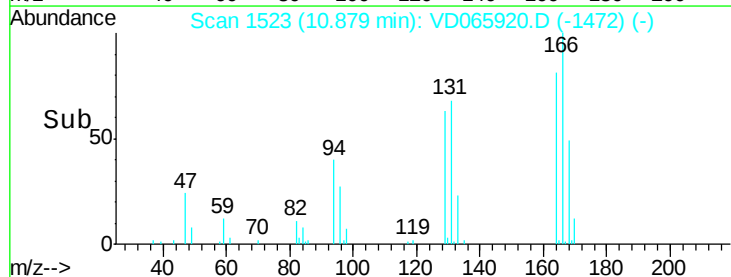
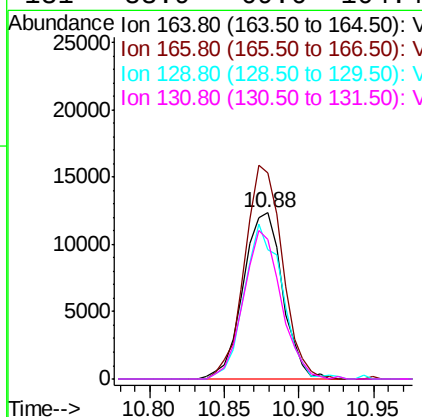
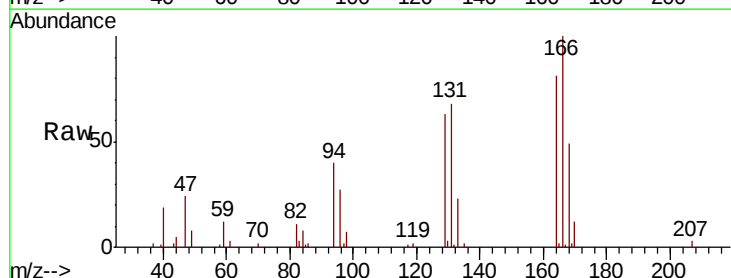
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

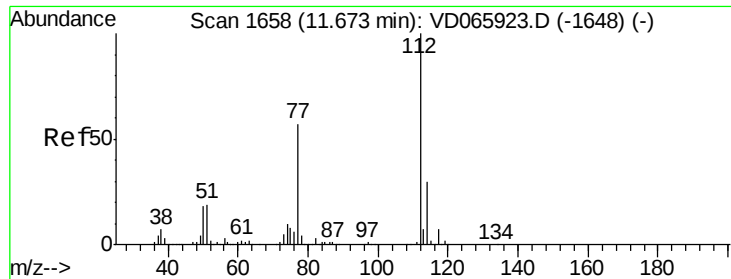
Tot Ion:117 Resp: 584708
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 30.8 24.3 36.5



#64
Tetrachloroethene
Concen: 5.307 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:164 Resp: 22567
Ion Ratio Lower Upper
164 100
166 123.8 99.0 148.4
129 78.0 73.9 110.9
131 83.9 69.6 104.4

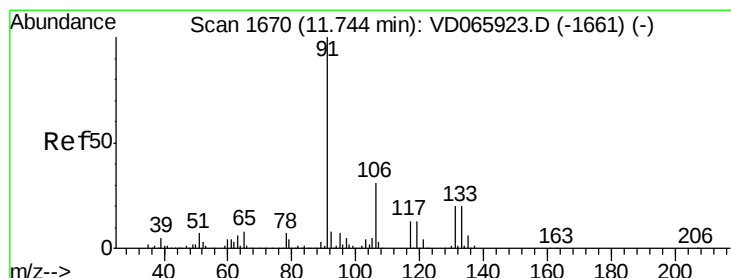
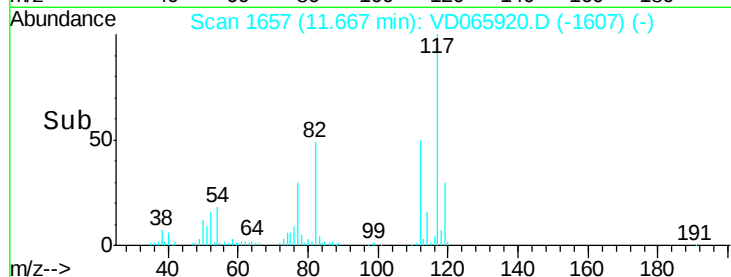
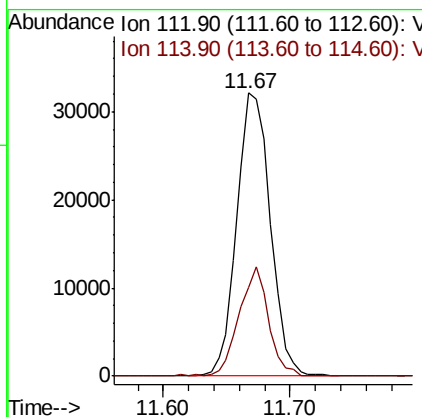
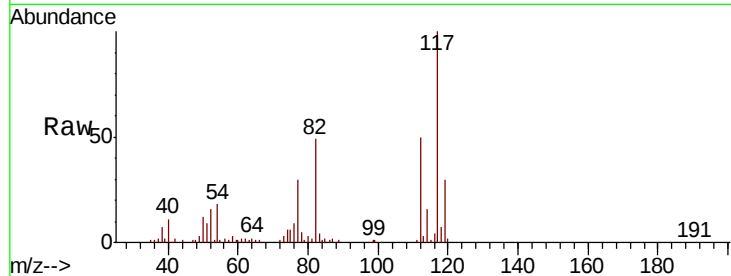




#65
Chlorobenzene
Concen: 5.005 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

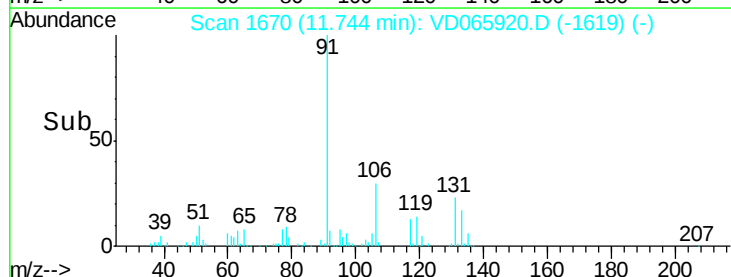
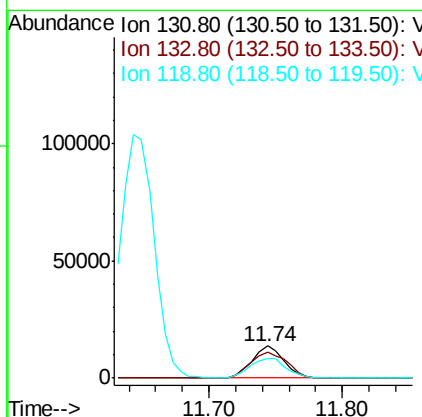
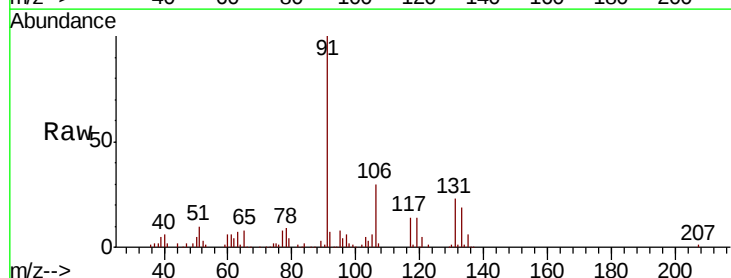
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

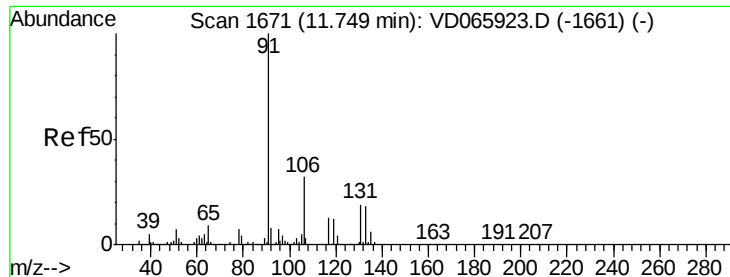
Tot Ion:112 Resp: 58978
Ion Ratio Lower Upper
112 100
114 31.6 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.178 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:131 Resp: 22822
Ion Ratio Lower Upper
131 100
133 92.7 47.9 143.6
119 68.7 31.9 95.9





#67

Ethyl Benzene

Concen: 4.987 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

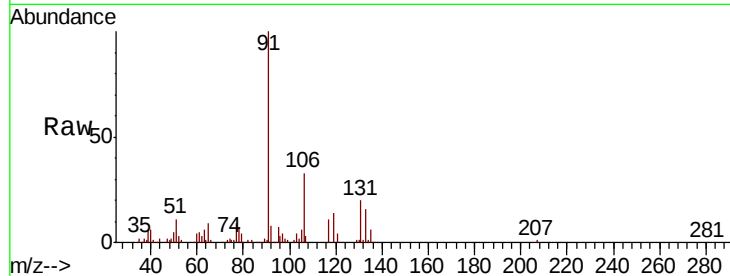
VSTDIC005

Tot Ion: 91 Resp: 104392

Ion Ratio Lower Upper

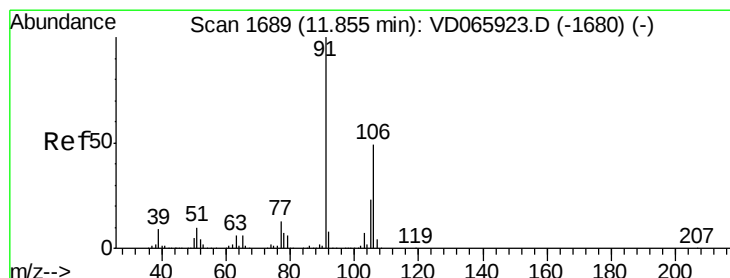
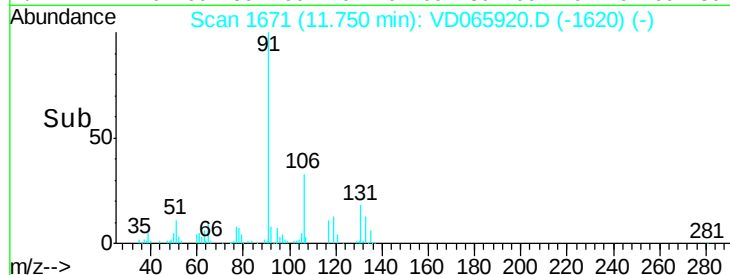
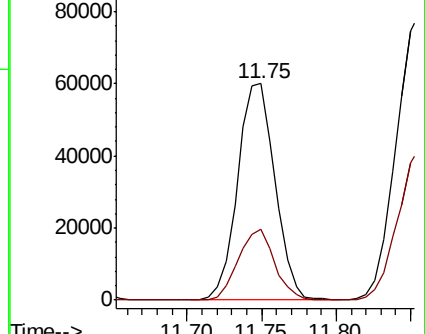
91 100

