

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064469.D
 Acq On : 09 Dec 2019 11:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 02:43:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	621073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217390	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.91	113	226152	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	882406	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.64	95	269201	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	231885	50.677	ug/l	98
3) Chloromethane	2.21	50	283682	49.154	ug/l	98
4) Vinyl Chloride	2.35	62	346918	52.062	ug/l	99
5) Bromomethane	2.77	94	234555	47.599	ug/l	99
6) Chloroethane	2.92	64	221494	49.730	ug/l	95
7) Trichlorofluoromethane	3.27	101	585765	52.878	ug/l	96
8) Diethyl Ether	3.70	74	107697	46.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	254650	53.614	ug/l	97
10) Methyl Iodide	4.30	142	284403	56.701	ug/l	99
11) Tert butyl alcohol	5.25	59	62951	216.354	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	239189	52.549	ug/l	97
13) Acrolein	3.92	56	93144	234.698	ug/l	98
14) Allyl chloride	4.71	41	377887	53.197	ug/l	98
15) Acrylonitrile	5.43	53	217384	215.956	ug/l	97
16) Acetone	4.16	43	253095	274.004	ug/l	96
17) Carbon Disulfide	4.40	76	741737	51.452	ug/l	97
18) Methyl Acetate	4.72	43	110141	40.879	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	484751	46.427	ug/l	98
20) Methylene Chloride	4.96	84	249734	53.524	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	263198	51.119	ug/l	97
22) Diisopropyl ether	6.37	45	692598	49.389	ug/l	97
23) Vinyl Acetate	6.31	43	1964951	237.678	ug/l	99
24) 1,1-Dichloroethane	6.26	63	432301	51.260	ug/l	98
25) 2-Butanone	7.22	43	287403	220.014	ug/l	99
26) 2,2-Dichloropropane	7.21	77	412444	56.236	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	278238	49.568	ug/l	97
28) Bromochloromethane	7.55	49	145680	50.546	ug/l	99
29) Tetrahydrofuran	7.57	42	170379	205.006	ug/l	98
30) Chloroform	7.71	83	439844	50.359	ug/l	98
31) Cyclohexane	7.99	56	422450	58.120	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	431677	53.310	ug/l	99
36) 1,1-Dichloropropene	8.11	75	369135	54.149	ug/l	99
37) Ethyl Acetate	7.30	43	122045	42.192	ug/l	99
38) Carbon Tetrachloride	8.10	117	407372	56.620	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	461055	54.522	ug/l	98
40) Benzene	8.35	78	983980	51.969	ug/l	99
41) Methacrylonitrile	7.53	41	79211	47.750	ug/l	95
42) 1,2-Dichloroethane	8.43	62	264213	47.851	ug/l	99
43) Isopropyl Acetate	8.46	43	250573	44.057	ug/l	98
44) Trichloroethene	9.11	130	297671	52.192	ug/l	95
45) 1,2-Dichloropropane	9.38	63	233088	51.475	ug/l	97
46) Dibromomethane	9.48	93	119691	46.833	ug/l	99
47) Bromodichloromethane	9.66	83	331442	50.473	ug/l	97
48) Methyl methacrylate	9.46	41	117218	45.040	ug/l	93
49) 1,4-Dioxane	9.46	88	26099	826.989	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	614742	218.452	ug/l	98
52) Toluene	10.40	92	640592	51.915	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	312290	49.900	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	378400	50.896	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	163582	46.745	ug/l	98
56) Ethyl methacrylate	10.66	69	202538	45.378	ug/l	96
57) 1,3-Dichloropropane	10.95	76	281124	47.192	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	391272	219.906	ug/l	99
59) 2-Hexanone	10.98	43	441493	226.097	ug/l	99
60) Dibromochloromethane	11.14	129	225850	47.600	ug/l	98
61) 1,2-Dibromoethane	11.25	107	160479	45.929	ug/l	100
64) Tetrachloroethene	10.87	164	257506	54.370	ug/l	96
65) Chlorobenzene	11.67	112	666633	51.463	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	249718	52.076	ug/l	99
67) Ethyl Benzene	11.74	91	1240213	53.812	ug/l	99
68) m/p-Xylenes	11.86	106	960798	109.334	ug/l	99
69) o-Xylene	12.18	106	429892	52.969	ug/l	100
70) Styrene	12.20	104	741358	52.565	ug/l	100
71) Bromoform	12.36	173	133213	46.433	ug/l #	98
73) Isopropylbenzene	12.48	105	1197555	55.489	ug/l	99
74) N-amyl acetate	12.29	43	229977	46.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163297	45.755	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	220228	89.244	ug/l #	100
77) Bromobenzene	12.77	156	274734	51.549	ug/l	100
78) n-propylbenzene	12.83	91	1386952	55.698	ug/l	100
79) 2-Chlorotoluene	12.91	91	745601	54.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	966326	54.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55116	48.702	ug/l	98
82) 4-Chlorotoluene	13.01	91	787622	54.292	ug/l	99
83) tert-Butylbenzene	13.23	119	867521	56.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	964455	54.384	ug/l	99
85) sec-Butylbenzene	13.41	105	1173167	55.749	ug/l	99
86) p-Isopropyltoluene	13.52	119	1114280	56.086	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	526783	52.078	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	514406	51.509	ug/l	100
89) n-Butylbenzene	13.85	91	1005289	55.720	ug/l	99
90) Hexachloroethane	14.12	117	203560	54.780	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	439320	50.819	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24720	46.005	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

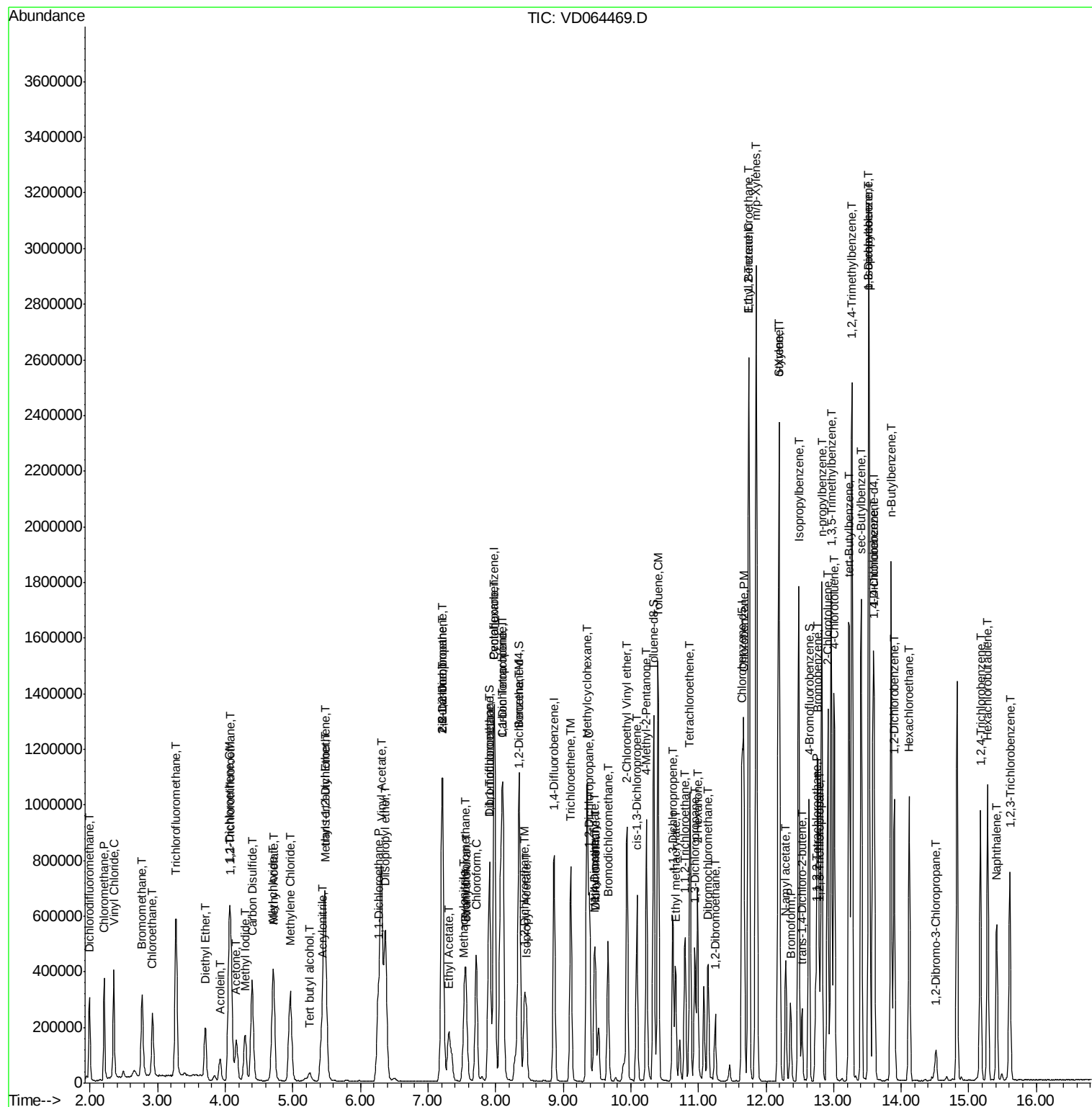
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	325452	49.158	ug/l	97
94) Hexachlorobutadiene	15.28	225	215163	52.644	ug/l	98
95) Naphthalene	15.41	128	504380	45.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	277572	49.116	ug/l	100

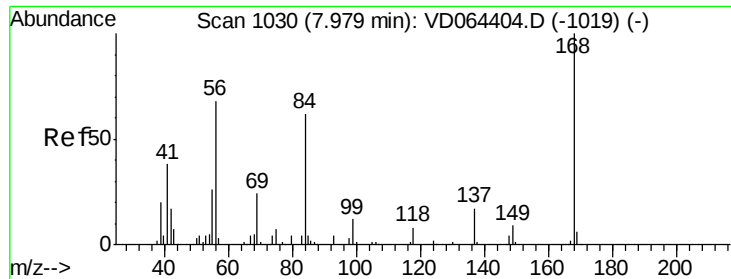
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

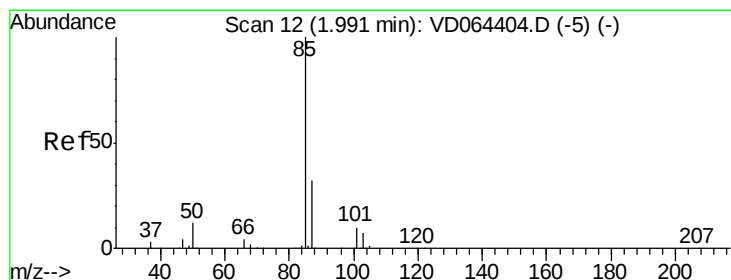
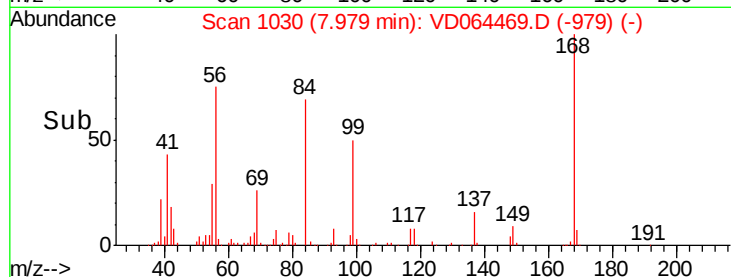
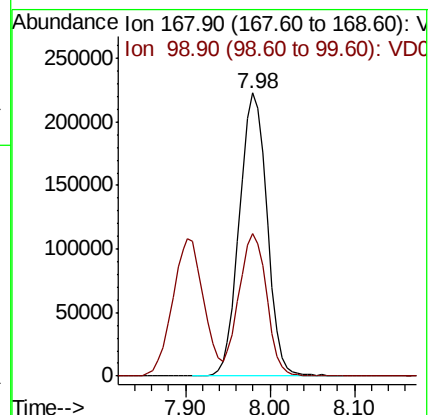
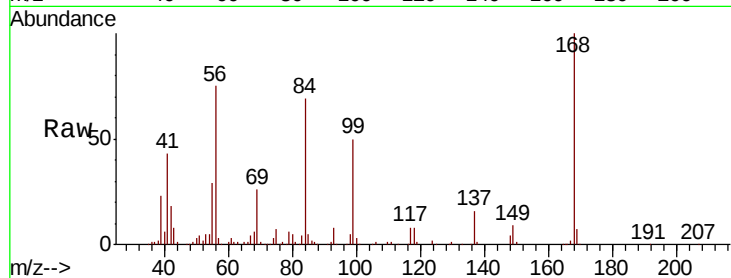
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 504993

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



#2

Dichlorodifluoromethane

Concen: 50.677 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064469.D

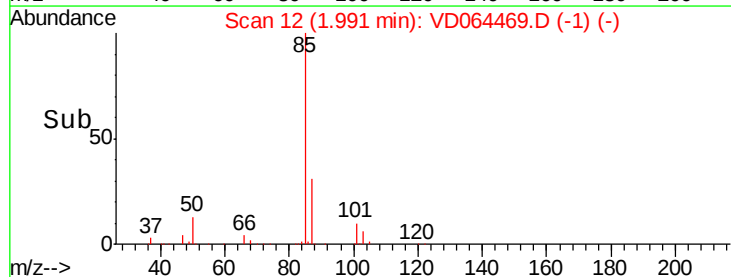
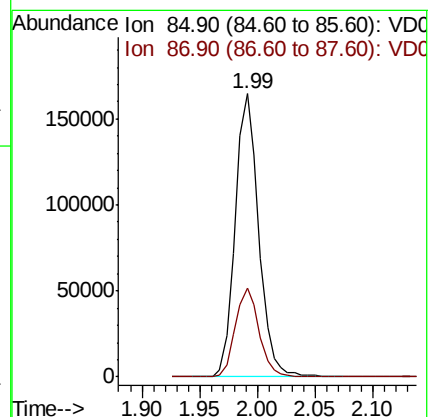
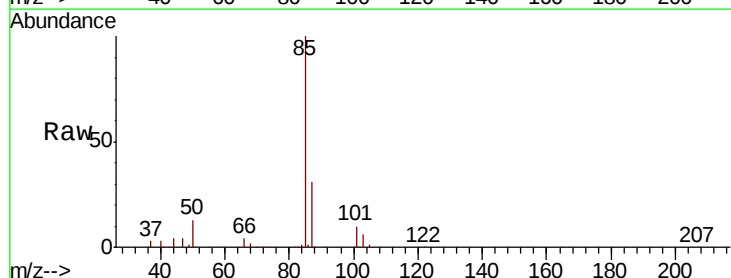
Acq: 09 Dec 2019 11:50

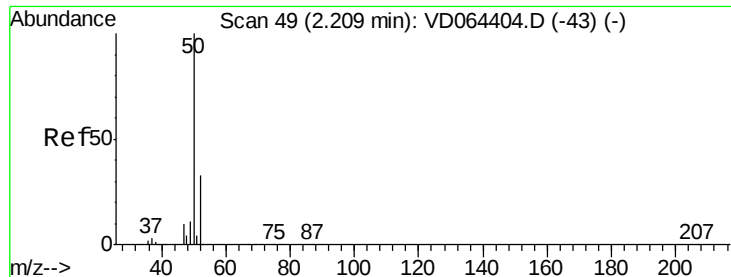
Tgt Ion: 85 Resp: 231885

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2





#3

Chloromethane

Concen: 49.154 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

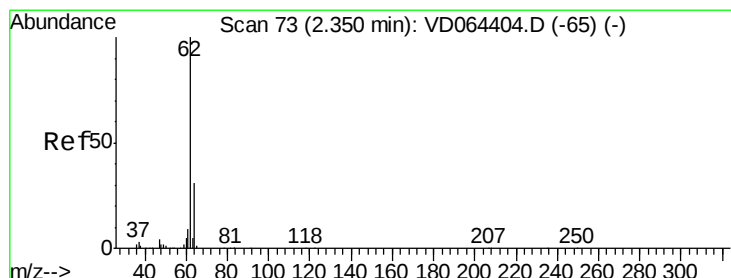
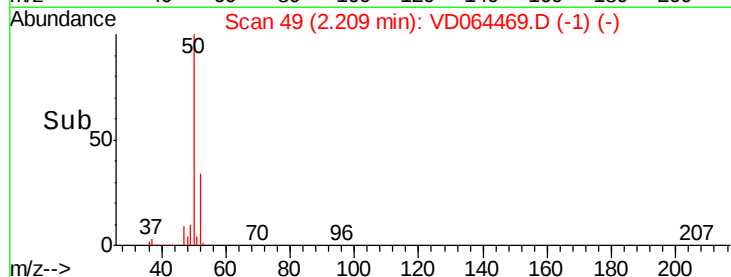
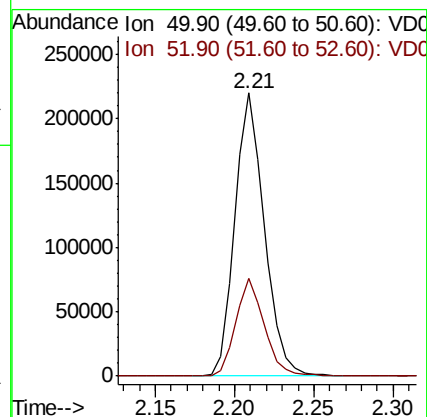
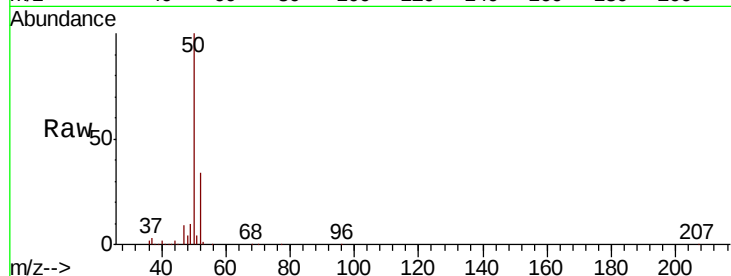
ClientSampleId :

Tot Ion: 50 Resp: 283682

Ion Ratio Lower Upper

50 100

52 34.4 26.7 40.1



#4

Vinyl Chloride

Concen: 52.062 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064469.D

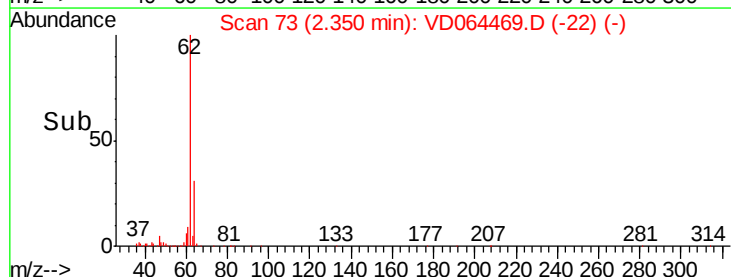
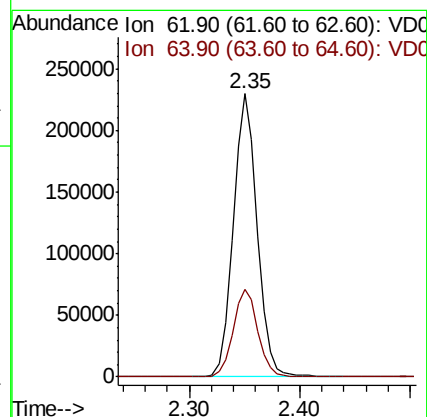
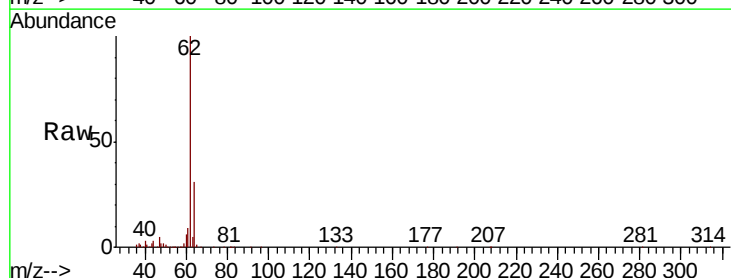
Acq: 09 Dec 2019 11:50

Tgt Ion: 62 Resp: 346918

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 47.599 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

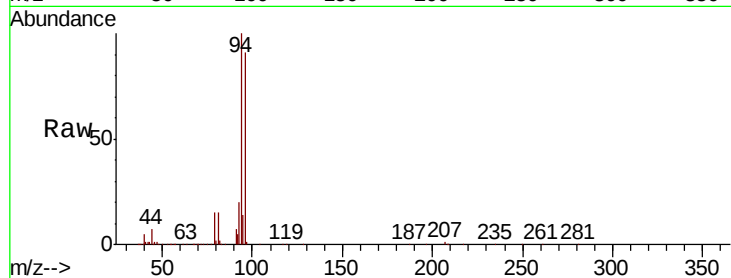
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 234555

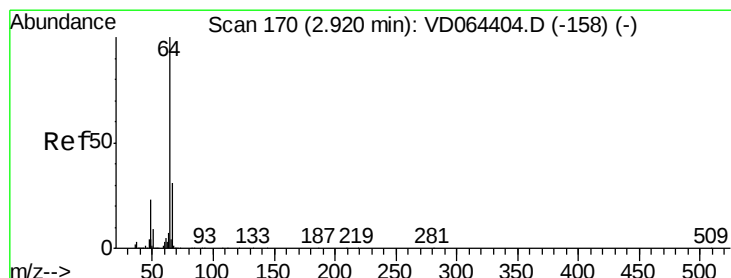
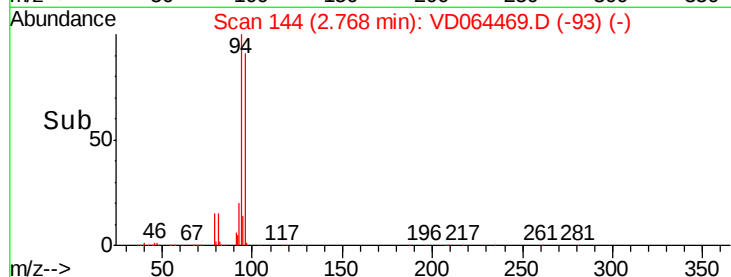
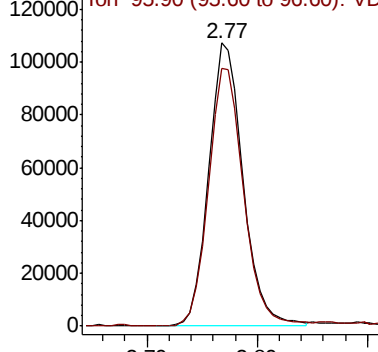
Ion Ratio Lower Upper

94 100

96 90.8 73.6 110.4



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



#6

Chloroethane

Concen: 49.730 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064469.D

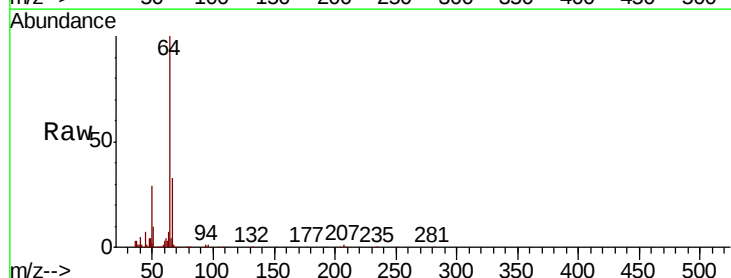
Acq: 09 Dec 2019 11:50

Tgt Ion: 64 Resp: 221494

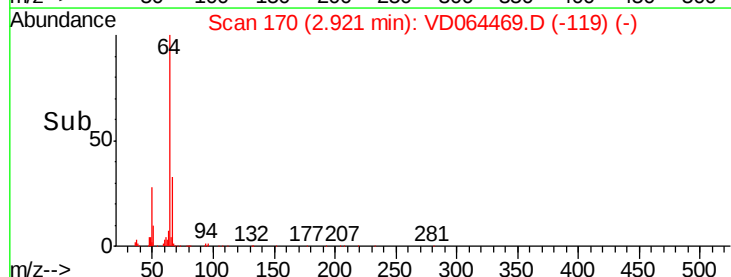
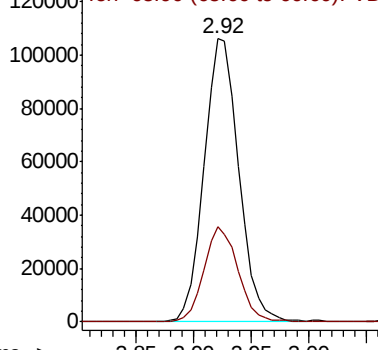
Ion Ratio Lower Upper

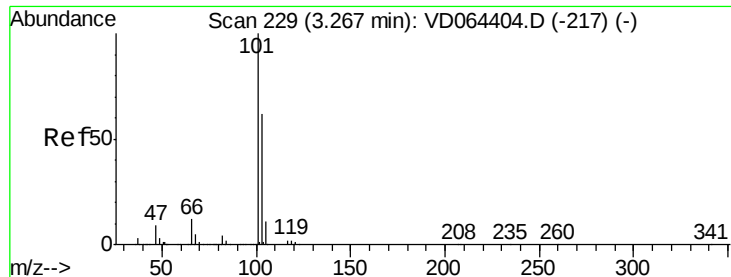
64 100

66 33.5 24.6 37.0



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



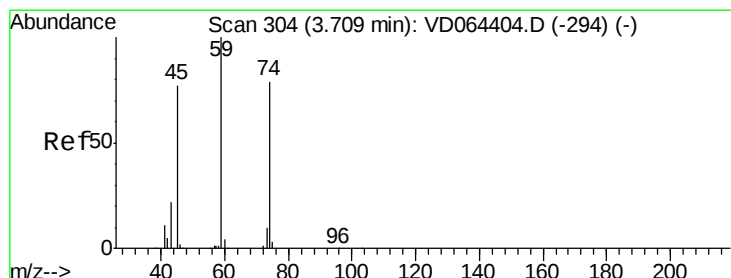
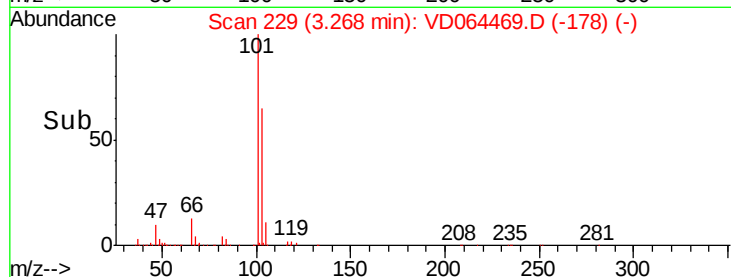
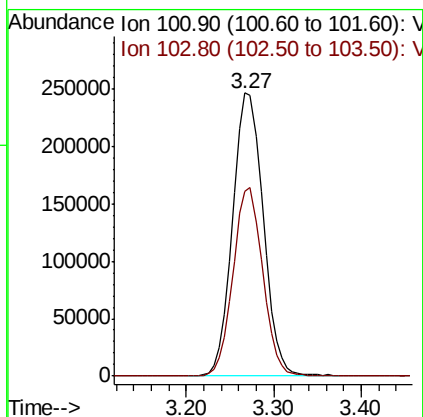
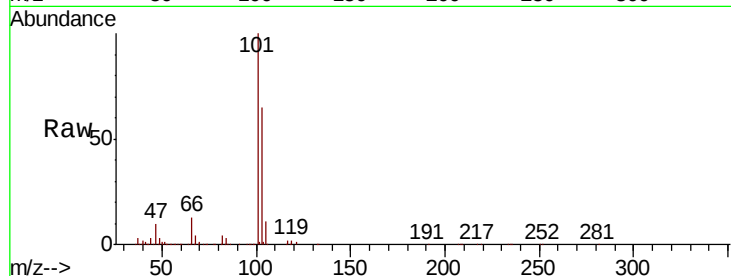


#7

Trichlorofluoromethane
 Concen: 52.878 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

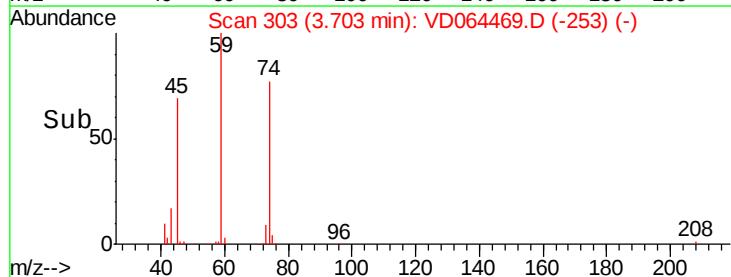
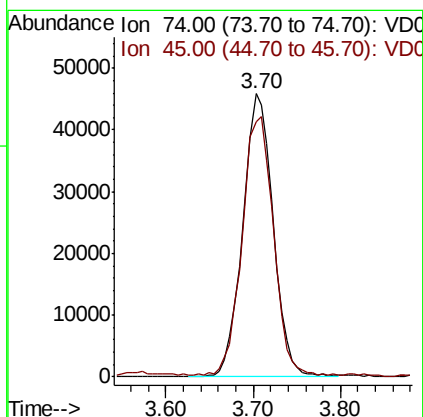
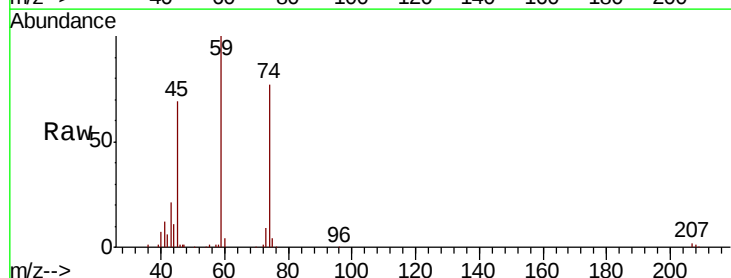
Tot Ion:101 Resp: 585765
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.8 74.6

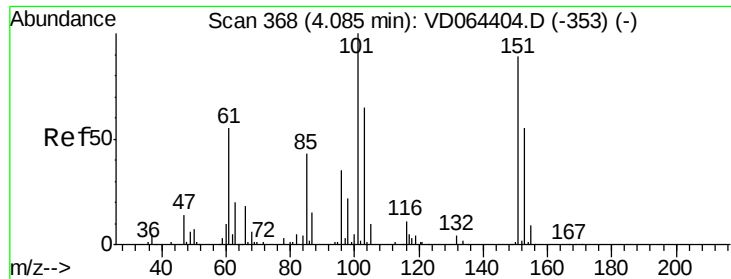


#8

Diethyl Ether
 Concen: 46.785 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 74 Resp: 107697
 Ion Ratio Lower Upper
 74 100
 45 94.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.614 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

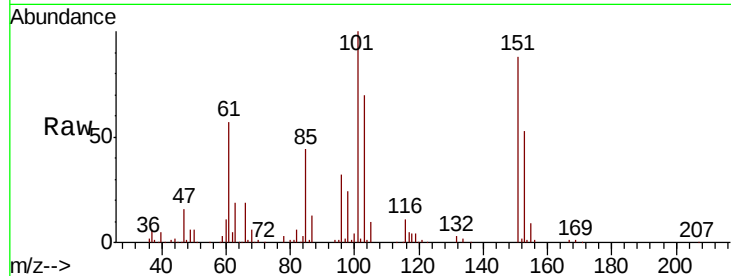
Tot Ion:101 Resp: 254650

Ion Ratio Lower Upper

101 100

85 44.2 34.8 52.2

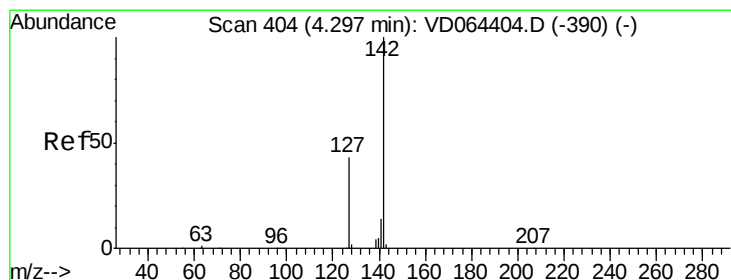
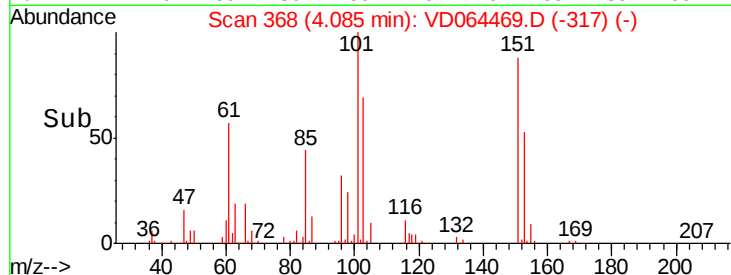
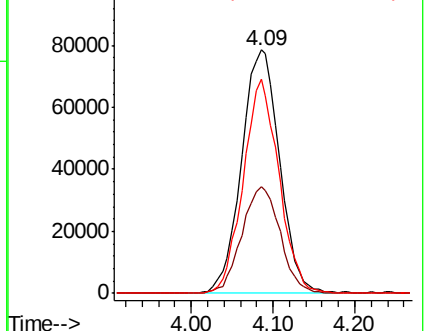
151 82.4 68.8 103.2



