

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064587.D
 Acq On : 24 Dec 2019 13:20
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 17:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	638081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	545148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	192711	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	7.91	113	193065	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.34	98	765243	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.64	95	235594	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	179459	50.657	ug/l	96
3) Chloromethane	2.21	50	256534	51.777	ug/l	99
4) Vinyl Chloride	2.35	62	298615	49.432	ug/l	100
5) Bromomethane	2.77	94	203124	46.245	ug/l	96
6) Chloroethane	2.93	64	201123	49.687	ug/l	99
7) Trichlorofluoromethane	3.27	101	506932	49.838	ug/l	100
8) Diethyl Ether	3.70	74	94143	46.609	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	214726	50.974	ug/l	99
10) Methyl Iodide	4.29	142	221126	48.869	ug/l	100
11) Tert butyl alcohol	5.25	59	59642	258.900	ug/l	97
12) 1,1-Dichloroethene	4.06	96	201402	50.219	ug/l	98
13) Acrolein	3.92	56	78988	246.030	ug/l	99
14) Allyl chloride	4.71	41	310285	49.623	ug/l	99
15) Acrylonitrile	5.43	53	197954	235.284	ug/l	98
16) Acetone	4.16	43	225777	268.961	ug/l	95
17) Carbon Disulfide	4.40	76	638763	49.257	ug/l	100
18) Methyl Acetate	4.73	43	104486	46.171	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	427322	47.971	ug/l	96
20) Methylene Chloride	4.96	84	207650	50.566	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226409	49.571	ug/l	98
22) Diisopropyl ether	6.37	45	597814	47.933	ug/l	94
23) Vinyl Acetate	6.31	43	1760031	248.774	ug/l	99
24) 1,1-Dichloroethane	6.26	63	370270	49.453	ug/l	100
25) 2-Butanone	7.22	43	271989	246.166	ug/l	97
26) 2,2-Dichloropropane	7.21	77	351816	50.539	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241747	49.044	ug/l	100
28) Bromochloromethane	7.55	49	152593	52.428	ug/l	98
29) Tetrahydrofuran	7.57	42	161427	234.936	ug/l	100
30) Chloroform	7.71	83	383979	48.881	ug/l	95
31) Cyclohexane	7.98	56	360550	48.107	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	364360	49.382	ug/l	98
36) 1,1-Dichloropropene	8.11	75	318144	51.802	ug/l	99
37) Ethyl Acetate	7.30	43	121424	50.327	ug/l	99
38) Carbon Tetrachloride	8.10	117	342591	52.315	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	395245	53.135	ug/l	98
40) Benzene	8.35	78	849180	50.650	ug/l	96
41) Methacrylonitrile	7.53	41	70857	50.617	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	234498	48.401	ug/l	99
43) Isopropyl Acetate	8.46	43	231685	48.245	ug/l	98
44) Trichloroethene	9.11	130	249277	50.612	ug/l	99
45) 1,2-Dichloropropane	9.39	63	201276	50.281	ug/l	95
46) Dibromomethane	9.48	93	110526	49.523	ug/l	96
47) Bromodichloromethane	9.66	83	290018	48.834	ug/l	94
48) Methyl methacrylate	9.46	41	107408	47.501	ug/l	92
49) 1,4-Dioxane	9.47	88	24125	937.461	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	579721	244.231	ug/l	99
52) Toluene	10.40	92	562764	51.162	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	283423	51.188	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	334529	51.240	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	147544	49.055	ug/l	97
56) Ethyl methacrylate	10.66	69	185916	49.494	ug/l	99
57) 1,3-Dichloropropane	10.95	76	252245	48.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	337068	235.527	ug/l	99
59) 2-Hexanone	10.98	43	418599	259.829	ug/l	100
60) Dibromochloromethane	11.14	129	204860	49.253	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145615	49.085	ug/l	99
64) Tetrachloroethene	10.87	164	222669	53.241	ug/l	98
65) Chlorobenzene	11.67	112	573447	50.683	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	225722	52.920	ug/l	97
67) Ethyl Benzene	11.74	91	1080018	52.590	ug/l	99
68) m/p-Xylenes	11.86	106	844462	106.535	ug/l	99
69) o-Xylene	12.18	106	377023	52.659	ug/l	99
70) Styrene	12.20	104	651343	51.828	ug/l	99
71) Bromoform	12.37	173	123254	50.671	ug/l #	99
73) Isopropylbenzene	12.48	105	1032159	52.569	ug/l	100
74) N-amyl acetate	12.29	43	215108	51.252	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	151353	49.071	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	206053	94.973	ug/l #	100
77) Bromobenzene	12.77	156	244810	50.744	ug/l	98
78) n-propylbenzene	12.83	91	1215746	53.076	ug/l	99
79) 2-Chlorotoluene	12.91	91	643138	51.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	849941	52.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51646	49.786	ug/l	99
82) 4-Chlorotoluene	13.01	91	688917	51.447	ug/l	99
83) tert-Butylbenzene	13.23	119	751647	53.675	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	849301	52.873	ug/l	97
85) sec-Butylbenzene	13.41	105	1036137	53.970	ug/l	99
86) p-Isopropyltoluene	13.53	119	976869	53.215	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474425	51.585	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464584	51.421	ug/l	100
89) n-Butylbenzene	13.85	91	902547	54.596	ug/l	100
90) Hexachloroethane	14.12	117	179938	51.314	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	397547	50.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25224	50.447	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

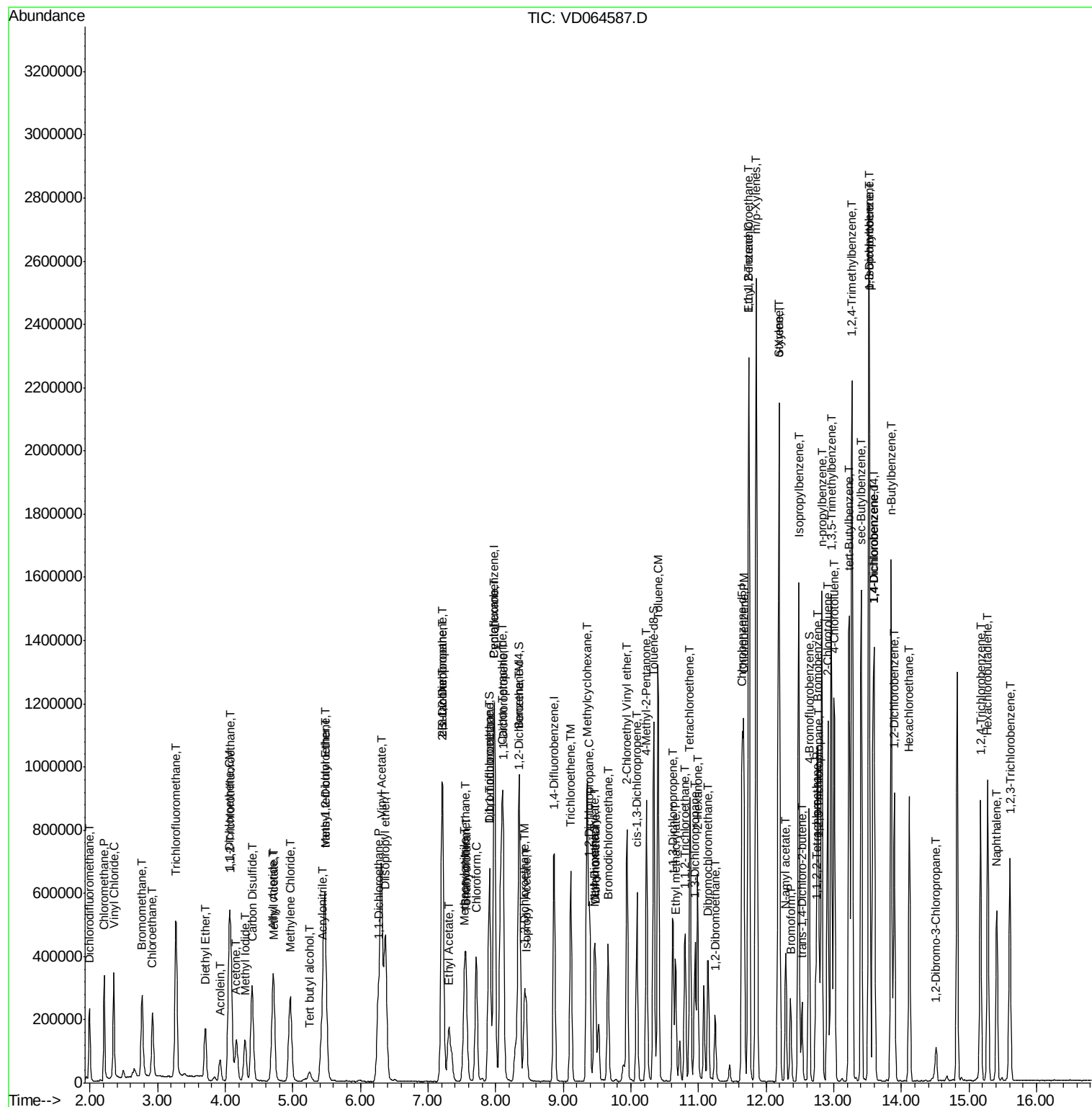
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	305604	52.924	ug/l	98
94) Hexachlorobutadiene	15.28	225	195274	53.740	ug/l	99
95) Naphthalene	15.41	128	478311	52.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257738	52.284	ug/l	100

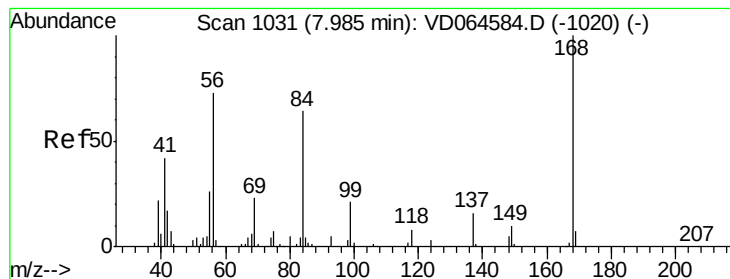
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_D
 ClientSampled :

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

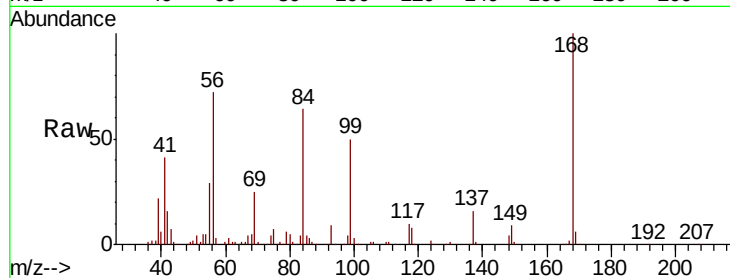
ClientSampleId :

Tot Ion:168 Resp: 455850

Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

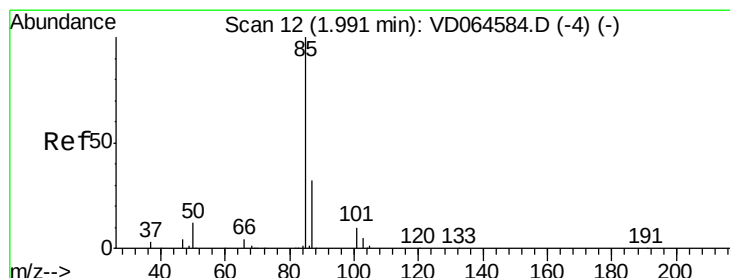
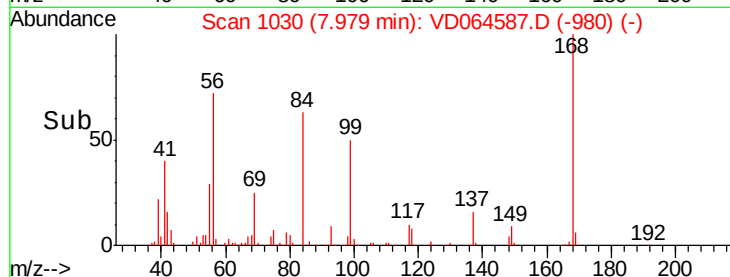
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.657 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064587.D

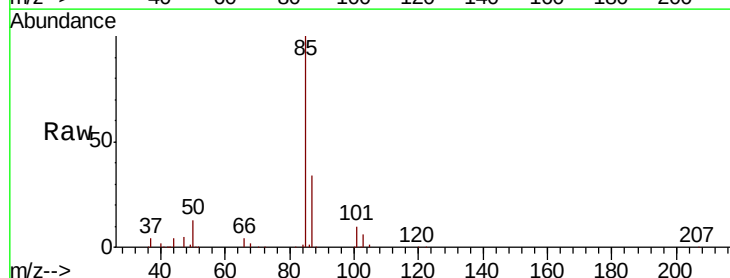
Acq: 24 Dec 2019 13:20

Tgt Ion: 85 Resp: 179459

Ion Ratio Lower Upper

85 100

87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

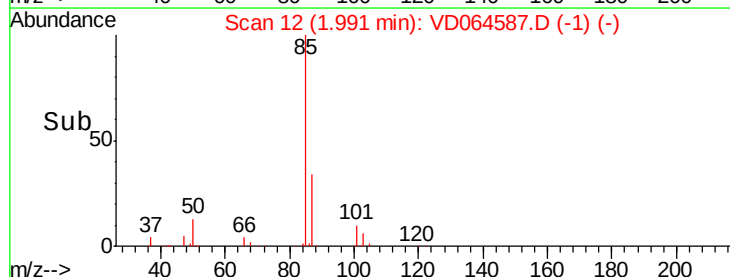
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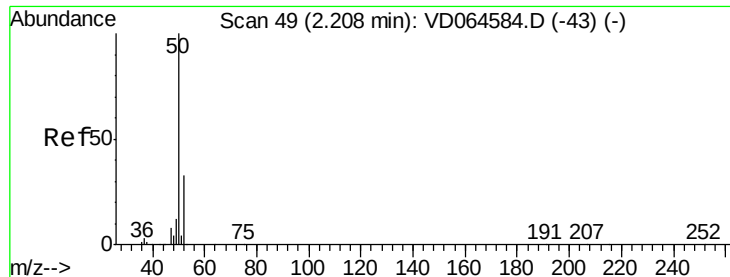
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.777 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

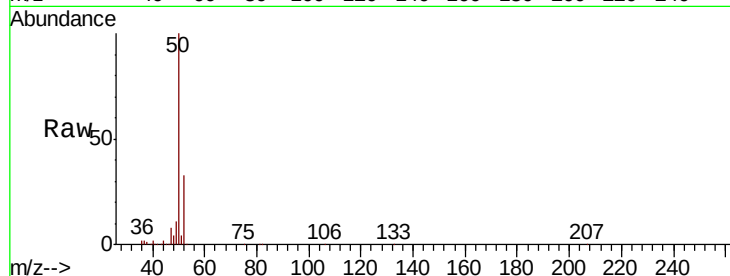
ClientSampleId :

Tot Ion: 50 Resp: 256534

Ion Ratio Lower Upper

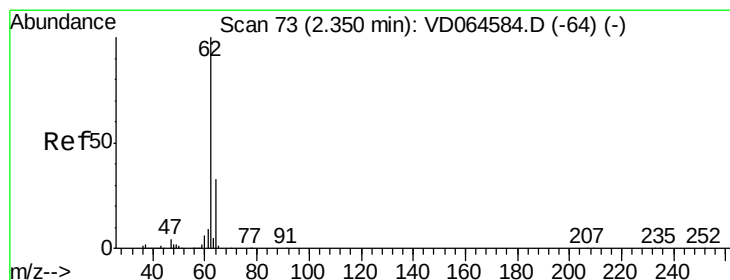
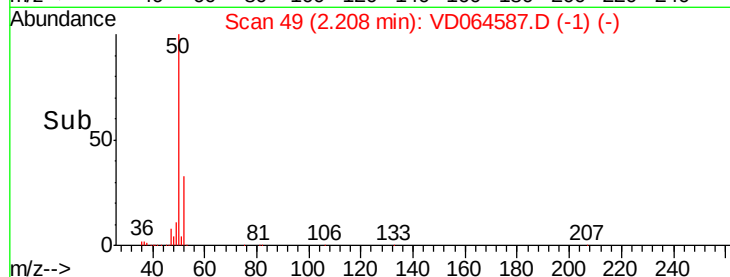
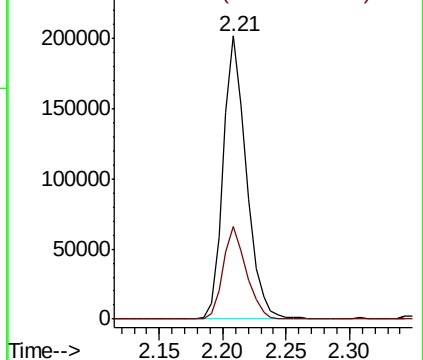
50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.432 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064587.D

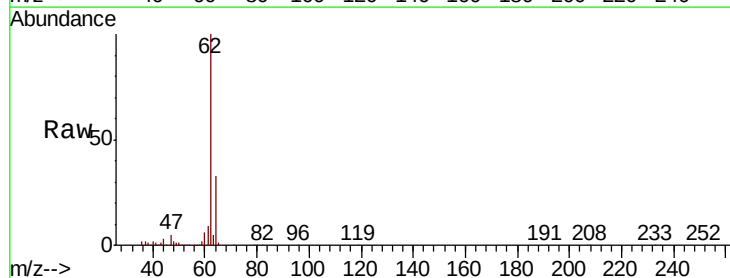
Acq: 24 Dec 2019 13:20

Tgt Ion: 62 Resp: 298615

Ion Ratio Lower Upper

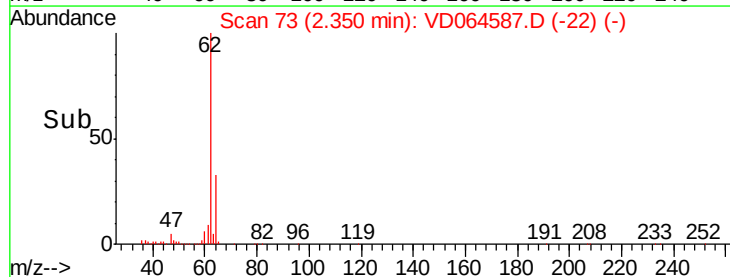
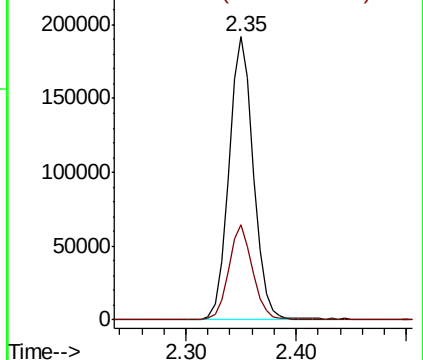
62 100

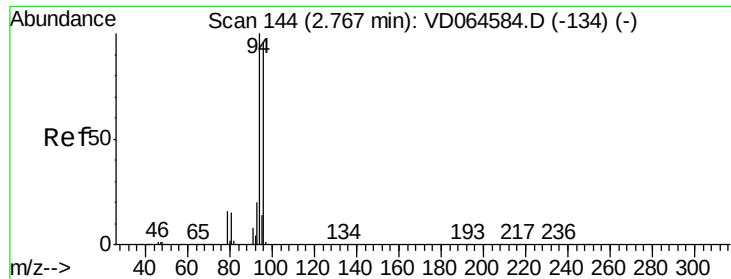
64 33.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.245 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

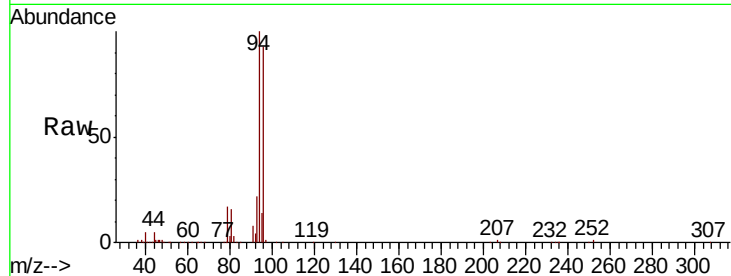
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 203124

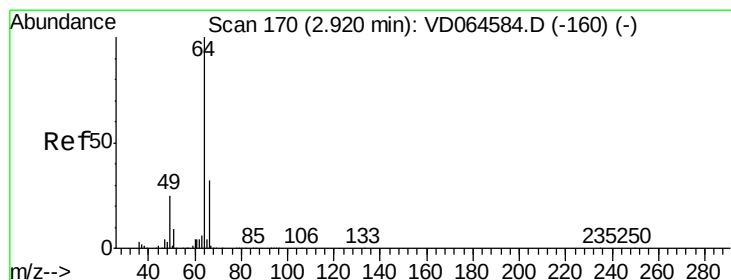
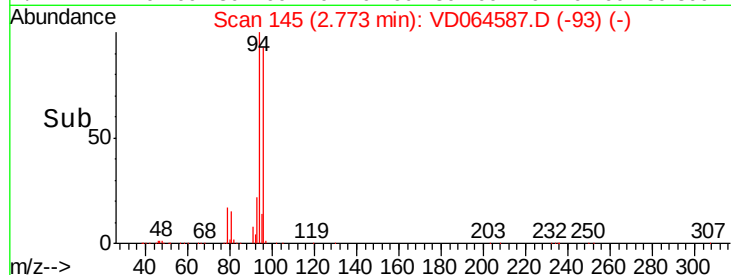
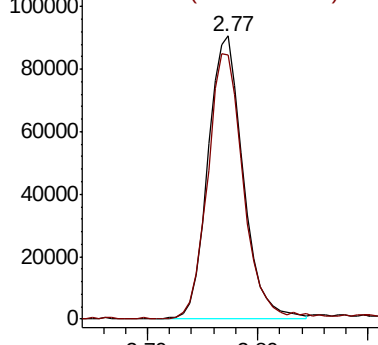
Ion Ratio Lower Upper

94 100

96 93.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.687 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064587.D

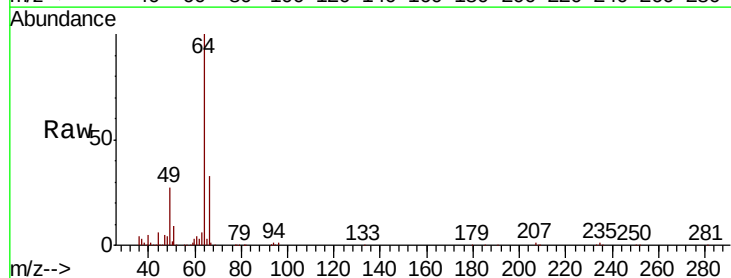
Acq: 24 Dec 2019 13:20

Tgt Ion: 64 Resp: 201123

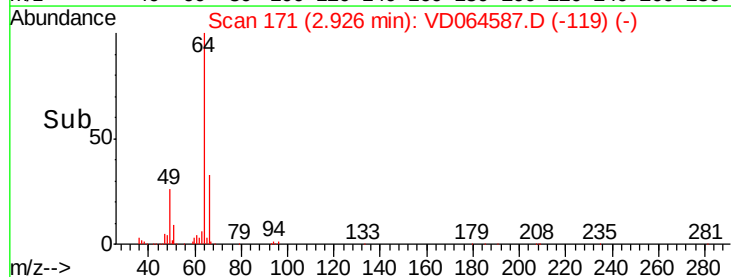
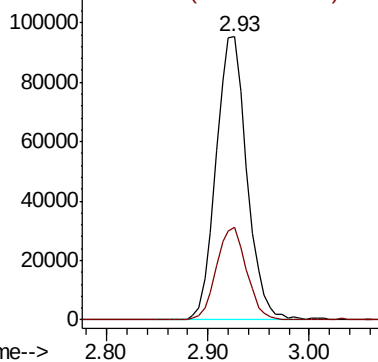
Ion Ratio Lower Upper

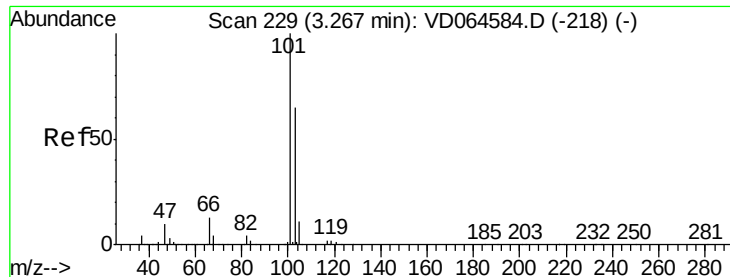
64 100

66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



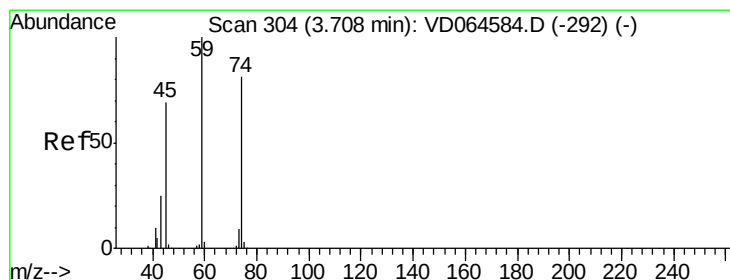
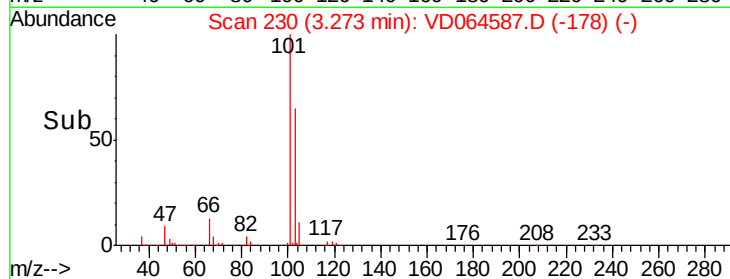
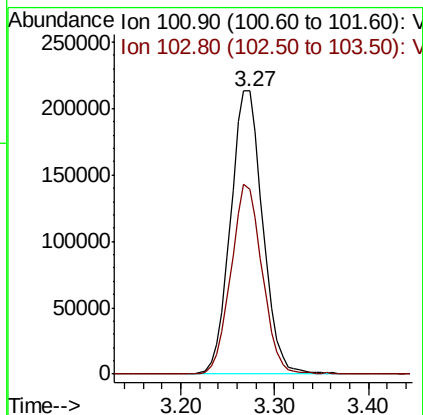
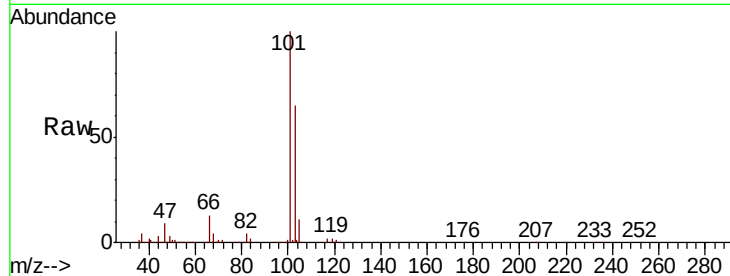


#7

Trichlorofluoromethane
 Concen: 49.838 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampled :

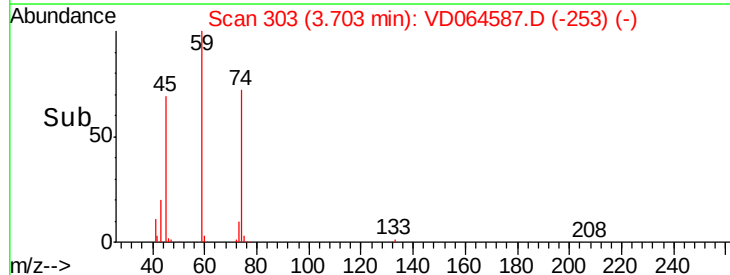
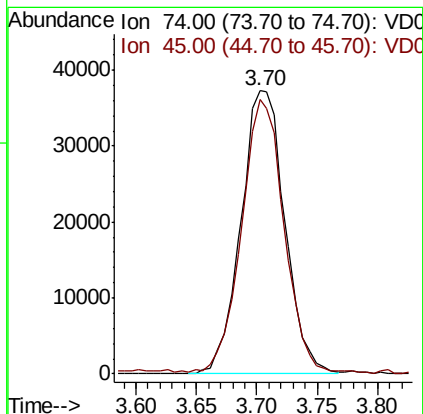
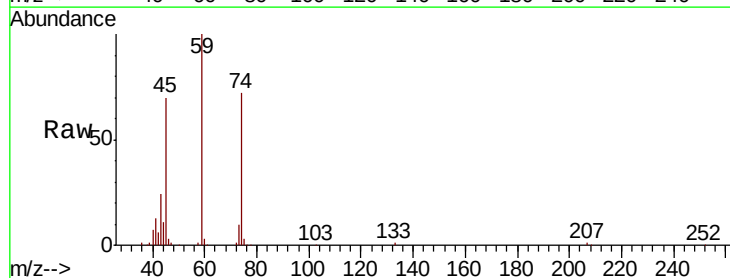
Tot Ion:101 Resp: 506932
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.2 78.4

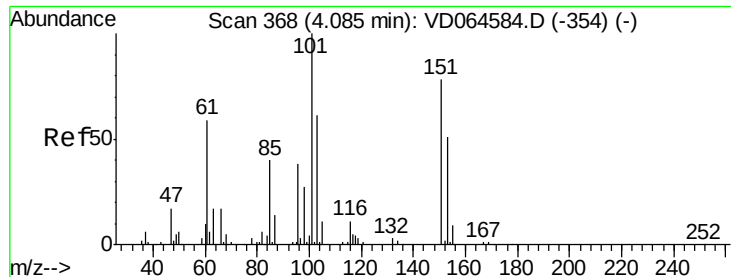


#8

Diethyl Ether
 Concen: 46.609 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion: 74 Resp: 94143
 Ion Ratio Lower Upper
 74 100
 45 94.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.974 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

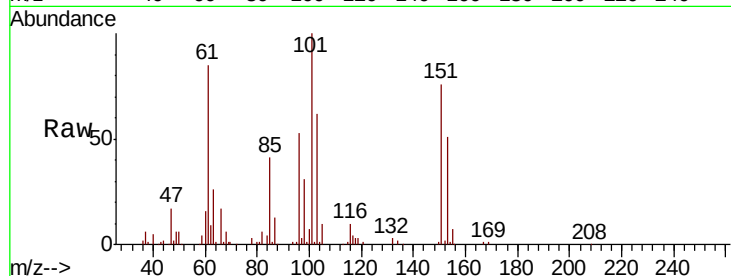
Tot Ion:101 Resp: 214726

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

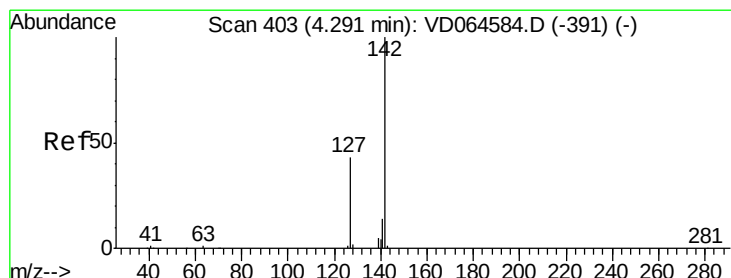
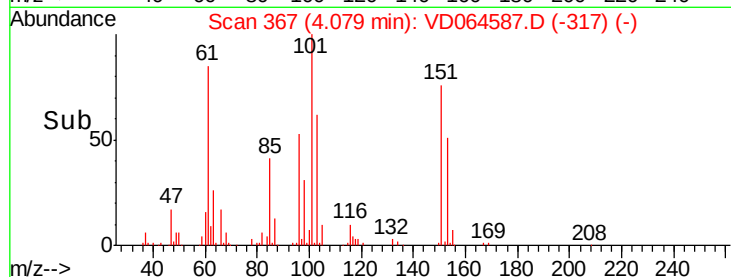
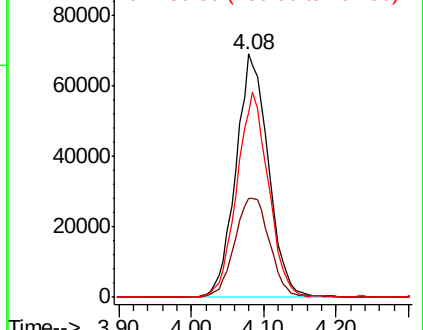
151 81.9 66.2 99.4



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: 48.869 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

