

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064324.D
 Acq On : 21 Nov 2019 15:01
 Operator : VA/SY
 Sample : VD1121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	617630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	886210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	753020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	245344	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	7.92	113	251452	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.34	98	933756	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.64	95	317228	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93402	18.234	ug/l	97
3) Chloromethane	2.21	50	117124	21.317	ug/l	99
4) Vinyl Chloride	2.35	62	135211	23.012	ug/l	97
5) Bromomethane	2.76	94	92482	24.926	ug/l	97
6) Chloroethane	2.92	64	93880	25.005	ug/l	99
7) Trichlorofluoromethane	3.27	101	238172	25.002	ug/l	93
8) Diethyl Ether	3.71	74	52204	19.930	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	111210	20.425	ug/l	99
10) Methyl Iodide	4.30	142	109978	19.007	ug/l	99
11) Tert butyl alcohol	5.26	59	40257	113.467	ug/l	99
12) 1,1-Dichloroethene	4.06	96	105390	20.307	ug/l	97
13) Acrolein	3.92	56	21592	71.939	ug/l	96
14) Allyl chloride	4.71	41	170361	18.566	ug/l	94
15) Acrylonitrile	5.43	53	120308	107.741	ug/l	98
16) Acetone	4.17	43	92542	76.902	ug/l	93
17) Carbon Disulfide	4.40	76	295822	18.303	ug/l	99
18) Methyl Acetate	4.73	43	70372	20.938	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	251593	20.307	ug/l	94
20) Methylene Chloride	4.96	84	123539	20.324	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	117366	19.961	ug/l	96
22) Diisopropyl ether	6.37	45	331941	19.497	ug/l	96
23) Vinyl Acetate	6.31	43	953372	100.456	ug/l	100
24) 1,1-Dichloroethane	6.27	63	198278	20.058	ug/l	98
25) 2-Butanone	7.23	43	151438	97.407	ug/l	100
26) 2,2-Dichloropropane	7.21	77	182544	18.830	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	129144	20.481	ug/l	95
28) Bromochloromethane	7.55	49	56413	16.391	ug/l	98
29) Tetrahydrofuran	7.57	42	95586	102.331	ug/l	99
30) Chloroform	7.71	83	214988	21.261	ug/l	100
31) Cyclohexane	7.98	56	189210	18.978	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	194838	20.123	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159472	19.498	ug/l	98
37) Ethyl Acetate	7.30	43	68277	19.802	ug/l	97
38) Carbon Tetrachloride	8.10	117	169245	19.339	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	197541	19.087	ug/l	95
40) Benzene	8.35	78	441792	19.764	ug/l	100
41) Methacrylonitrile	7.53	41	43414	20.033	ug/l	93
42) 1,2-Dichloroethane	8.43	62	130303	19.409	ug/l	99
43) Isopropyl Acetate	8.46	43	138234	19.458	ug/l	100
44) Trichloroethene	9.11	130	136557	20.355	ug/l	99
45) 1,2-Dichloropropane	9.39	63	107543	19.766	ug/l	93
46) Dibromomethane	9.48	93	58155	19.966	ug/l	97
47) Bromodichloromethane	9.67	83	155967	19.879	ug/l	94
48) Methyl methacrylate	9.46	41	64947	18.696	ug/l	96
49) 1,4-Dioxane	9.47	88	15179	433.912	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	336474	98.763	ug/l	100
52) Toluene	10.40	92	289534	19.698	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	147848	18.810	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	176667	19.261	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	81201	20.550	ug/l	96
56) Ethyl methacrylate	10.67	69	106835	19.328	ug/l	96
57) 1,3-Dichloropropane	10.95	76	141556	20.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	224669	100.343	ug/l	99
59) 2-Hexanone	10.99	43	226177	93.315	ug/l	98
60) Dibromochloromethane	11.14	129	109052	19.779	ug/l	100
61) 1,2-Dibromoethane	11.25	107	81024	20.473	ug/l	99
64) Tetrachloroethene	10.88	164	116028	20.034	ug/l	95
65) Chlorobenzene	11.67	112	311431	20.338	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	119813	20.577	ug/l	98
67) Ethyl Benzene	11.75	91	562200	20.297	ug/l	95
68) m/p-Xylenes	11.86	106	422482	39.794	ug/l	99
69) o-Xylene	12.18	106	197700	20.078	ug/l	98
70) Styrene	12.20	104	337973	19.664	ug/l	98
71) Bromoform	12.37	173	63628	19.202	ug/l #	95
73) Isopropylbenzene	12.48	105	545309	19.823	ug/l	99
74) N-amyl acetate	12.30	43	123975	19.085	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	86234	20.804	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	112959	37.419	ug/l #	100
77) Bromobenzene	12.77	156	133986	20.049	ug/l	98
78) n-propylbenzene	12.83	91	627134	19.954	ug/l	99
79) 2-Chlorotoluene	12.91	91	342196	19.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	443582	19.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	27924	18.375	ug/l	99
82) 4-Chlorotoluene	13.01	91	358226	19.356	ug/l	99
83) tert-Butylbenzene	13.23	119	386769	19.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	448362	20.092	ug/l	98
85) sec-Butylbenzene	13.41	105	528369	19.737	ug/l	99
86) p-Isopropyltoluene	13.53	119	495062	19.452	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	247501	19.951	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	245038	20.238	ug/l	98
89) n-Butylbenzene	13.86	91	451526	19.638	ug/l	99
90) Hexachloroethane	14.12	117	89370	19.001	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	213310	20.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14591	19.688	ug/l	97

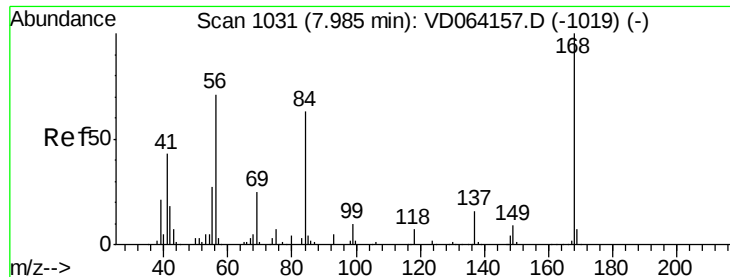
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	165645	20.450	ug/l	99
94) Hexachlorobutadiene	15.28	225	107814	20.607	ug/l	99
95) Naphthalene	15.41	128	276375	20.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	138839	20.165	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

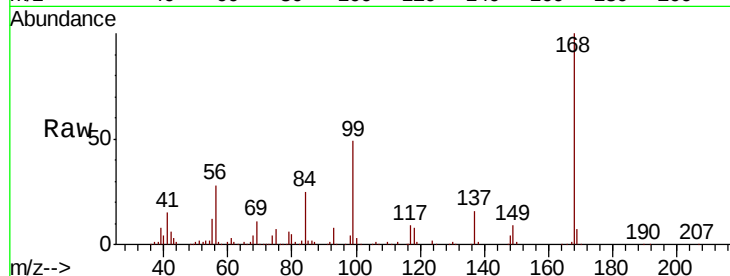
ClientSampleId :

Tot Ion:168 Resp: 617630

Ion Ratio Lower Upper

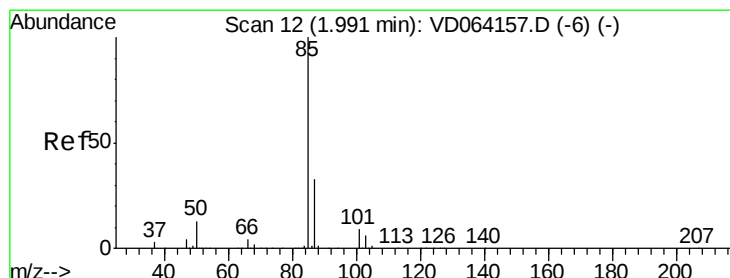
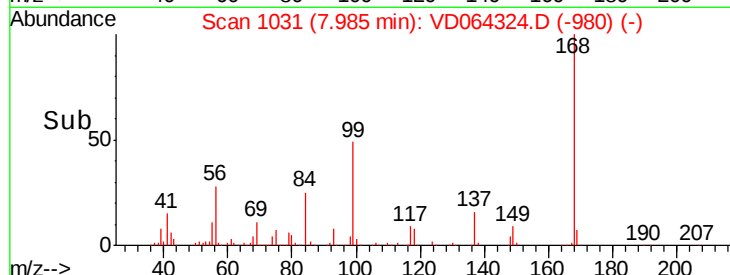
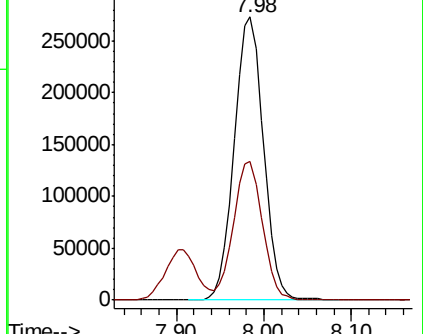
168 100

99 49.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.234 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064324.D

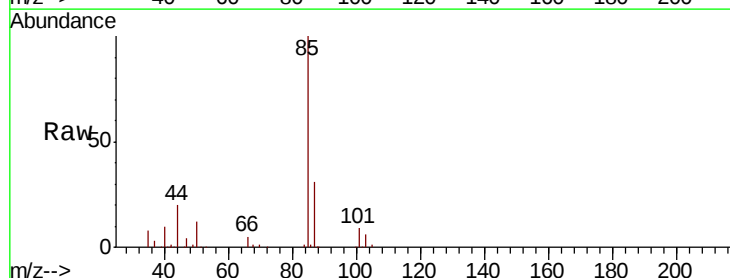
Acq: 21 Nov 2019 15:01

Tgt Ion: 85 Resp: 93402

Ion Ratio Lower Upper

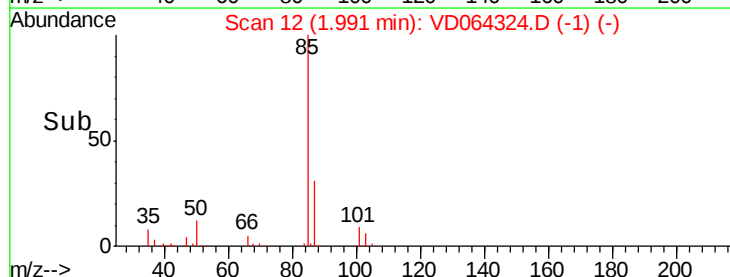
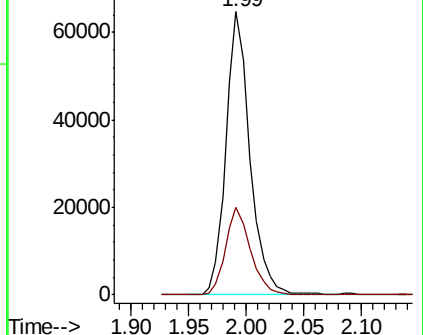
85 100

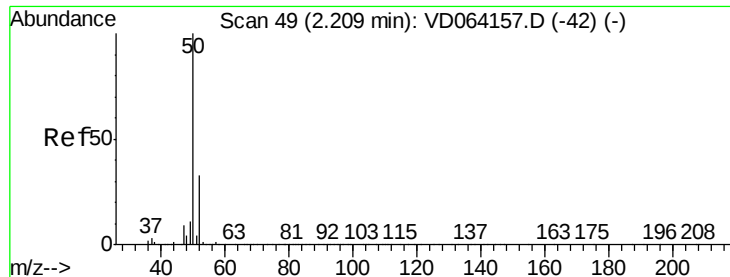
87 31.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.317 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

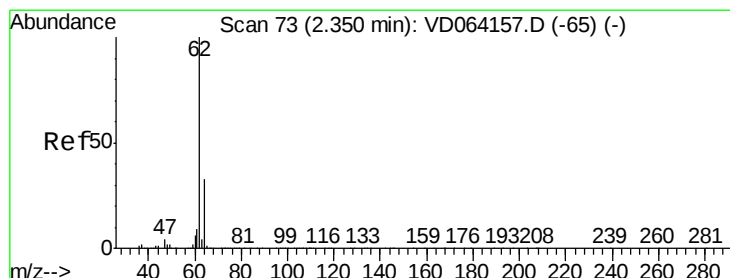
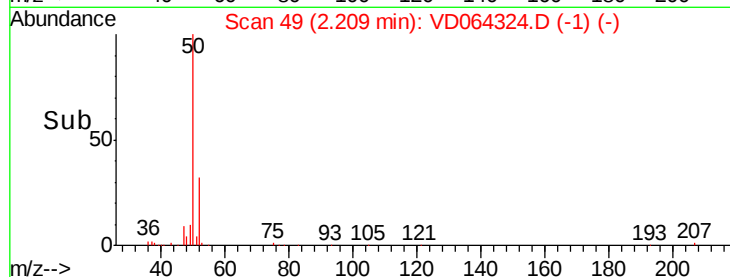
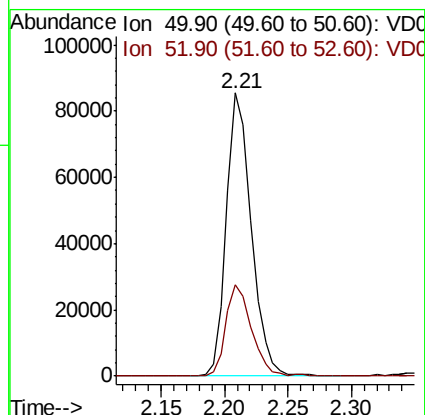
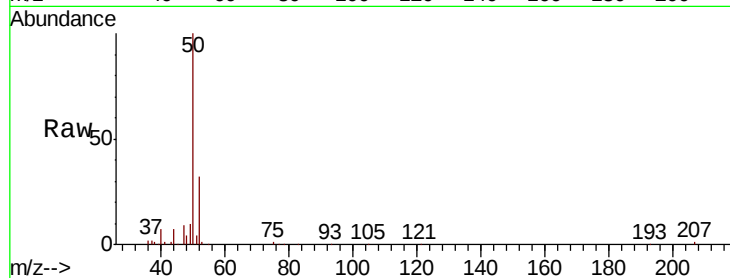
ClientSampleId :

Tot Ion: 50 Resp: 117124

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.4



#4

Vinyl Chloride

Concen: 23.012 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064324.D

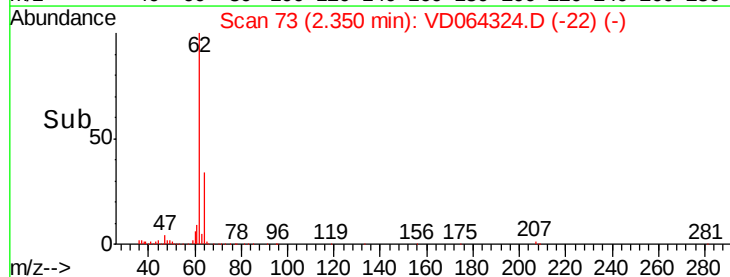
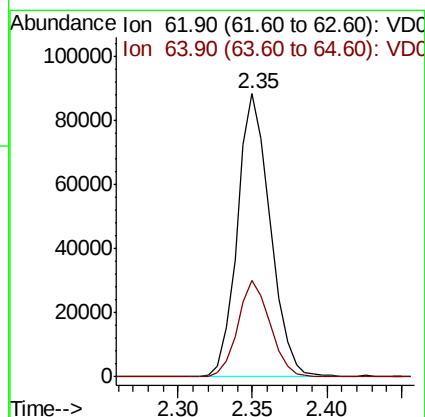
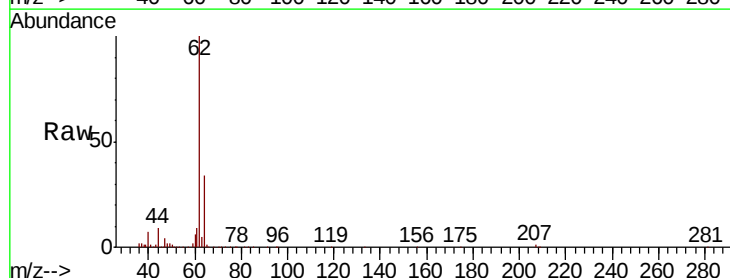
Acq: 21 Nov 2019 15:01

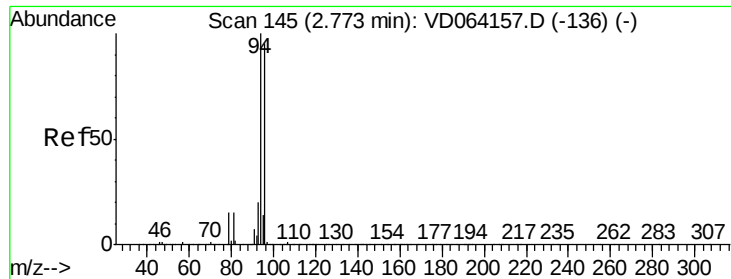
Tgt Ion: 62 Resp: 135211

Ion Ratio Lower Upper

62 100

64 34.1 26.2 39.2





#5

Bromomethane

Concen: 24.926 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

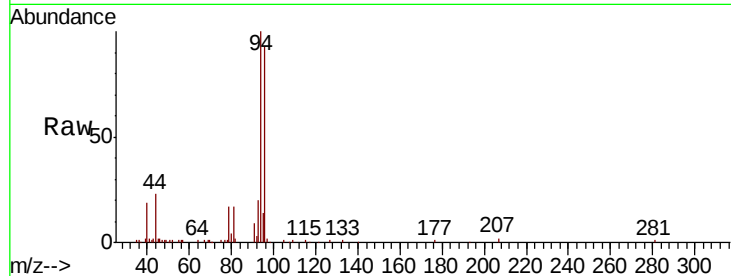
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 92482

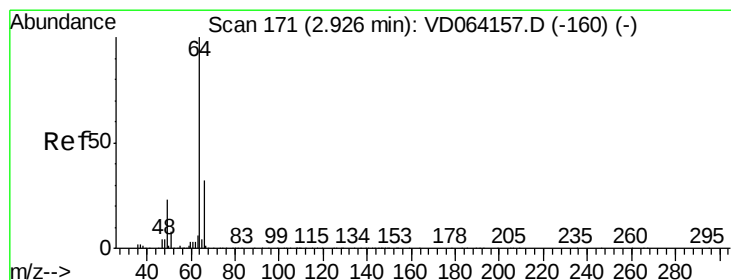
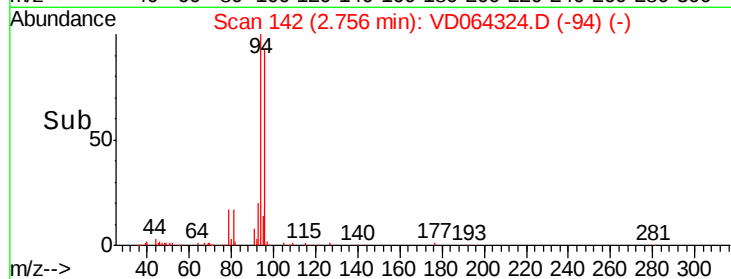
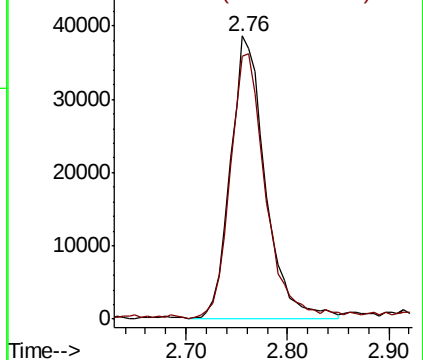
Ion Ratio Lower Upper

94 100

96 92.8 76.2 114.4



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



#6

Chloroethane

Concen: 25.005 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064324.D

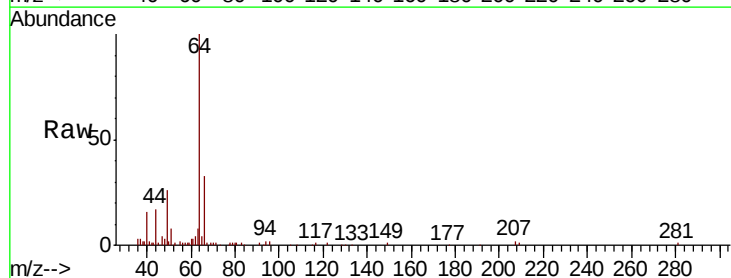
Acq: 21 Nov 2019 15:01

Tgt Ion: 64 Resp: 93880

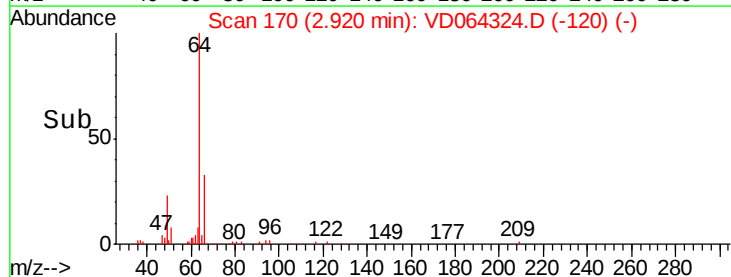
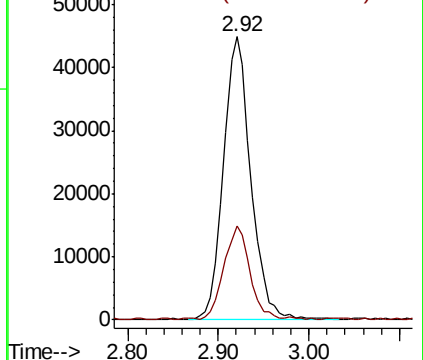
Ion Ratio Lower Upper

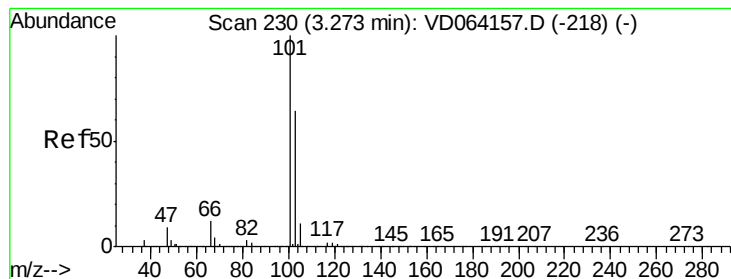
64 100

66 32.3 25.5 38.3



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





#7

Trichlorofluoromethane

Concen: 25.002 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

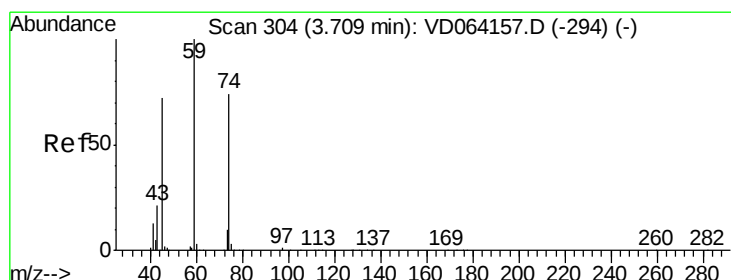
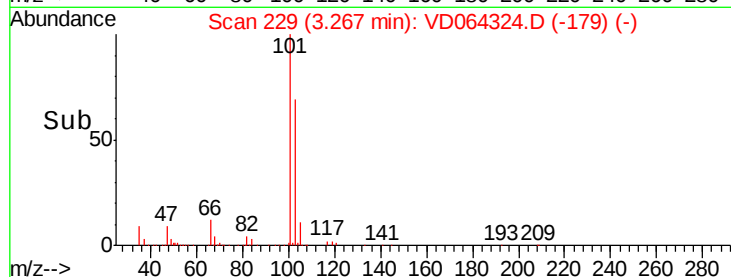
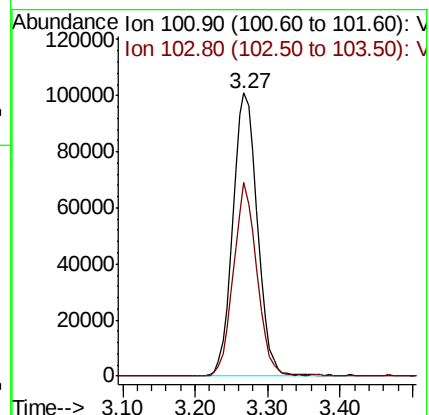
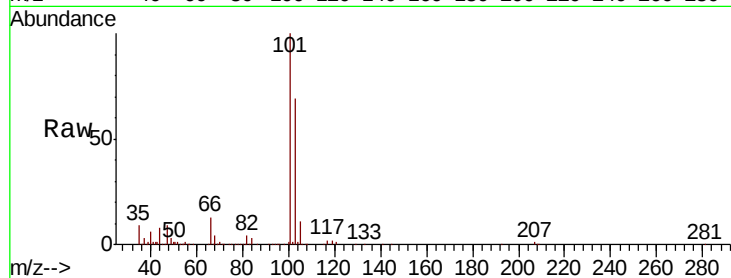
ClientSampleId :

Tot Ion:101 Resp: 238172

Ion Ratio Lower Upper

101 100

103 68.6 50.8 76.2



#8

Diethyl Ether

Concen: 19.930 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064324.D

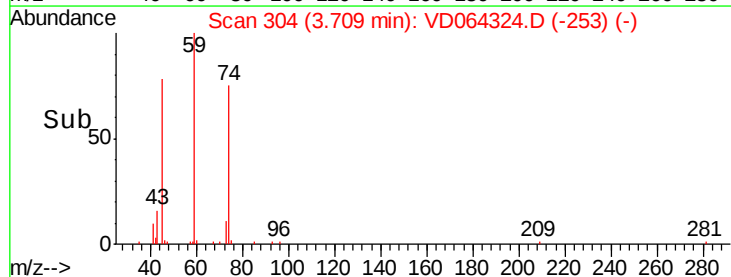
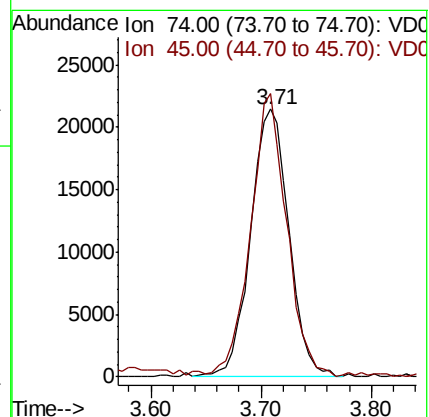
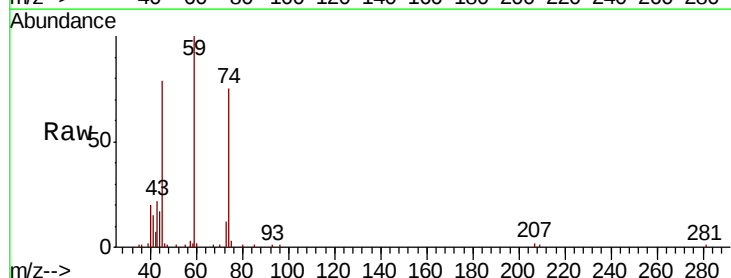
Acq: 21 Nov 2019 15:01

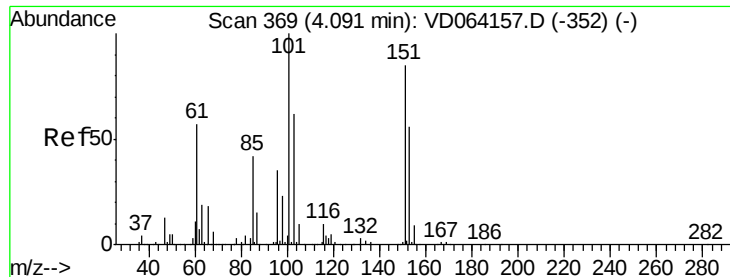
Tgt Ion: 74 Resp: 52204

Ion Ratio Lower Upper

74 100

45 100.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.425 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

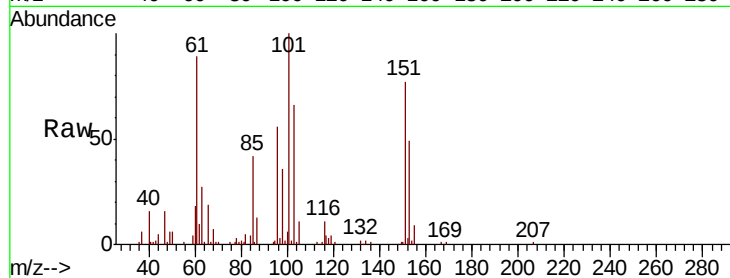
Tot Ion:101 Resp: 111210

Ion Ratio Lower Upper

101 100

85 44.1 34.4 51.6

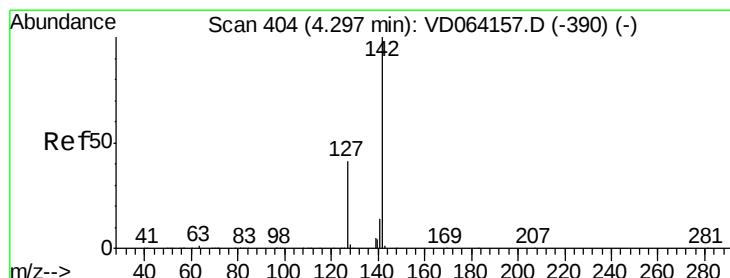
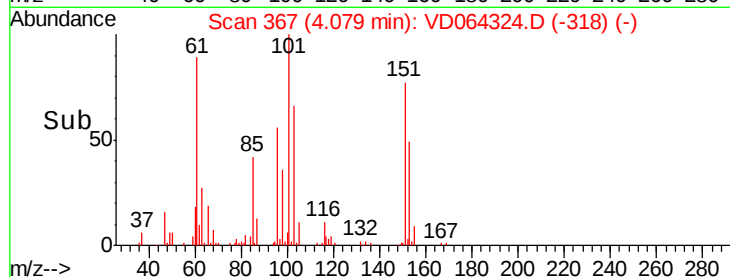
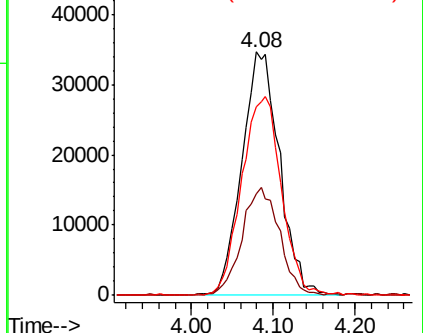
151 85.9 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.007 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

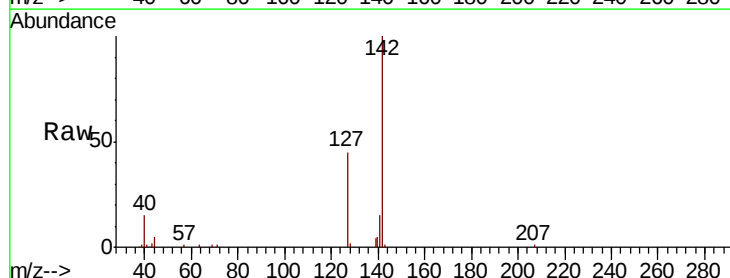
Tgt Ion:142 Resp: 109978

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

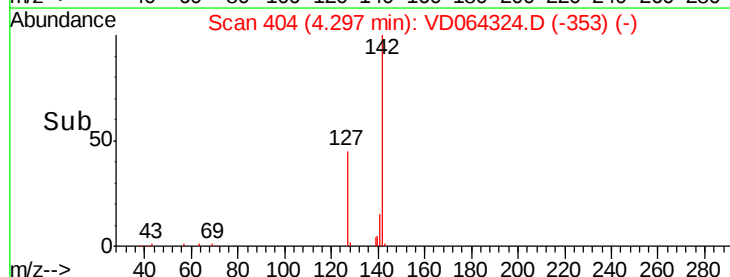
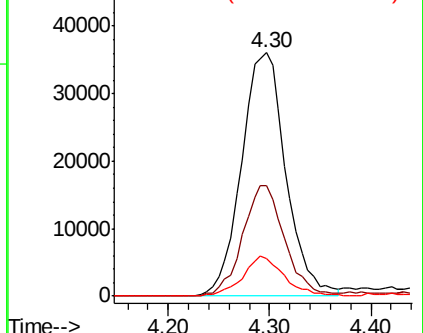
141 15.2 11.2 16.8

