

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064430.D
 Acq On : 05 Dec 2019 12:14
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Quant Time: Dec 06 05:53:40 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	496541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	713290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	211738	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	7.92	113	218386	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.34	98	823168	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	260147	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	89441	19.880	ug/l	96
3) Chloromethane	2.21	50	112434	19.813	ug/l	94
4) Vinyl Chloride	2.35	62	131366	20.050	ug/l	98
5) Bromomethane	2.76	94	90205	18.617	ug/l	99
6) Chloroethane	2.92	64	83668	19.105	ug/l	97
7) Trichlorofluoromethane	3.27	101	212492	19.509	ug/l	96
8) Diethyl Ether	3.70	74	43744	19.327	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91931	19.684	ug/l	97
10) Methyl Iodide	4.29	142	91425	18.537	ug/l	97
11) Tert butyl alcohol	5.25	59	26325	92.016	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	85866	19.186	ug/l	97
13) Acrolein	3.93	56	35484	90.932	ug/l	95
14) Allyl chloride	4.71	41	134757	19.293	ug/l	100
15) Acrylonitrile	5.43	53	92790	93.750	ug/l	98
16) Acetone	4.17	43	84411	92.940	ug/l	96
17) Carbon Disulfide	4.40	76	276356	19.496	ug/l	96
18) Methyl Acetate	4.73	43	59726	22.545	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	187041	18.219	ug/l	99
20) Methylene Chloride	4.96	84	96941	18.176	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97177	19.195	ug/l	97
22) Diisopropyl ether	6.37	45	255962	18.563	ug/l	96
23) Vinyl Acetate	6.31	43	745039	91.653	ug/l	100
24) 1,1-Dichloroethane	6.27	63	159485	19.233	ug/l	98
25) 2-Butanone	7.22	43	120525	93.835	ug/l	99
26) 2,2-Dichloropropane	7.21	77	141813	19.665	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103986	18.840	ug/l	99
28) Bromochloromethane	7.55	49	43228	15.254	ug/l	97
29) Tetrahydrofuran	7.57	42	77548	94.897	ug/l	98
30) Chloroform	7.71	83	164643	19.171	ug/l	98
31) Cyclohexane	7.98	56	160566	19.368	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	152239	19.121	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130039	19.274	ug/l	100
37) Ethyl Acetate	7.30	43	54820	19.149	ug/l	99
38) Carbon Tetrachloride	8.09	117	139603	19.605	ug/l	90

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 Data File : VD064430.D
 Acq On : 05 Dec 2019 12:14
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 Sample : VD1205SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Quant Time: Dec 06 05:53:40 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	163769	19.568	ug/l	99
40) Benzene	8.35	78	360369	19.231	ug/l	99
41) Methacrylonitrile	7.56	41	75511	45.994	ug/l #	40
42) 1,2-Dichloroethane	8.43	62	105206	19.252	ug/l	99
43) Isopropyl Acetate	8.46	43	107952	19.179	ug/l	98
44) Trichloroethene	9.11	130	107990	19.132	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85519	19.083	ug/l	100
46) Dibromomethane	9.48	93	47979	18.969	ug/l	99
47) Bromodichloromethane	9.66	83	122536	18.854	ug/l	94
48) Methyl methacrylate	9.46	41	48676	18.898	ug/l	96
49) 1,4-Dioxane	9.47	88	11075	354.586	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	262578	94.281	ug/l	100
52) Toluene	10.40	92	232608	19.047	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118285	19.097	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	140302	19.068	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65399	18.883	ug/l	95
56) Ethyl methacrylate	10.66	69	82041	18.572	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114105	19.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172476	97.947	ug/l	98
59) 2-Hexanone	10.98	43	180029	93.157	ug/l	99
60) Dibromochloromethane	11.14	129	87788	18.695	ug/l	97
61) 1,2-Dibromoethane	11.25	107	63711	18.424	ug/l	98
64) Tetrachloroethene	10.87	164	91560	19.320	ug/l	92
65) Chlorobenzene	11.67	112	245716	18.957	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90035	18.764	ug/l	98
67) Ethyl Benzene	11.75	91	444703	19.283	ug/l	99
68) m/p-Xylenes	11.86	106	336530	38.271	ug/l	100
69) o-Xylene	12.18	106	153617	18.916	ug/l	99
70) Styrene	12.20	104	267909	18.984	ug/l	100
71) Bromoform	12.37	173	52909	18.430	ug/l #	98
73) Isopropylbenzene	12.48	105	421731	19.524	ug/l	100
74) N-amyl acetate	12.29	43	91538	18.671	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70816	19.825	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	93238	37.750	ug/l #	100
77) Bromobenzene	12.77	156	106985	20.056	ug/l	96
78) n-propylbenzene	12.83	91	491400	19.717	ug/l	99
79) 2-Chlorotoluene	12.91	91	271368	19.788	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	344471	19.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22519	19.881	ug/l	95
82) 4-Chlorotoluene	13.01	91	281641	19.397	ug/l	100
83) tert-Butylbenzene	13.23	119	301118	19.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	342537	19.298	ug/l	99
85) sec-Butylbenzene	13.41	105	407796	19.361	ug/l	99
86) p-Isopropyltoluene	13.53	119	381861	19.203	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	194361	19.197	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189039	18.912	ug/l	97
89) n-Butylbenzene	13.85	91	349144	19.335	ug/l	100
90) Hexachloroethane	14.12	117	73355	19.723	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	168097	19.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11074	17.938	ug/l	97

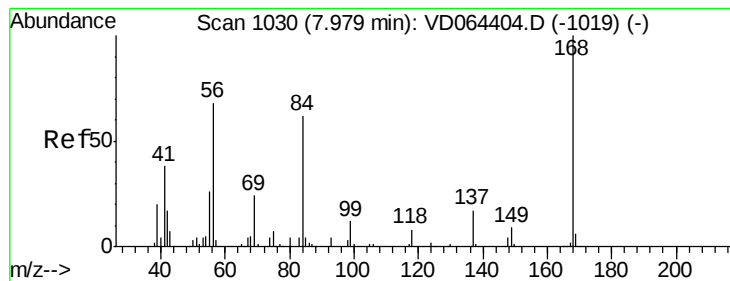
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Data File : VD064430.D
Acq On : 05 Dec 2019 12:14
Operator : VA/SY
Sample : VD1205SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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Quant Method : Z:\V0ASRV\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	15.17	180	123740	18.674	ug/l	99
94) Hexachlorobutadiene	15.28	225	74514	18.215	ug/l	98
95) Naphthalene	15.41	128	208245	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105598	18.669	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: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

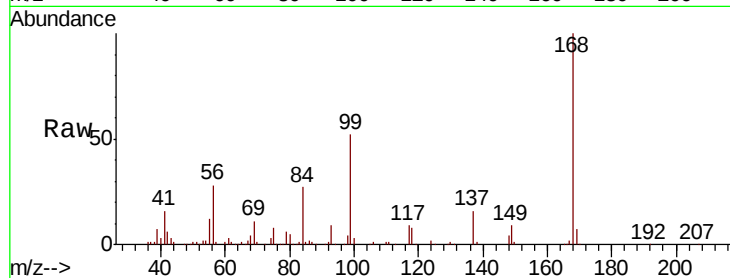
VD1205SBSD01

Tot Ion:168 Resp: 496541

Ion Ratio Lower Upper

168 100

99 51.4 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

250000

200000

150000

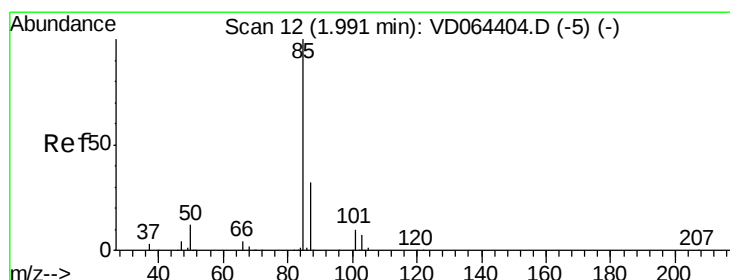
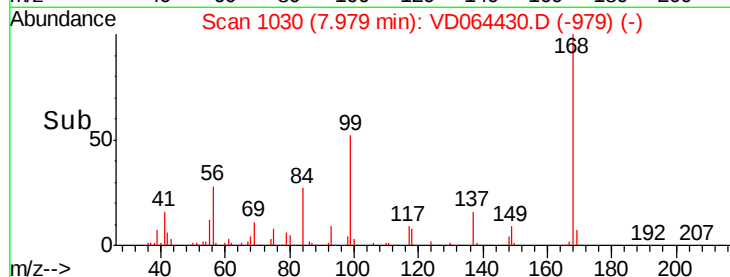
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.880 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064430.D

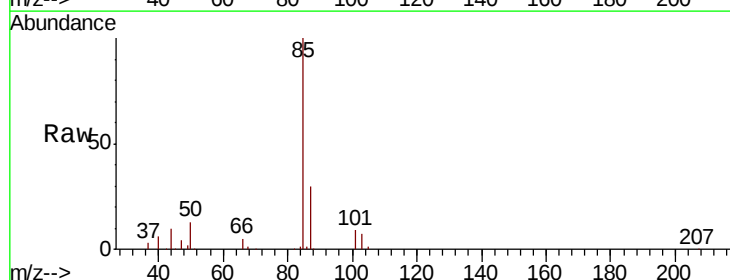
Acq: 05 Dec 2019 12:14

Tgt Ion: 85 Resp: 89441

Ion Ratio Lower Upper

85 100

87 30.0 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

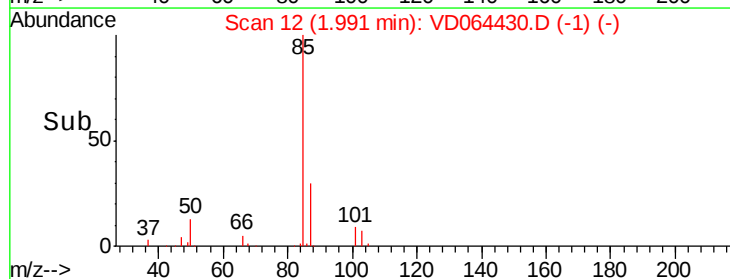
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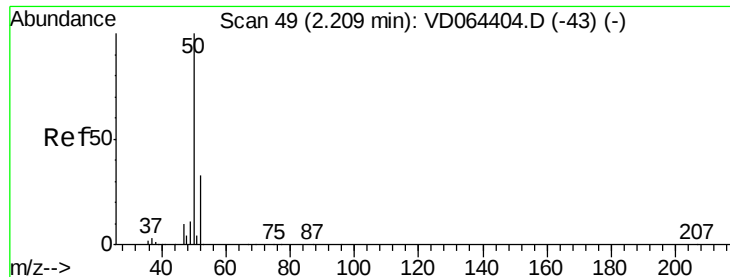
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.813 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

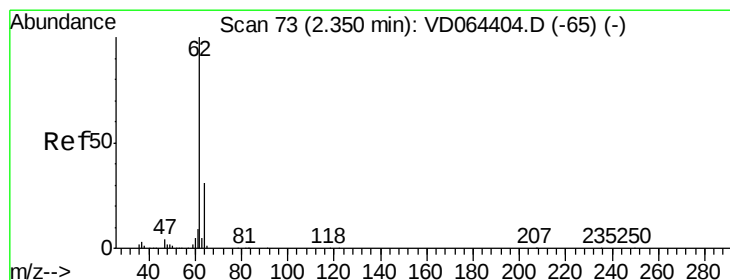
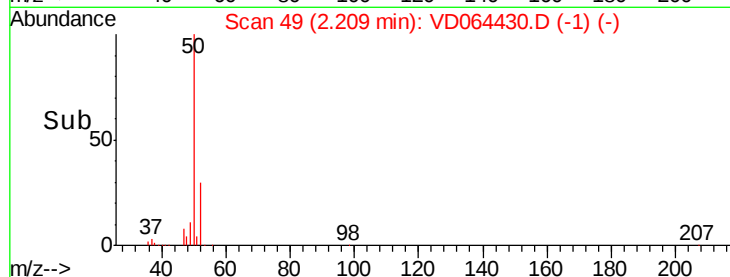
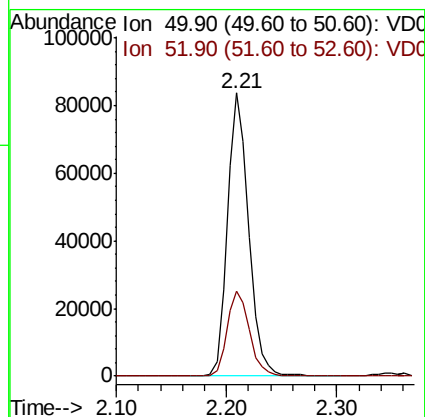
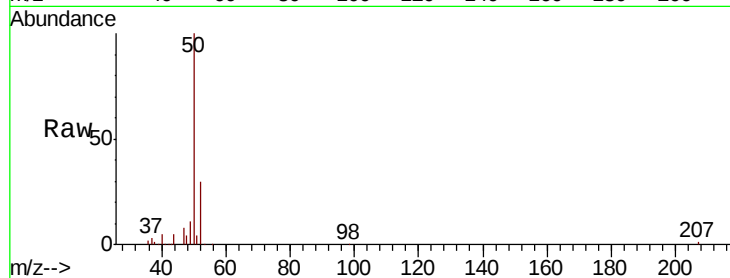
VD1205SBS01