106 32.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 9.828 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065920.D

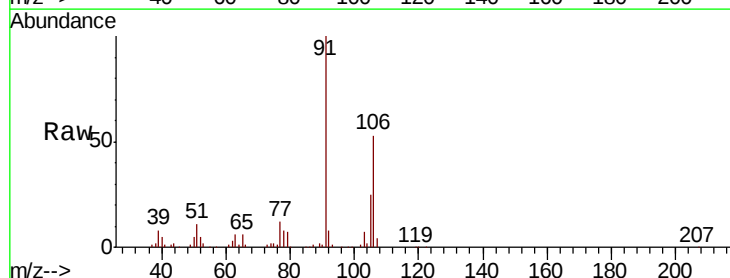
Acq: 07 Jul 2020 13:40

Tgt Ion: 106 Resp: 78158

Ion Ratio Lower Upper

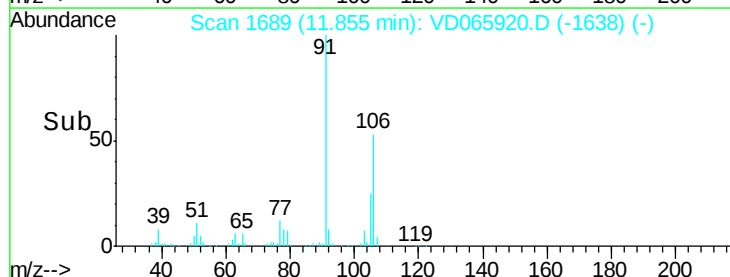
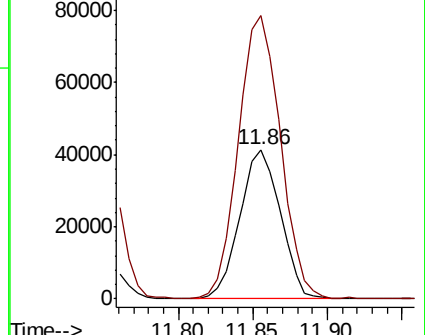
106 100

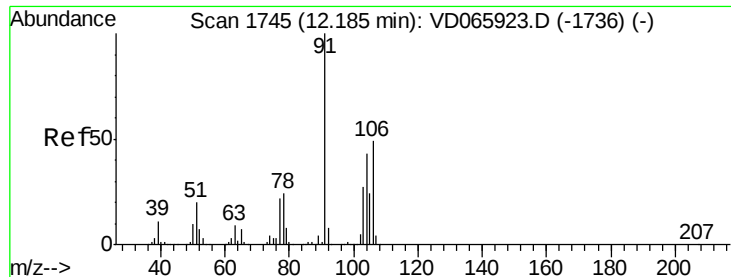
91 196.4 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

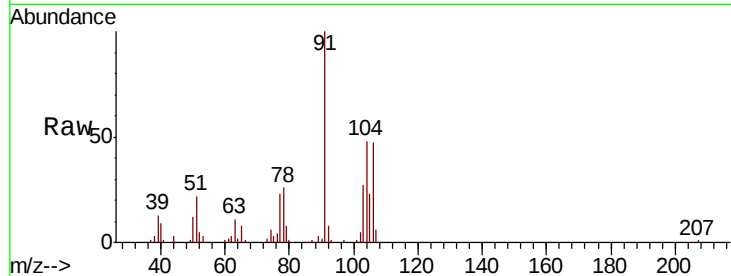




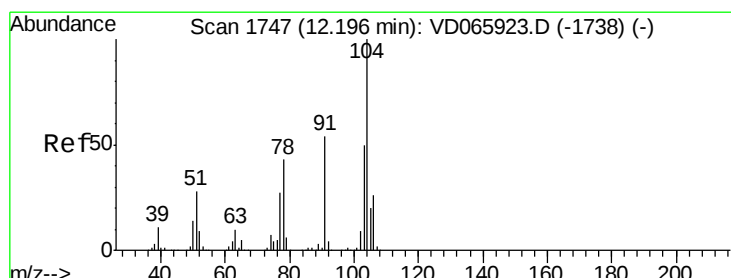
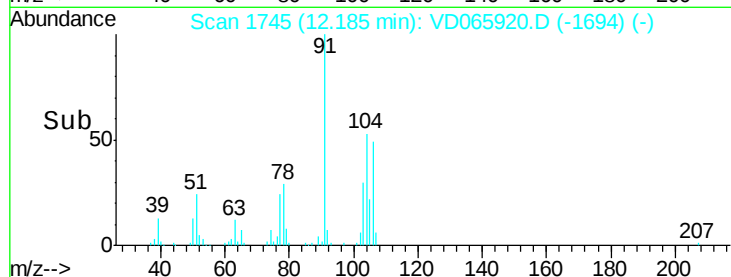
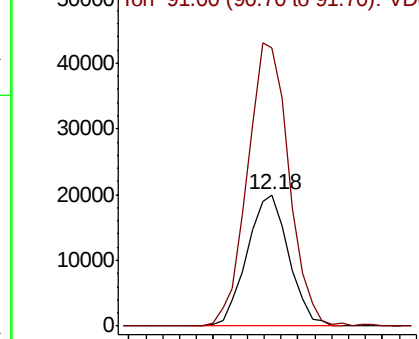
#69
o-Xylene
Concen: 4.699 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 34043
Ion Ratio Lower Upper
106 100
91 216.4 104.1 312.2

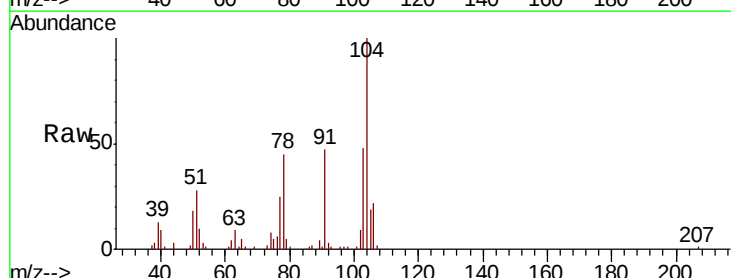


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

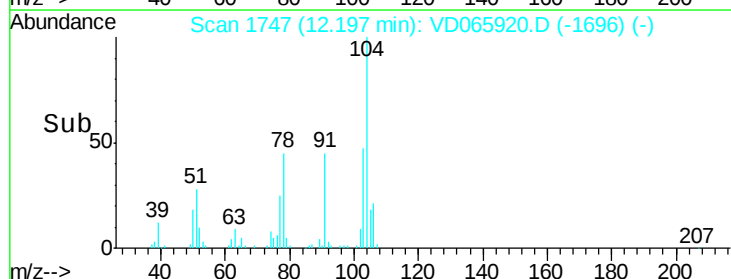
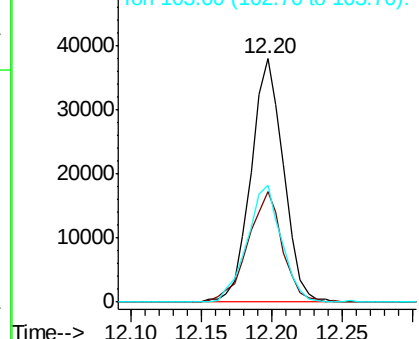


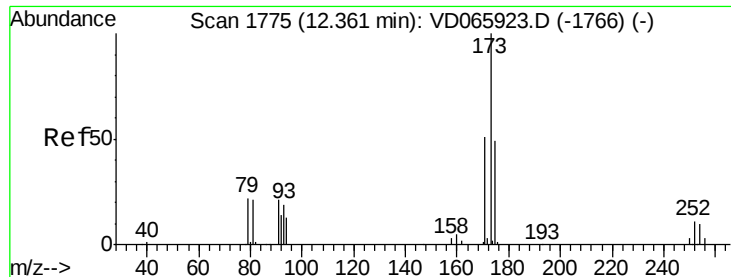
#70
Styrene
Concen: 4.911 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:104 Resp: 61421
Ion Ratio Lower Upper
104 100
78 47.7 38.8 58.2
103 50.7 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 5.226 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

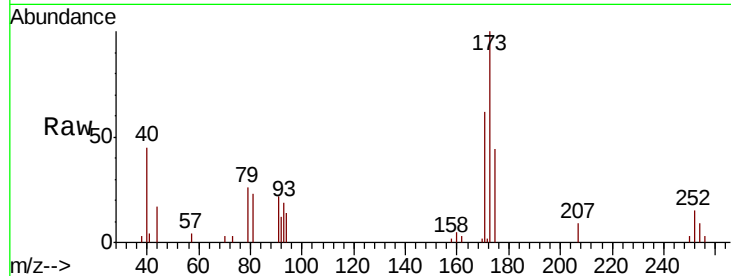
Tot Ion:173 Resp: 13033

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

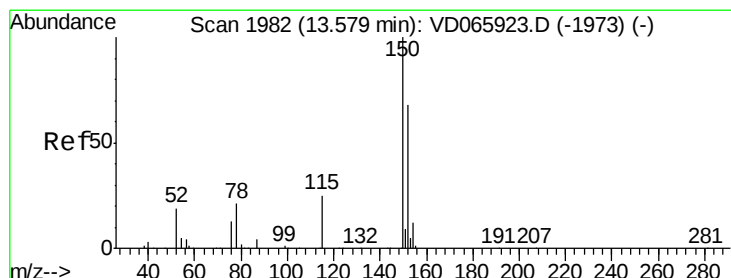
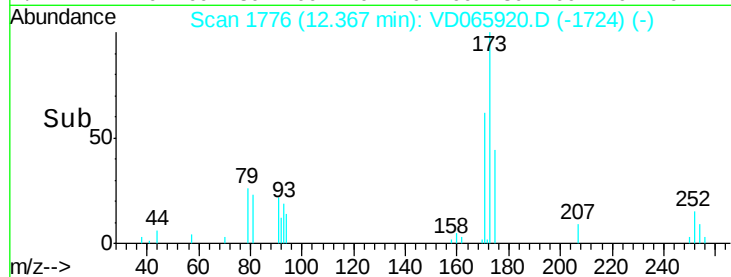
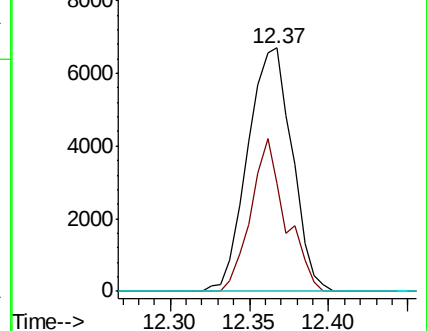
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