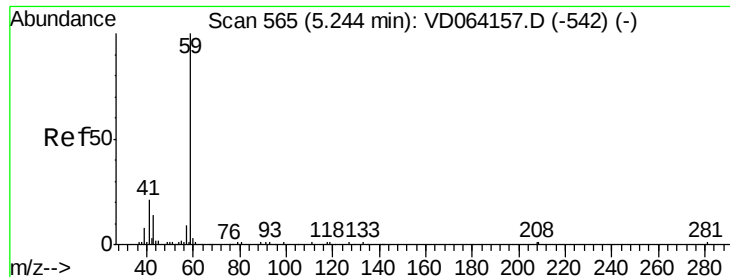


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



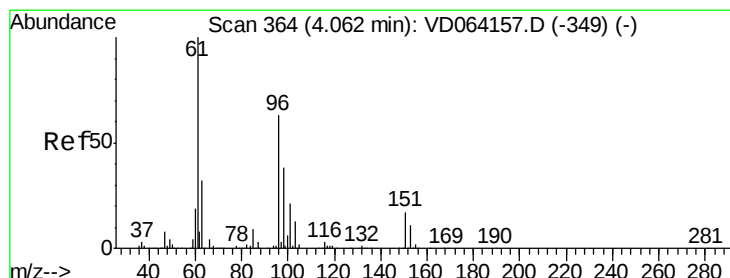
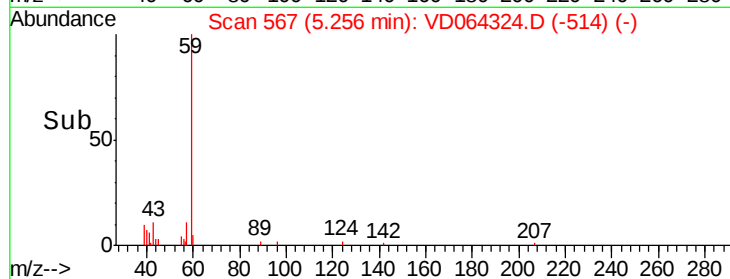
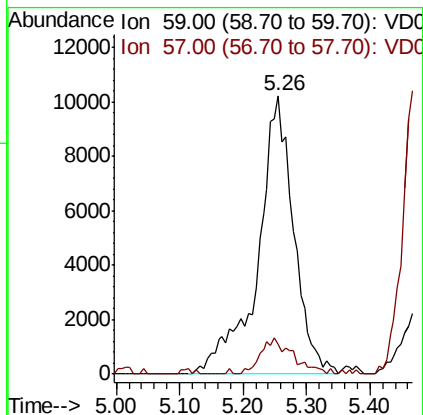
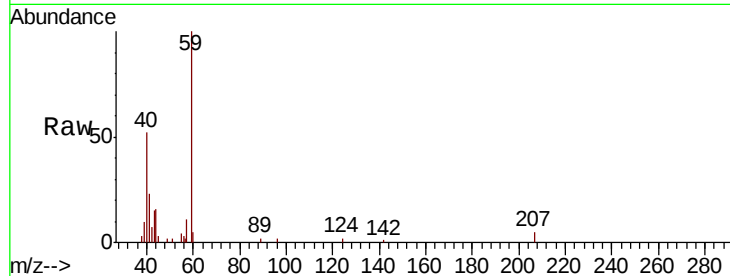


#11

Tert butyl alcohol
Concen: 113.467 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :

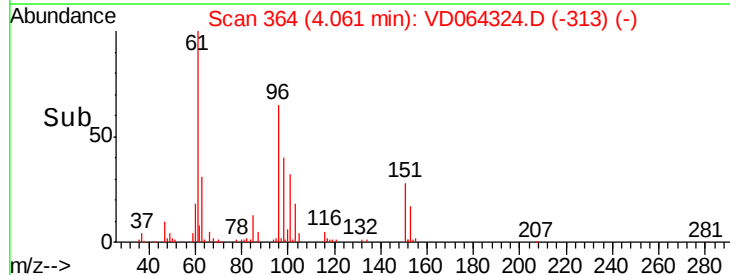
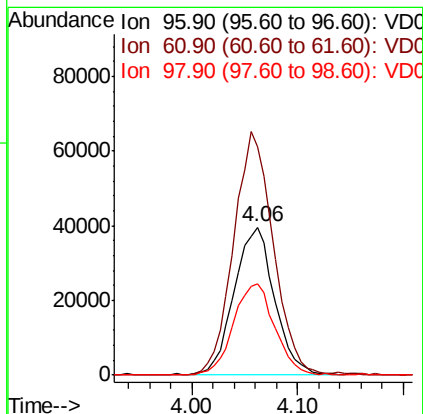
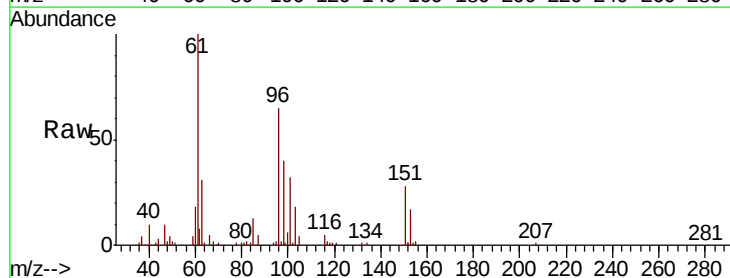
Tot Ion: 59 Resp: 40257
Ion Ratio Lower Upper
59 100
57 11.6 9.4 14.2

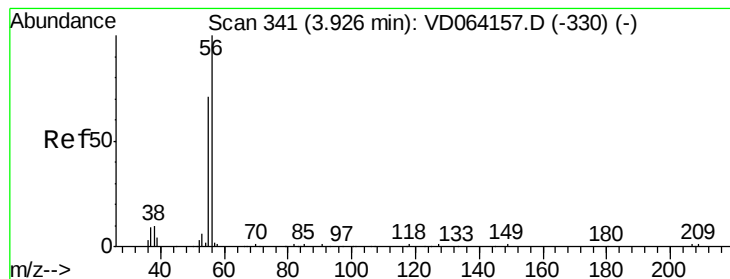


#12

1,1-Dichloroethene
Concen: 20.307 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 96 Resp: 105390
Ion Ratio Lower Upper
96 100
61 154.5 127.4 191.2
98 61.5 48.1 72.1





#13

Acrolein

Concen: 71.939 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

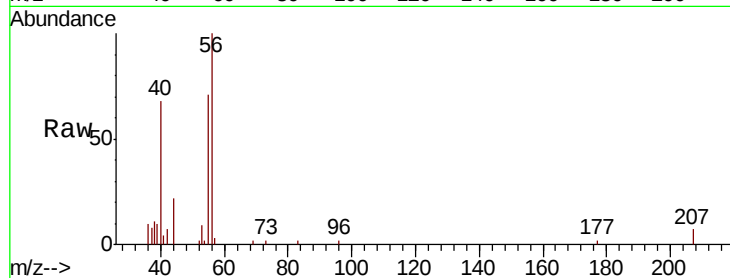
ClientSampleId :

Tot Ion: 56 Resp: 21592

Ion Ratio Lower Upper

56 100

55 73.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

6000

4000

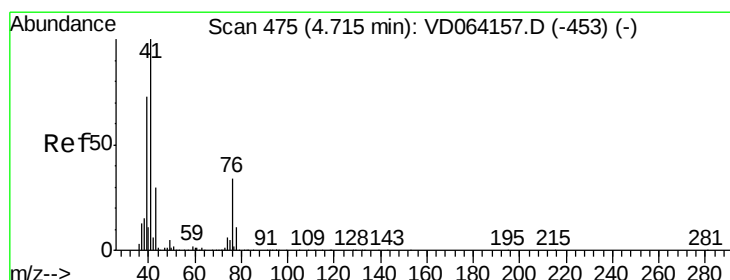
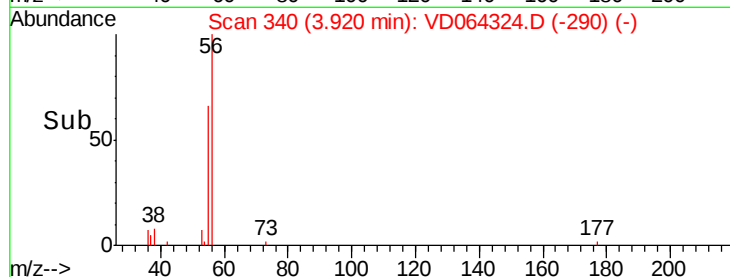
2000

0

Time--> 3.80

3.90

4.00



#14

Allyl chloride

Concen: 18.566 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

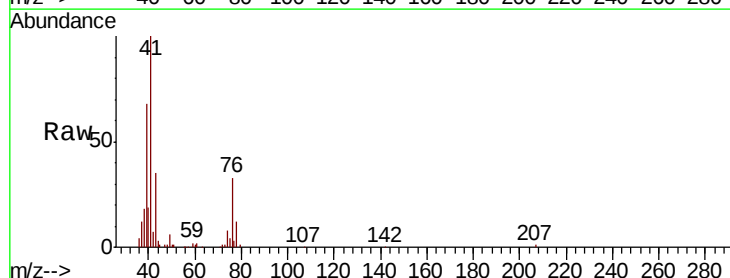
Tgt Ion: 41 Resp: 170361

Ion Ratio Lower Upper

41 100

39 76.5 57.5 86.3

76 36.7 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

80000

60000

40000

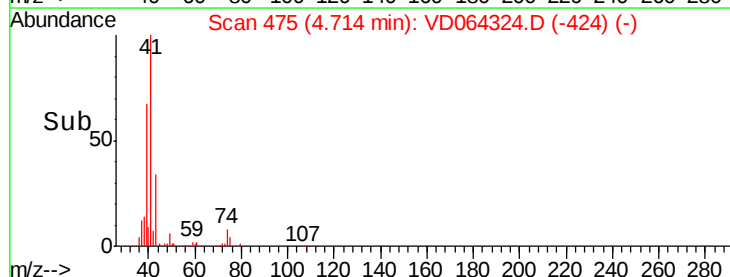
20000

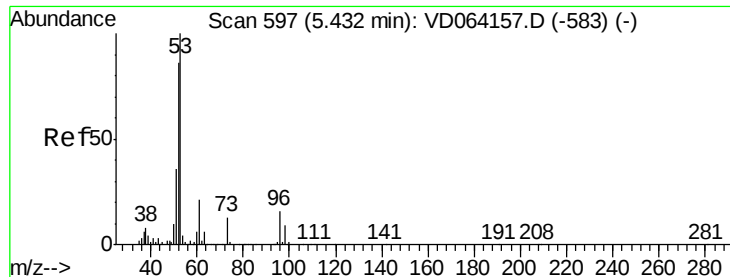
0

Time--> 4.60

4.70

4.80





#15

Acrylonitrile

Concen: 107.741 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

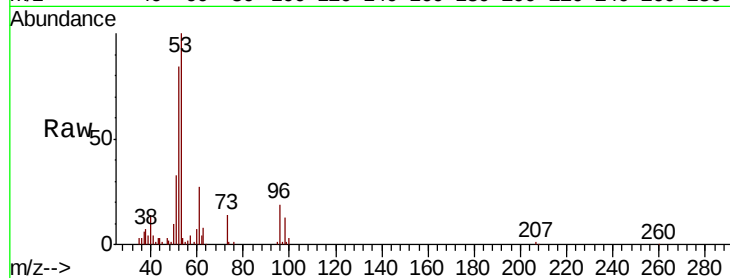
Tot Ion: 53 Resp: 120308

Ion Ratio Lower Upper

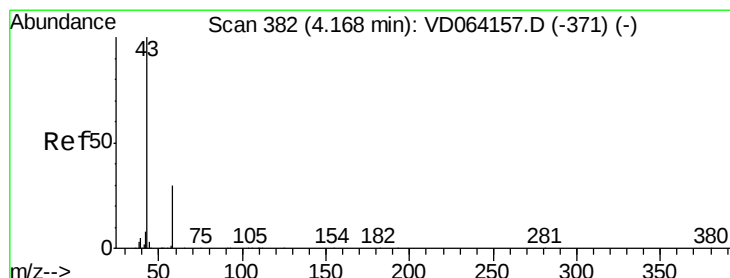
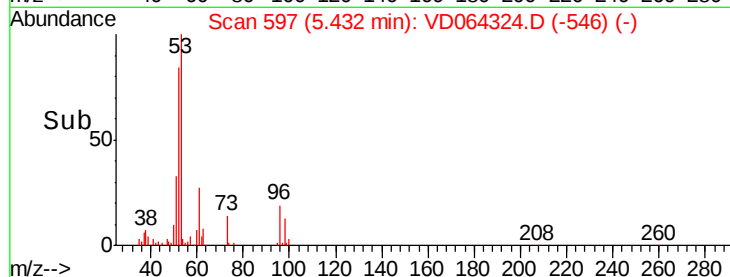
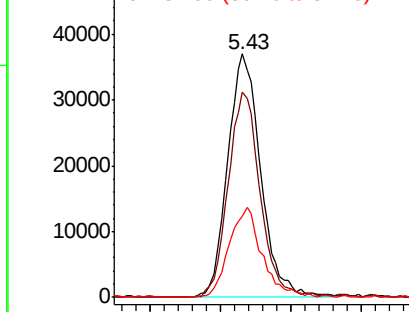
53 100

52 81.5 66.7 100.1

51 36.9 30.6 46.0



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



#16

Acetone

Concen: 76.902 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064324.D

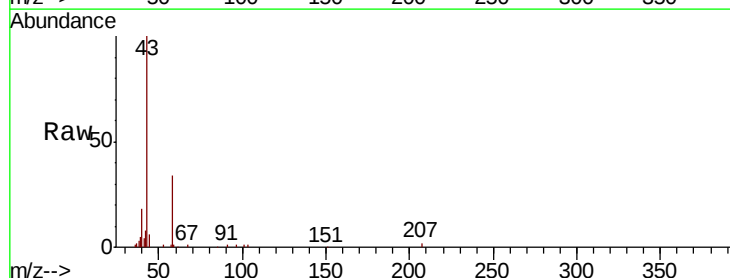
Acq: 21 Nov 2019 15:01

Tgt Ion: 43 Resp: 92542

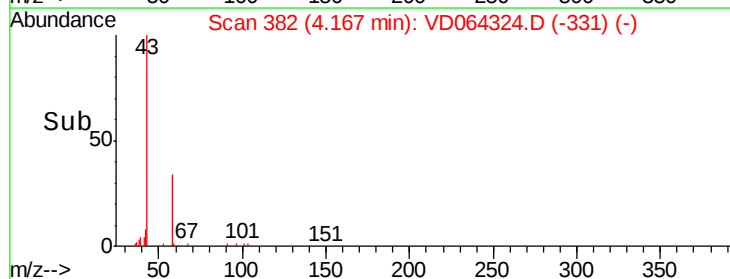
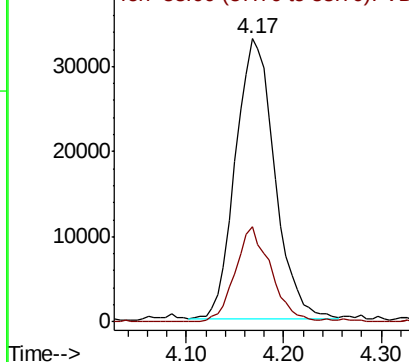
Ion Ratio Lower Upper

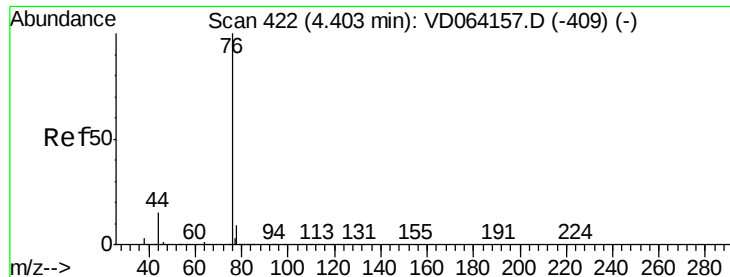
43 100

58 33.9 24.1 36.1



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





#17

Carbon Disulfide

Concen: 18.303 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

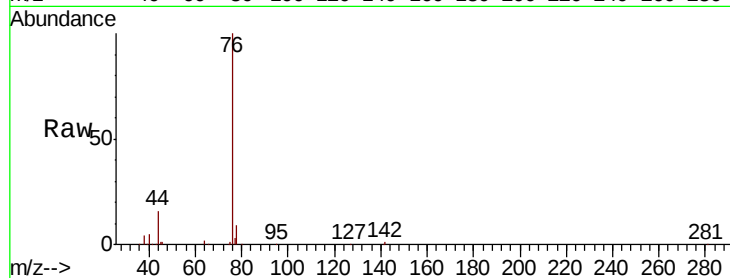
ClientSampleId :

Tot Ion: 76 Resp: 295822

Ion Ratio Lower Upper

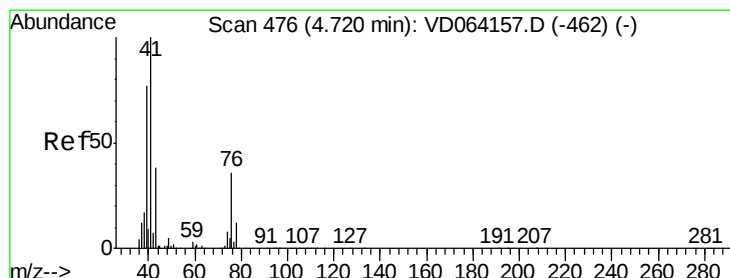
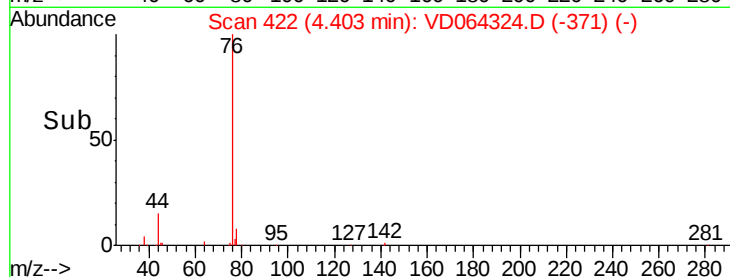
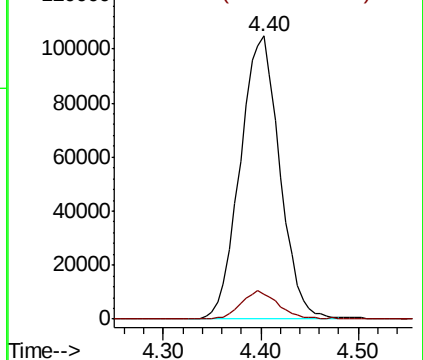
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.938 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064324.D

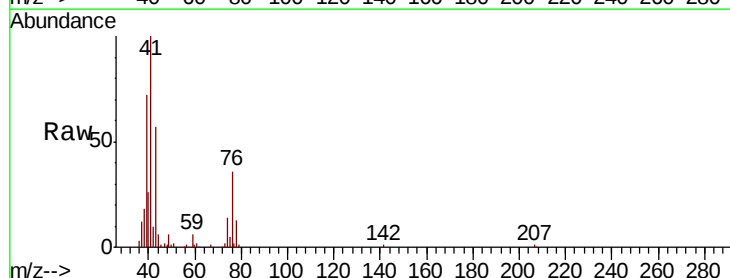
Acq: 21 Nov 2019 15:01

Tgt Ion: 43 Resp: 70372

Ion Ratio Lower Upper

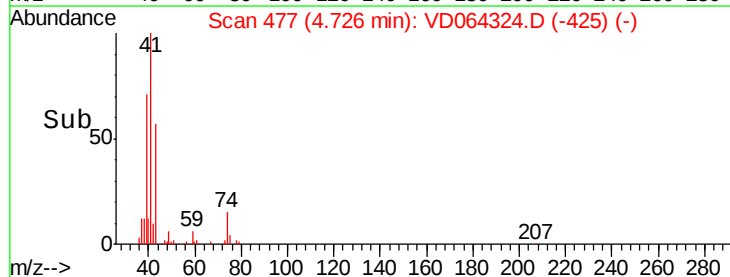
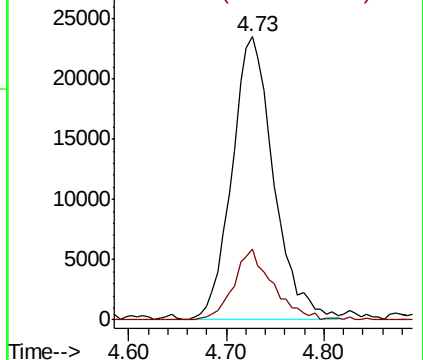
43 100

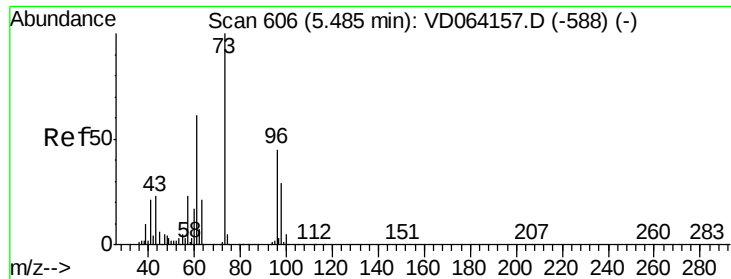
74 23.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

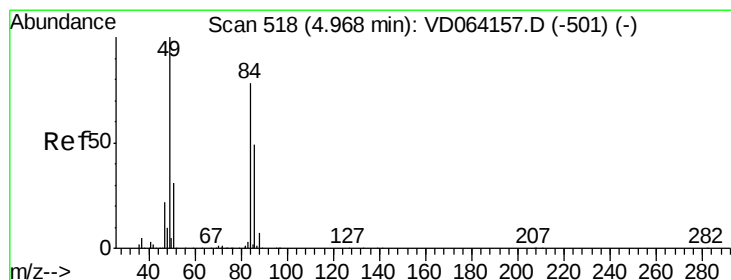
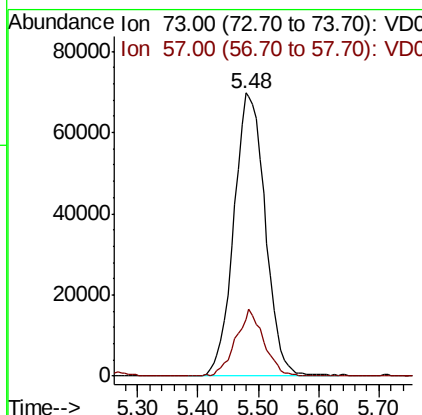
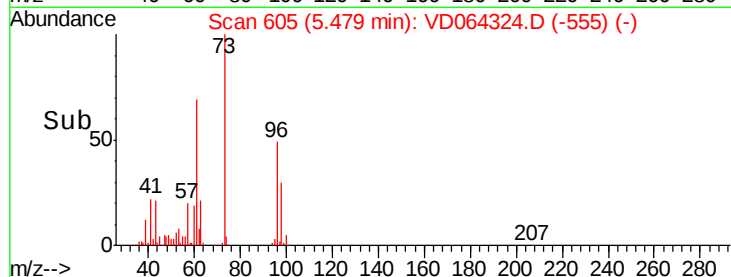
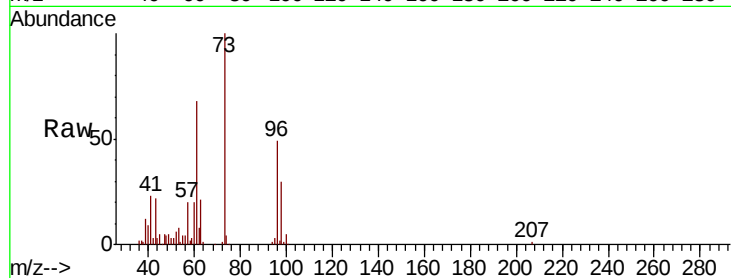




#19
Methvl tert-butvl Ether
Concen: 20.307 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

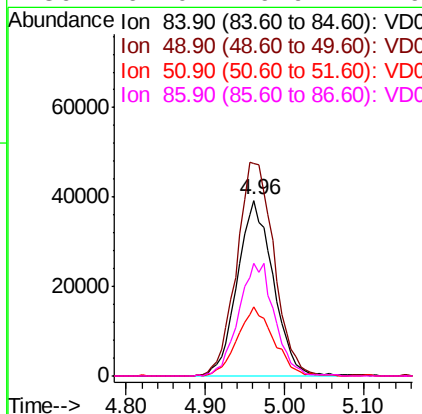
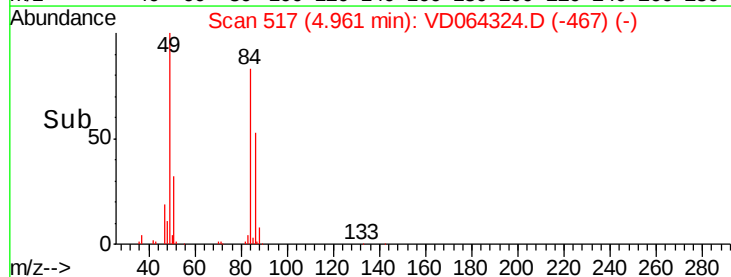
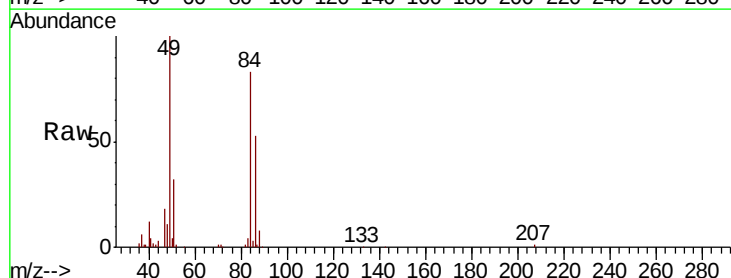
Instrument :
MSVOA_D
ClientSampleId :

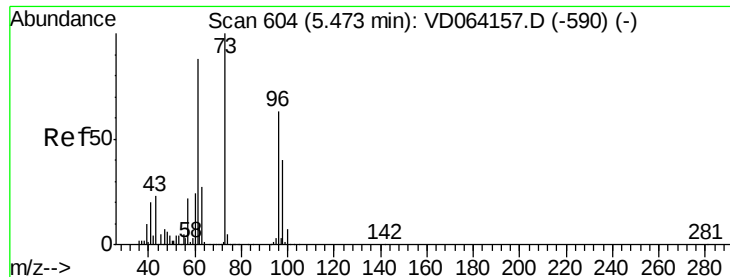
Tot Ion: 73 Resp: 251593
Ion Ratio Lower Upper
73 100
57 20.1 18.4 27.6



#20
Methylene Chloride
Concen: 20.324 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 84 Resp: 123539
Ion Ratio Lower Upper
84 100
49 121.1 102.1 153.1
51 39.1 32.2 48.2
86 64.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.961 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :

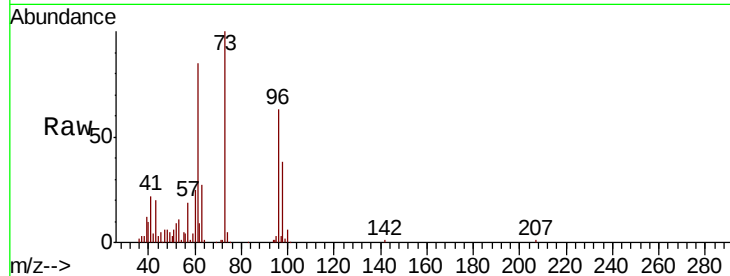
Tot Ion: 96 Resp: 117366

Ion Ratio Lower Upper

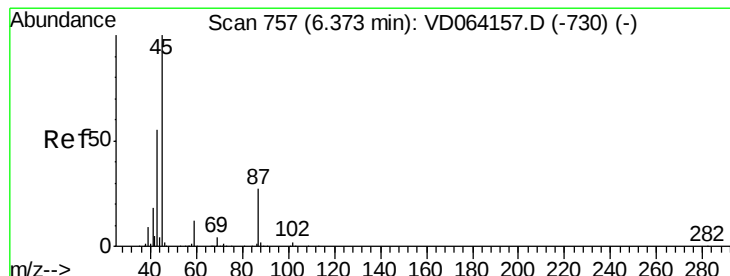
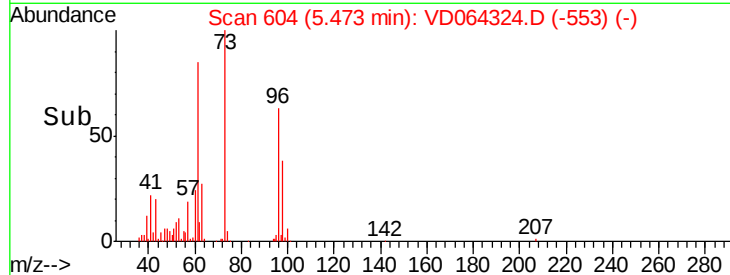
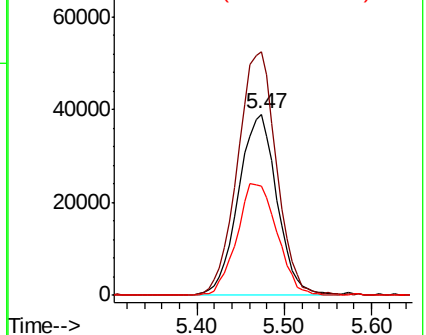
96 100

61 134.3 111.8 167.6

98 60.2 50.3 75.5



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: 19.497 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Tgt Ion: 45 Resp: 331941

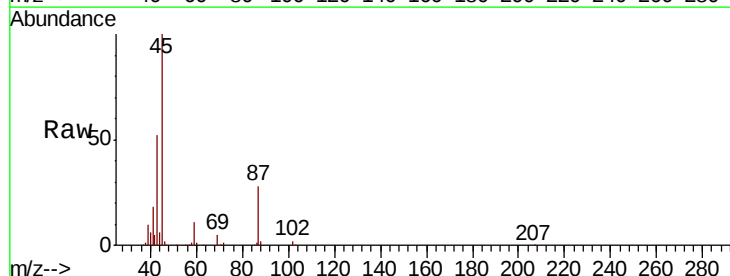
Ion Ratio Lower Upper

45 100

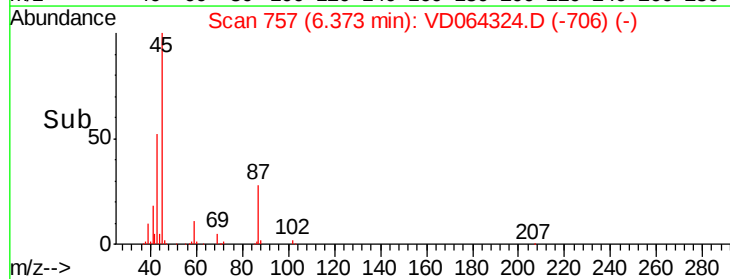
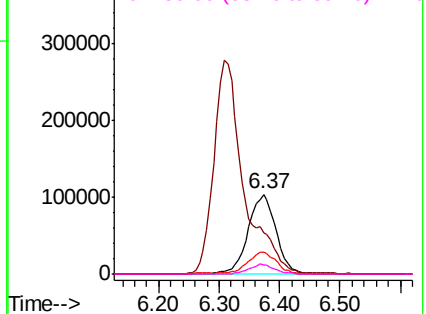
43 51.5 44.4 66.6

