

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064589.D
 Acq On : 26 Dec 2019 10:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 27 01:36:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	492540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	696963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296605	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	202657	46.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.32%	
35) Dibromofluoromethane	7.92	113	205577	48.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.16%	
50) Toluene-d8	10.34	98	808230	49.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	251496	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	188846	49.336	ug/l	98
3) Chloromethane	2.21	50	261648	48.876	ug/l	98
4) Vinyl Chloride	2.35	62	314866	48.239	ug/l	95
5) Bromomethane	2.77	94	213276	44.939	ug/l	98
6) Chloroethane	2.92	64	207076	47.347	ug/l	96
7) Trichlorofluoromethane	3.27	101	525492	47.814	ug/l	99
8) Diethyl Ether	3.70	74	101190	46.366	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	223293	49.059	ug/l	98
10) Methyl Iodide	4.29	142	254644	52.084	ug/l	99
11) Tert butyl alcohol	5.25	59	62189	249.847	ug/l	96
12) 1,1-Dichloroethene	4.06	96	217639	50.225	ug/l	99
13) Acrolein	3.93	56	83598	240.992	ug/l	97
14) Allyl chloride	4.71	41	343941	50.908	ug/l	98
15) Acrylonitrile	5.43	53	208559	229.423	ug/l	98
16) Acetone	4.16	43	265668	296.532	ug/l	98
17) Carbon Disulfide	4.40	76	691274	49.336	ug/l	99
18) Methyl Acetate	4.73	43	106425	43.525	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	462569	48.060	ug/l	96
20) Methylene Chloride	4.96	84	220972	49.720	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	246909	50.033	ug/l	98
22) Diisopropyl ether	6.37	45	662967	49.197	ug/l	99
23) Vinyl Acetate	6.31	43	1901166	248.705	ug/l	100
24) 1,1-Dichloroethane	6.26	63	405980	50.183	ug/l	97
25) 2-Butanone	7.22	43	303553	254.268	ug/l	99
26) 2,2-Dichloropropane	7.21	77	381630	50.738	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	262790	49.341	ug/l	98
28) Bromochloromethane	7.55	49	155655	49.496	ug/l	98
29) Tetrahydrofuran	7.57	42	172390	232.202	ug/l	99
30) Chloroform	7.71	83	410181	48.327	ug/l	98
31) Cyclohexane	7.98	56	390318	48.199	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	400293	50.211	ug/l	100
36) 1,1-Dichloropropene	8.11	75	335670	50.038	ug/l	98
37) Ethyl Acetate	7.30	43	129150	49.007	ug/l	100
38) Carbon Tetrachloride	8.10	117	375143	52.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	423021	52.065	ug/l	97
40) Benzene	8.35	78	923800	50.446	ug/l	98
41) Methacrylonitrile	7.53	41	74929	49.004	ug/l	94
42) 1,2-Dichloroethane	8.43	62	260597	49.244	ug/l	99
43) Isopropyl Acetate	8.46	43	248997	47.469	ug/l	99
44) Trichloroethene	9.11	130	270309	50.246	ug/l	94
45) 1,2-Dichloropropane	9.38	63	219964	50.307	ug/l	98
46) Dibromomethane	9.47	93	118634	48.665	ug/l	98
47) Bromodichloromethane	9.66	83	321471	49.557	ug/l	100
48) Methyl methacrylate	9.46	41	117308	47.496	ug/l	92
49) 1,4-Dioxane	9.46	88	27064	962.817	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	610295	235.389	ug/l	99
52) Toluene	10.40	92	604973	50.353	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	302957	50.094	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	360749	50.587	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	160736	48.926	ug/l	97
56) Ethyl methacrylate	10.66	69	200577	48.886	ug/l	99
57) 1,3-Dichloropropane	10.95	76	271833	48.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	351551	224.894	ug/l	98
59) 2-Hexanone	10.98	43	461862	262.463	ug/l	99
60) Dibromochloromethane	11.14	129	218738	48.147	ug/l	100
61) 1,2-Dibromoethane	11.25	107	159376	49.185	ug/l	97
64) Tetrachloroethene	10.88	164	234345	49.913	ug/l	97
65) Chlorobenzene	11.67	112	622462	49.006	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	237564	49.613	ug/l	100
67) Ethyl Benzene	11.74	91	1163430	50.465	ug/l	100
68) m/p-Xylenes	11.86	106	897173	100.823	ug/l	98
69) o-Xylene	12.18	106	402442	50.070	ug/l	98
70) Styrene	12.20	104	710616	50.369	ug/l	98
71) Bromoform	12.37	173	130747	47.881	ug/l #	99
73) Isopropylbenzene	12.48	105	1117155	52.706	ug/l	100
74) N-amyl acetate	12.29	43	231205	51.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163010	48.956	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	220332	94.071	ug/l #	100
77) Bromobenzene	12.77	156	261528	50.215	ug/l	98
78) n-propylbenzene	12.83	91	1299262	52.542	ug/l	99
79) 2-Chlorotoluene	12.91	91	694281	51.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	921387	52.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57804	51.617	ug/l	98
82) 4-Chlorotoluene	13.01	91	745079	51.541	ug/l	100
83) tert-Butylbenzene	13.23	119	800293	52.938	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	903995	52.131	ug/l	100
85) sec-Butylbenzene	13.41	105	1104480	53.291	ug/l	99
86) p-Isopropyltoluene	13.53	119	1052193	53.095	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	501282	50.489	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	489593	50.197	ug/l	100
89) n-Butylbenzene	13.85	91	953902	53.451	ug/l	99
90) Hexachloroethane	14.12	117	193038	50.994	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422945	49.957	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25612	47.449	ug/l	96

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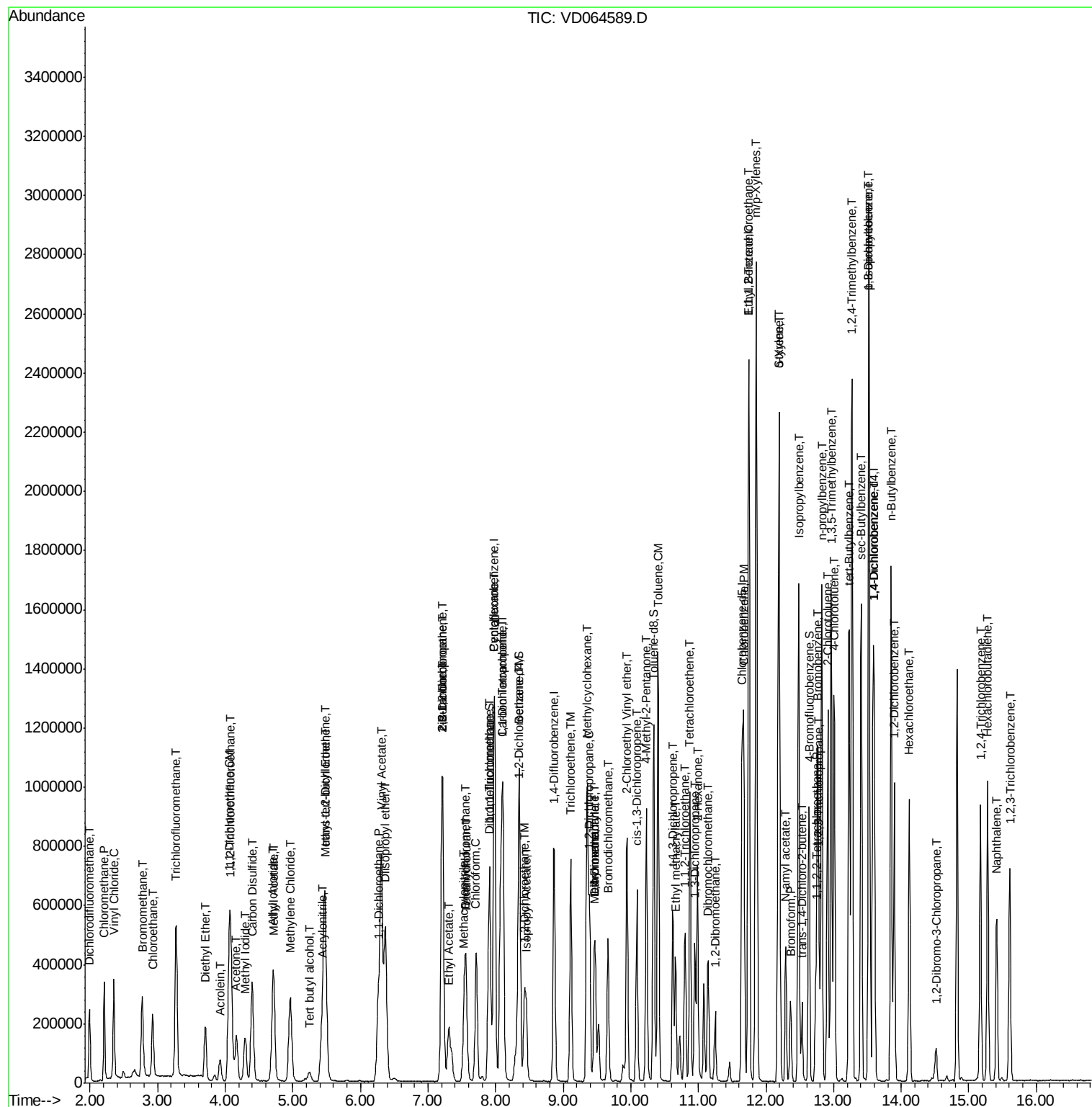
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313996	50.371	ug/l	99
94) Hexachlorobutadiene	15.28	225	202710	51.676	ug/l	98
95) Naphthalene	15.41	128	490648	49.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	268623	50.477	ug/l	99

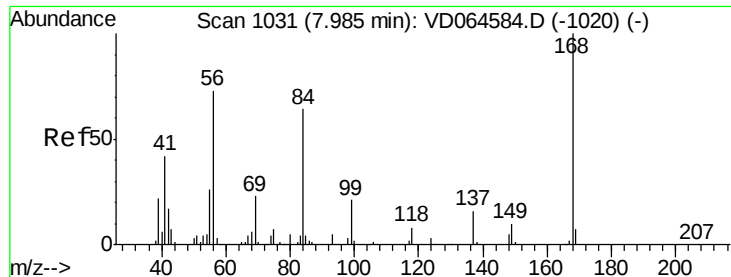
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

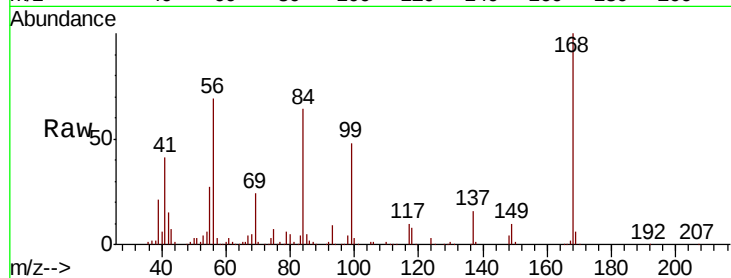
VSTDCCC050

Tot Ion:168 Resp: 492540

Ion Ratio Lower Upper

168 100

99 48.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

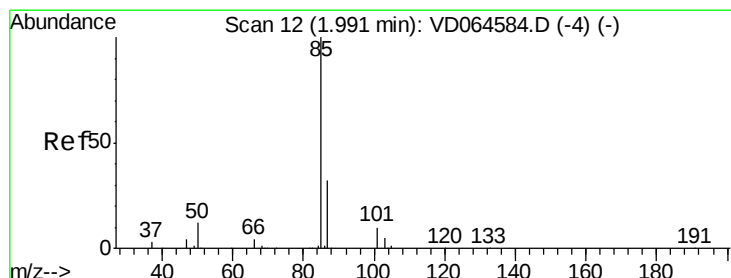
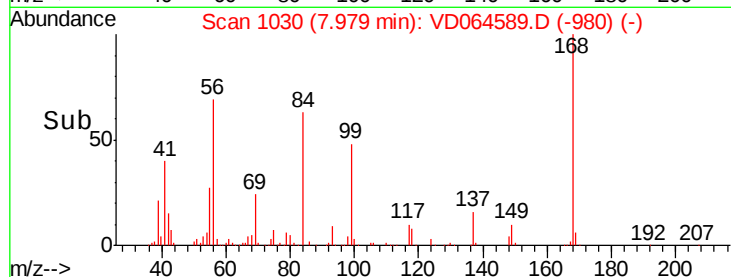
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.336 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064589.D

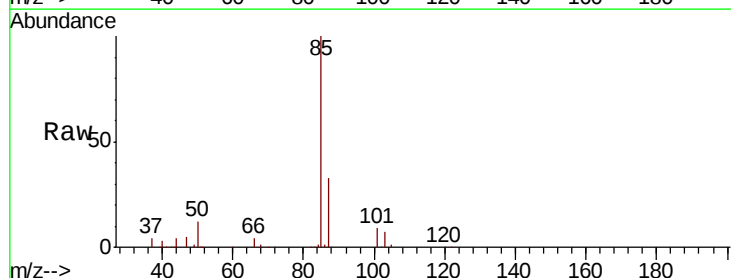
Acq: 26 Dec 2019 10:03

Tgt Ion: 85 Resp: 188846

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

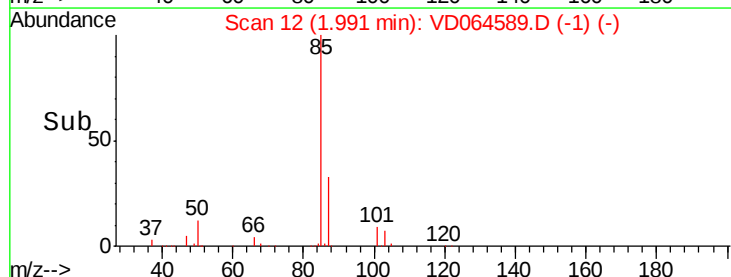
100000

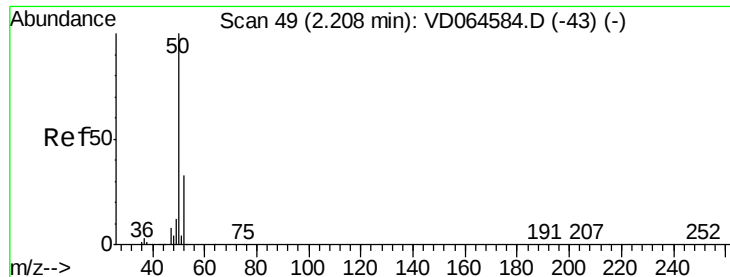
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 48.876 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

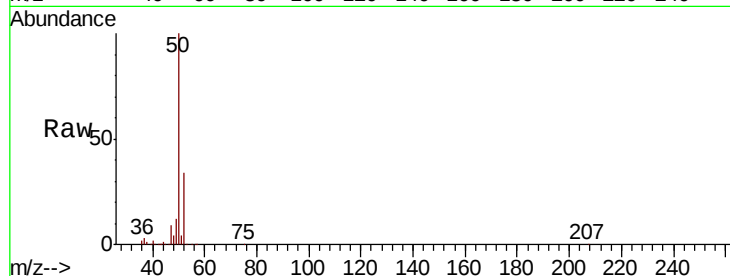
VSTDCCC050

Tot Ion: 50 Resp: 261648

Ion Ratio Lower Upper

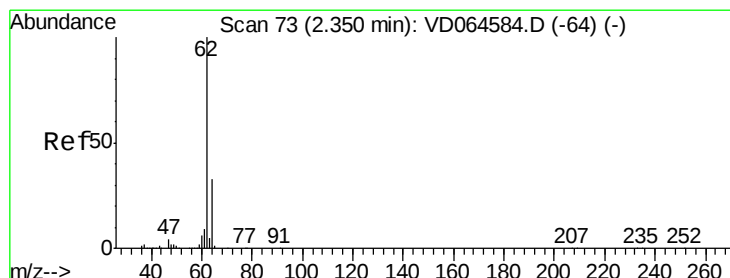
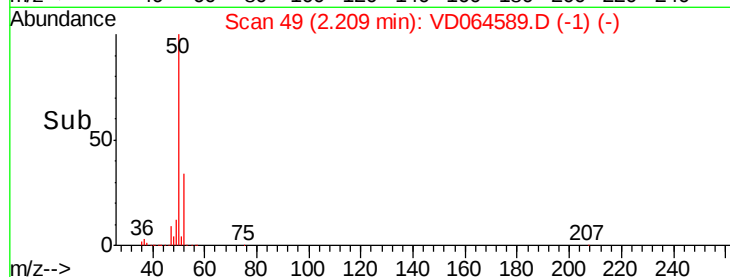
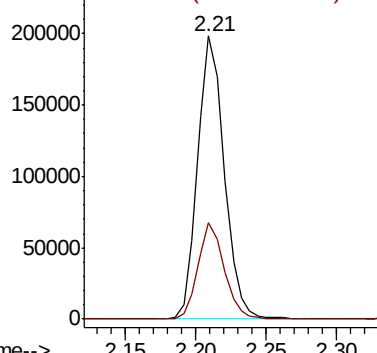
50 100

52 34.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.239 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064589.D

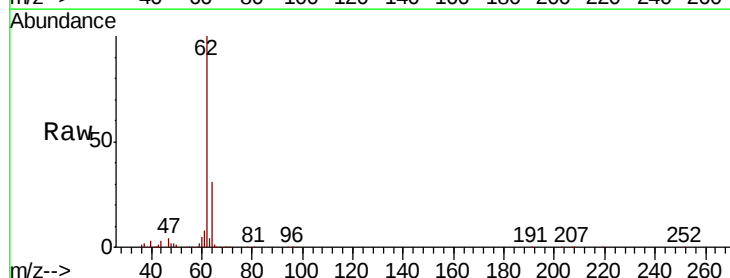
Acq: 26 Dec 2019 10:03

Tgt Ion: 62 Resp: 314866

Ion Ratio Lower Upper

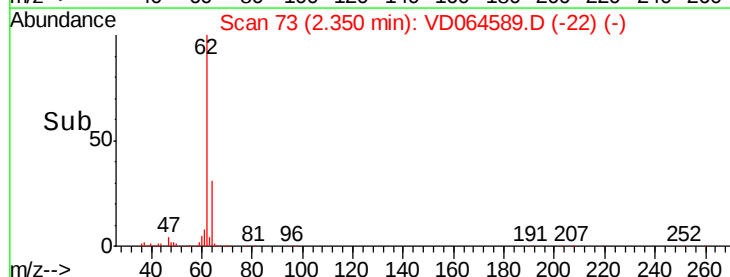
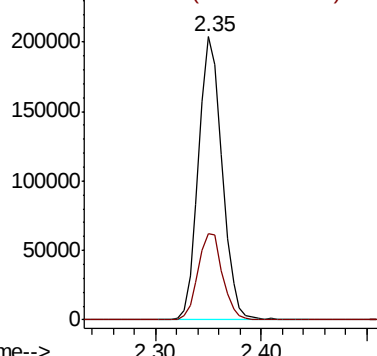
62 100

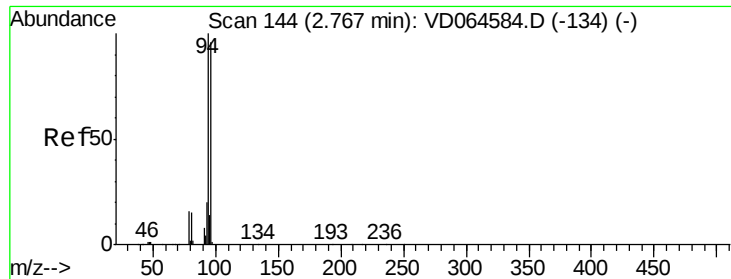
64 30.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.939 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

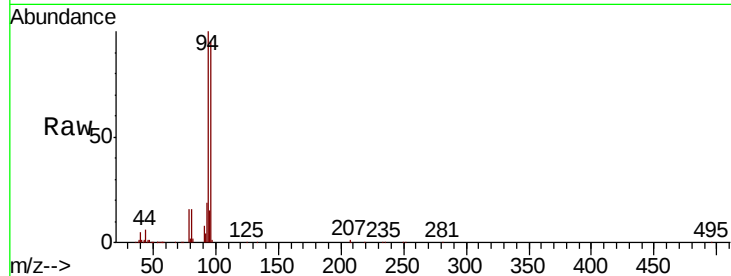
VSTDCCC050

Tot Ion: 94 Resp: 213276

Ion Ratio Lower Upper

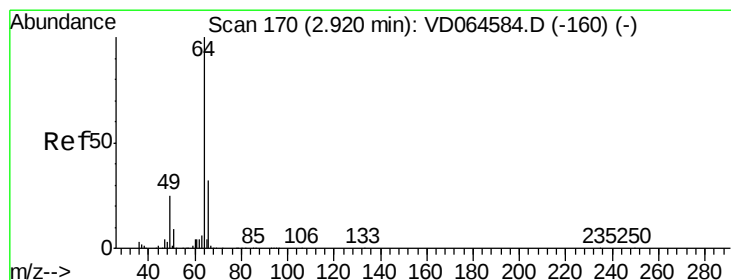
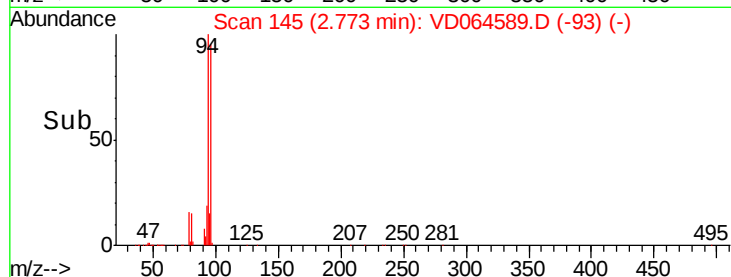
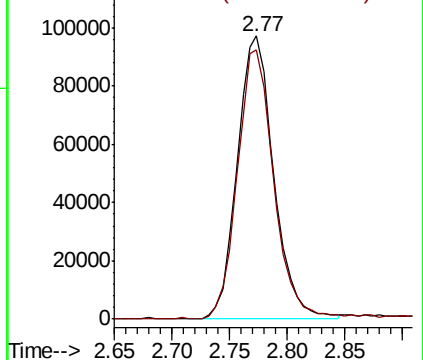
94 100

96 94.9 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.347 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064589.D

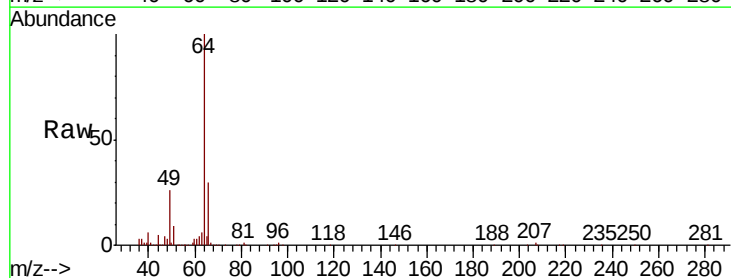
Acq: 26 Dec 2019 10:03

Tgt Ion: 64 Resp: 207076

Ion Ratio Lower Upper

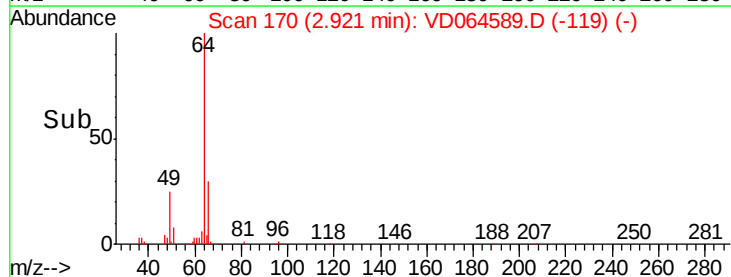
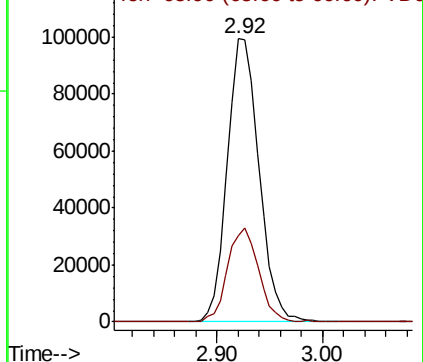
64 100

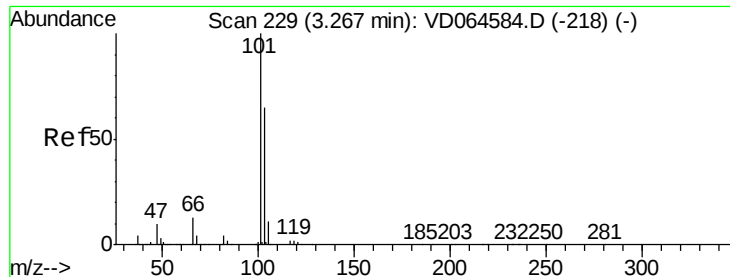
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



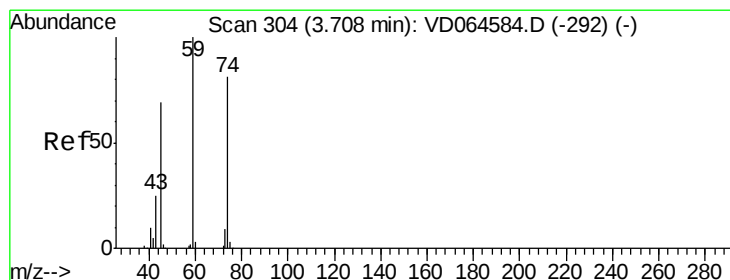
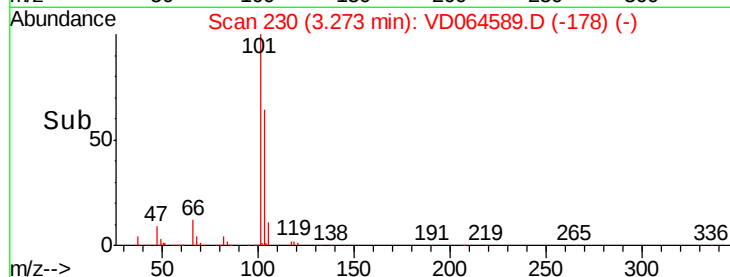
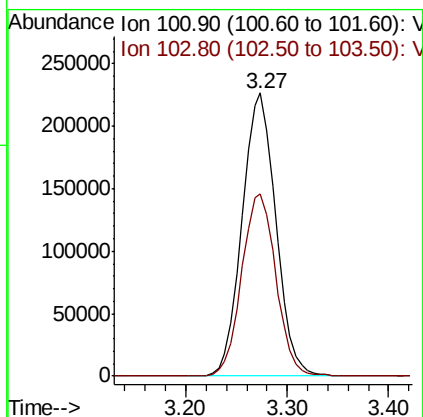
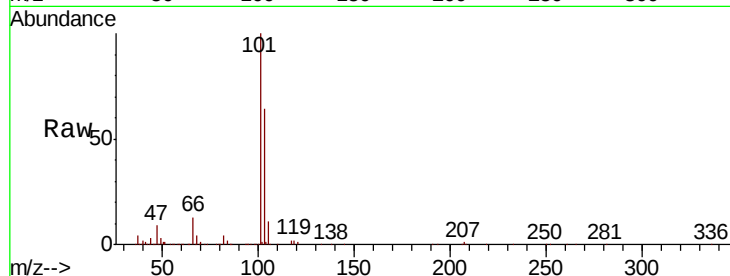


#7

Trichlorofluoromethane
 Concen: 47.814 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

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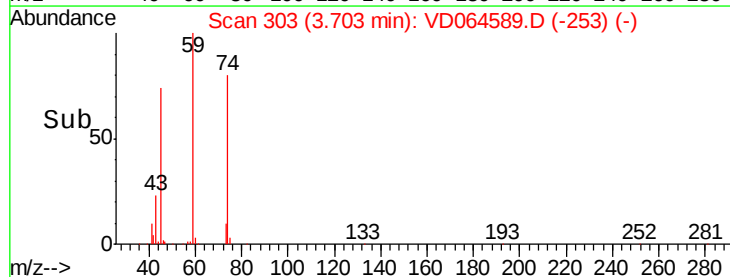
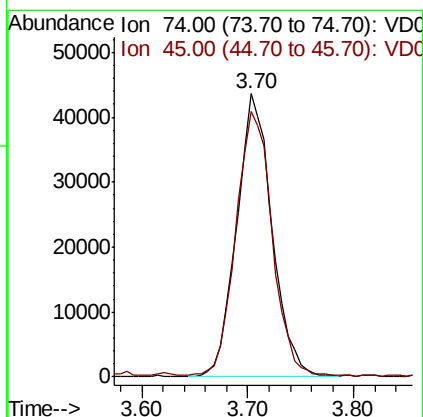
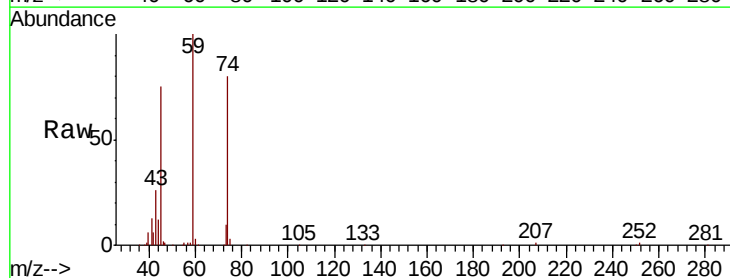
Tot Ion:101 Resp: 525492
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.2 78.4

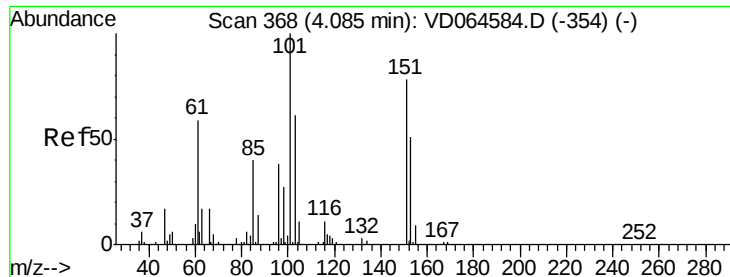


#8

Diethyl Ether
 Concen: 46.366 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 74 Resp: 101190
 Ion Ratio Lower Upper
 74 100
 45 95.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.059 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

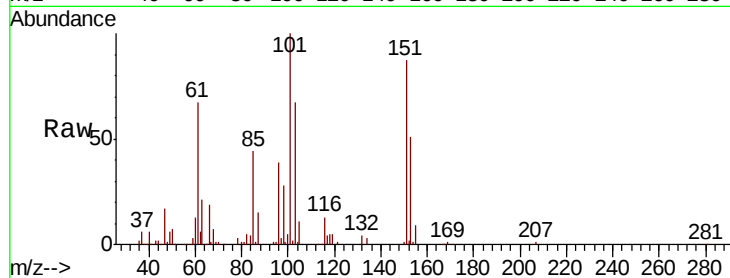
Tot Ion:101 Resp: 223293

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

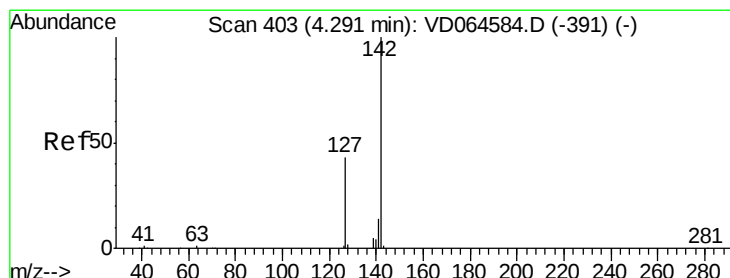
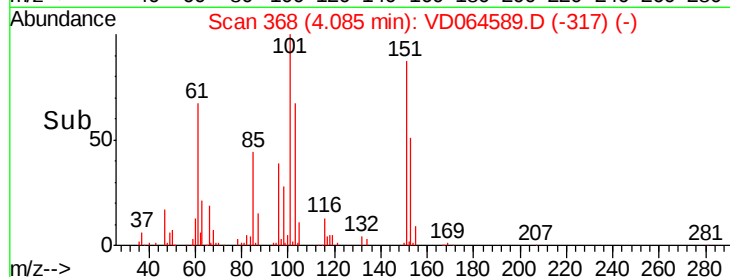
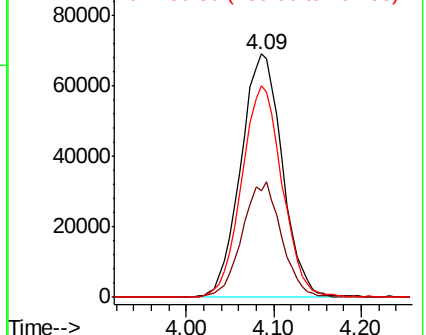
151 84.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.084 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