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: 56.701 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

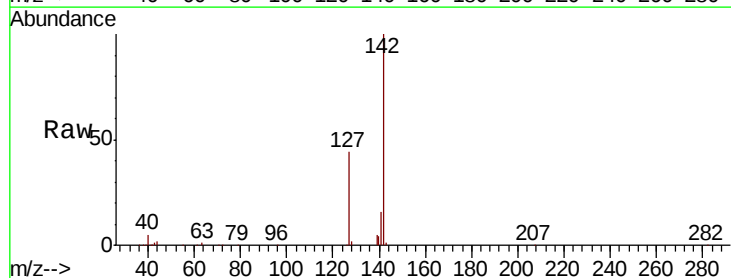
Tgt Ion:142 Resp: 284403

Ion Ratio Lower Upper

142 100

127 43.5 35.3 52.9

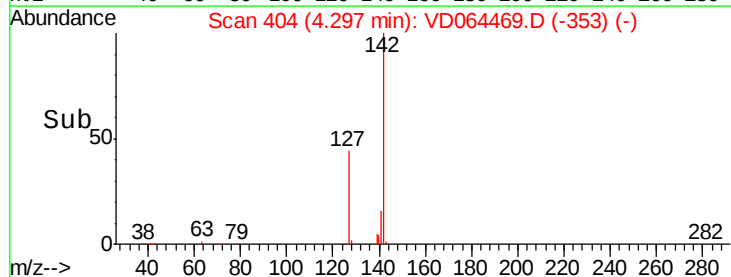
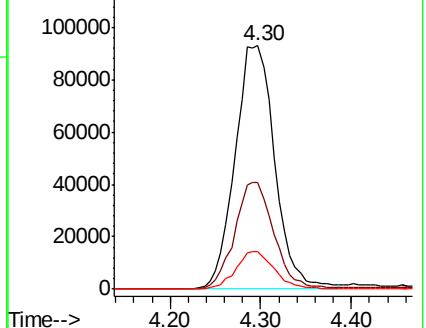
141 14.8 11.6 17.4

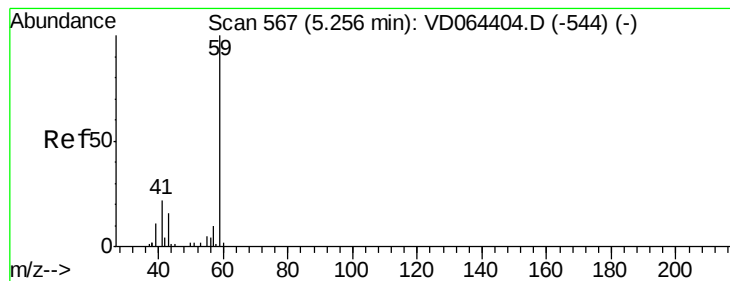


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



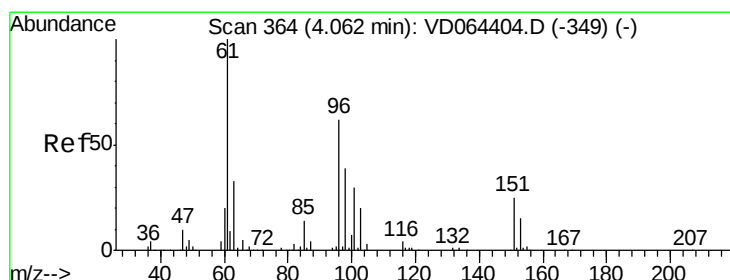
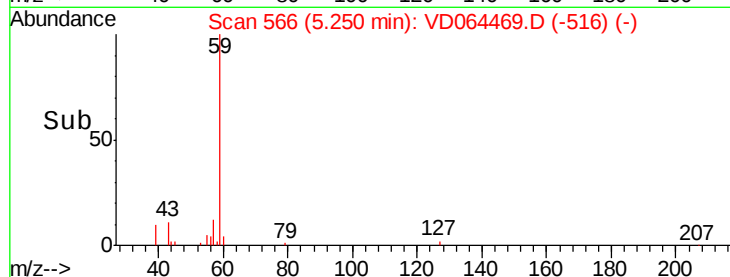
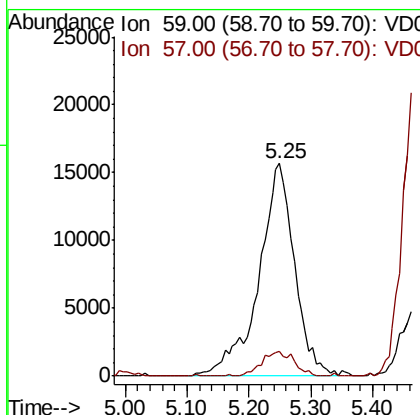
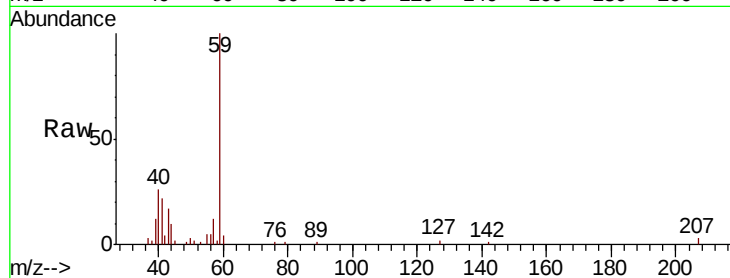


#11

Tert butyl alcohol
Concen: 216.354 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :

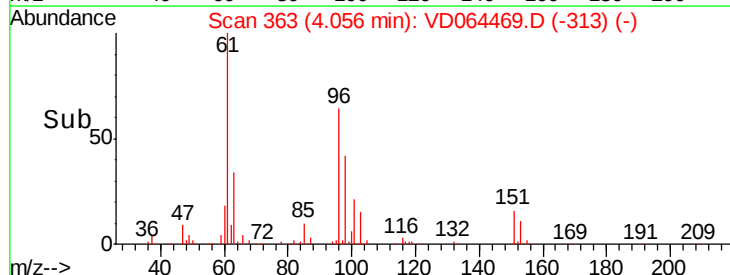
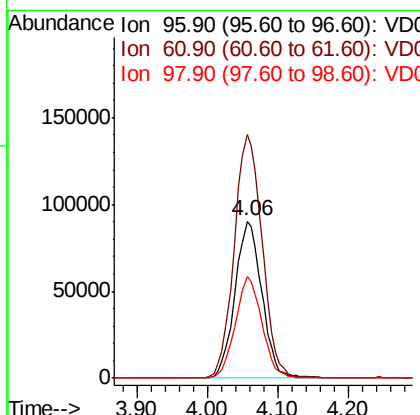
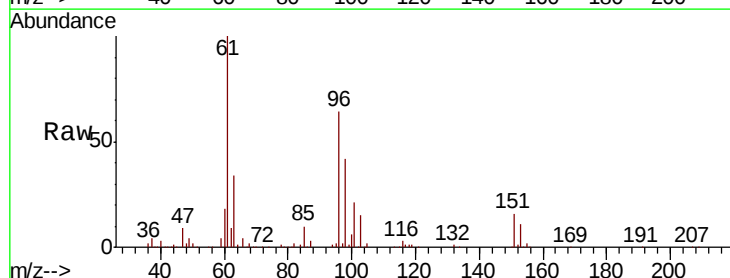
Tot Ion: 59 Resp: 62951
Ion Ratio Lower Upper
59 100
57 10.4 0.0 0.0#

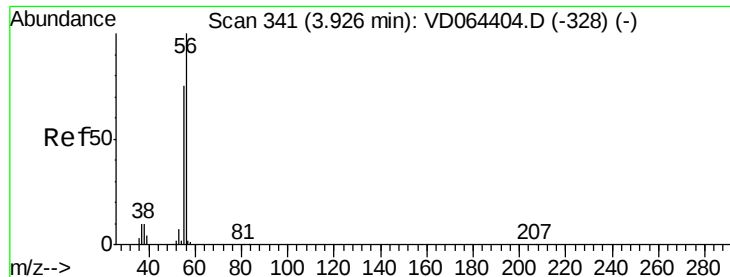


#12

1,1-Dichloroethene
Concen: 52.549 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 96 Resp: 239189
Ion Ratio Lower Upper
96 100
61 155.3 128.2 192.4
98 64.5 50.4 75.6





#13

Acrolein

Concen: 234.698 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

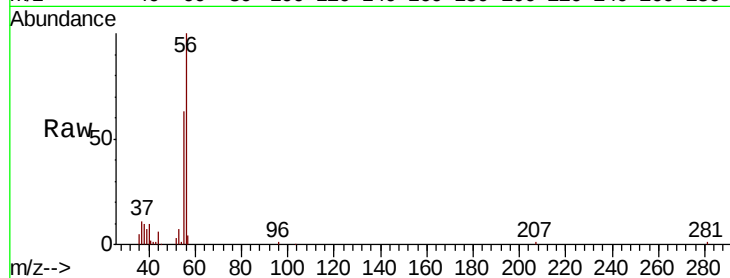
ClientSampleId :

Tot Ion: 56 Resp: 93144

Ion Ratio Lower Upper

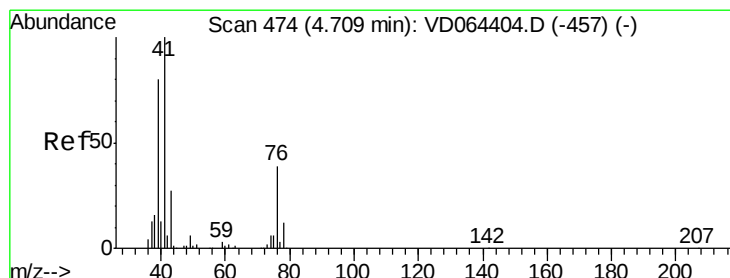
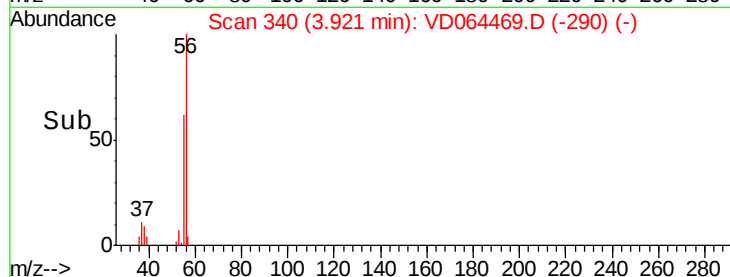
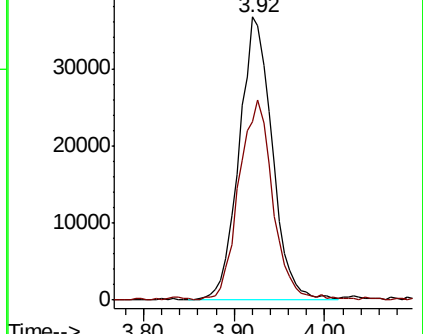
56 100

55 72.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.197 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

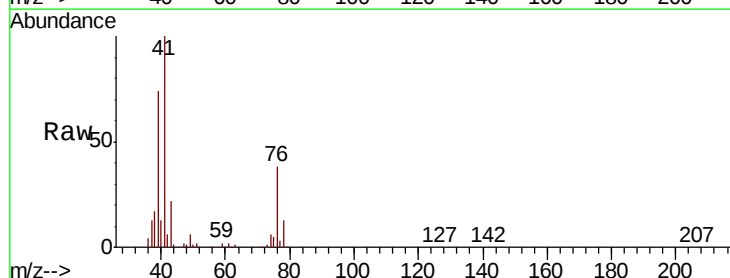
Tgt Ion: 41 Resp: 377887

Ion Ratio Lower Upper

41 100

39 75.8 62.1 93.1

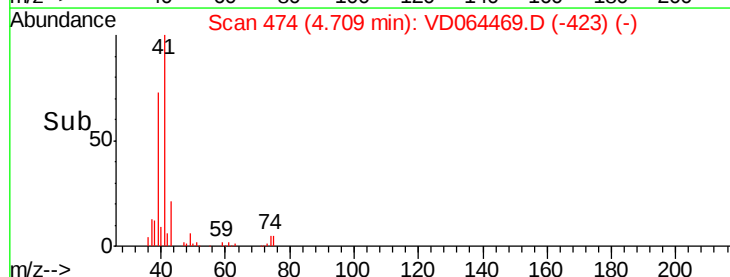
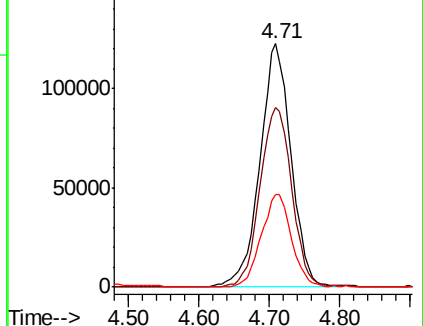
76 36.4 29.8 44.8

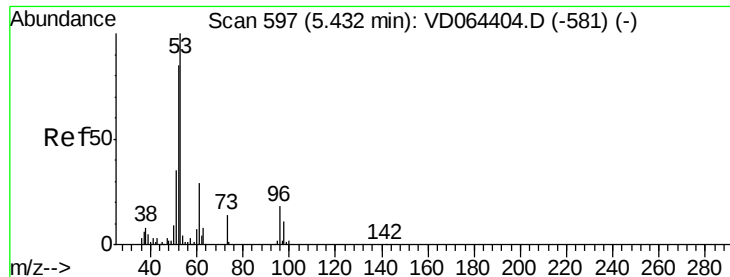


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 215.956 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :

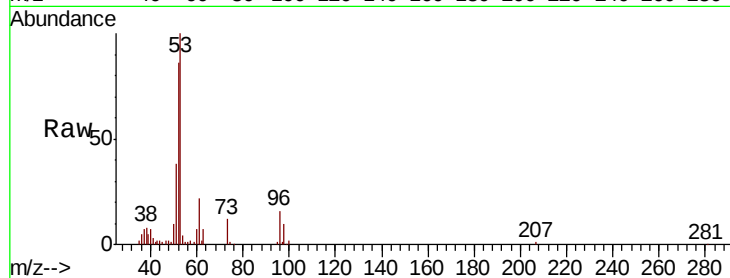
Tot Ion: 53 Resp: 217384

Ion Ratio Lower Upper

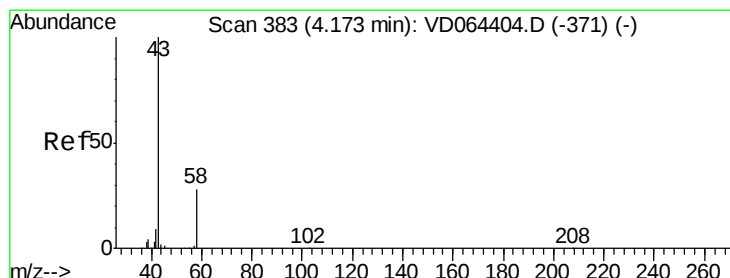
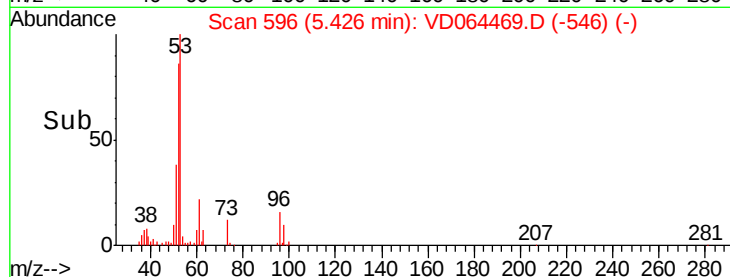
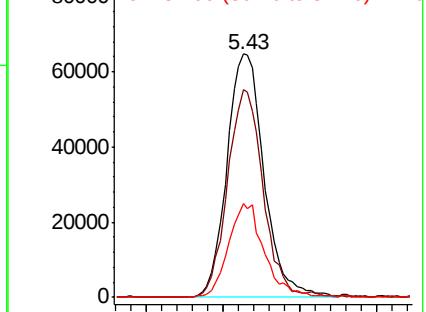
53 100

52 81.5 67.9 101.9

51 37.2 30.6 45.8



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: 274.004 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064469.D

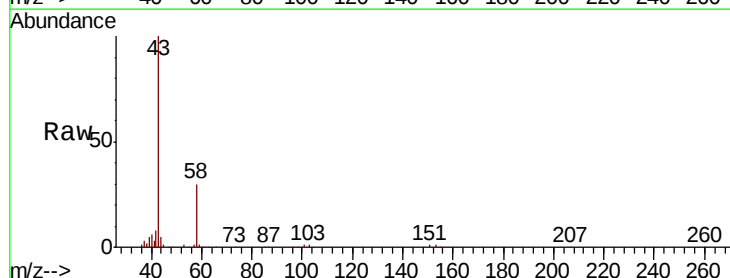
Acq: 09 Dec 2019 11:50

Tgt Ion: 43 Resp: 253095

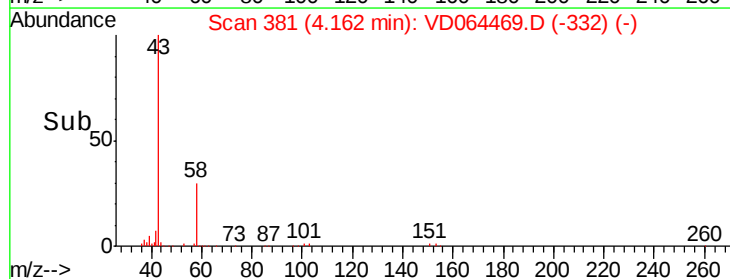
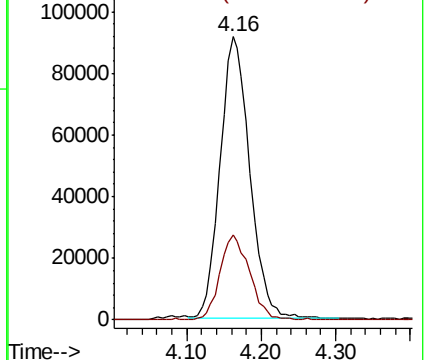
Ion Ratio Lower Upper

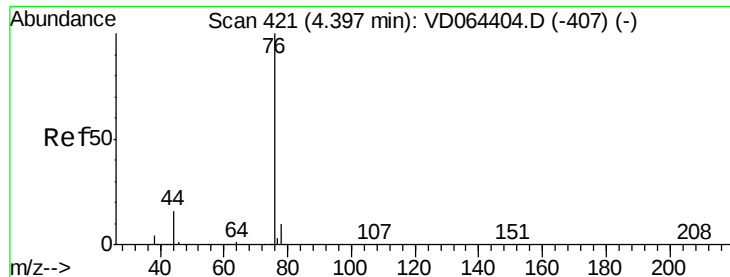
43 100

58 30.2 22.6 33.8



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

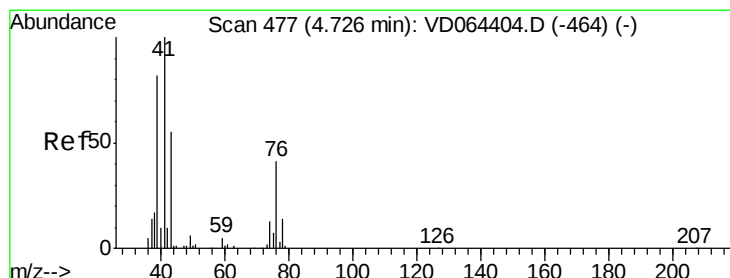
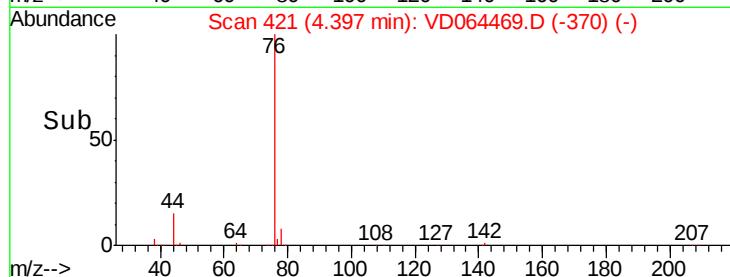
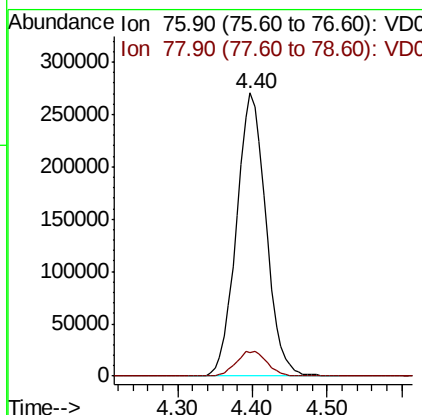
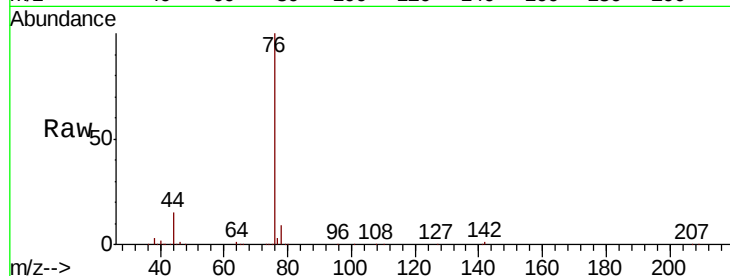




#17
Carbon Disulfide
Concen: 51.452 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

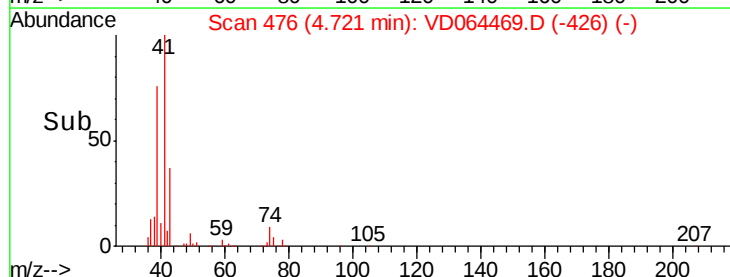
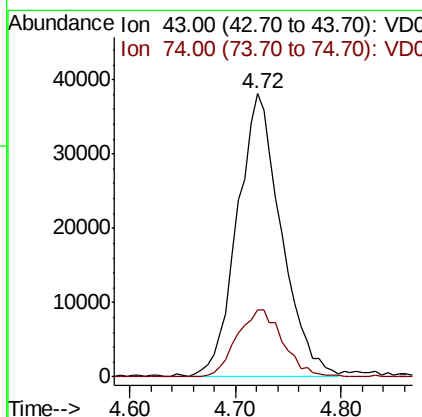
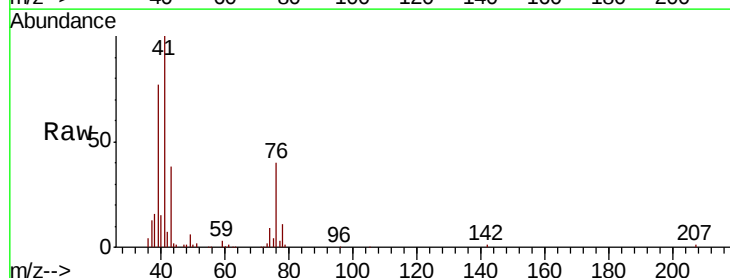
Instrument :
MSVOA_D
ClientSampleId :

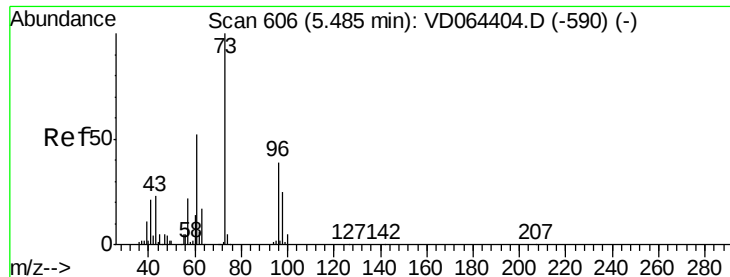
Tot Ion: 76 Resp: 741737
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8



#18
Methyl Acetate
Concen: 40.879 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 43 Resp: 110141
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5



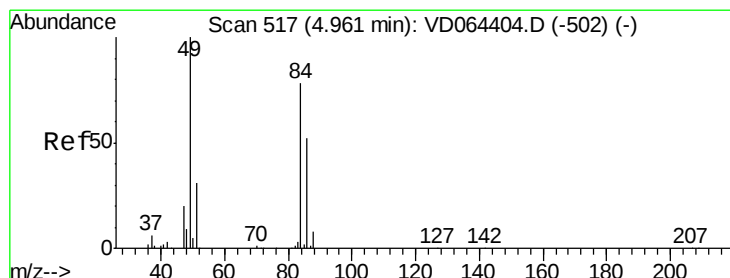
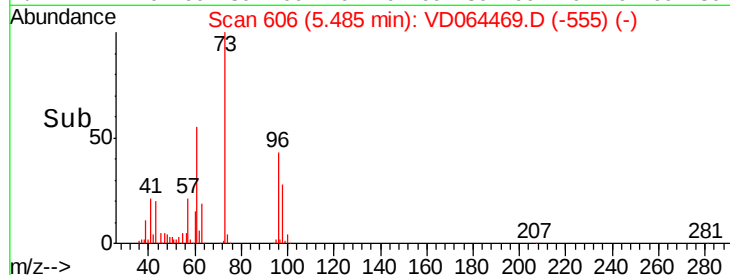
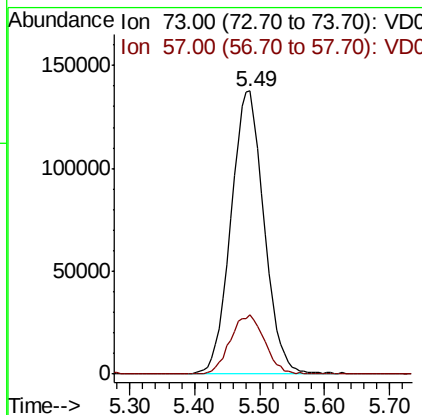
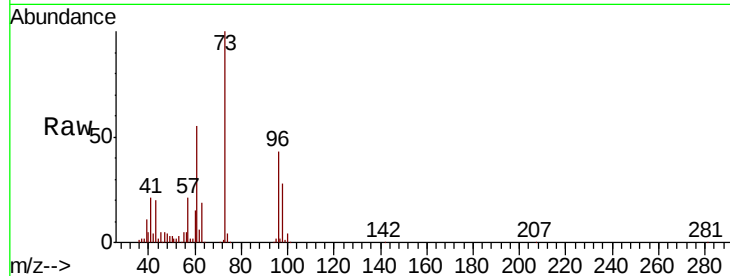


#19

Methyl tert-butyl Ether
 Concen: 46.427 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

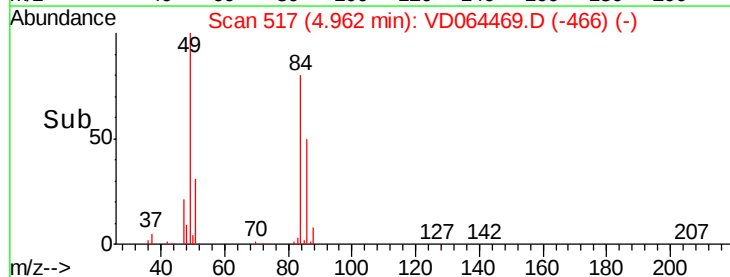
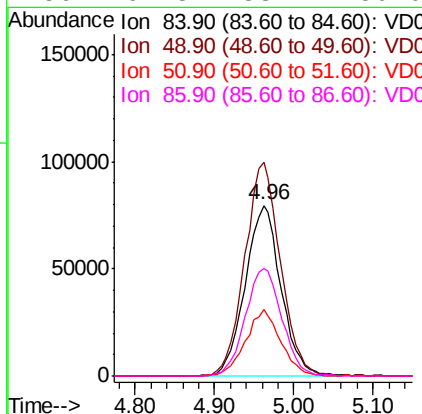
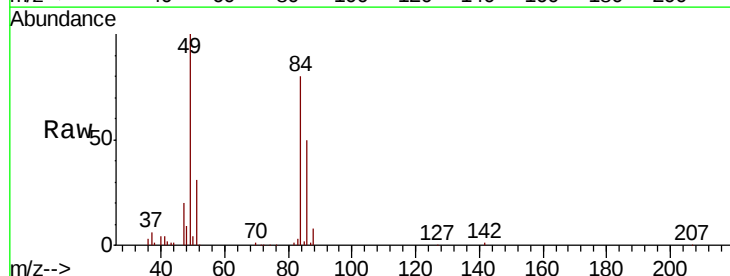
Tot Ion: 73 Resp: 484751
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.6 26.4

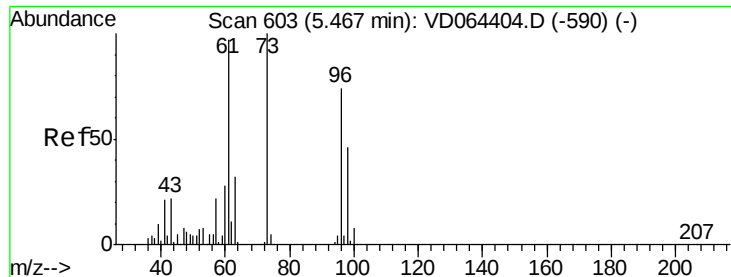


#20

Methylene Chloride
 Concen: 53.524 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 84 Resp: 249734
 Ion Ratio Lower Upper
 84 100
 49 125.3 102.6 153.8
 51 38.7 32.0 48.0
 86 62.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.119 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampled :

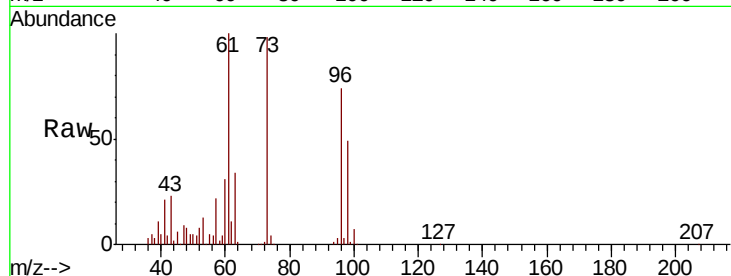
Tot Ion: 96 Resp: 263198

Ion Ratio Lower Upper

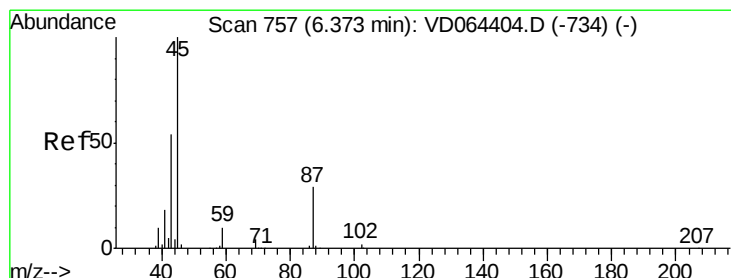
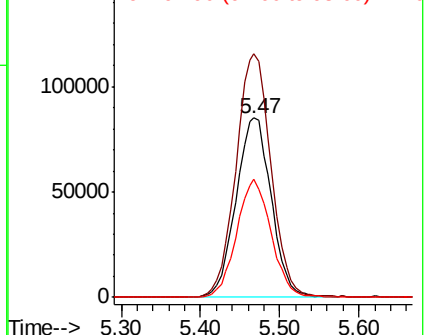
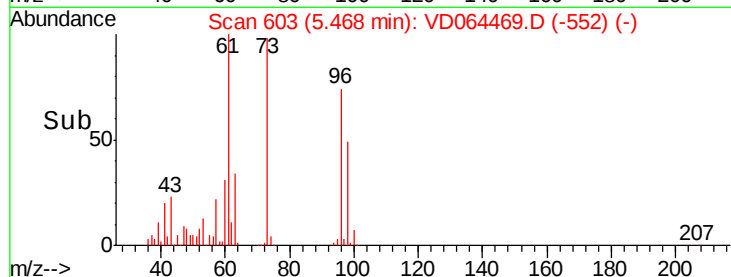
96 100

