

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064429.D
 Acq On : 05 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203245	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	7.91	113	211242	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	818056	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.64	95	258224	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92513	21.509	ug/l	97
3) Chloromethane	2.21	50	115459	21.283	ug/l	95
4) Vinyl Chloride	2.35	62	130264	20.797	ug/l	100
5) Bromomethane	2.76	94	89285	19.276	ug/l	95
6) Chloroethane	2.92	64	86964	20.772	ug/l	98
7) Trichlorofluoromethane	3.27	101	219284	21.059	ug/l	96
8) Diethyl Ether	3.70	74	43397	20.056	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94372	21.138	ug/l	97
10) Methyl Iodide	4.29	142	89187	18.916	ug/l	99
11) Tert butyl alcohol	5.24	59	21614	79.028	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	91493	21.384	ug/l	96
13) Acrolein	3.93	56	33068	88.643	ug/l	100
14) Allyl chloride	4.71	41	143122	21.434	ug/l	99
15) Acrylonitrile	5.43	53	89481	94.570	ug/l	100
16) Acetone	4.17	43	77980	89.813	ug/l #	81
17) Carbon Disulfide	4.40	76	288255	21.272	ug/l	99
18) Methyl Acetate	4.73	43	55901	22.073	ug/l #	71
19) Methyl tert-butyl Ether	5.48	73	192149	19.578	ug/l	94
20) Methylene Chloride	4.97	84	99978	19.994	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101593	20.992	ug/l	96
22) Diisopropyl ether	6.36	45	272152	20.646	ug/l	93
23) Vinyl Acetate	6.31	43	744658	95.825	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169650	21.401	ug/l	99
25) 2-Butanone	7.22	43	107751	87.754	ug/l	97
26) 2,2-Dichloropropane	7.20	77	152370	22.102	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110153	20.877	ug/l	98
28) Bromochloromethane	7.55	49	41221	15.216	ug/l	97
29) Tetrahydrofuran	7.57	42	72170	92.383	ug/l	98
30) Chloroform	7.71	83	171607	20.902	ug/l	98
31) Cyclohexane	7.98	56	162301	20.769	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	162979	21.412	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137545	21.248	ug/l	99
37) Ethyl Acetate	7.30	43	50360	18.334	ug/l	98
38) Carbon Tetrachloride	8.09	117	150449	22.021	ug/l	91

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 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171433	21.349	ug/l	96
40) Benzene	8.35	78	381821	21.237	ug/l	97
41) Methacrylonitrile	7.53	41	27076	17.188	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	109829	20.947	ug/l	99
43) Isopropyl Acetate	8.46	43	102345	18.950	ug/l	98
44) Trichloroethene	9.11	130	114645	21.168	ug/l	96
45) 1,2-Dichloropropane	9.38	63	93027	21.635	ug/l	99
46) Dibromomethane	9.48	93	48741	20.084	ug/l	98
47) Bromodichloromethane	9.66	83	131547	21.096	ug/l	98
48) Methyl methacrylate	9.46	41	48544	19.643	ug/l	94
49) 1,4-Dioxane	9.46	88	10840	361.717	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	248398	92.955	ug/l	100
52) Toluene	10.40	92	244271	20.847	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120716	20.313	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	150250	21.282	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65151	19.606	ug/l	96
56) Ethyl methacrylate	10.66	69	79497	18.757	ug/l	94
57) 1,3-Dichloropropane	10.95	76	112976	19.972	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	176623	104.537	ug/l	97
59) 2-Hexanone	10.99	43	168322	90.777	ug/l	99
60) Dibromochloromethane	11.14	129	90237	20.028	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63667	19.189	ug/l	100
64) Tetrachloroethene	10.88	164	97217	21.198	ug/l	98
65) Chlorobenzene	11.67	112	259721	20.706	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94542	20.360	ug/l	98
67) Ethyl Benzene	11.75	91	467869	20.964	ug/l	98
68) m/p-Xylenes	11.86	106	355836	41.816	ug/l	98
69) o-Xylene	12.18	106	161821	20.590	ug/l	98
70) Styrene	12.20	104	282954	20.719	ug/l	99
71) Bromoform	12.37	173	53598	19.293	ug/l #	99
73) Isopropylbenzene	12.48	105	441790	20.873	ug/l	98
74) N-amyl acetate	12.29	43	89072	18.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67767	19.362	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	88676	36.641	ug/l #	100
77) Bromobenzene	12.77	156	111181	21.272	ug/l	97
78) n-propylbenzene	12.83	91	514271	21.059	ug/l	99
79) 2-Chlorotoluene	12.91	91	282485	21.022	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	362729	20.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21532	19.400	ug/l	97
82) 4-Chlorotoluene	13.01	91	295484	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	313779	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	358027	20.586	ug/l	99
85) sec-Butylbenzene	13.41	105	430502	20.860	ug/l	99
86) p-Isopropyltoluene	13.53	119	401125	20.587	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205035	20.668	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199996	20.420	ug/l	97
89) n-Butylbenzene	13.85	91	368818	20.844	ug/l	99
90) Hexachloroethane	14.12	117	77830	21.357	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171717	20.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11642	19.597	ug/l	86

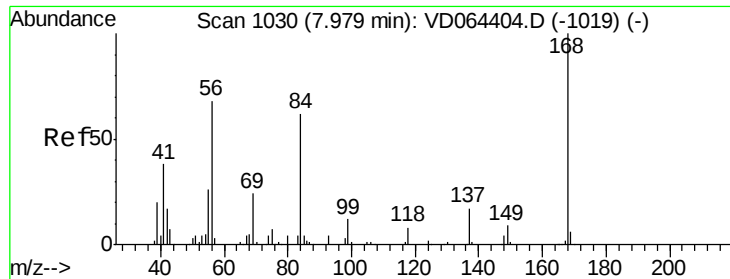
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	129545	19.952	ug/l	97
94) Hexachlorobutadiene	15.28	225	82504	20.583	ug/l	98
95) Naphthalene	15.41	128	201895	18.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108126	19.509	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

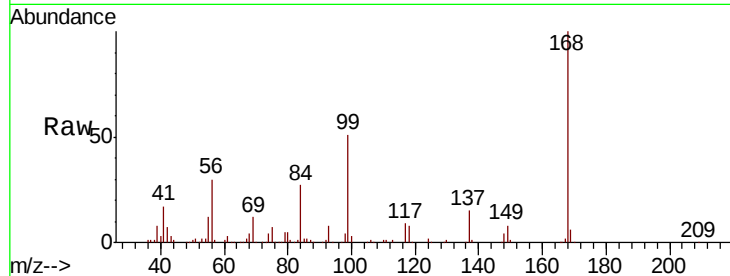
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 474680

Ion Ratio Lower Upper

168 100

99 50.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

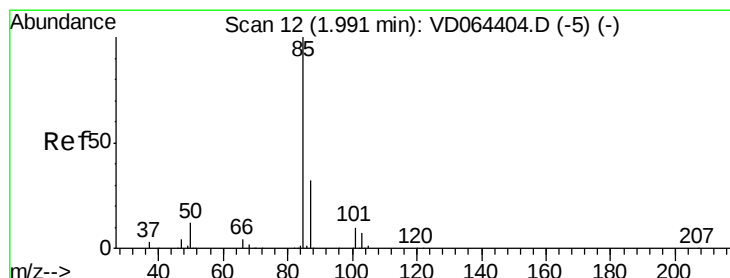
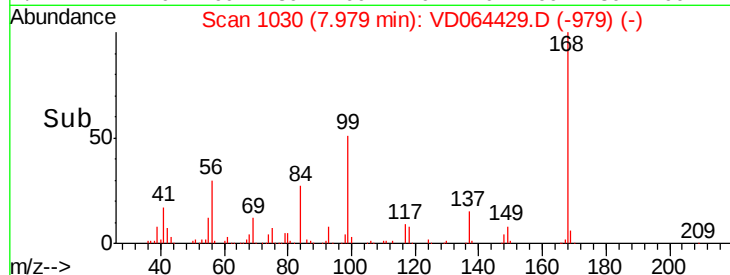
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.509 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064429.D

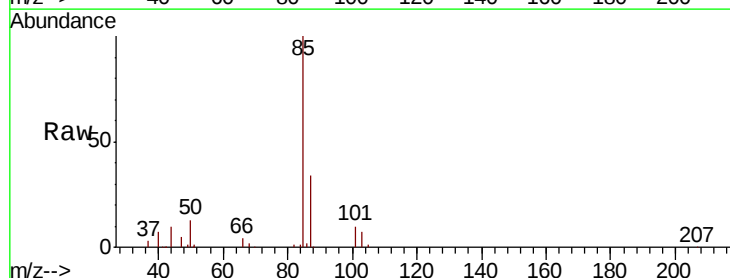
Acq: 05 Dec 2019 11:47

Tgt Ion: 85 Resp: 92513

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

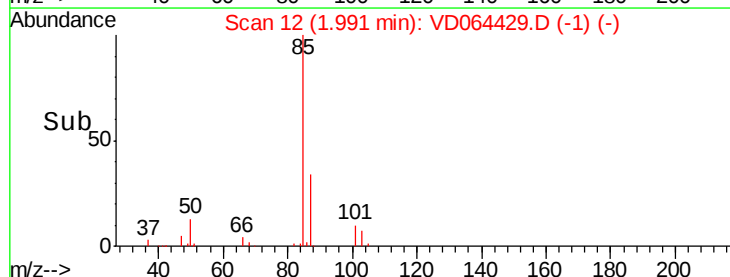
40000

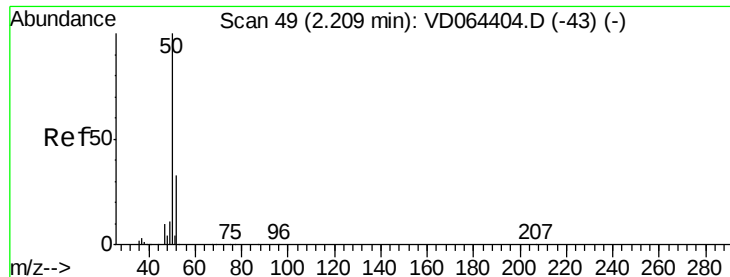
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.283 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

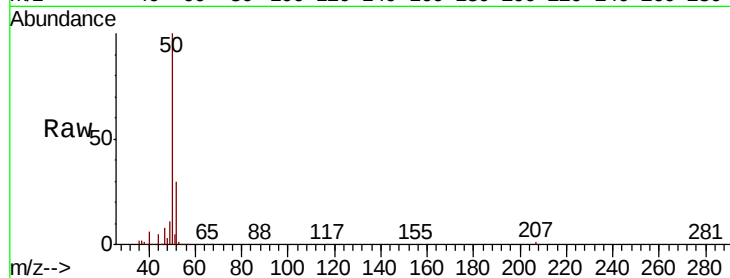
ClientSampleId :

Tot Ion: 50 Resp: 115459

Ion Ratio Lower Upper

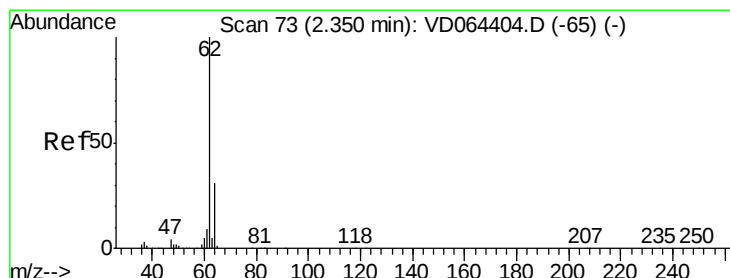
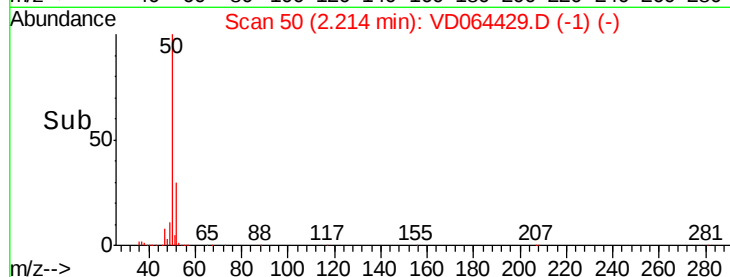
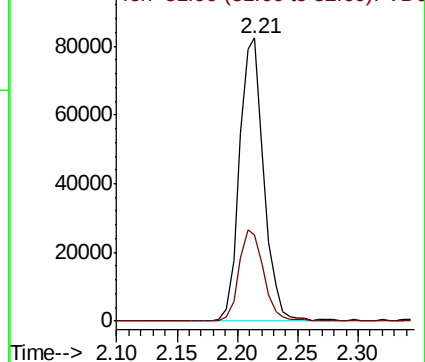
50 100

52 30.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.797 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064429.D

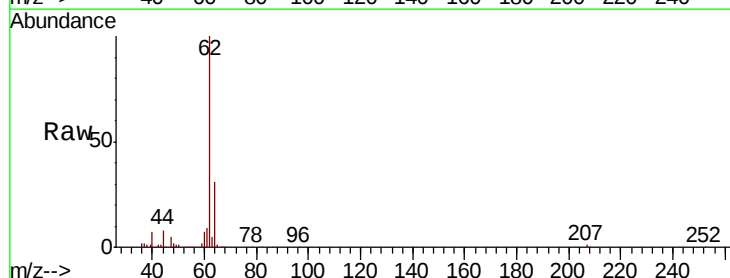
Acq: 05 Dec 2019 11:47

Tgt Ion: 62 Resp: 130264

Ion Ratio Lower Upper

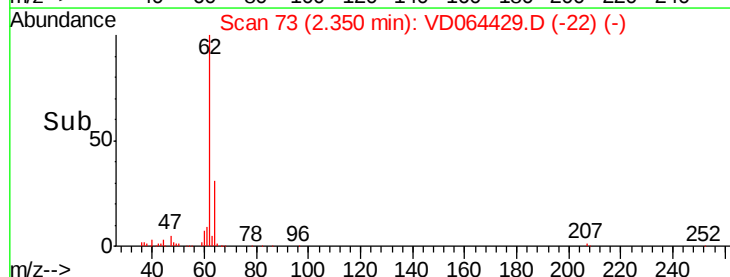
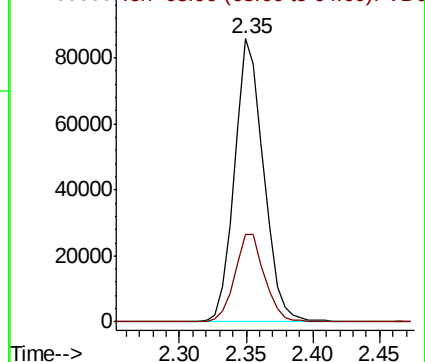
62 100

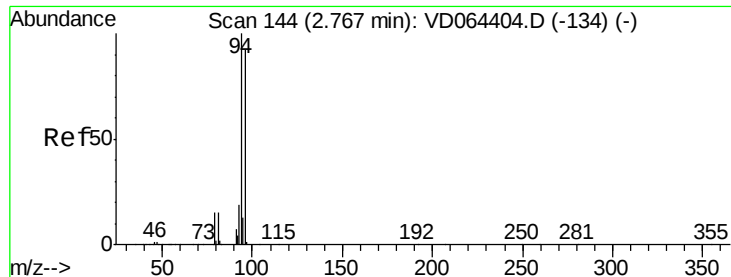
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.276 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

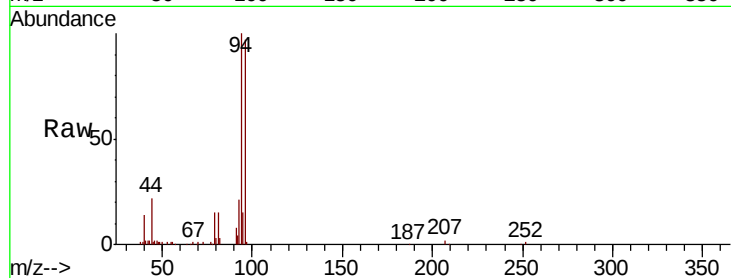
ClientSampleId :

Tot Ion: 94 Resp: 89285

Ion Ratio Lower Upper

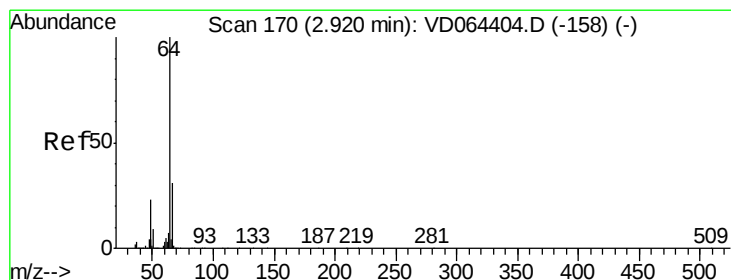
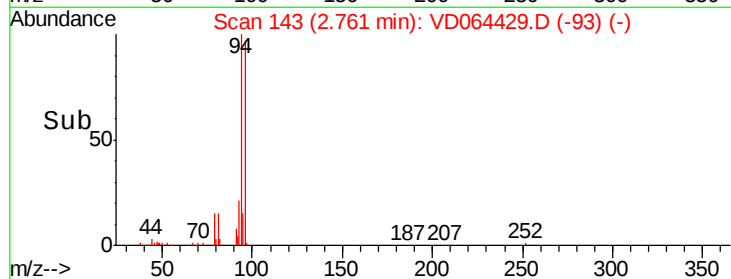
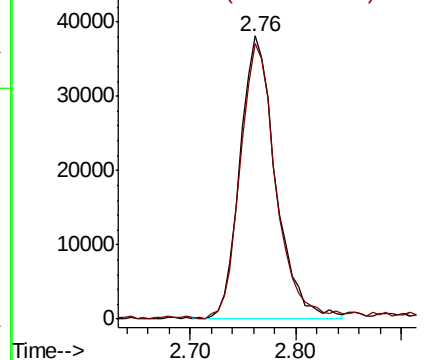
94 100

96 96.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.772 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064429.D

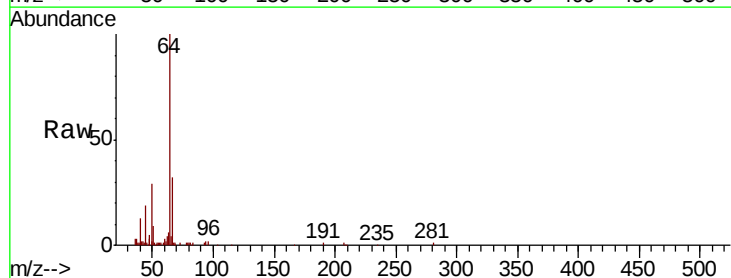
Acq: 05 Dec 2019 11:47

Tgt Ion: 64 Resp: 86964

Ion Ratio Lower Upper

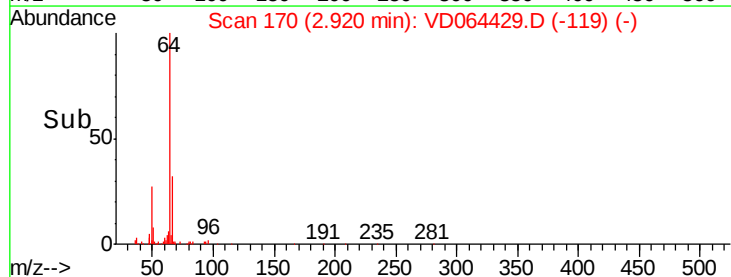
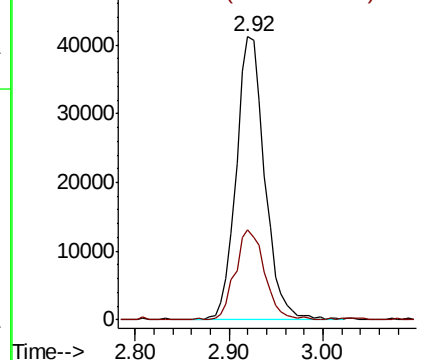
64 100

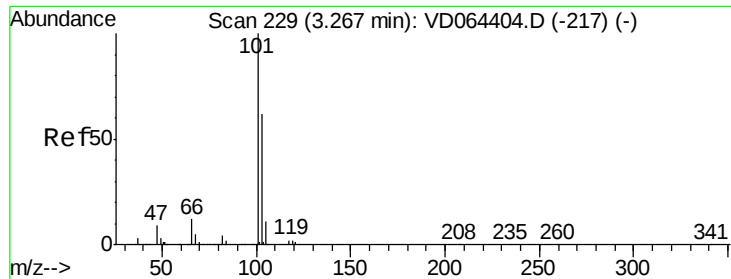
66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



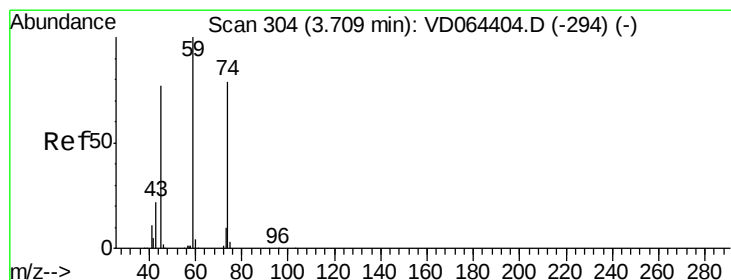
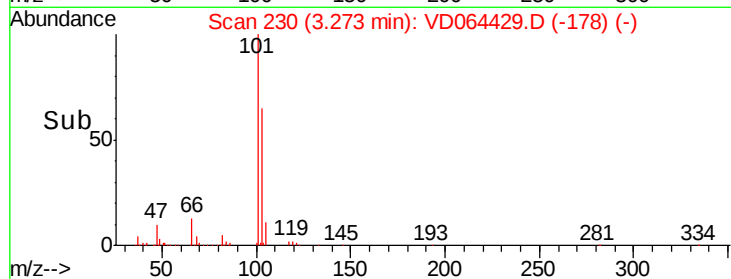
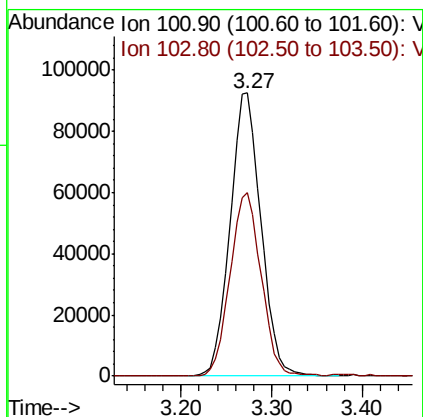
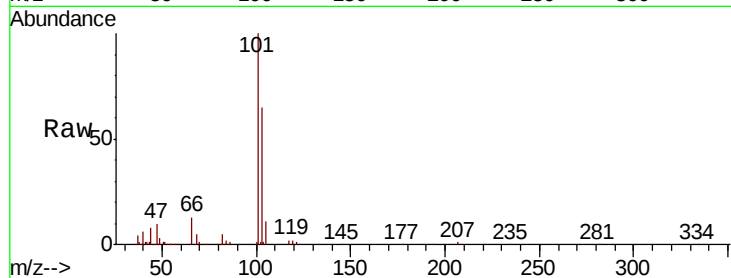


#7

Trichlorofluoromethane
Concen: 21.059 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampled :

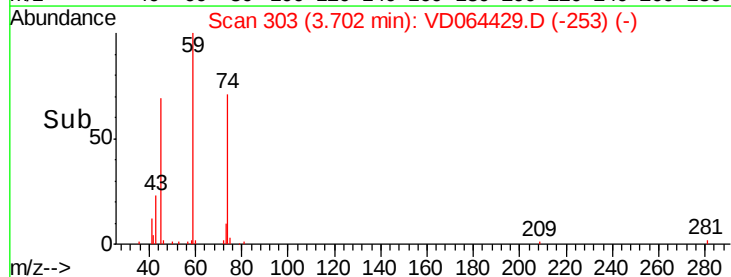
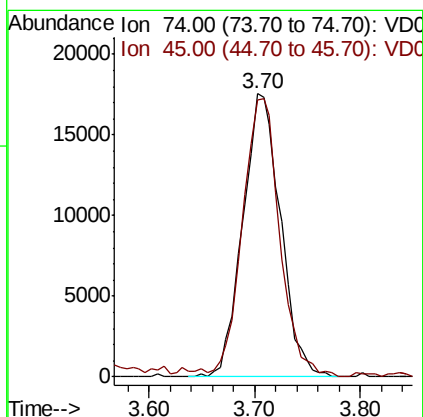
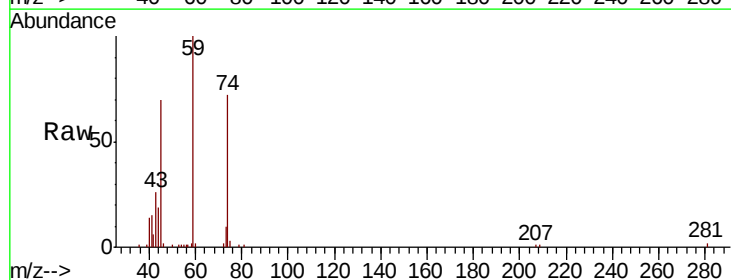
Tot Ion:101 Resp: 219284
Ion Ratio Lower Upper
101 100
103 64.9 49.8 74.6

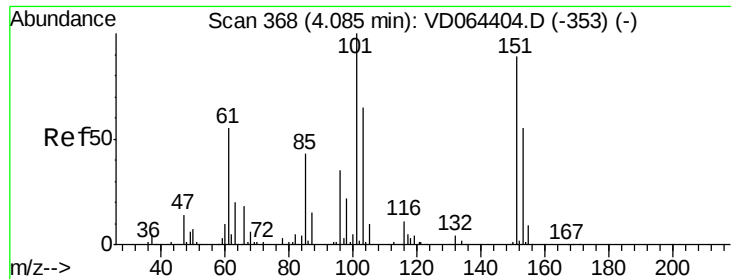


#8

Diethyl Ether
Concen: 20.056 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 74 Resp: 43397
Ion Ratio Lower Upper
74 100
45 97.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.138 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

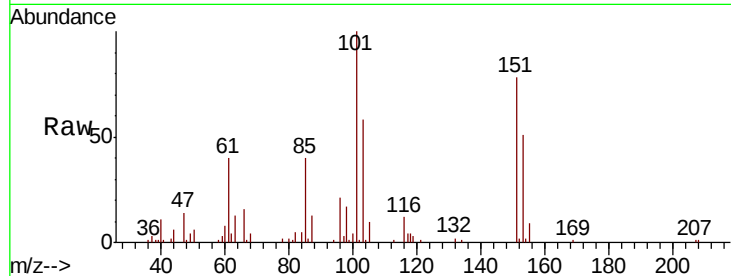
Tot Ion:101 Resp: 94372

Ion Ratio Lower Upper

101 100

85 44.8 34.8 52.2

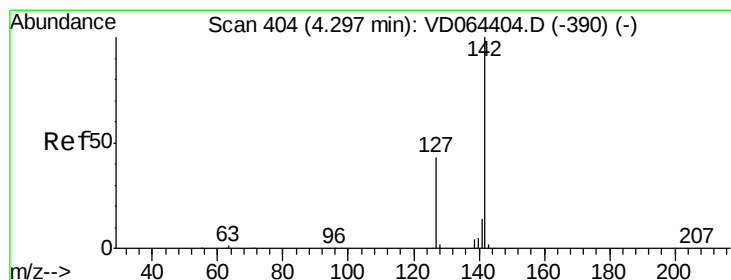
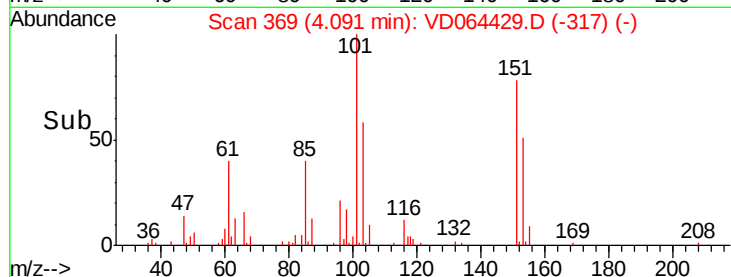
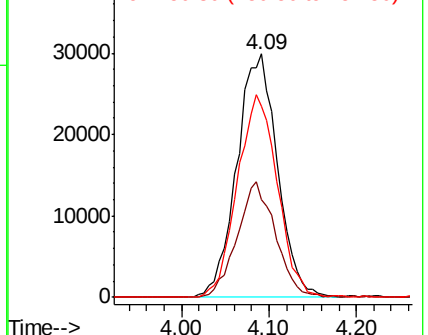
151 82.2 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.916 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

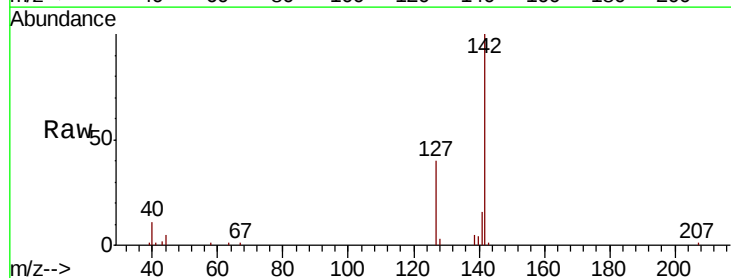
Tgt Ion:142 Resp: 89187

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

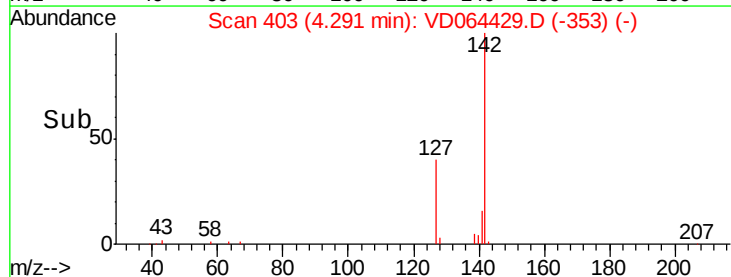
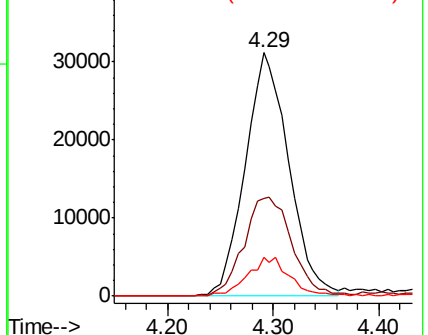
141 15.2 11.6 17.4