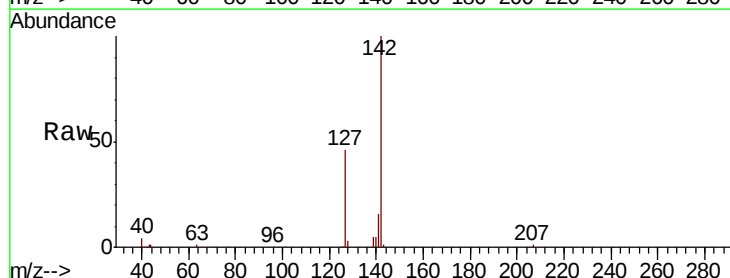
Tgt Ion:142 Resp: 254644

Ion Ratio Lower Upper

142 100

127 44.7 36.2 54.4

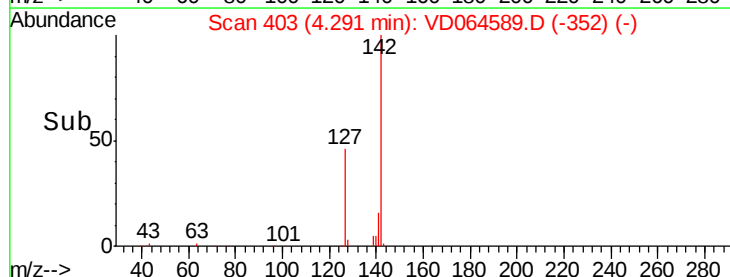
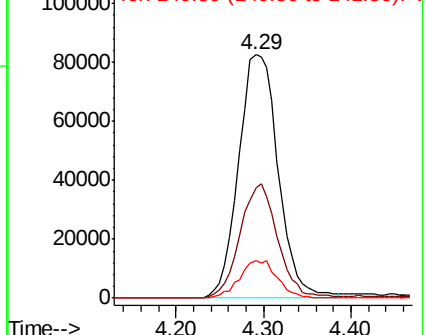
141 14.7 11.8 17.8

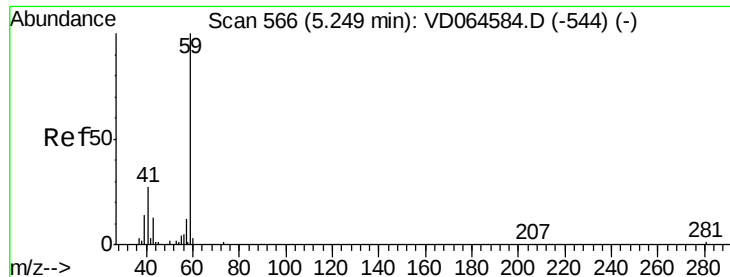


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



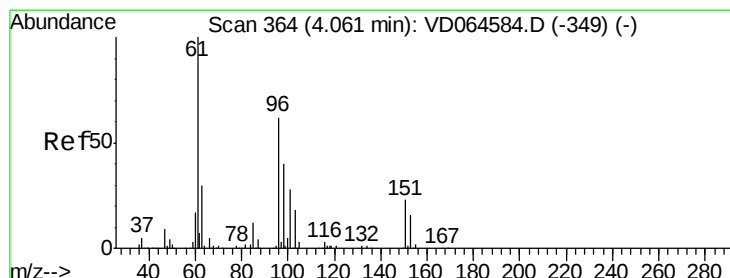
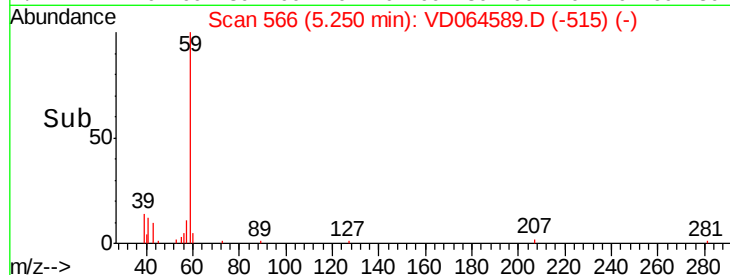
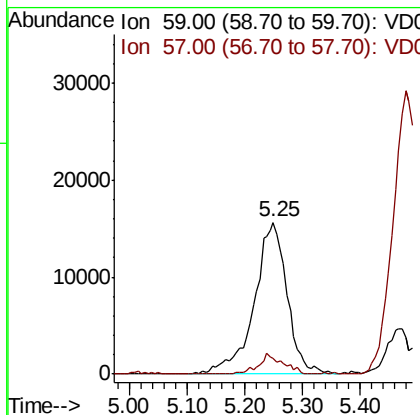
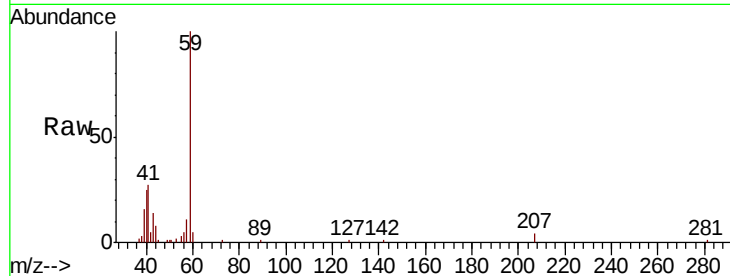


#11

Tert butyl alcohol
 Concen: 249.847 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

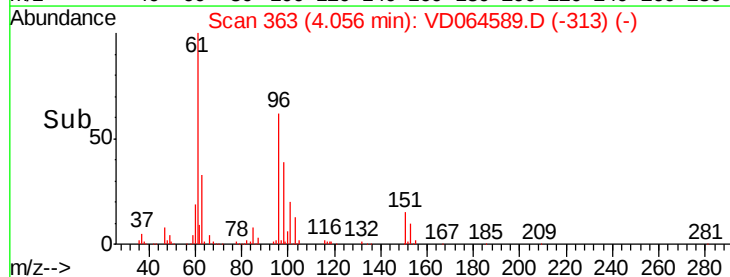
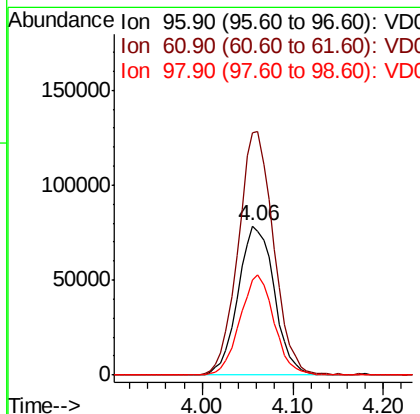
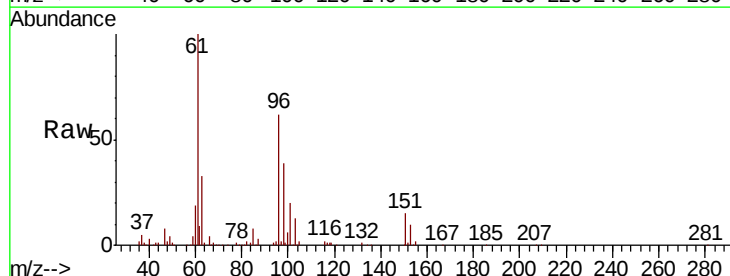
Tot Ion: 59 Resp: 62189
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.3 13.9

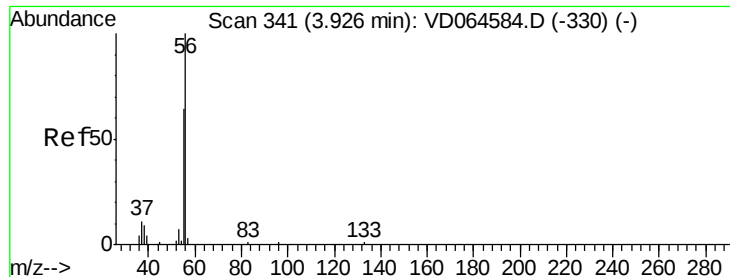


#12

1,1-Dichloroethene
 Concen: 50.225 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 96 Resp: 217639
 Ion Ratio Lower Upper
 96 100
 61 162.4 129.4 194.0
 98 63.4 51.4 77.0





#13

Acrolein

Concen: 240.992 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

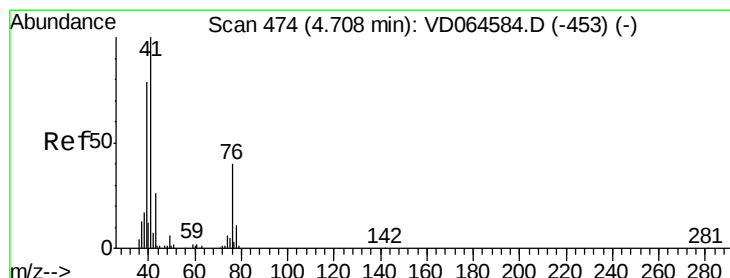
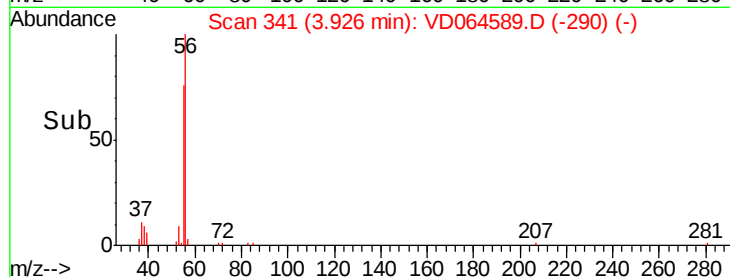
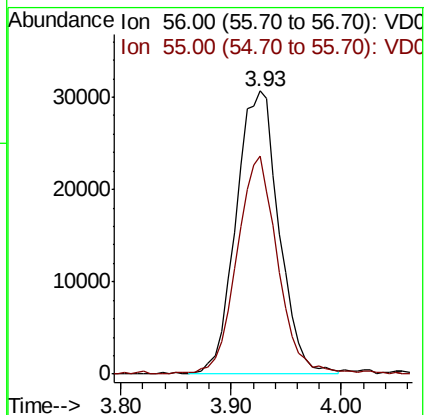
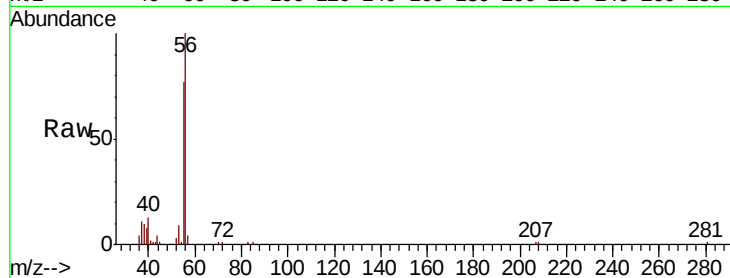
VSTDCCC050

Tot Ion: 56 Resp: 83598

Ion Ratio Lower Upper

56 100

55 73.2 56.7 85.1



#14

Allyl chloride

Concen: 50.908 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

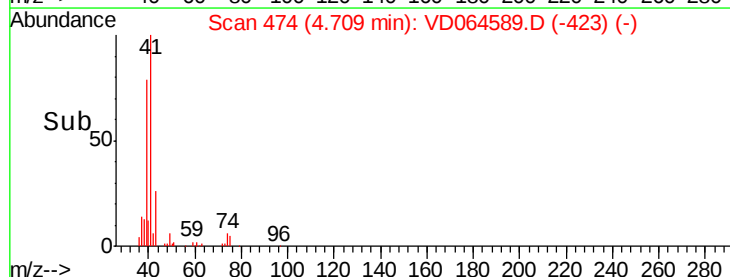
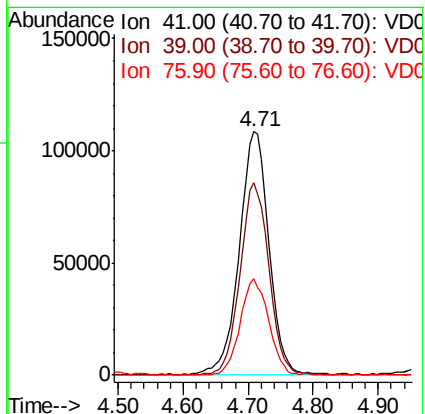
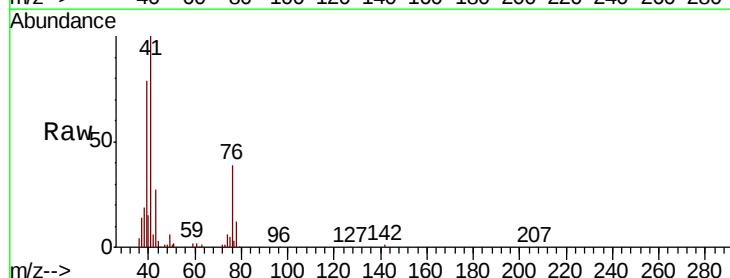
Tgt Ion: 41 Resp: 343941

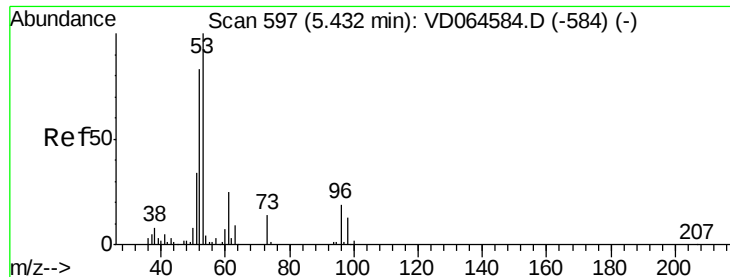
Ion Ratio Lower Upper

41 100

39 76.7 62.3 93.5

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 229.423 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

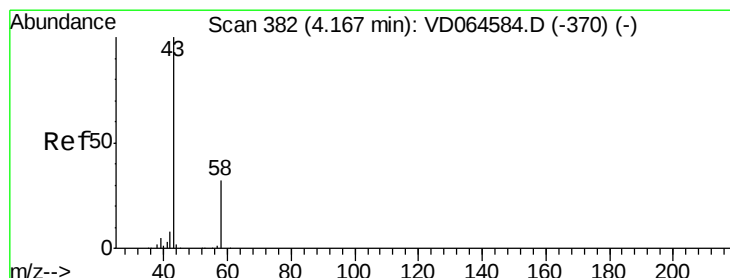
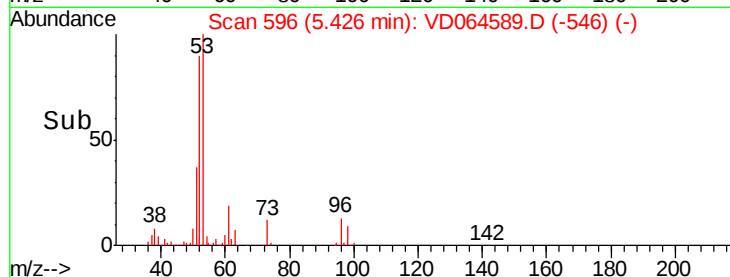
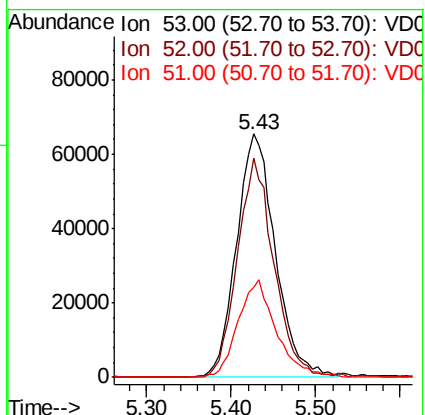
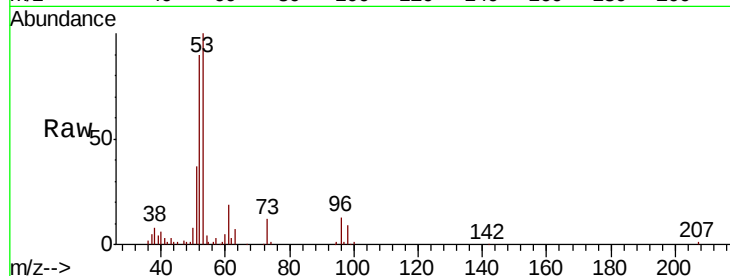
Tot Ion: 53 Resp: 208559

Ion Ratio Lower Upper

53 100

52 84.5 66.2 99.2

51 39.4 30.1 45.1



#16

Acetone

Concen: 296.532 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064589.D

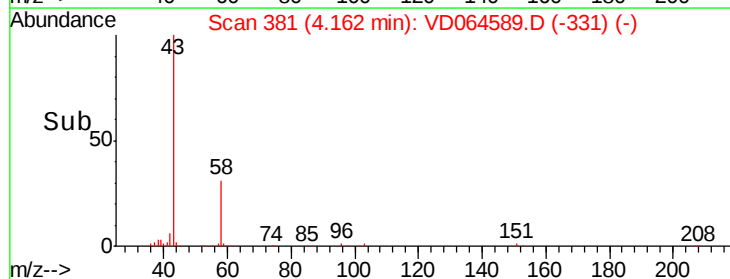
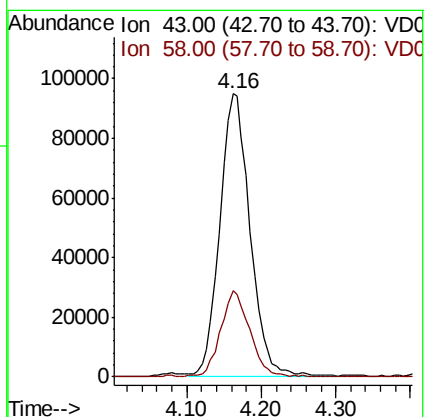
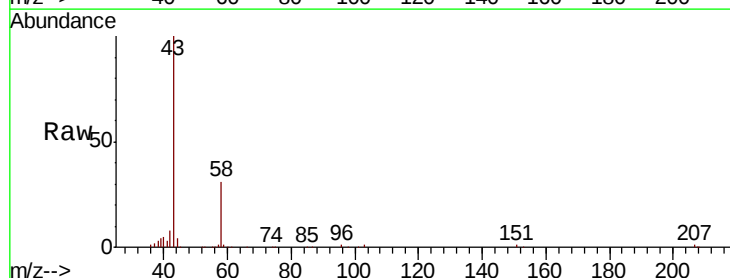
Acq: 26 Dec 2019 10:03

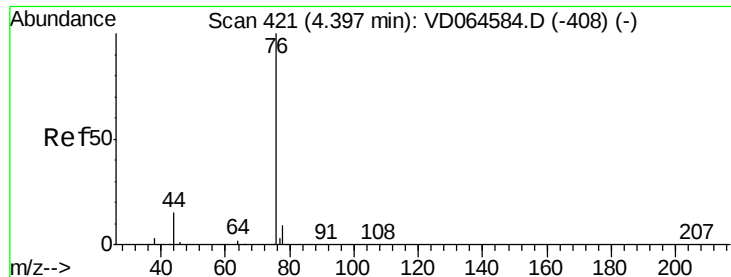
Tgt Ion: 43 Resp: 265668

Ion Ratio Lower Upper

43 100

58 30.8 25.8 38.6

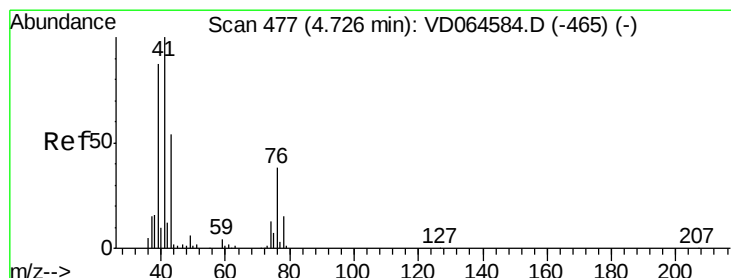
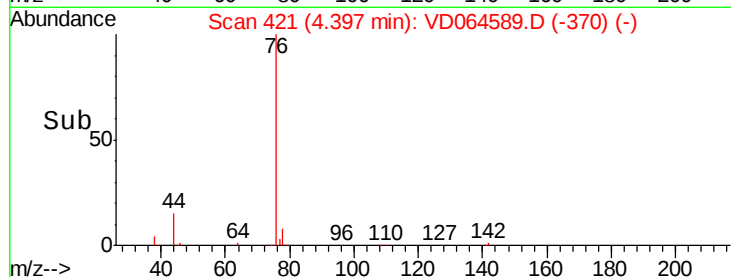
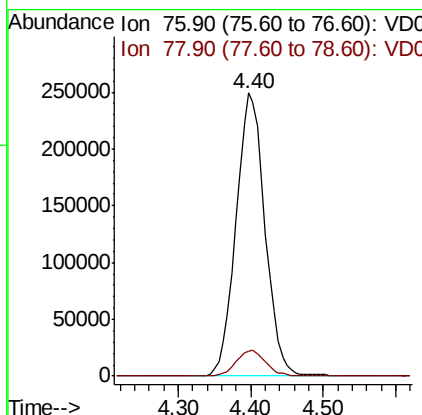
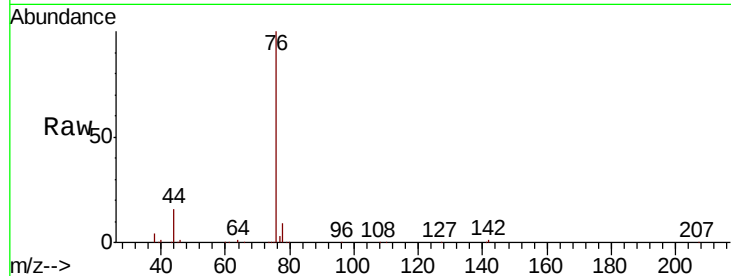




#17
Carbon Disulfide
Concen: 49.336 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

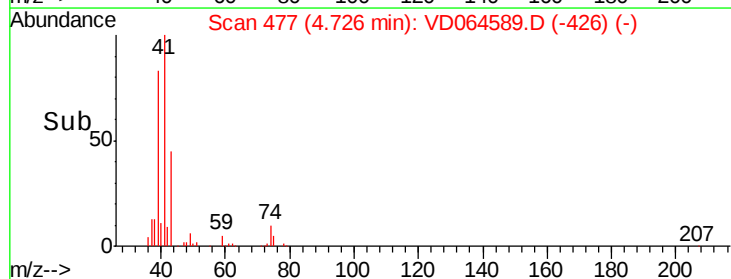
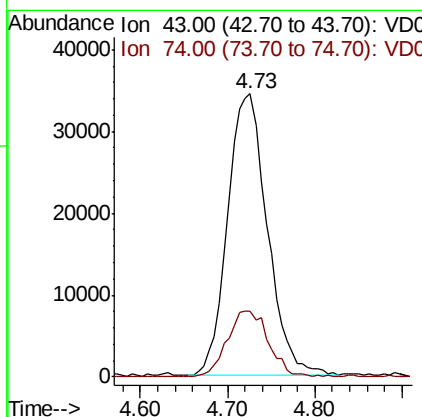
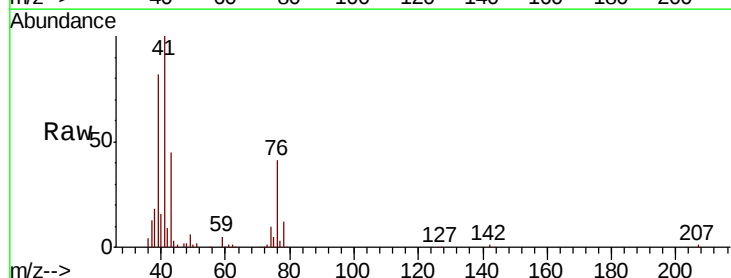
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

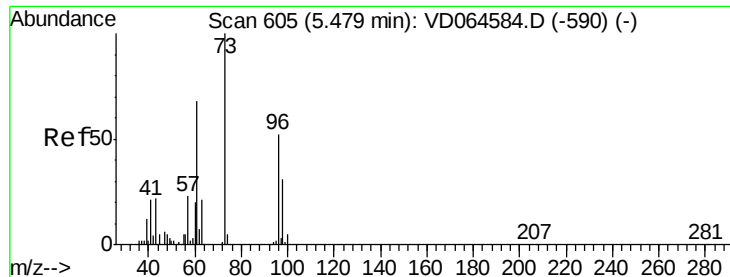
Tot Ion: 76 Resp: 691274
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 43.525 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 43 Resp: 106425
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8



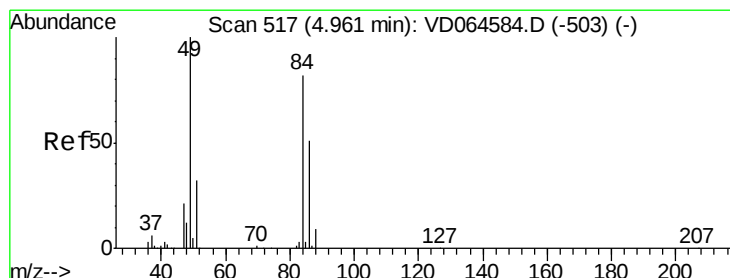
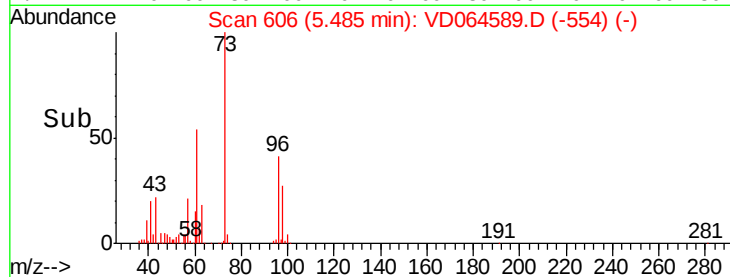
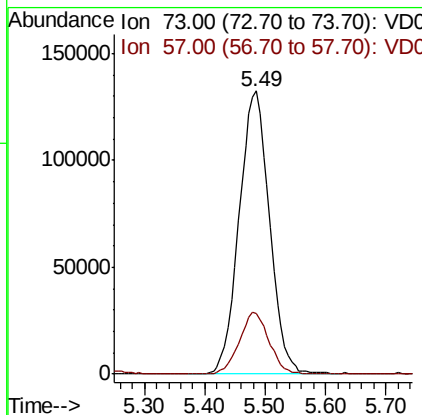
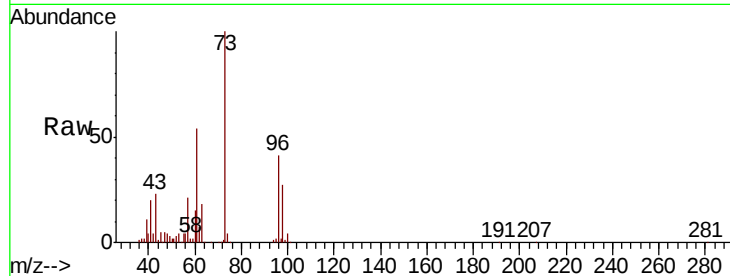


#19

Methyl tert-butyl Ether
 Concen: 48.060 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

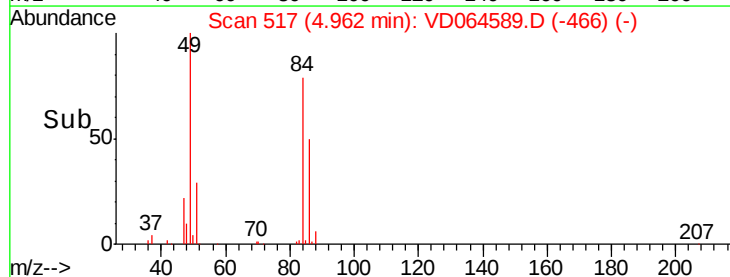
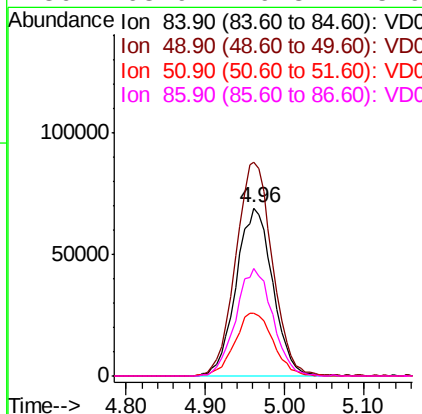
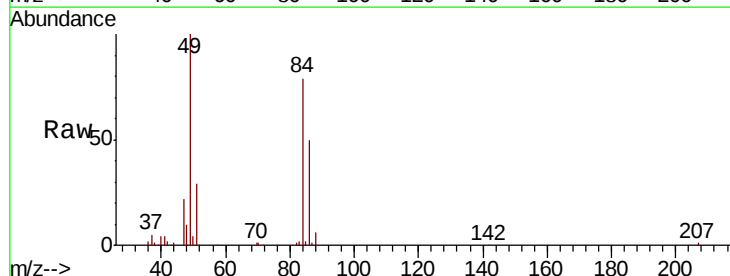
Tot Ion: 73 Resp: 462569
 Ion Ratio Lower Upper
 73 100
 57 21.3 18.6 27.8

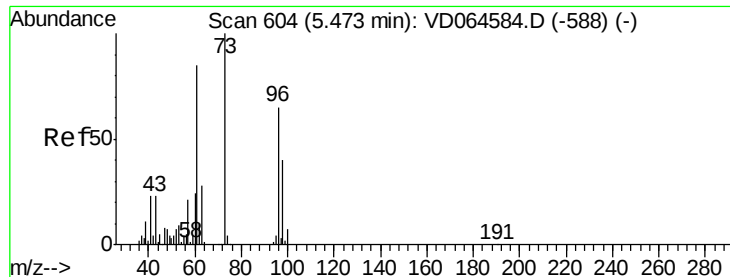


#20

Methylene Chloride
 Concen: 49.720 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 84 Resp: 220972
 Ion Ratio Lower Upper
 84 100
 49 127.2 97.2 145.8
 51 37.2 31.4 47.0
 86 63.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.033 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

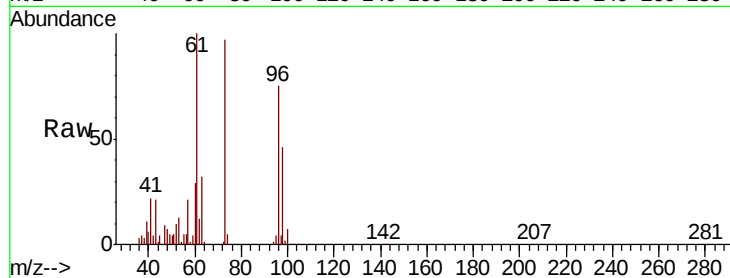
Tot Ion: 96 Resp: 246909

Ion Ratio Lower Upper

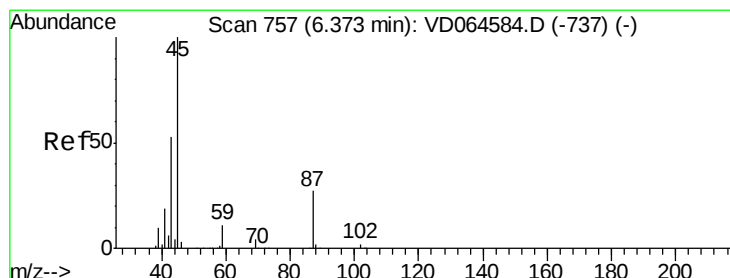
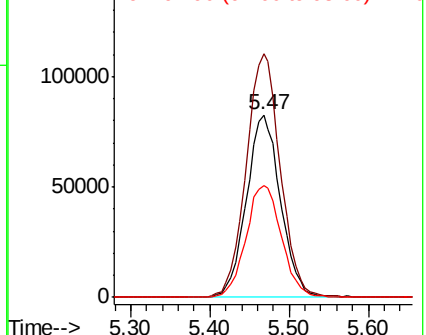
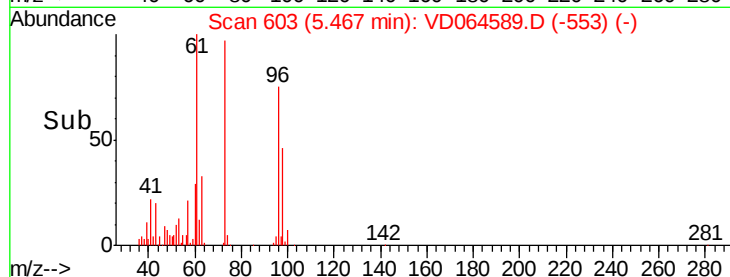
96 100

61 133.4 104.7 157.1

98 60.9 49.4 74.2



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



#22

Diisopropyl ether

Concen: 49.197 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Tgt Ion: 45 Resp: 662967