61 135.6 105.8 158.6

98 66.1 50.1 75.1



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



#22

Diisopropyl ether

Concen: 49.389 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion: 45 Resp: 692598

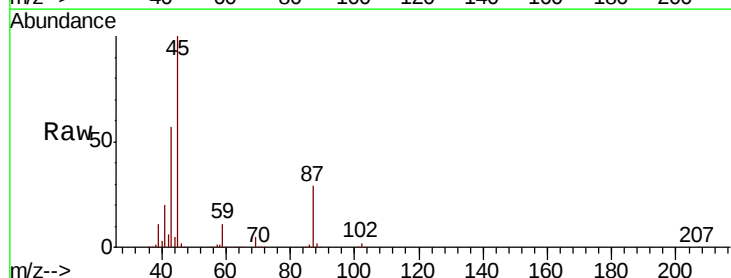
Ion Ratio Lower Upper

45 100

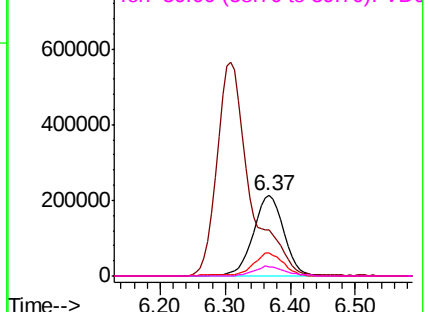
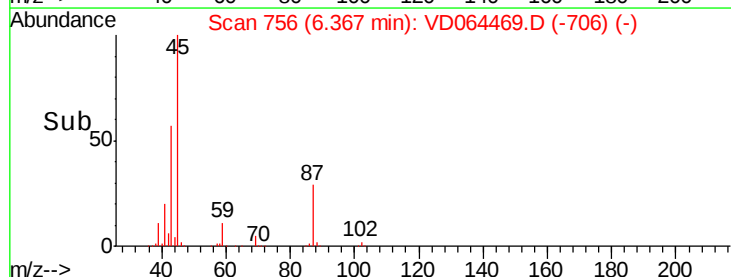
43 56.7 43.1 64.7

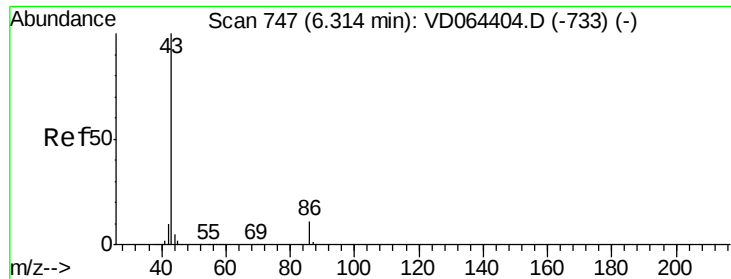
87 28.5 23.5 35.3

59 11.2 8.2 12.2



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: 237.678 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

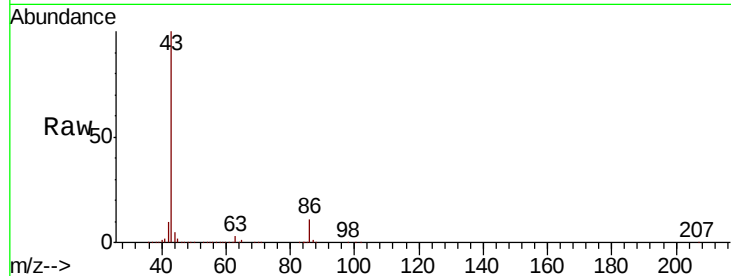
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1964951

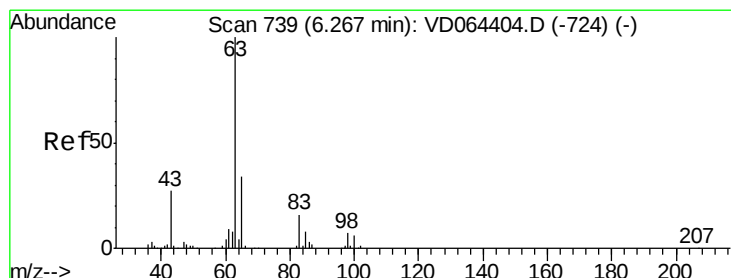
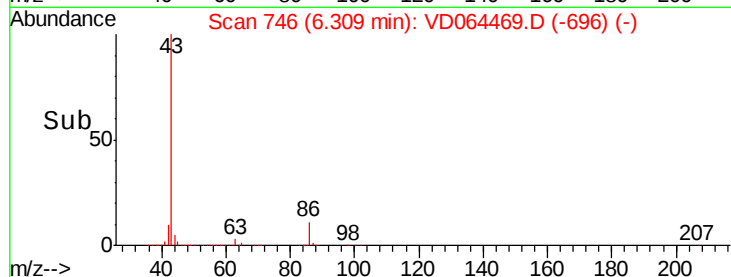
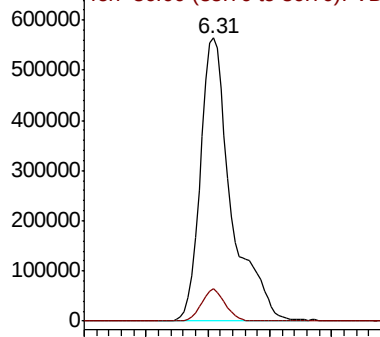
Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.260 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

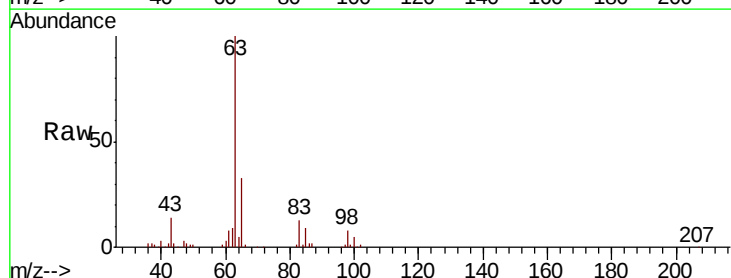
Tgt Ion: 63 Resp: 432301

Ion Ratio Lower Upper

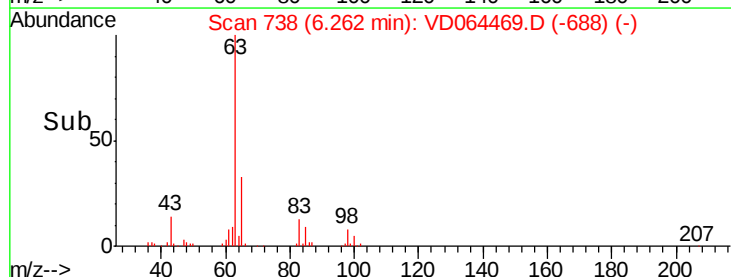
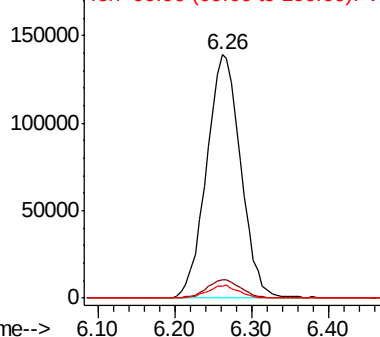
63 100

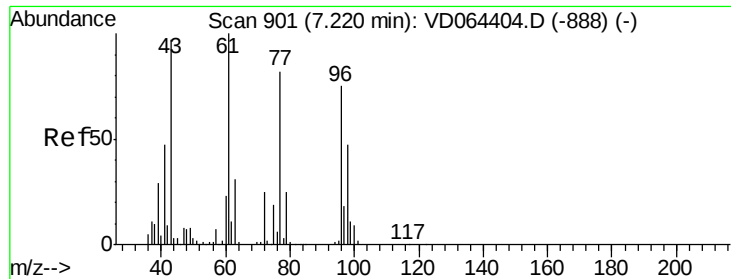
98 7.7 3.6 10.9

100 4.7 2.9 8.6



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: 220.014 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

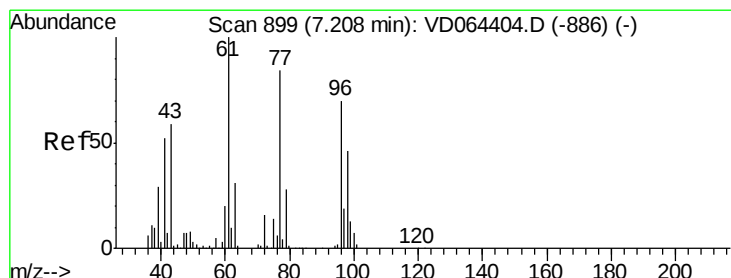
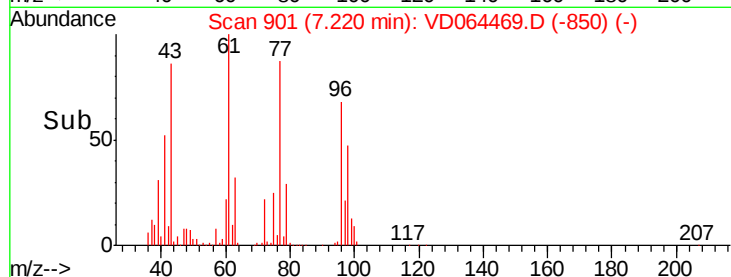
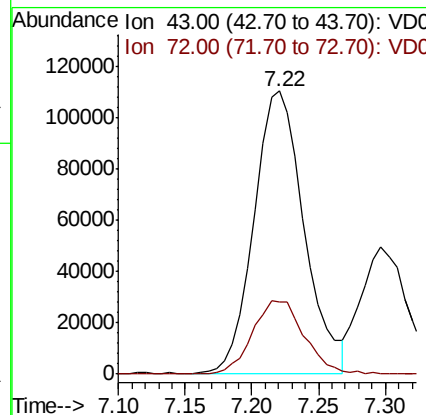
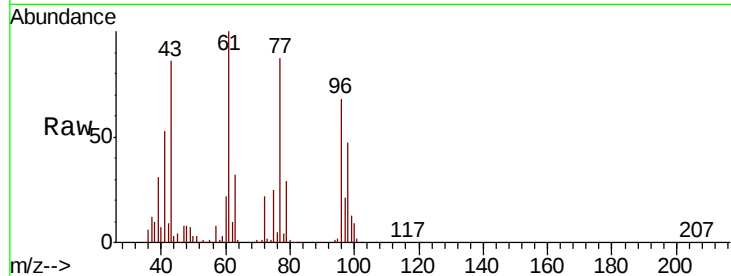
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 287403

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 56.236 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064469.D

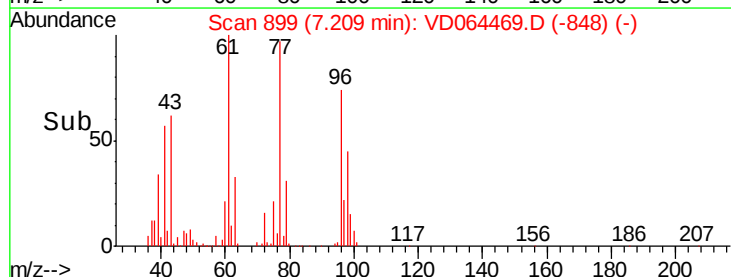
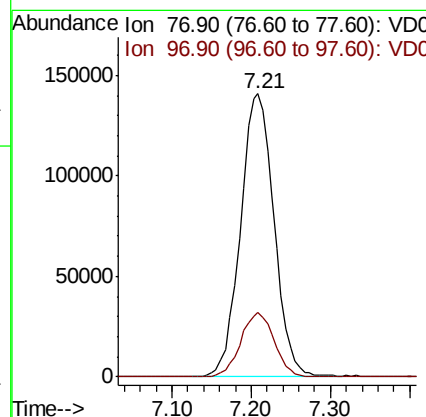
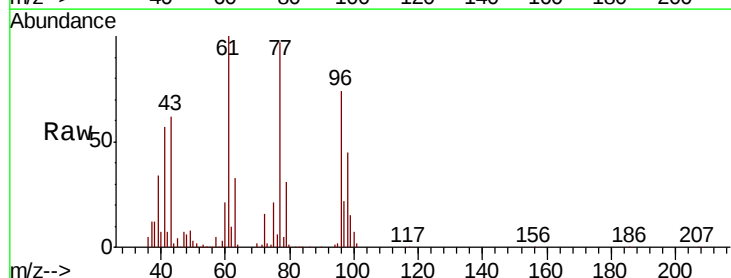
Acq: 09 Dec 2019 11:50

Tgt Ion: 77 Resp: 412444

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7

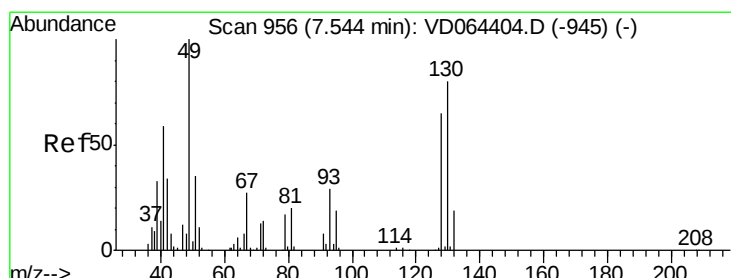
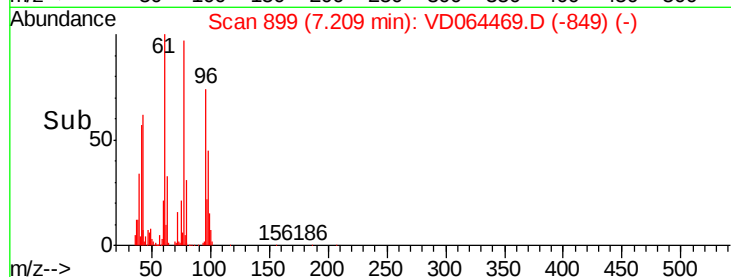
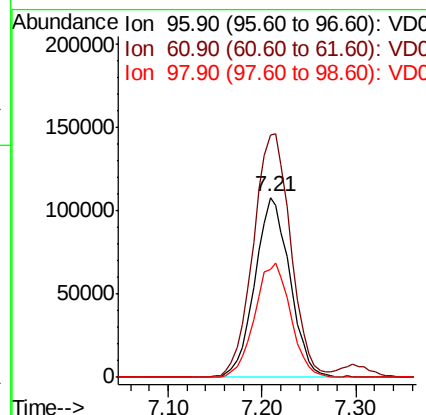
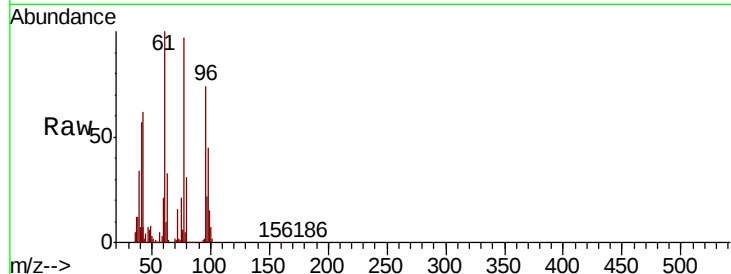




#27
 cis-1,2-Dichloroethene
 Concen: 49.568 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

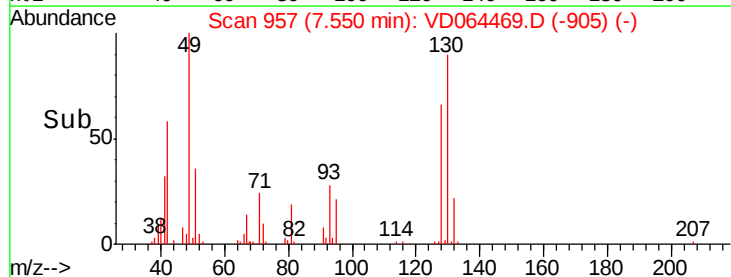
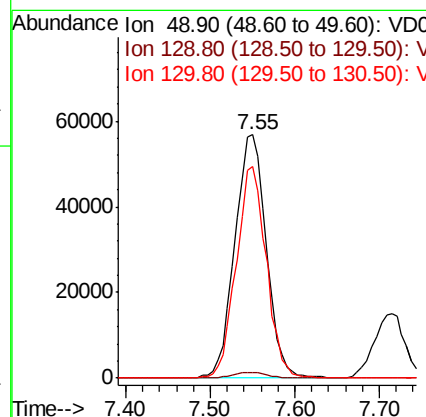
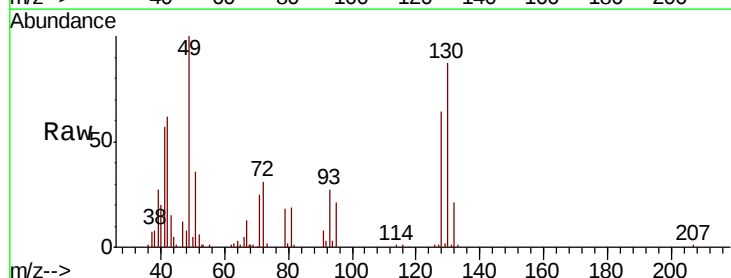
Instrument :
 MSVOA_D
 ClientSampleId :

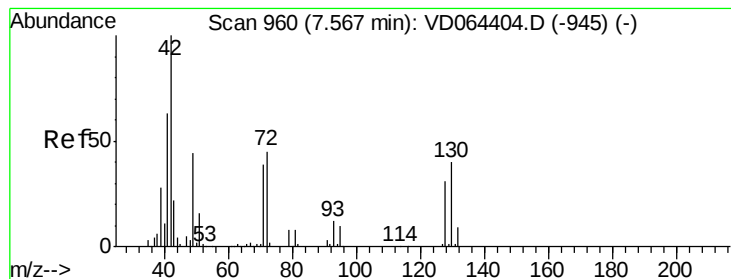
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	279.6
98	65.2	0.0	129.2



#28
 Bromochloromethane
 Concen: 50.546 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	83.3	67.4	101.0





#29

Tetrahydrofuran

Concen: 205.006 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampled :

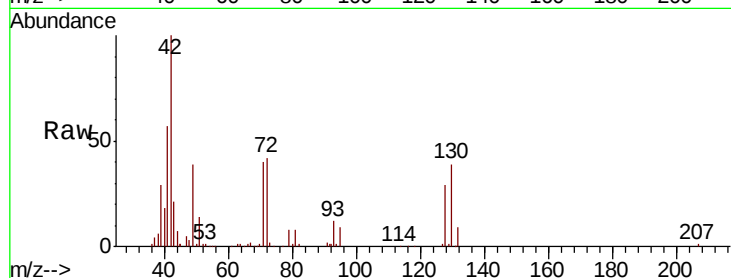
Tot Ion: 42 Resp: 170379

Ion Ratio Lower Upper

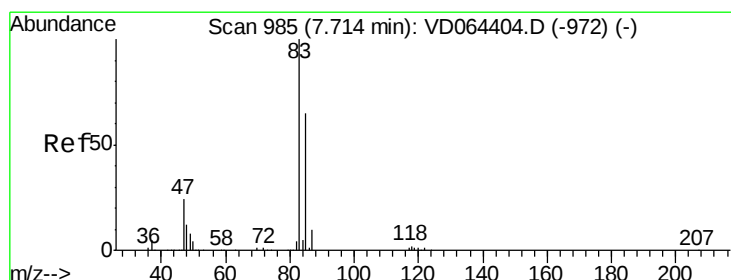
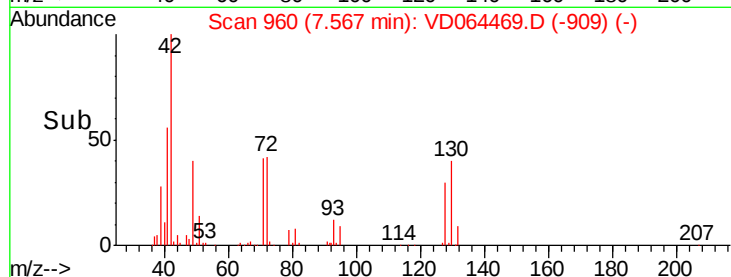
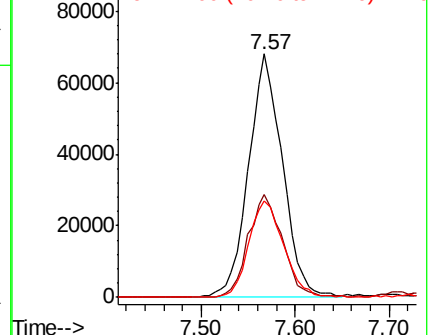
42 100

72 42.6 35.8 53.8

71 40.7 32.7 49.1



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: 50.359 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064469.D

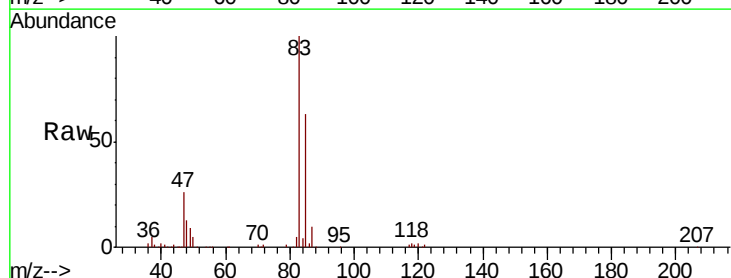
Acq: 09 Dec 2019 11:50

Tgt Ion: 83 Resp: 439844

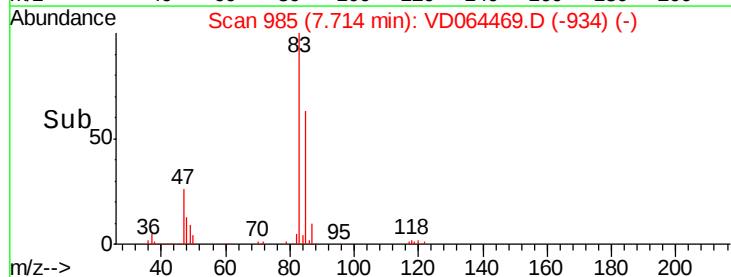
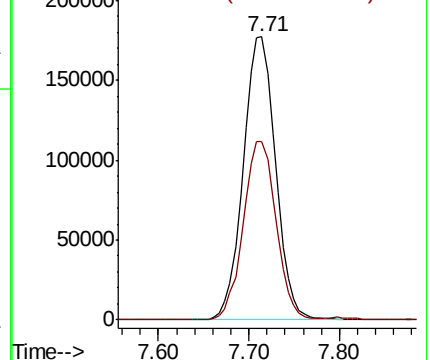
Ion Ratio Lower Upper

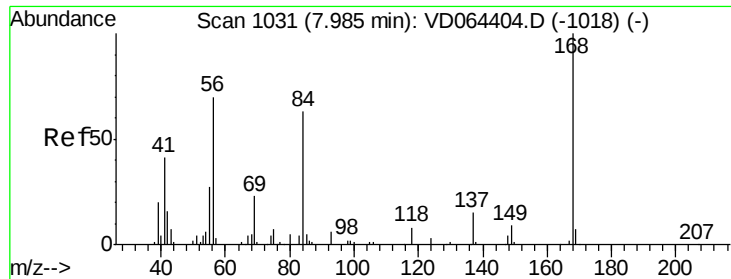
83 100

85 63.1 51.8 77.6



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

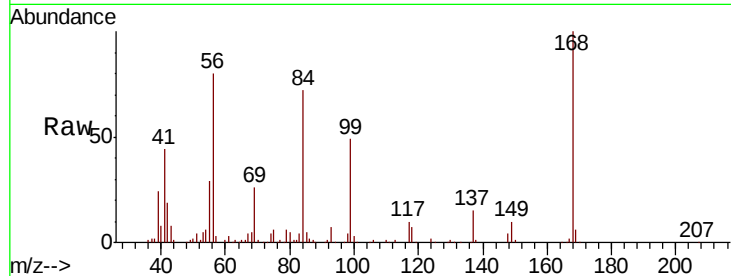




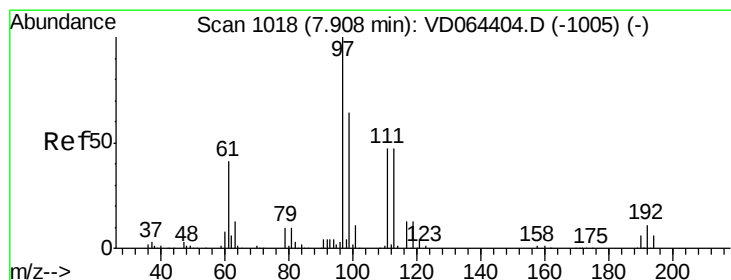
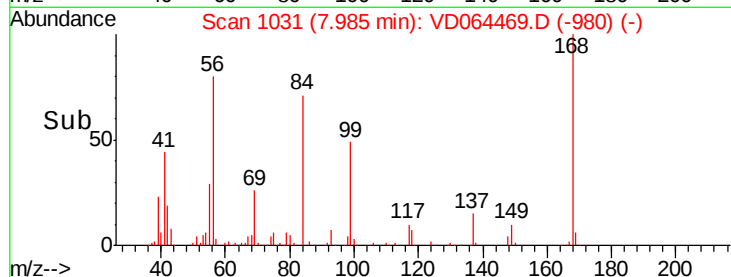
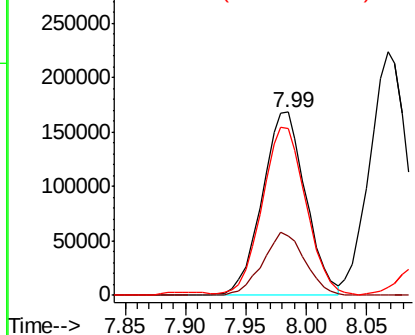
#31
Cyclohexane
Concen: 58.120 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 422450
Ion Ratio Lower Upper
56 100
69 32.6 26.2 39.4
84 89.0 70.3 105.5

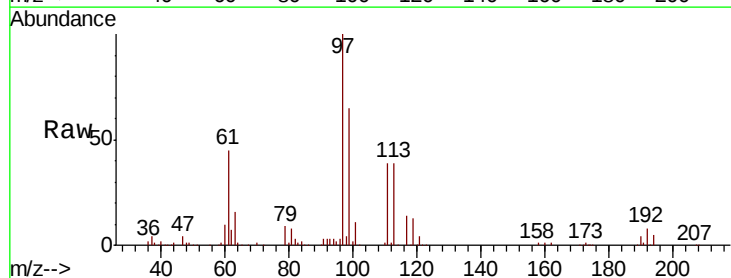


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

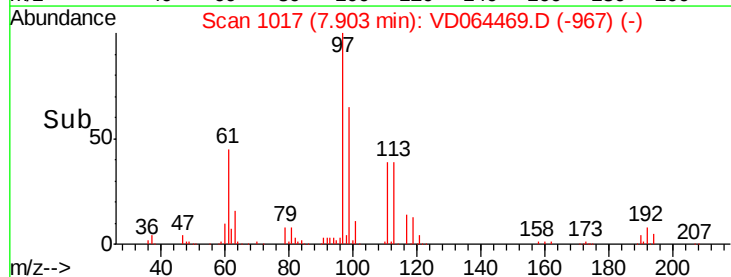
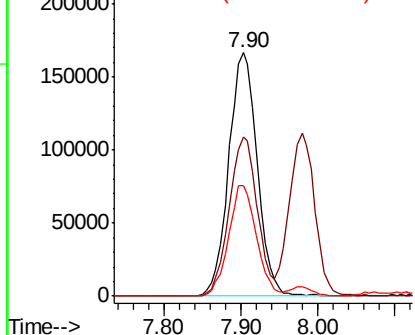


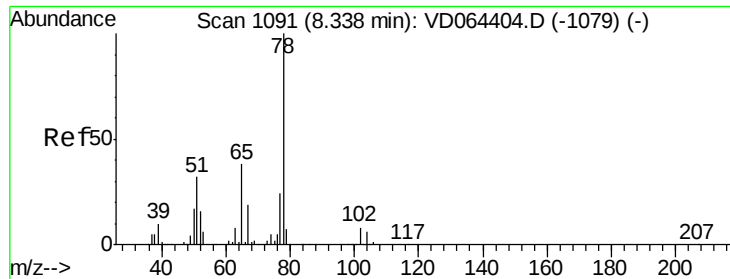
#32
1,1,1-Trichloroethane
Concen: 53.310 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 97 Resp: 431677
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 44.3 35.0 52.4



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

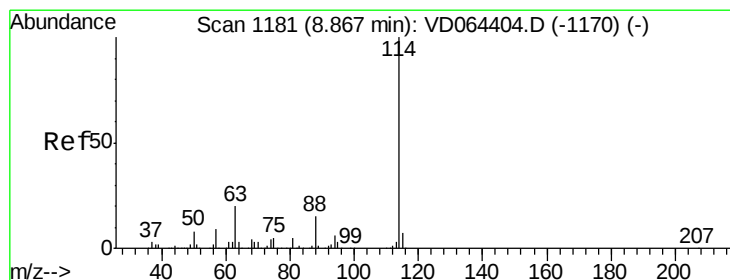
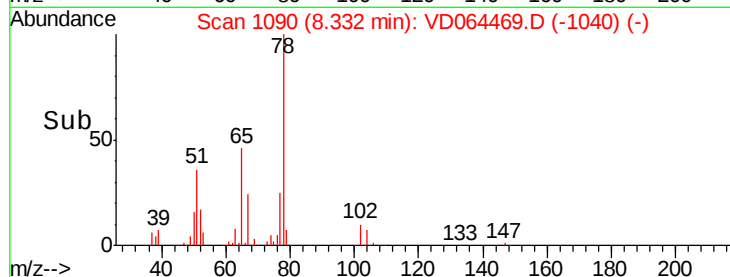
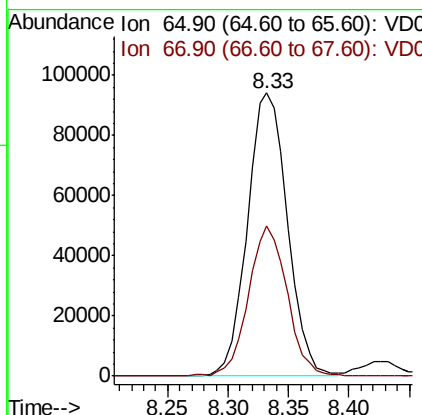
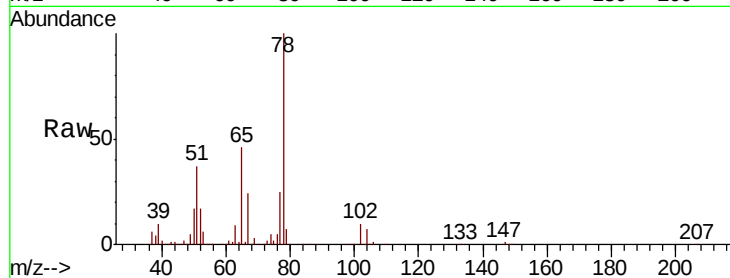




#33
 1,2-Dichloroethane-d4
 Concen: 47.559 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

