

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065212.D
 Acq On : 18 Feb 2020 10:34
 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: Feb 19 03:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	464928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	21310	5.09	ug/l	0.00
Spiked Amount			Recovery	=	10.18%	
35) Dibromofluoromethane	7.91	113	21329	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
50) Toluene-d8	10.34	98	76573	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.64	95	24972	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	20618	5.287	ug/l	90
3) Chloromethane	2.21	50	27432	5.527	ug/l	100
4) Vinyl Chloride	2.35	62	26791	5.308	ug/l	98
5) Bromomethane	2.77	94	18316	6.002	ug/l	95
6) Chloroethane	2.93	64	16959	5.505	ug/l #	85
7) Trichlorofluoromethane	3.27	101	38984	5.395	ug/l	96
8) Diethyl Ether	3.71	74	11407	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	24926	5.462	ug/l	100
10) Methyl Iodide	4.29	142	18843	3.977	ug/l	98
11) Tert butyl alcohol	5.25	59	6332	25.335	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	22182	5.146	ug/l	92
13) Acrolein	3.91	56	10782	28.978	ug/l	97
14) Allyl chloride	4.71	41	34324	4.903	ug/l	97
15) Acrylonitrile	5.43	53	23191	24.015	ug/l	97
16) Acetone	4.17	43	26227	25.652	ug/l	89
17) Carbon Disulfide	4.40	76	74945	5.186	ug/l	95
18) Methyl Acetate	4.73	43	12884	5.603	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	41423	4.608	ug/l	96
20) Methylene Chloride	4.97	84	31754	6.118	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	24427	4.985	ug/l	84
22) Diisopropyl ether	6.37	45	60848	4.509	ug/l #	93
23) Vinyl Acetate	6.31	43	148318	19.937	ug/l	100
24) 1,1-Dichloroethane	6.26	63	43720	5.223	ug/l	97
25) 2-Butanone	7.23	43	29428	22.749	ug/l	94
26) 2,2-Dichloropropane	7.21	77	38700	5.329	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	25806	4.972	ug/l	99
28) Bromochloromethane	7.55	49	17894	5.762	ug/l	96
29) Tetrahydrofuran	7.58	42	16421	21.665	ug/l	95
30) Chloroform	7.71	83	44525	5.280	ug/l	94
31) Cyclohexane	7.98	56	46098	5.605	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	39411	5.224	ug/l	99
36) 1,1-Dichloropropene	8.11	75	34932	5.025	ug/l	97
37) Ethyl Acetate	7.30	43	14703	5.059	ug/l #	96
38) Carbon Tetrachloride	8.09	117	36577	5.169	ug/l	97

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 Data File : VD065212.D
 Acq On : 18 Feb 2020 10:34
 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: Feb 19 03:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	36100	4.417	ug/l	89
40) Benzene	8.35	78	97093	4.948	ug/l	98
41) Methacrylonitrile	7.54	41	7283	4.340	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	27467	5.092	ug/l	99
43) Isopropyl Acetate	8.46	43	23822	4.508	ug/l	96
44) Trichloroethene	9.11	130	27832	5.117	ug/l	82
45) 1,2-Dichloropropane	9.40	63	24686	5.060	ug/l	89
46) Dibromomethane	9.48	93	12391	4.936	ug/l	97
47) Bromodichloromethane	9.67	83	34422	5.203	ug/l	95
48) Methyl methacrylate	9.46	41	10351	4.238	ug/l	93
49) 1,4-Dioxane	9.46	88	2614	88.783	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	56170	20.927	ug/l	100
52) Toluene	10.41	92	53445	4.400	ug/l	90
53) t-1,3-Dichloropropene	10.63	75	27042	4.410	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	34769	4.695	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	18132	5.132	ug/l	98
56) Ethyl methacrylate	10.67	69	16590	4.068	ug/l	95
57) 1,3-Dichloropropane	10.96	76	29460	4.899	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	41551	32.316	ug/l	97
59) 2-Hexanone	10.99	43	37808	19.677	ug/l	95
60) Dibromochloromethane	11.14	129	22054	4.877	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16360	4.890	ug/l	99
64) Tetrachloroethene	10.88	164	23659	5.072	ug/l	94
65) Chlorobenzene	11.67	112	65389	4.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	24897	5.055	ug/l	98
67) Ethyl Benzene	11.75	91	104991	4.542	ug/l	95
68) m/p-Xylenes	11.86	106	77923	8.811	ug/l	98
69) o-Xylene	12.18	106	34020	4.342	ug/l	95
70) Styrene	12.20	104	59709	4.292	ug/l	97
71) Bromoform	12.37	173	13549	4.958	ug/l #	95
73) Isopropylbenzene	12.48	105	86838	4.149	ug/l	97
74) N-amyl acetate	12.30	43	18648	4.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	19036	5.040	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	23769	5.246	ug/l #	100
77) Bromobenzene	12.77	156	24454	4.705	ug/l	98
78) n-propylbenzene	12.83	91	111149	4.419	ug/l	99
79) 2-Chlorotoluene	12.91	91	64492	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	73126	4.242	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	5540	4.447	ug/l	97
82) 4-Chlorotoluene	13.01	91	69476	4.645	ug/l	100
83) tert-Butylbenzene	13.23	119	61132	4.231	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	73522	4.261	ug/l	98
85) sec-Butylbenzene	13.41	105	92521	4.444	ug/l	98
86) p-Isopropyltoluene	13.53	119	80421	4.224	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48942	4.871	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	49559	4.998	ug/l	92
89) n-Butylbenzene	13.85	91	75301	4.292	ug/l	100
90) Hexachloroethane	14.12	117	19490	5.042	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	42530	4.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2943	5.056	ug/l	93

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Data File : VD065212.D
Acq On : 18 Feb 2020 10:34
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: Feb 19 03:00:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:58:47 2020
Response via : Initial Calibration

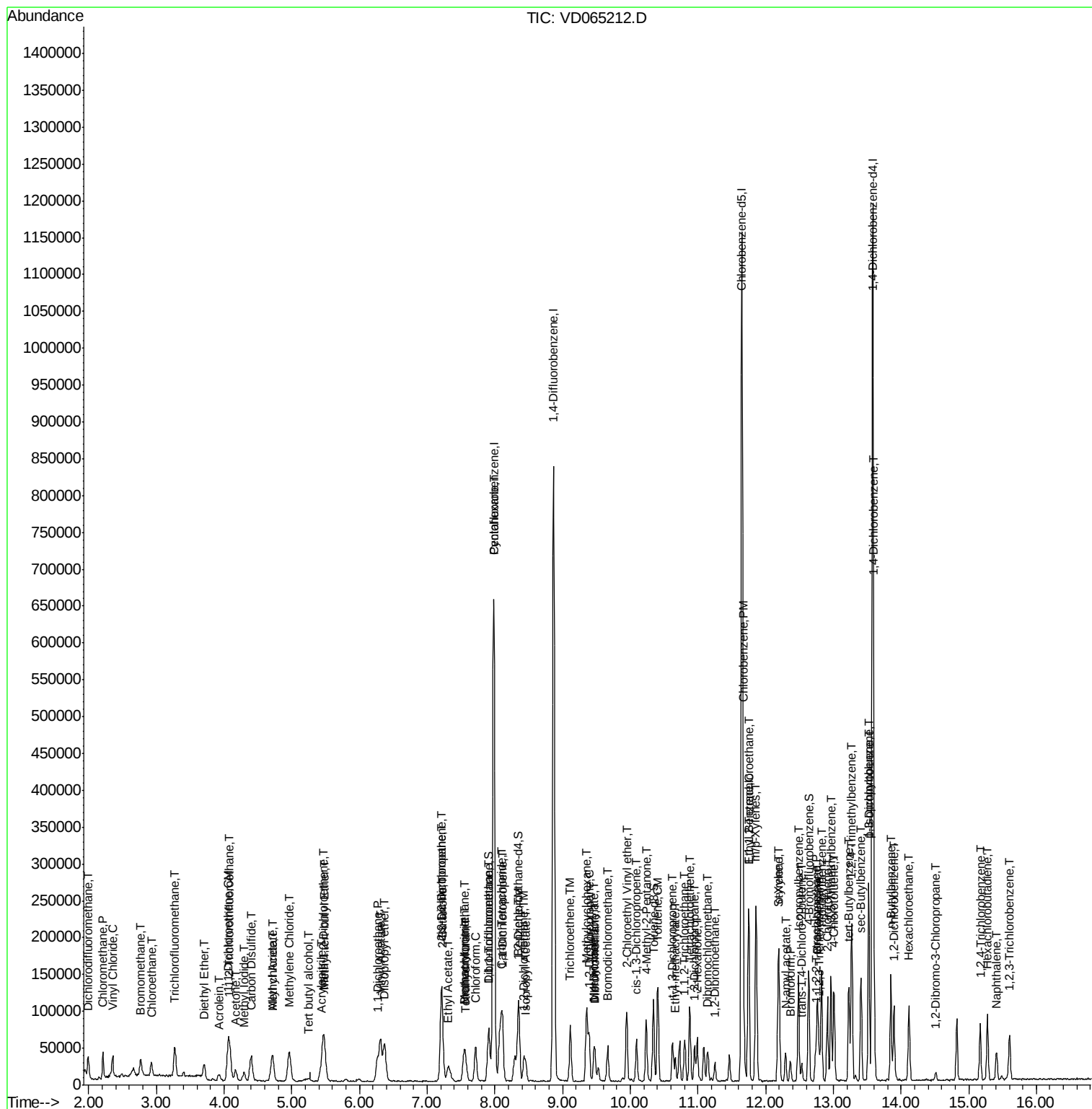
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	24740	4.384	ug/l	94
94) Hexachlorobutadiene	15.28	225	17126	4.731	ug/l	94
95) Naphthalene	15.41	128	34906	3.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	21928	4.449	ug/l	98

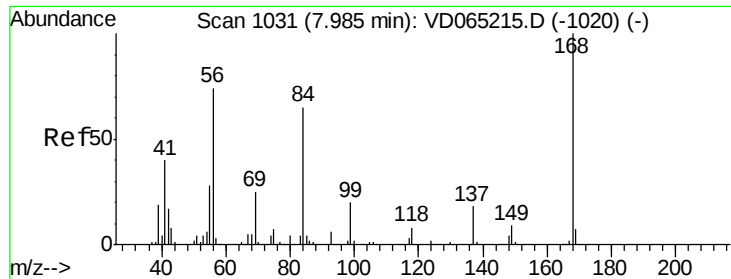
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065212.D
Acq On : 18 Feb 2020 10:34
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: Feb 19 03:00:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:58:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

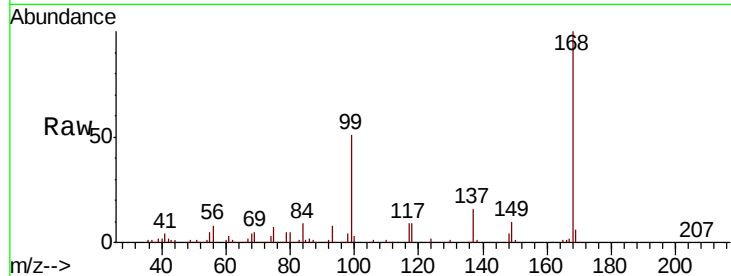
VSTDIC005

Tot Ion:168 Resp: 464928

Ion Ratio Lower Upper

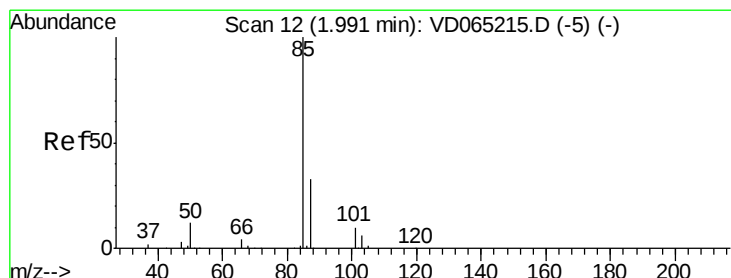
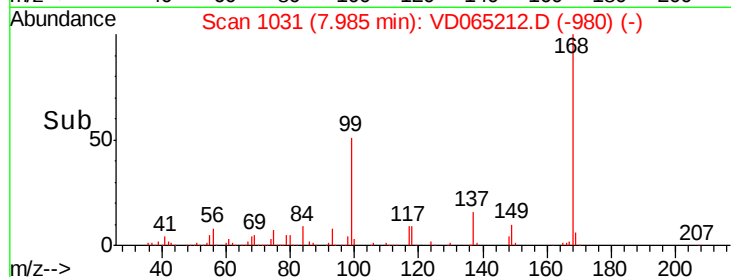
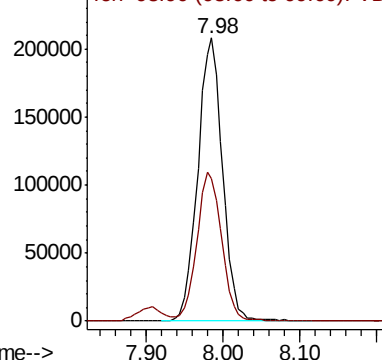
168 100

99 50.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.287 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065212.D

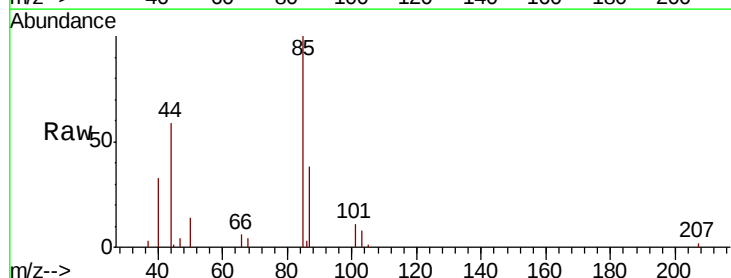
Acq: 18 Feb 2020 10:34

Tgt Ion: 85 Resp: 20618

Ion Ratio Lower Upper

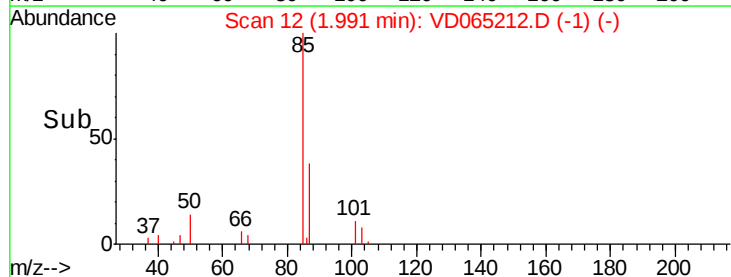
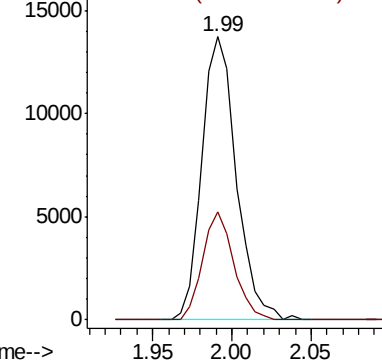
85 100

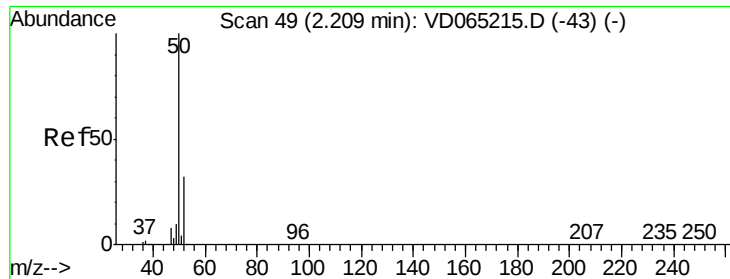
87 38.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

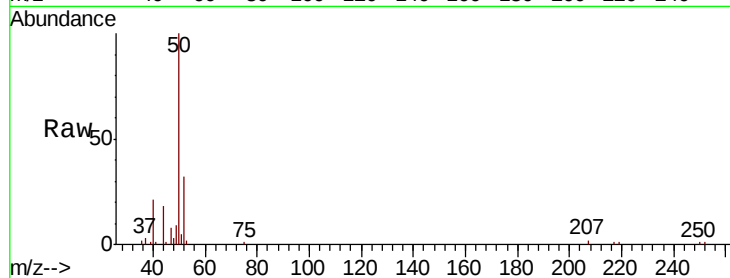
VSTDIC005

Tot Ion: 50 Resp: 27432

Ion Ratio Lower Upper

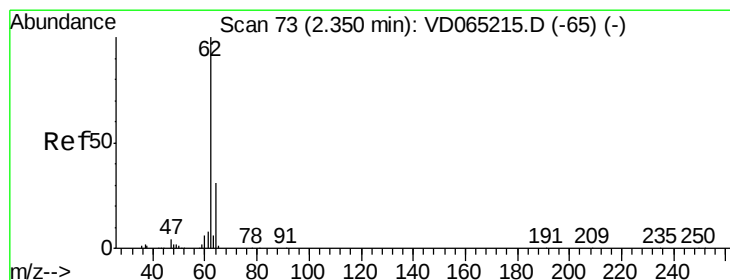
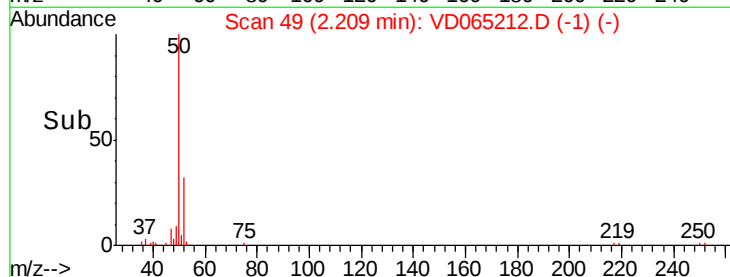
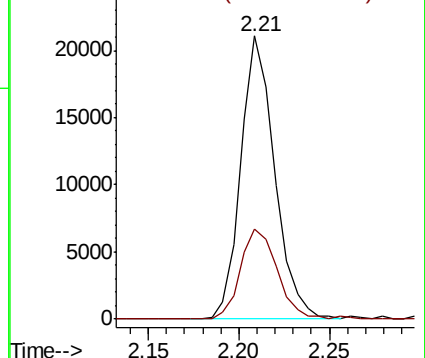
50 100

52 32.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.308 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065212.D

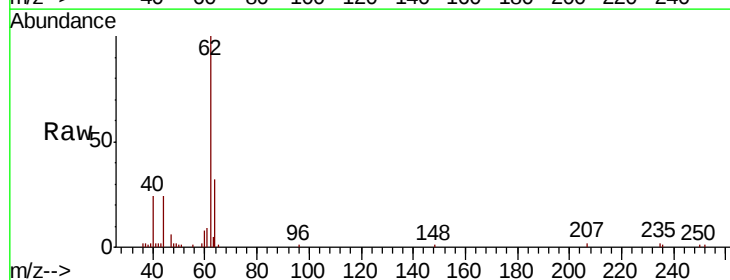
Acq: 18 Feb 2020 10:34

Tgt Ion: 62 Resp: 26791

Ion Ratio Lower Upper

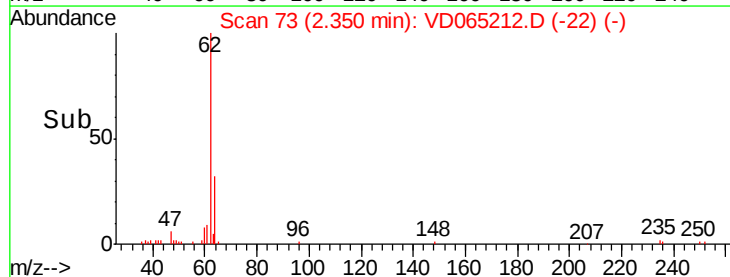
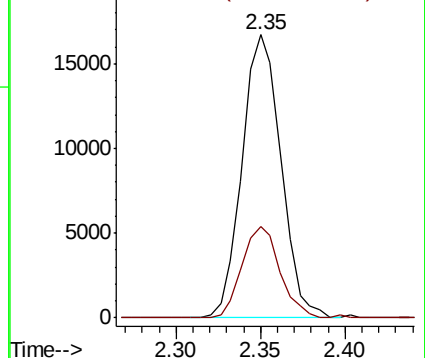
62 100

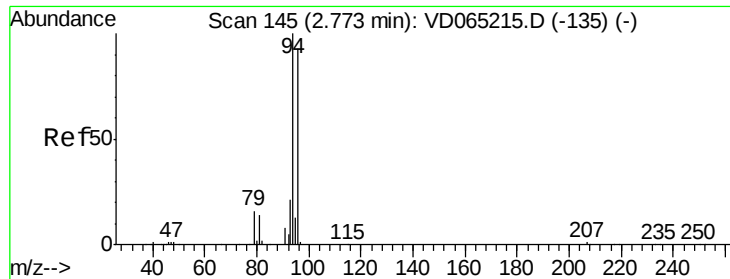
64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.002 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

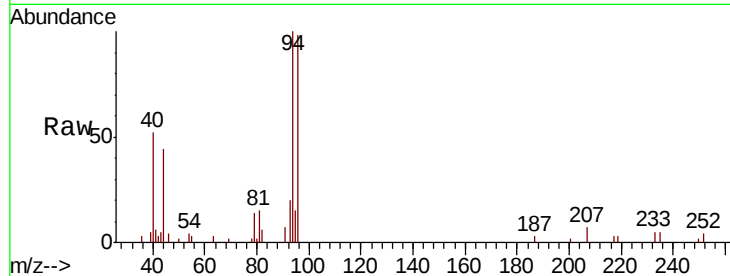
VSTDIC005

Tot Ion: 94 Resp: 18316

Ion Ratio Lower Upper

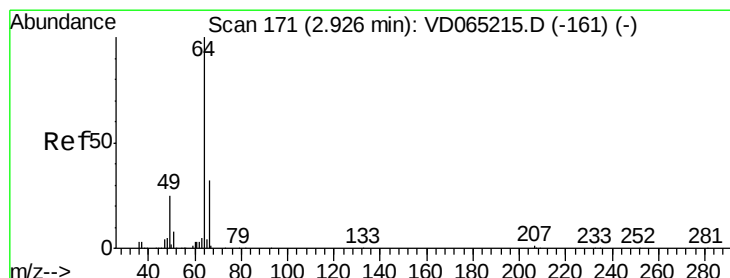
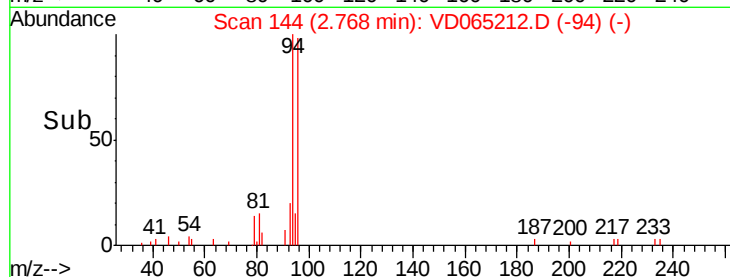
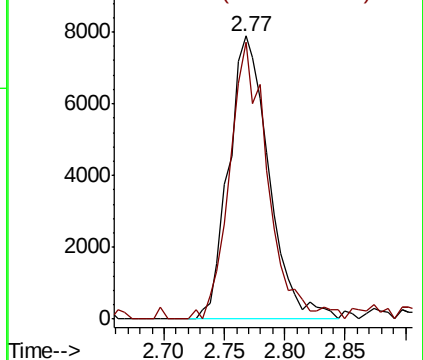
94 100

96 98.0 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.505 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065212.D

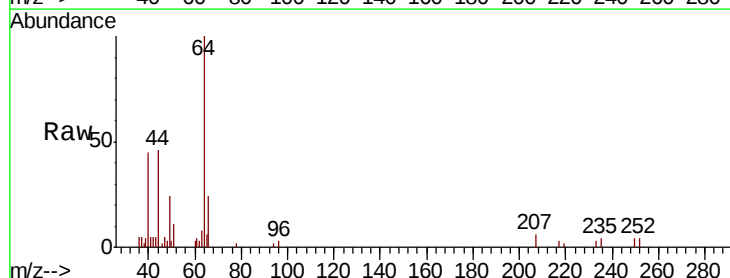
Acq: 18 Feb 2020 10:34

Tgt Ion: 64 Resp: 16959

Ion Ratio Lower Upper

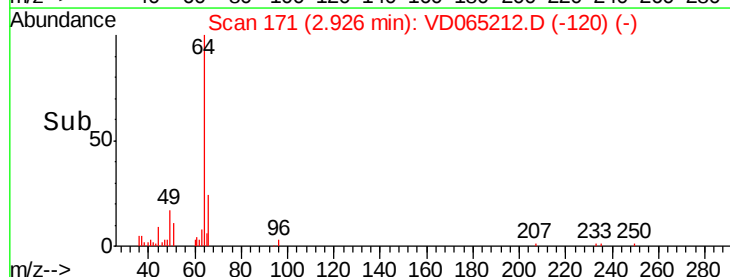
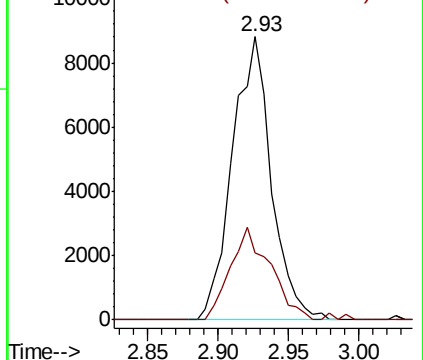
64 100

66 23.6 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



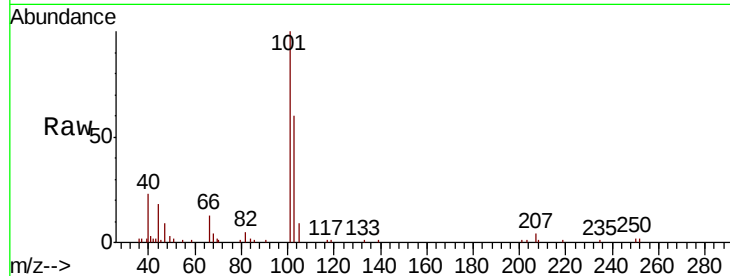


#7

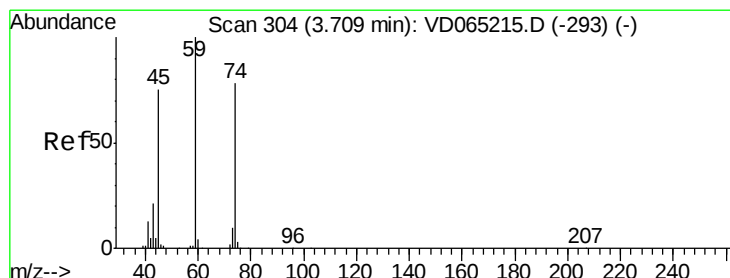
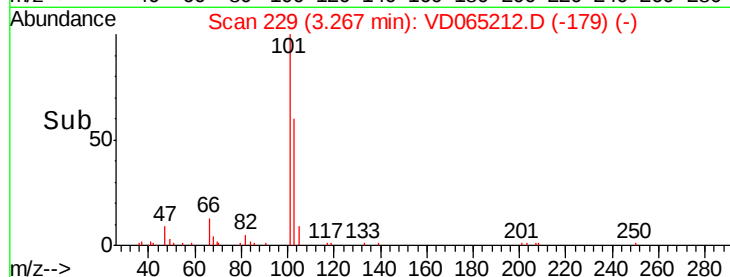
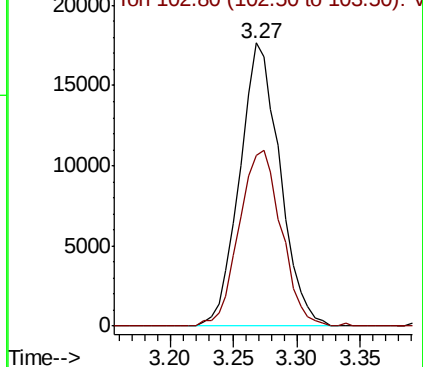
Trichlorofluoromethane
 Concen: 5.395 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 38984
 Ion Ratio Lower Upper
 101 100
 103 60.3 50.7 76.1



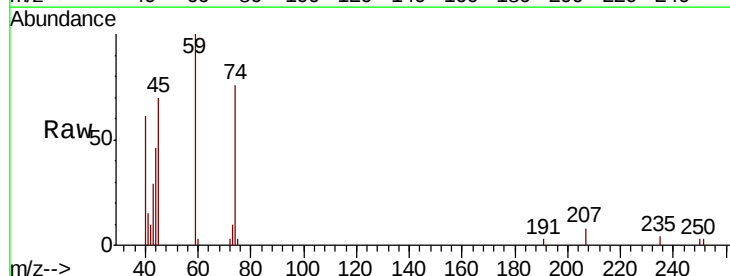
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



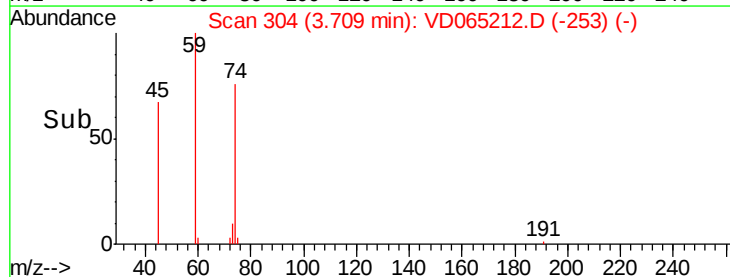
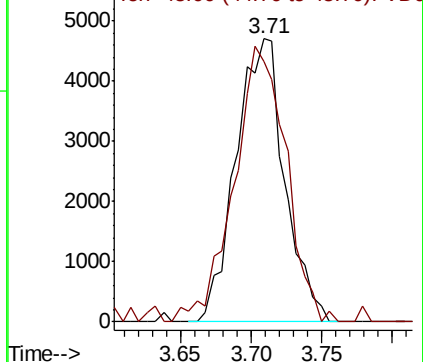
#8

Diethyl Ether
 Concen: 5.230 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion: 74 Resp: 11407
 Ion Ratio Lower Upper
 74 100
 45 103.6 50.0 149.8



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: 5.462 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

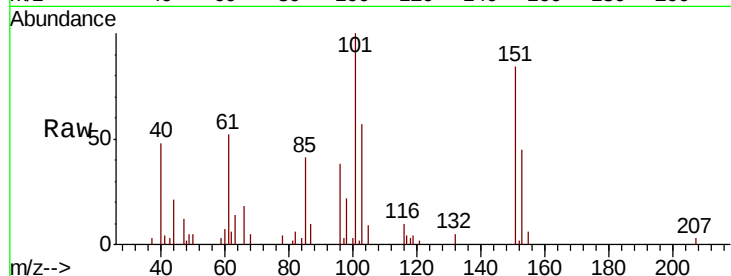
Tot Ion:101 Resp: 24926

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

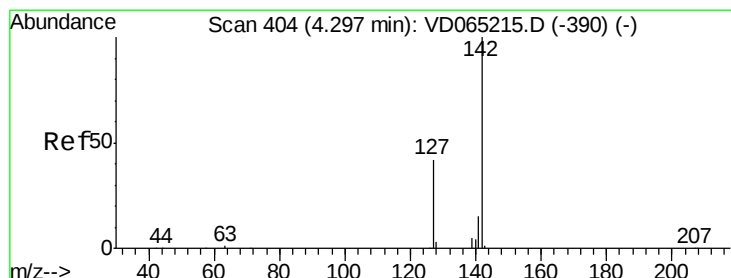
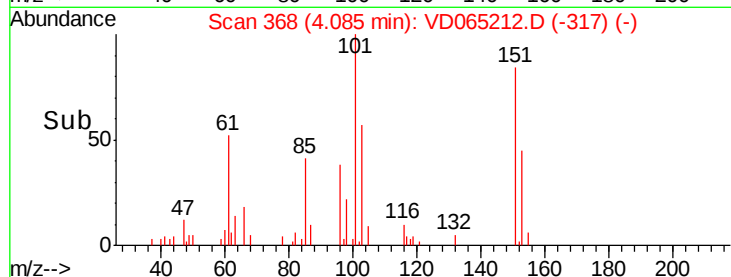
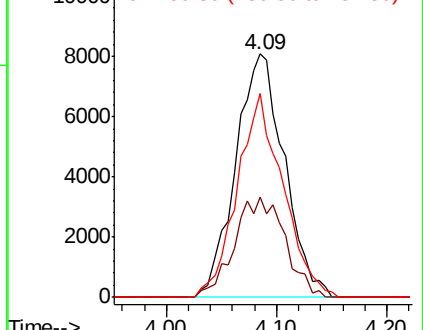
151 78.9 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.977 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