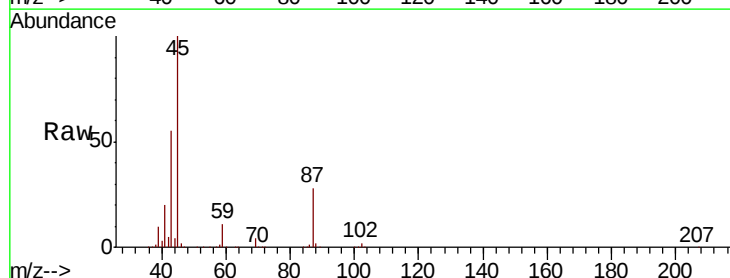
Ion Ratio Lower Upper

45 100

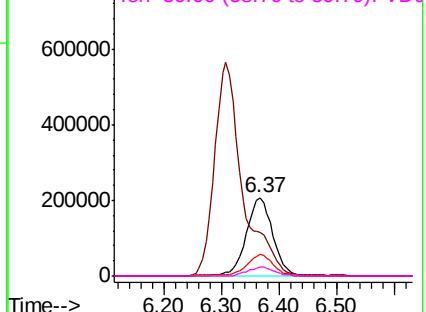
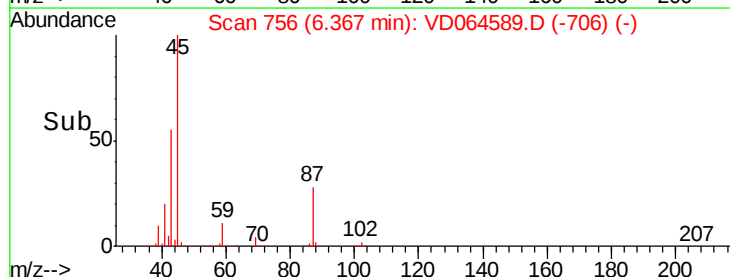
43 54.9 43.2 64.8

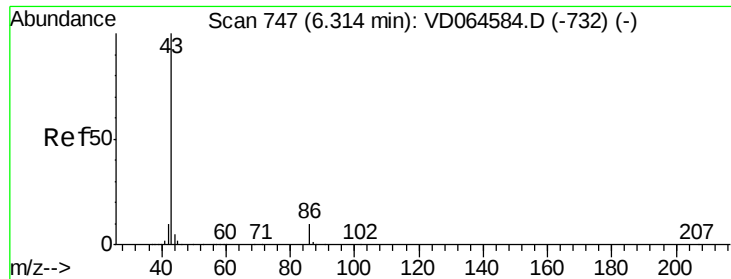
87 28.3 21.9 32.9

59 10.6 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 248.705 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

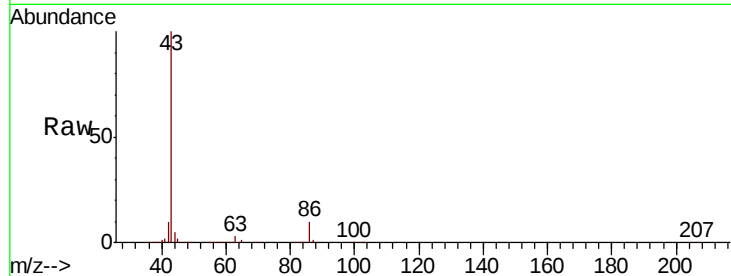
VSTDCCC050

Tot Ion: 43 Resp: 1901166

Ion Ratio Lower Upper

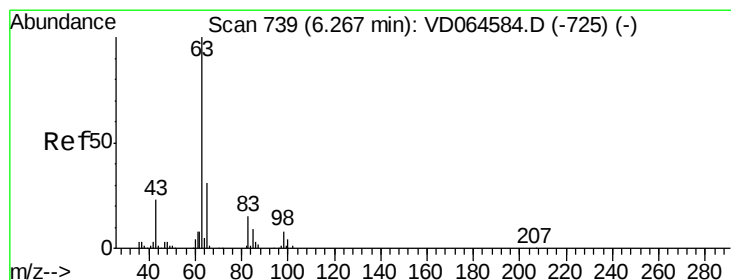
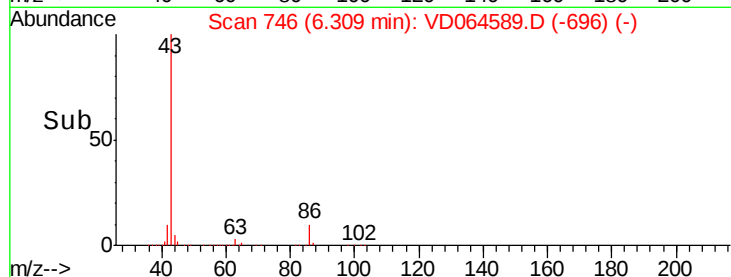
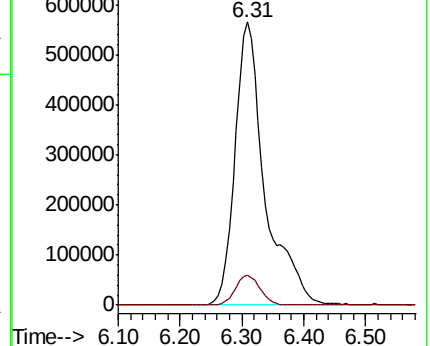
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.183 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

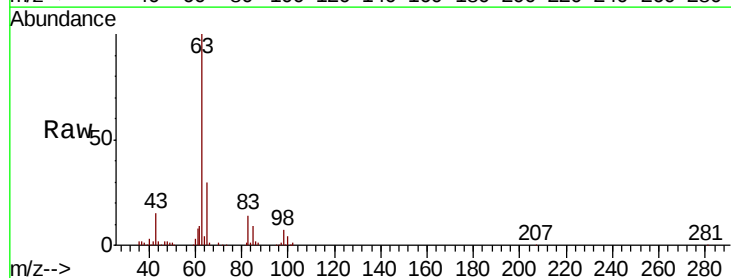
Tgt Ion: 63 Resp: 405980

Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

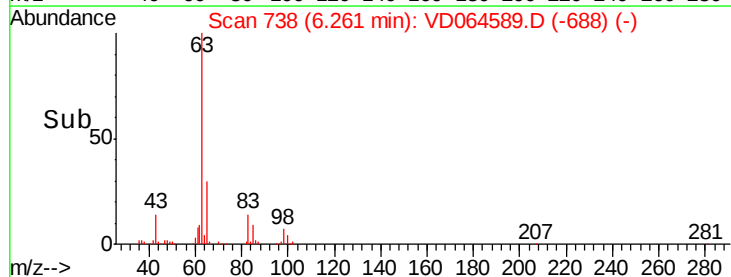
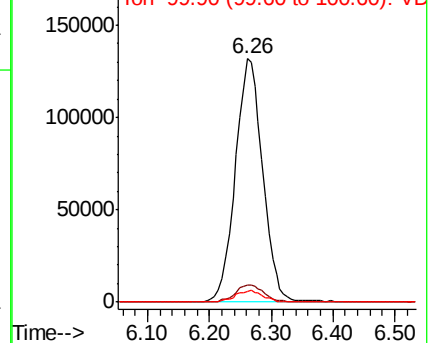
100 4.2 2.2 6.6

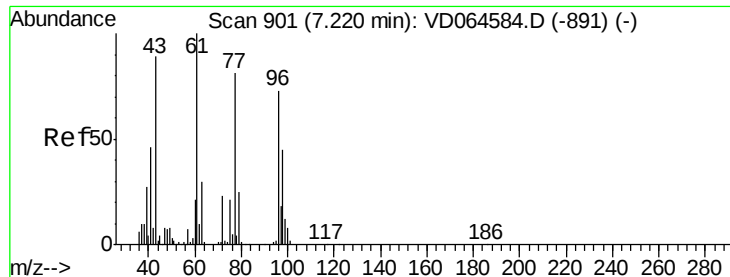


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 254.268 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

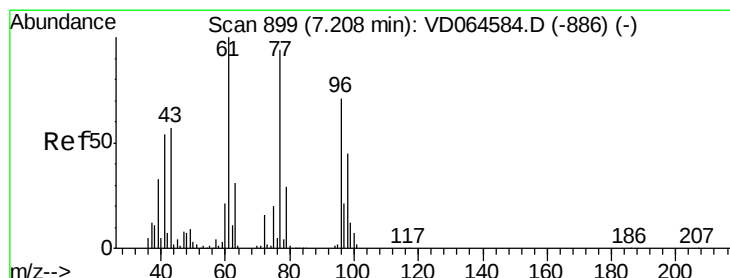
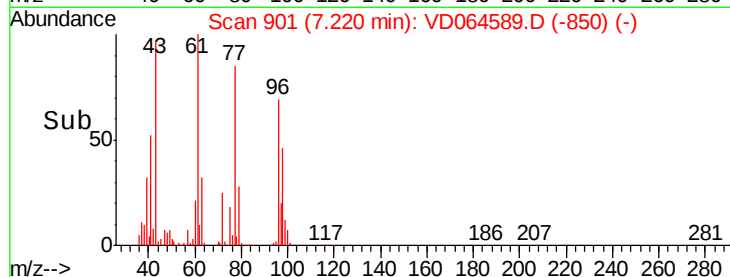
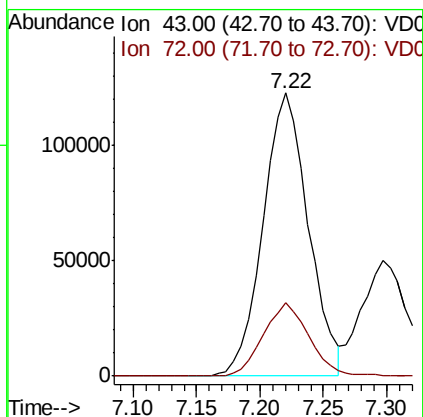
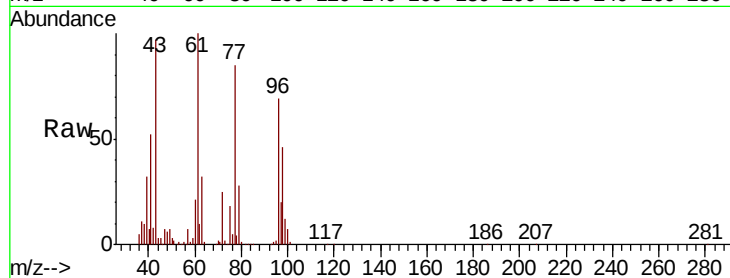
VSTDCCC050

Tot Ion: 43 Resp: 303553

Ion Ratio Lower Upper

43 100

72 26.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 50.738 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064589.D

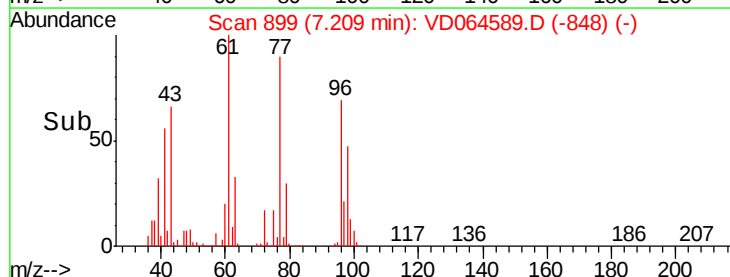
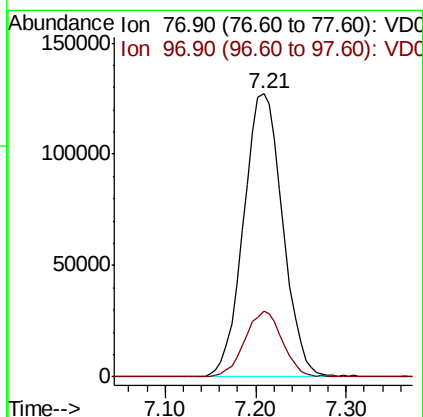
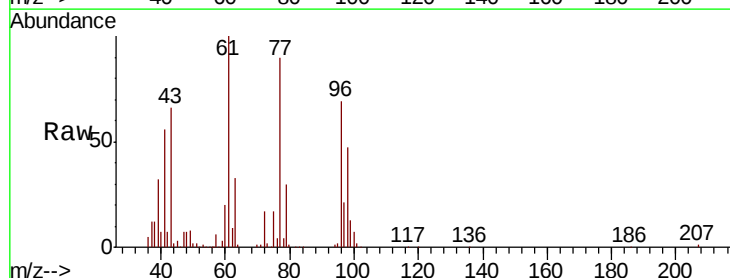
Acq: 26 Dec 2019 10:03

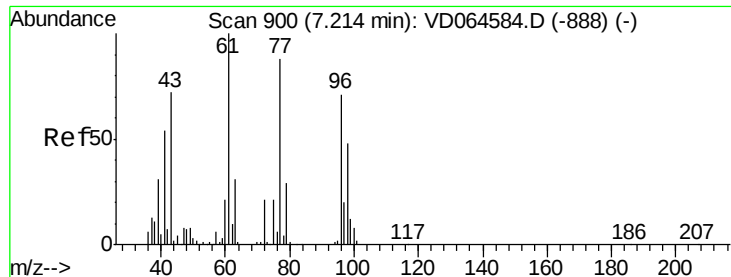
Tgt Ion: 77 Resp: 381630

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.341 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

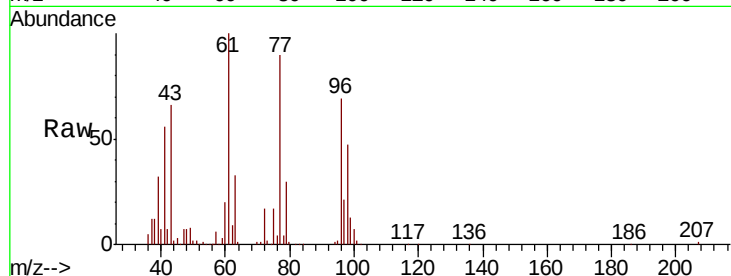
Tot Ion: 96 Resp: 262790

Ion Ratio Lower Upper

96 100

61 143.9 0.0 282.6

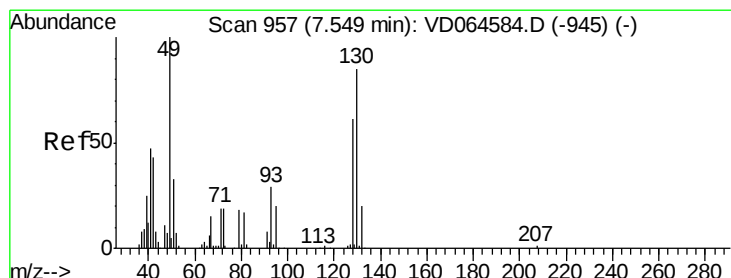
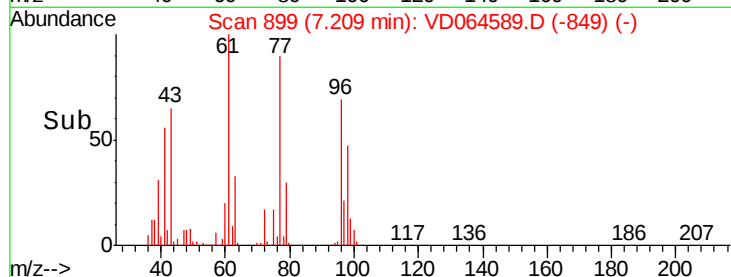
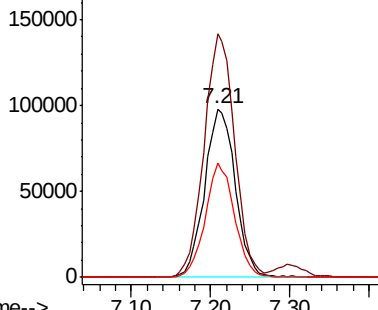
98 64.6 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 49.496 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

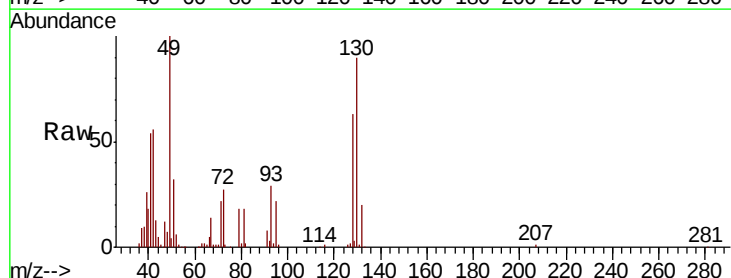
Tgt Ion: 49 Resp: 155655

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.8

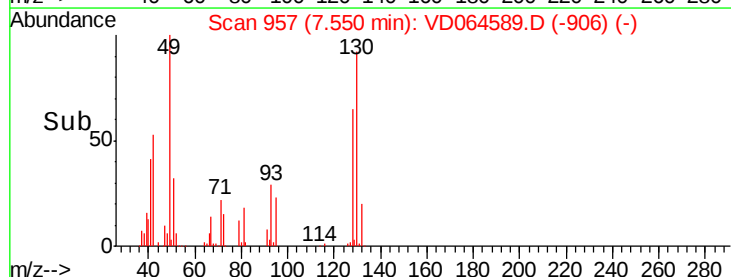
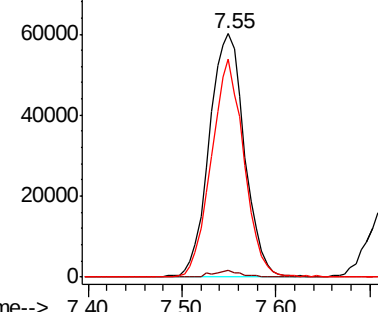
130 83.2 65.0 97.6

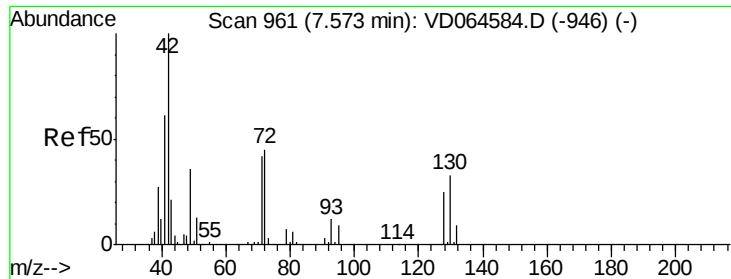


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

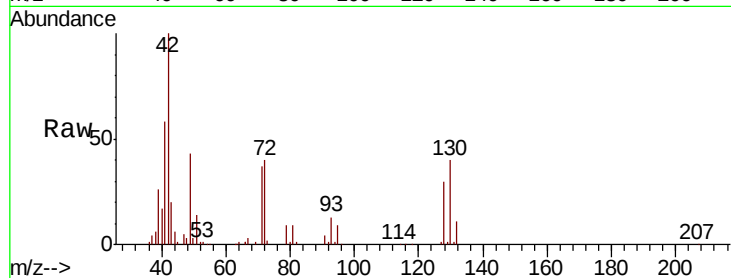




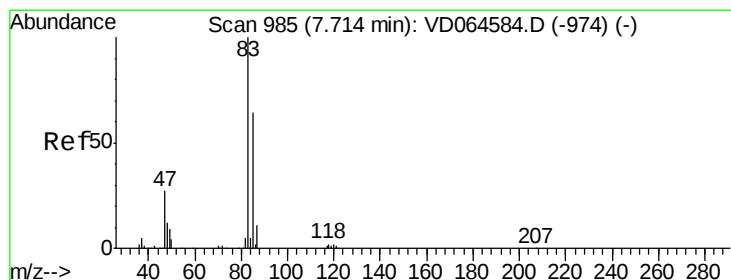
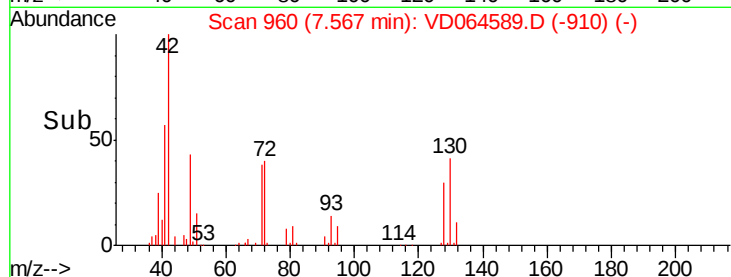
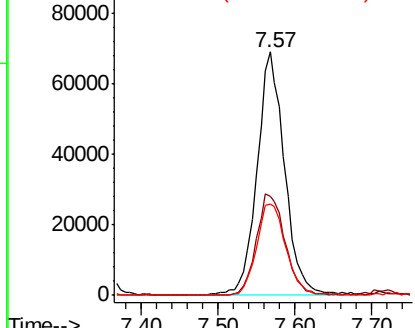
#29
Tetrahydrofuran
Concen: 232.202 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 172390
Ion Ratio Lower Upper
42 100
72 43.1 35.0 52.4
71 40.0 32.9 49.3

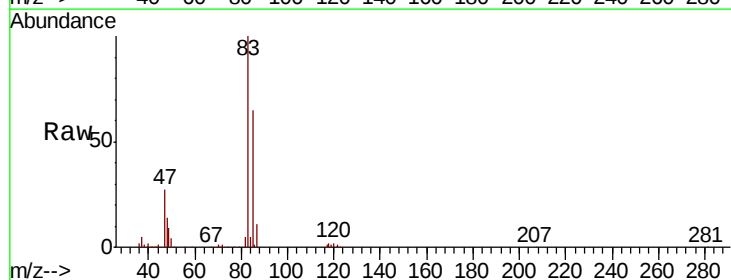


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

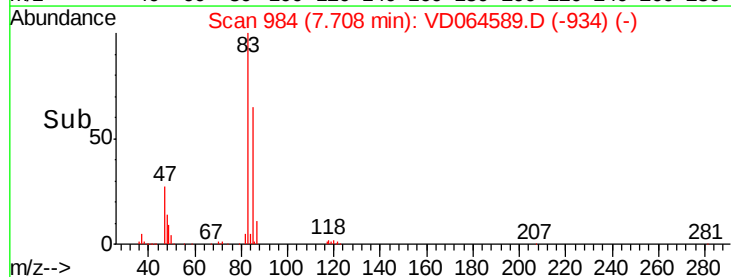
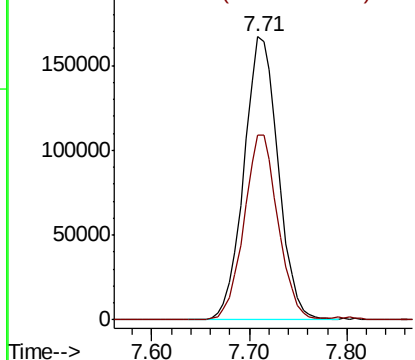


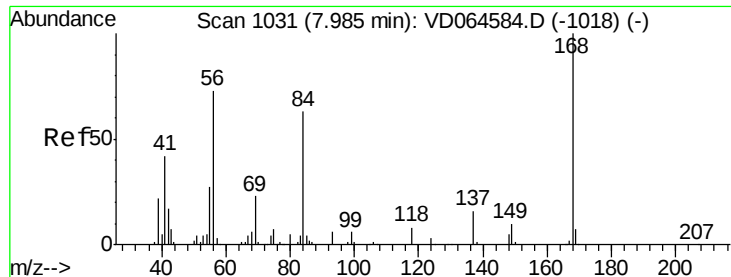
#30
Chloroform
Concen: 48.327 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 83 Resp: 410181
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7



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

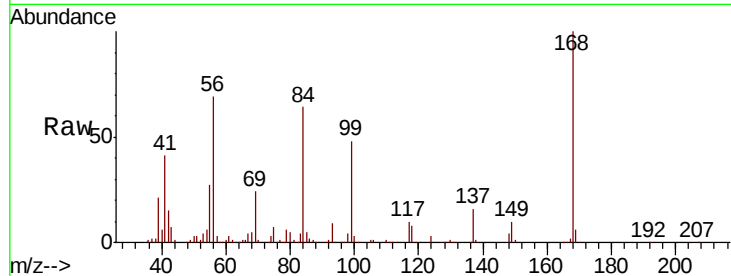




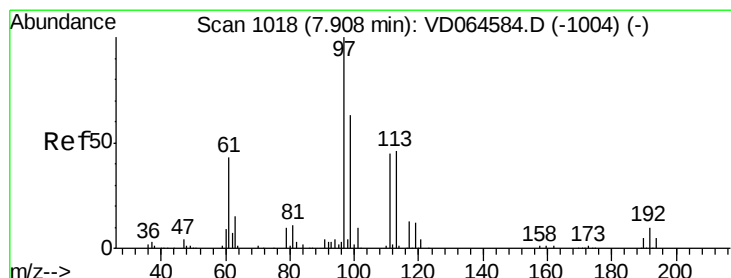
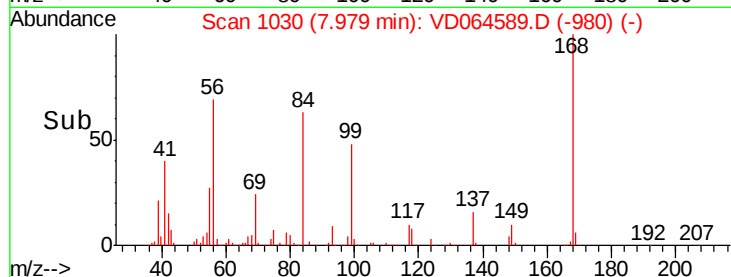
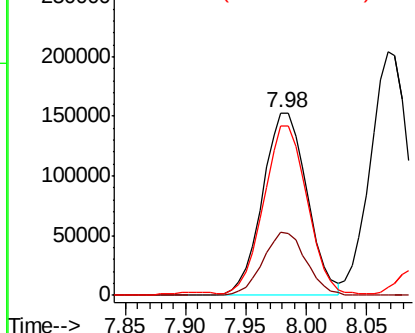
#31
Cyclohexane
Concen: 48.199 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 390318
Ion Ratio Lower Upper
56 100
69 34.4 24.7 37.1
84 91.6 69.4 104.2

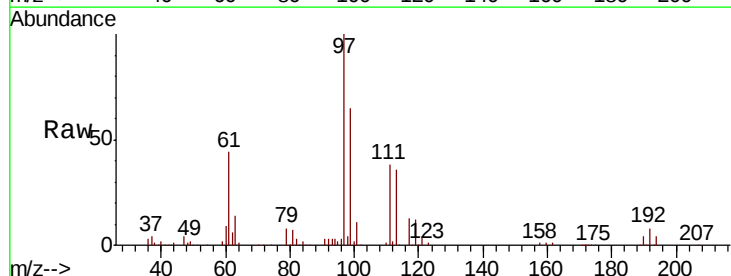


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

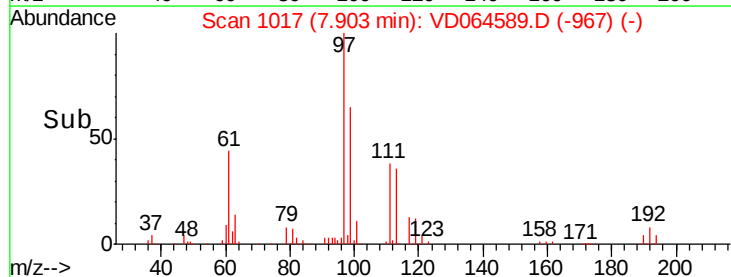
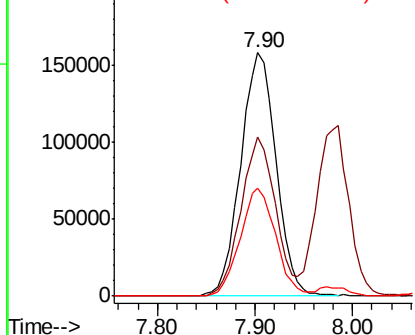


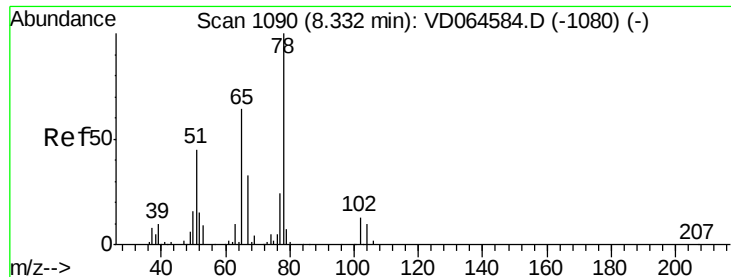
#32
1,1,1-Trichloroethane
Concen: 50.211 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 97 Resp: 400293
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 44.6 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

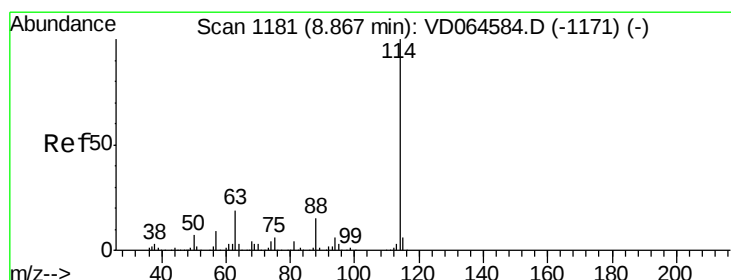
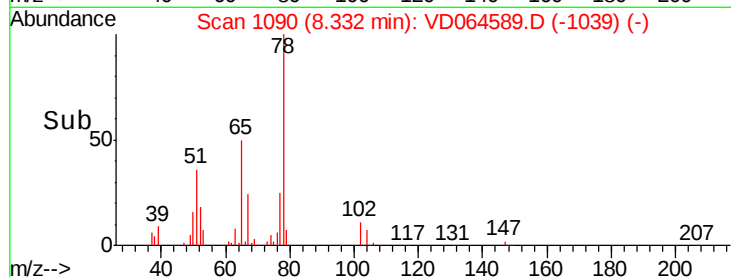
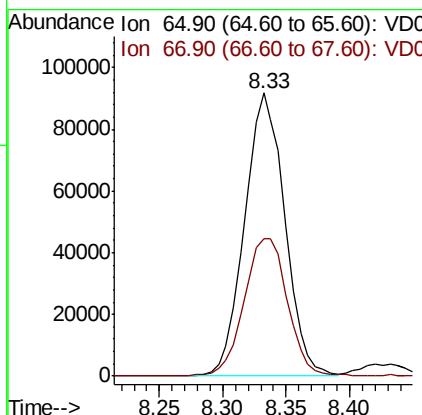
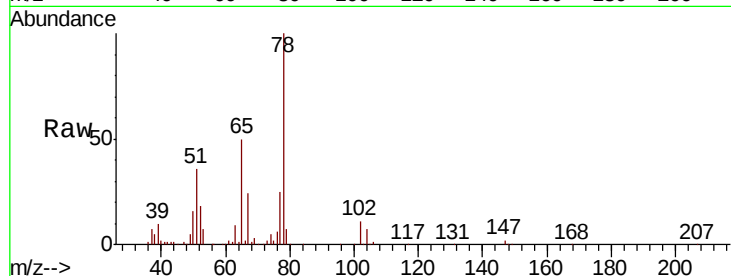




#33
 1,2-Dichloroethane-d4
 Concen: 46.661 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

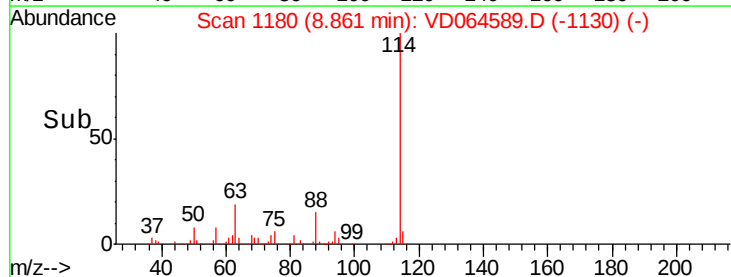
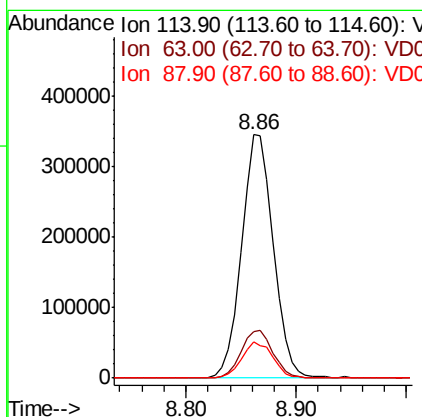
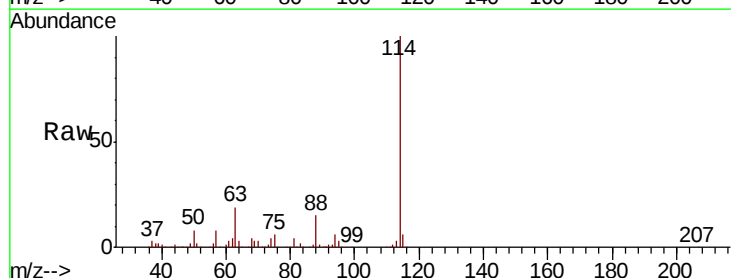
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