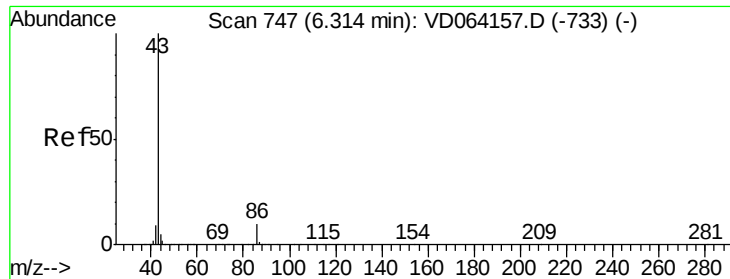
87 28.1 21.9 32.9

59 10.8 9.4 14.2



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

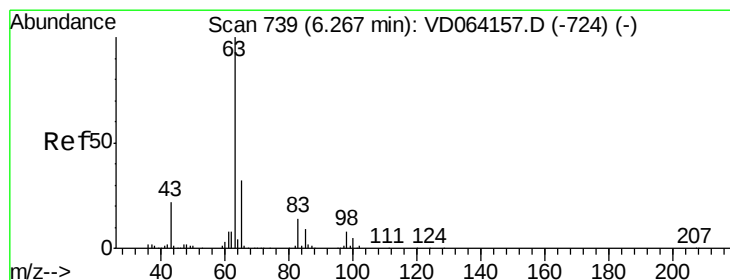
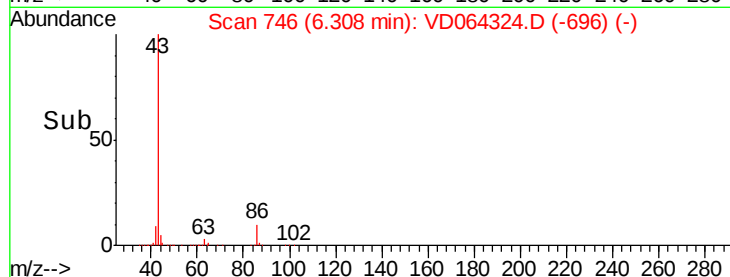
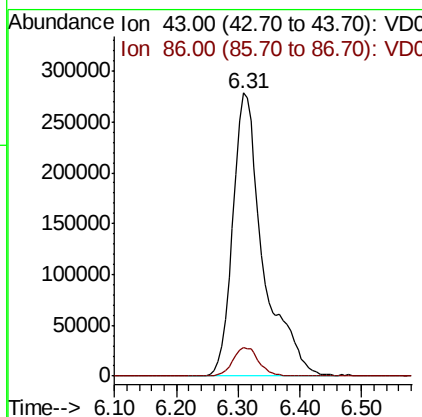
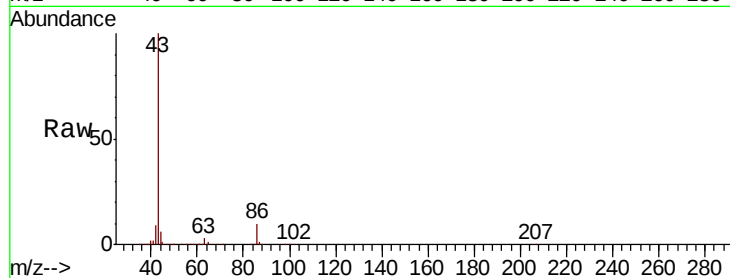




#23
 Vinyl Acetate
 Concen: 100.456 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

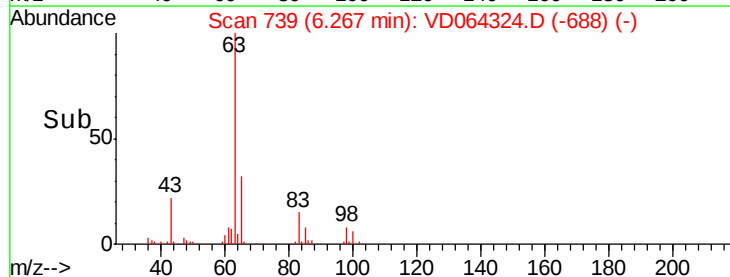
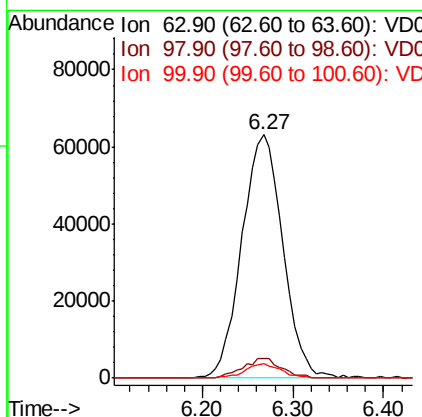
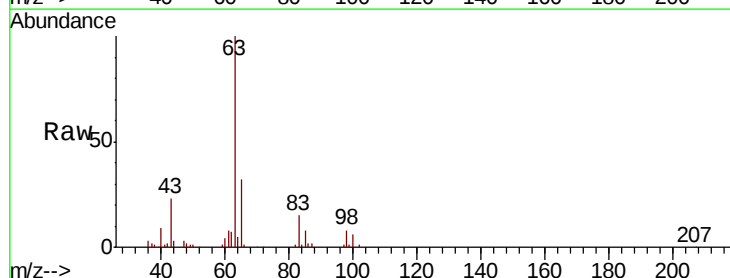
Instrument :
 MSVOA_D
 ClientSampleId :

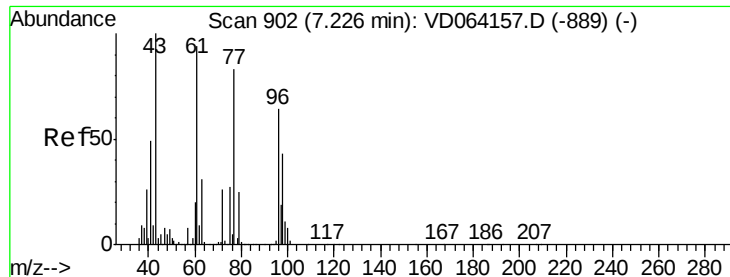
Tot Ion: 43 Resp: 953372
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.058 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion: 63 Resp: 198278
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.8 11.4
 100 5.8 2.4 7.2

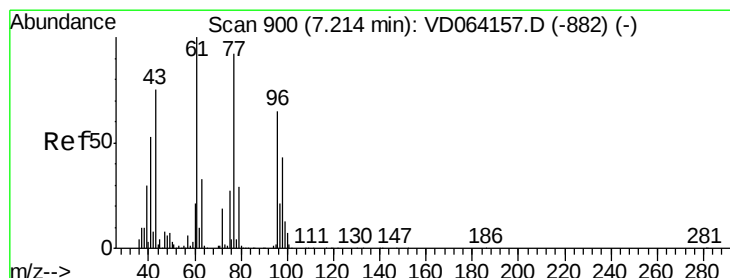
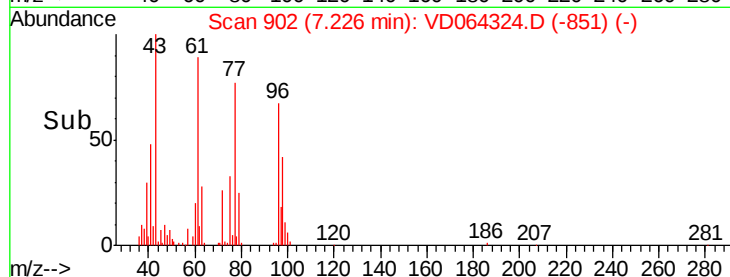
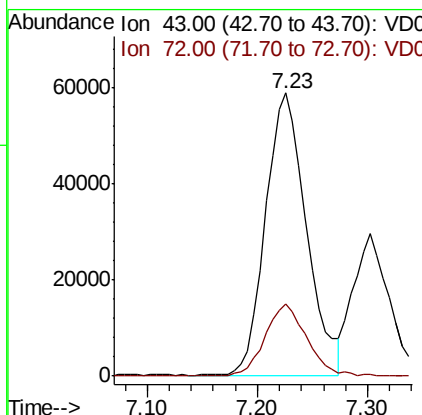
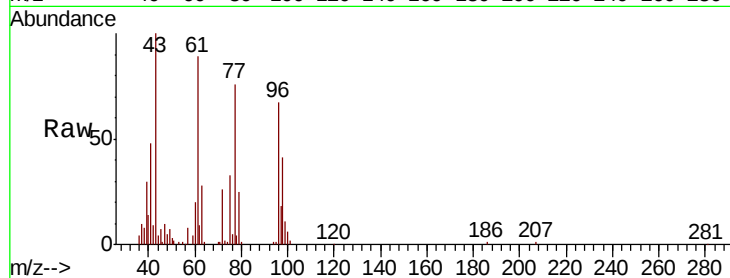




#25
2-Butanone
Concen: 97.407 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

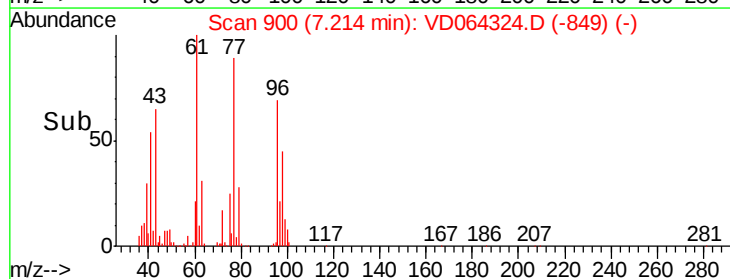
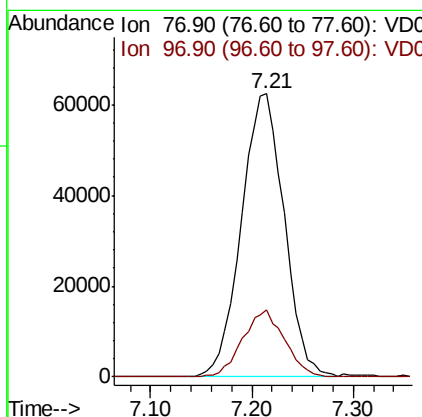
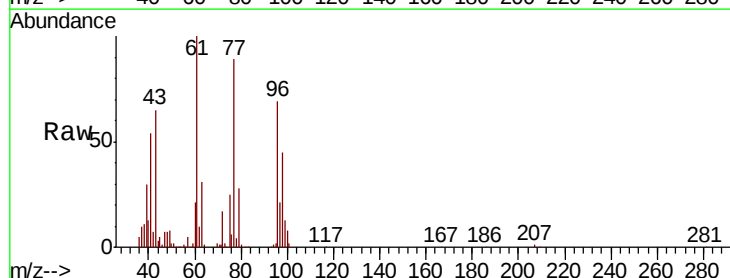
Instrument :
MSVOA_D
ClientSampleId :

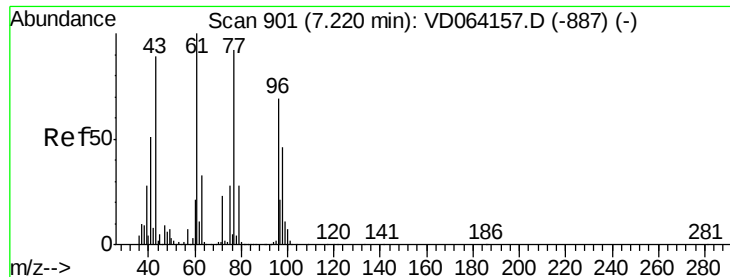
Tot Ion: 43 Resp: 151438
Ion Ratio Lower Upper
43 100
72 25.7 20.6 30.8



#26
2,2-Dichloropropane
Concen: 18.830 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 77 Resp: 182544
Ion Ratio Lower Upper
77 100
97 23.2 11.1 33.3



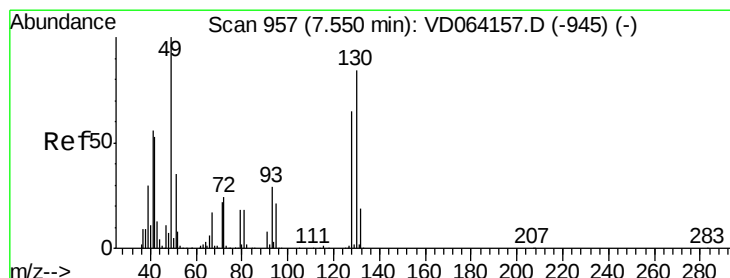
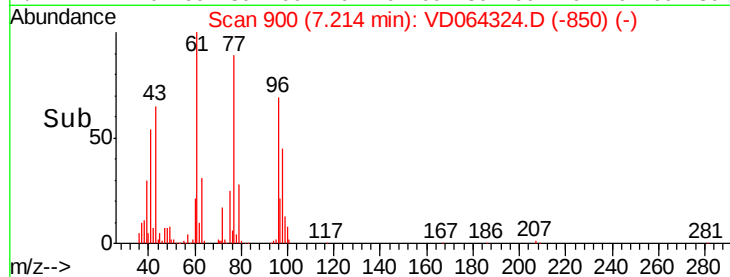
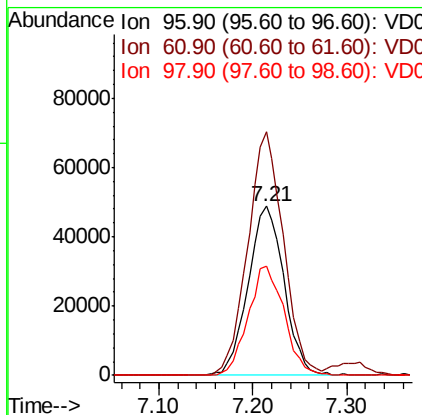
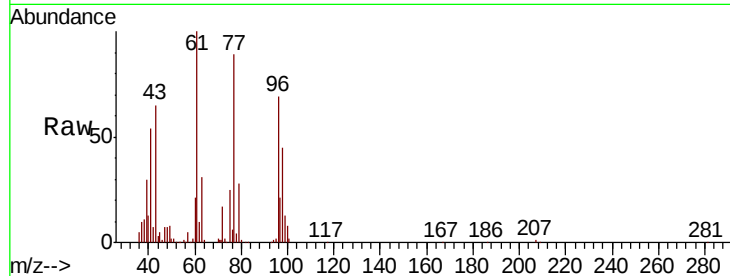


#27

cis-1,2-Dichloroethene
 Concen: 20.481 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Instrument :
 MSVOA_D
 ClientSampleId :

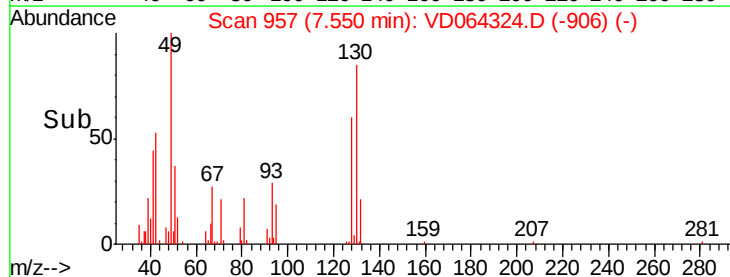
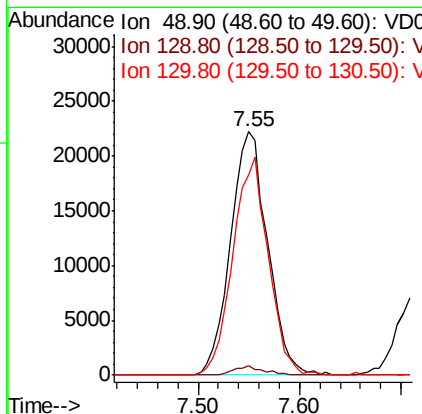
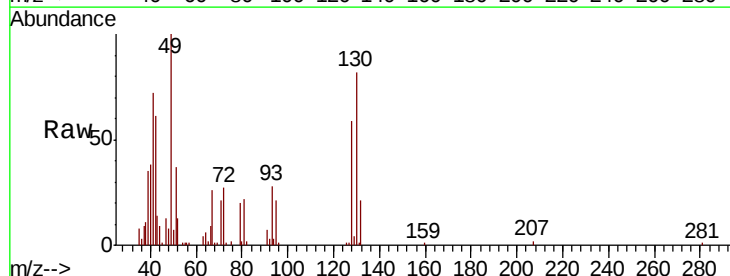
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	301.4
98	64.4	0.0	133.2

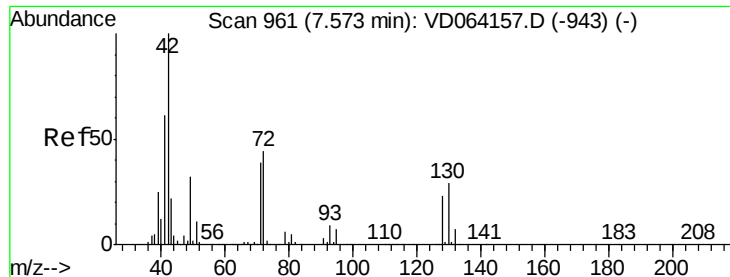


#28

Bromochloromethane
 Concen: 16.391 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.4
130	85.6	66.8	100.2

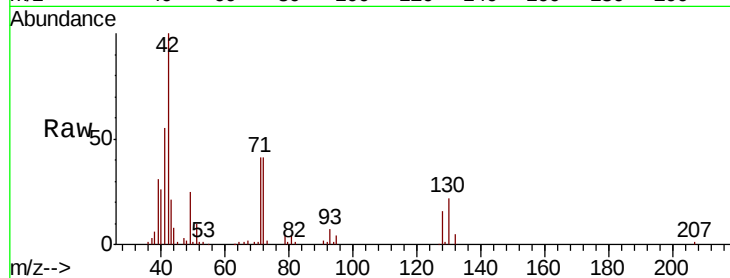




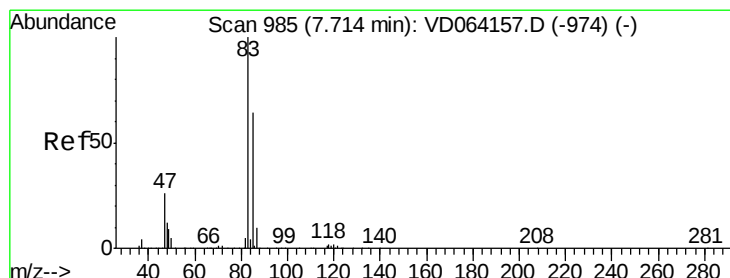
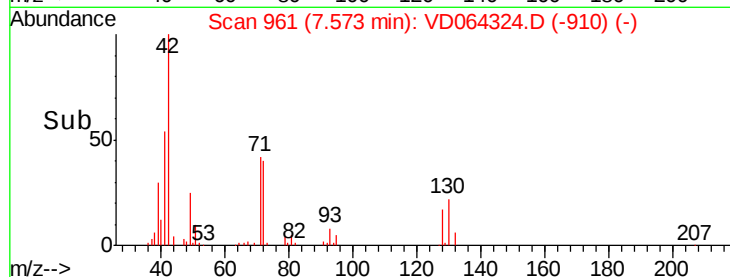
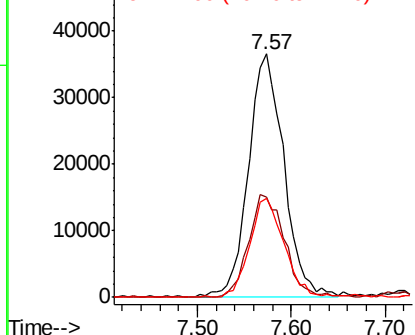
#29
Tetrahydrofuran
Concen: 102.331 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 95586
Ion Ratio Lower Upper
42 100
72 42.6 33.4 50.2
71 39.1 31.0 46.4

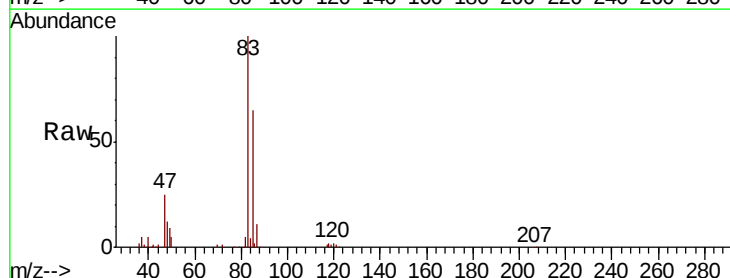


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

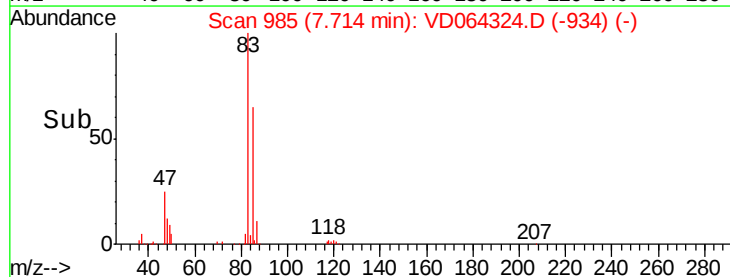
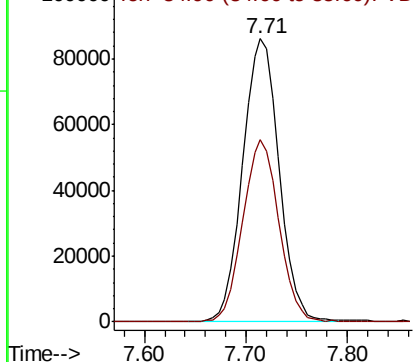


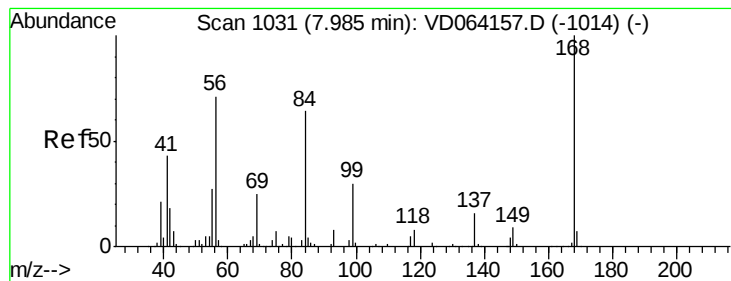
#30
Chloroform
Concen: 21.261 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 83 Resp: 214988
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0



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





#31

Cyclohexane

Concen: 18.978 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :

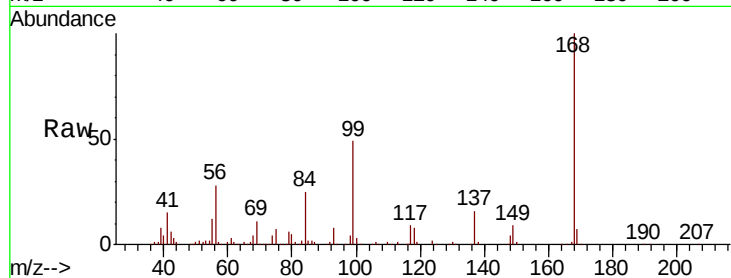
Tot Ion: 56 Resp: 189210

Ion Ratio Lower Upper

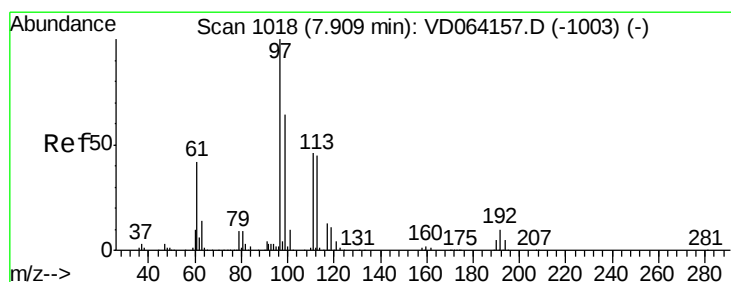
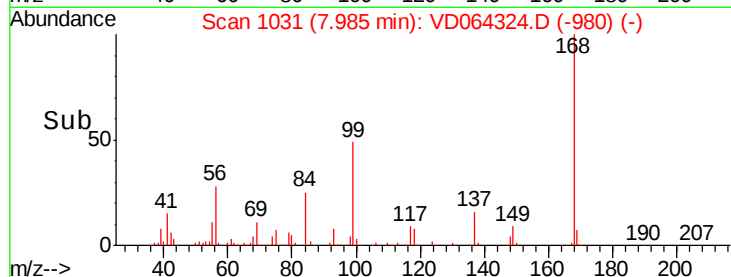
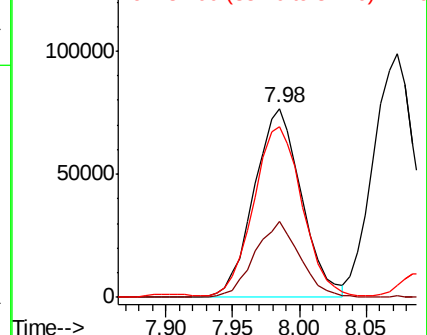
56 100

69 39.8 28.2 42.4

84 89.4 71.8 107.6



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: 20.123 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

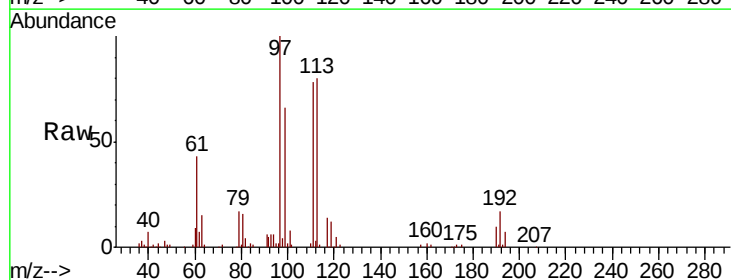
Tgt Ion: 97 Resp: 194838

Ion Ratio Lower Upper

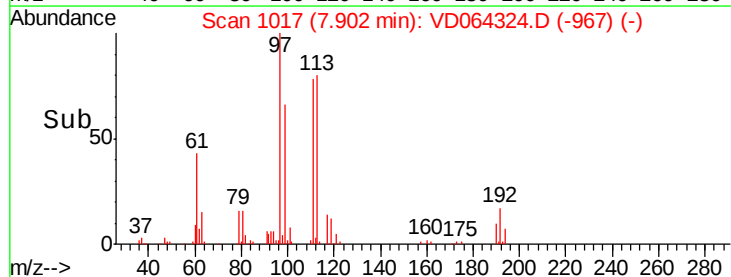
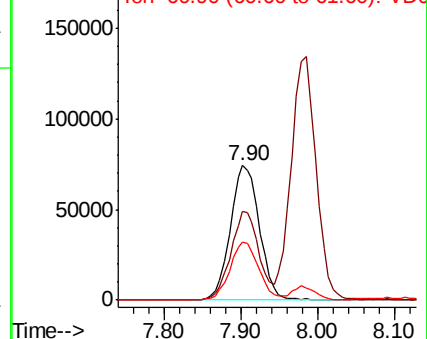
97 100

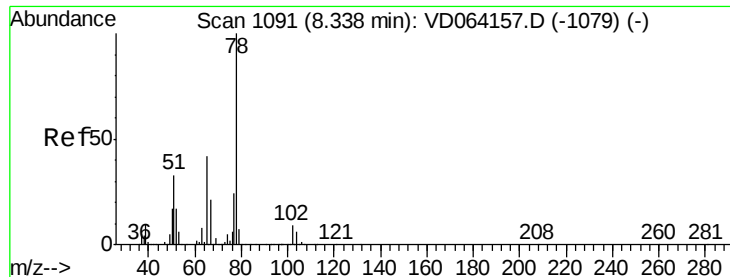
99 64.2 51.6 77.4

61 42.5 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 48.299 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

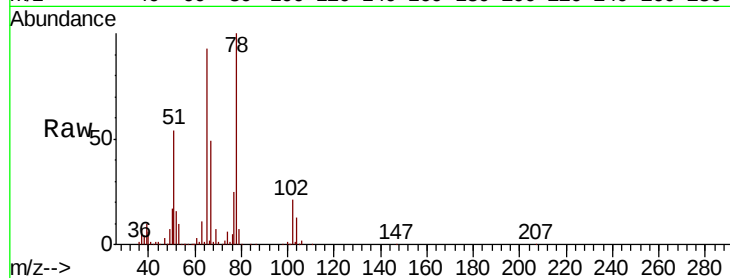
ClientSampleId :

Tot Ion: 65 Resp: 245344

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

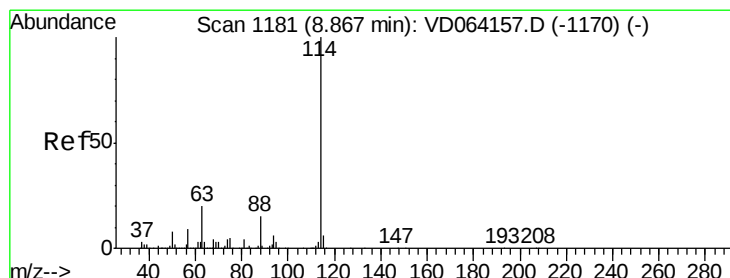
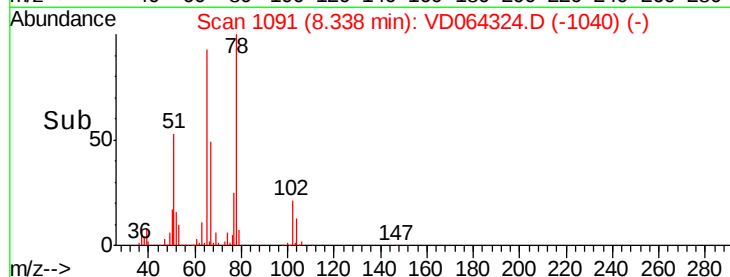
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

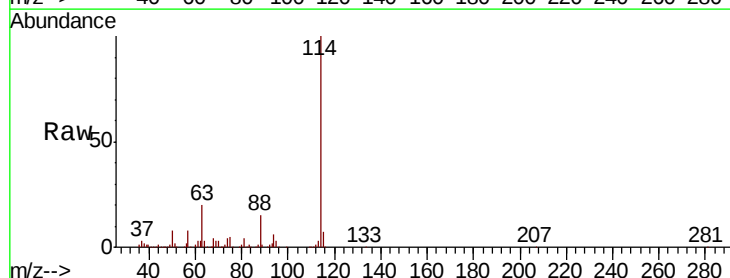
Tgt Ion: 114 Resp: 886210

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

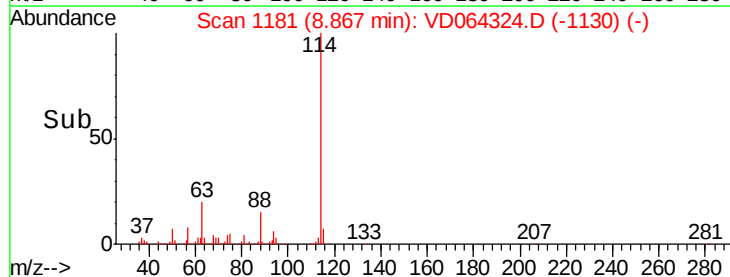
300000

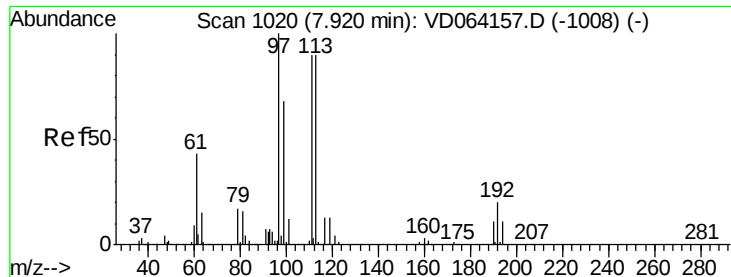
200000

100000

0

Time--> 8.80 8.90 9.00

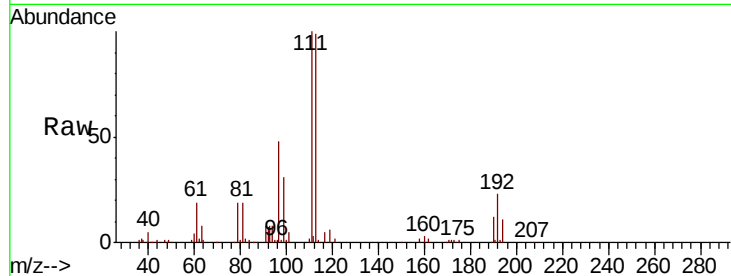




#35
 Dibromofluoromethane
 Concen: 49.430 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	24.4	18.8	28.2