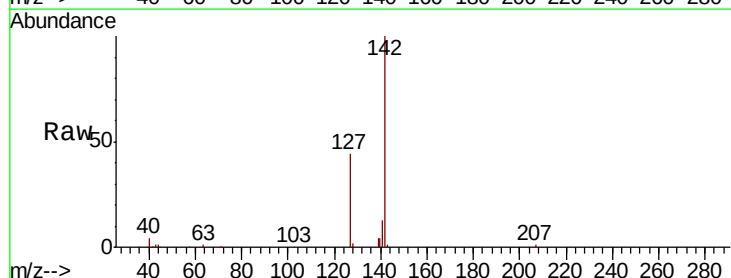
Tgt Ion:142 Resp: 221126

Ion Ratio Lower Upper

142 100

127 45.1 36.2 54.4

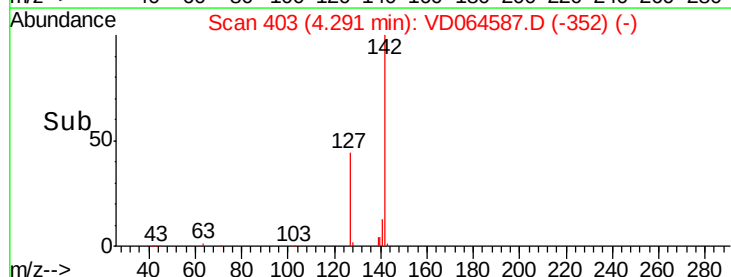
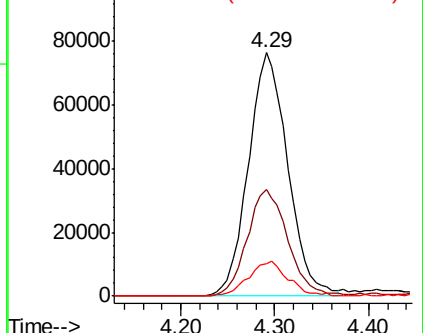
141 14.5 11.8 17.8

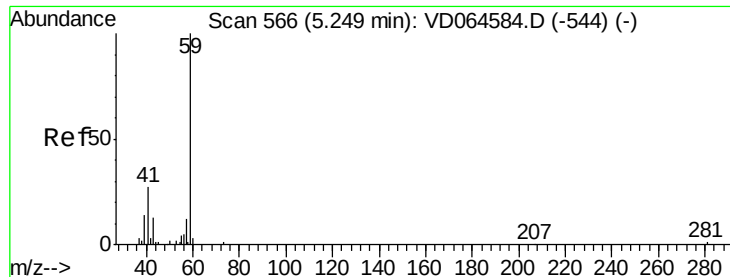


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

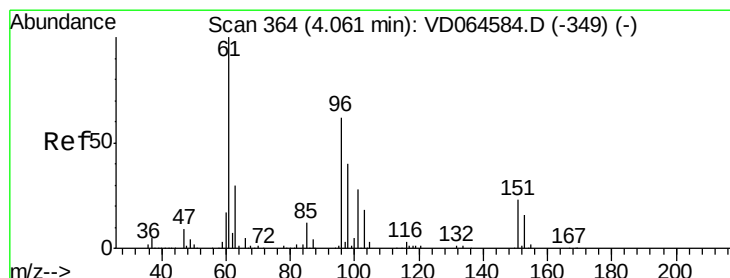
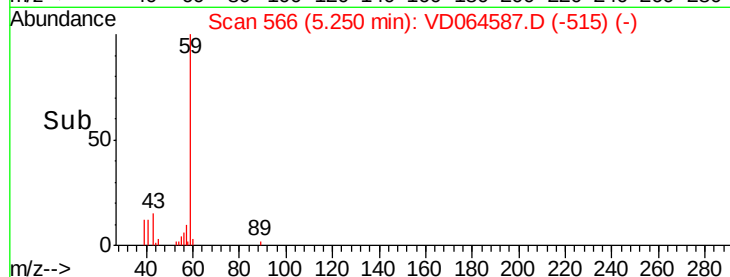
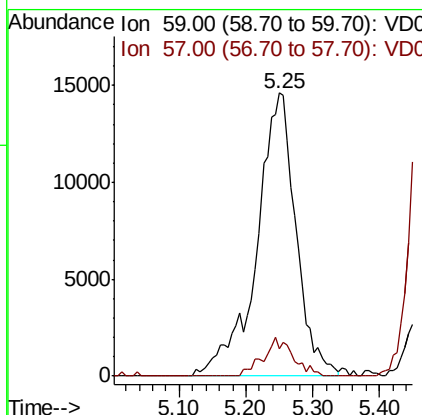
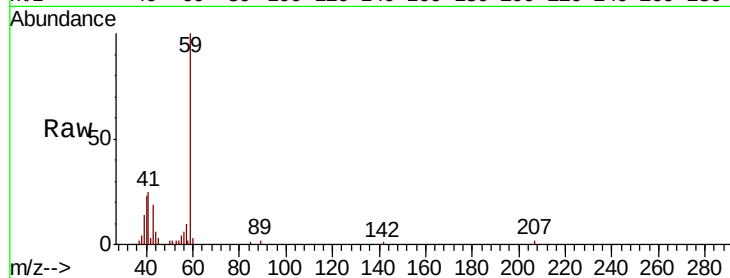




#11
Tert butyl alcohol
Concen: 258.900 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

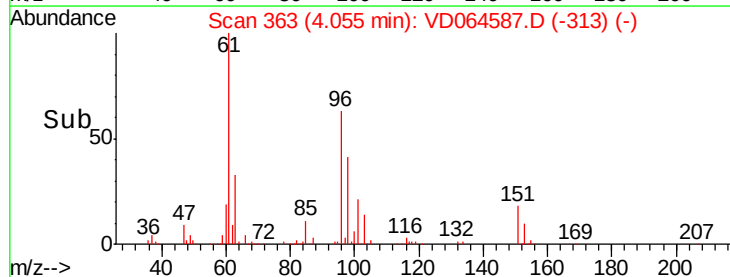
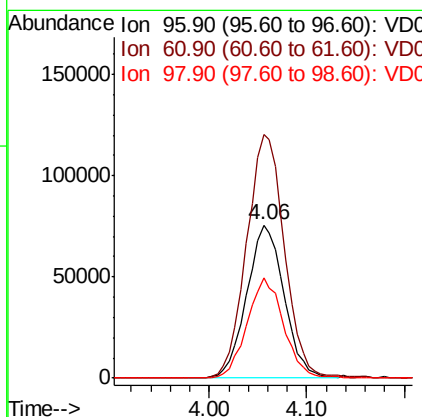
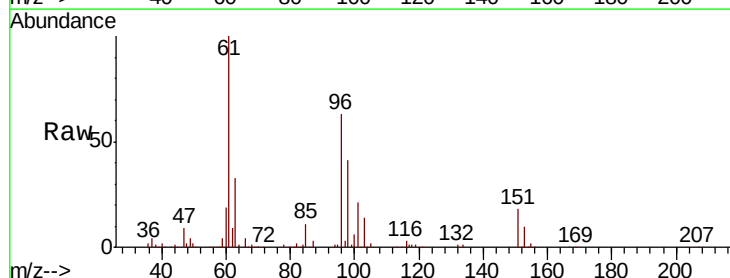
Instrument :
MSVOA_D
ClientSampleId :

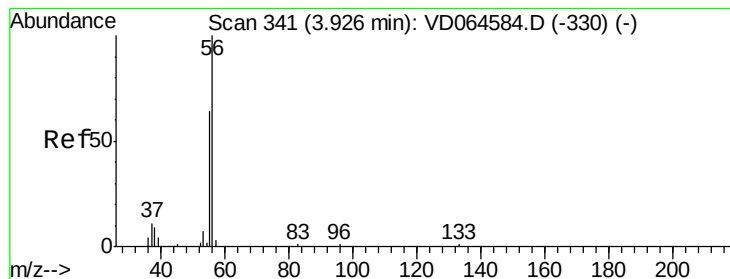
Tot Ion: 59 Resp: 59642
Ion Ratio Lower Upper
59 100
57 10.4 9.3 13.9



#12
1,1-Dichloroethene
Concen: 50.219 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 96 Resp: 201402
Ion Ratio Lower Upper
96 100
61 158.8 129.4 194.0
98 65.6 51.4 77.0





#13

Acrolein

Concen: 246.030 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

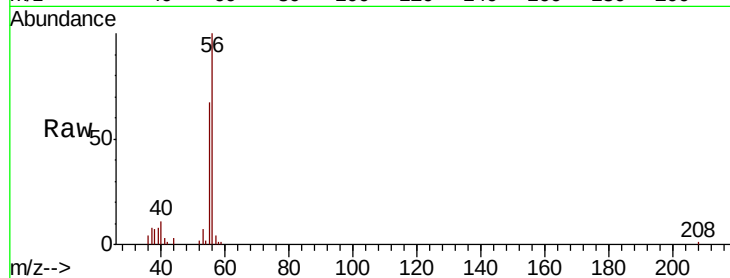
ClientSampleId :

Tot Ion: 56 Resp: 78988

Ion Ratio Lower Upper

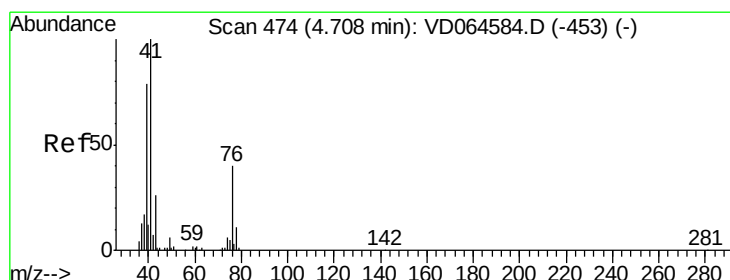
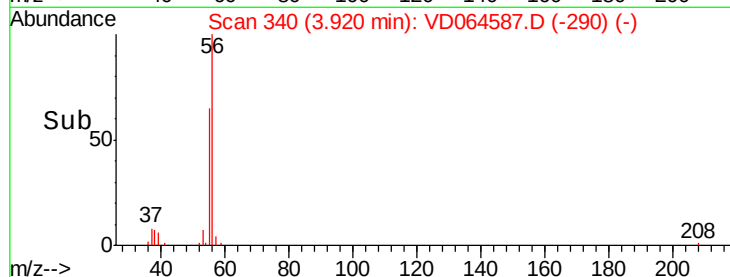
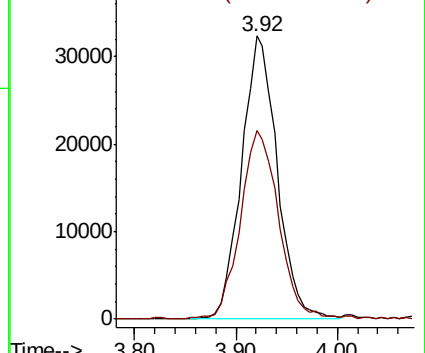
56 100

55 71.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.623 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

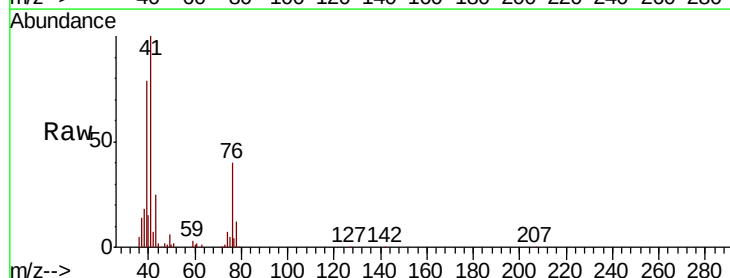
Tgt Ion: 41 Resp: 310285

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

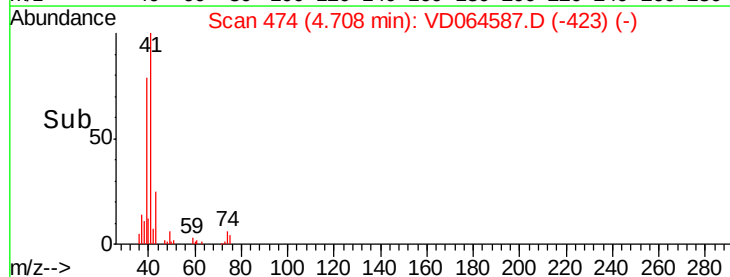
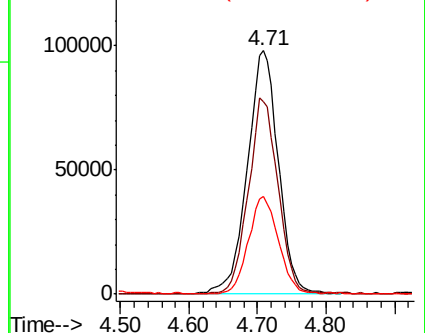
76 37.9 29.7 44.5

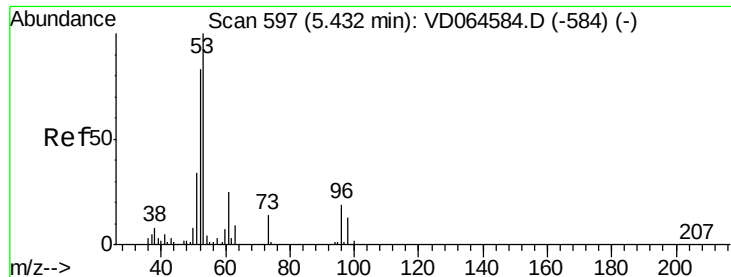


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 235.284 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

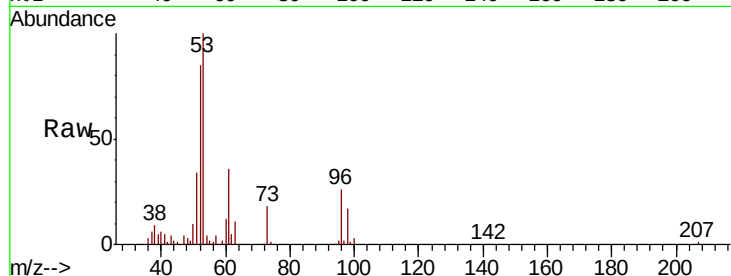
Tot Ion: 53 Resp: 197954

Ion Ratio Lower Upper

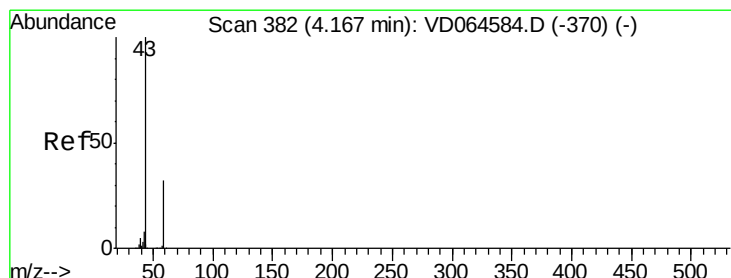
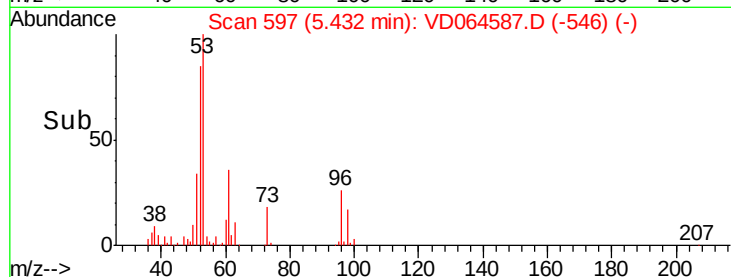
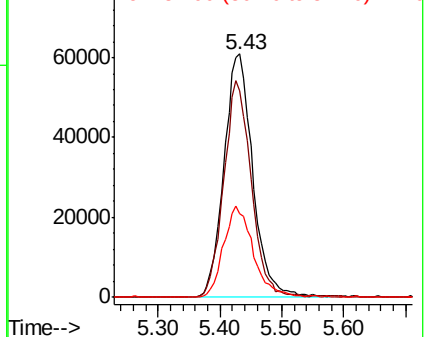
53 100

52 84.5 66.2 99.2

51 38.5 30.1 45.1



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



#16

Acetone

Concen: 268.961 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064587.D

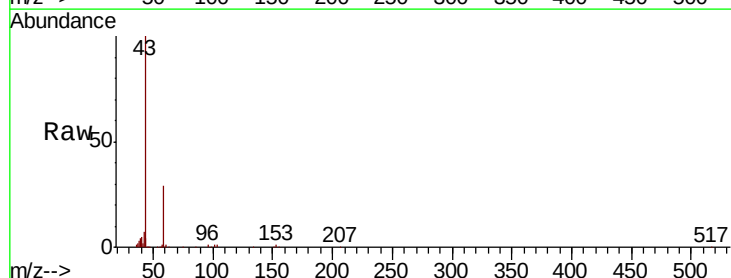
Acq: 24 Dec 2019 13:20

Tgt Ion: 43 Resp: 225777

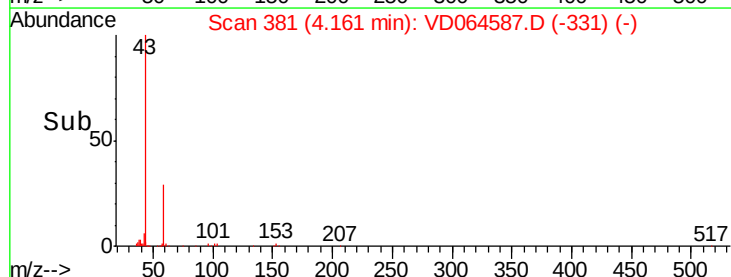
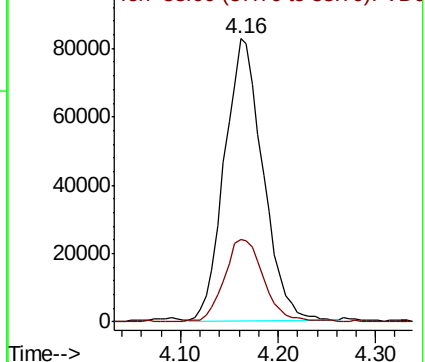
Ion Ratio Lower Upper

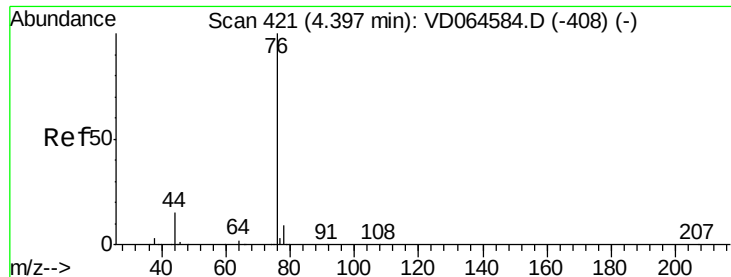
43 100

58 29.2 25.8 38.6



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

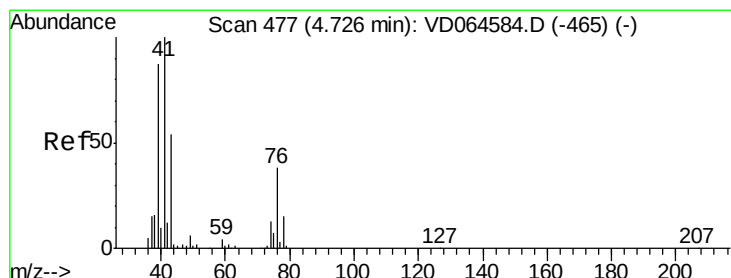
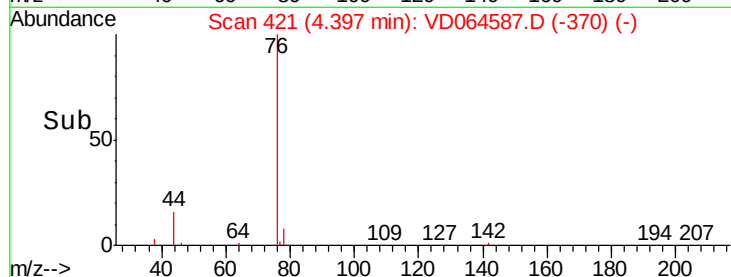
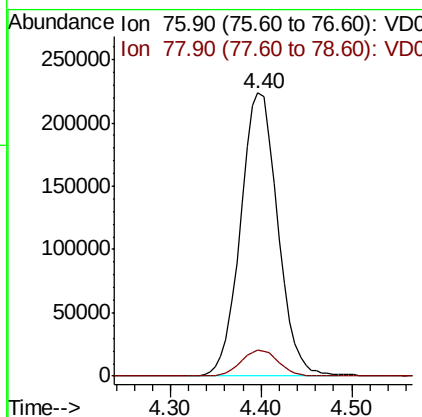
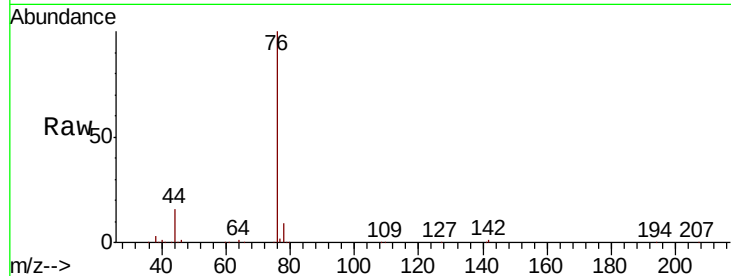




#17
Carbon Disulfide
Concen: 49.257 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

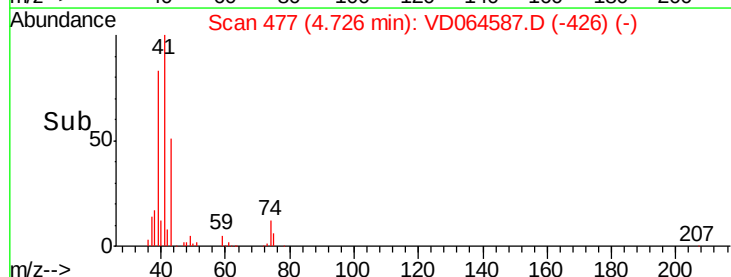
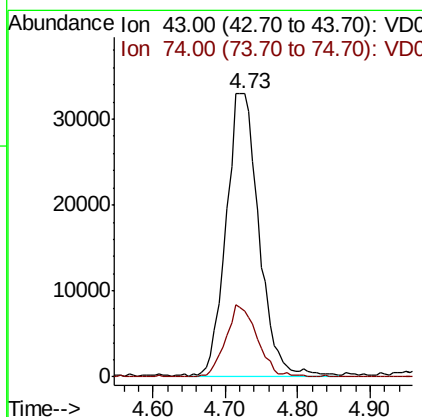
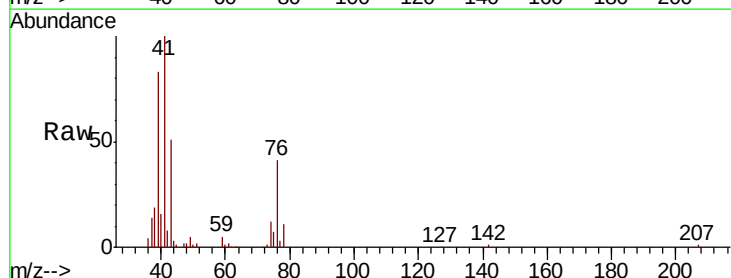
Instrument :
MSVOA_D
ClientSampleId :

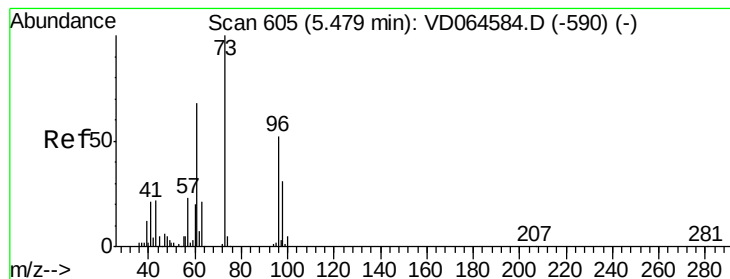
Tot Ion: 76 Resp: 638763
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 46.171 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 43 Resp: 104486
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8



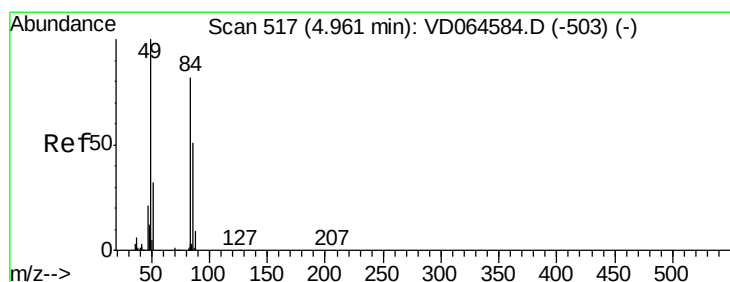
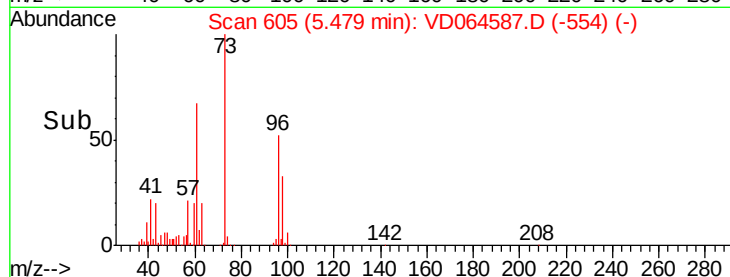
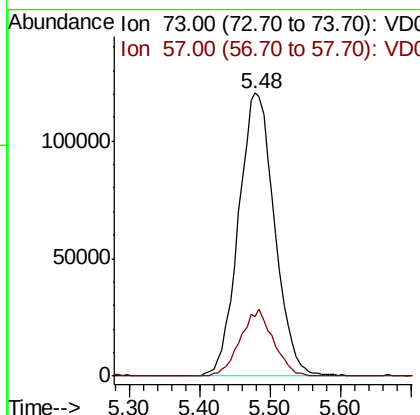
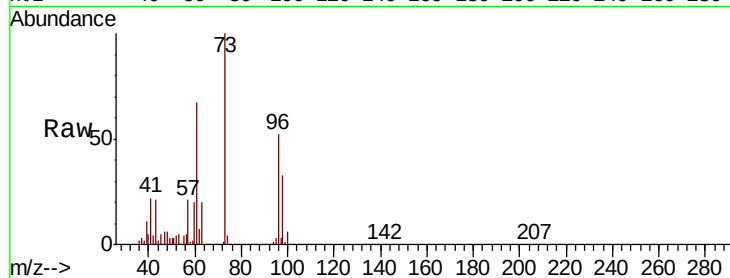


#19

Methyl tert-butyl Ether
 Concen: 47.971 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

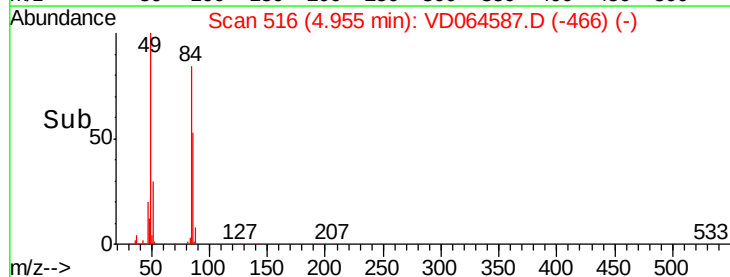
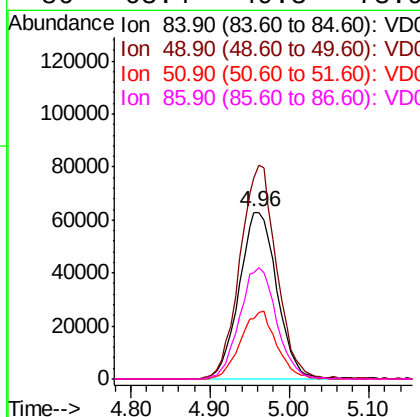
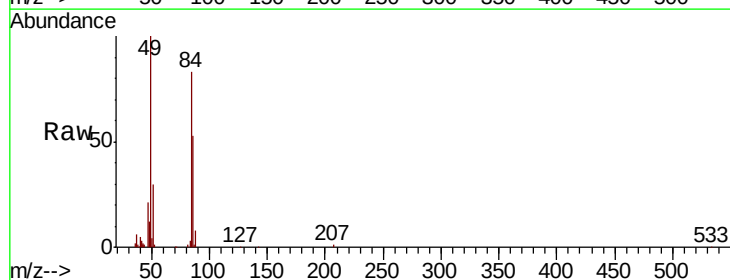
Tot Ion: 73 Resp: 427322
 Ion Ratio Lower Upper
 73 100
 57 21.1 18.6 27.8

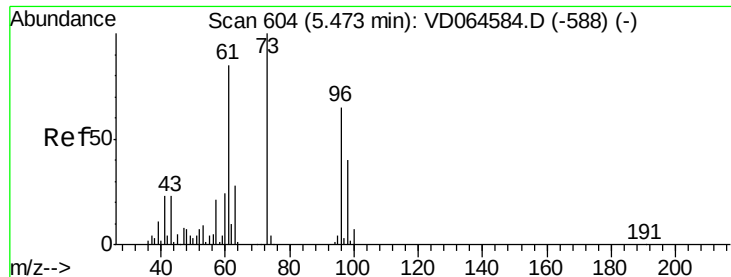


#20

Methylene Chloride
 Concen: 50.566 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion: 84 Resp: 207650
 Ion Ratio Lower Upper
 84 100
 49 120.2 97.2 145.8
 51 36.2 31.4 47.0
 86 63.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.571 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampled :

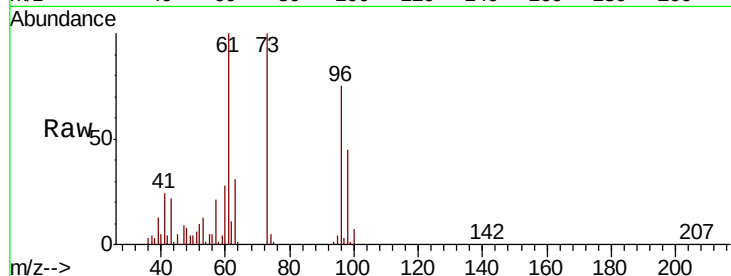
Tot Ion: 96 Resp: 226409

Ion Ratio Lower Upper

96 100

61 133.4 104.7 157.1

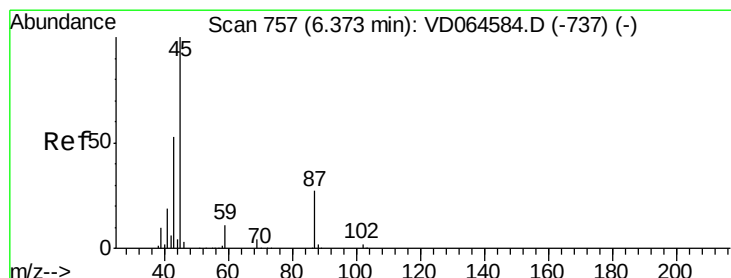
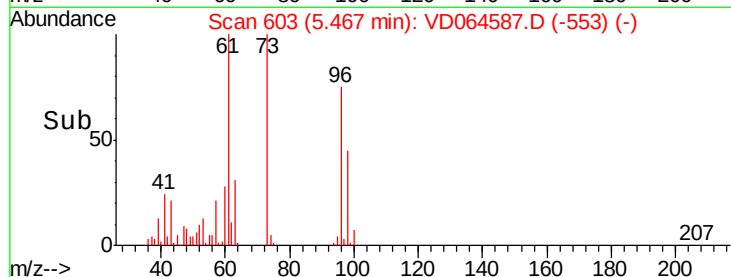
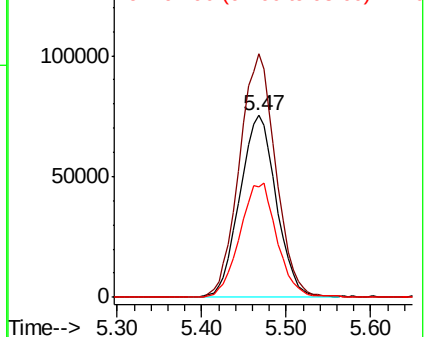
98 60.5 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.933 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion: 45 Resp: 597814