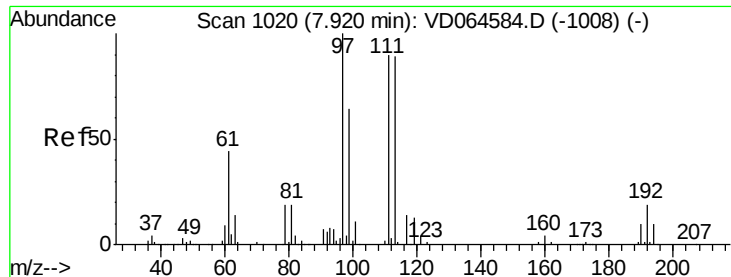
Tot Ion: 65 Resp: 202657
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 114 Resp: 696963
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 14.7 0.0 29.2

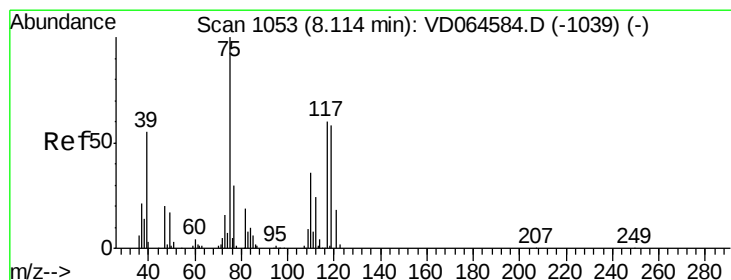
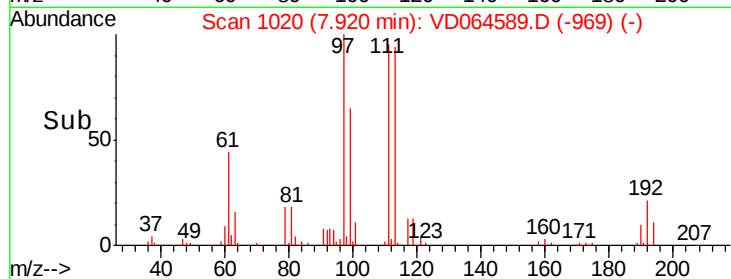
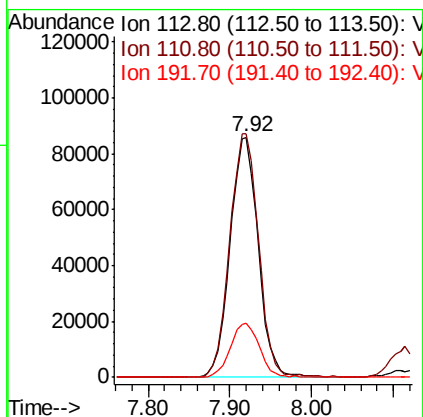
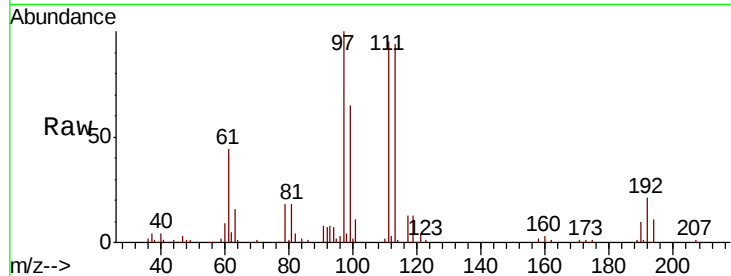




#35
Dibromofluoromethane
Concen: 48.077 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

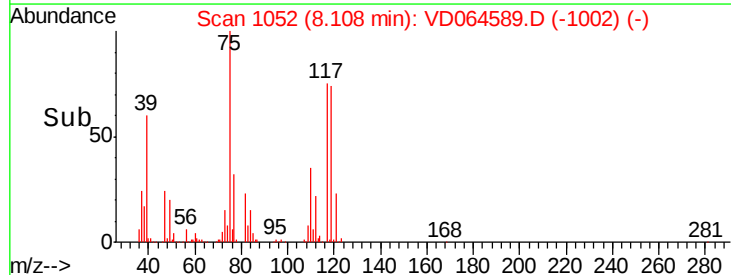
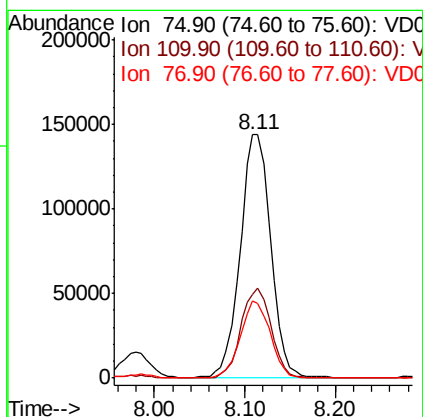
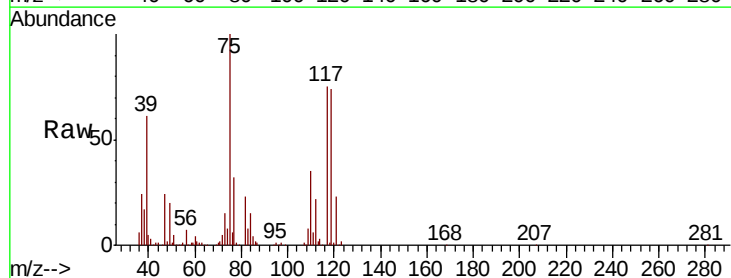
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

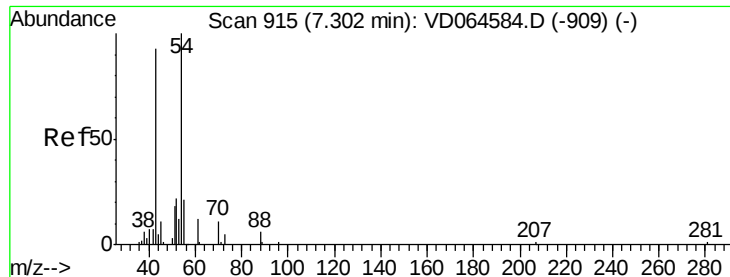
Tot Ion:113 Resp: 205577
Ion Ratio Lower Upper
113 100
111 103.8 80.6 121.0
192 23.1 17.9 26.9



#36
1,1-Dichloropropene
Concen: 50.038 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 75 Resp: 335670
Ion Ratio Lower Upper
75 100
110 36.6 18.1 54.1
77 31.7 24.2 36.4

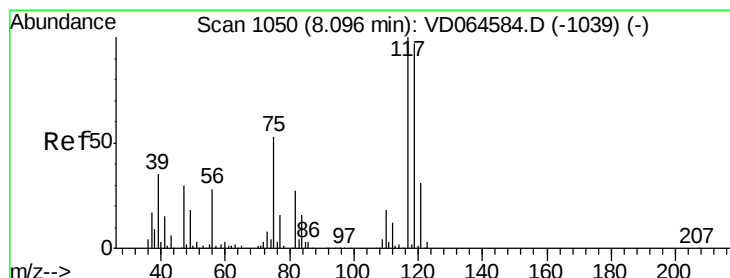
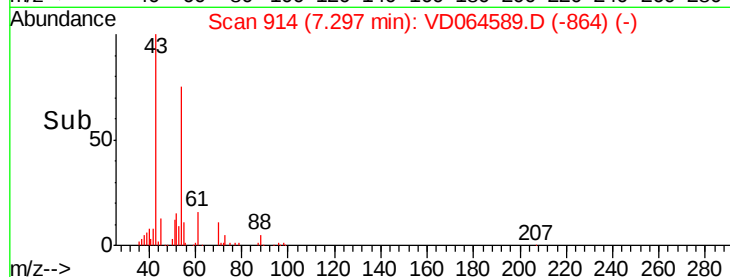
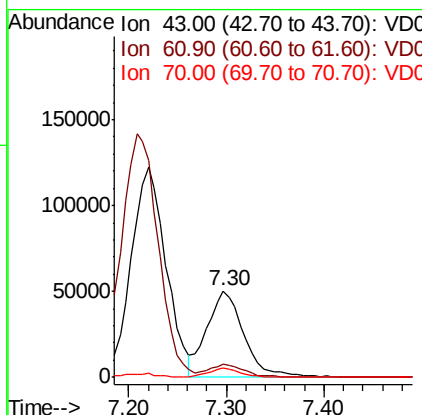
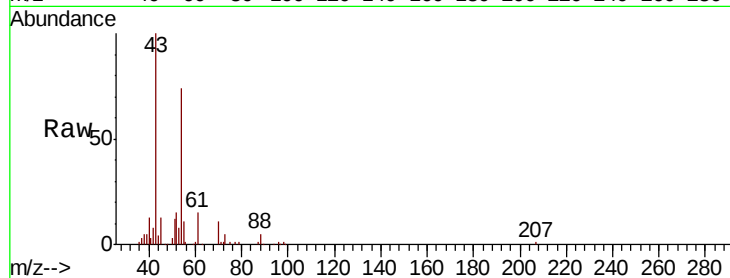




#37
Ethyl Acetate
Concen: 49.007 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

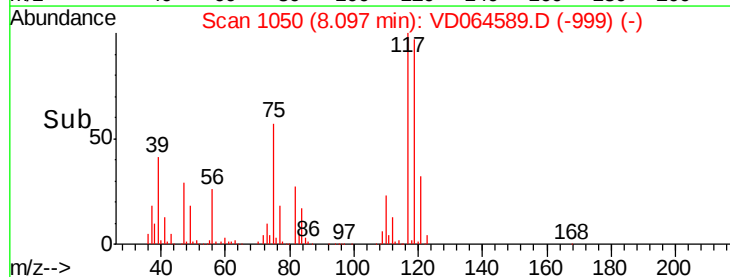
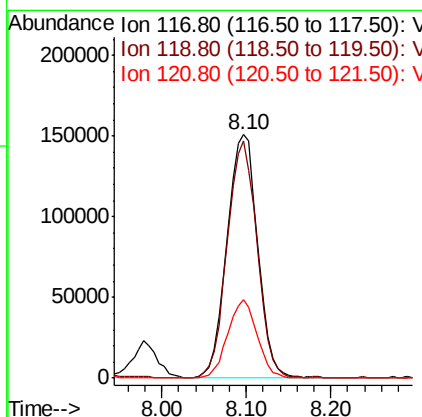
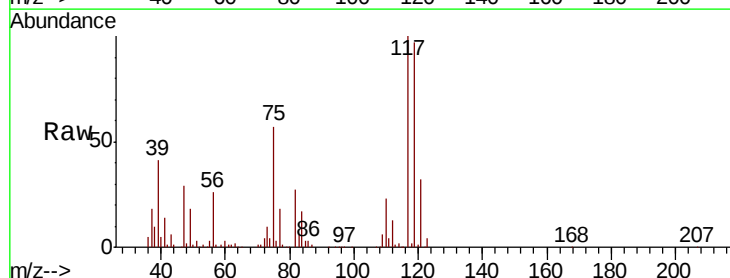
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

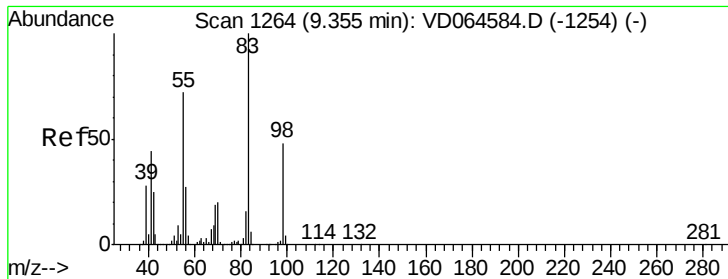
Tot Ion: 43 Resp: 129150
Ion Ratio Lower Upper
43 100
61 13.1 10.3 15.5
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 52.446 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 117 Resp: 375143
Ion Ratio Lower Upper
117 100
119 97.5 77.3 115.9
121 32.1 25.0 37.6

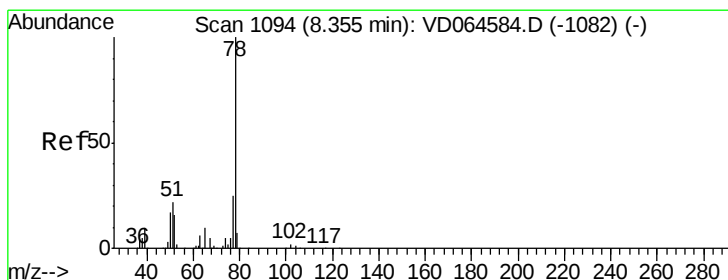
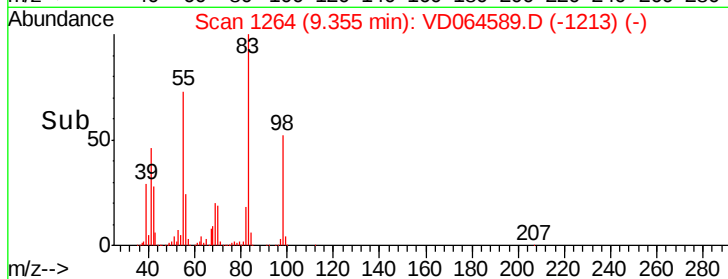
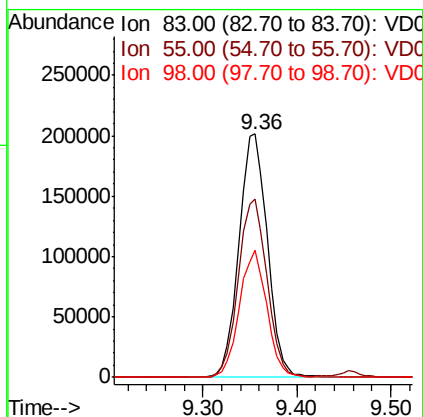
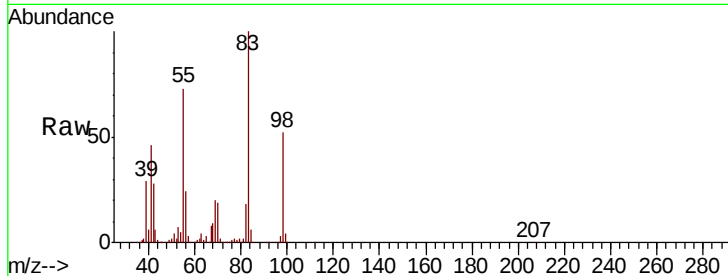




#39
Methvlcvclohexane
Concen: 52.065 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

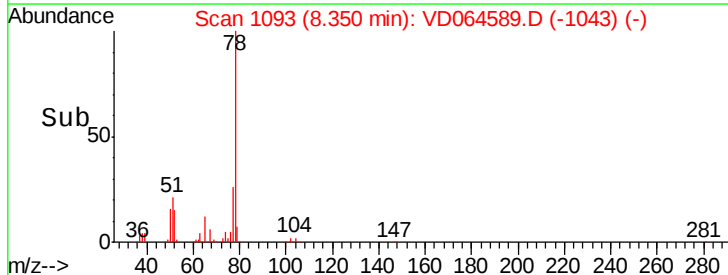
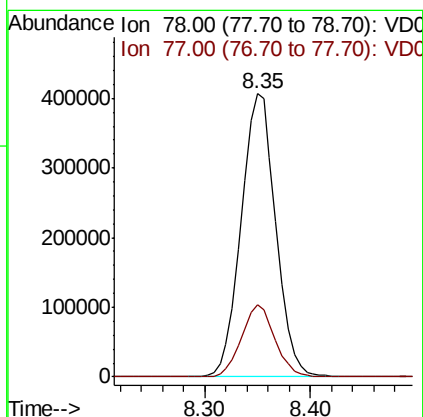
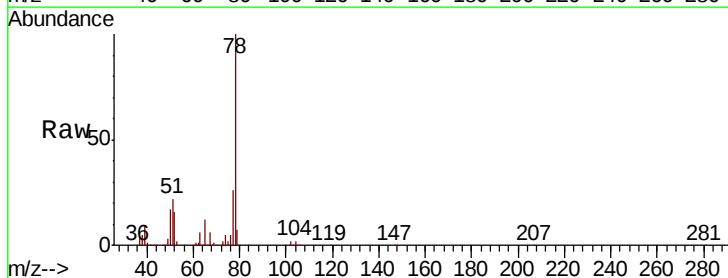
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

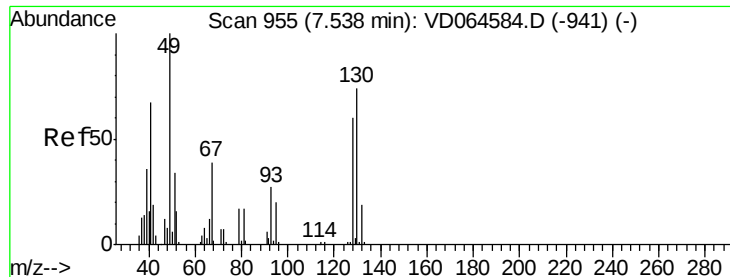
Tot Ion: 83 Resp: 423021
Ion Ratio Lower Upper
83 100
55 72.9 57.8 86.6
98 52.2 38.7 58.1



#40
Benzene
Concen: 50.446 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 78 Resp: 923800
Ion Ratio Lower Upper
78 100
77 25.7 19.9 29.9





#41

Methacrylonitrile

Concen: 49.004 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 74929

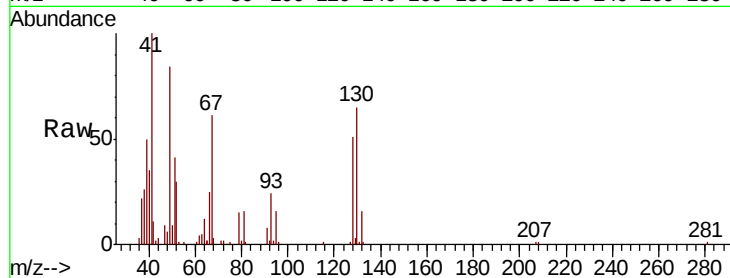
Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

67 70.7 52.5 78.7

52 31.1 24.1 36.1

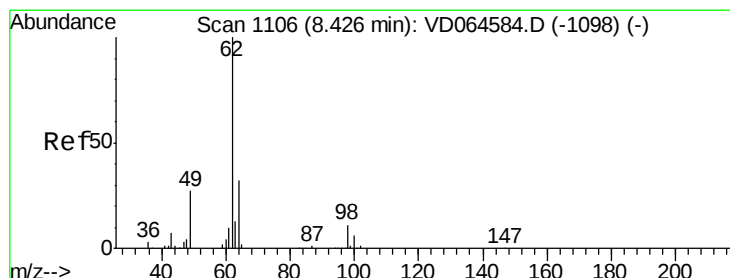
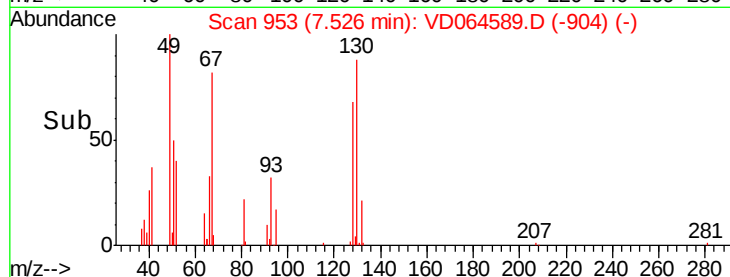
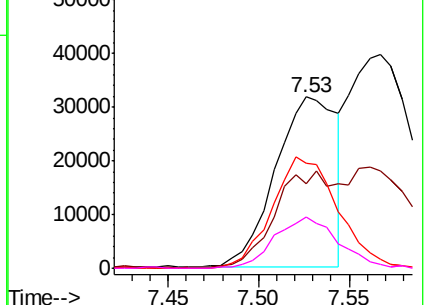


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.244 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064589.D

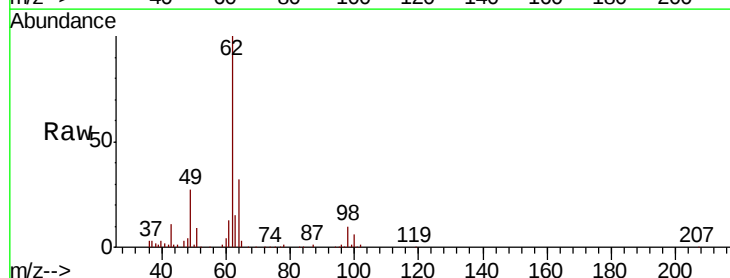
Acq: 26 Dec 2019 10:03

Tgt Ion: 62 Resp: 260597

Ion Ratio Lower Upper

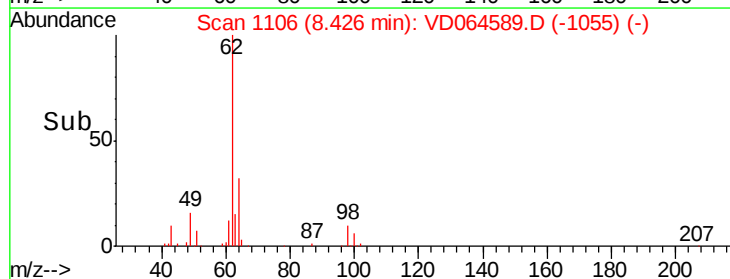
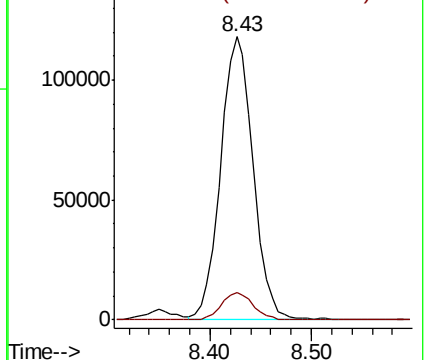
62 100

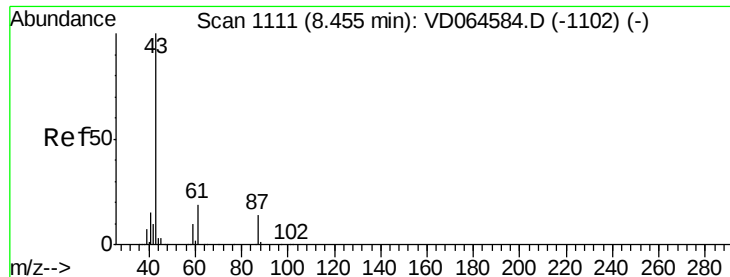
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.469 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

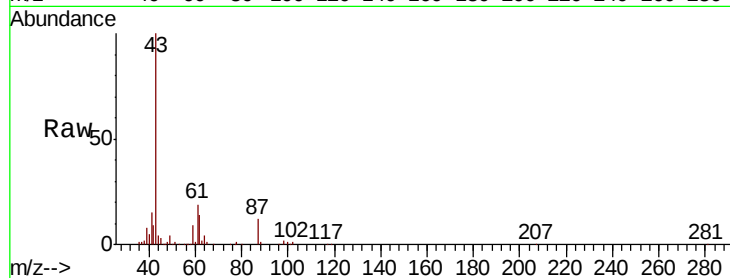
Tot Ion: 43 Resp: 248997

Ion Ratio Lower Upper

43 100

61 30.5 23.7 35.5

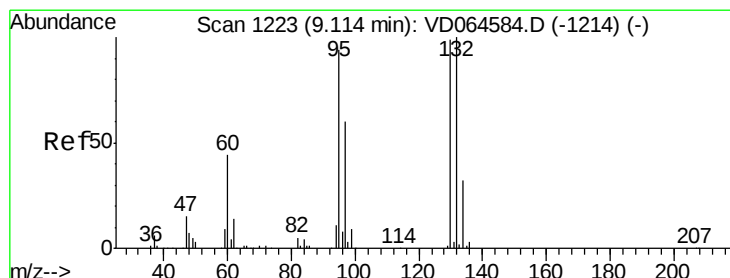
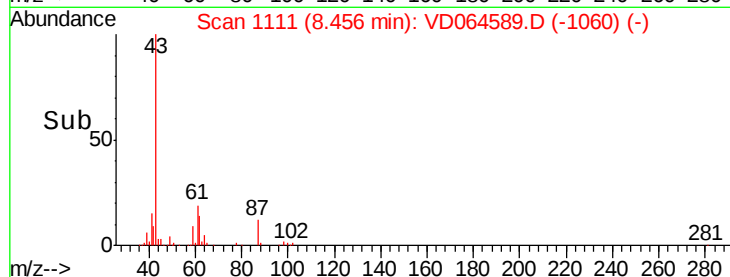
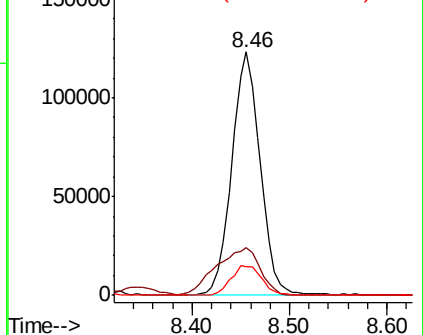
87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.246 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064589.D

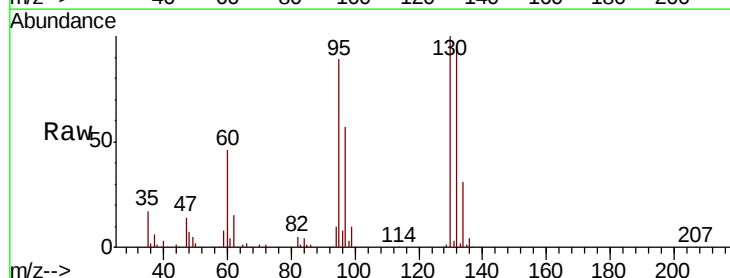
Acq: 26 Dec 2019 10:03

Tgt Ion:130 Resp: 270309

Ion Ratio Lower Upper

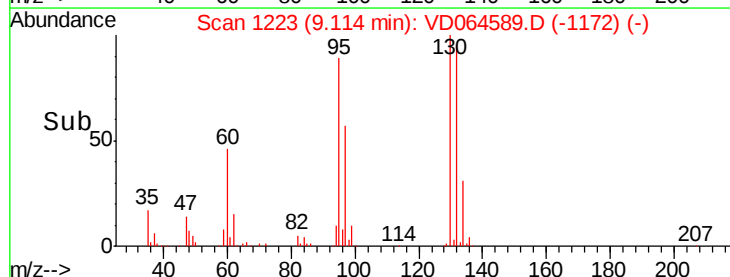
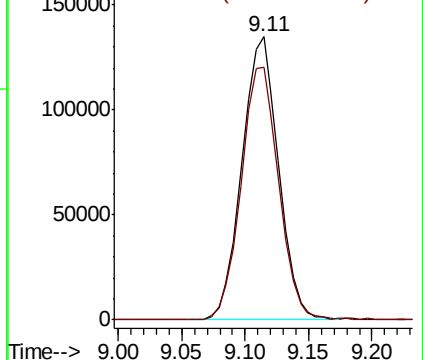
130 100

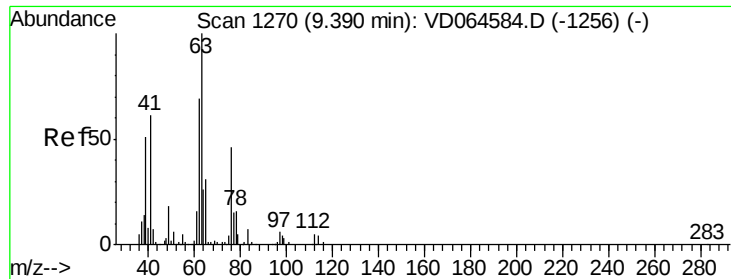
95 89.4 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.307 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

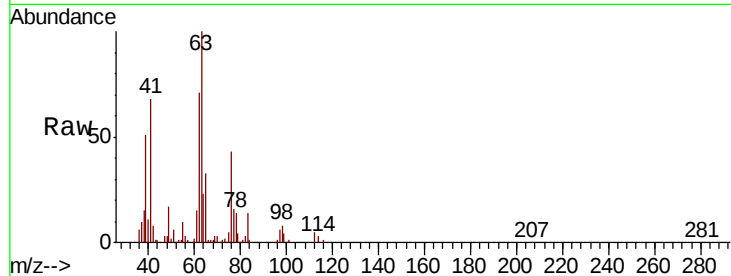
VSTDCCC050

Tot Ion: 63 Resp: 219964

Ion Ratio Lower Upper

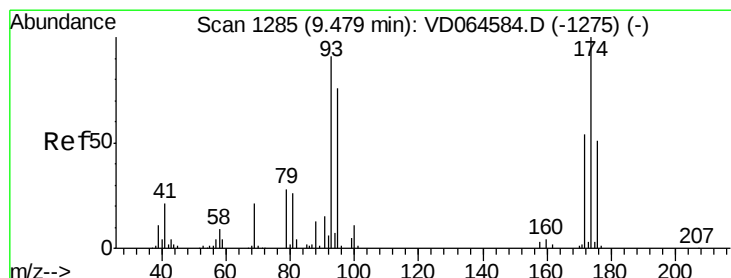
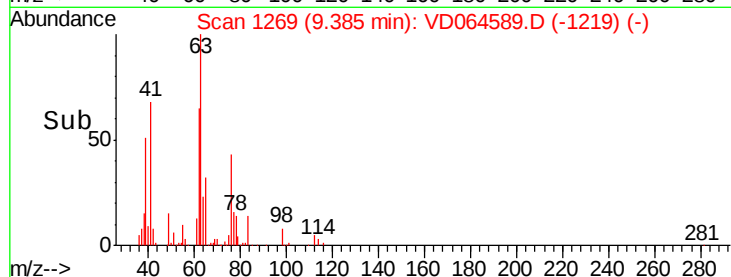
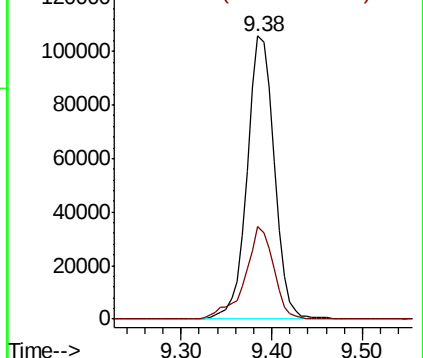
63 100

65 32.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.665 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

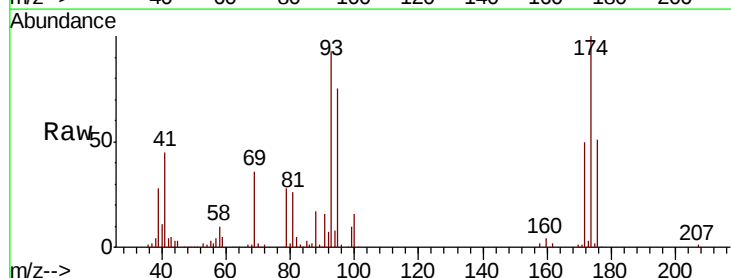
Tgt Ion: 93 Resp: 118634

Ion Ratio Lower Upper

93 100

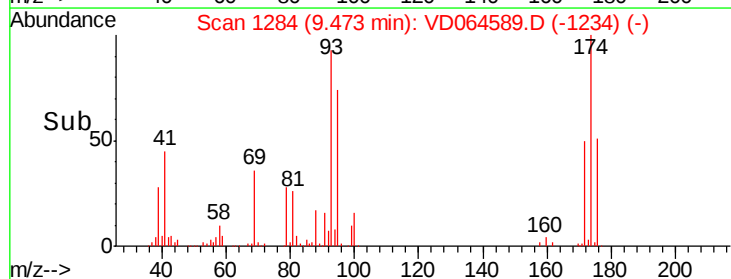
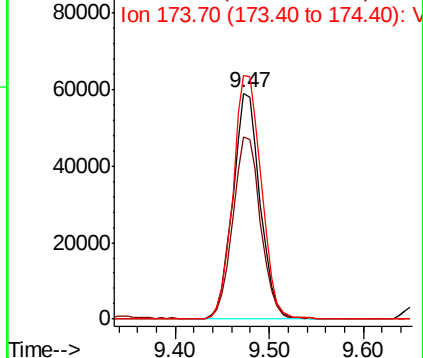
95 82.4 64.6 97.0

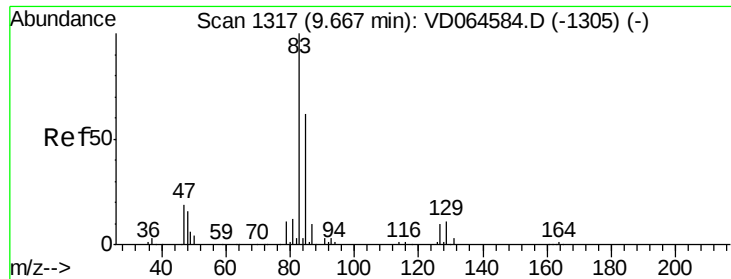
174 112.2 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC





#47

Bromodichloromethane

Concen: 49.557 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

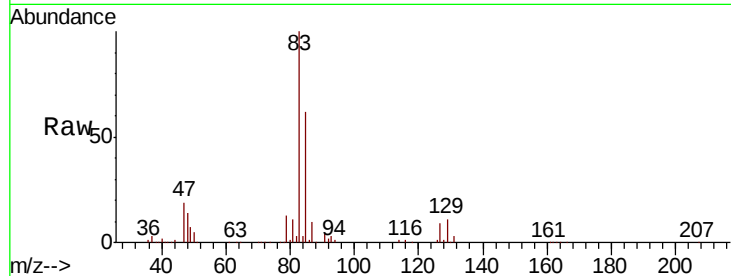
Tot Ion: 83 Resp: 321471

Ion Ratio Lower Upper

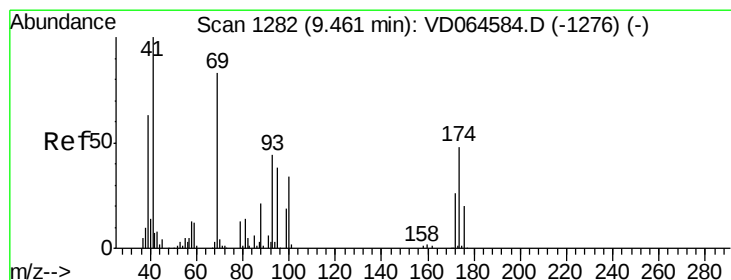
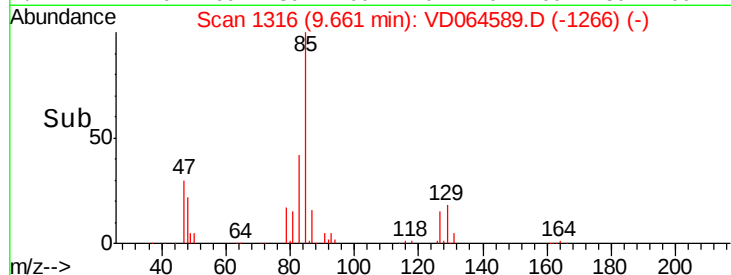
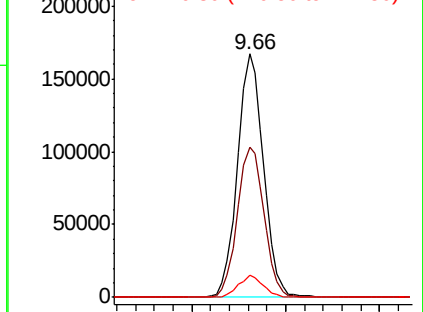
83 100

85 61.7 49.5 74.3

127 9.3 7.8 11.6



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



#48

Methyl methacrylate

Concen: 47.496 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

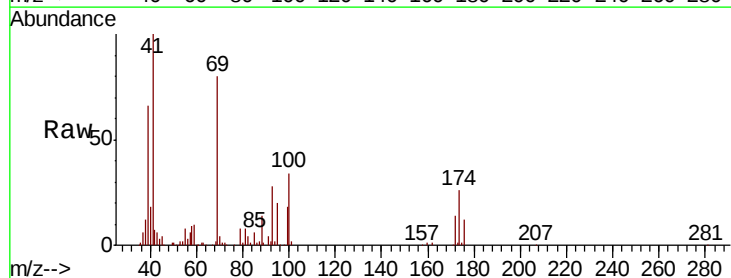
Tgt Ion: 41 Resp: 117308

Ion Ratio Lower Upper

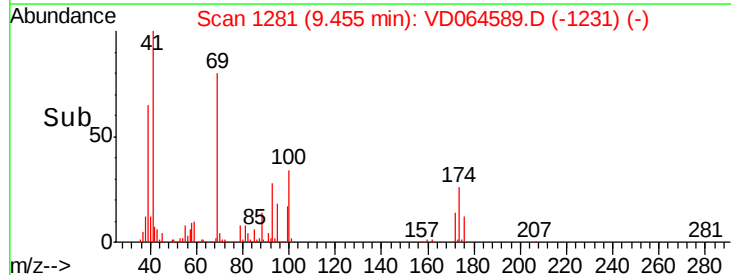
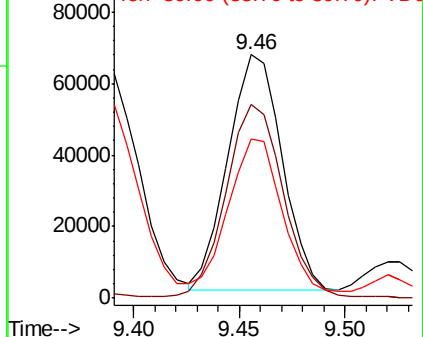
41 100

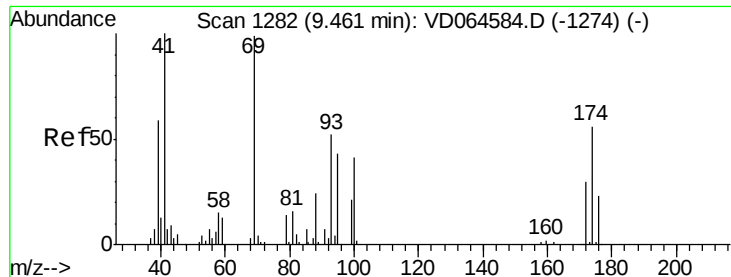
69 87.7 63.0 94.6

39 62.8 47.4 71.2



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





#49

1,4-Dioxane

Concen: 962.817 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

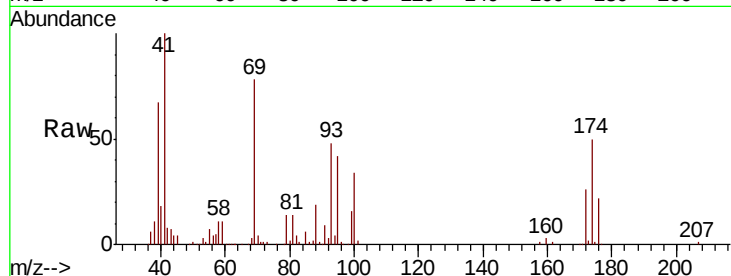
Tot Ion: 88 Resp: 27064

Ion Ratio Lower Upper

88 100

43 37.5 27.7 41.5

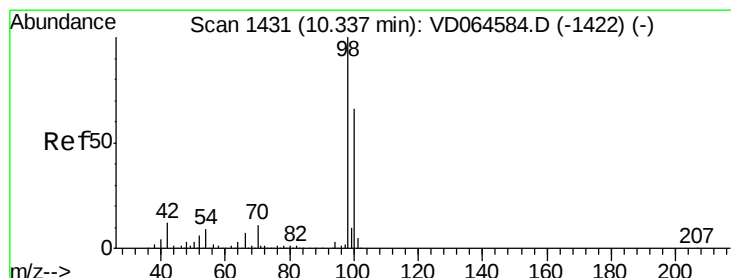
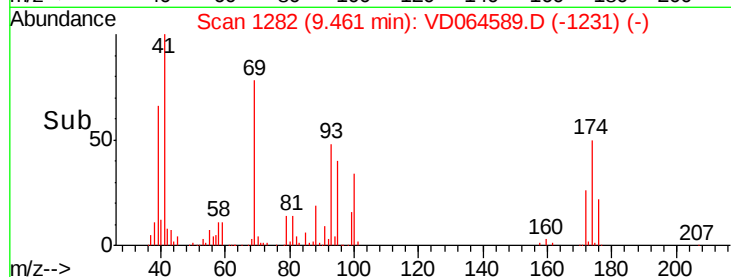
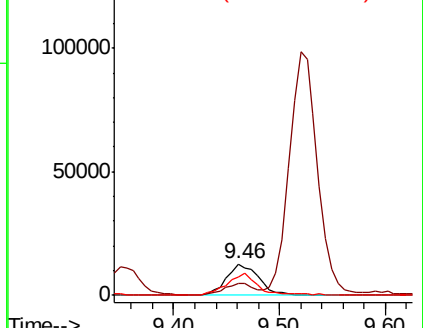
58 63.6 53.8 80.6



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: 49.353 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064589.D

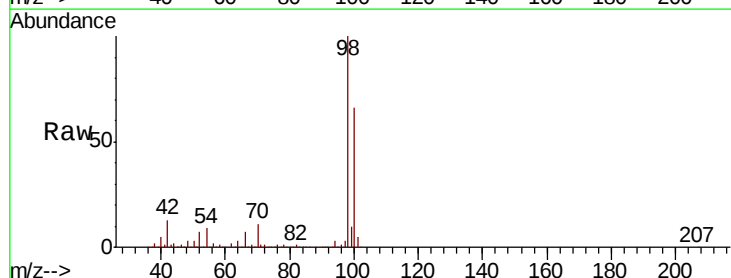
Acq: 26 Dec 2019 10:03

Tgt Ion: 98 Resp: 808230

Ion Ratio Lower Upper

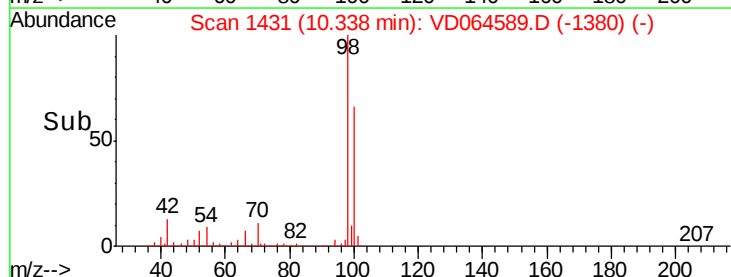
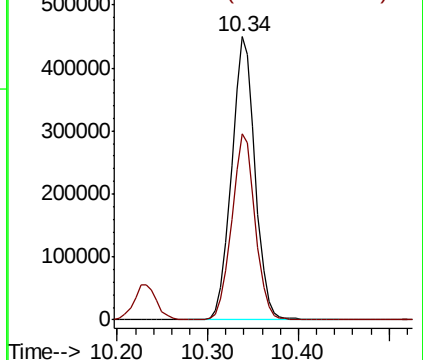
98 100

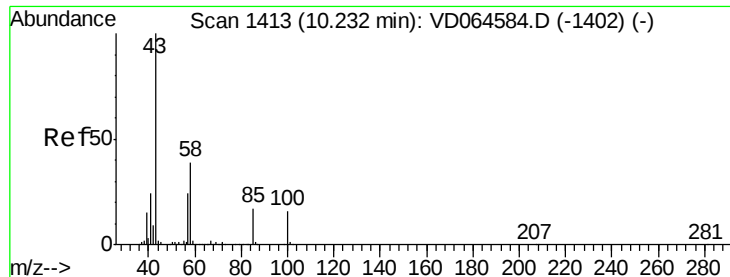
100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

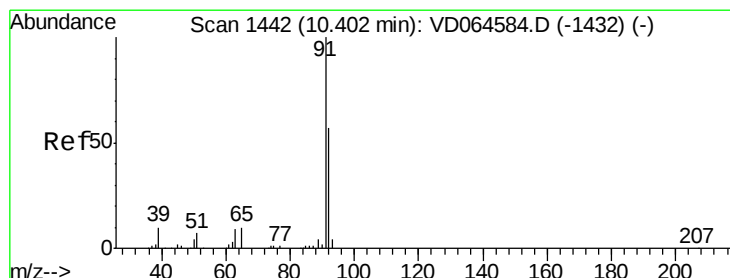
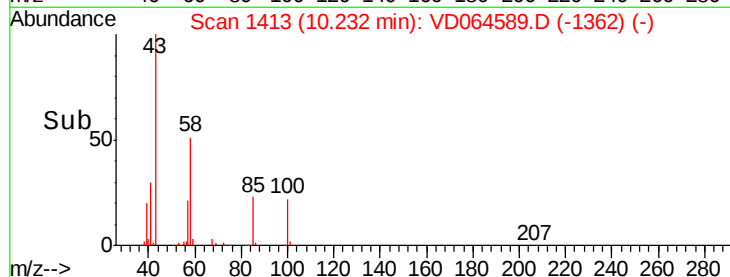
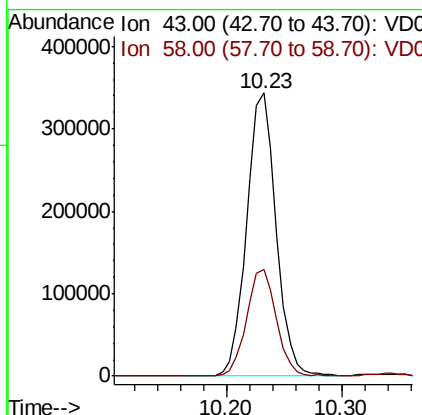
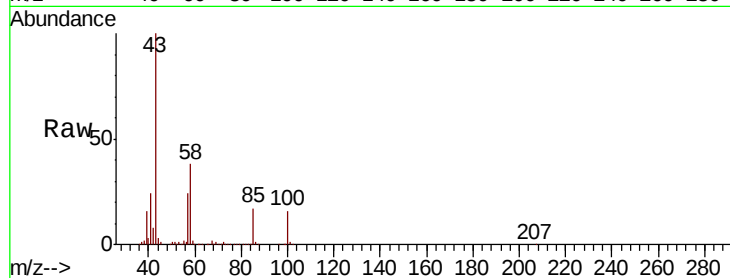




#51
4-Methyl-2-Pentanone
Concen: 235.389 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

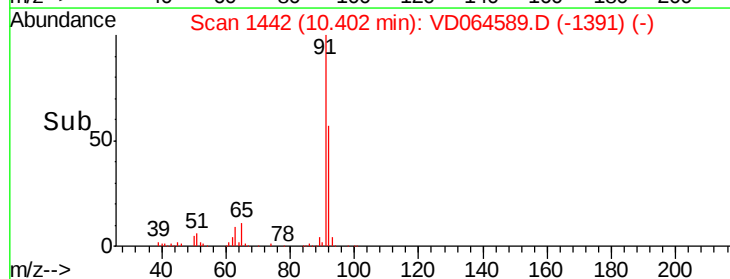
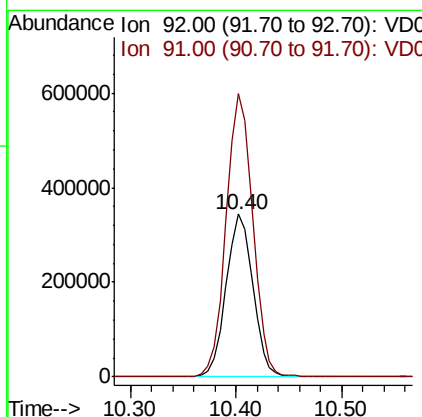
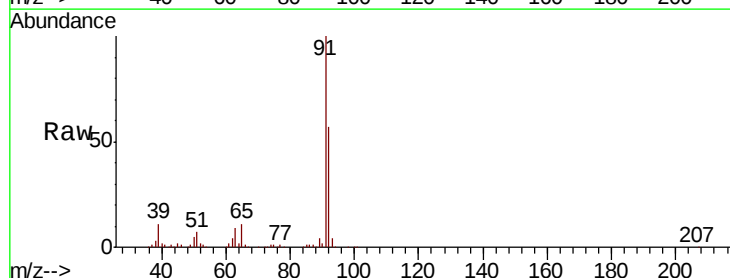
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

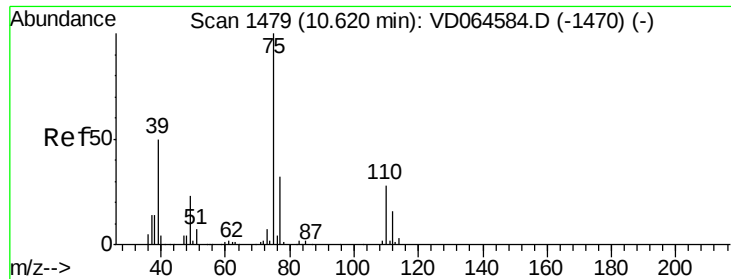
Tot Ion: 43 Resp: 610295
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2



#52
Toluene
Concen: 50.353 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 92 Resp: 604973
Ion Ratio Lower Upper
92 100
91 172.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 50.094 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

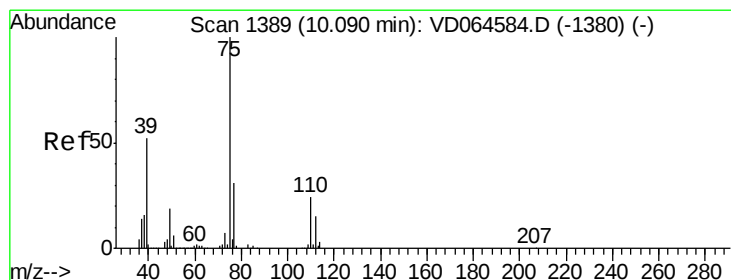
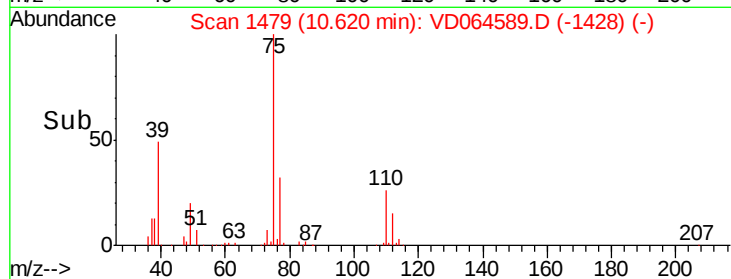
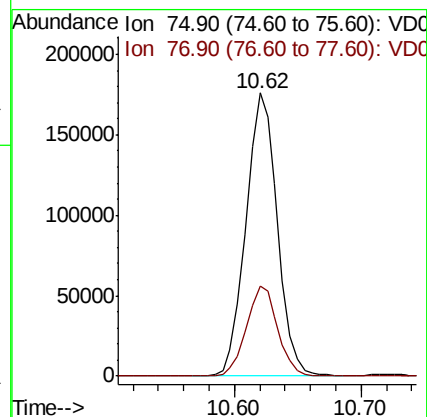
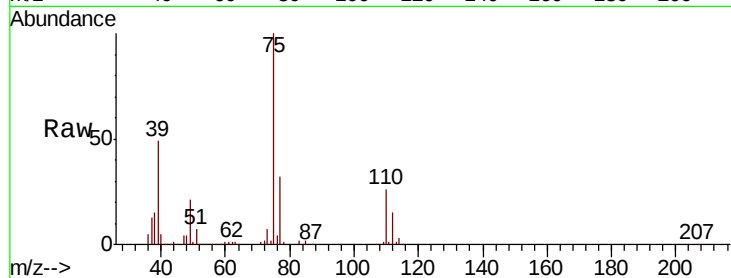
VSTDCCC050

Tot Ion: 75 Resp: 302957

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.587 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

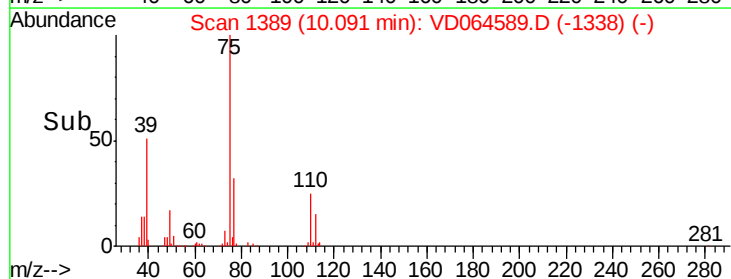
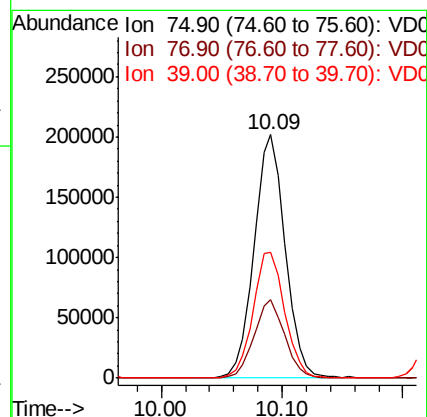
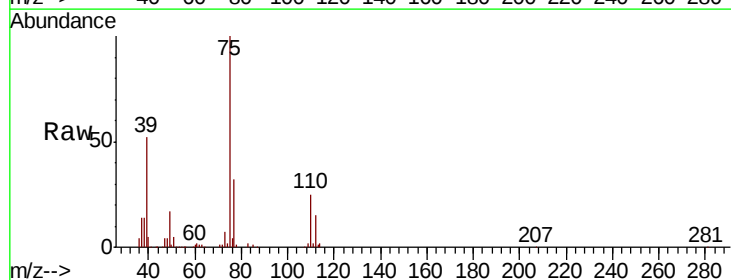
Tgt Ion: 75 Resp: 360749

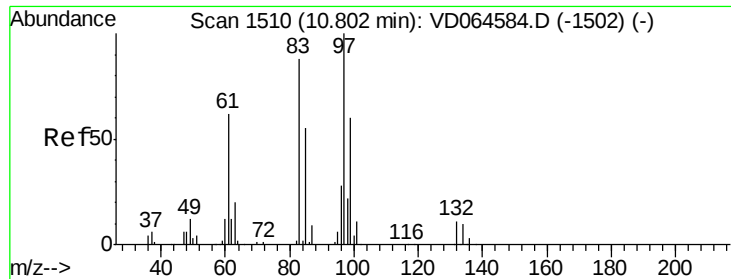
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 51.4 41.4 62.2

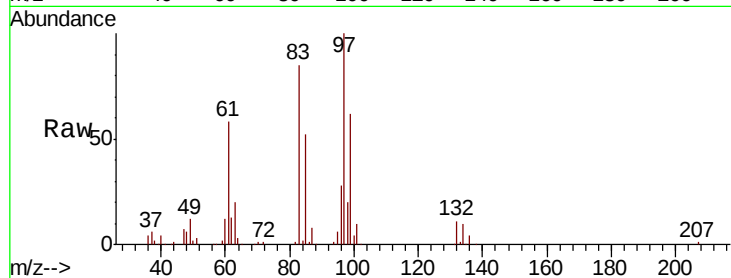




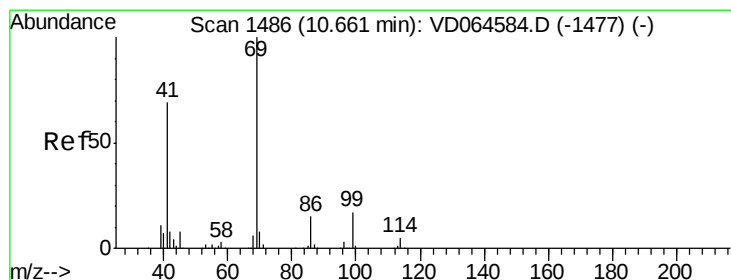
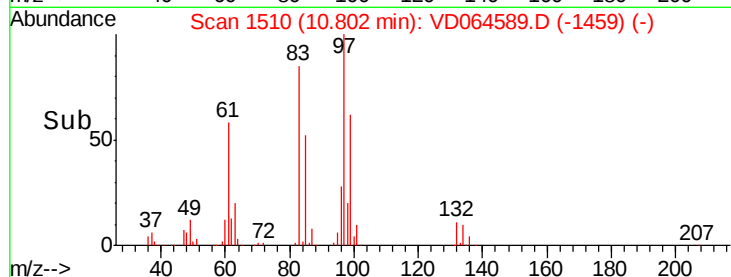
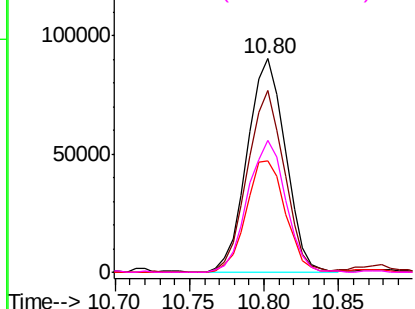
#55
 1,1,2-Trichloroethane
 Concen: 48.926 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 160736
 Ion Ratio Lower Upper
 97 100
 83 84.9 70.2 105.4
 85 52.0 44.0 66.0
 99 61.8 47.8 71.6

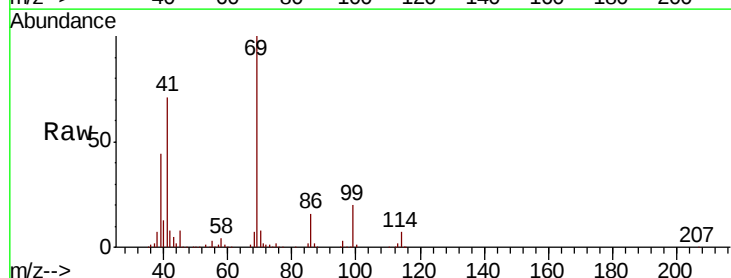


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

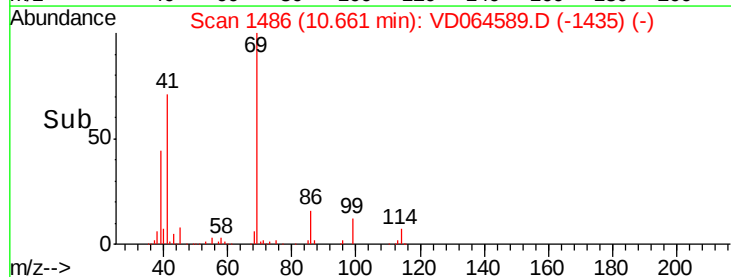
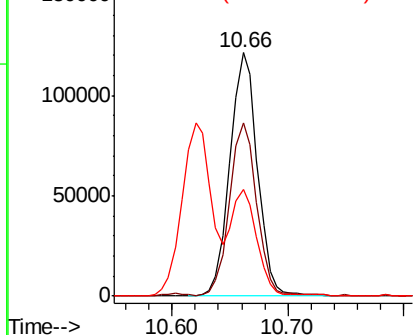


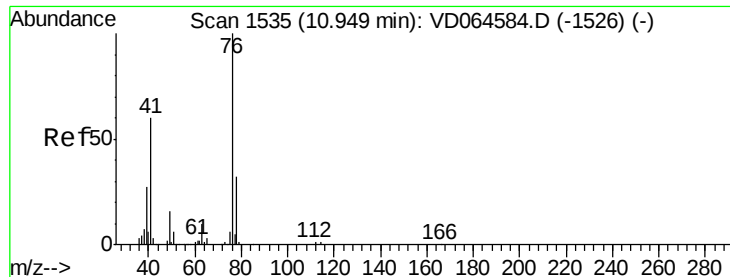
#56
 Ethyl methacrylate
 Concen: 48.886 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 69 Resp: 200577
 Ion Ratio Lower Upper
 69 100
 41 69.4 55.3 82.9
 39 41.5 33.8 50.8



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

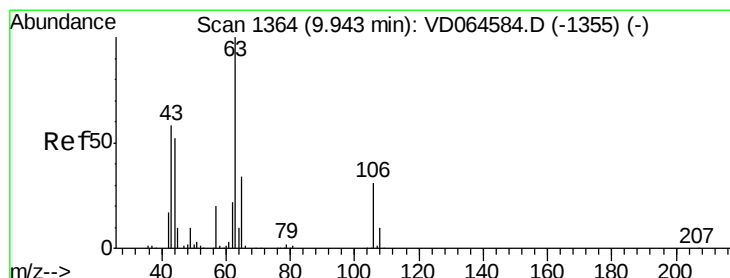
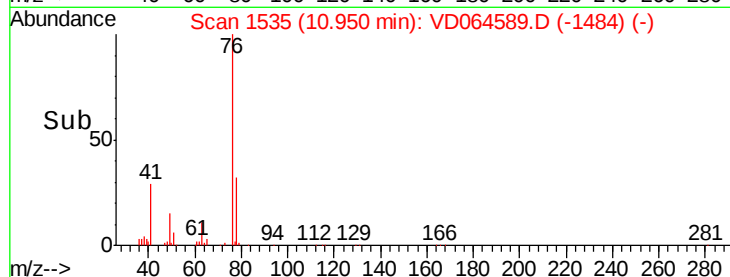
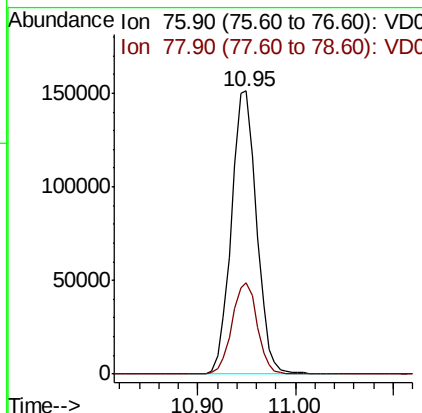
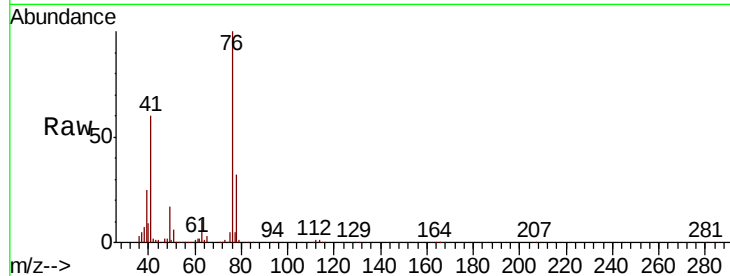




#57
 1,3-Dichloropropane
 Concen: 48.055 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

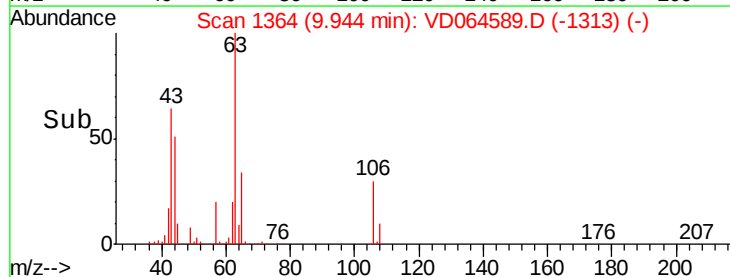
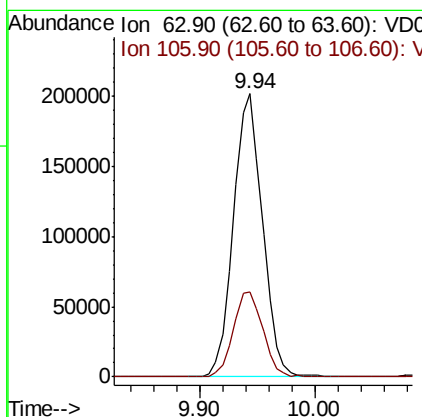
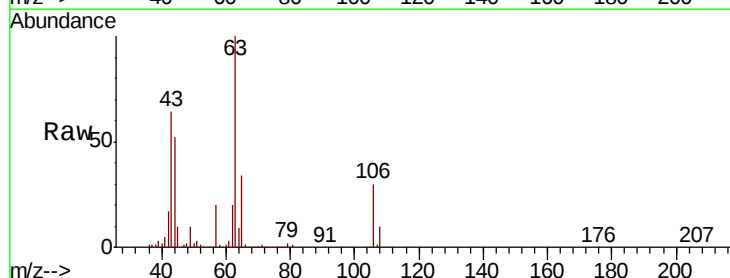
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

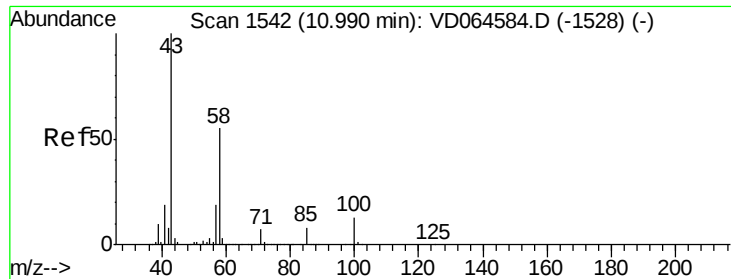
Tot Ion: 76 Resp: 271833
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.894 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 63 Resp: 351551
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.8 35.8