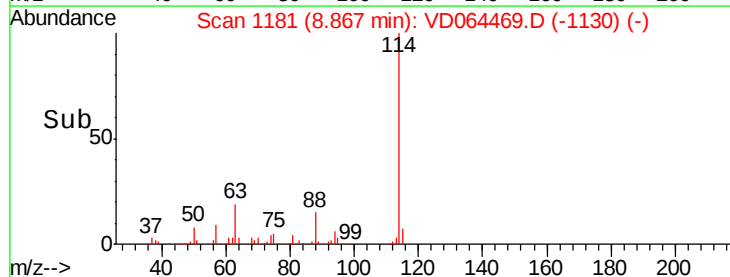
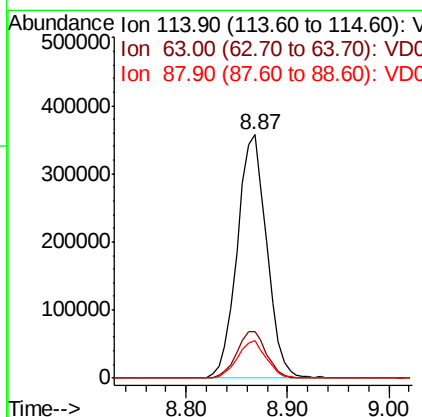
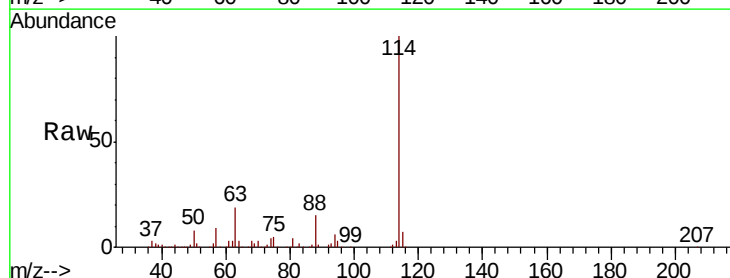
Instrument :
 MSVOA_D
 ClientSampled :

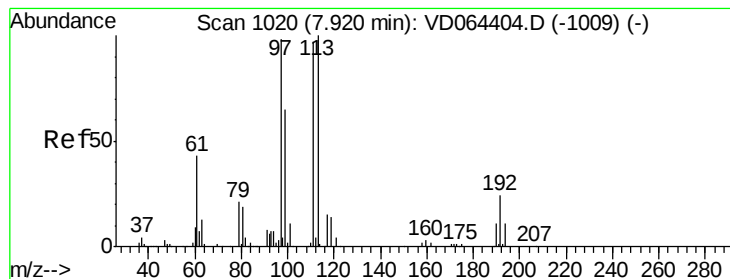
Tot Ion: 65 Resp: 217390
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 114 Resp: 720723
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 49.803 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :

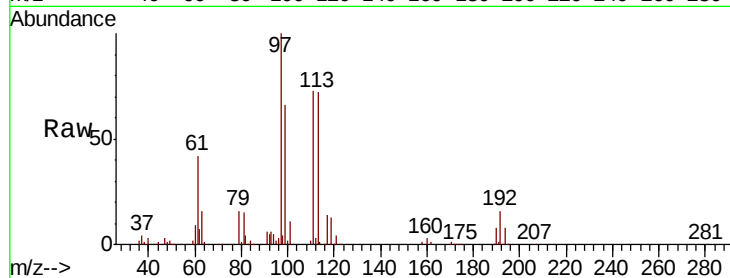
Tot Ion:113 Resp: 226152

Ion Ratio Lower Upper

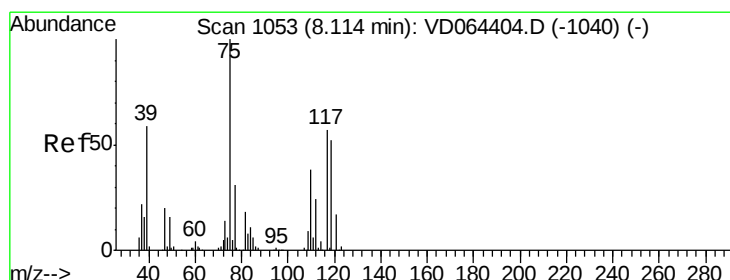
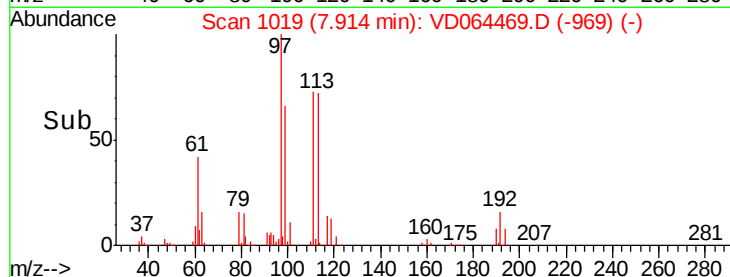
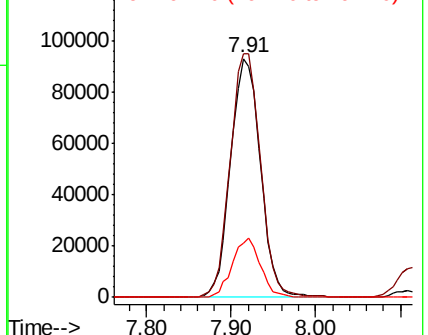
113 100

111 103.7 79.4 119.2

192 23.4 18.6 28.0



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



#36

1,1-Dichloropropene

Concen: 54.149 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

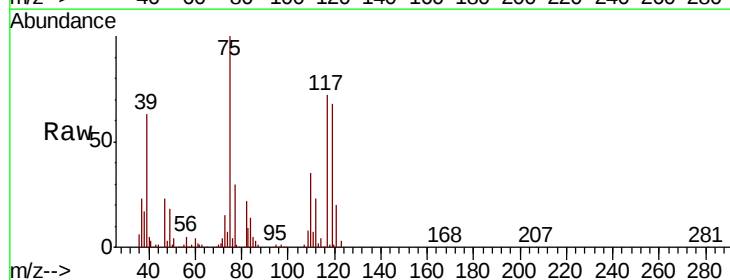
Tgt Ion: 75 Resp: 369135

Ion Ratio Lower Upper

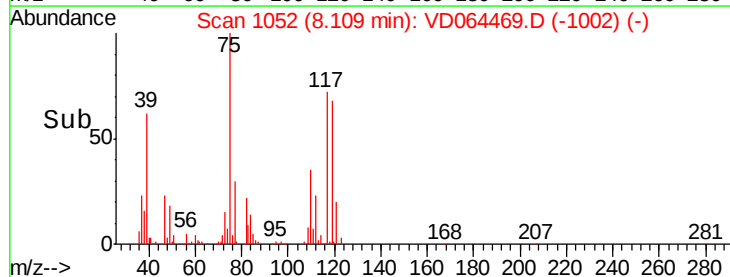
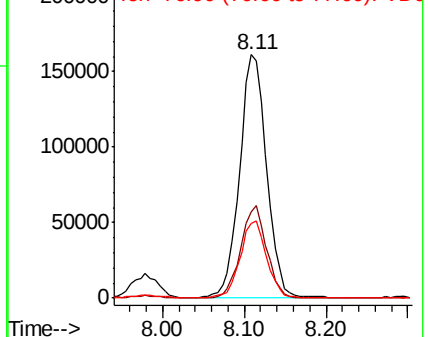
75 100

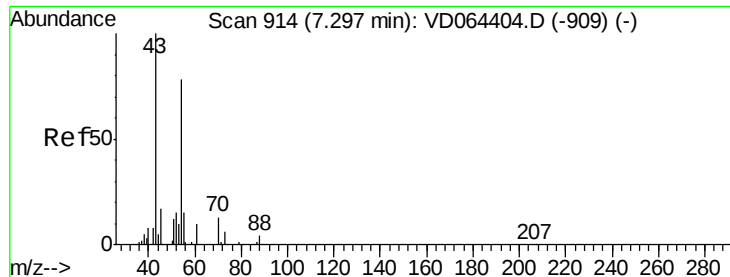
110 36.6 18.6 55.8

77 31.1 25.0 37.4



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

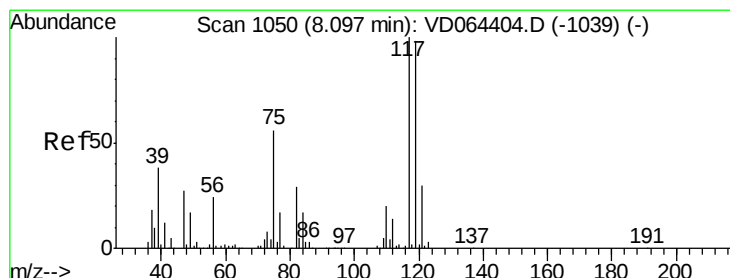
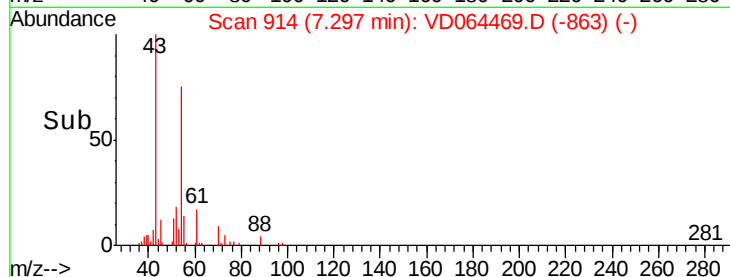
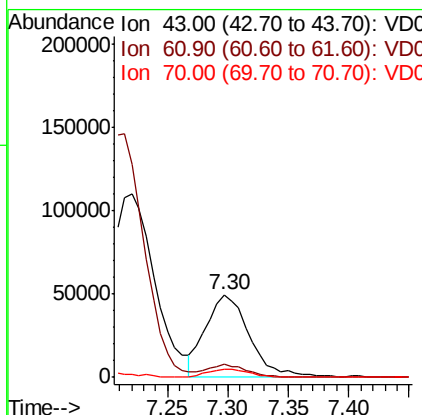
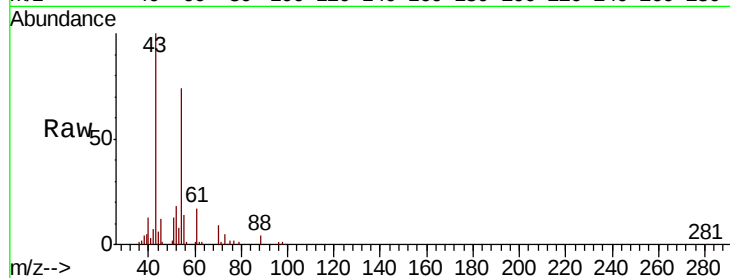




#37
Ethyl Acetate
Concen: 42.192 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

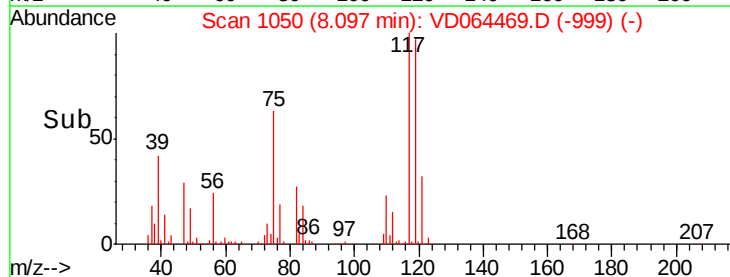
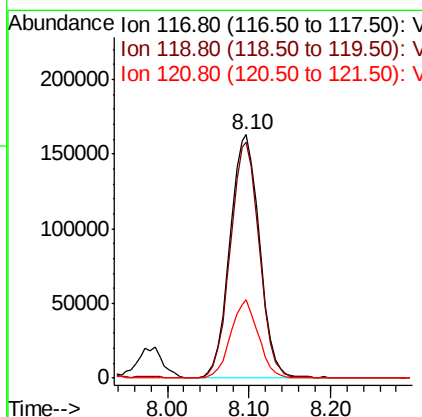
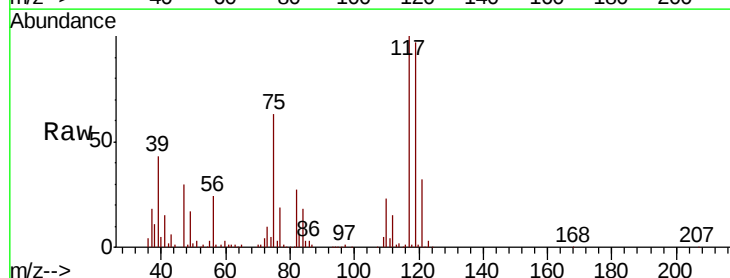
Instrument :
MSVOA_D
ClientSampleId :

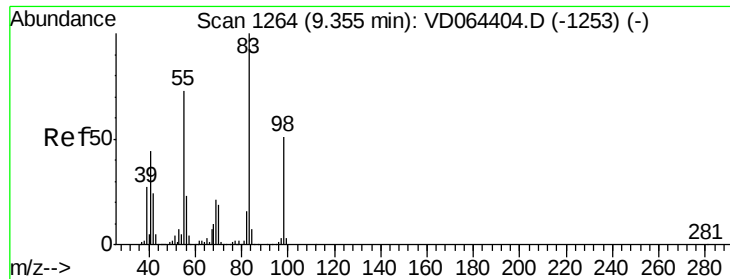
Tot Ion: 43 Resp: 122045
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 10.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 56.620 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 117 Resp: 407372
Ion Ratio Lower Upper
117 100
119 96.9 78.8 118.2
121 32.1 24.2 36.2

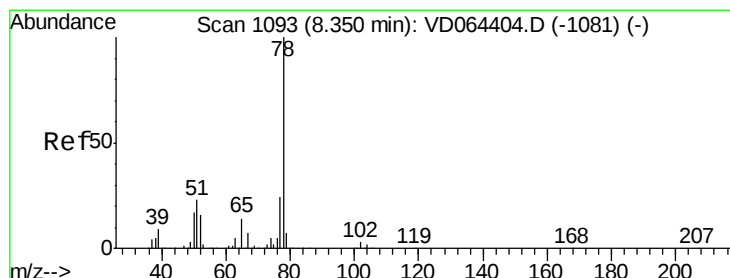
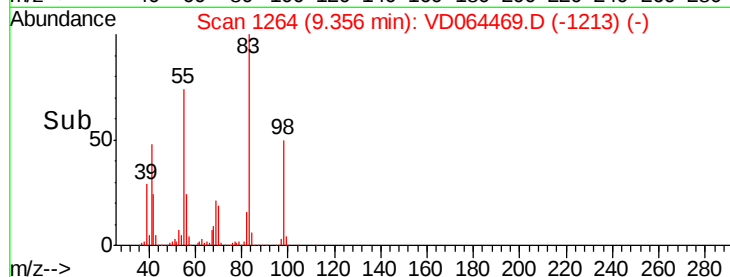
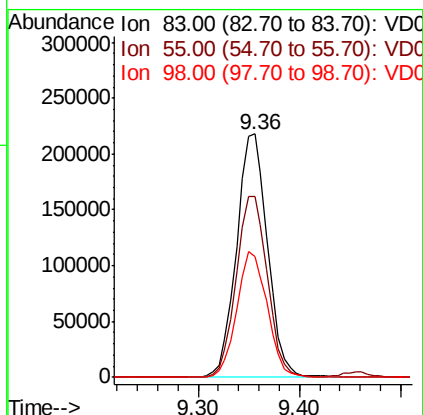
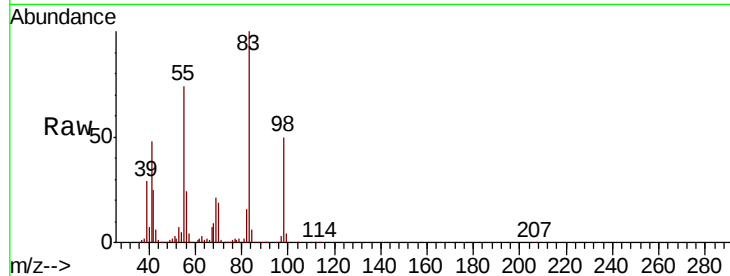




#39
Methvlcvclohexane
Concen: 54.522 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

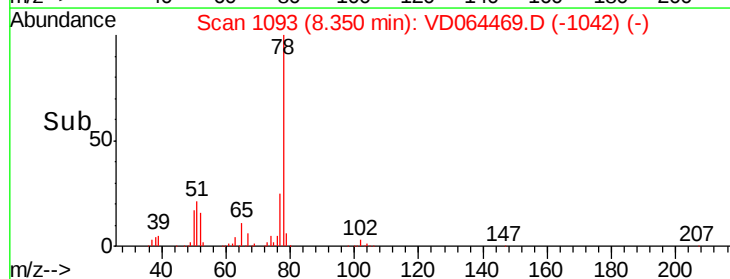
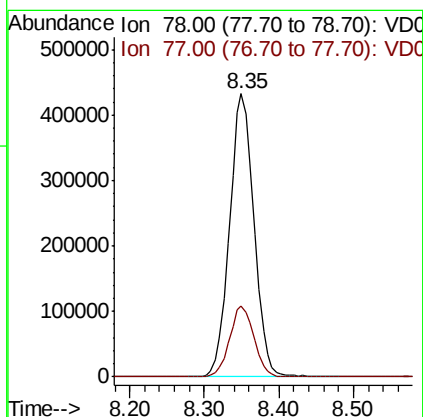
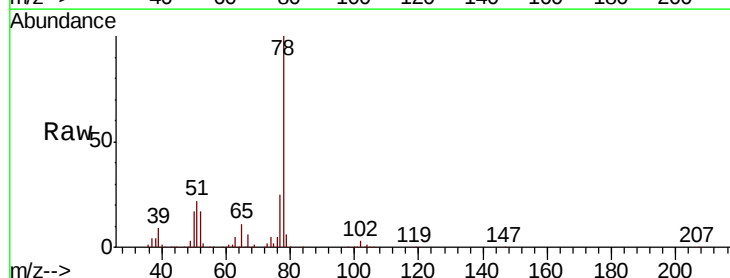
Instrument :
MSVOA_D
ClientSampled :

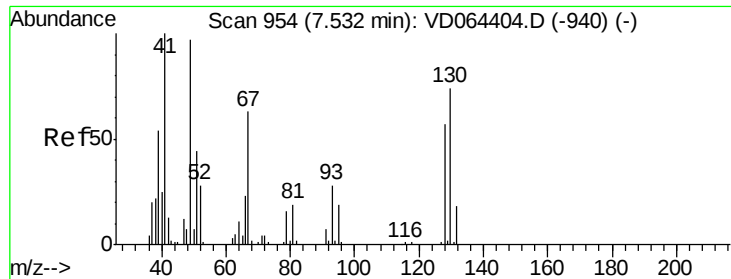
Tot Ion: 83 Resp: 461055
Ion Ratio Lower Upper
83 100
55 74.4 58.6 87.8
98 49.7 40.9 61.3



#40
Benzene
Concen: 51.969 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 78 Resp: 983980
Ion Ratio Lower Upper
78 100
77 25.0 19.6 29.4

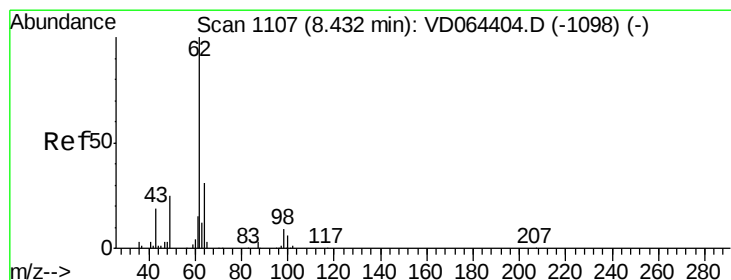
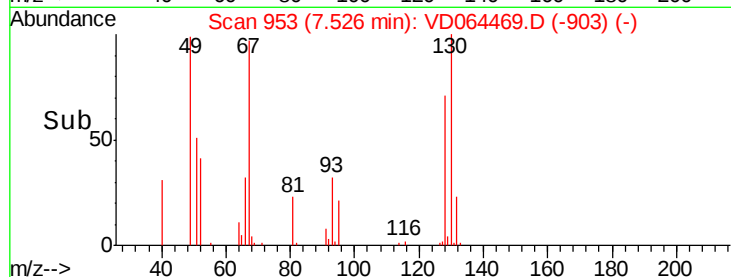
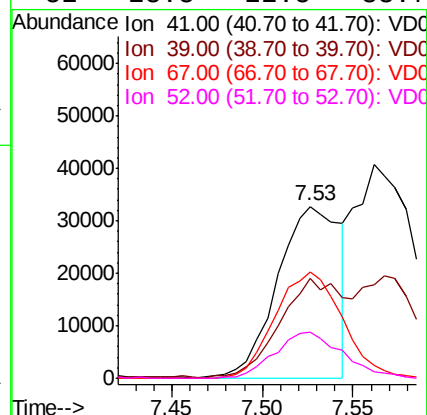
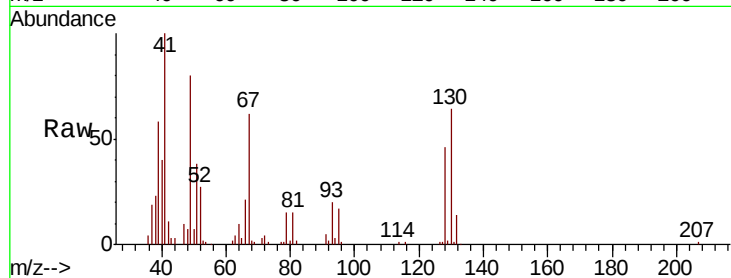




#41
Methacrylonitrile
Concen: 47.750 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

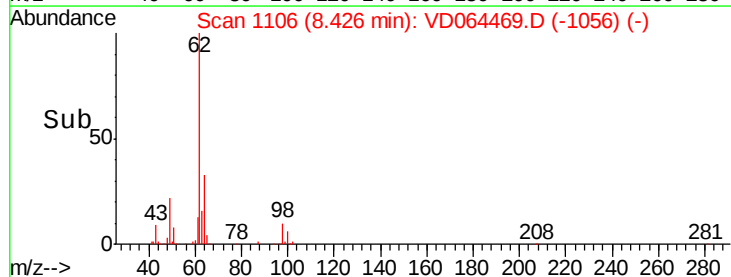
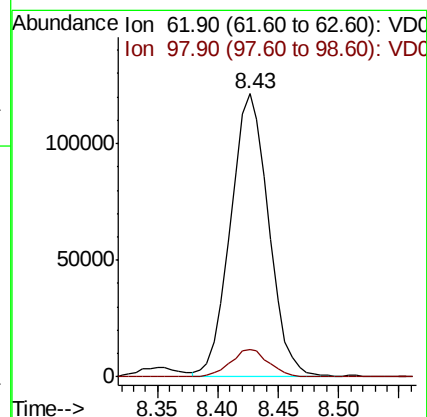
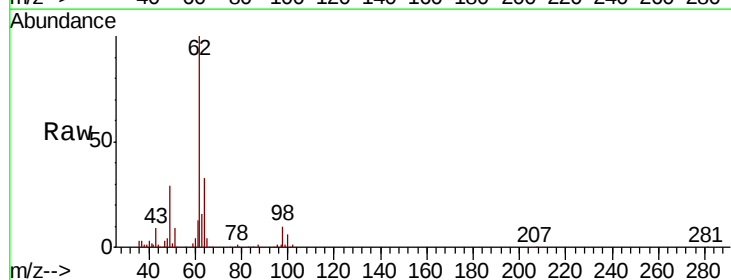
Instrument :
MSVOA_D
ClientSampled :

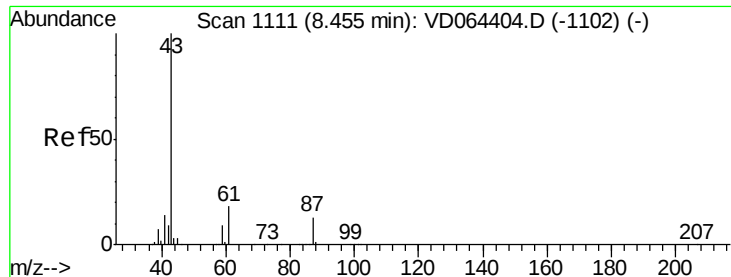
Tot Ion:	41	Resp:	79211
Ion	Ratio	Lower	Upper
41	100		
39	61.8	44.6	67.0
67	67.0	50.9	76.3
52	28.8	22.5	33.7



#42
1,2-Dichloroethane
Concen: 47.851 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:	62	Resp:	264213
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 44.057 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

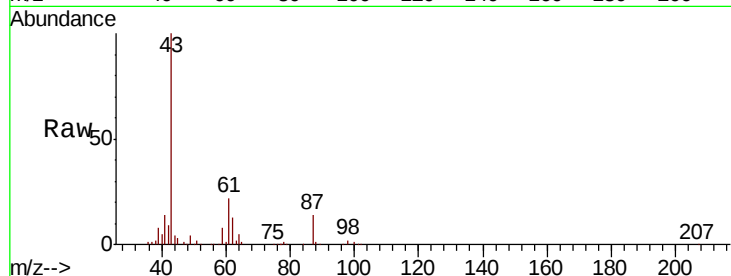
Tot Ion: 43 Resp: 250573

Ion Ratio Lower Upper

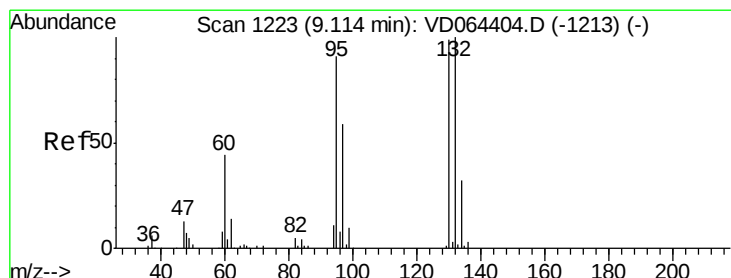
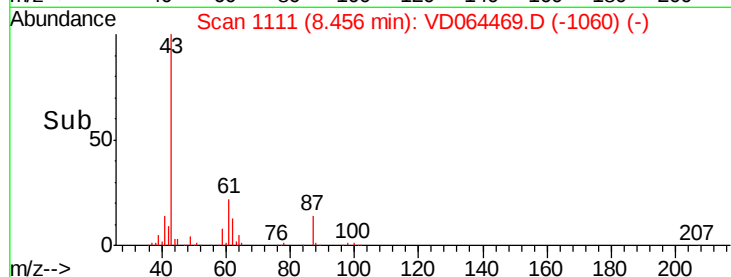
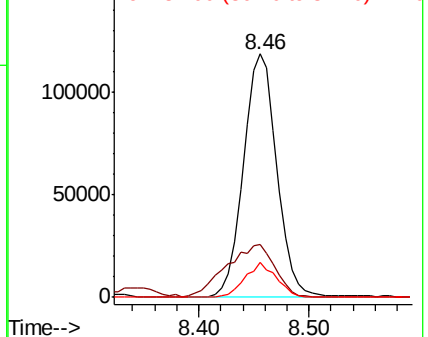
43 100

61 31.4 24.0 36.0

87 13.7 10.6 15.8



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: 52.192 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064469.D

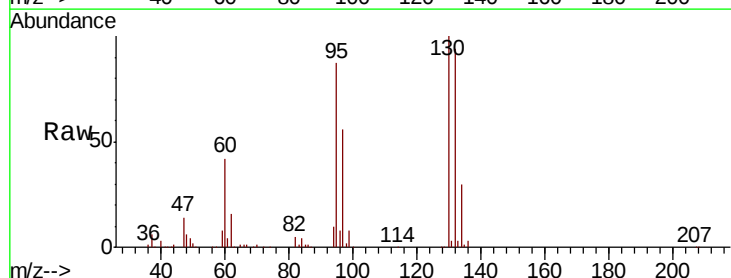
Acq: 09 Dec 2019 11:50

Tgt Ion: 130 Resp: 297671

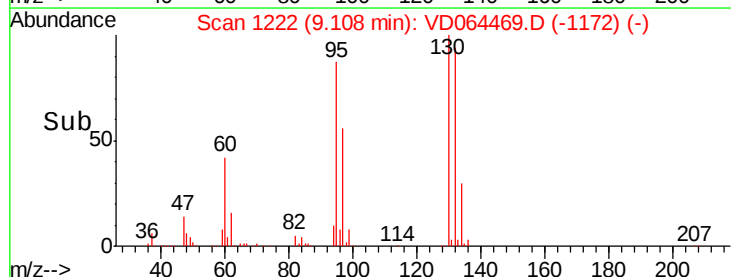
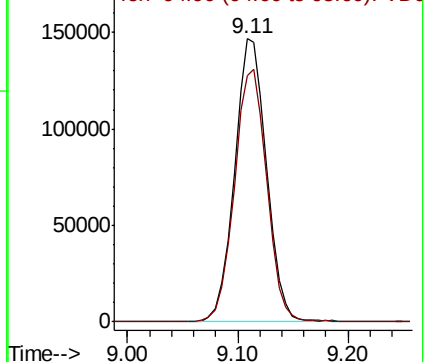
Ion Ratio Lower Upper

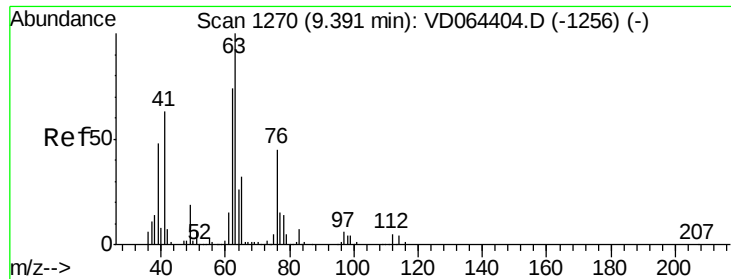
130 100

95 87.1 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 51.475 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

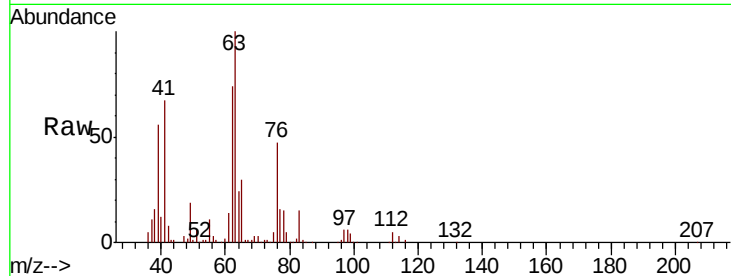
ClientSampleId :

Tot Ion: 63 Resp: 233088

Ion Ratio Lower Upper

63 100

65 30.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

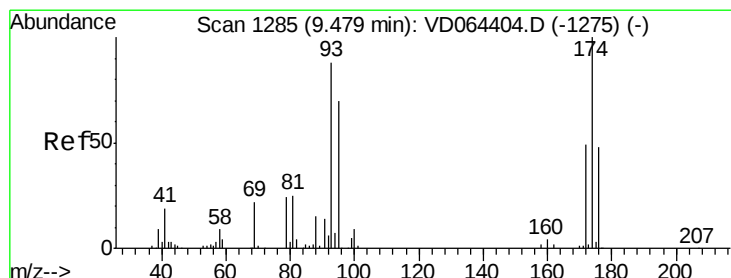
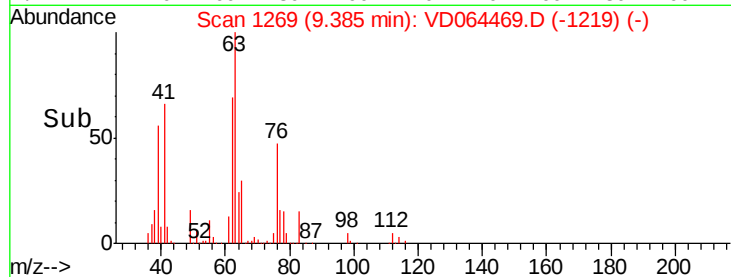
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.833 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

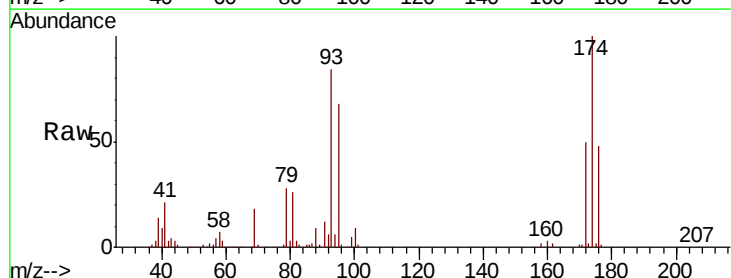
Tgt Ion: 93 Resp: 119691

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 116.5 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48