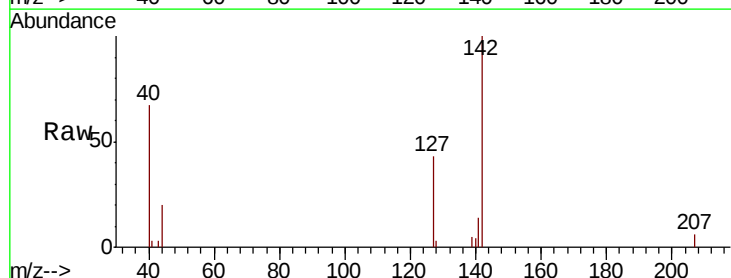
Tgt Ion:142 Resp: 18843

Ion Ratio Lower Upper

142 100

127 44.2 33.8 50.8

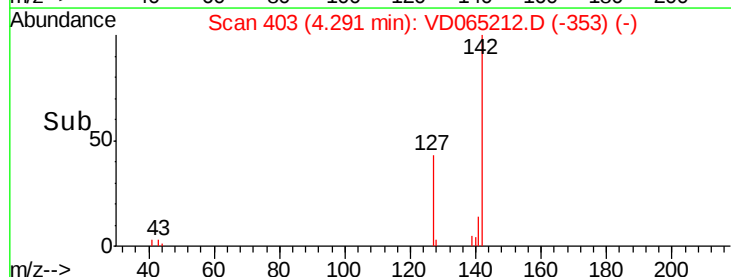
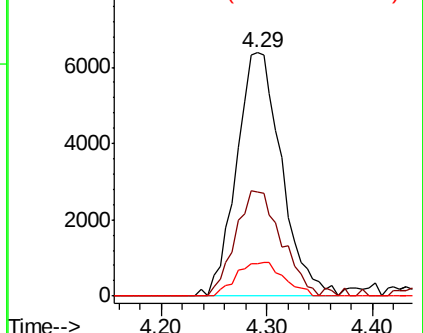
141 14.6 11.7 17.5

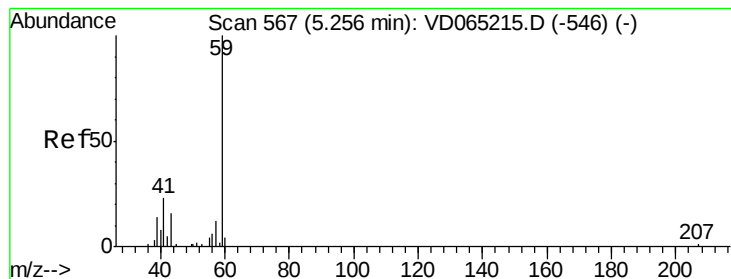


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.335 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

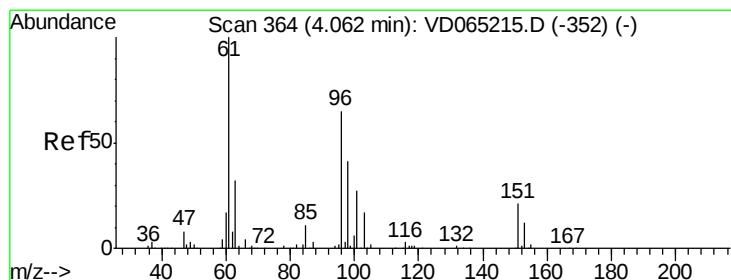
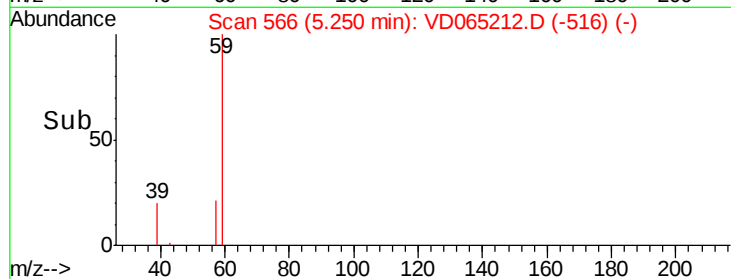
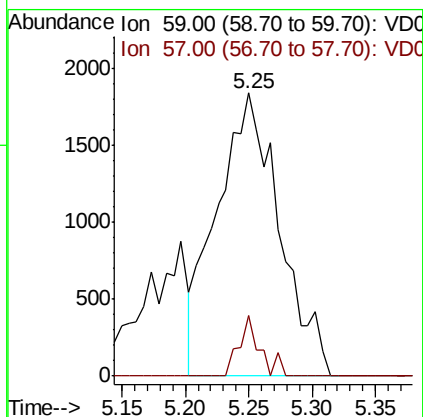
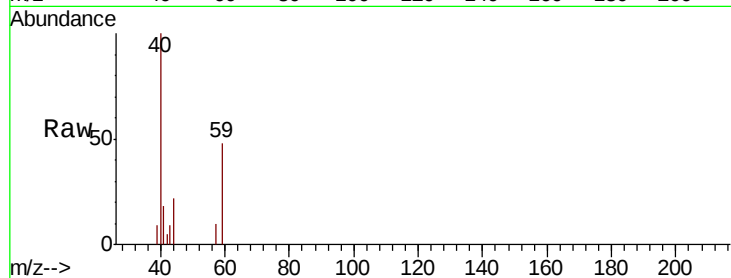
VSTDIC005

Tot Ion: 59 Resp: 6332

Ion Ratio Lower Upper

59 100

57 7.0 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 5.146 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

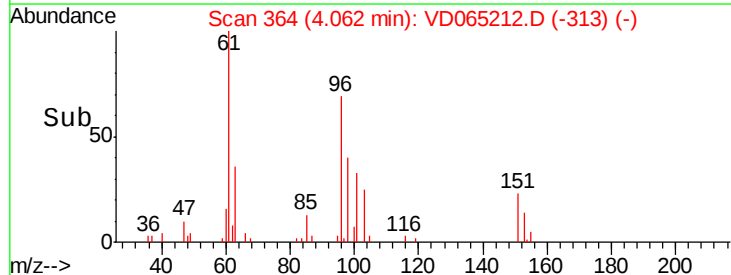
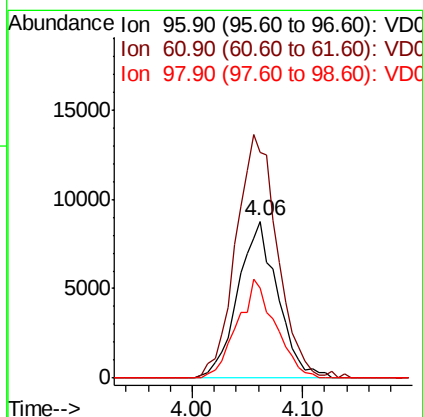
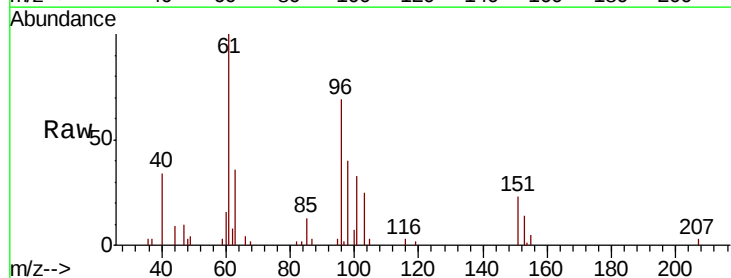
Tgt Ion: 96 Resp: 22182

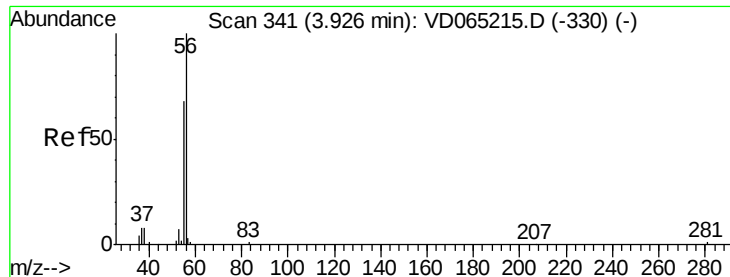
Ion Ratio Lower Upper

96 100

61 143.9 123.3 184.9

98 57.5 51.0 76.4





#13

Acrolein

Concen: 28.978 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

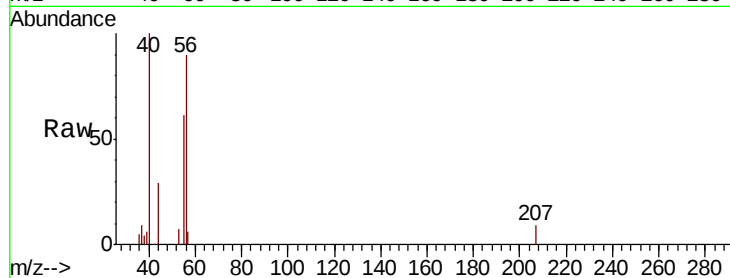
VSTDIC005

Tot Ion: 56 Resp: 10782

Ion Ratio Lower Upper

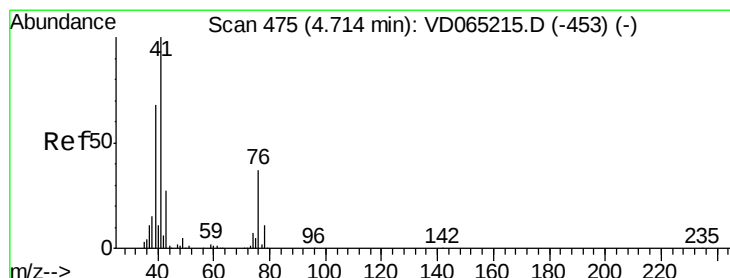
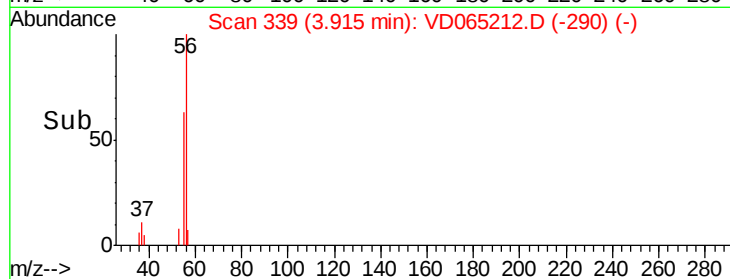
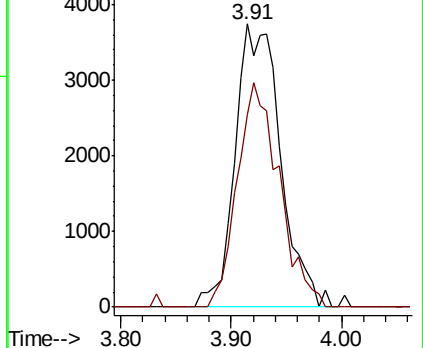
56 100

55 73.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.903 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

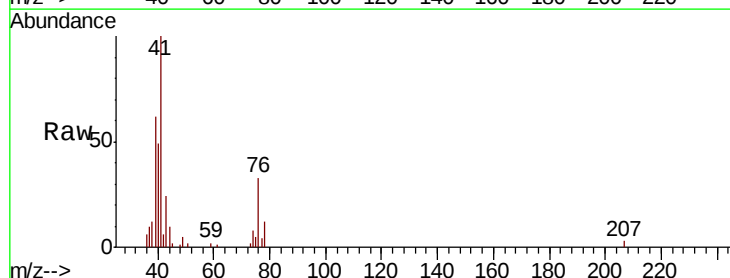
Tgt Ion: 41 Resp: 34324

Ion Ratio Lower Upper

41 100

39 69.7 53.8 80.6

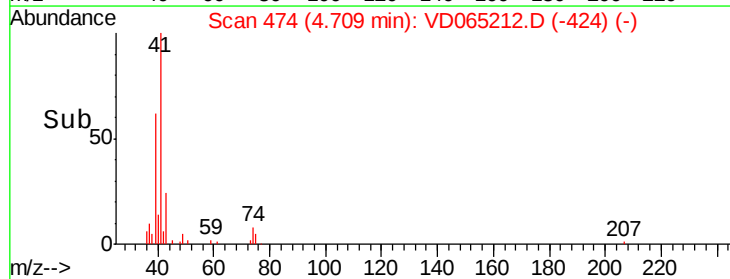
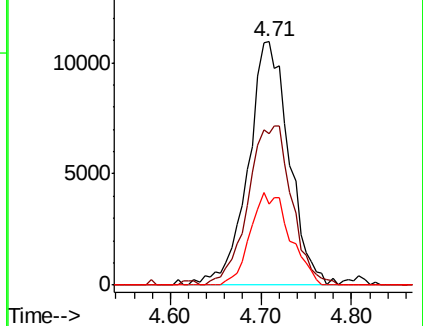
76 36.9 28.7 43.1

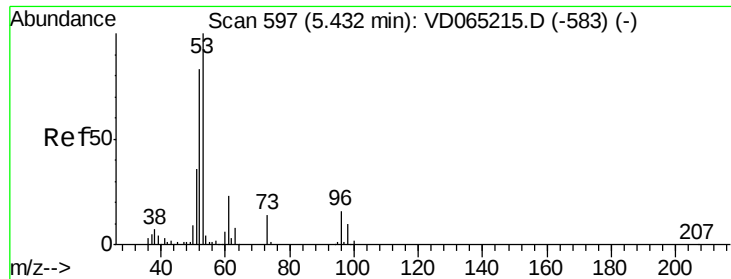


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.015 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

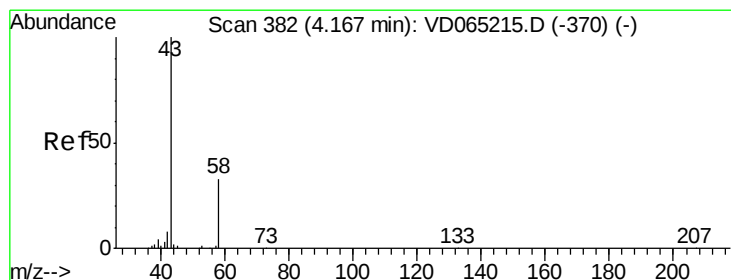
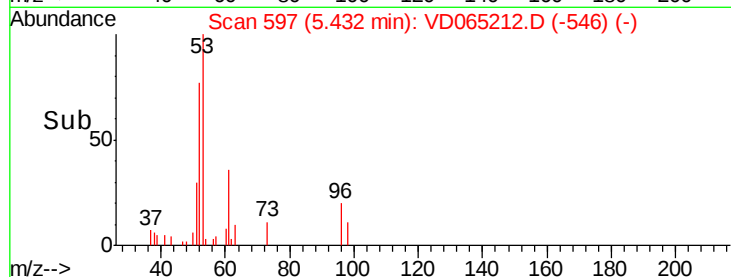
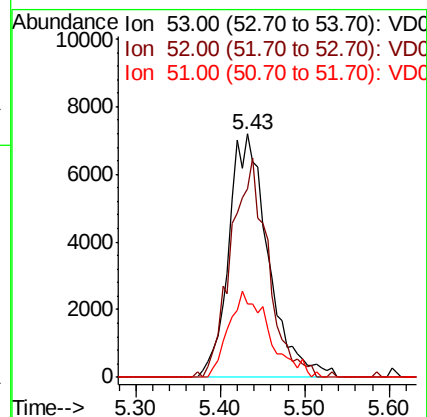
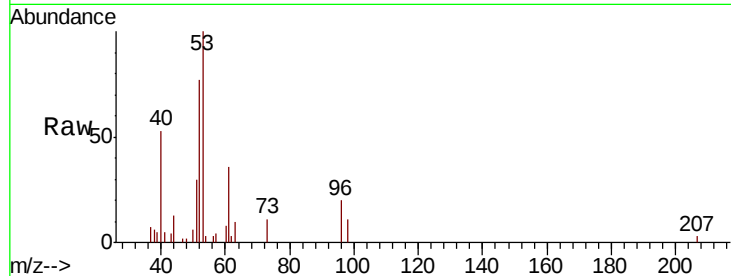
Tot Ion: 53 Resp: 23191

Ion Ratio Lower Upper

53 100

52 85.0 65.4 98.2

51 36.4 29.5 44.3



#16

Acetone

Concen: 25.652 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065212.D

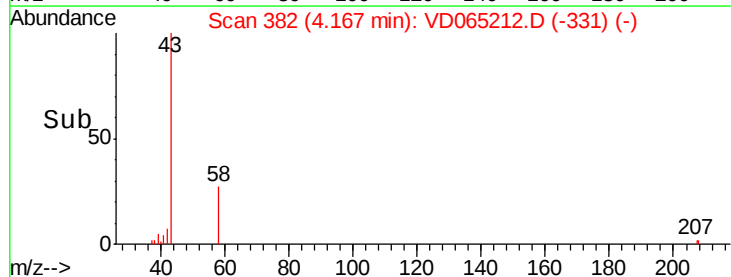
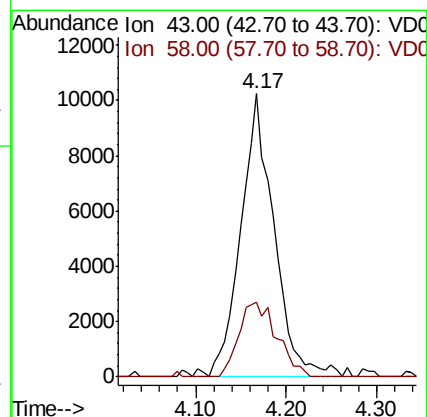
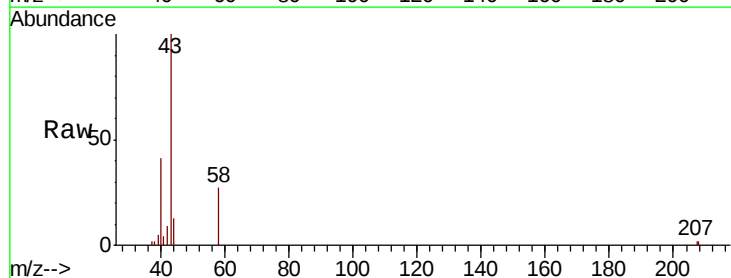
Acq: 18 Feb 2020 10:34

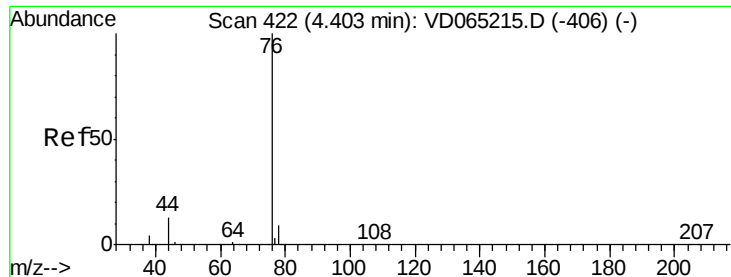
Tgt Ion: 43 Resp: 26227

Ion Ratio Lower Upper

43 100

58 26.5 26.2 39.2





#17

Carbon Disulfide

Concen: 5.186 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

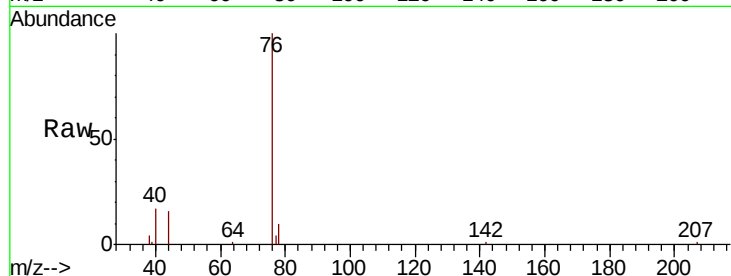
VSTDIC005

Tot Ion: 76 Resp: 74945

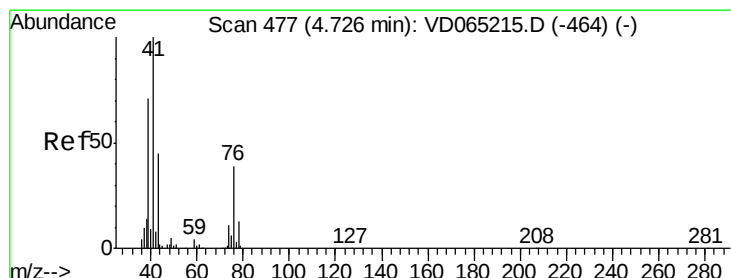
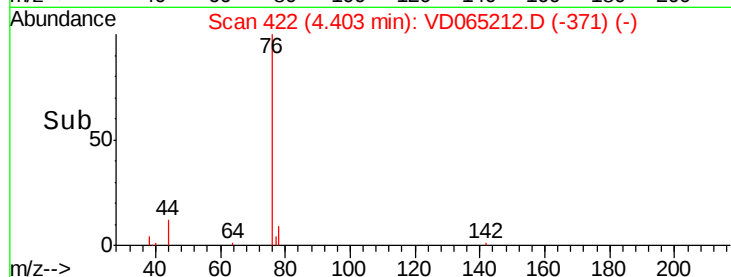
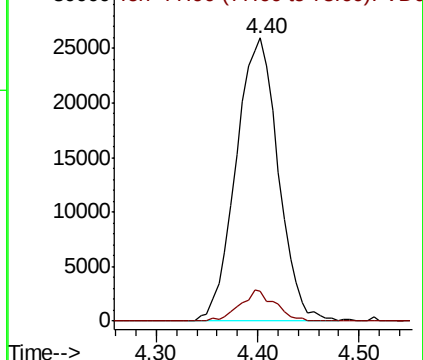
Ion Ratio Lower Upper

76 100

78 10.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.603 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065212.D

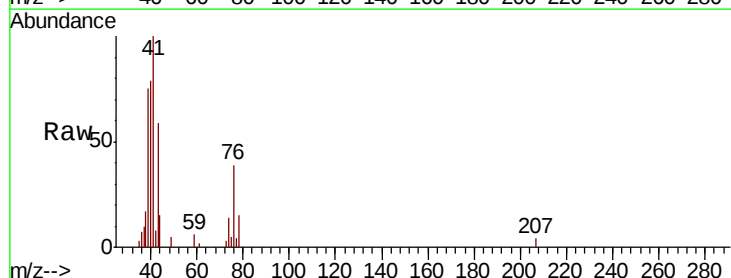
Acq: 18 Feb 2020 10:34

Tgt Ion: 43 Resp: 12884

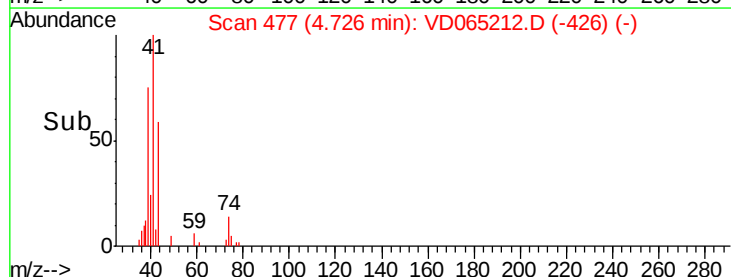
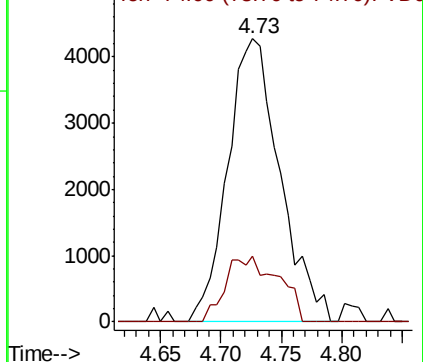
Ion Ratio Lower Upper

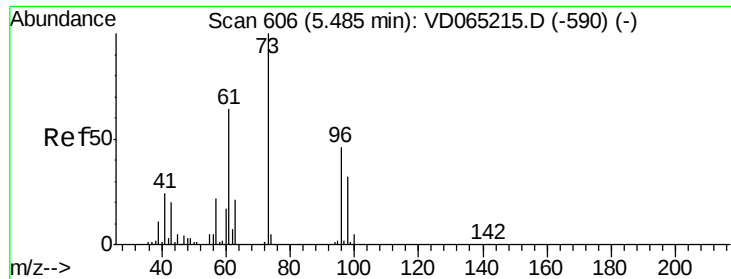
43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

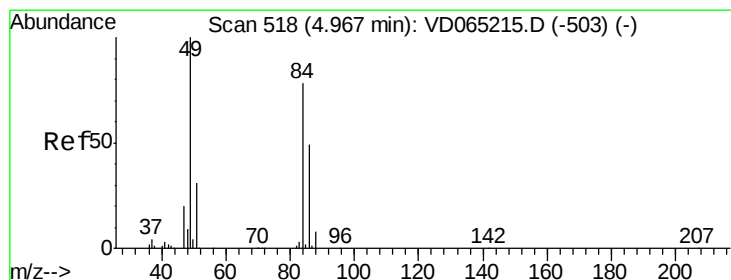
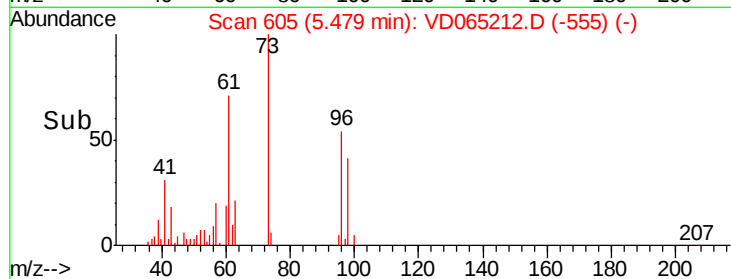
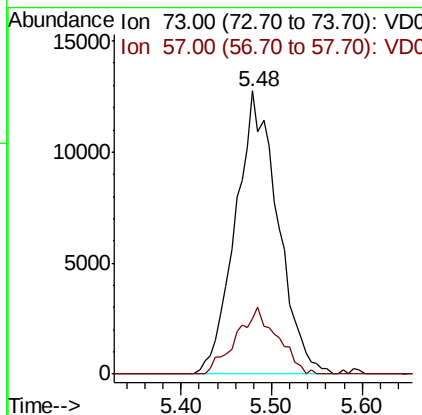
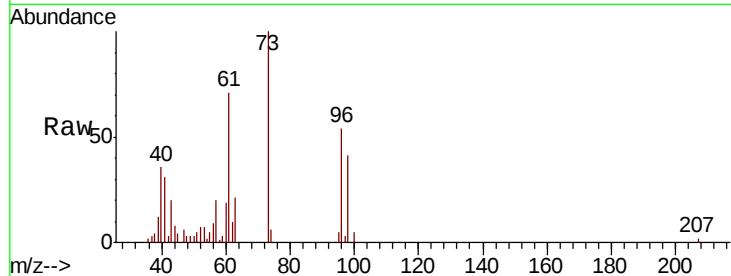




#19
Methyl tert-butyl Ether
Concen: 4.608 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

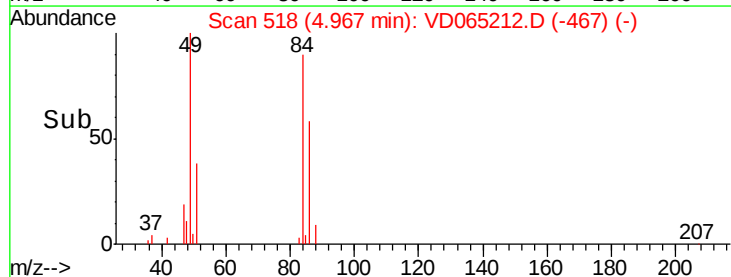
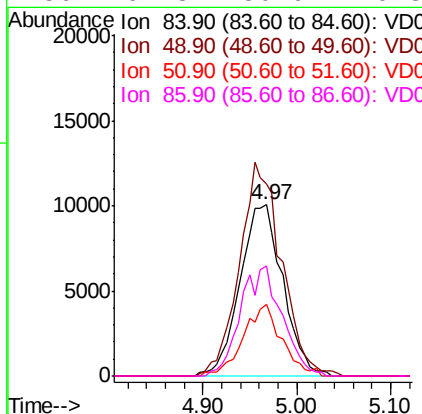
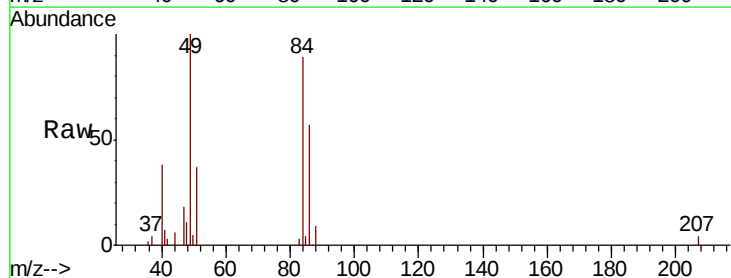
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

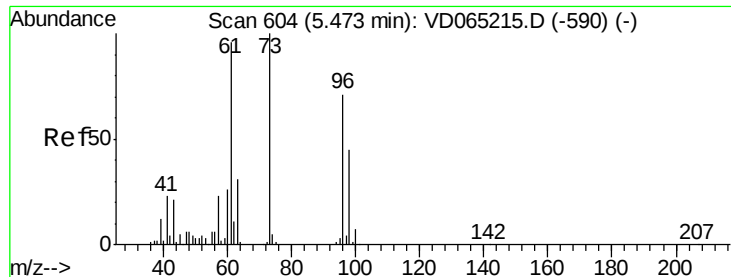
Tot Ion: 73 Resp: 41423
Ion Ratio Lower Upper
73 100
57 19.7 17.3 25.9



#20
Methylene Chloride
Concen: 6.118 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 84 Resp: 31754
Ion Ratio Lower Upper
84 100
49 112.4 103.1 154.7
51 41.6 31.7 47.5
86 64.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 4.985 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

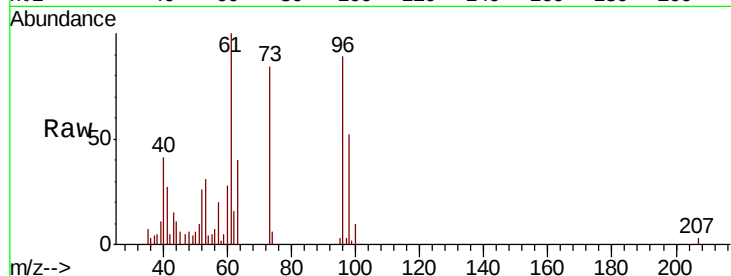
Tot Ion: 96 Resp: 24427

Ion Ratio Lower Upper

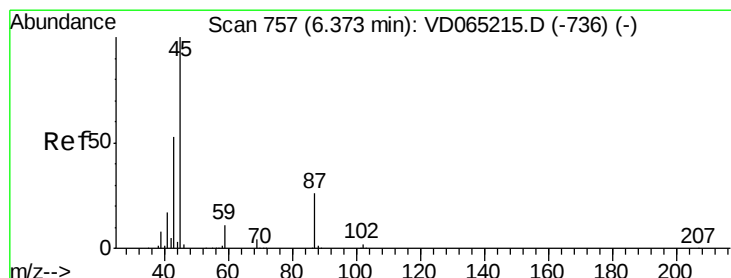
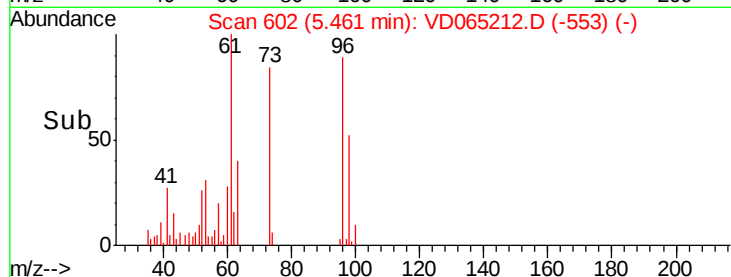
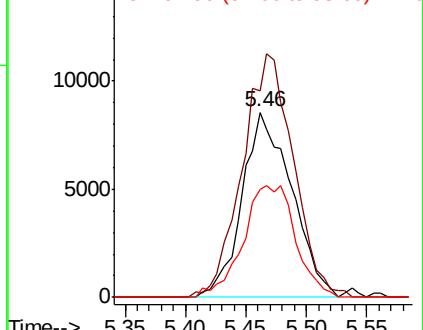
96 100