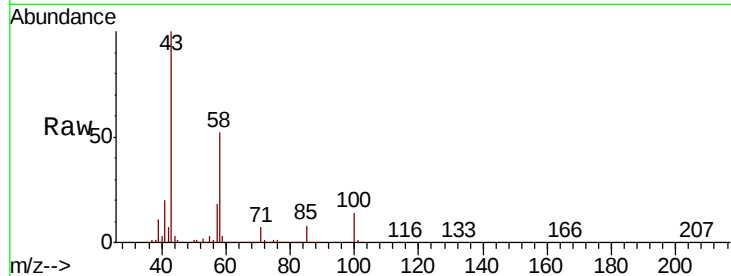




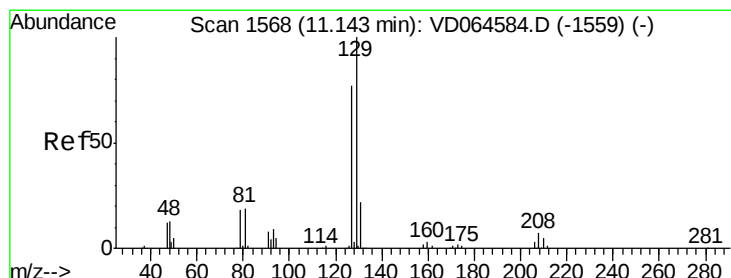
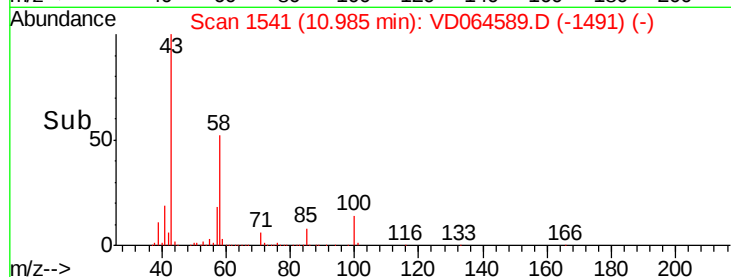
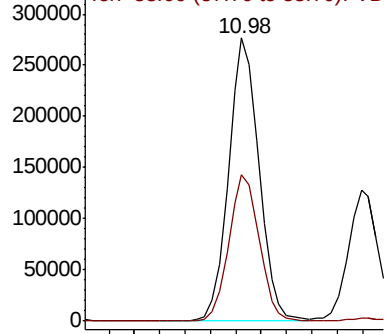
#59
2-Hexanone
Concen: 262.463 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 461862
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

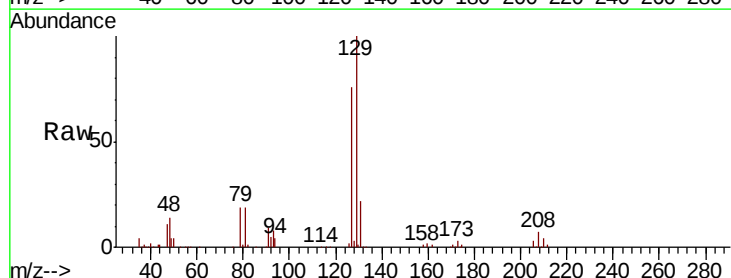


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

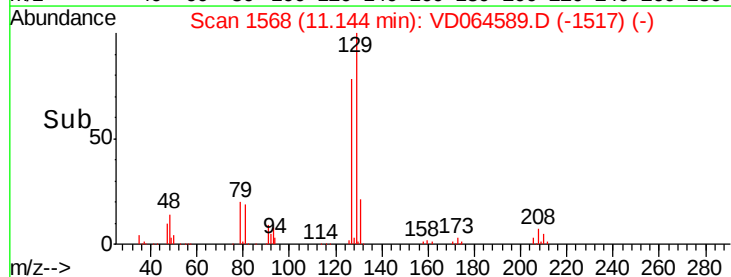
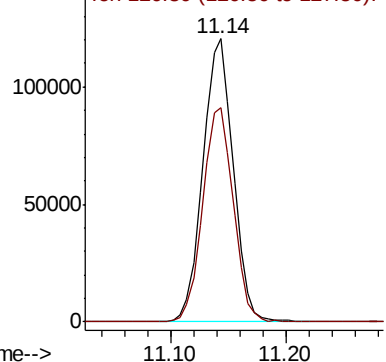


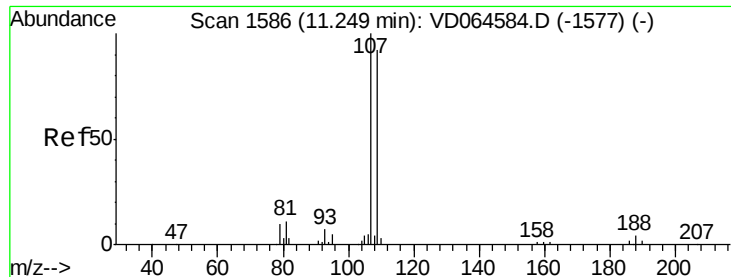
#60
Dibromochloromethane
Concen: 48.147 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 129 Resp: 218738
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

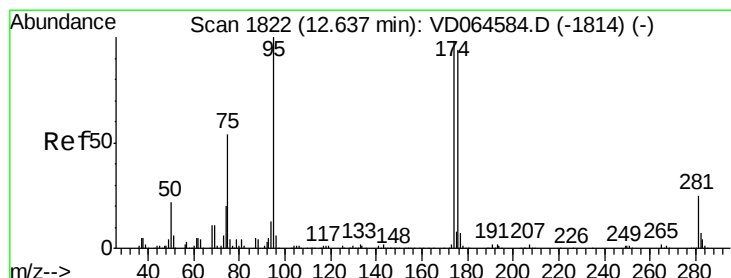
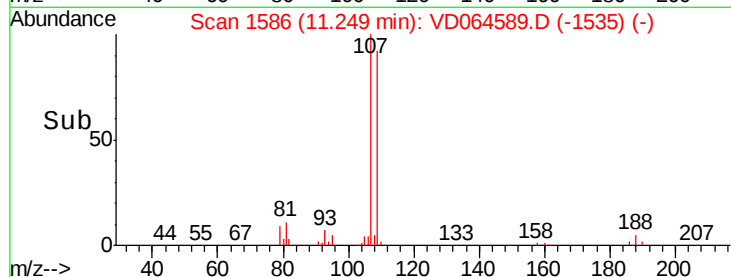
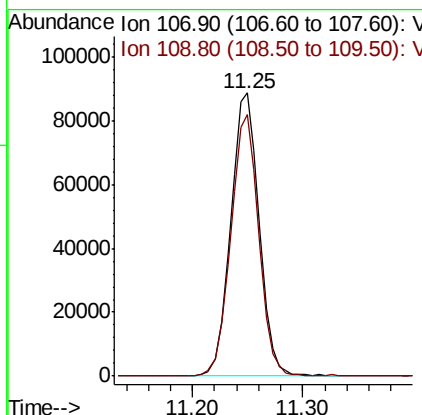
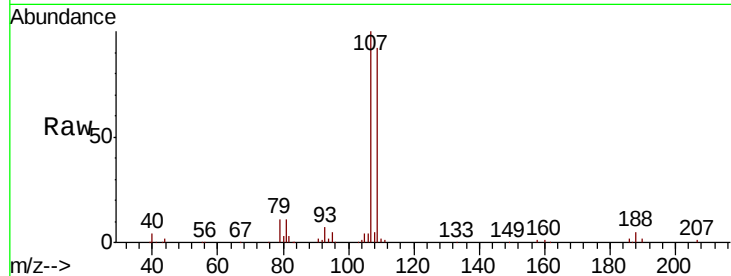




#61
 1,2-Dibromoethane
 Concen: 49.185 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

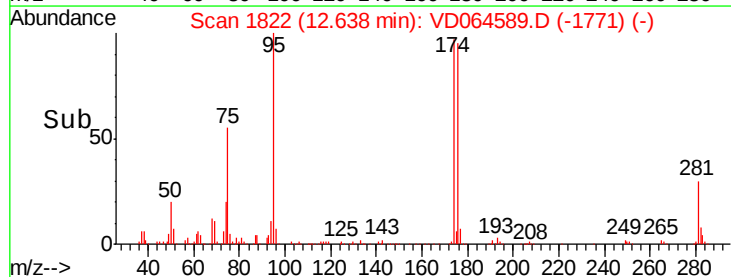
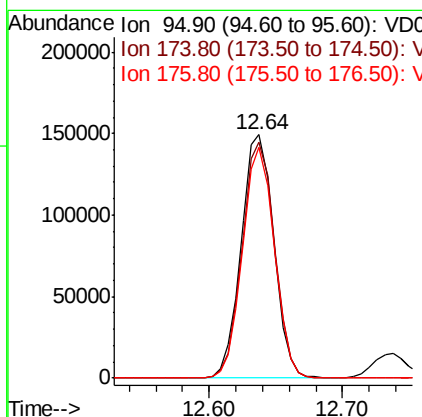
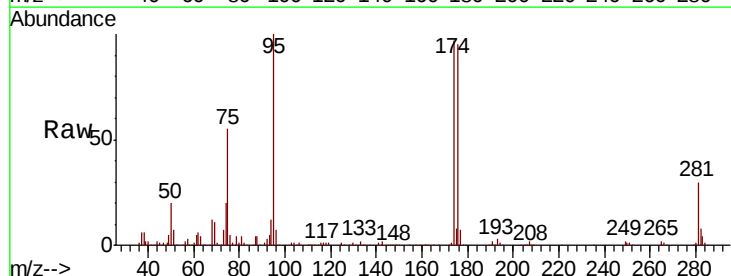
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

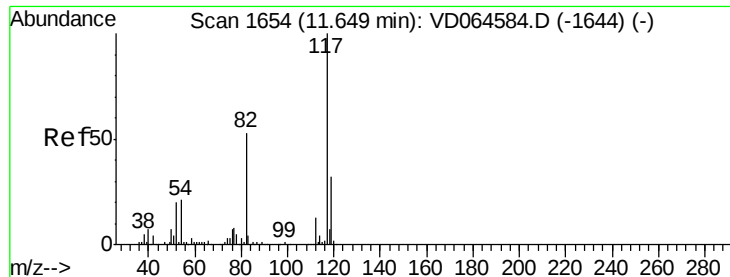
Tot Ion:107 Resp: 159376
 Ion Ratio Lower Upper
 107 100
 109 91.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.566 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion: 95 Resp: 251496
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 193.2
 176 92.8 0.0 184.2

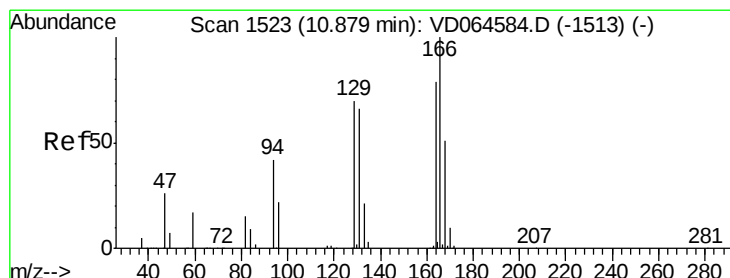
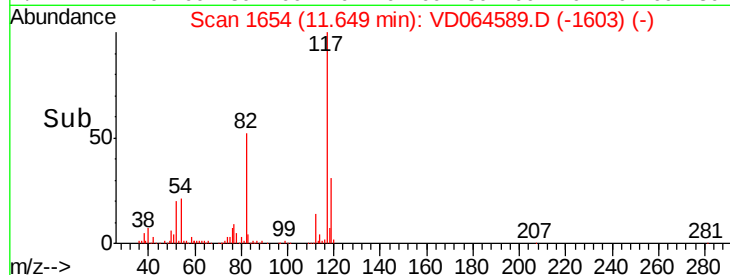
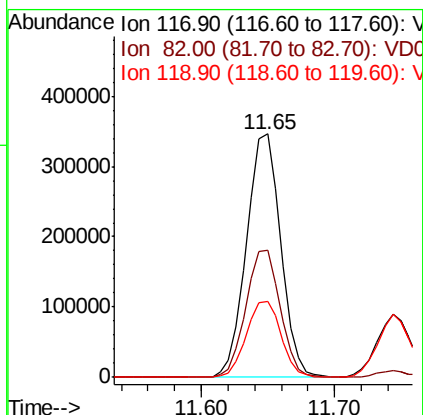
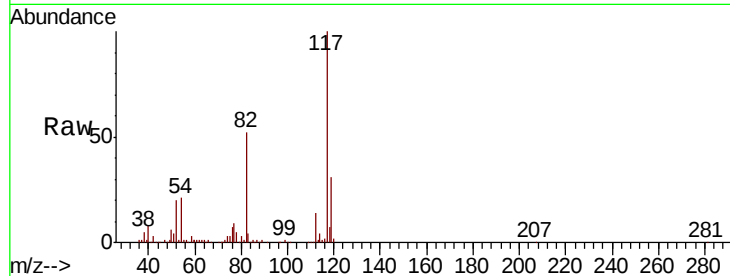




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

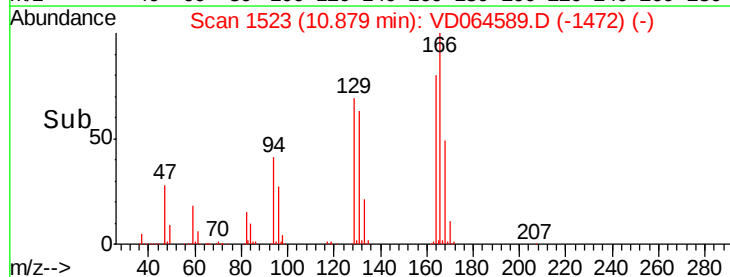
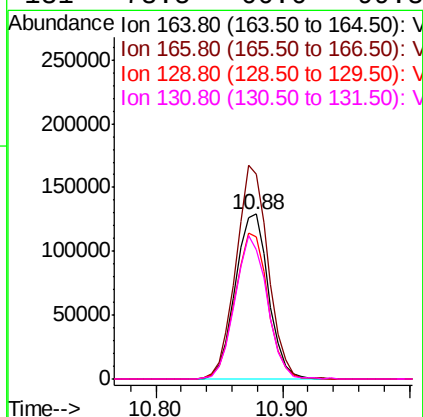
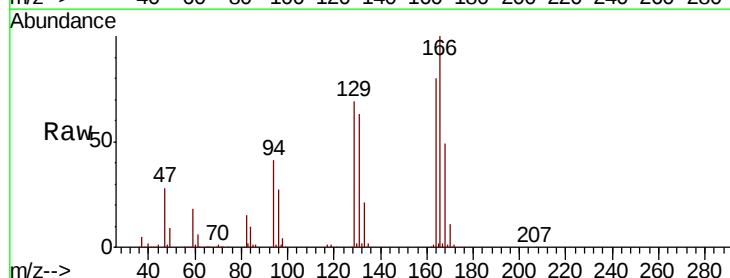
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

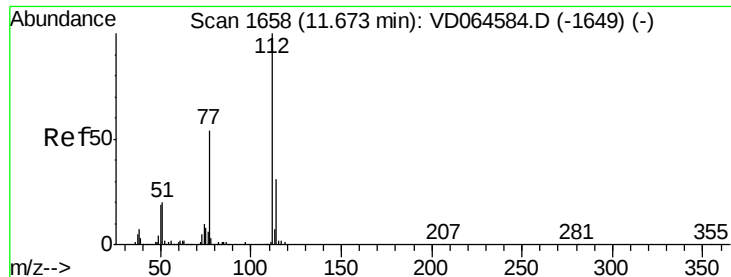
Tot Ion:117 Resp: 611988
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 31.3 26.0 39.0



#64
Tetrachloroethene
Concen: 49.913 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion:164 Resp: 234345
Ion Ratio Lower Upper
164 100
166 124.3 101.3 151.9
129 86.0 70.5 105.7
131 78.5 66.6 99.8

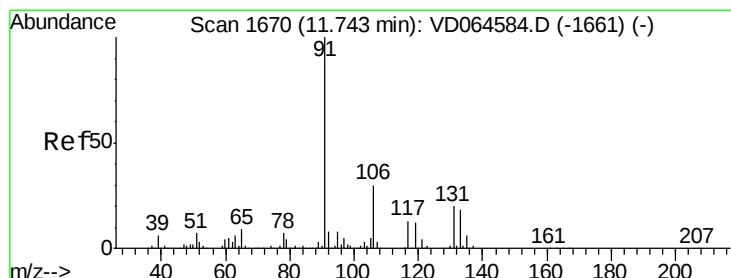
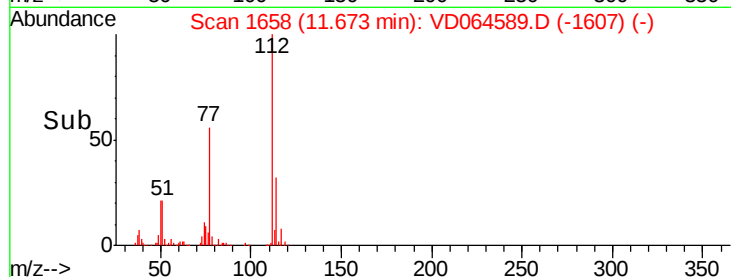
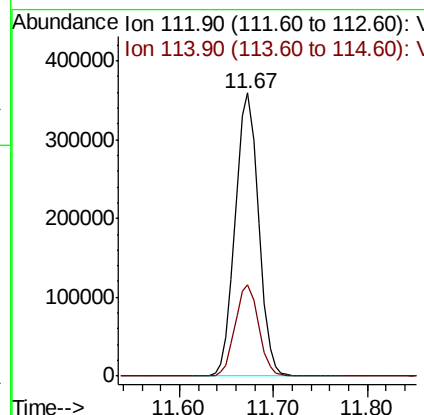
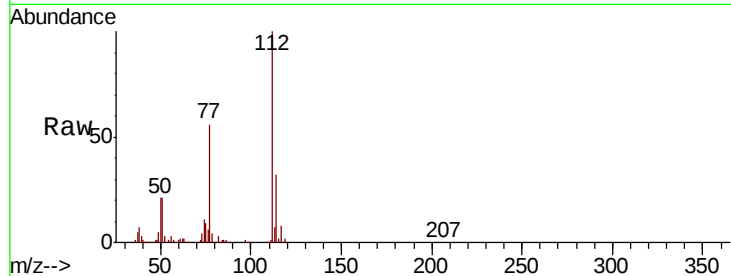




#65
Chlorobenzene
Concen: 49.006 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

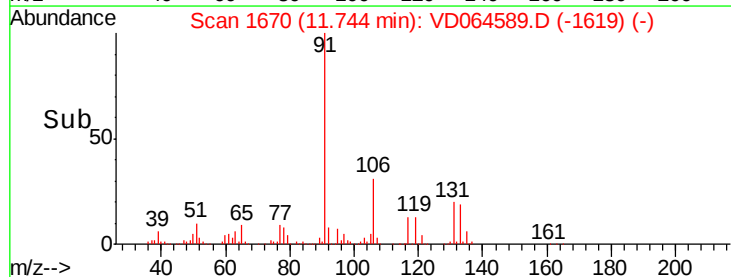
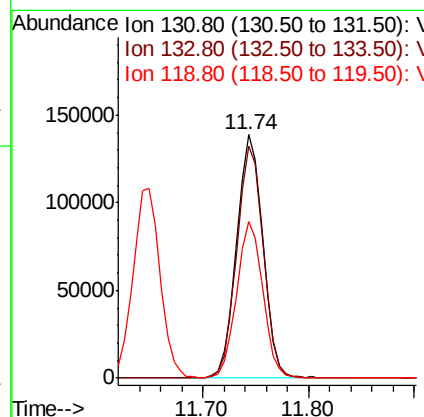
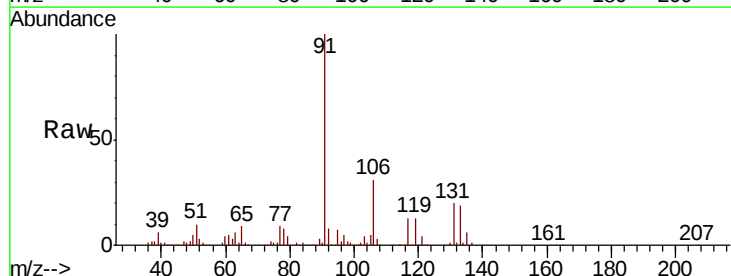
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

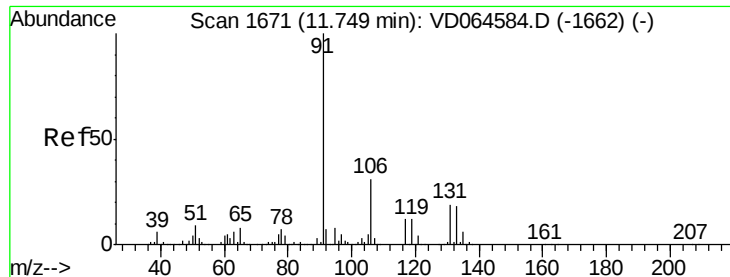
Tot Ion:112 Resp: 622462
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.613 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion:131 Resp: 237564
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.3 32.1 96.3

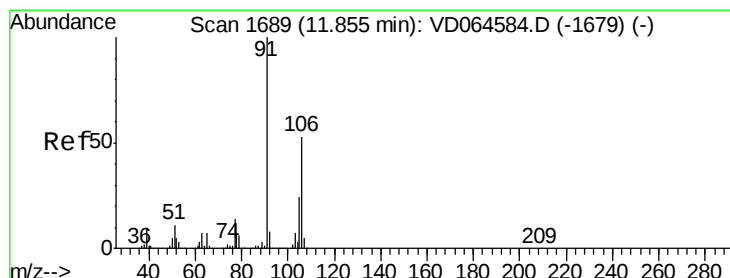
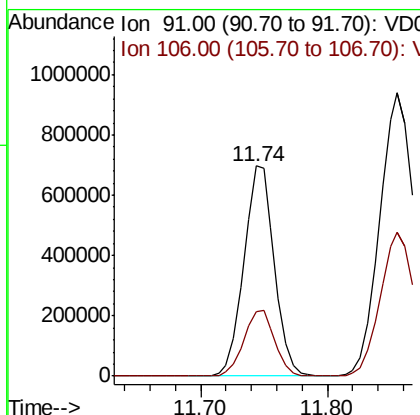
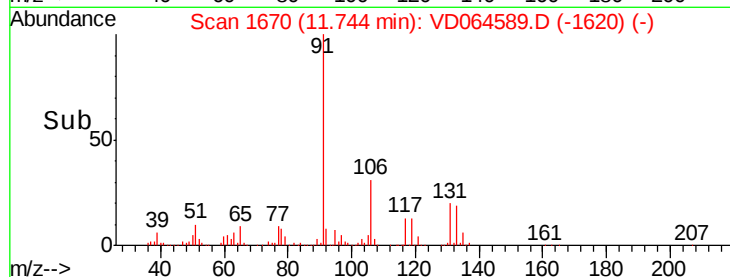
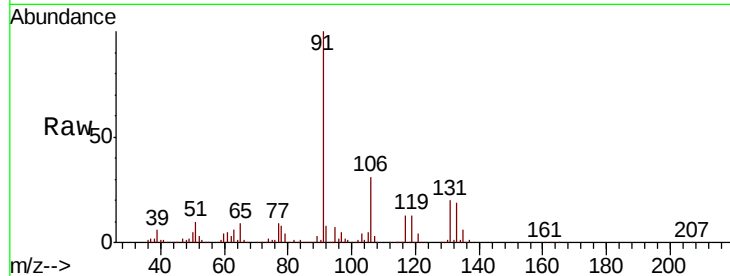




#67
Ethyl Benzene
Concen: 50.465 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

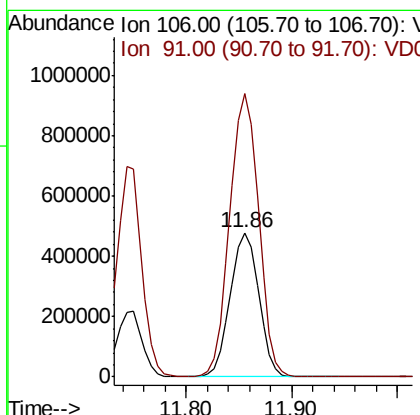
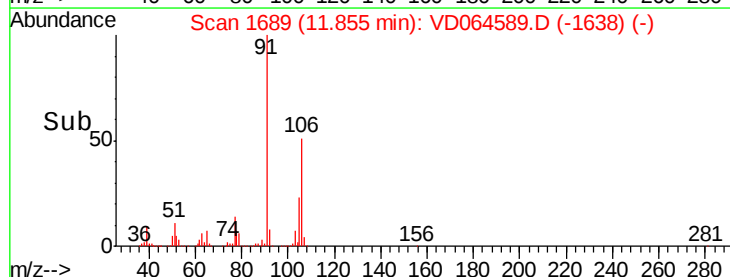
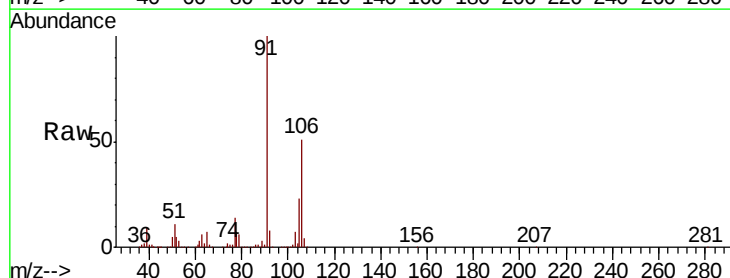
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

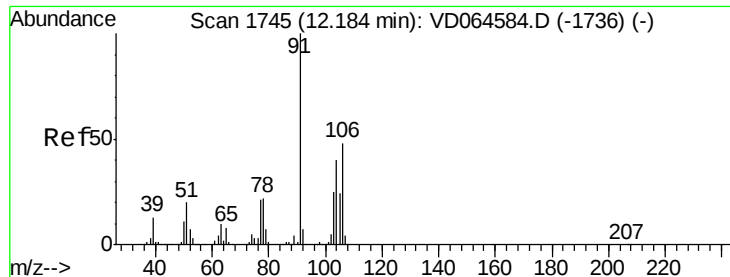
Tot Ion: 91 Resp: 1163430
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 100.823 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 106 Resp: 897173
Ion Ratio Lower Upper
106 100
91 198.7 156.3 234.5

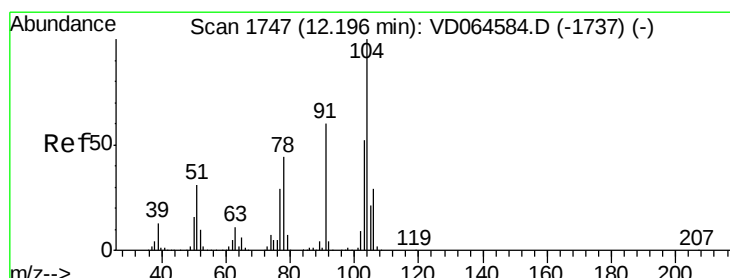
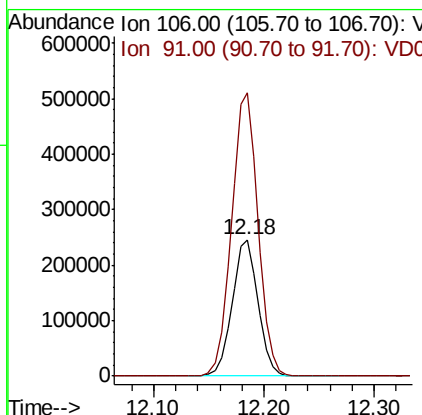
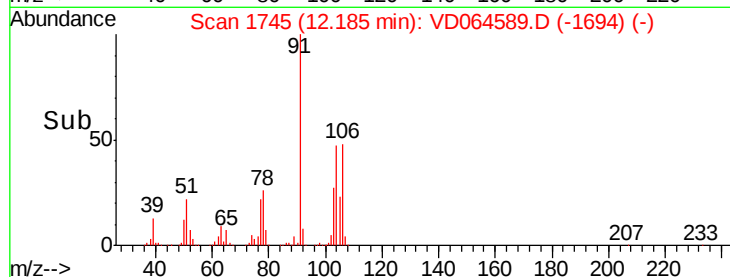
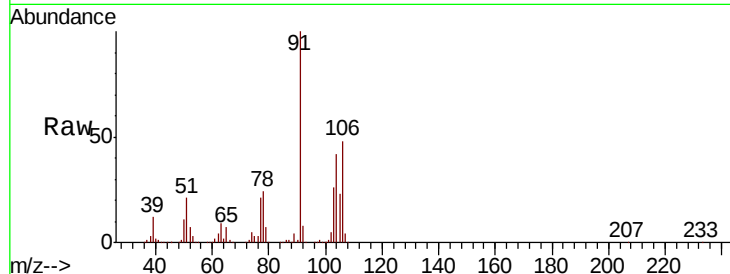




#69
o-Xylene
Concen: 50.070 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

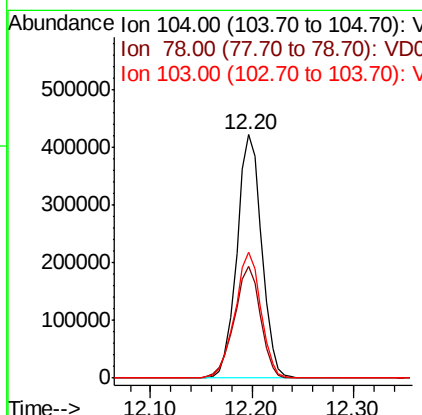
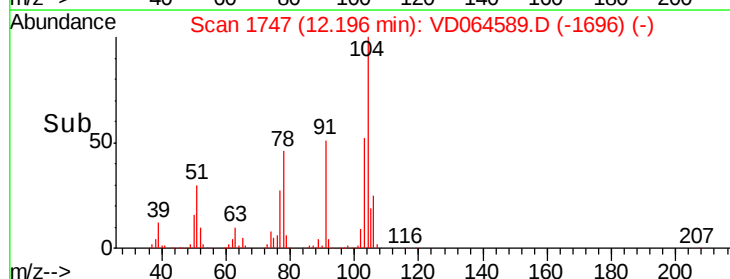
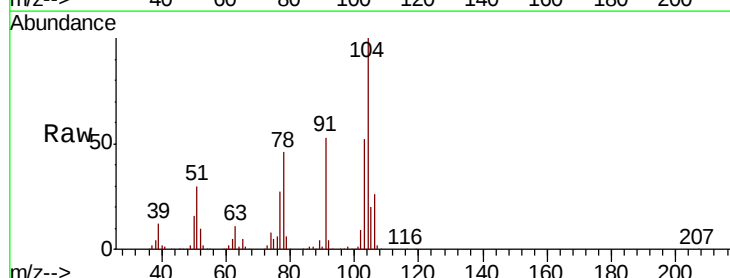
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

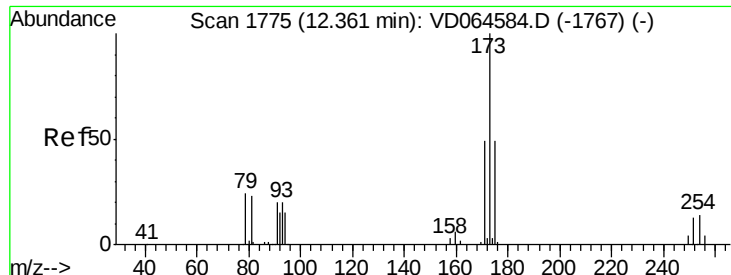
Tot Ion:106 Resp: 402442
Ion Ratio Lower Upper
106 100
91 212.8 104.8 314.4



#70
Styrene
Concen: 50.369 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion:104 Resp: 710616
Ion Ratio Lower Upper
104 100
78 49.0 38.2 57.2
103 54.3 44.6 67.0





#71

Bromoform

Concen: 47.881 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

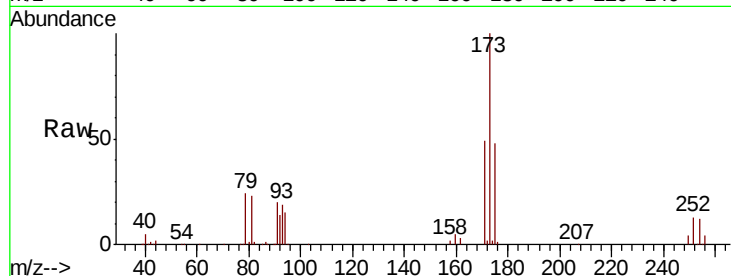
Tot Ion:173 Resp: 130747

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.8

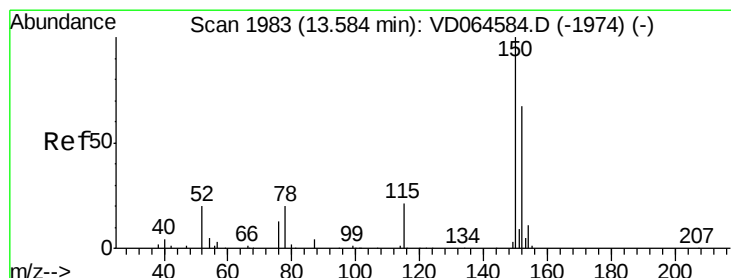
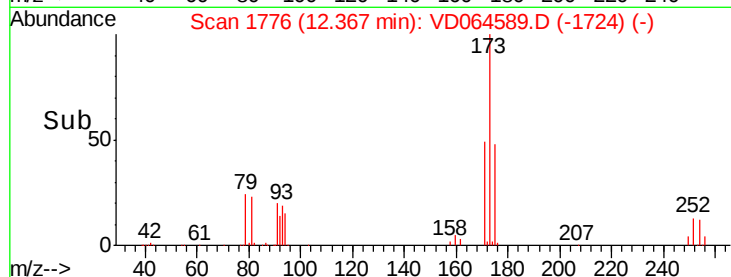
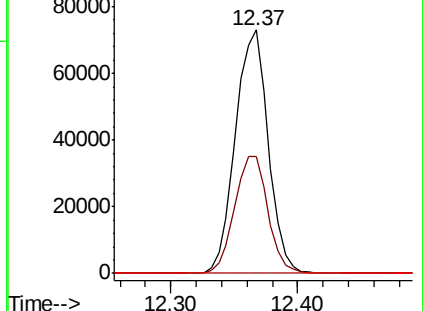
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