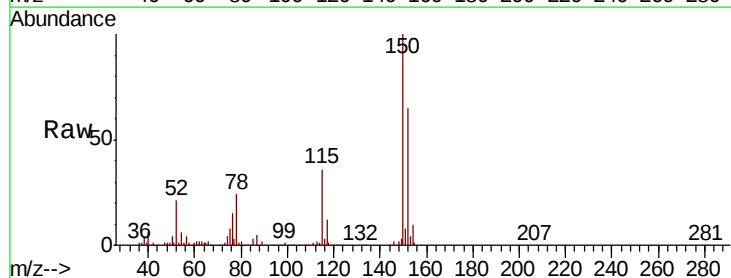
Tgt Ion:152 Resp: 287059

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

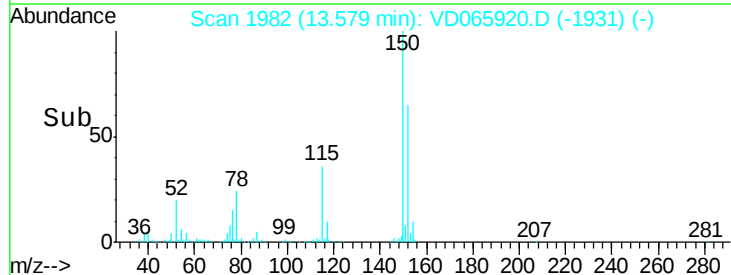
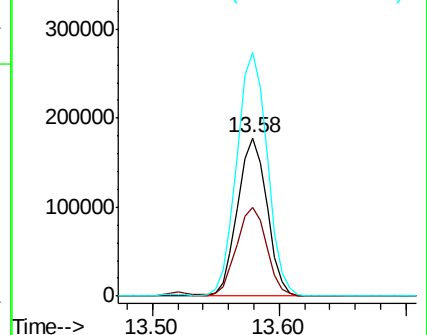
150 159.1 0.0 347.2

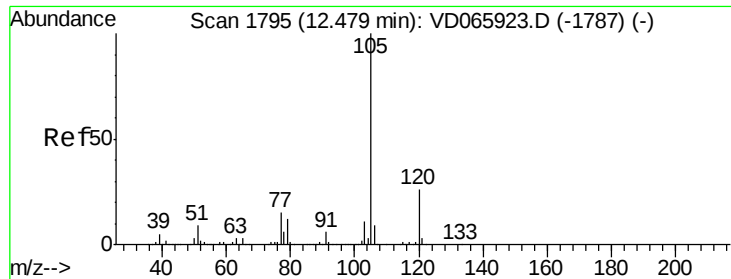


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.668 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

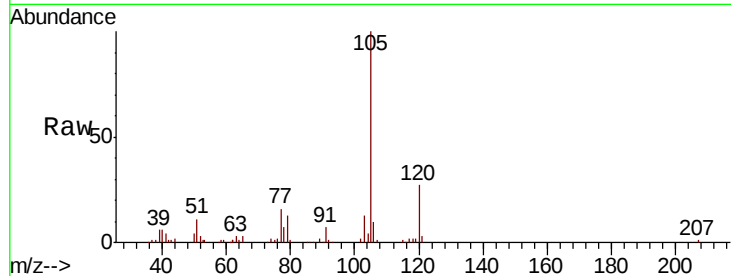
VSTDIC005

Tot Ion:105 Resp: 93525

Ion Ratio Lower Upper

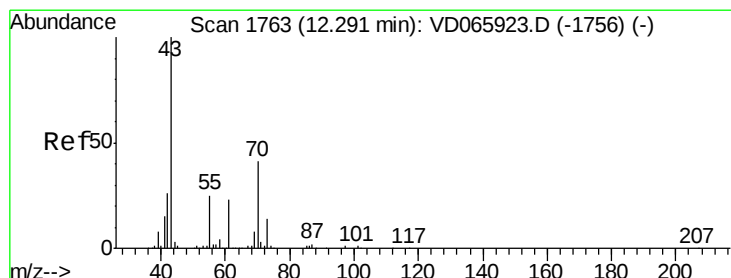
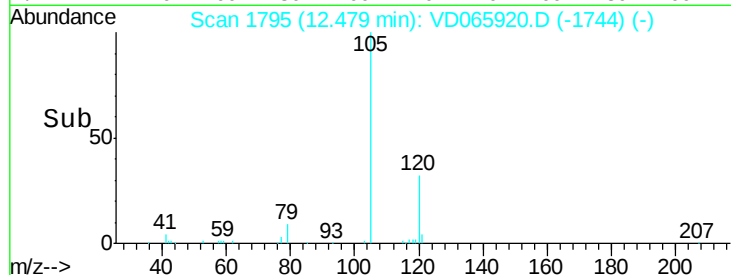
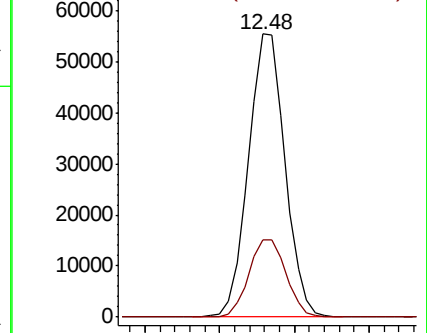
105 100

120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.726 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Tgt Ion: 43 Resp: 21247

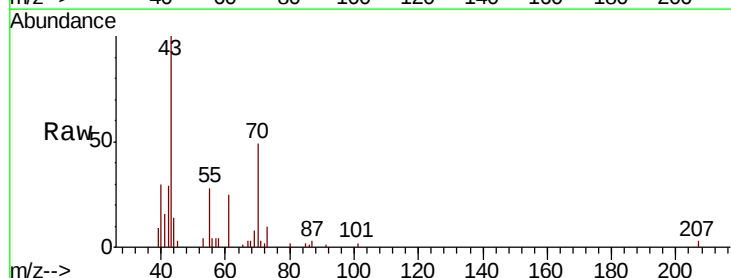
Ion Ratio Lower Upper

43 100

70 41.0 33.6 50.4

55 26.9 20.1 30.1

61 21.5 18.9 28.3

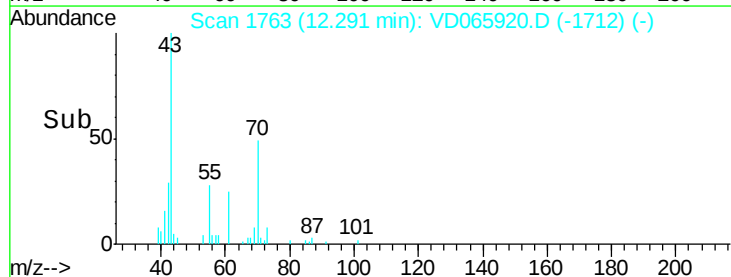
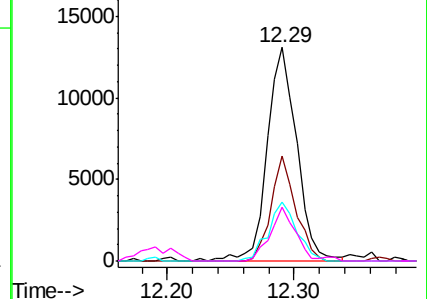


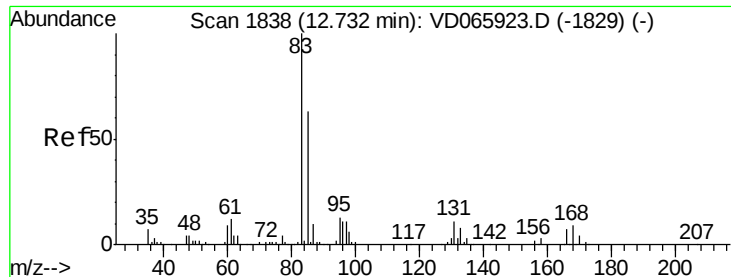
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.081 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

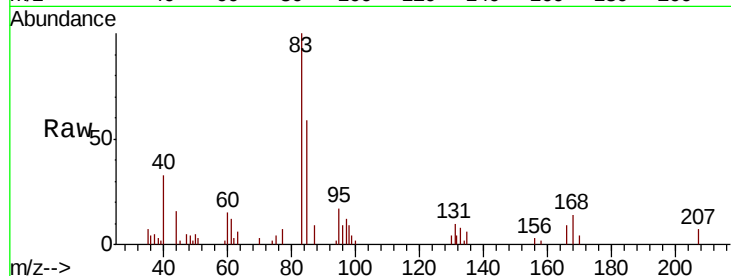
Tot Ion: 83 Resp: 16900

Ion Ratio Lower Upper

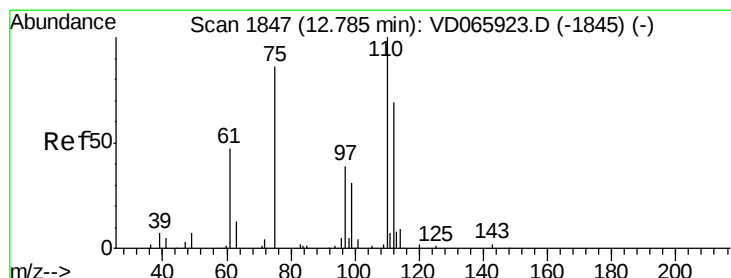
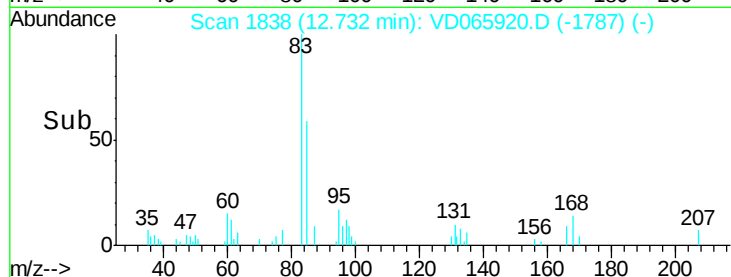
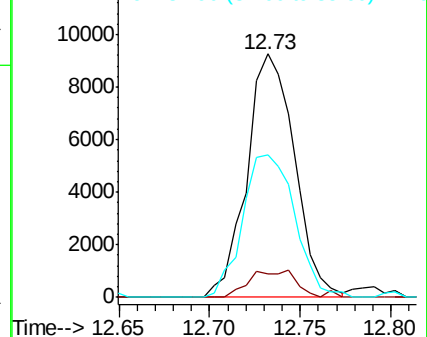
83 100

131 10.8 5.6 16.8

85 64.2 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: 9.417 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065920.D