61 111.8 108.3 162.5

98 58.2 50.7 76.1



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: 4.509 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion: 45 Resp: 60848

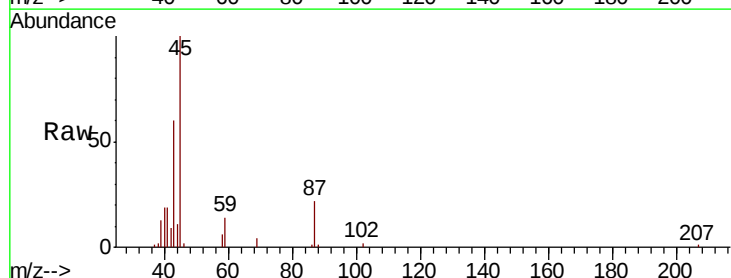
Ion Ratio Lower Upper

45 100

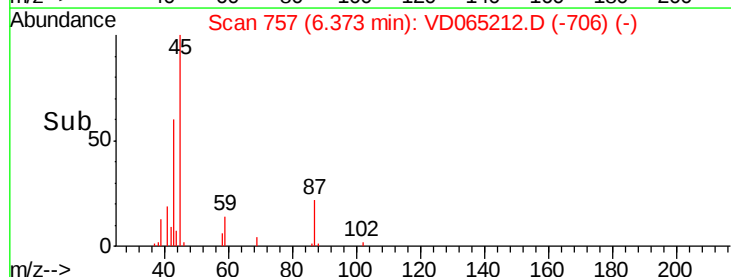
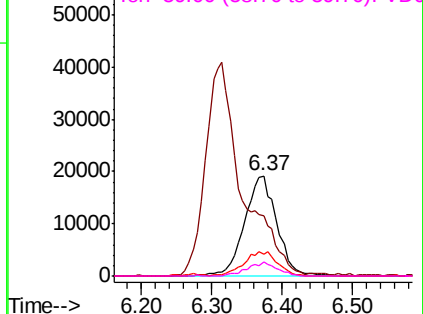
43 57.7 42.6 64.0

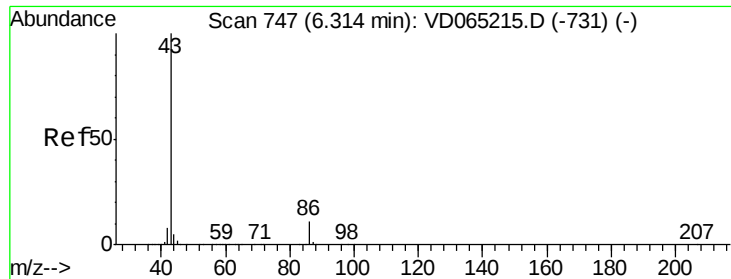
87 22.2 21.2 31.8

59 14.2 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: 19.937 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

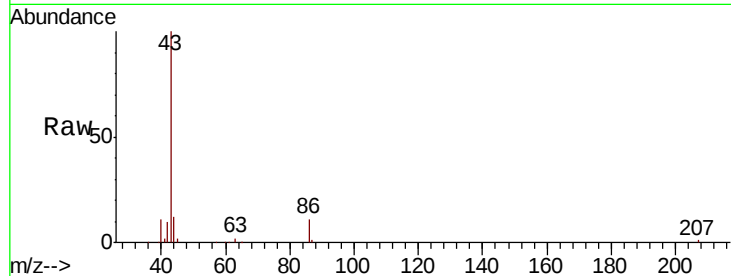
VSTDIC005

Tot Ion: 43 Resp: 148318

Ion Ratio Lower Upper

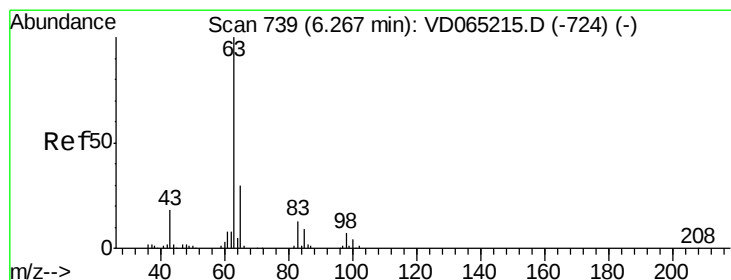
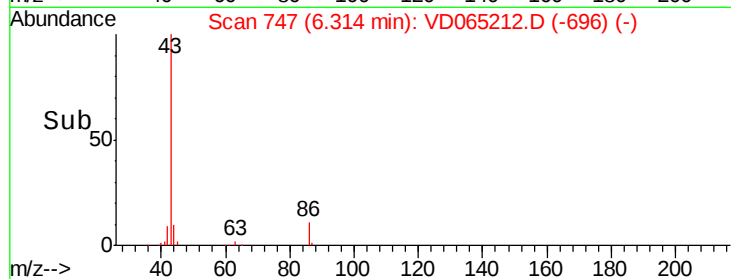
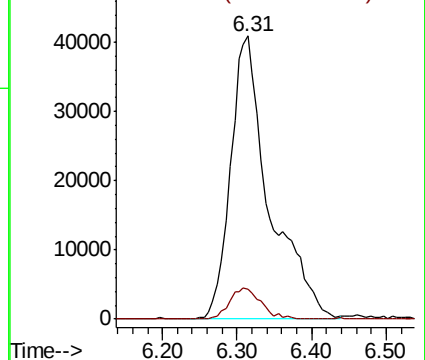
43 100

86 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.223 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

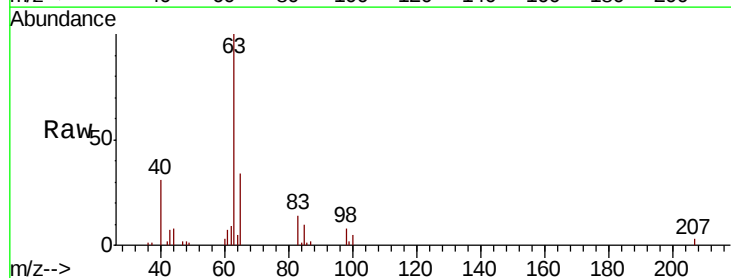
Tgt Ion: 63 Resp: 43720

Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

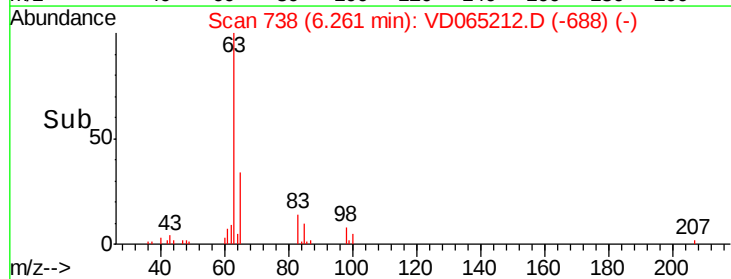
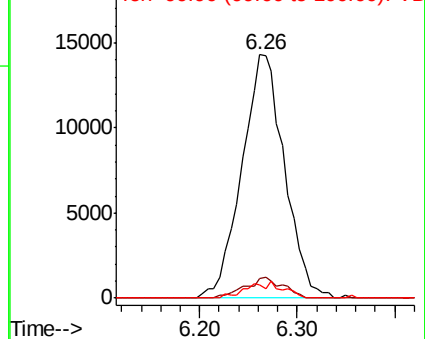
100 5.5 2.3 6.8



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: 22.749 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

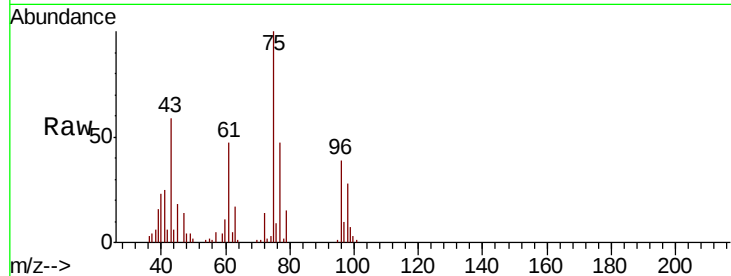
VSTDIC005

Tot Ion: 43 Resp: 29428

Ion Ratio Lower Upper

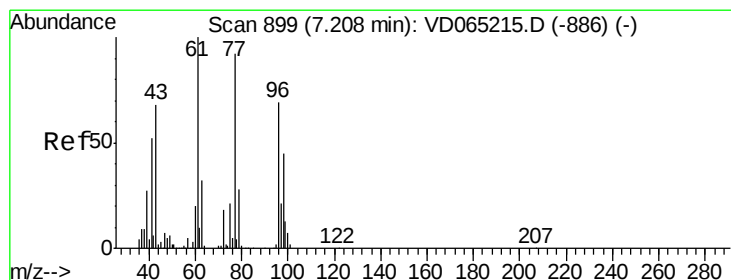
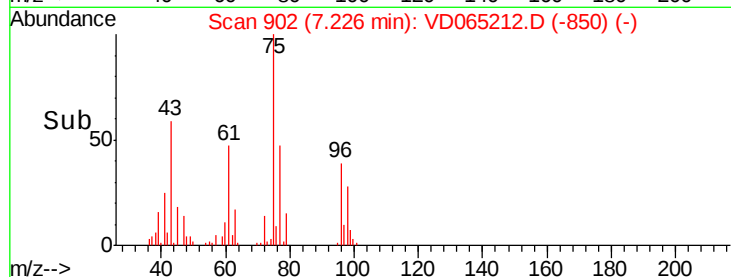
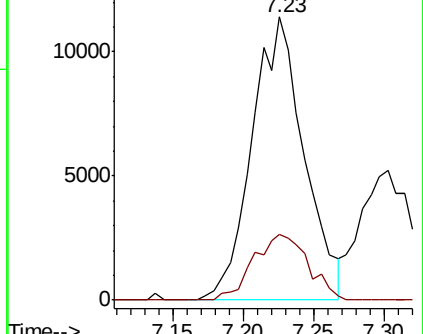
43 100

72 23.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.329 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065212.D

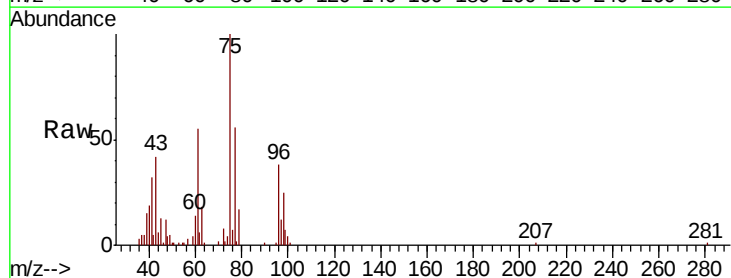
Acq: 18 Feb 2020 10:34

Tgt Ion: 77 Resp: 38700

Ion Ratio Lower Upper

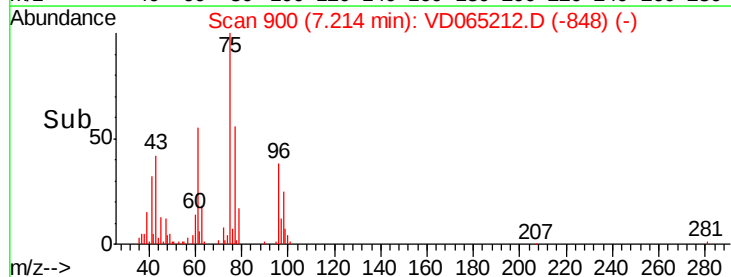
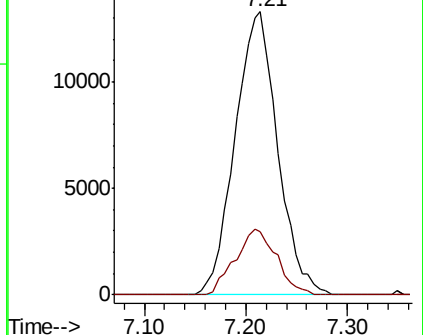
77 100

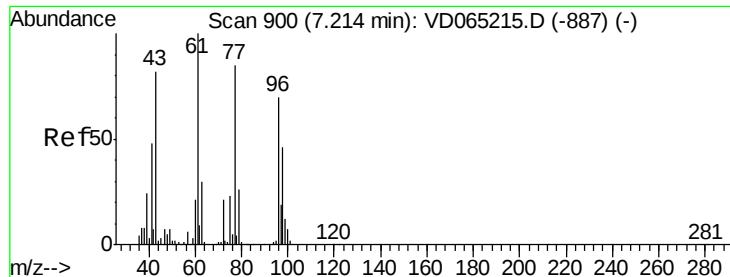
97 22.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



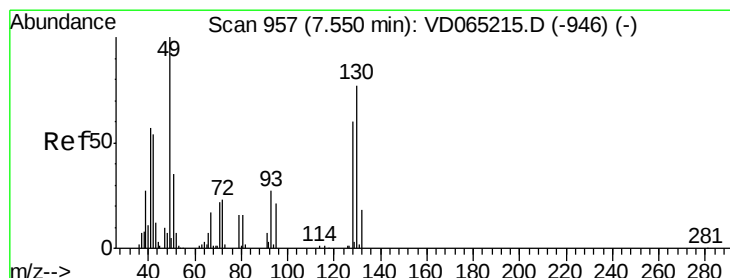
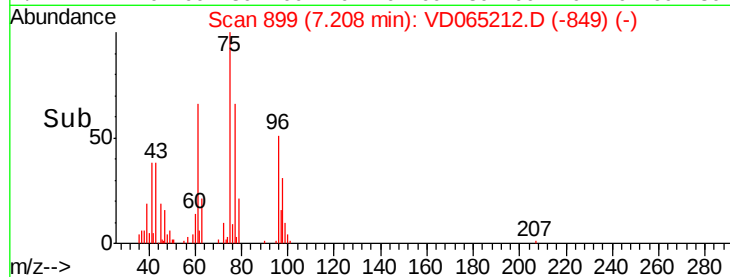
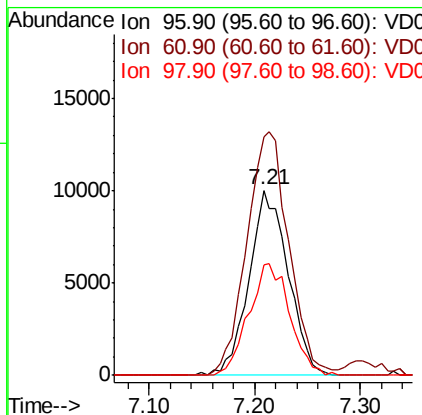
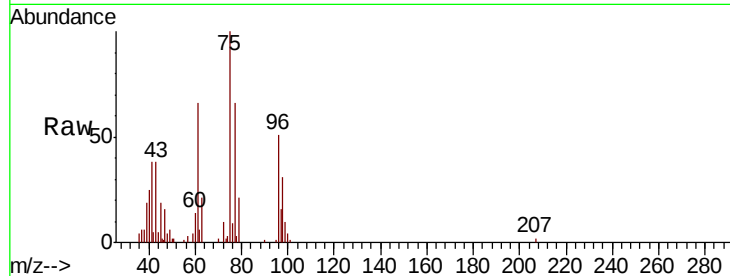


#27

cis-1,2-Dichloroethene
 Concen: 4.972 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

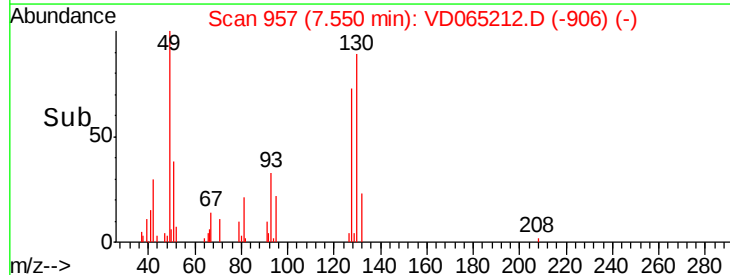
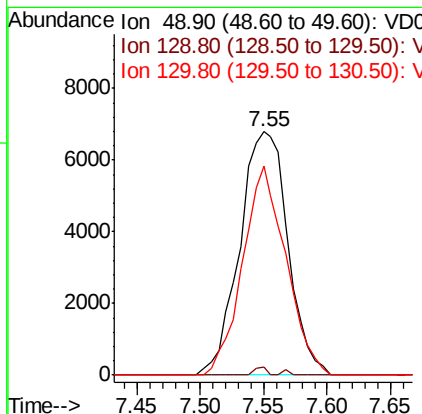
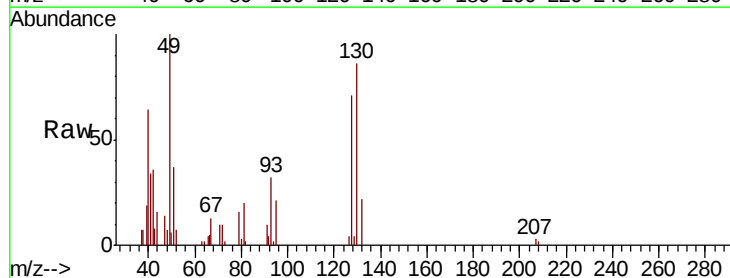
Tot Ion: 96 Resp: 25806
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 286.0
 98 63.2 0.0 127.8

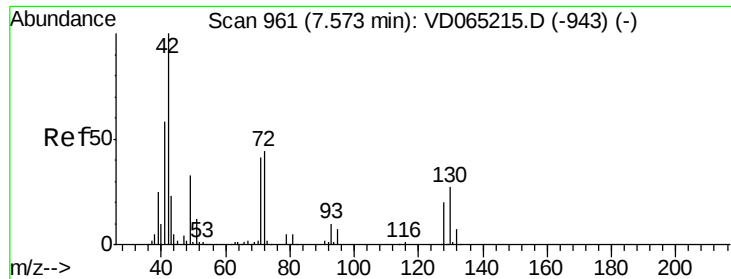


#28

Bromochloromethane
 Concen: 5.762 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion: 49 Resp: 17894
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.6
 130 77.4 64.7 97.1

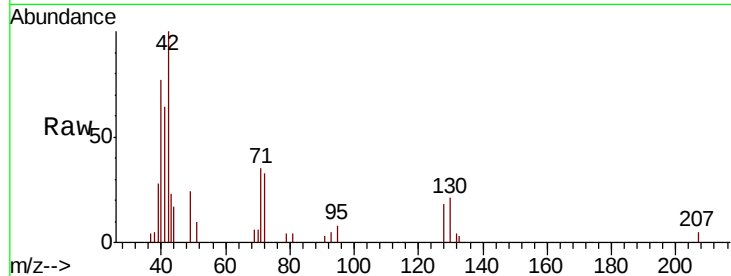




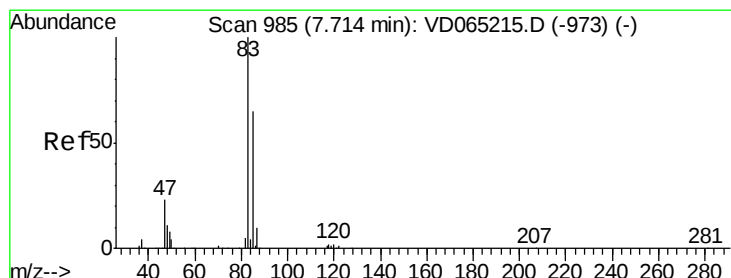
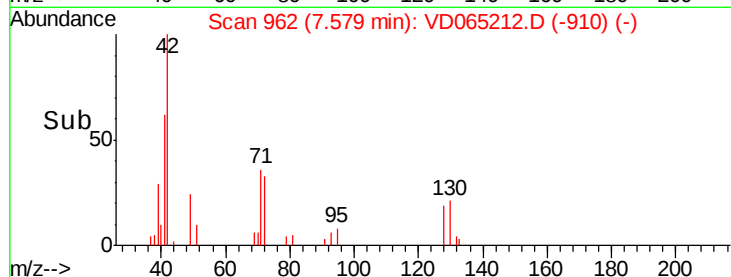
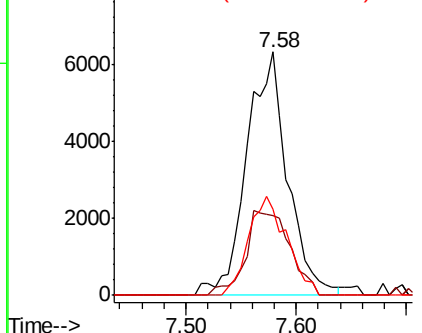
#29
Tetrahydrofuran
Concen: 21.665 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 16421
Ion Ratio Lower Upper
42 100
72 37.4 33.7 50.5
71 38.0 31.4 47.2

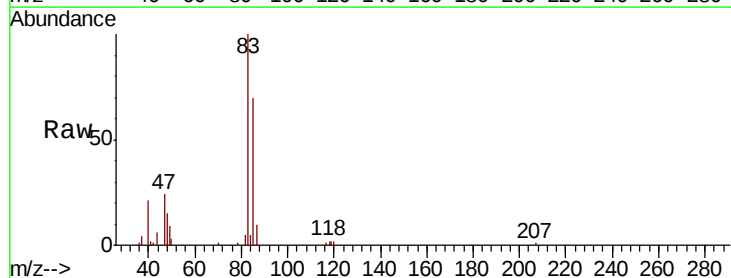


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

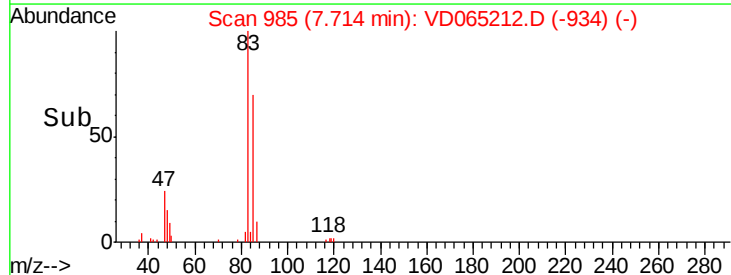
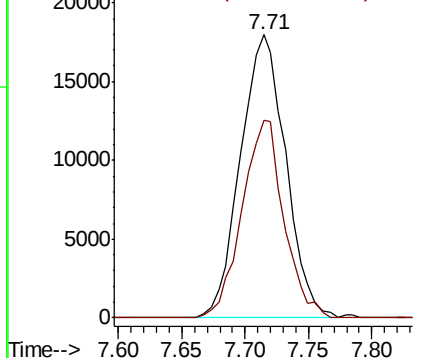


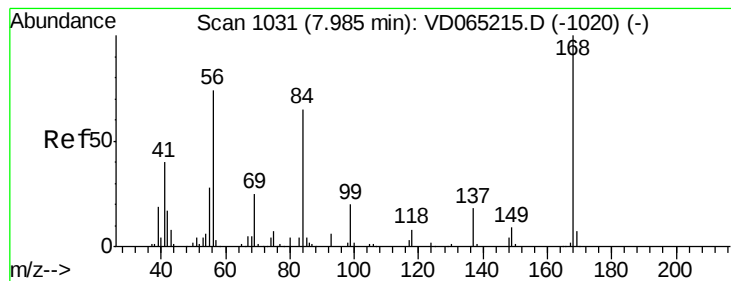
#30
Chloroform
Concen: 5.280 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 83 Resp: 44525
Ion Ratio Lower Upper
83 100
85 70.0 52.3 78.5



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





#31

Cyclohexane

Concen: 5.605 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

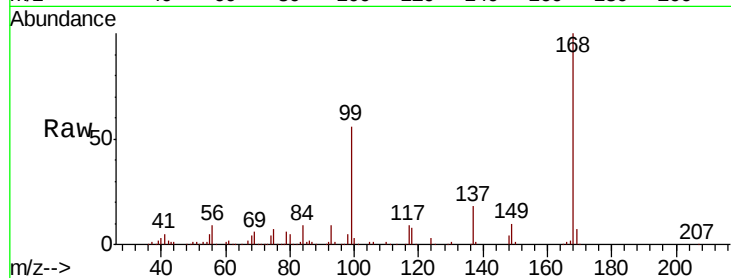
Tot Ion: 56 Resp: 46098

Ion Ratio Lower Upper

56 100

69 61.6 27.4 41.0#

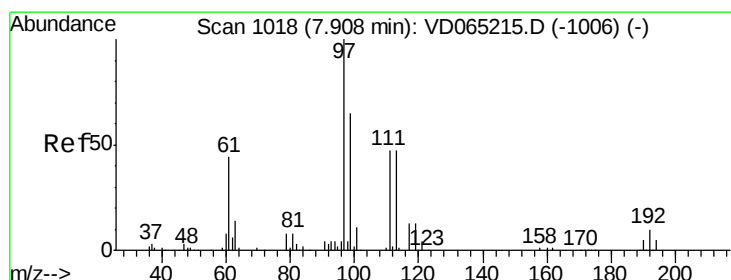
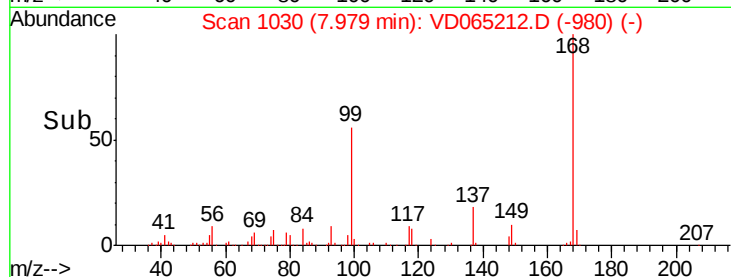
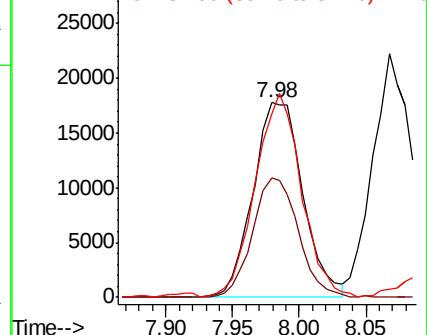
84 91.9 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 5.224 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

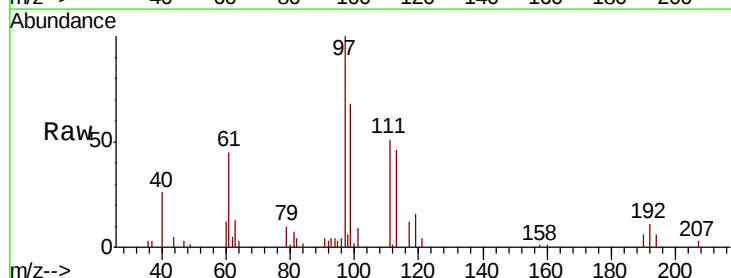
Tgt Ion: 97 Resp: 39411

Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.2

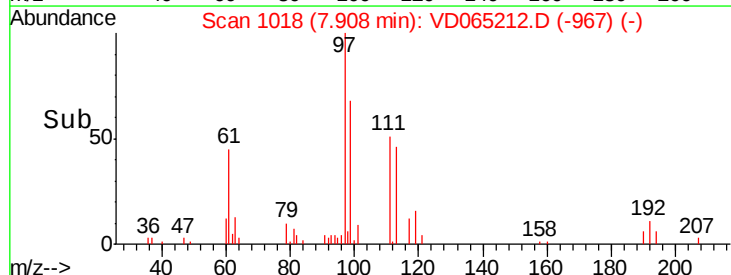
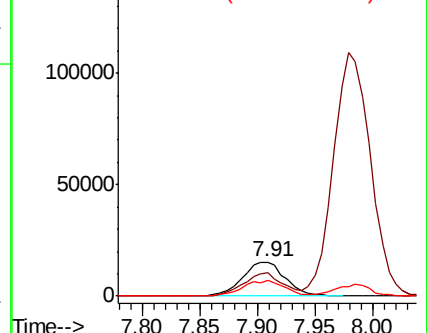
61 44.5 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

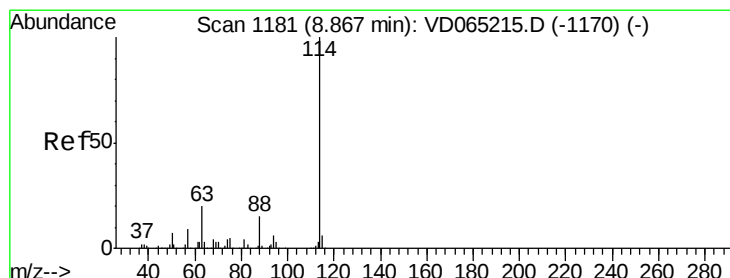
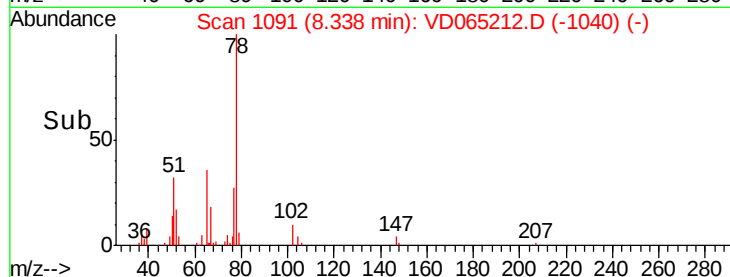
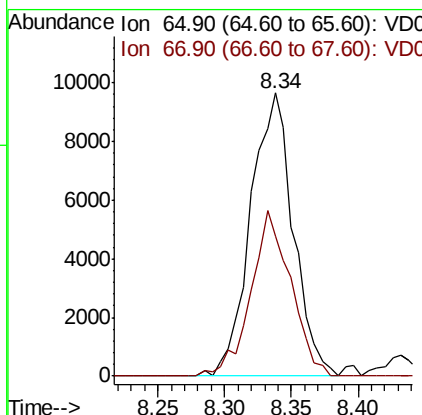
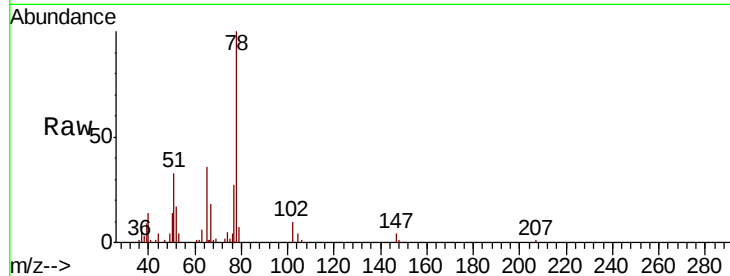




#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

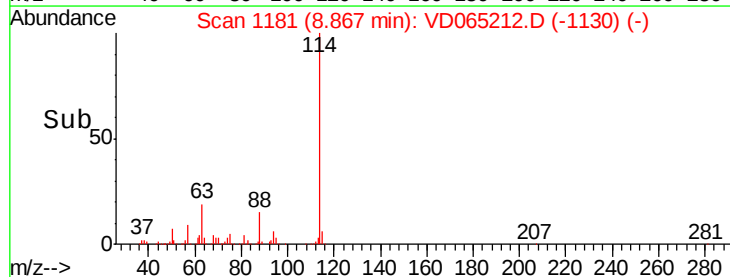
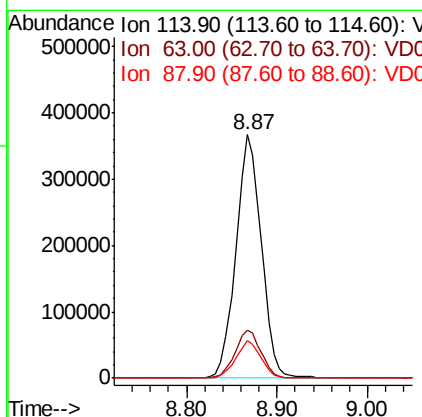
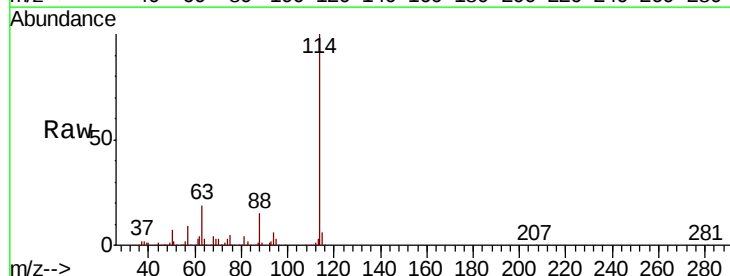
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