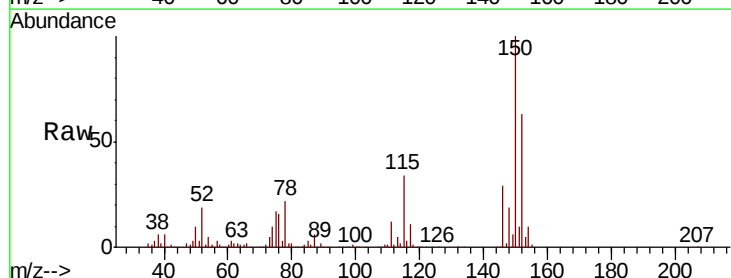
Tgt Ion:152 Resp: 296605

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.4

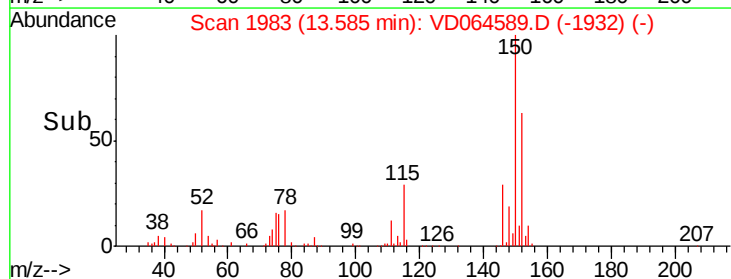
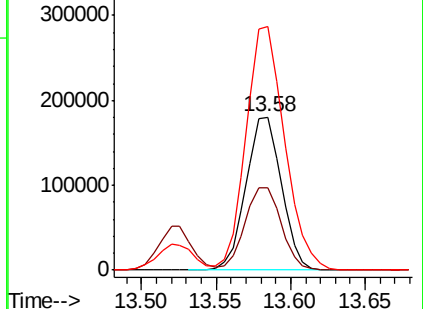
150 173.1 0.0 351.4

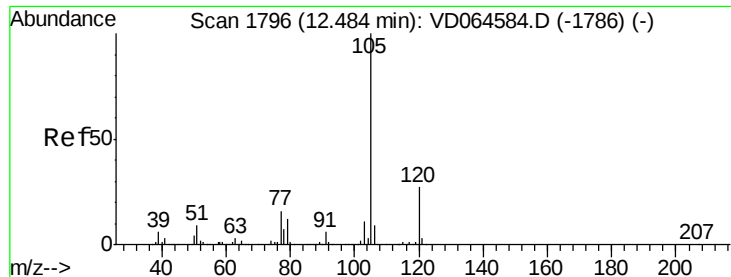


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

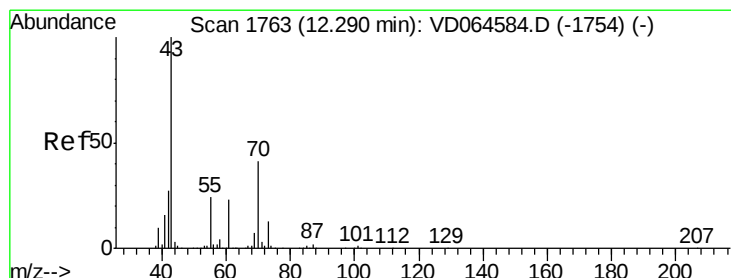
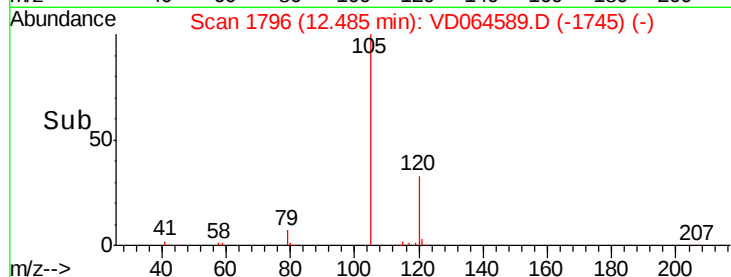
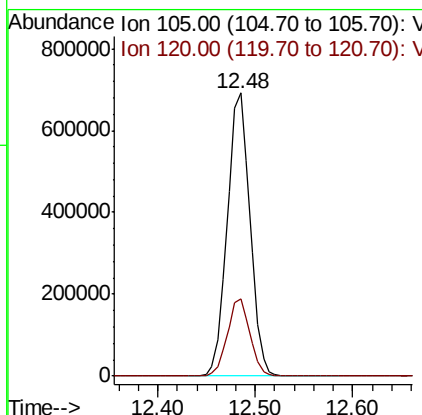
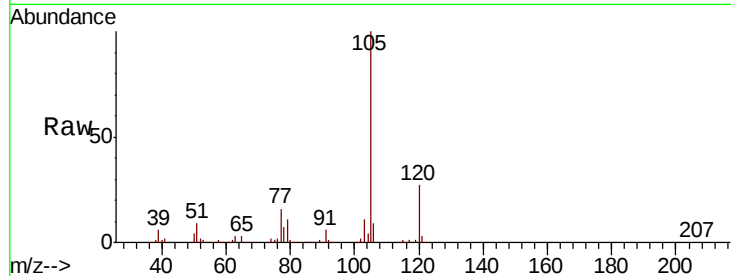




#73
Isopropylbenzene
Concen: 52.706 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

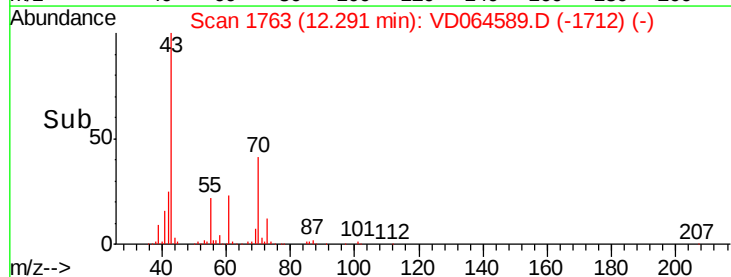
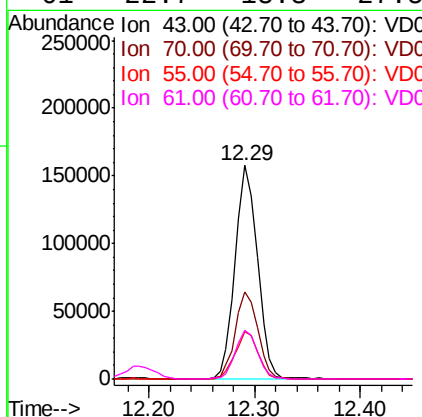
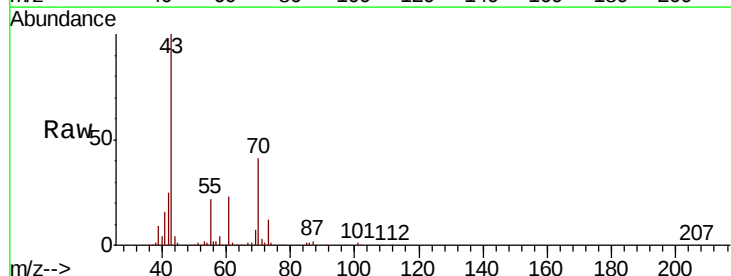
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

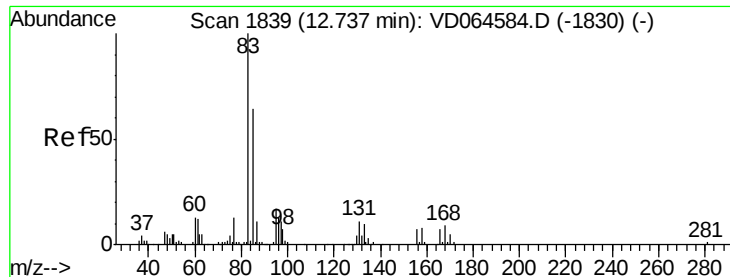
Tot Ion:105 Resp: 1117155
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5



#74
N-ethyl acetate
Concen: 51.028 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 43 Resp: 231205
Ion Ratio Lower Upper
43 100
70 41.0 33.4 50.0
55 22.8 19.4 29.0
61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.956 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

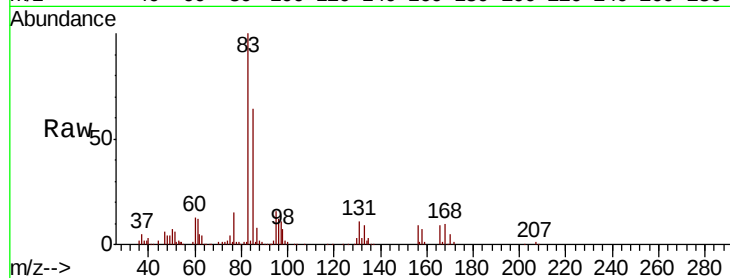
Tot Ion: 83 Resp: 163010

Ion Ratio Lower Upper

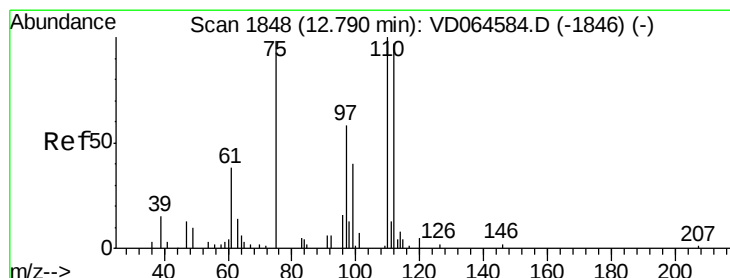
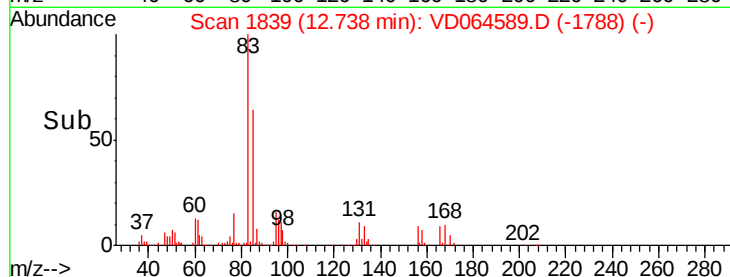
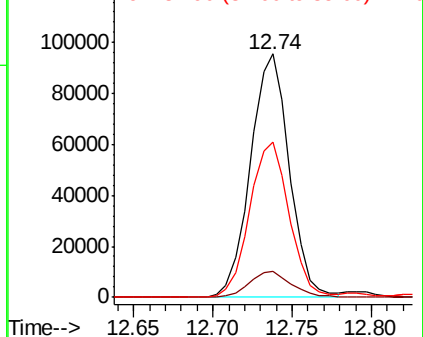
83 100

131 11.4 5.8 17.4

85 64.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 94.071 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064589.D

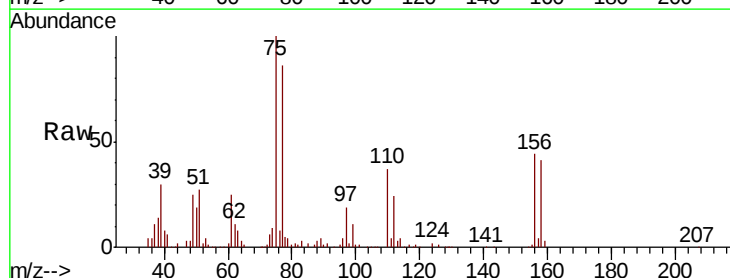
Acq: 26 Dec 2019 10:03

Tgt Ion: 75 Resp: 220332

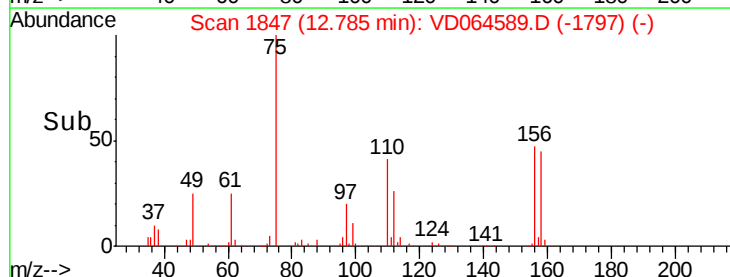
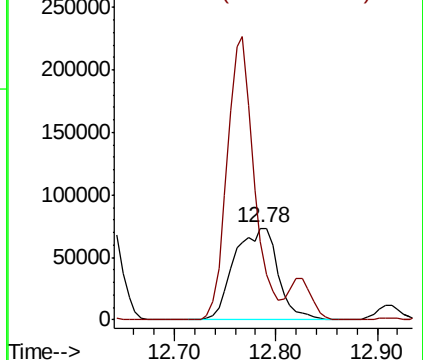
Ion Ratio Lower Upper

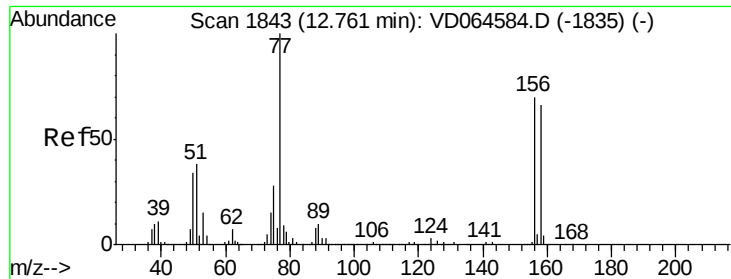
75 100

77 189.5 0.0 0.0#



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





#77

Bromobenzene

Concen: 50.215 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

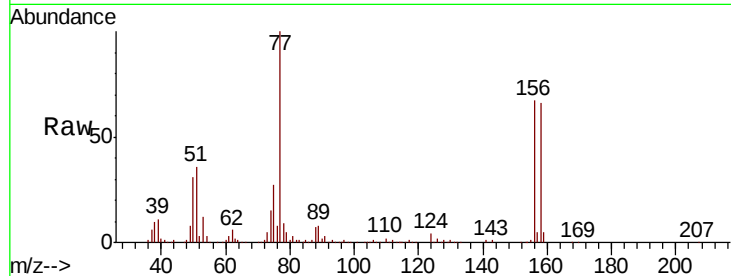
Tot Ion:156 Resp: 261528

Ion Ratio Lower Upper

156 100

77 159.7 80.9 242.7

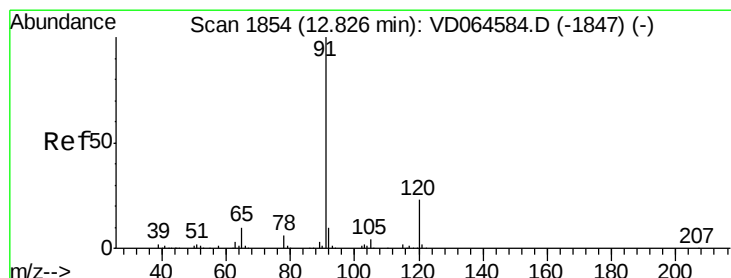
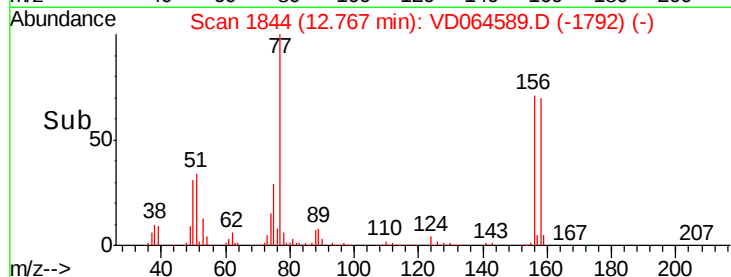
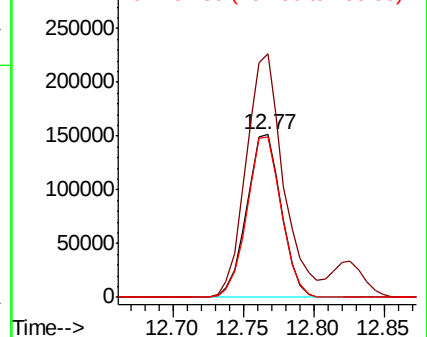
158 97.7 48.0 144.2



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: 52.542 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064589.D

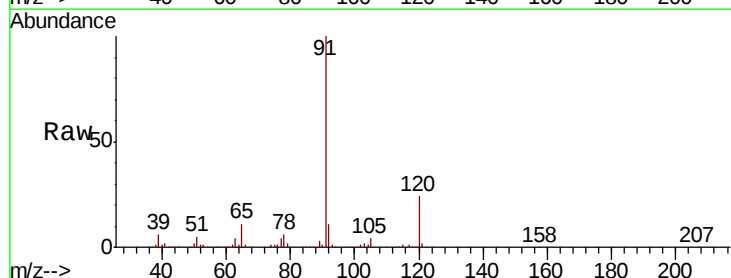
Acq: 26 Dec 2019 10:03

Tgt Ion: 91 Resp: 1299262

Ion Ratio Lower Upper

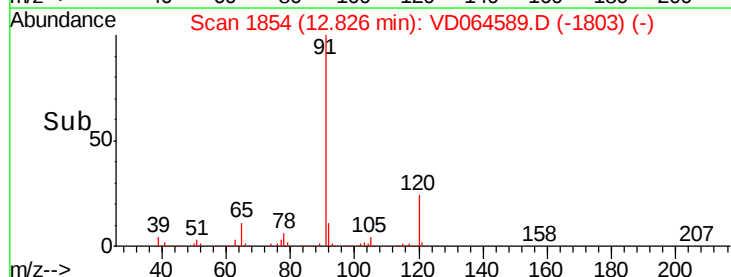
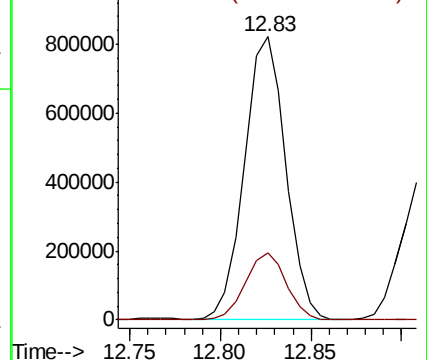
91 100

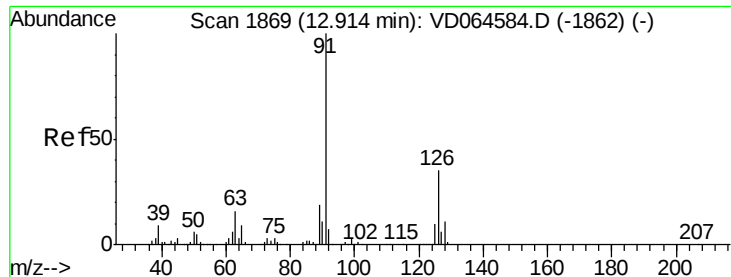
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.110 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

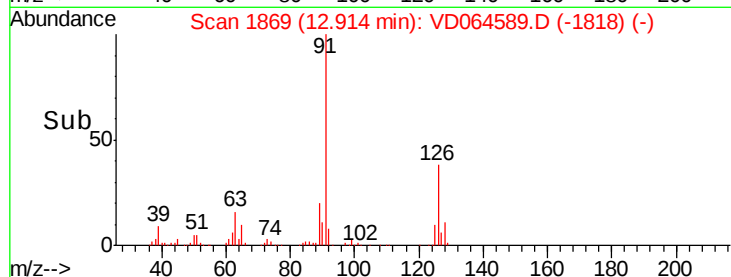
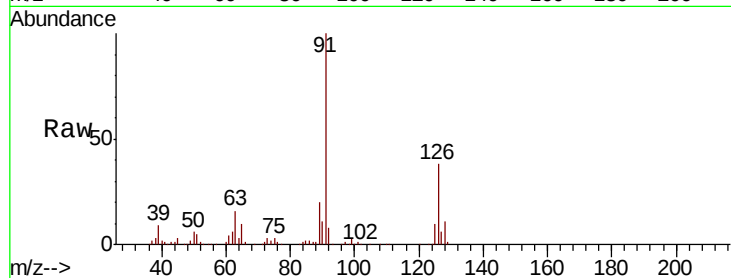
VSTDCCC050

Tot Ion: 91 Resp: 694281

Ion Ratio Lower Upper

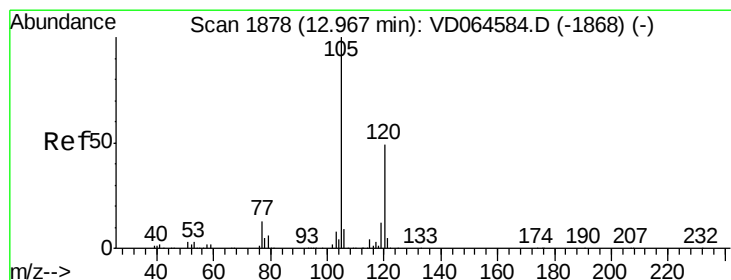
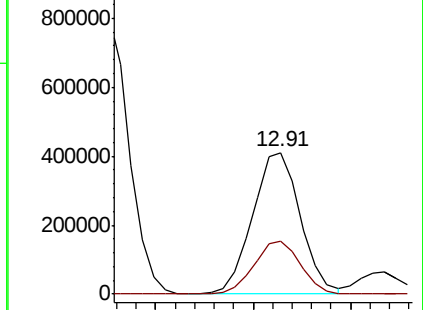
91 100

126 36.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.918 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064589.D

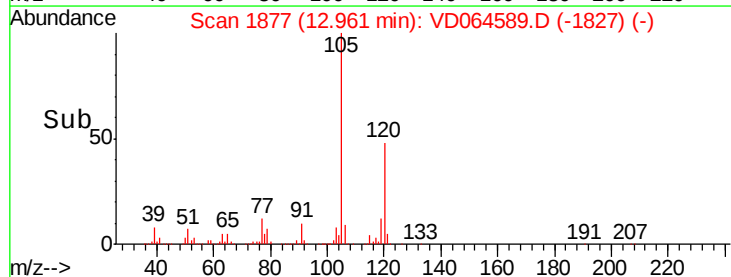
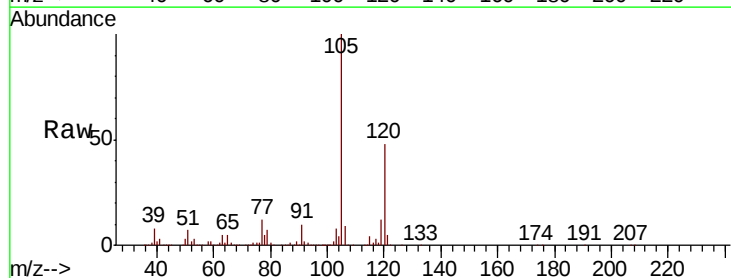
Acq: 26 Dec 2019 10:03

Tgt Ion:105 Resp: 921387

Ion Ratio Lower Upper

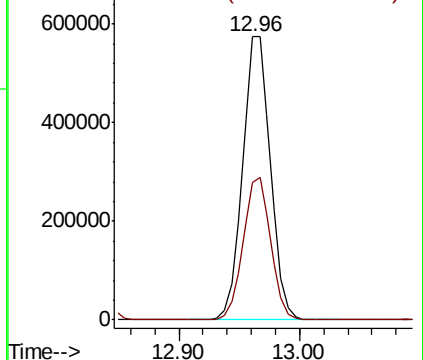
105 100

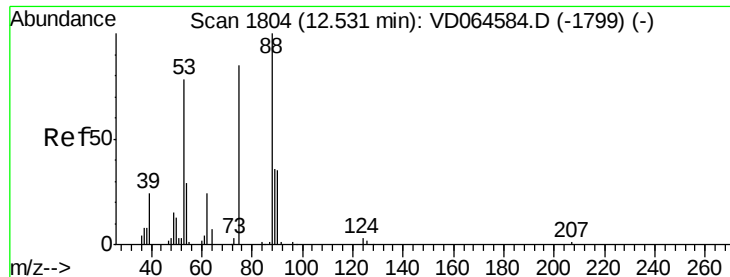
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.617 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

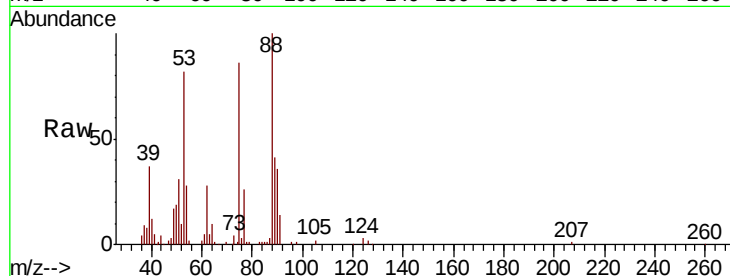
Tot Ion: 75 Resp: 57804

Ion Ratio Lower Upper

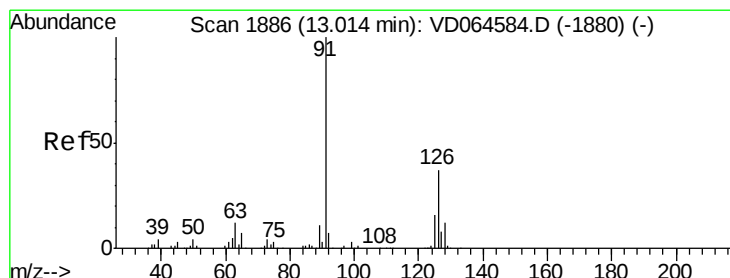
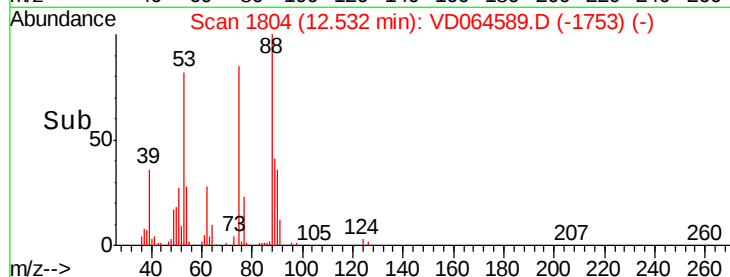
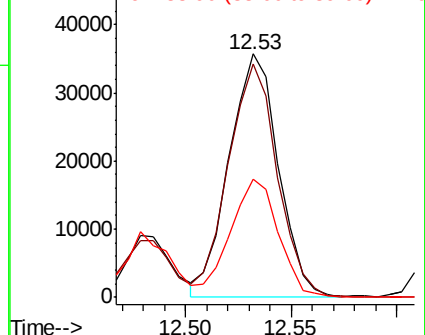
75 100

53 95.7 78.8 118.2

89 47.6 38.3 57.5



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: 51.541 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064589.D

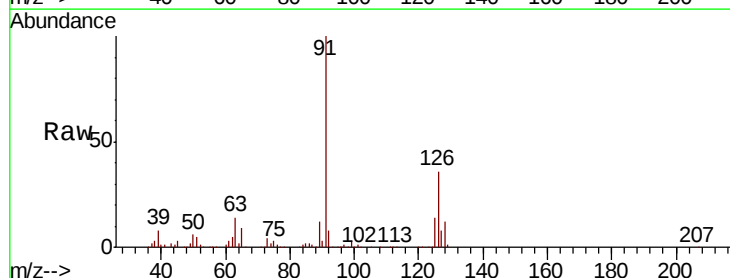
Acq: 26 Dec 2019 10:03

Tgt Ion: 91 Resp: 745079

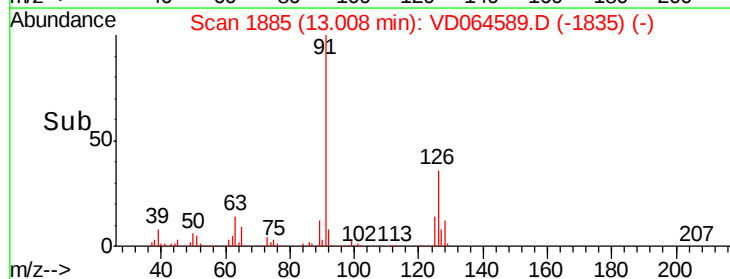
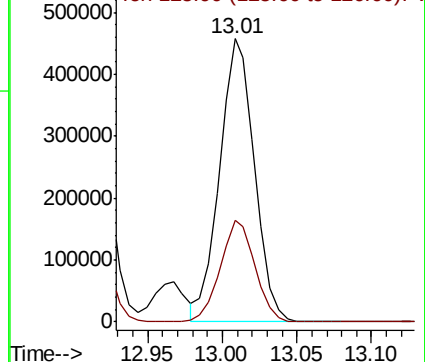
Ion Ratio Lower Upper

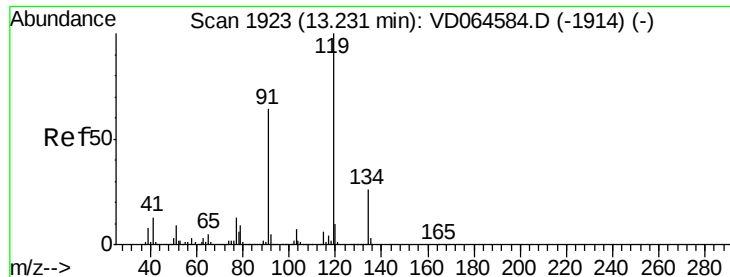
91 100

126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

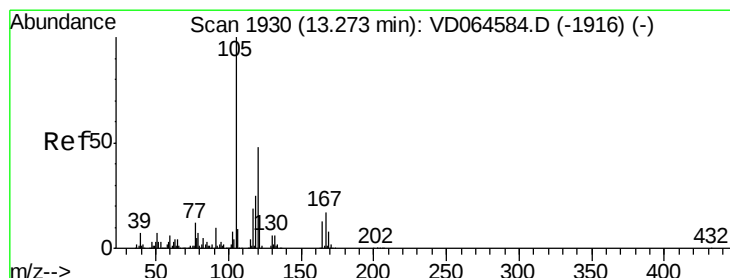
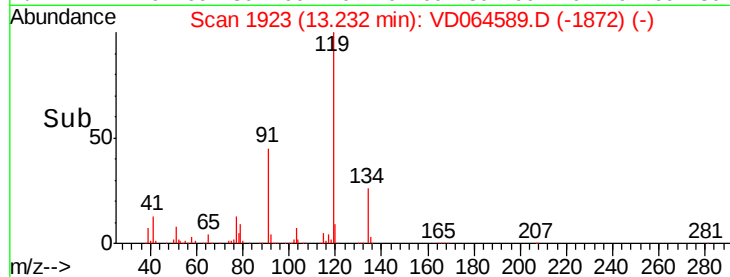
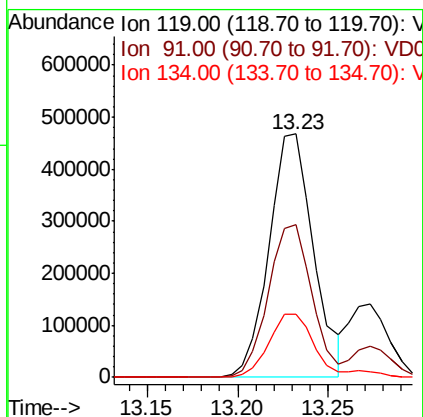
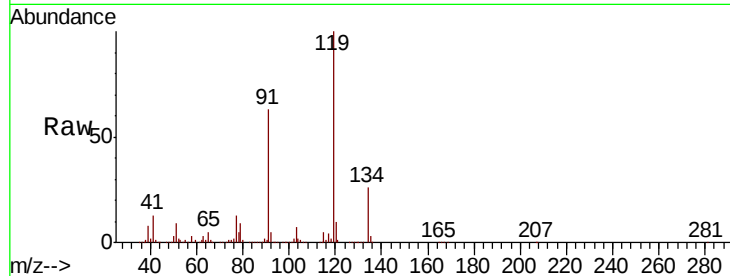




#83
tert-Butylbenzene
Concen: 52.938 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