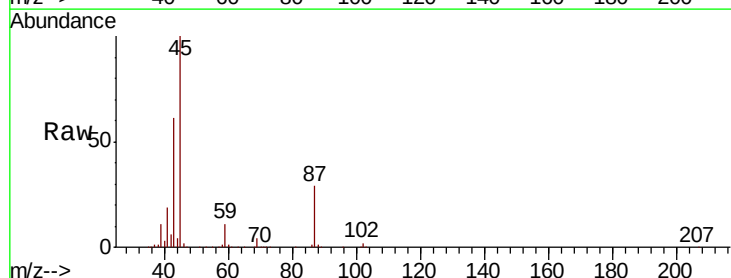
Ion Ratio Lower Upper

45 100

43 60.2 43.2 64.8

87 28.5 21.9 32.9

59 11.4 9.0 13.4

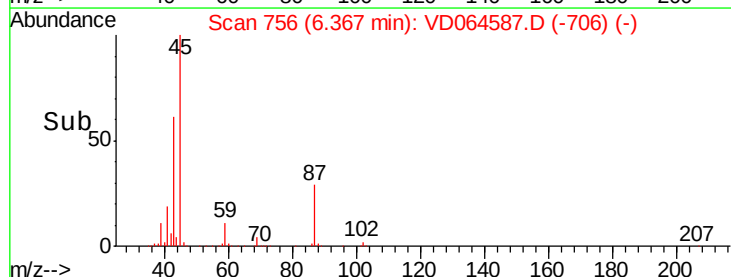
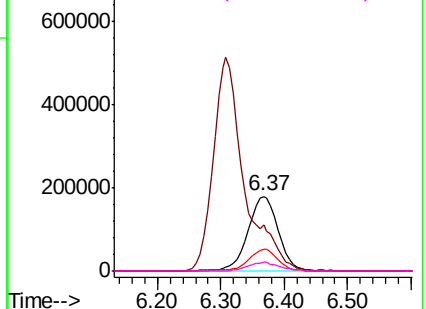


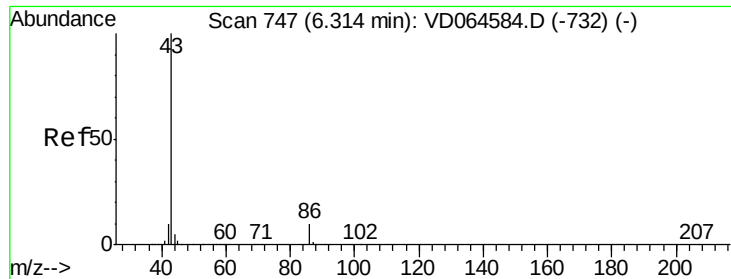
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 248.774 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

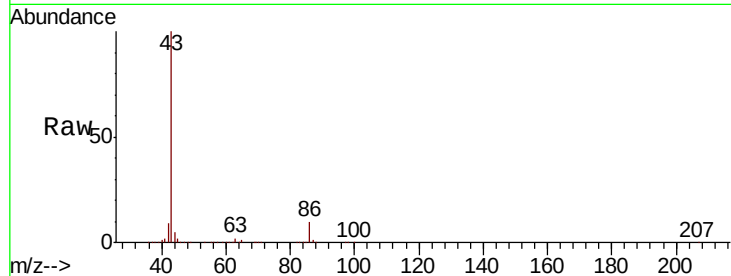
ClientSampled :

Tot Ion: 43 Resp: 1760031

Ion Ratio Lower Upper

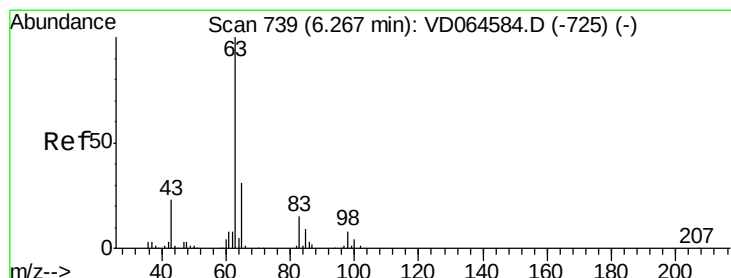
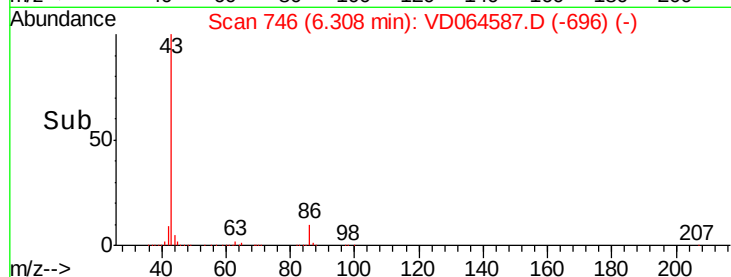
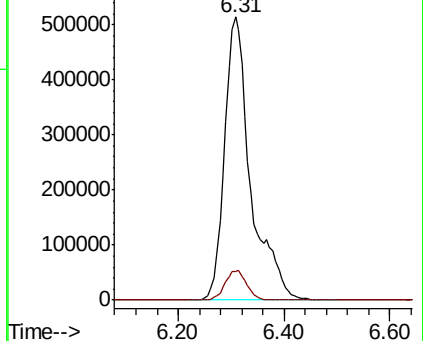
43 100

86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.453 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

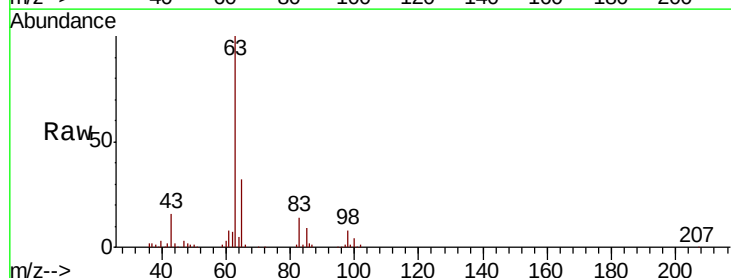
Tgt Ion: 63 Resp: 370270

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

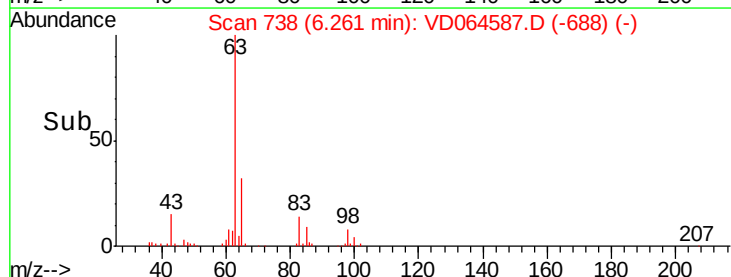
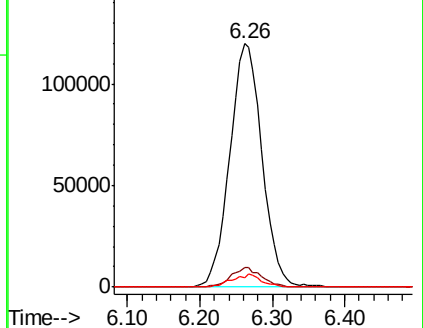
100 4.0 2.2 6.6

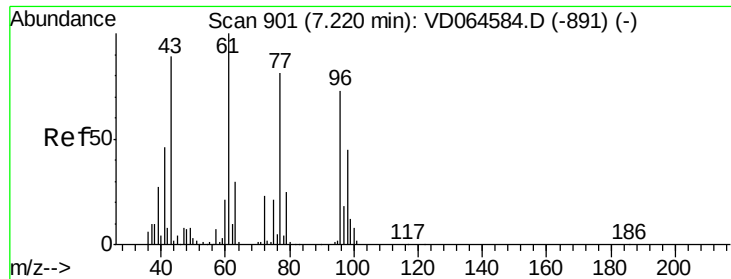


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 246.166 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

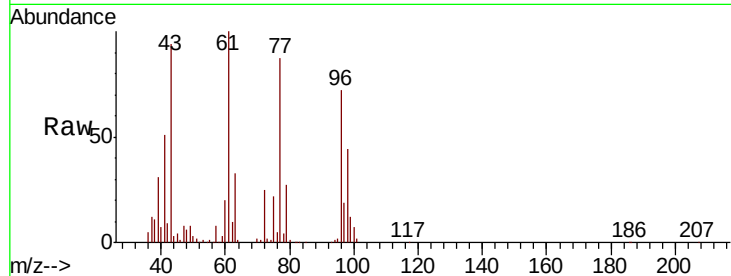
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 271989

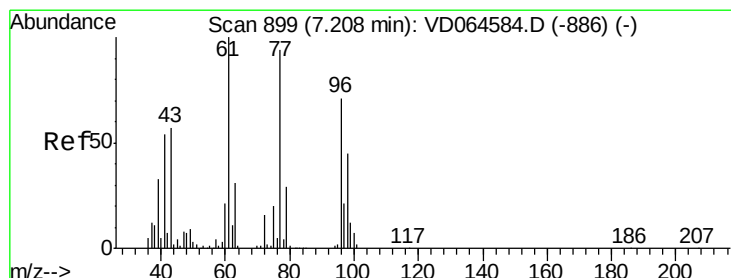
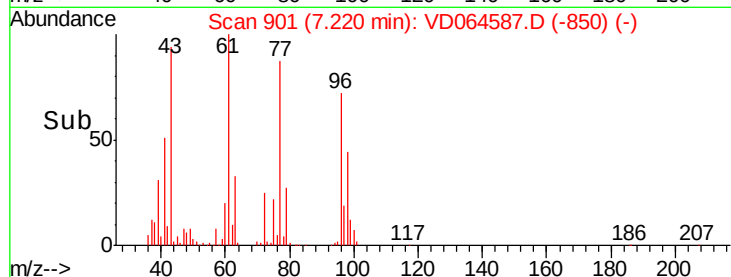
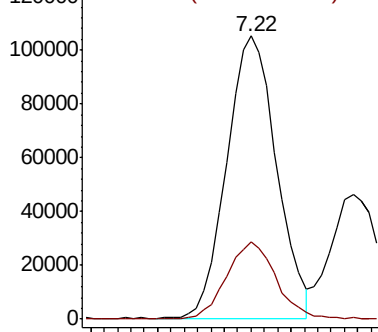
Ion Ratio Lower Upper

43 100

72 27.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.539 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064587.D

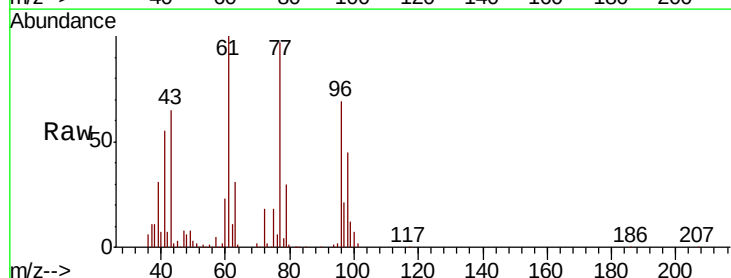
Acq: 24 Dec 2019 13:20

Tgt Ion: 77 Resp: 351816

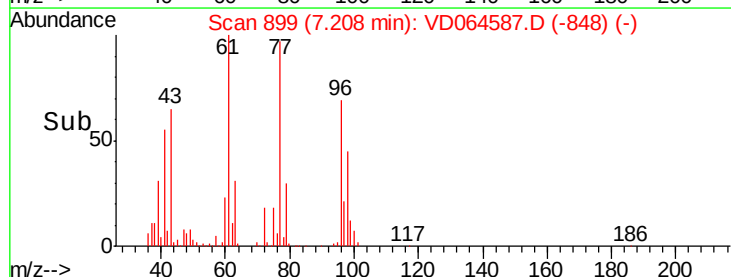
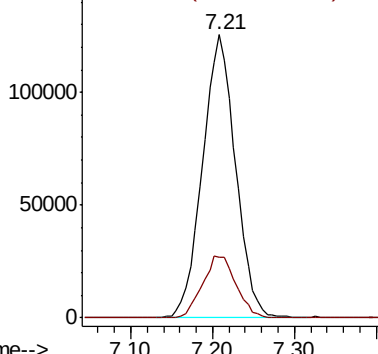
Ion Ratio Lower Upper

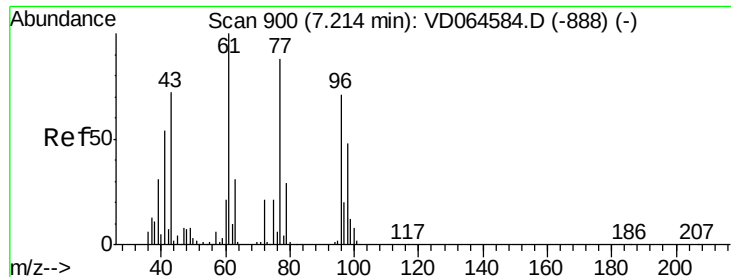
77 100

97 22.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



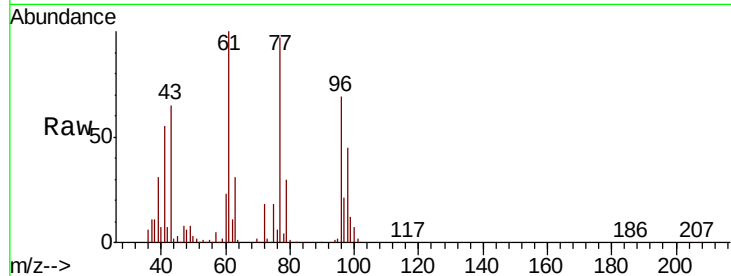


#27

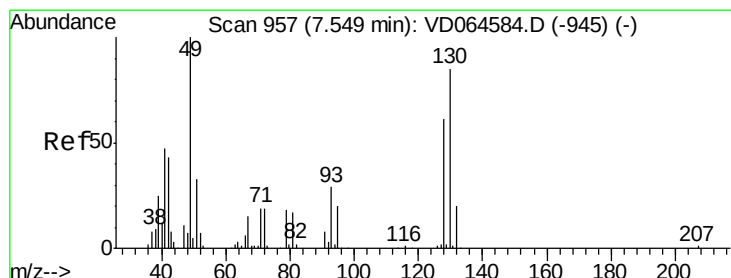
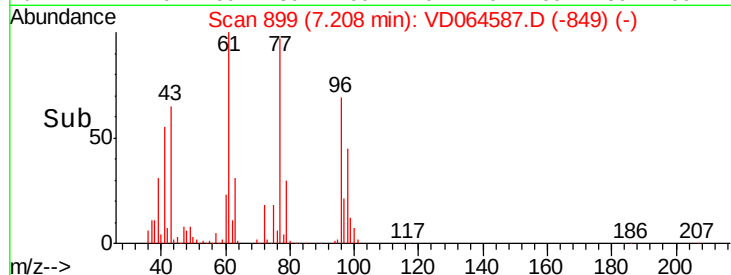
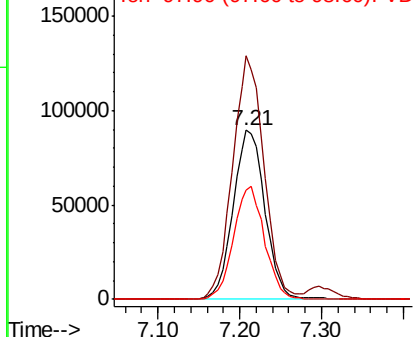
cis-1,2-Dichloroethene
 Concen: 49.044 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	241747
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	282.6
98	65.3	0.0	130.8



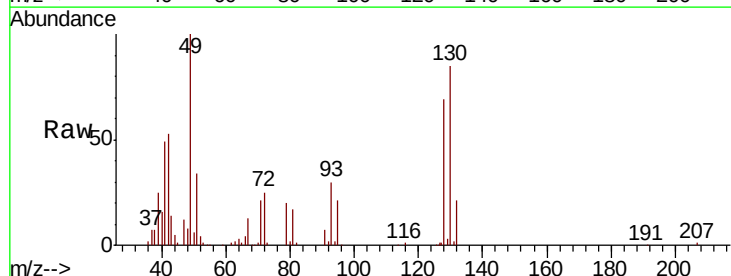
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



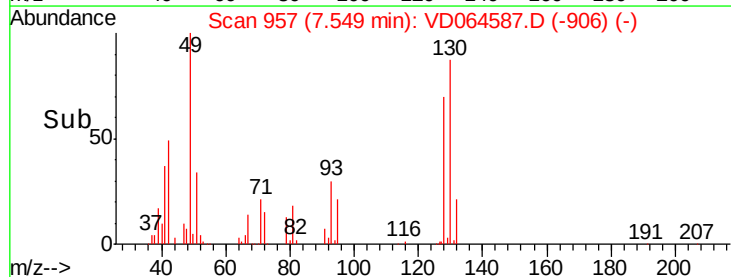
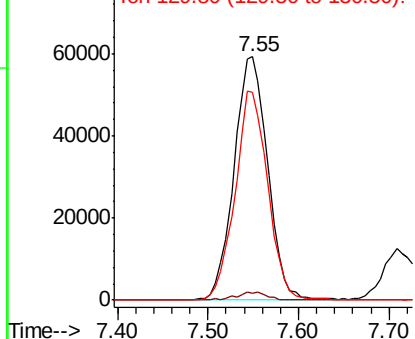
#28

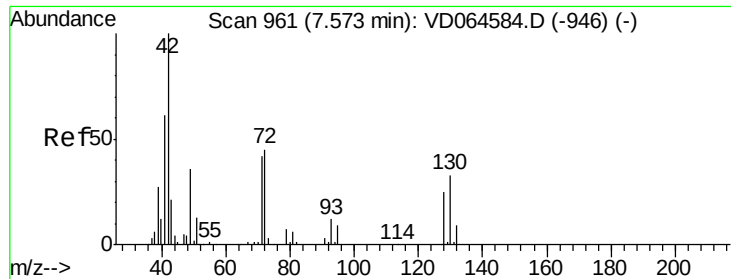
Bromochloromethane
 Concen: 52.428 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	49	Resp	152593
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	83.0	65.0	97.6



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

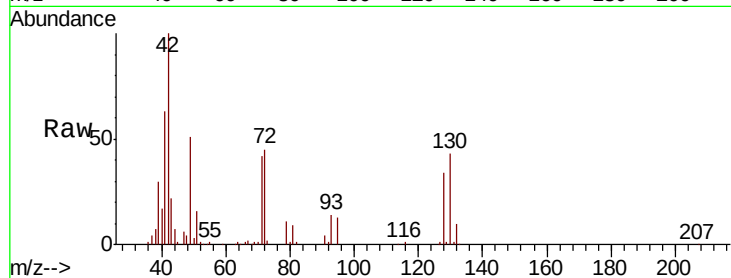




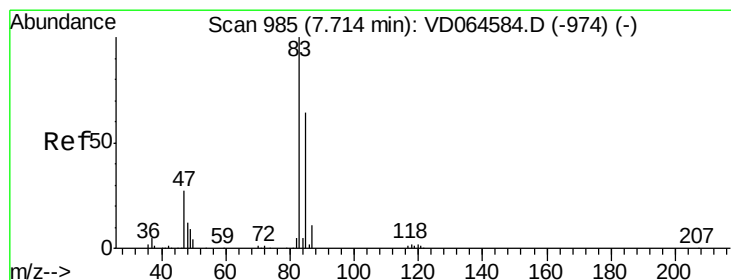
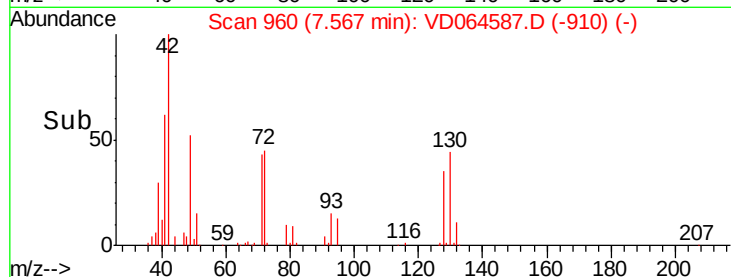
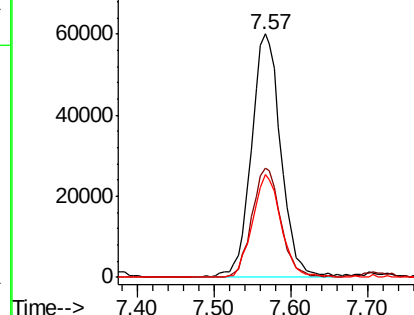
#29
Tetrahydrofuran
Concen: 234.936 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 161427
Ion Ratio Lower Upper
42 100
72 43.7 35.0 52.4
71 40.7 32.9 49.3

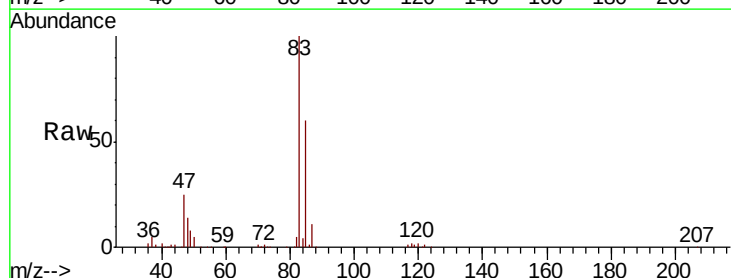


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

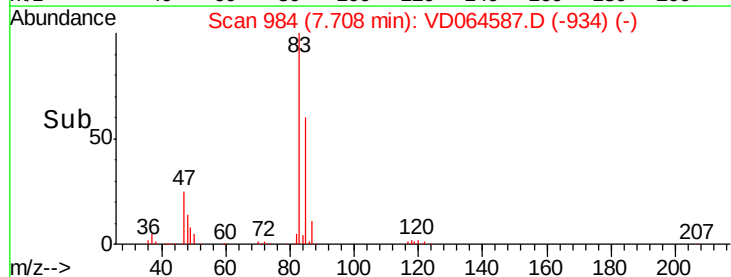
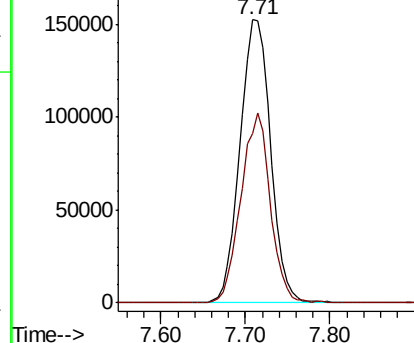


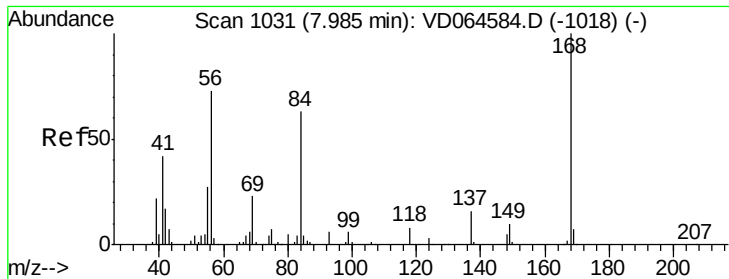
#30
Chloroform
Concen: 48.881 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 83 Resp: 383979
Ion Ratio Lower Upper
83 100
85 59.9 51.1 76.7



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

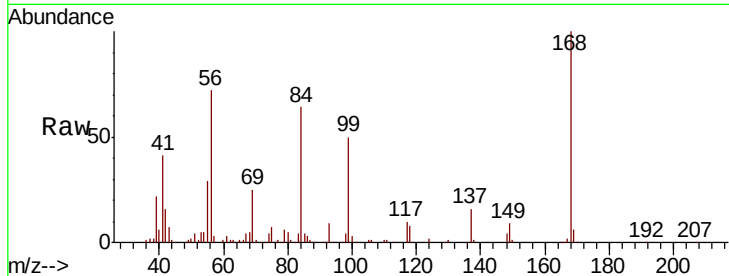




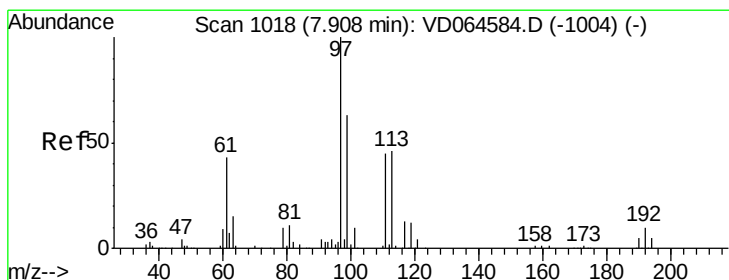
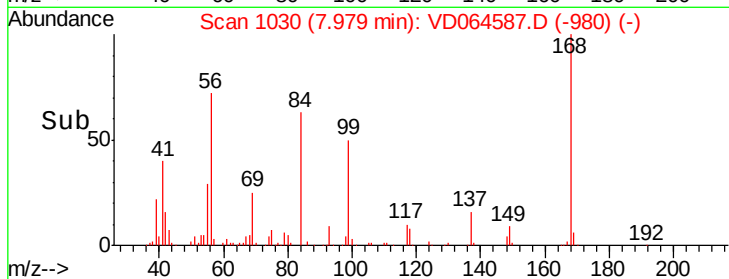
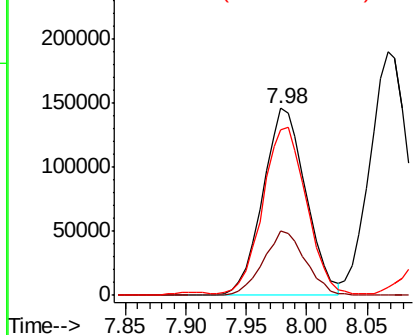
#31
Cyclohexane
Concen: 48.107 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 360550
Ion Ratio Lower Upper
56 100
69 34.4 24.7 37.1
84 87.3 69.4 104.2

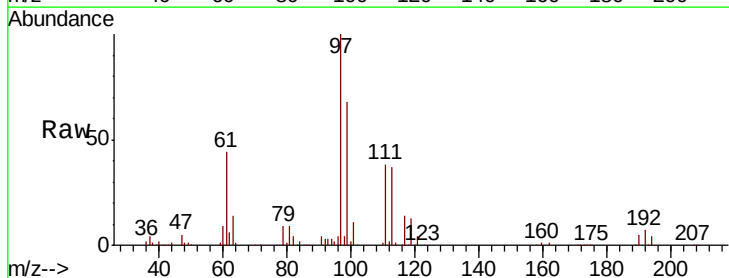


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

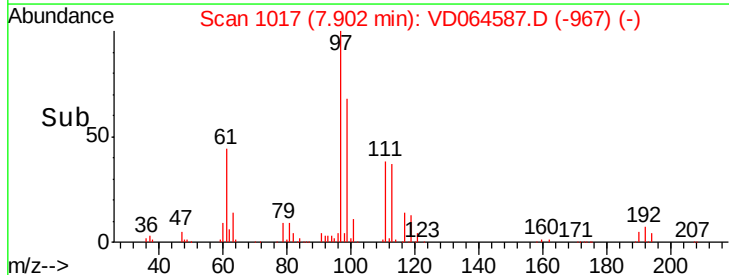
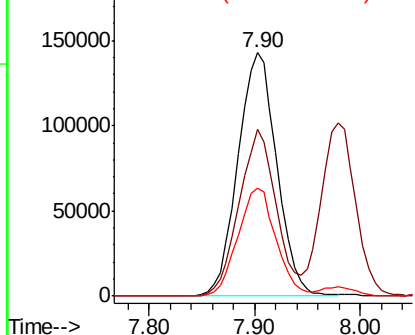


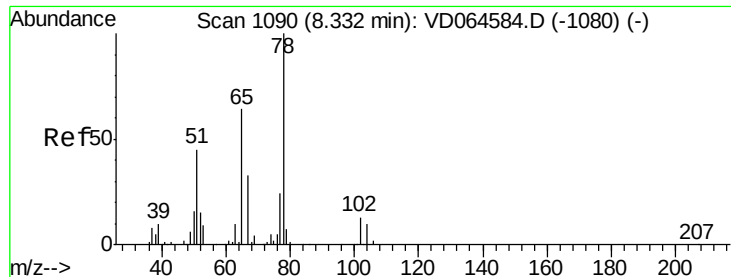
#32
1,1,1-Trichloroethane
Concen: 49.382 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 97 Resp: 364360
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.6
61 43.4 35.4 53.0



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

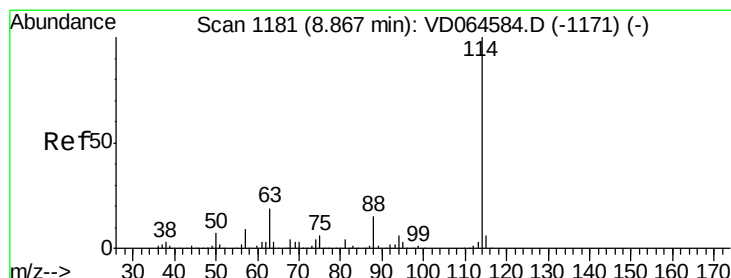
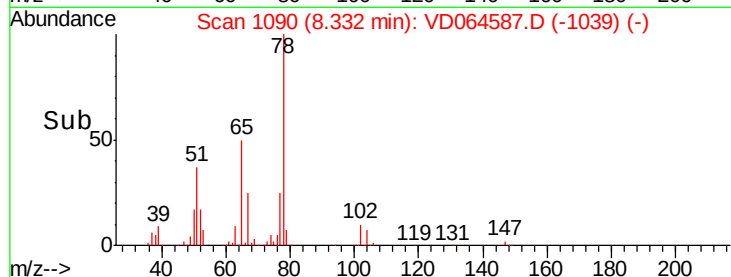
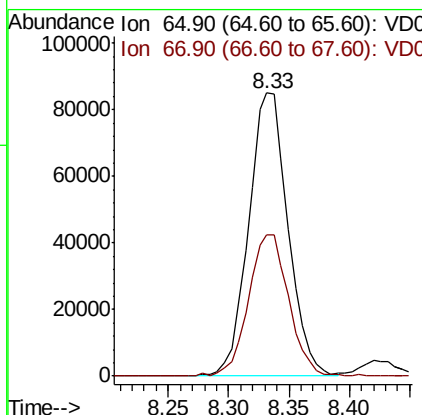
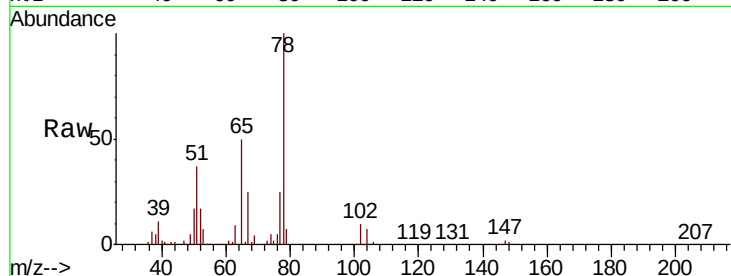




#33
 1,2-Dichloroethane-d4
 Concen: 47.942 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

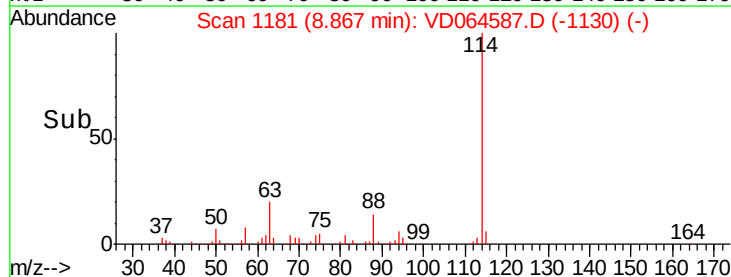
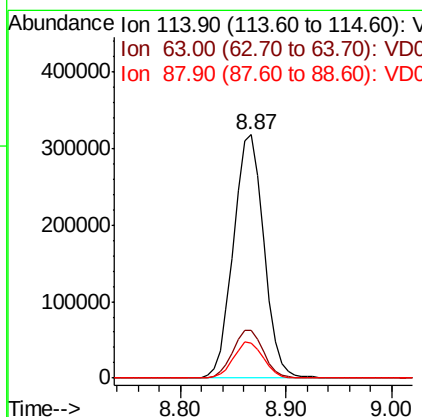
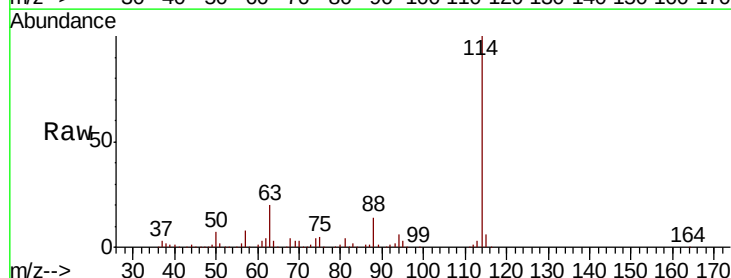
Instrument :
 MSVOA_D
 ClientSampleId :

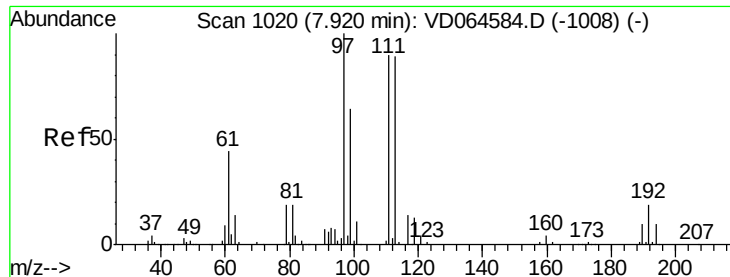
Tot Ion: 65 Resp: 192711
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion: 114 Resp: 638081
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 14.4 0.0 29.2