Tot Ion: 50 Resp: 112434

Ion Ratio Lower Upper

50 100

52 30.0 26.7 40.1



#4

Vinyl Chloride

Concen: 20.050 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064430.D

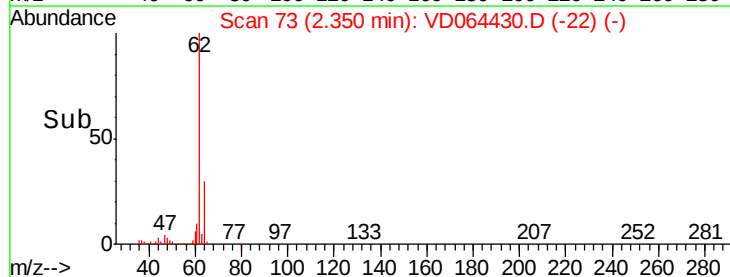
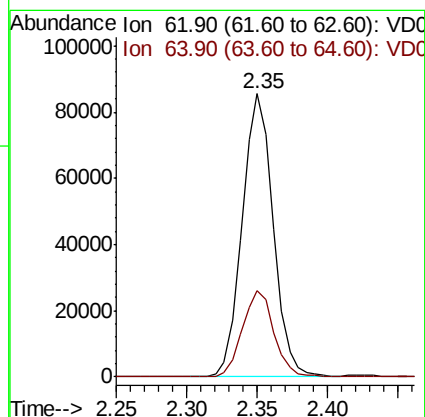
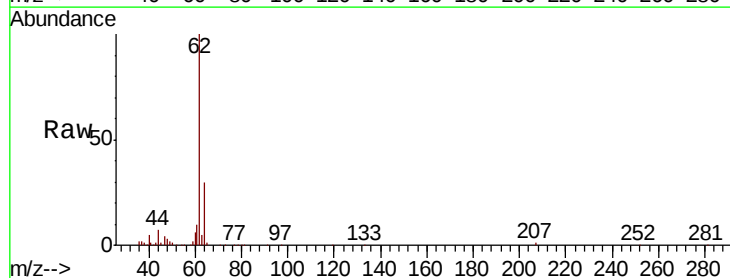
Acq: 05 Dec 2019 12:14

Tgt Ion: 62 Resp: 131366

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.4





#5

Bromomethane

Concen: 18.617 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

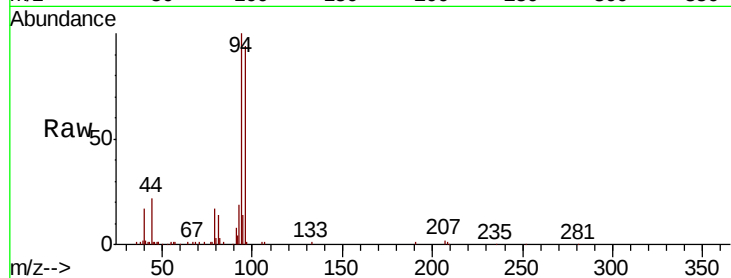
VD1205SBS01

Tot Ion: 94 Resp: 90205

Ion Ratio Lower Upper

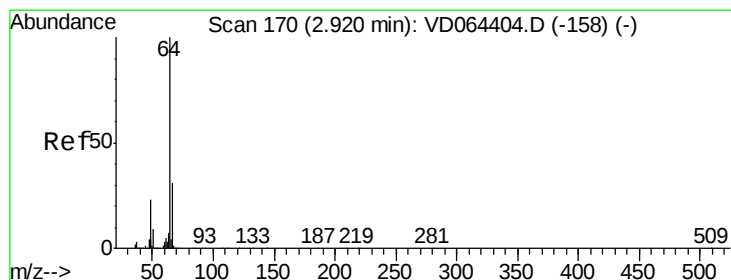
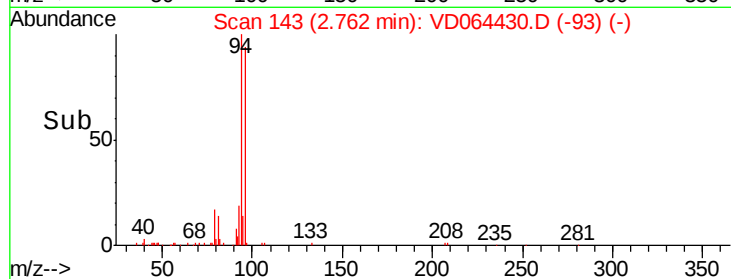
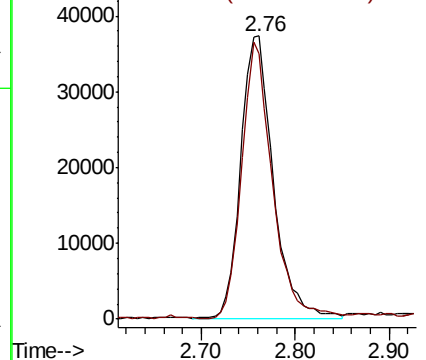
94 100

96 93.4 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: 19.105 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064430.D

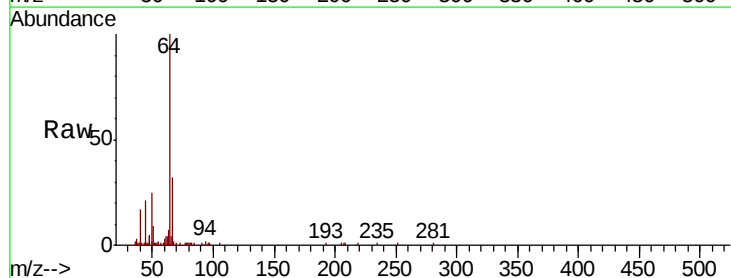
Acq: 05 Dec 2019 12:14

Tgt Ion: 64 Resp: 83668

Ion Ratio Lower Upper

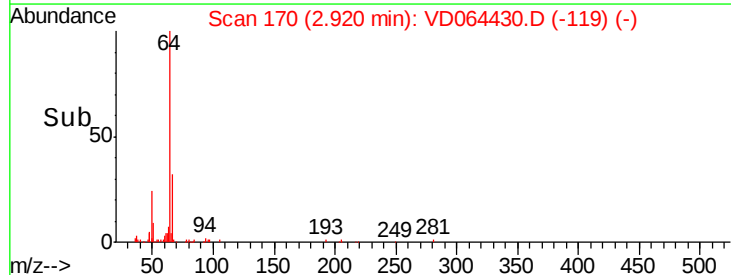
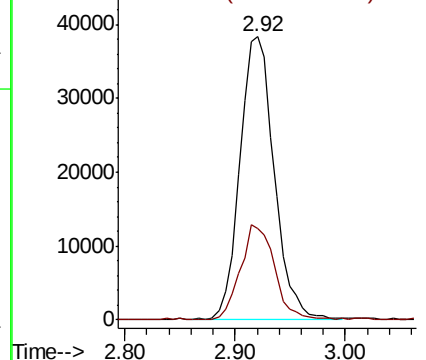
64 100

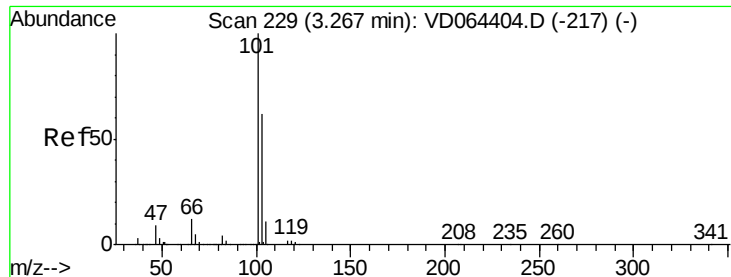
66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



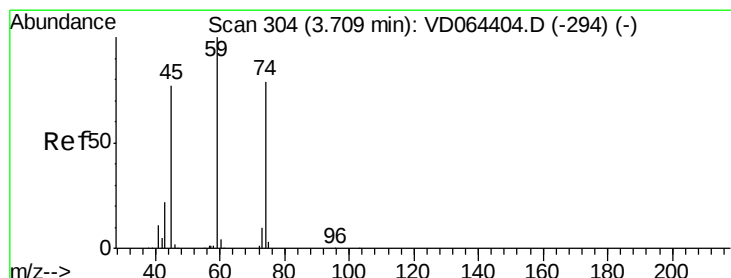
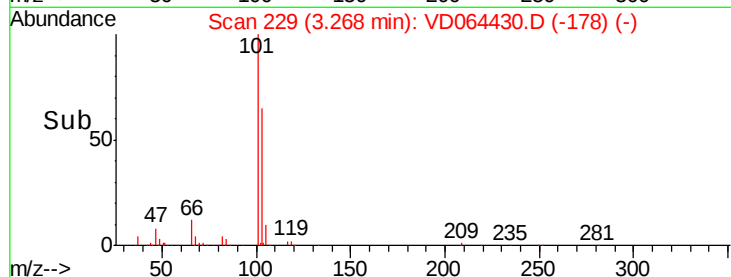
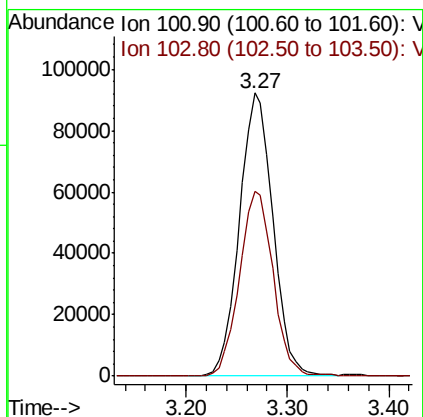
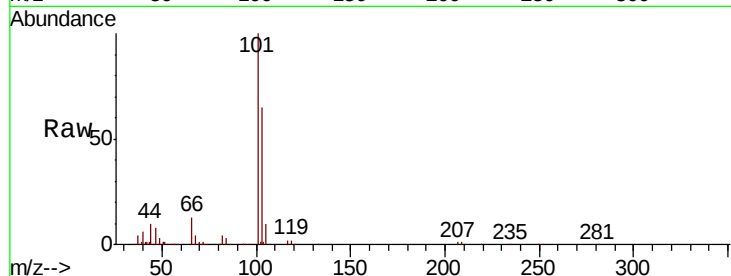


#7

Trichlorofluoromethane
Concen: 19.509 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

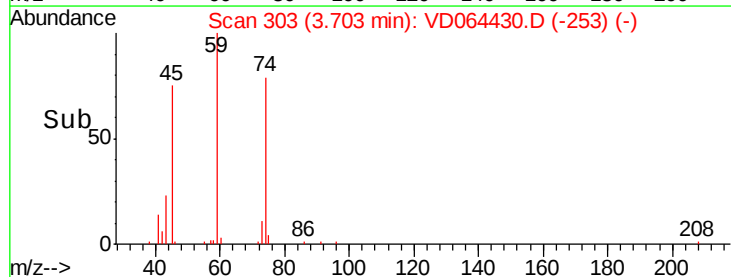
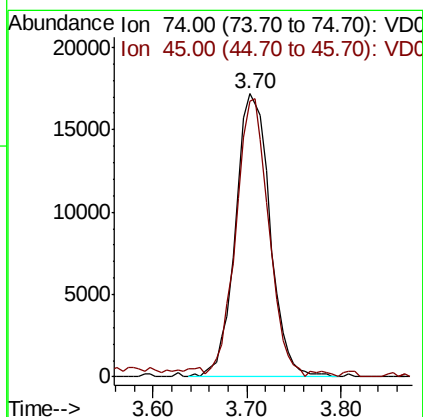
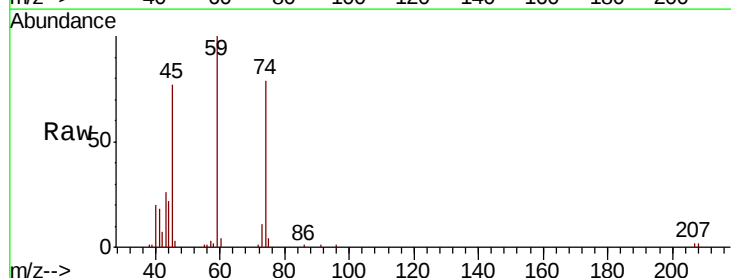
Tot Ion:101 Resp: 212492
Ion Ratio Lower Upper
101 100
103 65.1 49.8 74.6