80000

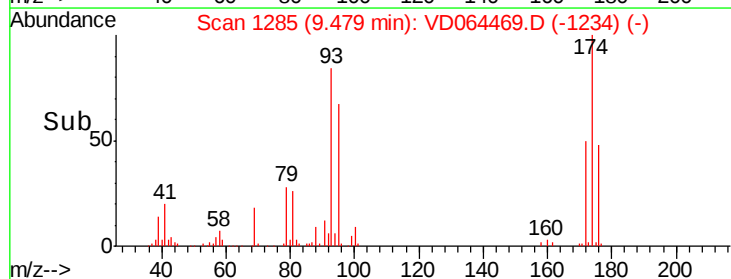
60000

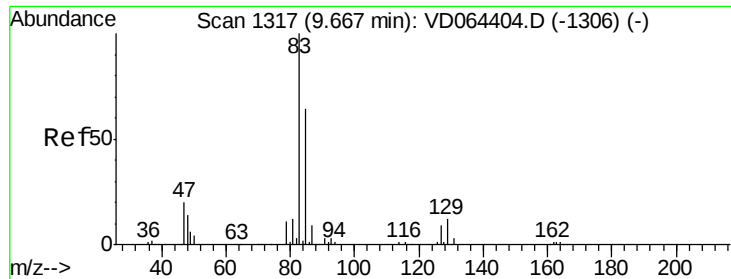
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.473 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampled :

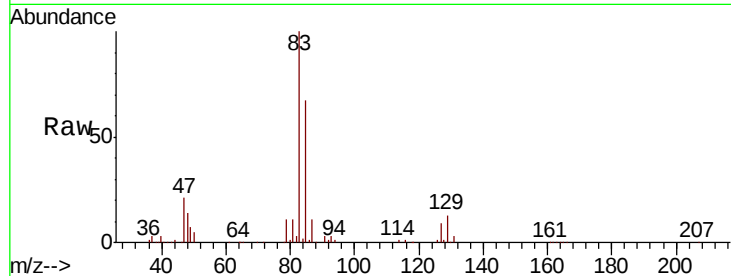
Tot Ion: 83 Resp: 331442

Ion Ratio Lower Upper

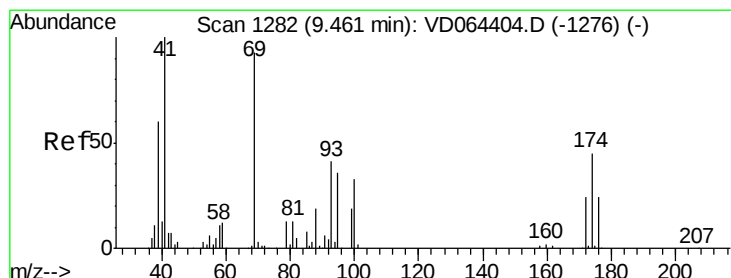
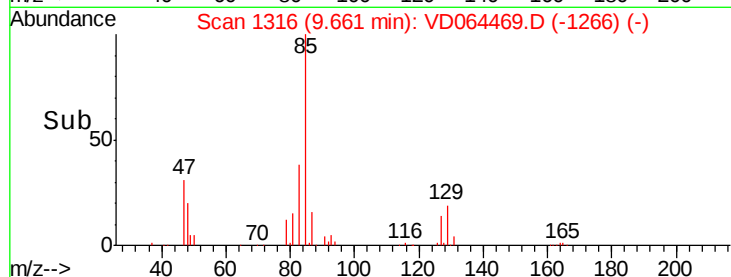
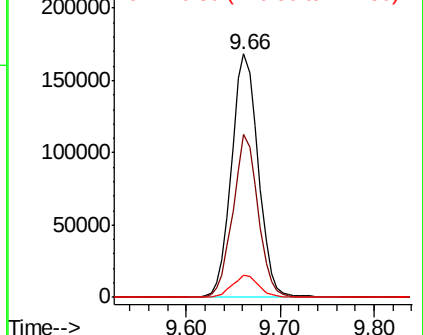
83 100

85 66.8 51.1 76.7

127 9.1 7.4 11.0



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: 45.040 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

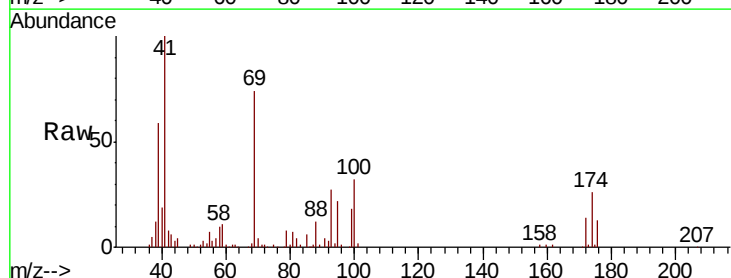
Tgt Ion: 41 Resp: 117218

Ion Ratio Lower Upper

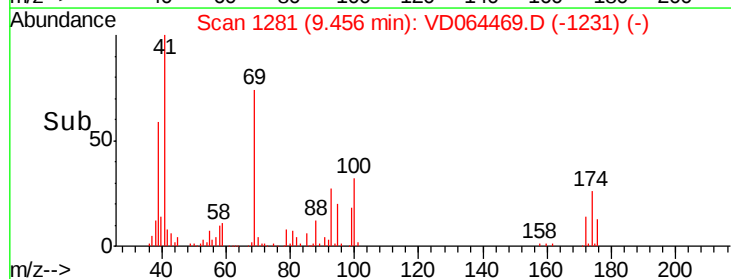
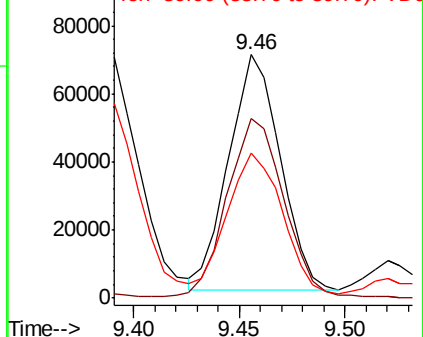
41 100

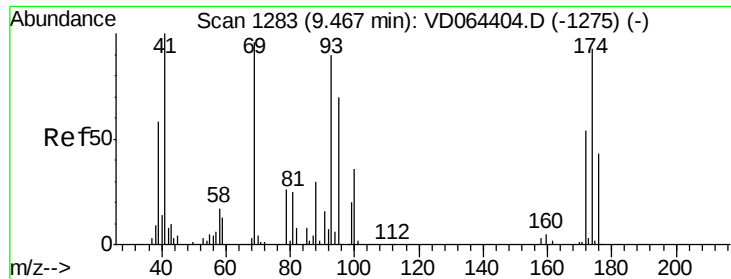
69 84.0 72.0 108.0

39 63.5 55.2 82.8



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: 826.989 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :

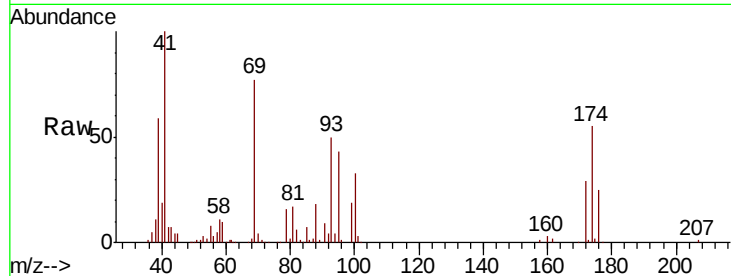
Tot Ion: 88 Resp: 26099

Ion Ratio Lower Upper

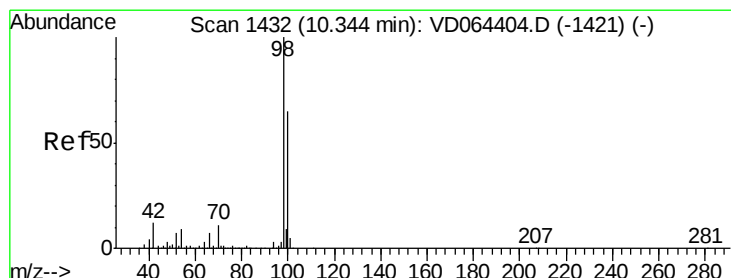
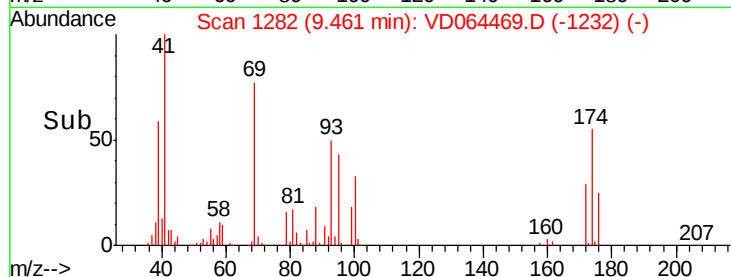
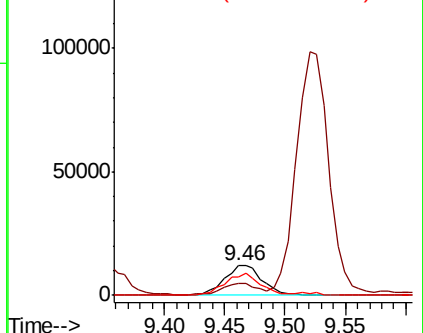
88 100

43 35.2 26.7 40.1

58 68.5 52.3 78.5



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



#50

Toluene-d8

Concen: 51.587 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064469.D

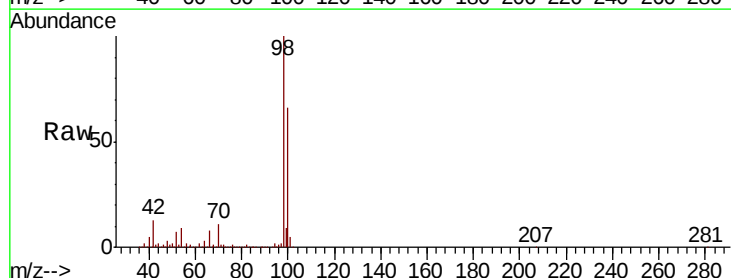
Acq: 09 Dec 2019 11:50

Tgt Ion: 98 Resp: 882406

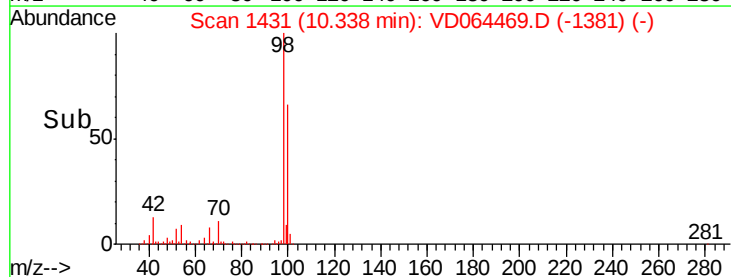
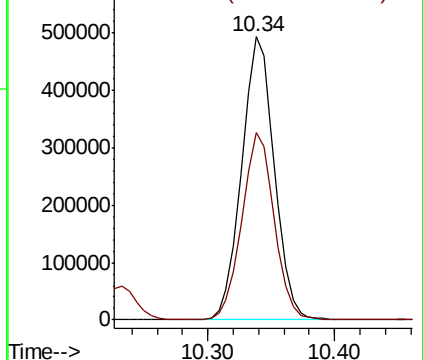
Ion Ratio Lower Upper

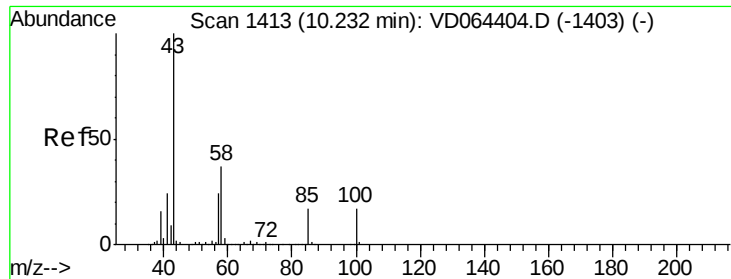
98 100

100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

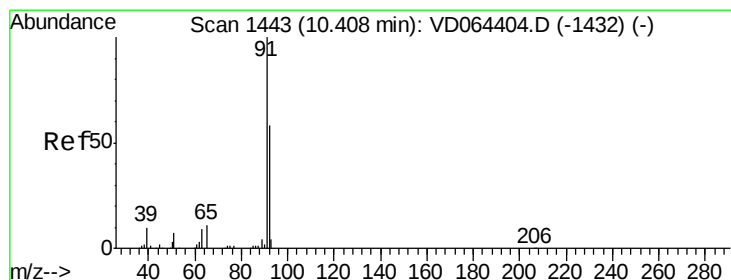
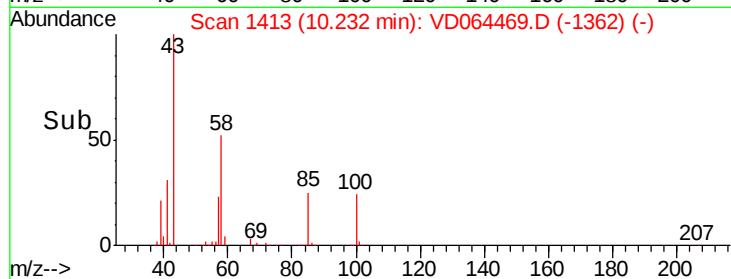
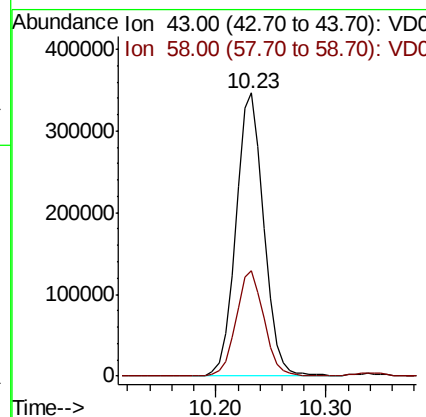
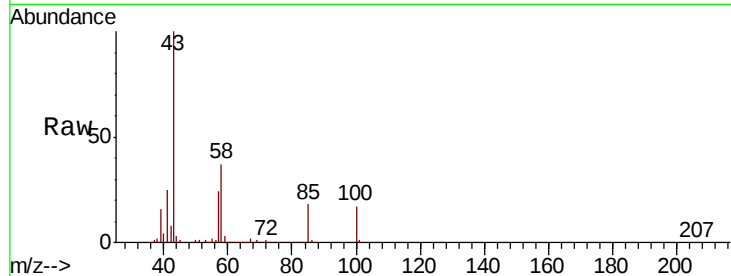




#51
 4-Methyl-2-Pentanone
 Concen: 218.452 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

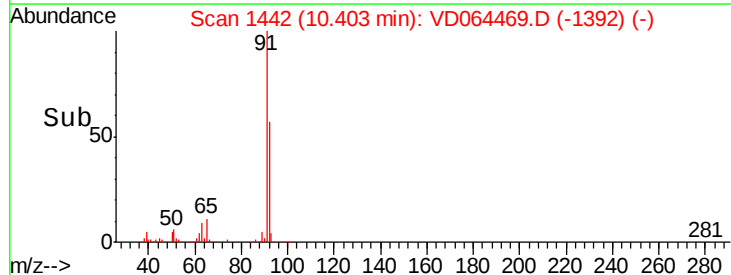
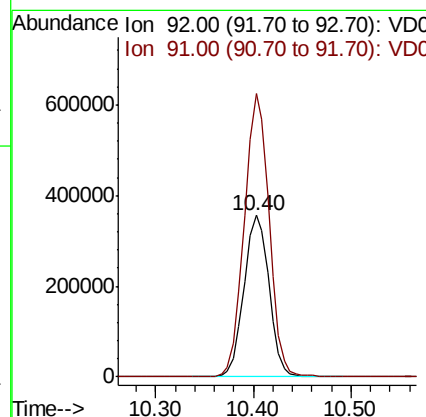
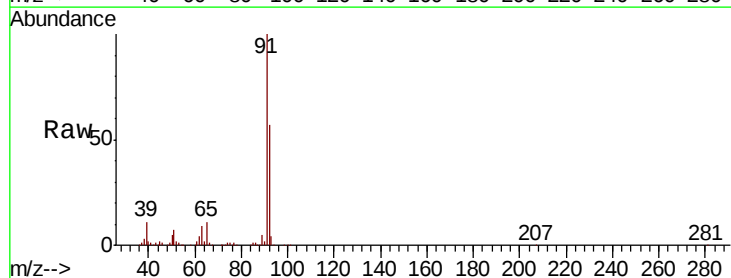
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 614742
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.6 46.0



#52
 Toluene
 Concen: 51.915 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 92 Resp: 640592
 Ion Ratio Lower Upper
 92 100
 91 173.4 137.8 206.6

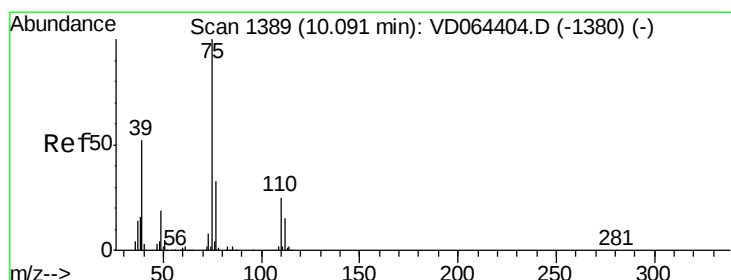
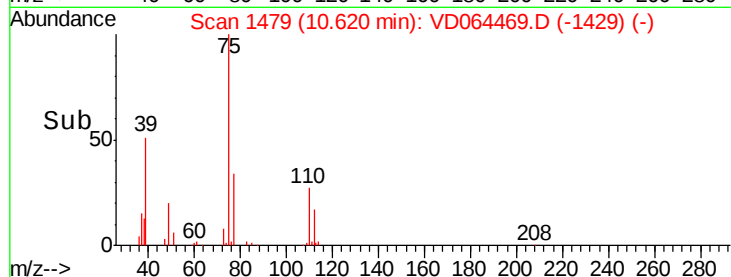
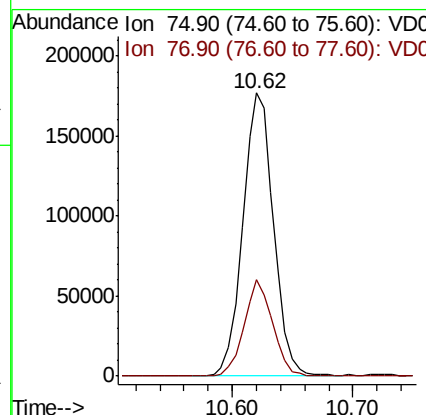
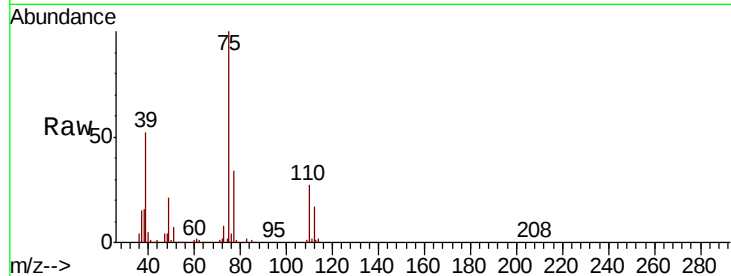




#53
t-1,3-Dichloropropene
Concen: 49.900 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

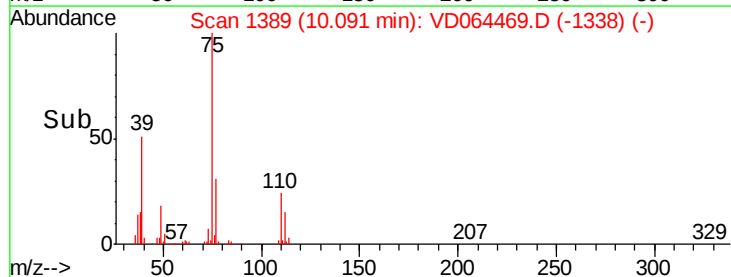
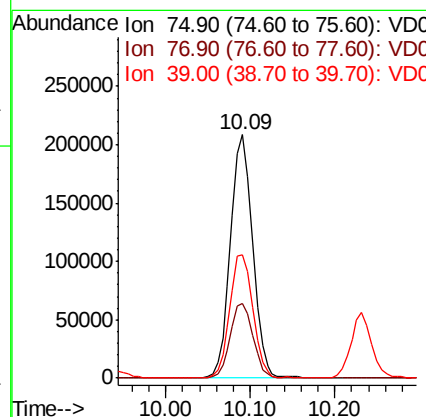
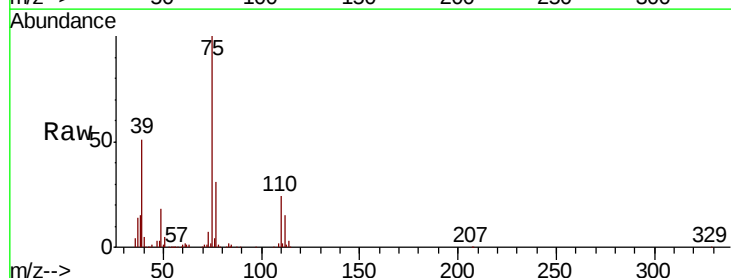
Instrument :
MSVOA_D
ClientSampleId :

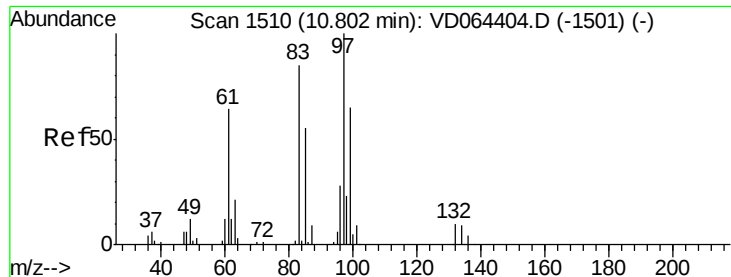
Tot Ion: 75 Resp: 312290
Ion Ratio Lower Upper
75 100
77 34.0 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 50.896 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 75 Resp: 378400
Ion Ratio Lower Upper
75 100
77 30.9 26.1 39.1
39 50.6 41.5 62.3

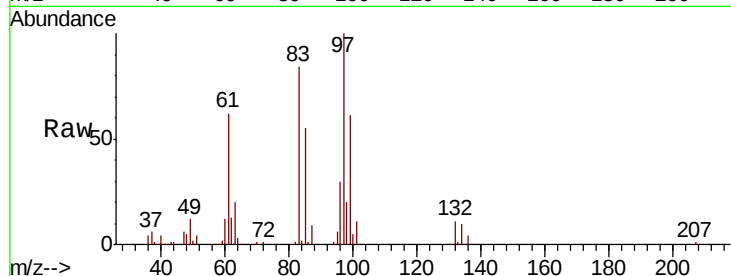




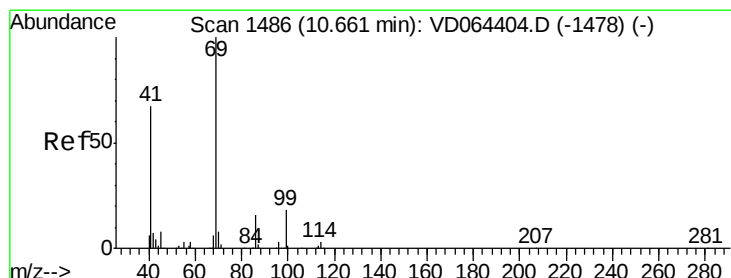
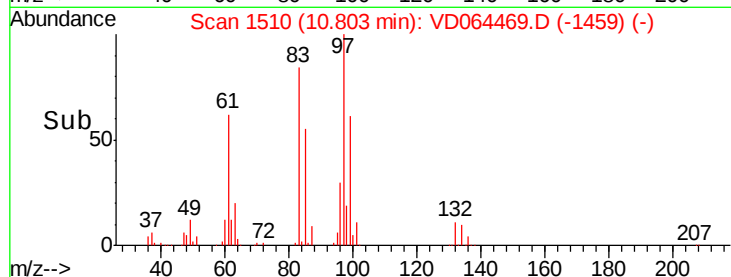
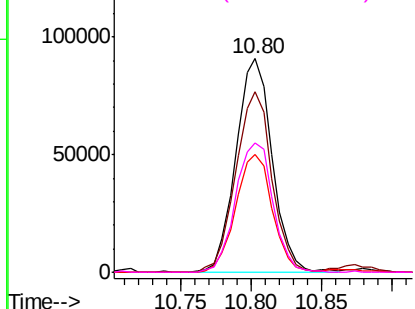
#55
 1,1,2-Trichloroethane
 Concen: 46.745 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 163582
 Ion Ratio Lower Upper
 97 100
 83 84.3 67.8 101.8
 85 55.0 43.7 65.5
 99 60.7 51.7 77.5

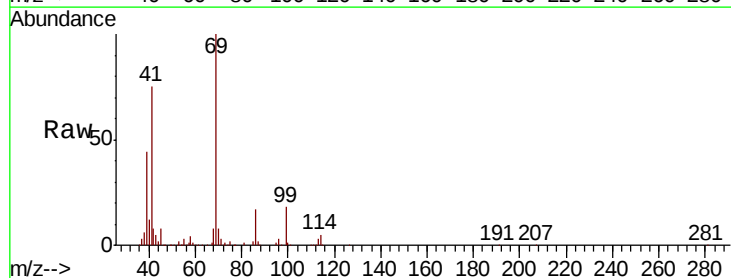


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

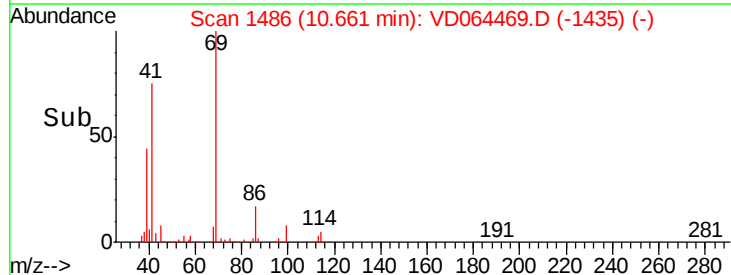
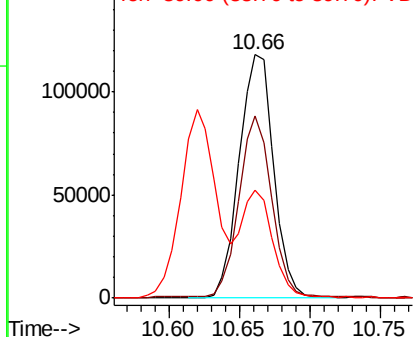


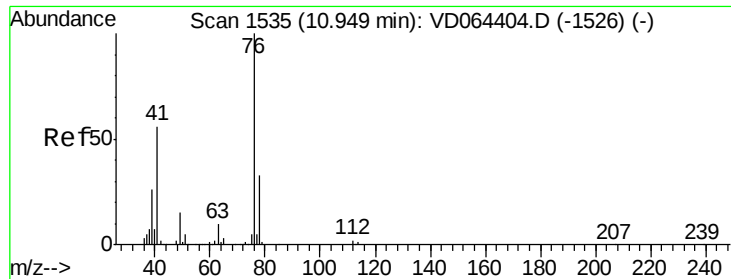
#56
 Ethyl methacrylate
 Concen: 45.378 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 69 Resp: 202538
 Ion Ratio Lower Upper
 69 100
 41 73.2 55.0 82.4
 39 40.5 33.0 49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 47.192 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

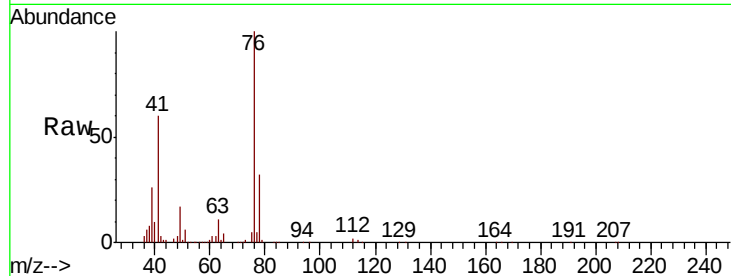
ClientSampleId :

Tot Ion: 76 Resp: 281124

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

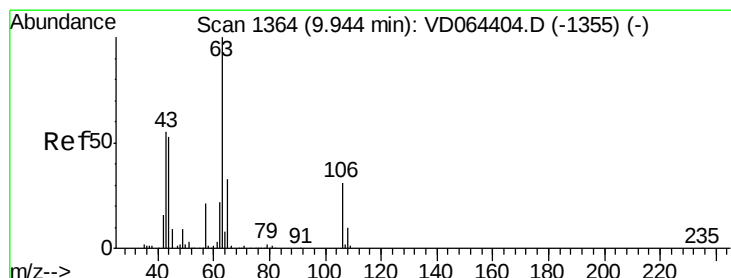
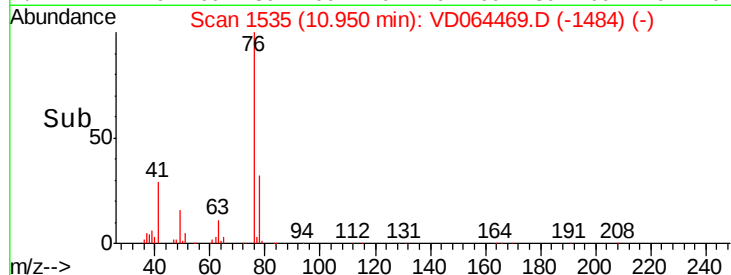
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.906 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064469.D

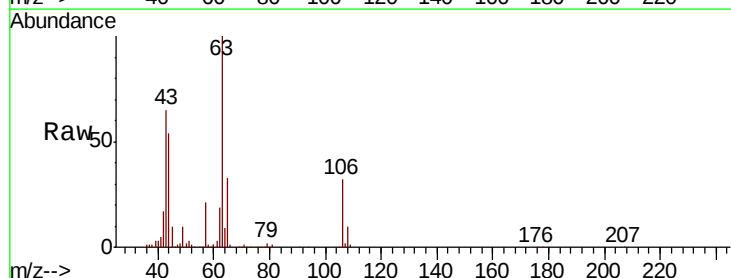
Acq: 09 Dec 2019 11:50

Tgt Ion: 63 Resp: 391272

Ion Ratio Lower Upper

63 100

106 31.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

250000

200000

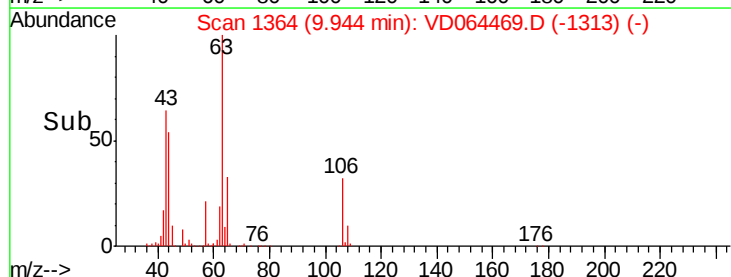
150000

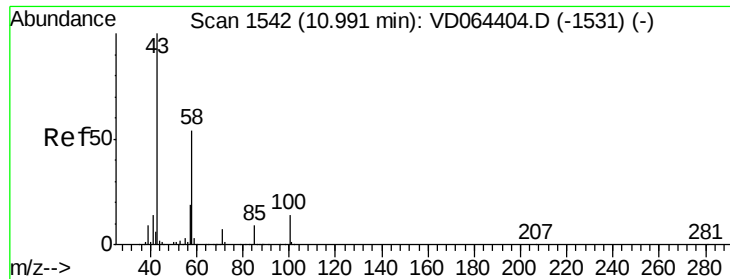
100000

50000

0

Time-->

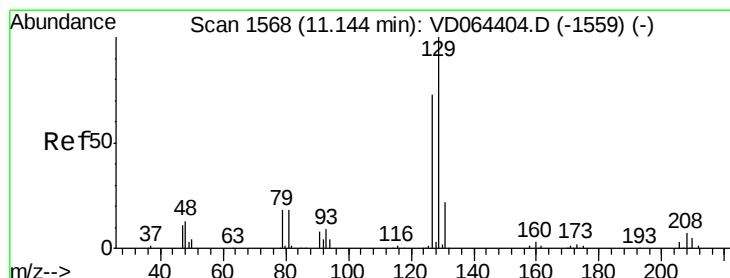
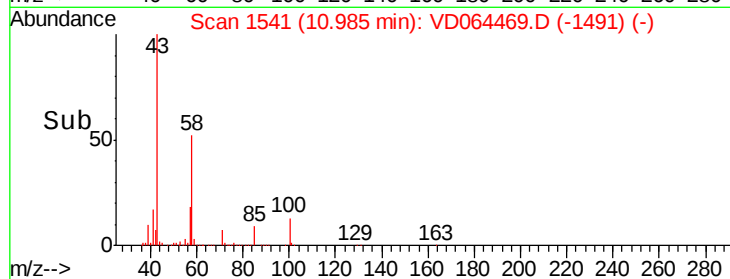
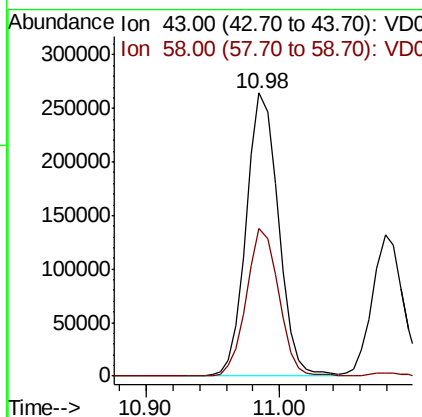
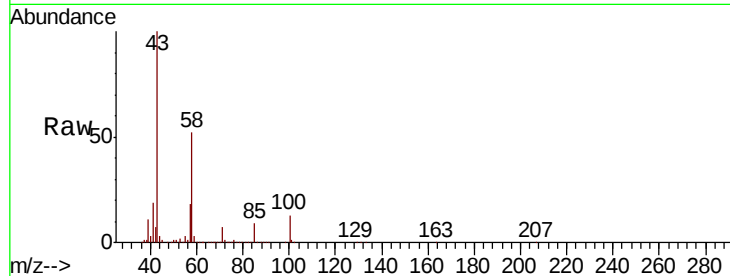