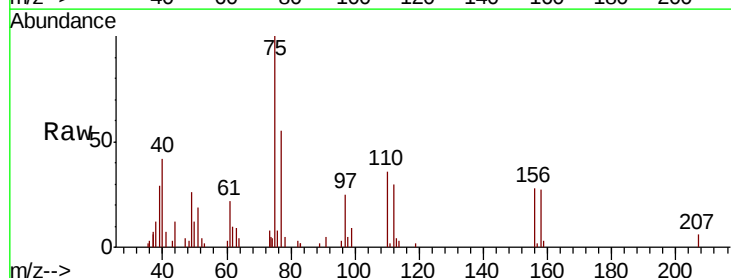
Acq: 07 Jul 2020 13:40

Tgt Ion: 75 Resp: 22584

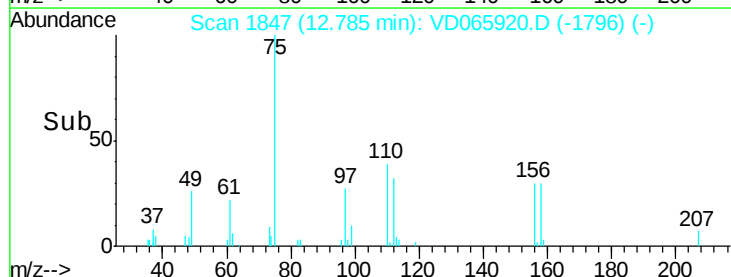
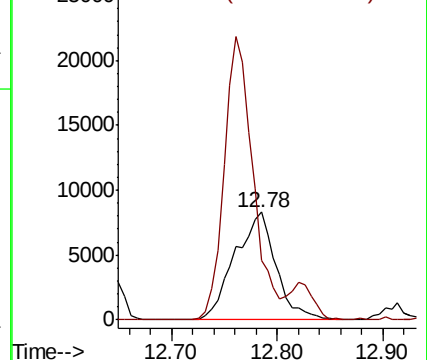
Ion Ratio Lower Upper

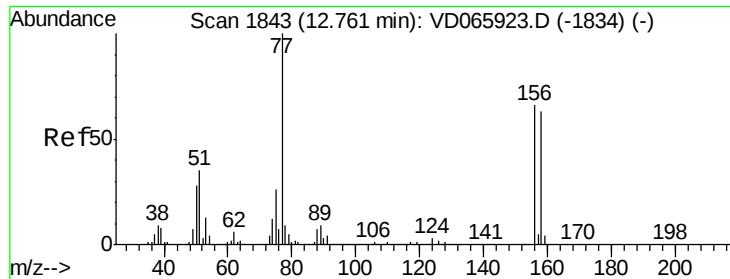
75 100

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: 4.939 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

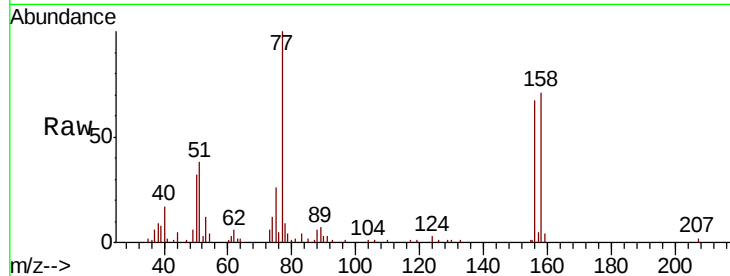
Tot Ion:156 Resp: 24000

Ion Ratio Lower Upper

156 100

77 172.6 85.0 255.0

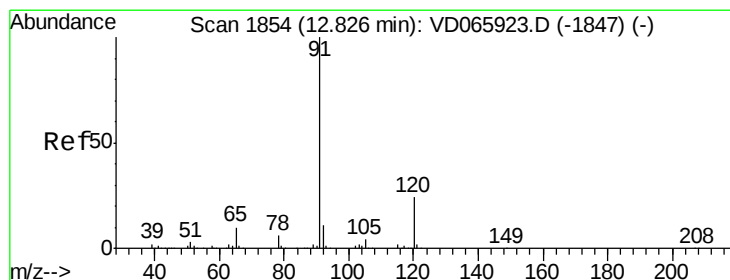
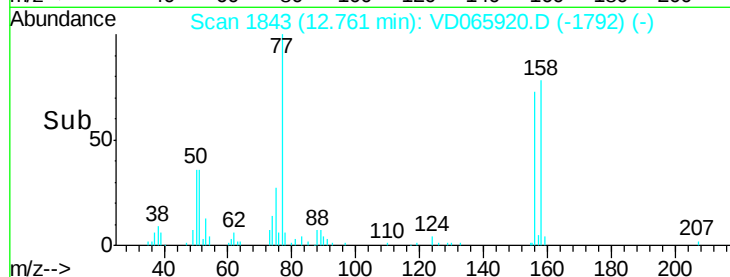
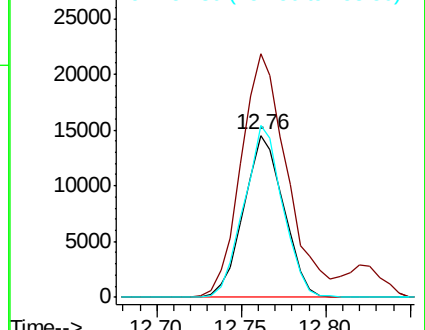
158 102.4 49.0 147.0



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: 4.814 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065920.D

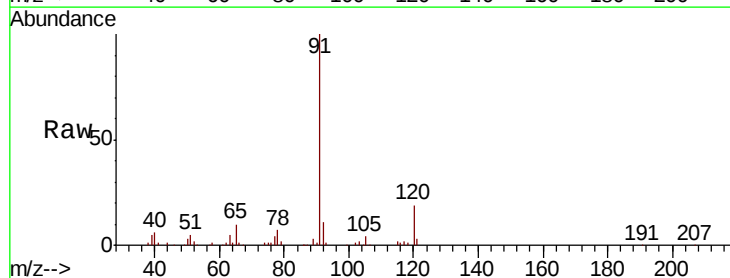
Acq: 07 Jul 2020 13:40

Tgt Ion: 91 Resp: 113066

Ion Ratio Lower Upper

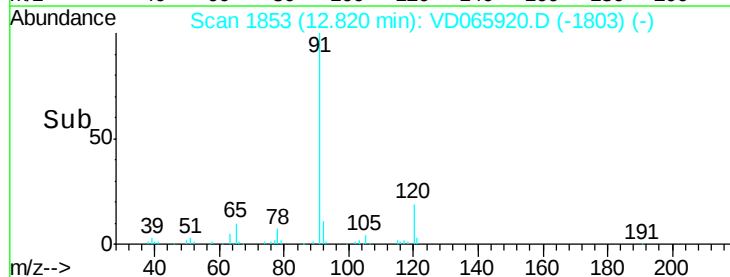
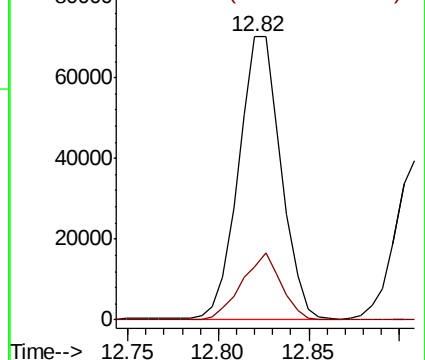
91 100

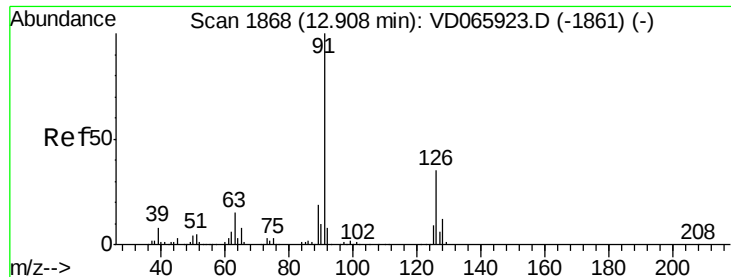
120 22.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.011 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

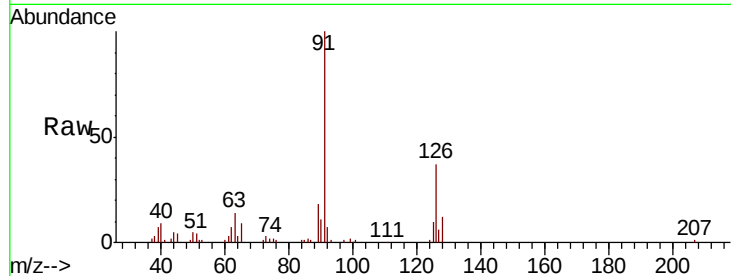
VSTDIC005

Tot Ion: 91 Resp: 66766

Ion Ratio Lower Upper

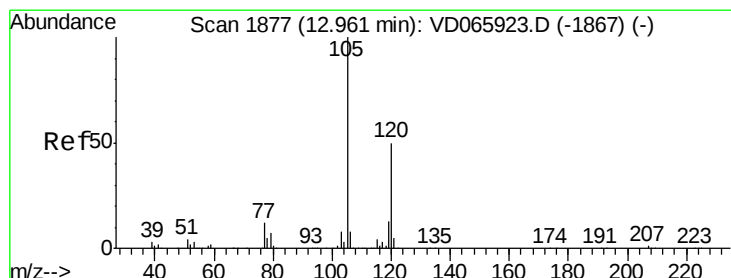
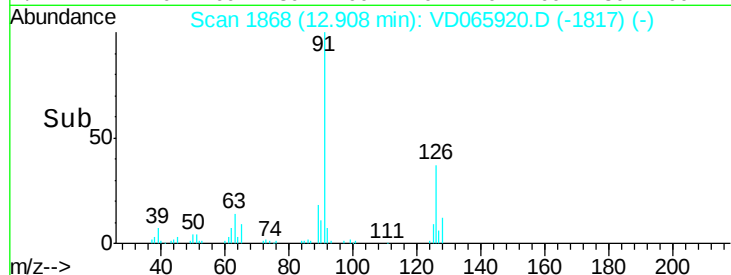
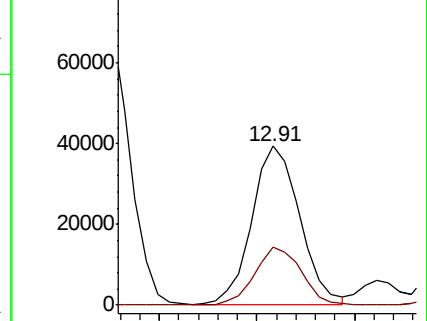
91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.701 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065920.D