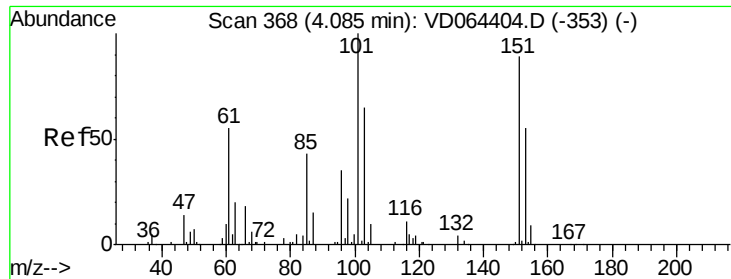


#8

Diethyl Ether
Concen: 19.327 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 74 Resp: 43744
Ion Ratio Lower Upper
74 100
45 93.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.684 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

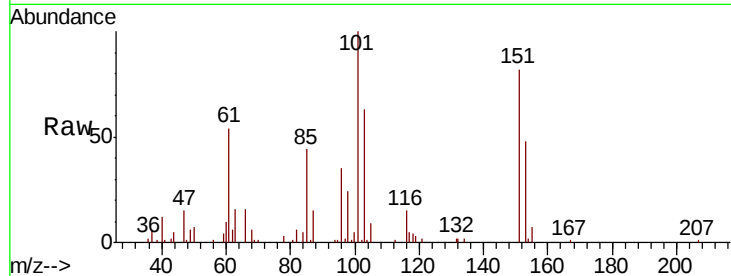
Tot Ion:101 Resp: 91931

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

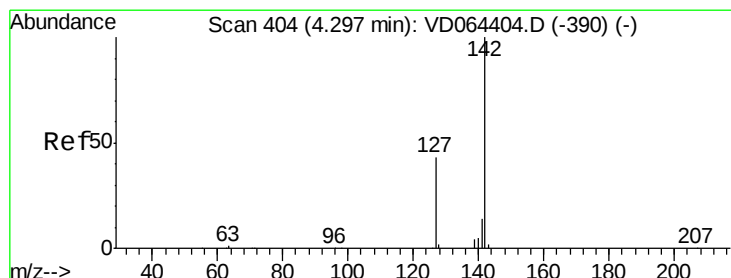
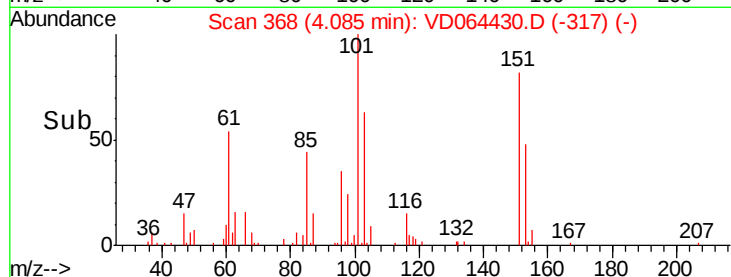
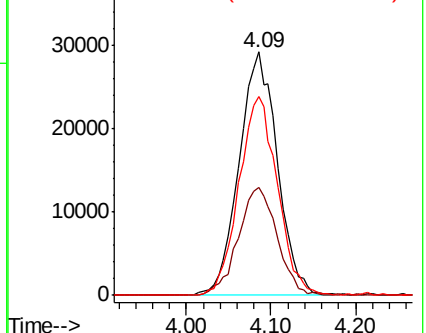
151 82.1 68.8 103.2



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: 18.537 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

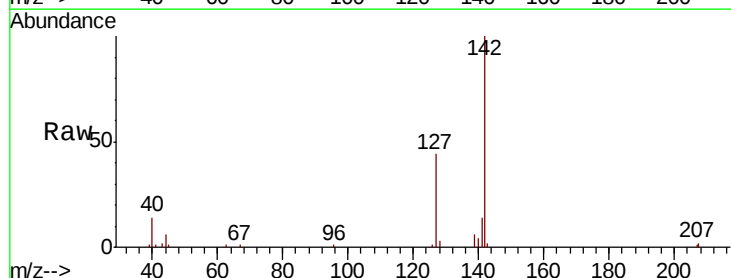
Tgt Ion:142 Resp: 91425

Ion Ratio Lower Upper

142 100

127 42.0 35.3 52.9

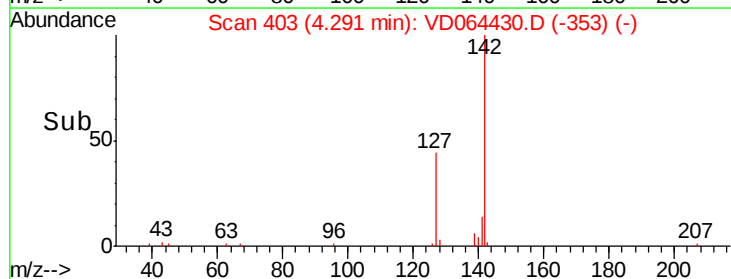
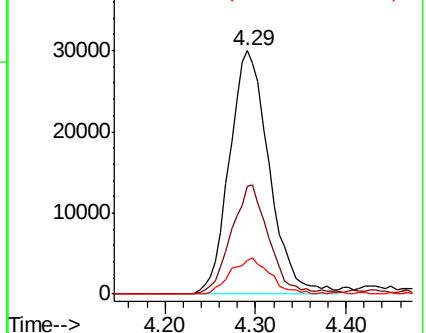
141 14.6 11.6 17.4

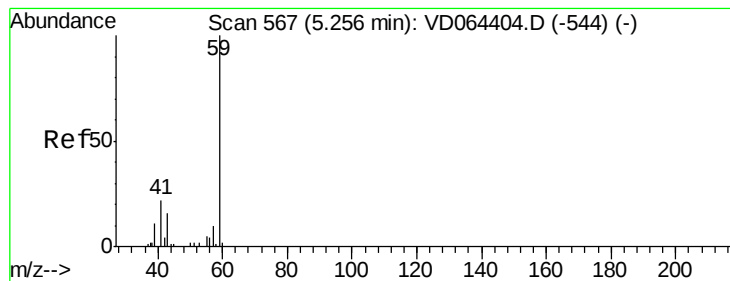


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



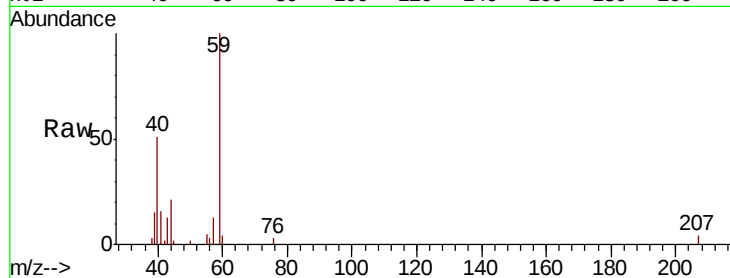


#11

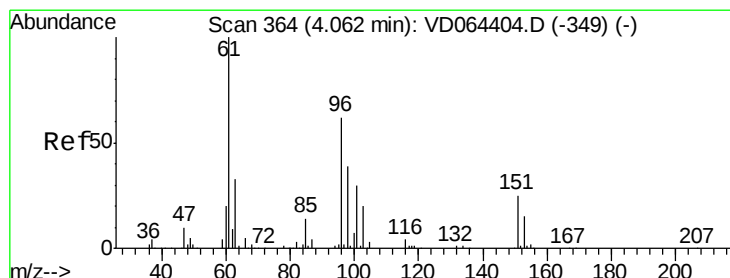
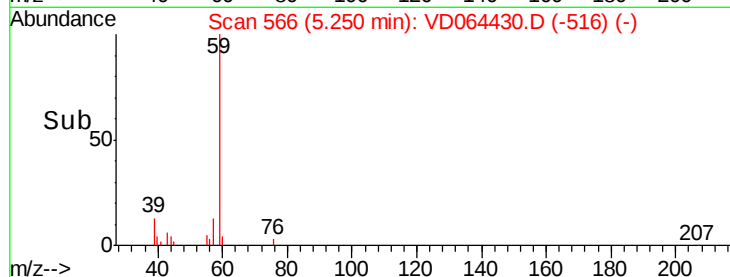
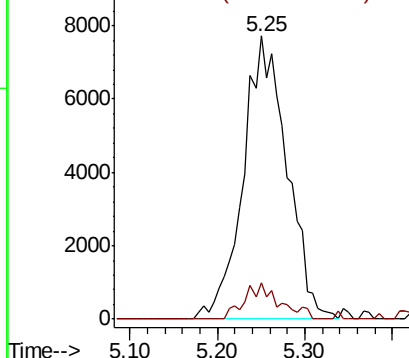
Tert butyl alcohol
 Concen: 92.016 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 59 Resp: 26325
 Ion Ratio Lower Upper
 59 100
 57 9.3 0.0 0.0#



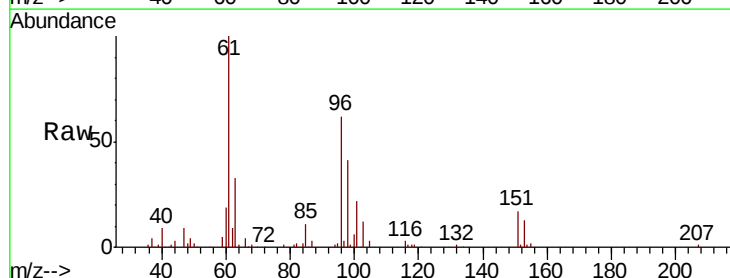
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



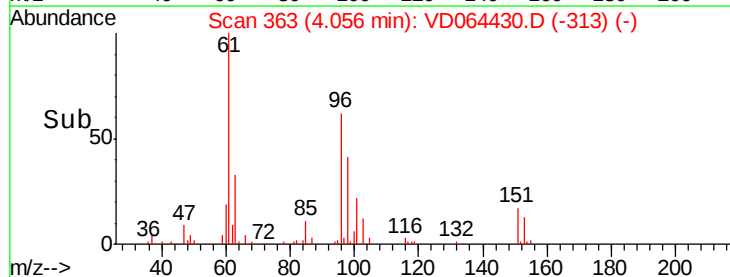
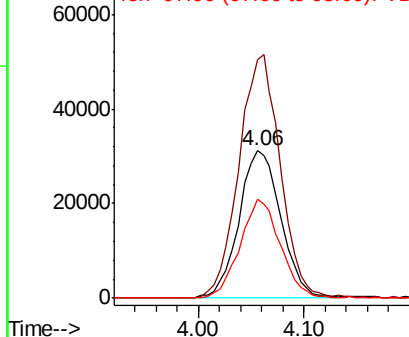
#12

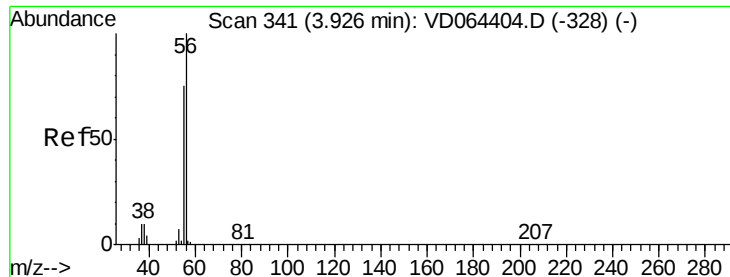
1,1-Dichloroethene
 Concen: 19.186 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 96 Resp: 85866
 Ion Ratio Lower Upper
 96 100
 61 162.4 128.2 192.4
 98 67.0 50.4 75.6