#59
2-Hexanone
Concen: 226.097 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

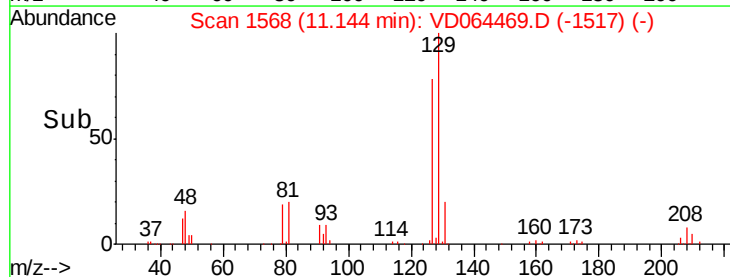
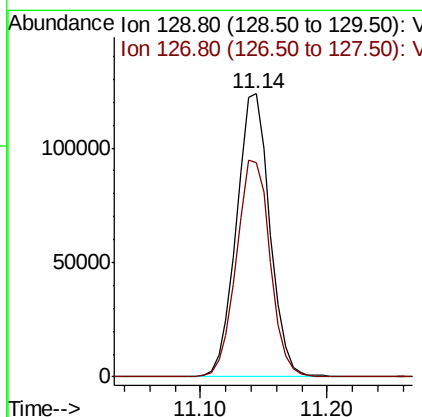
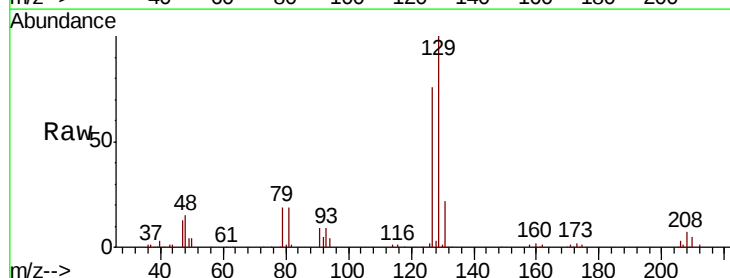
Instrument :
MSVOA_D
ClientSampled :

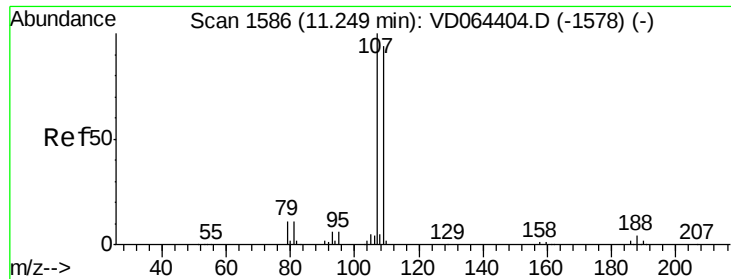
Tot Ion: 43 Resp: 441493
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.8



#60
Dibromochloromethane
Concen: 47.600 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 129 Resp: 225850
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

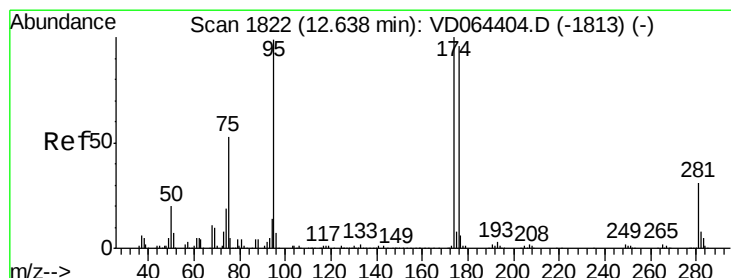
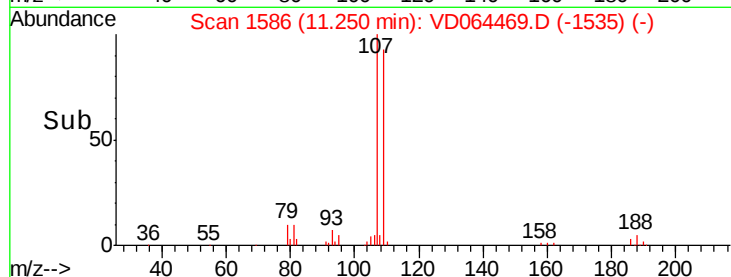
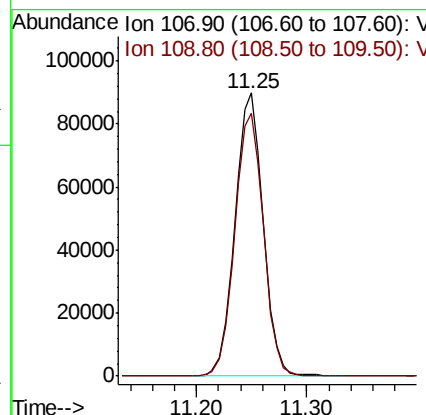
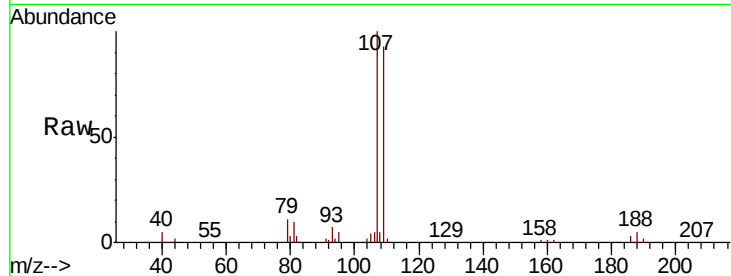




#61
 1,2-Dibromoethane
 Concen: 45.929 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

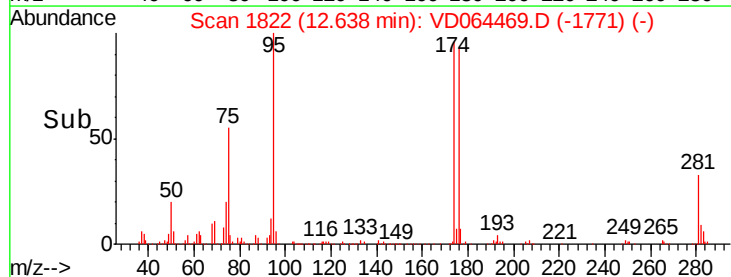
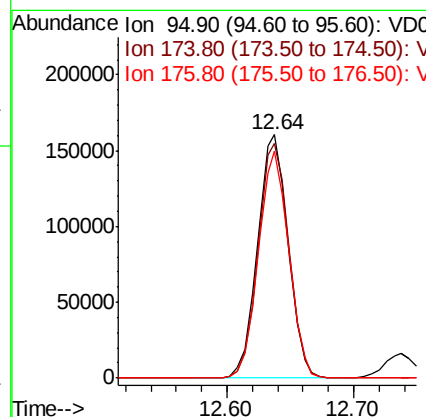
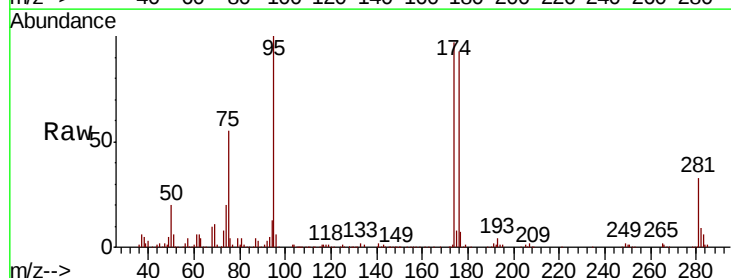
Instrument :
 MSVOA_D
 ClientSampleId :

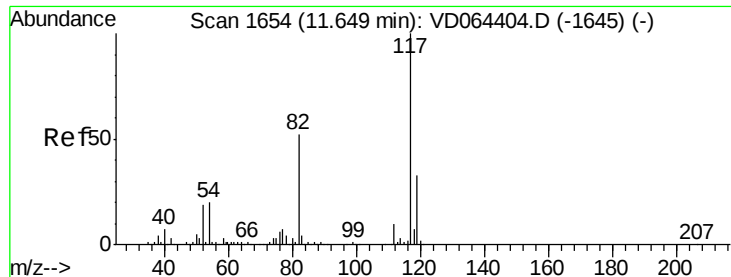
Tot Ion:107 Resp: 160479
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 48.971 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 95 Resp: 269201
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 197.2
 176 92.7 0.0 189.6

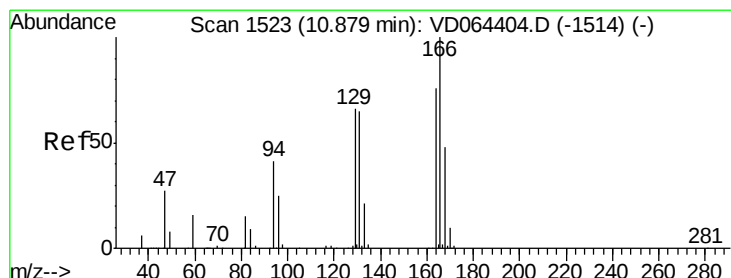
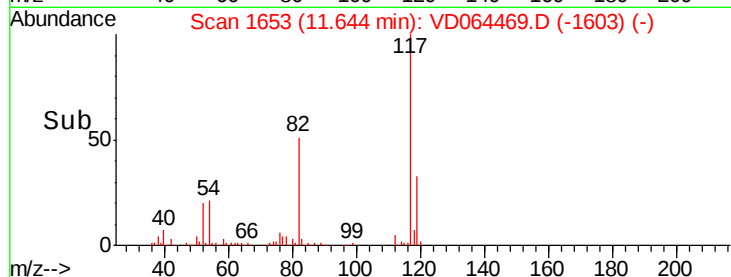
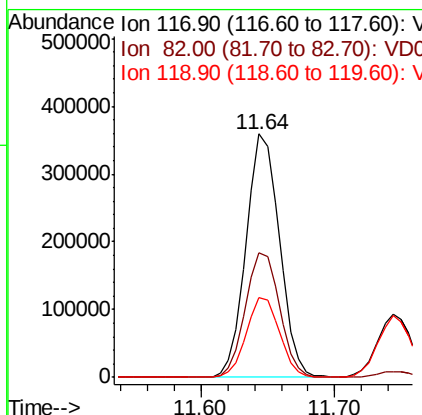
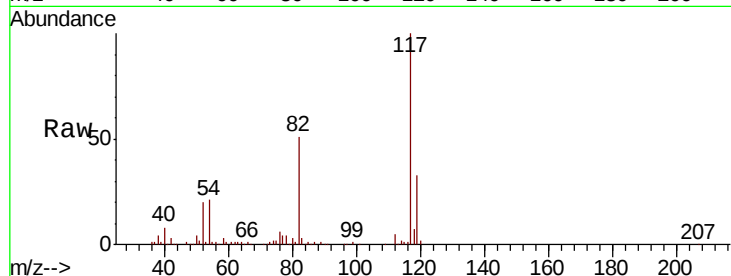




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

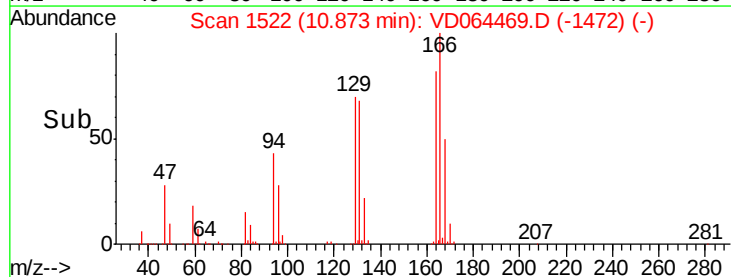
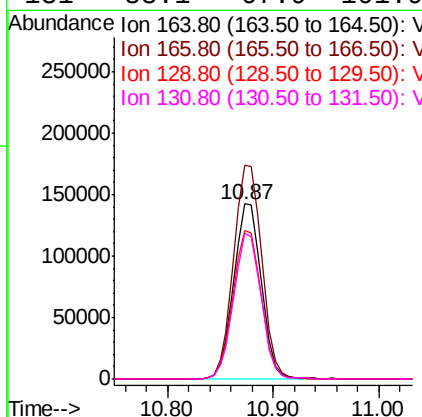
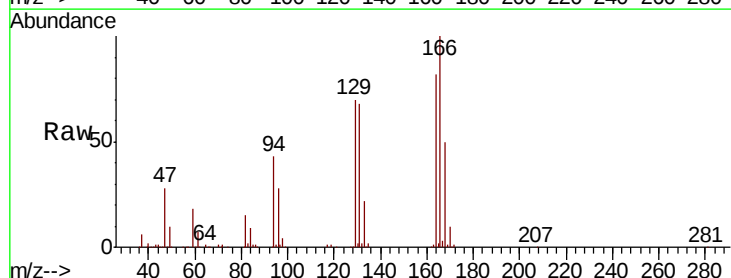
Instrument :
MSVOA_D
ClientSampled :

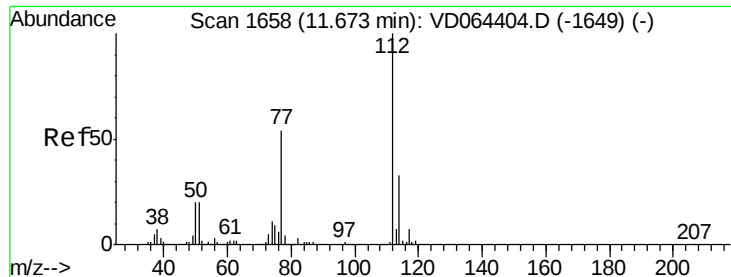
Tot Ion:117 Resp: 621073
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 54.370 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:164 Resp: 257506
Ion Ratio Lower Upper
164 100
166 122.1 104.8 157.2
129 85.3 68.7 103.1
131 83.1 67.9 101.9

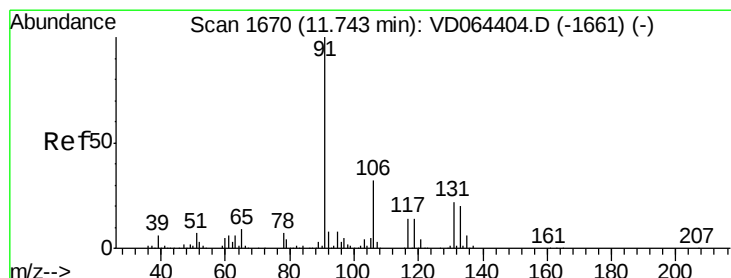
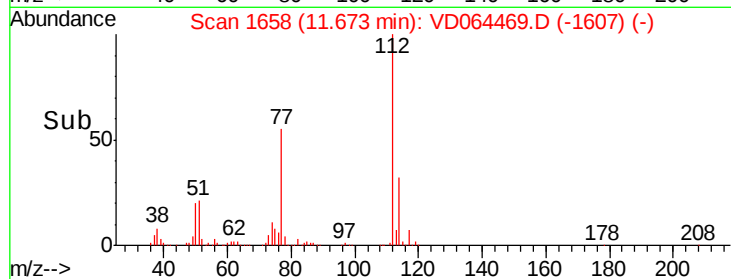
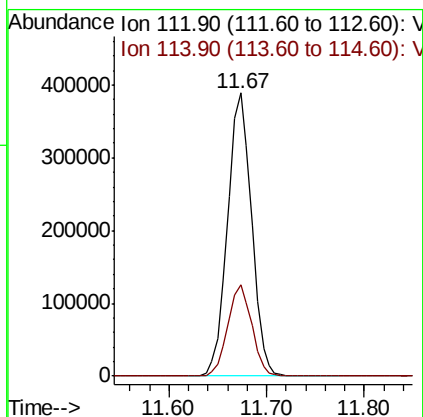
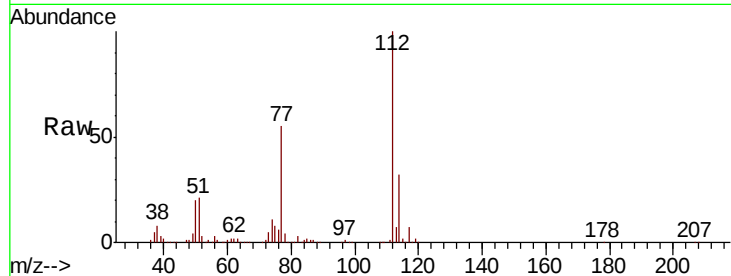




#65
Chlorobenzene
Concen: 51.463 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

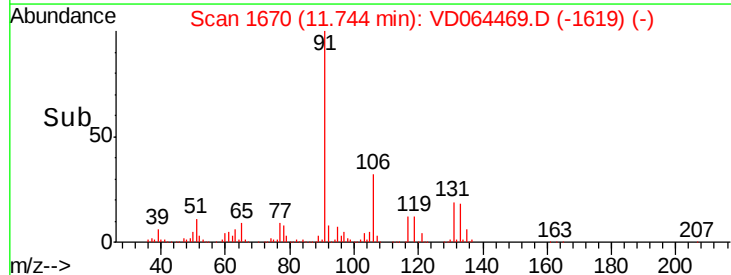
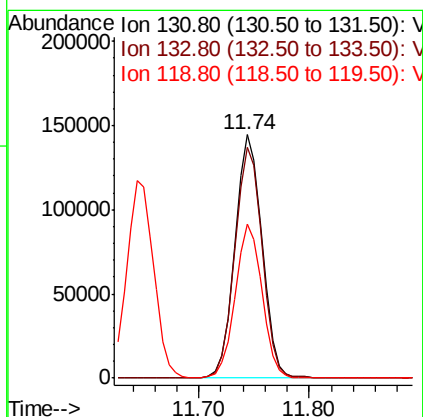
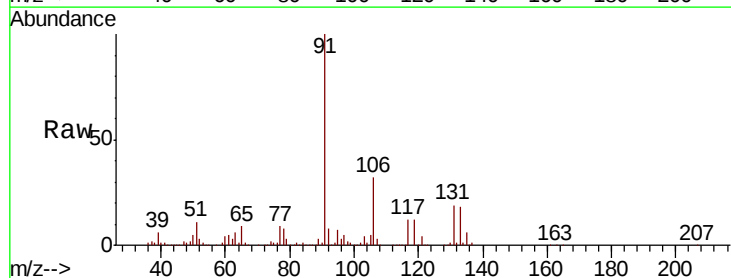
Instrument :
MSVOA_D
ClientSampled :

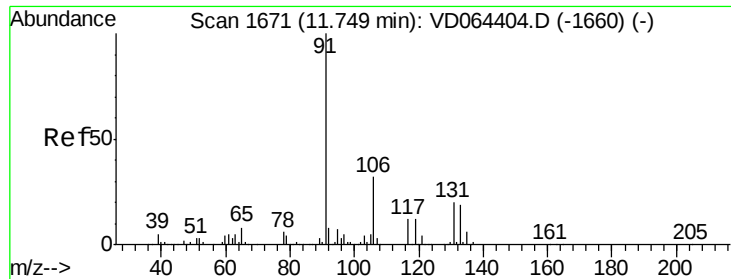
Tot Ion:112 Resp: 666633
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.076 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:131 Resp: 249718
Ion Ratio Lower Upper
131 100
133 95.7 48.3 144.9
119 62.8 31.9 95.9

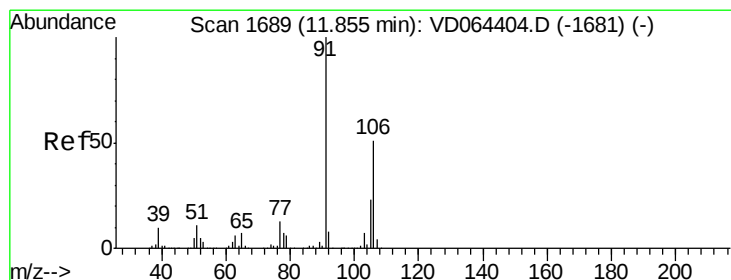
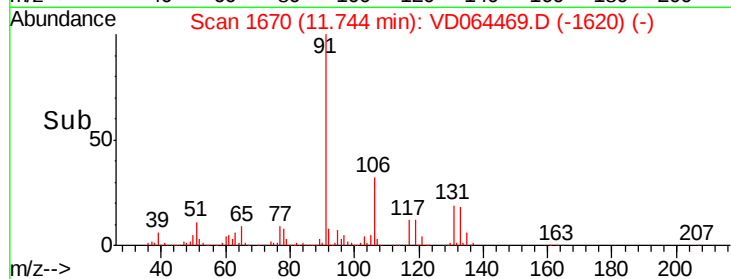
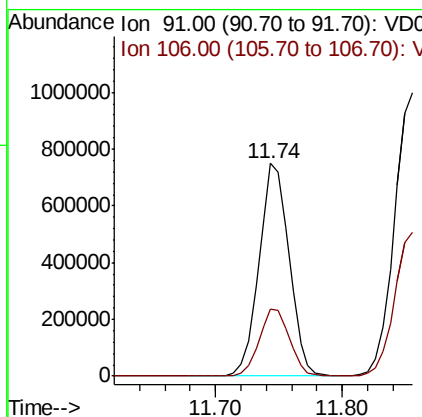
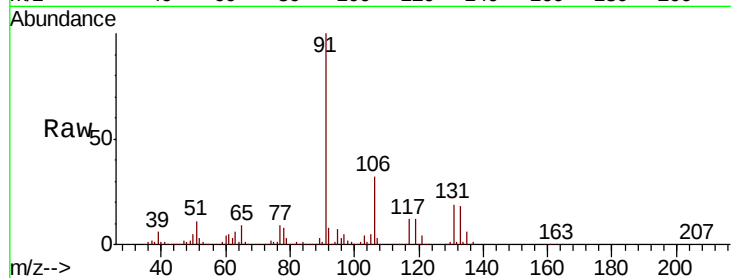




#67
Ethyl Benzene
Concen: 53.812 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

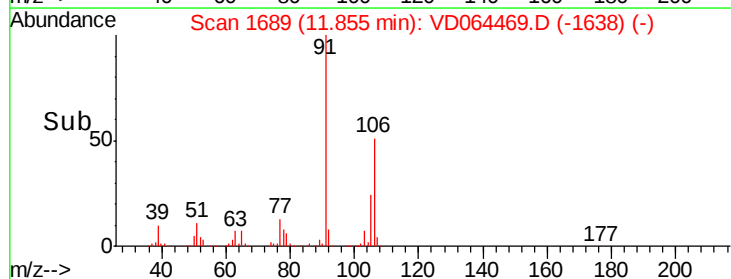
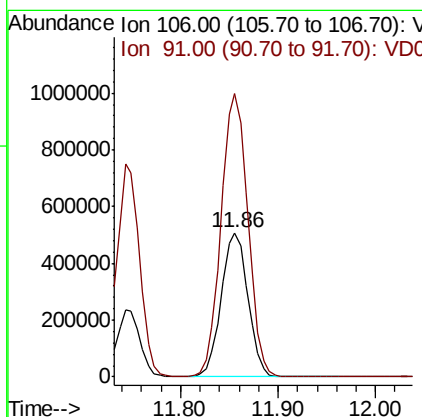
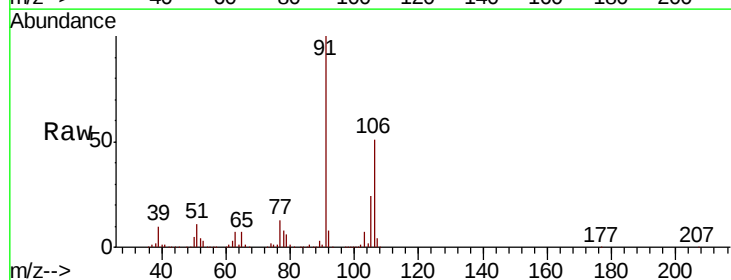
Instrument :
MSVOA_D
ClientSampleId :

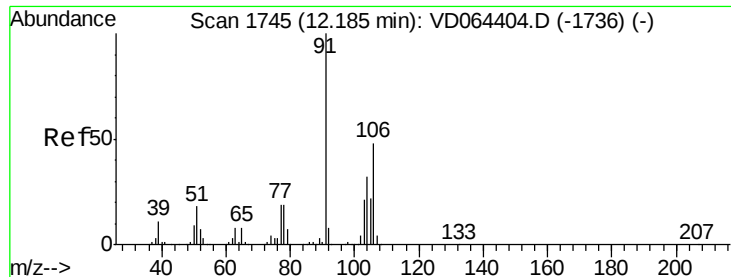
Tot Ion: 91 Resp: 1240213
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8



#68
m/p-Xylenes
Concen: 109.334 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:106 Resp: 960798
Ion Ratio Lower Upper
106 100
91 197.7 157.4 236.2

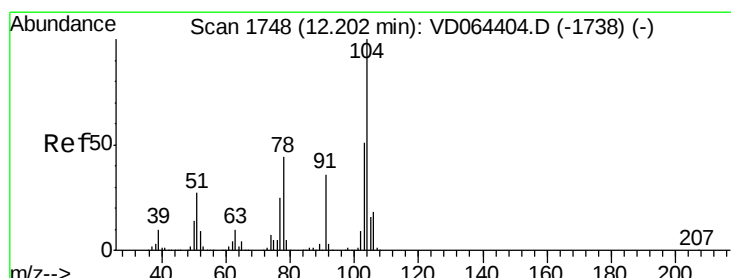
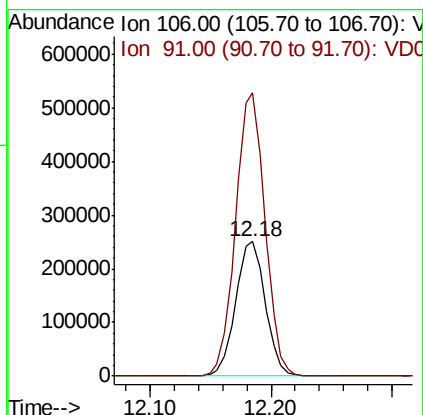
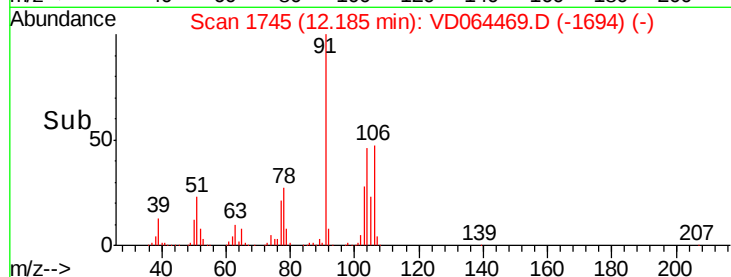
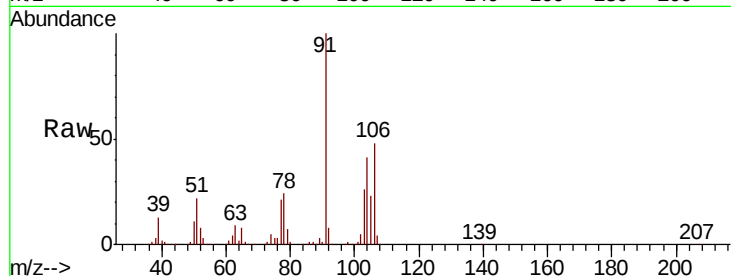




#69
o-Xylene
Concen: 52.969 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

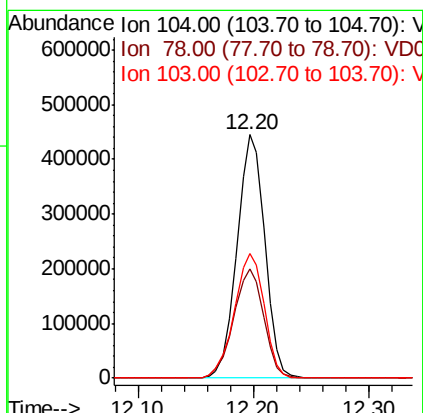
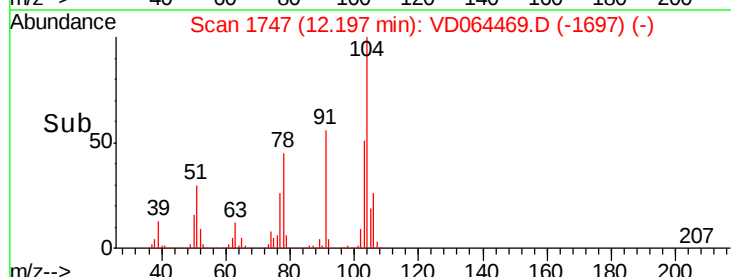
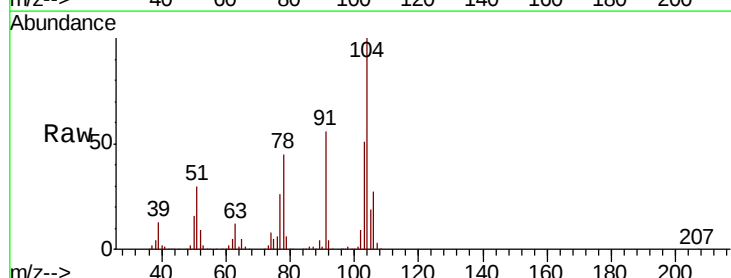
Instrument :
MSVOA_D
ClientSampleId :

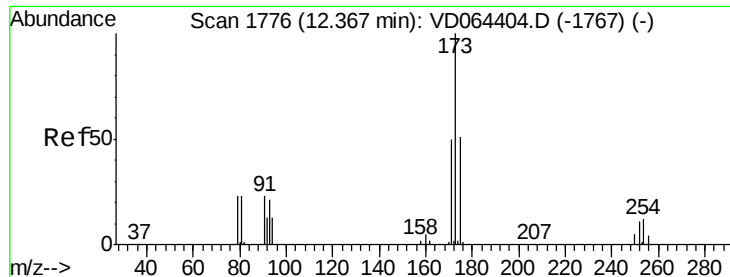
Tot Ion:106 Resp: 429892
Ion Ratio Lower Upper
106 100
91 208.2 103.8 311.4



#70
Styrene
Concen: 52.565 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:104 Resp: 741358
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 55.1 44.2 66.4





#71

Bromoform

Concen: 46.433 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampled :