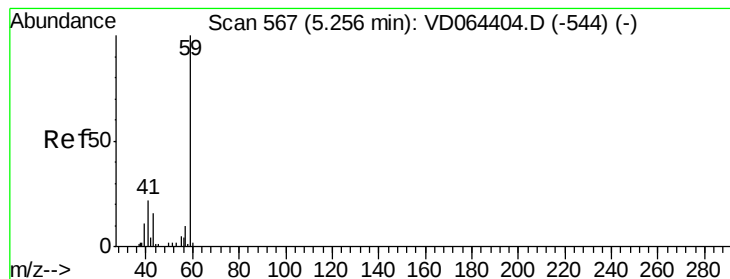


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



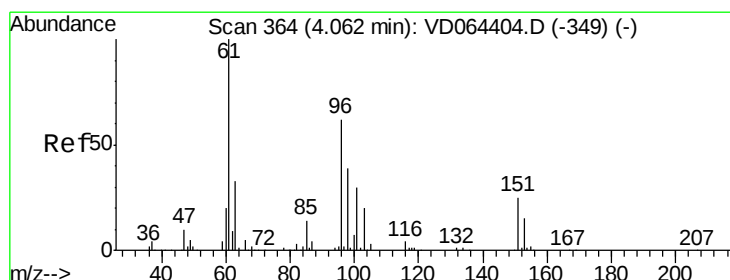
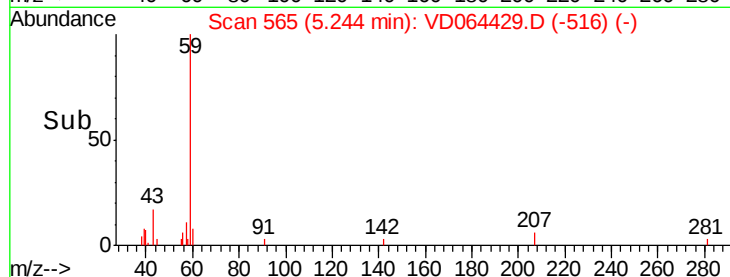
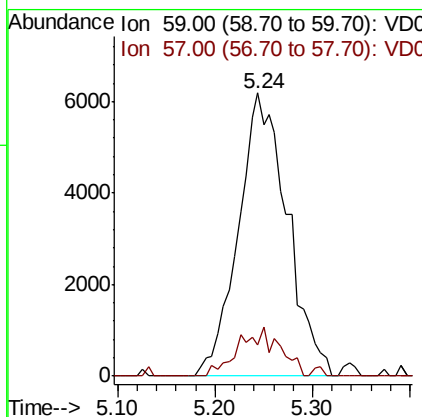
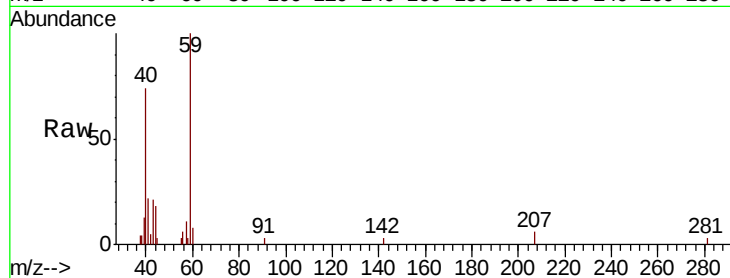


#11

Tert butyl alcohol
Concen: 79.028 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :

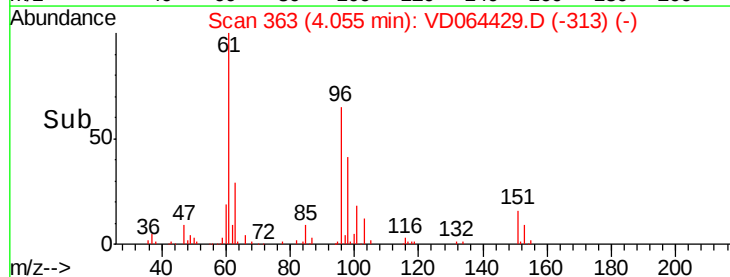
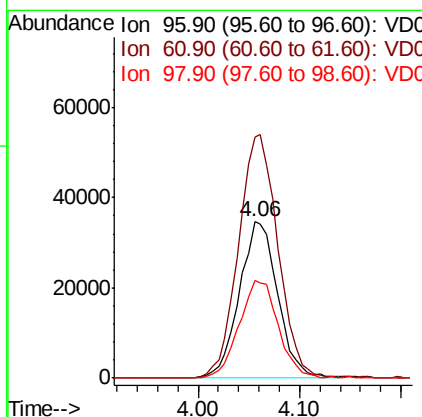
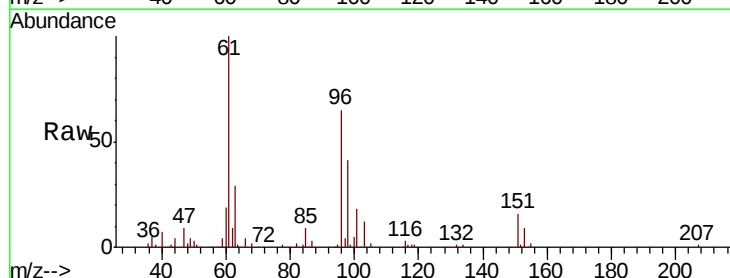
Tot Ion: 59 Resp: 21614
Ion Ratio Lower Upper
59 100
57 7.4 0.0 0.0#

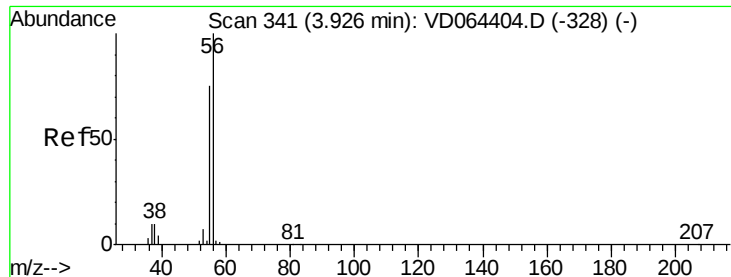


#12

1,1-Dichloroethene
Concen: 21.384 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 96 Resp: 91493
Ion Ratio Lower Upper
96 100
61 153.8 128.2 192.4
98 62.6 50.4 75.6





#13

Acrolein

Concen: 88.643 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

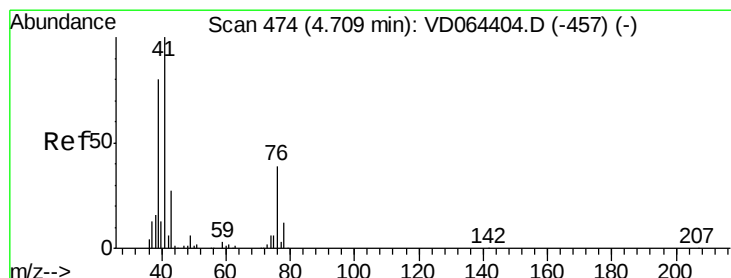
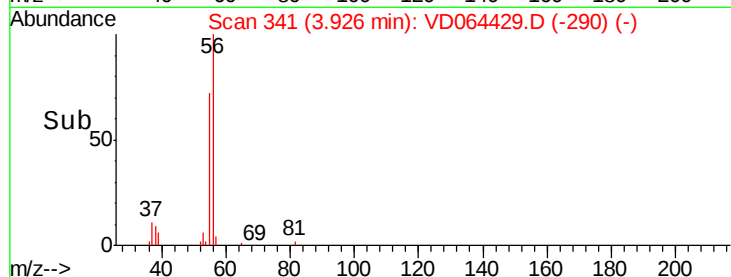
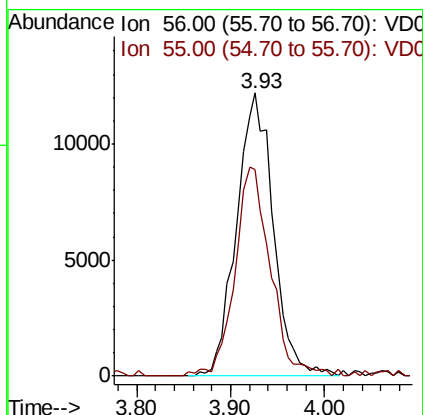
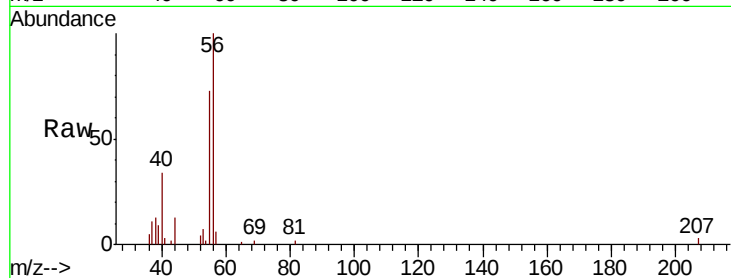
ClientSampled :

Tot Ion: 56 Resp: 33068

Ion Ratio Lower Upper

56 100

55 71.4 56.9 85.3



#14

Allyl chloride

Concen: 21.434 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

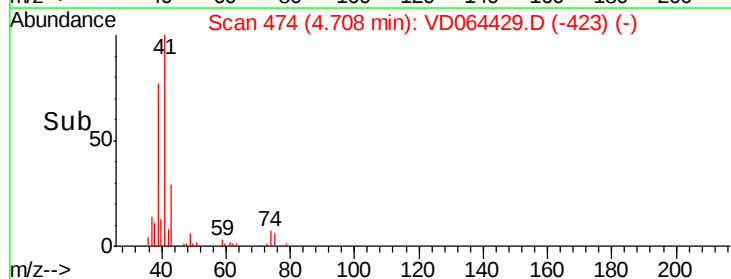
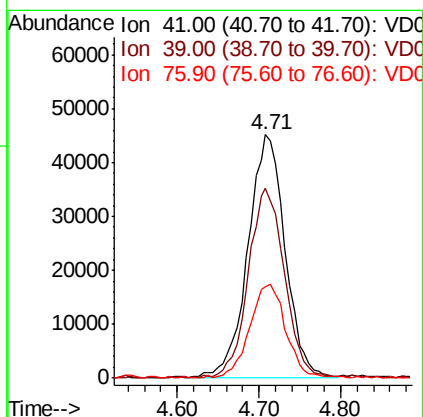
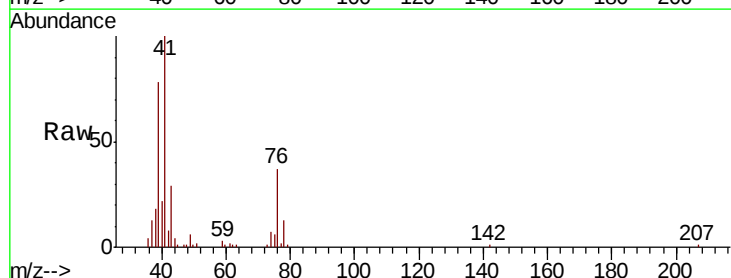
Tgt Ion: 41 Resp: 143122

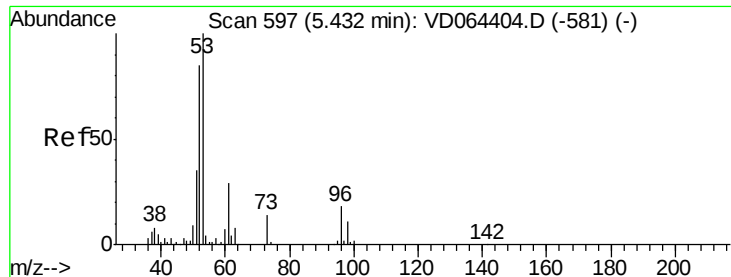
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 37.4 29.8 44.8





#15

Acrylonitrile

Concen: 94.570 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

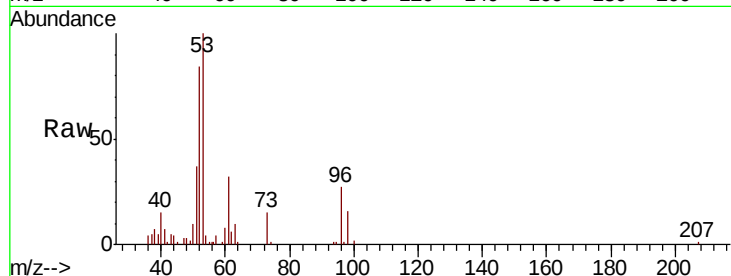
Tot Ion: 53 Resp: 89481

Ion Ratio Lower Upper

53 100

52 84.4 67.9 101.9

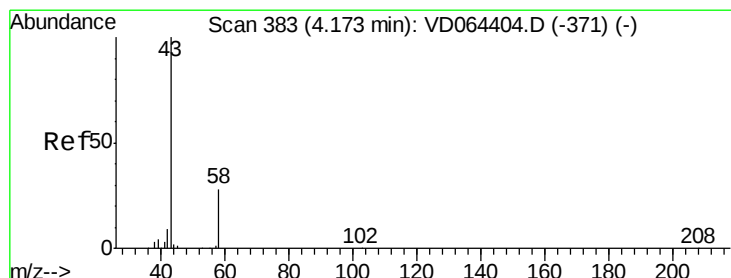
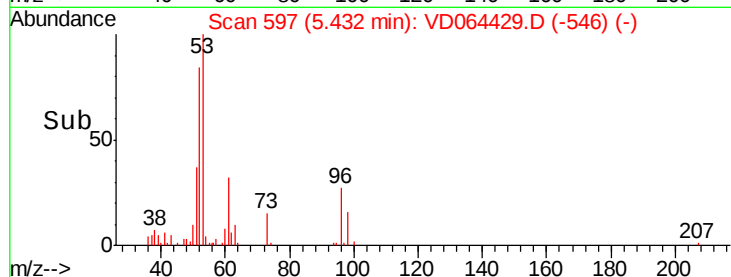
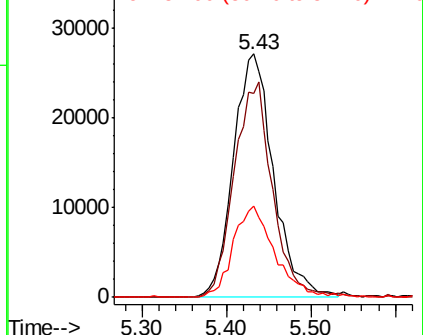
51 38.2 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 89.813 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064429.D

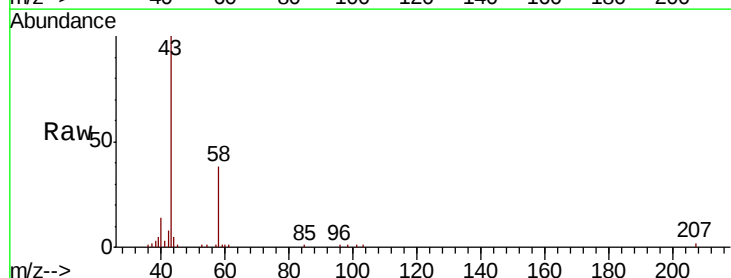
Acq: 05 Dec 2019 11:47

Tgt Ion: 43 Resp: 77980

Ion Ratio Lower Upper

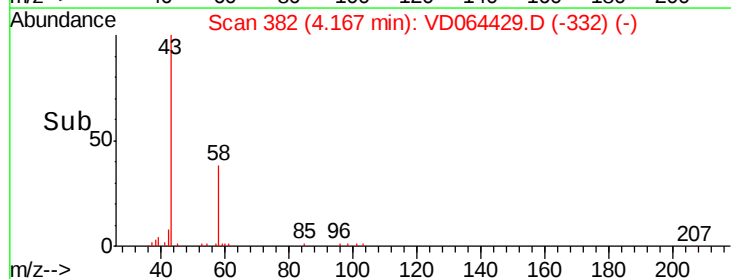
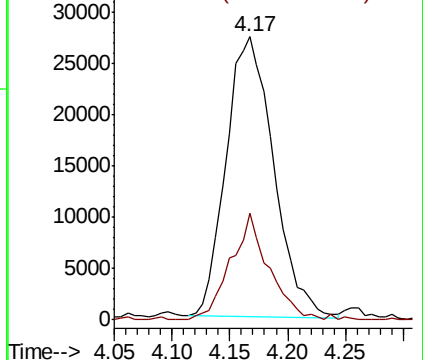
43 100

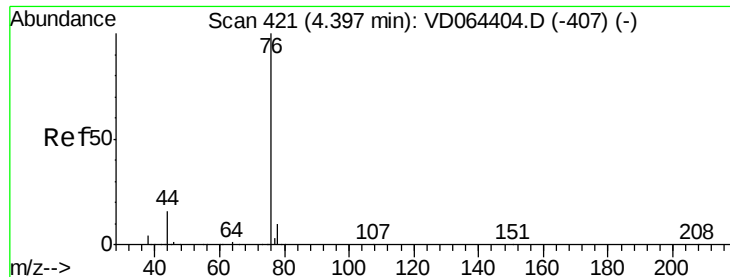
58 38.1 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.272 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

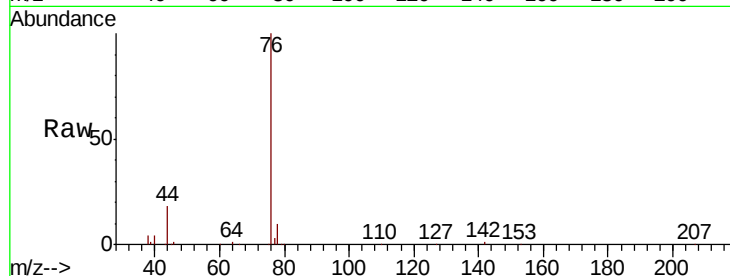
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 288255

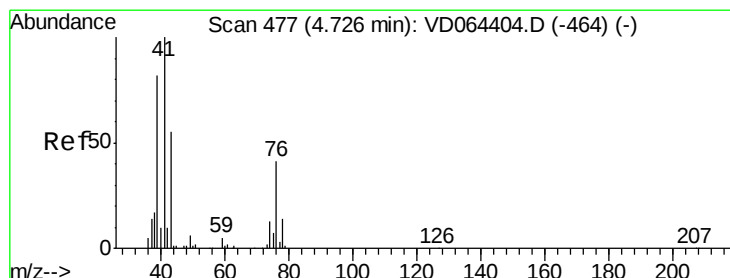
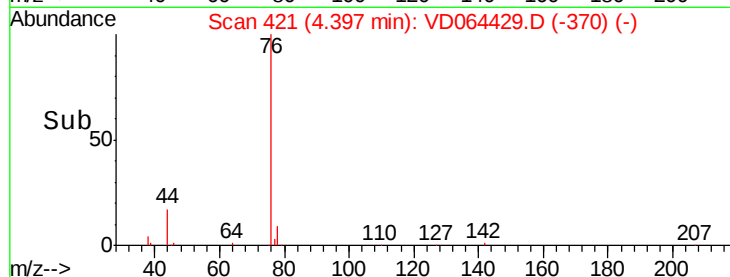
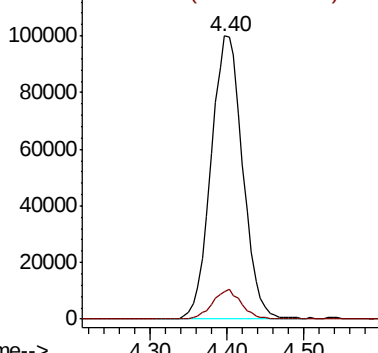
Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.8



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



#18

Methyl Acetate

Concen: 22.073 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064429.D

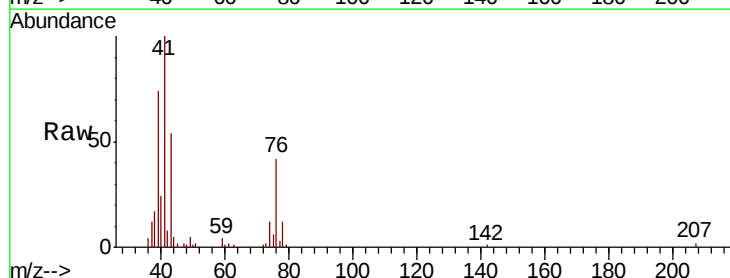
Acq: 05 Dec 2019 11:47

Tgt Ion: 43 Resp: 55901

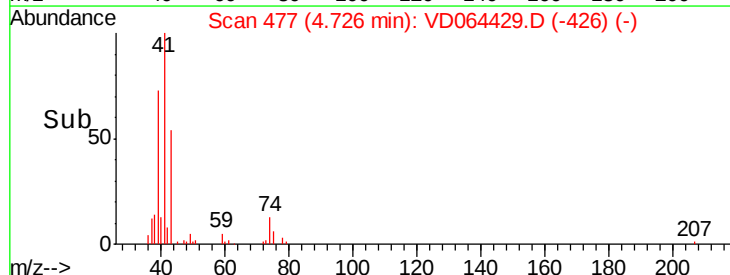
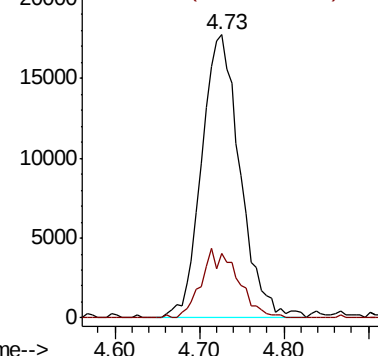
Ion Ratio Lower Upper

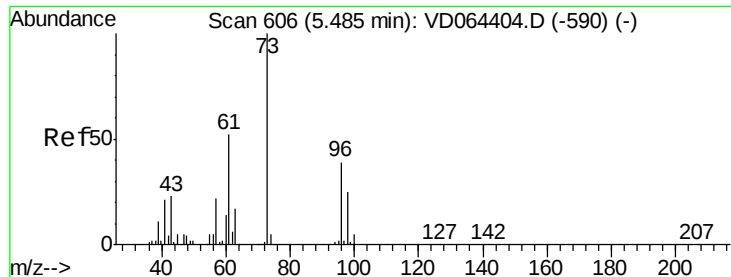
43 100

74 10.3 19.7 29.5#



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

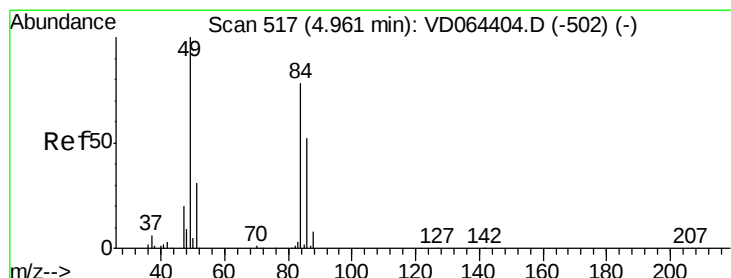
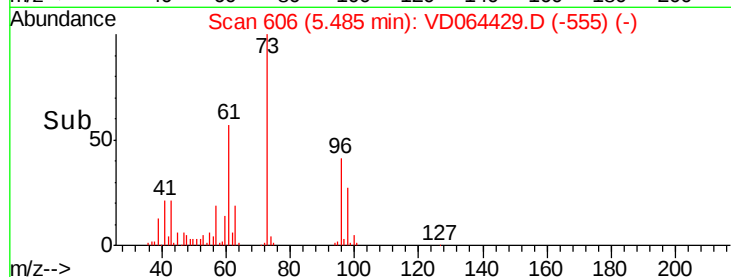
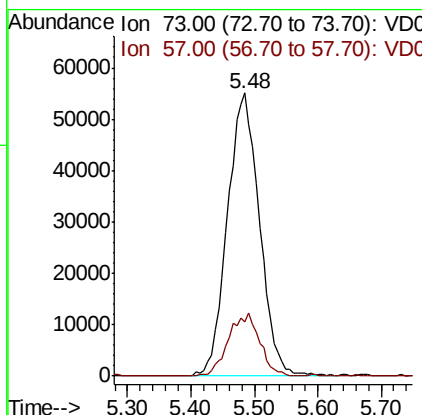
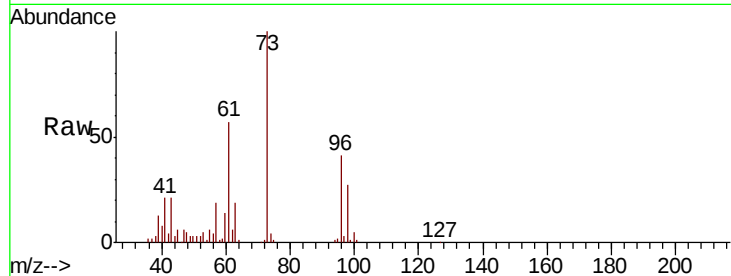




#19
Methyl tert-butyl Ether
Concen: 19.578 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

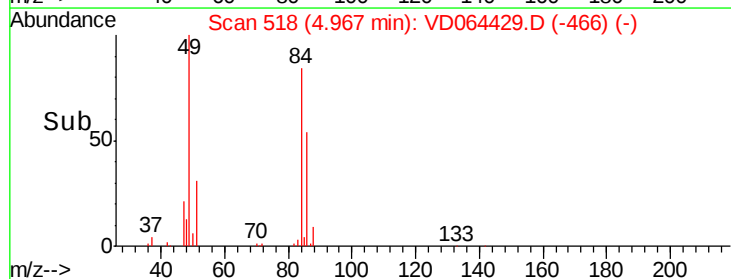
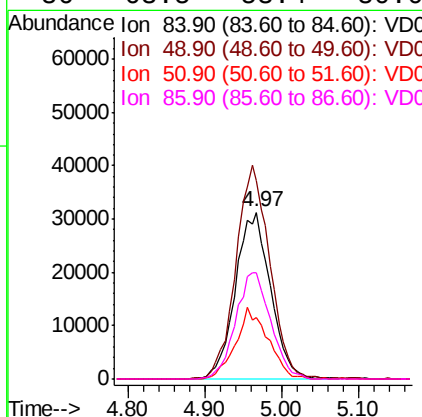
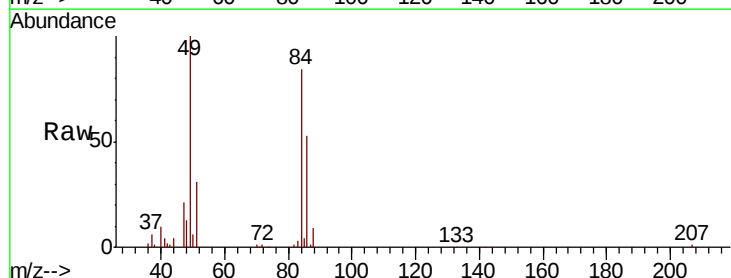
Instrument :
MSVOA_D
ClientSampled :

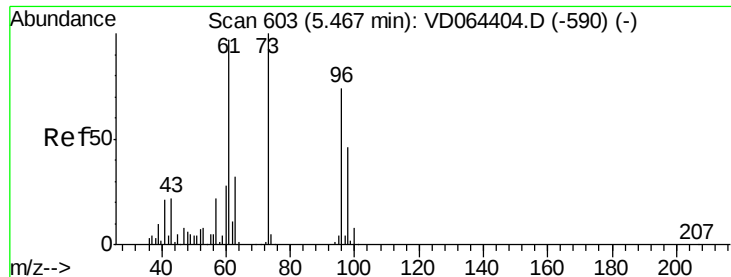
Tot Ion: 73 Resp: 192149
Ion Ratio Lower Upper
73 100
57 19.2 17.6 26.4



#20
Methylene Chloride
Concen: 19.994 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 84 Resp: 99978
Ion Ratio Lower Upper
84 100
49 119.1 102.6 153.8
51 37.0 32.0 48.0
86 63.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.992 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

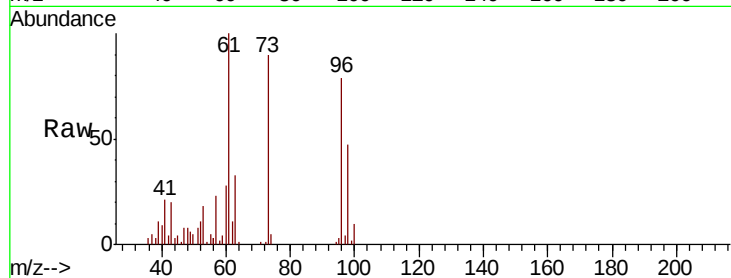
Tot Ion: 96 Resp: 101593

Ion Ratio Lower Upper

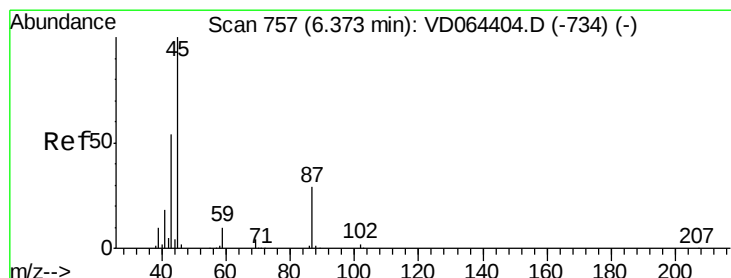
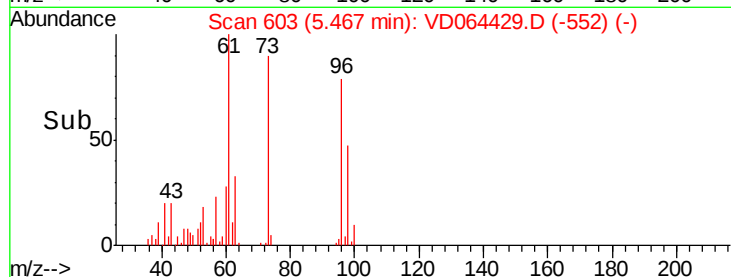
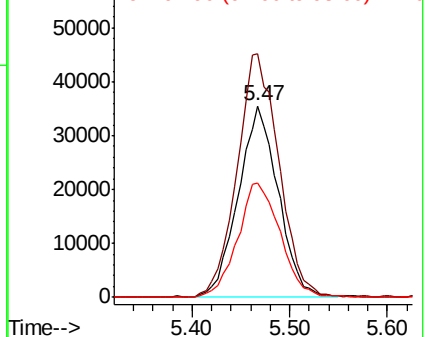
96 100

61 126.8 105.8 158.6

98 59.5 50.1 75.1



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



#22

Diisopropyl ether

Concen: 20.646 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion: 45 Resp: 272152

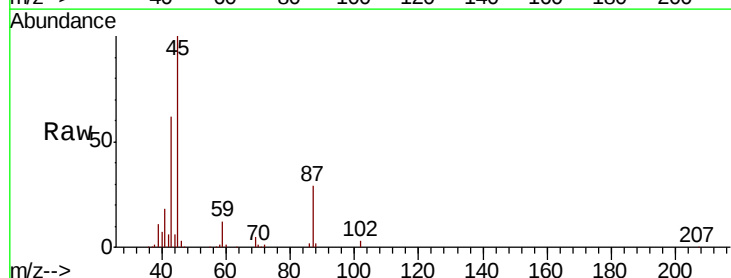
Ion Ratio Lower Upper

45 100

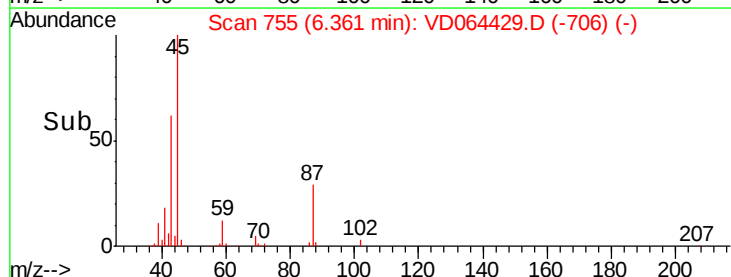
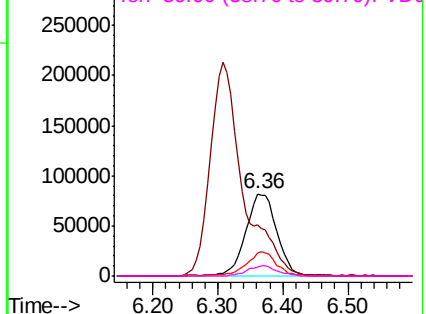
43 61.4 43.1 64.7

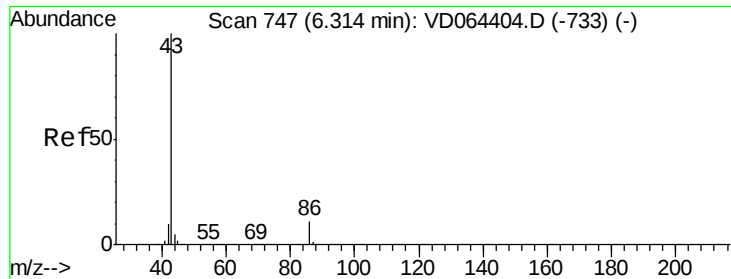
87 28.6 23.5 35.3

59 11.7 8.2 12.2



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





#23

Vinyl Acetate

Concen: 95.825 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

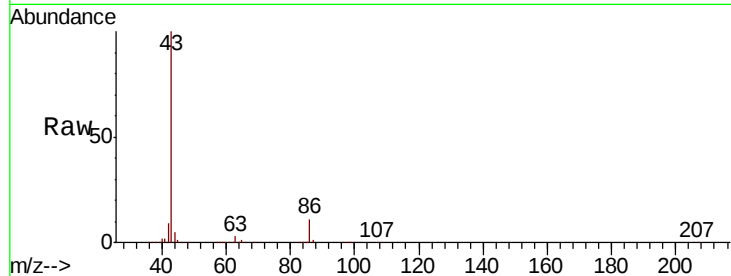
ClientSampleId :