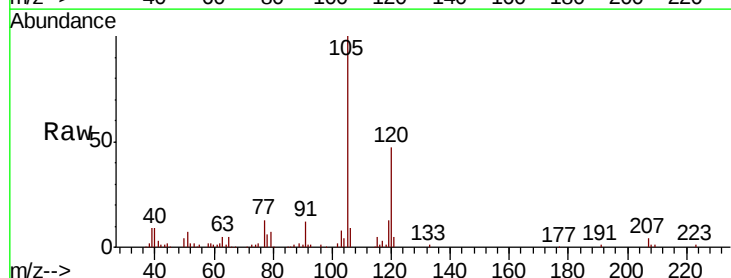
Acq: 07 Jul 2020 13:40

Tgt Ion:105 Resp: 77027

Ion Ratio Lower Upper

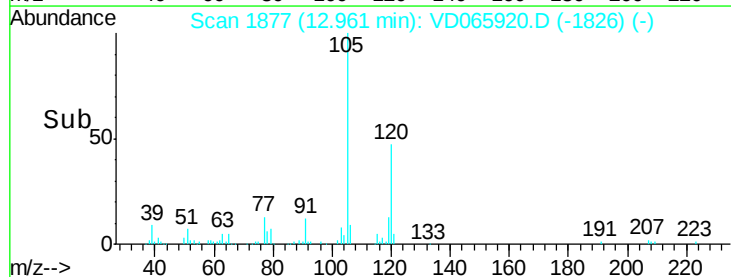
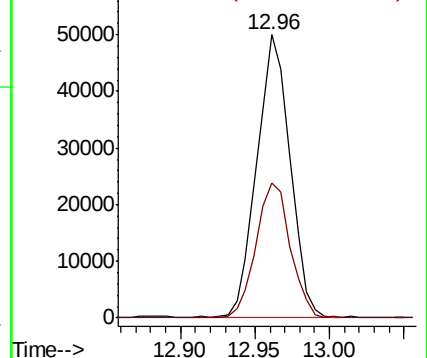
105 100

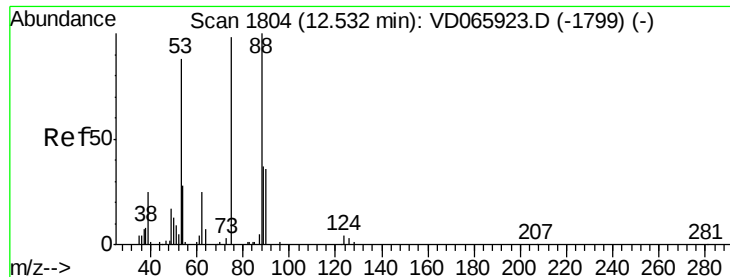
120 49.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.501 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

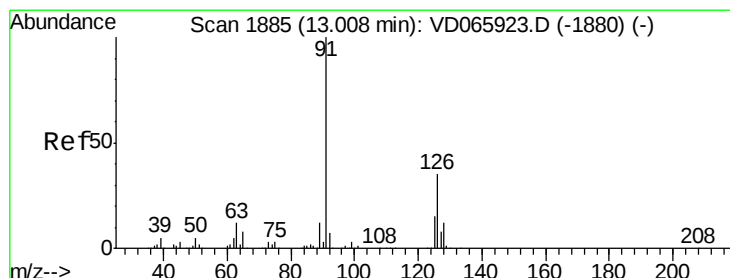
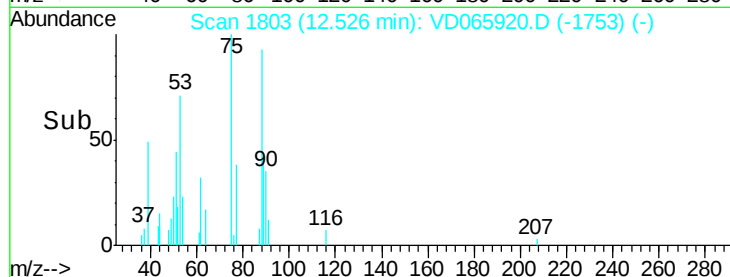
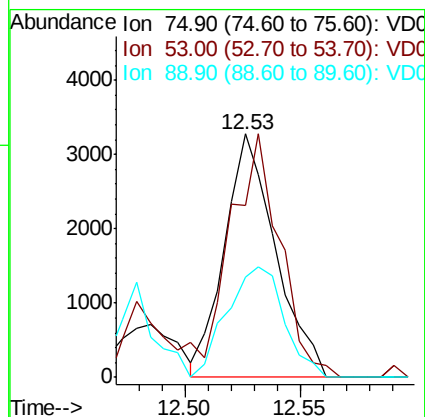
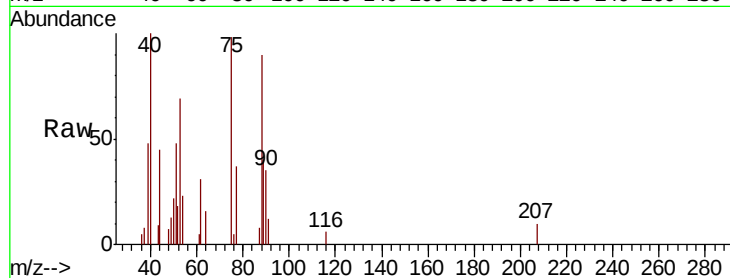
Tot Ion: 75 Resp: 5044

Ion Ratio Lower Upper

75 100

53 99.9 75.8 113.8

89 50.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 4.993 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065920.D

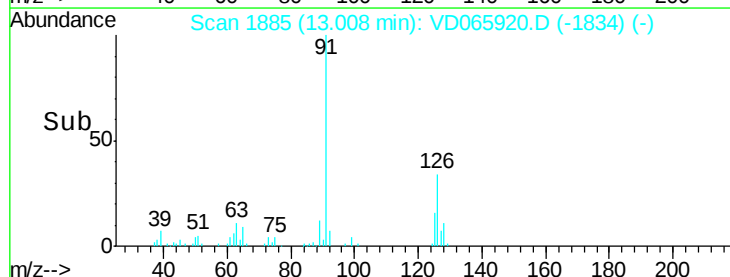
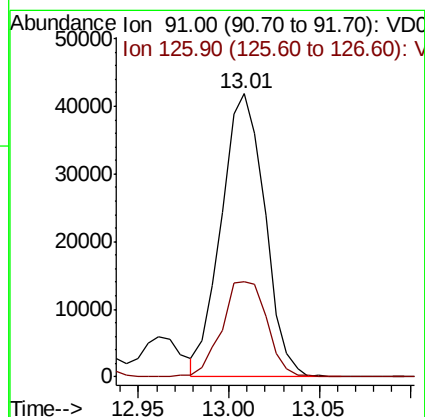
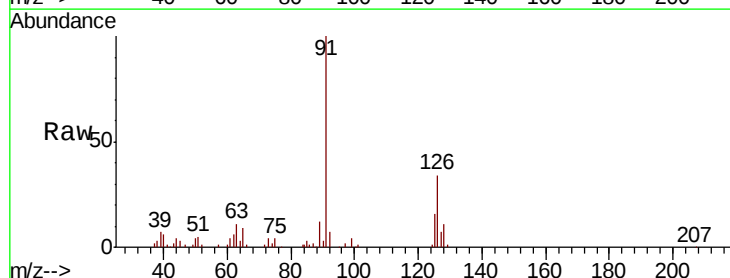
Acq: 07 Jul 2020 13:40

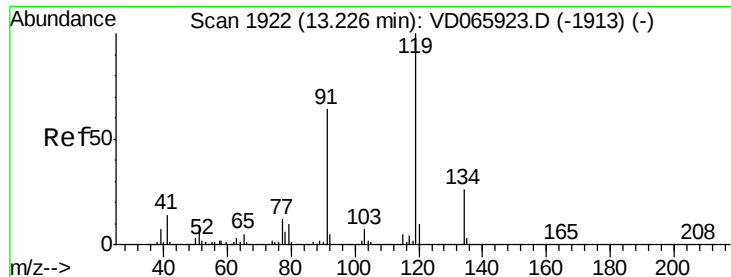
Tgt Ion: 91 Resp: 69801

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

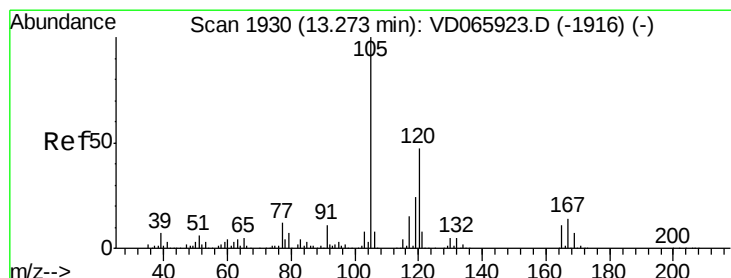
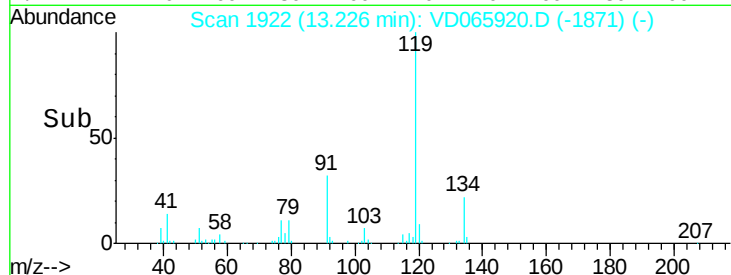
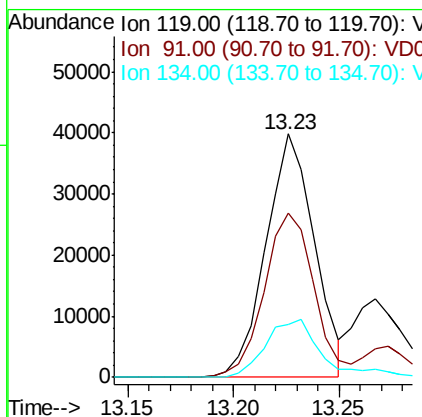
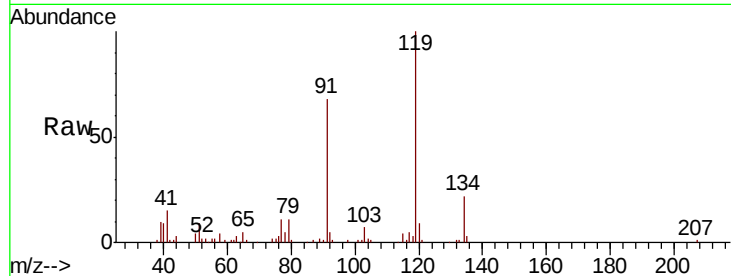




#83
tert-Butylbenzene
Concen: 4.548 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