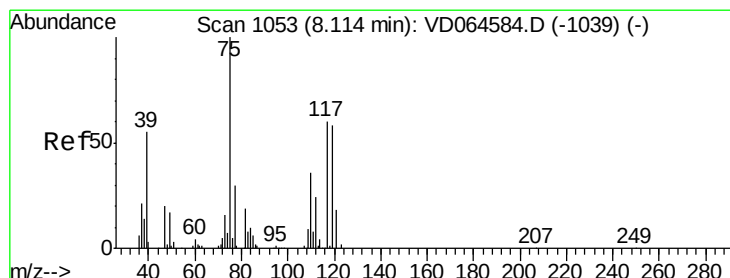
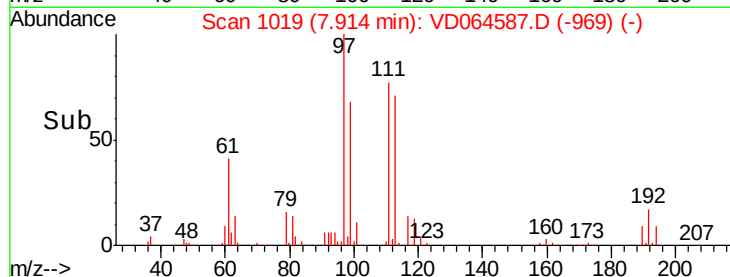
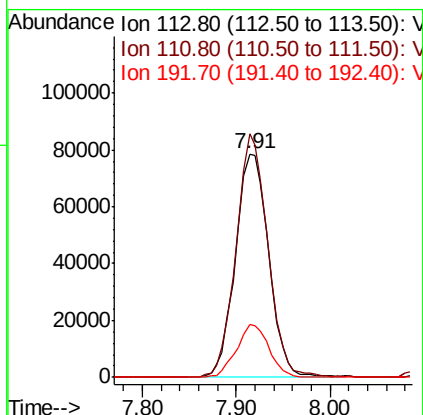
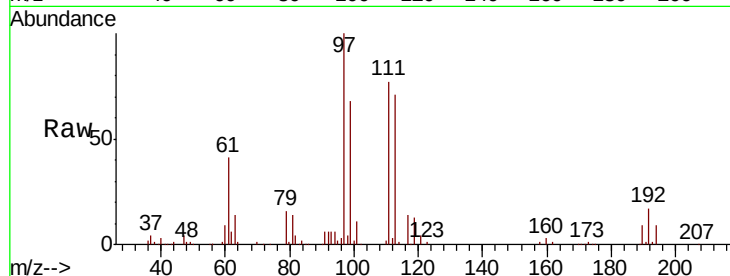




#35
 Dibromofluoromethane
 Concen: 49.317 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

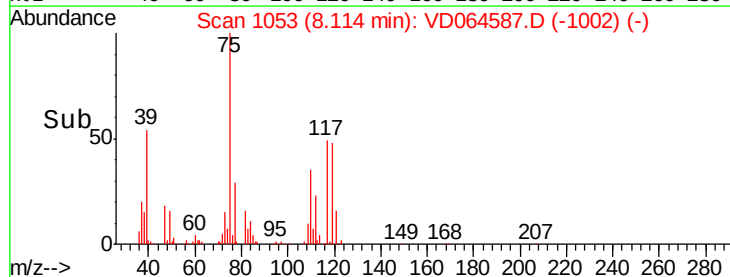
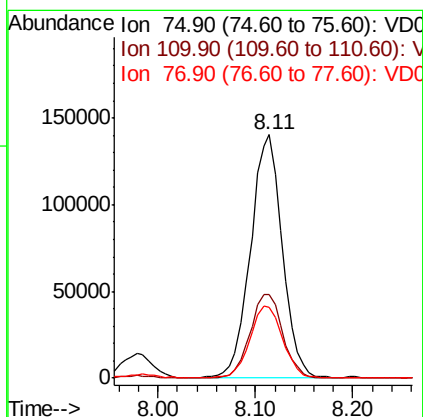
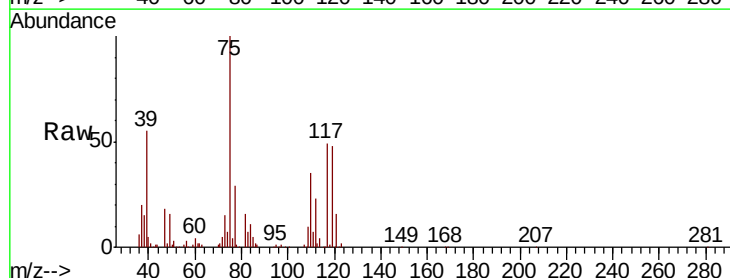
Instrument :
 MSVOA_D
 ClientSampleId :

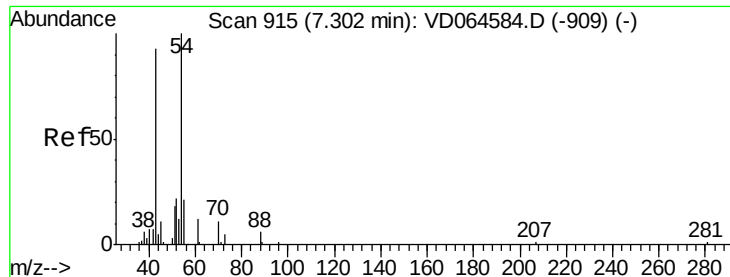
Tot Ion:113 Resp: 193065
 Ion Ratio Lower Upper
 113 100
 111 104.1 80.6 121.0
 192 23.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 51.802 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion: 75 Resp: 318144
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.1 54.1
 77 30.8 24.2 36.4

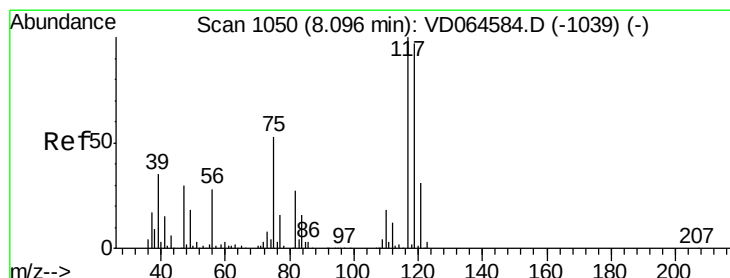
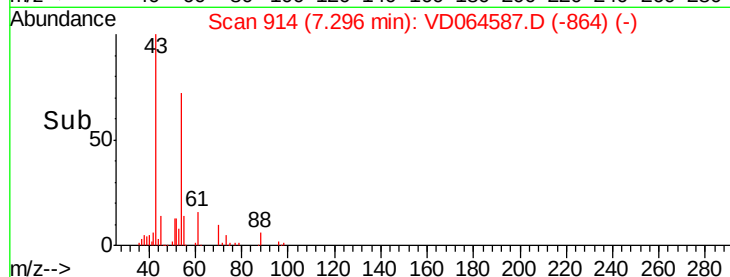
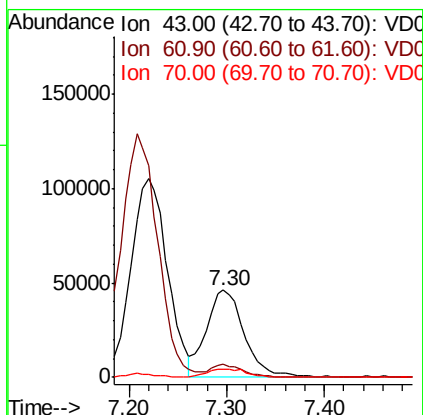
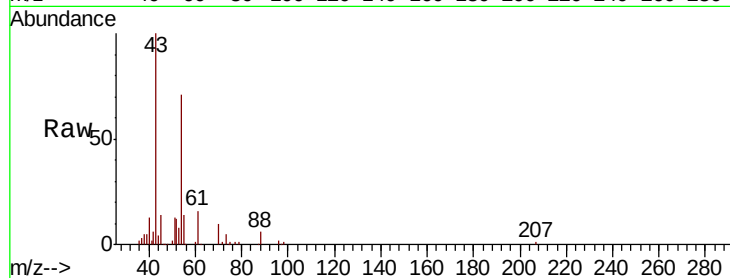




#37
Ethyl Acetate
Concen: 50.327 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

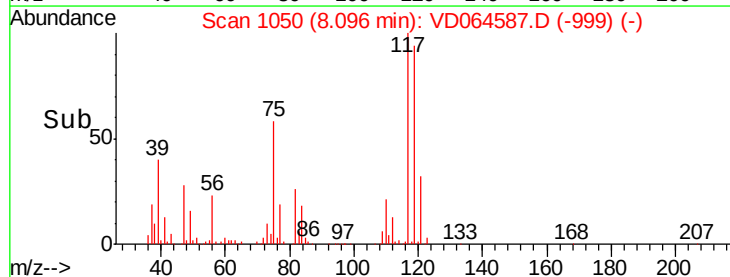
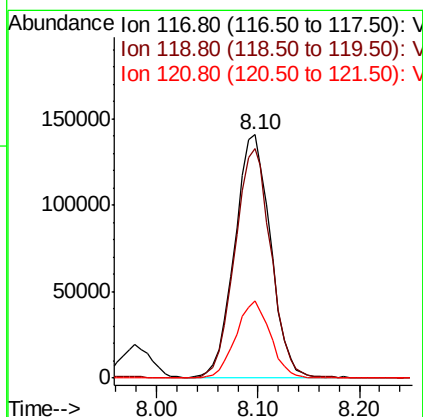
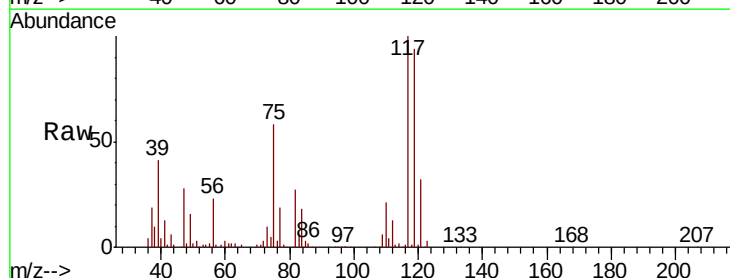
Instrument :
MSVOA_D
ClientSampleId :

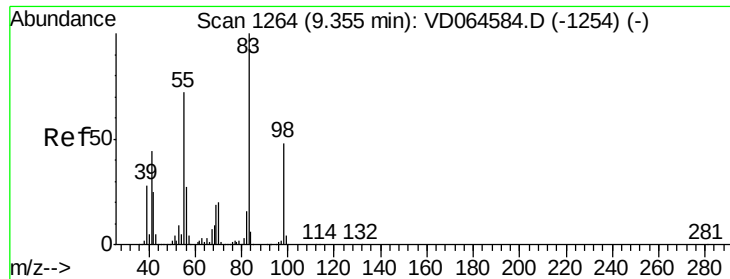
Tot Ion: 43 Resp: 121424
Ion Ratio Lower Upper
43 100
61 12.6 10.3 15.5
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 52.315 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 117 Resp: 342591
Ion Ratio Lower Upper
117 100
119 94.7 77.3 115.9
121 31.7 25.0 37.6

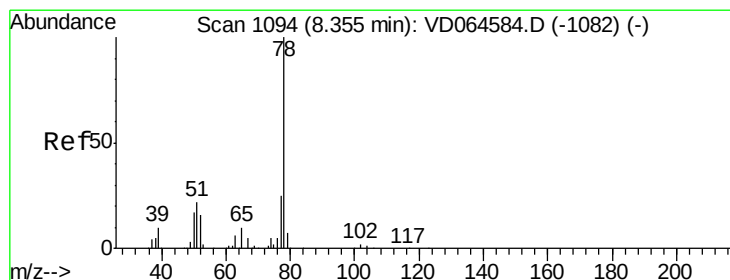
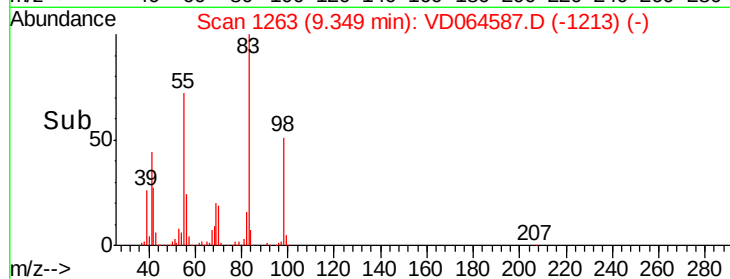
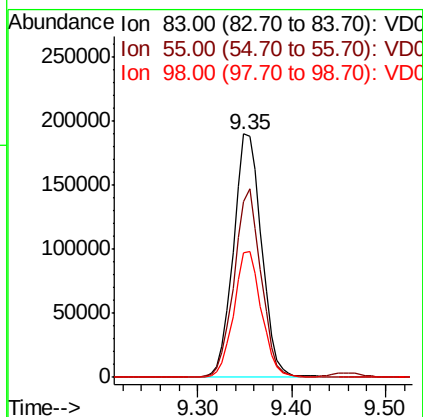
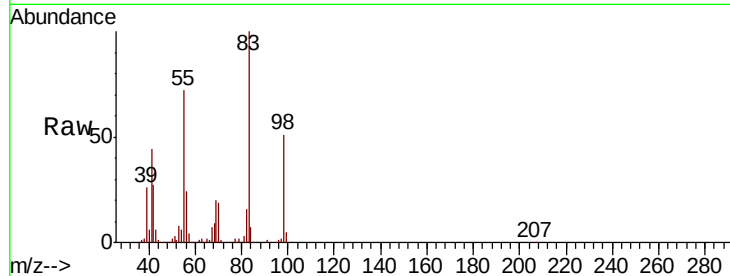




#39
Methylvlcyclohexane
Concen: 53.135 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

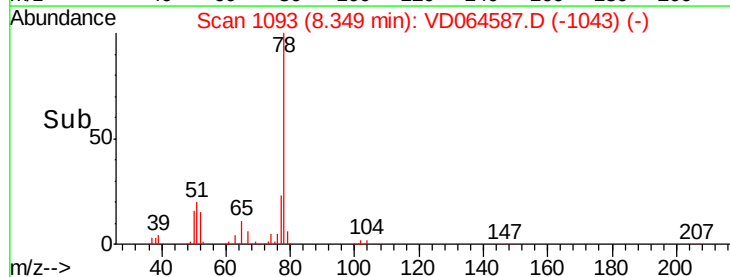
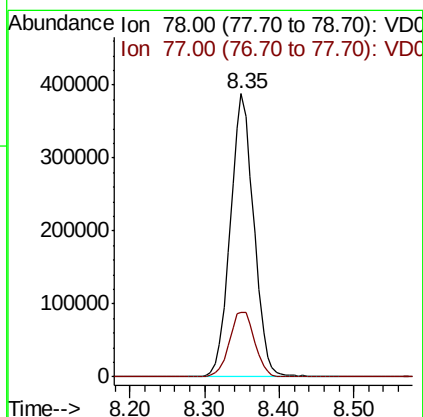
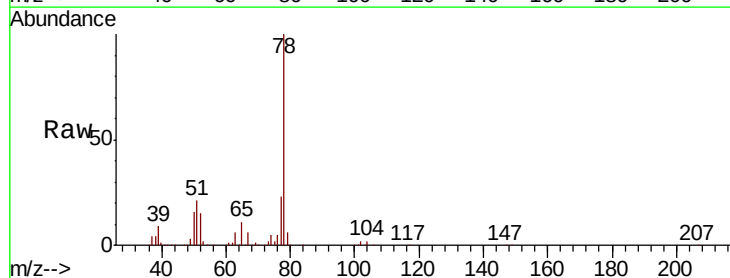
Instrument :
MSVOA_D
ClientSampleId :

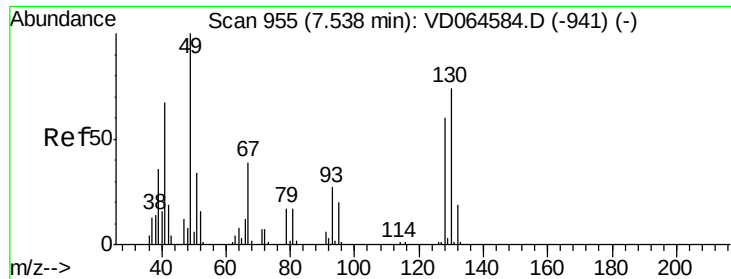
Tot Ion: 83 Resp: 395245
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 51.0 38.7 58.1



#40
Benzene
Concen: 50.650 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 78 Resp: 849180
Ion Ratio Lower Upper
78 100
77 22.9 19.9 29.9





#41

Methacrylonitrile

Concen: 50.617 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 70857

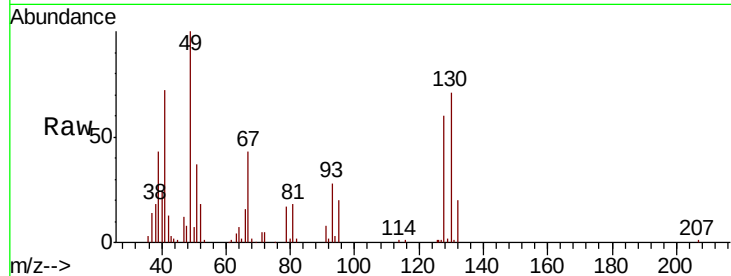
Ion Ratio Lower Upper

41 100

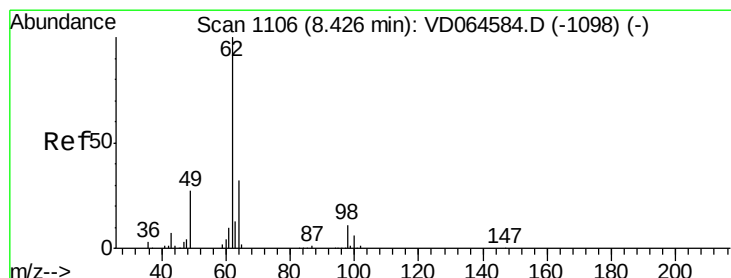
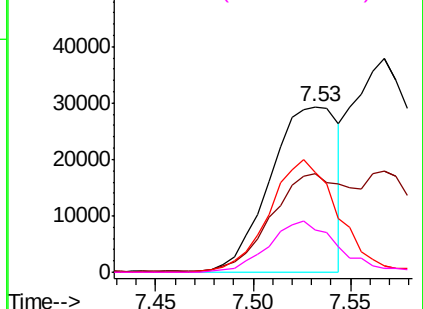
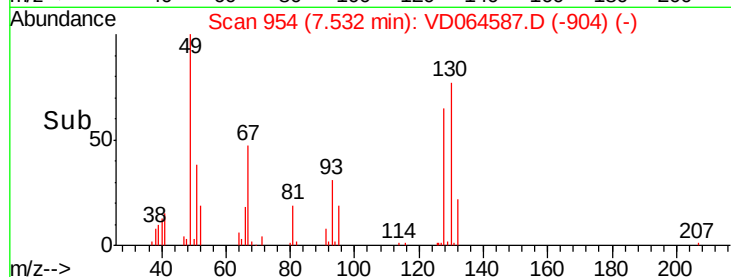
39 71.6 46.7 70.1#

67 69.1 52.5 78.7

52 31.9 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.401 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064587.D

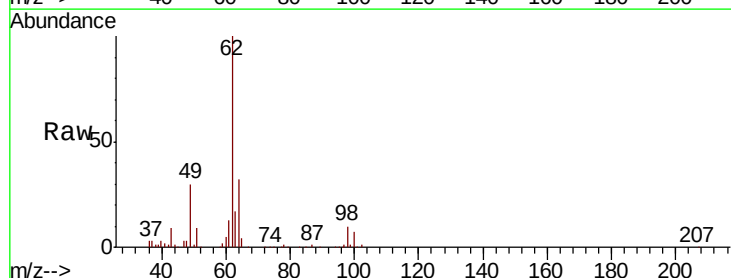
Acq: 24 Dec 2019 13:20

Tgt Ion: 62 Resp: 234498

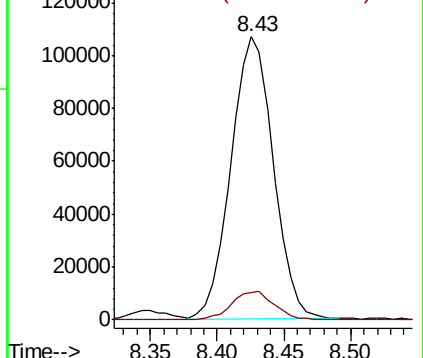
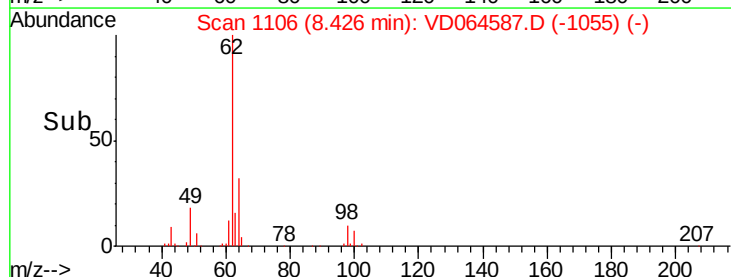
Ion Ratio Lower Upper

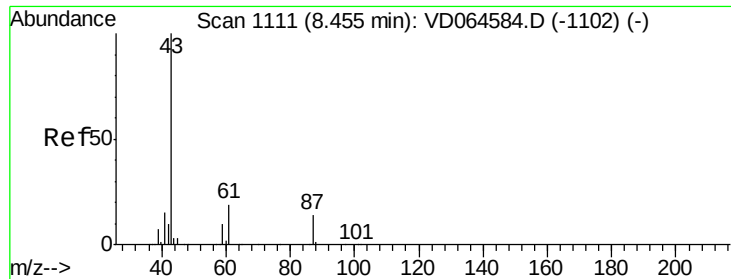
62 100

98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.245 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

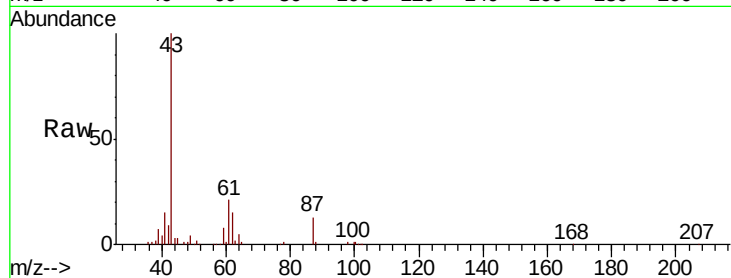
Tot Ion: 43 Resp: 231685

Ion Ratio Lower Upper

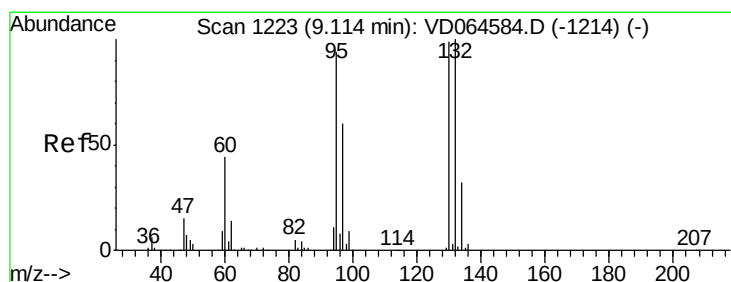
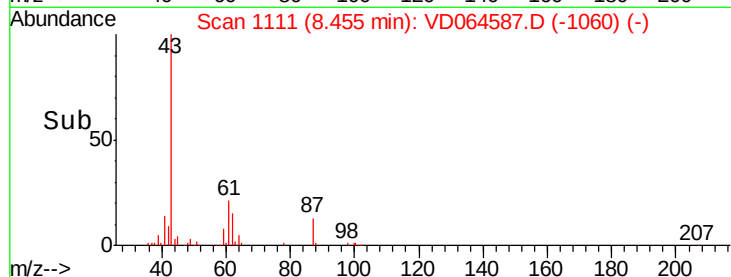
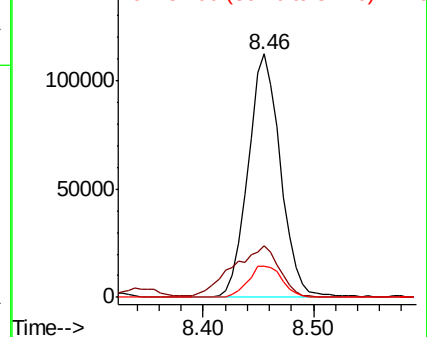
43 100

61 30.5 23.7 35.5

87 13.6 10.5 15.7



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: 50.612 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064587.D

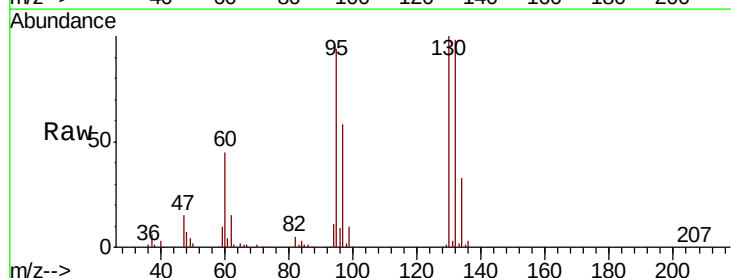
Acq: 24 Dec 2019 13:20

Tgt Ion:130 Resp: 249277

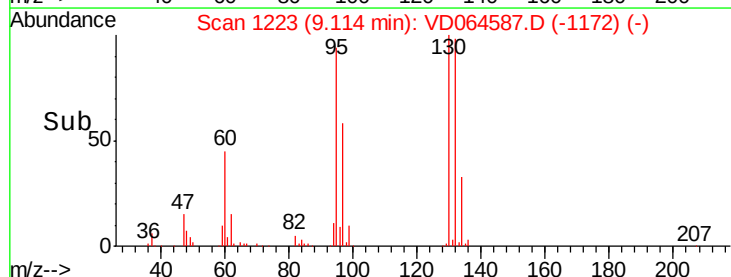
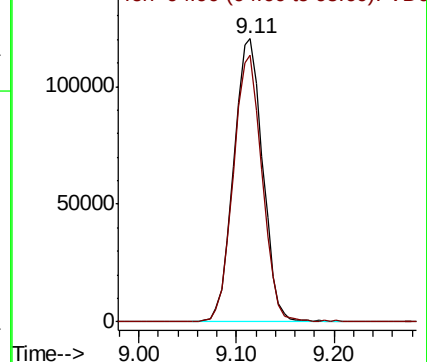
Ion Ratio Lower Upper

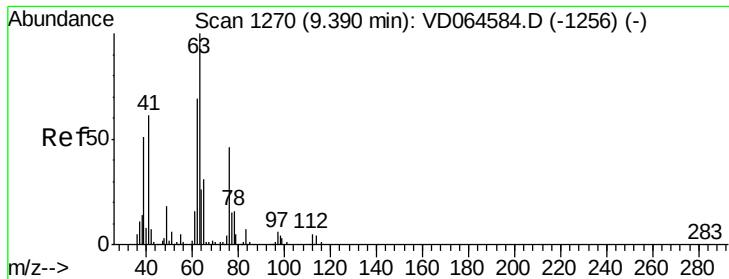
130 100

95 94.4 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 50.281 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

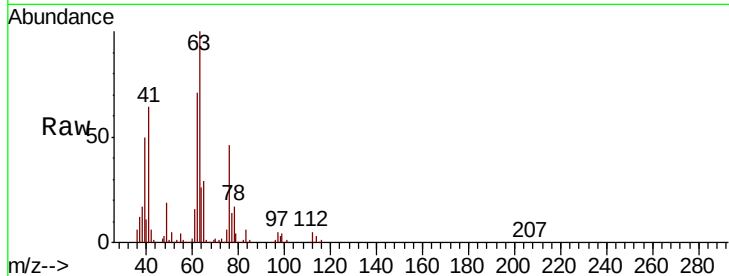
ClientSampleId :

Tot Ion: 63 Resp: 201276

Ion Ratio Lower Upper

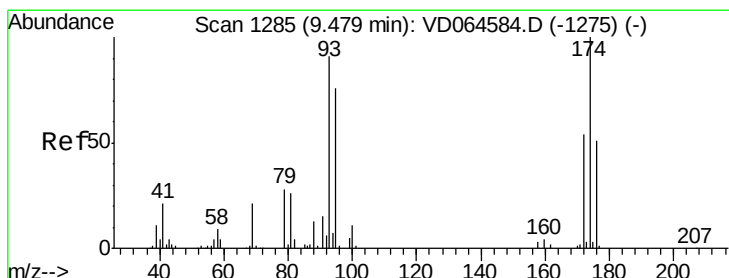
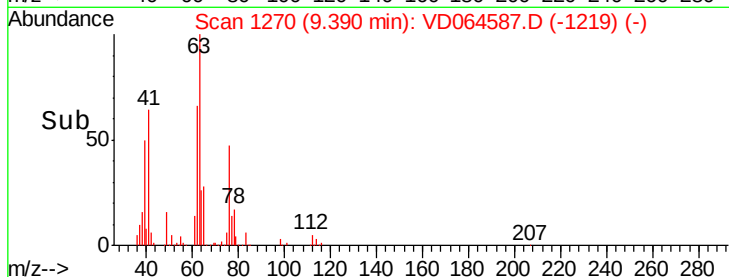
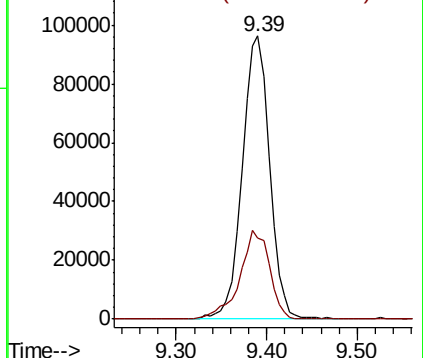
63 100

65 28.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.523 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

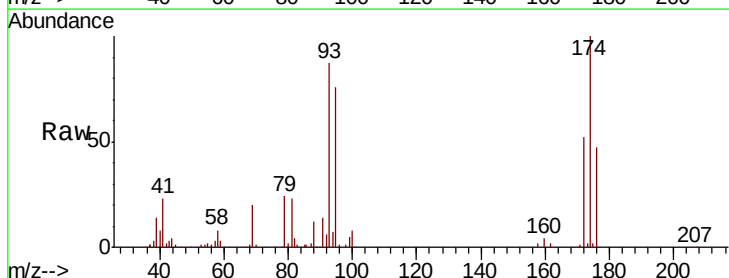
Tgt Ion: 93 Resp: 110526

Ion Ratio Lower Upper

93 100

95 83.6 64.6 97.0

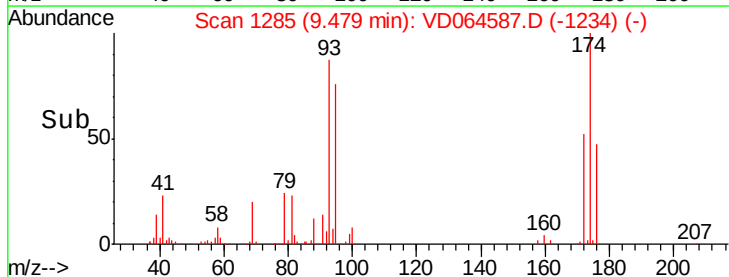
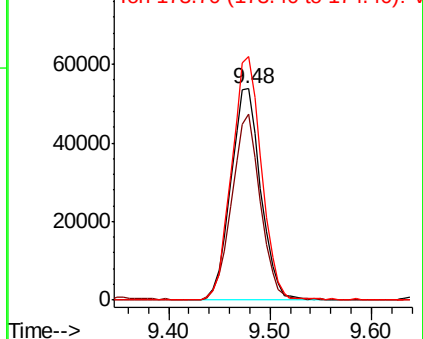
174 114.2 88.1 132.1