Tot Ion: 43 Resp: 744658

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

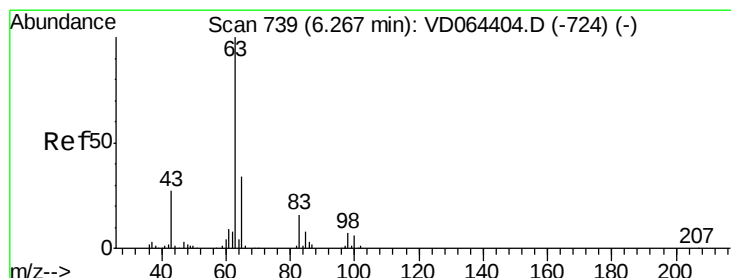
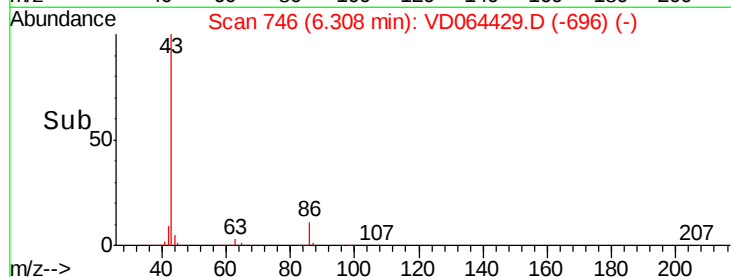
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.401 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

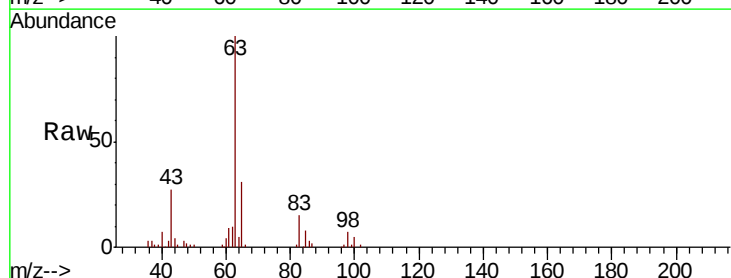
Tgt Ion: 63 Resp: 169650

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 5.0 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

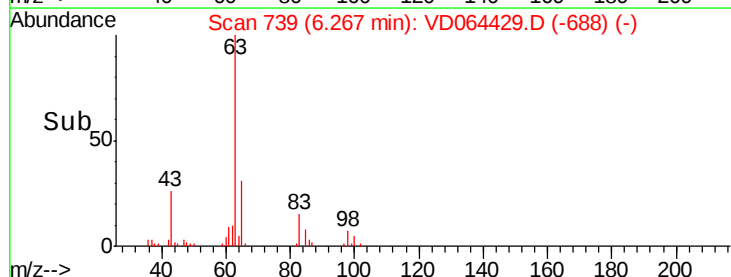
60000

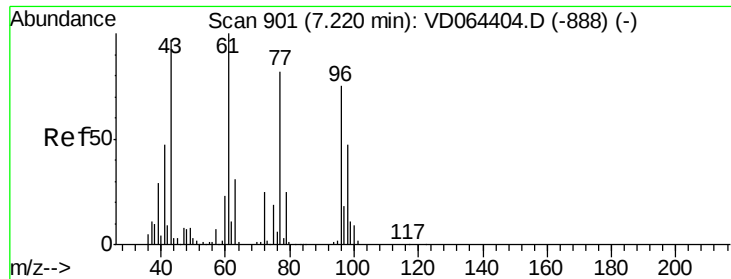
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 87.754 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

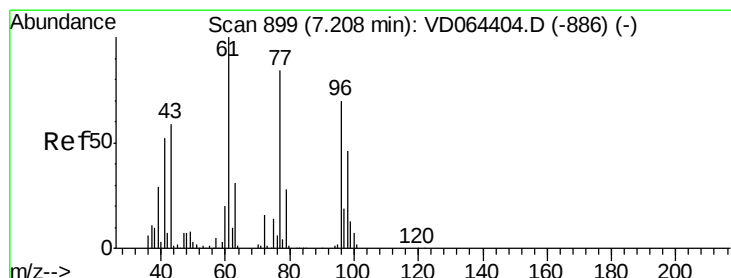
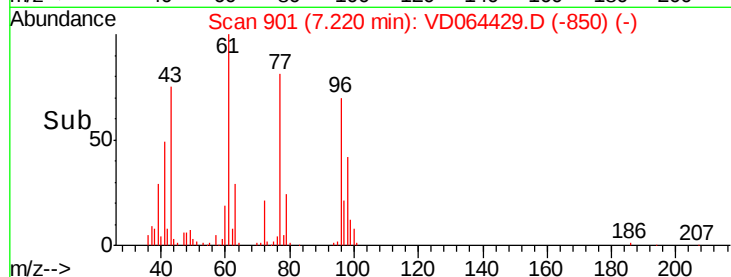
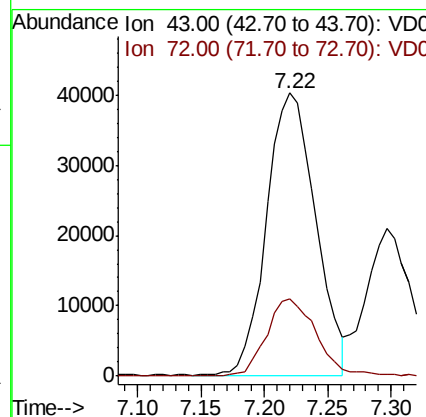
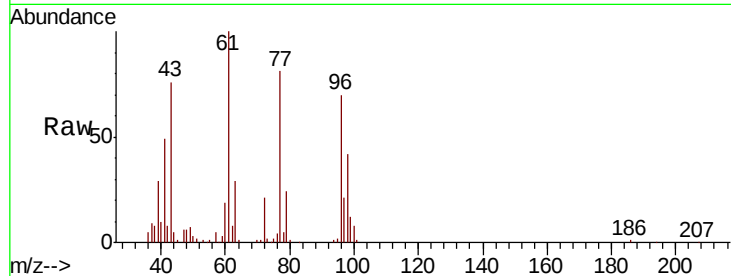
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 107751

Ion Ratio Lower Upper

43 100

72 27.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.102 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064429.D

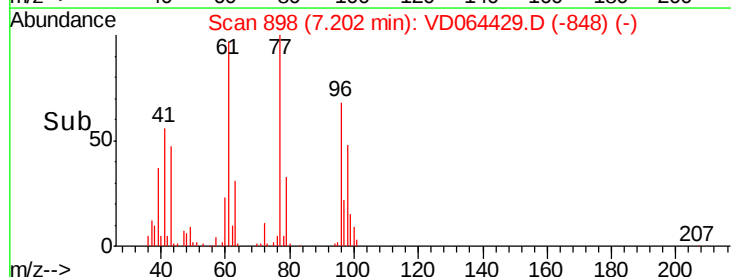
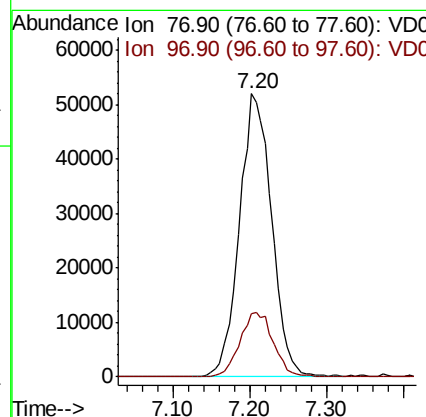
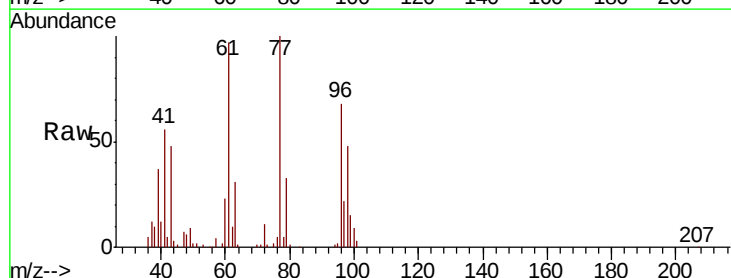
Acq: 05 Dec 2019 11:47

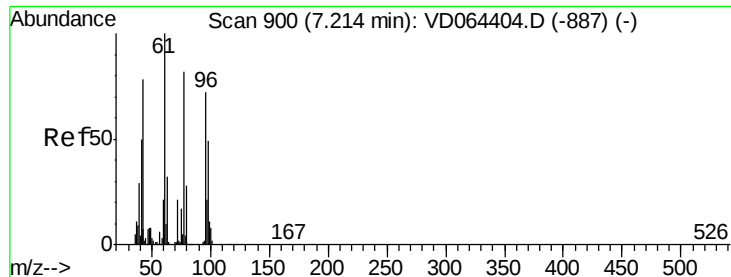
Tgt Ion: 77 Resp: 152370

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7



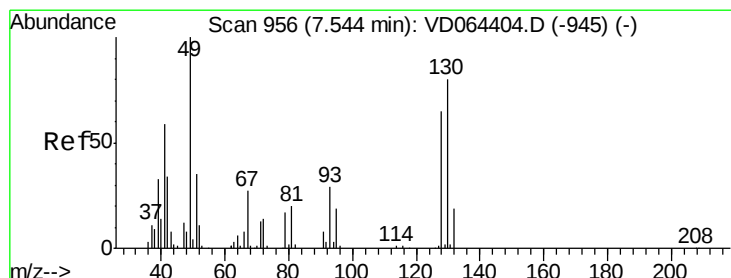
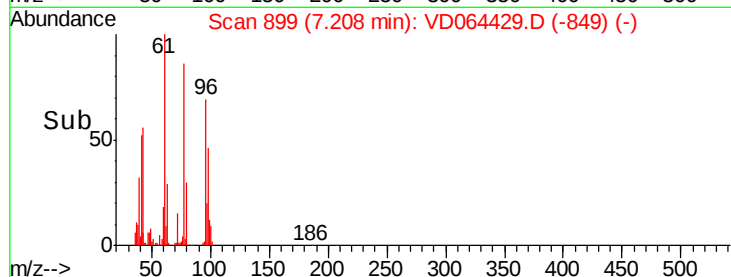
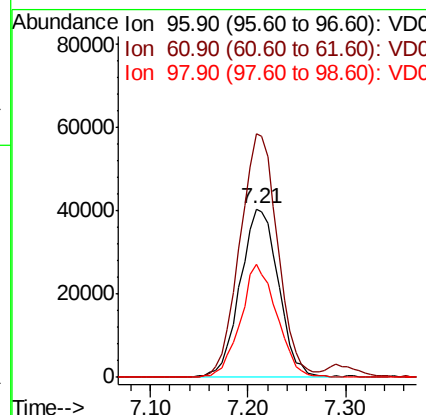
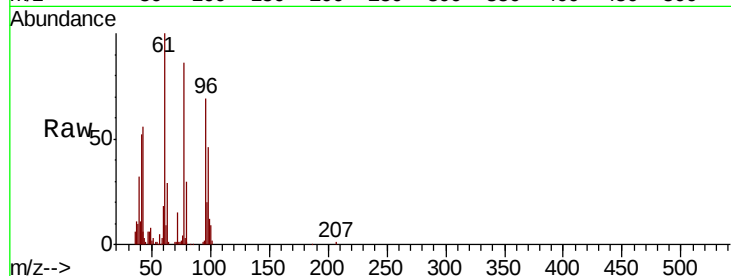


#27

cis-1,2-Dichloroethene
Concen: 20.877 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :

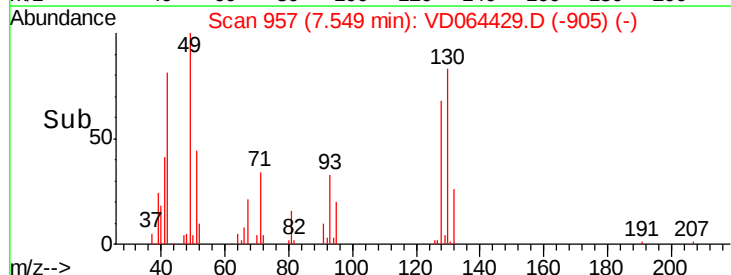
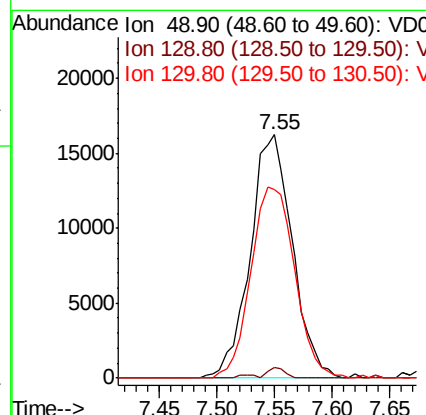
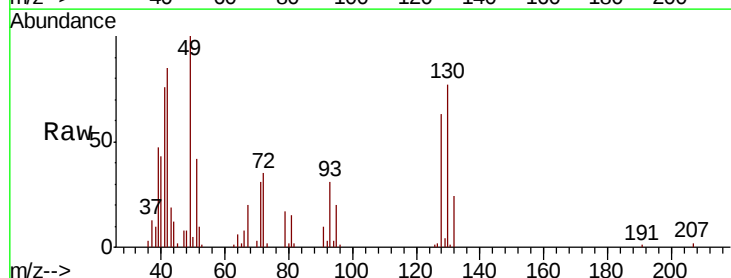
Tot Ion	96	Resp	110153
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	279.6
98	63.7	0.0	129.2

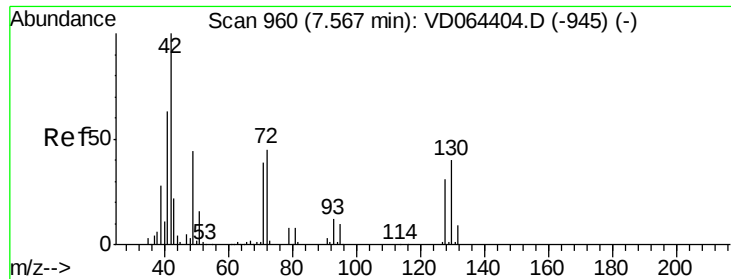


#28

Bromochloromethane
Concen: 15.216 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	49	Resp	41221
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	81.8	67.4	101.0

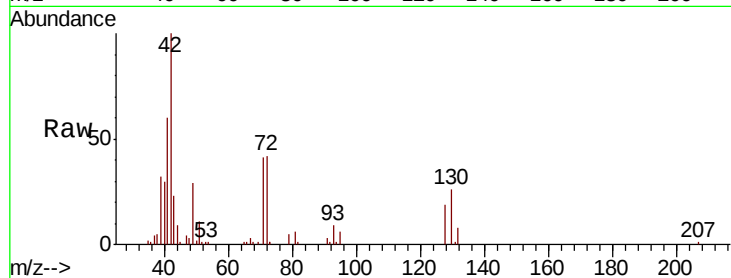




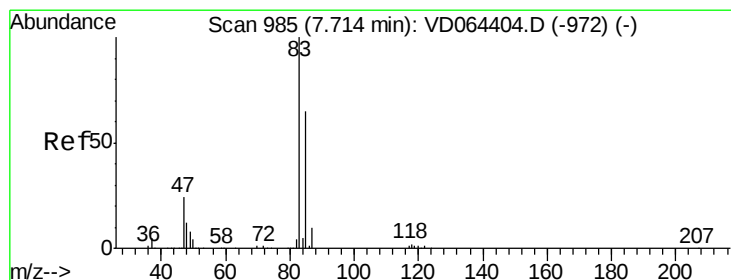
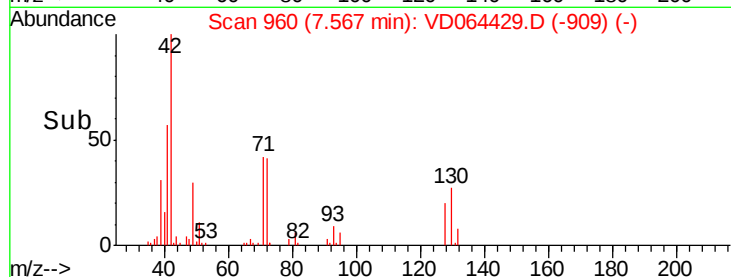
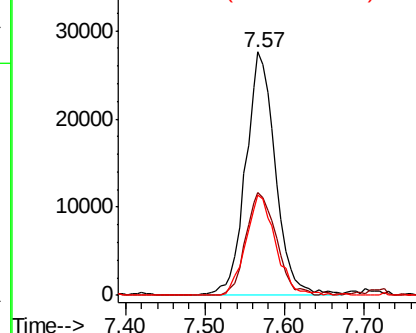
#29
Tetrahydrofuran
Concen: 92.383 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 72170
Ion Ratio Lower Upper
42 100
72 42.9 35.8 53.8
71 41.0 32.7 49.1

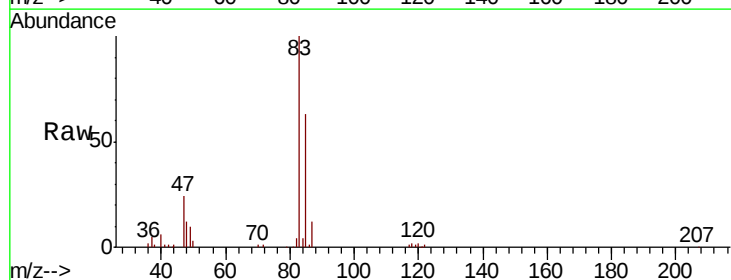


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

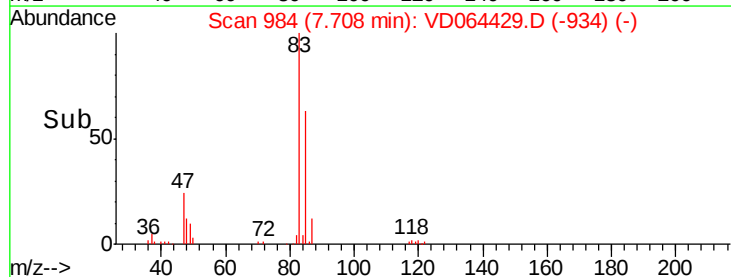
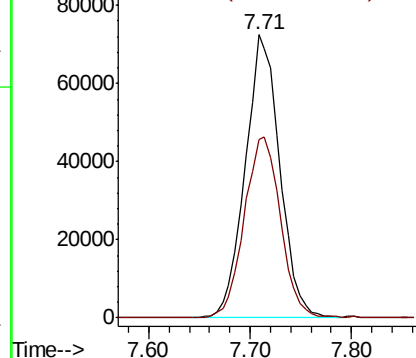


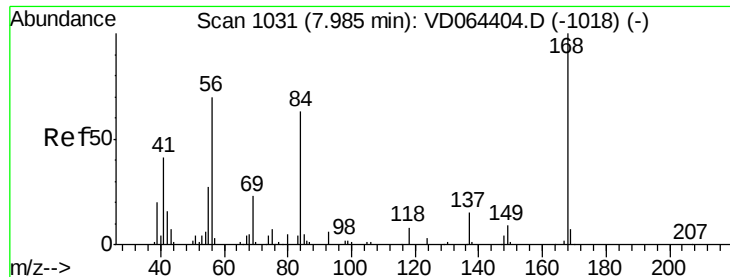
#30
Chloroform
Concen: 20.902 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 83 Resp: 171607
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6



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

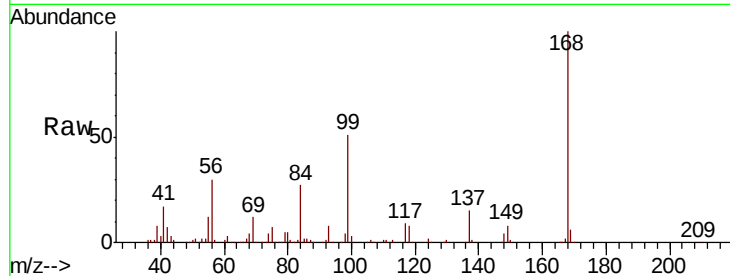




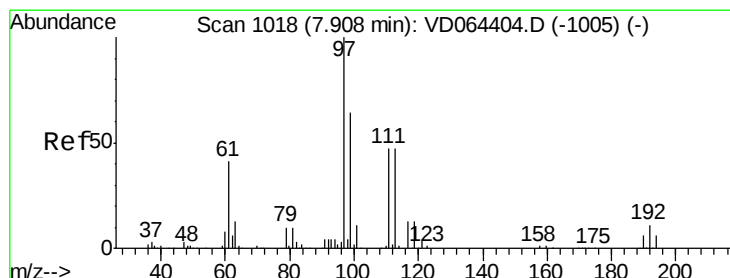
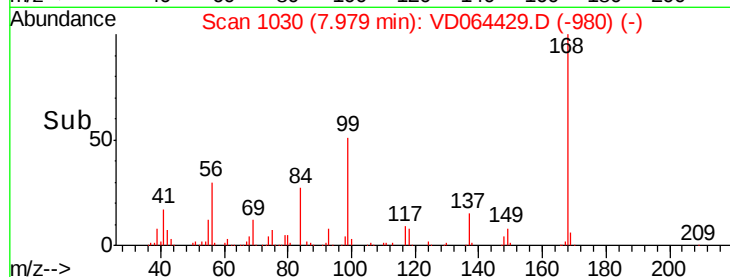
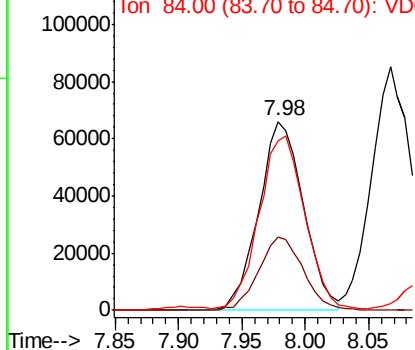
#31
Cyclohexane
Concen: 20.769 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 162301
Ion Ratio Lower Upper
56 100
69 39.0 26.2 39.4
84 88.5 70.3 105.5

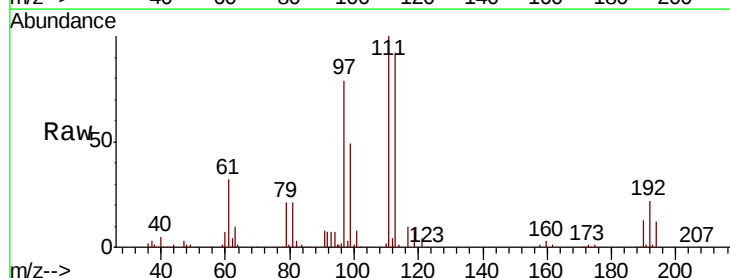


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

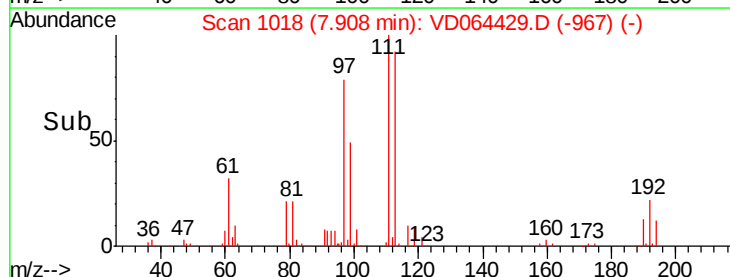
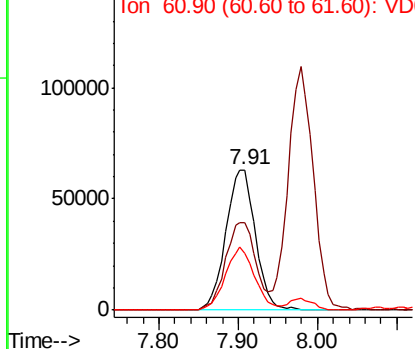


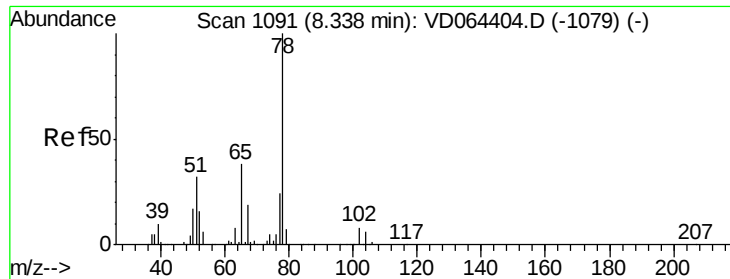
#32
1,1,1-Trichloroethane
Concen: 21.412 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 97 Resp: 162979
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.2
61 44.2 35.0 52.4



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

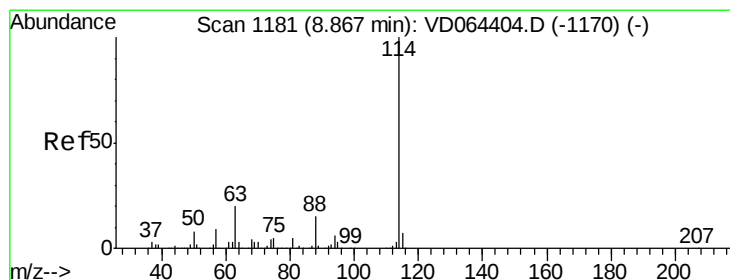
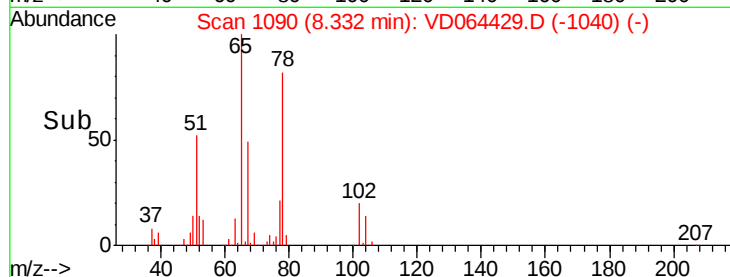
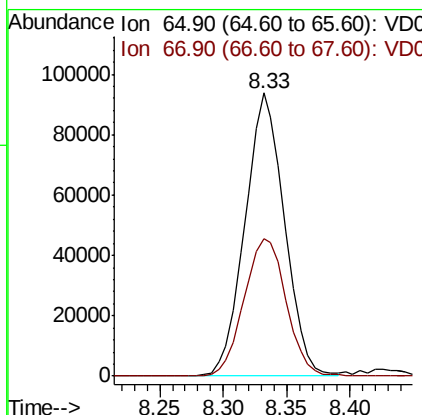
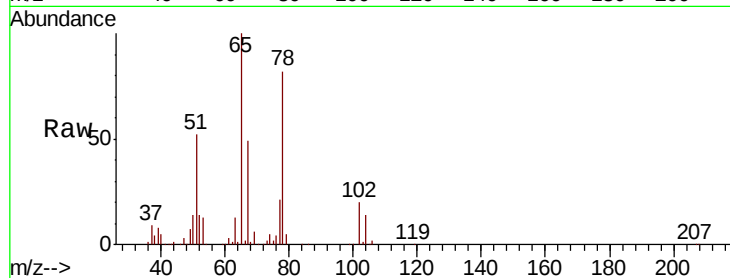




#33
 1,2-Dichloroethane-d4
 Concen: 47.304 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

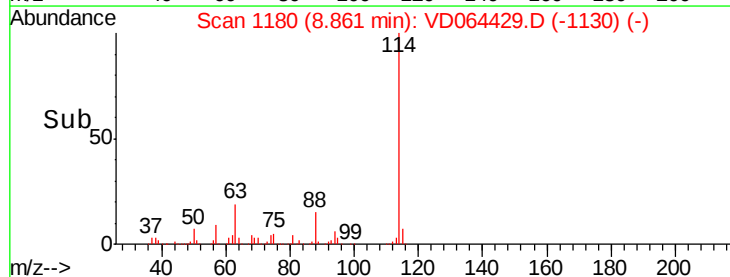
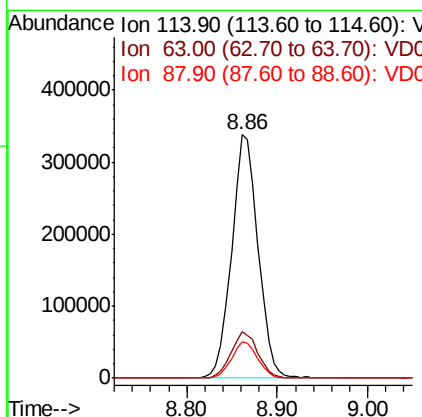
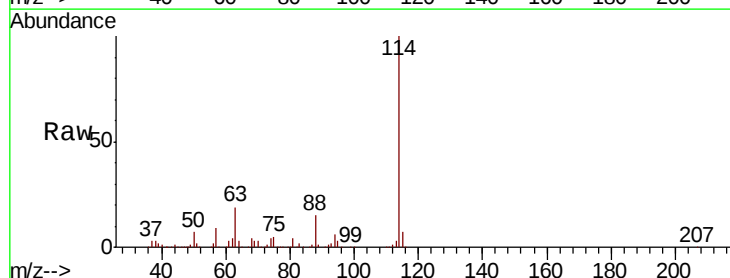
Instrument :
 MSVOA_D
 ClientSampleId :

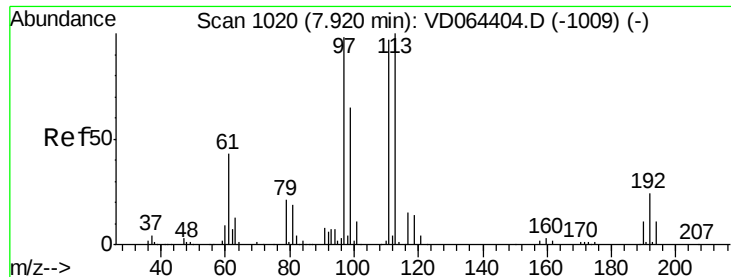
Tot Ion: 65 Resp: 203245
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 114 Resp: 684391
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.0 0.0 29.2

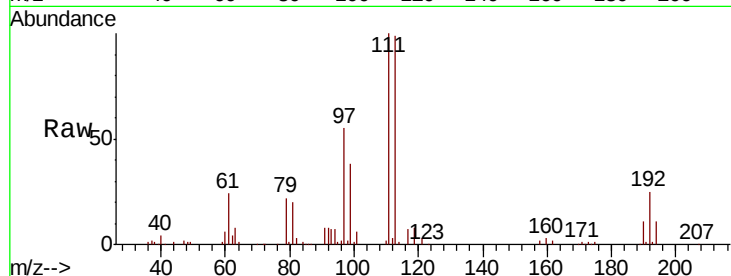




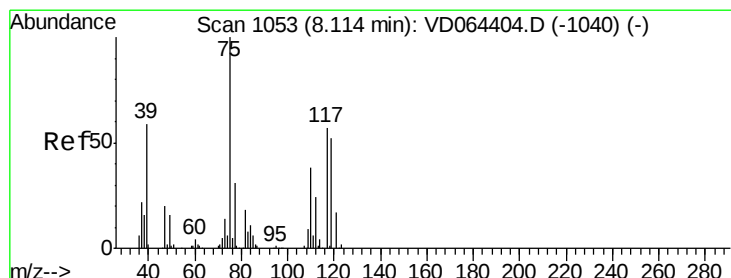
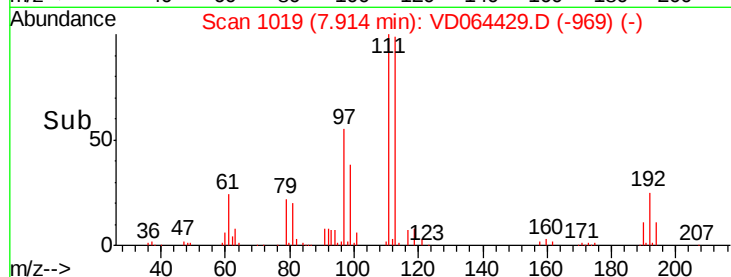
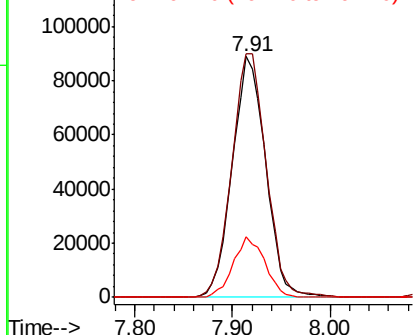
#35
 Dibromofluoromethane
 Concen: 48.989 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 211242
 Ion Ratio Lower Upper
 113 100
 111 104.4 79.4 119.2
 192 23.8 18.6 28.0