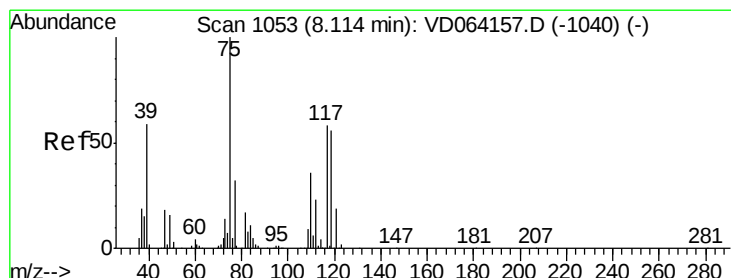
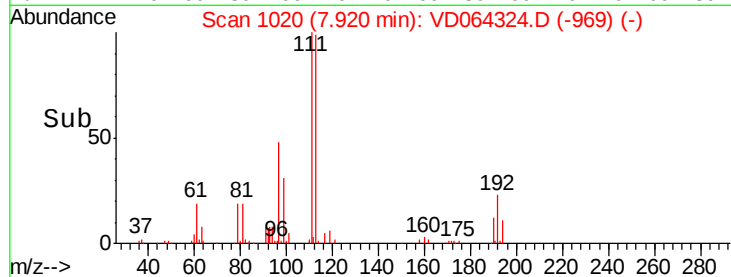
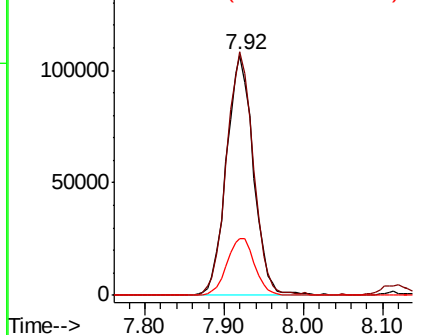


Abundance

Ion 112.80 (112.50 to 113.50): V

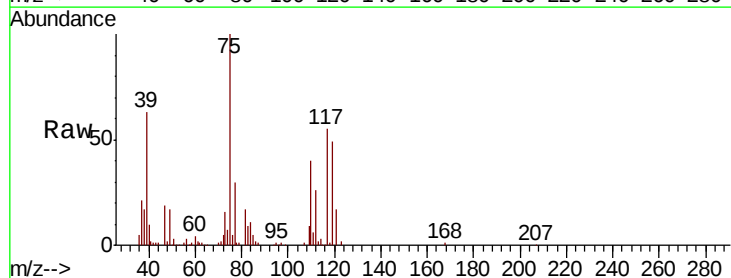
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.498 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	18.3	54.9
77	31.1	25.0	37.6

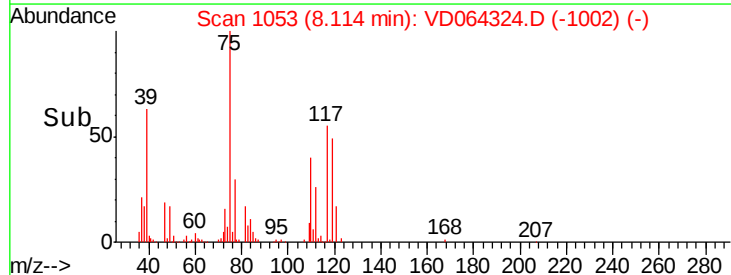
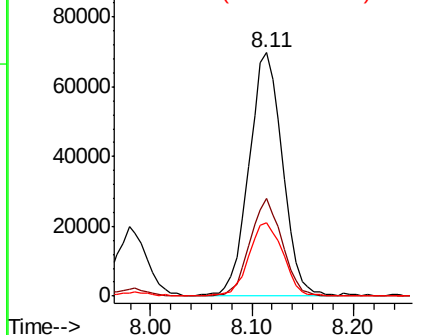


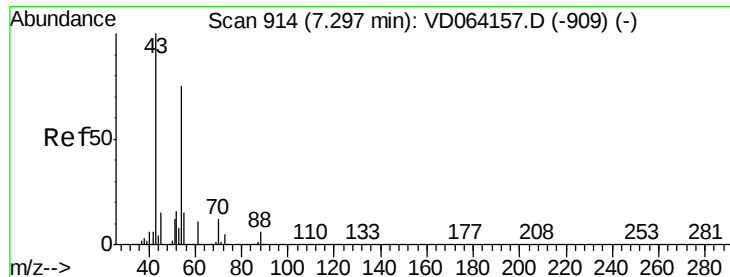
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

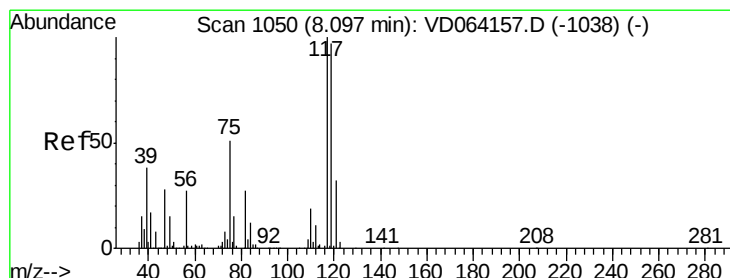
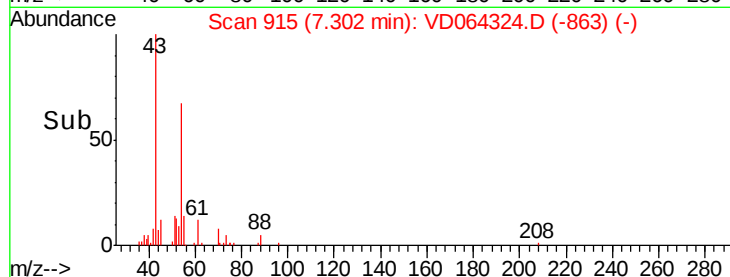
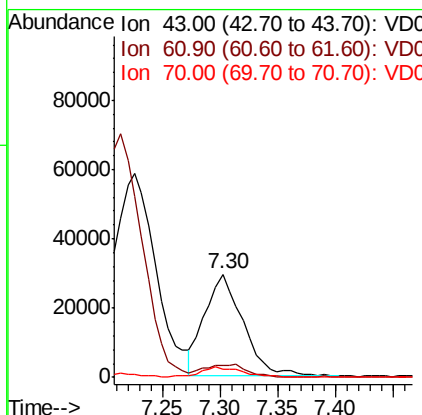
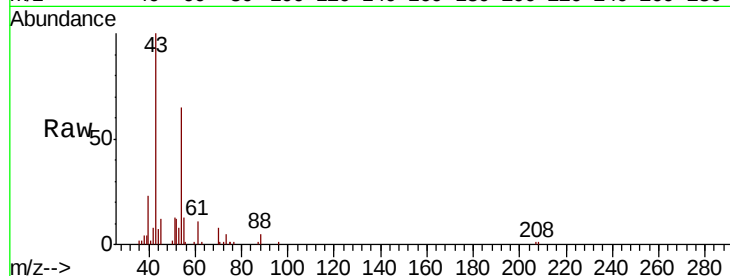




#37
Ethyl Acetate
Concen: 19.802 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

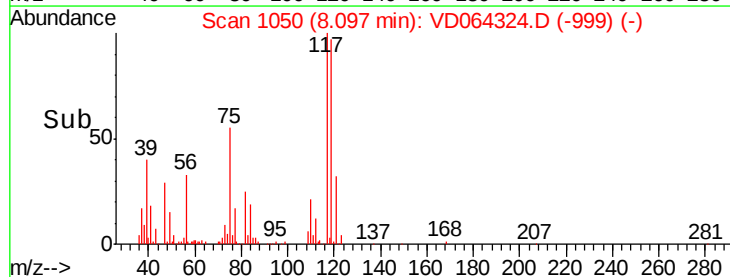
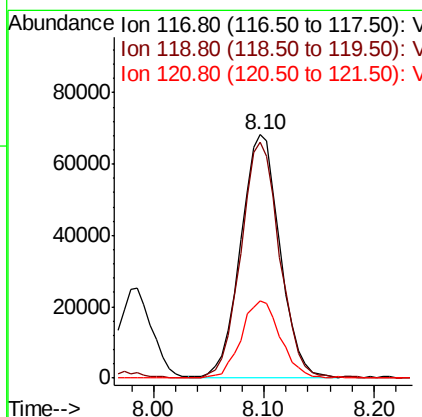
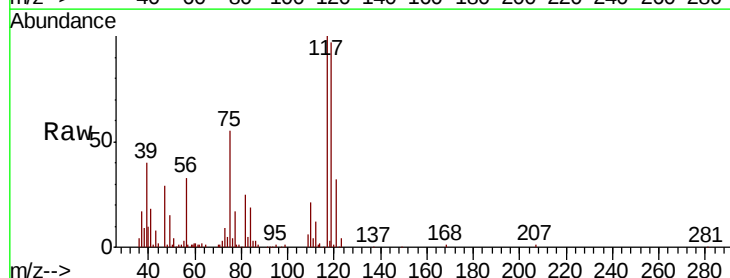
Instrument :
MSVOA_D
ClientSampleID :

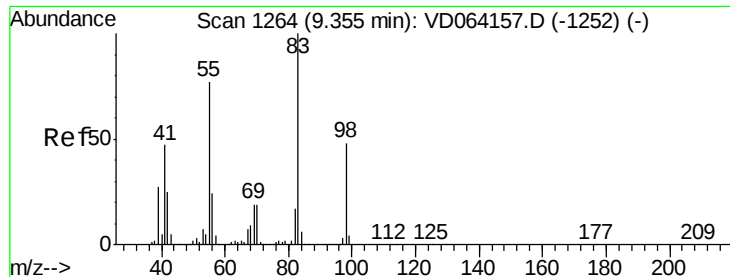
Tot Ion: 43 Resp: 68277
Ion Ratio Lower Upper
43 100
61 14.5 10.2 15.2
70 10.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.339 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 117 Resp: 169245
Ion Ratio Lower Upper
117 100
119 97.4 77.2 115.8
121 31.8 25.5 38.3

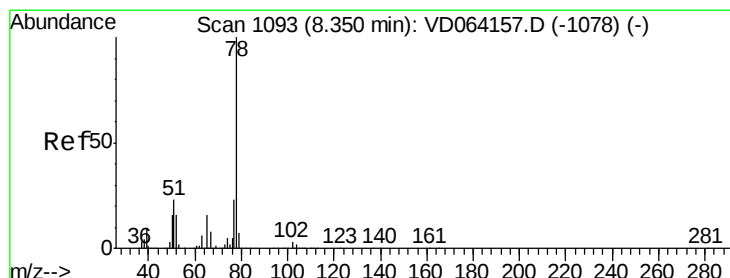
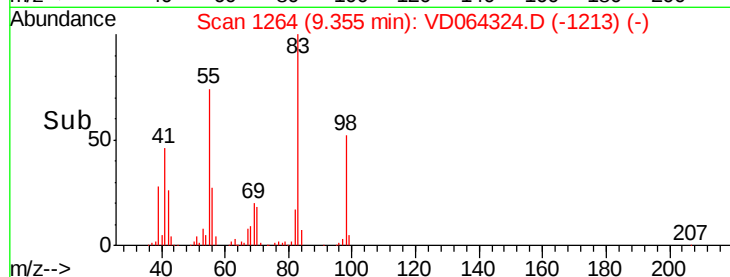
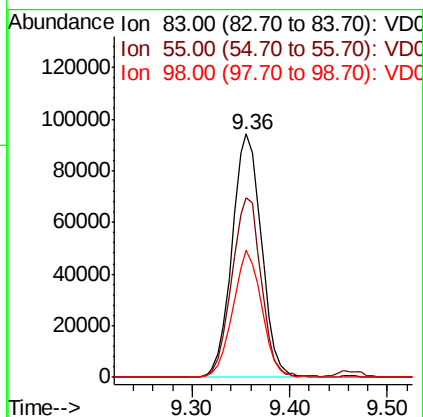
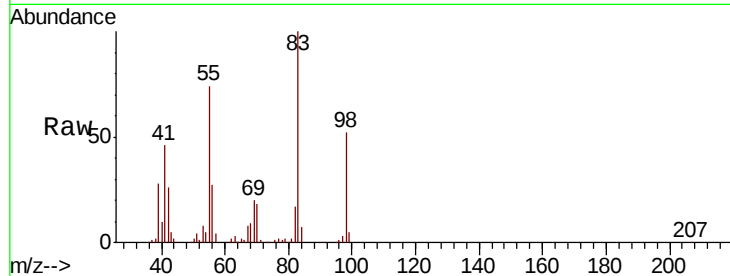




#39
Methvlcvclohexane
Concen: 19.087 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

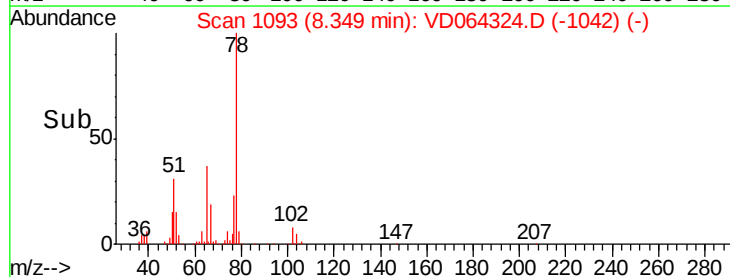
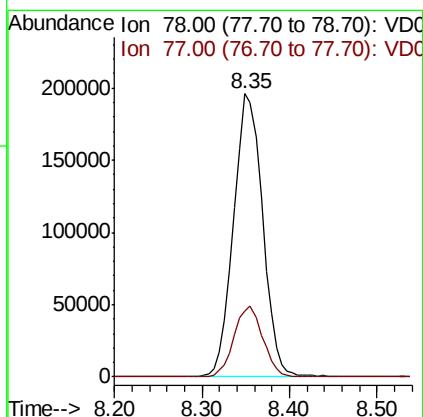
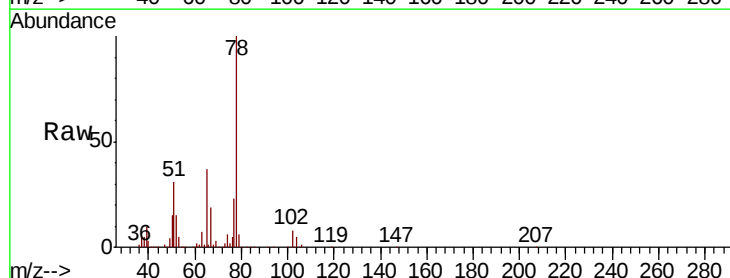
Instrument :
MSVOA_D
ClientSampleId :

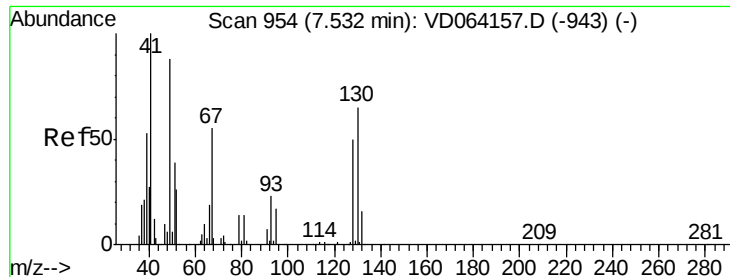
Tot Ion: 83 Resp: 197541
Ion Ratio Lower Upper
83 100
55 73.6 61.7 92.5
98 52.3 38.6 58.0



#40
Benzene
Concen: 19.764 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 78 Resp: 441792
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0

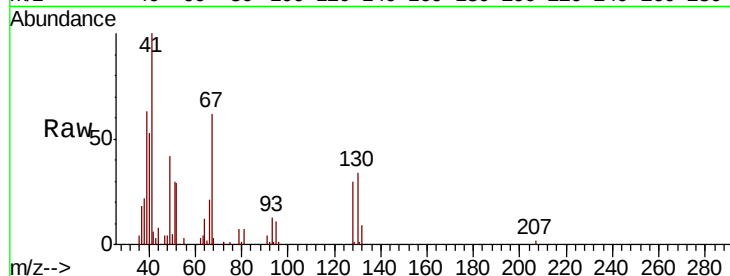




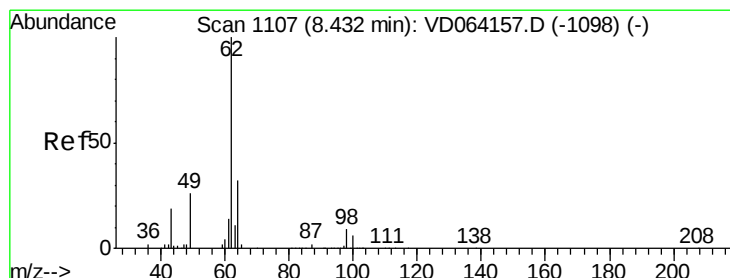
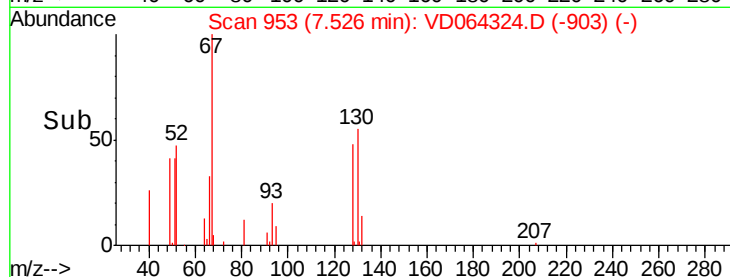
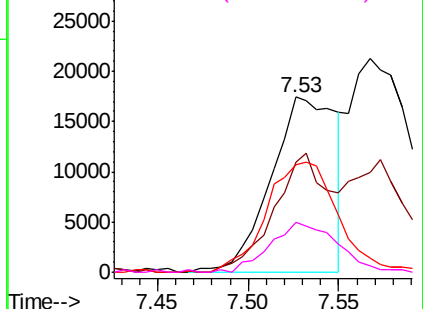
#41
Methacrylonitrile
Concen: 20.033 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	43414
Ion	Ratio	Lower	Upper
41	100		
39	58.3	49.4	74.2
67	69.2	49.6	74.4
52	29.6	21.4	32.0

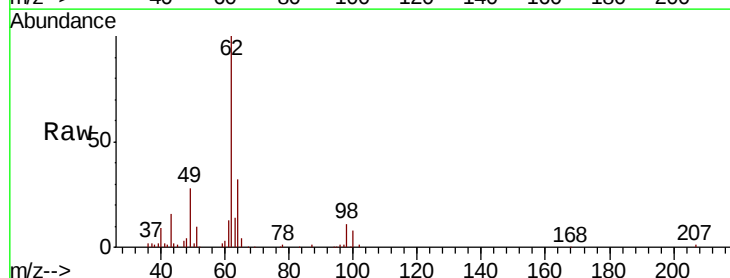


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

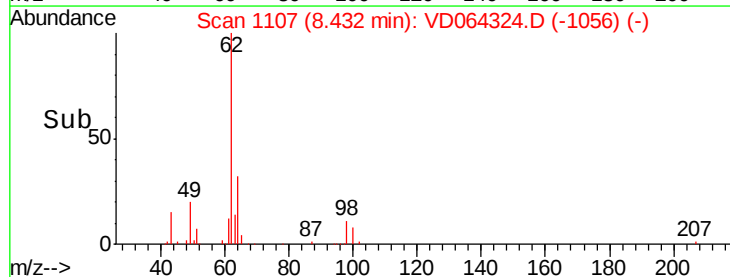
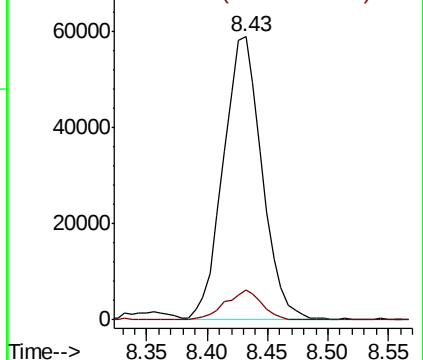


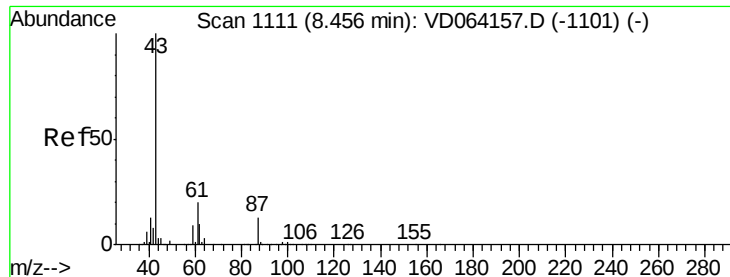
#42
1,2-Dichloroethane
Concen: 19.409 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion:	62	Resp:	130303
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 19.458 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

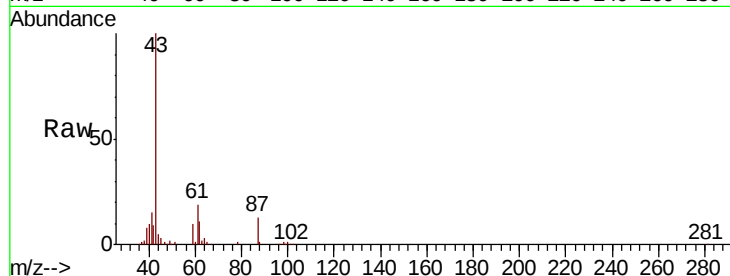
Tot Ion: 43 Resp: 138234

Ion Ratio Lower Upper

43 100

61 28.6 22.9 34.3

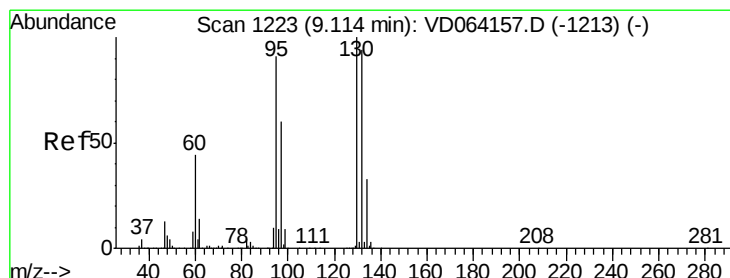
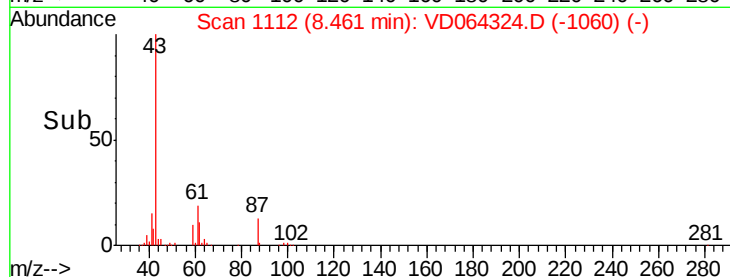
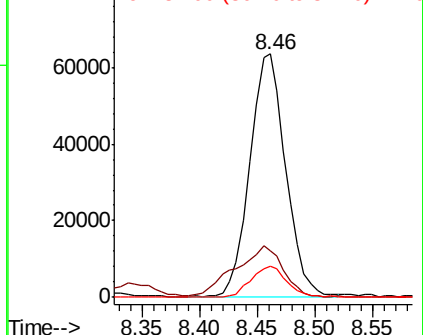
87 12.7 10.2 15.2



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: 20.355 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064324.D

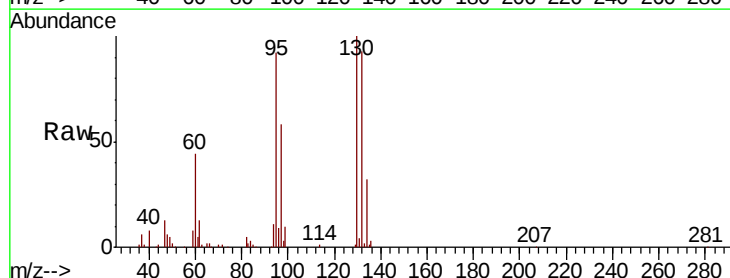
Acq: 21 Nov 2019 15:01

Tgt Ion:130 Resp: 136557

Ion Ratio Lower Upper

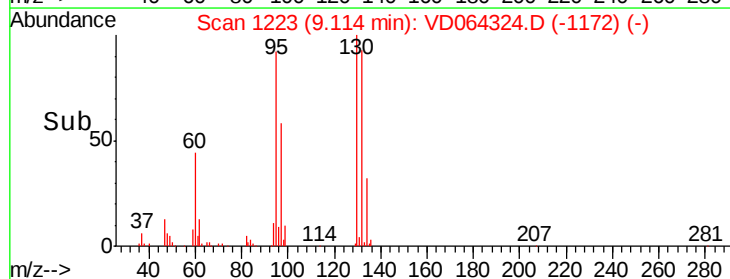
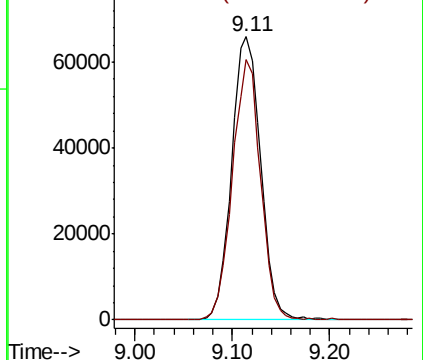
130 100

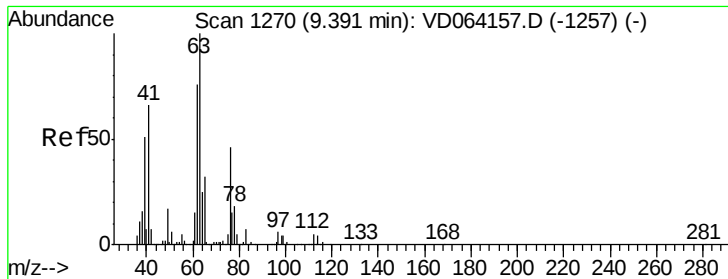
95 92.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.766 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

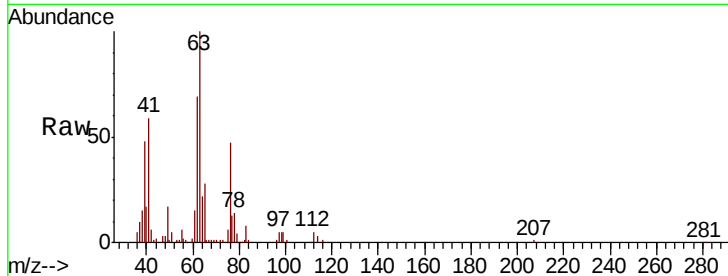
ClientSampleId :

Tot Ion: 63 Resp: 107543

Ion Ratio Lower Upper

63 100

65 28.2 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

60000

50000

40000

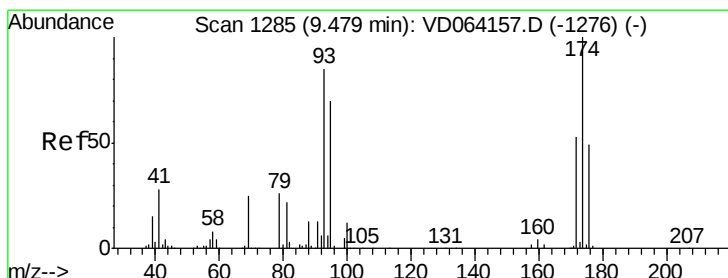
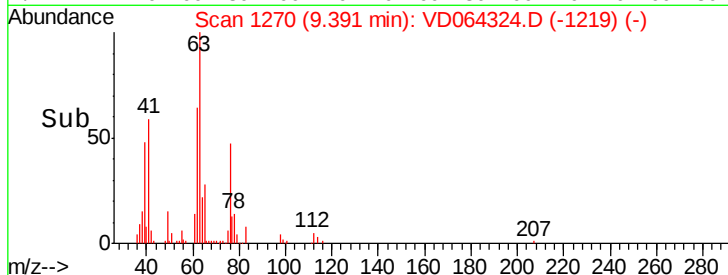
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.966 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

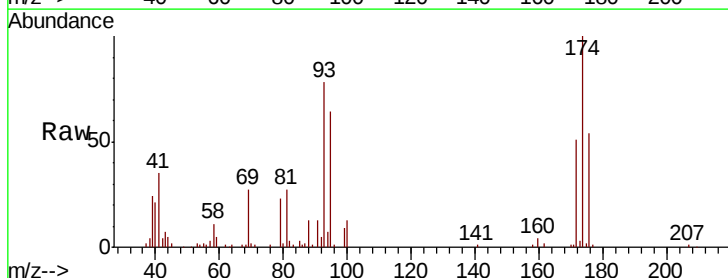
Tgt Ion: 93 Resp: 58155

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 122.2 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

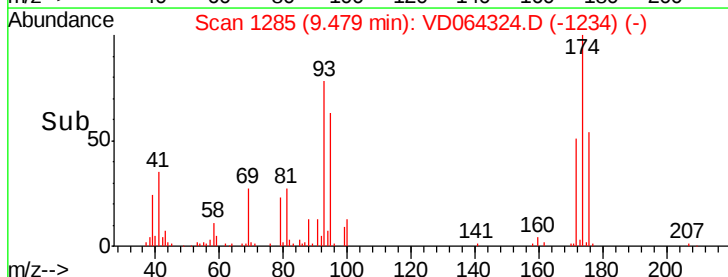
30000

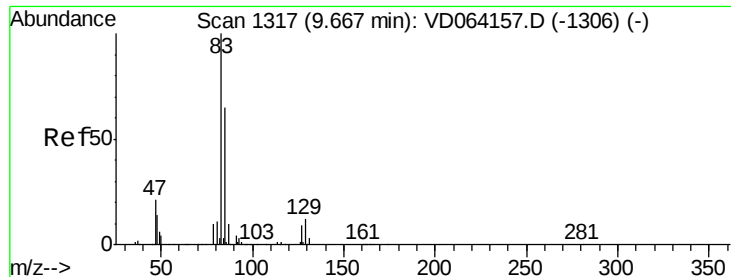
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 19.879 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampled :

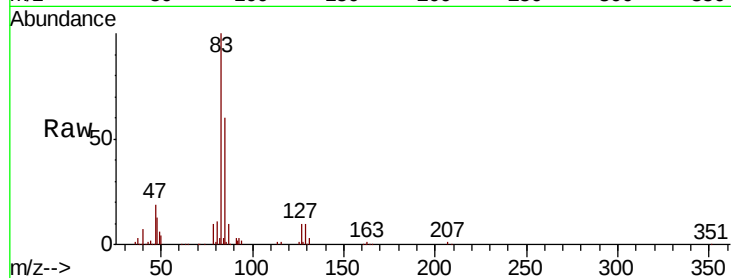
Tot Ion: 83 Resp: 155967

Ion Ratio Lower Upper

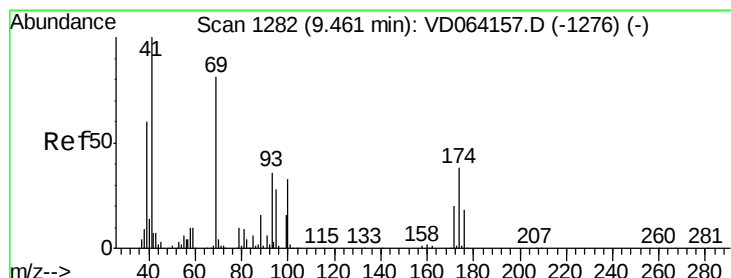
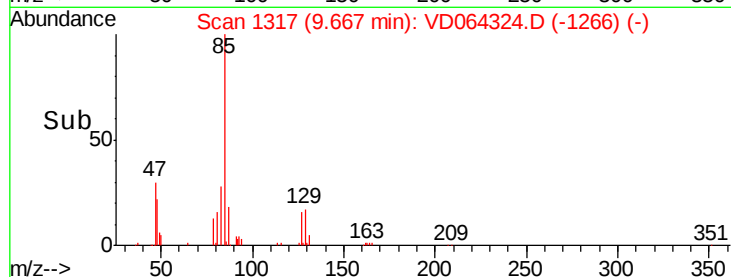
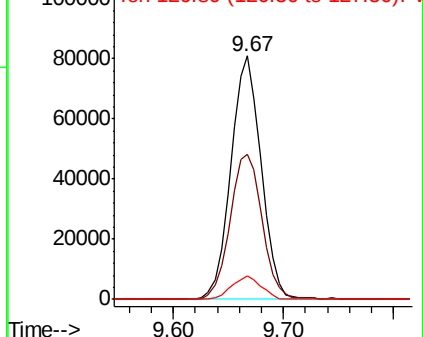
83 100