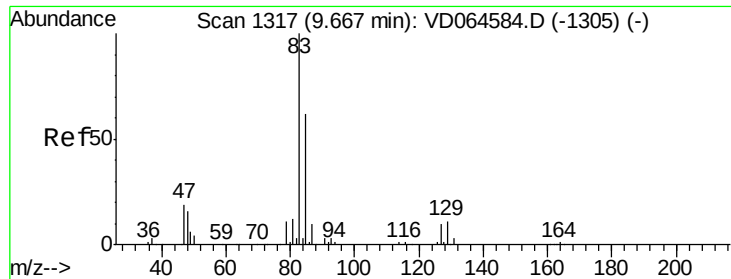


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

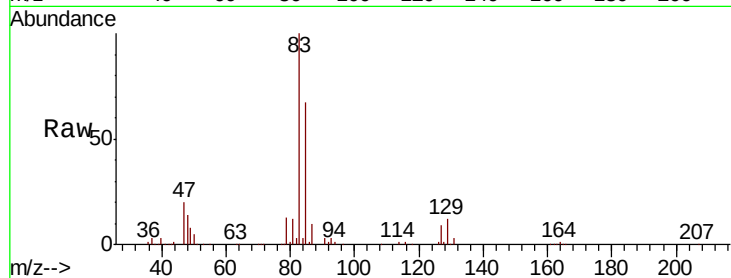




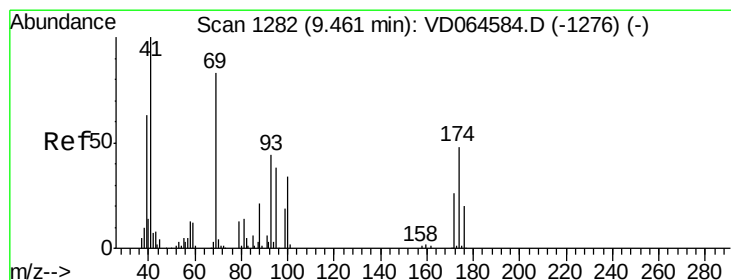
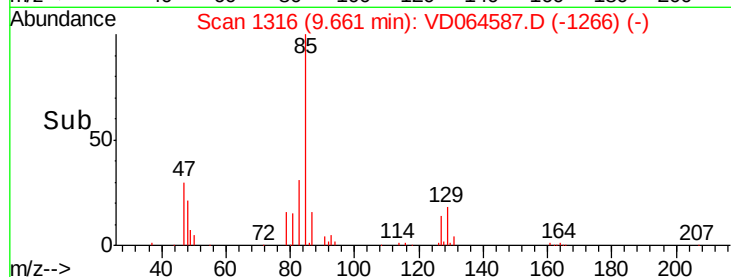
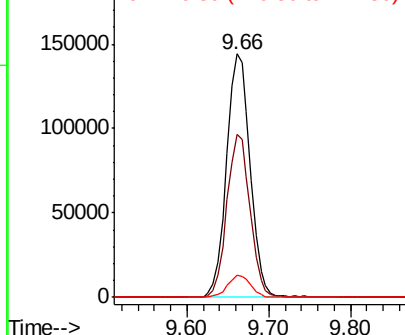
#47
Bromodichloromethane
Concen: 48.834 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	290018
Ion	Ratio	Lower	Upper
83	100		
85	67.0	49.5	74.3
127	9.2	7.8	11.6

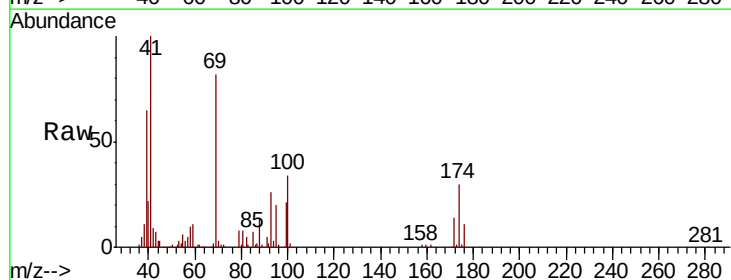


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

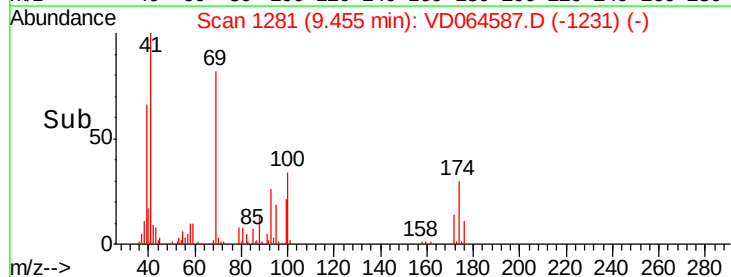
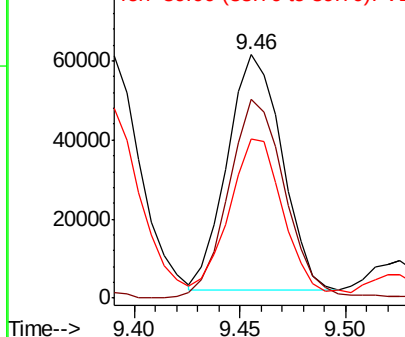


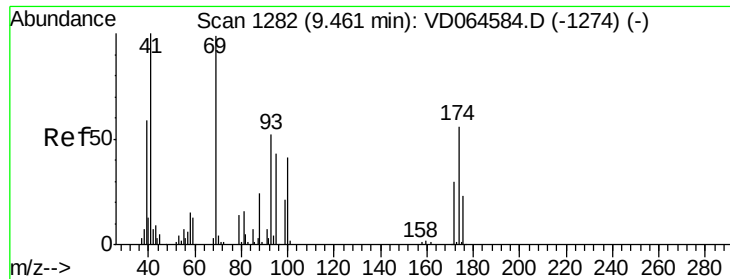
#48
Methyl methacrylate
Concen: 47.501 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	41	Resp	107408
Ion	Ratio	Lower	Upper
41	100		
69	87.9	63.0	94.6
39	62.6	47.4	71.2



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

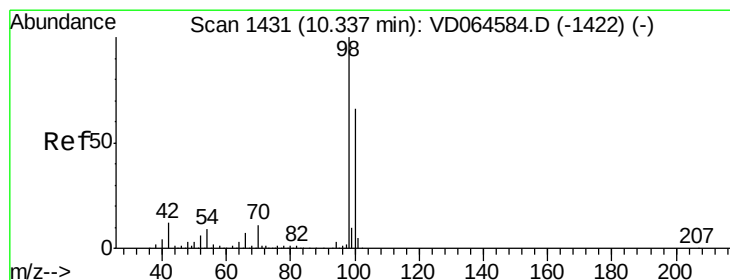
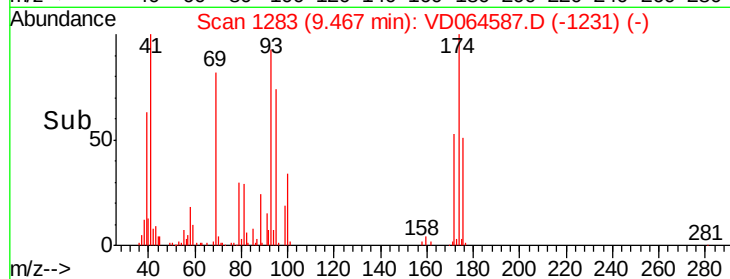
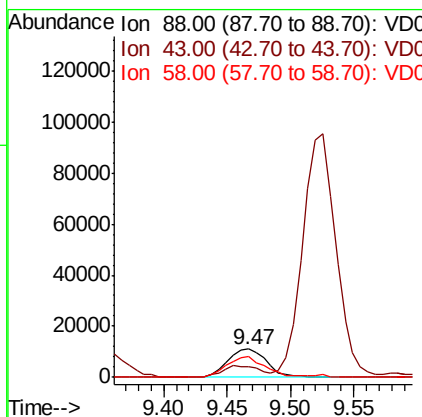
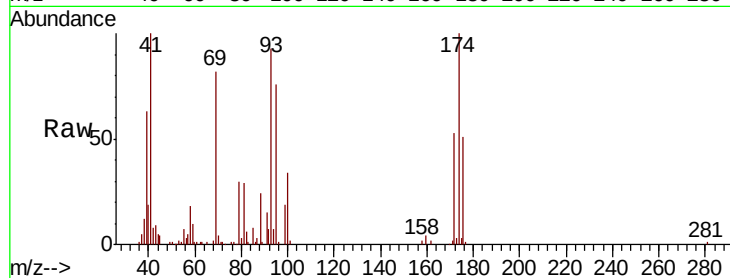




#49
1,4-Dioxane
Concen: 937.461 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

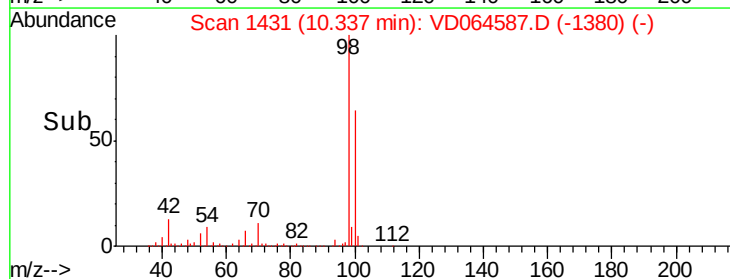
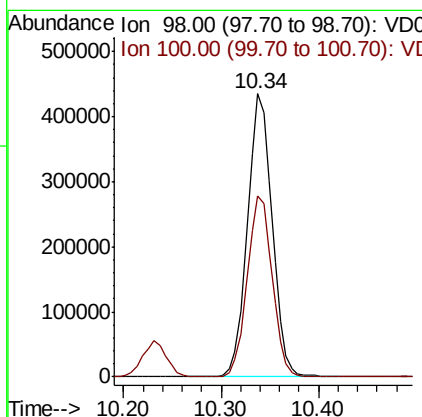
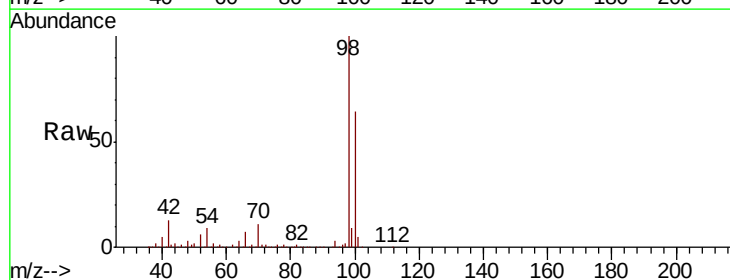
Instrument :
MSVOA_D
ClientSampleId :

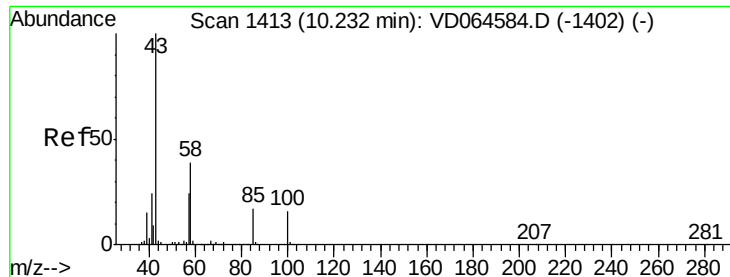
Tot Ion: 88 Resp: 24125
Ion Ratio Lower Upper
88 100
43 37.7 27.7 41.5
58 70.6 53.8 80.6



#50
Toluene-d8
Concen: 51.040 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 98 Resp: 765243
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

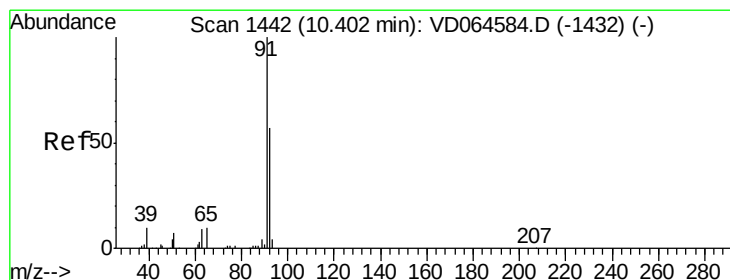
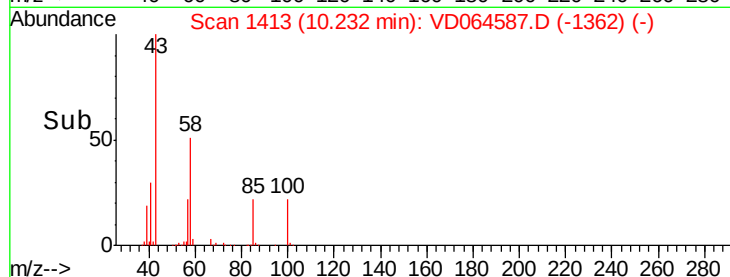
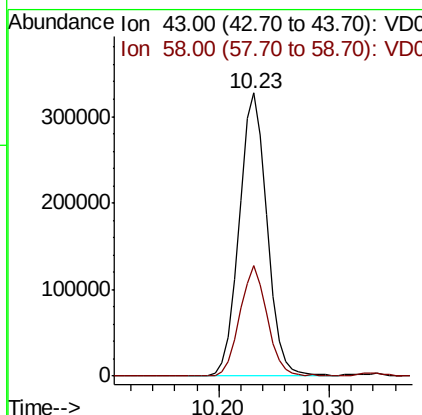
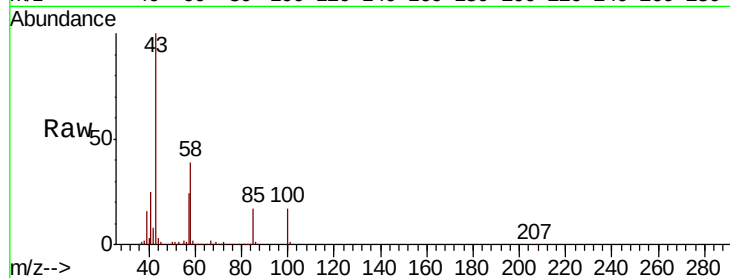




#51
4-Methyl-2-Pentanone
Concen: 244.231 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

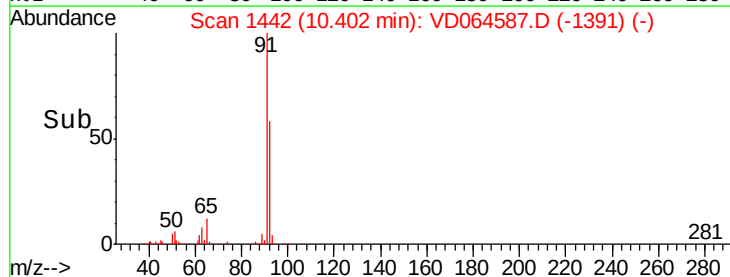
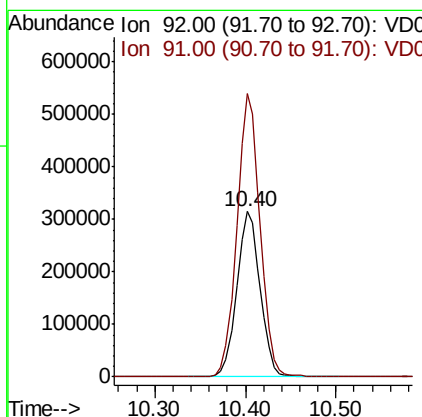
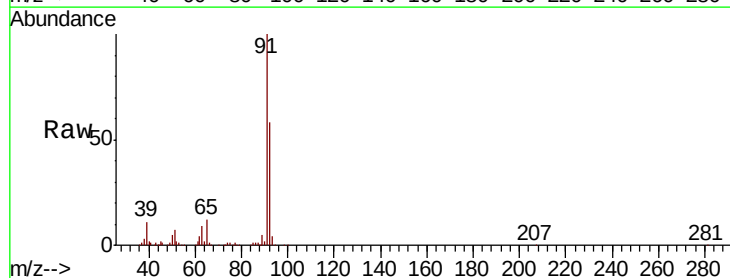
Instrument :
MSVOA_D
ClientSampled :

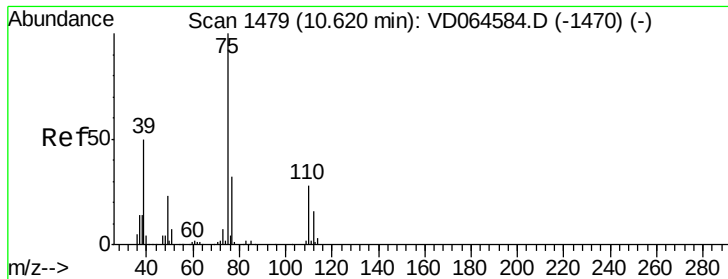
Tot Ion: 43 Resp: 579721
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.2



#52
Toluene
Concen: 51.162 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 92 Resp: 562764
Ion Ratio Lower Upper
92 100
91 169.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 51.188 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

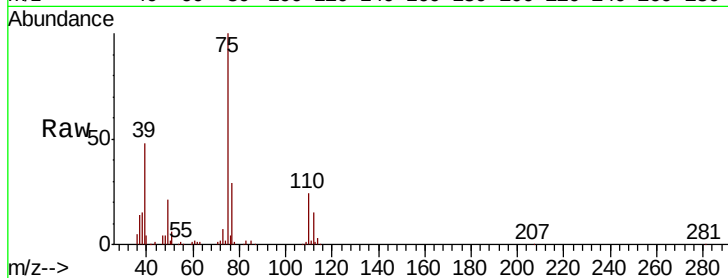
ClientSampleId :

Tot Ion: 75 Resp: 283423

Ion Ratio Lower Upper

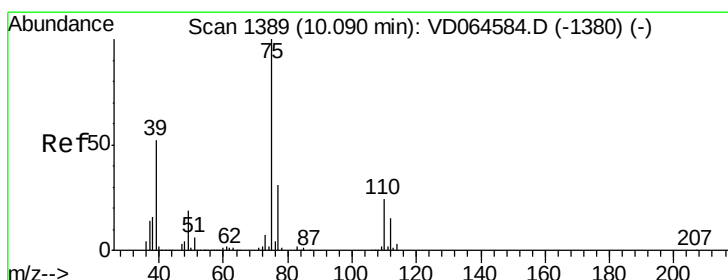
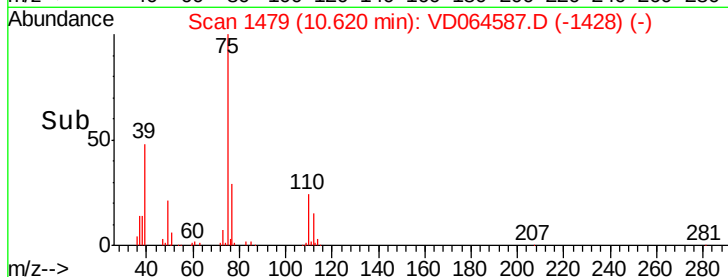
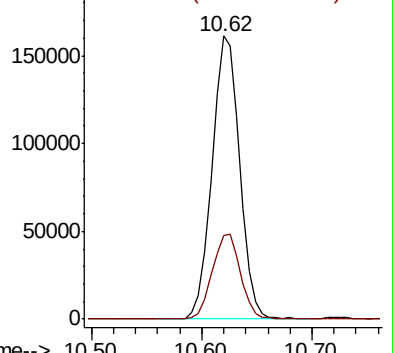
75 100

77 29.5 25.4 38.2



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: 51.240 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

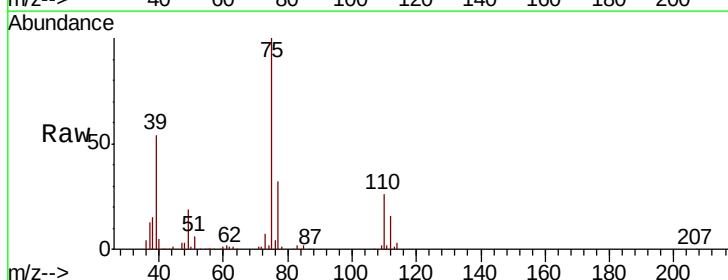
Tgt Ion: 75 Resp: 334529

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

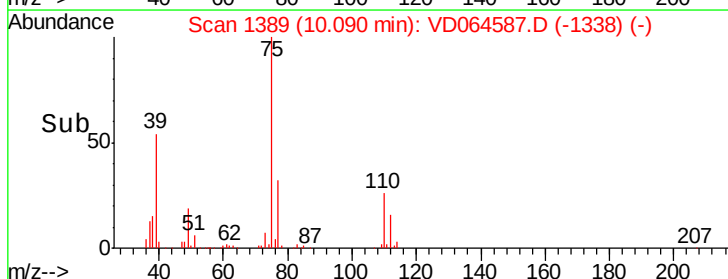
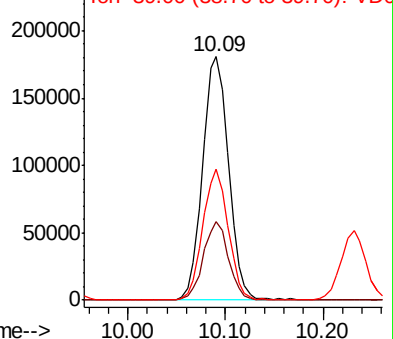
39 53.5 41.4 62.2

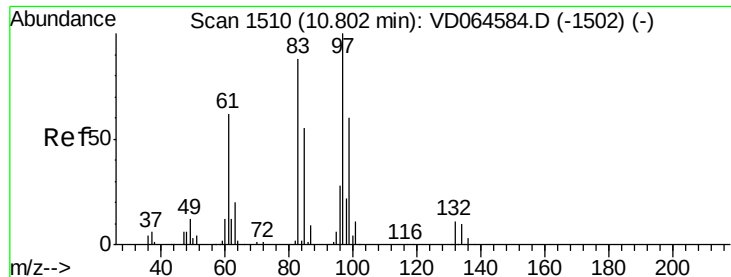


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

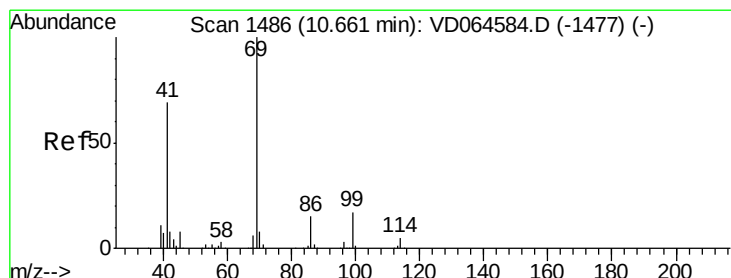
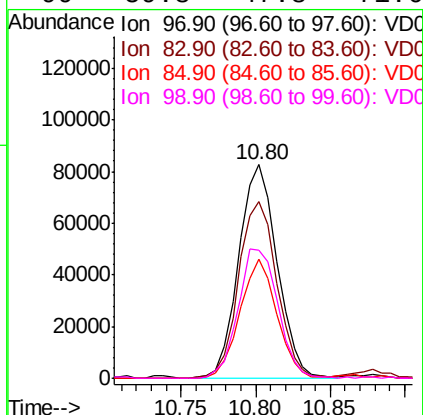
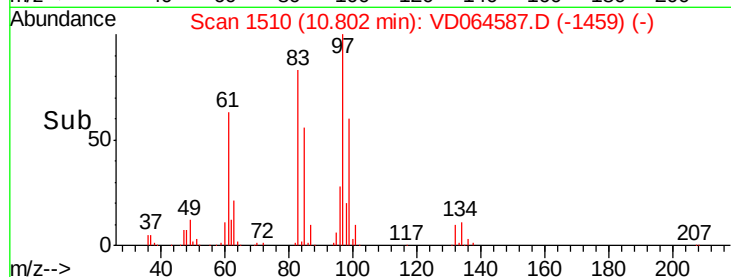
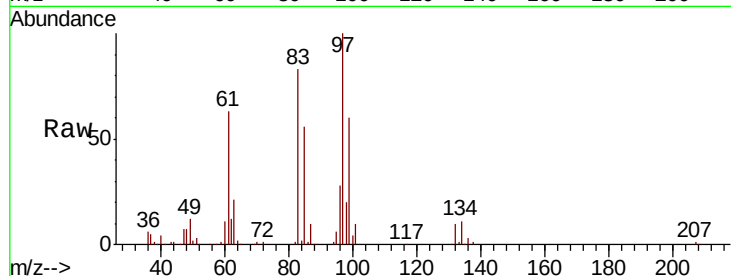




#55
 1,1,2-Trichloroethane
 Concen: 49.055 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

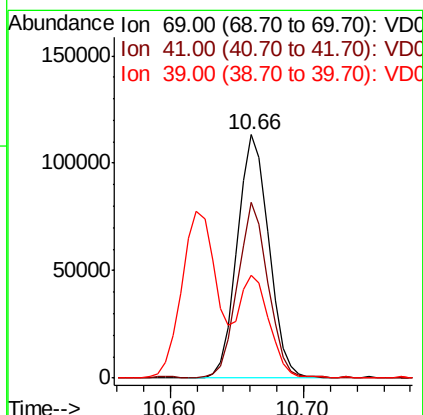
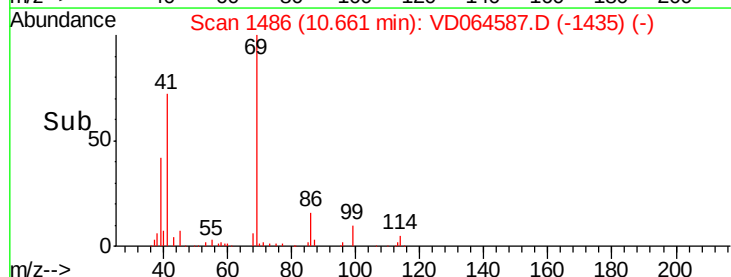
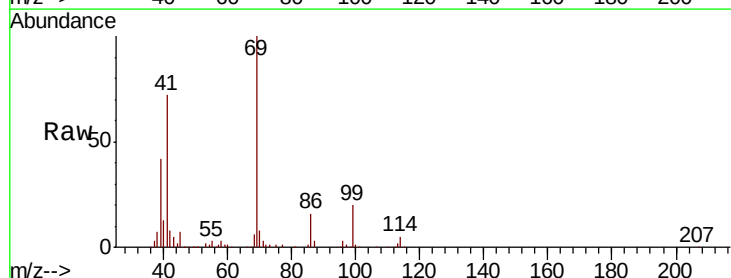
Instrument :
 MSVOA_D
 ClientSampleId :

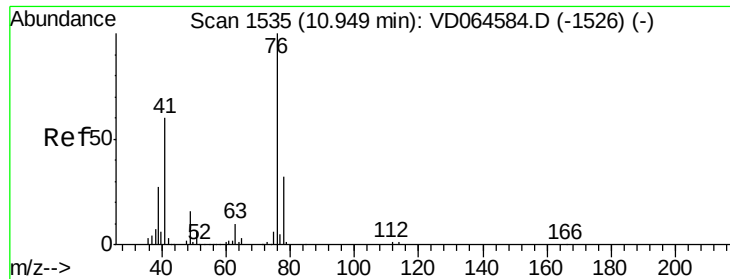
Tot Ion	97	Resp	147544
Ion Ratio	Lower	Upper	
97	100		
83	82.8	70.2	105.4
85	55.9	44.0	66.0
99	59.8	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 49.494 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	69	Resp	185916
Ion Ratio	Lower	Upper	
69	100		
41	69.2	55.3	82.9
39	40.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 48.708 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

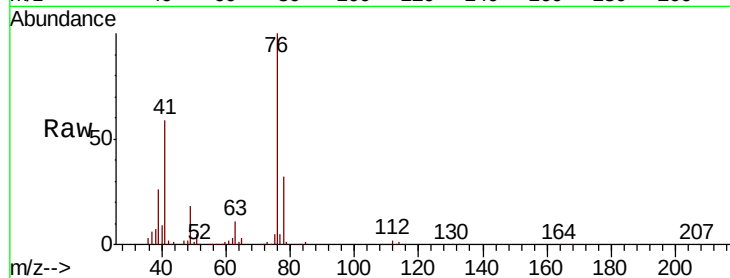
ClientSampleId :

Tot Ion: 76 Resp: 252245

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

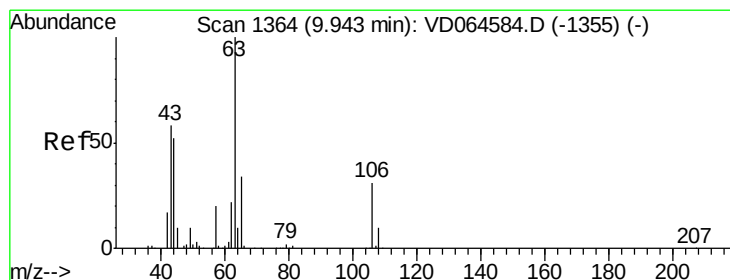
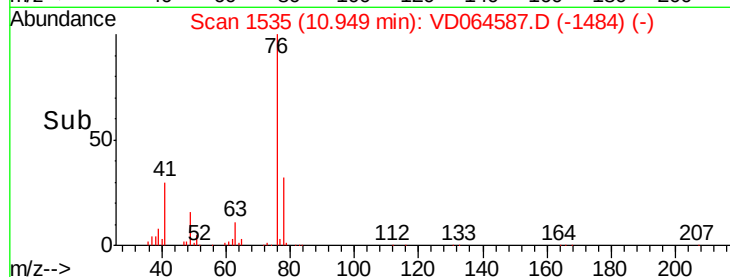
100000

50000

0

Time-->

10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 235.527 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064587.D

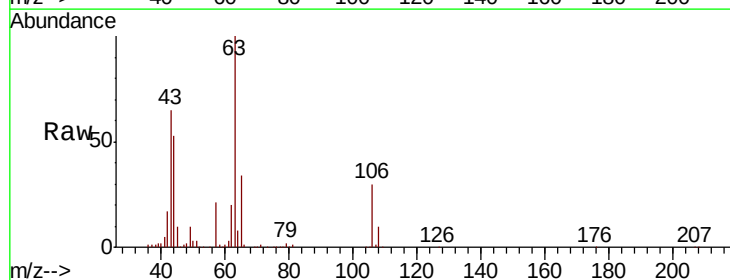
Acq: 24 Dec 2019 13:20

Tgt Ion: 63 Resp: 337068

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

150000

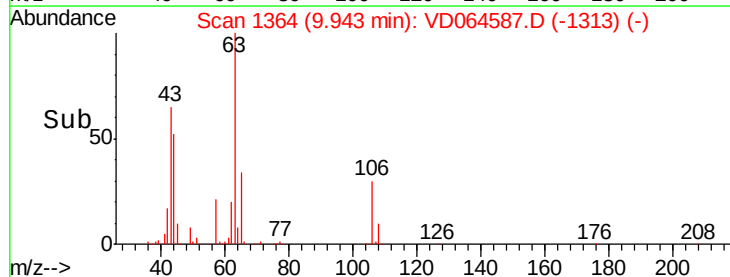
100000

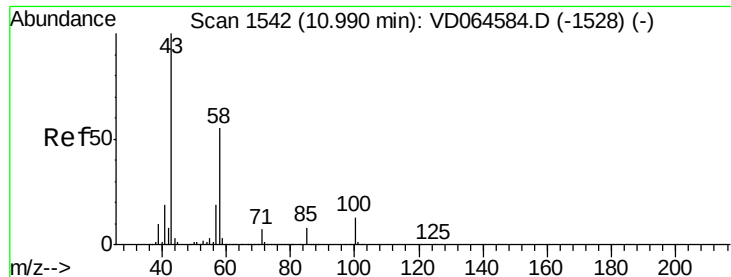
50000

0

Time-->

9.90 10.00

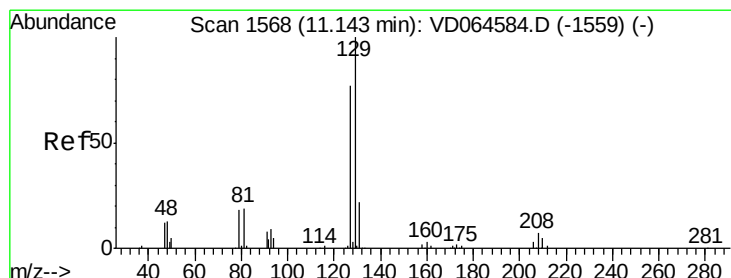
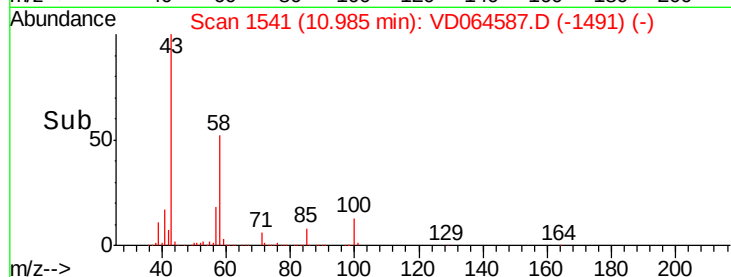
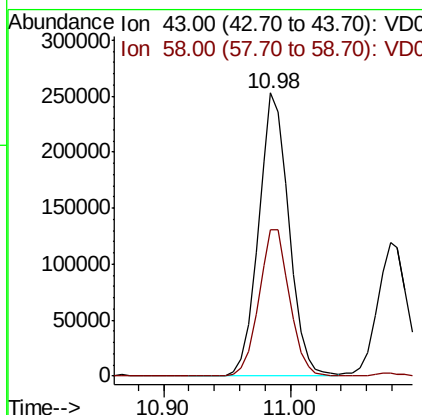
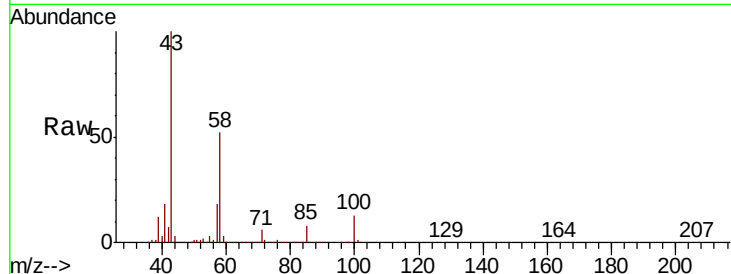