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





#13

Acrolein

Concen: 90.932 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

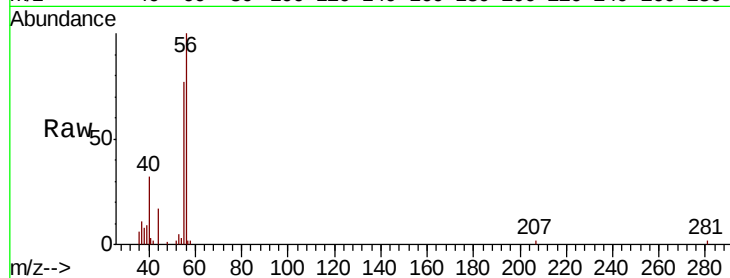
VD1205SBSD01

Tot Ion: 56 Resp: 35484

Ion Ratio Lower Upper

56 100

55 75.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

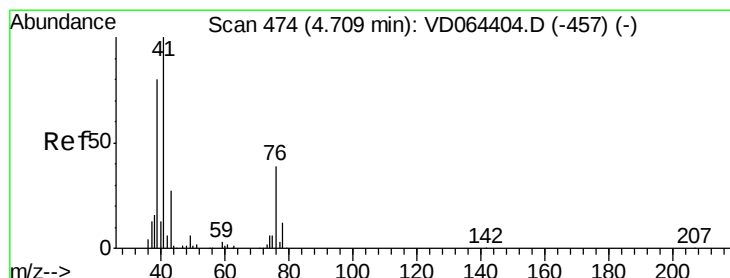
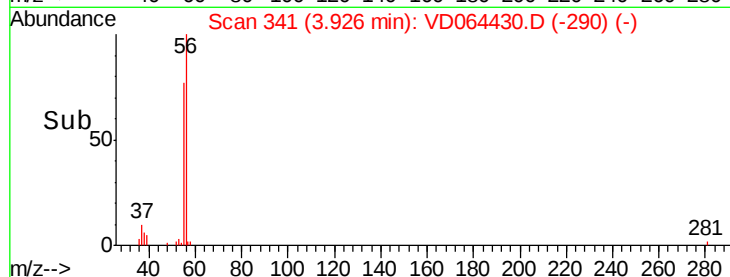
10000

5000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 19.293 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

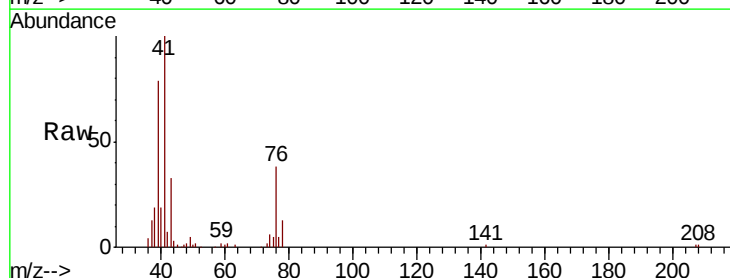
Tgt Ion: 41 Resp: 134757

Ion Ratio Lower Upper

41 100

39 77.7 62.1 93.1

76 37.0 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

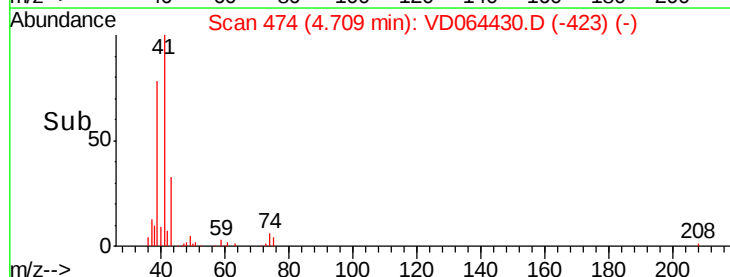
20000

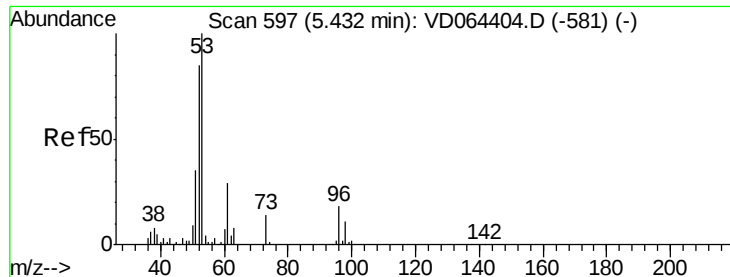
10000

0

4.60 4.70 4.80

Time-->

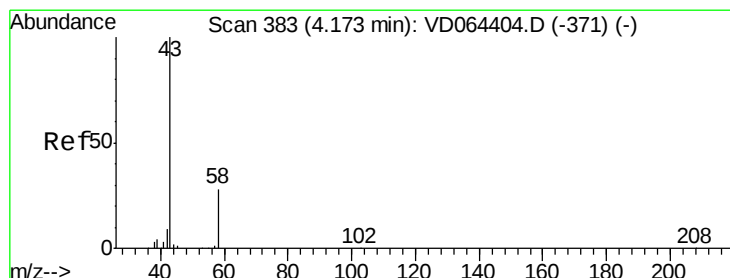
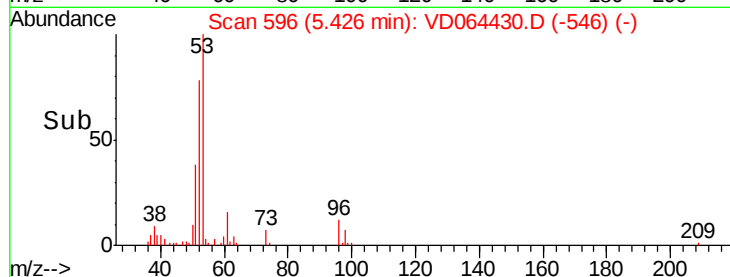
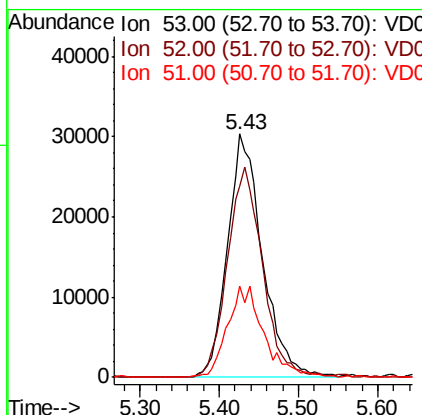
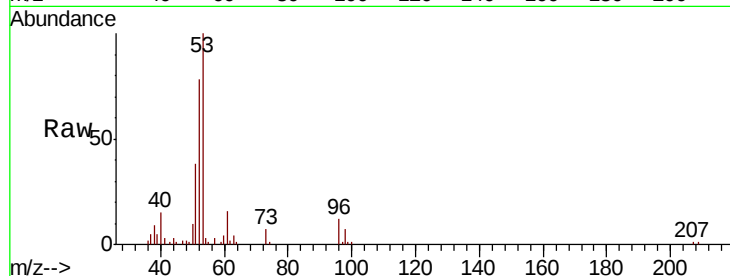




#15
 Acrylonitrile
 Concen: 93.750 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

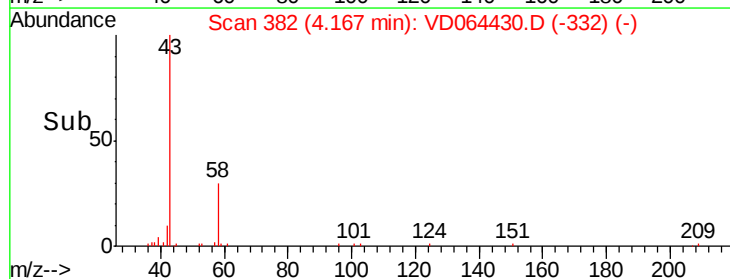
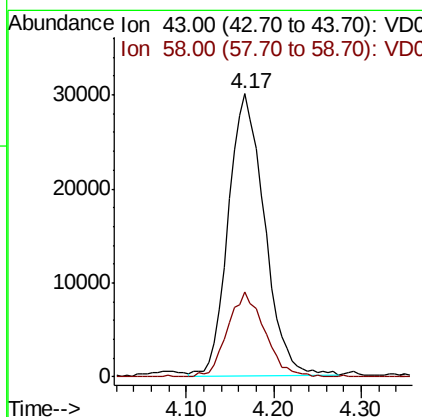
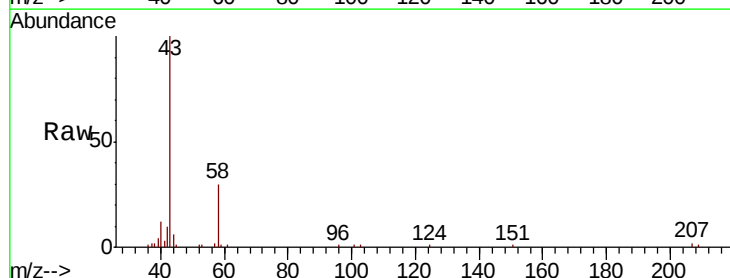
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

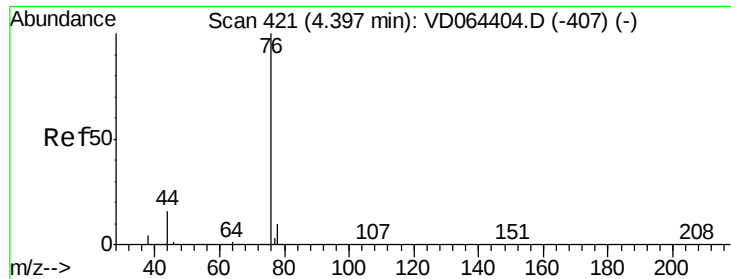
Tot Ion	53	Resp	92790
Ion Ratio	Lower	Upper	
53	100		
52	86.7	67.9	101.9
51	38.9	30.6	45.8



#16
 Acetone
 Concen: 92.940 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	43	Resp	84411
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.6	33.8

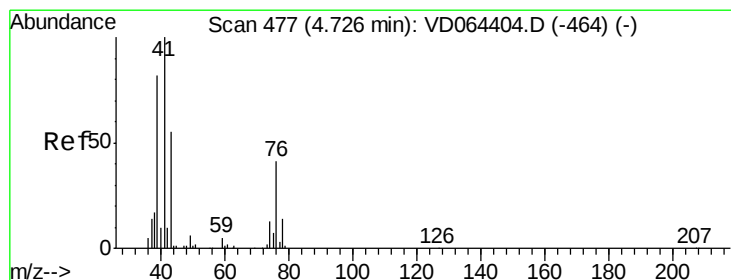
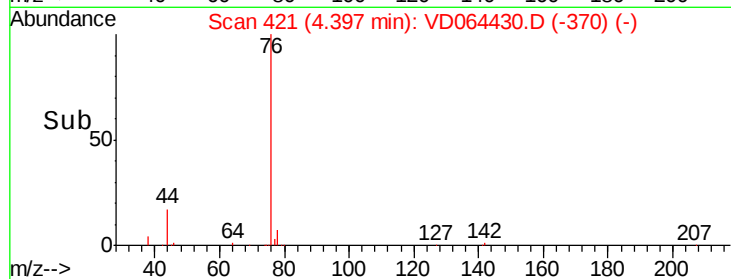
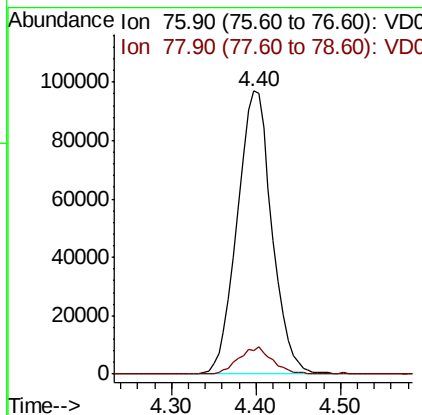
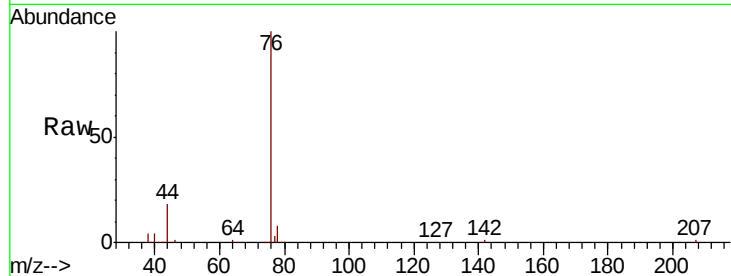




#17
Carbon Disulfide
Concen: 19.496 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

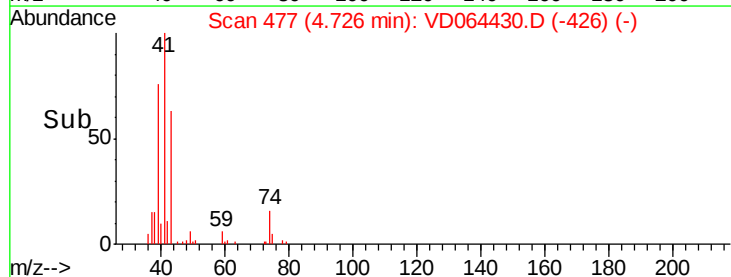
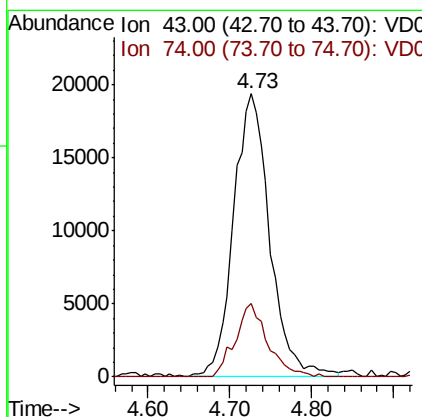
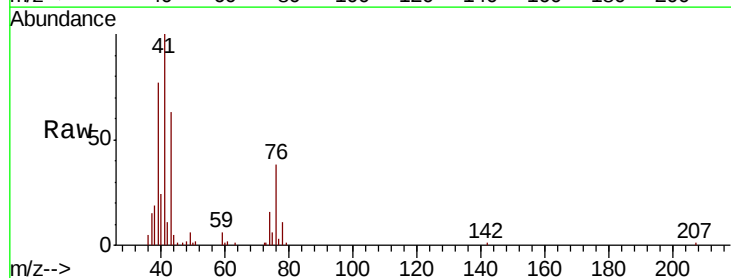
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