85 59.8 52.2 78.4

127 9.8 7.5 11.3



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: 18.696 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

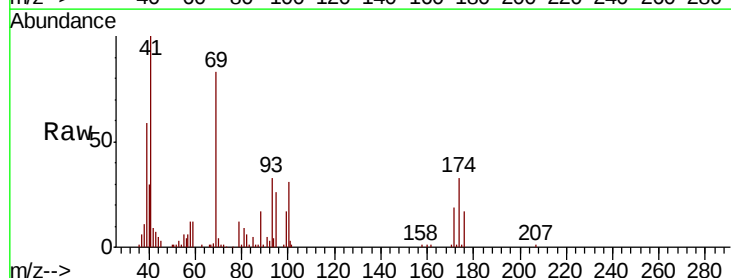
Tgt Ion: 41 Resp: 64947

Ion Ratio Lower Upper

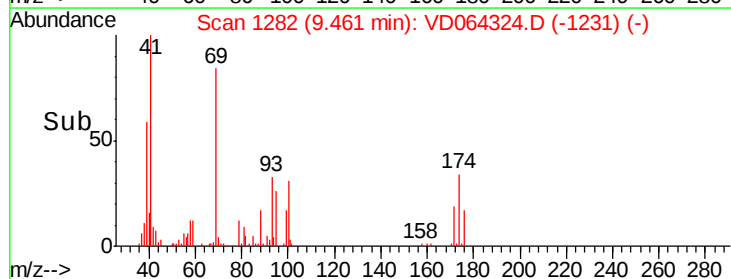
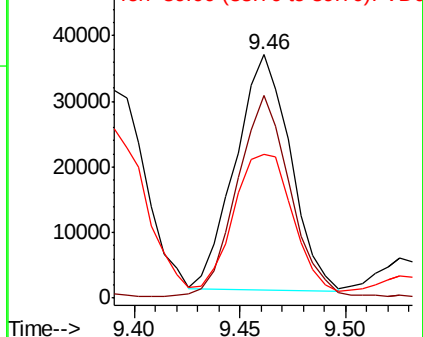
41 100

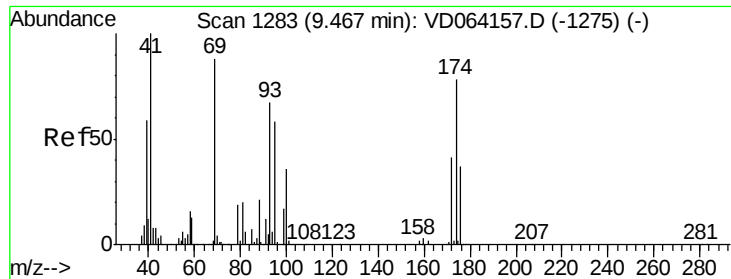
69 85.6 64.6 97.0

39 60.9 48.2 72.2



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

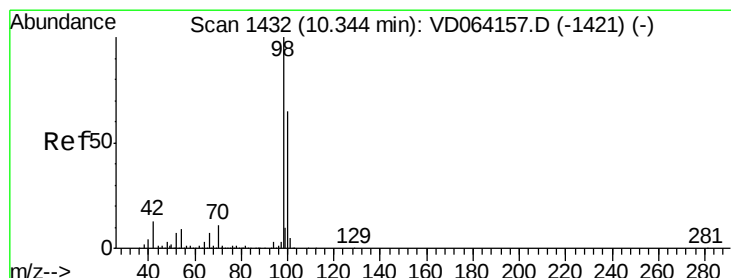
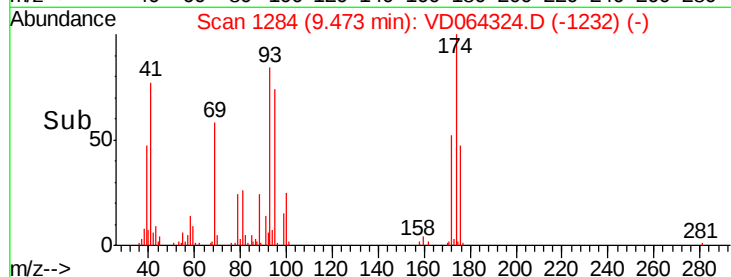
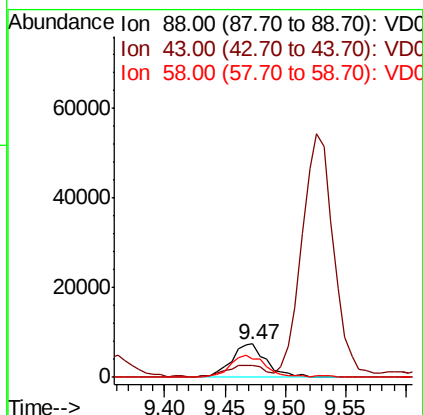
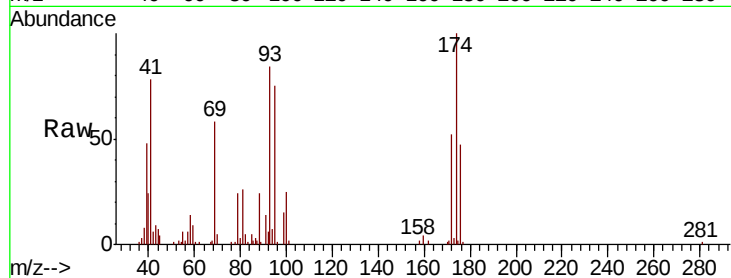




#49
1,4-Dioxane
Concen: 433.912 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

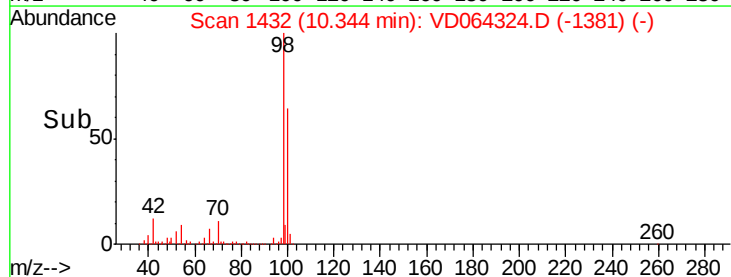
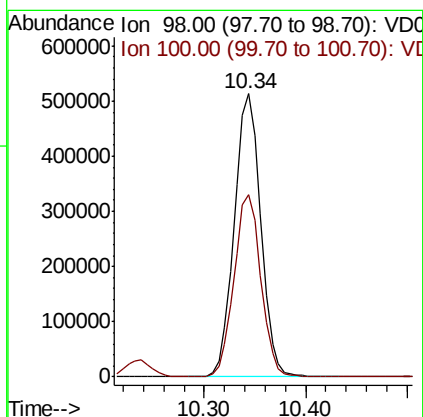
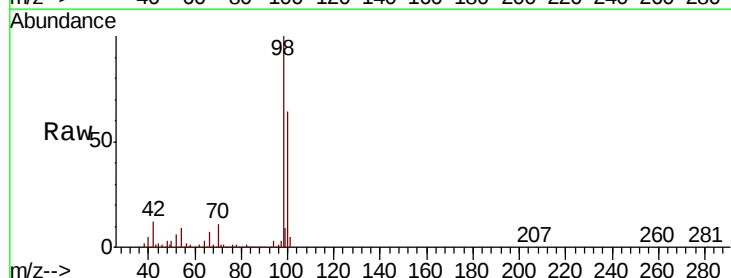
Instrument :
MSVOA_D
ClientSampleId :

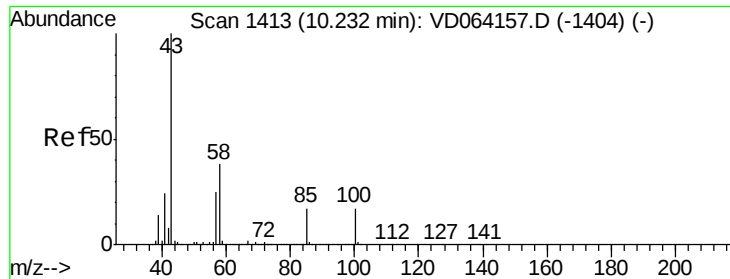
Tot Ion: 88 Resp: 15179
Ion Ratio Lower Upper
88 100
43 37.7 29.8 44.8
58 66.5 58.1 87.1



#50
Toluene-d8
Concen: 48.658 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 98 Resp: 933756
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 98.763 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

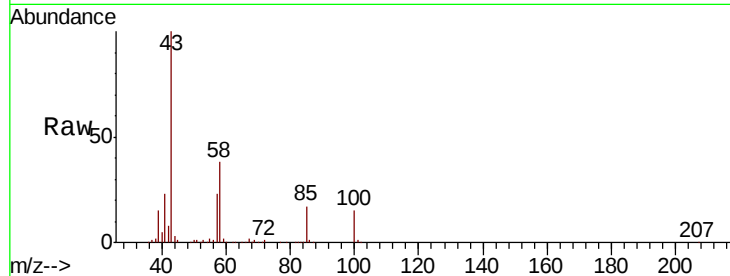
ClientSampleId :

Tot Ion: 43 Resp: 336474

Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

150000

100000

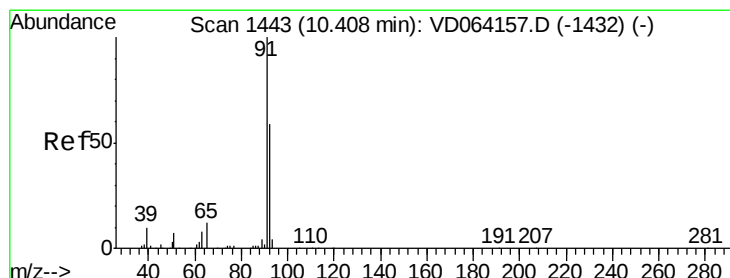
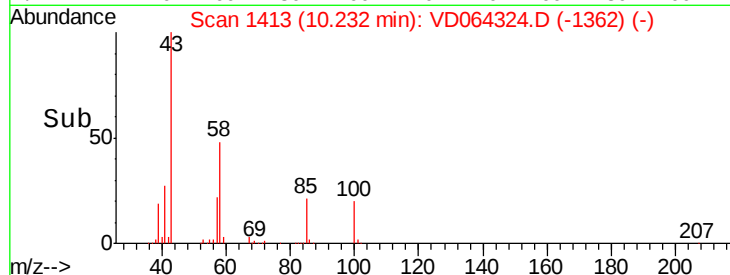
50000

0

Time-->

10.20

10.30



#52

Toluene

Concen: 19.698 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064324.D

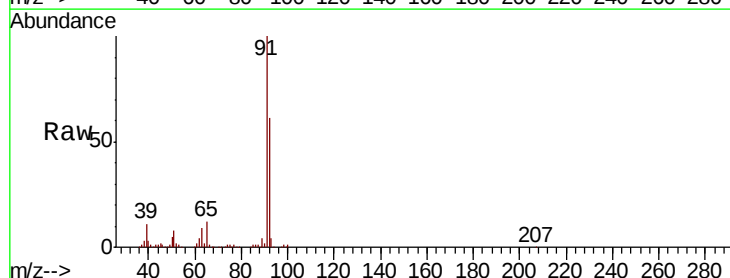
Acq: 21 Nov 2019 15:01

Tgt Ion: 92 Resp: 289534

Ion Ratio Lower Upper

92 100

91 171.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

300000

250000

200000

150000

100000

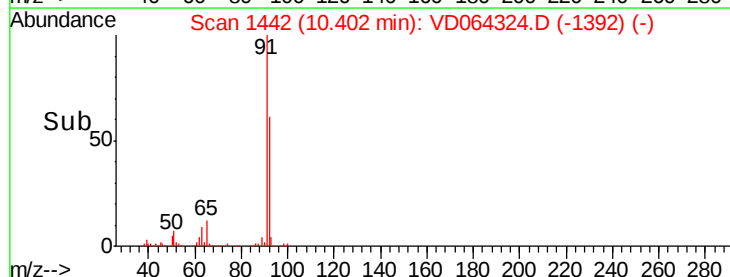
50000

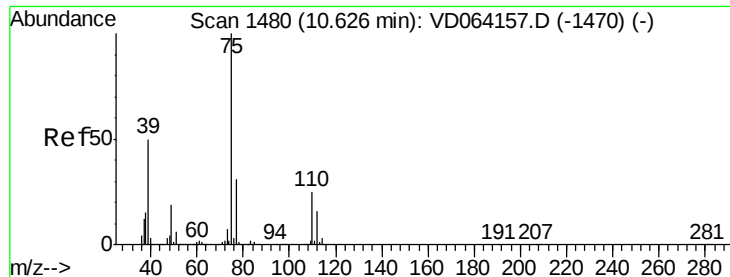
0

Time-->

10.30

10.50





#53

t-1,3-Dichloropropene

Concen: 18.810 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

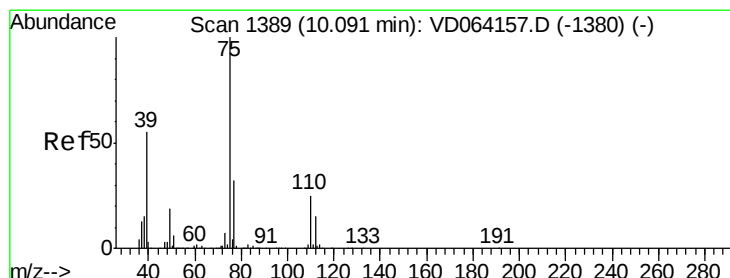
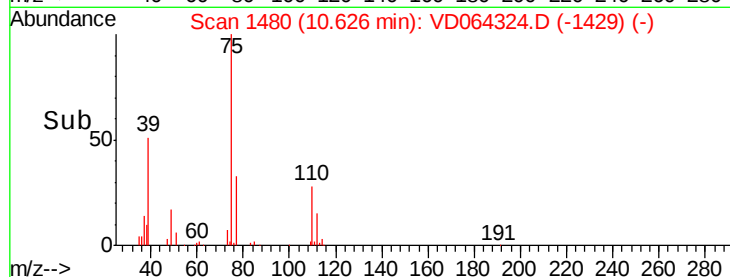
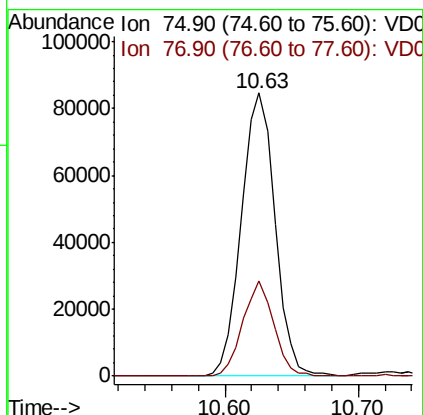
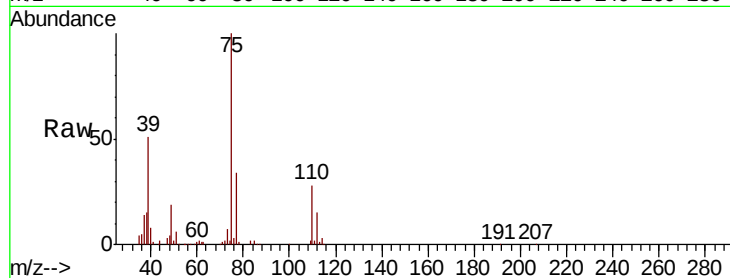
ClientSampleId :

Tot Ion: 75 Resp: 147848

Ion Ratio Lower Upper

75 100

77 33.7 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

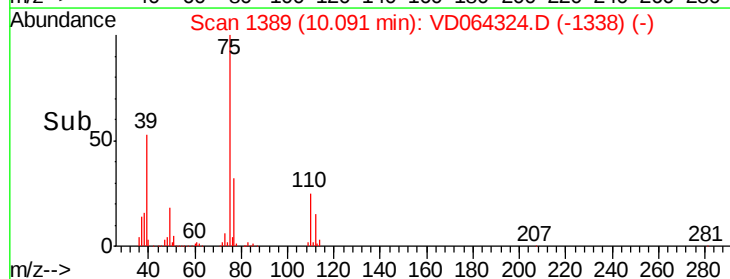
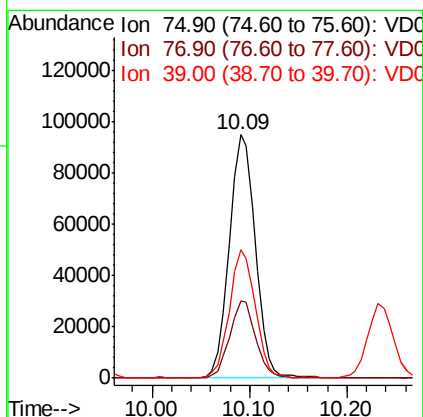
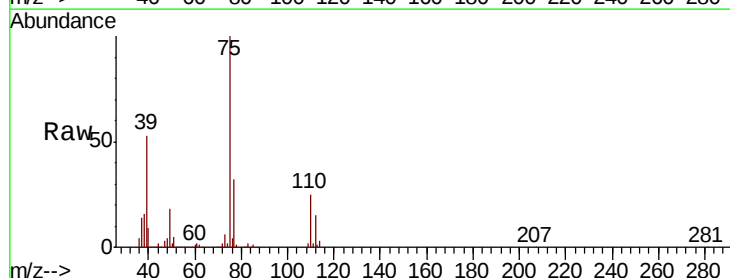
Tgt Ion: 75 Resp: 176667

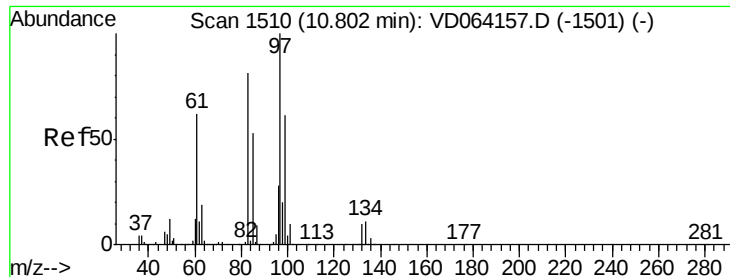
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 52.4 44.2 66.2

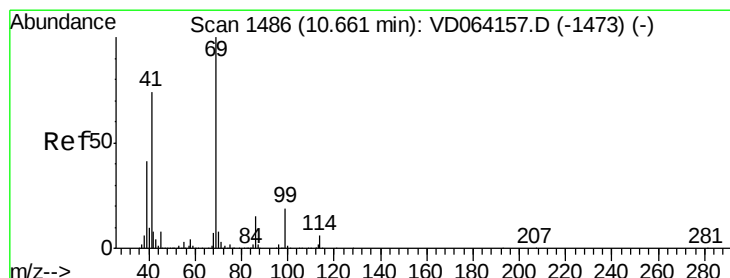
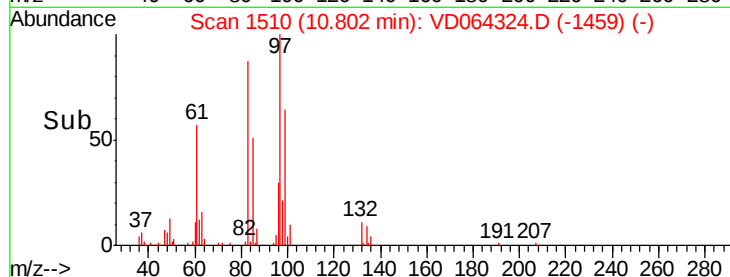
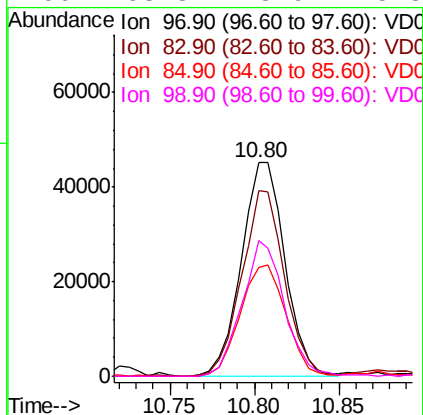
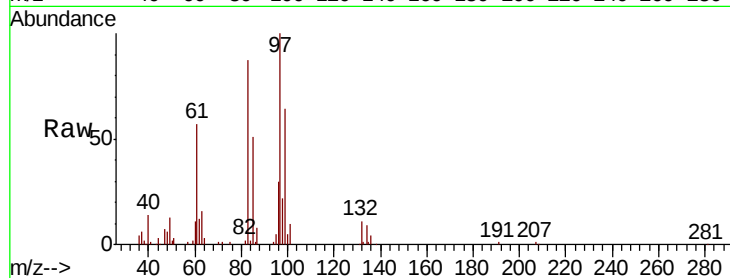




#55
 1,1,2-Trichloroethane
 Concen: 20.550 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

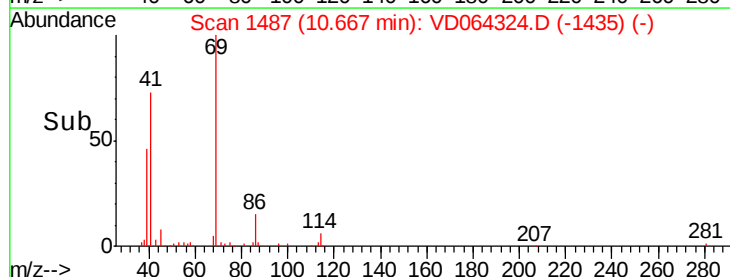
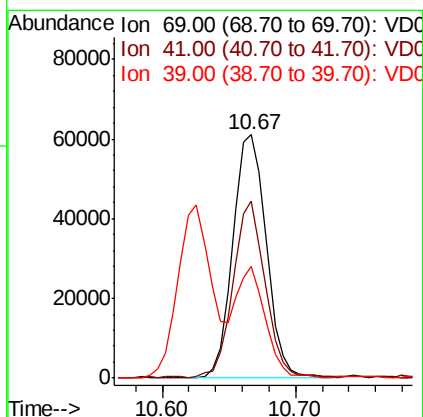
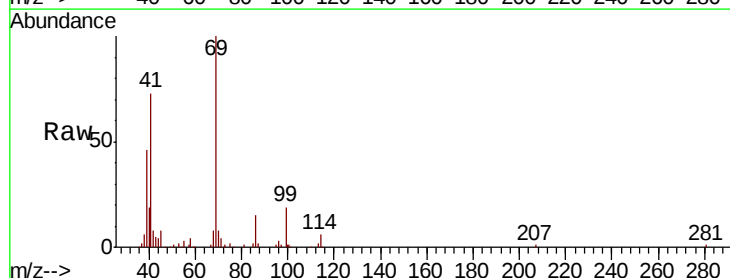
Instrument :
 MSVOA_D
 ClientSampleId :

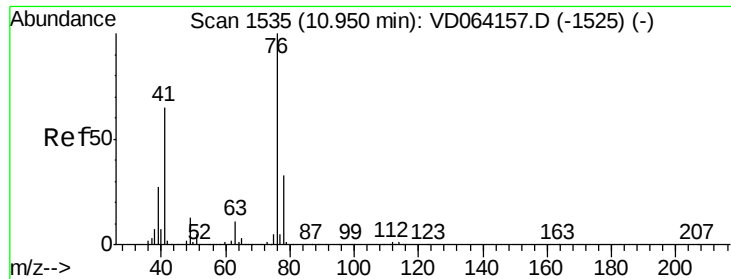
Tot Ion:	97	Resp:	81201
Ion	Ratio	Lower	Upper
97	100		
83	87.1	65.1	97.7
85	51.0	42.0	63.0
99	63.8	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.328 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion:	69	Resp:	106835
Ion	Ratio	Lower	Upper
69	100		
41	69.1	57.9	86.9
39	39.1	29.0	43.4

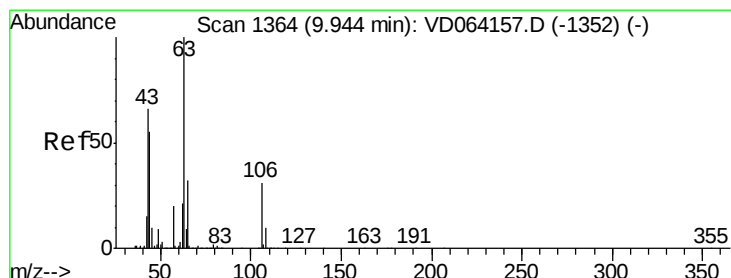
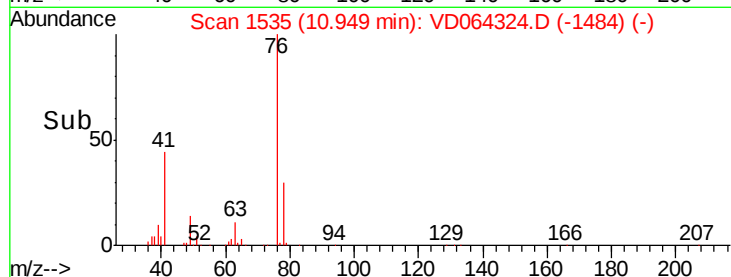
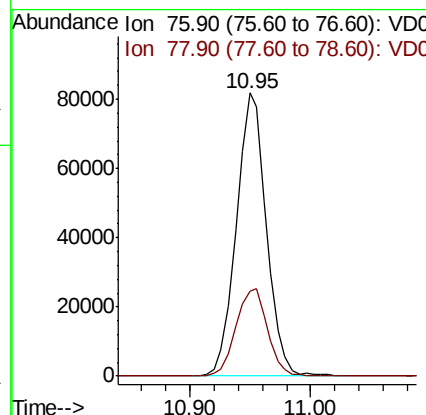
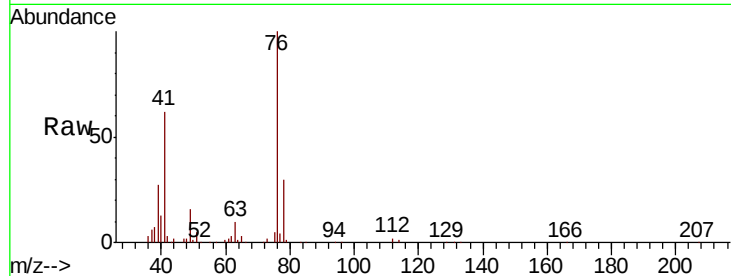




#57
 1,3-Dichloropropane
 Concen: 20.542 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

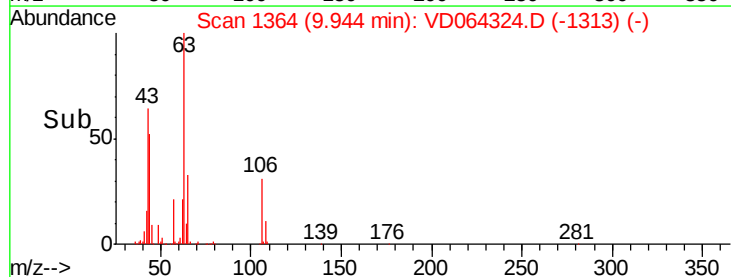
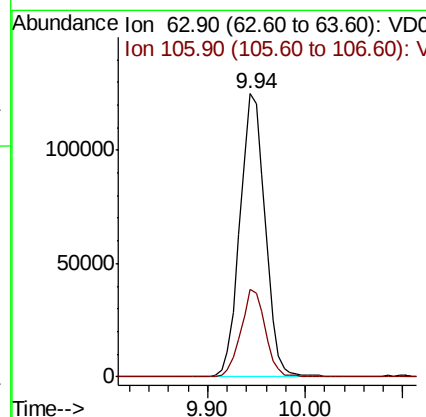
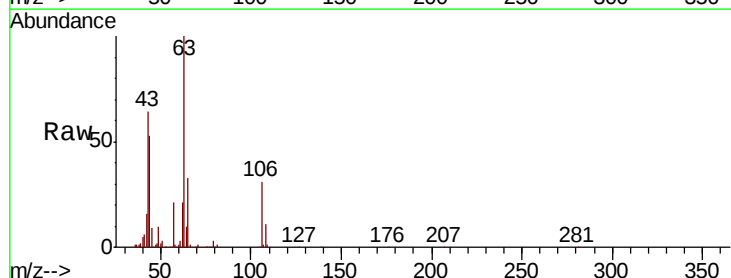
Instrument :
 MSVOA_D
 ClientSampleId :

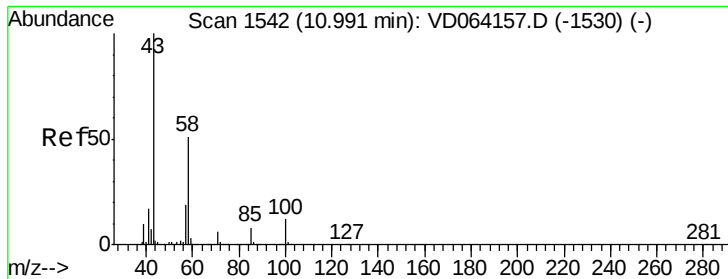
Tot Ion: 76 Resp: 141556
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.343 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion: 63 Resp: 224669
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.1 36.1

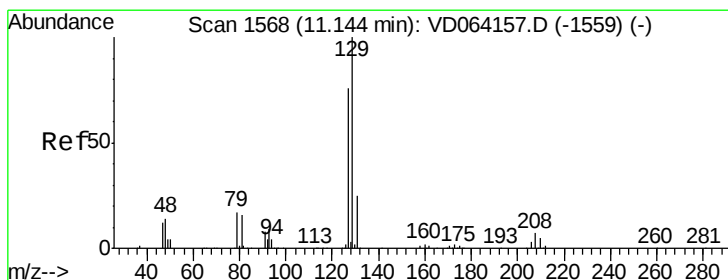
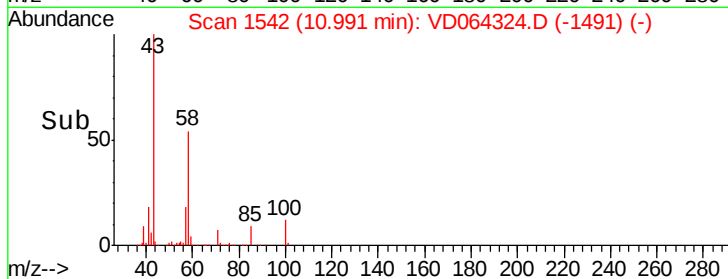
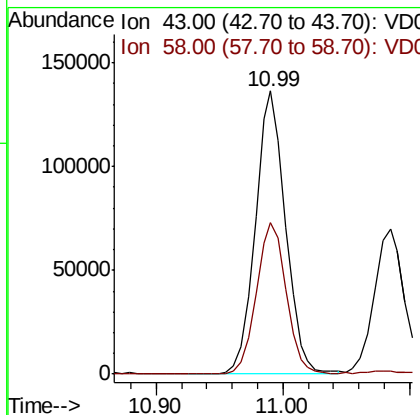
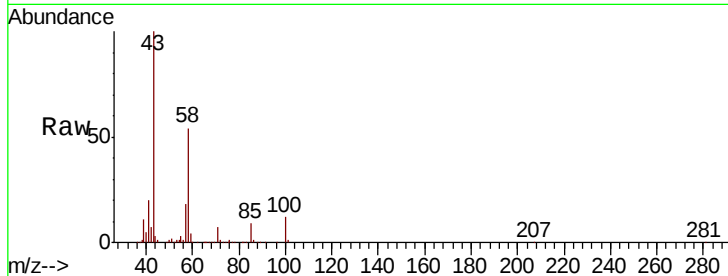