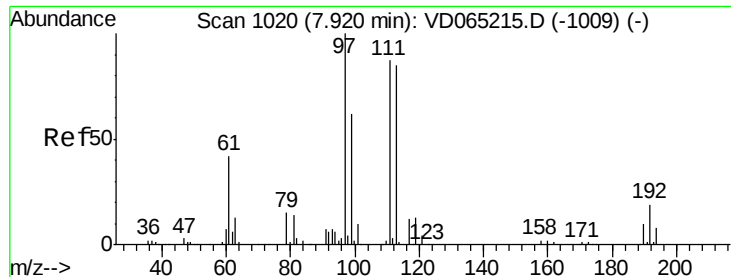
Tot Ion: 65 Resp: 21310
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion: 114 Resp: 714441
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.2 0.0 30.4

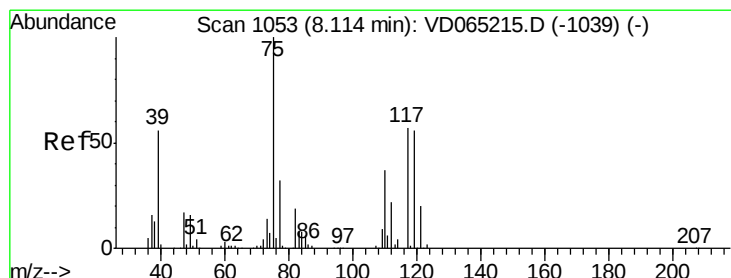
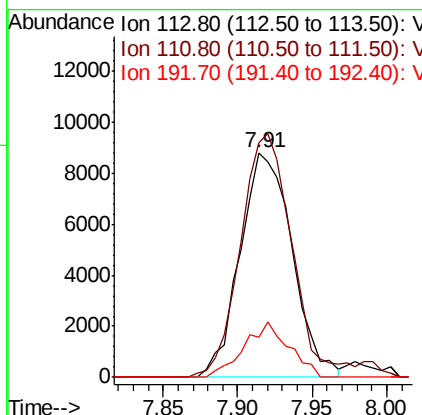
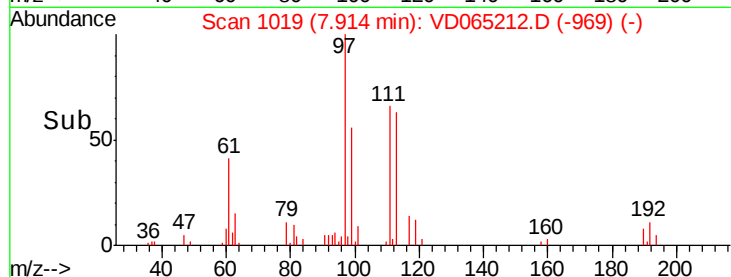
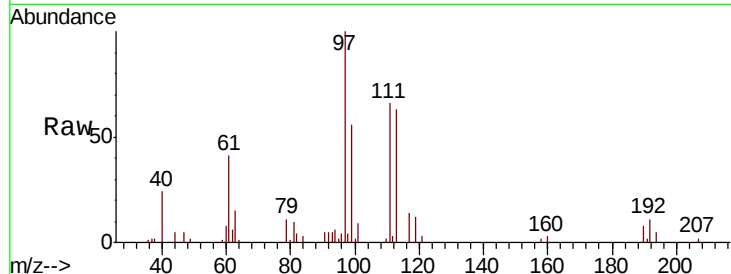




#35
Dibromofluoromethane
Concen: 4.896 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

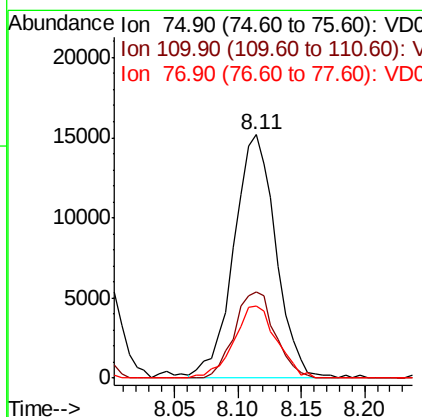
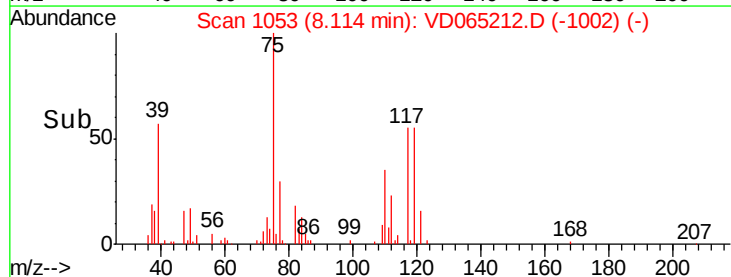
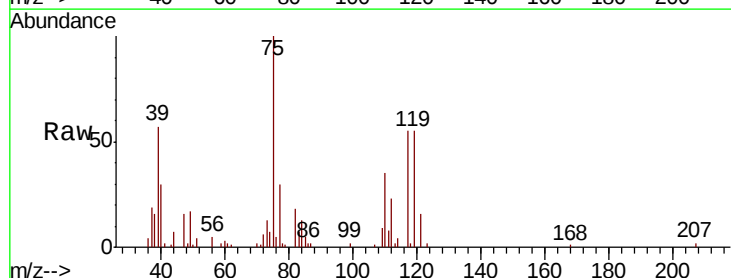
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

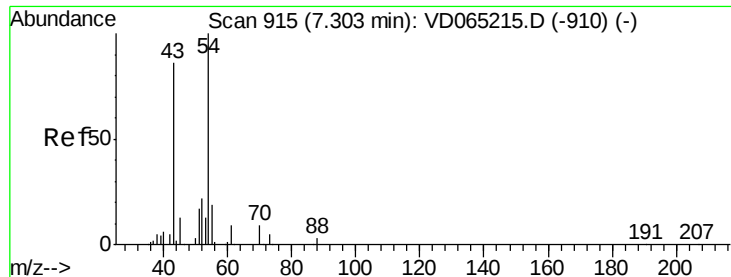
Tot Ion:113 Resp: 21329
Ion Ratio Lower Upper
113 100
111 107.2 82.9 124.3
192 21.1 17.3 25.9



#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 75 Resp: 34932
Ion Ratio Lower Upper
75 100
110 34.1 17.9 53.7
77 29.9 25.1 37.7

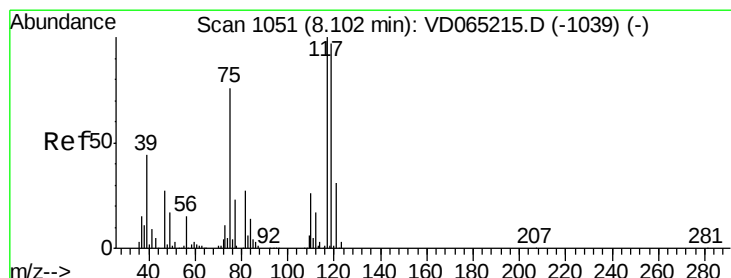
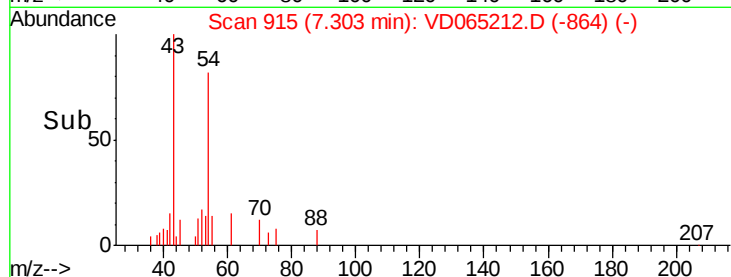
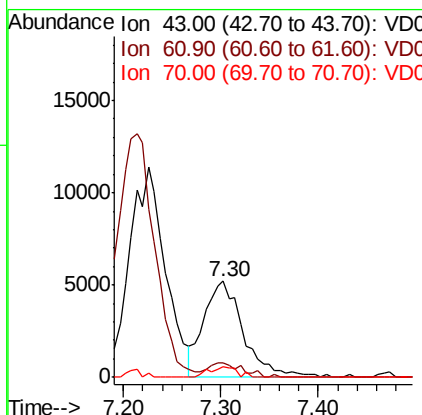
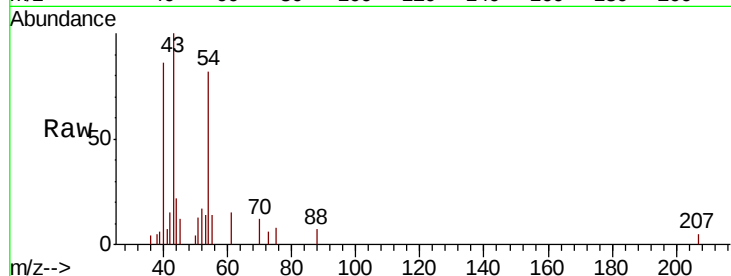




#37
Ethyl Acetate
Concen: 5.059 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

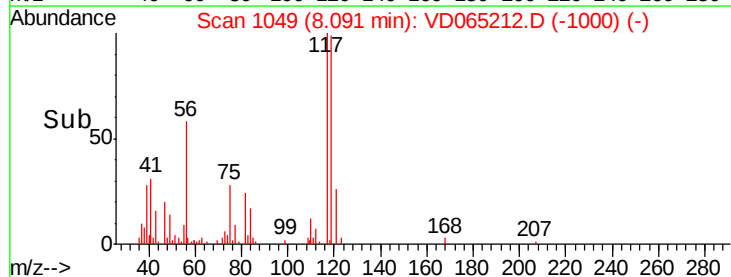
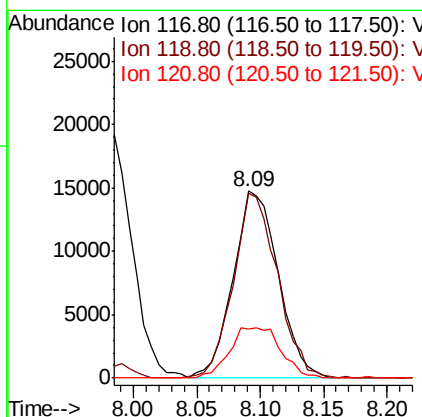
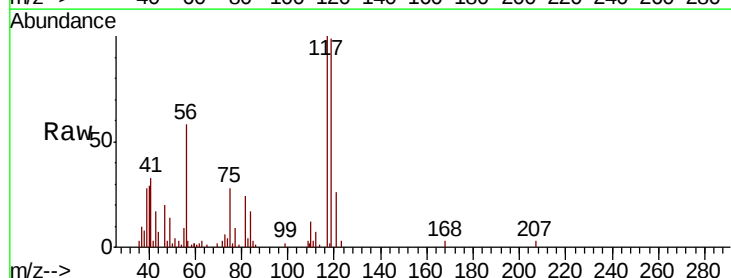
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

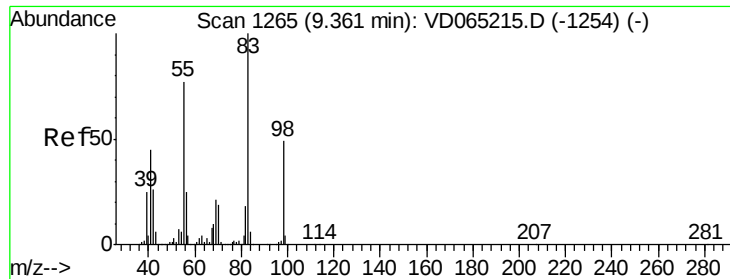
Tot Ion: 43 Resp: 14703
Ion Ratio Lower Upper
43 100
61 13.2 11.2 16.8
70 7.6 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 117 Resp: 36577
Ion Ratio Lower Upper
117 100
119 98.8 77.6 116.4
121 26.4 24.8 37.2

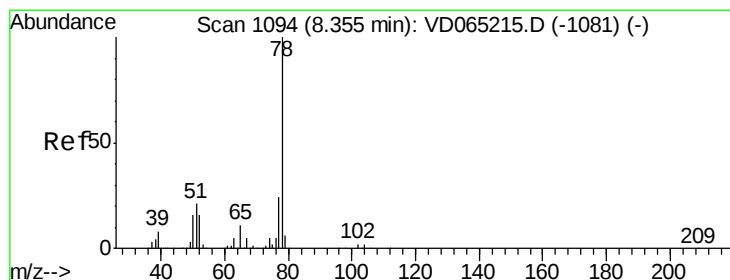
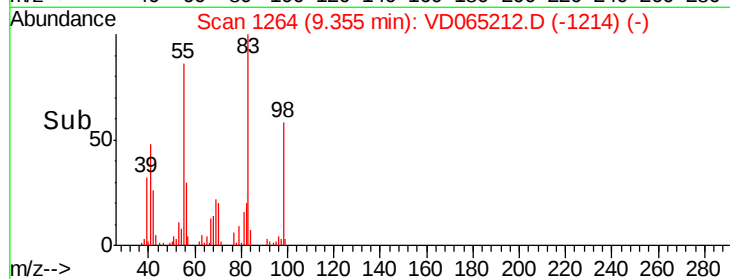
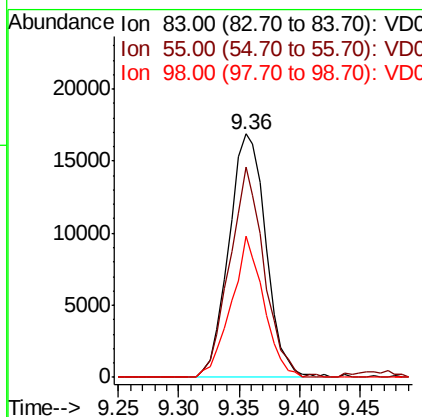
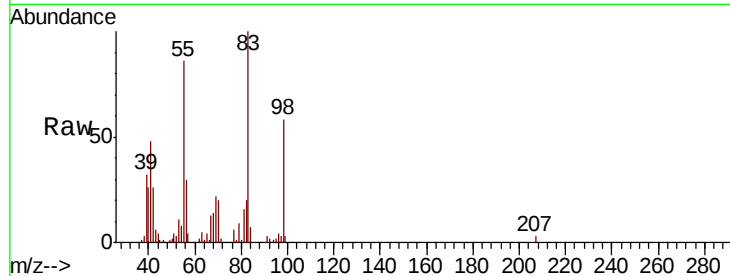




#39
Methvlcvclohexane
Concen: 4.417 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

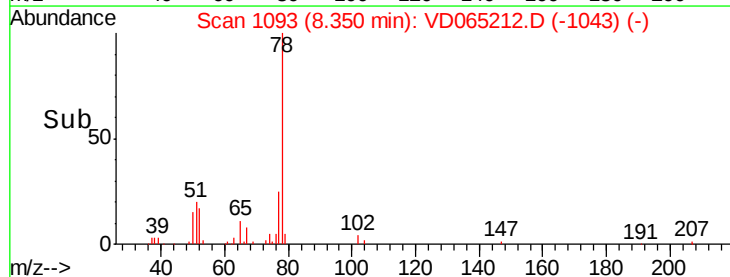
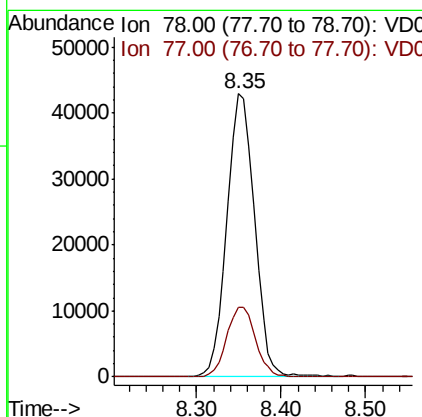
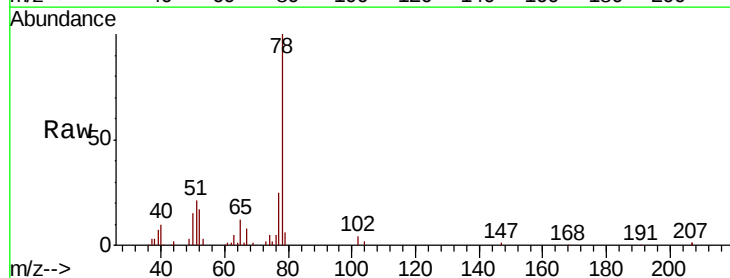
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

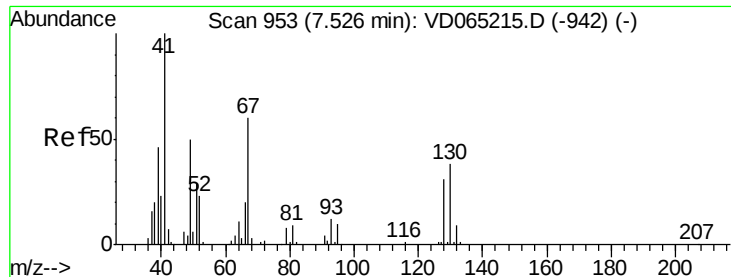
Tot Ion: 83 Resp: 36100
Ion Ratio Lower Upper
83 100
55 86.4 61.8 92.6
98 58.0 39.4 59.0



#40
Benzene
Concen: 4.948 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 78 Resp: 97093
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

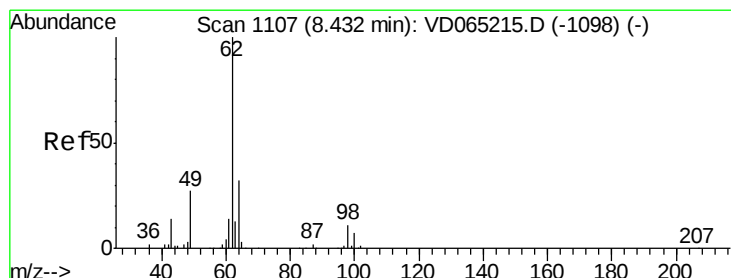
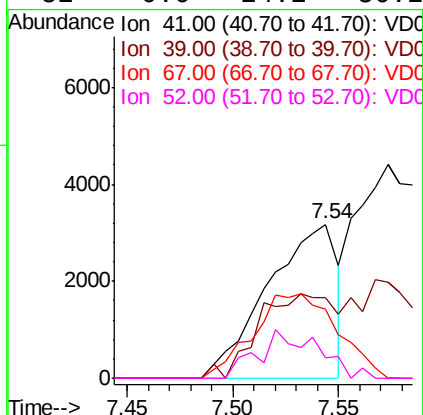
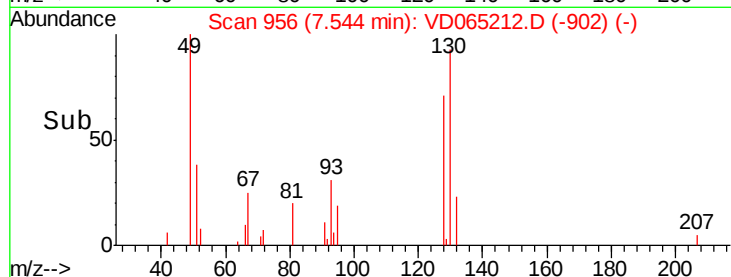
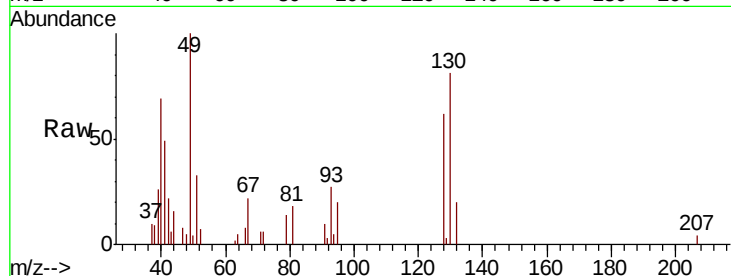




#41
Methacrylonitrile
Concen: 4.340 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.02 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

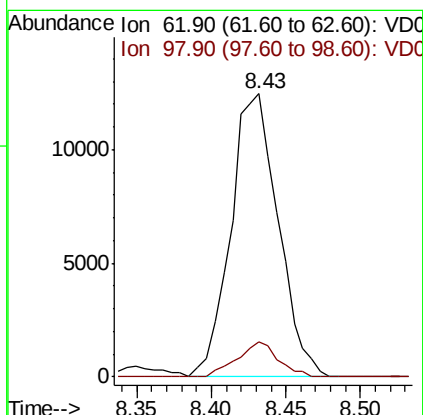
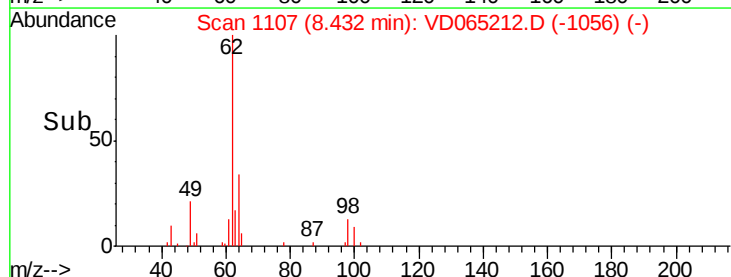
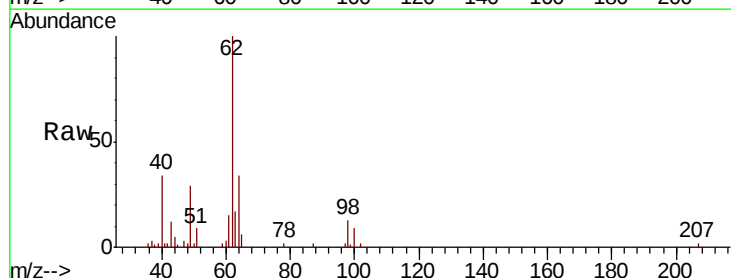
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

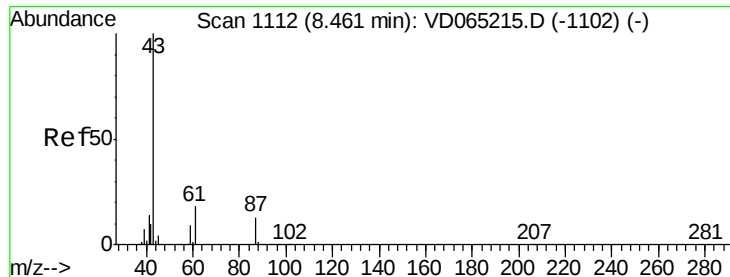
Tot Ion: 41 Resp: 7283
Ion Ratio Lower Upper
41 100
39 60.2 48.1 72.1
67 66.1 58.9 88.3
52 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 5.092 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 62 Resp: 27467
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 4.508 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

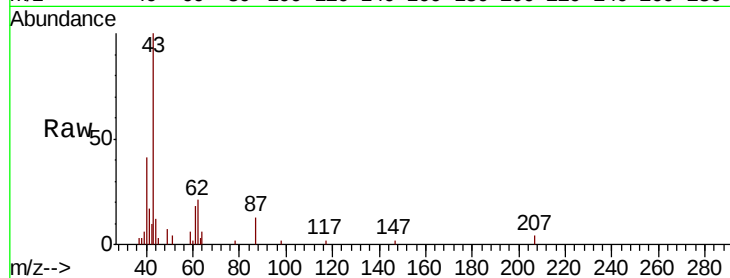
Tot Ion: 43 Resp: 23822

Ion Ratio Lower Upper

43 100

61 33.9 24.6 36.8

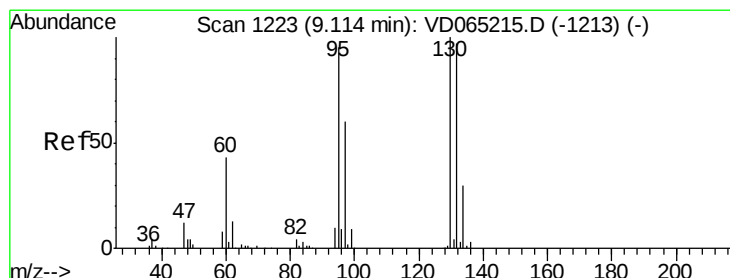
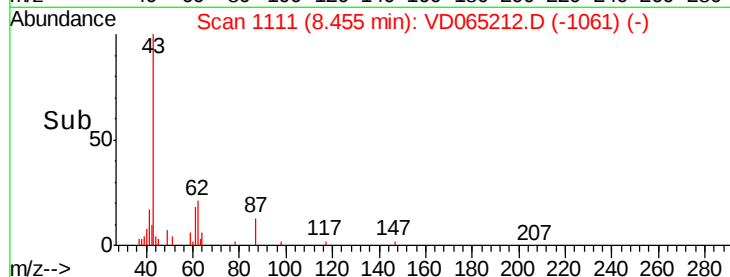
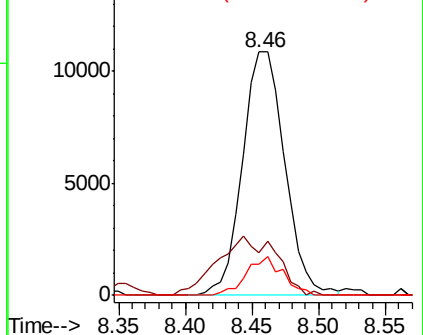
87 13.7 10.6 16.0



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: 5.117 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065212.D

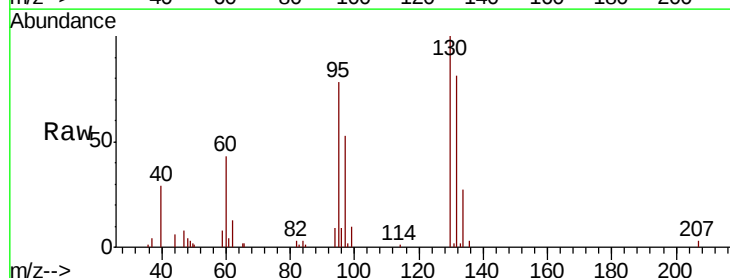
Acq: 18 Feb 2020 10:34

Tgt Ion:130 Resp: 27832

Ion Ratio Lower Upper

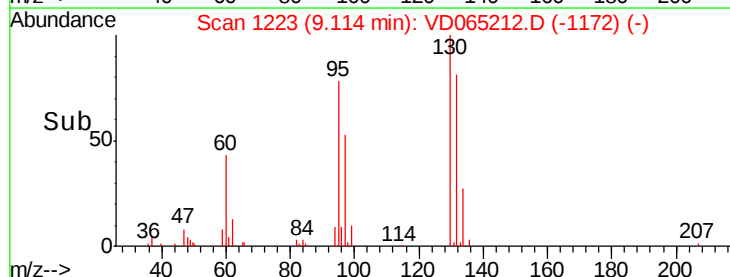
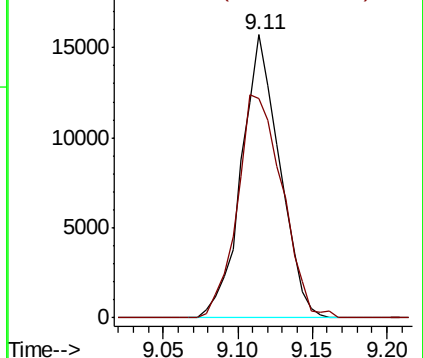
130 100

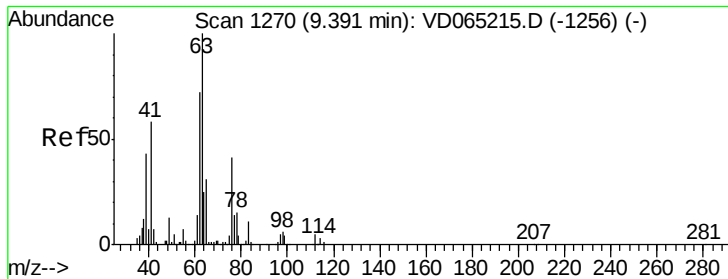
95 77.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.060 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

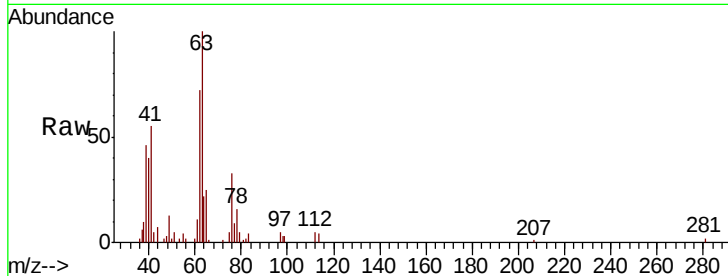
VSTDIC005

Tot Ion: 63 Resp: 24686

Ion Ratio Lower Upper

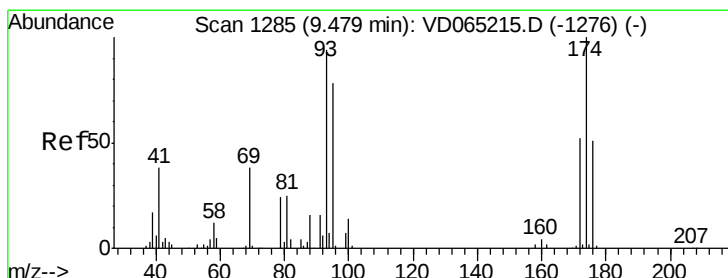
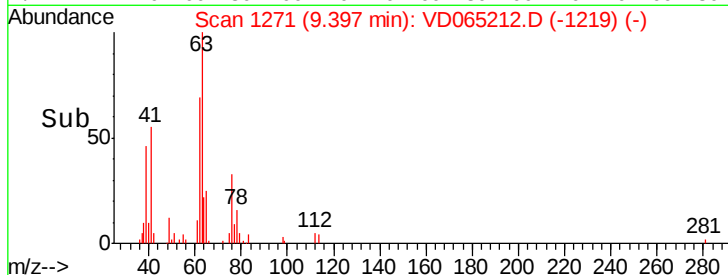
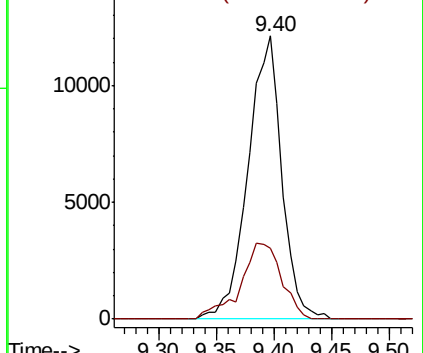
63 100

65 25.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.936 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