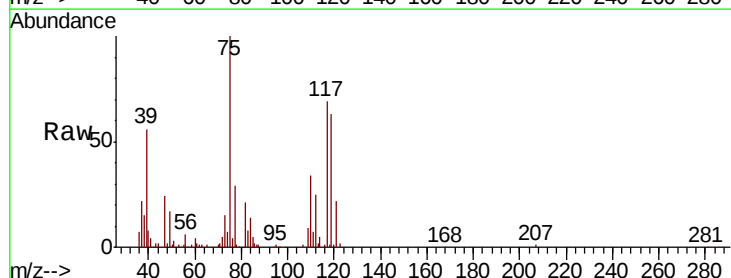


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

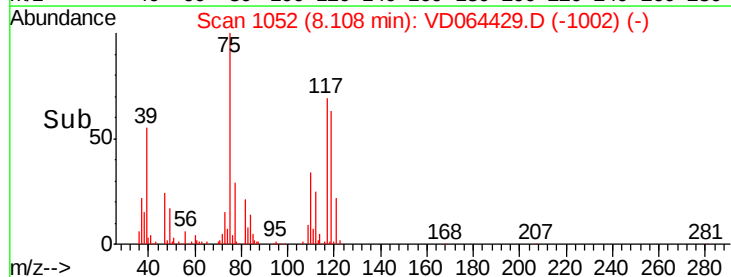
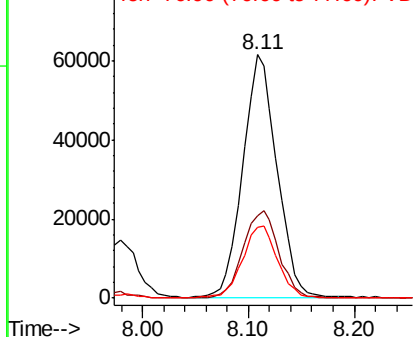


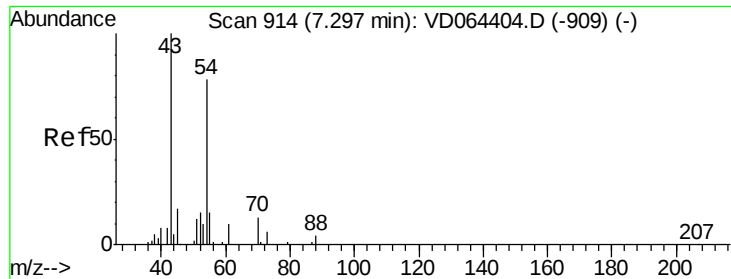
#36
 1,1-Dichloropropene
 Concen: 21.248 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 75 Resp: 137545
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.6 55.8
 77 30.8 25.0 37.4



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

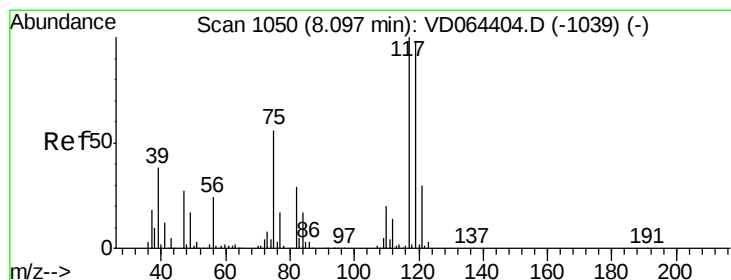
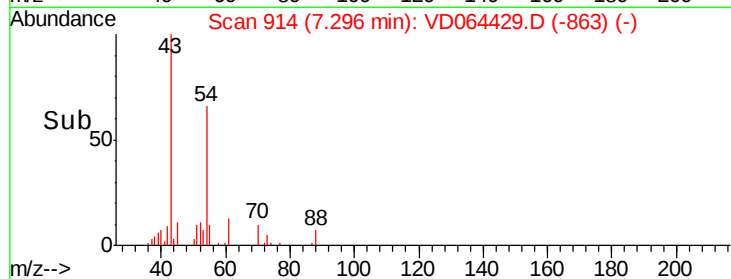
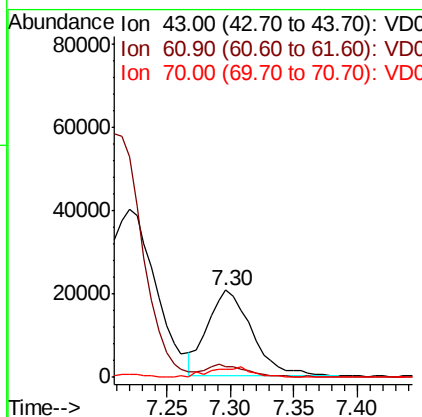
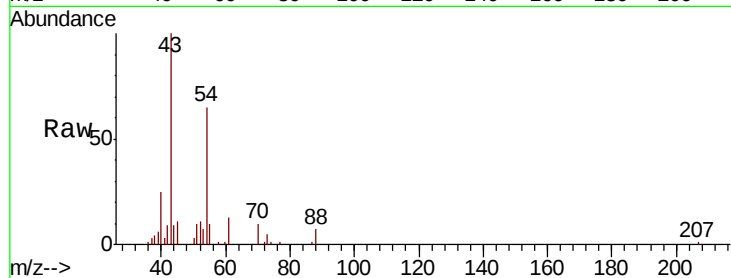




#37
Ethyl Acetate
Concen: 18.334 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

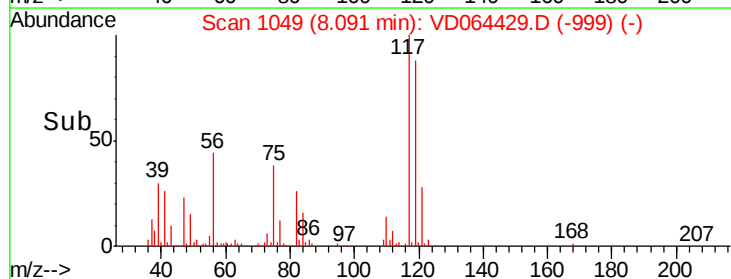
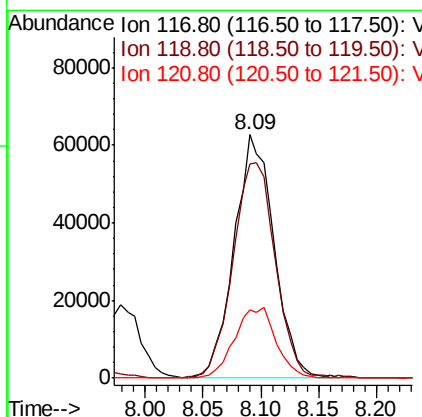
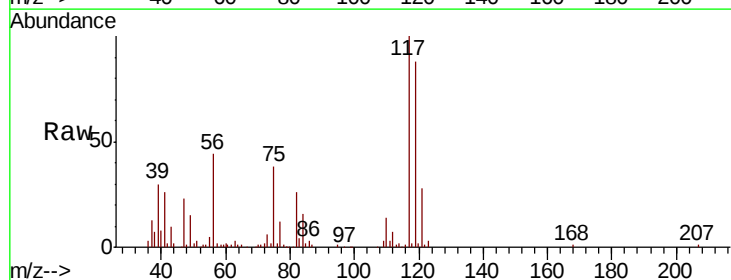
Instrument :
MSVOA_D
ClientSampleId :

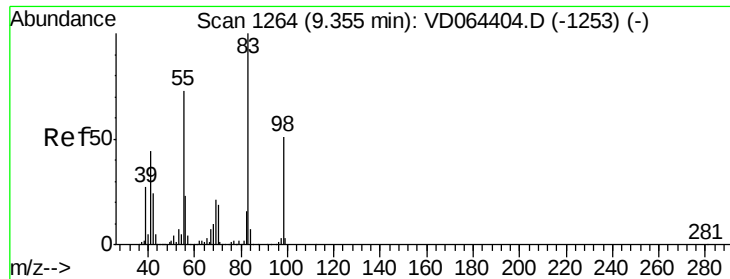
Tot Ion: 43 Resp: 50360
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 12.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.021 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 117 Resp: 150449
Ion Ratio Lower Upper
117 100
119 87.7 78.8 118.2
121 28.1 24.2 36.2

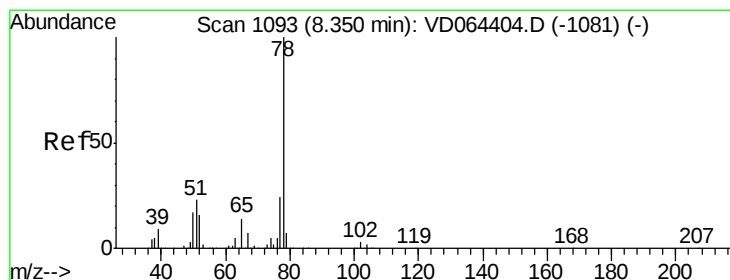
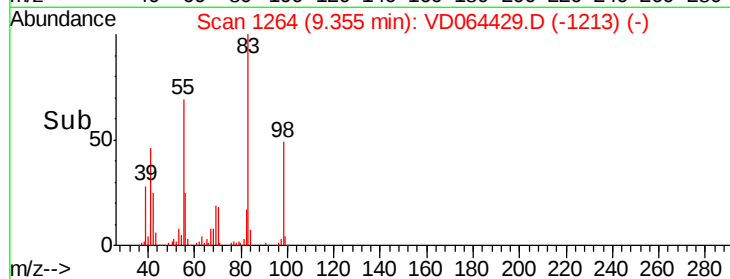
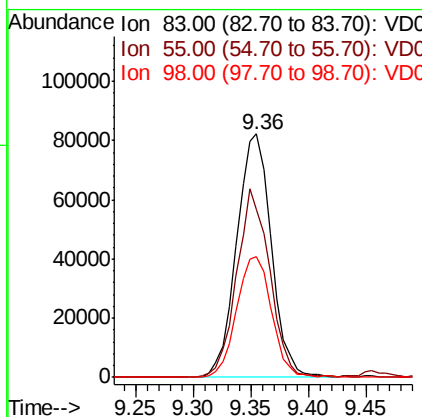
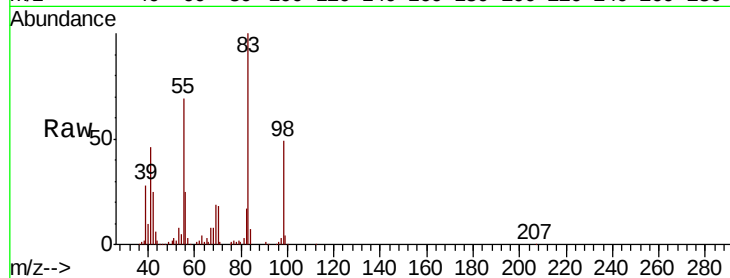




#39
Methvlcvclohexane
Concen: 21.349 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

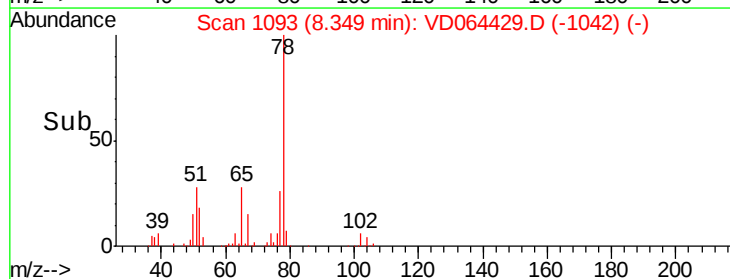
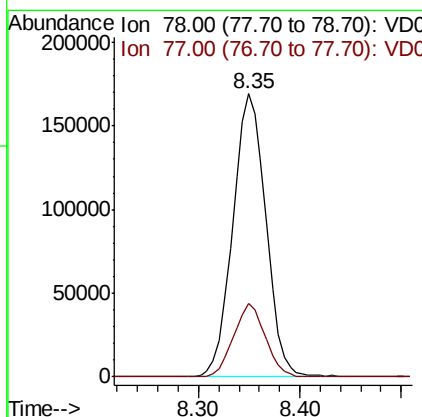
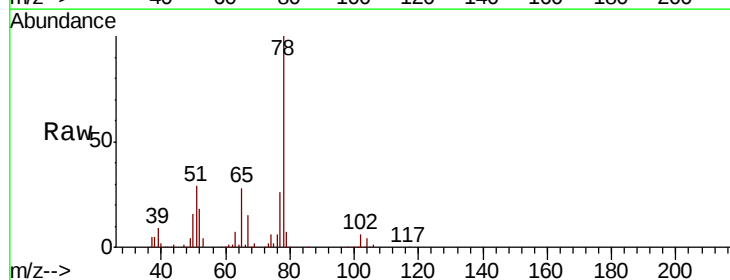
Instrument :
MSVOA_D
ClientSampled :

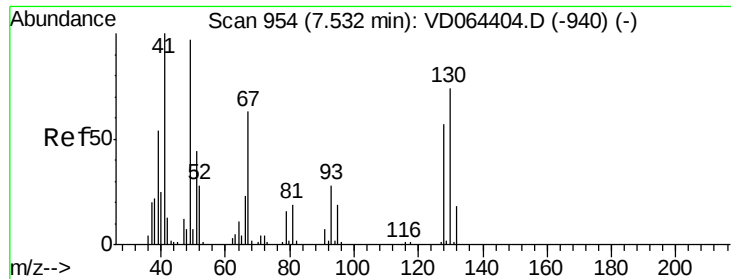
Tot Ion: 83 Resp: 171433
Ion Ratio Lower Upper
83 100
55 68.5 58.6 87.8
98 49.4 40.9 61.3



#40
Benzene
Concen: 21.237 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 78 Resp: 381821
Ion Ratio Lower Upper
78 100
77 25.9 19.6 29.4

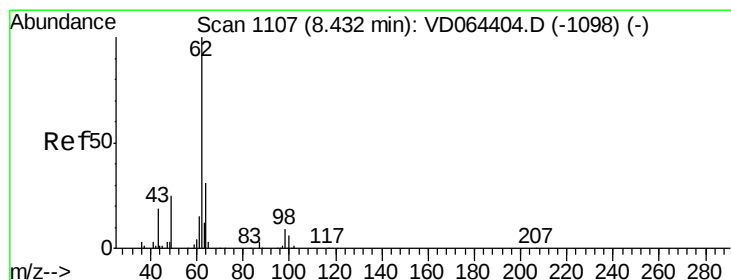
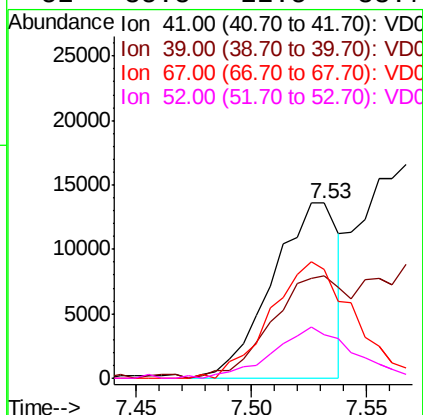
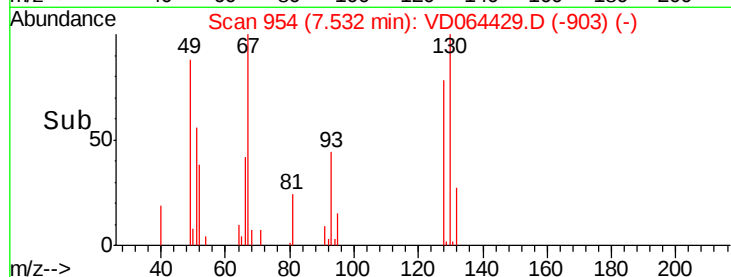
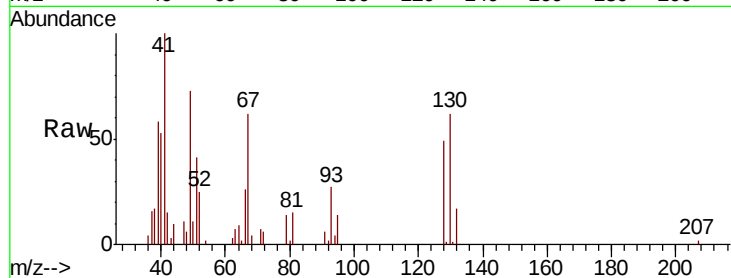




#41
Methacrylonitrile
Concen: 17.188 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

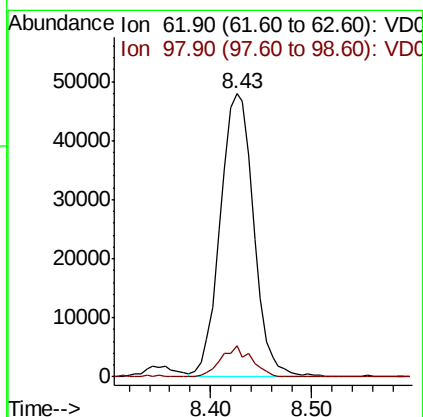
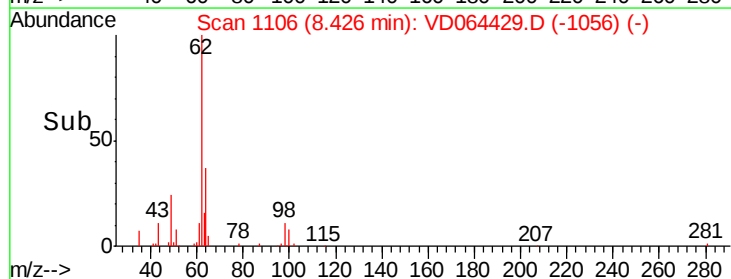
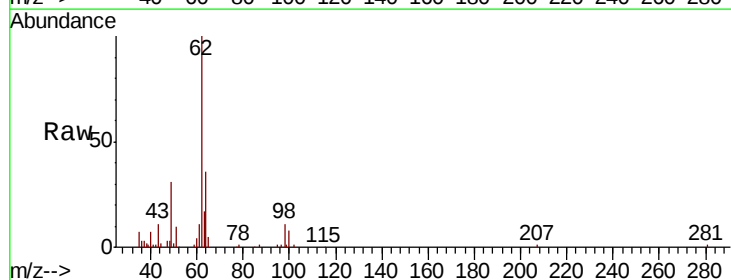
Instrument :
MSVOA_D
ClientSampled :

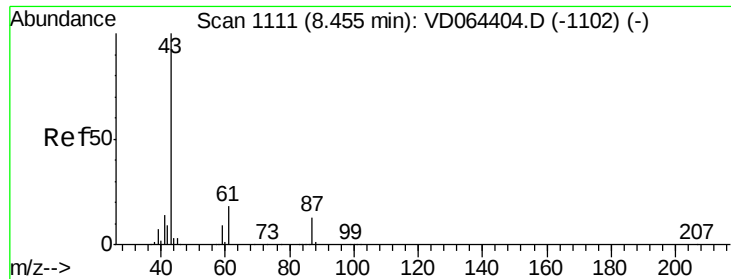
Tot Ion: 41 Resp: 27076
Ion Ratio Lower Upper
41 100
39 67.1 44.6 67.0#
67 83.3 50.9 76.3#
52 35.8 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 20.947 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 62 Resp: 109829
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.6





#43

Isopropyl Acetate

Concen: 18.950 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

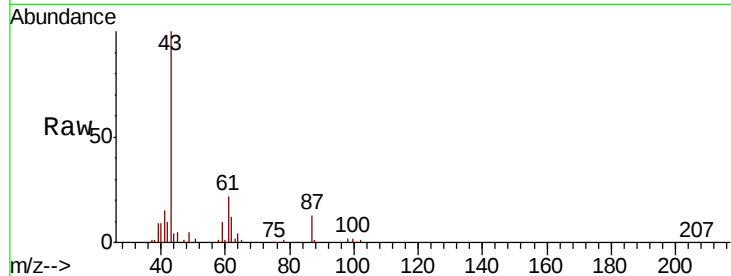
Tot Ion: 43 Resp: 102345

Ion Ratio Lower Upper

43 100

61 31.8 24.0 36.0

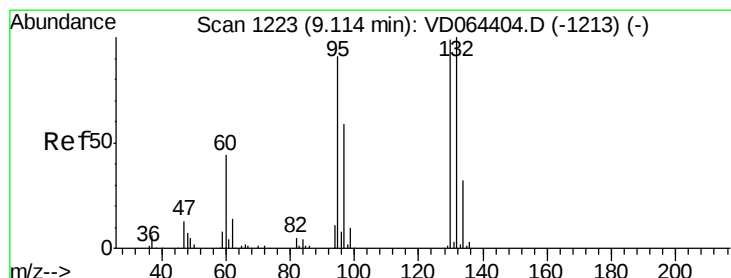
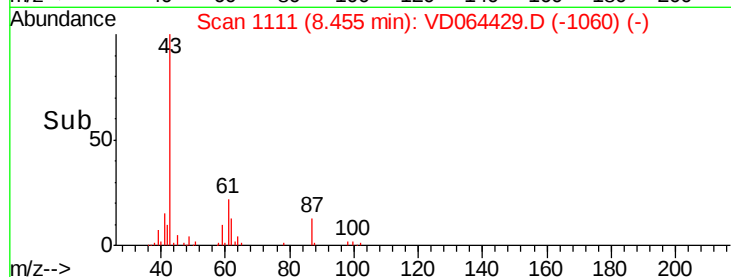
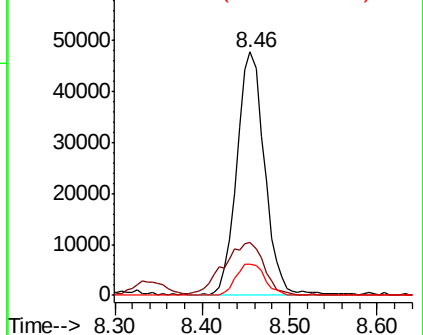
87 13.1 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.168 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064429.D

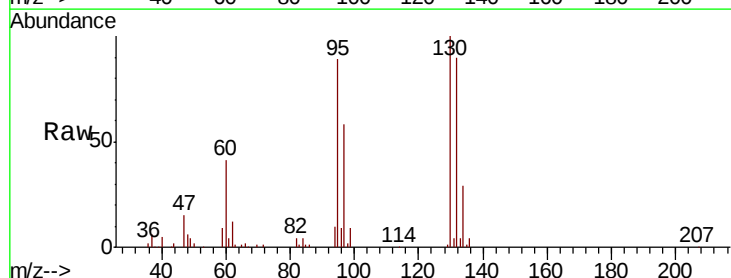
Acq: 05 Dec 2019 11:47

Tgt Ion:130 Resp: 114645

Ion Ratio Lower Upper

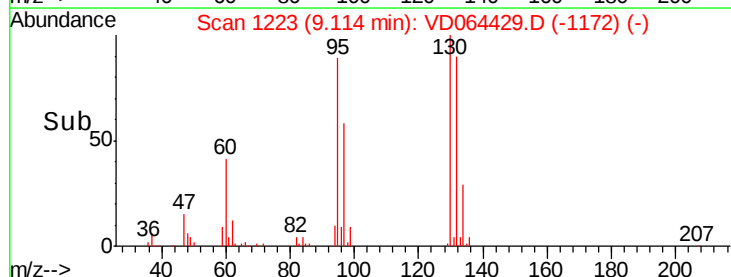
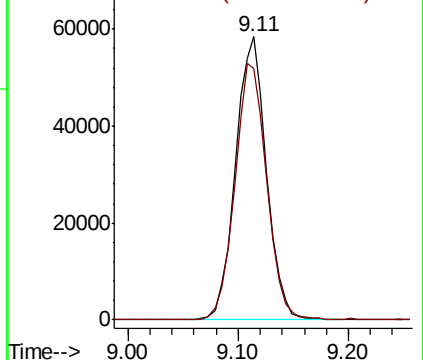
130 100

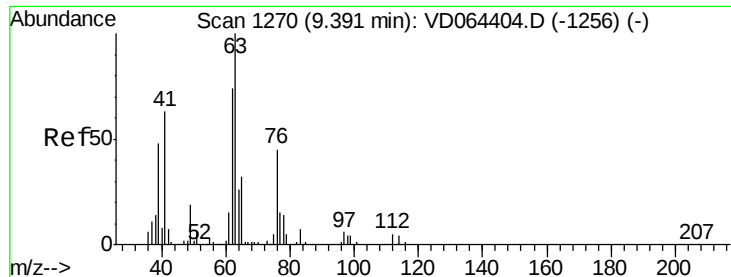
95 88.7 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

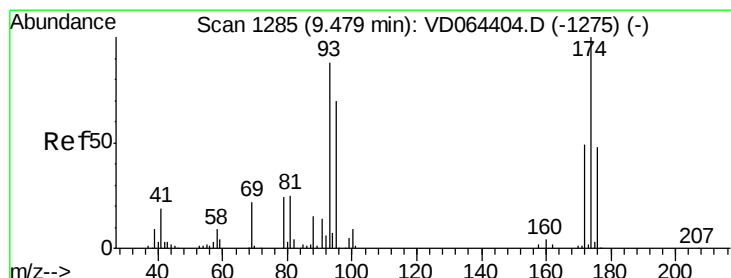
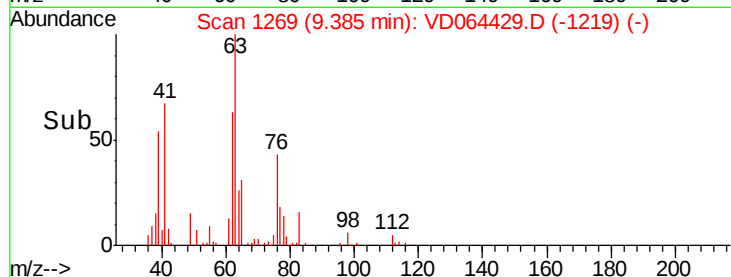
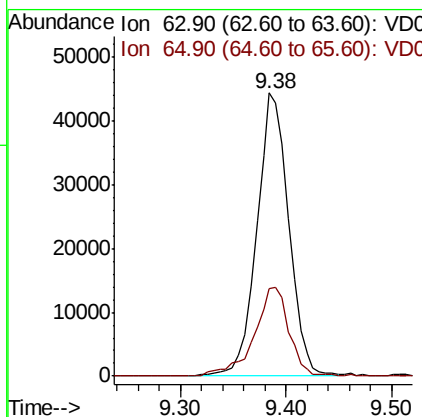
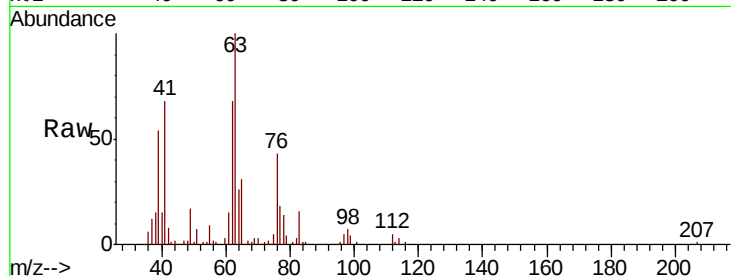




#45
 1,2-Dichloropropane
 Concen: 21.635 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

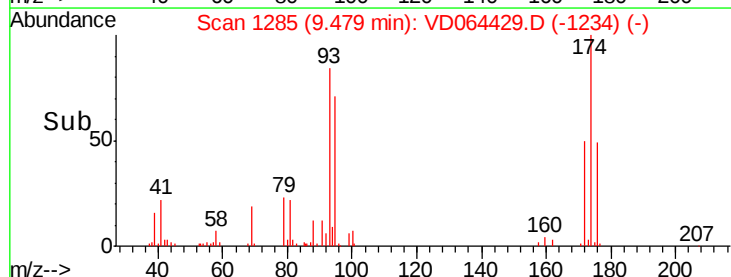
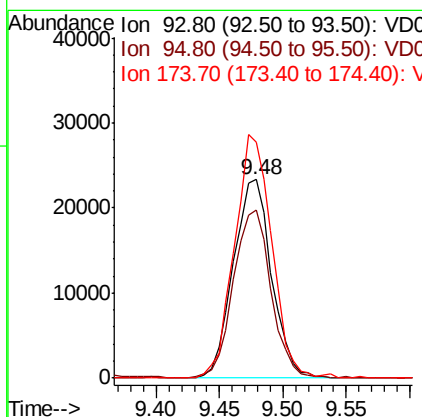
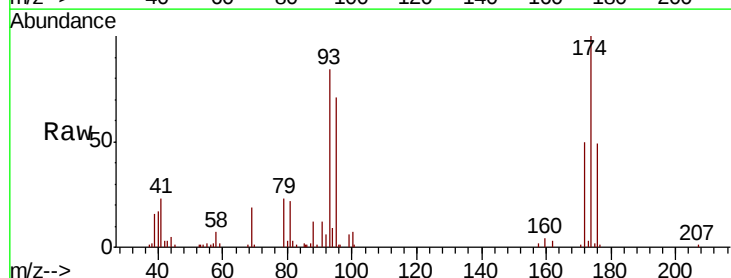
Instrument :
 MSVOA_D
 ClientSampleId :

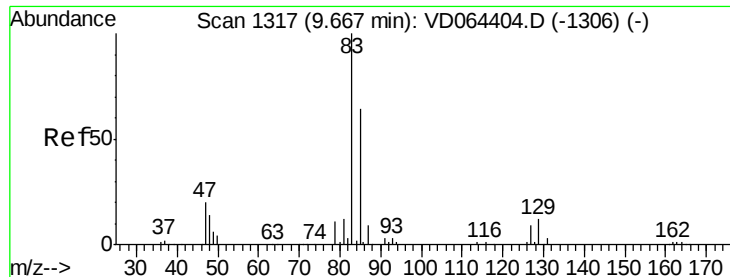
Tot Ion: 63 Resp: 93027
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.4 38.0



#46
 Dibromomethane
 Concen: 20.084 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 93 Resp: 48741
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 119.9 92.3 138.5





#47

Bromodichloromethane

Concen: 21.096 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

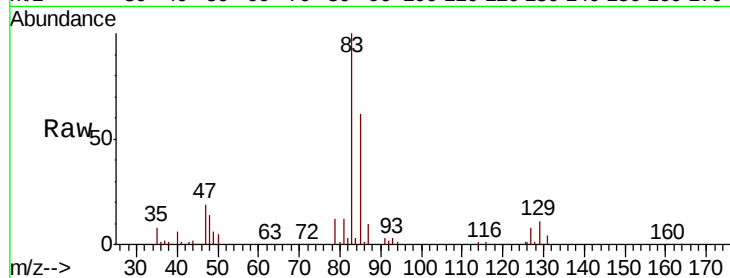
Tot Ion: 83 Resp: 131547

Ion Ratio Lower Upper

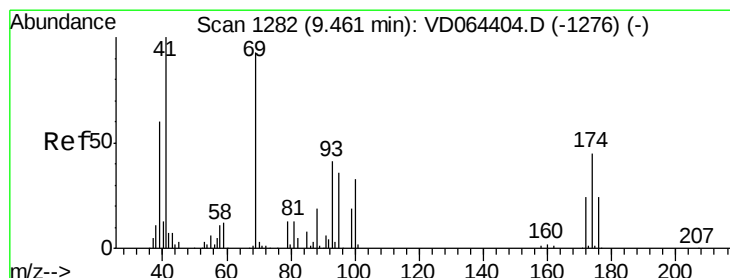
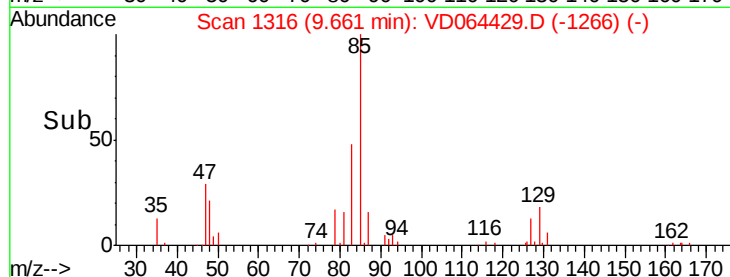
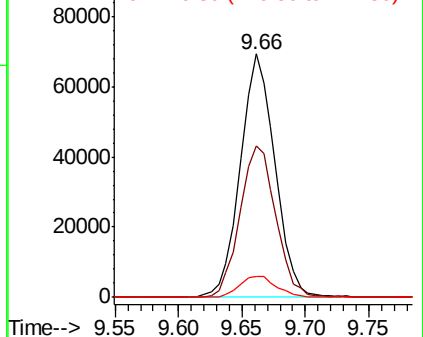
83 100