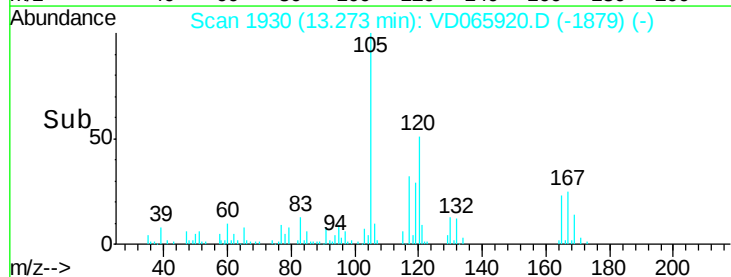
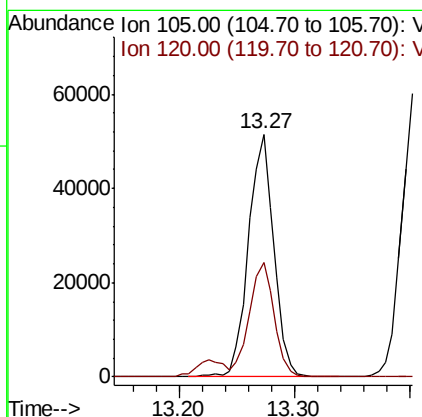
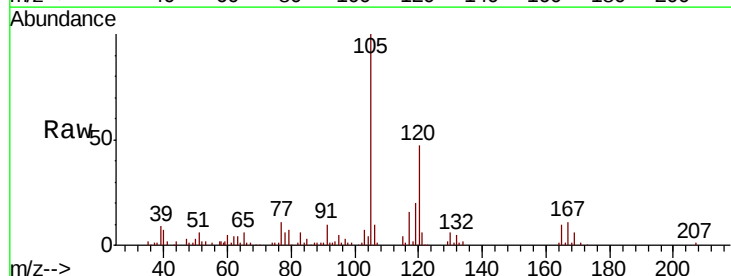
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

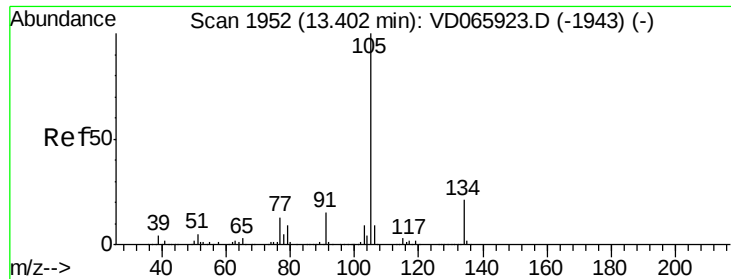
Tot Ion:119 Resp: 63493
Ion Ratio Lower Upper
119 100
91 69.6 32.4 97.2
134 27.7 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 4.837 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:105 Resp: 78895
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 4.769 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

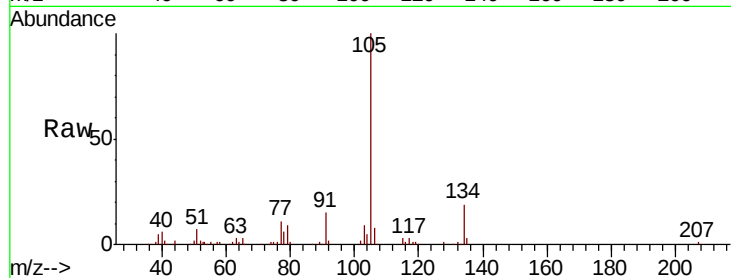
VSTDIC005

Tot Ion:105 Resp: 94364

Ion Ratio Lower Upper

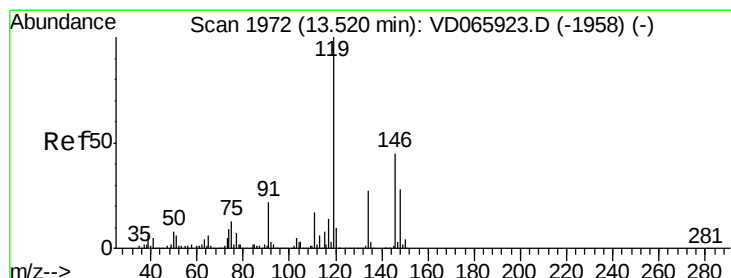
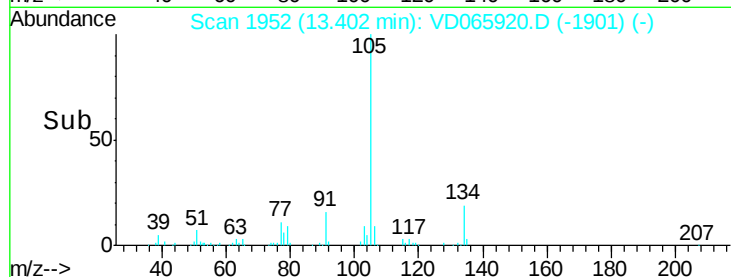
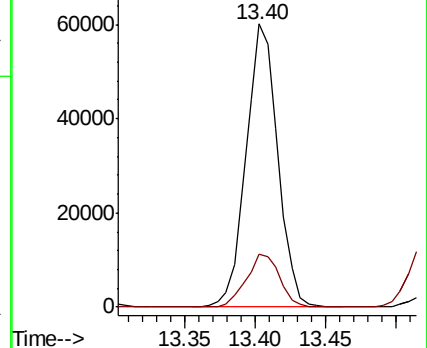
105 100

134 19.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.723 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065920.D

Acq: 07 Jul 2020 13:40

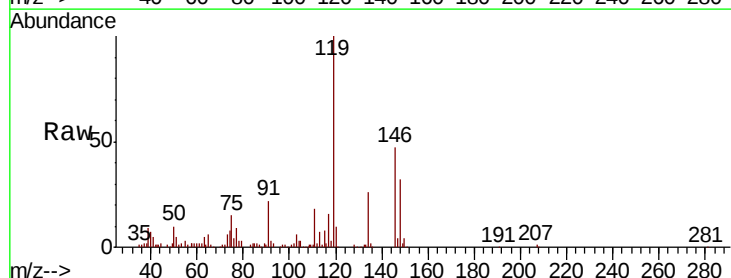
Tgt Ion:119 Resp: 85475

Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.1

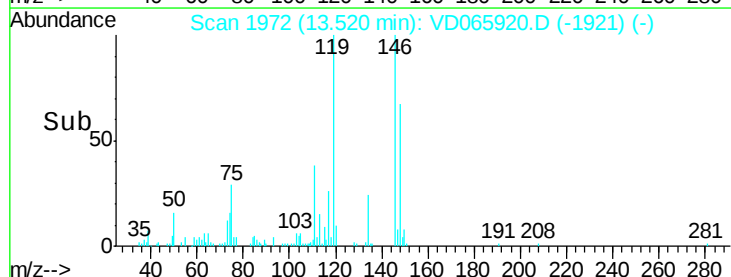
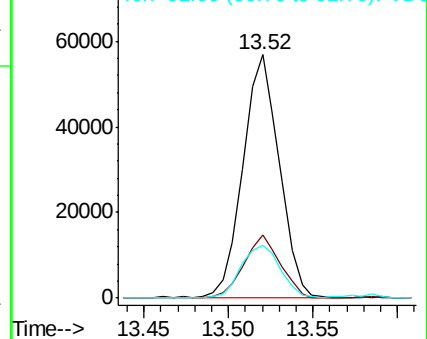
91 23.6 11.3 33.8

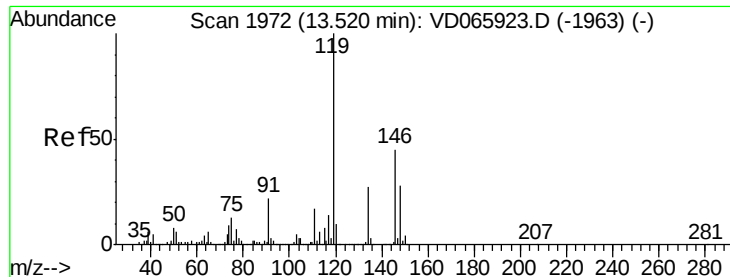


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

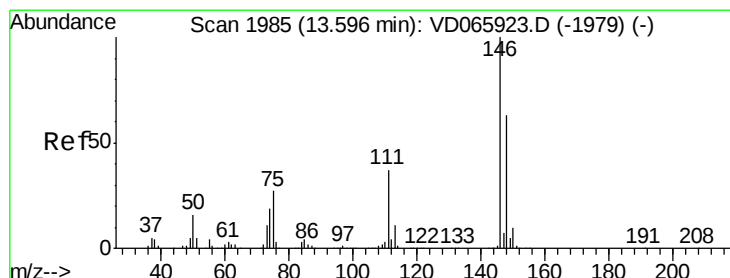
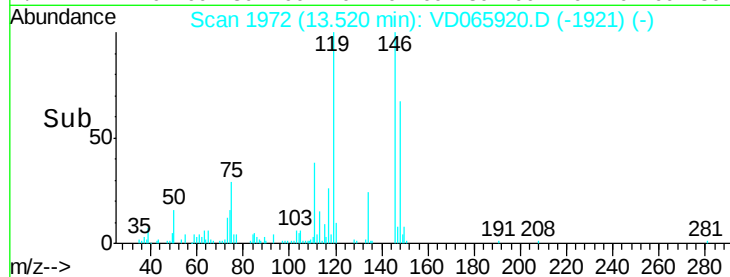
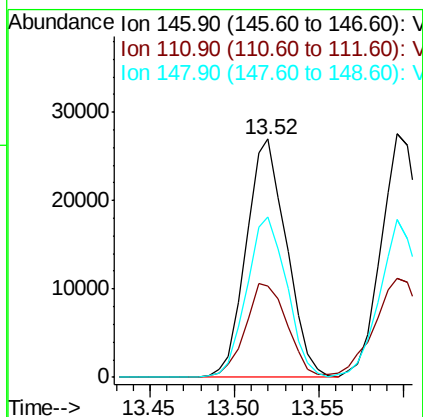
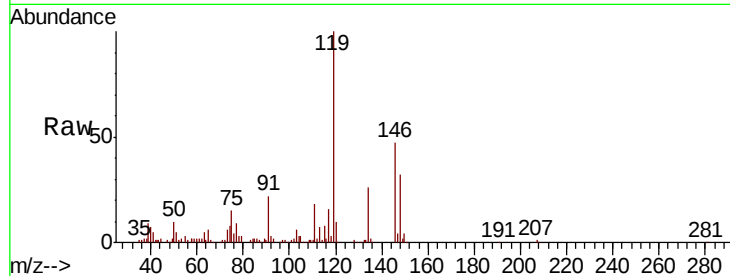




#87
 1,3-Dichlorobenzene
 Concen: 4.915 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