#59
2-Hexanone
Concen: 93.315 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

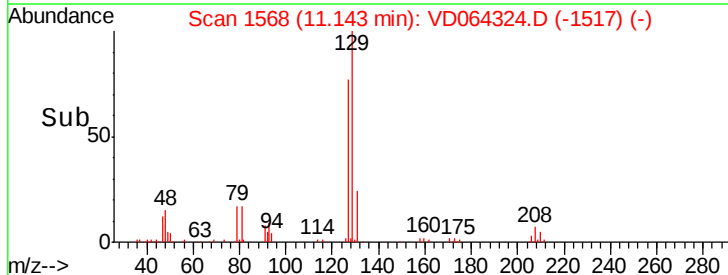
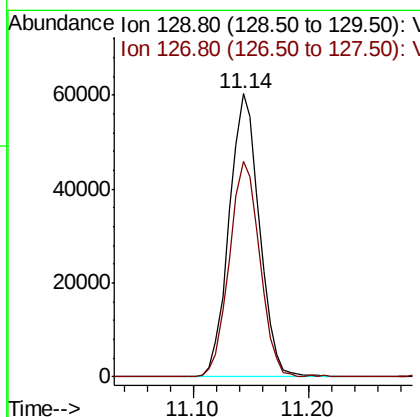
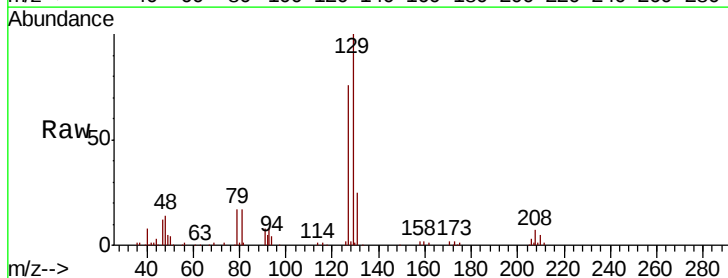
Instrument :
MSVOA_D
ClientSampleId :

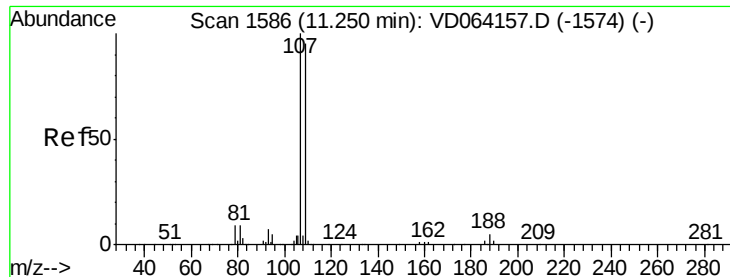
Tot Ion: 43 Resp: 226177
Ion Ratio Lower Upper
43 100
58 53.1 25.9 77.7



#60
Dibromochloromethane
Concen: 19.779 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 129 Resp: 109052
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8

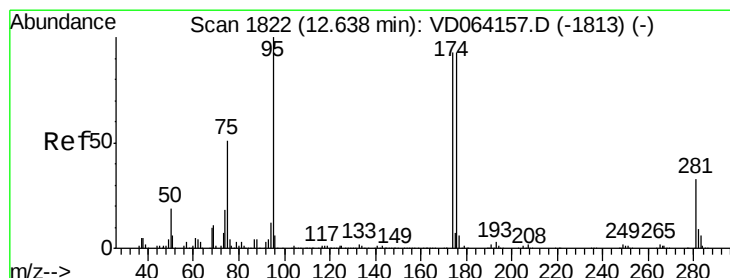
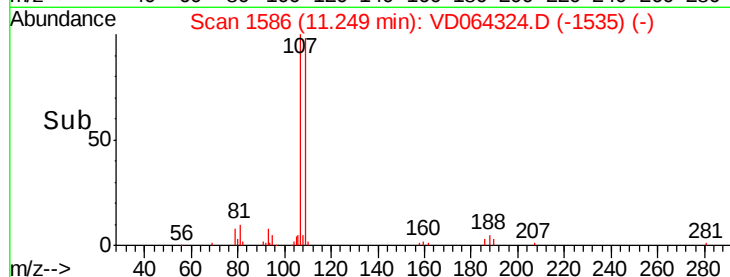
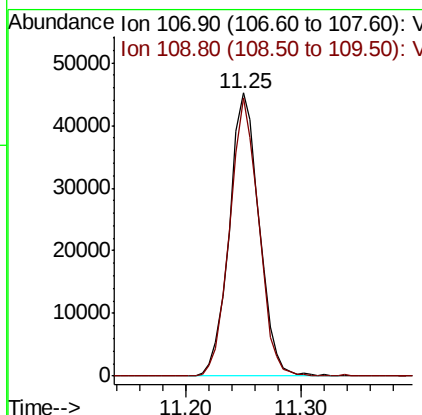
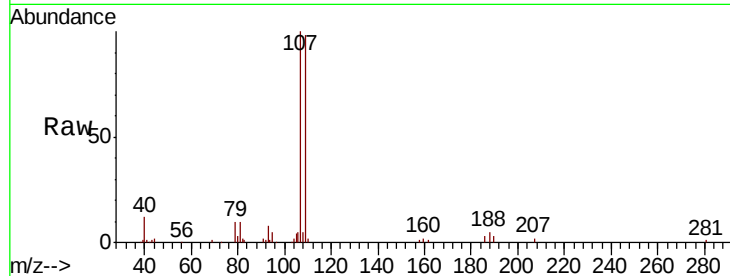




#61
 1,2-Dibromoethane
 Concen: 20.473 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

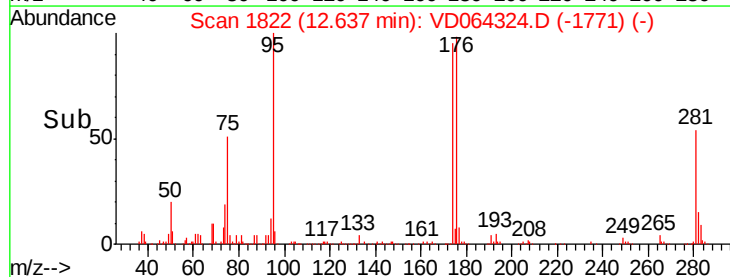
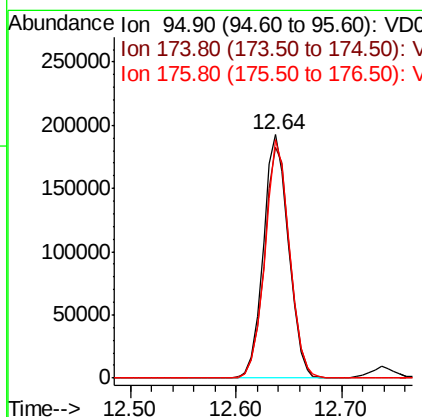
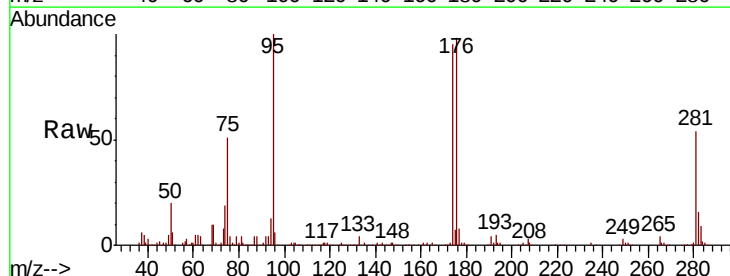
Instrument :
 MSVOA_D
 ClientSampleId :

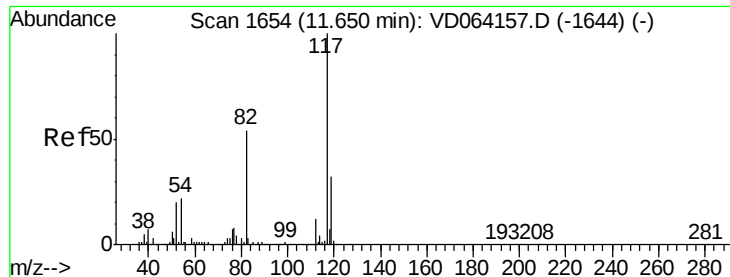
Tot Ion: 107 Resp: 81024
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.734 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion: 95 Resp: 317228
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 183.6
 176 94.9 0.0 180.2

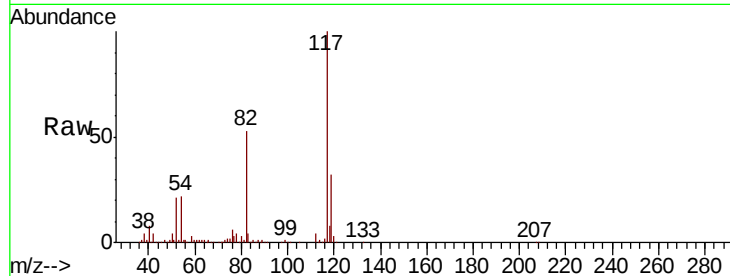




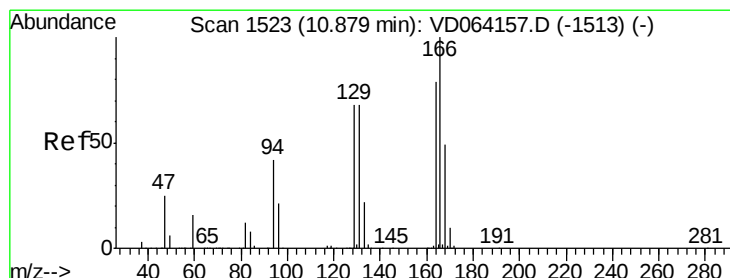
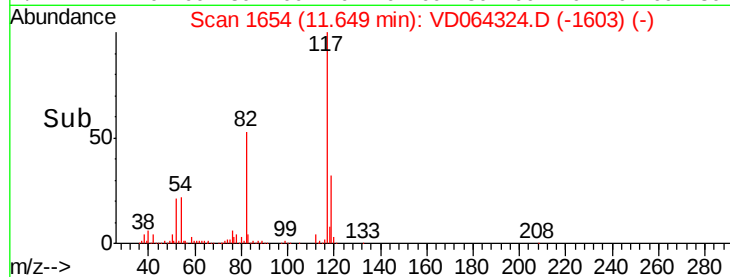
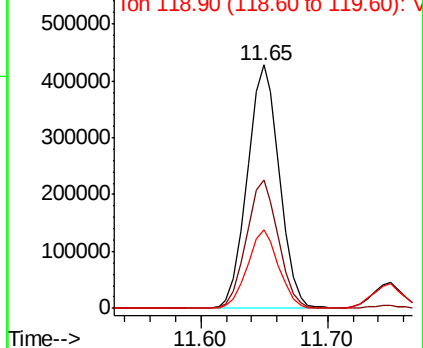
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 753020
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.2 25.6 38.4

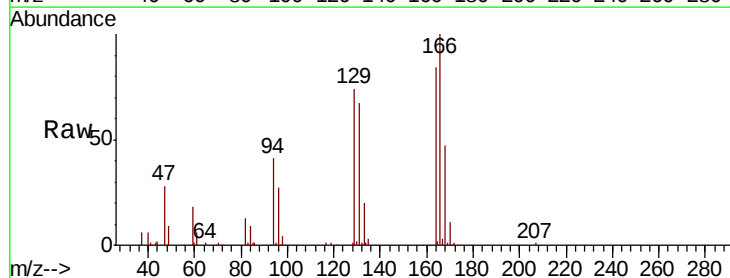


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

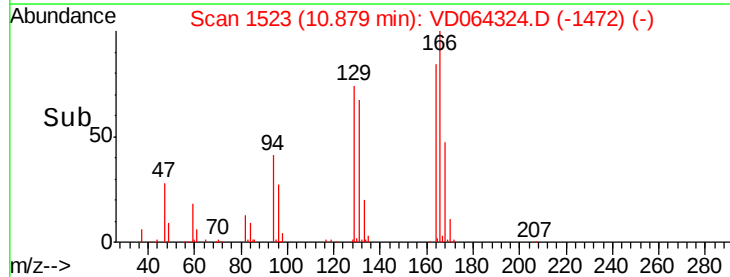
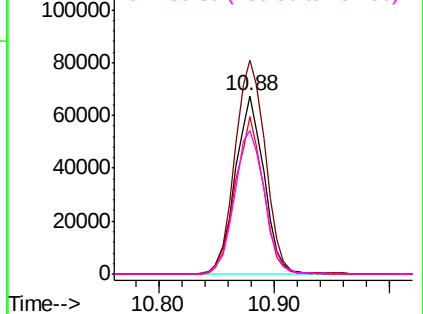


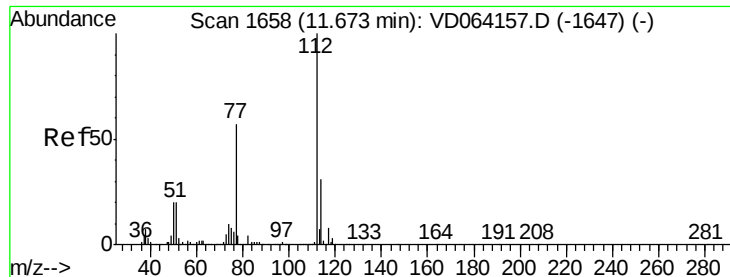
#64
Tetrachloroethene
Concen: 20.034 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion:164 Resp: 116028
Ion Ratio Lower Upper
164 100
166 119.7 100.8 151.2
129 88.2 68.7 103.1
131 80.5 68.1 102.1



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

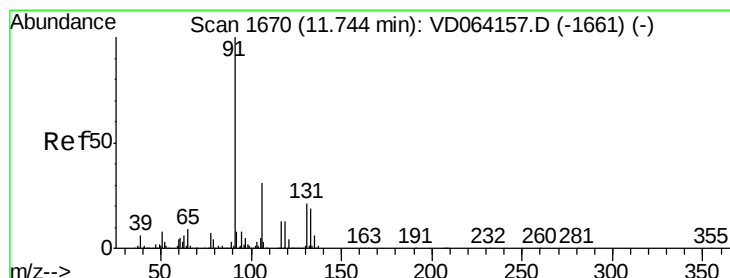
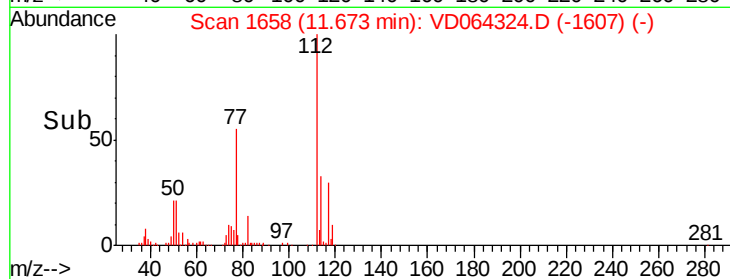
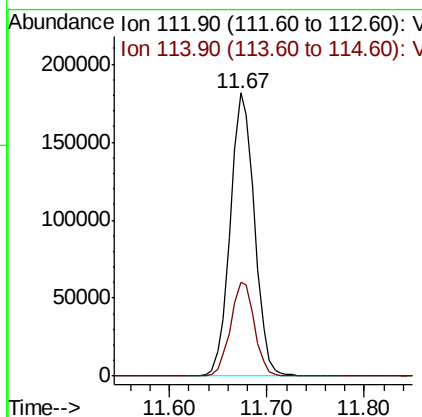
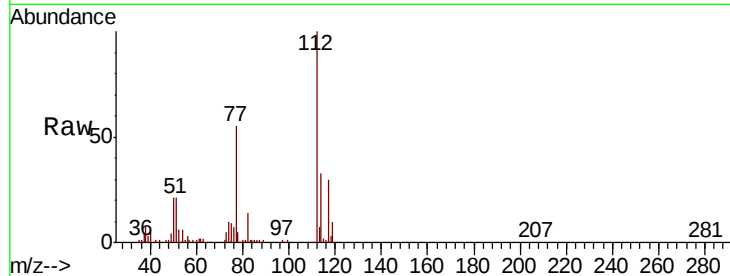




#65
Chlorobenzene
Concen: 20.338 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

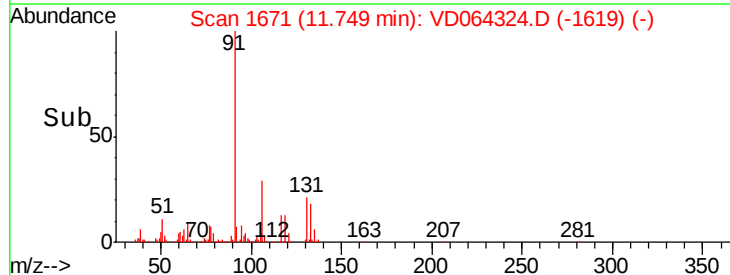
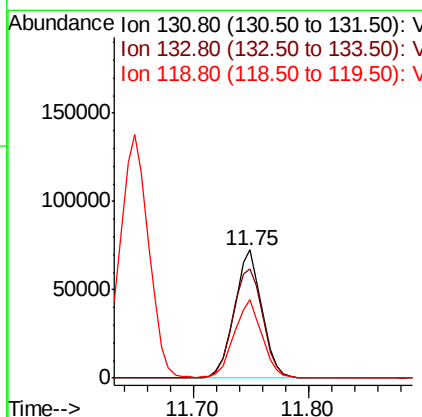
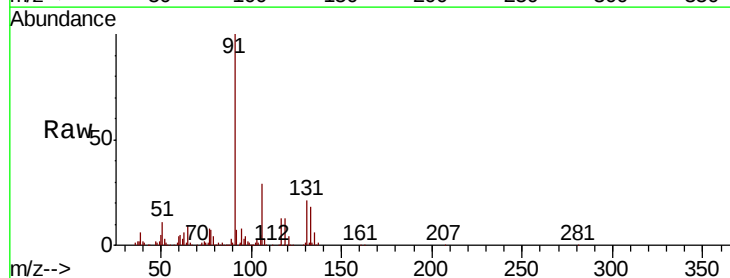
Instrument :
MSVOA_D
ClientSampleId :

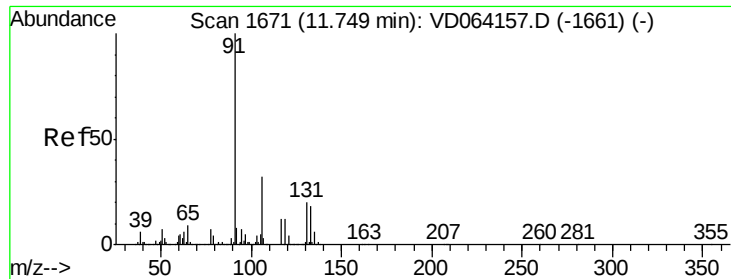
Tot Ion:112 Resp: 311431
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.577 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion:131 Resp: 119813
Ion Ratio Lower Upper
131 100
133 92.4 47.3 141.9
119 61.8 31.1 93.3

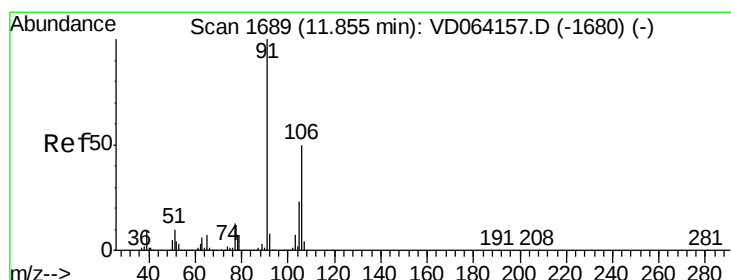
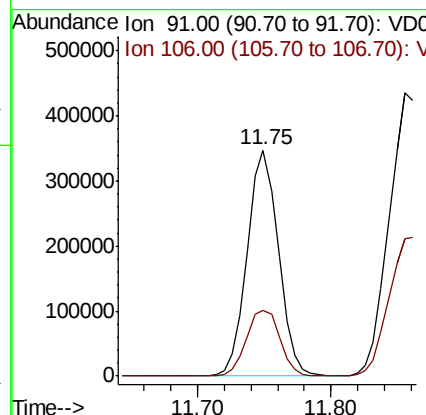
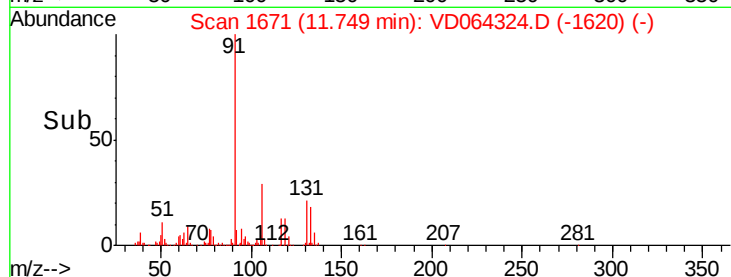
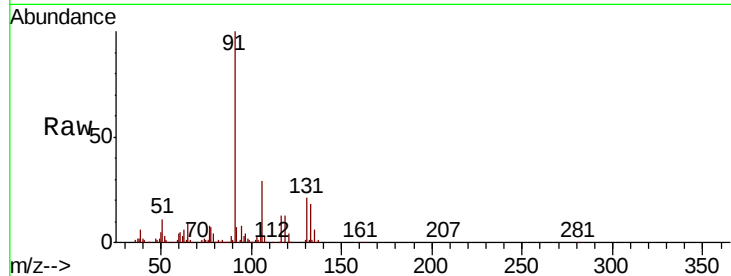




#67
Ethyl Benzene
Concen: 20.297 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

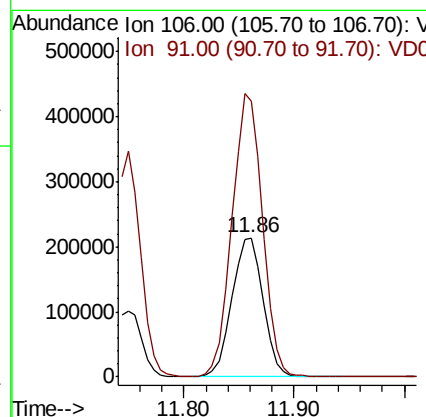
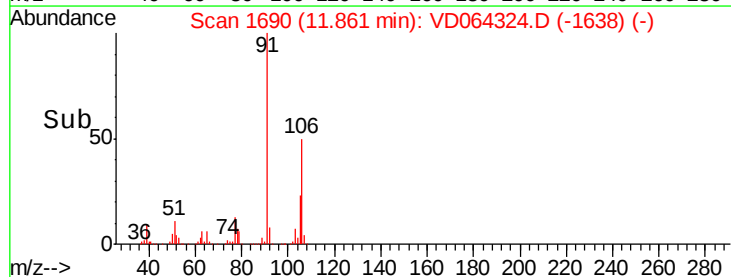
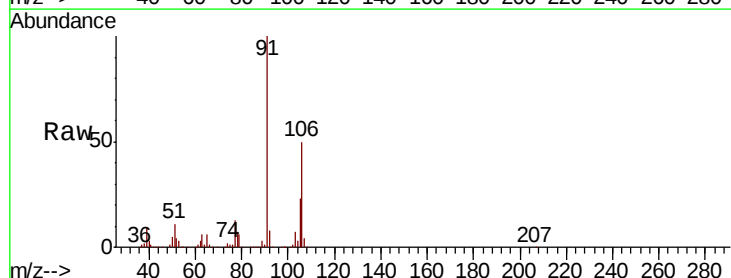
Instrument :
MSVOA_D
ClientSampled :

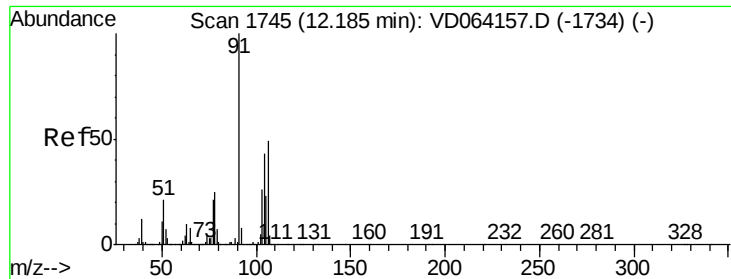
Tot Ion: 91 Resp: 562200
Ion Ratio Lower Upper
91 100
106 29.2 25.5 38.3



#68
m/p-Xylenes
Concen: 39.794 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 106 Resp: 422482
Ion Ratio Lower Upper
106 100
91 199.5 160.3 240.5

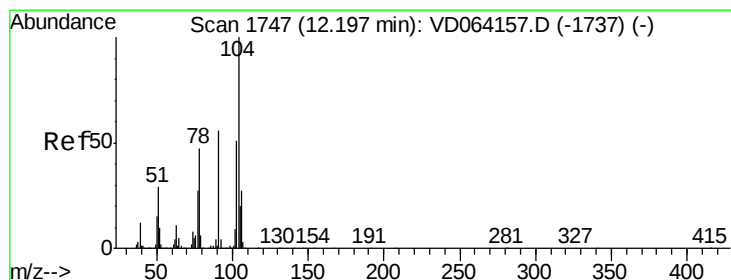
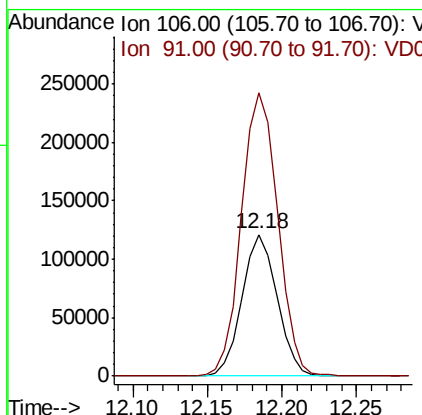
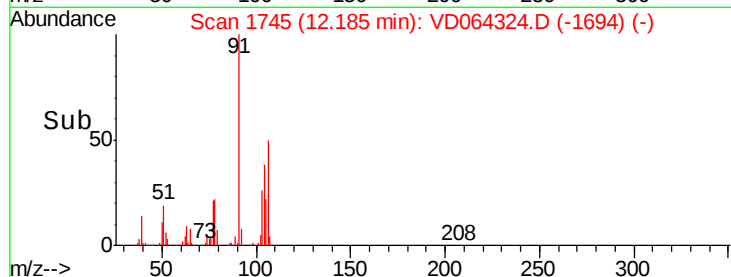
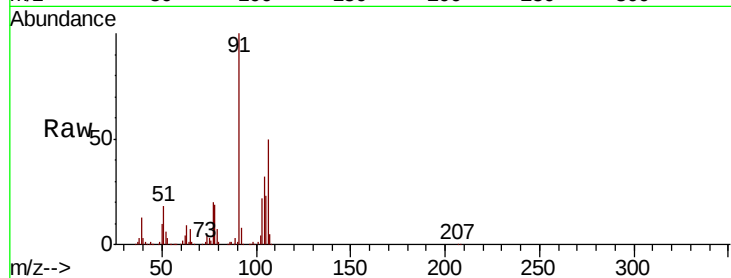




#69
o-Xylene
Concen: 20.078 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

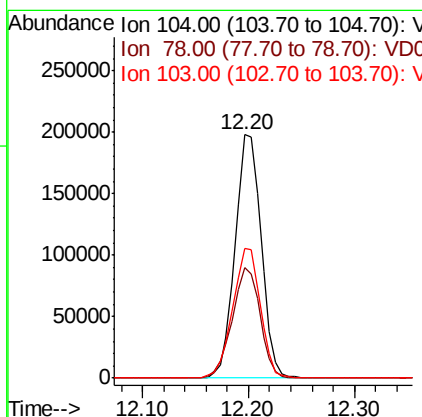
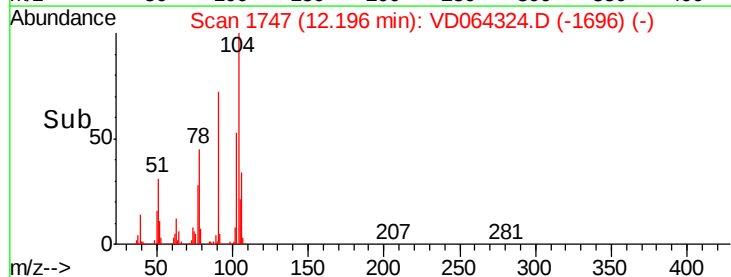
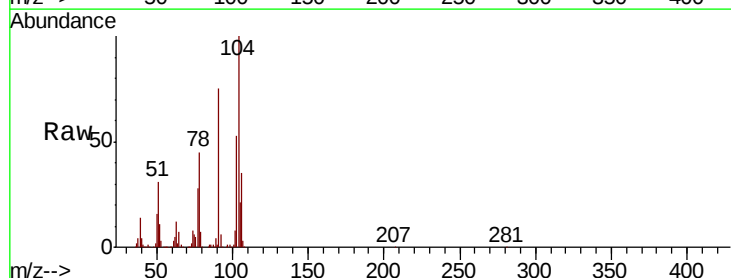
Instrument :
MSVOA_D
ClientSampled :

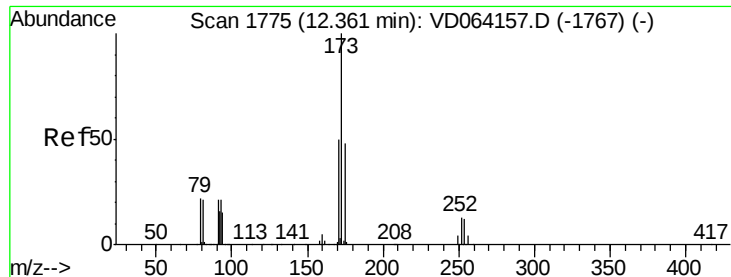
Tot Ion:106 Resp: 197700
Ion Ratio Lower Upper
106 100
91 207.3 105.1 315.3



#70
Styrene
Concen: 19.664 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion:104 Resp: 337973
Ion Ratio Lower Upper
104 100
78 48.4 39.9 59.9
103 56.1 43.4 65.0





#71

Bromoform

Concen: 19.202 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

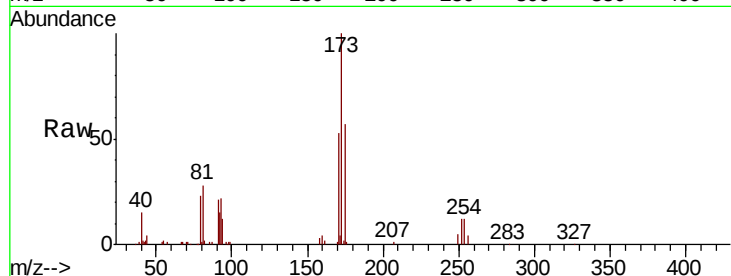
Tot Ion:173 Resp: 63628

Ion Ratio Lower Upper

173 100

175 51.9 24.1 72.3

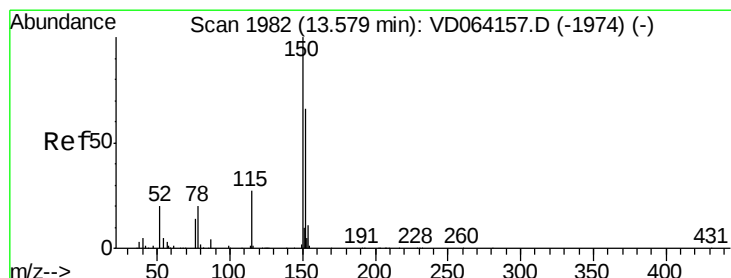
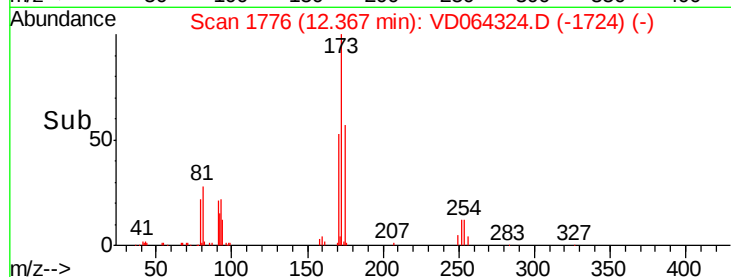
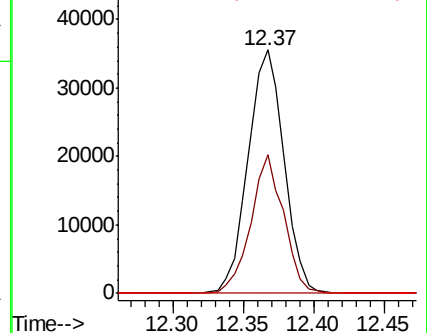
254 0.0 0.2 0.2#