#59
2-Hexanone
Concen: 259.829 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

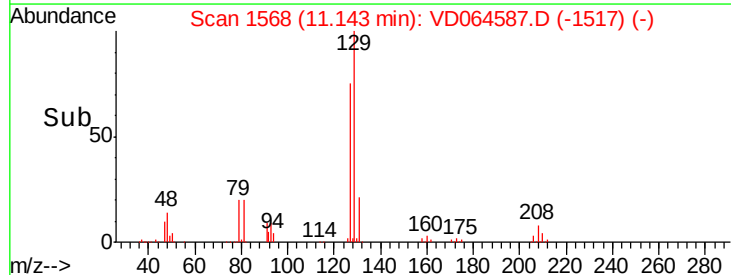
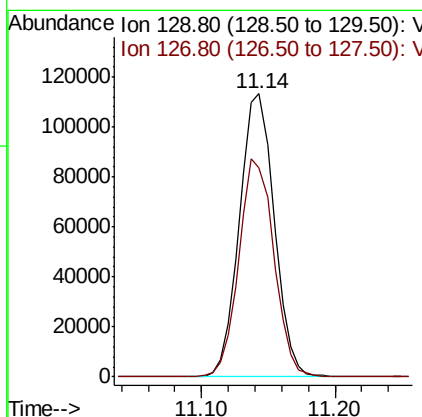
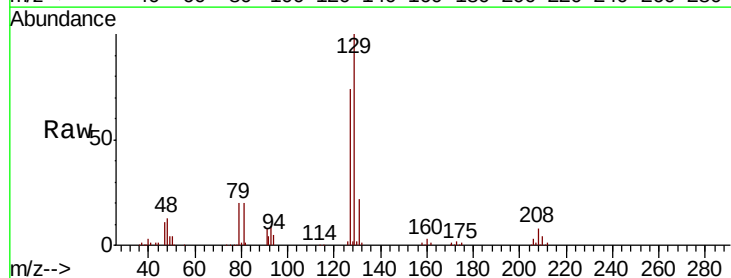
Instrument :
MSVOA_D
ClientSampled :

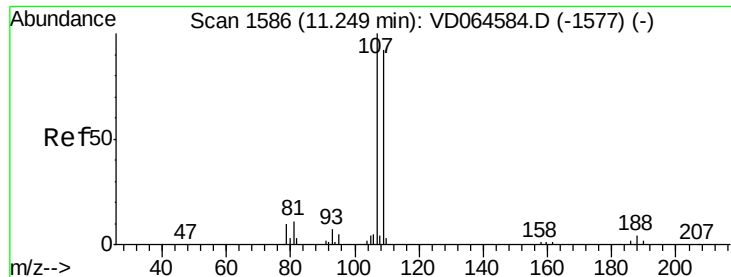
Tot Ion: 43 Resp: 418599
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0



#60
Dibromochloromethane
Concen: 49.253 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 129 Resp: 204860
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2

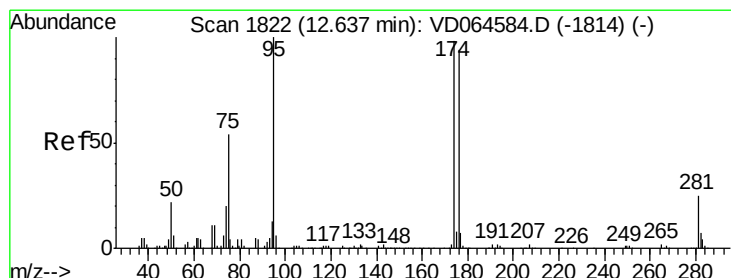
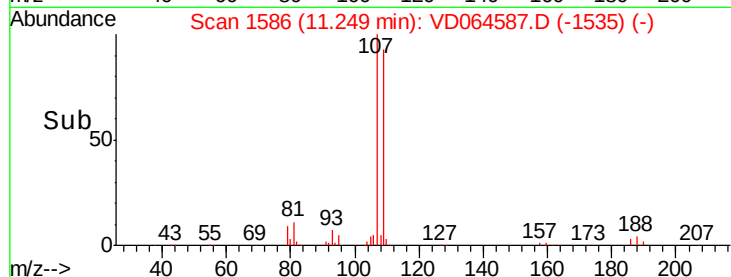
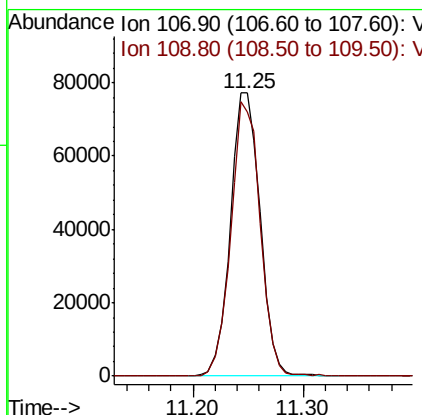
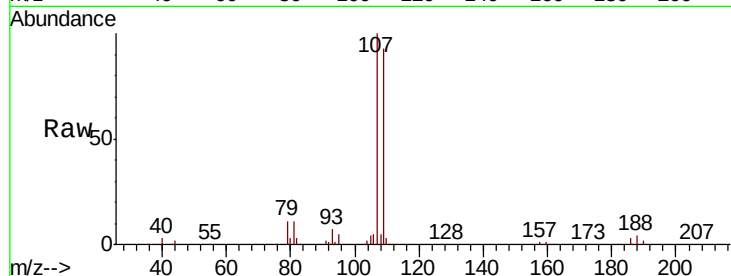




#61
 1,2-Dibromoethane
 Concen: 49.085 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

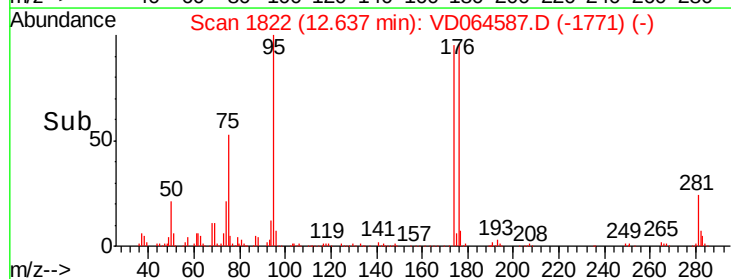
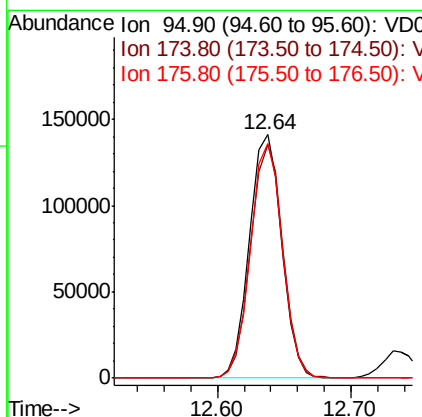
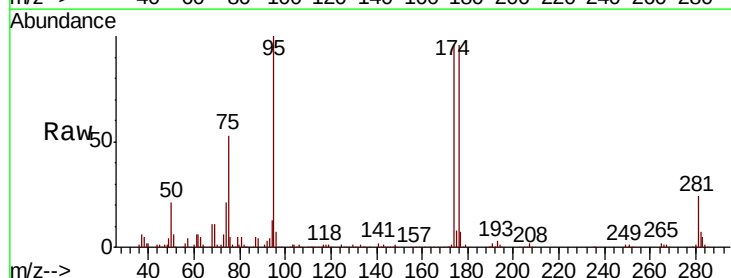
Instrument :
 MSVOA_D
 ClientSampleId :

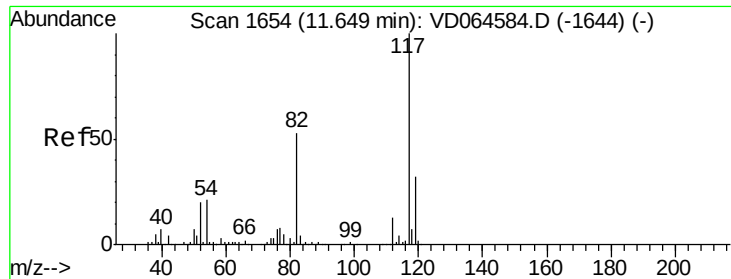
Tot Ion: 107 Resp: 145615
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.693 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion: 95 Resp: 235594
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 193.2
 176 95.0 0.0 184.2

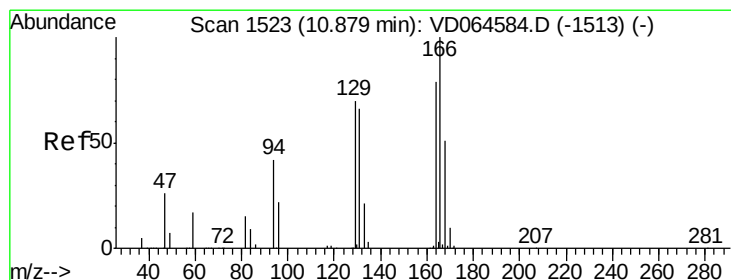
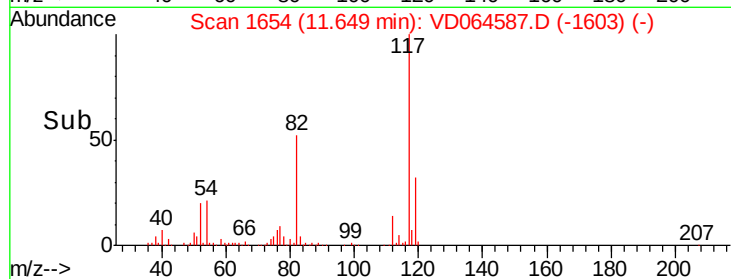
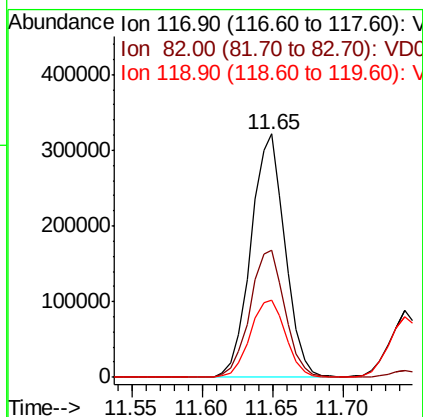
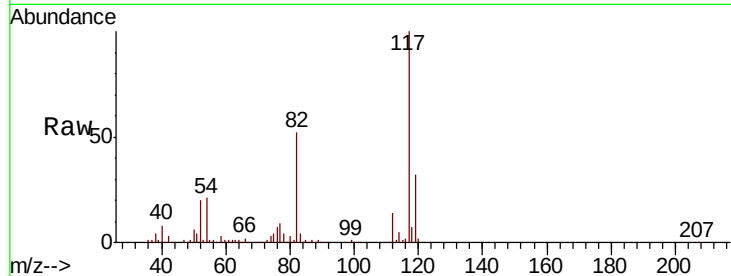




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

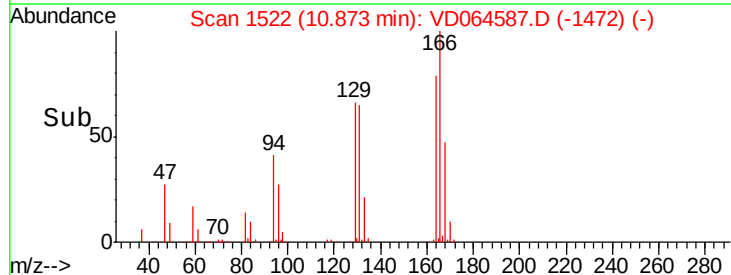
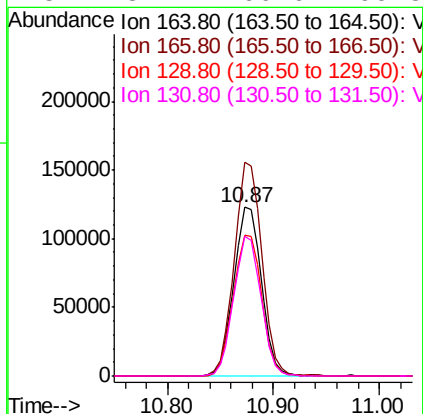
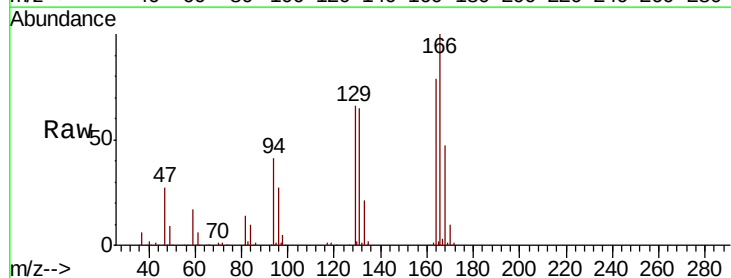
Instrument :
MSVOA_D
ClientSampleId :

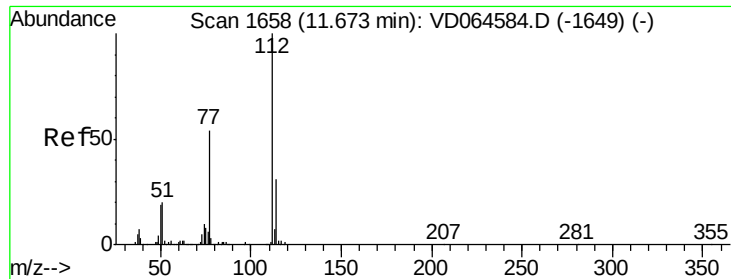
Tot Ion:117 Resp: 545148
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.4
119 31.6 26.0 39.0



#64
Tetrachloroethene
Concen: 53.241 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion:164 Resp: 222669
Ion Ratio Lower Upper
164 100
166 126.6 101.3 151.9
129 83.2 70.5 105.7
131 82.7 66.6 99.8

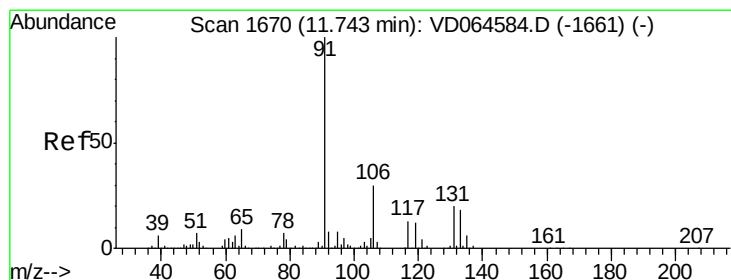
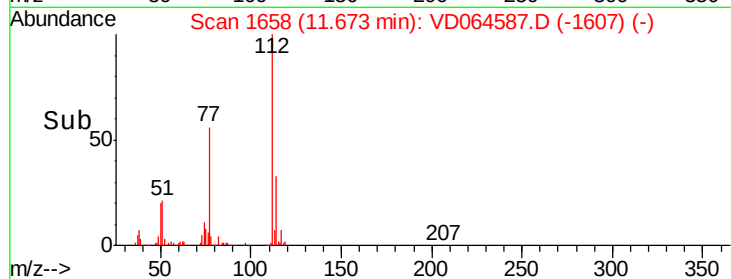
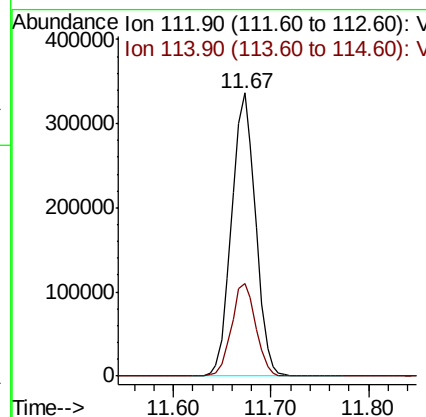
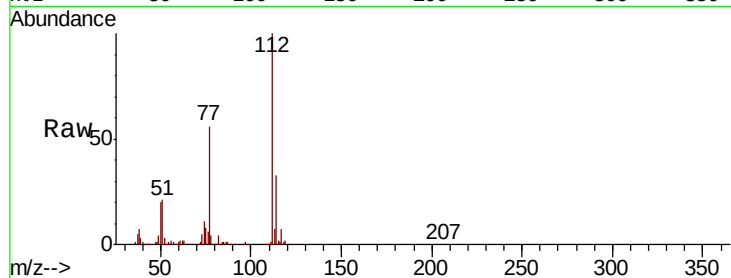




#65
Chlorobenzene
Concen: 50.683 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

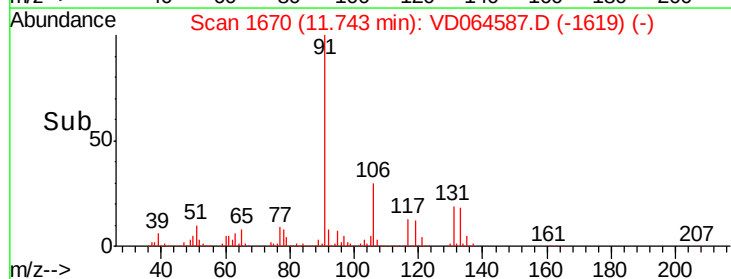
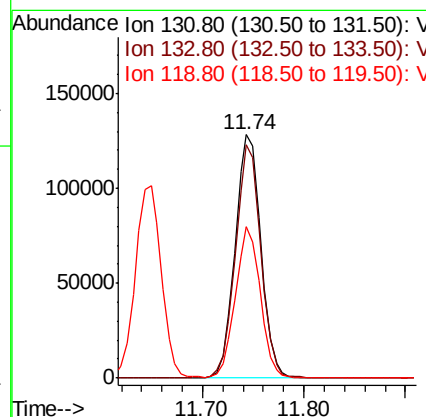
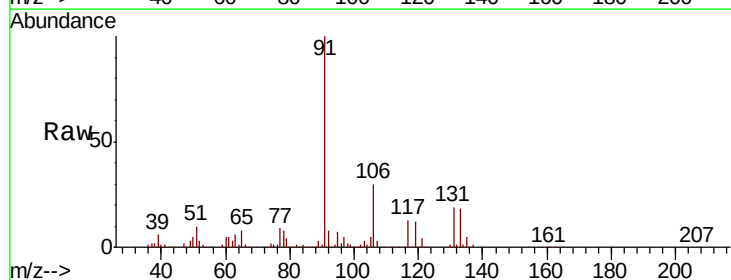
Instrument :
MSVOA_D
ClientSampleId :

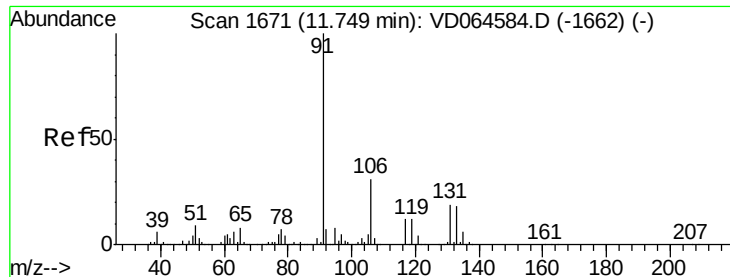
Tot Ion:112 Resp: 573447
Ion Ratio Lower Upper
112 100
114 32.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.920 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion:131 Resp: 225722
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.8
119 60.4 32.1 96.3





#67

Ethyl Benzene

Concen: 52.590 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

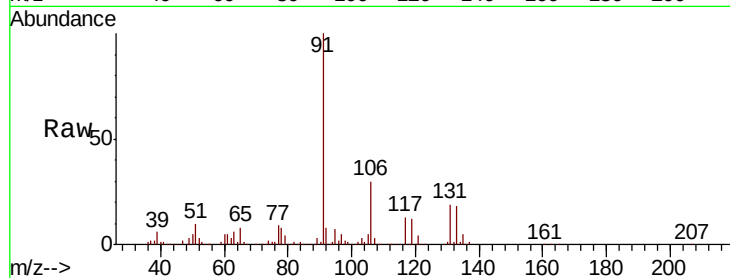
ClientSampleId :

Tot Ion: 91 Resp: 1080018

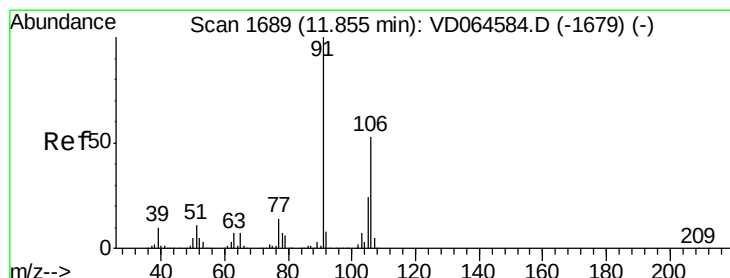
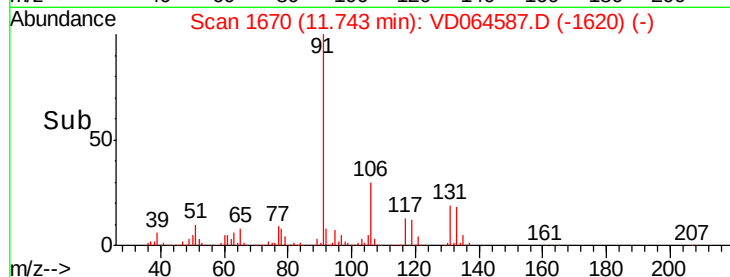
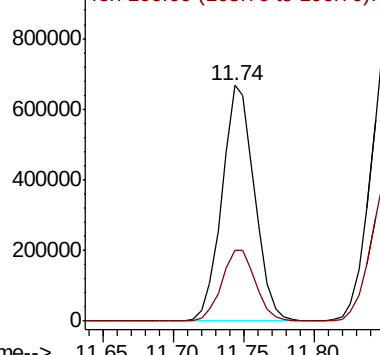
Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 106.535 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064587.D

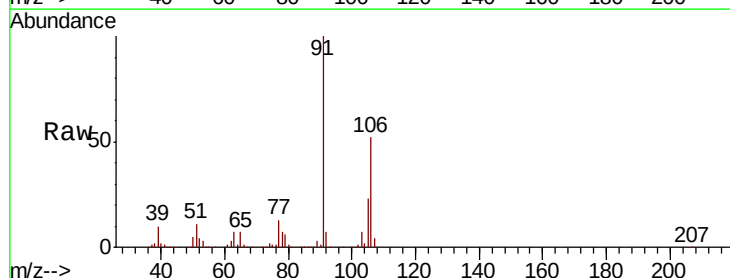
Acq: 24 Dec 2019 13:20

Tgt Ion: 106 Resp: 844462

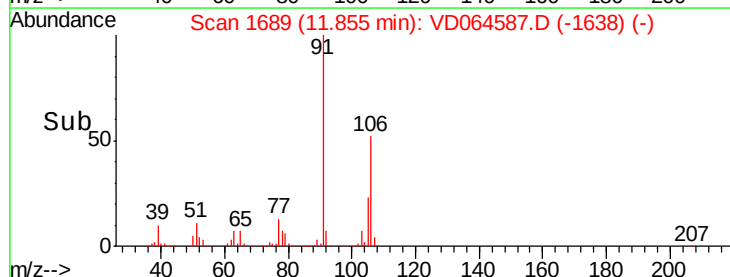
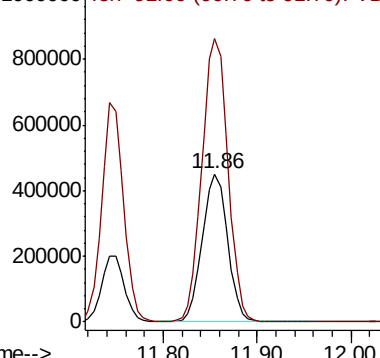
Ion Ratio Lower Upper

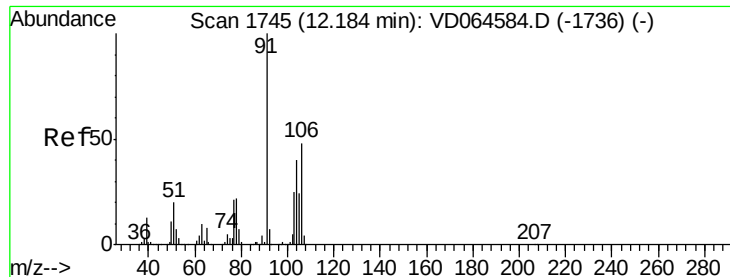
106 100

91 196.2 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

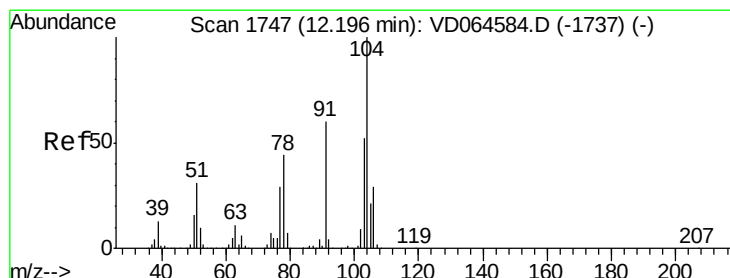
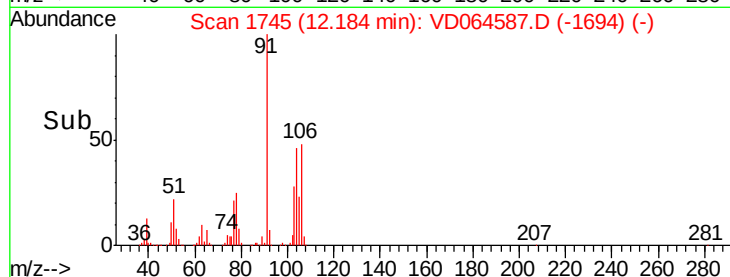
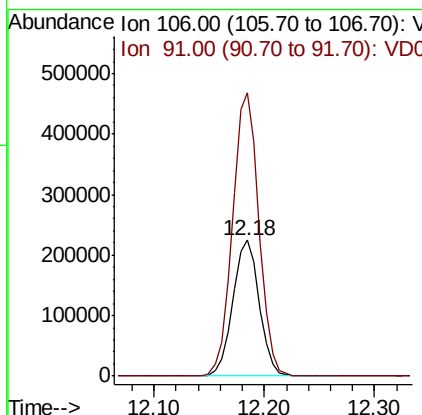
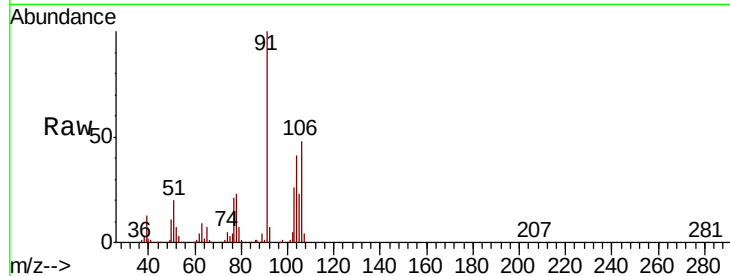




#69
o-Xylene
Concen: 52.659 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

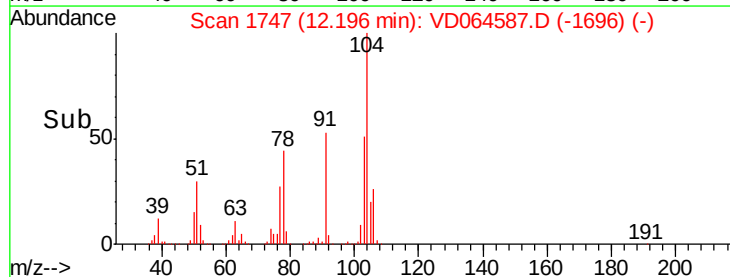
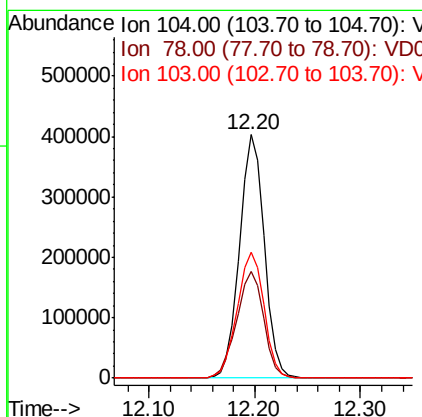
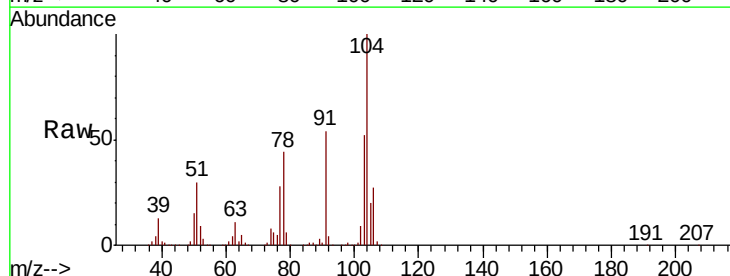
Instrument :
MSVOA_D
ClientSampled :

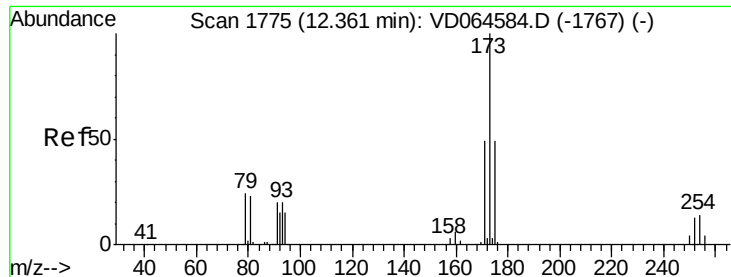
Tot Ion:106 Resp: 377023
Ion Ratio Lower Upper
106 100
91 207.7 104.8 314.4



#70
Styrene
Concen: 51.828 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion:104 Resp: 651343
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 56.1 44.6 67.0





#71

Bromoform

Concen: 50.671 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampled :

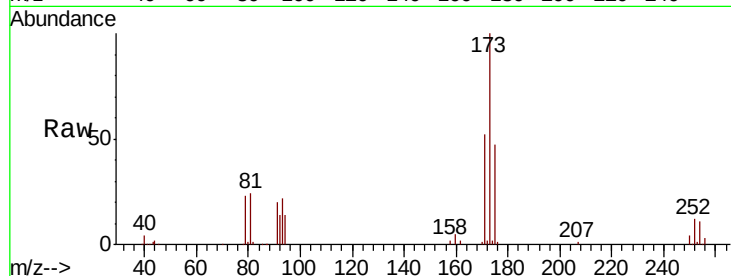
Tot Ion:173 Resp: 123254

Ion Ratio Lower Upper

173 100

175 48.8 24.6 73.8

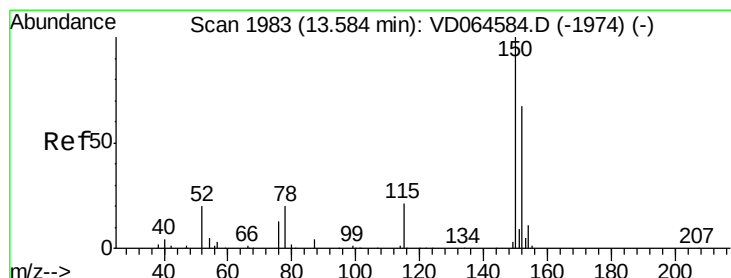
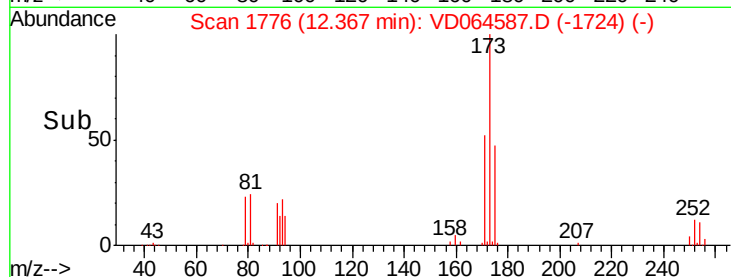
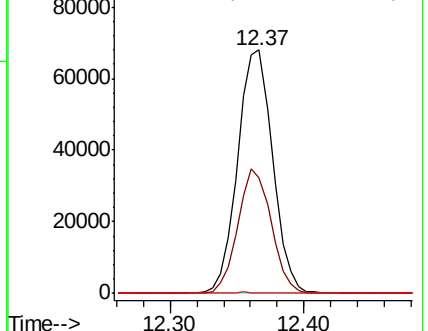
254 0.2 0.1 0.1#