85 62.4 51.1 76.7

127 8.4 7.4 11.0



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



#48

Methyl methacrylate

Concen: 19.643 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

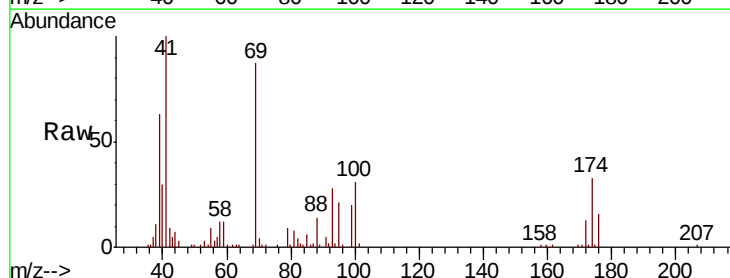
Tgt Ion: 41 Resp: 48544

Ion Ratio Lower Upper

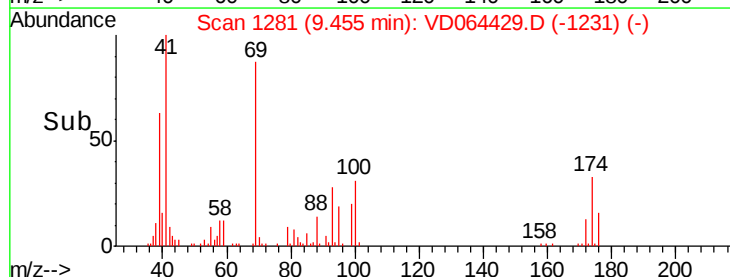
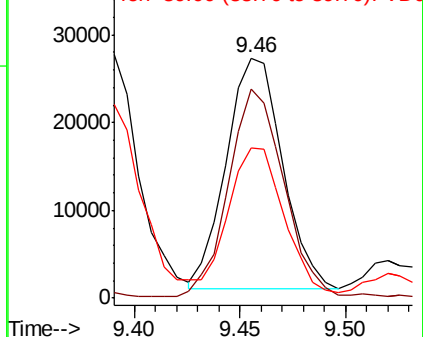
41 100

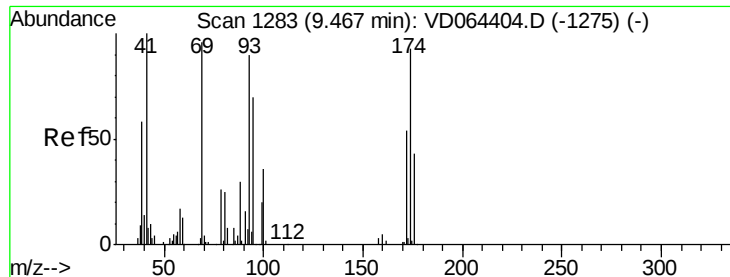
69 88.1 72.0 108.0

39 60.4 55.2 82.8



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





#49

1,4-Dioxane

Concen: 361.717 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :

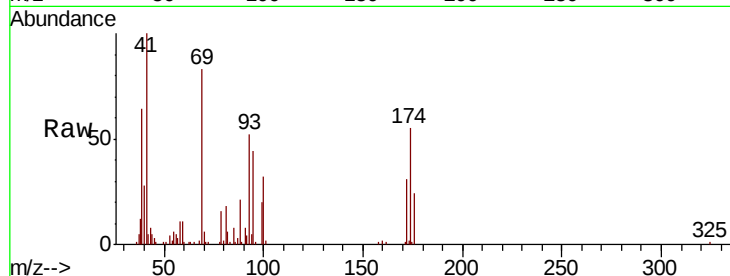
Tot Ion: 88 Resp: 10840

Ion Ratio Lower Upper

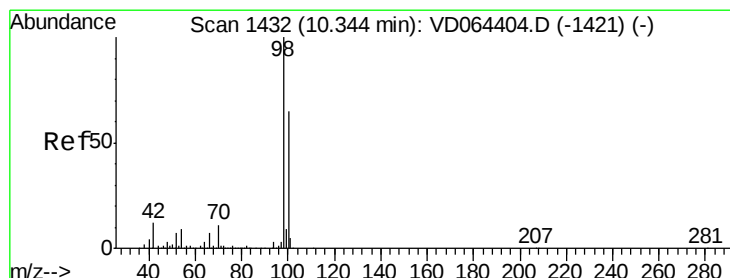
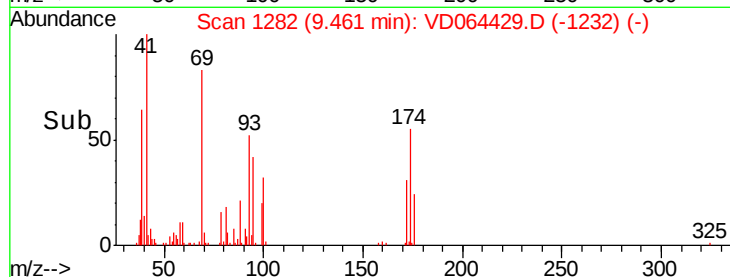
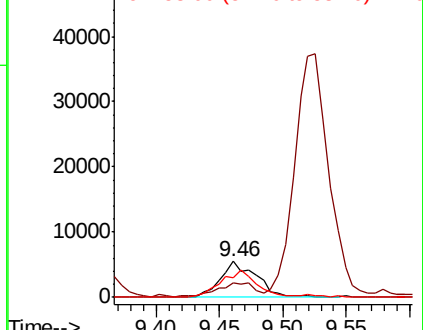
88 100

43 42.5 26.7 40.1#

58 74.2 52.3 78.5



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



#50

Toluene-d8

Concen: 50.364 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064429.D

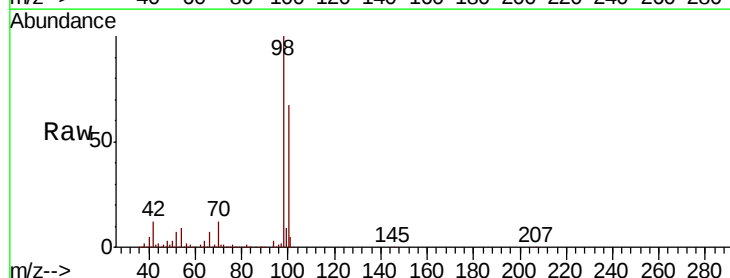
Acq: 05 Dec 2019 11:47

Tgt Ion: 98 Resp: 818056

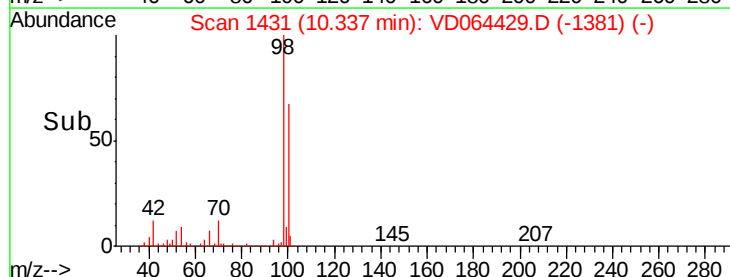
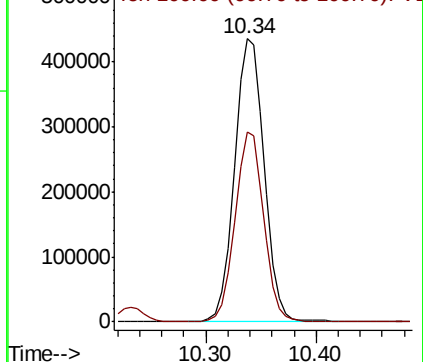
Ion Ratio Lower Upper

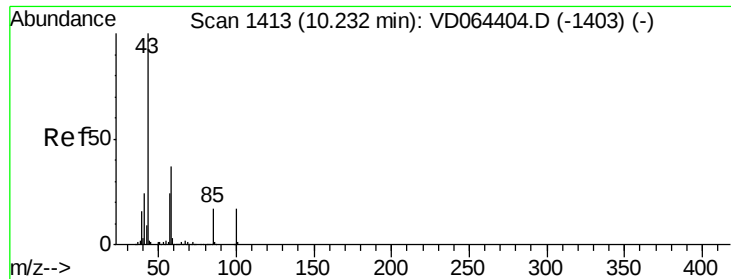
98 100

100 65.3 52.6 79.0



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

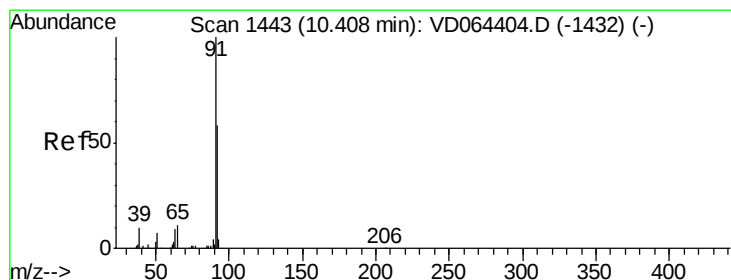
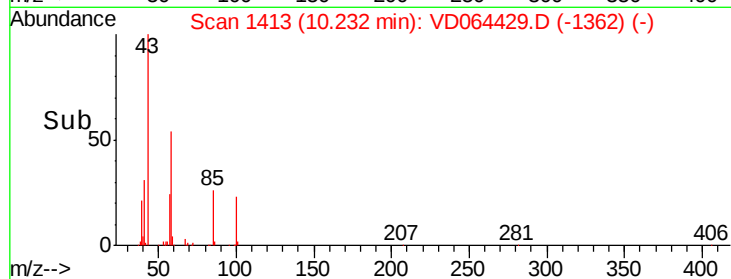
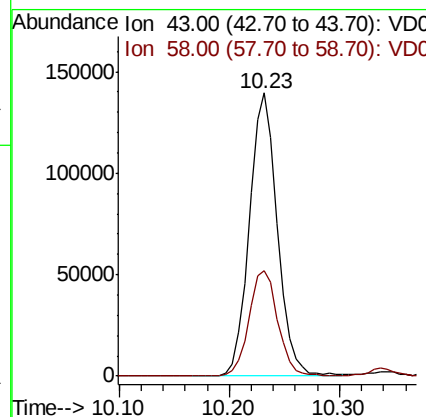
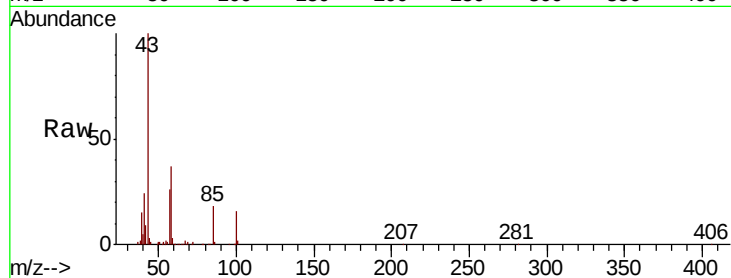




#51
 4-Methyl-2-Pentanone
 Concen: 92.955 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

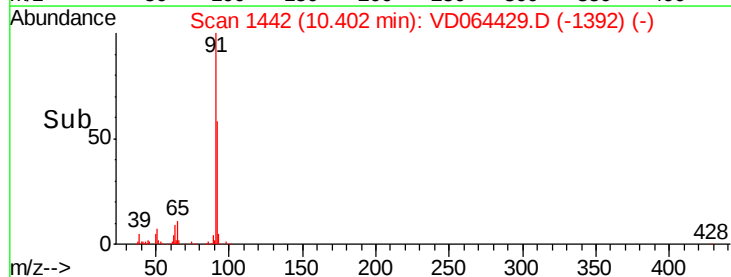
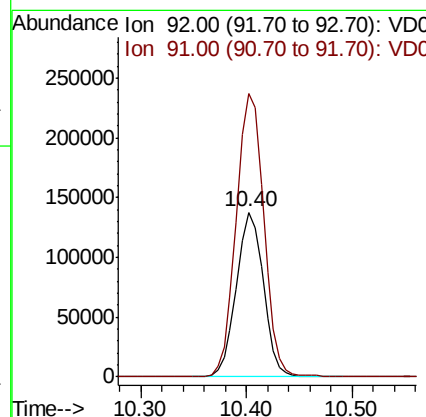
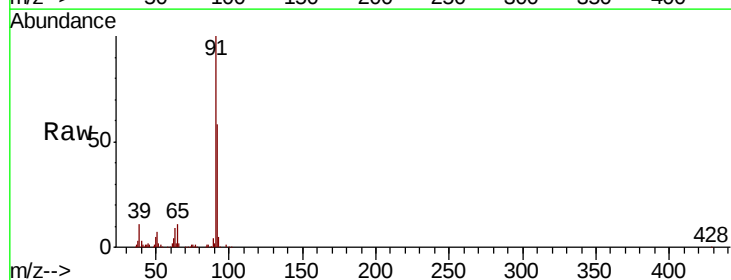
Instrument :
 MSVOA_D
 ClientSampleId :

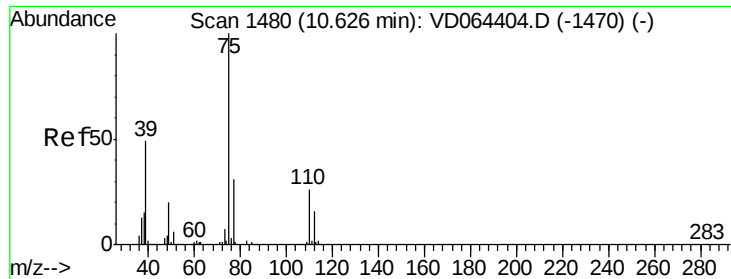
Tot Ion: 43 Resp: 248398
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0



#52
 Toluene
 Concen: 20.847 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 92 Resp: 244271
 Ion Ratio Lower Upper
 92 100
 91 175.5 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 20.313 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

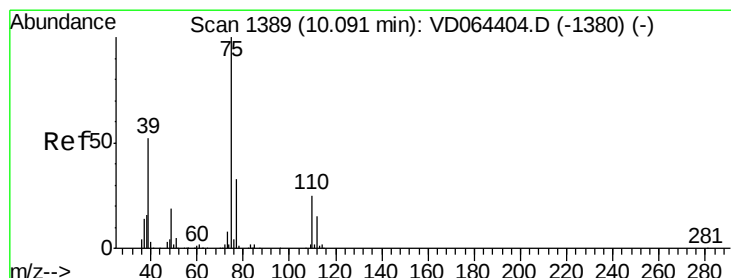
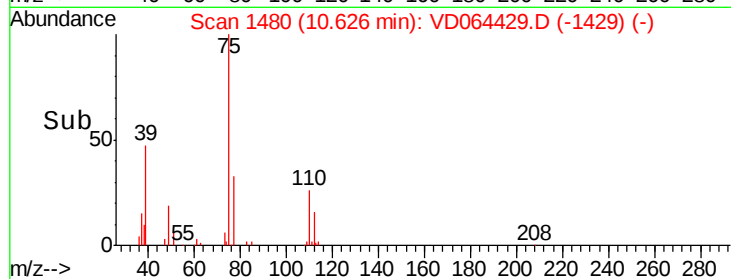
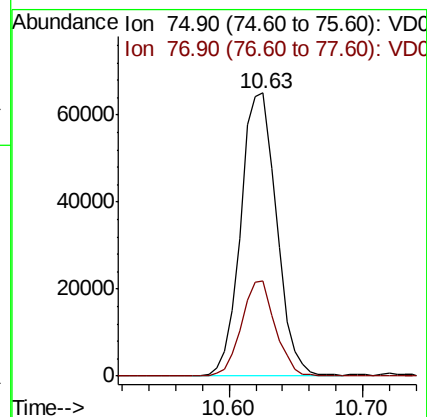
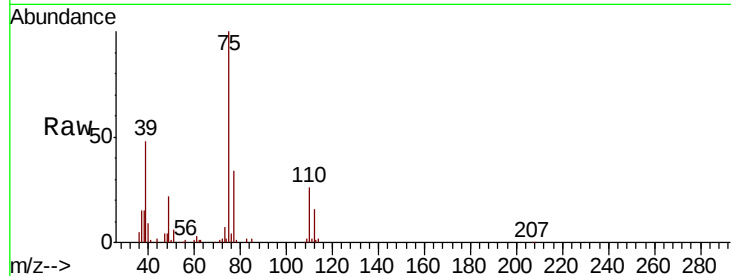
ClientSampleId :

Tot Ion: 75 Resp: 120716

Ion Ratio Lower Upper

75 100

77 33.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.282 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

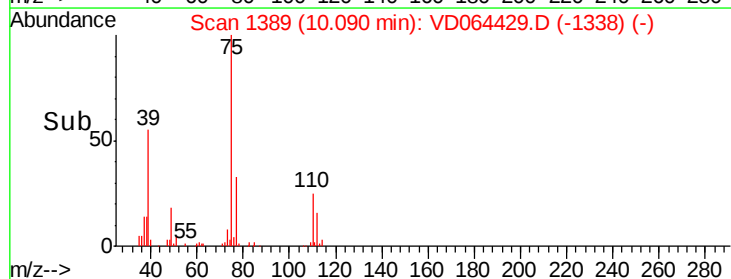
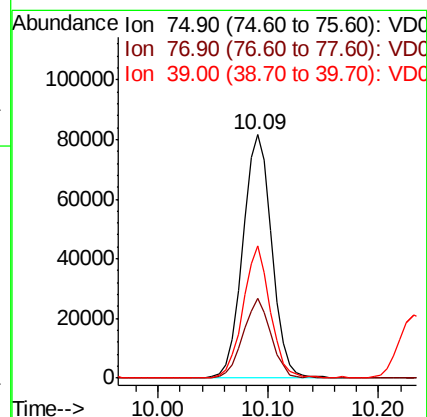
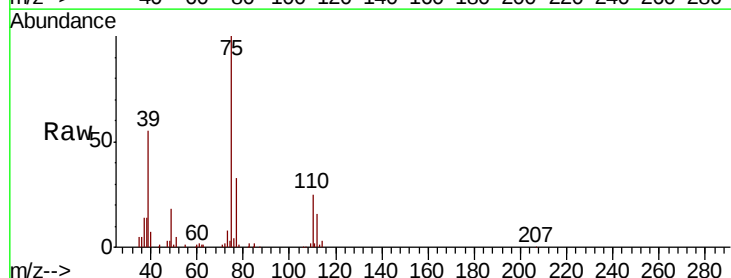
Tgt Ion: 75 Resp: 150250

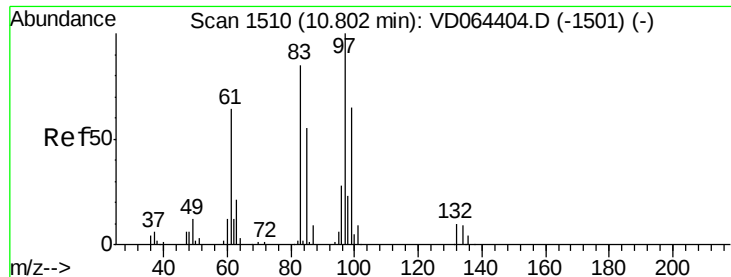
Ion Ratio Lower Upper

75 100

77 32.9 26.1 39.1

39 54.2 41.5 62.3

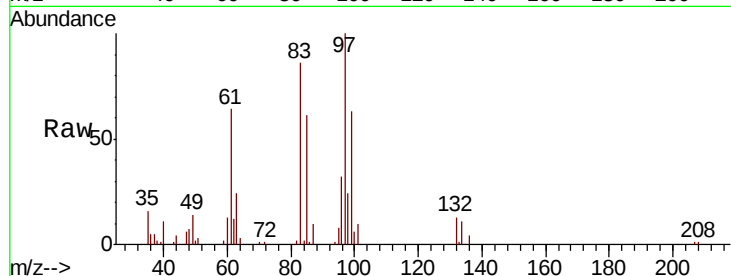




#55
 1,1,2-Trichloroethane
 Concen: 19.606 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	65151
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.8	101.8
85	60.9	43.7	65.5
99	62.6	51.7	77.5



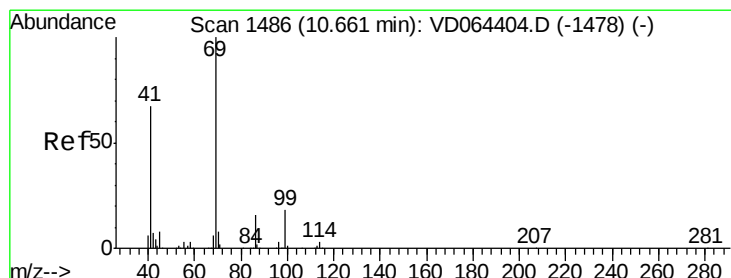
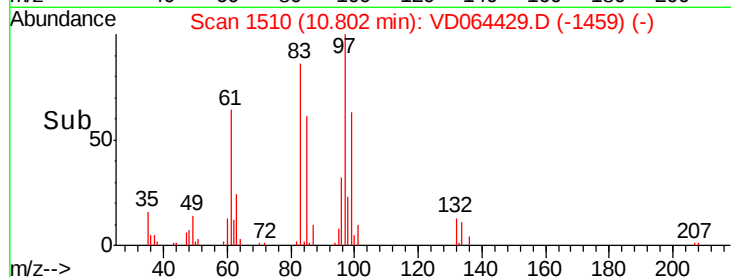
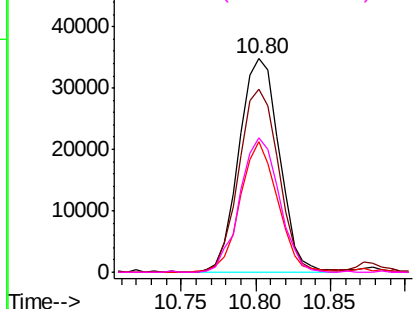
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

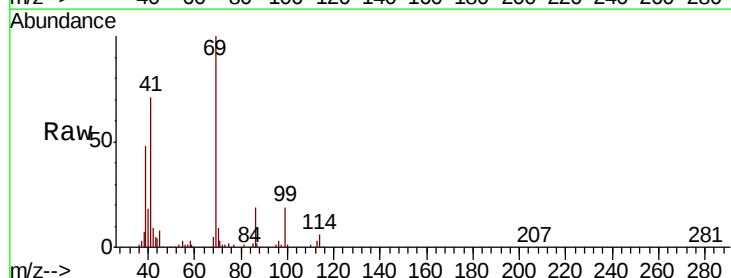
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 18.757 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion:	69	Resp:	79497
Ion	Ratio	Lower	Upper
69	100		
41	73.5	55.0	82.4
39	44.9	33.0	49.6

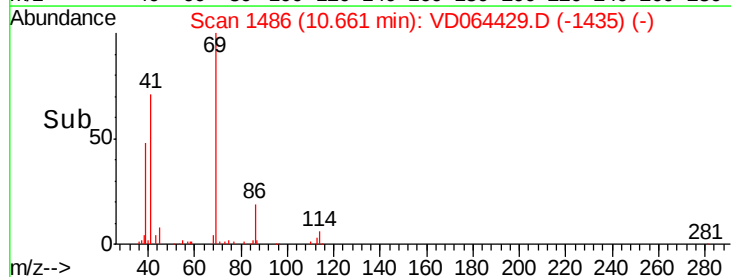
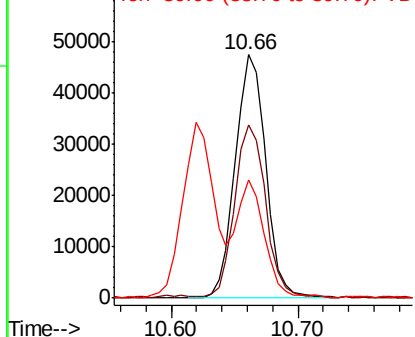


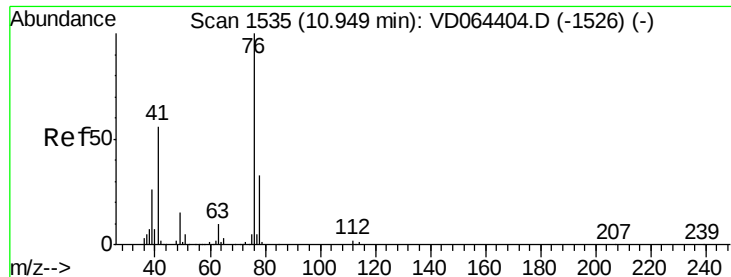
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.972 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

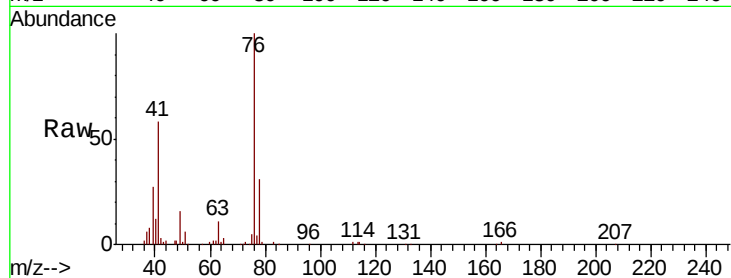
ClientSampleId :

Tot Ion: 76 Resp: 112976

Ion Ratio Lower Upper

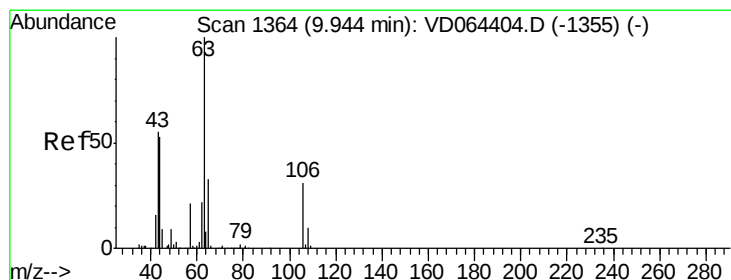
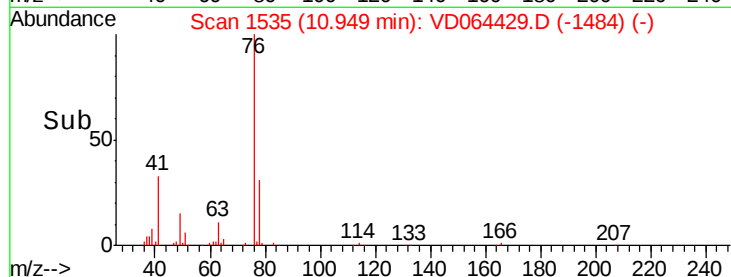
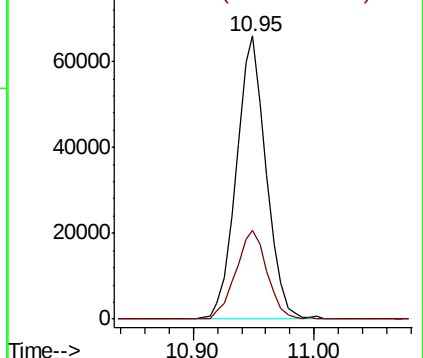
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.537 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064429.D

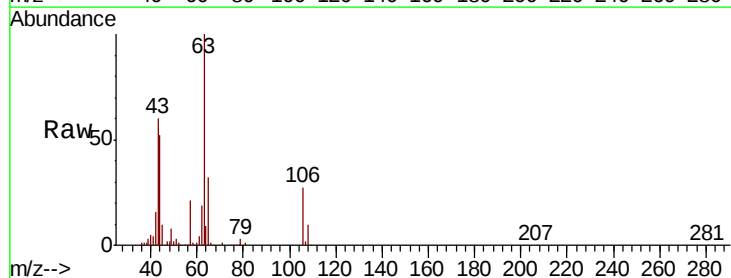
Acq: 05 Dec 2019 11:47

Tgt Ion: 63 Resp: 176623

Ion Ratio Lower Upper

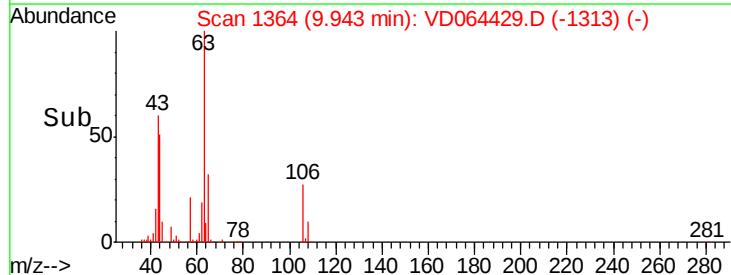
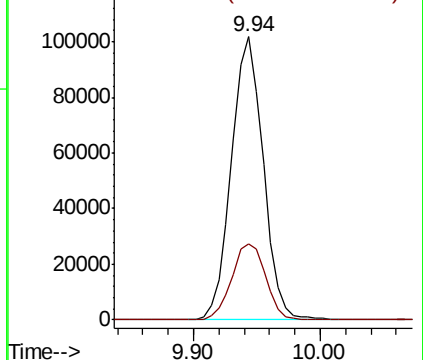
63 100

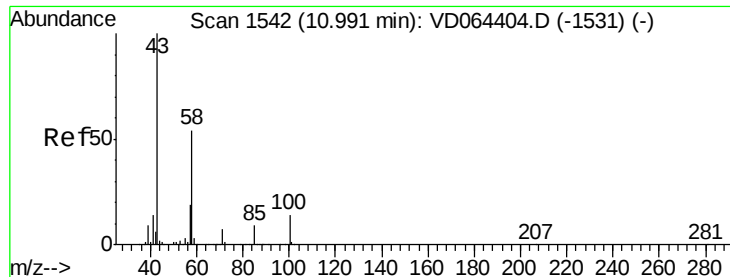
106 28.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

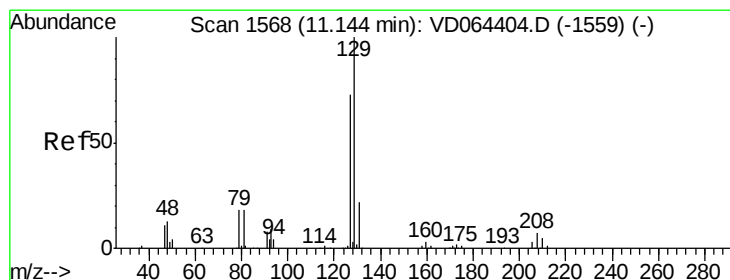
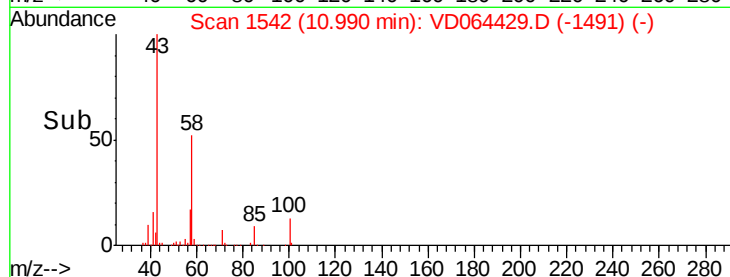
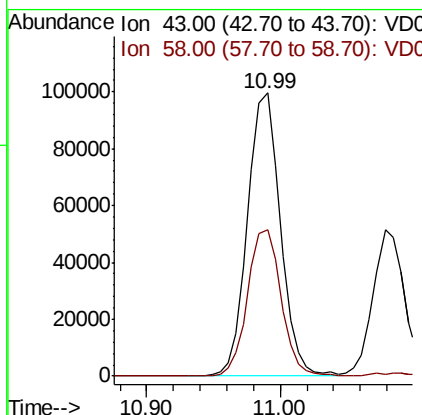
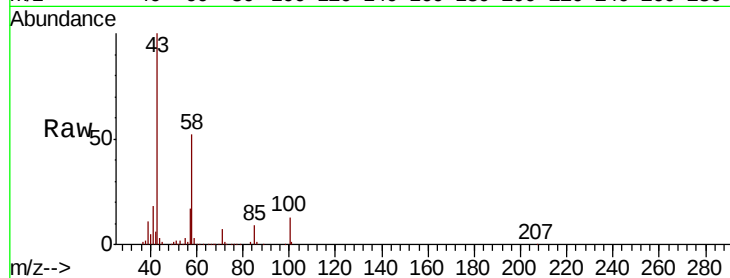