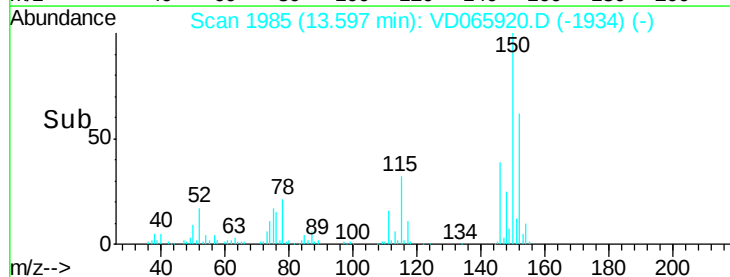
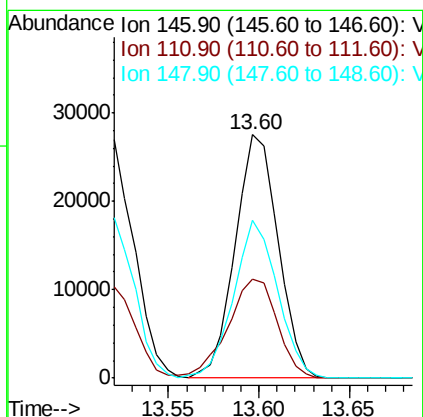
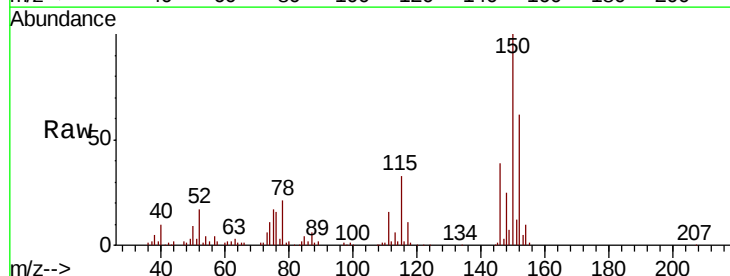
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

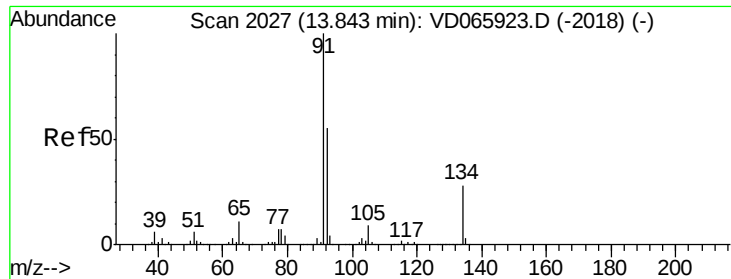
Tot Ion:146 Resp: 44693
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.3 57.8
 148 66.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 5.017 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion:146 Resp: 45514
 Ion Ratio Lower Upper
 146 100
 111 46.4 18.9 56.7
 148 66.0 32.1 96.3

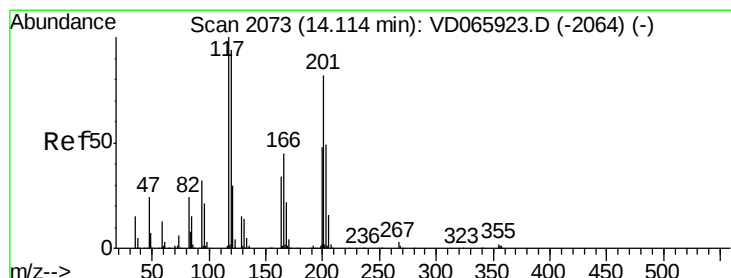
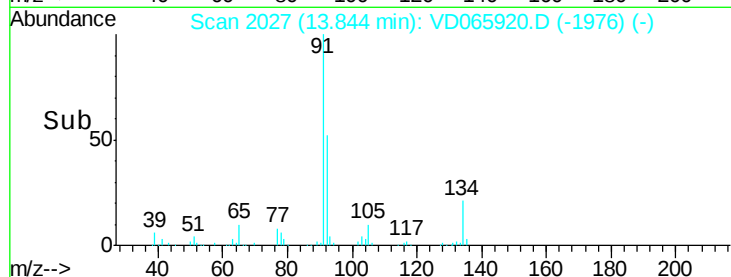
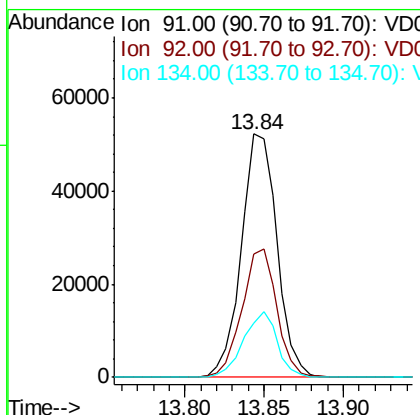
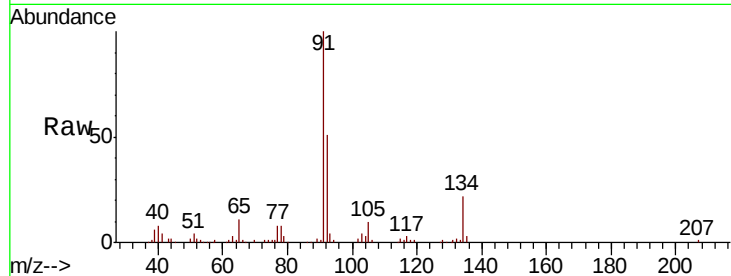




#89
n-Butylbenzene
Concen: 4.798 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

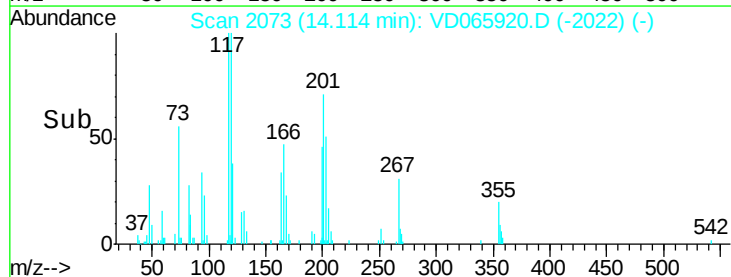
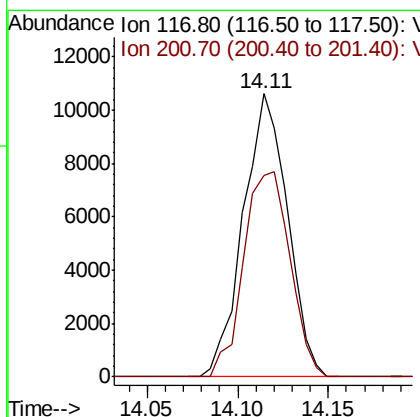
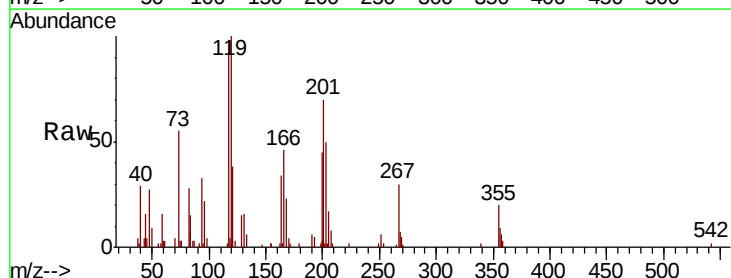
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

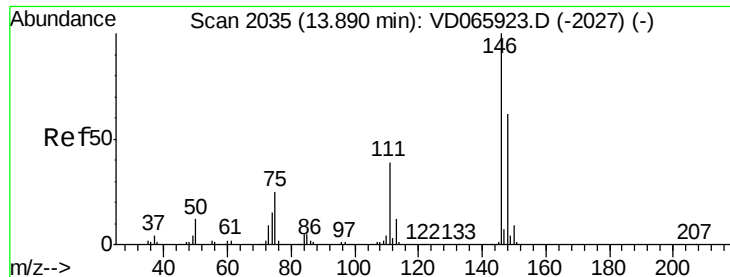
Tot Ion: 91 Resp: 81532
Ion Ratio Lower Upper
91 100
92 51.5 27.2 81.6
134 25.5 13.8 41.3



#90
Hexachloroethane
Concen: 4.939 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion: 117 Resp: 18024
Ion Ratio Lower Upper
117 100
201 76.0 40.0 120.0

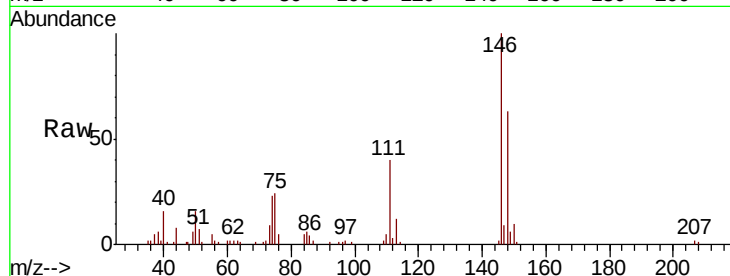




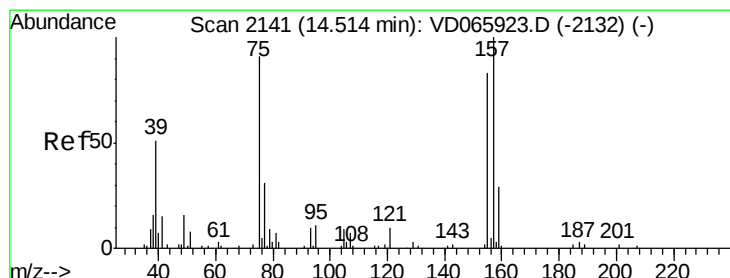
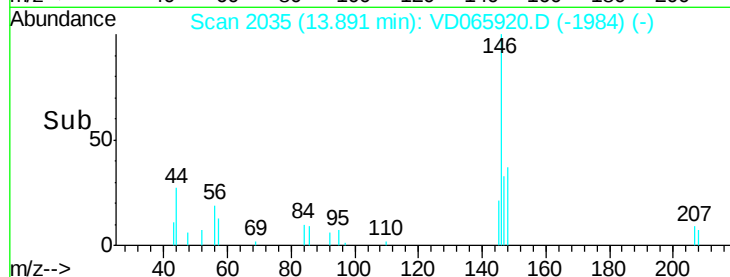
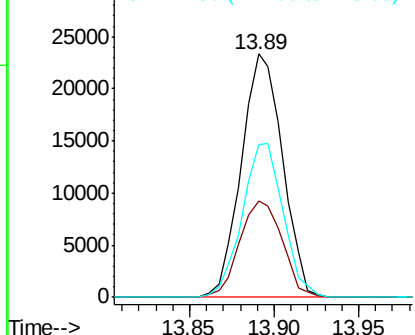
#91
 1,2-Dichlorobenzene
 Concen: 4.994 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 39690
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.7 59.0
 148 62.9 32.5 97.5