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: VD064587.D

Acq: 24 Dec 2019 13:20

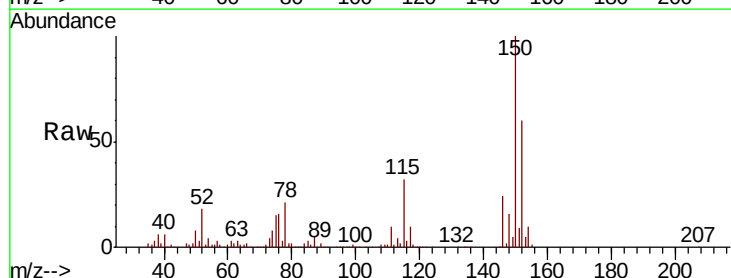
Tgt Ion:152 Resp: 274750

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.4

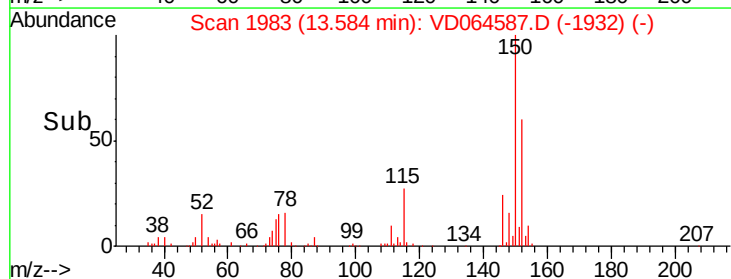
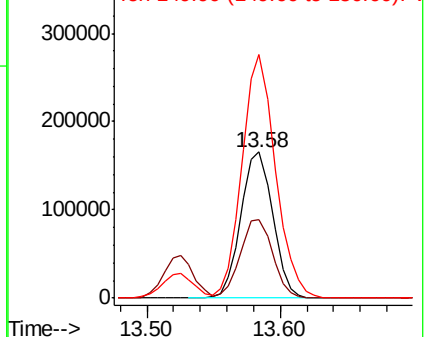
150 174.1 0.0 351.4

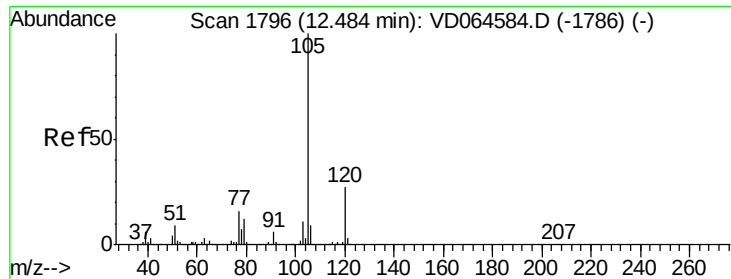


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

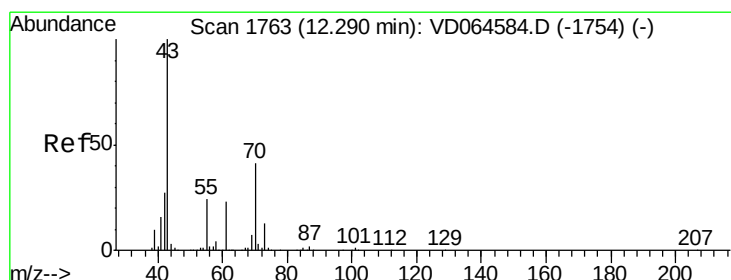
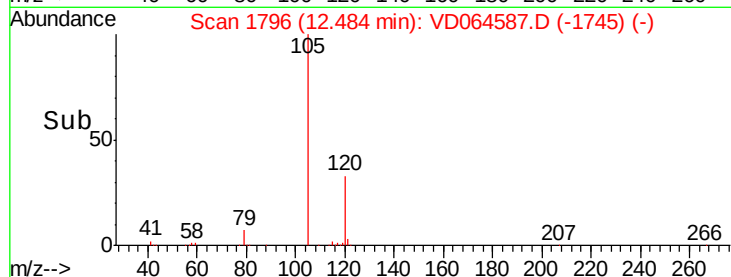
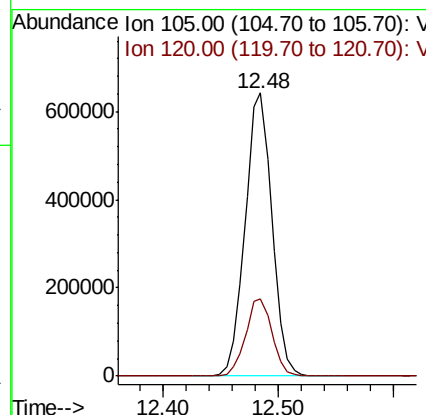
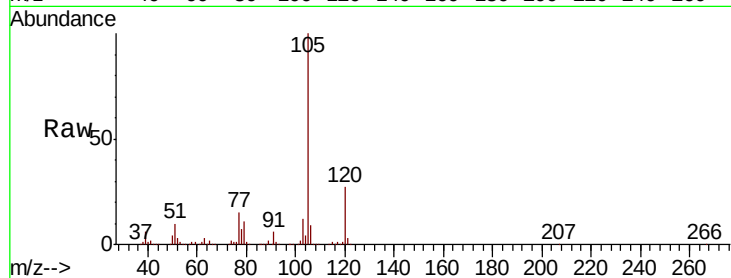




#73
Isopropylbenzene
Concen: 52.569 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

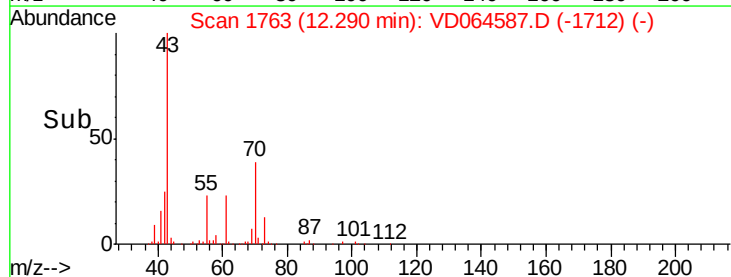
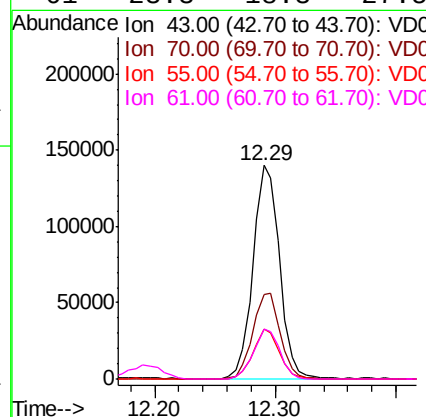
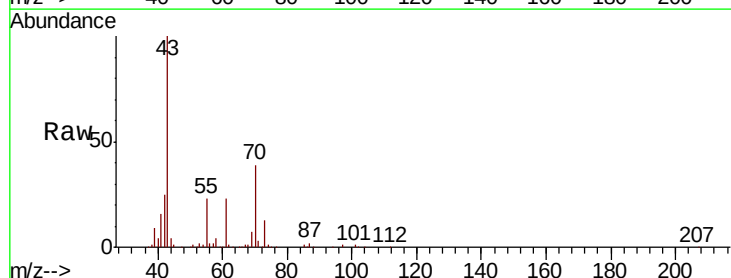
Instrument :
MSVOA_D
ClientSampleId :

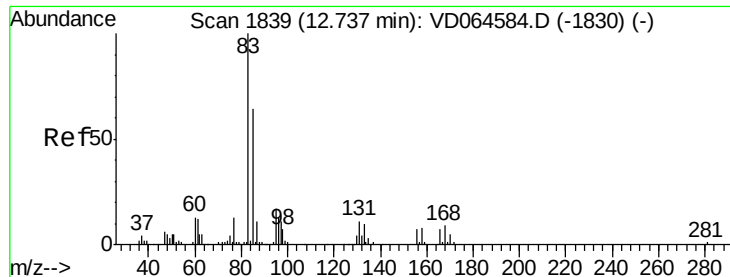
Tot Ion:105 Resp: 1032159
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5



#74
N-ethyl acetate
Concen: 51.252 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 43 Resp: 215108
Ion Ratio Lower Upper
43 100
70 41.4 33.4 50.0
55 23.2 19.4 29.0
61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.071 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

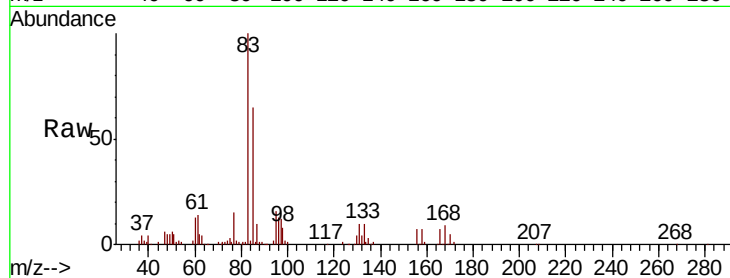
Tot Ion: 83 Resp: 151353

Ion Ratio Lower Upper

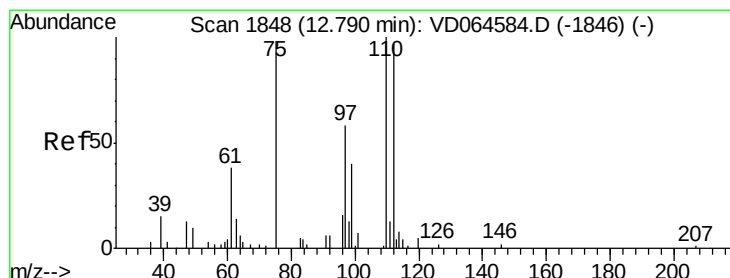
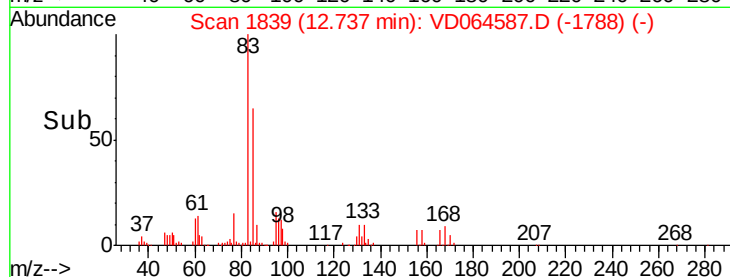
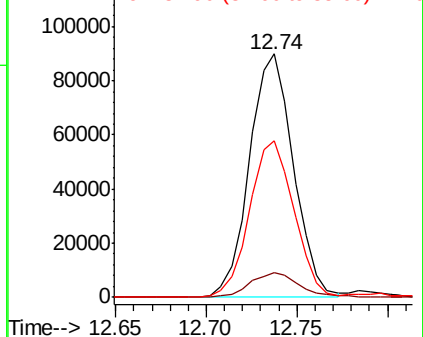
83 100

131 11.7 5.8 17.4

85 65.0 32.3 96.9



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: 94.973 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064587.D

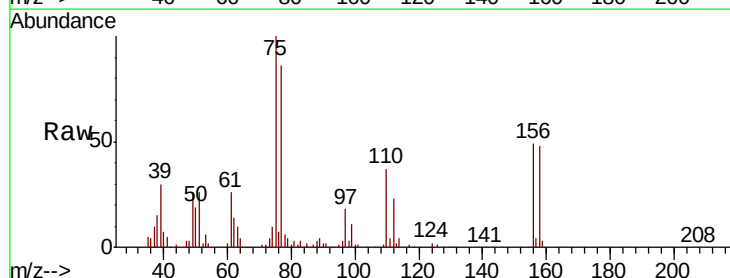
Acq: 24 Dec 2019 13:20

Tgt Ion: 75 Resp: 206053

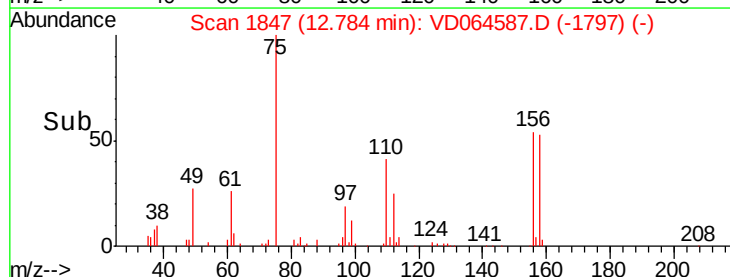
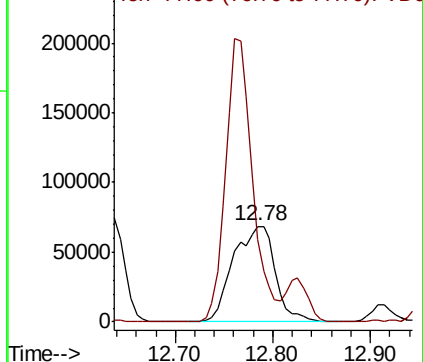
Ion Ratio Lower Upper

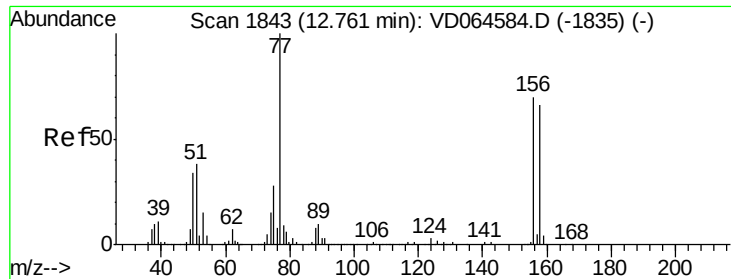
75 100

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: 50.744 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

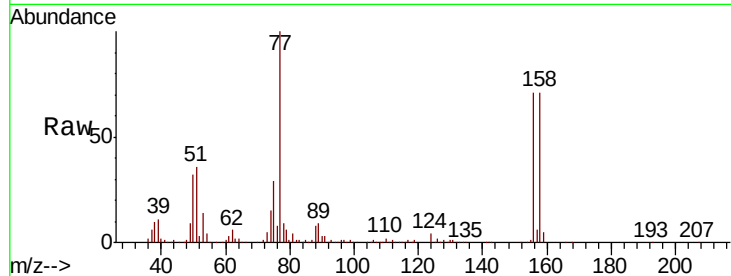
Tot Ion:156 Resp: 244810

Ion Ratio Lower Upper

156 100

77 159.7 80.9 242.7

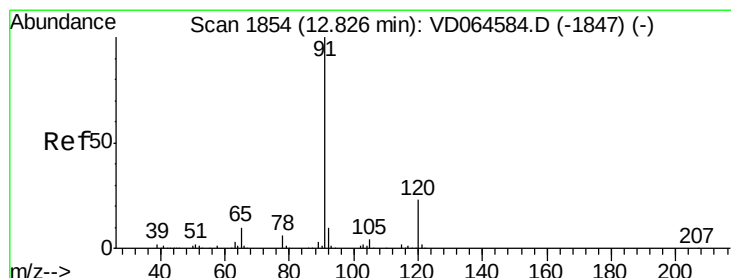
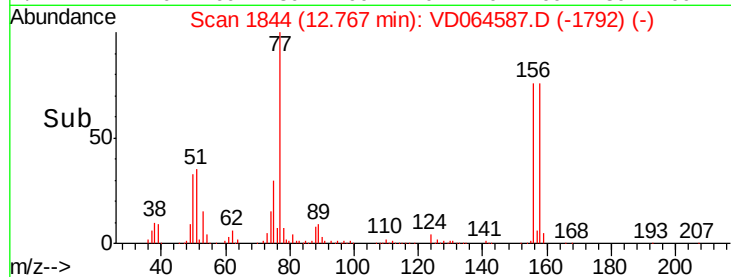
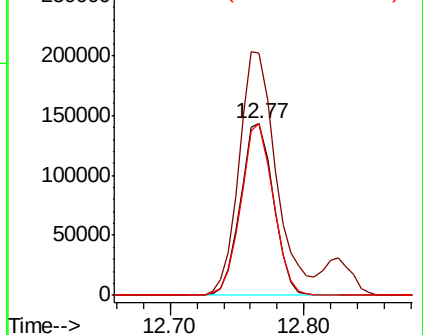
158 98.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.076 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064587.D

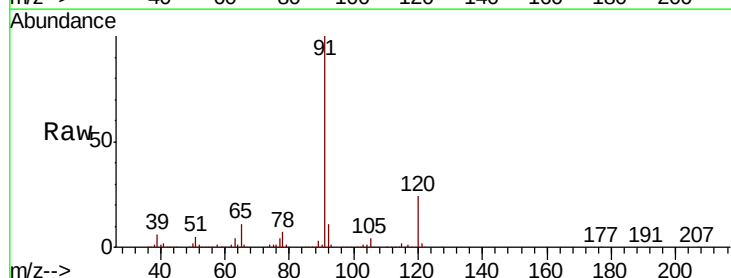
Acq: 24 Dec 2019 13:20

Tgt Ion: 91 Resp: 1215746

Ion Ratio Lower Upper

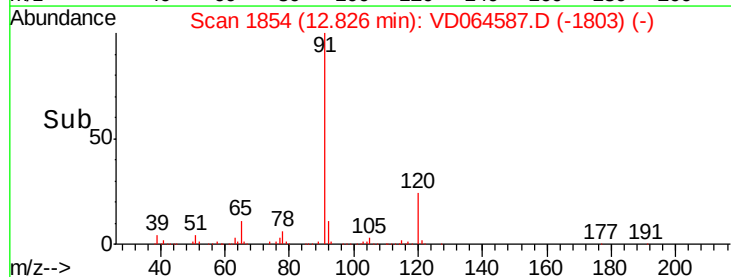
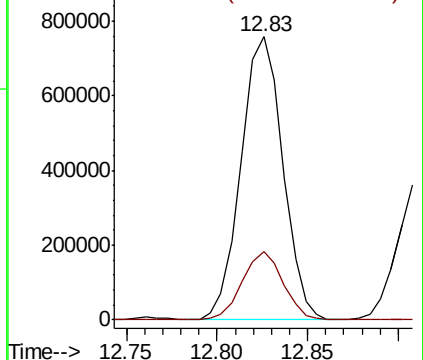
91 100

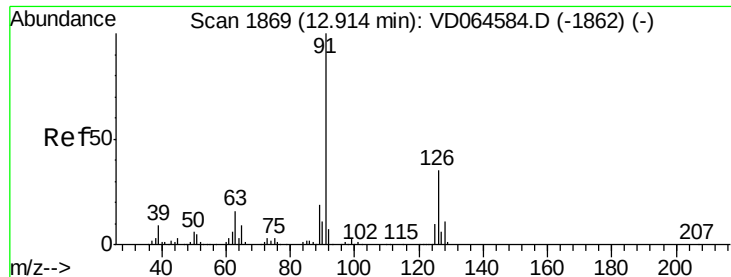
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.111 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

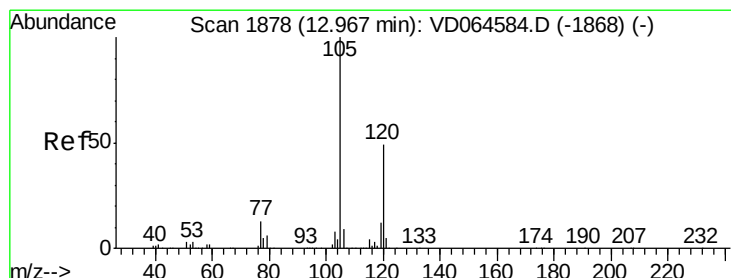
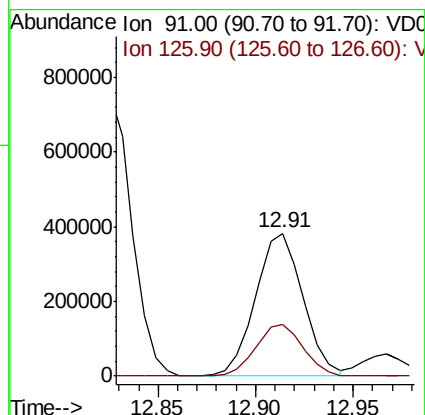
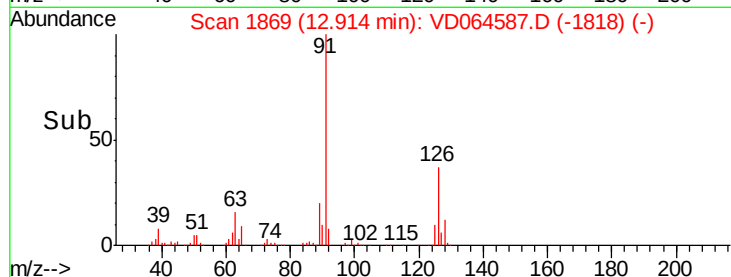
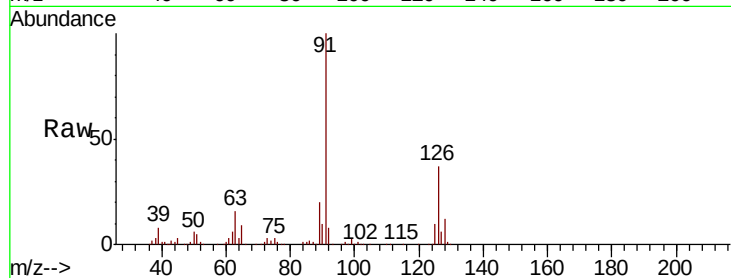
ClientSampled :

Tot Ion: 91 Resp: 643138

Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 52.698 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064587.D

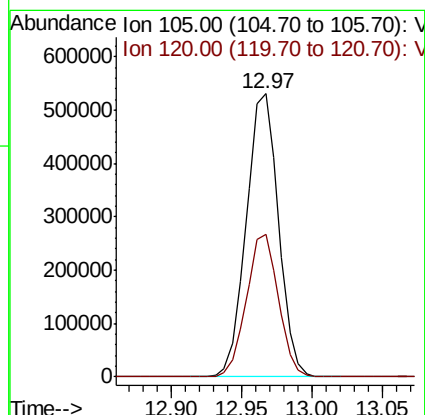
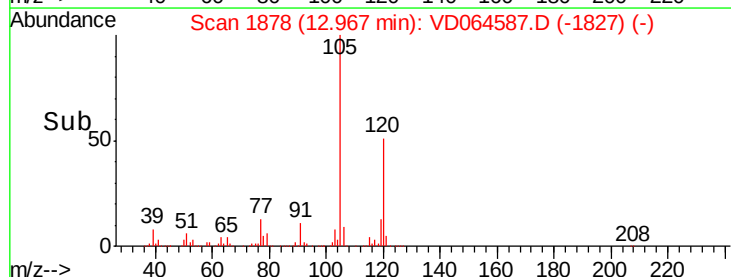
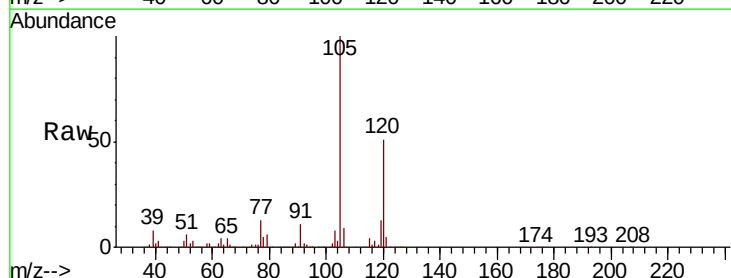
Acq: 24 Dec 2019 13:20

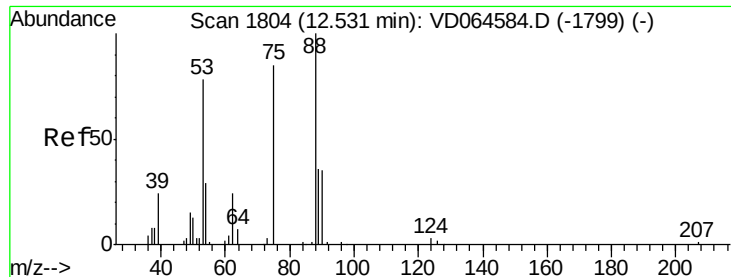
Tgt Ion: 105 Resp: 849941

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.786 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

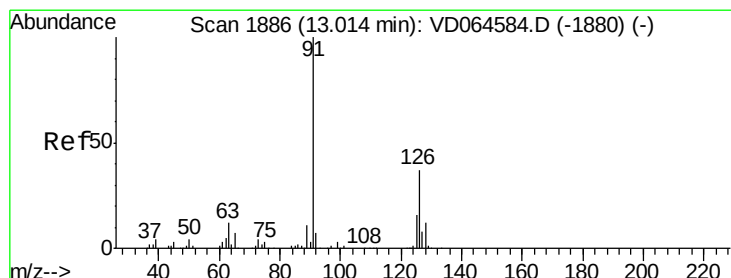
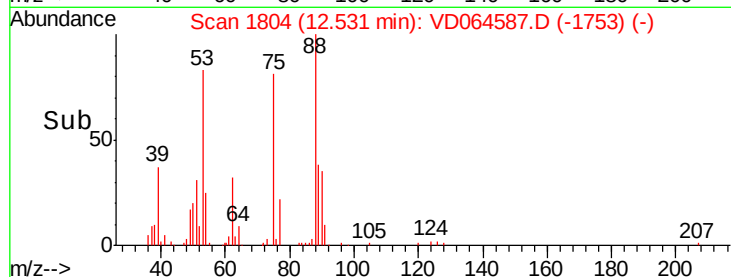
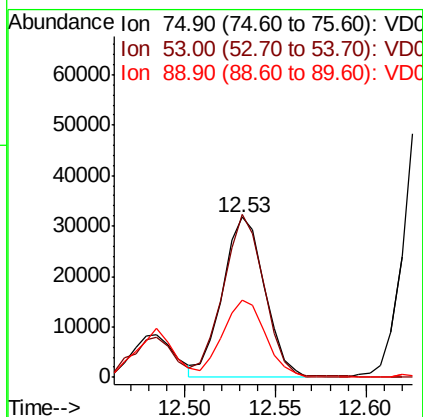
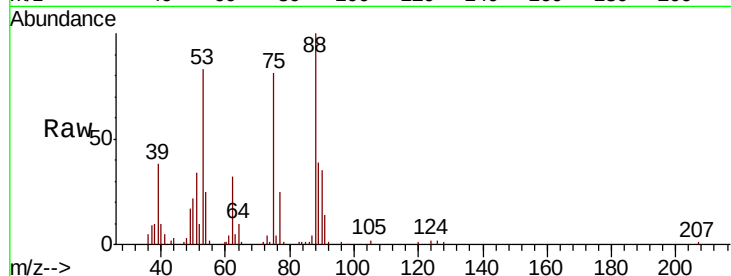
Tot Ion: 75 Resp: 51646

Ion	Ratio	Lower	Upper
75	100		
53	97.1	78.8	118.2
89	48.3	38.3	57.5

75 100

53 97.1 78.8 118.2

89 48.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 51.447 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064587.D

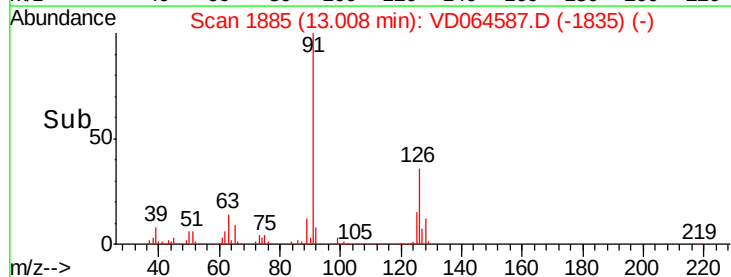
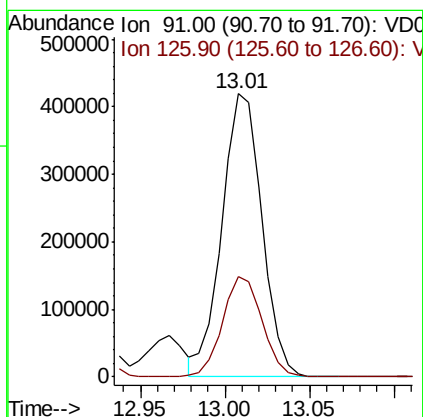
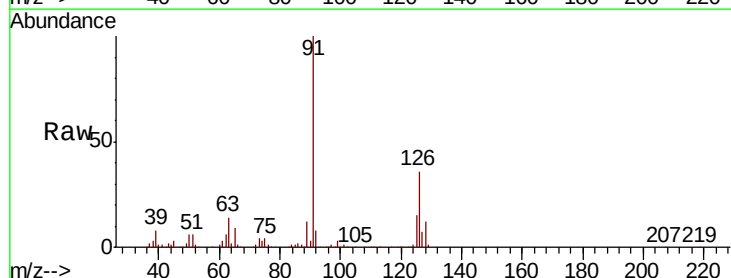
Acq: 24 Dec 2019 13:20

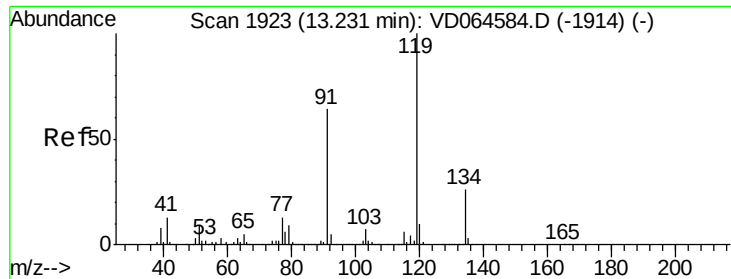
Tgt Ion: 91 Resp: 688917

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5

91 100

126 35.2 17.8 53.5

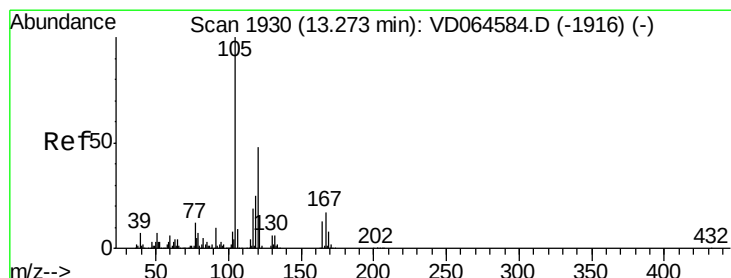
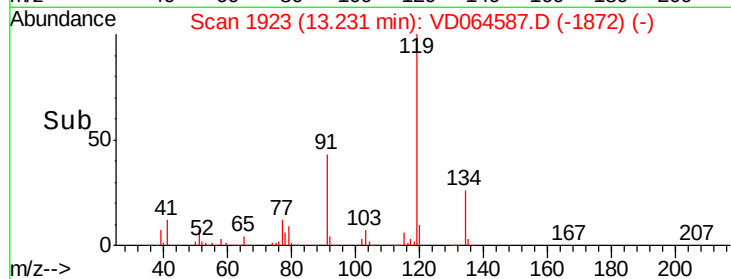
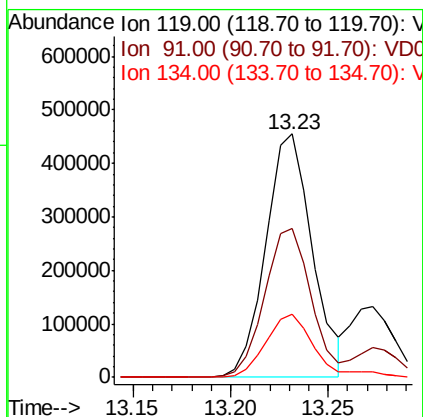
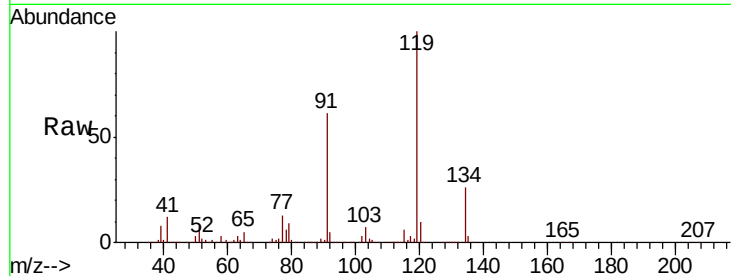