#59
2-Hexanone
Concen: 90.777 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

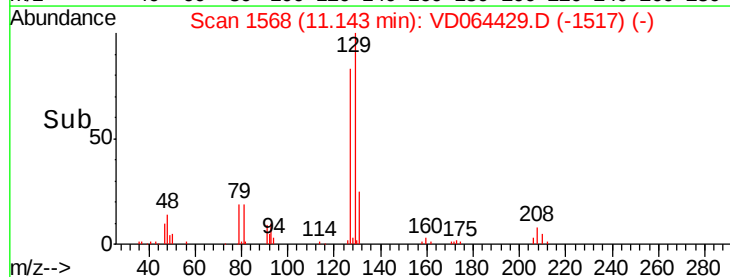
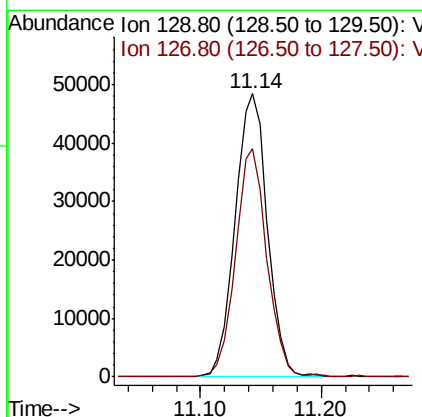
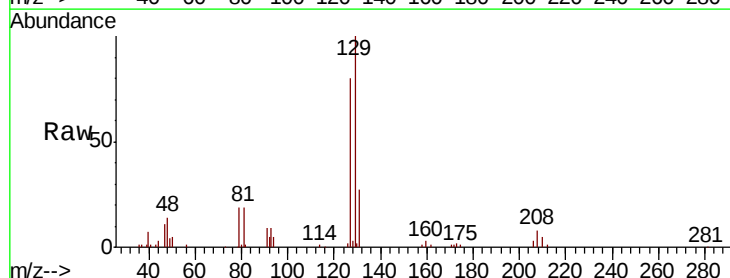
Instrument :
MSVOA_D
ClientSampleId :

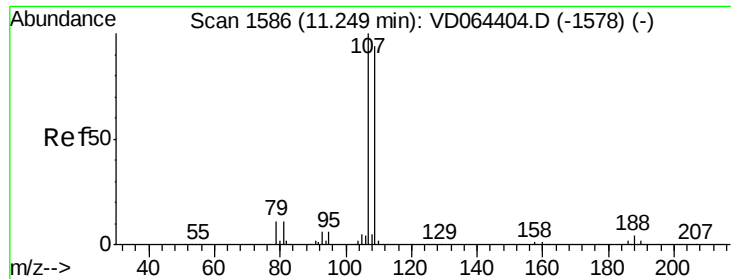
Tot Ion: 43 Resp: 168322
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 20.028 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 129 Resp: 90237
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3

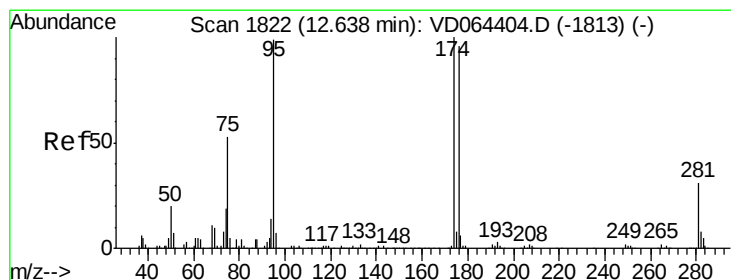
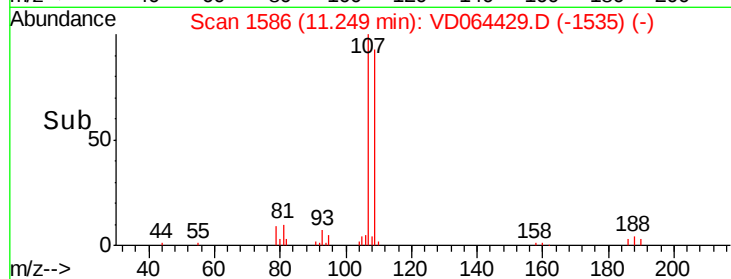
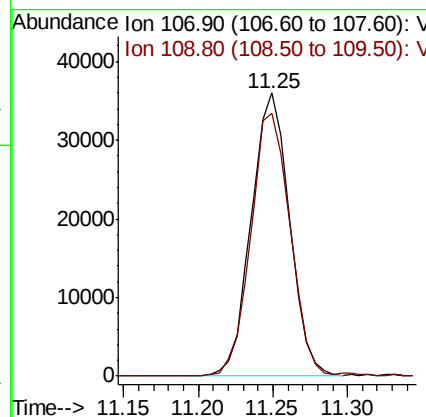
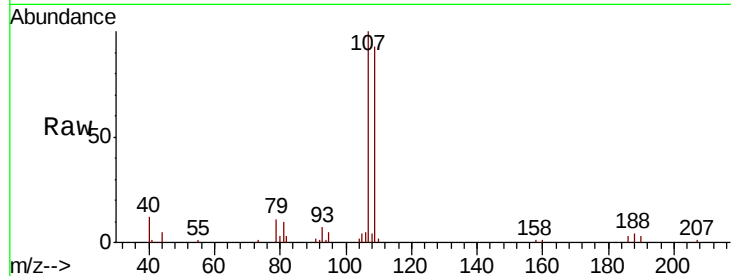




#61
 1,2-Dibromoethane
 Concen: 19.189 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

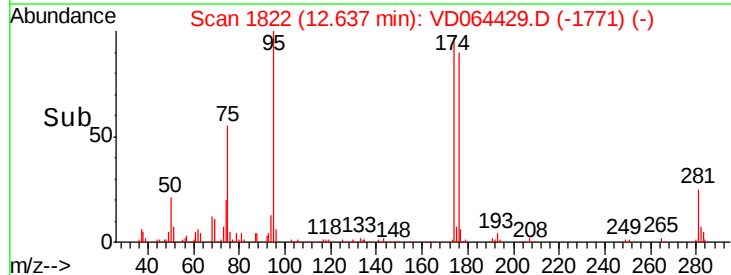
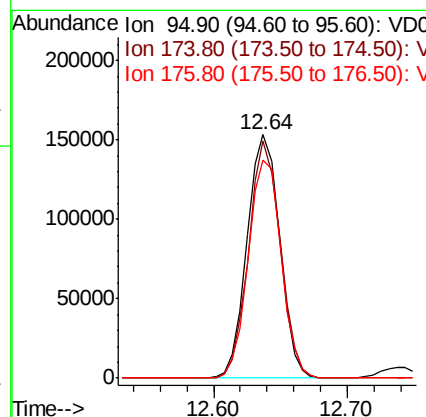
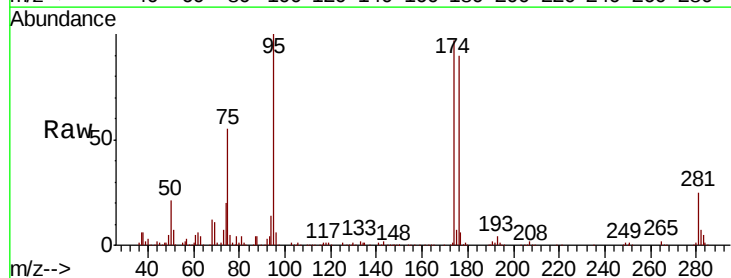
Instrument :
 MSVOA_D
 ClientSampleId :

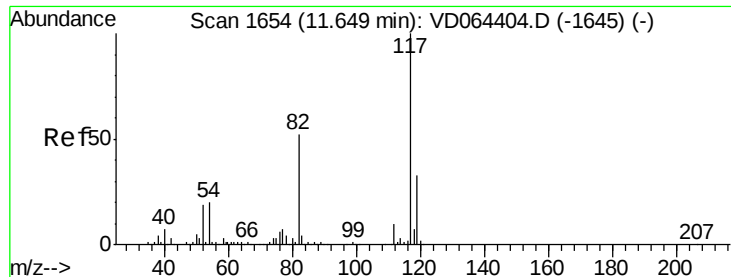
Tot Ion:107 Resp: 63667
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 49.468 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 95 Resp: 258224
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 197.2
 176 90.5 0.0 189.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

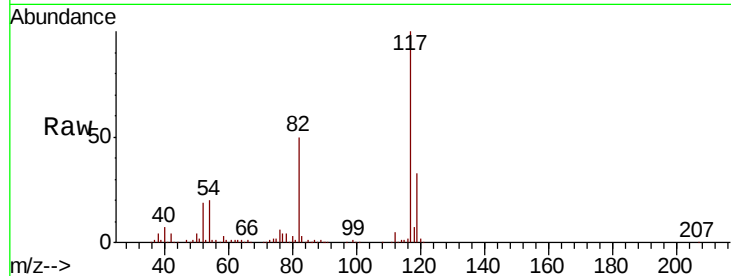
Tot Ion:117 Resp: 601410

Ion Ratio Lower Upper

117 100

82 50.3 41.4 62.2

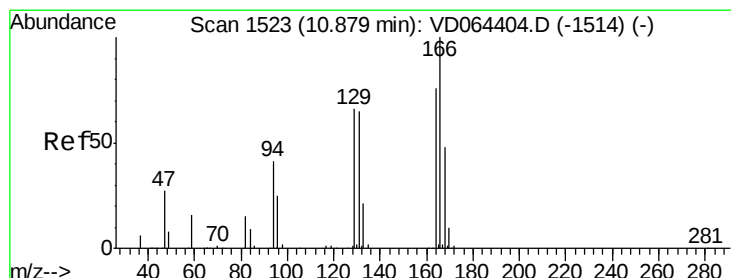
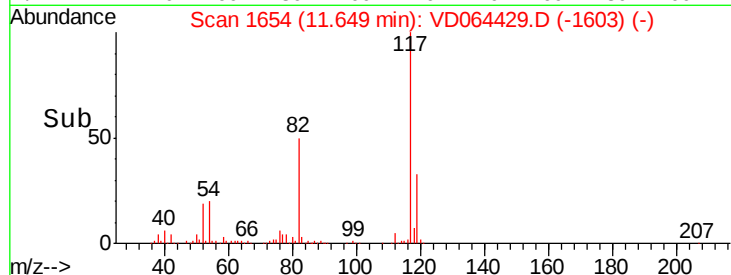
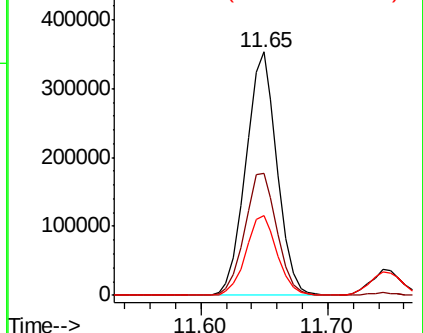
119 32.7 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.198 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:164 Resp: 97217

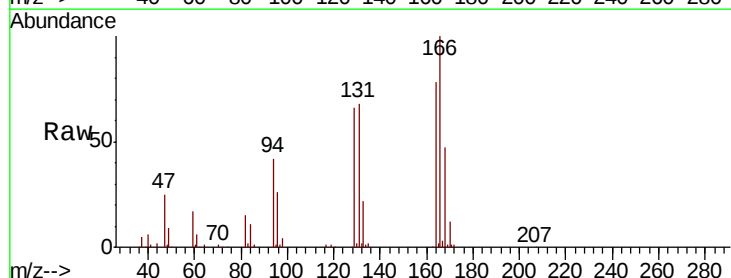
Ion Ratio Lower Upper

164 100

166 128.2 104.8 157.2

129 85.1 68.7 103.1

131 87.3 67.9 101.9

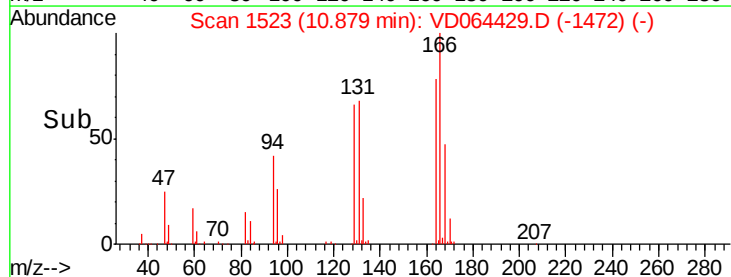
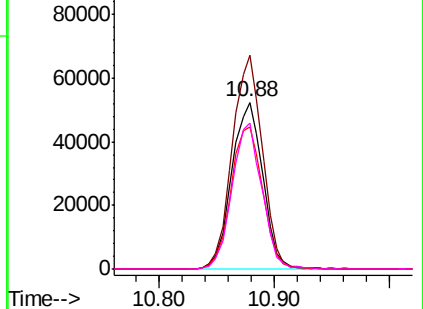


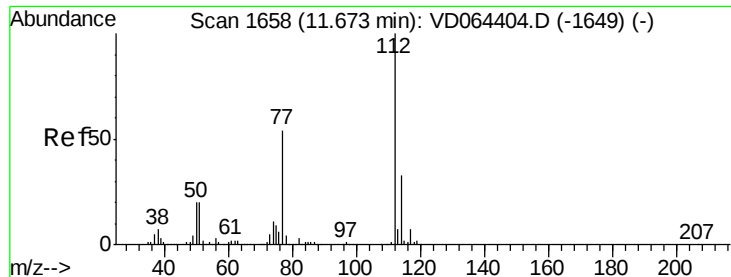
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.706 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

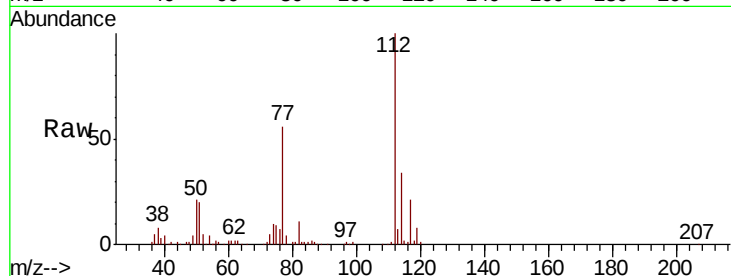
ClientSampleId :

Tot Ion:112 Resp: 259721

Ion Ratio Lower Upper

112 100

114 34.0 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

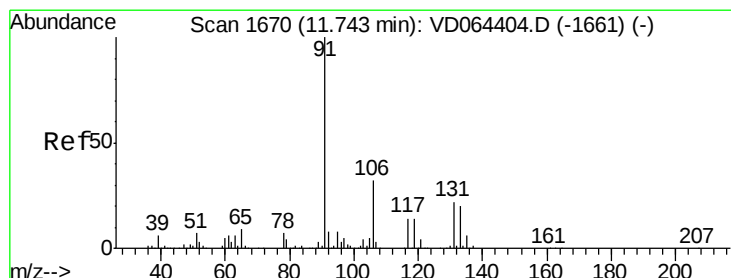
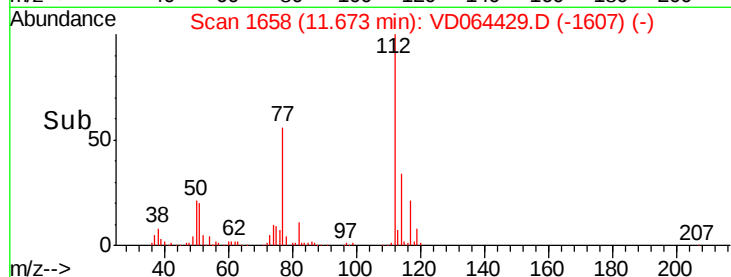
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.360 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

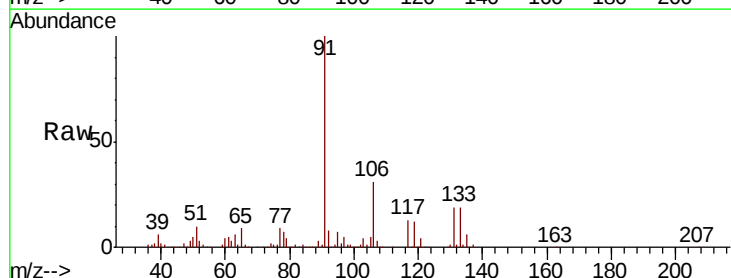
Tgt Ion:131 Resp: 94542

Ion Ratio Lower Upper

131 100

133 98.3 48.3 144.9

119 65.7 31.9 95.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

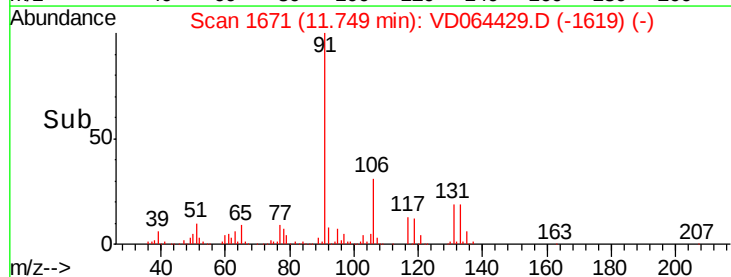
150000

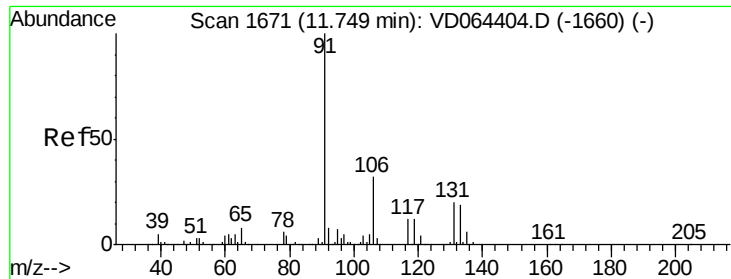
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.964 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

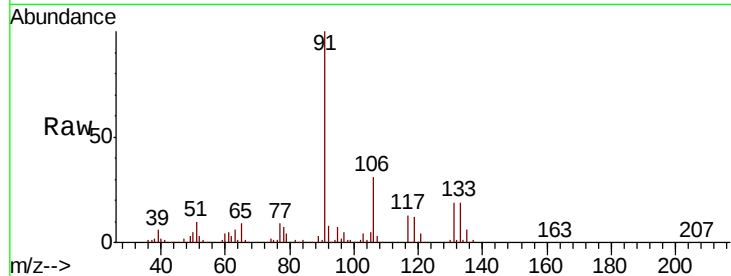
ClientSampled :

Tot Ion: 91 Resp: 467869

Ion Ratio Lower Upper

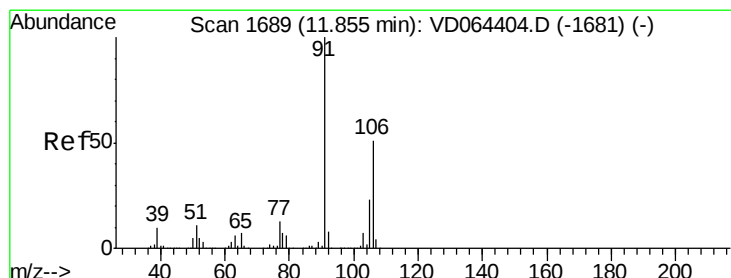
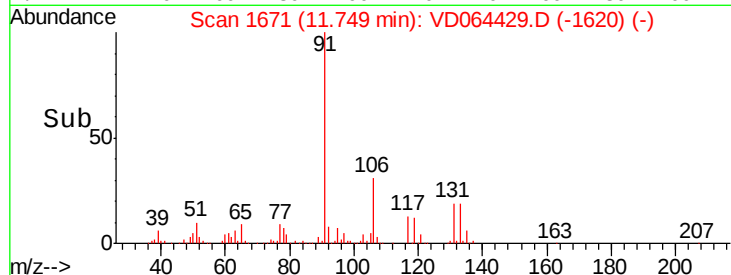
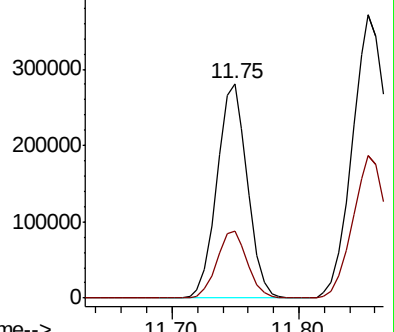
91 100

106 31.4 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.816 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064429.D

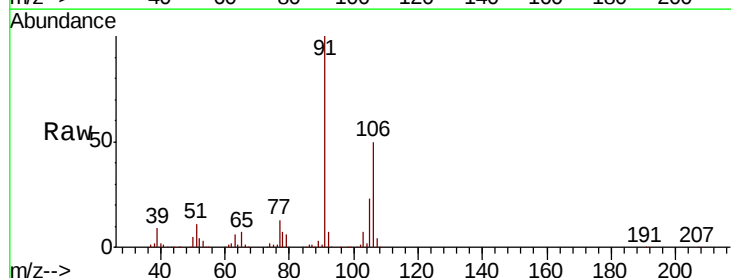
Acq: 05 Dec 2019 11:47

Tgt Ion: 106 Resp: 355836

Ion Ratio Lower Upper

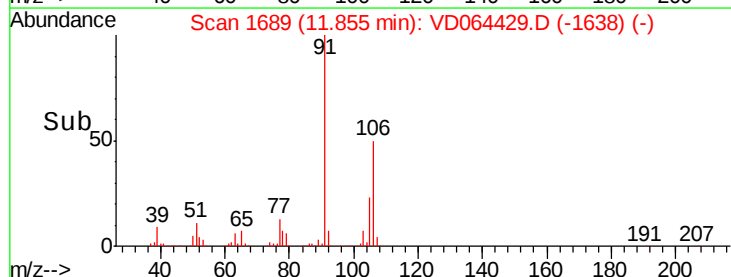
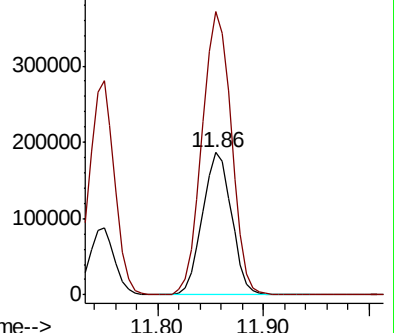
106 100

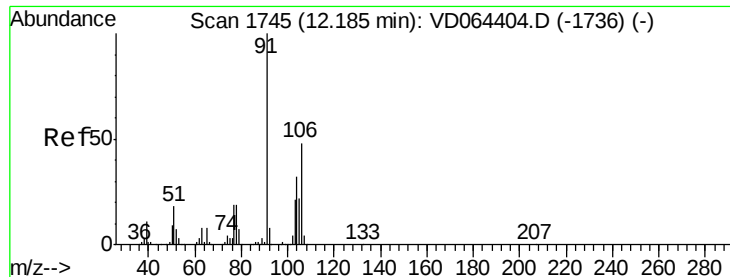
91 200.2 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

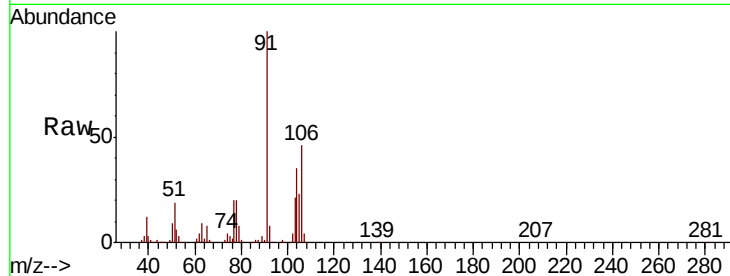




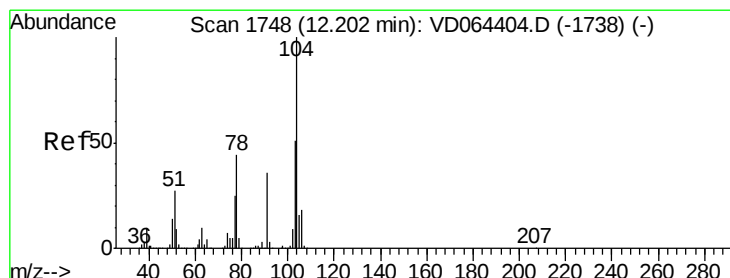
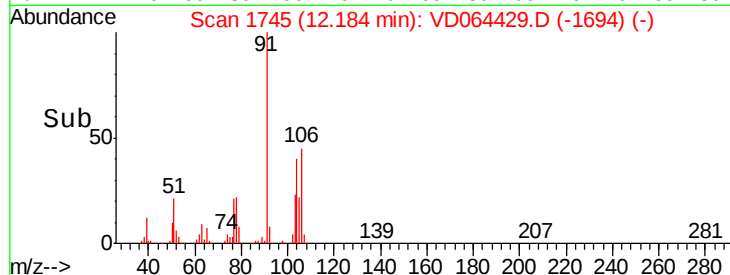
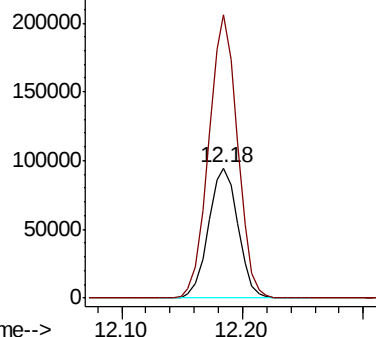
#69
o-Xylene
Concen: 20.590 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 161821
Ion Ratio Lower Upper
106 100
91 211.4 103.8 311.4

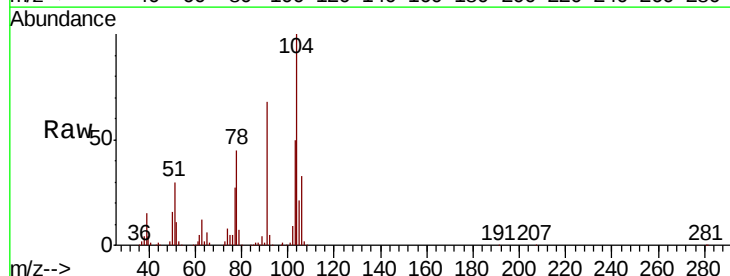


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

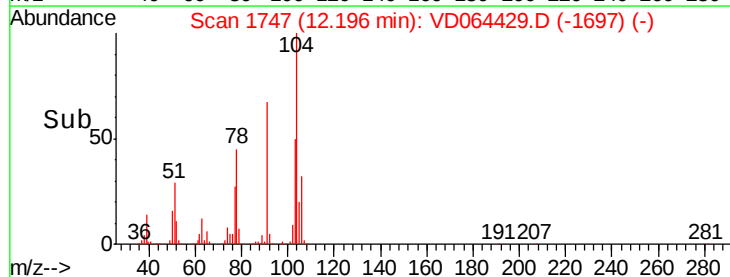
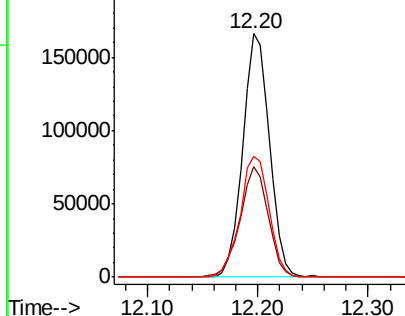


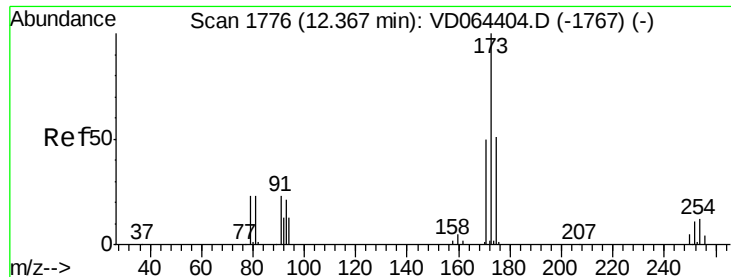
#70
Styrene
Concen: 20.719 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion:104 Resp: 282954
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 54.1 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.293 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

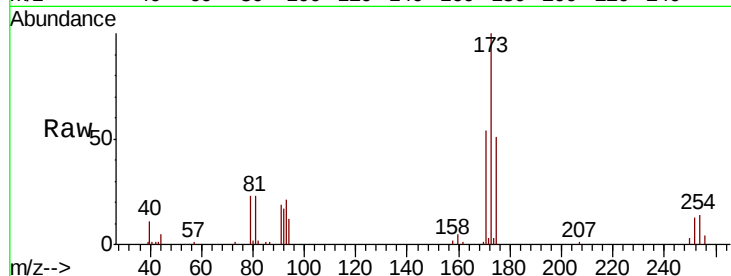
Tot Ion:173 Resp: 53598

Ion Ratio Lower Upper

173 100

175 50.1 25.3 75.8

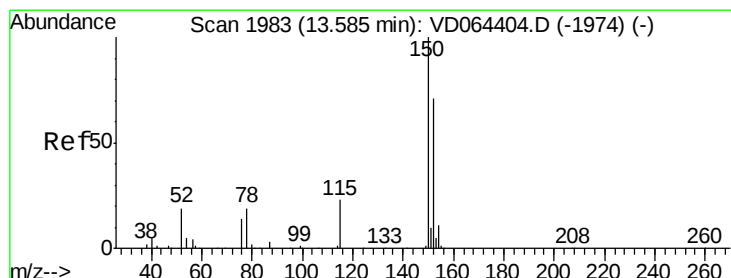
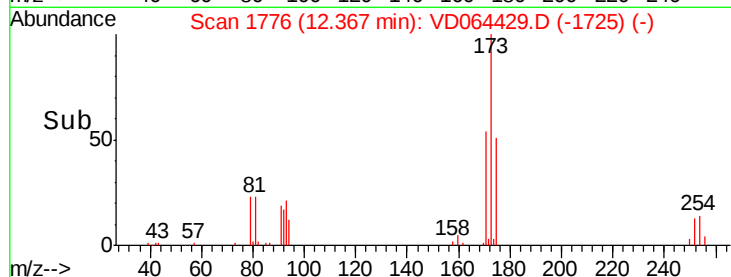
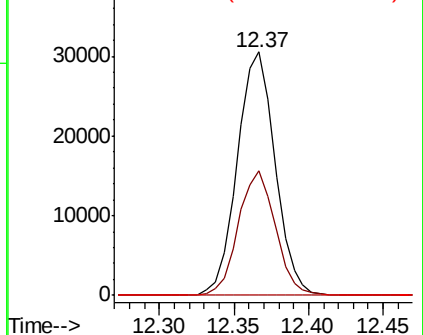
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