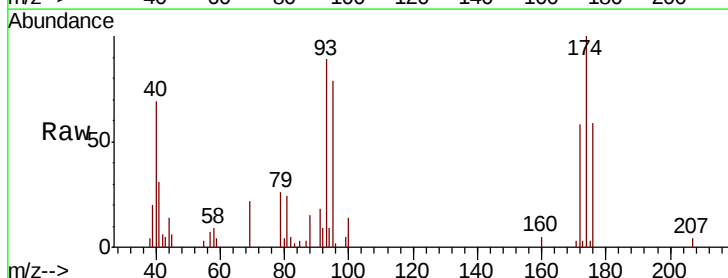
Tgt Ion: 93 Resp: 12391

Ion Ratio Lower Upper

93 100

95 88.0 65.8 98.6

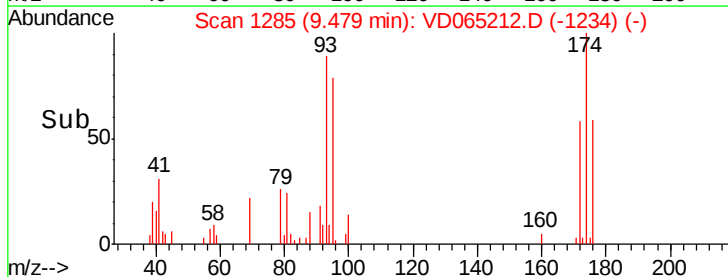
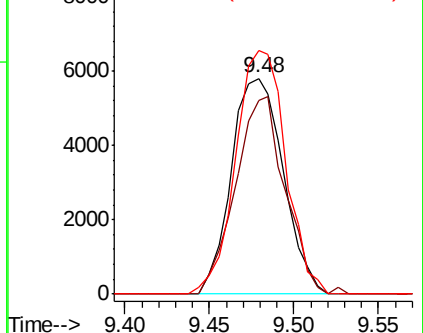
174 109.3 86.8 130.2

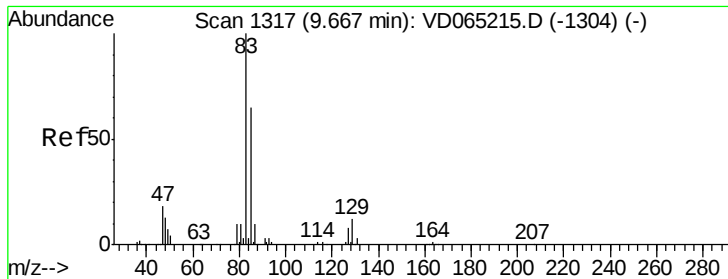


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.203 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

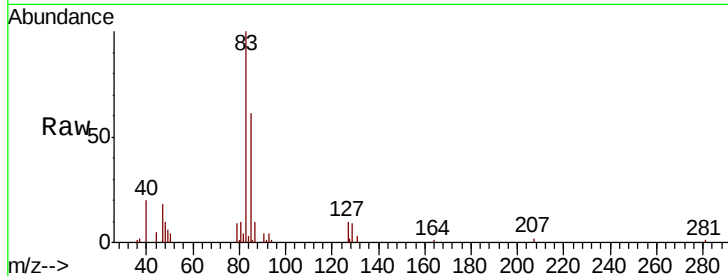
Tot Ion: 83 Resp: 34422

Ion Ratio Lower Upper

83 100

85 60.6 52.0 78.0

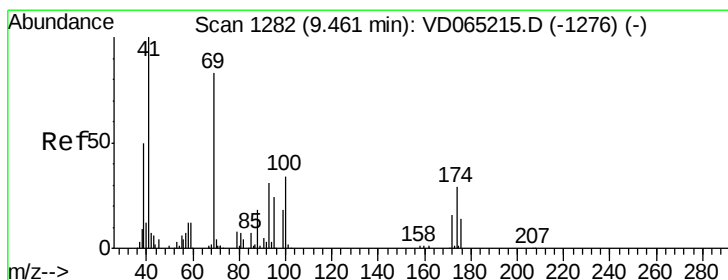
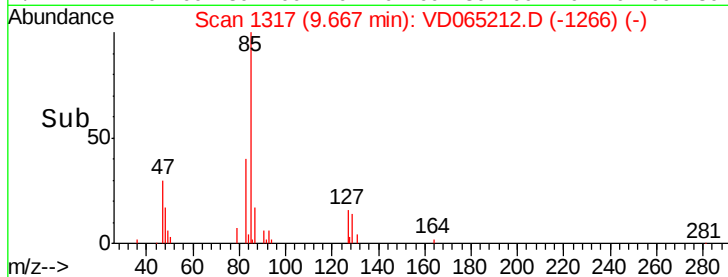
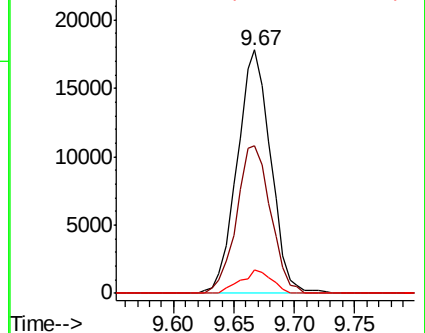
127 9.8 6.7 10.1



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: 4.238 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

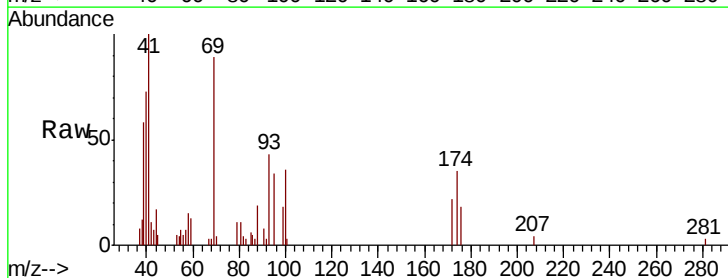
Tgt Ion: 41 Resp: 10351

Ion Ratio Lower Upper

41 100

69 89.4 68.2 102.2

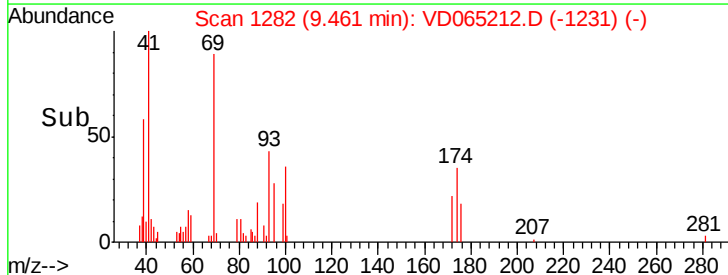
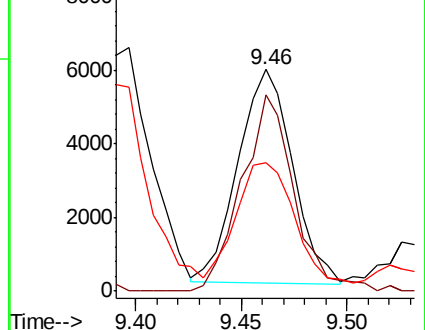
39 59.8 42.0 63.0

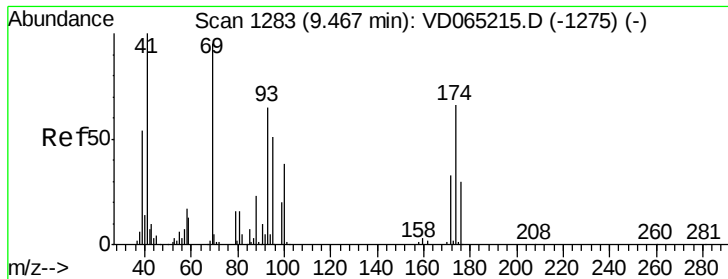


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

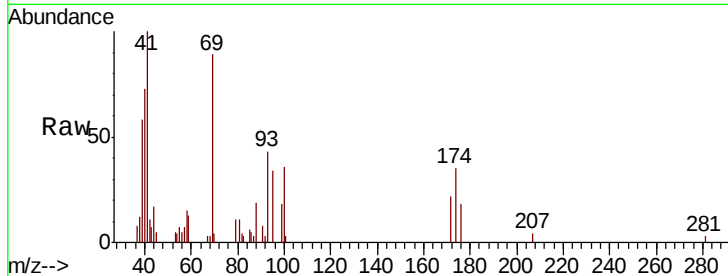




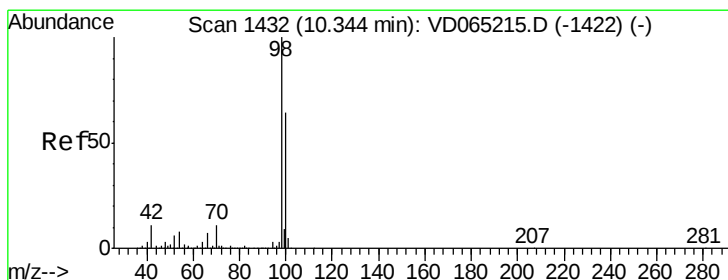
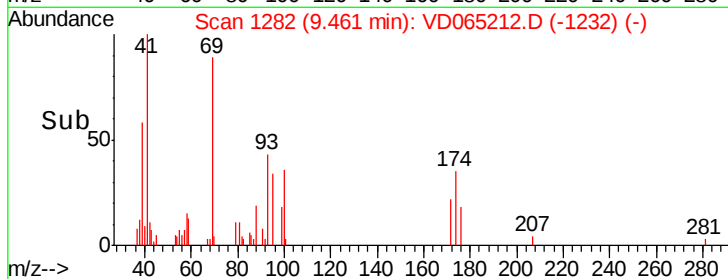
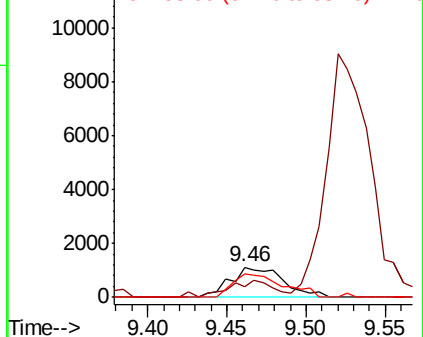
#49
1,4-Dioxane
Concen: 88.783 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2614
Ion Ratio Lower Upper
88 100
43 46.5 28.5 42.7#
58 73.0 58.6 87.8

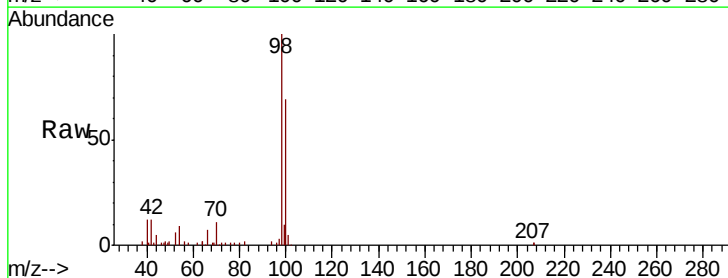


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

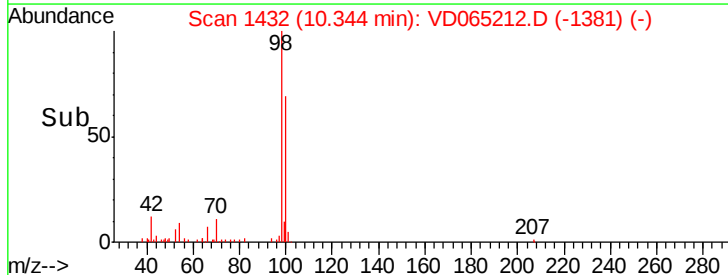
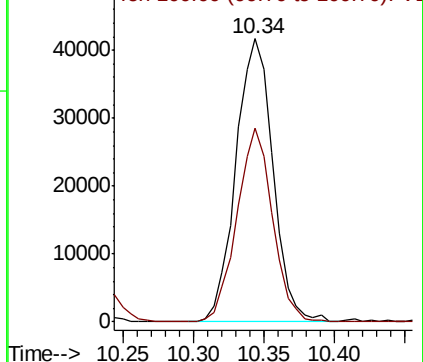


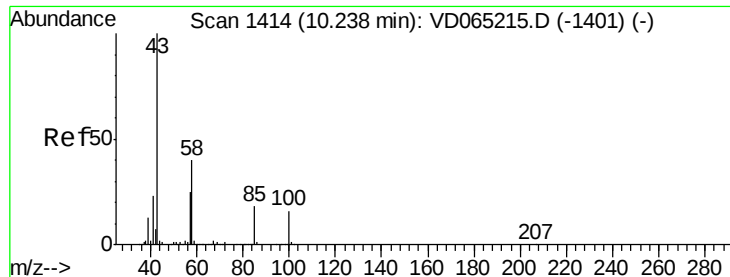
#50
Toluene-d8
Concen: 4.598 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 98 Resp: 76573
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



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: 20.927 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

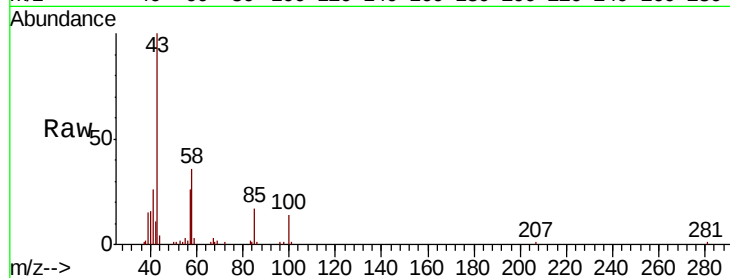
VSTDIC005

Tot Ion: 43 Resp: 56170

Ion Ratio Lower Upper

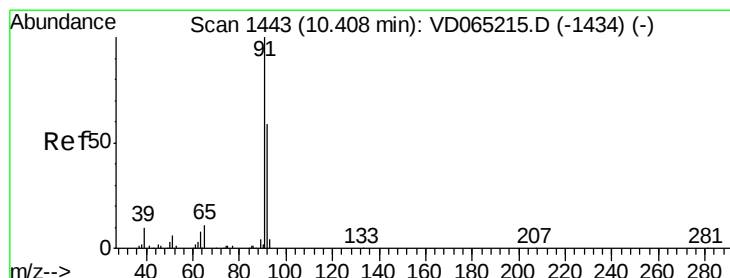
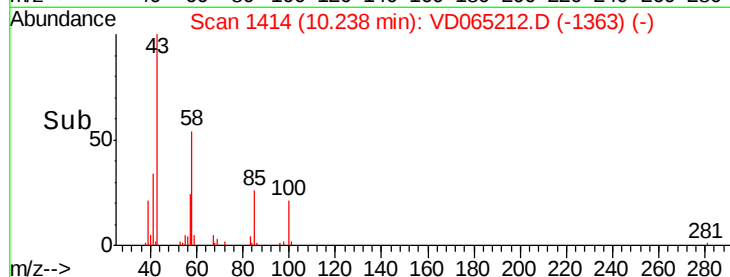
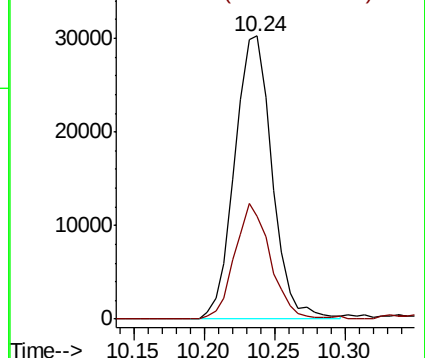
43 100

58 39.0 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.400 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065212.D

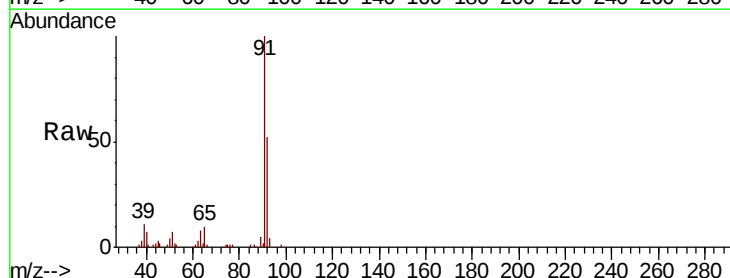
Acq: 18 Feb 2020 10:34

Tgt Ion: 92 Resp: 53445

Ion Ratio Lower Upper

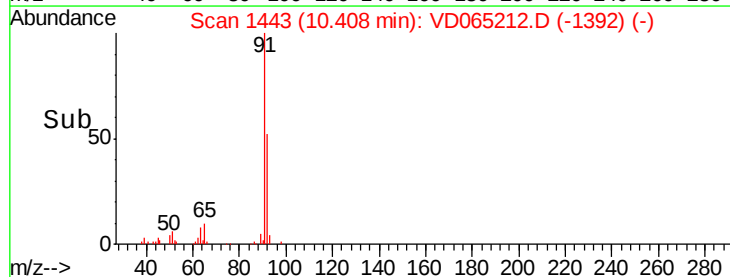
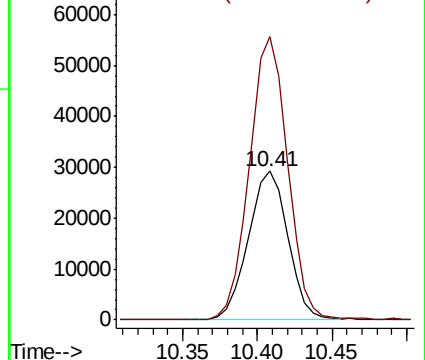
92 100

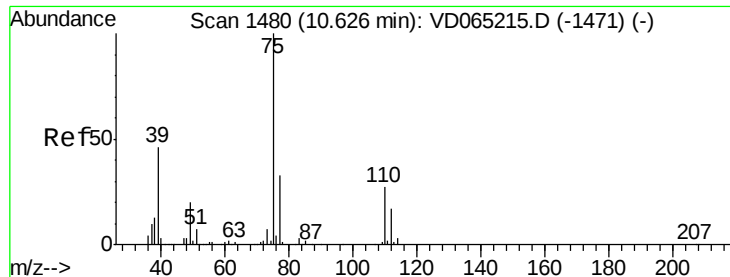
91 184.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.410 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

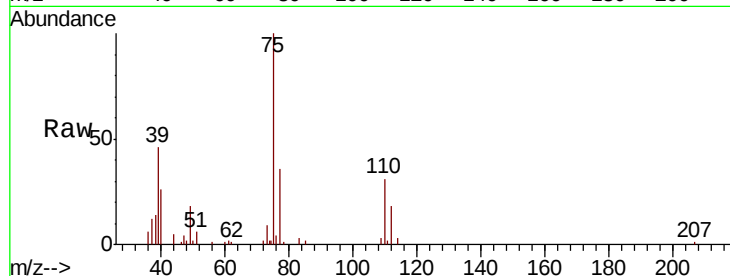
VSTDIC005

Tot Ion: 75 Resp: 27042

Ion Ratio Lower Upper

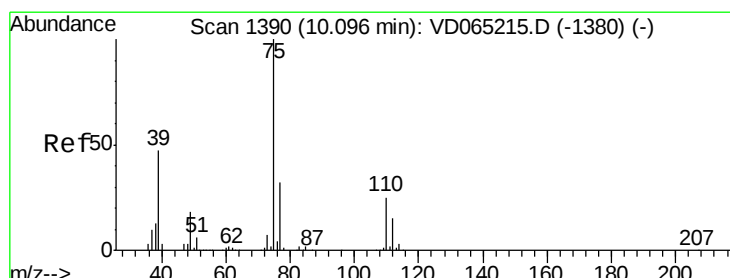
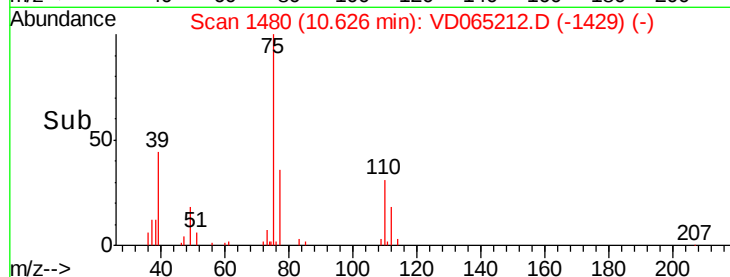
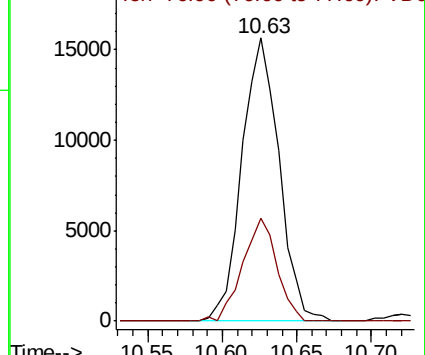
75 100

77 36.5 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.695 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

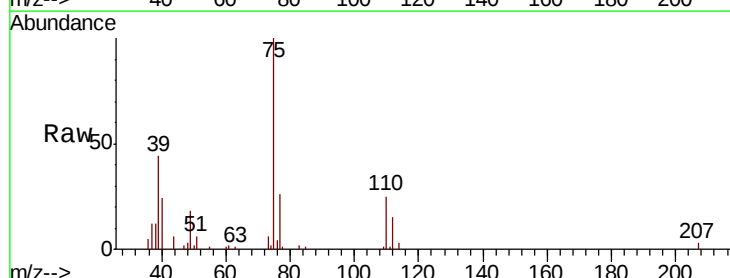
Tgt Ion: 75 Resp: 34769

Ion Ratio Lower Upper

75 100

77 25.7 25.8 38.8#

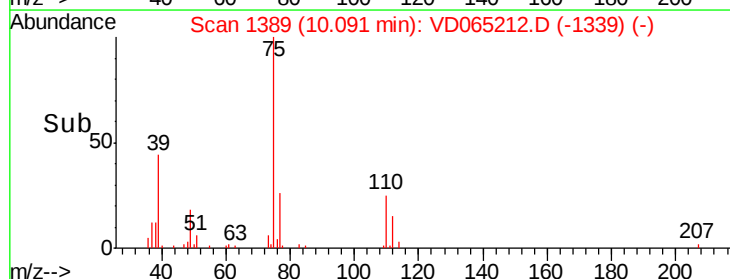
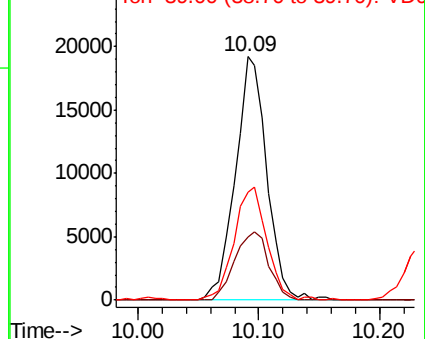
39 44.4 37.3 55.9

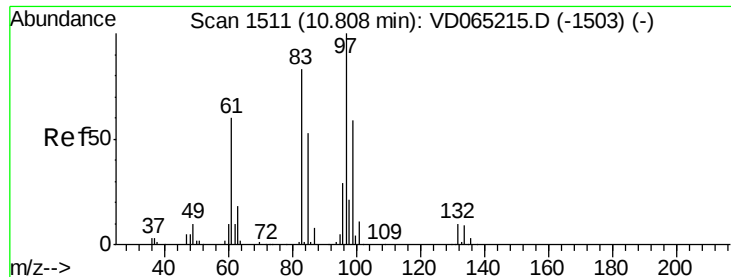


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 5.132 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 18132

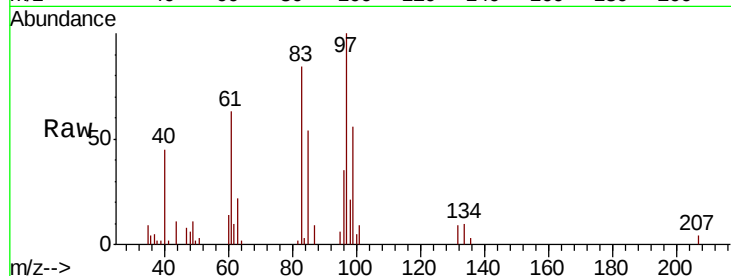
Ion Ratio Lower Upper

97 100

83 83.7 66.7 100.1

85 54.0 42.4 63.6

99 55.9 47.5 71.3

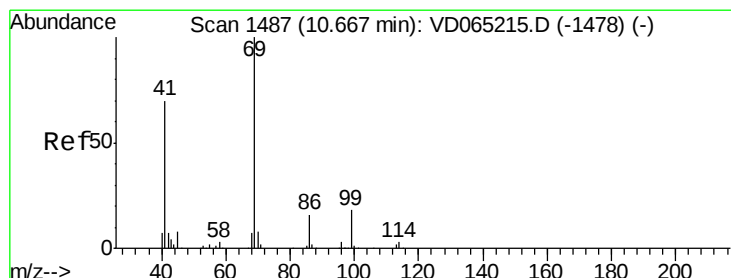
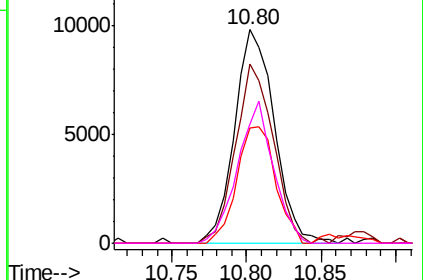
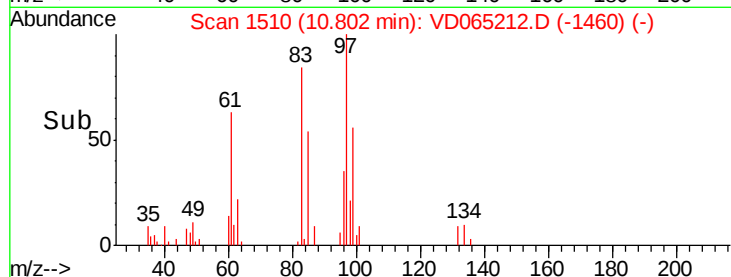


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 4.068 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

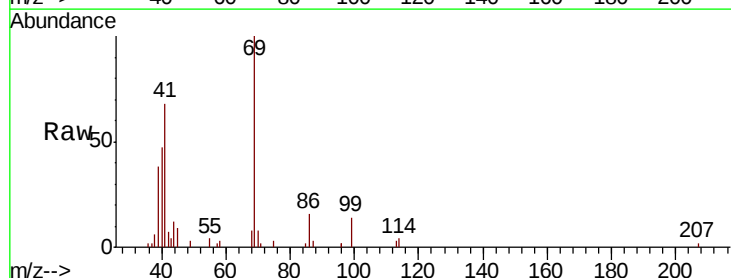
Tgt Ion: 69 Resp: 16590

Ion Ratio Lower Upper

69 100

41 71.8 54.6 81.8

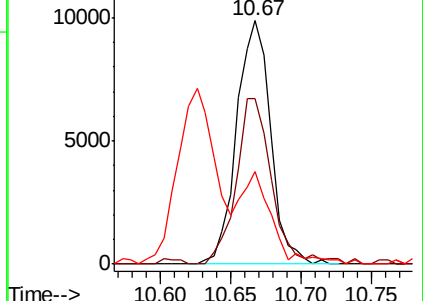
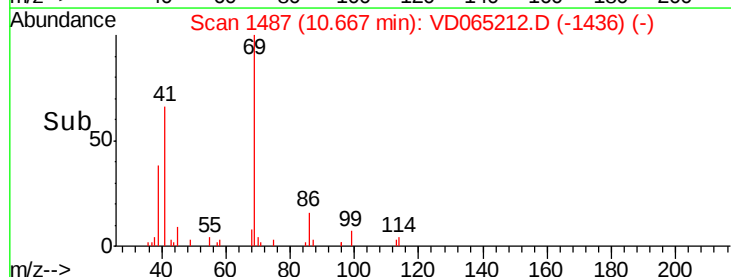
39 36.2 26.5 39.7

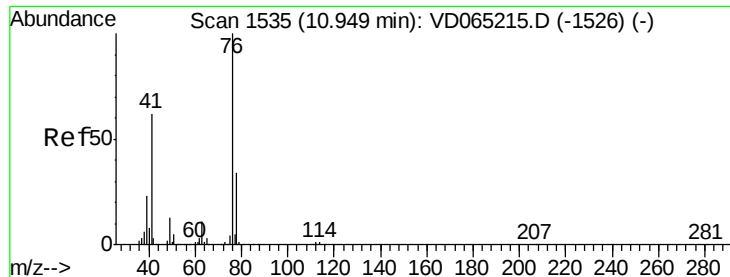


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 4.899 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

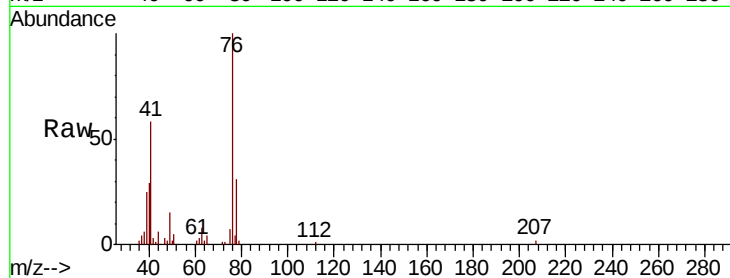
VSTDIC005

Tot Ion: 76 Resp: 29460

Ion Ratio Lower Upper

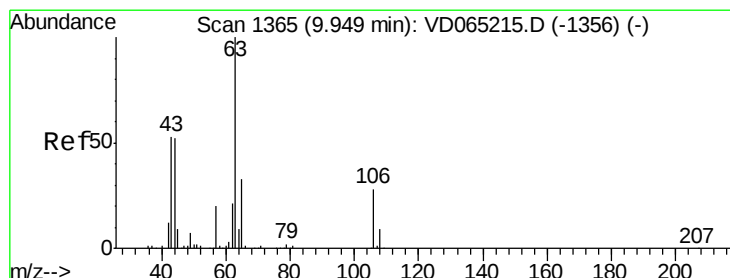
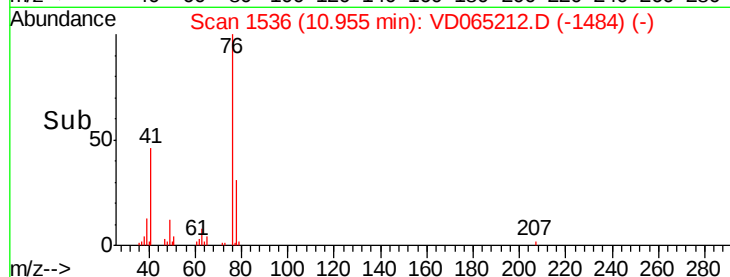
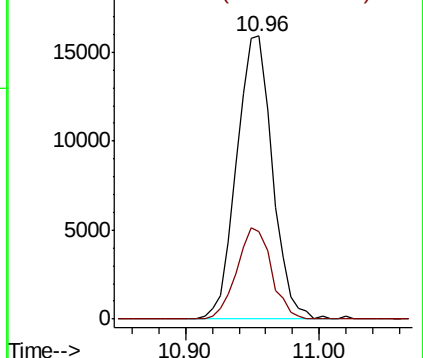
76 100

78 31.3 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 32.316 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065212.D

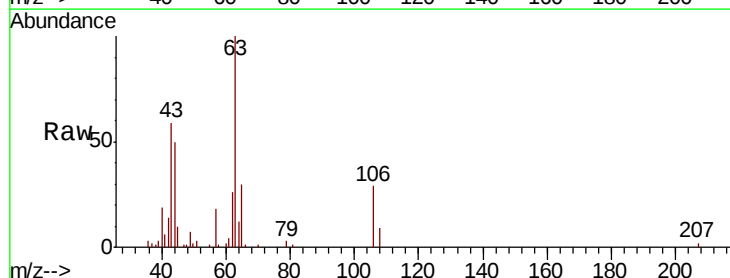
Acq: 18 Feb 2020 10:34

Tgt Ion: 63 Resp: 41551

Ion Ratio Lower Upper

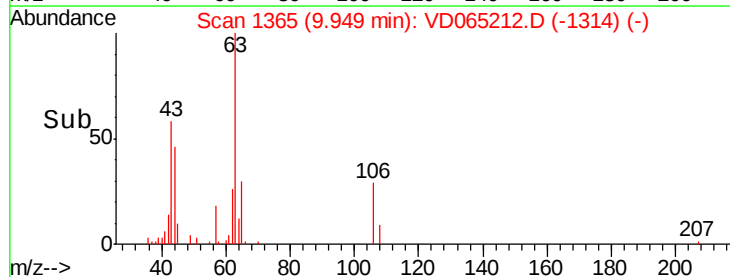
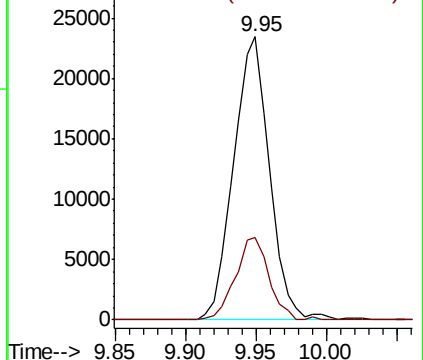
63 100