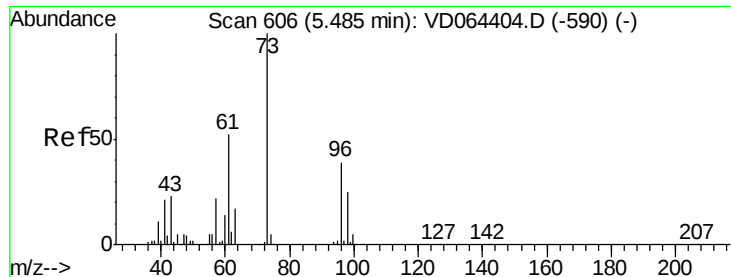
Tot Ion: 76 Resp: 276356
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.8



#18
Methyl Acetate
Concen: 22.545 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 43 Resp: 59726
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5

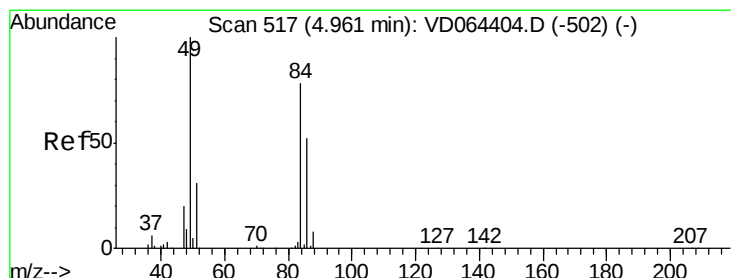
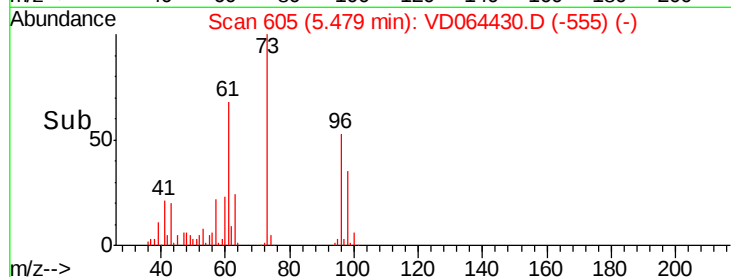
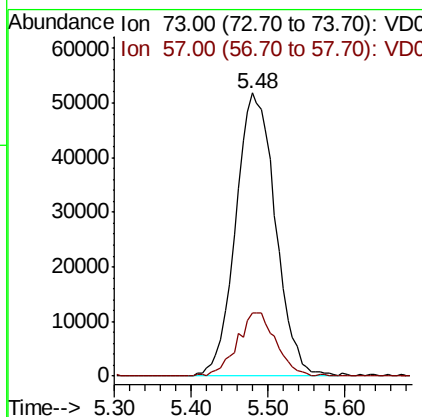
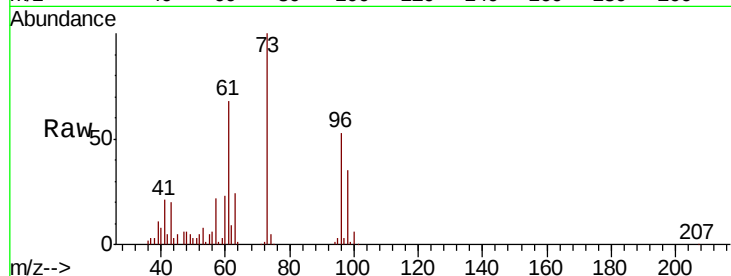




#19
Methyl tert-butyl Ether
Concen: 18.219 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

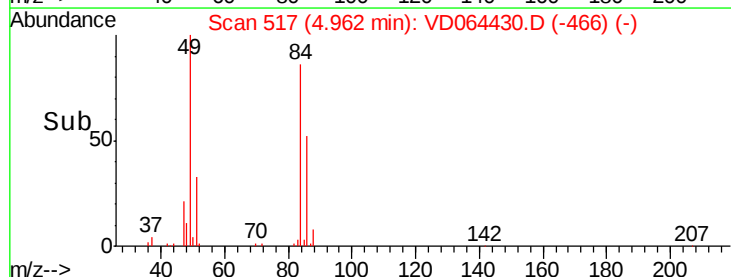
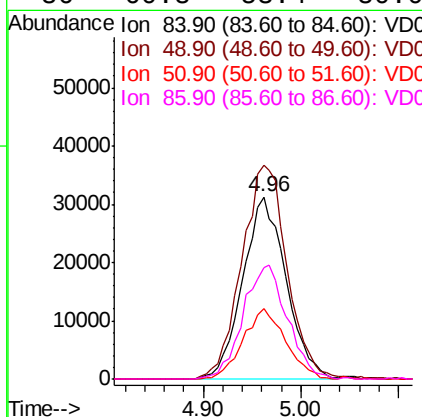
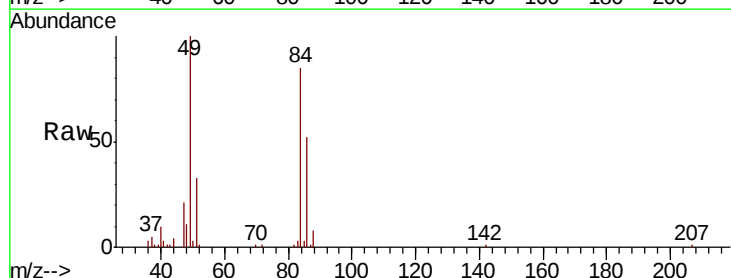
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

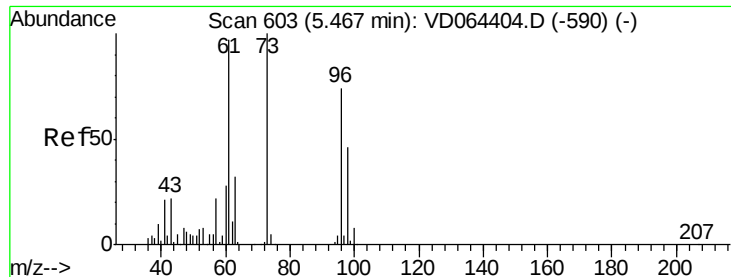
Tot Ion: 73 Resp: 187041
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4



#20
Methylene Chloride
Concen: 18.176 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 84 Resp: 96941
Ion Ratio Lower Upper
84 100
49 117.3 102.6 153.8
51 39.0 32.0 48.0
86 60.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.195 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

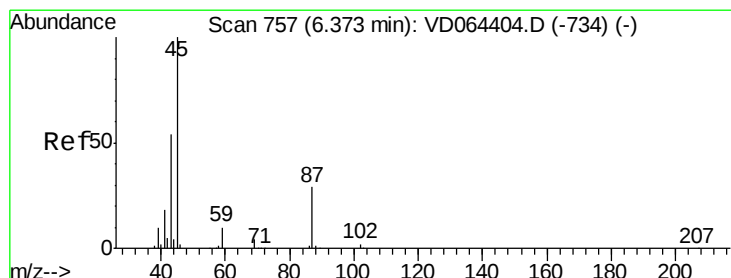
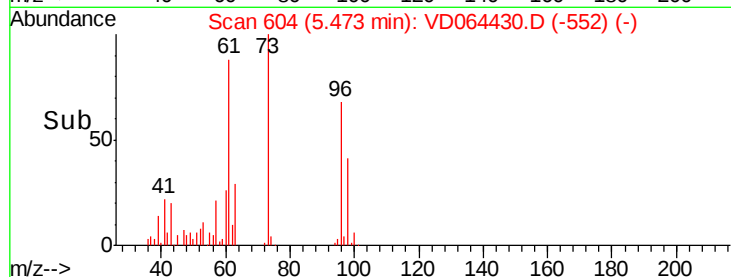
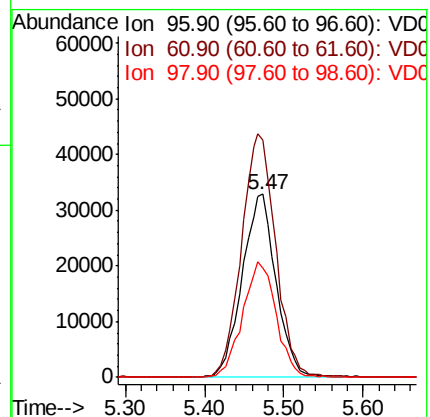
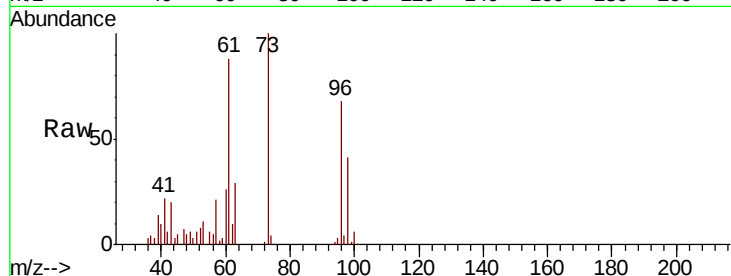
Tot Ion: 96 Resp: 97177

Ion Ratio Lower Upper

96 100

61 129.7 105.8 158.6

98 60.0 50.1 75.1



#22

Diisopropyl ether

Concen: 18.563 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion: 45 Resp: 255962

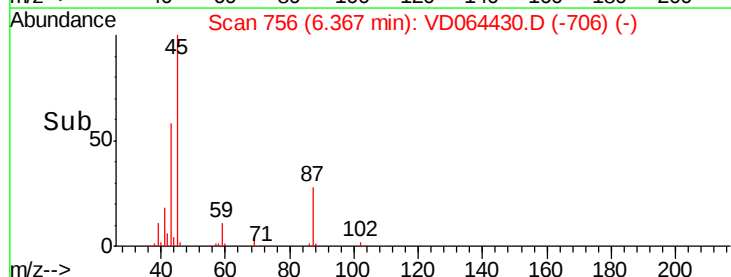
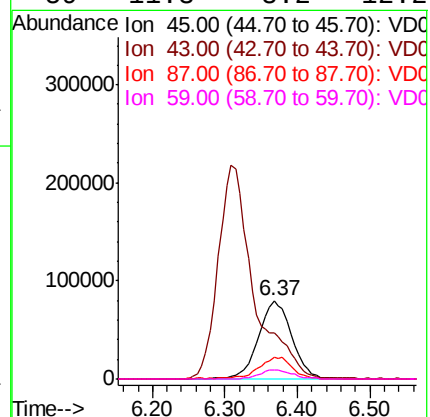
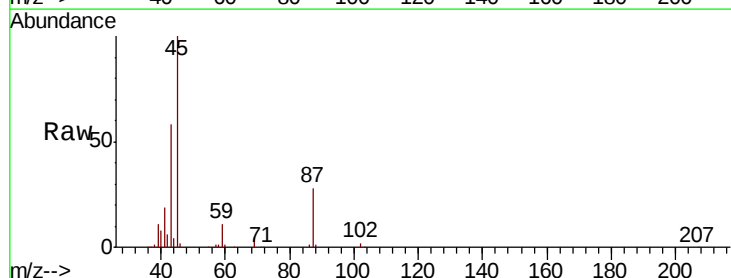
Ion Ratio Lower Upper