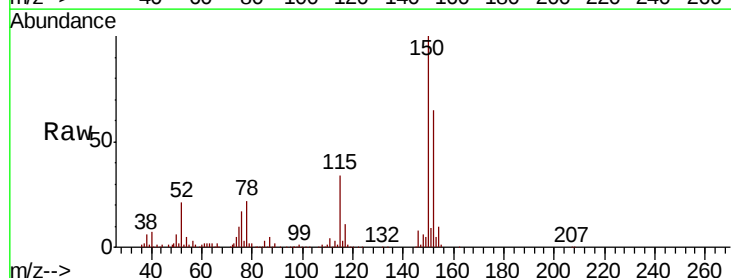
Tgt Ion:152 Resp: 294285

Ion Ratio Lower Upper

152 100

115 54.1 26.7 80.1

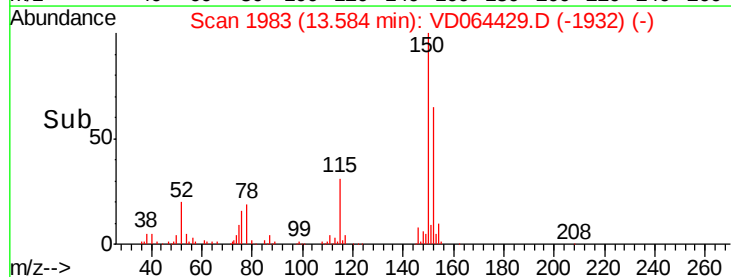
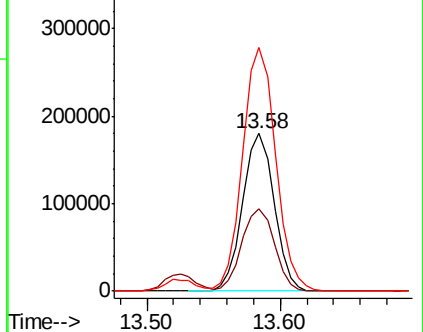
150 161.7 0.0 347.2

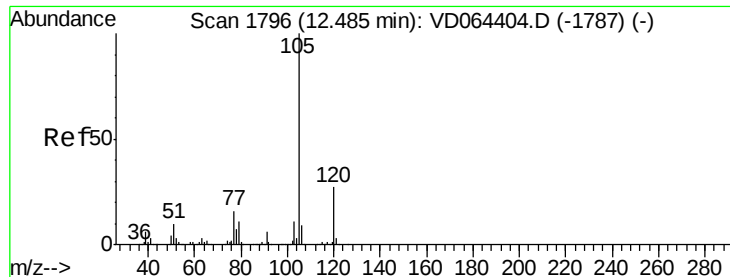


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.873 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

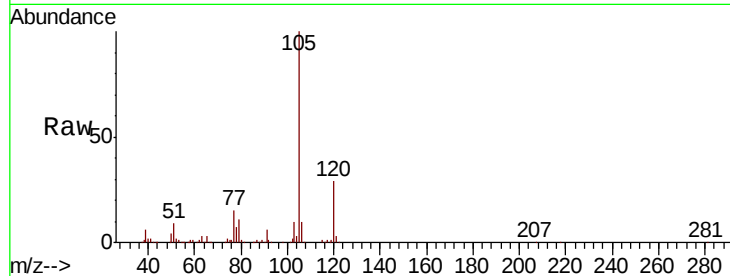
ClientSampleId :

Tot Ion:105 Resp: 441790

Ion Ratio Lower Upper

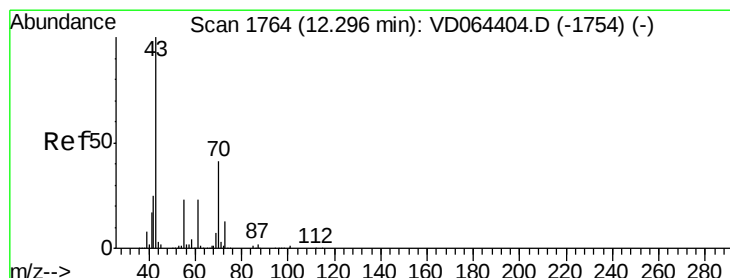
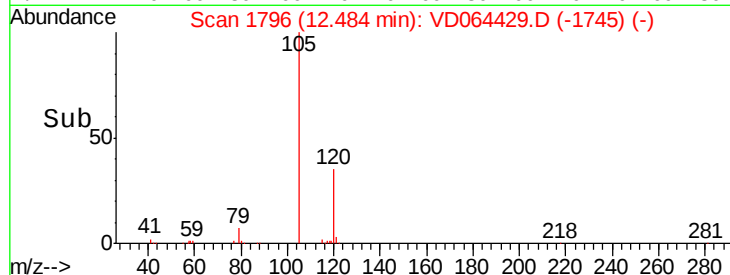
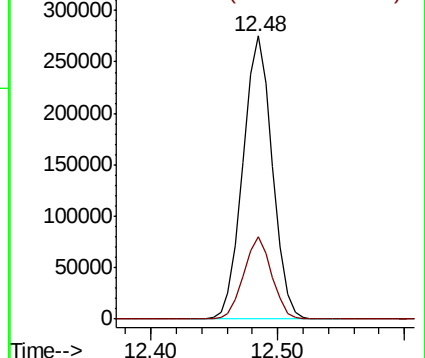
105 100

120 28.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.542 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion: 43 Resp: 89072

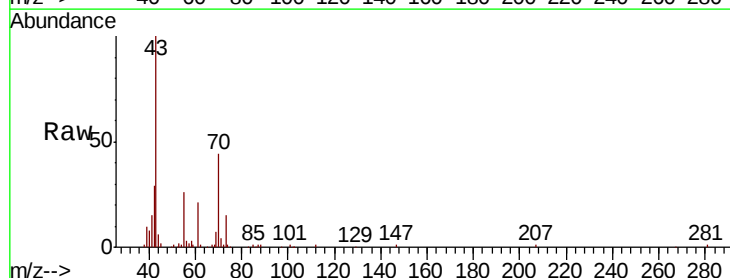
Ion Ratio Lower Upper

43 100

70 43.2 33.4 50.2

55 25.3 18.9 28.3

61 23.1 18.5 27.7

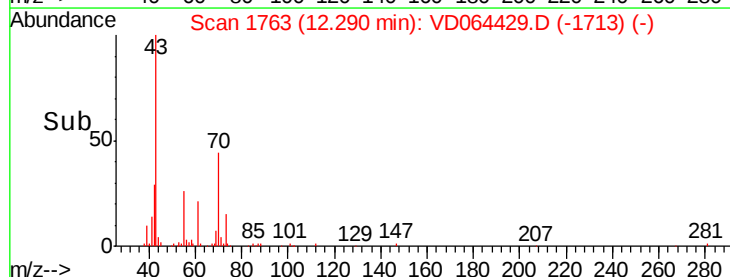
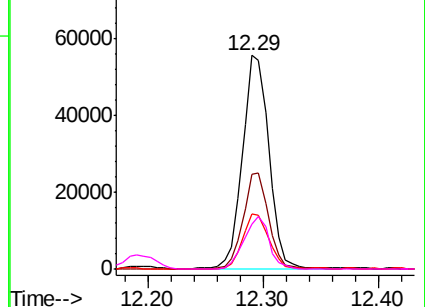


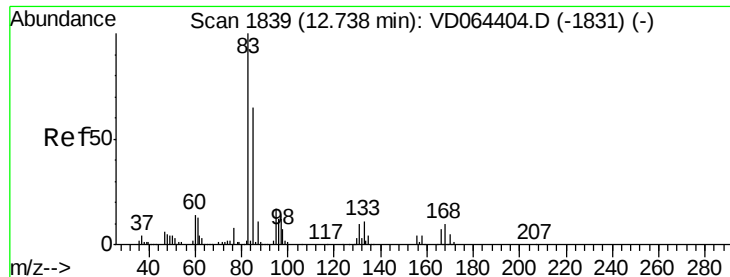
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.362 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

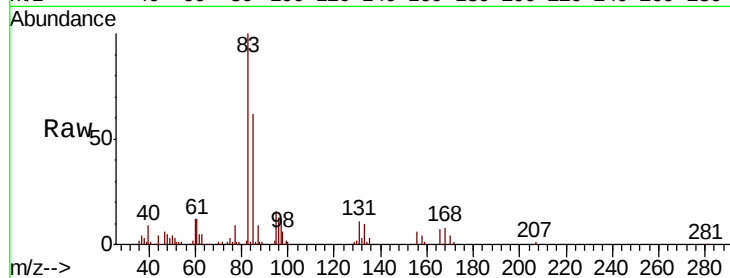
Tot Ion: 83 Resp: 67767

Ion Ratio Lower Upper

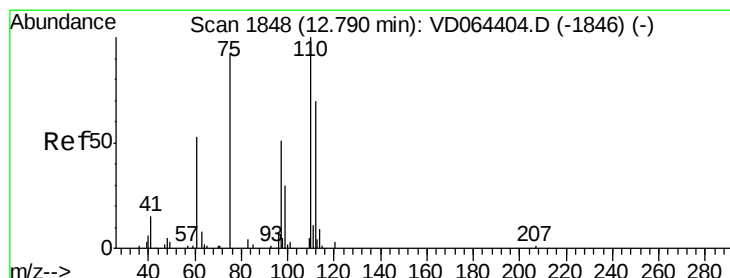
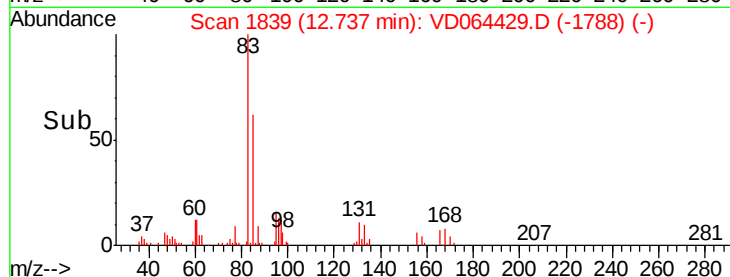
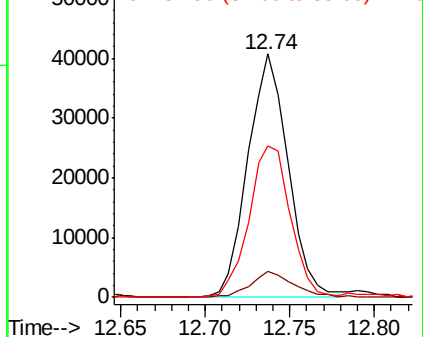
83 100

131 11.4 5.7 17.0

85 63.8 31.3 93.9



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



#76

1,2,3-Trichloropropane

Concen: 36.641 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064429.D

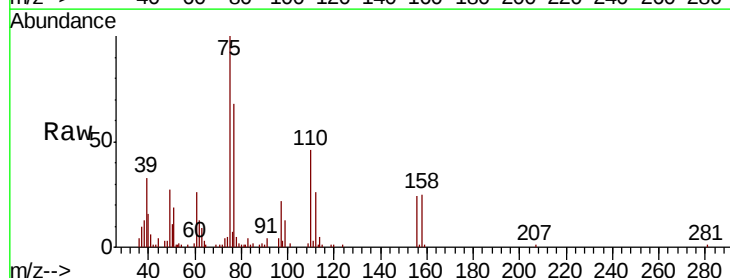
Acq: 05 Dec 2019 11:47

Tgt Ion: 75 Resp: 88676

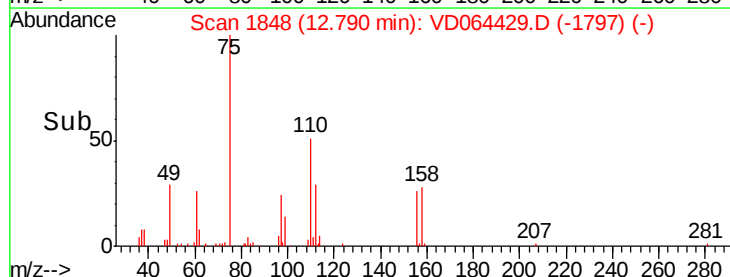
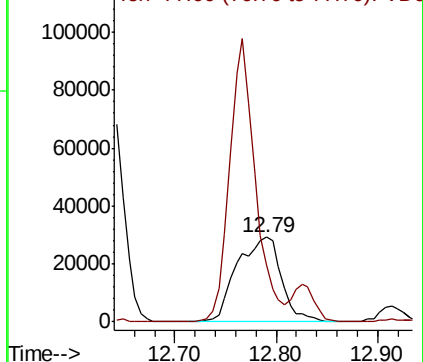
Ion Ratio Lower Upper

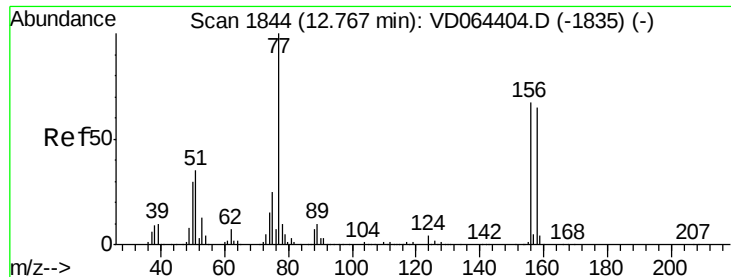
75 100

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: 21.272 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

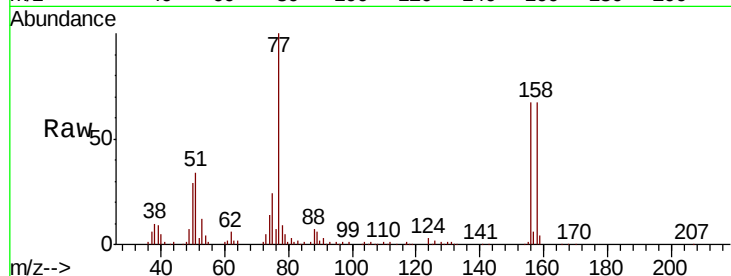
Tot Ion:156 Resp: 111181

Ion Ratio Lower Upper

156 100

77 155.7 80.0 240.2

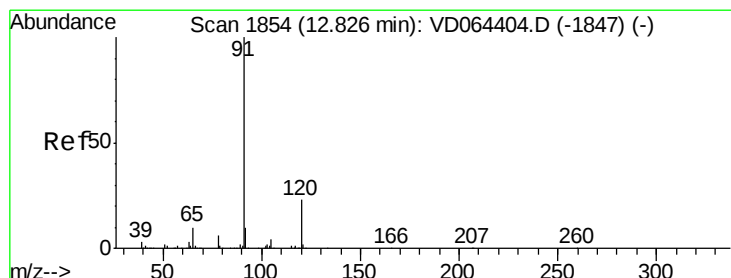
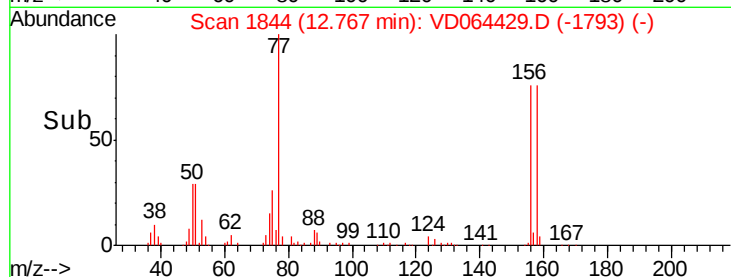
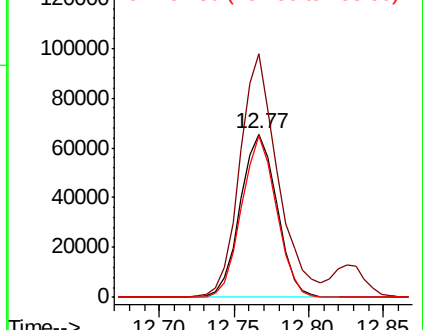
158 94.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.059 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064429.D

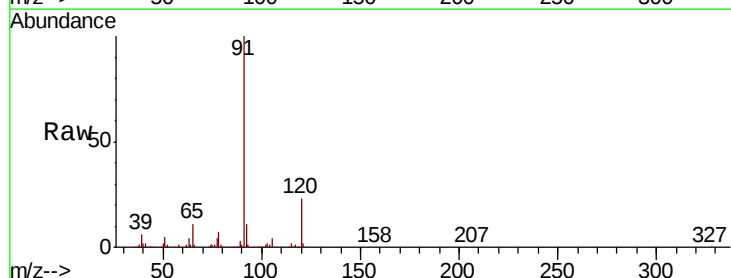
Acq: 05 Dec 2019 11:47

Tgt Ion: 91 Resp: 514271

Ion Ratio Lower Upper

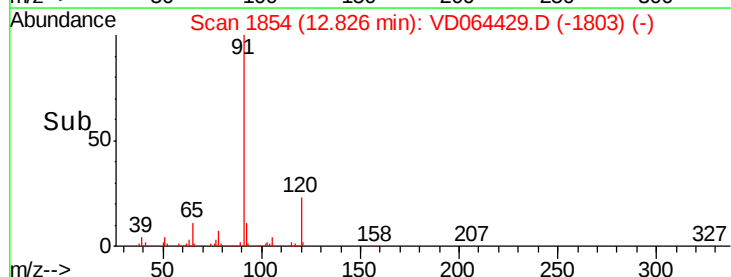
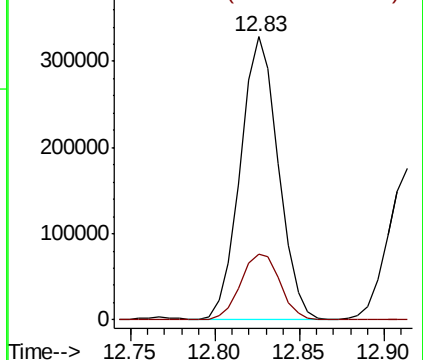
91 100

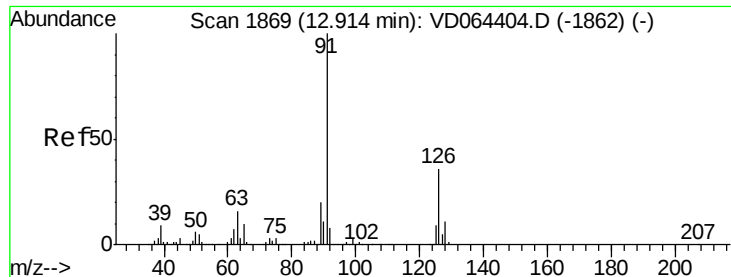
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

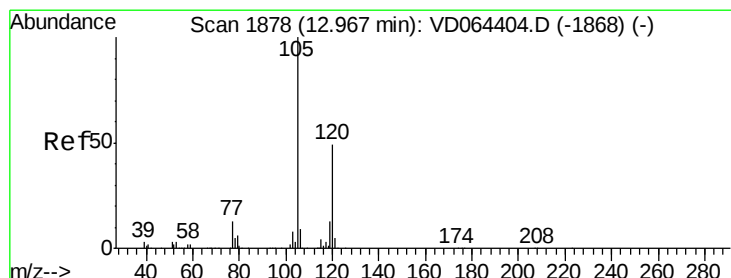
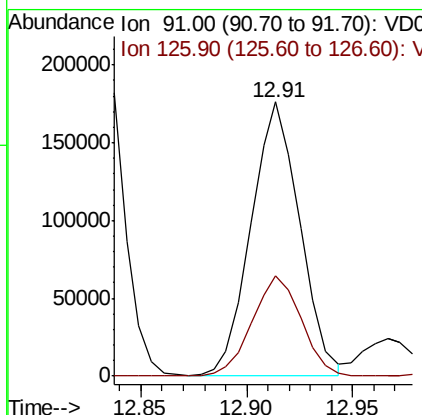
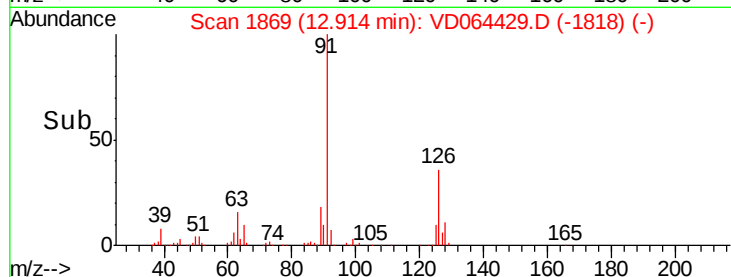
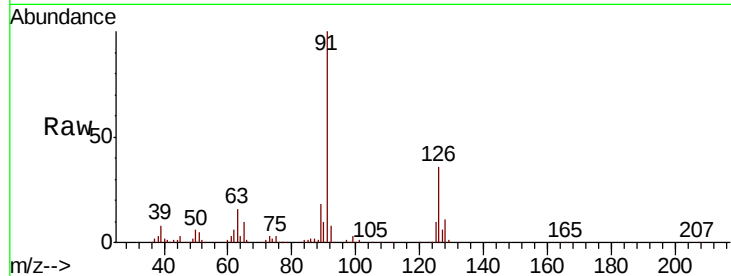




#79
2-Chlorotoluene
Concen: 21.022 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

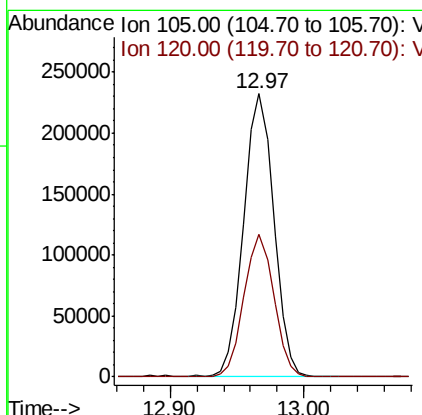
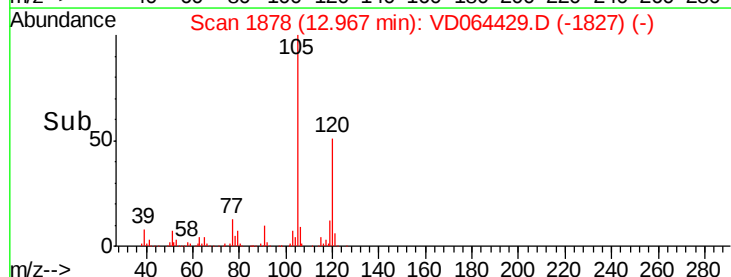
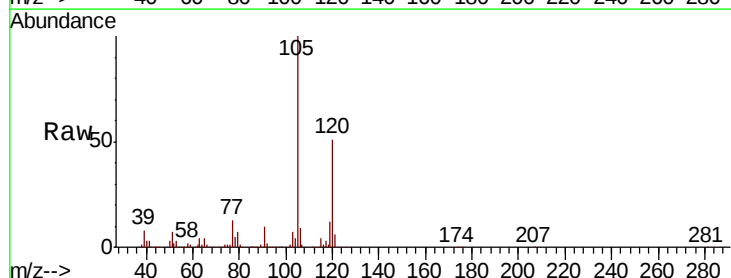
Instrument :
MSVOA_D
ClientSampleId :

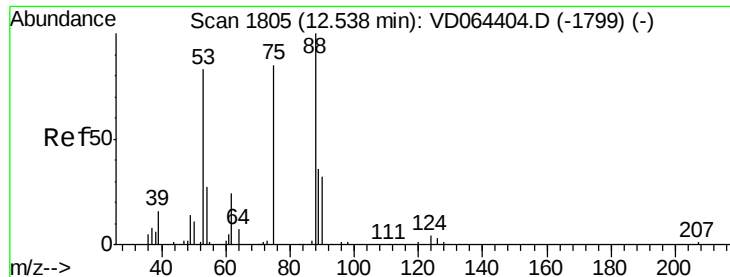
Tot Ion: 91 Resp: 282485
Ion Ratio Lower Upper
91 100
126 36.9 18.0 54.0



#80
1,3,5-Trimethylbenzene
Concen: 20.972 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 105 Resp: 362729
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.400 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

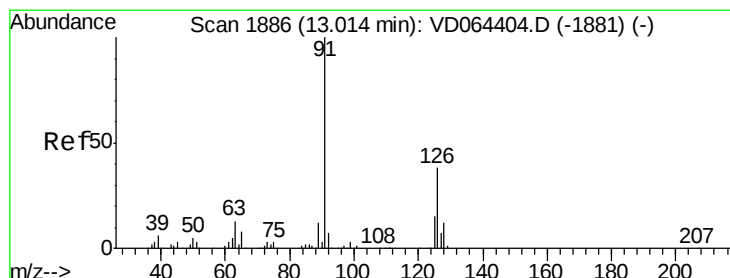
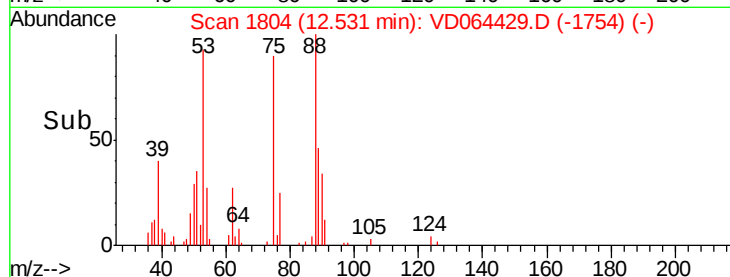
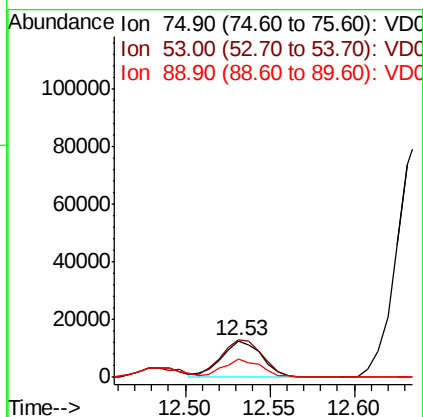
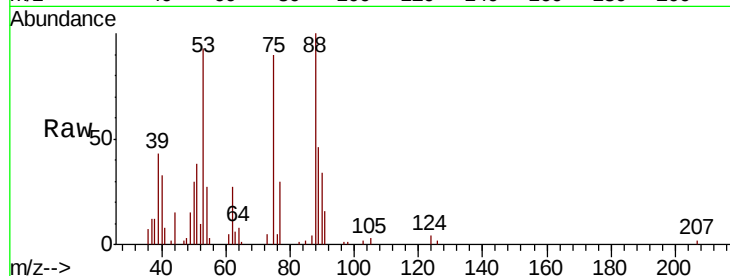
Tot Ion: 75 Resp: 21532

Ion Ratio Lower Upper

75 100

53 103.9 81.0 121.6

89 45.3 38.5 57.7



#82

4-Chlorotoluene

Concen: 20.769 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064429.D

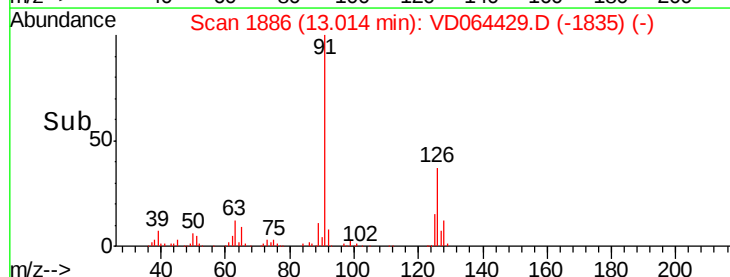
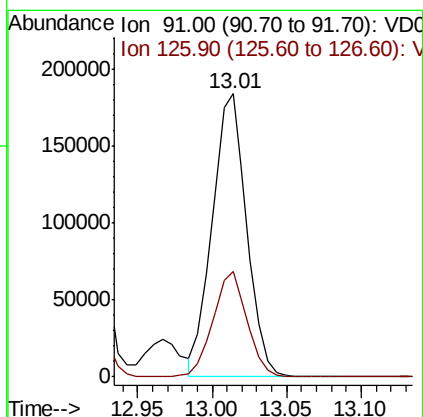
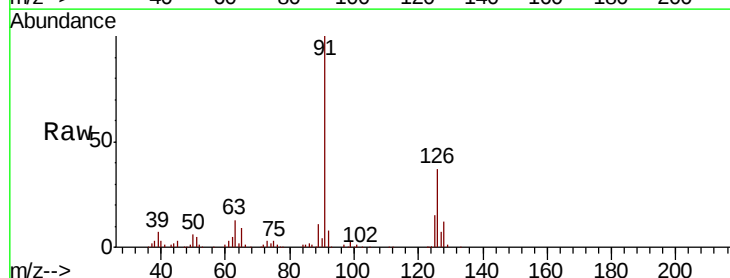
Acq: 05 Dec 2019 11:47

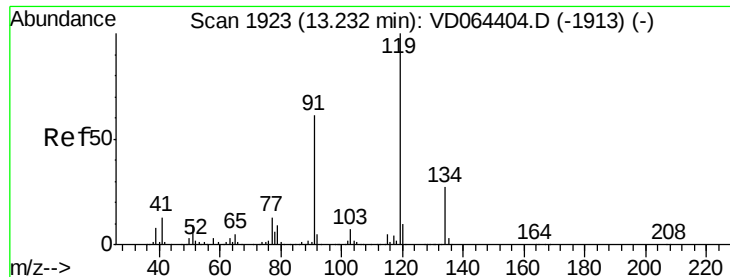
Tgt Ion: 91 Resp: 295484

Ion Ratio Lower Upper

91 100

126 36.8 18.2 54.6

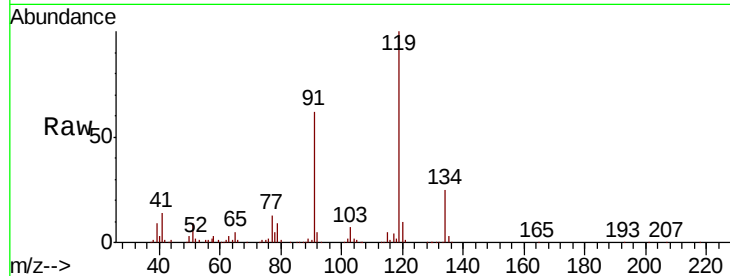




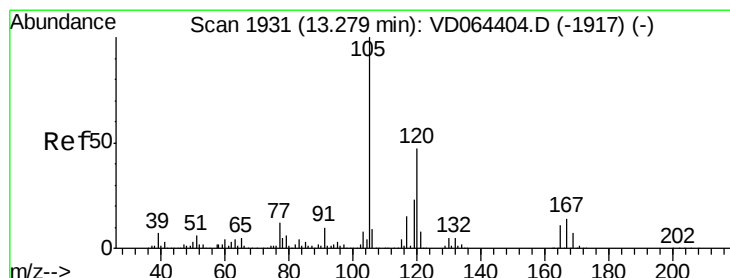
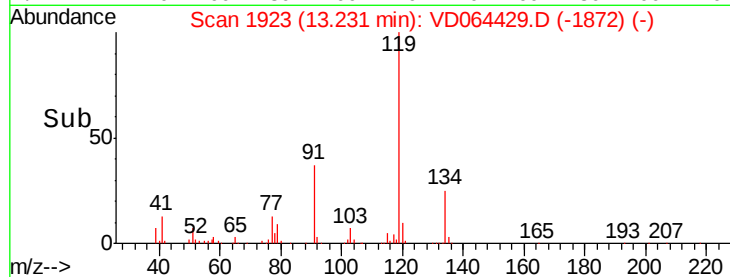
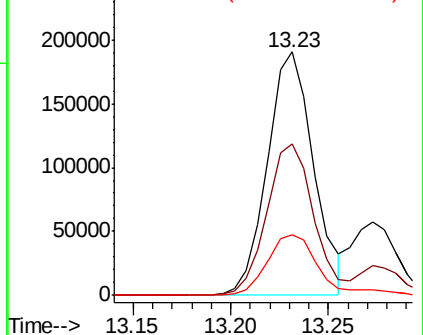
#83
tert-Butylbenzene
Concen: 20.867 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 313779
Ion Ratio Lower Upper
119 100
91 63.4 31.2 93.6
134 27.8 13.9 41.7