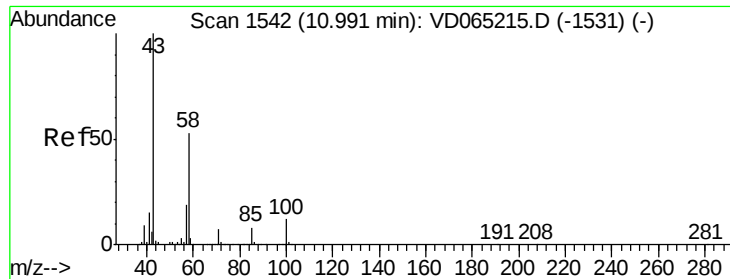
106 27.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

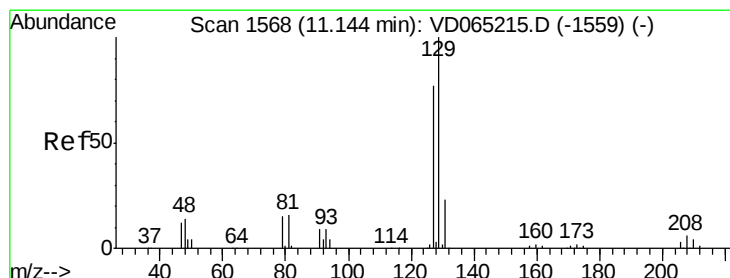
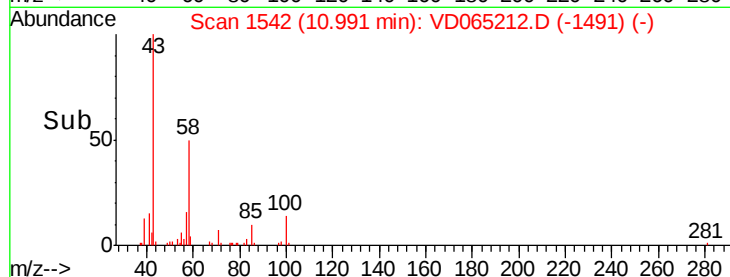
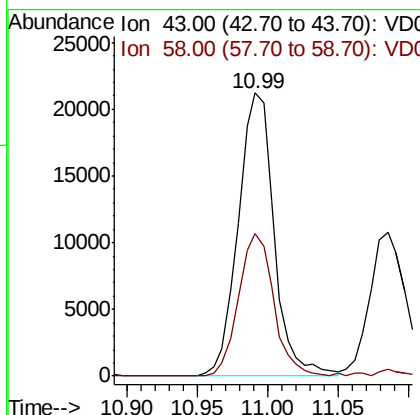
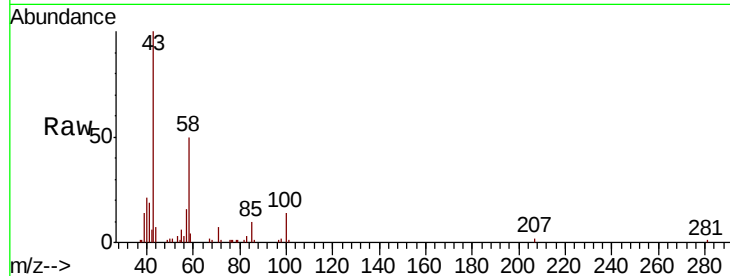




#59
2-Hexanone
Concen: 19.677 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

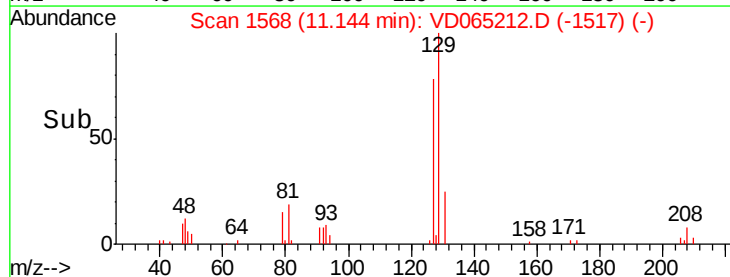
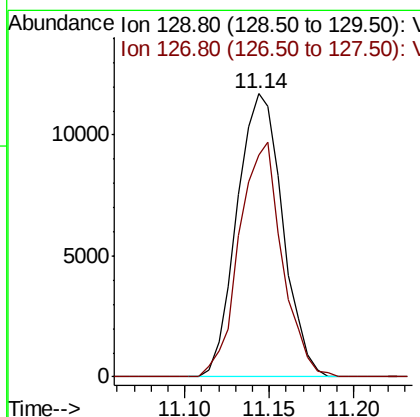
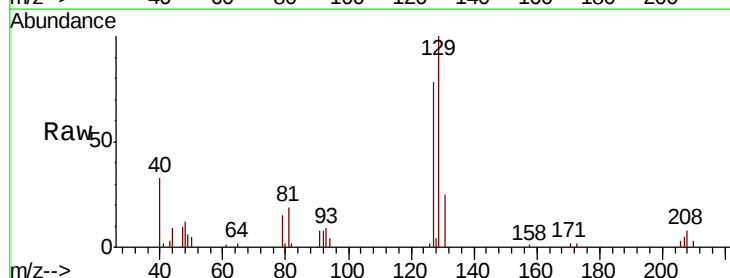
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

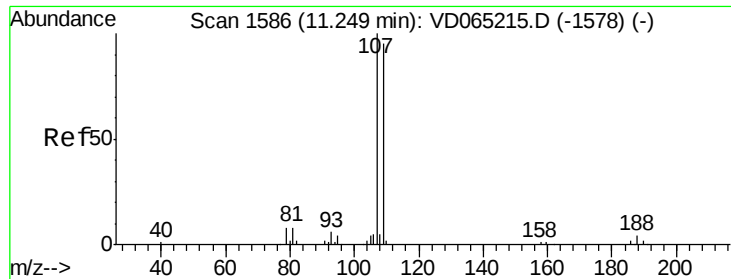
Tot Ion: 43 Resp: 37808
Ion Ratio Lower Upper
43 100
58 49.3 26.3 78.8



#60
Dibromochloromethane
Concen: 4.877 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 129 Resp: 22054
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 4.890 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

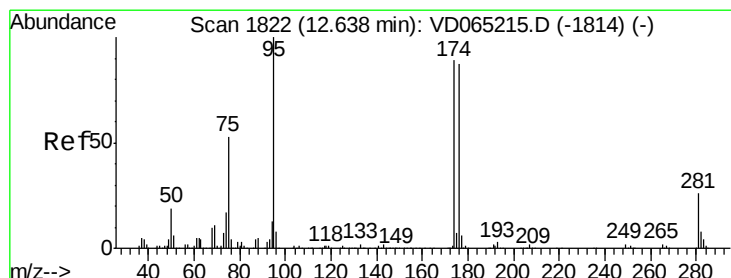
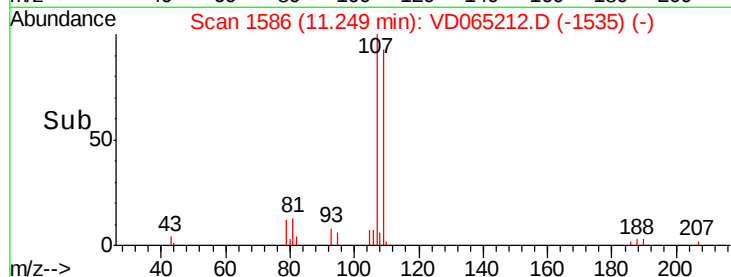
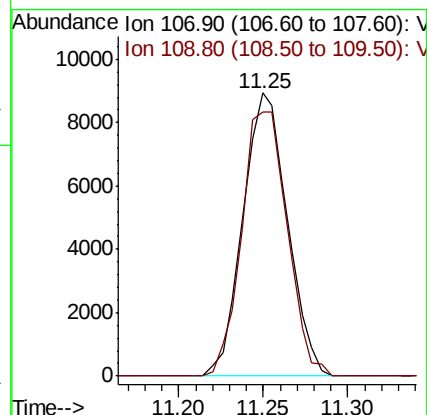
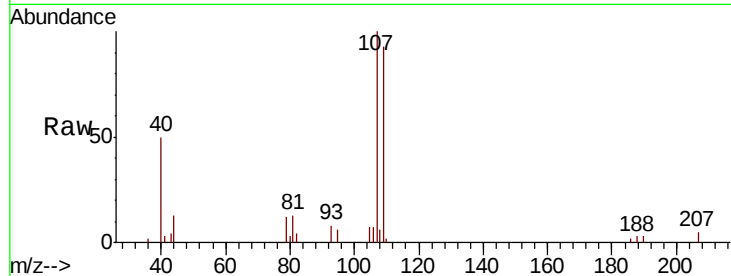
VSTDIC005

Tot Ion:107 Resp: 16360

Ion Ratio Lower Upper

107 100

109 96.0 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 4.733 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

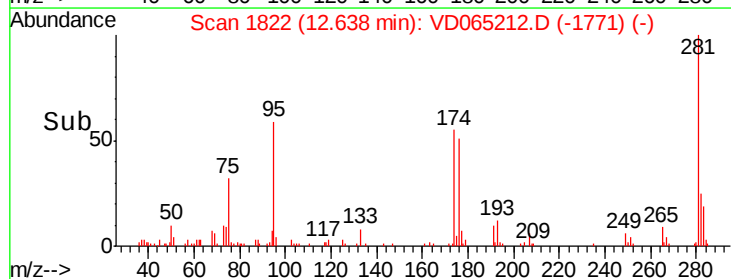
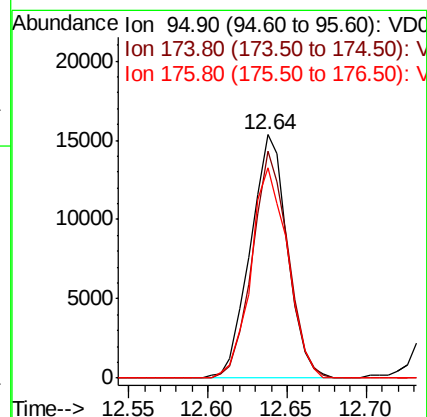
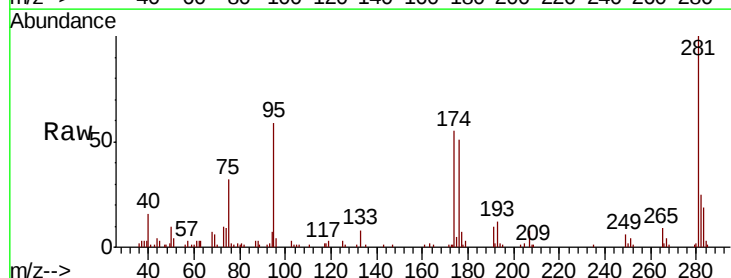
Tgt Ion: 95 Resp: 24972

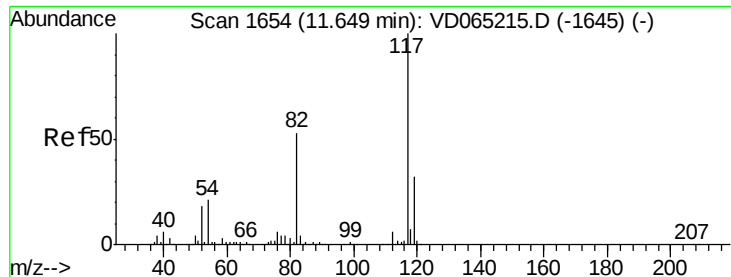
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.0

176 86.0 0.0 174.4

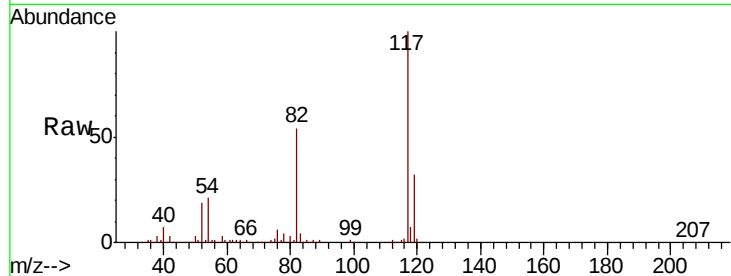




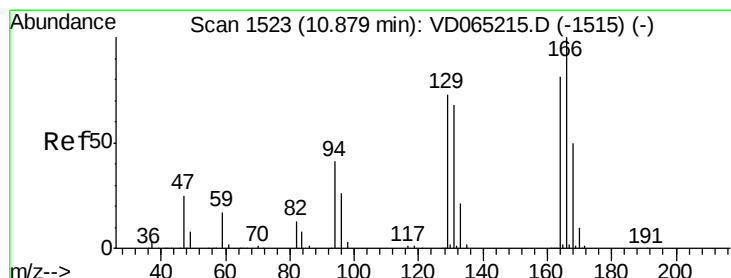
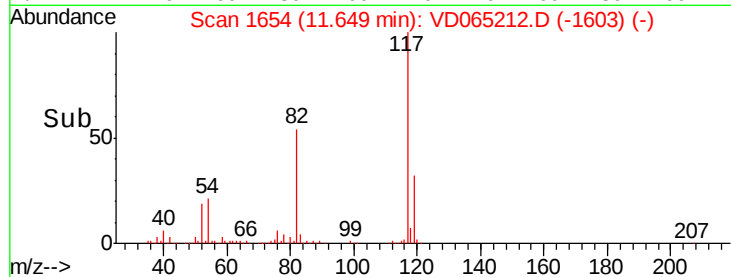
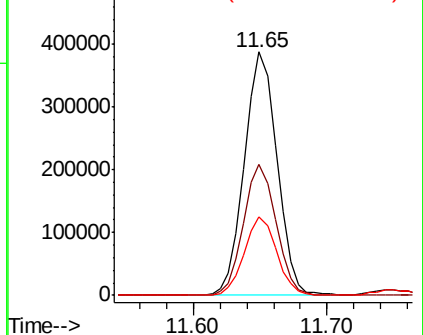
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 657692
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 32.2 25.5 38.3

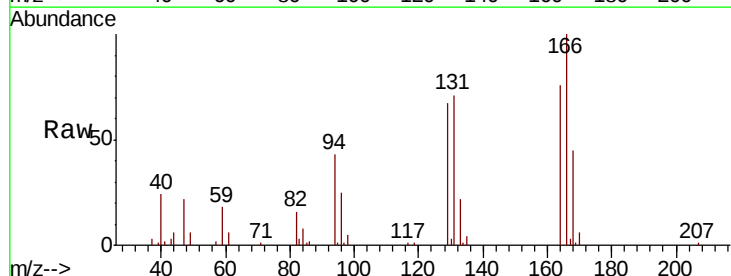


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

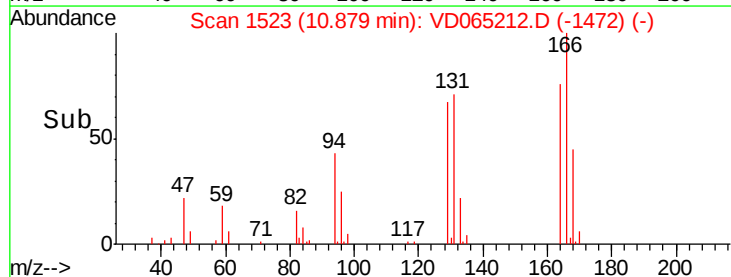
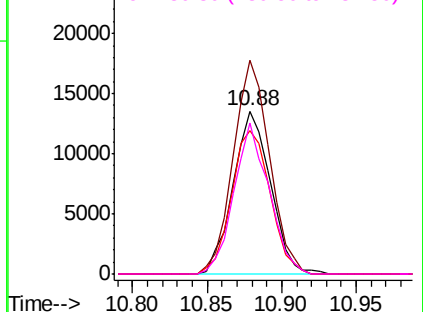


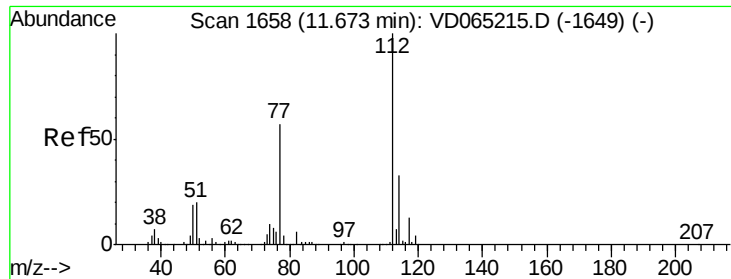
#64
Tetrachloroethene
Concen: 5.072 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion:164 Resp: 23659
Ion Ratio Lower Upper
164 100
166 131.0 98.4 147.6
129 88.0 71.6 107.4
131 92.8 67.3 100.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

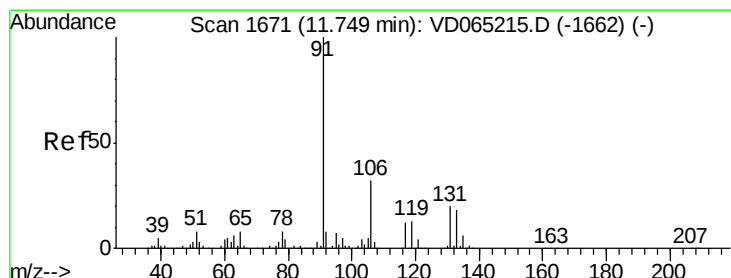
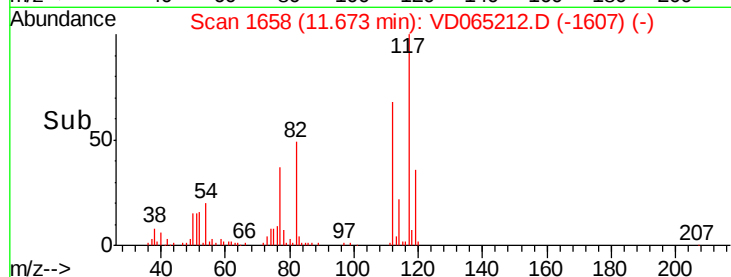
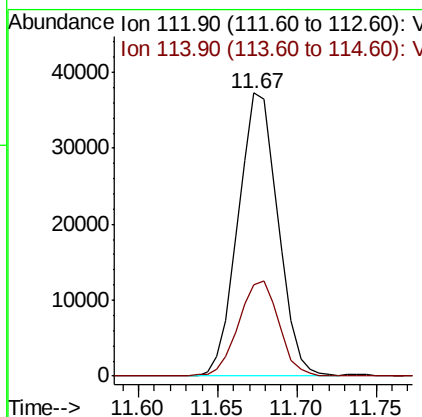
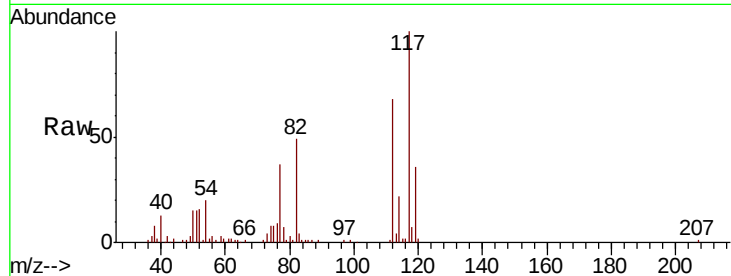




#65
Chlorobenzene
Concen: 4.954 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

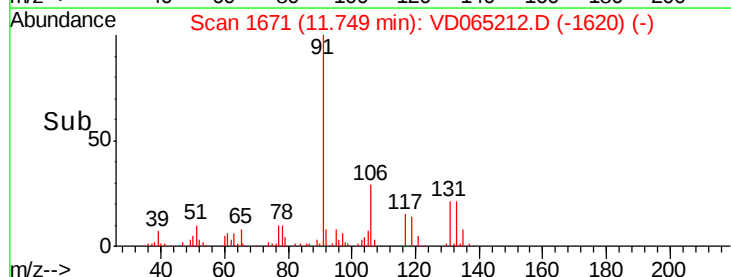
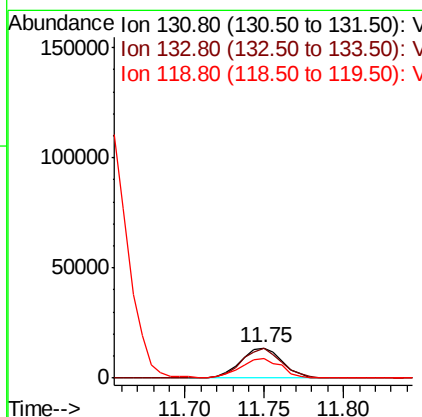
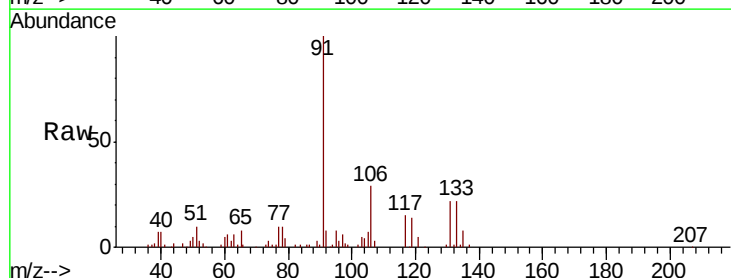
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

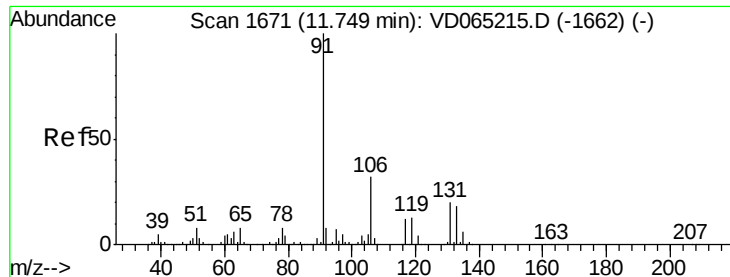
Tot Ion:112 Resp: 65389
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.055 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion:131 Resp: 24897
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 63.9 32.7 98.1

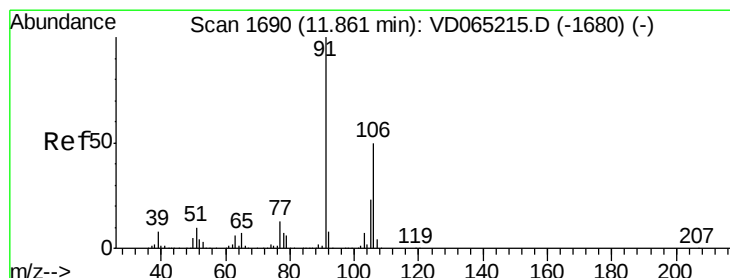
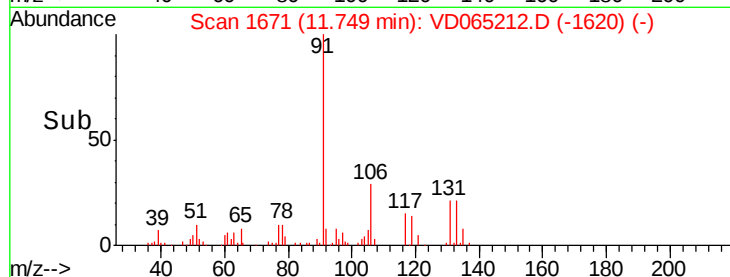
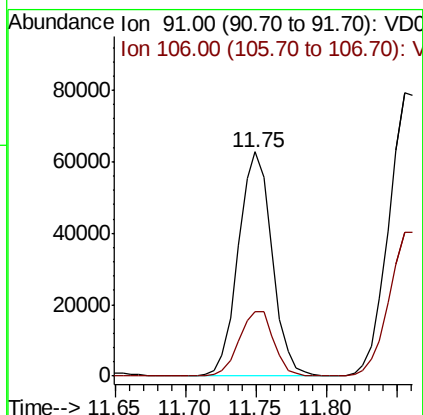
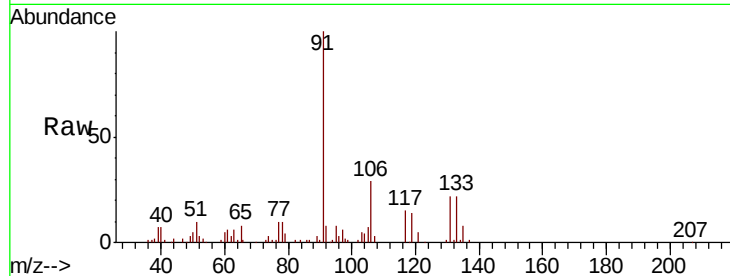




#67
Ethyl Benzene
Concen: 4.542 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

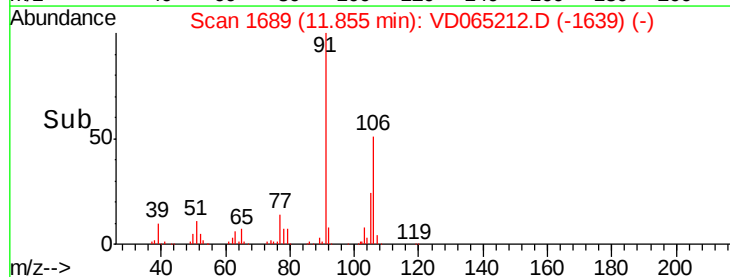
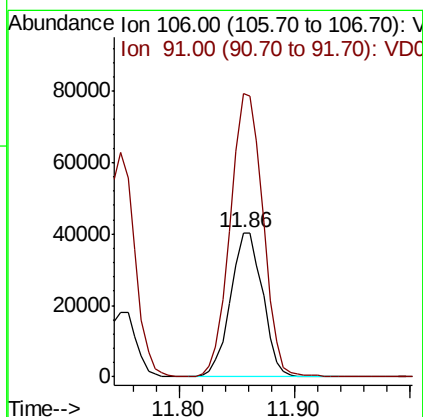
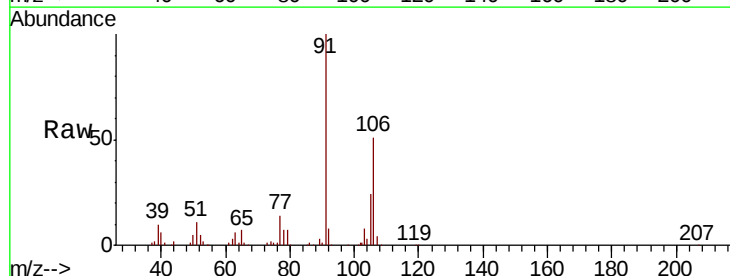
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 104991
Ion Ratio Lower Upper
91 100
106 29.0 25.2 37.8



#68
m/p-Xylenes
Concen: 8.811 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 106 Resp: 77923
Ion Ratio Lower Upper
106 100
91 200.5 158.2 237.4

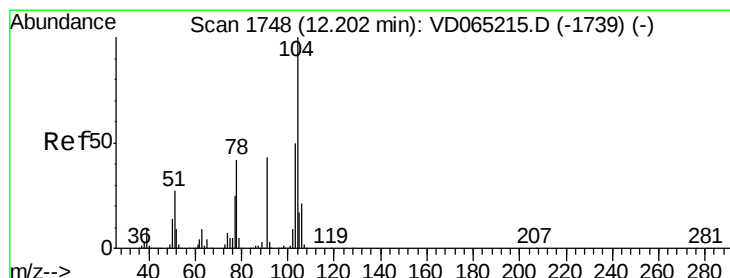
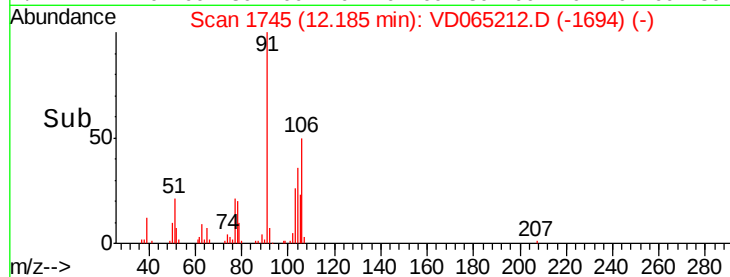
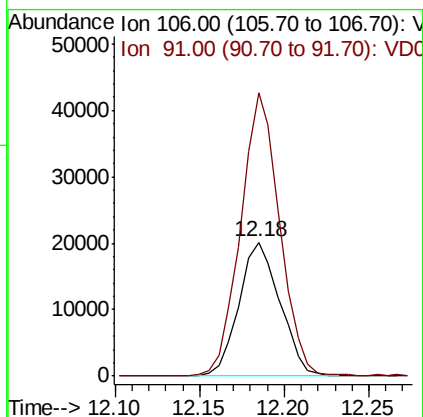
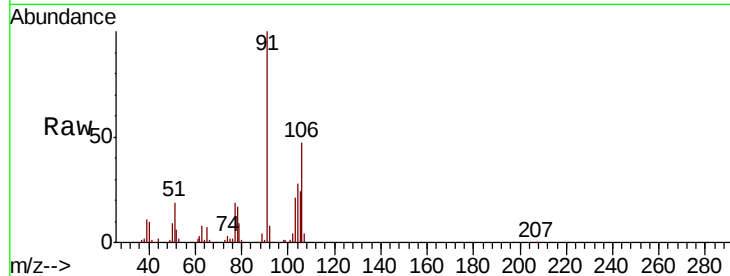




#69
o-Xylene
Concen: 4.342 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

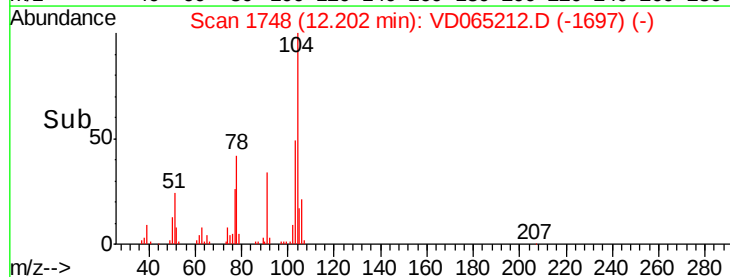
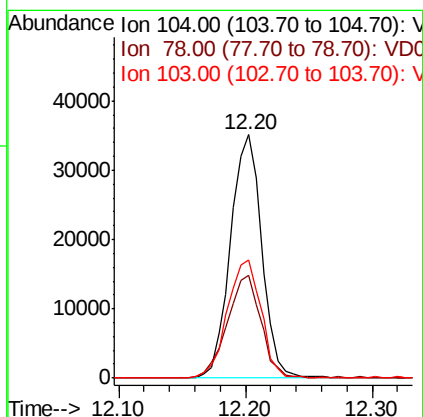
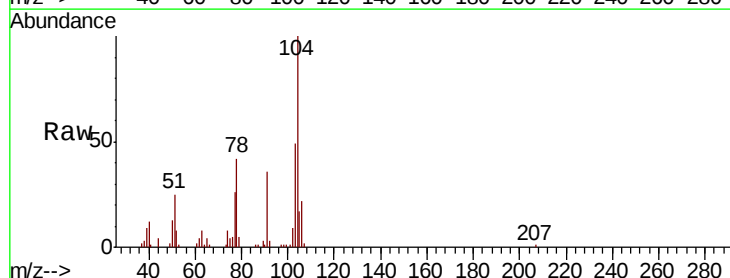
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

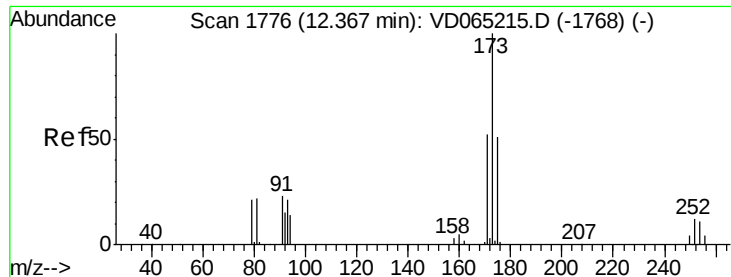
Tot Ion:106 Resp: 34020
Ion Ratio Lower Upper
106 100
91 201.7 104.7 313.9