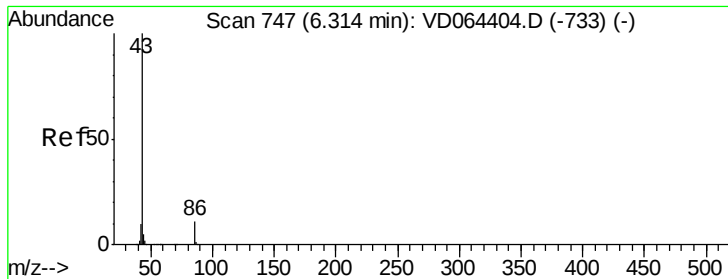
45 100

43 57.5 43.1 64.7

87 27.5 23.5 35.3

59 11.3 8.2 12.2





#23

Vinyl Acetate

Concen: 91.653 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

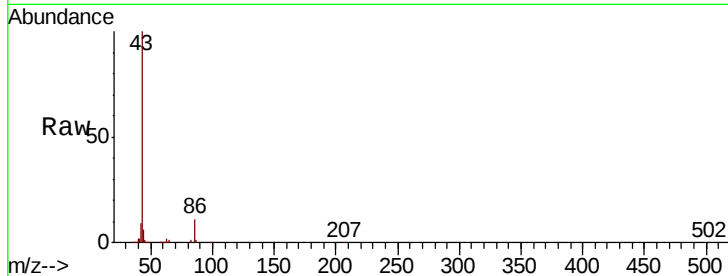
VD1205SBSD01

Tot Ion: 43 Resp: 745039

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

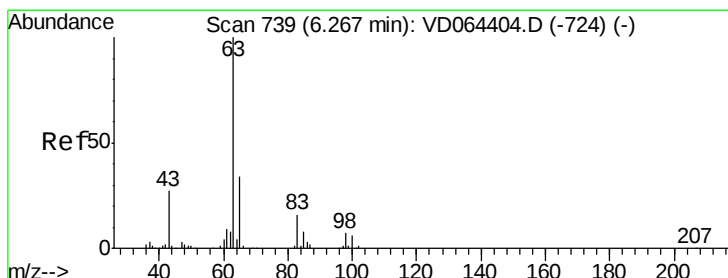
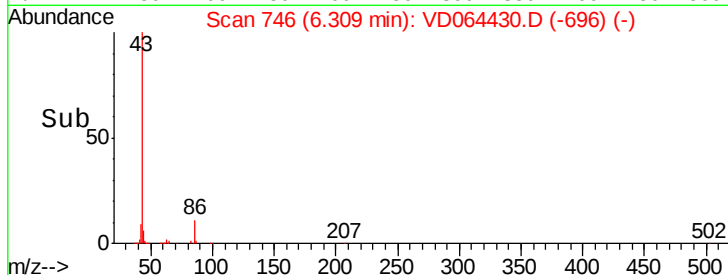
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

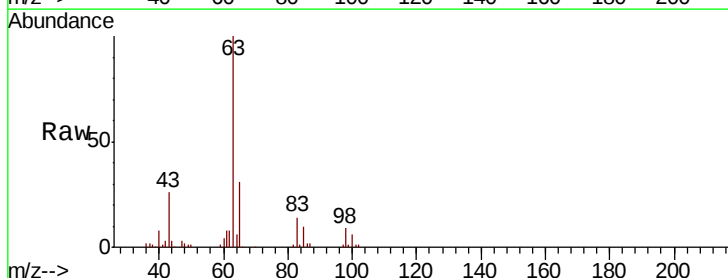
Tgt Ion: 63 Resp: 159485

Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.9

100 5.6 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

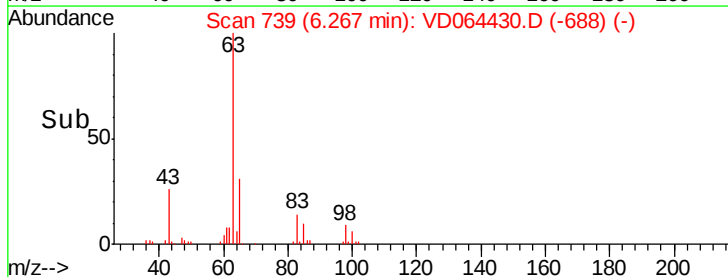
60000

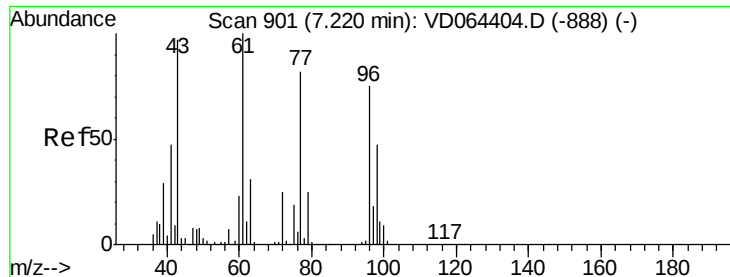
40000

20000

0

Time-->





#25

2-Butanone

Concen: 93.835 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

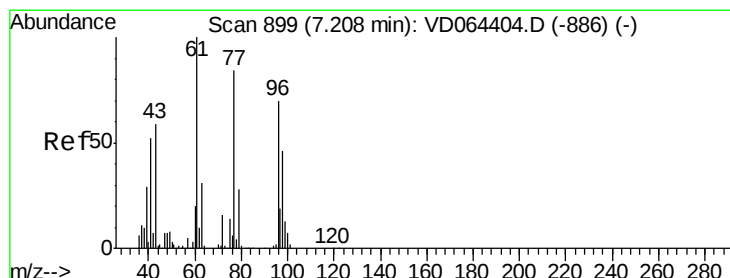
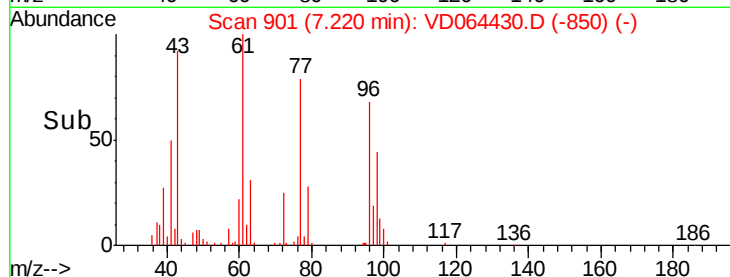
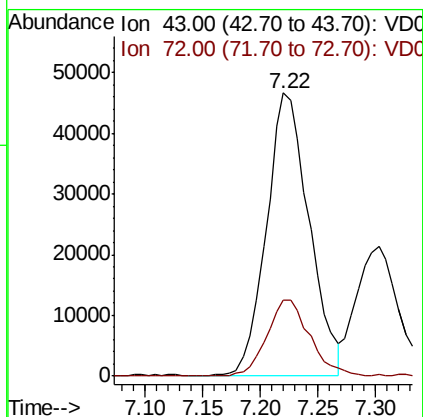
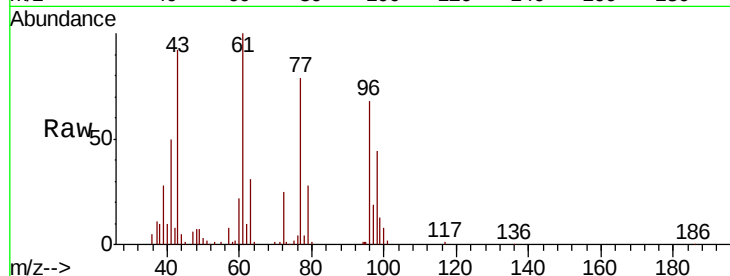
VD1205SBSD01

Tot Ion: 43 Resp: 120525

Ion Ratio Lower Upper

43 100

72 26.8 21.0 31.4



#26

2,2-Dichloropropane

Concen: 19.665 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064430.D

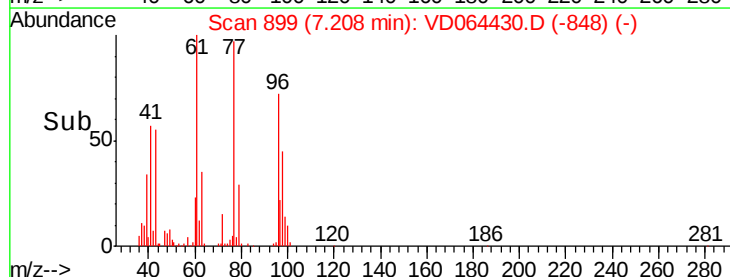
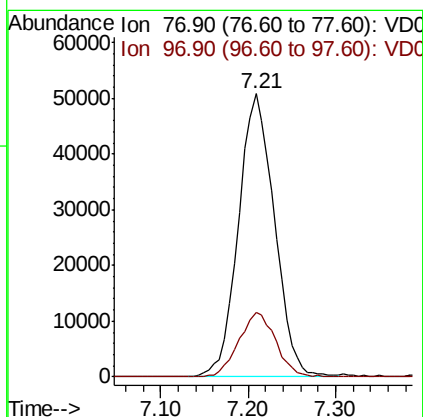
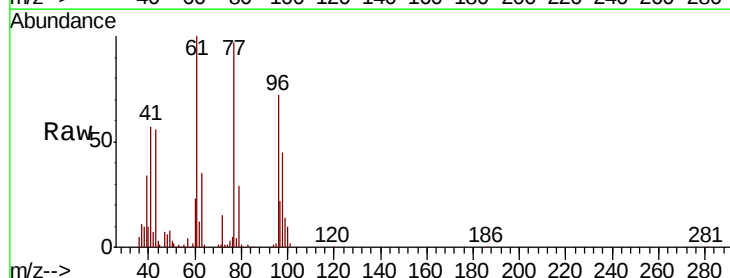
Acq: 05 Dec 2019 12:14

Tgt Ion: 77 Resp: 141813

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7



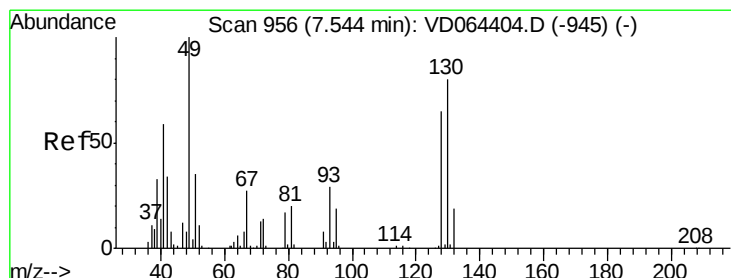
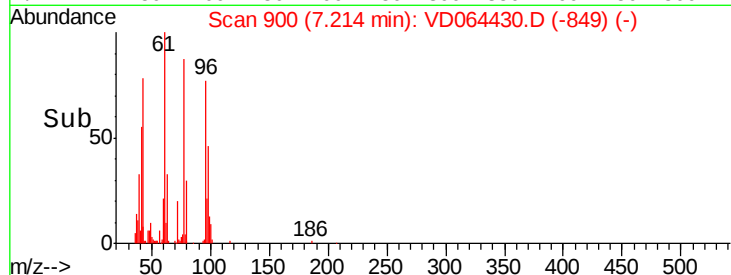
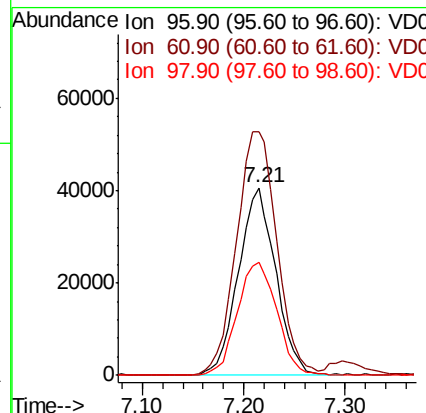
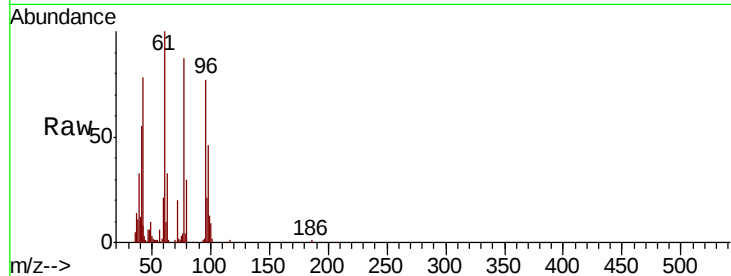


#27

cis-1,2-Dichloroethene
 Concen: 18.840 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