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. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

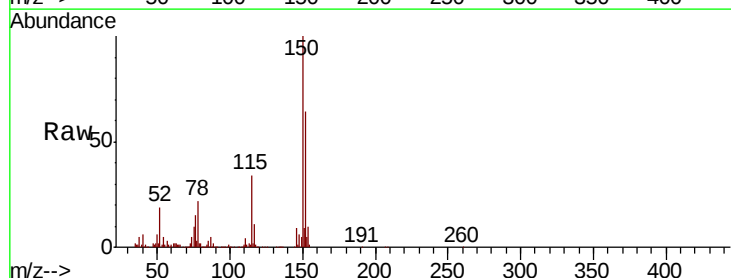
Tgt Ion:152 Resp: 374778

Ion Ratio Lower Upper

152 100

115 53.8 27.4 82.2

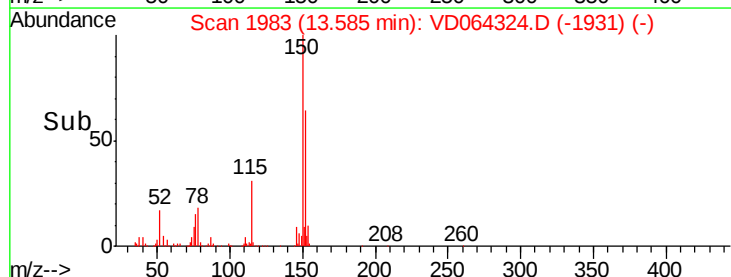
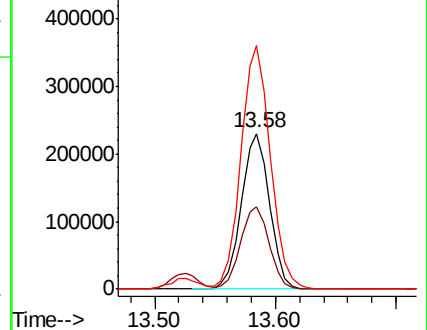
150 163.8 0.0 351.6

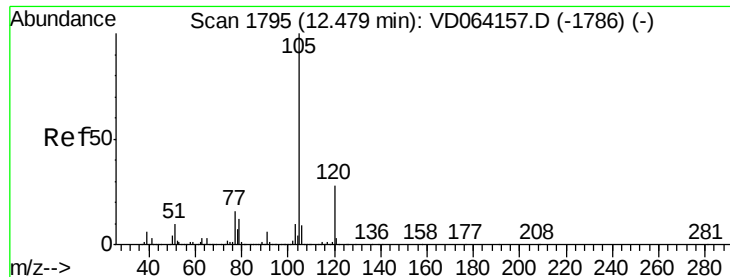


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.823 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

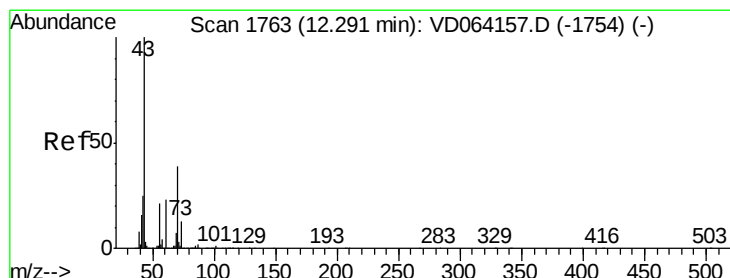
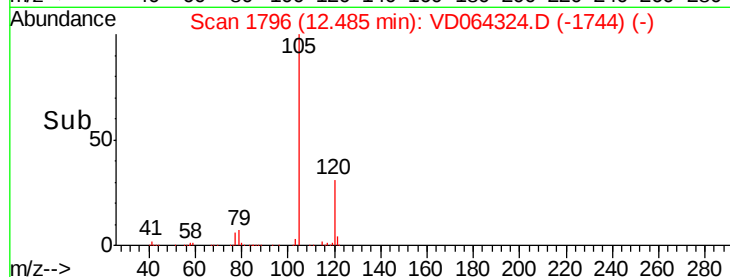
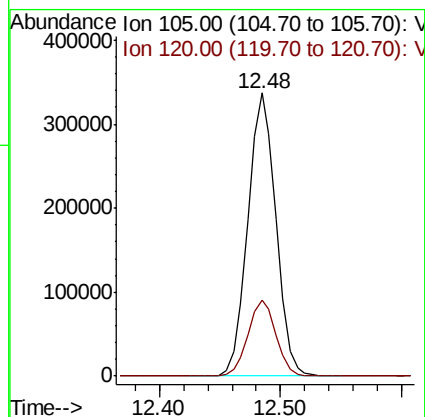
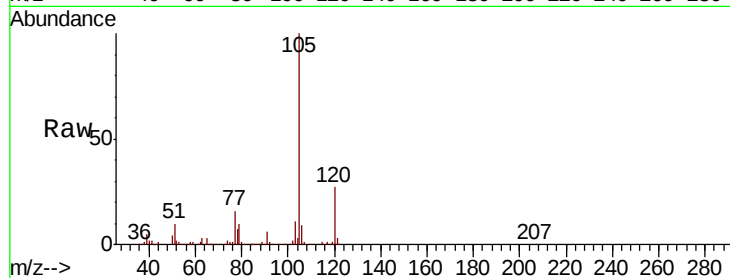
ClientSampleId :

Tot Ion:105 Resp: 545309

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8



#74

N-ethyl acetate

Concen: 19.085 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Tgt Ion: 43 Resp: 123975

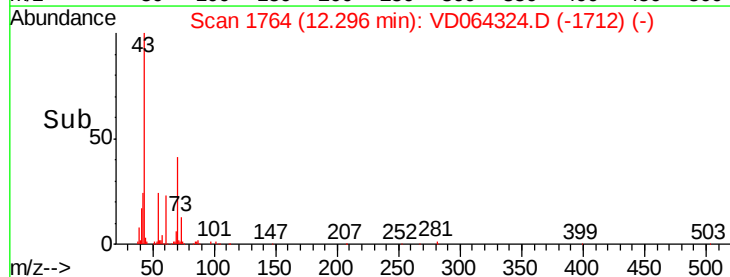
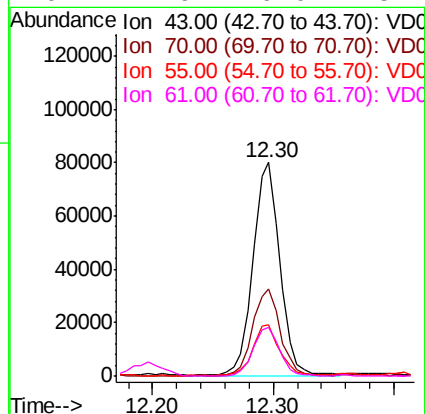
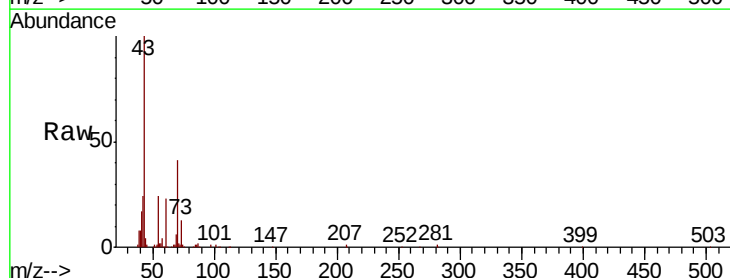
Ion Ratio Lower Upper

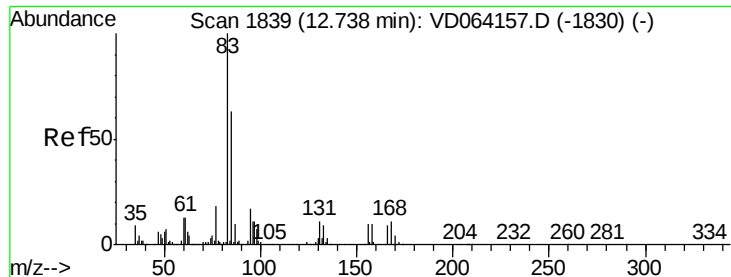
43 100

70 42.0 32.4 48.6

55 23.8 17.9 26.9

61 22.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.804 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

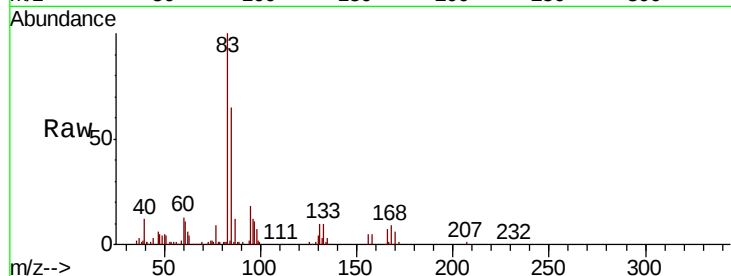
Tot Ion: 83 Resp: 86234

Ion Ratio Lower Upper

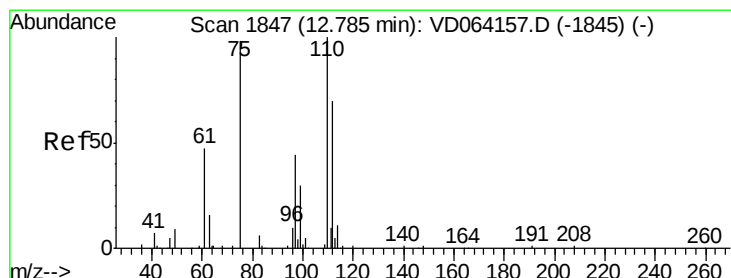
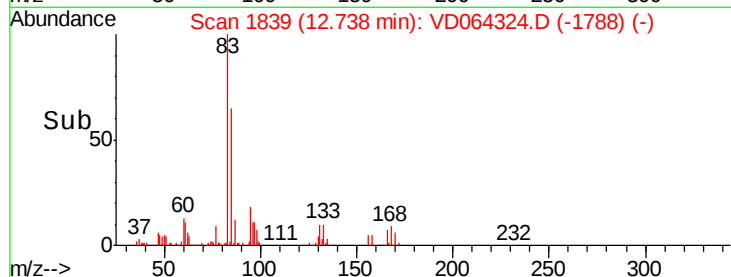
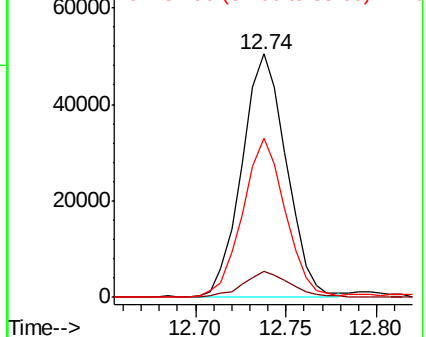
83 100

131 11.1 5.9 17.7

85 63.1 32.5 97.5



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: 37.419 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064324.D

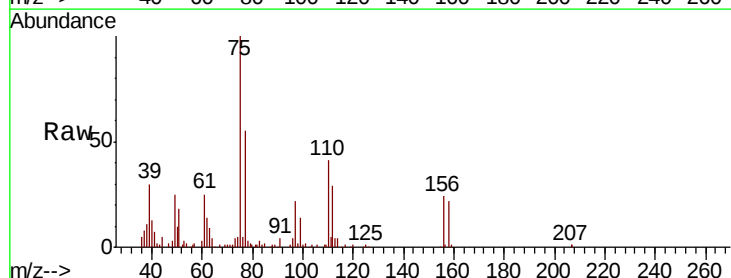
Acq: 21 Nov 2019 15:01

Tgt Ion: 75 Resp: 112959

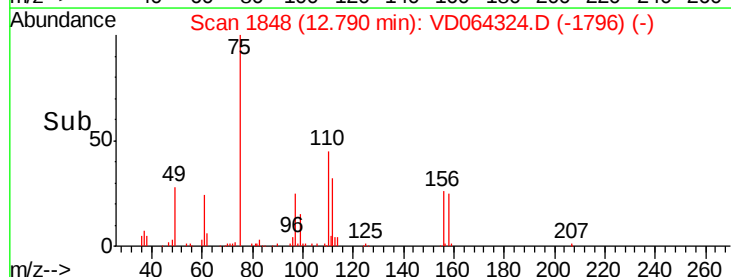
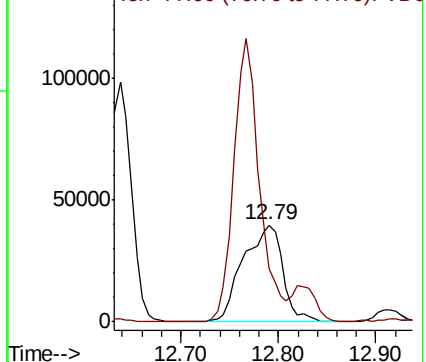
Ion Ratio Lower Upper

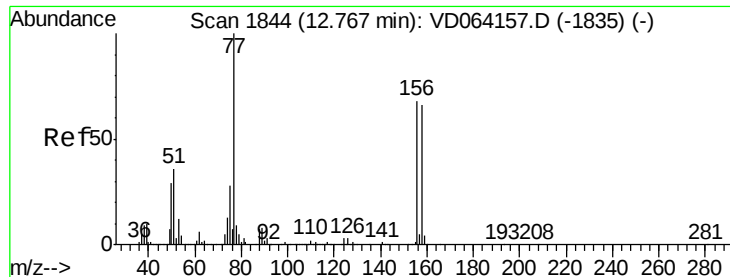
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.049 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

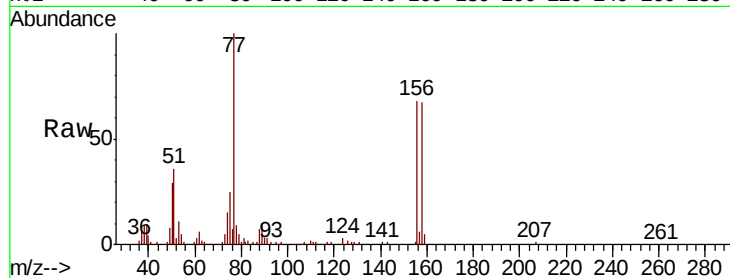
Tot Ion:156 Resp: 133986

Ion Ratio Lower Upper

156 100

77 158.3 81.2 243.4

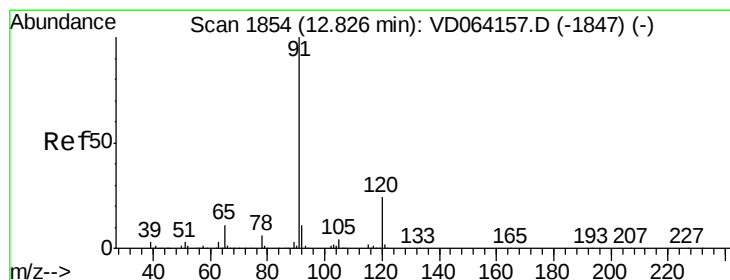
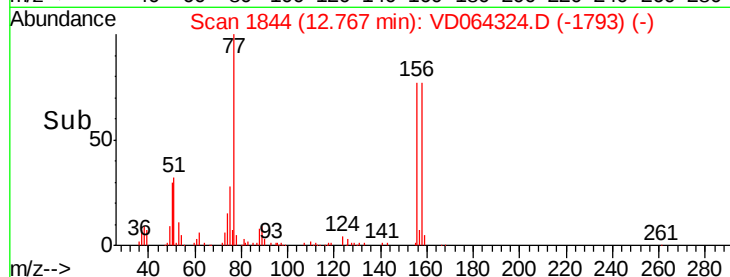
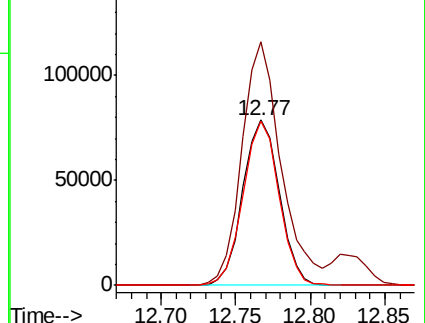
158 97.5 48.4 145.2



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: 19.954 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064324.D

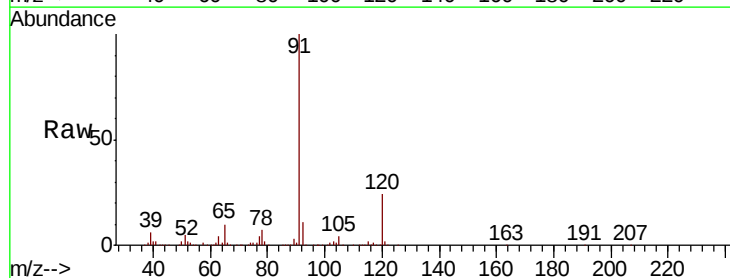
Acq: 21 Nov 2019 15:01

Tgt Ion: 91 Resp: 627134

Ion Ratio Lower Upper

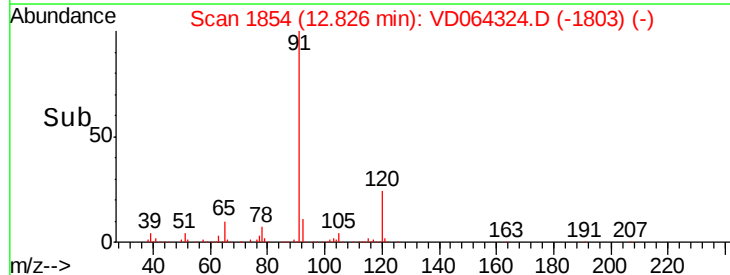
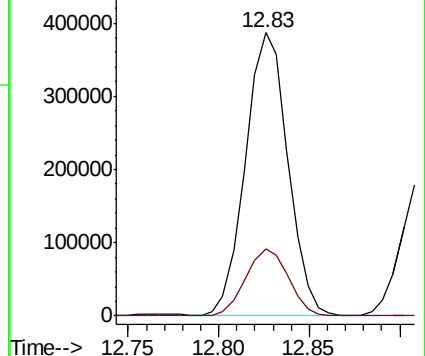
91 100

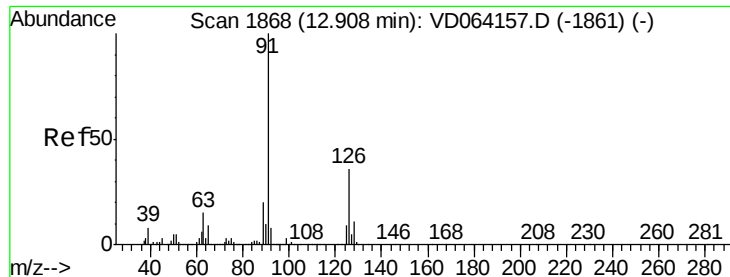
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.285 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

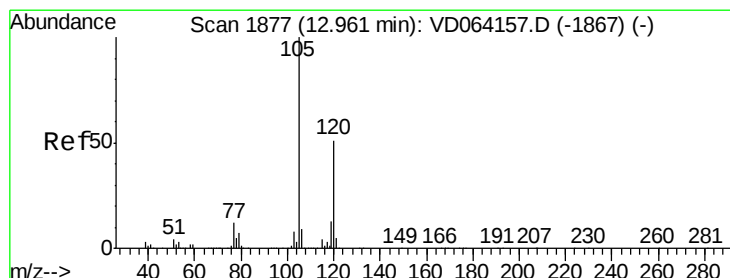
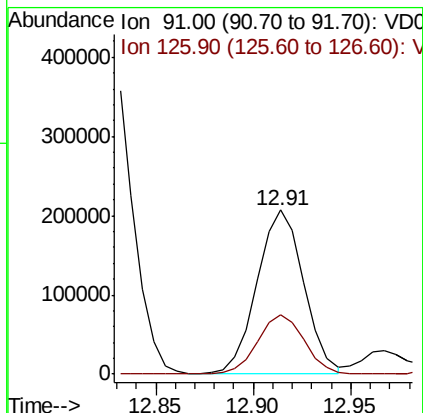
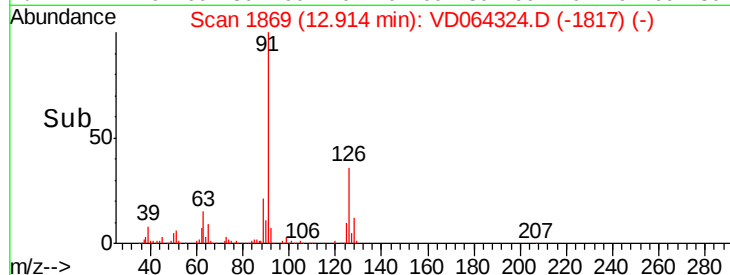
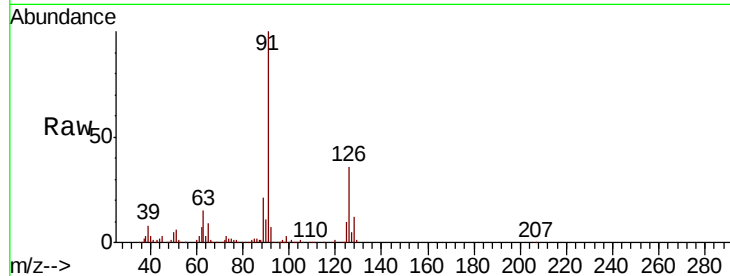
ClientSampleId :

Tot Ion: 91 Resp: 342196

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 19.624 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064324.D

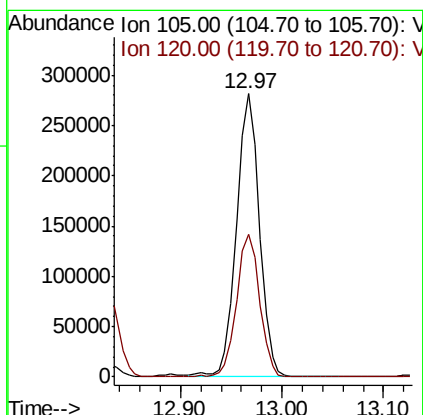
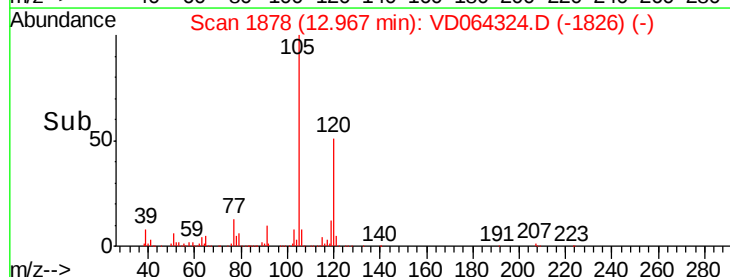
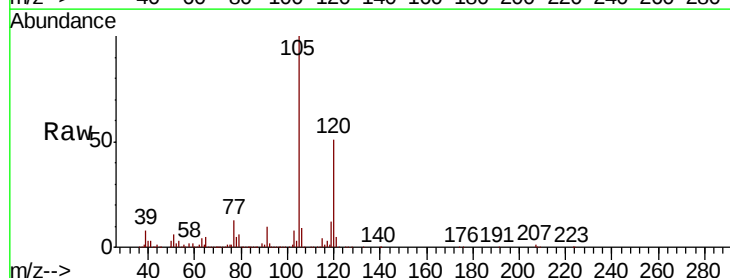
Acq: 21 Nov 2019 15:01

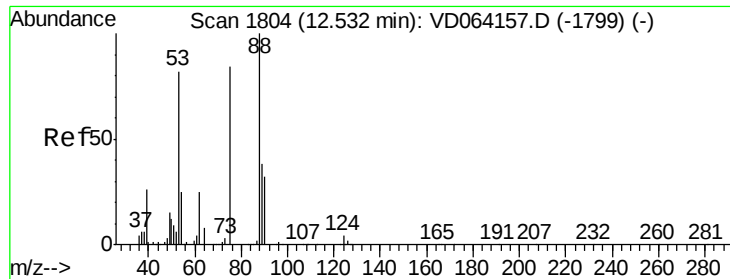
Tgt Ion: 105 Resp: 443582

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.375 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

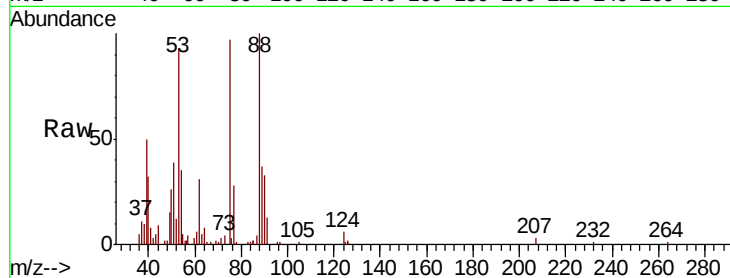
Tot Ion: 75 Resp: 27924

Ion Ratio Lower Upper

75 100

53 99.1 79.4 119.0

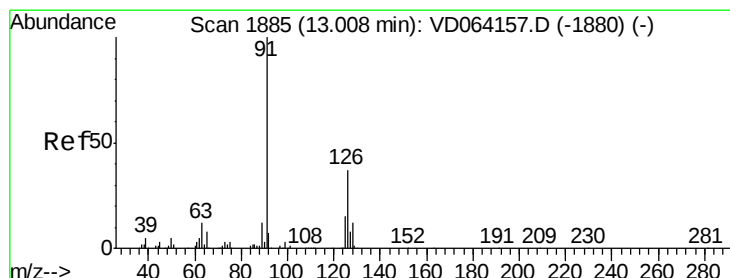
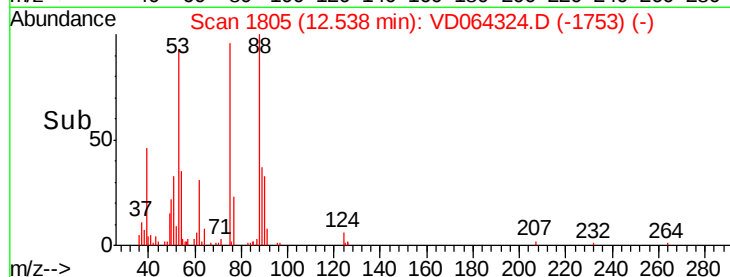
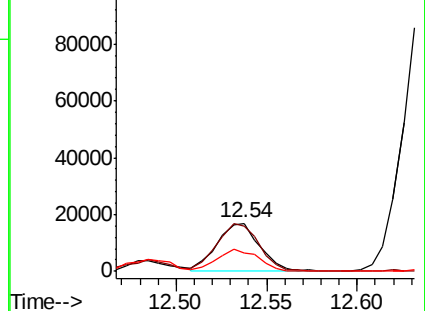
89 44.5 36.6 55.0



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: 19.356 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064324.D

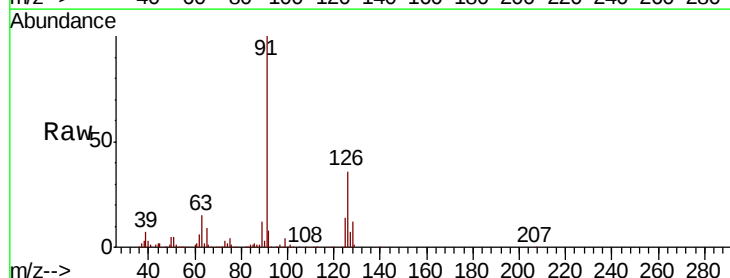
Acq: 21 Nov 2019 15:01

Tgt Ion: 91 Resp: 358226

Ion Ratio Lower Upper

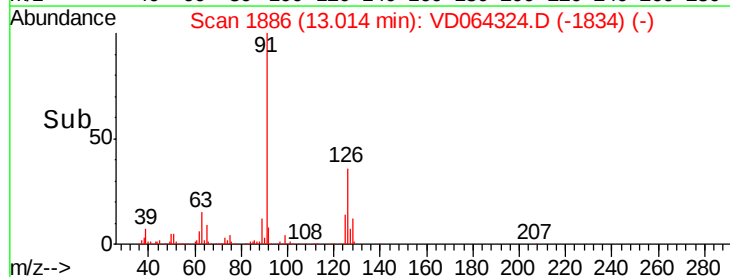
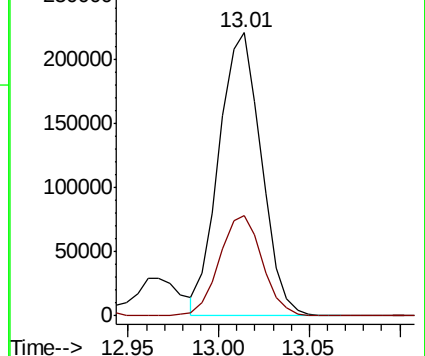
91 100

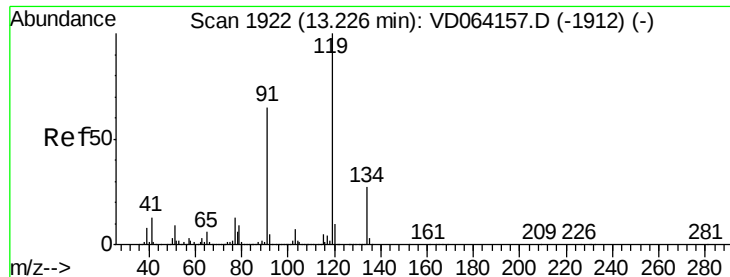
126 35.9 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

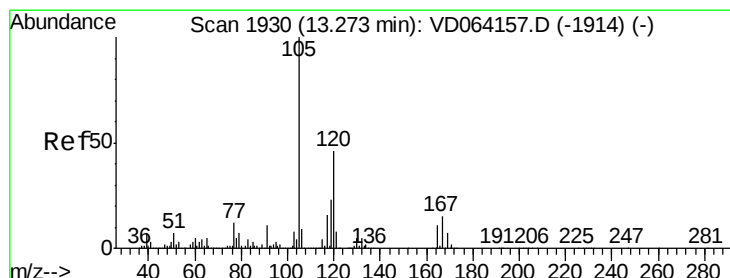
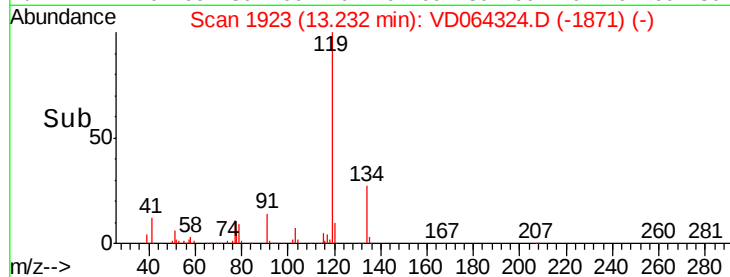
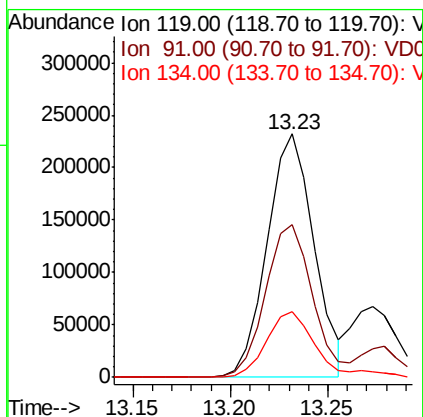
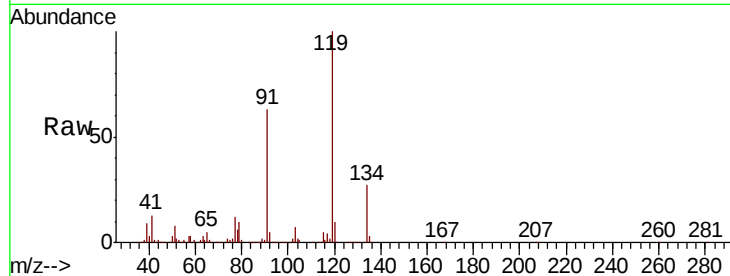