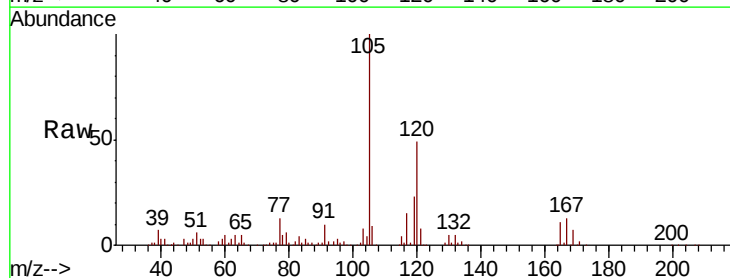


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

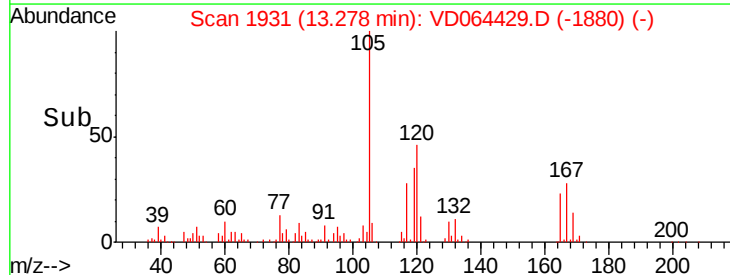
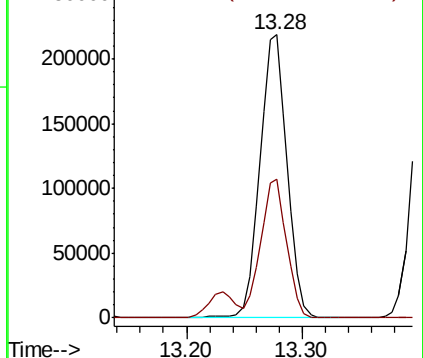


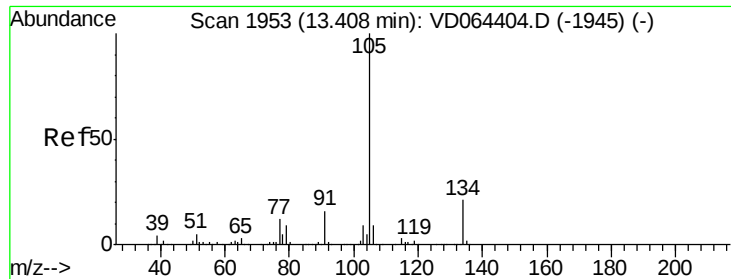
#84
1,2,4-Trimethylbenzene
Concen: 20.586 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion:105 Resp: 358027
Ion Ratio Lower Upper
105 100
120 46.8 23.6 70.8



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





#85

sec-Butylbenzene

Concen: 20.860 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

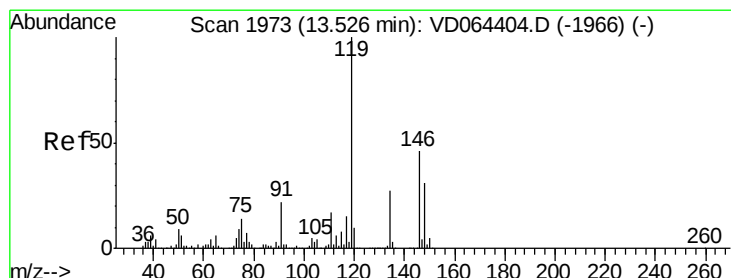
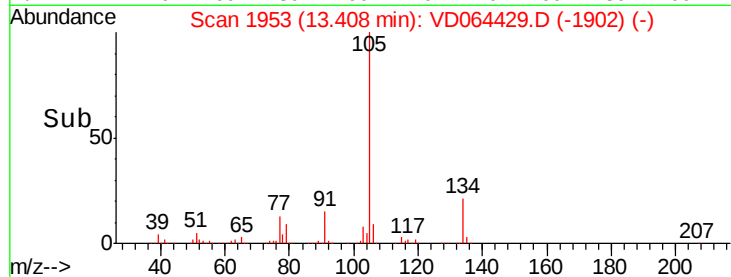
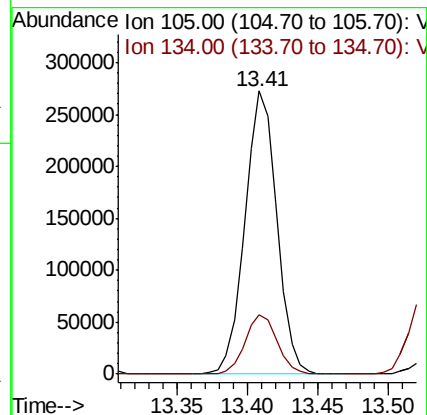
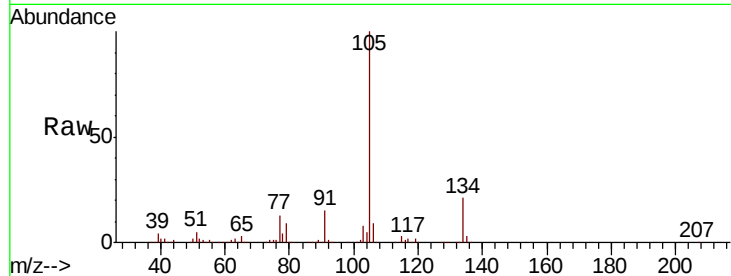
ClientSampleId :

Tot Ion:105 Resp: 430502

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.5



#86

p-Isopropyltoluene

Concen: 20.587 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

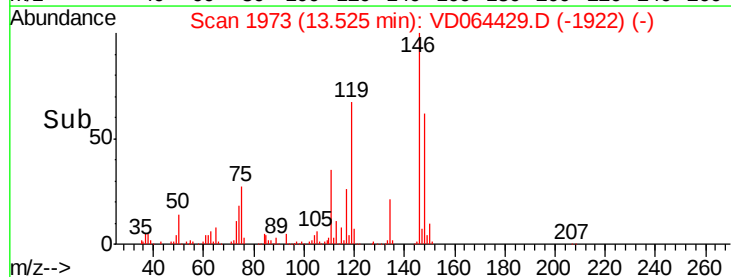
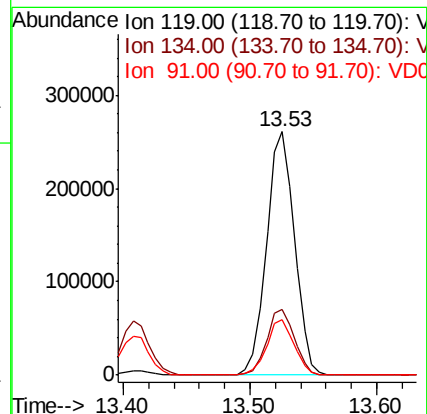
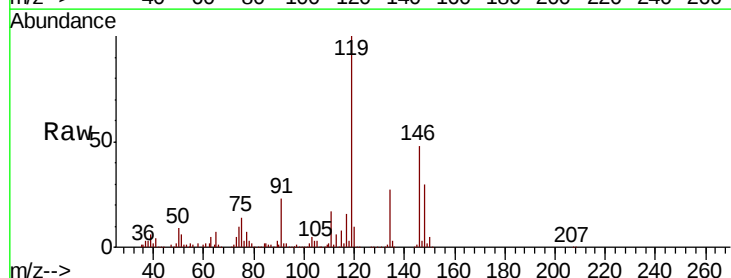
Tgt Ion:119 Resp: 401125

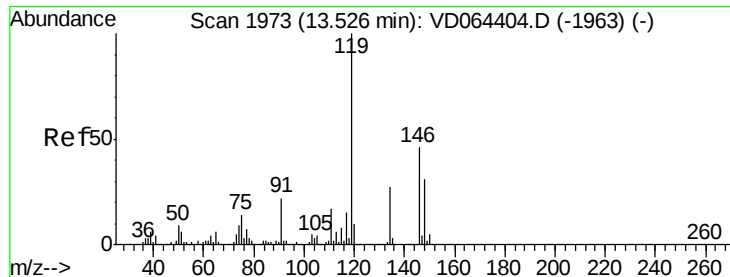
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.5 11.2 33.5

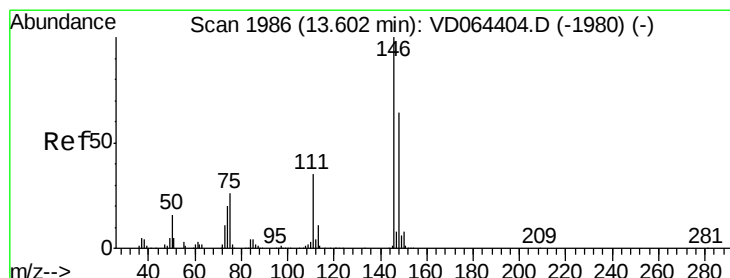
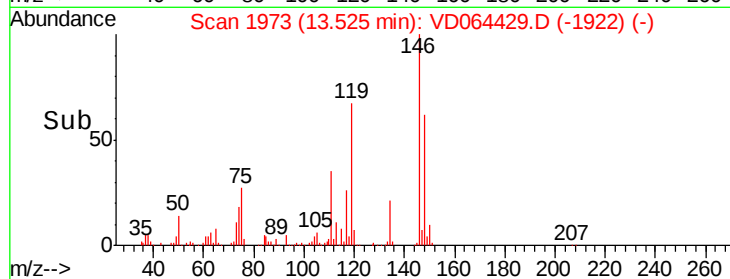
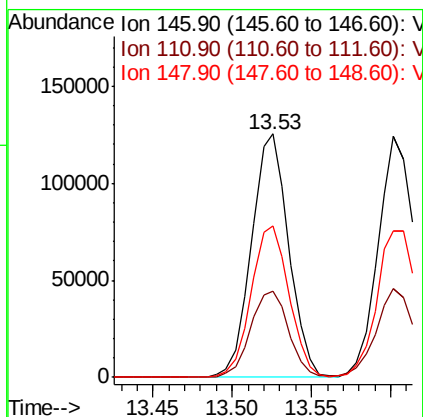
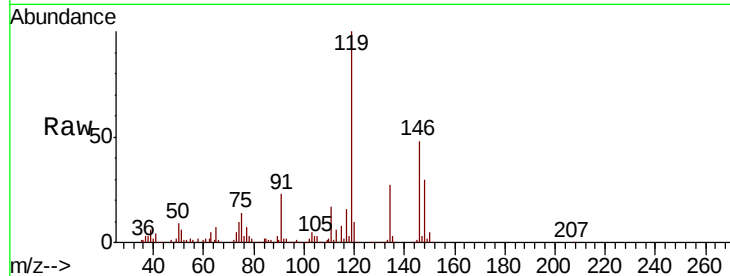




#87
 1,3-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

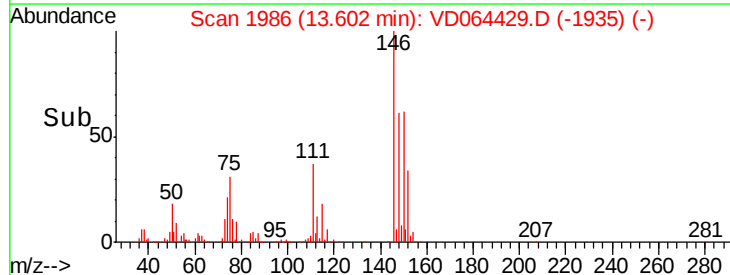
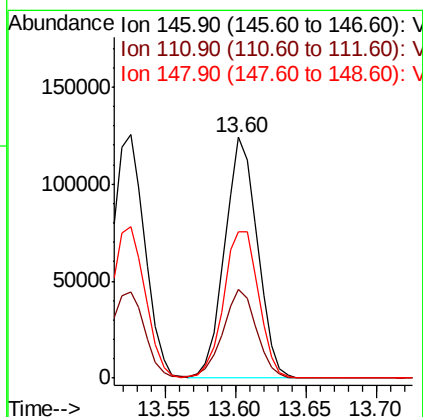
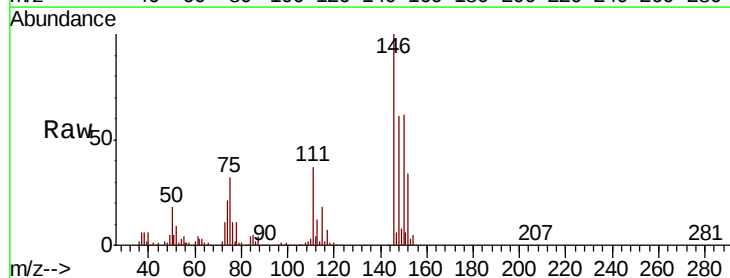
Instrument :
 MSVOA_D
 ClientSampleId :

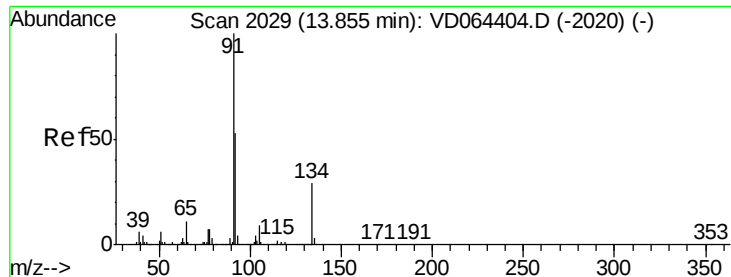
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.4
148	63.3	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.2	54.6
148	65.6	31.8	95.4

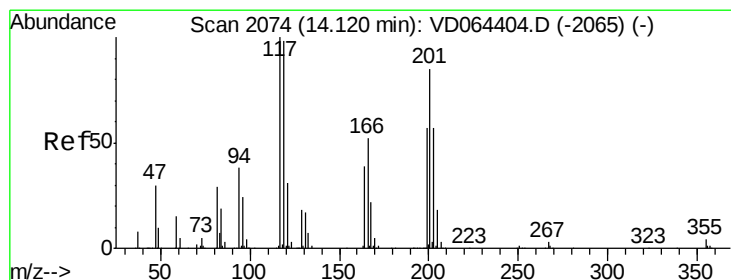
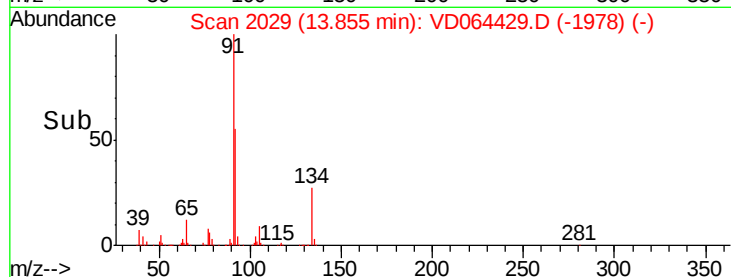
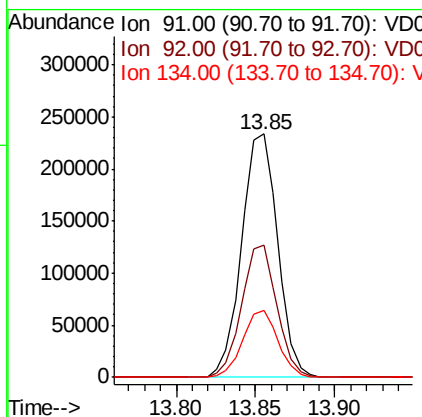
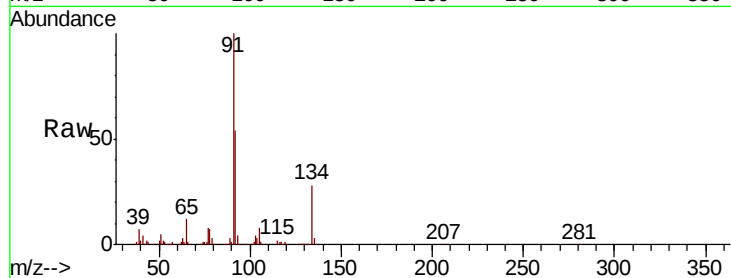




#89
n-Butylbenzene
Concen: 20.844 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

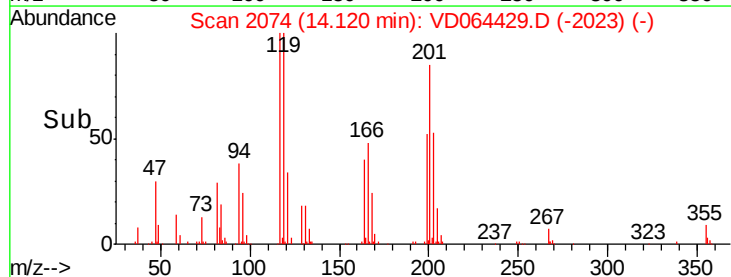
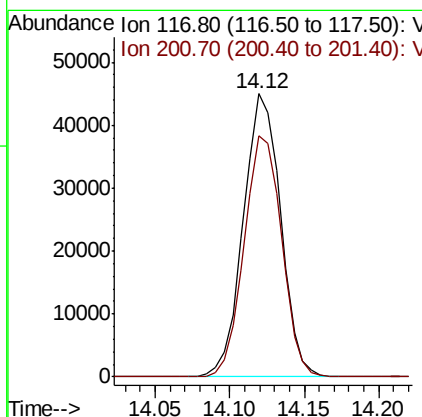
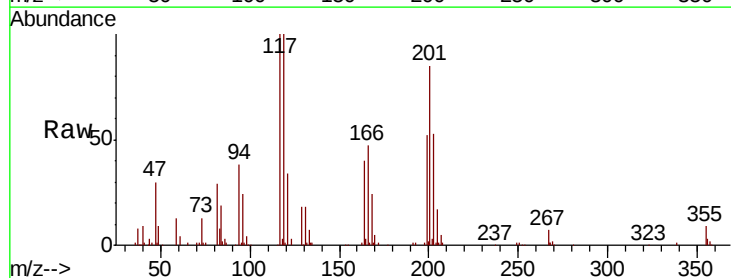
Instrument :
MSVOA_D
ClientSampleId :

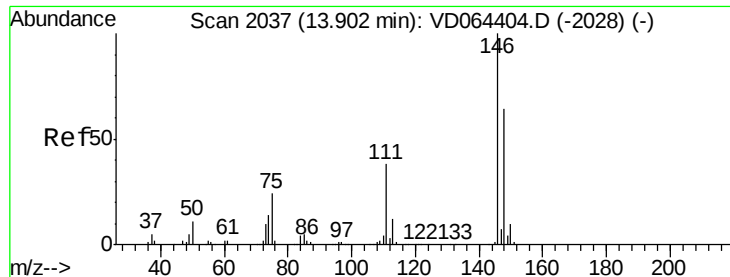
Tot Ion: 91 Resp: 368818
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.4
134 27.1 13.9 41.7



#90
Hexachloroethane
Concen: 21.357 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 117 Resp: 77830
Ion Ratio Lower Upper
117 100
201 85.5 44.3 132.8

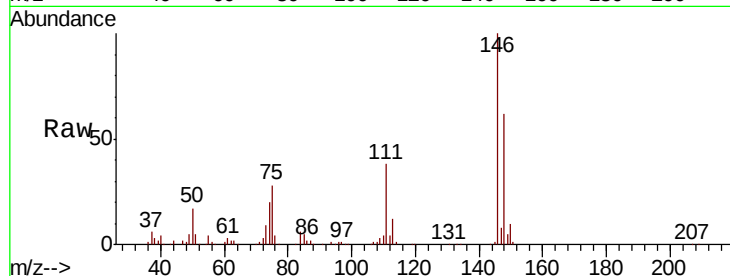




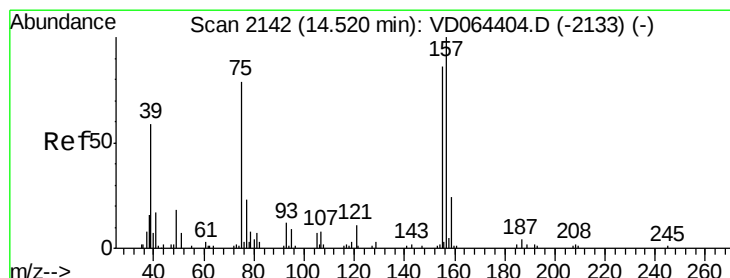
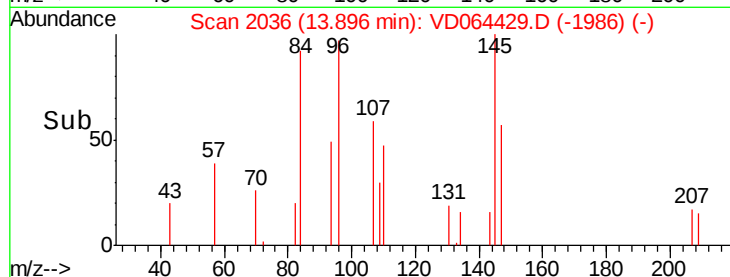
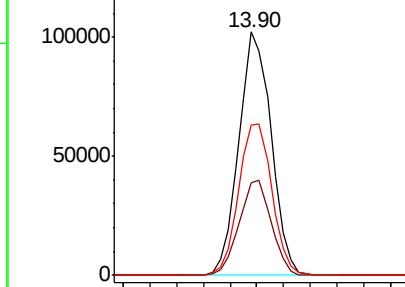
#91
 1,2-Dichlorobenzene
 Concen: 20.255 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.0	32.0	96.0

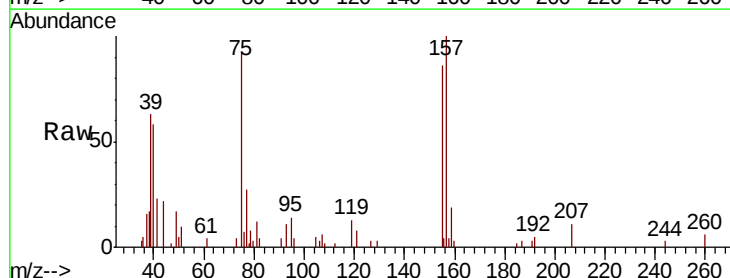


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

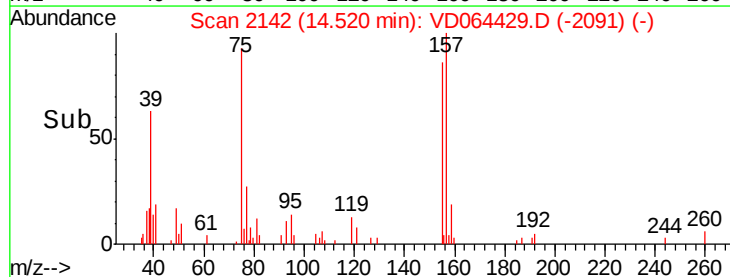
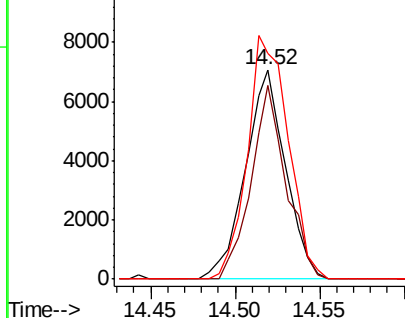


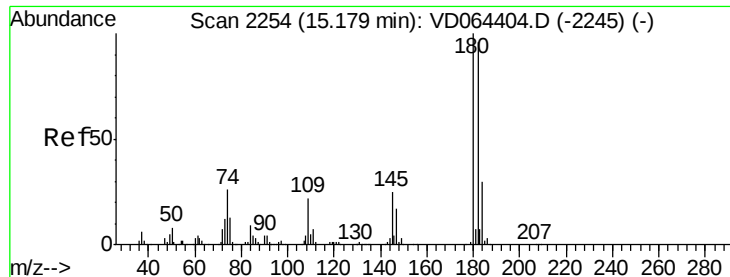
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.597 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	51.9	155.7
157	118.9	63.2	189.8



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

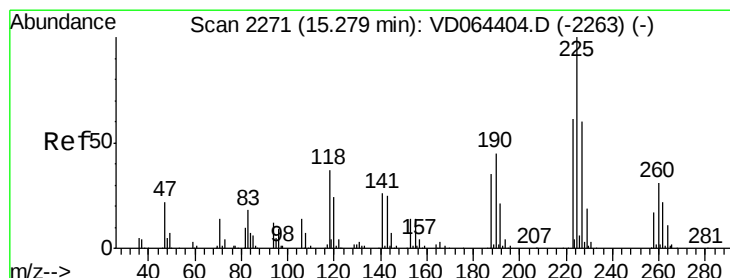
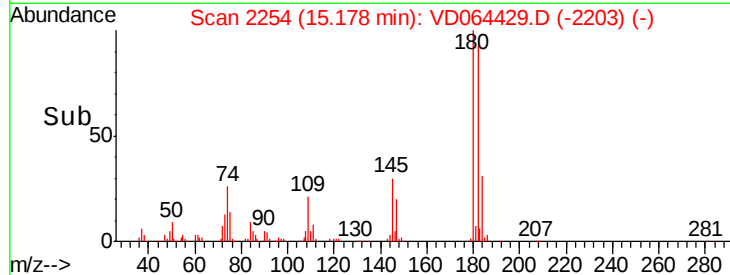
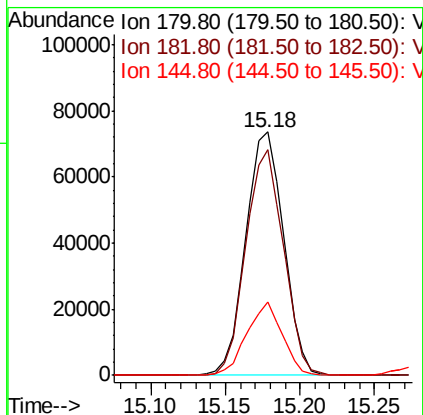
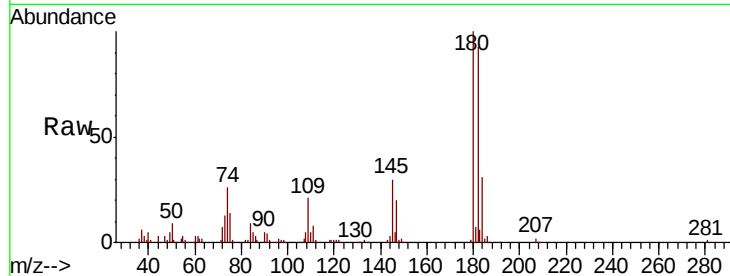




#93
 1,2,4-Trichlorobenzene
 Concen: 19.952 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

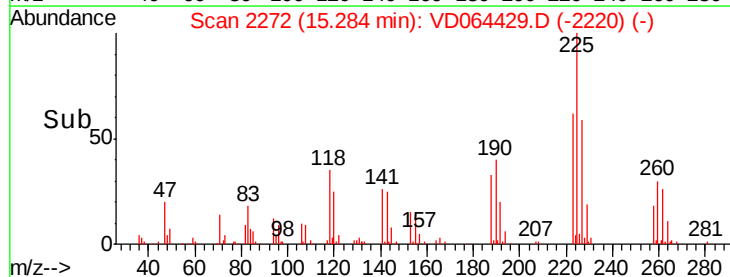
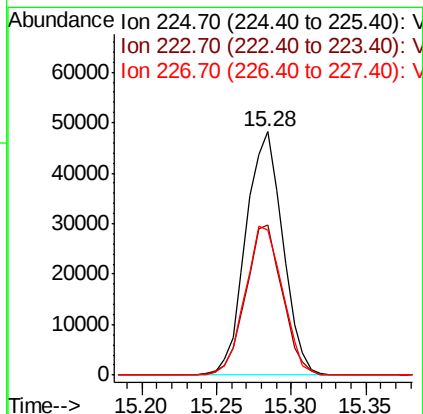
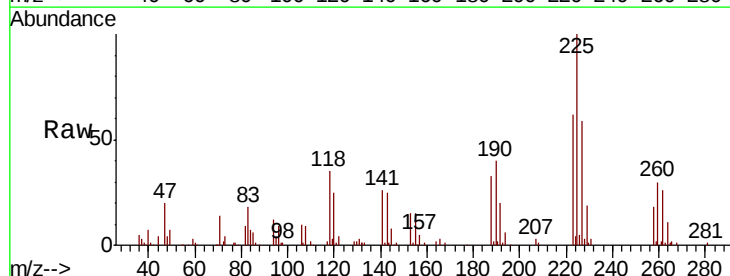
Instrument :
 MSVOA_D
 ClientSampleID :

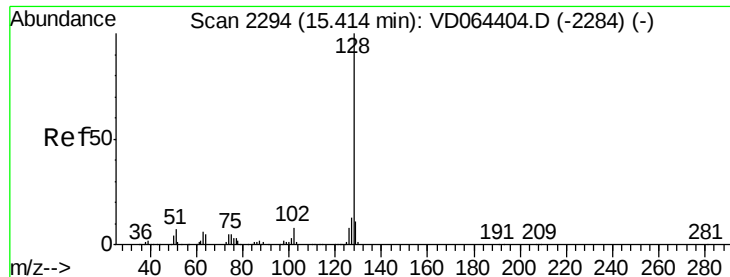
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.4	142.3
145	28.2	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 20.583 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.1	93.3
227	61.7	31.8	95.4





#95

Naphthalene

Concen: 18.632 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampled :

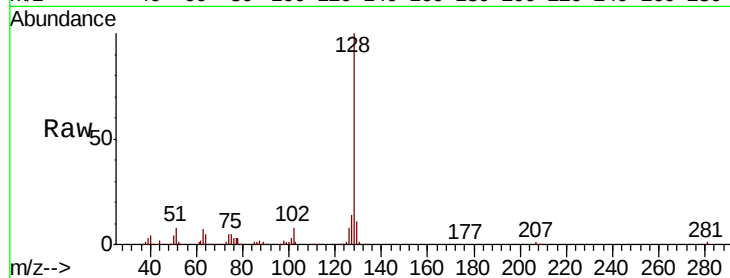
Tot Ion:128 Resp: 201895

Ion Ratio Lower Upper

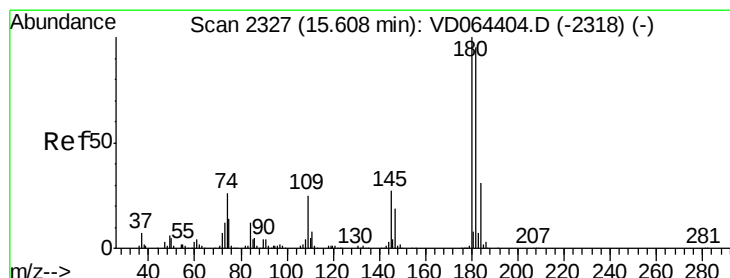
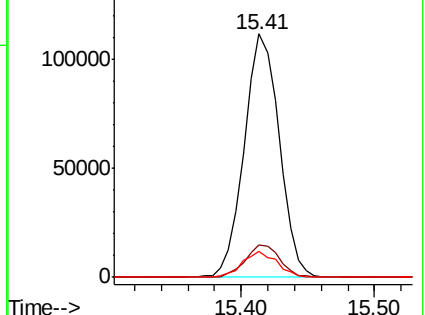
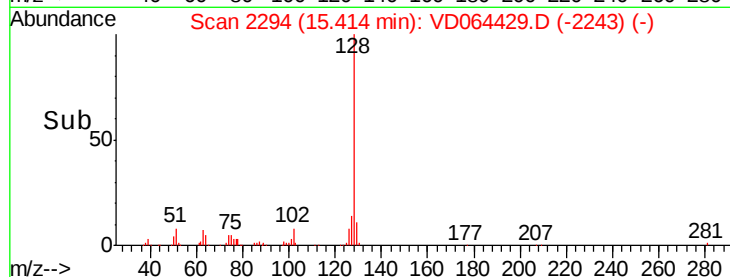
128 100

127 13.1 10.5 15.7

129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.509 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

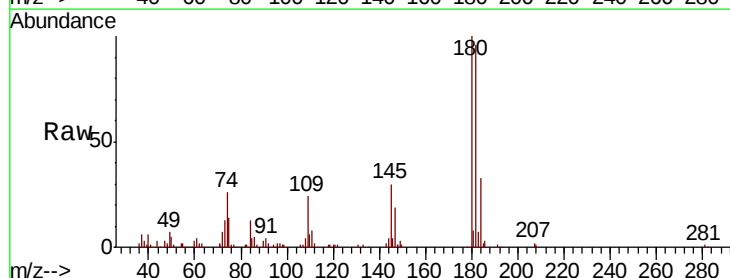
Tgt Ion:180 Resp: 108126

Ion Ratio Lower Upper

180 100

182 96.8 47.6 142.9

145 30.5 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
60000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