#70
Styrene
Concen: 4.292 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion:104 Resp: 59709
Ion Ratio Lower Upper
104 100
78 45.4 37.8 56.6
103 52.5 43.4 65.2





#71

Bromoform

Concen: 4.958 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

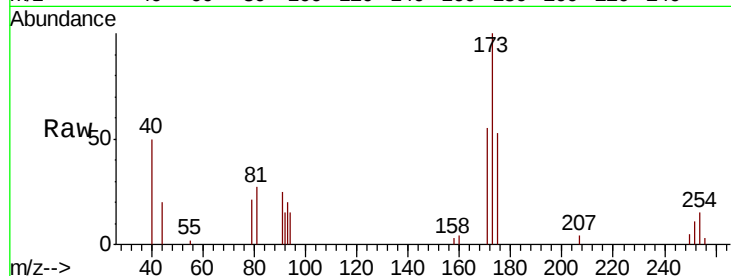
Tot Ion:173 Resp: 13549

Ion Ratio Lower Upper

173 100

175 45.6 24.4 73.4

254 0.0 0.0 0.0

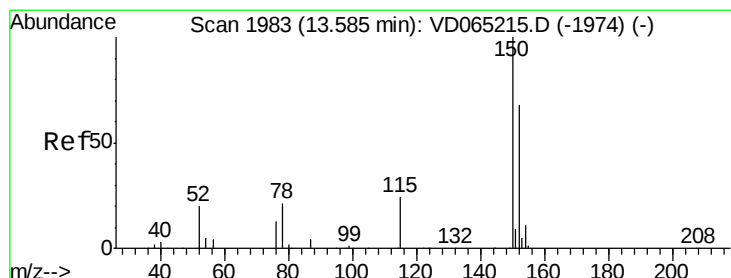
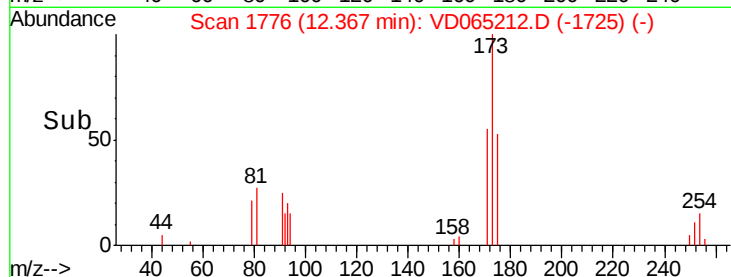
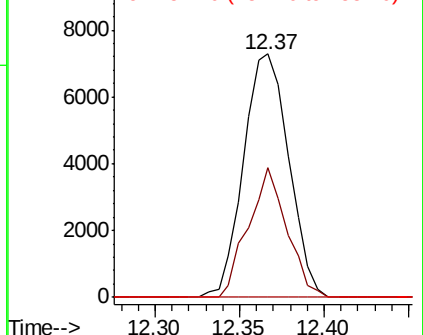


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

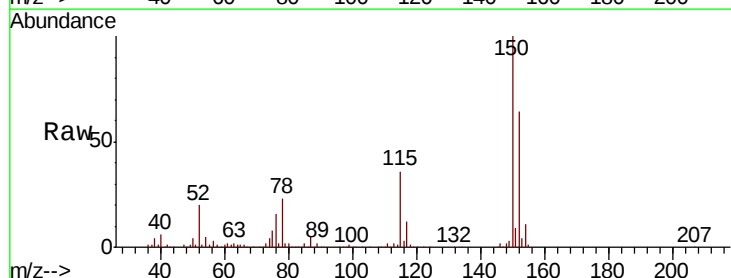
Tgt Ion:152 Resp: 316137

Ion Ratio Lower Upper

152 100

115 56.2 27.6 82.8

150 158.4 0.0 347.4

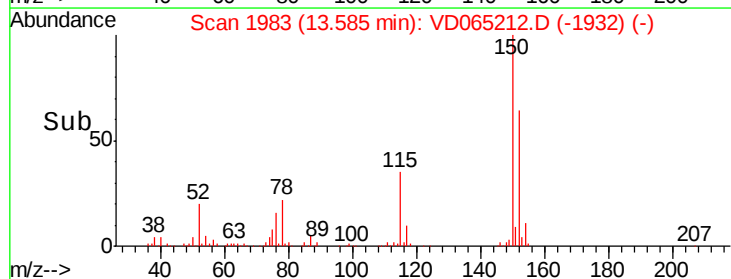
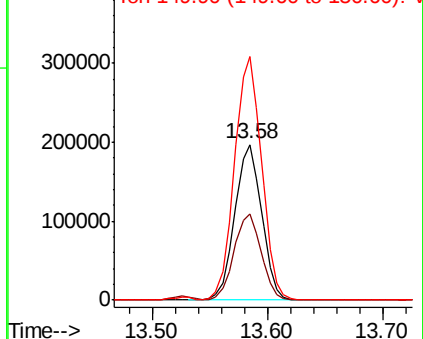


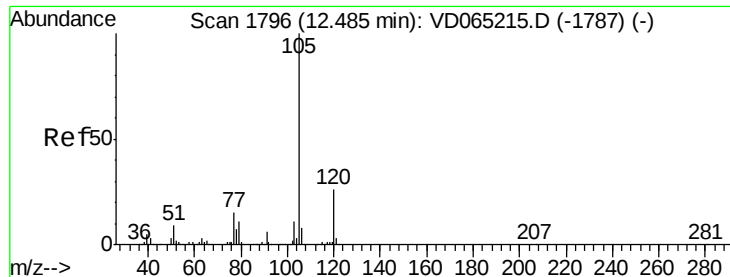
Abundance

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: 4.149 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

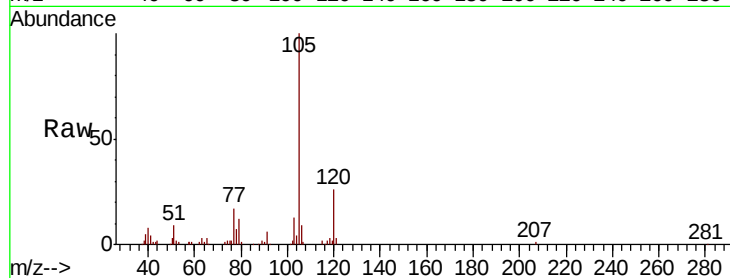
VSTDIC005

Tot Ion:105 Resp: 86838

Ion Ratio Lower Upper

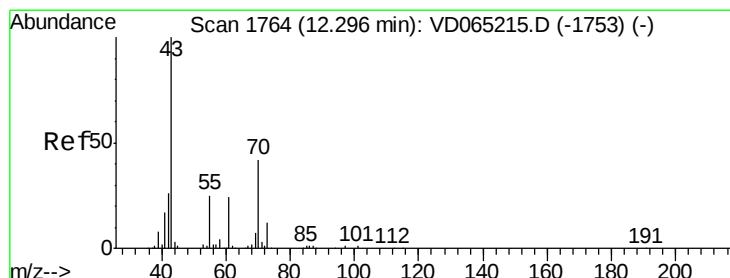
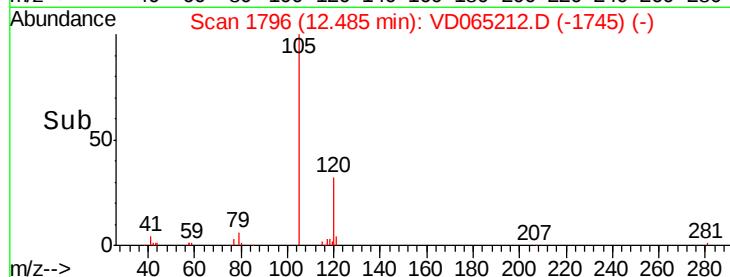
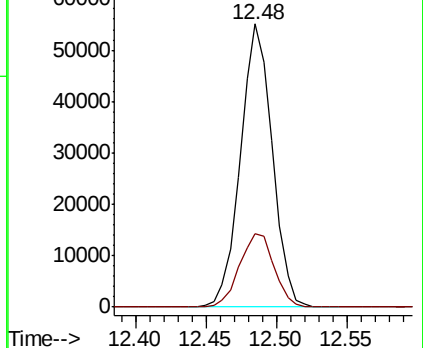
105 100

120 28.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.010 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion: 43 Resp: 18648

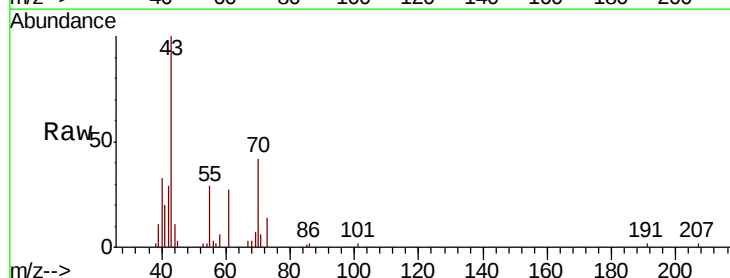
Ion Ratio Lower Upper

43 100

70 42.4 33.7 50.5

55 28.3 20.7 31.1

61 24.1 19.0 28.4

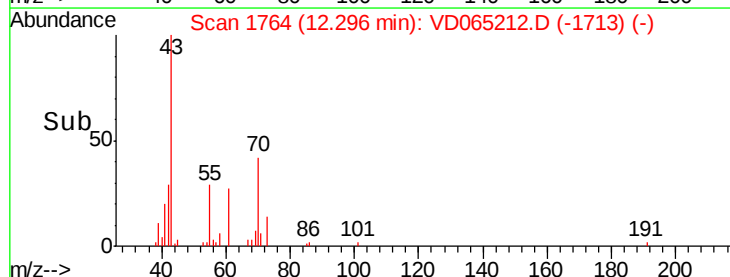
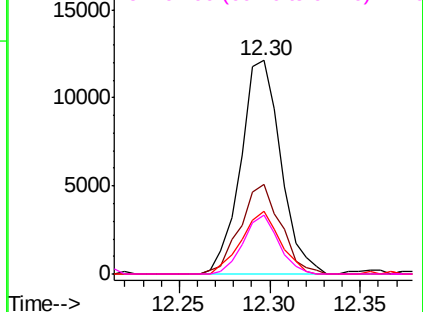


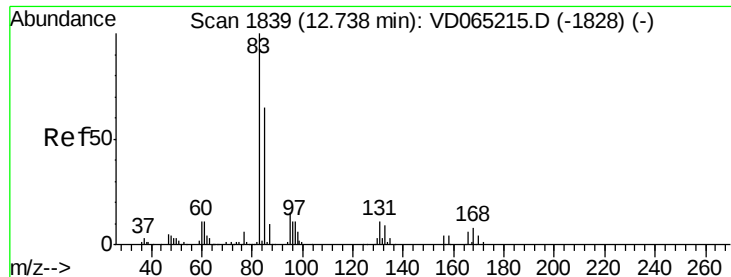
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 5.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

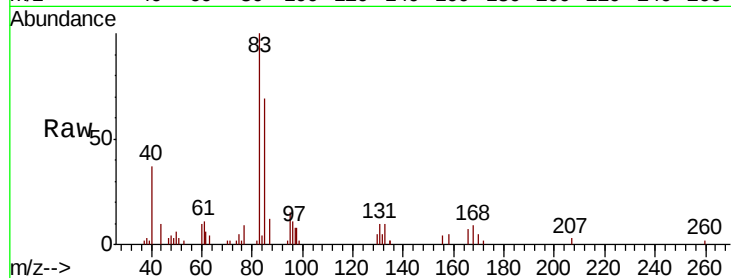
Tot Ion: 83 Resp: 19036

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

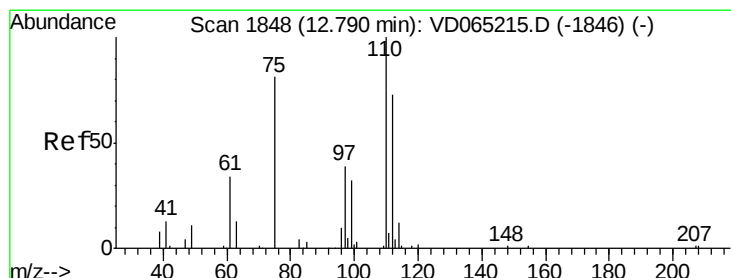
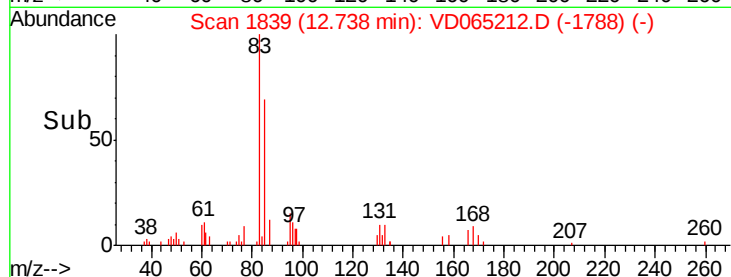
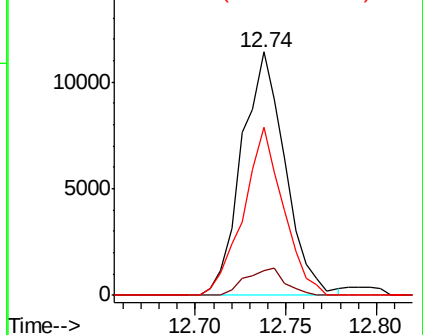
85 63.4 31.6 94.8



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: 5.246 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065212.D

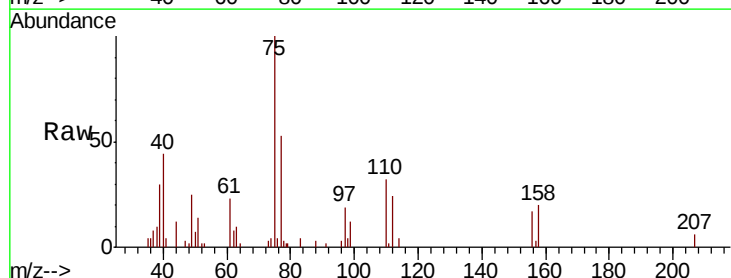
Acq: 18 Feb 2020 10:34

Tgt Ion: 75 Resp: 23769

Ion Ratio Lower Upper

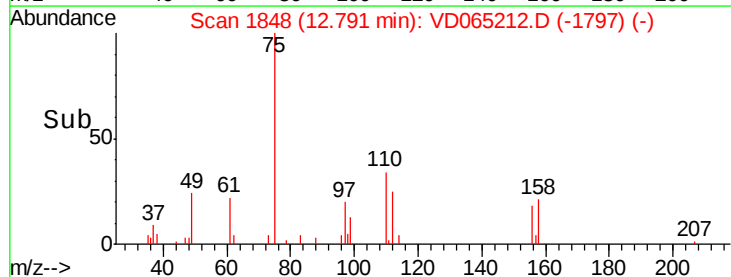
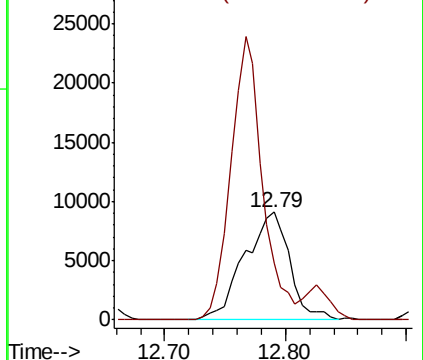
75 100

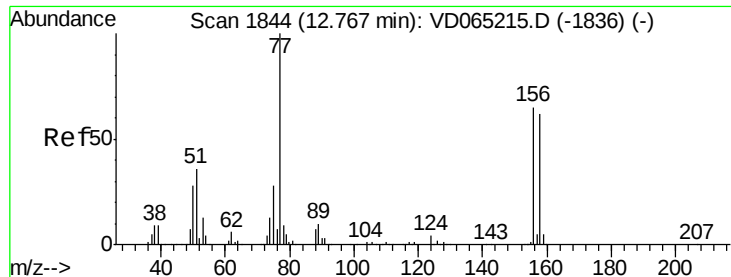
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.705 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

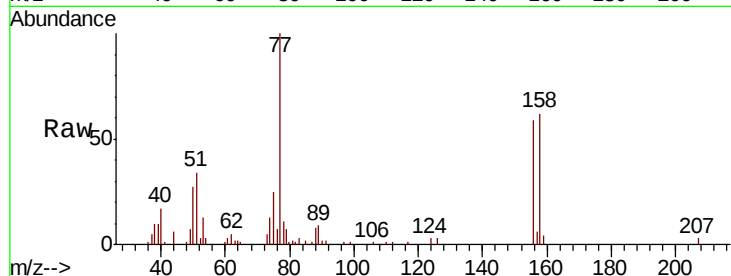
Tot Ion:156 Resp: 24454

Ion Ratio Lower Upper

156 100

77 177.7 86.6 259.7

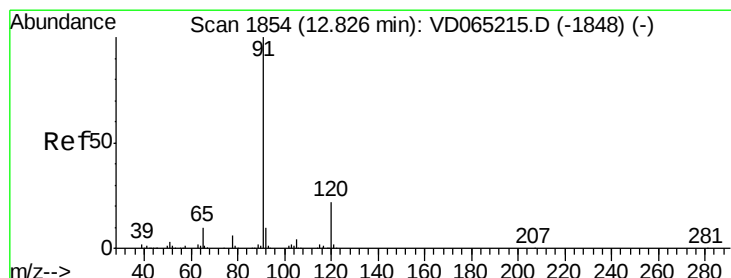
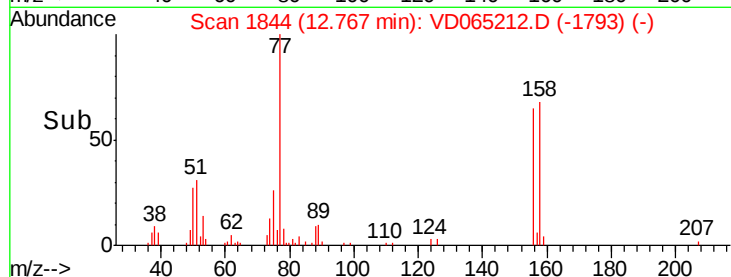
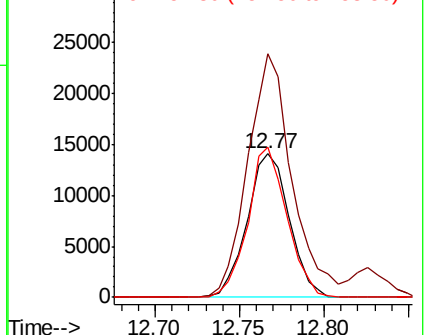
158 97.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.419 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065212.D

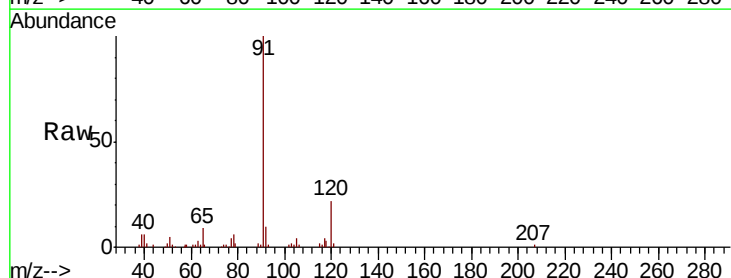
Acq: 18 Feb 2020 10:34

Tgt Ion: 91 Resp: 111149

Ion Ratio Lower Upper

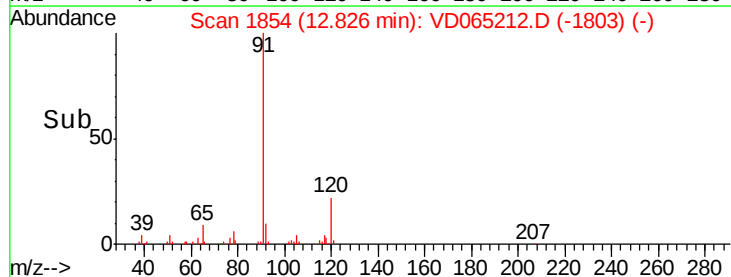
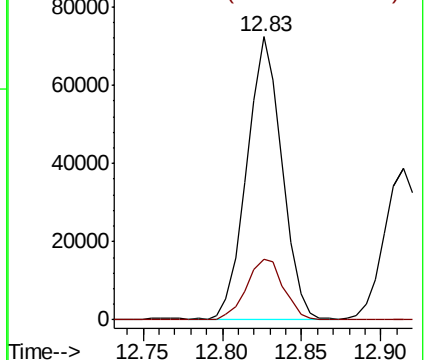
91 100

120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

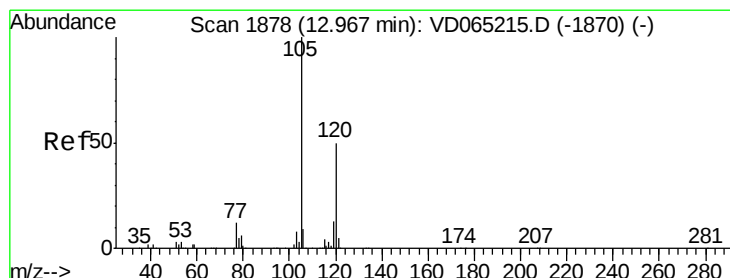
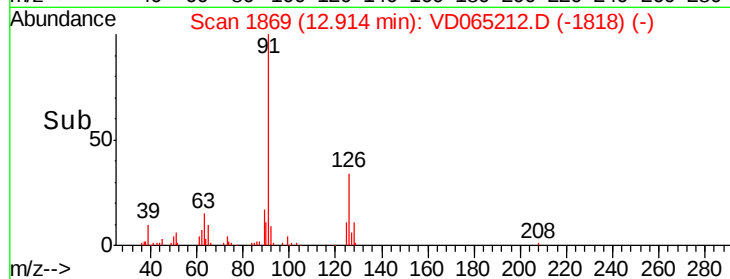
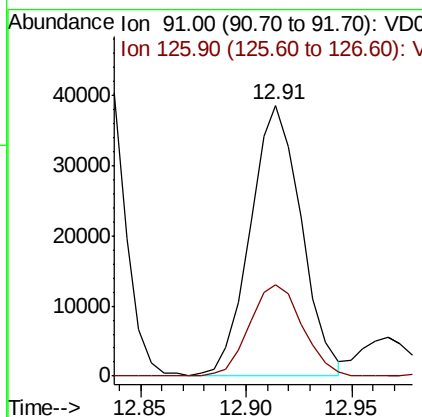
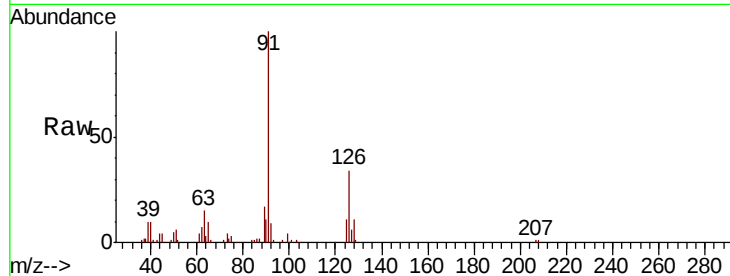




#79
 2-Chlorotoluene
 Concen: 4.577 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

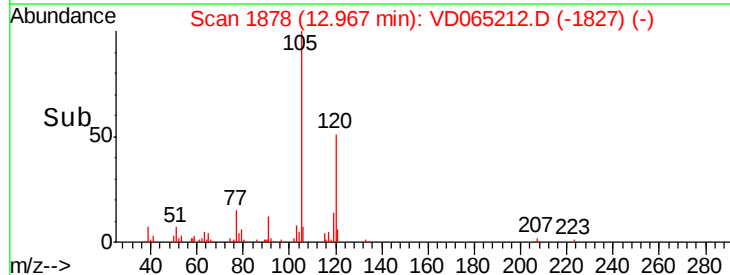
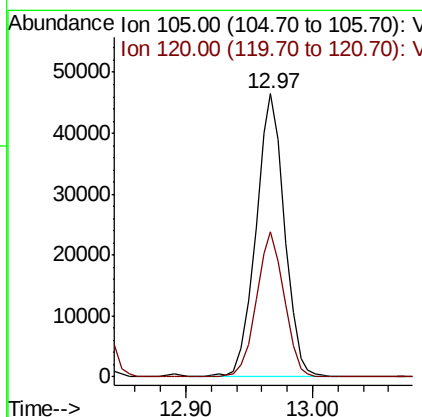
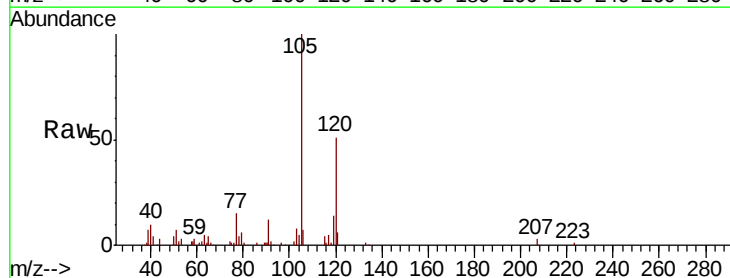
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

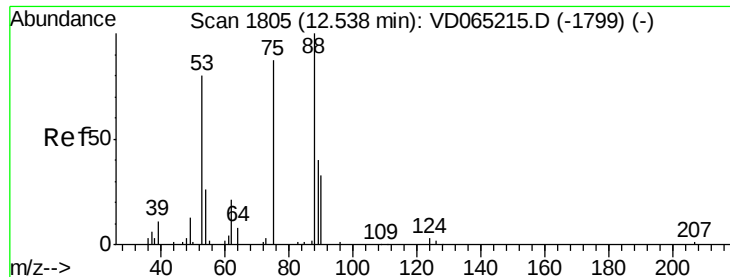
Tot Ion: 91 Resp: 64492
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 4.242 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion: 105 Resp: 73126
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.447 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

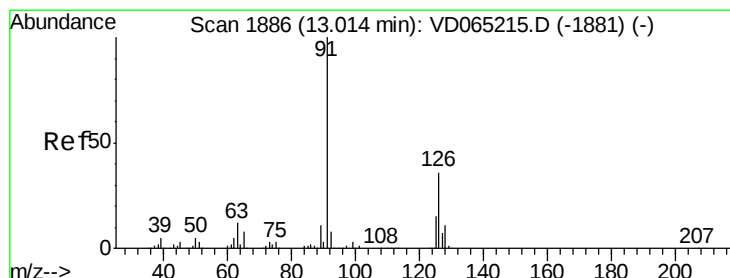
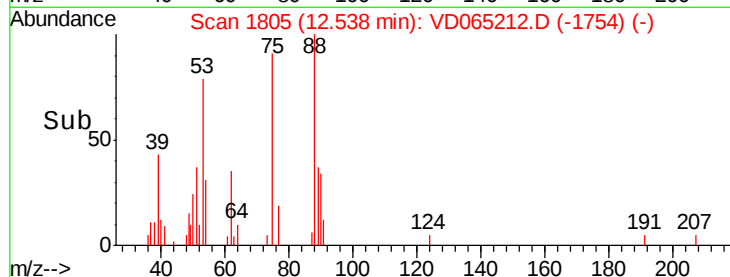
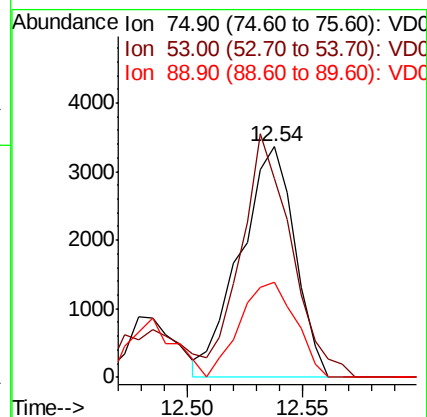
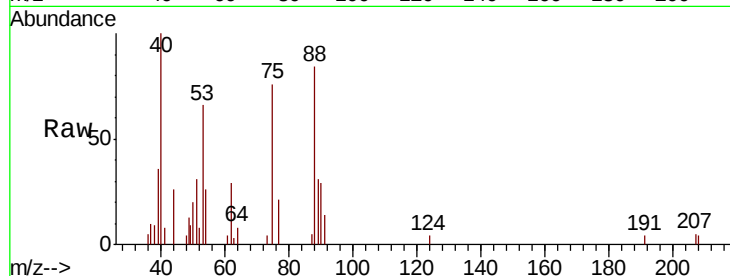
Tot Ion: 75 Resp: 5540

Ion Ratio Lower Upper

75 100

53 96.4 77.6 116.4

89 41.8 37.2 55.8



#82

4-Chlorotoluene

Concen: 4.645 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065212.D

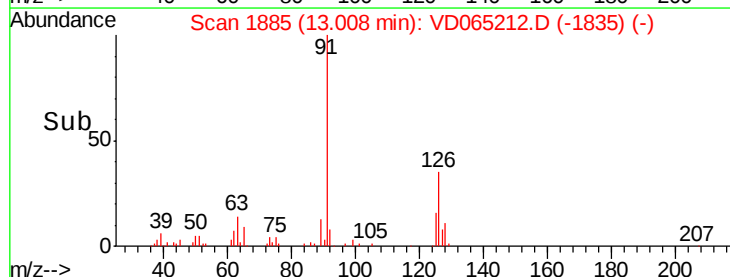
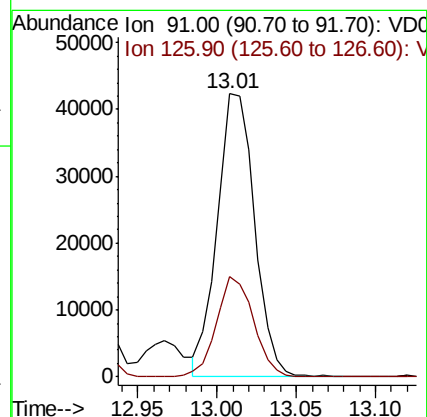
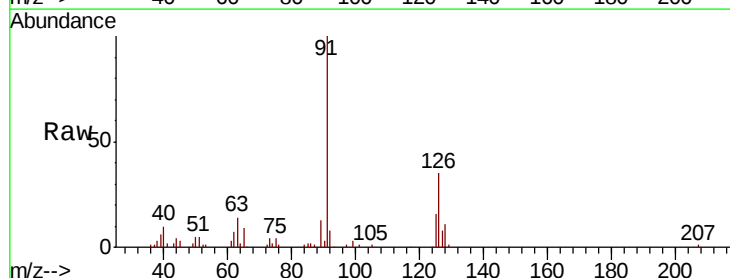
Acq: 18 Feb 2020 10:34