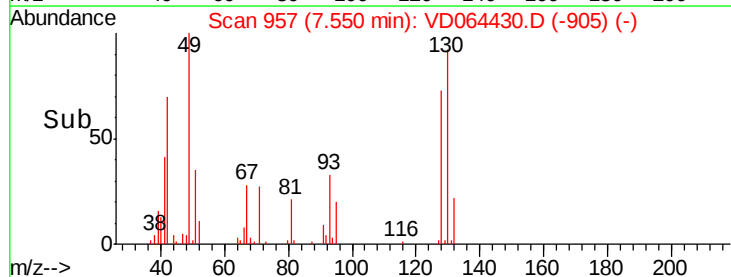
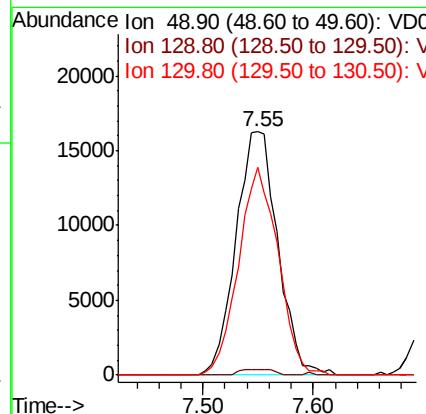
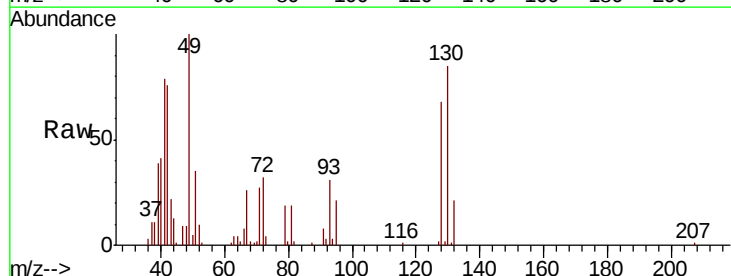
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	279.6
98	63.7	0.0	129.2

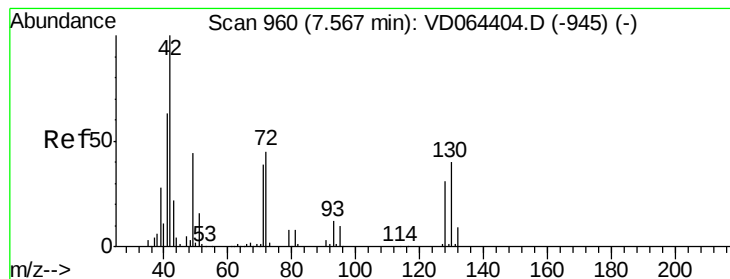


#28

Bromochloromethane
 Concen: 15.254 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	81.2	67.4	101.0





#29

Tetrahydrofuran

Concen: 94.897 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

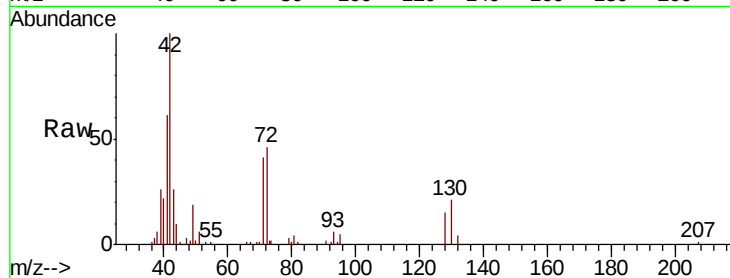
Tot Ion: 42 Resp: 77548

Ion Ratio Lower Upper

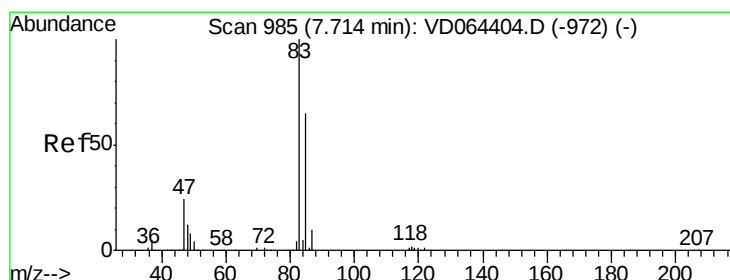
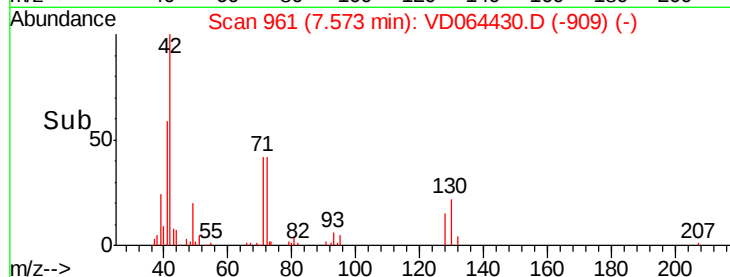
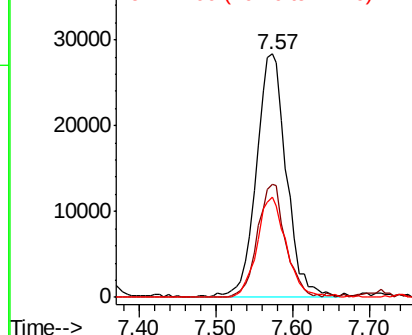
42 100

72 43.2 35.8 53.8

71 40.0 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: 19.171 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064430.D

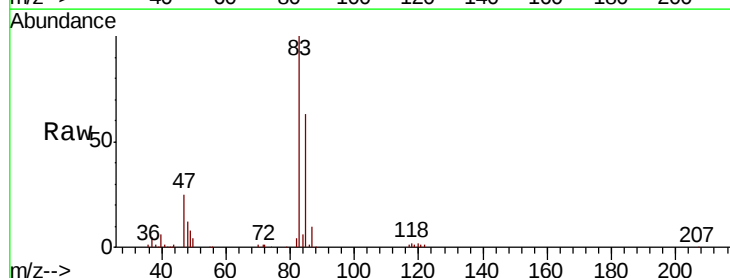
Acq: 05 Dec 2019 12:14

Tgt Ion: 83 Resp: 164643

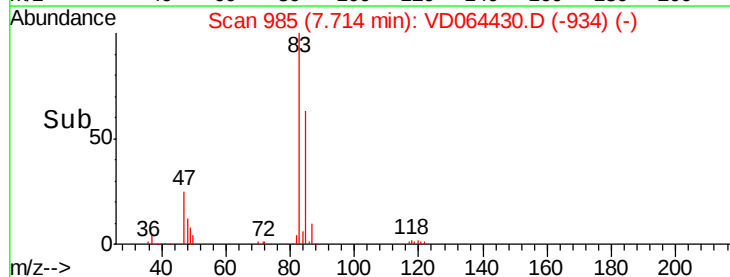
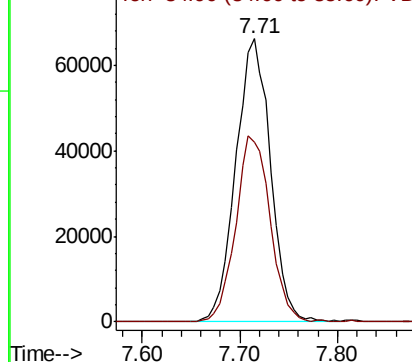
Ion Ratio Lower Upper

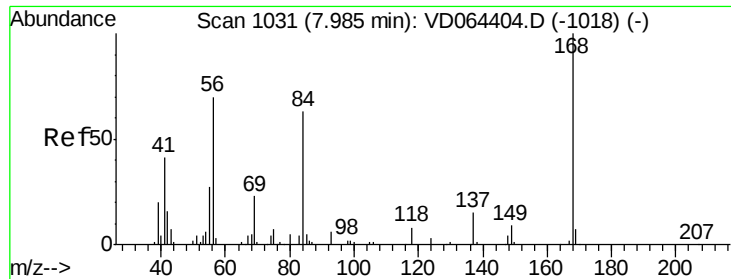
83 100

85 63.3 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: 19.368 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleID :

VD1205SBS01

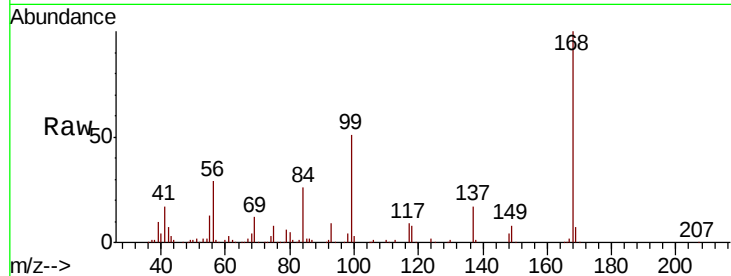
Tot Ion: 56 Resp: 160566

Ion Ratio Lower Upper

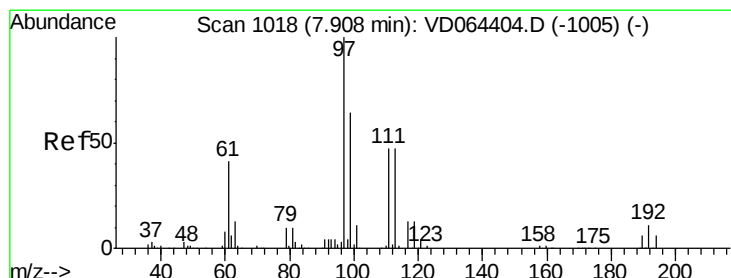
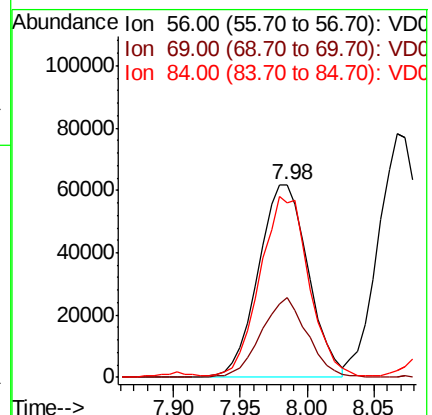
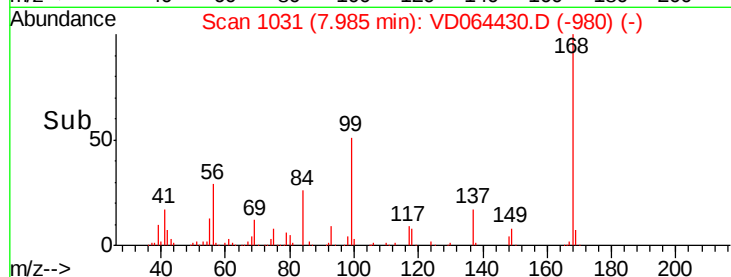
56 100

69 41.2 26.2 39.4#

84 89.0 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 19.121 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

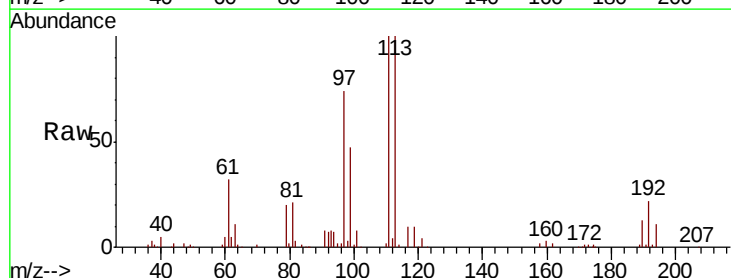
Tgt Ion: 97 Resp: 152239

Ion Ratio Lower Upper

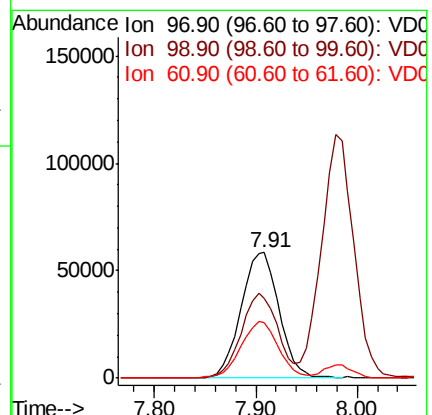
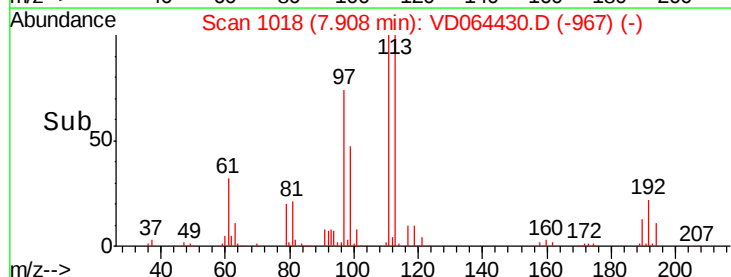
97 100

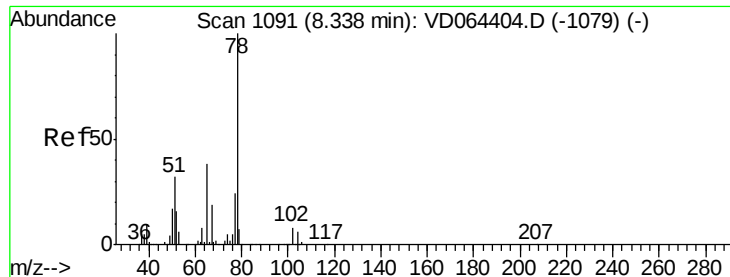
99 64.8 51.4 77.2

61 44.5 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: 47.111 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