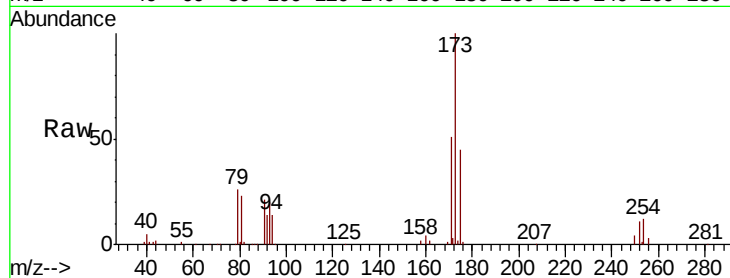
Tot Ion:173 Resp: 133213

Ion Ratio Lower Upper

173 100

175 49.1 25.3 75.8

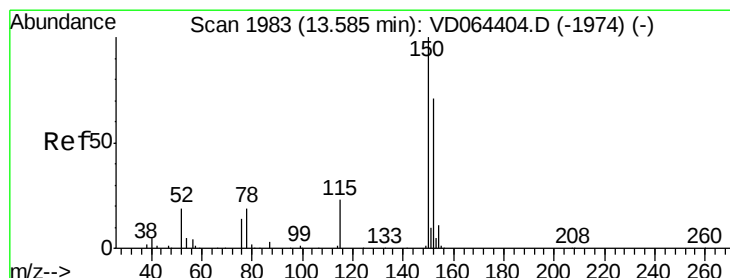
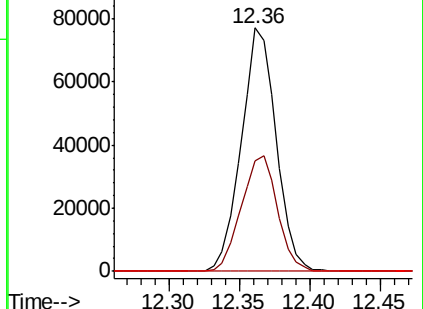
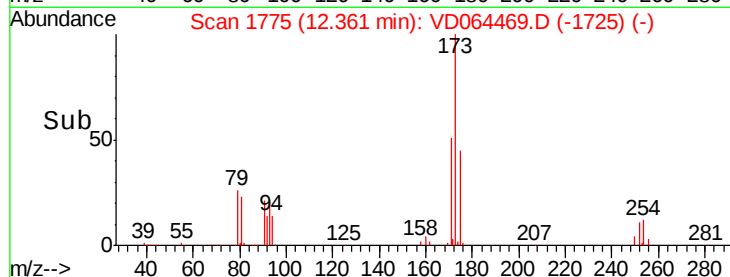
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

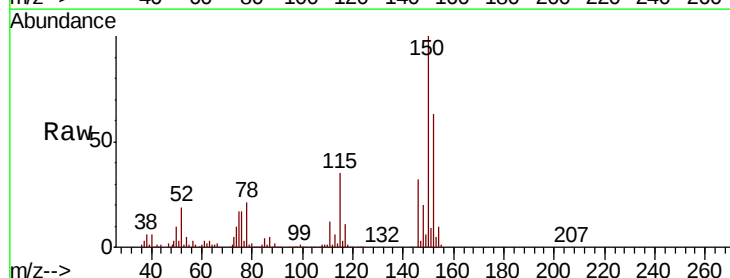
Tgt Ion:152 Resp: 300075

Ion Ratio Lower Upper

152 100

115 55.1 26.7 80.1

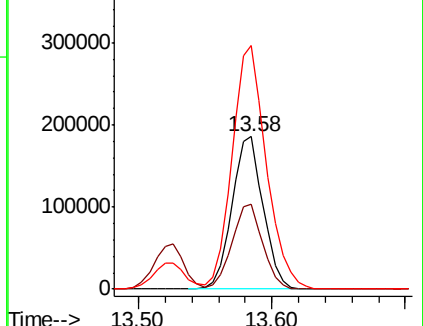
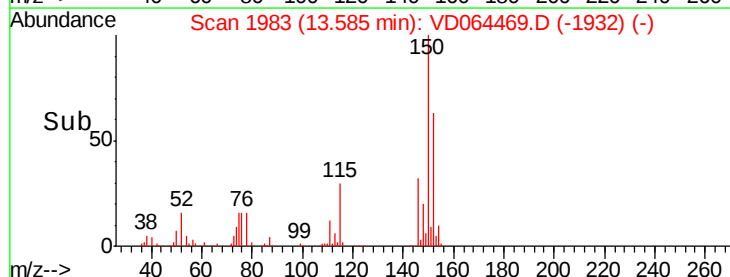
150 175.3 0.0 347.2

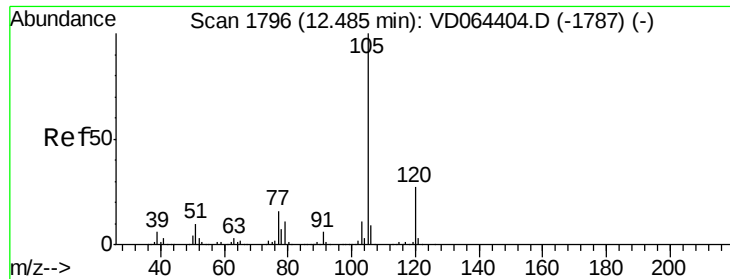


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.489 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

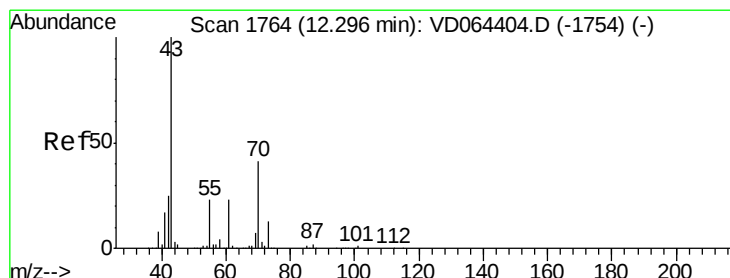
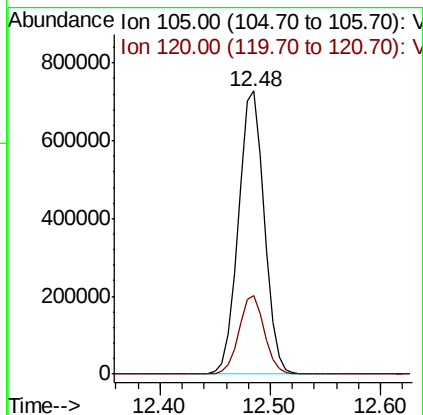
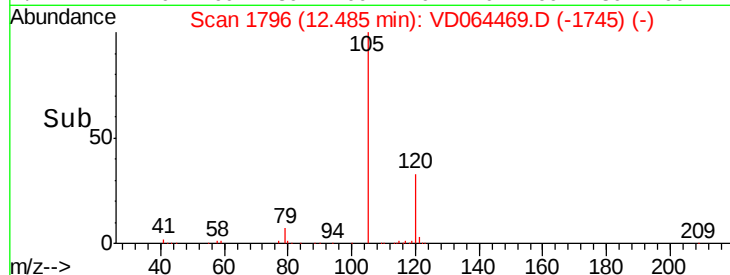
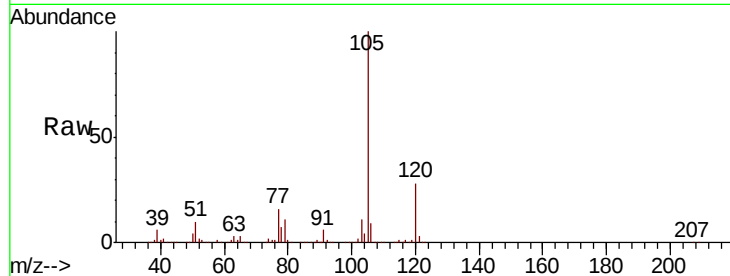
ClientSampled :

Tot Ion:105 Resp: 1197555

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#74

N-ethyl acetate

Concen: 46.951 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion: 43 Resp: 229977

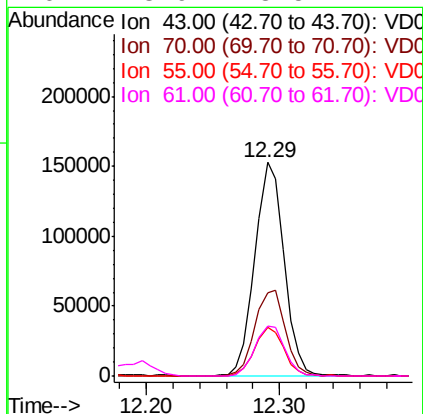
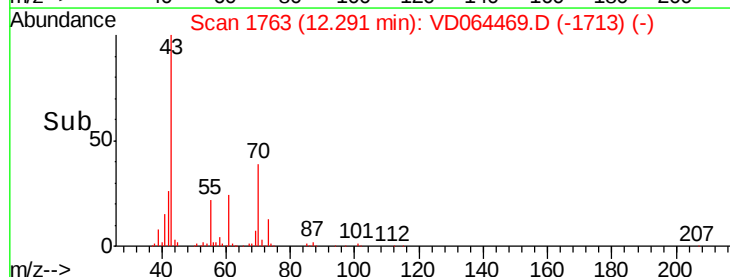
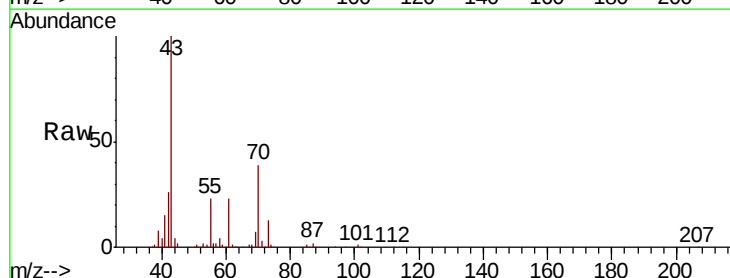
Ion Ratio Lower Upper

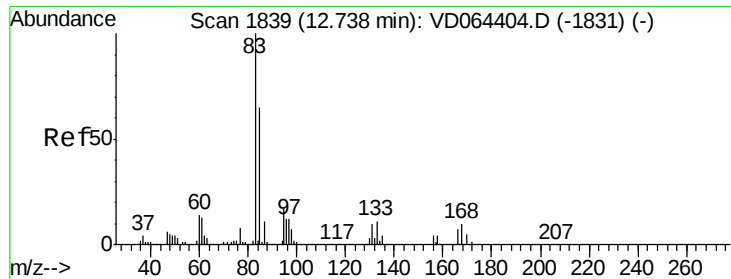
43 100

70 42.2 33.4 50.2

55 23.2 18.9 28.3

61 23.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.755 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampled :

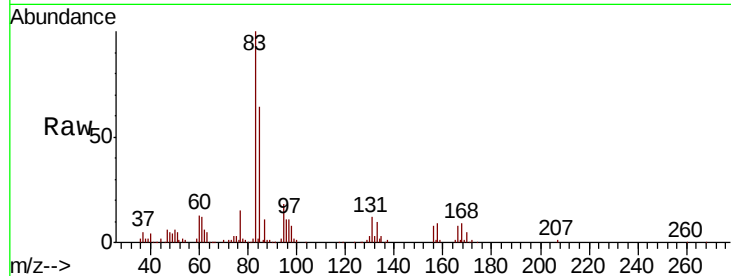
Tot Ion: 83 Resp: 163297

Ion Ratio Lower Upper

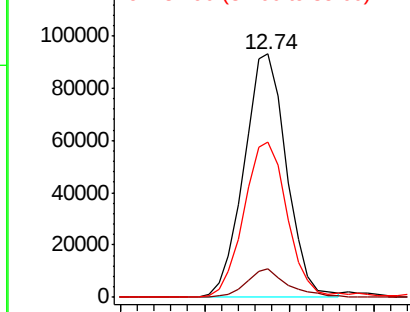
83 100

131 11.4 5.7 17.0

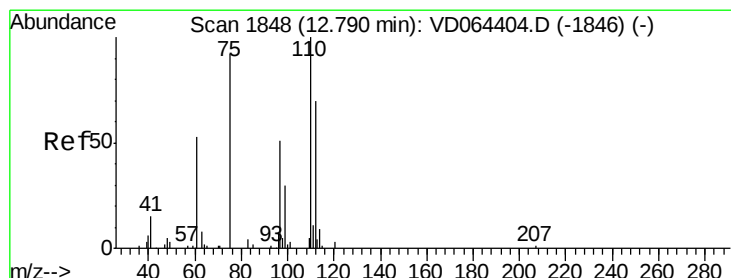
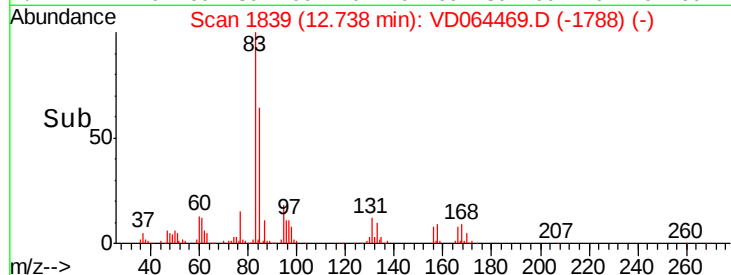
85 65.0 31.3 93.9



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



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 89.244 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064469.D

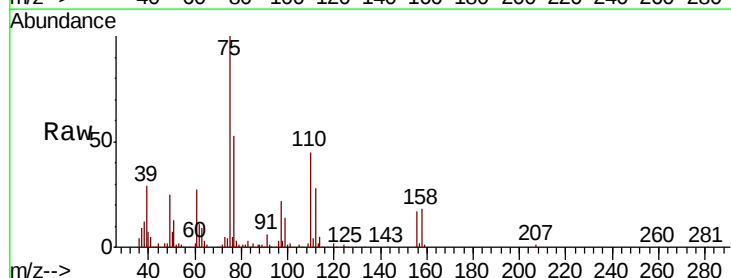
Acq: 09 Dec 2019 11:50

Tgt Ion: 75 Resp: 220228

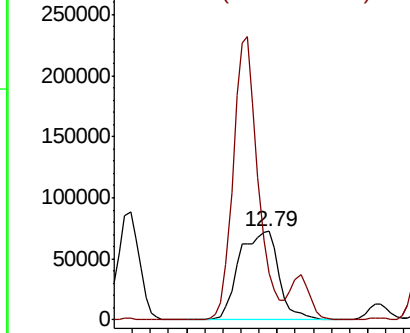
Ion Ratio Lower Upper

75 100

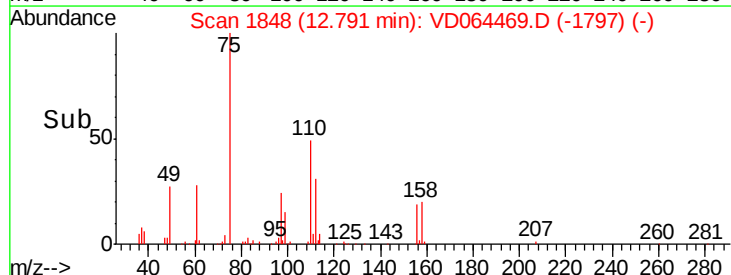
77 0.0 0.0 0.0

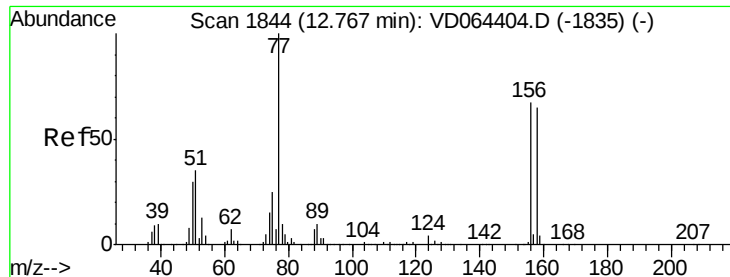


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.70 12.80 12.90





#77

Bromobenzene

Concen: 51.549 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

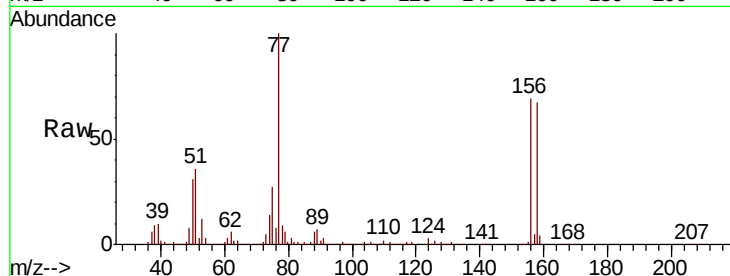
Tot Ion:156 Resp: 274734

Ion Ratio Lower Upper

156 100

77 160.8 80.0 240.2

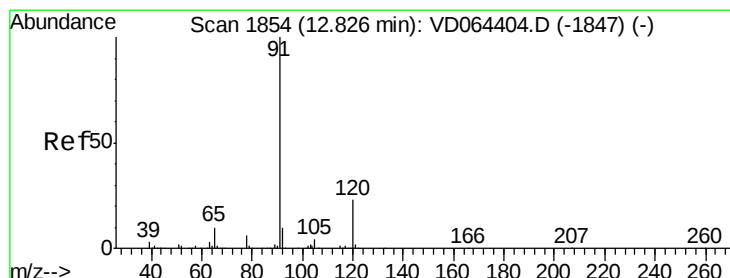
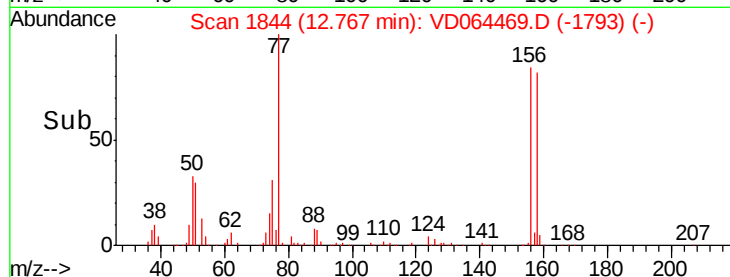
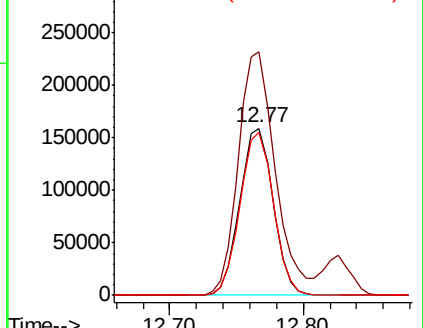
158 97.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.698 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064469.D

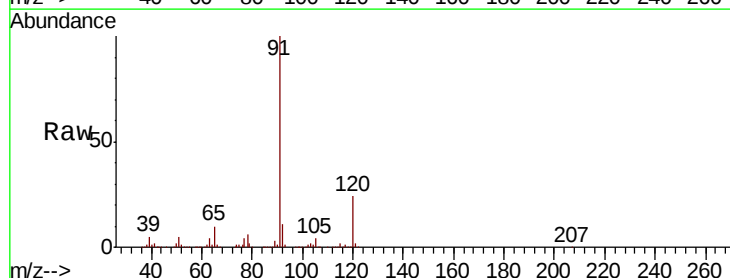
Acq: 09 Dec 2019 11:50

Tgt Ion: 91 Resp: 1386952

Ion Ratio Lower Upper

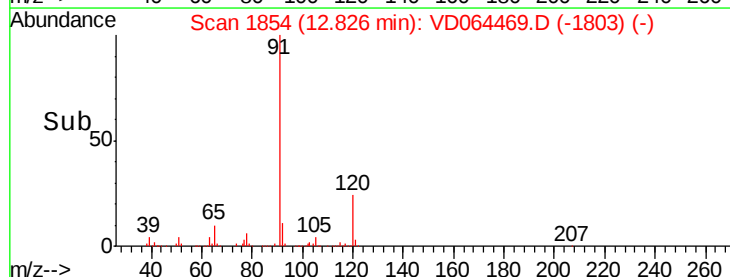
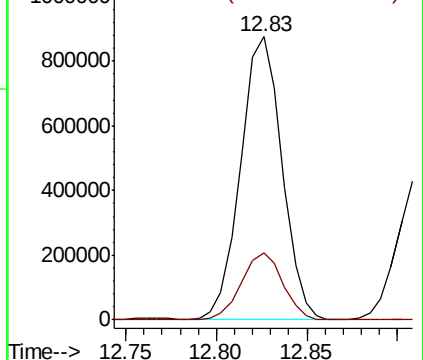
91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

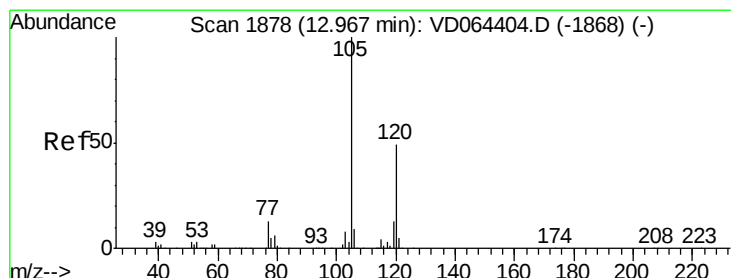
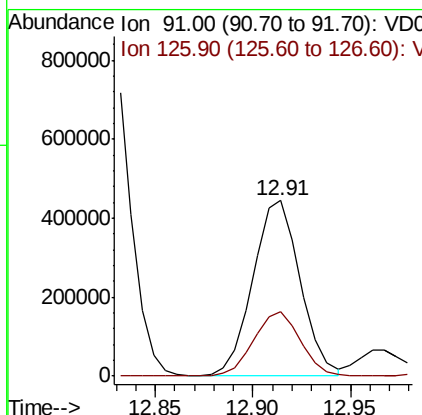
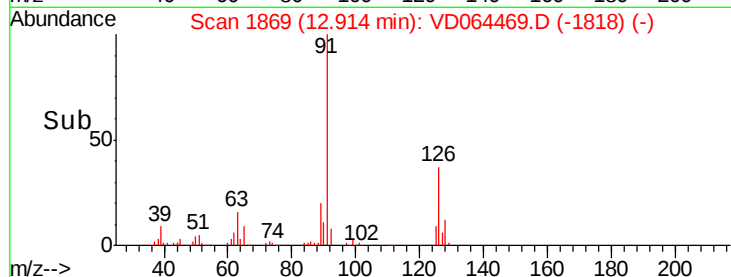
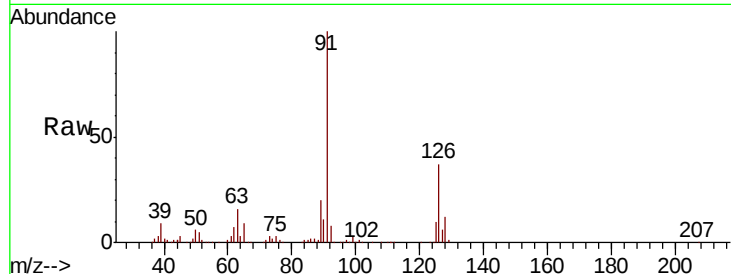




#79
2-Chlorotoluene
Concen: 54.416 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

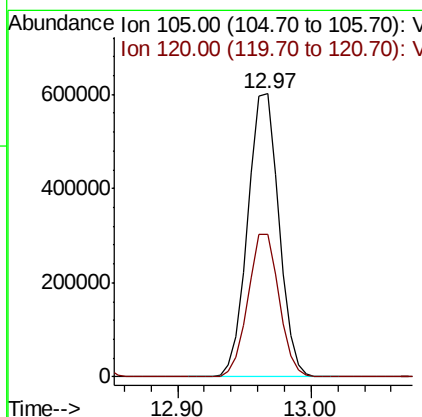
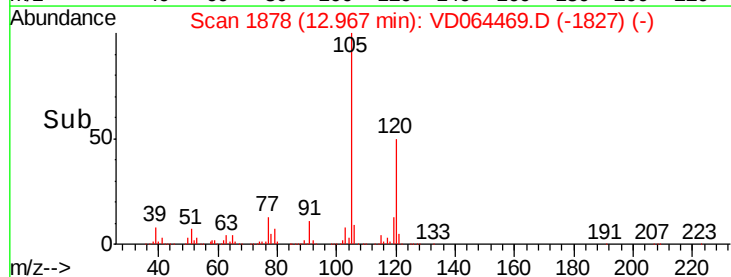
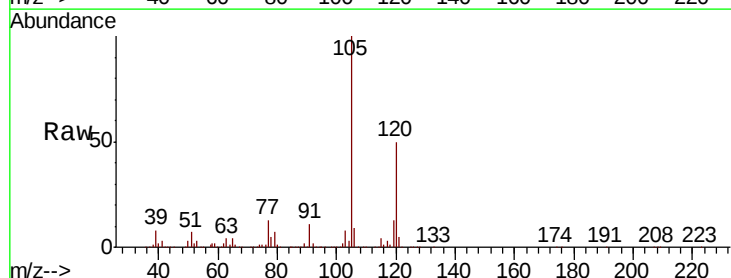
Instrument :
MSVOA_D
ClientSampled :

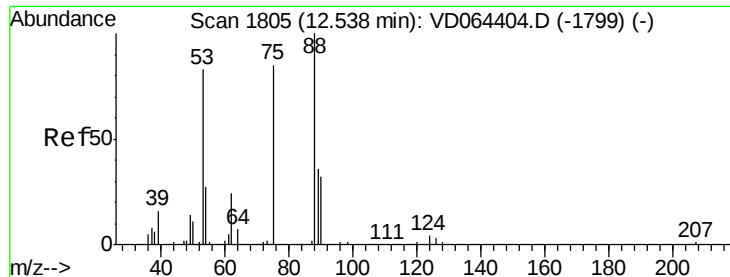
Tot Ion: 91 Resp: 745601
Ion Ratio Lower Upper
91 100
126 36.2 18.0 54.0



#80
1,3,5-Trimethylbenzene
Concen: 54.791 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 105 Resp: 966326
Ion Ratio Lower Upper
105 100
120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.702 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

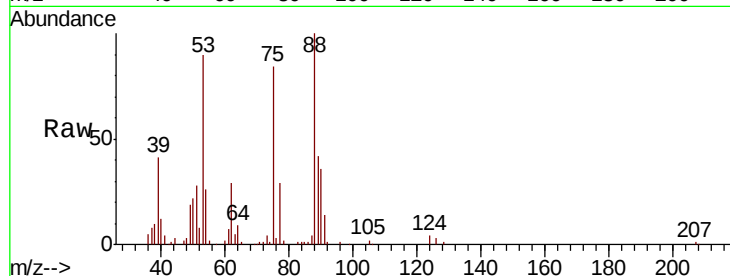
Tot Ion: 75 Resp: 55116

Ion Ratio Lower Upper

75 100

53 99.0 81.0 121.6

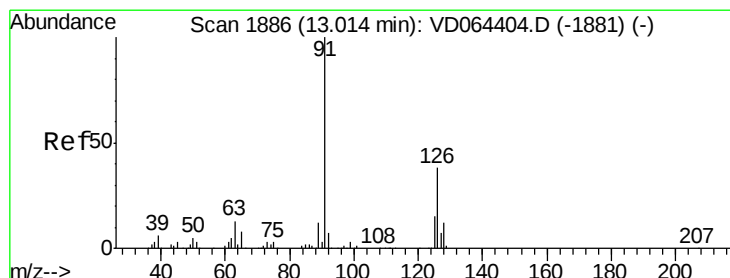
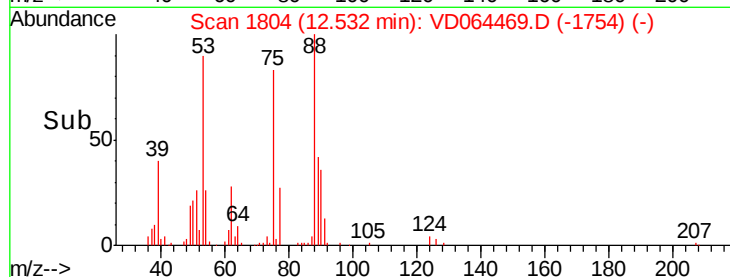
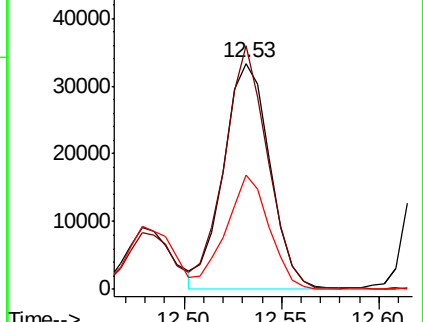
89 47.1 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.292 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064469.D

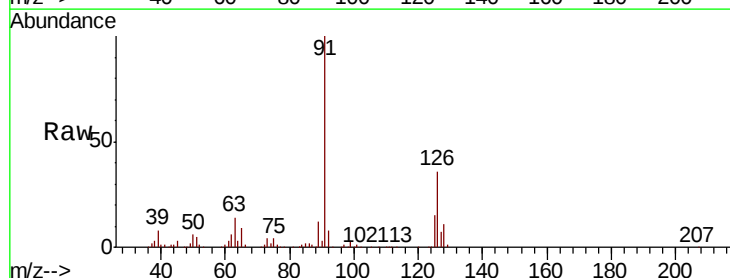
Acq: 09 Dec 2019 11:50

Tgt Ion: 91 Resp: 787622

Ion Ratio Lower Upper

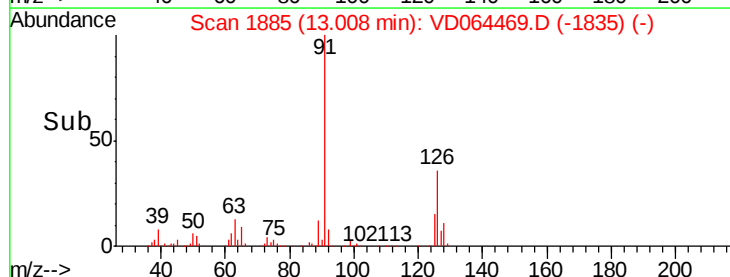
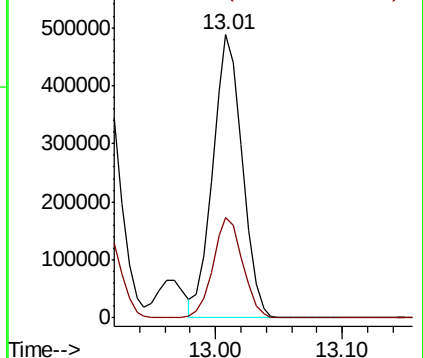
91 100

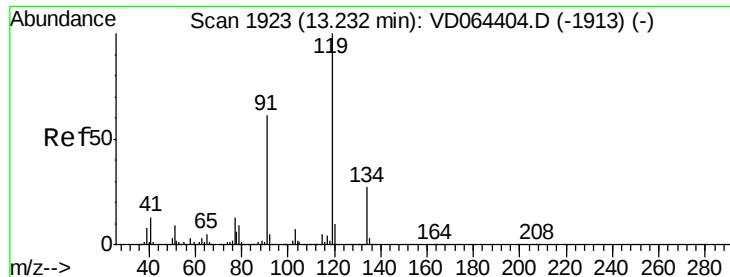
126 35.6 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

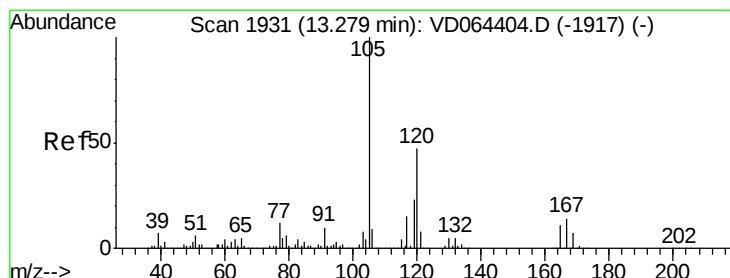
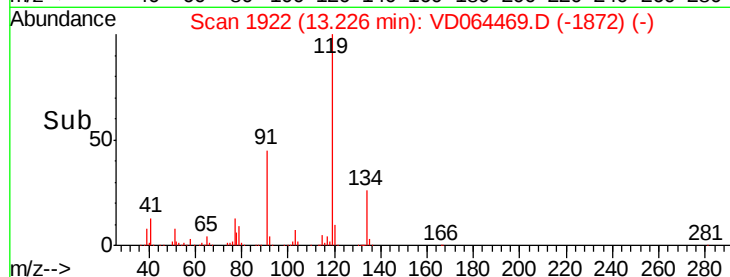
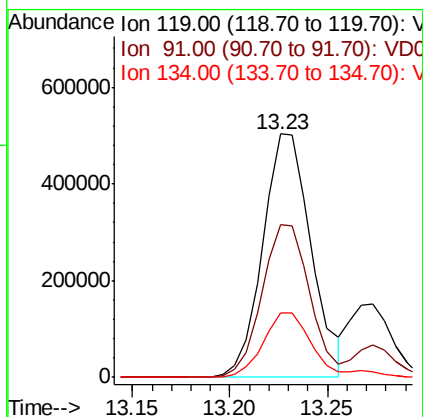
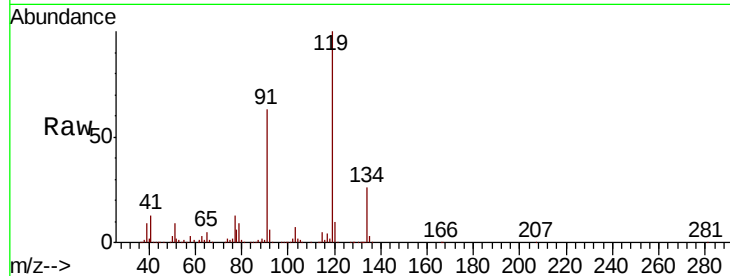