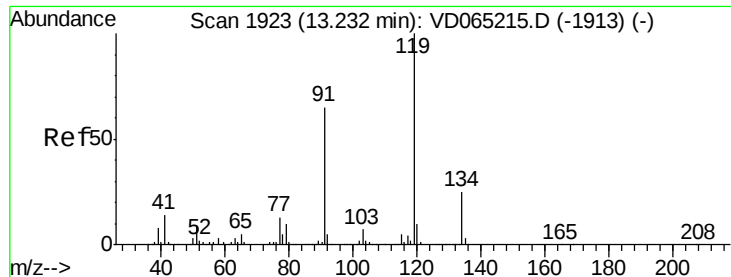
Tgt Ion: 91 Resp: 69476

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3

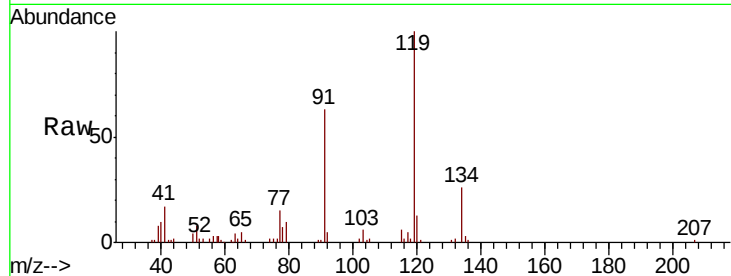




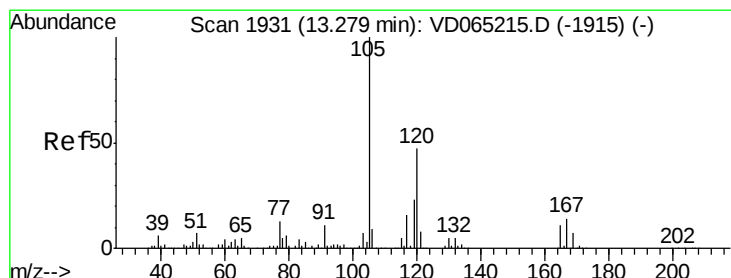
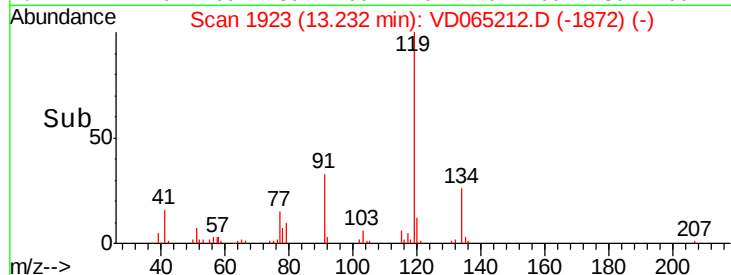
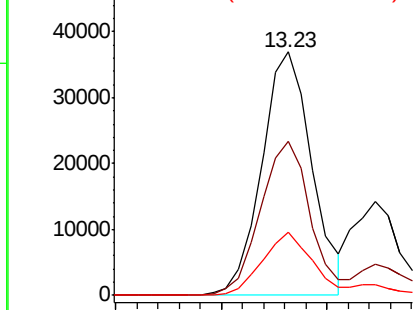
#83
tert-Butylbenzene
Concen: 4.231 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 61132
Ion Ratio Lower Upper
119 100
91 62.2 31.9 95.5
134 26.1 13.8 41.3

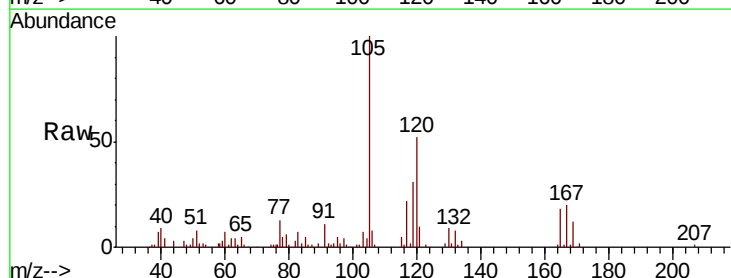


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

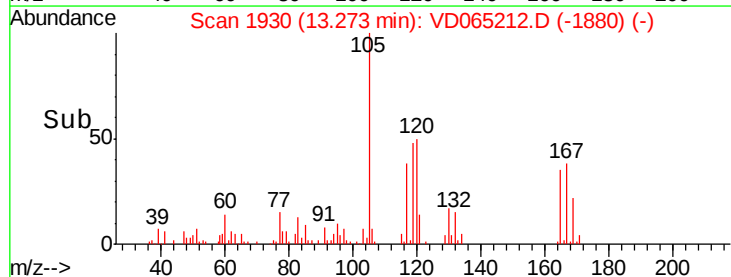
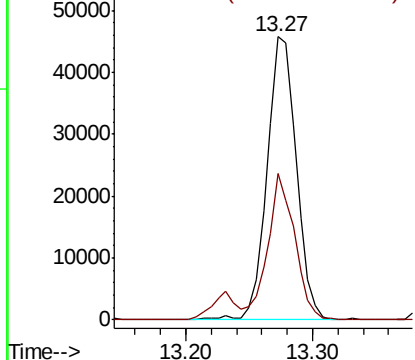


#84
1,2,4-Trimethylbenzene
Concen: 4.261 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion:105 Resp: 73522
Ion Ratio Lower Upper
105 100
120 47.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

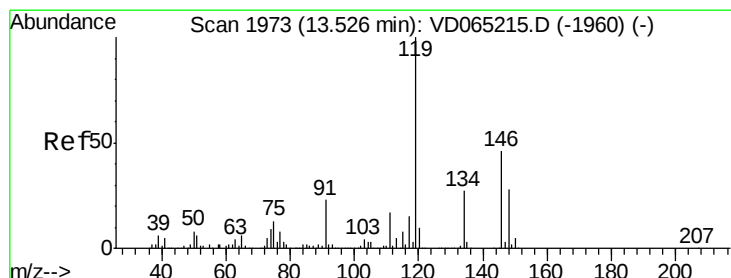
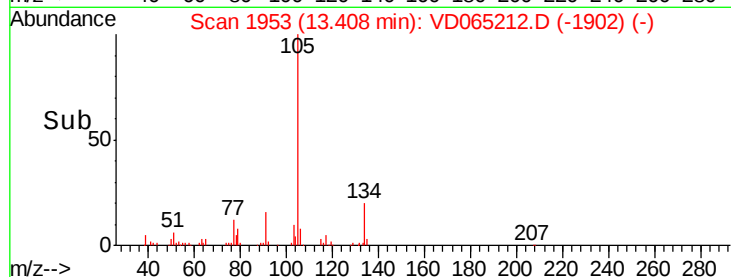
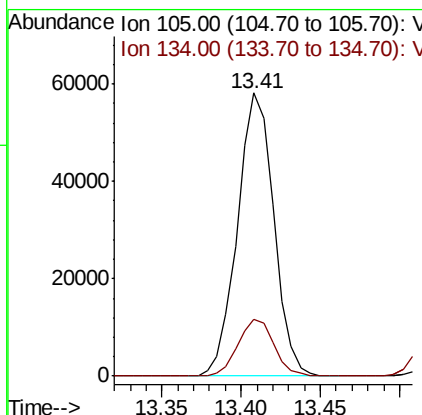
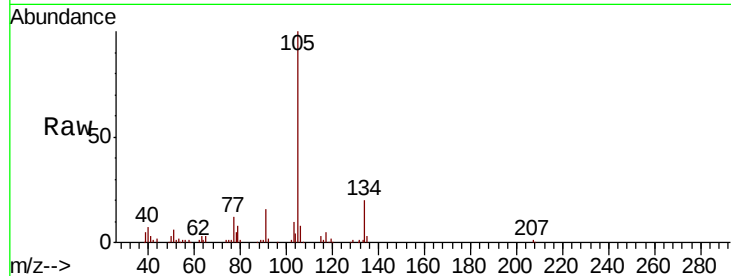




#85
 sec-Butylbenzene
 Concen: 4.444 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

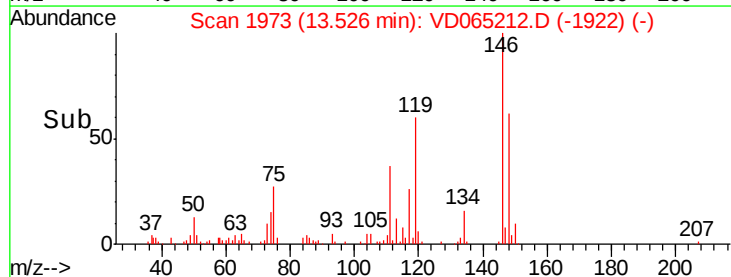
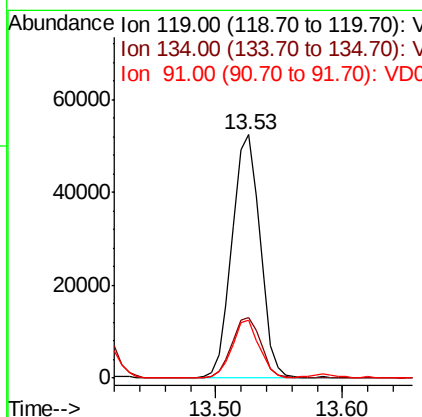
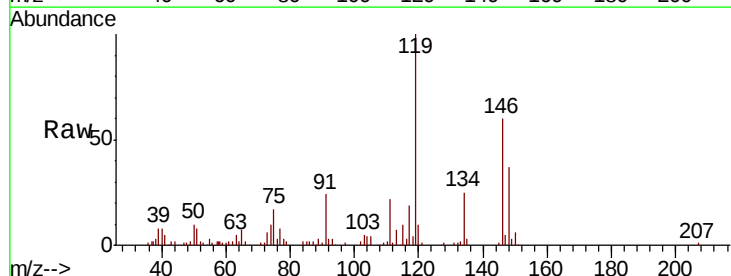
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

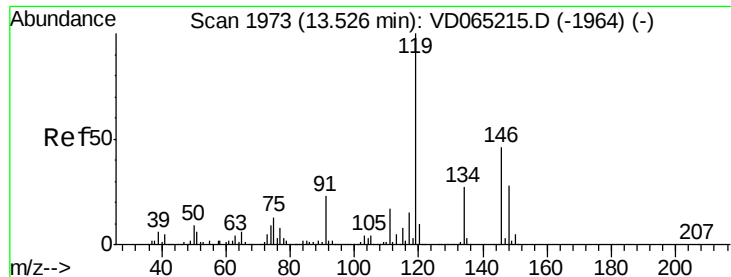
Tot Ion:105 Resp: 92521
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 4.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion:119 Resp: 80421
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 23.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 4.871 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

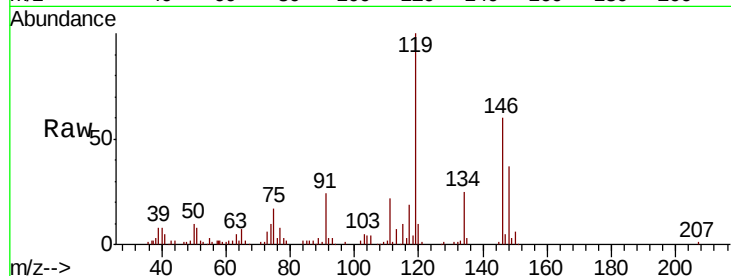
Tot Ion:146 Resp: 48942

Ion Ratio Lower Upper

146 100

111 40.4 18.6 55.8

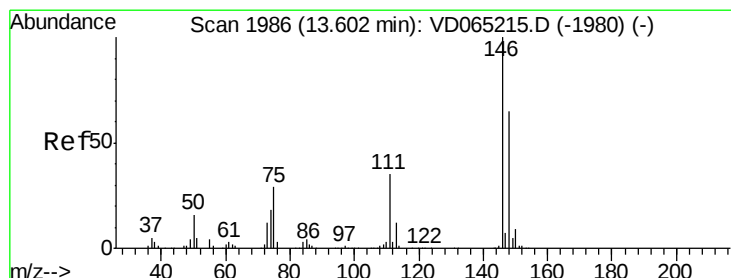
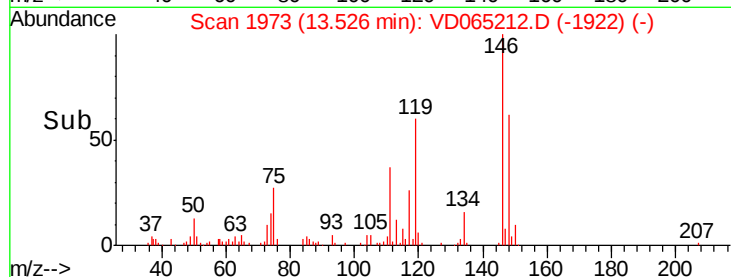
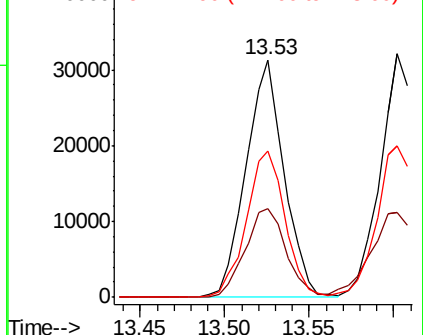
148 62.8 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.998 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

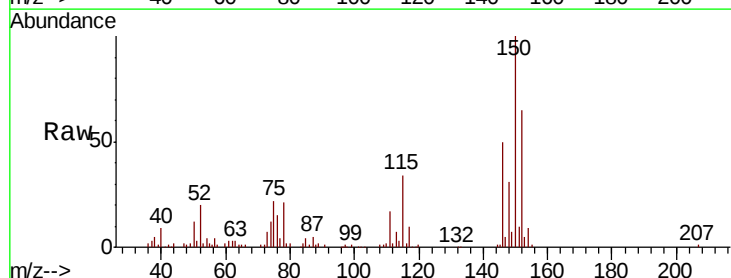
Tgt Ion:146 Resp: 49559

Ion Ratio Lower Upper

146 100

111 43.7 18.4 55.2

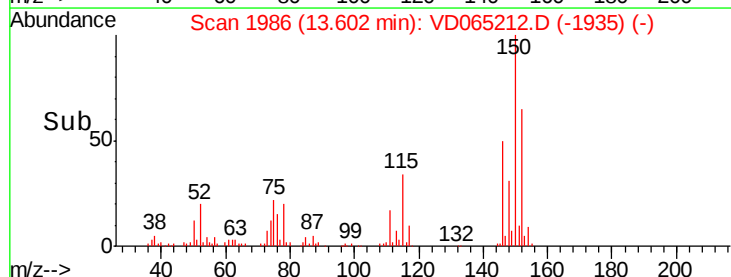
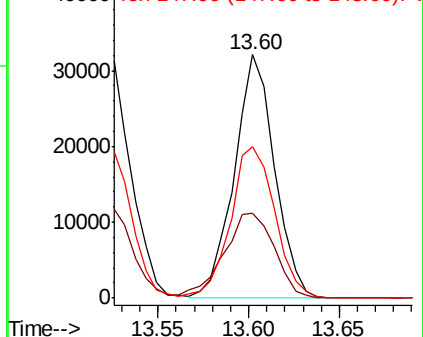
148 68.7 32.1 96.5

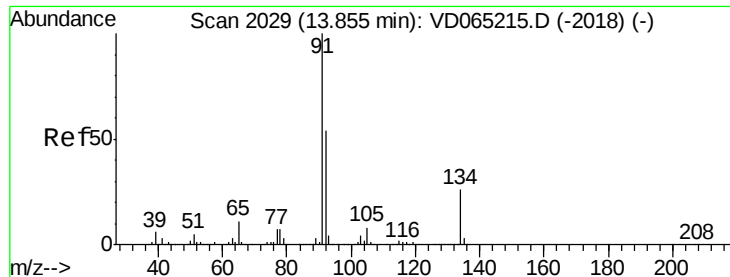


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

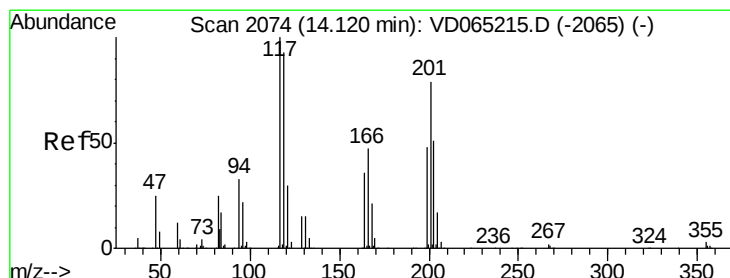
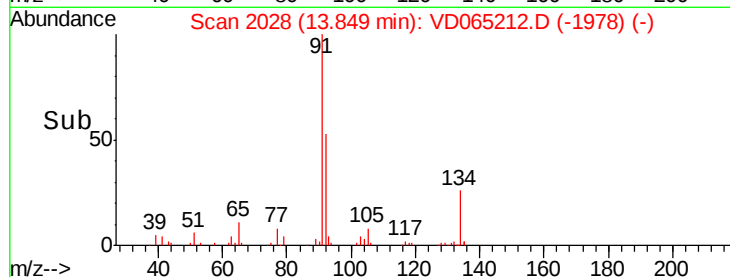
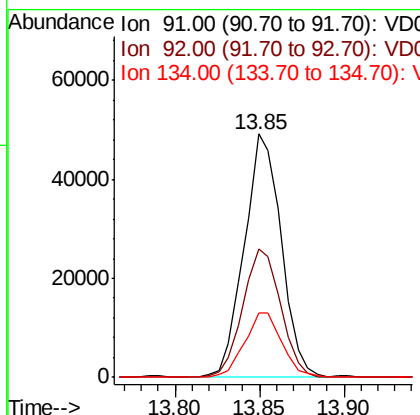
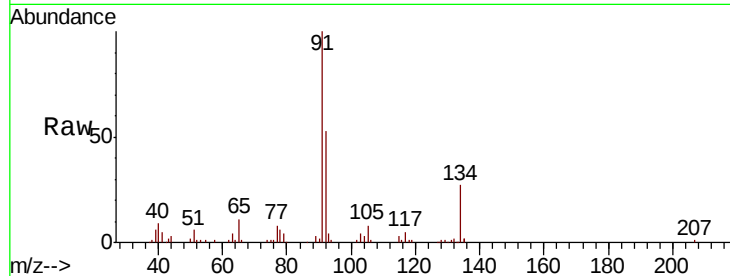




#89
n-Butylbenzene
Concen: 4.292 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

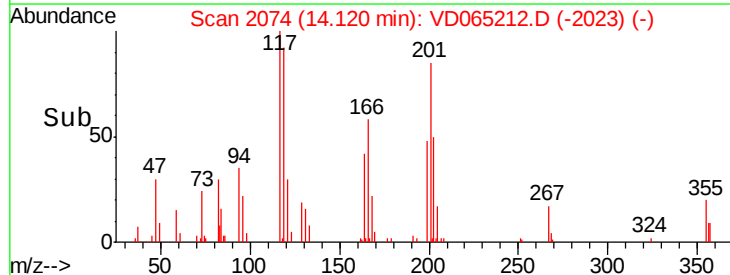
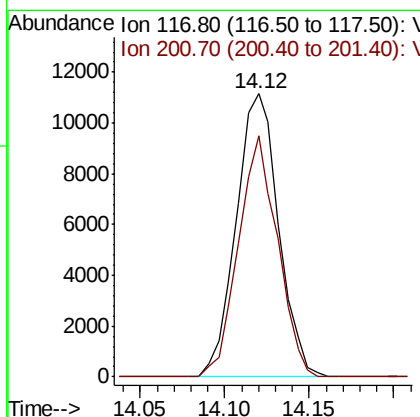
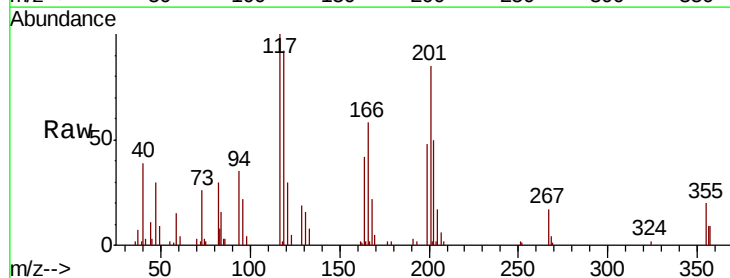
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 75301
Ion Ratio Lower Upper
91 100
92 53.9 27.0 80.8
134 26.8 13.5 40.4



#90
Hexachloroethane
Concen: 5.042 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 117 Resp: 19490
Ion Ratio Lower Upper
117 100
201 78.7 41.3 124.1

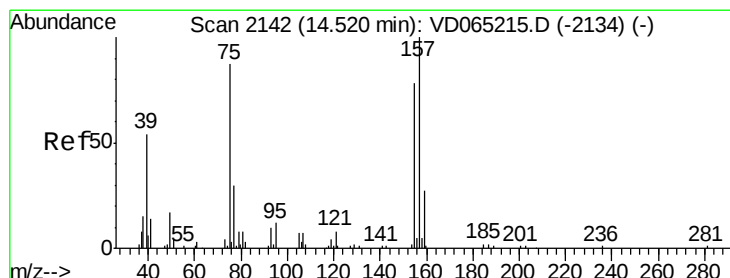
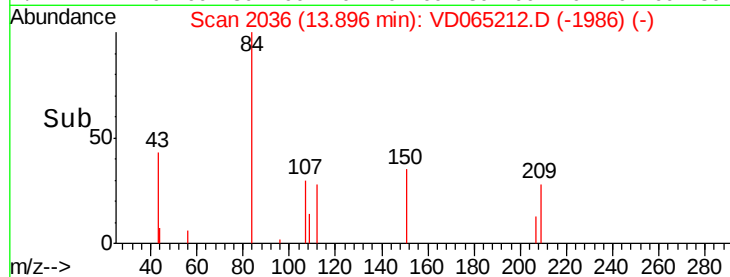
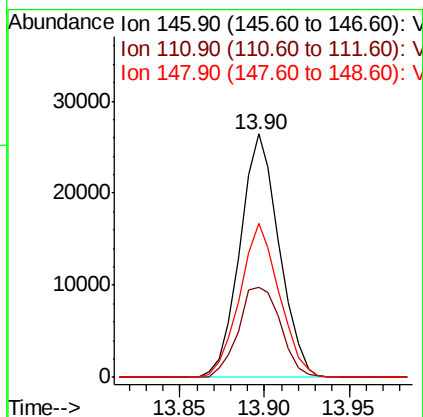
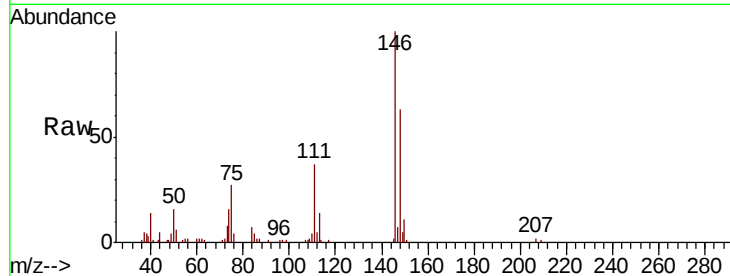




#91
 1,2-Dichlorobenzene
 Concen: 4.930 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

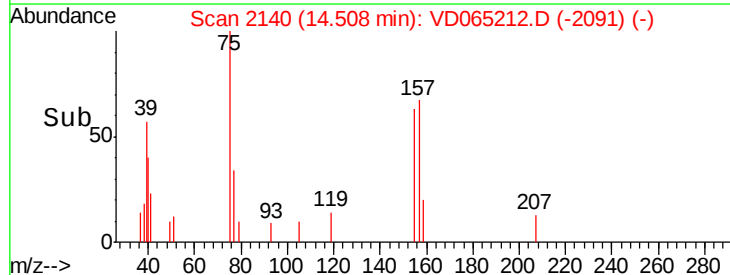
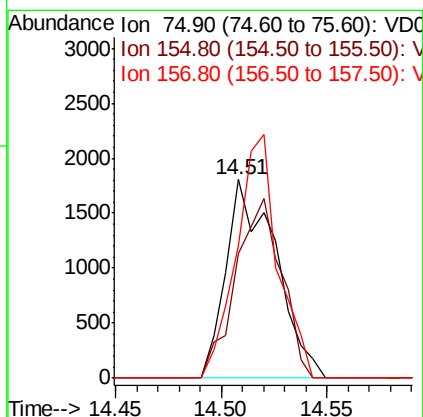
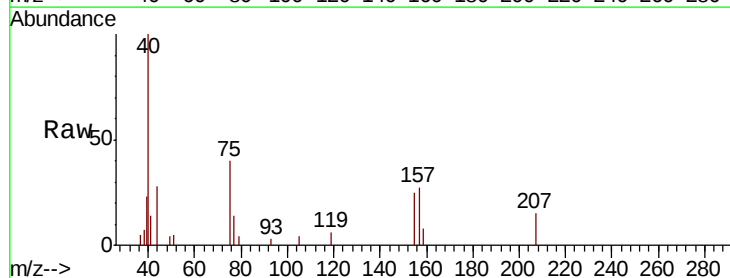
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.056 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	42.3	126.9
157	101.9	56.7	170.1

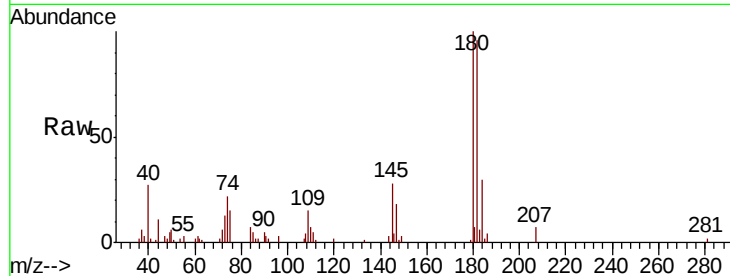




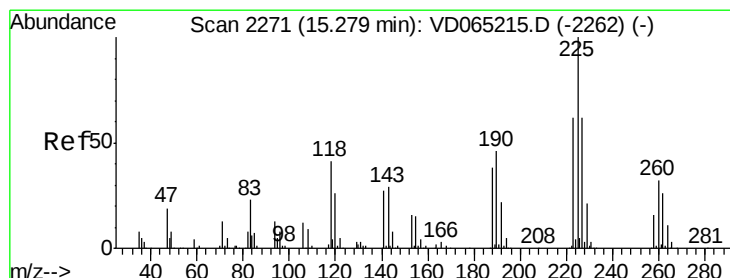
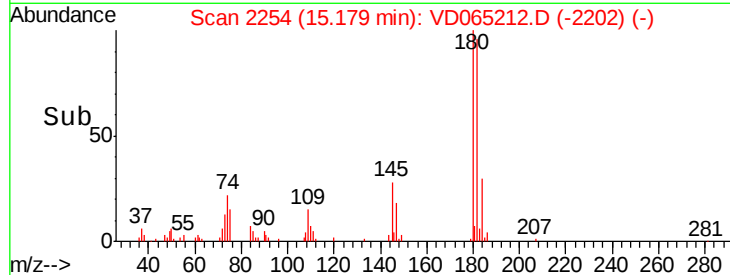
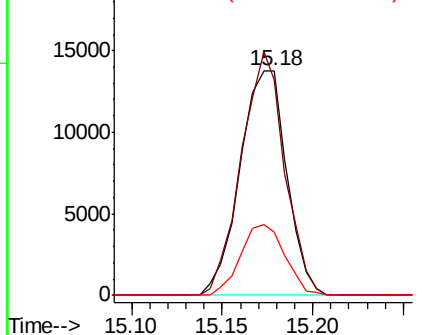
#93
 1,2,4-Trichlorobenzene
 Concen: 4.384 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	46.9	140.6
145	29.9	13.9	41.7

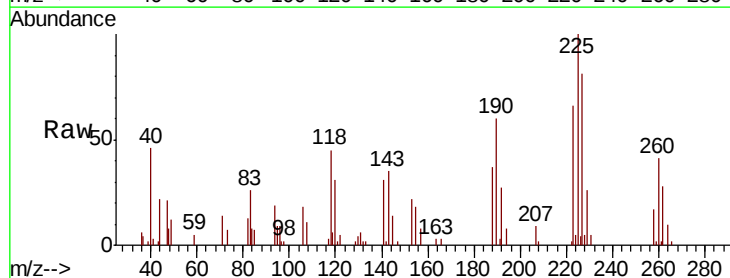


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

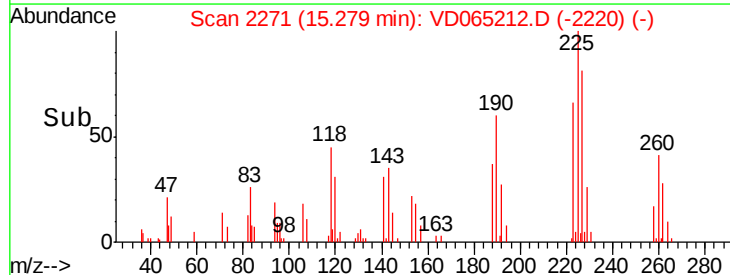
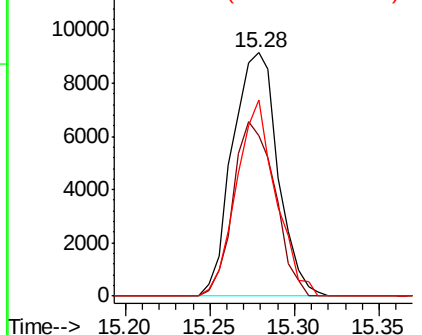


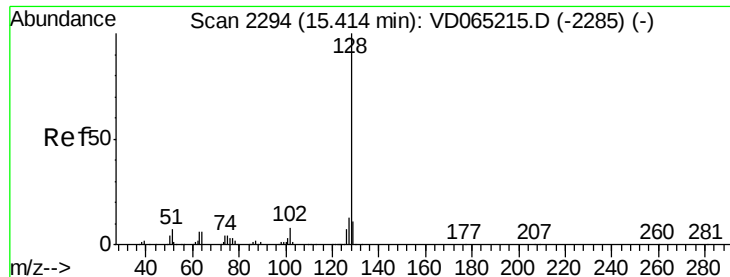
#94
 Hexachlorobutadiene
 Concen: 4.731 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.4	94.2
227	70.0	31.7	95.1



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





#95

Naphthalene

Concen: 3.805 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

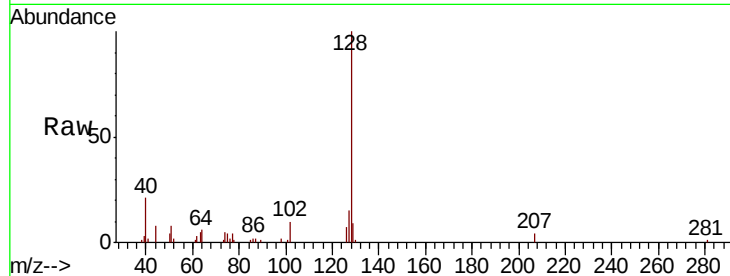
Tot Ion:128 Resp: 34906

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

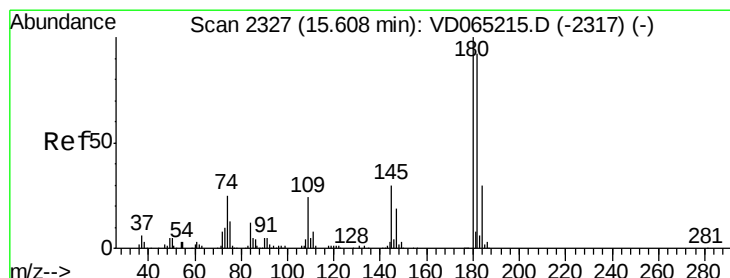
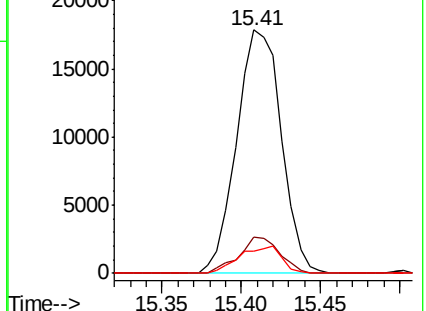
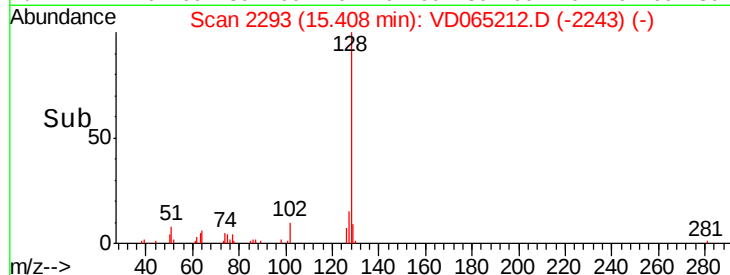
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.449 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

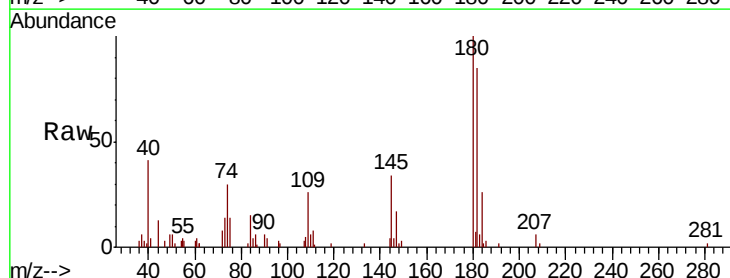
Tgt Ion:180 Resp: 21928

Ion Ratio Lower Upper

180 100

182 96.2 46.9 140.6

145 31.4 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