#83
 tert-Butylbenzene
 Concen: 53.675 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

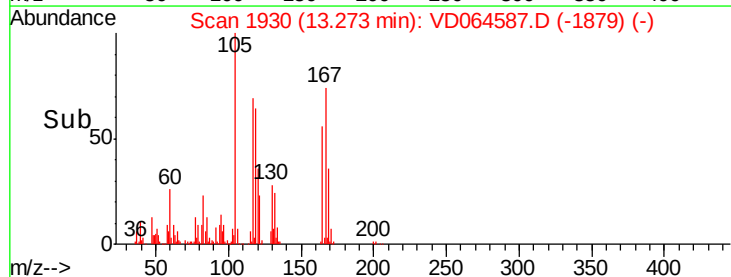
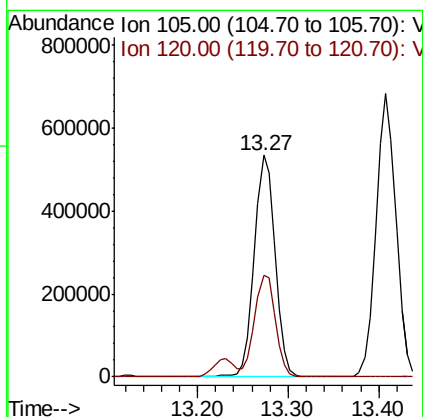
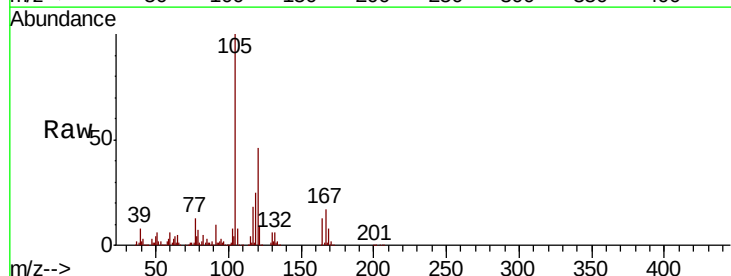
Instrument :
 MSVOA_D
 ClientSampleId :

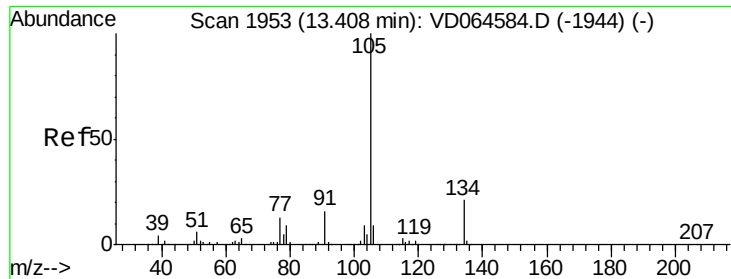
Tot Ion:119 Resp: 751647
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.8 92.4
 134 27.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.873 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion:105 Resp: 849301
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.2





#85

sec-Butylbenzene

Concen: 53.970 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

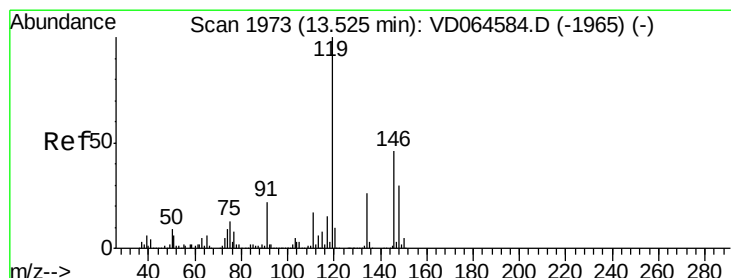
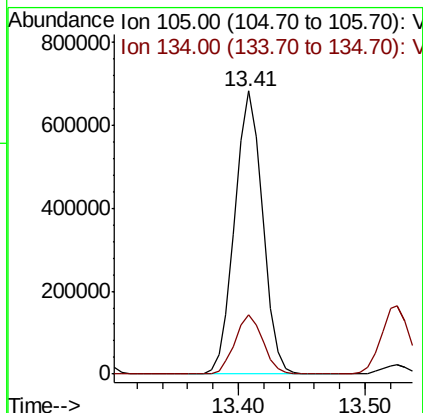
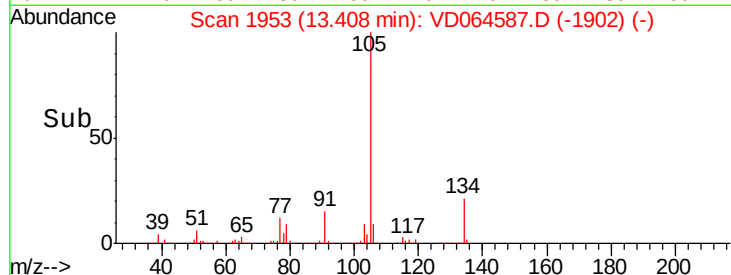
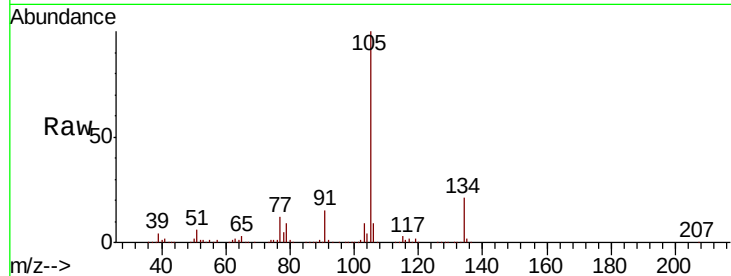
ClientSampleId :

Tot Ion:105 Resp: 1036137

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 53.215 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

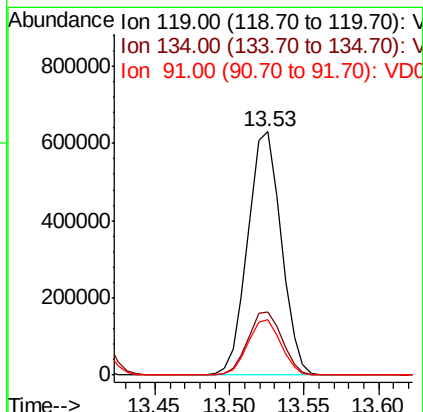
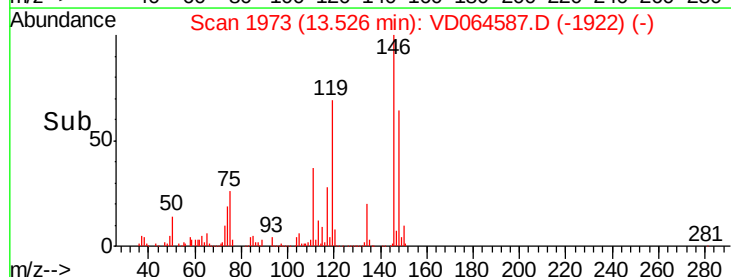
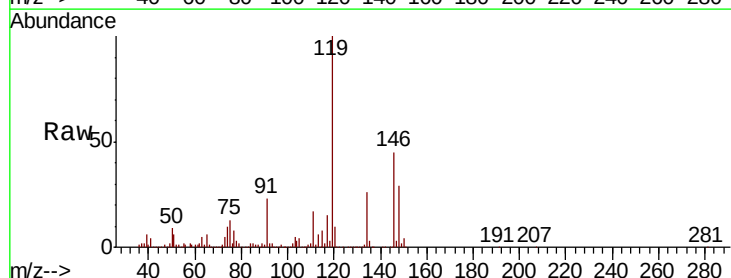
Tgt Ion:119 Resp: 976869

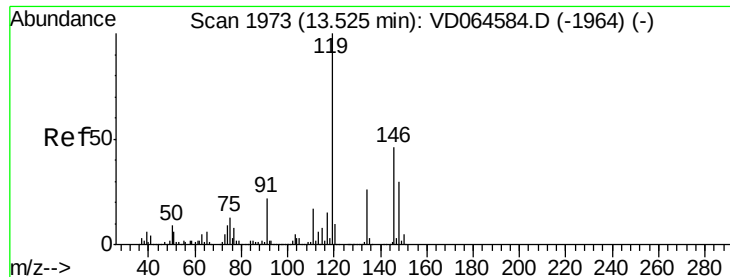
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.6 11.2 33.6

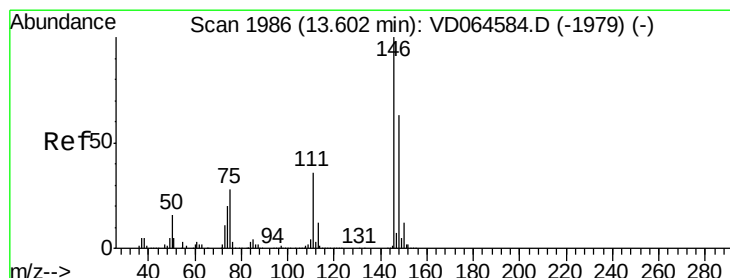
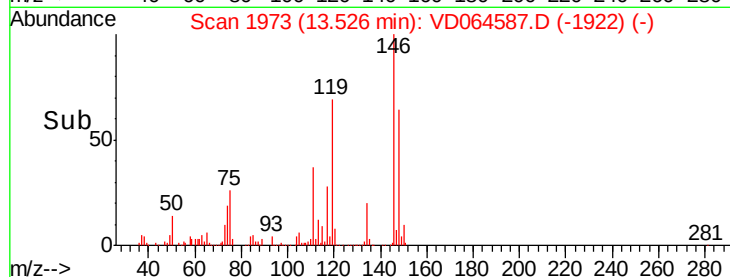
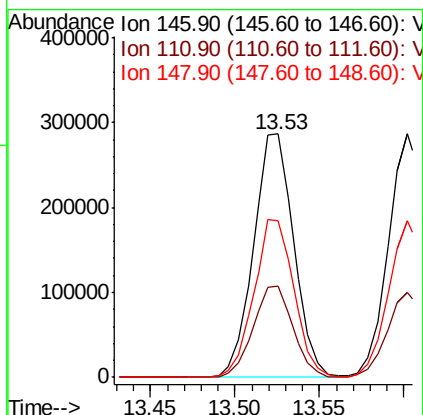
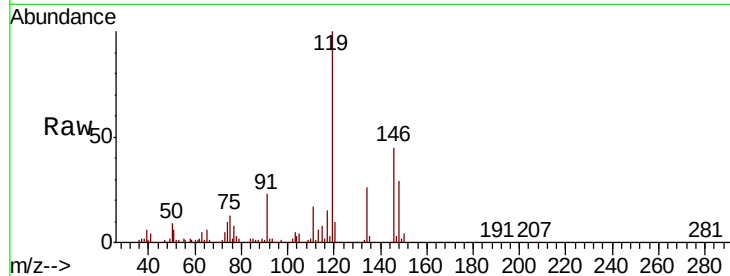




#87
 1,3-Dichlorobenzene
 Concen: 51.585 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

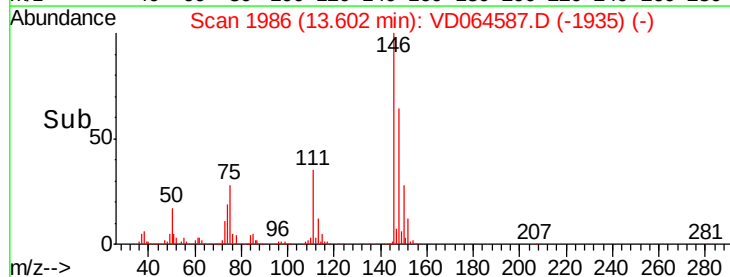
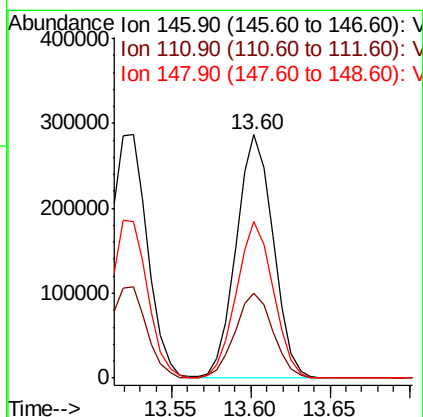
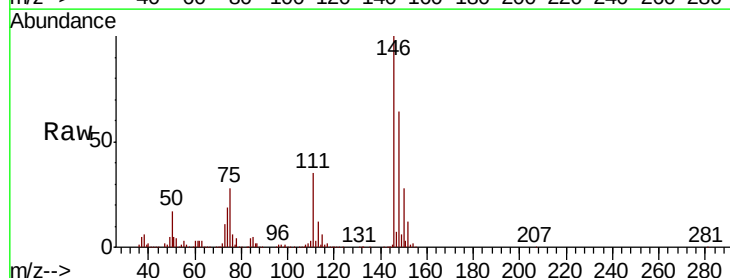
Instrument :
 MSVOA_D
 ClientSampleID :

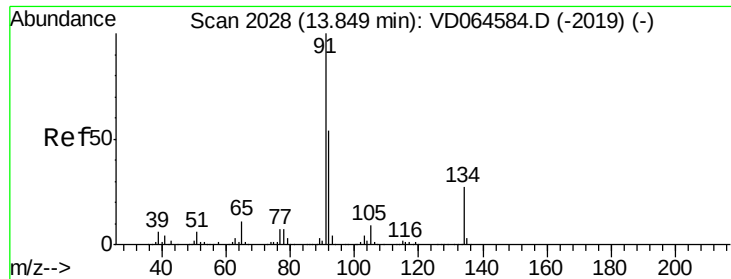
Tot Ion:146 Resp: 474425
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.421 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion:146 Resp: 464584
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.1
 148 64.2 32.3 96.9





#89

n-Butylbenzene

Concen: 54.596 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

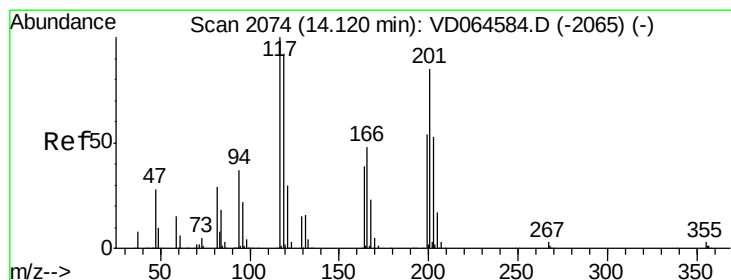
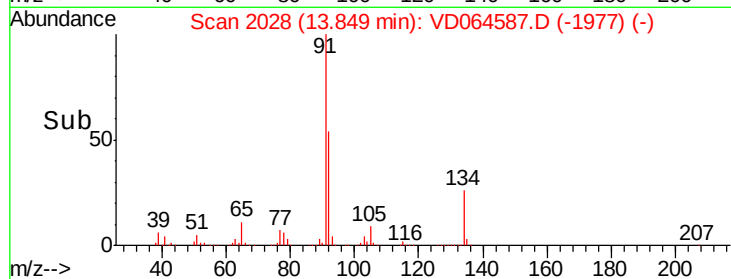
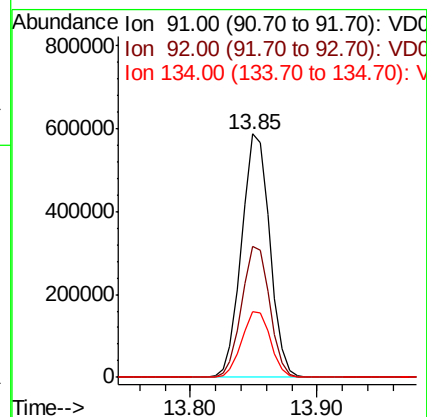
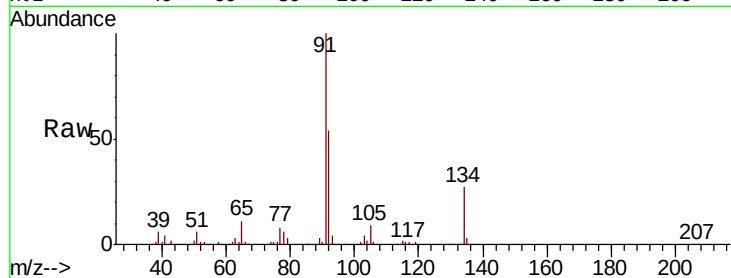
Tot Ion: 91 Resp: 902547

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	27.5	14.0	41.9

91 100

92 53.6 26.8 80.4

134 27.5 14.0 41.9



#90

Hexachloroethane

Concen: 51.314 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064587.D

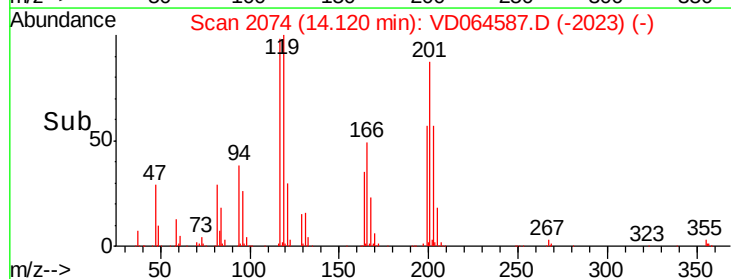
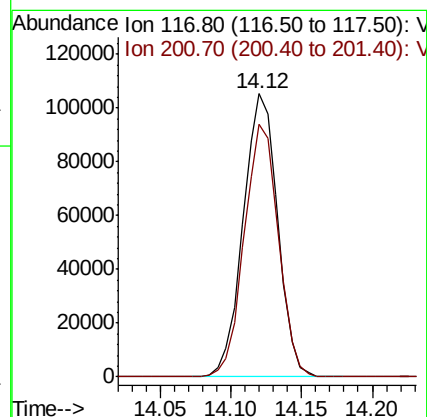
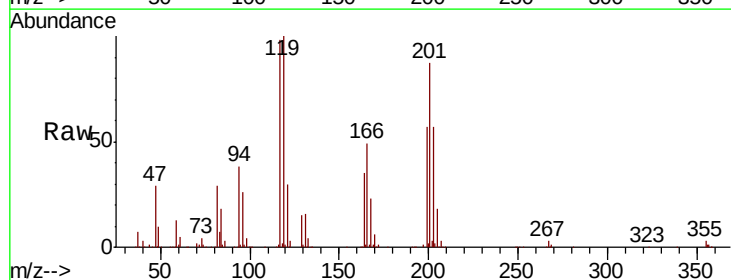
Acq: 24 Dec 2019 13:20

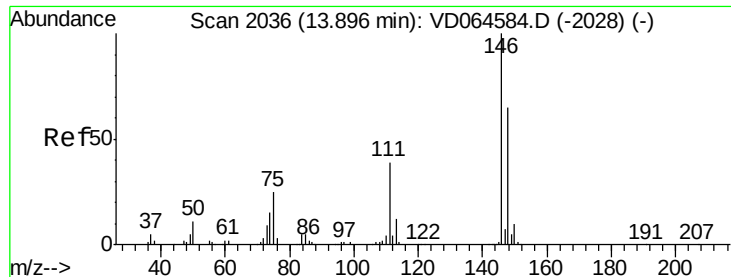
Tgt Ion: 117 Resp: 179938

Ion	Ratio	Lower	Upper
117	100		
201	88.7	44.0	131.8

117 100

201 88.7 44.0 131.8

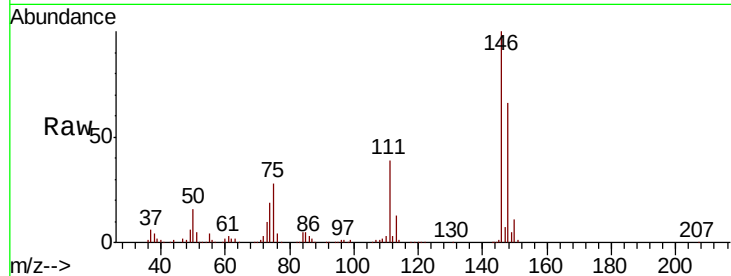




#91
 1,2-Dichlorobenzene
 Concen: 50.693 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.2	31.9	95.5

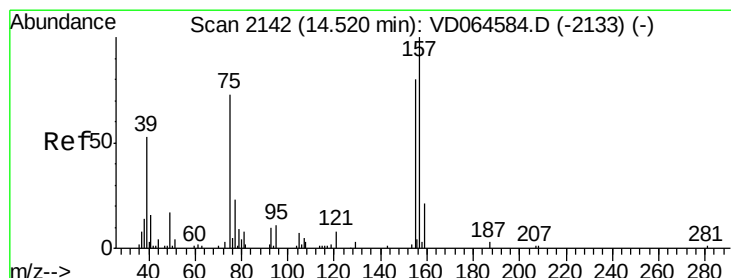
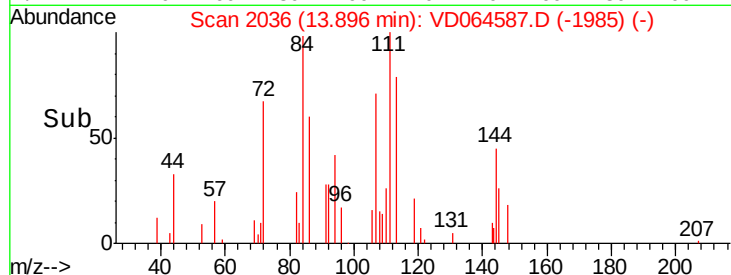
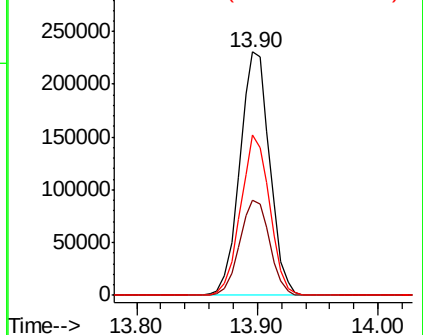


Abundance

Ion 145.90 (145.60 to 146.60): V

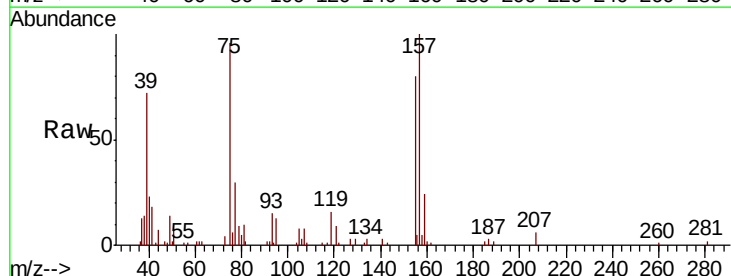
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.447 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.0	144.0
157	117.9	64.1	192.3

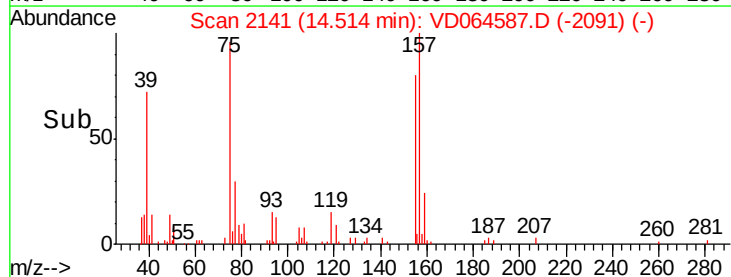
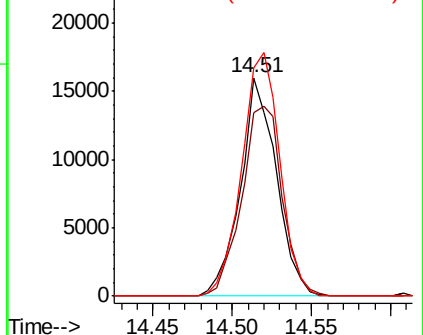


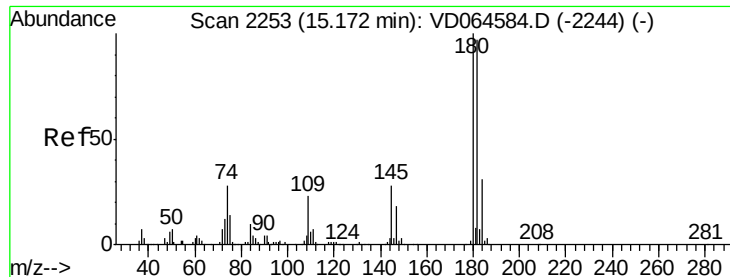
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

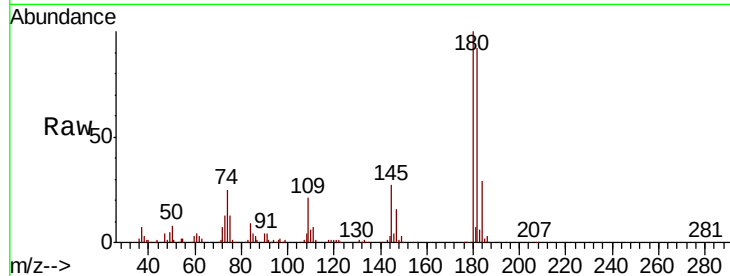




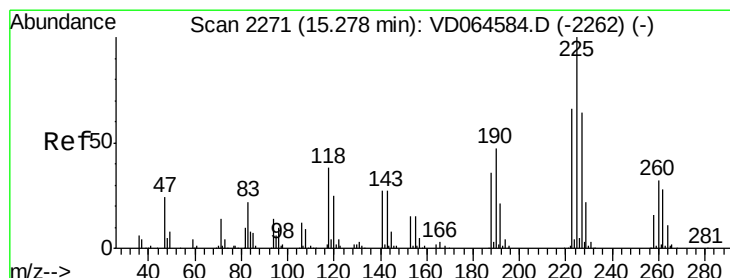
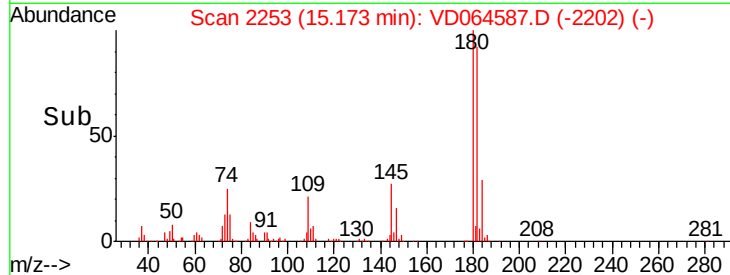
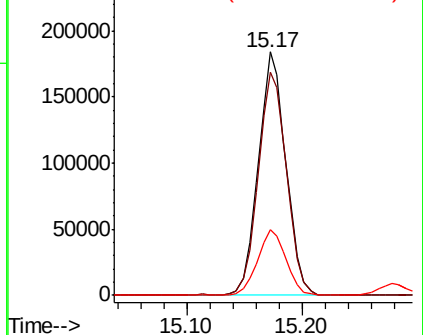
#93
 1,2,4-Trichlorobenzene
 Concen: 52.924 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	27.9	13.8	41.4

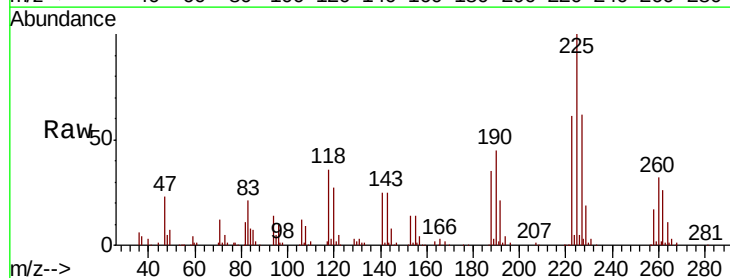


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

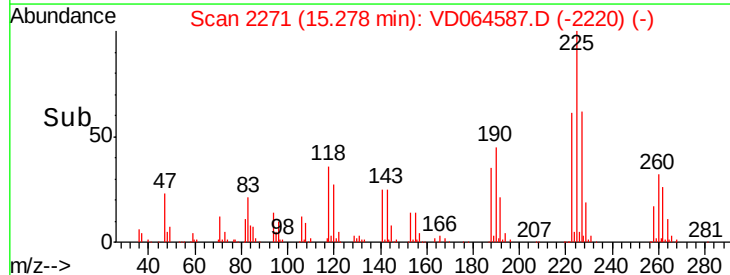
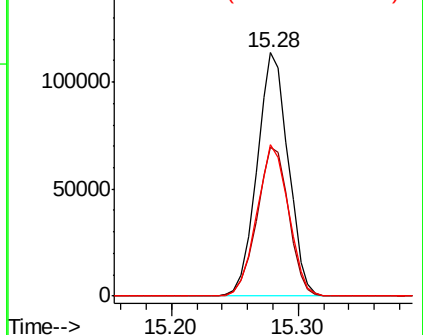


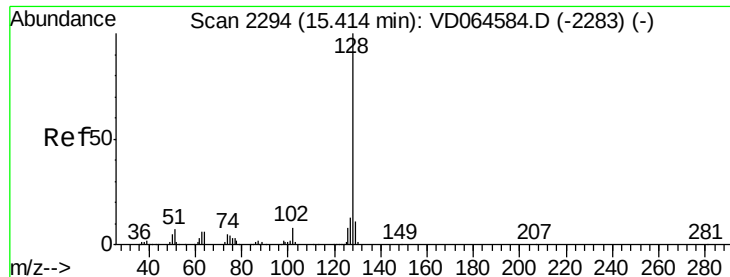
#94
 Hexachlorobutadiene
 Concen: 53.740 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	63.2	30.9	92.7



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: 52.360 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

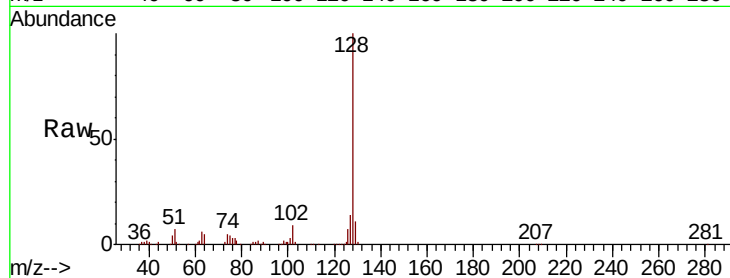
Tot Ion:128 Resp: 478311

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

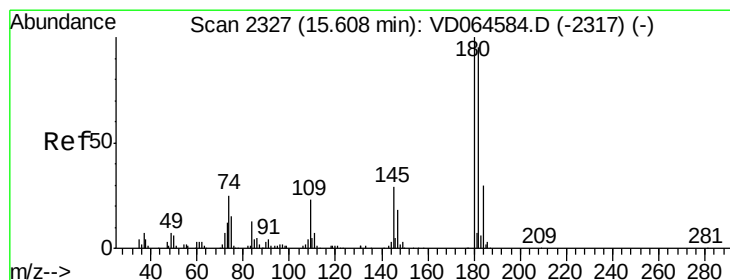
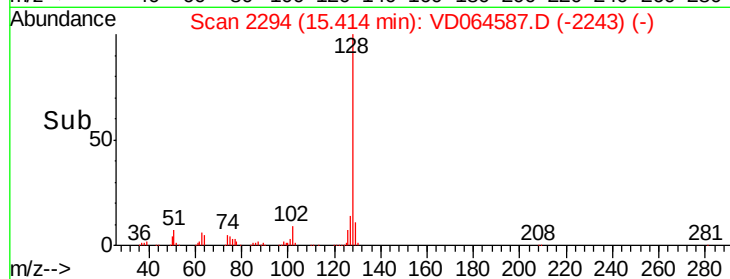
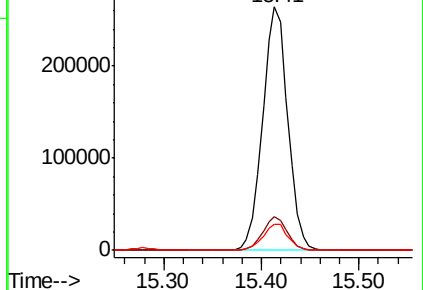
129 10.8 8.5 12.7



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: 52.284 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

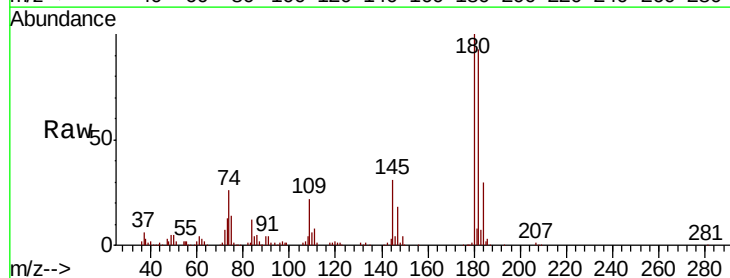
Tgt Ion:180 Resp: 257738

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 29.6 14.9 44.7



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