#83
 tert-Butylbenzene
 Concen: 19.405 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

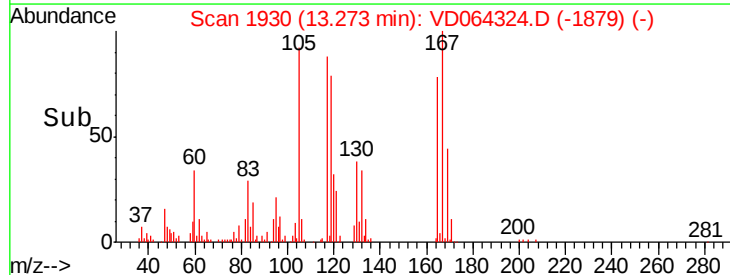
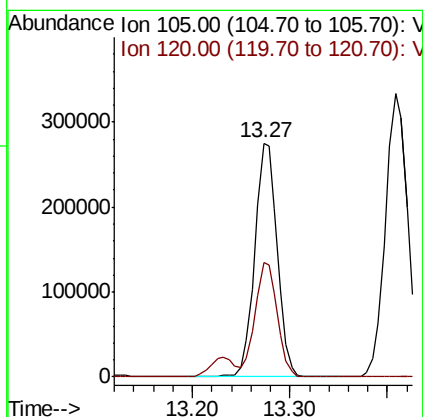
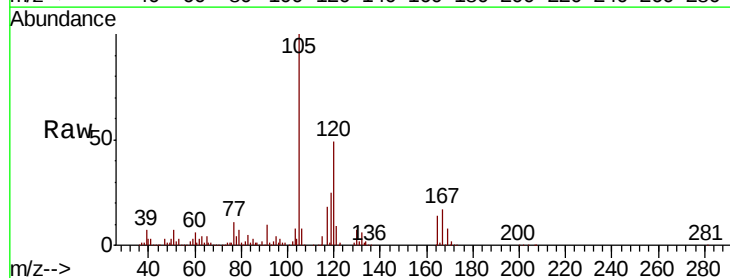
Instrument :
 MSVOA_D
 ClientSampleId :

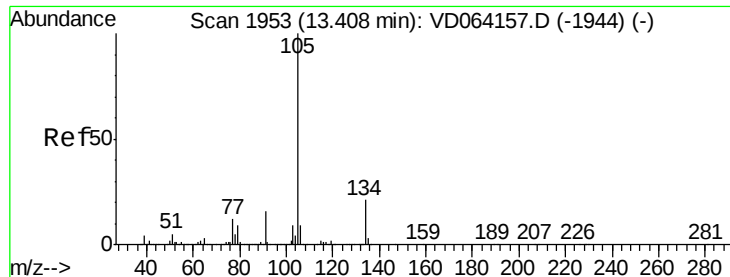
Tot Ion:119 Resp: 386769
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.8 95.4
 134 28.6 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.092 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion:105 Resp: 448362
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.737 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

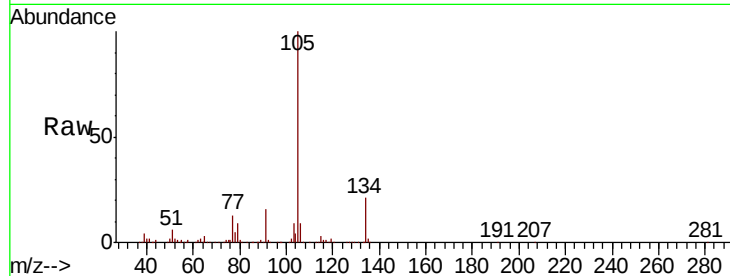
ClientSampleId :

Tot Ion:105 Resp: 528369

Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

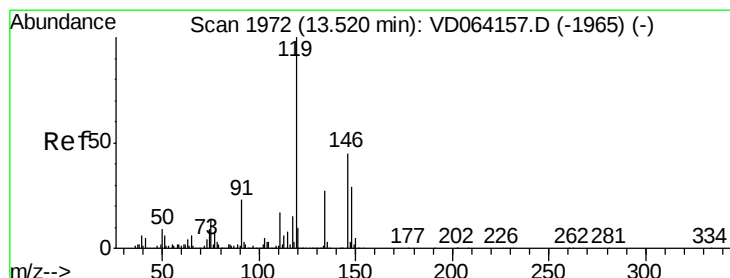
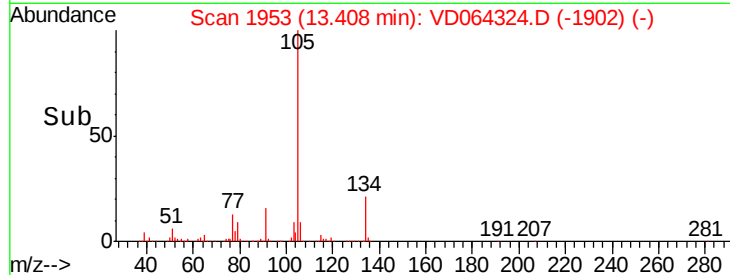
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.452 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

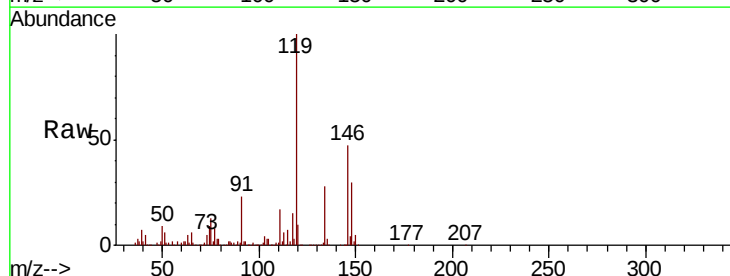
Tgt Ion:119 Resp: 495062

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 22.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

400000

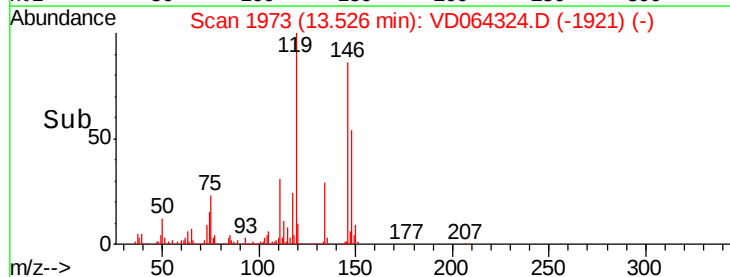
300000

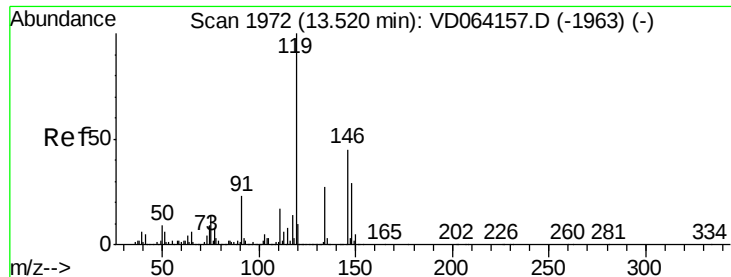
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.951 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064324.D

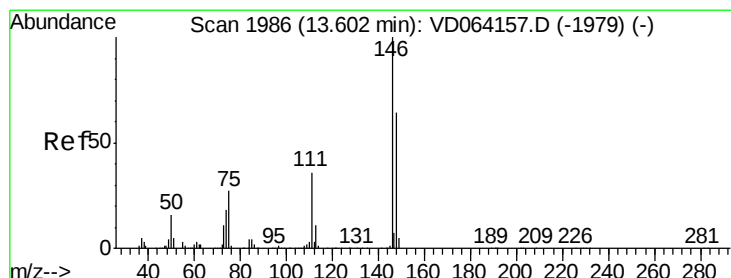
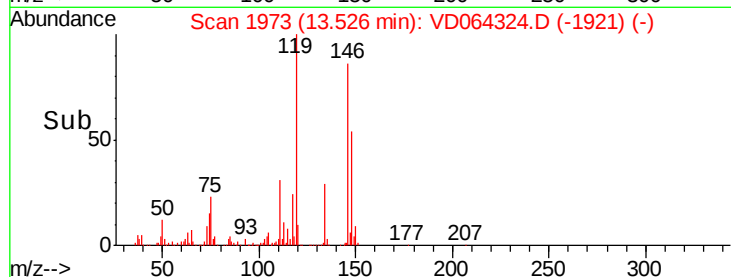
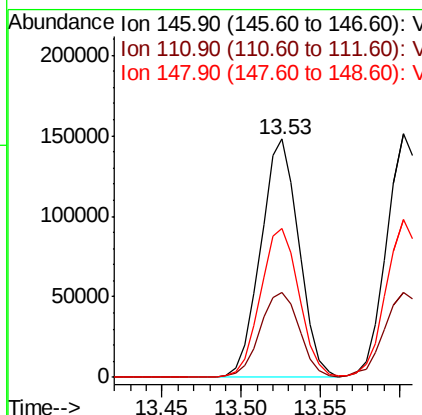
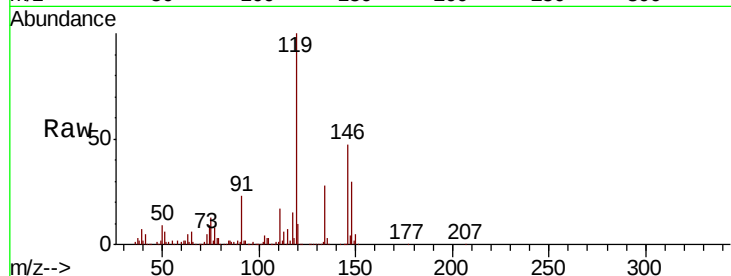
Acq: 21 Nov 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	247501
Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.4	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 20.238 ug/l

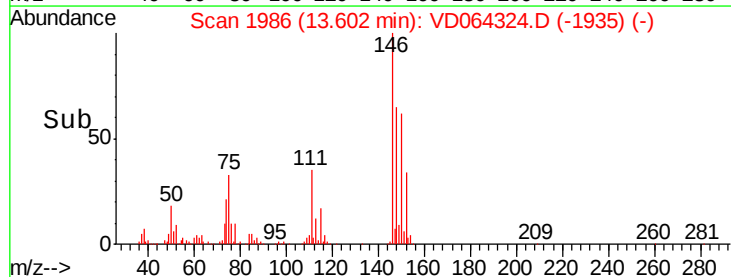
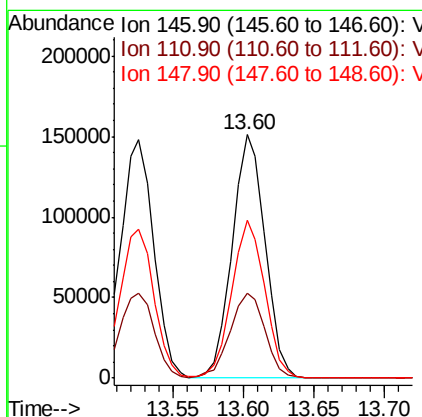
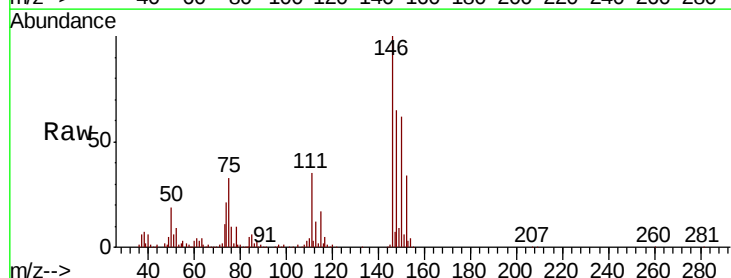
RT: 13.60 min Scan# 1986

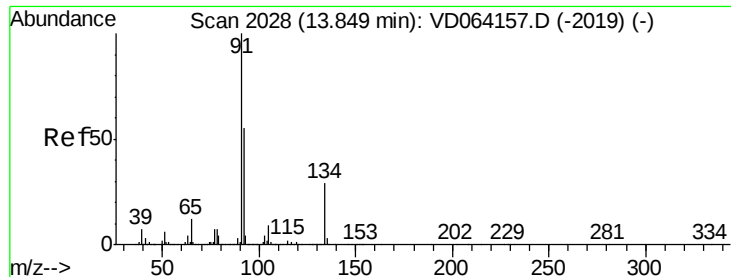
Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Tgt Ion:	146	Resp:	245038
Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	65.2	31.9	95.7

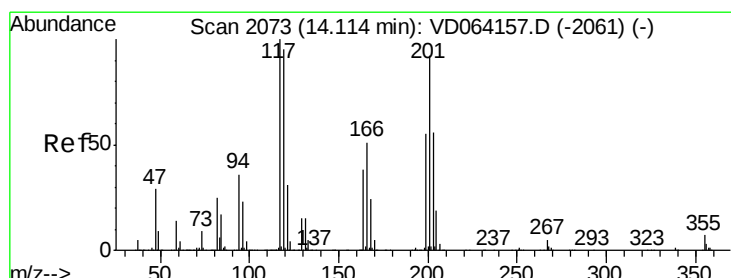
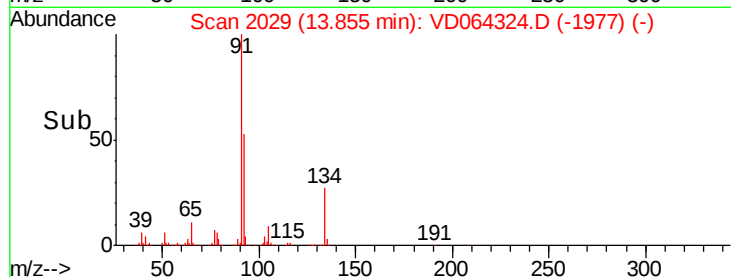
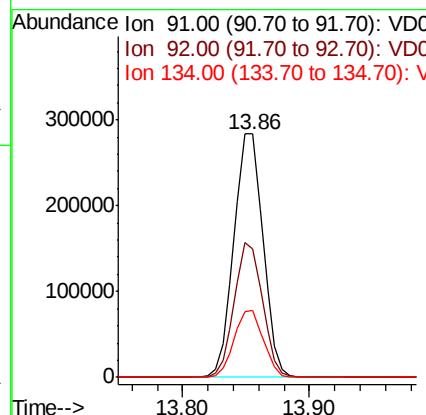
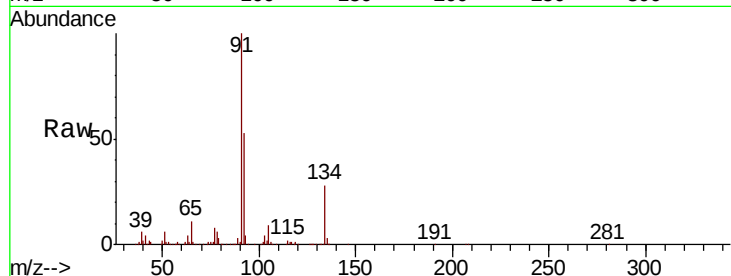




#89
n-Butylbenzene
Concen: 19.638 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

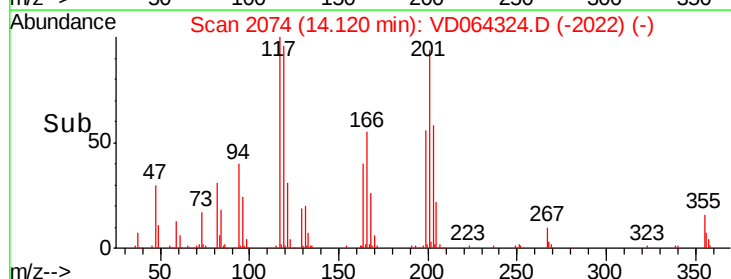
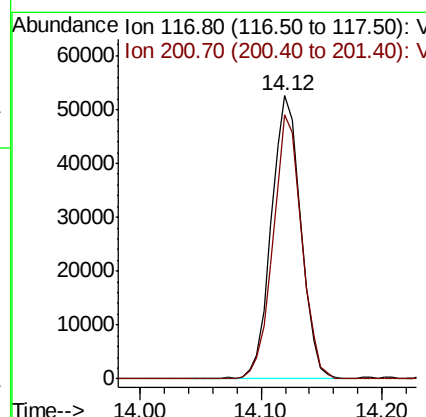
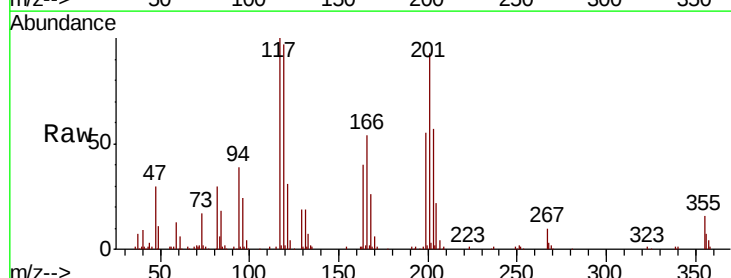
Instrument :
MSVOA_D
ClientSampleId :

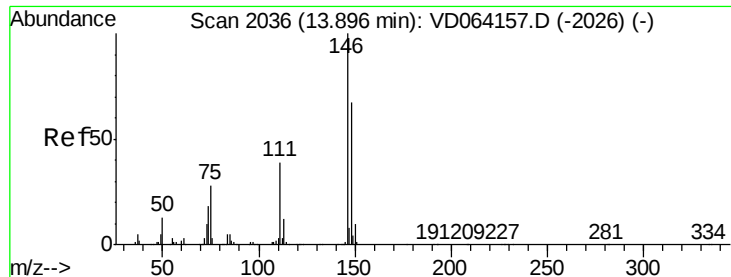
Tot Ion: 91 Resp: 451526
Ion Ratio Lower Upper
91 100
92 53.7 27.3 81.8
134 27.8 14.1 42.4



#90
Hexachloroethane
Concen: 19.001 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion: 117 Resp: 89370
Ion Ratio Lower Upper
117 100
201 90.2 45.8 137.4

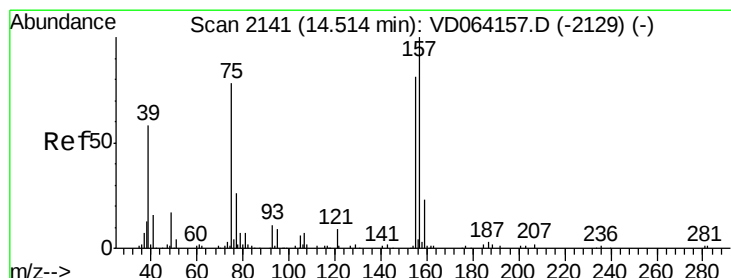
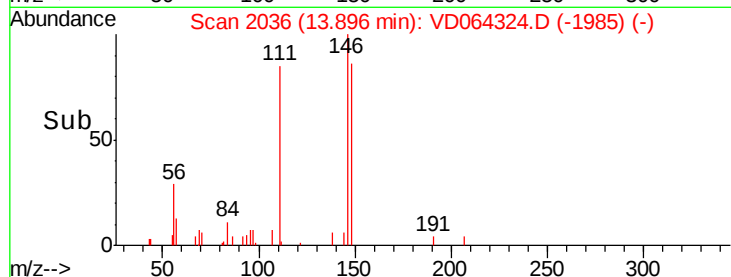
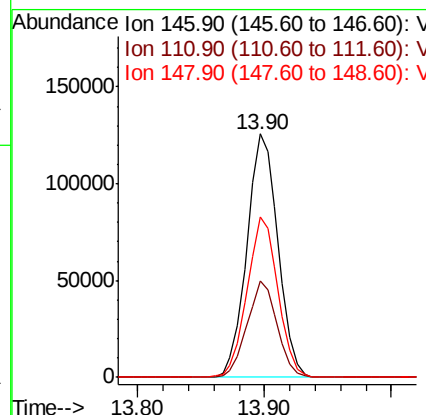
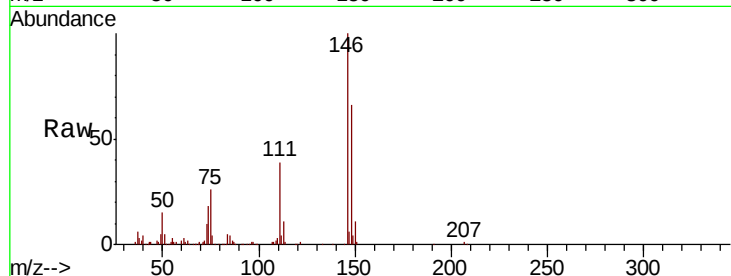




#91
 1,2-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

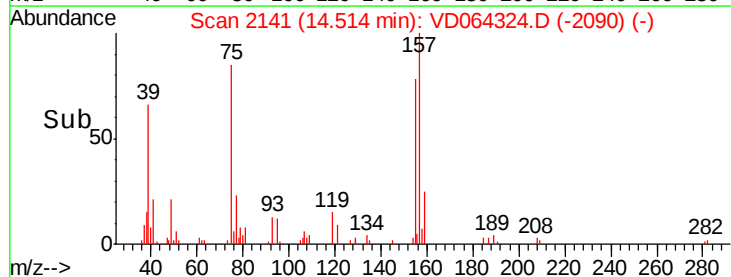
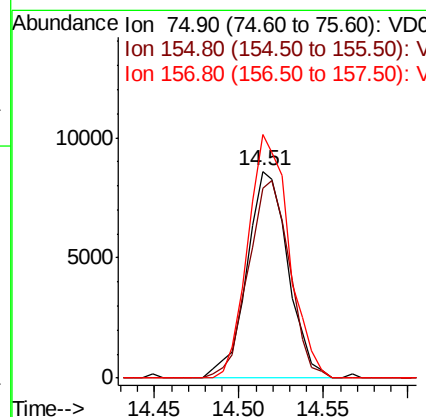
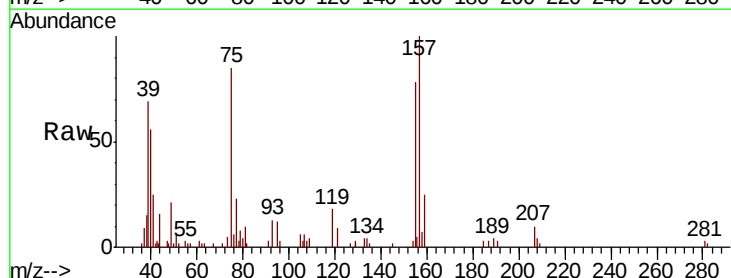
Instrument :
 MSVOA_D
 ClientSampleId :

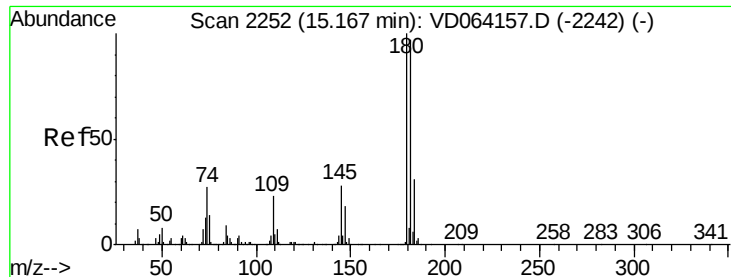
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	65.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.688 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.0	144.0
157	117.4	61.5	184.4

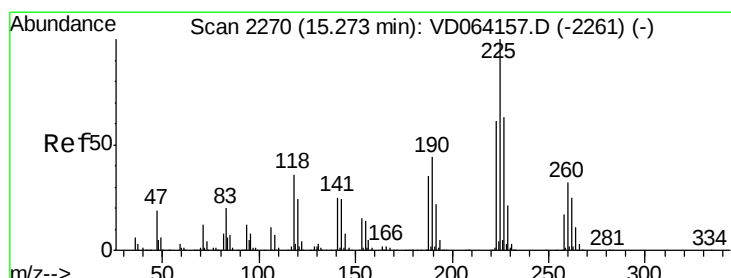
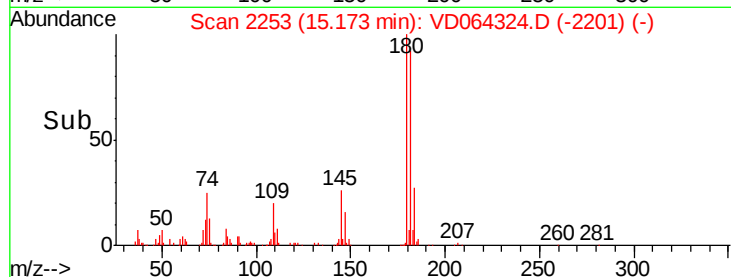
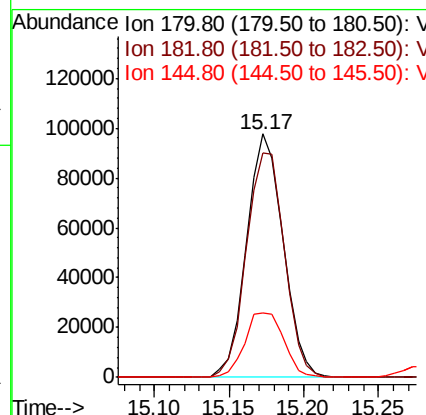
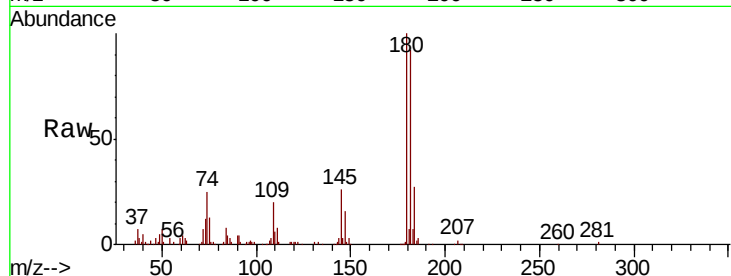




#93
 1,2,4-Trichlorobenzene
 Concen: 20.450 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

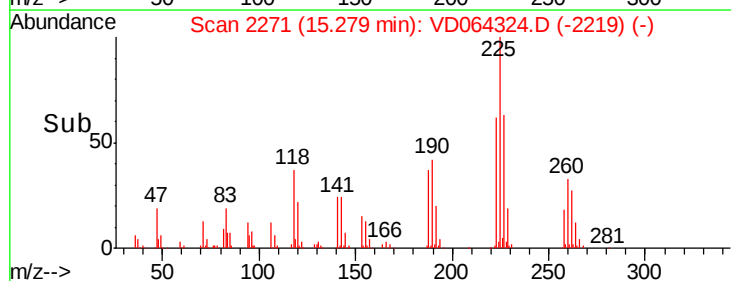
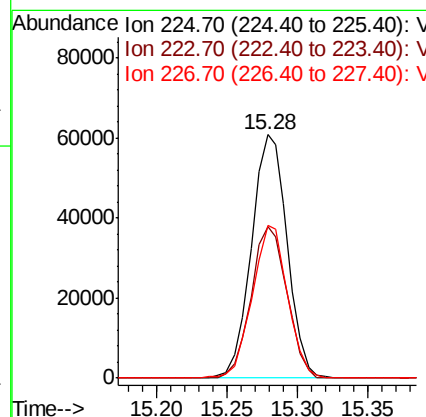
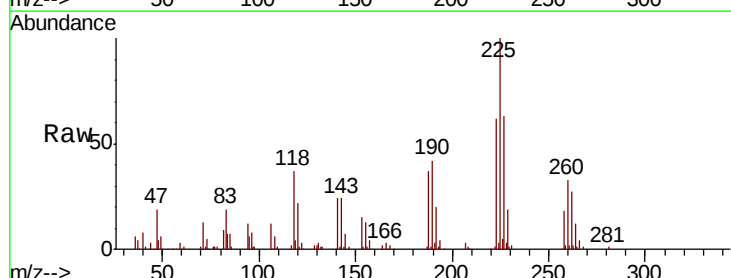
Instrument :
 MSVOA_D
 ClientSampleId :

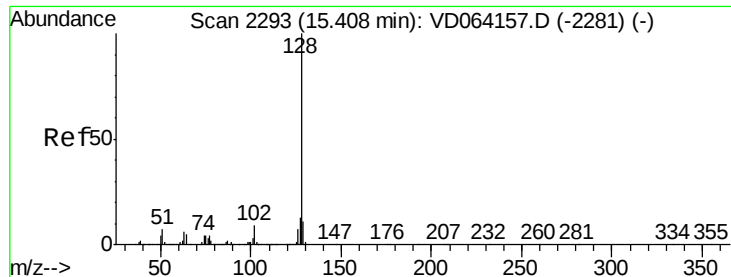
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 20.607 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064324.D
 Acq: 21 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.3
227	62.1	31.5	94.5

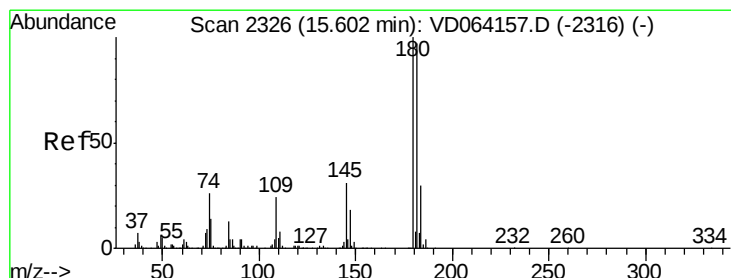
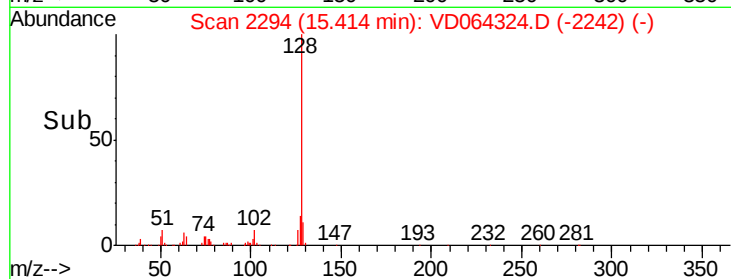
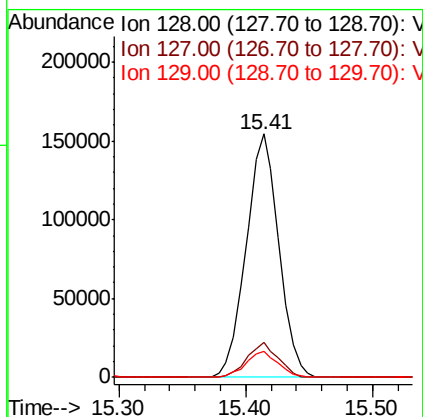
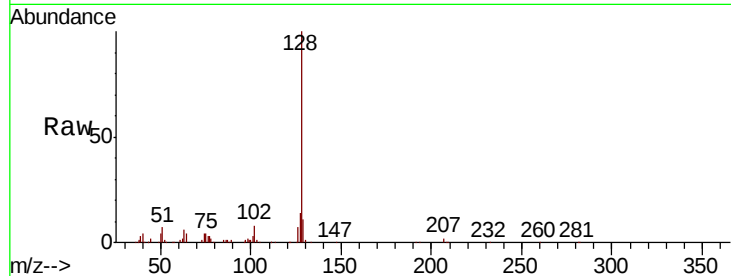




#95
Naphthalene
Concen: 20.815 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.165 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064324.D
Acq: 21 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	30.7	15.3	45.8