#83
 tert-Butylbenzene
 Concen: 56.580 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

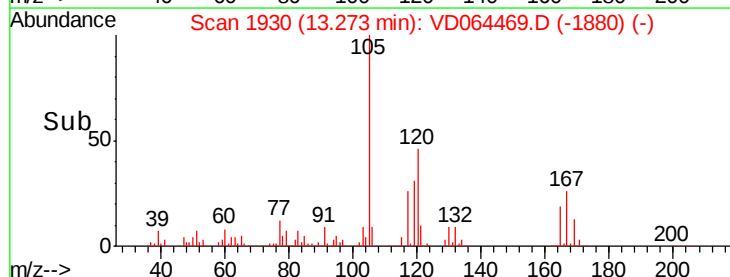
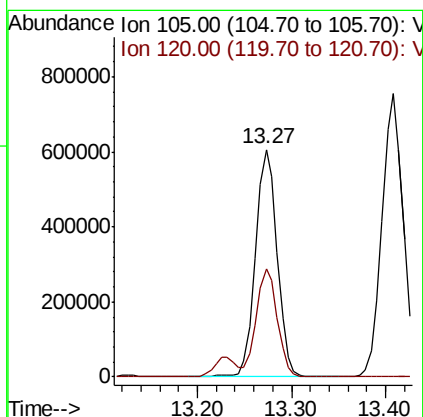
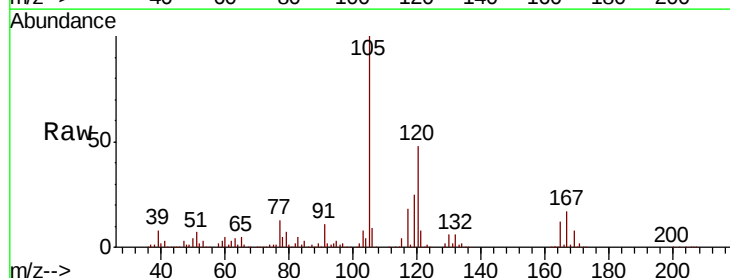
Instrument :
 MSVOA_D
 ClientSampleId :

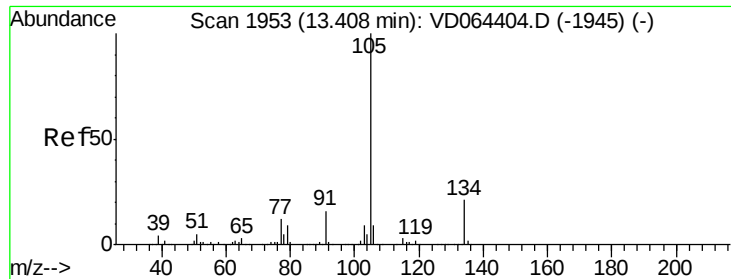
Tot Ion:119 Resp: 867521
 Ion Ratio Lower Upper
 119 100
 91 61.6 31.2 93.6
 134 27.6 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 54.384 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion:105 Resp: 964455
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.6 70.8





#85

sec-Butylbenzene

Concen: 55.749 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

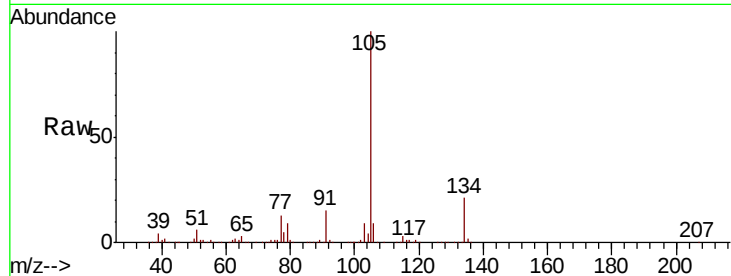
ClientSampled :

Tot Ion:105 Resp: 1173167

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

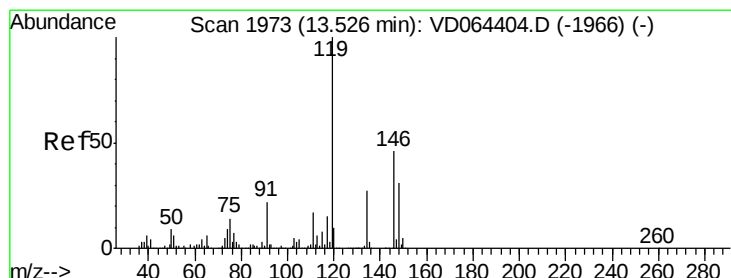
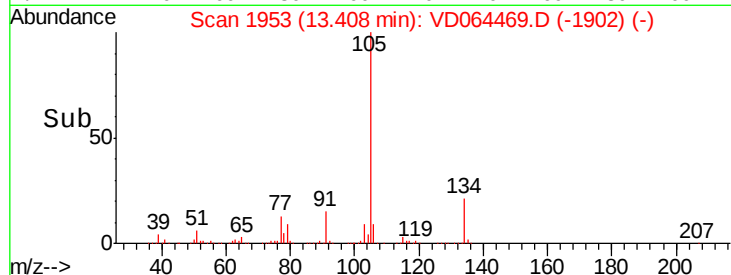
0

13.30

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 56.086 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

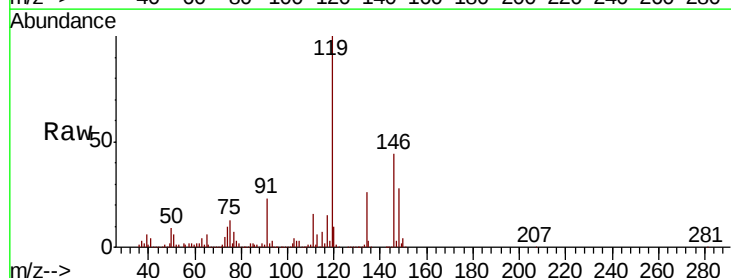
Tgt Ion:119 Resp: 1114280

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

200000

0

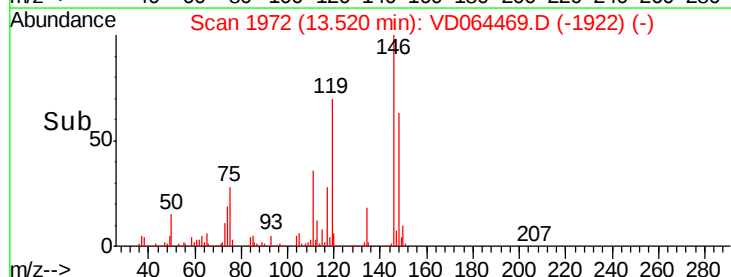
13.45

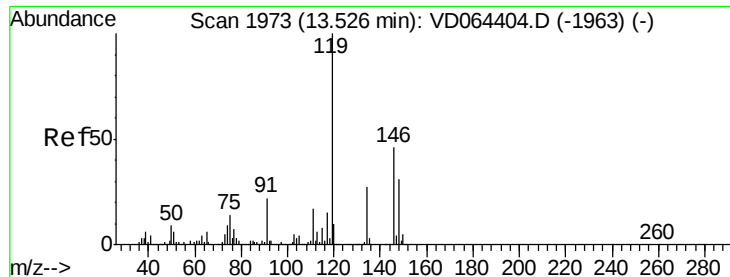
13.50

13.55

13.60

Time-->

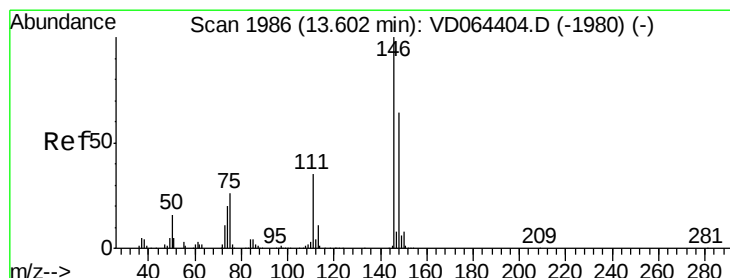
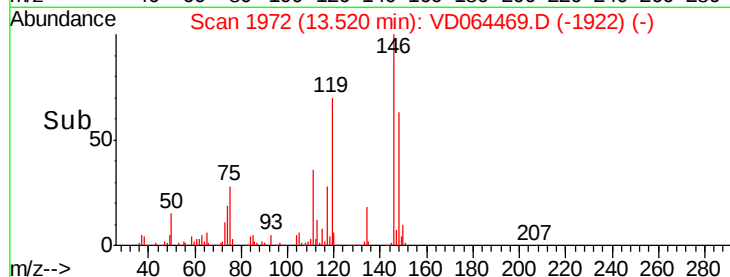
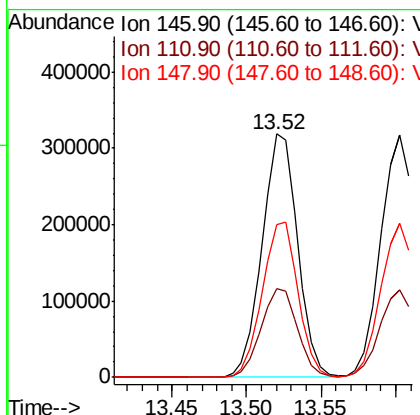
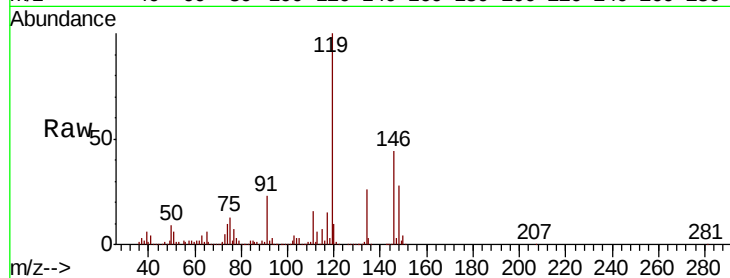




#87
 1,3-Dichlorobenzene
 Concen: 52.078 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

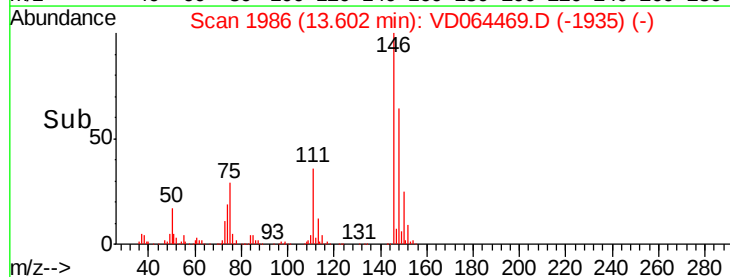
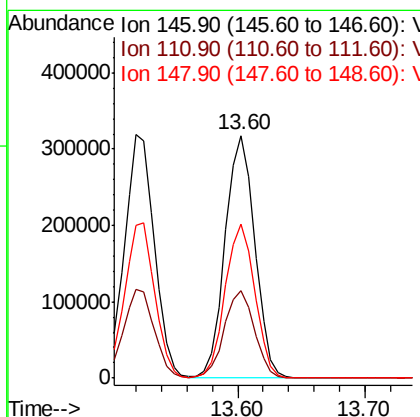
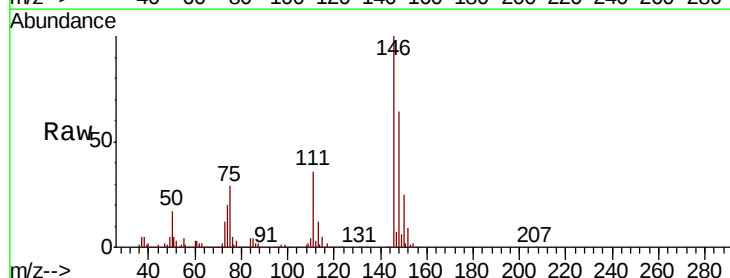
Instrument :
 MSVOA_D
 ClientSampleId :

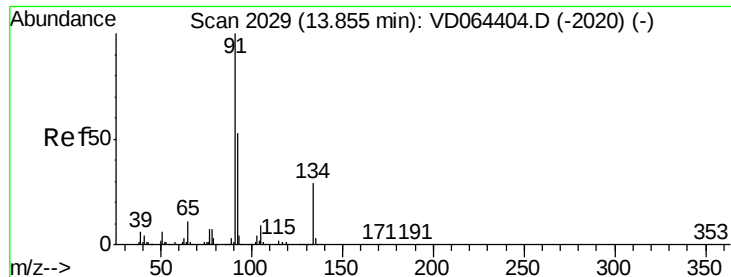
Tot Ion:146 Resp: 526783
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 64.0 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 51.509 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion:146 Resp: 514406
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 63.5 31.8 95.4

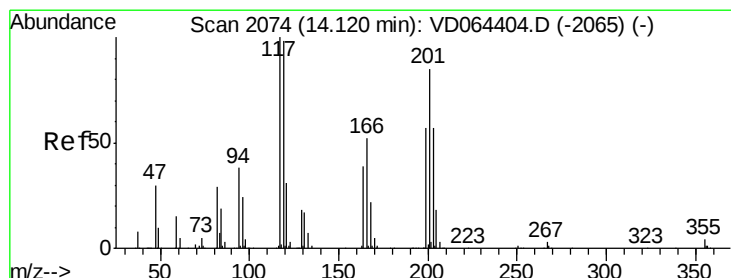
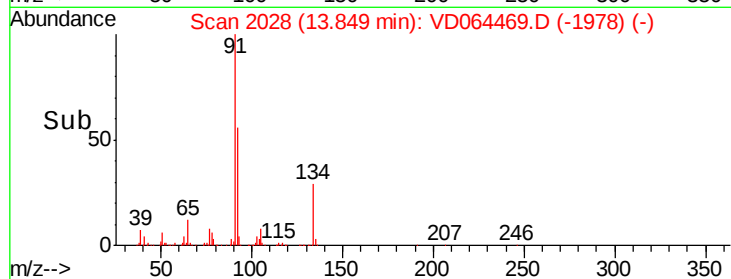
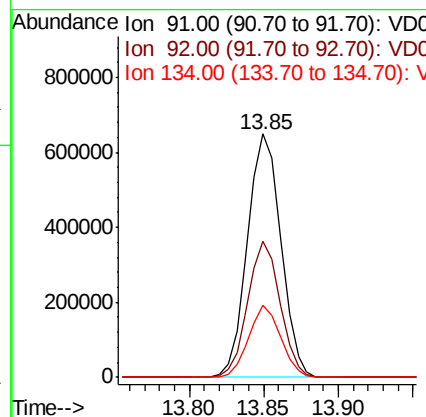
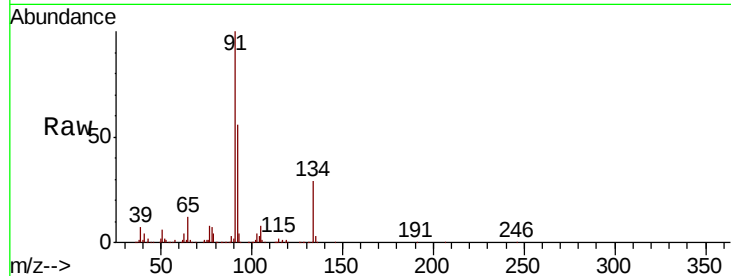




#89
n-Butylbenzene
Concen: 55.720 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

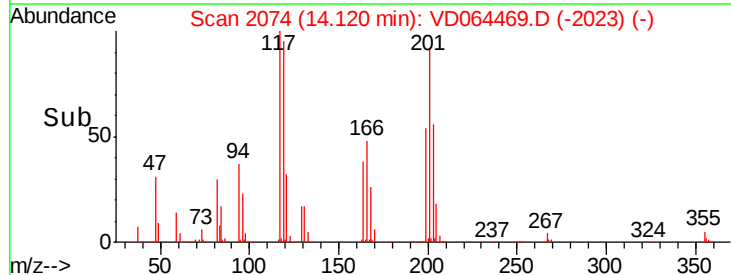
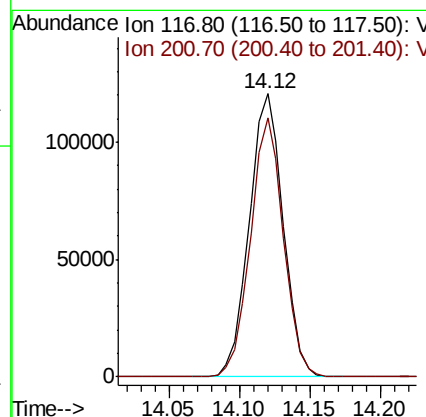
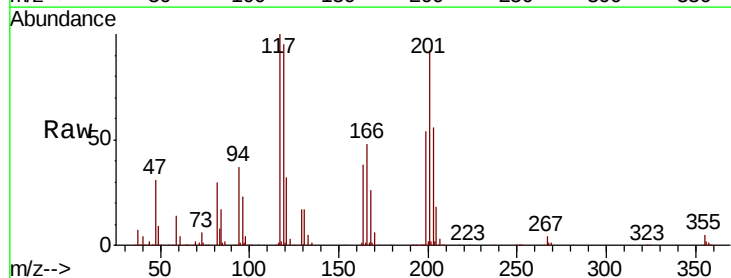
Instrument :
MSVOA_D
ClientSampleId :

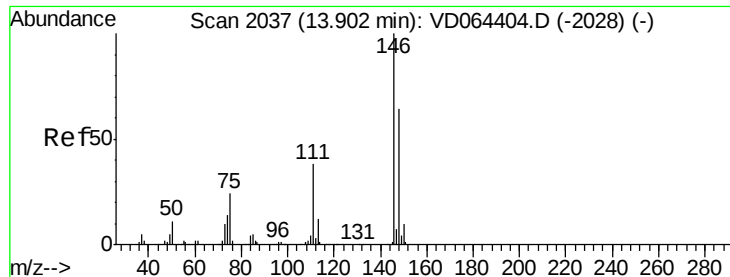
Tot Ion: 91 Resp: 1005289
Ion Ratio Lower Upper
91 100
92 53.9 26.5 79.4
134 28.1 13.9 41.7



#90
Hexachloroethane
Concen: 54.780 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 117 Resp: 203560
Ion Ratio Lower Upper
117 100
201 88.9 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 50.819 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

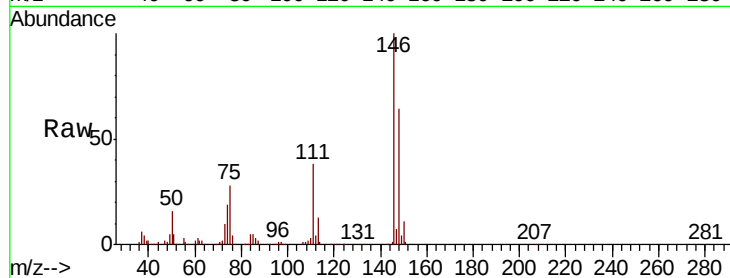
Tot Ion:146 Resp: 439320

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

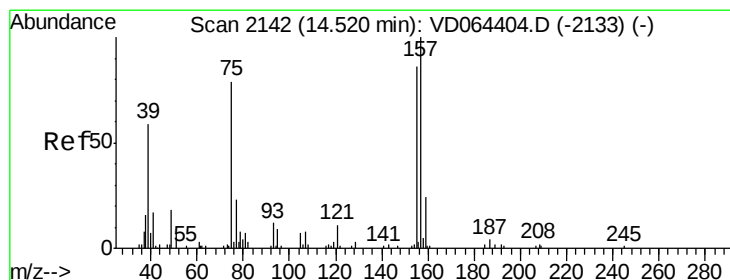
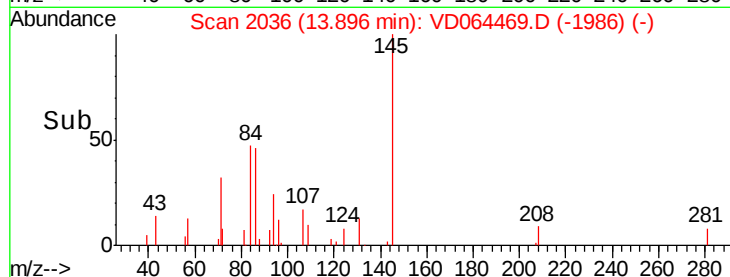
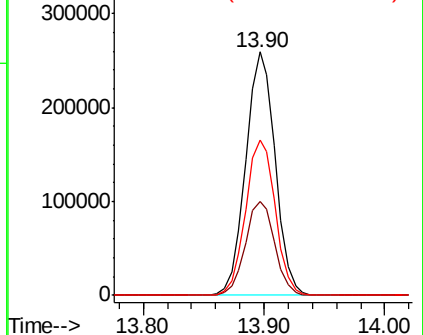
148 64.4 32.0 96.0



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: 46.005 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

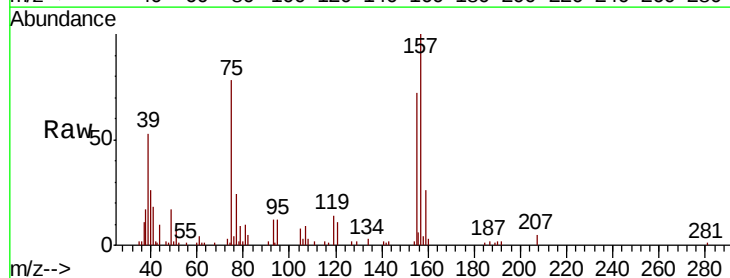
Tgt Ion: 75 Resp: 24720

Ion Ratio Lower Upper

75 100

155 100.3 51.9 155.7

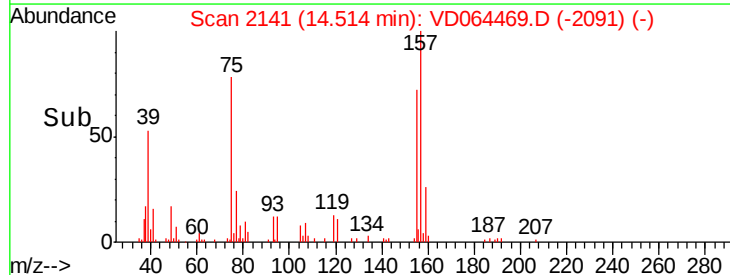
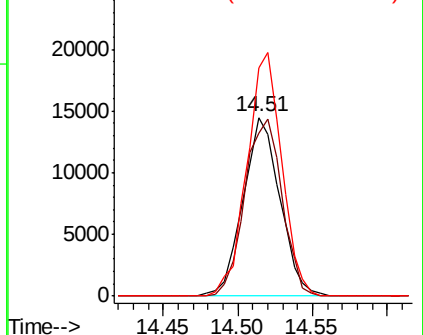
157 128.2 63.2 189.8

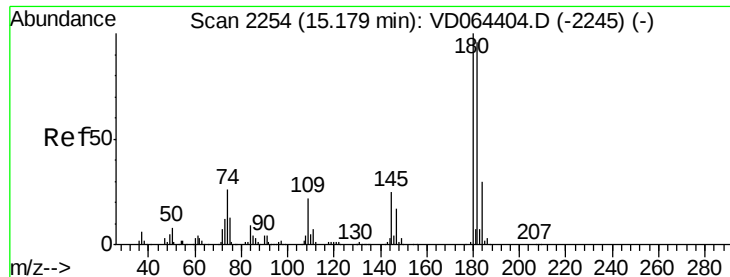


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

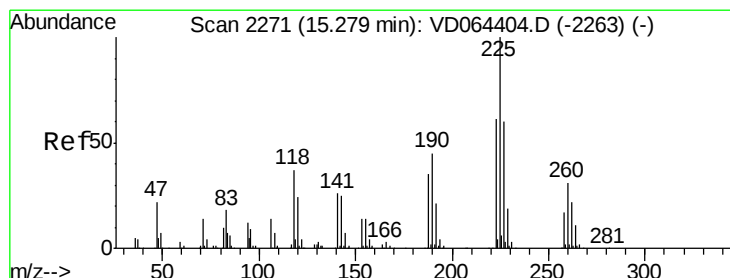
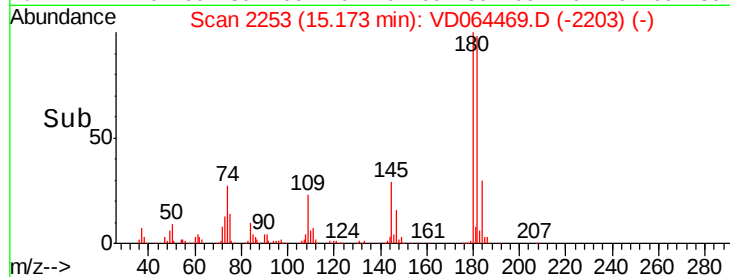
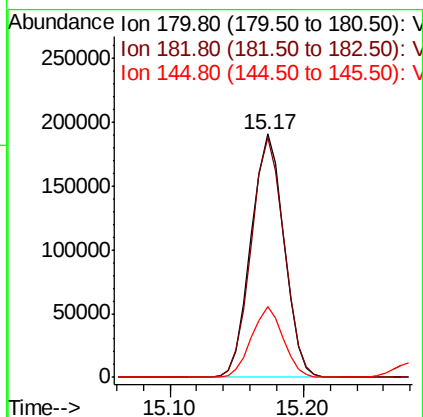
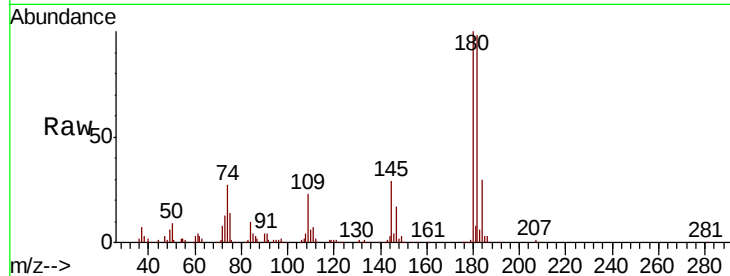




#93
 1,2,4-Trichlorobenzene
 Concen: 49.158 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

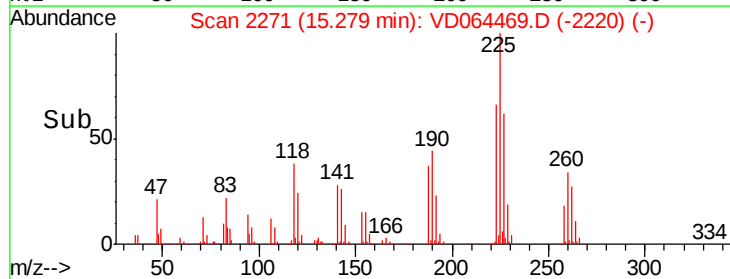
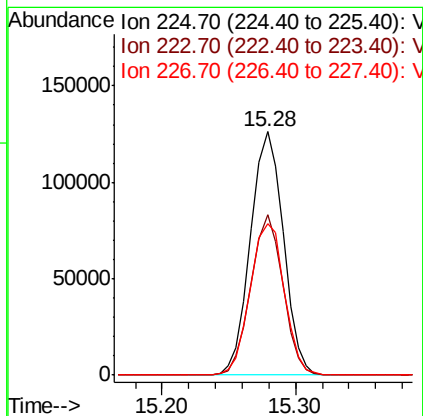
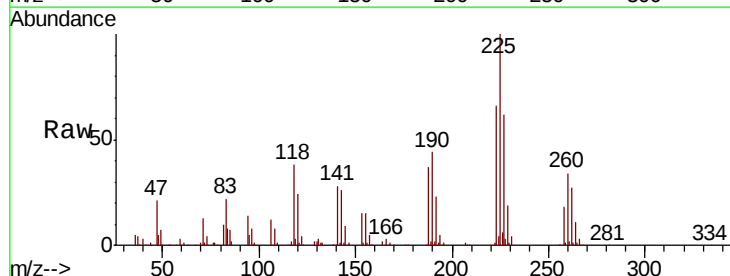
Instrument :
 MSVOA_D
 ClientSampleId :

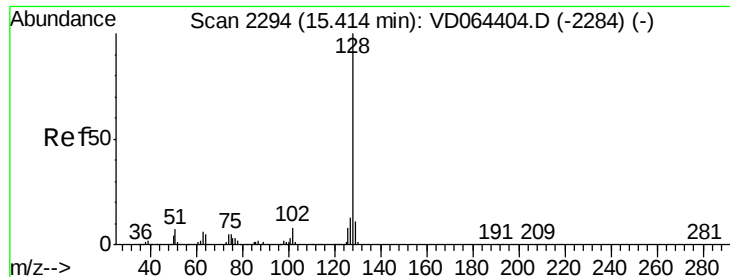
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.3
145	27.8	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 52.644 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	64.5	31.8	95.4

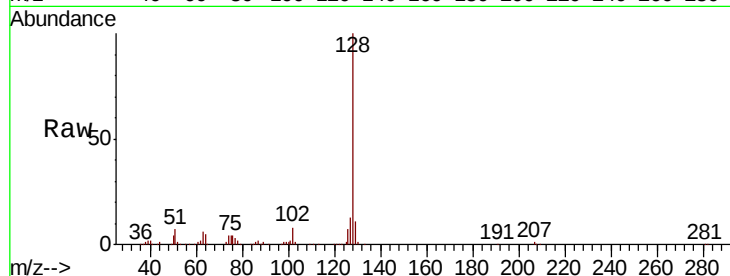




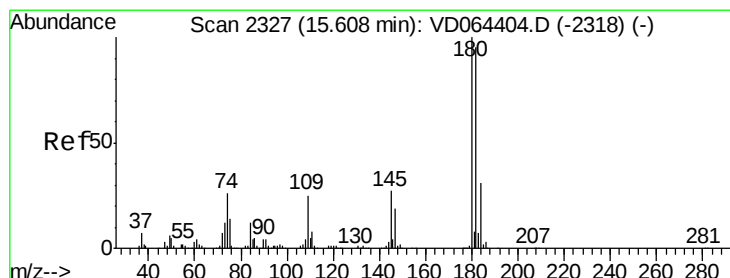
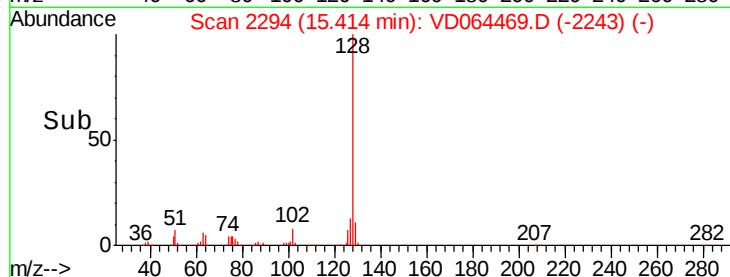
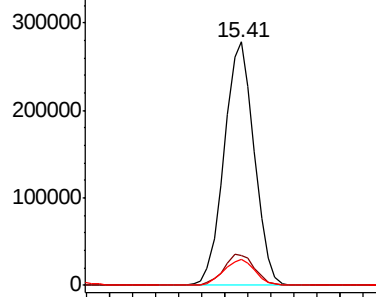
#95
Naphthalene
Concen: 45.650 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 504380
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.1 8.8 13.2

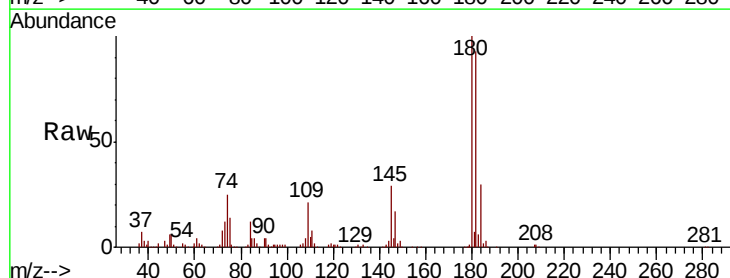


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.116 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:180 Resp: 277572
Ion Ratio Lower Upper
180 100
182 95.0 47.6 142.9
145 29.4 14.6 43.8



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