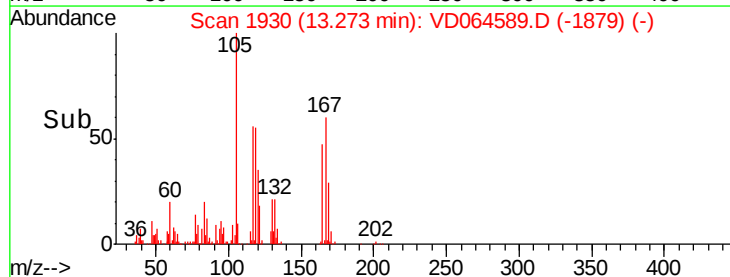
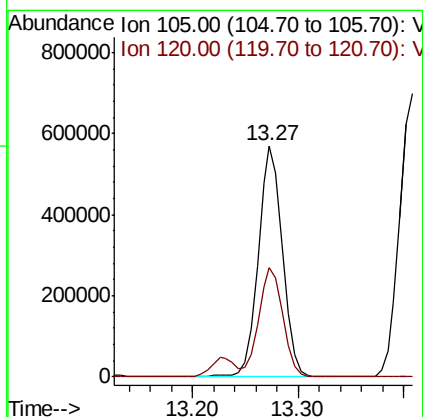
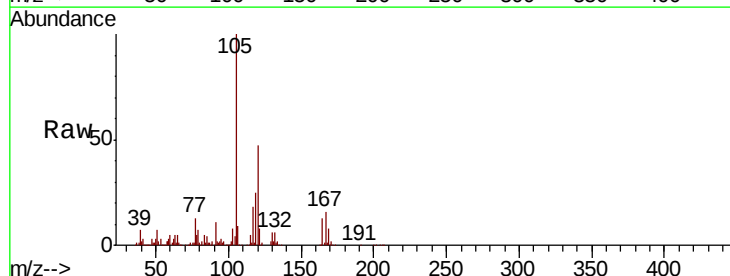
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

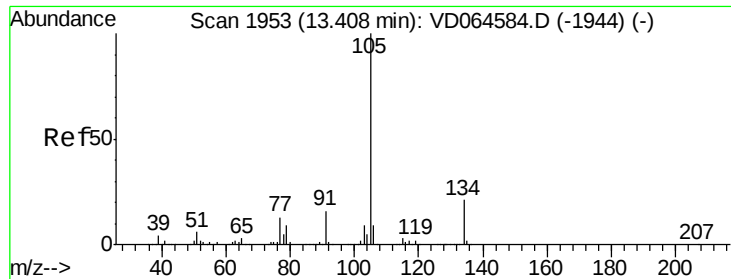
Tot Ion:119 Resp: 800293
Ion Ratio Lower Upper
119 100
91 61.9 30.8 92.4
134 28.0 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 52.131 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion:105 Resp: 903995
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.2





#85

sec-Butylbenzene

Concen: 53.291 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

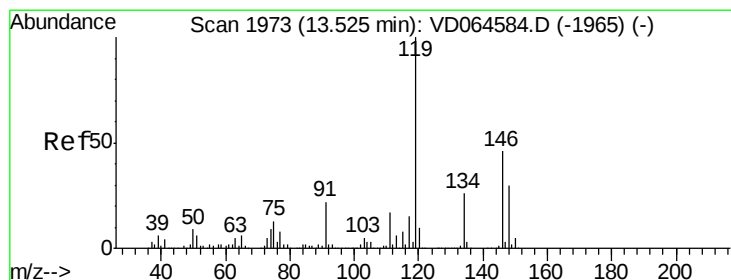
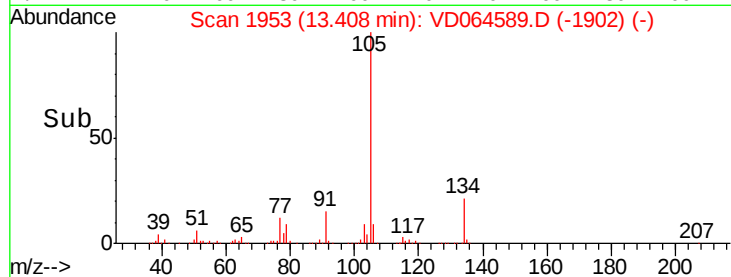
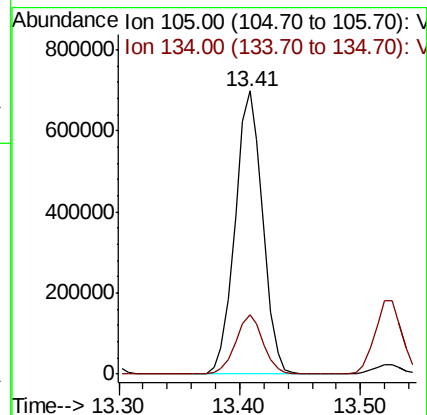
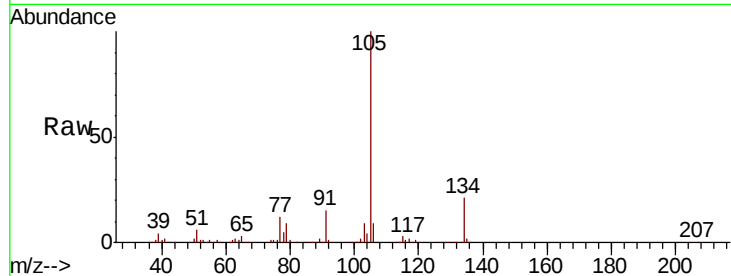
VSTDCCC050

Tot Ion:105 Resp: 1104480

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 53.095 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

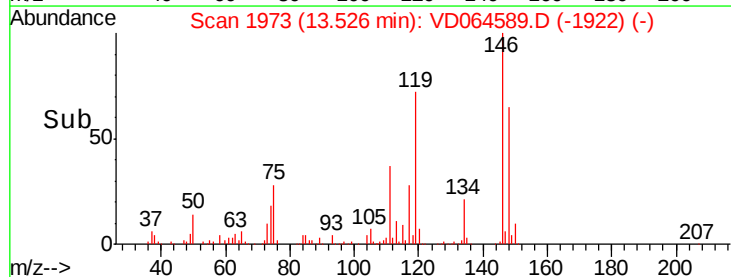
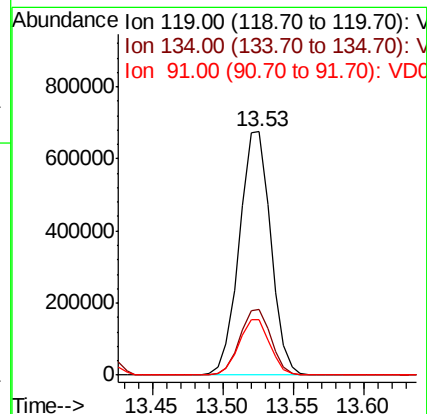
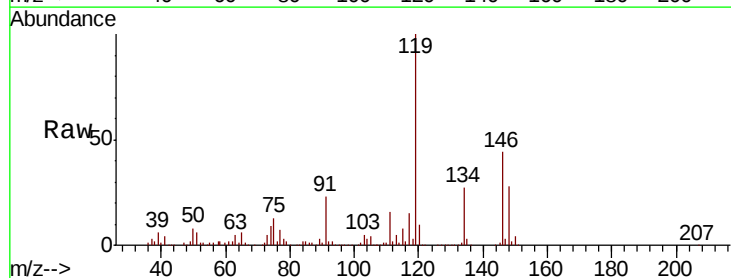
Tgt Ion:119 Resp: 1052193

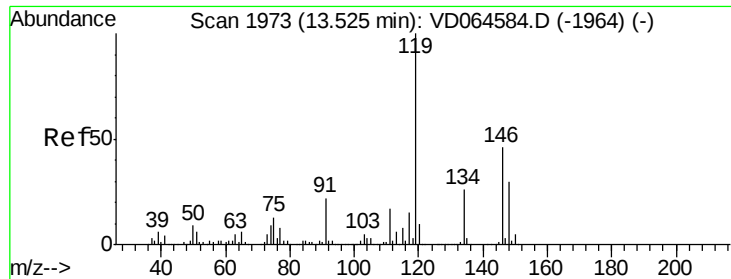
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.7 11.2 33.6

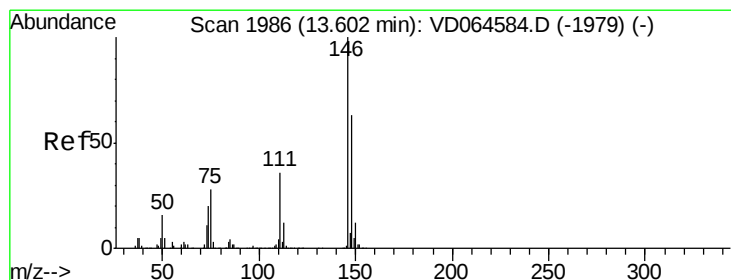
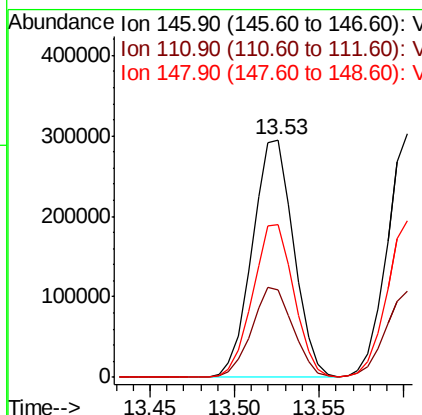
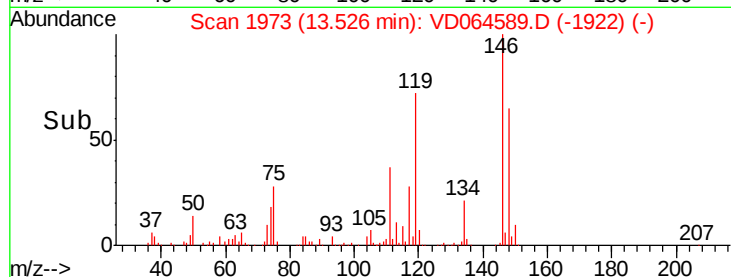
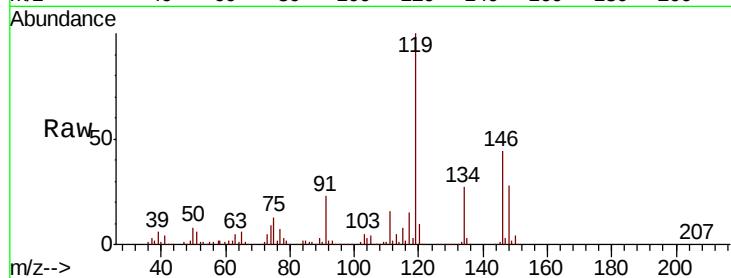




#87
 1,3-Dichlorobenzene
 Concen: 50.489 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

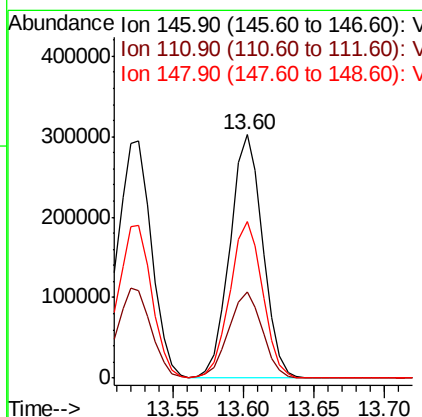
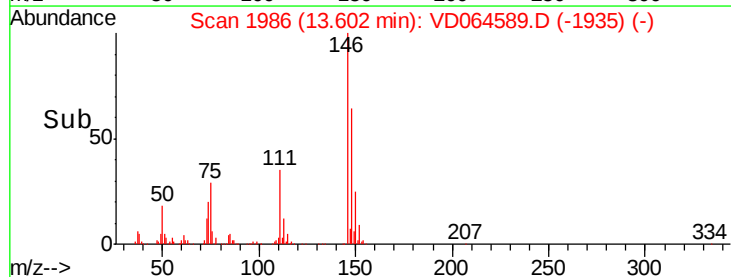
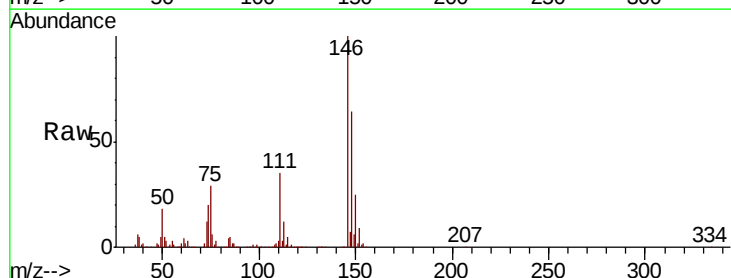
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

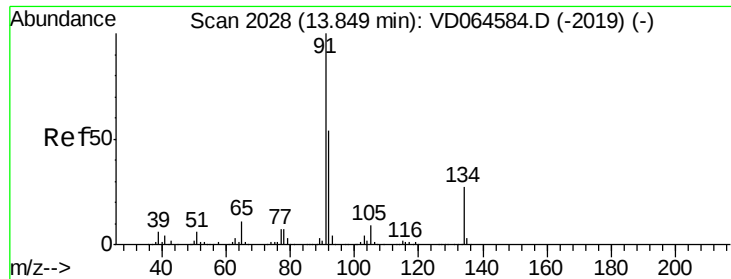
Tot Ion:146 Resp: 501282
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 64.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.197 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion:146 Resp: 489593
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.1
 148 64.2 32.3 96.9

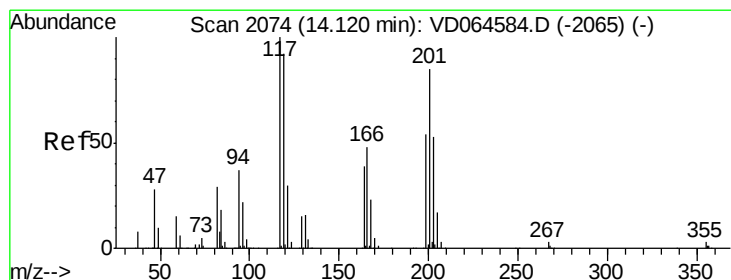
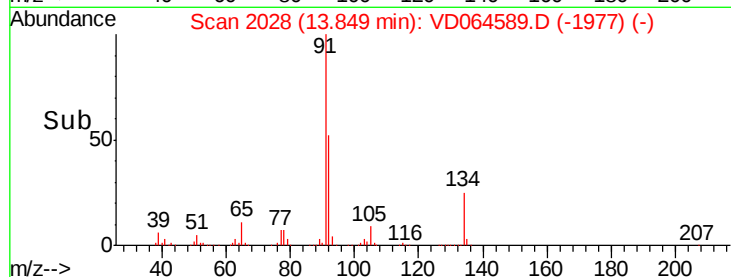
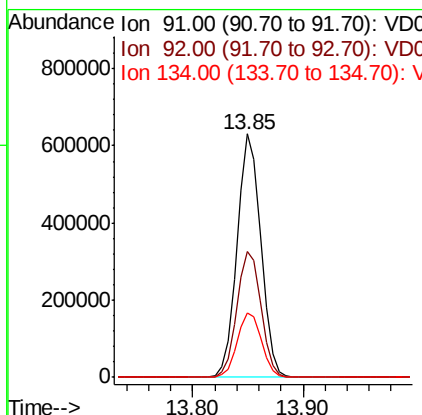
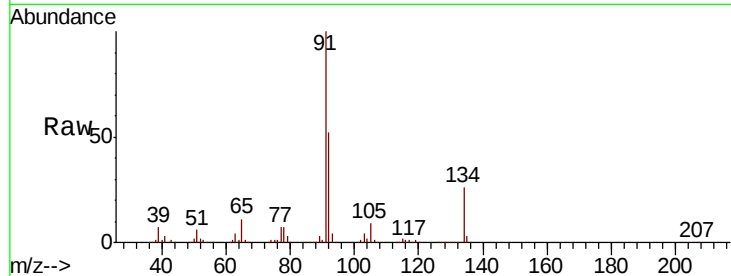




#89
n-Butylbenzene
Concen: 53.451 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

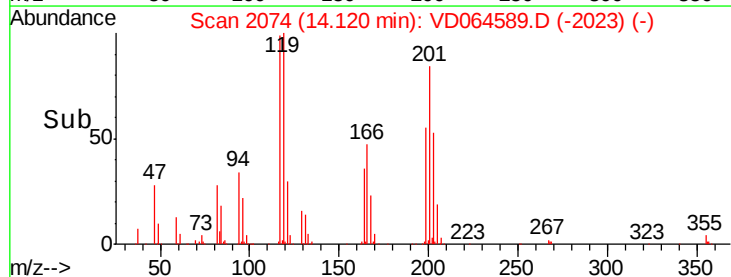
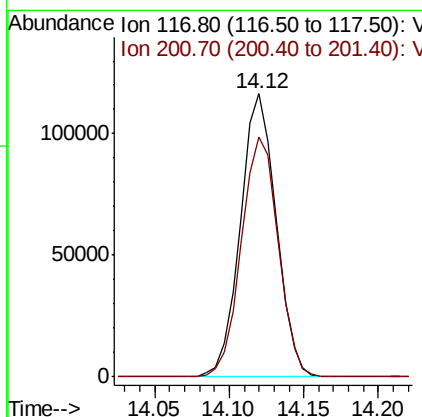
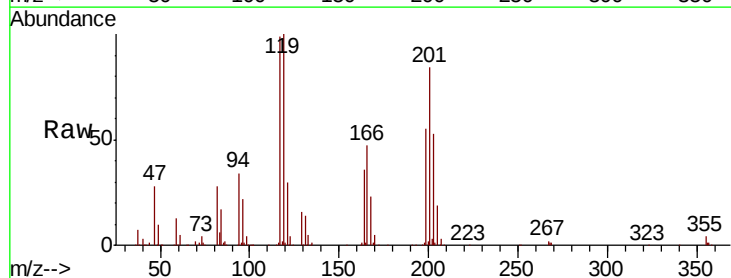
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

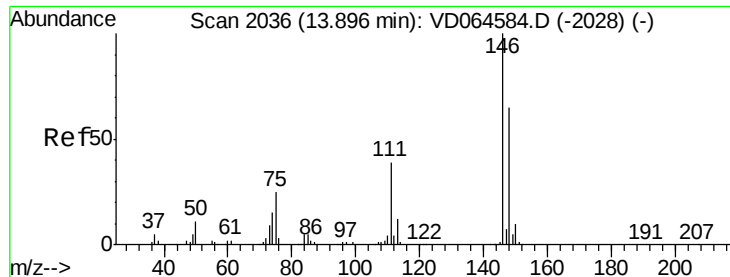
Tot Ion: 91 Resp: 953902
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 27.2 14.0 41.9



#90
Hexachloroethane
Concen: 50.994 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064589.D
Acq: 26 Dec 2019 10:03

Tgt Ion: 117 Resp: 193038
Ion Ratio Lower Upper
117 100
201 87.4 44.0 131.8

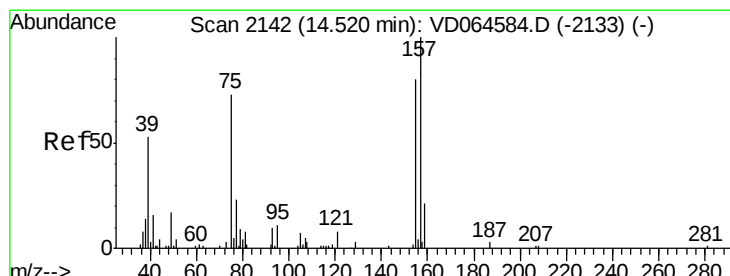
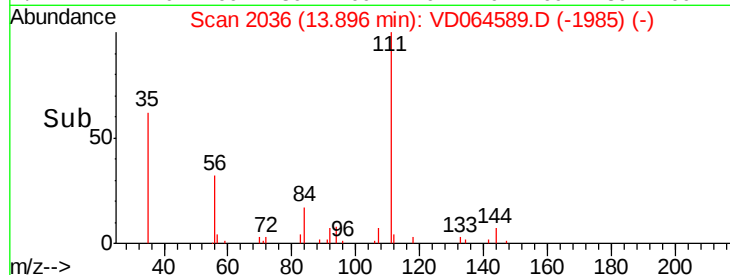
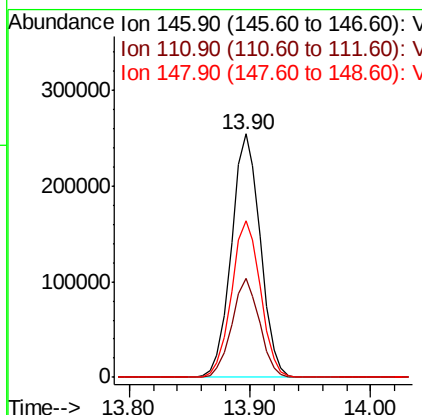
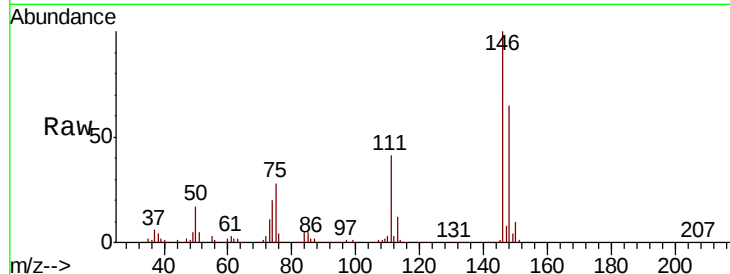




#91
 1,2-Dichlorobenzene
 Concen: 49.957 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

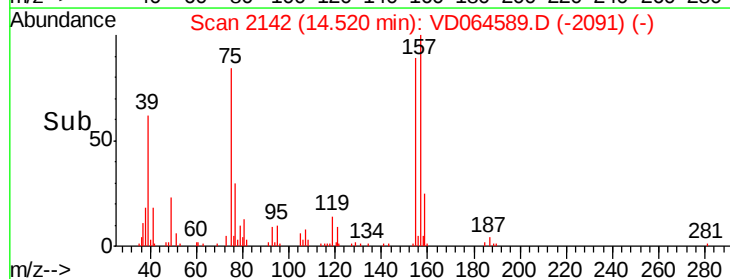
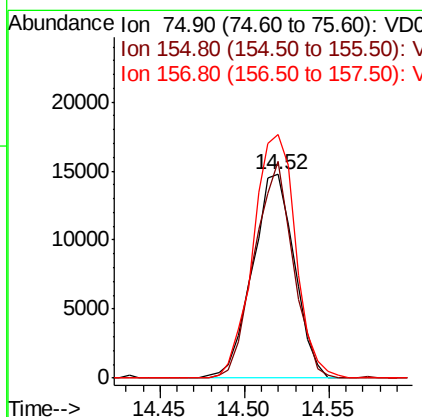
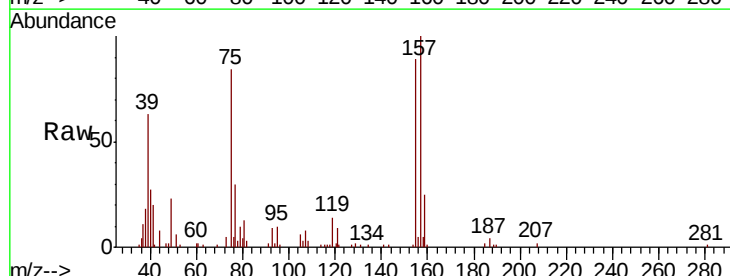
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

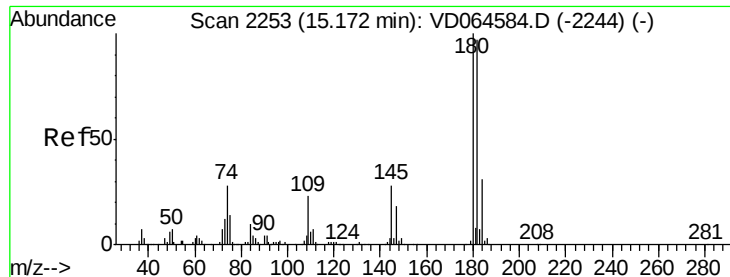
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	64.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.449 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	48.0	144.0
157	120.6	64.1	192.3

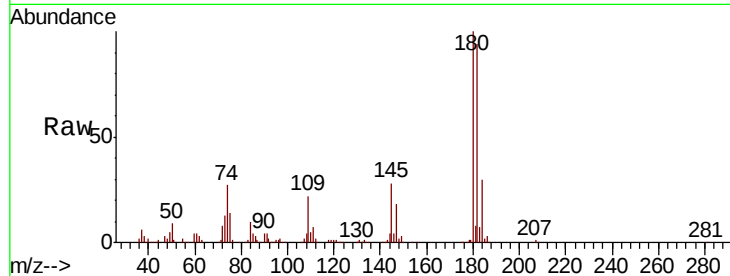




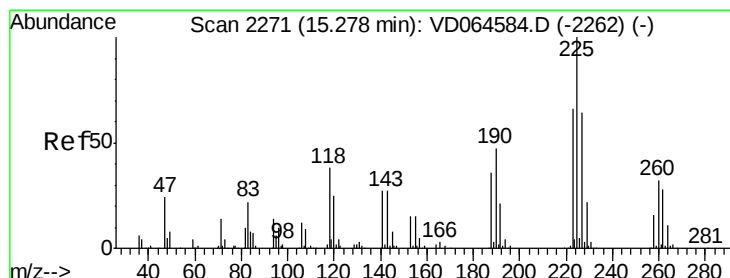
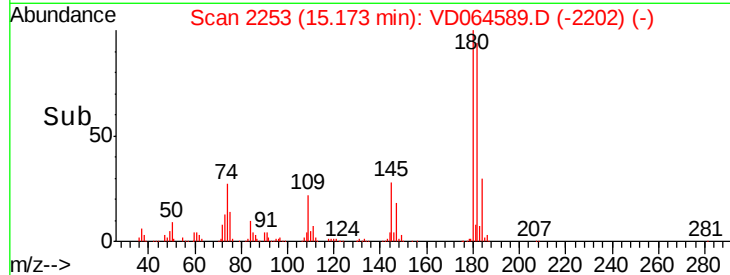
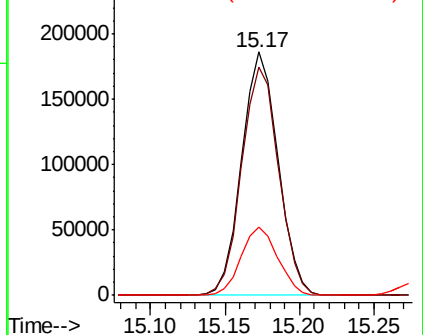
#93
 1,2,4-Trichlorobenzene
 Concen: 50.371 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 313996
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 28.2 13.8 41.4

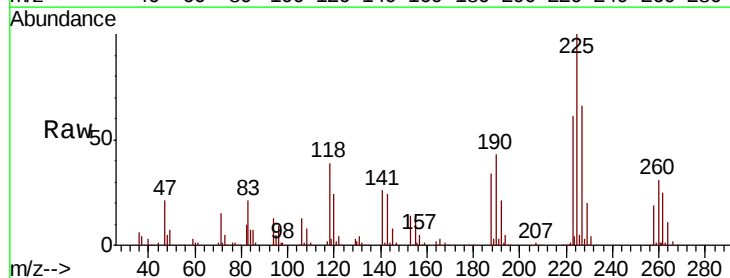


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

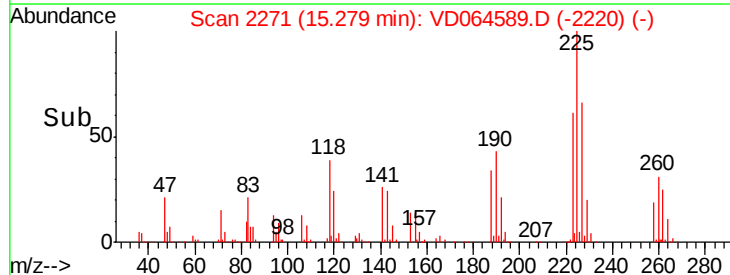
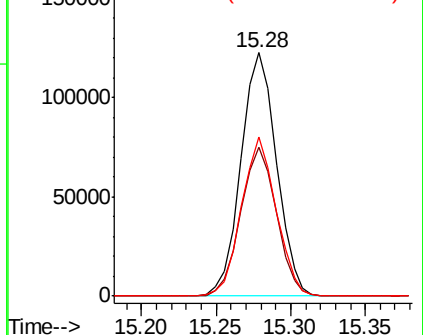


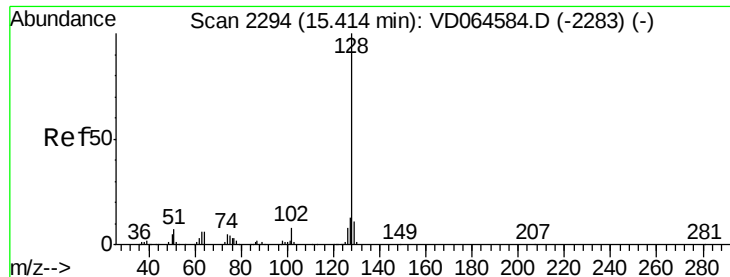
#94
 Hexachlorobutadiene
 Concen: 51.676 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064589.D
 Acq: 26 Dec 2019 10:03

Tgt Ion:225 Resp: 202710
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.1 93.2
 227 63.7 30.9 92.7



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





#95

Naphthalene

Concen: 49.753 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

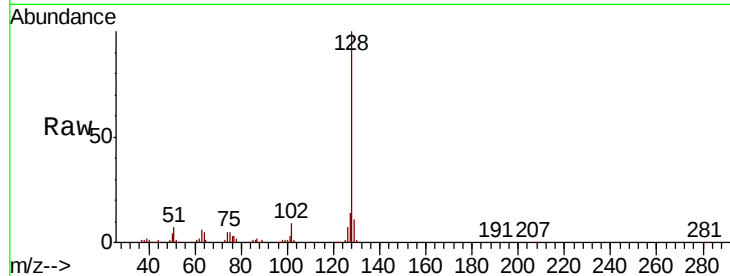
Tot Ion:128 Resp: 490648

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

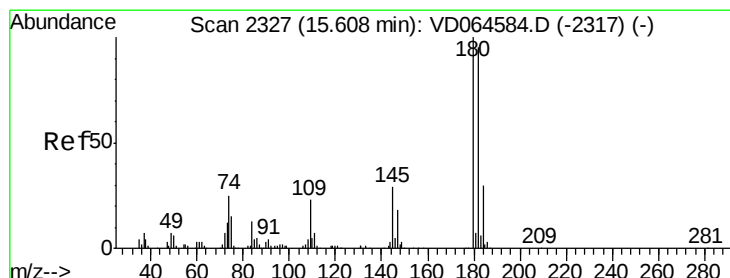
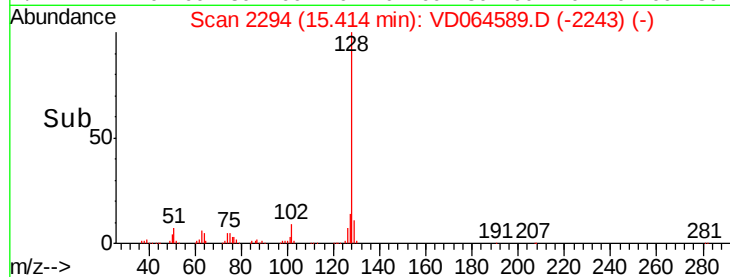
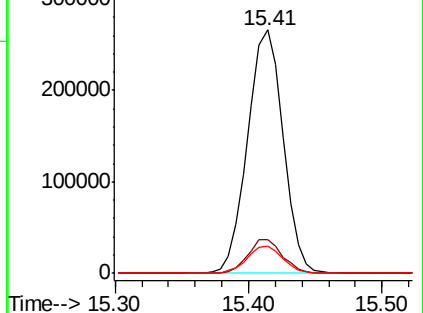
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.477 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064589.D

Acq: 26 Dec 2019 10:03

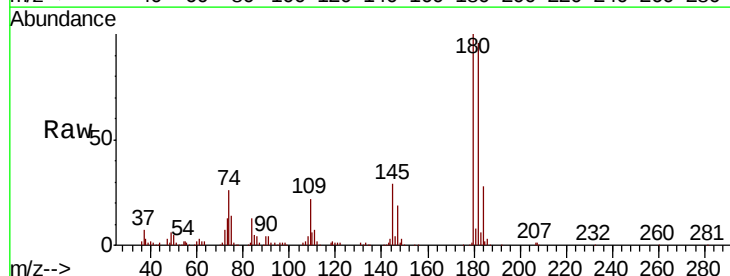
Tgt Ion:180 Resp: 268623

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 29.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