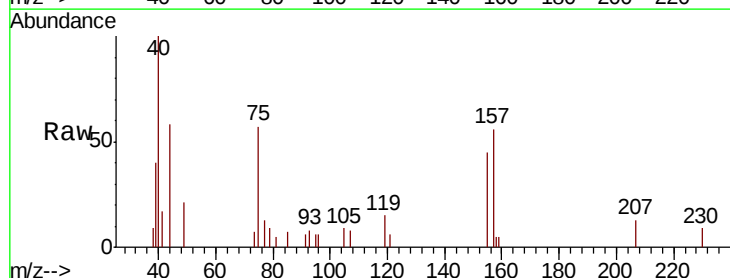


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

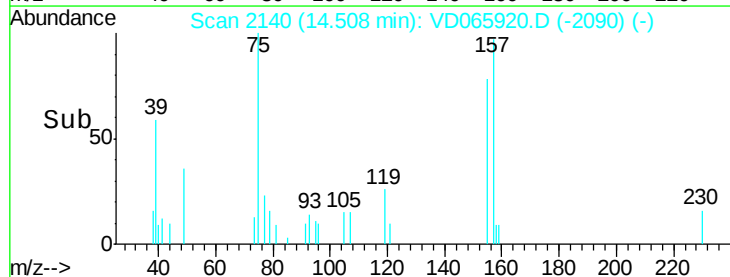
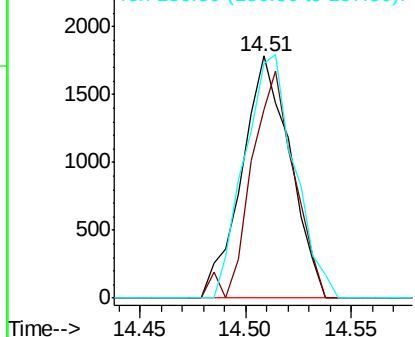


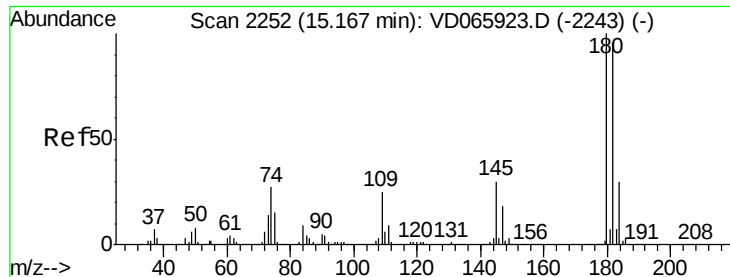
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.097 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion: 75 Resp: 2835
 Ion Ratio Lower Upper
 75 100
 155 82.8 45.3 135.8
 157 103.8 56.9 170.6



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

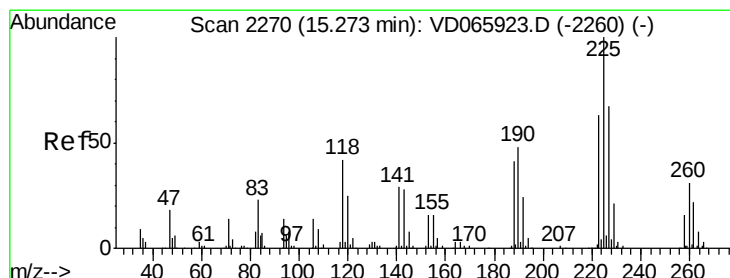
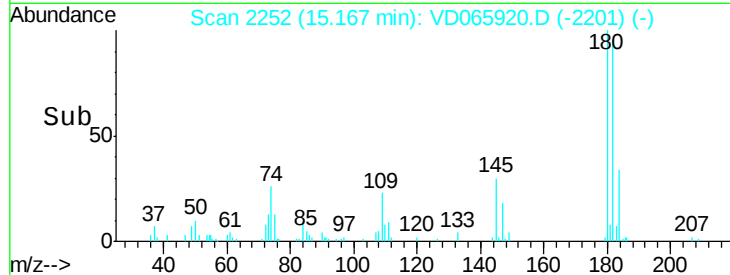
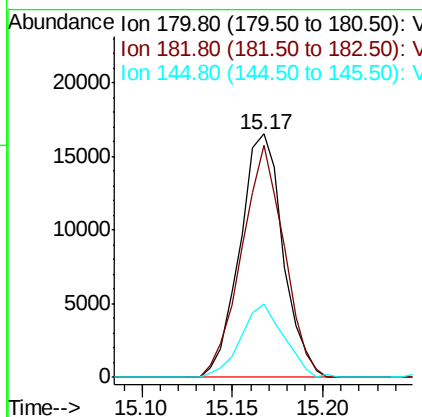
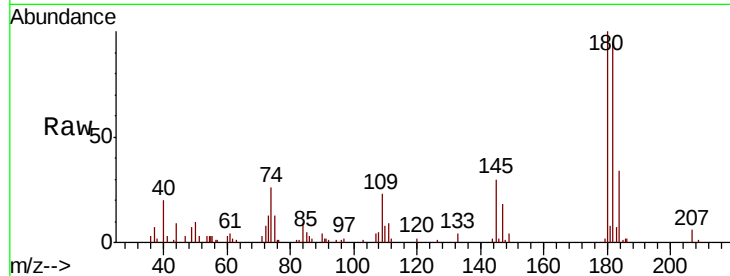




#93
 1,2,4-Trichlorobenzene
 Concen: 4.829 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

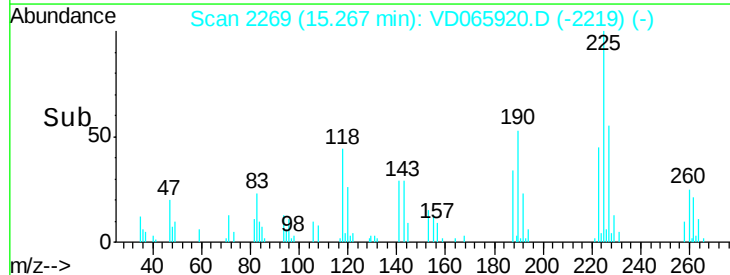
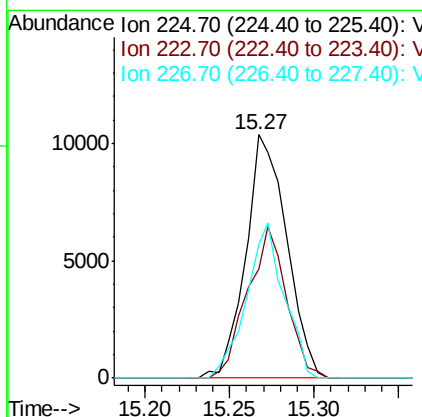
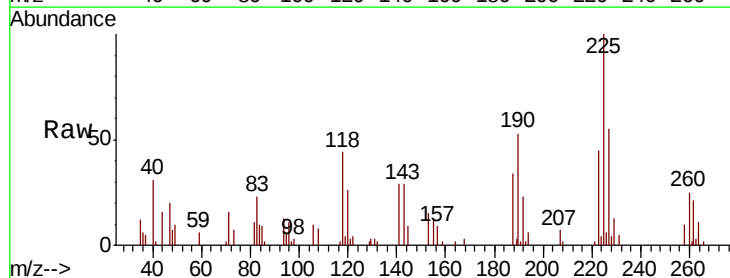
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

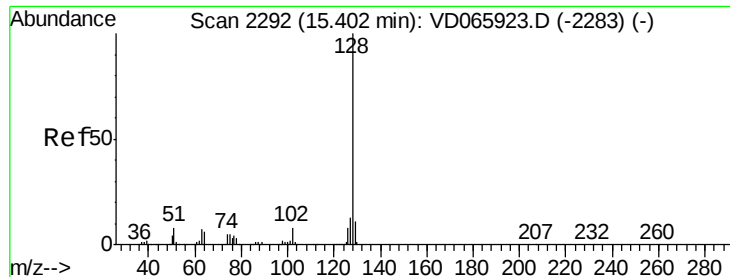
Tot Ion:180 Resp: 27349
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.5 145.6
 145 30.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 5.101 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD065920.D
 Acq: 07 Jul 2020 13:40

Tgt Ion:225 Resp: 17477
 Ion Ratio Lower Upper
 225 100
 223 59.3 31.1 93.2
 227 59.0 31.6 95.0

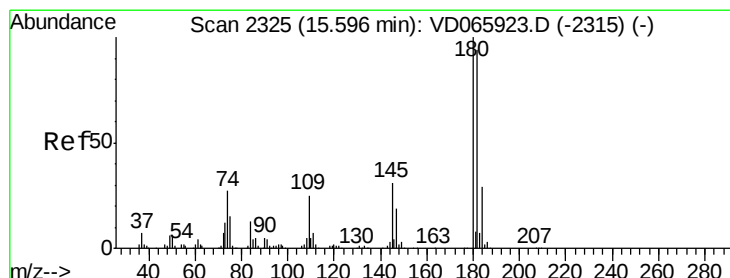
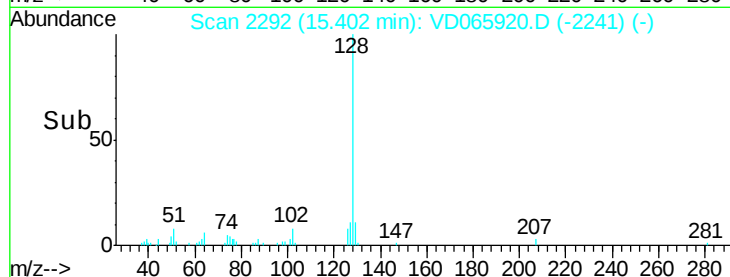
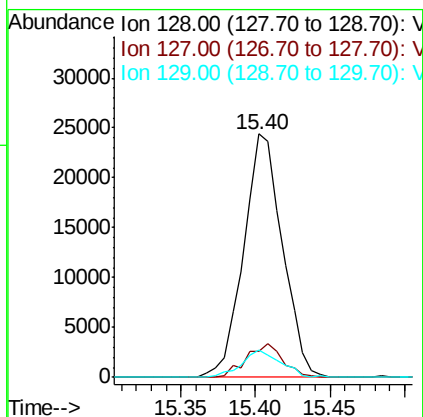
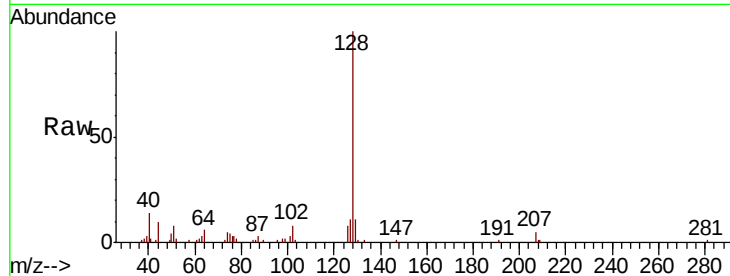




#95
Naphthalene
Concen: 4.624 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 43924
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.745 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD065920.D
Acq: 07 Jul 2020 13:40

Tgt Ion:180 Resp: 23179
Ion Ratio Lower Upper
180 100
182 97.0 47.6 142.8
145 33.2 16.1 48.2