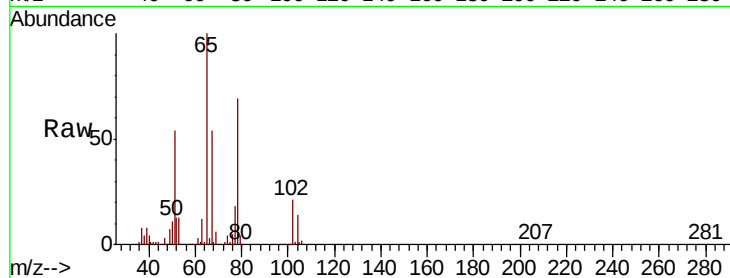
VD1205SBSD01

Tot Ion: 65 Resp: 211738

Ion Ratio Lower Upper

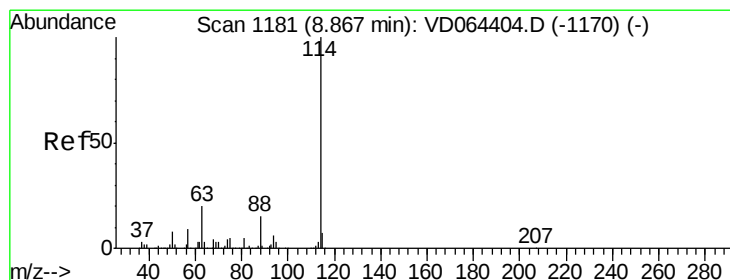
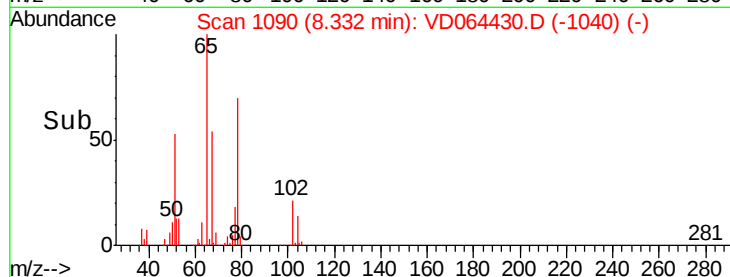
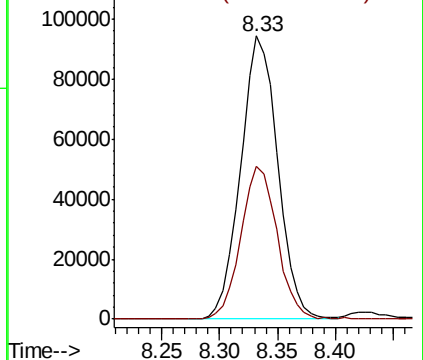
65 100

67 52.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

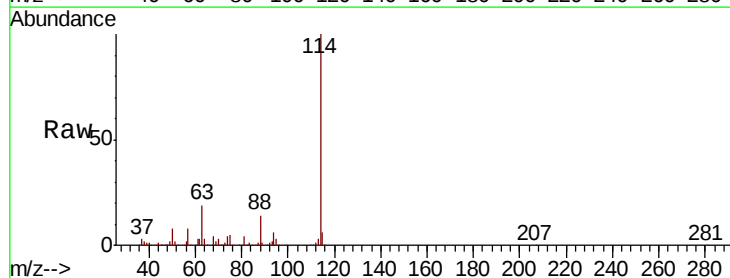
Tgt Ion: 114 Resp: 713290

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

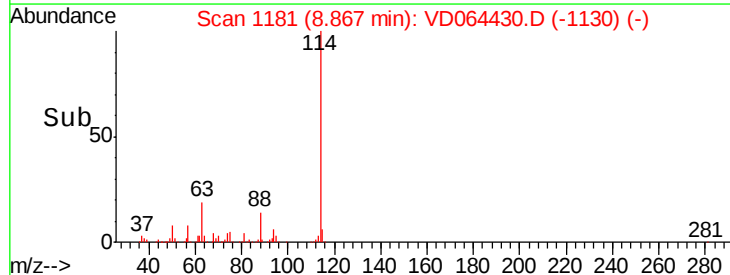
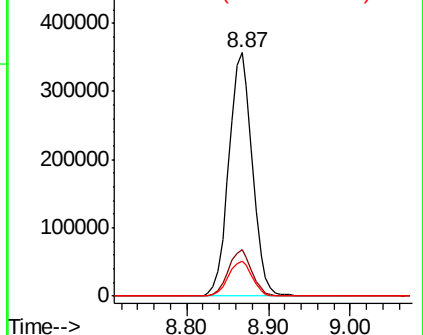
88 14.1 0.0 29.2

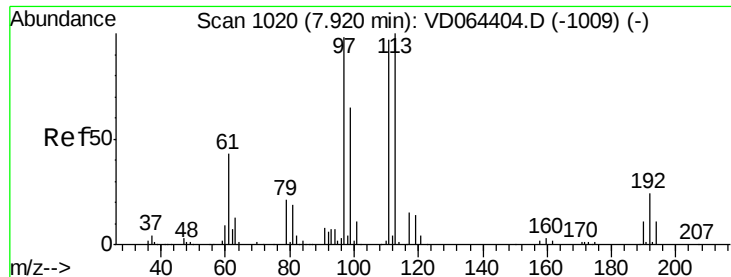


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

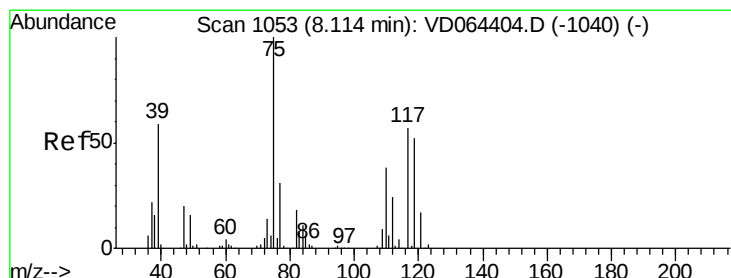
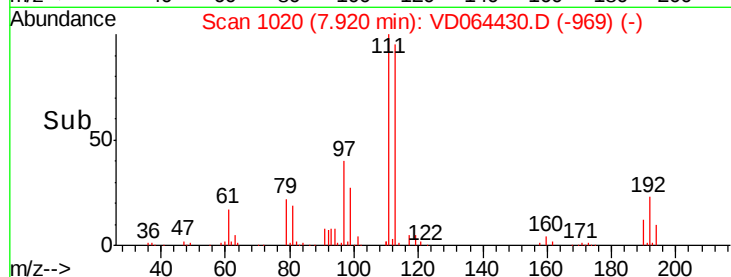
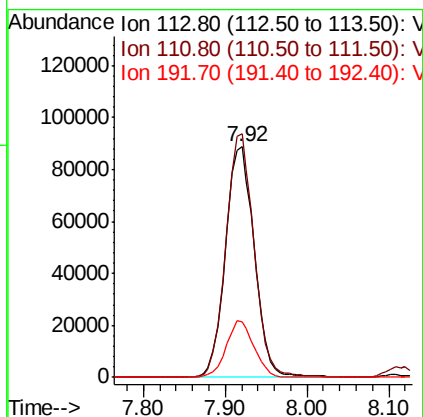
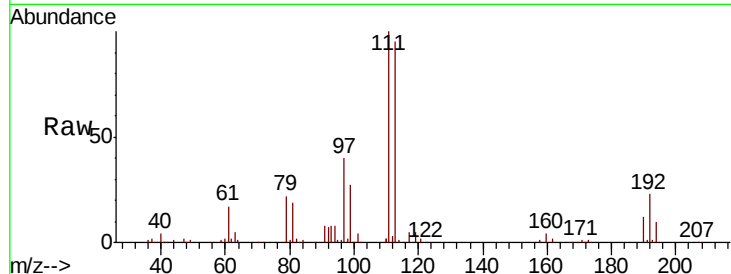




#35
 Dibromofluoromethane
 Concen: 48.594 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

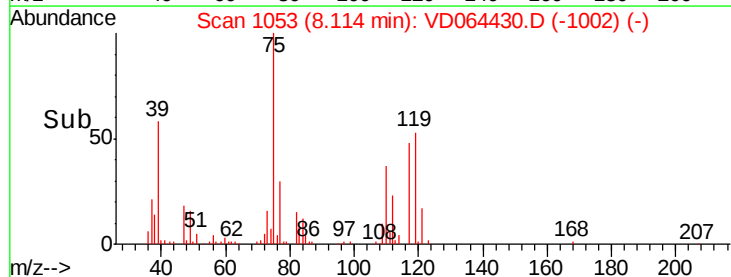
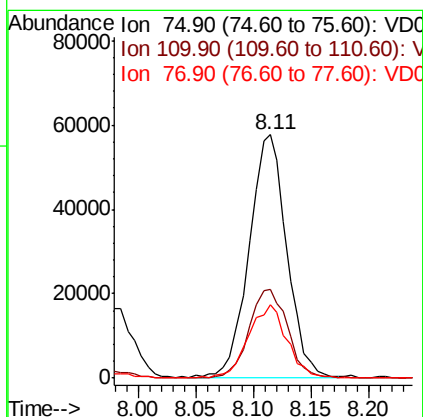
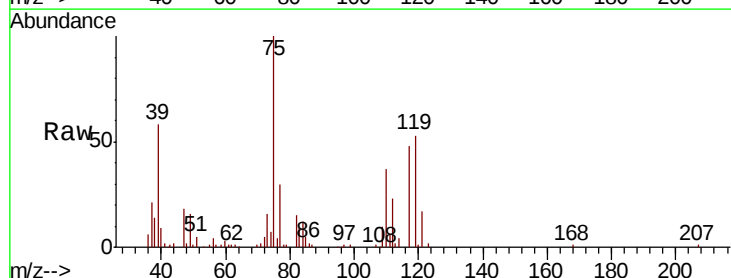
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

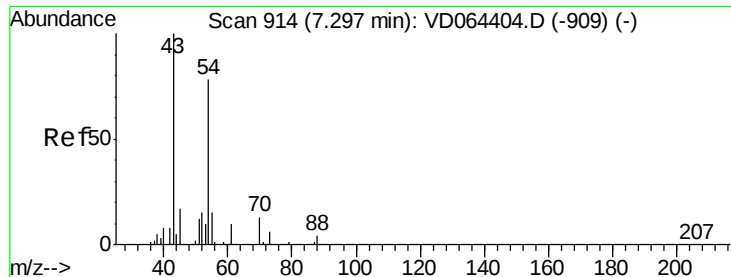
Tot Ion:113 Resp: 218386
 Ion Ratio Lower Upper
 113 100
 111 102.8 79.4 119.2
 192 23.5 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 19.274 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 75 Resp: 130039
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.6 55.8
 77 31.2 25.0 37.4

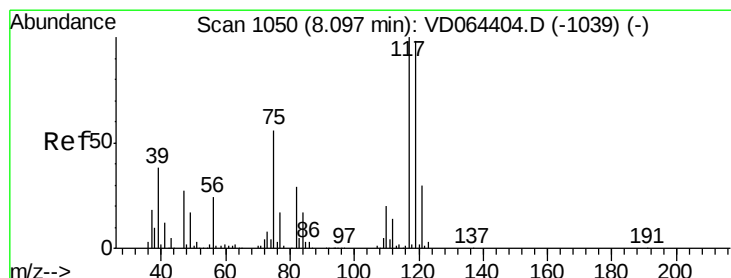
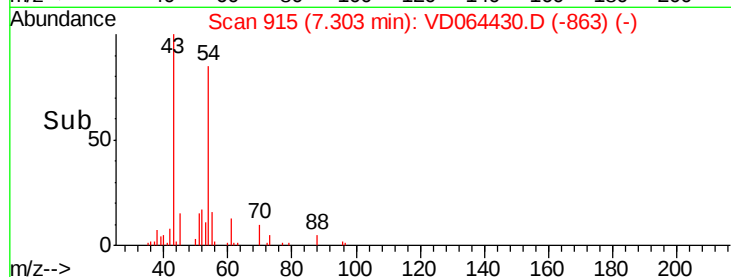
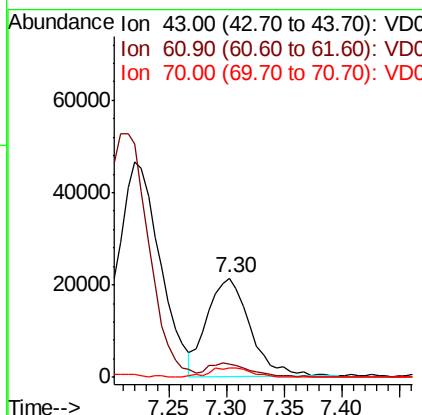
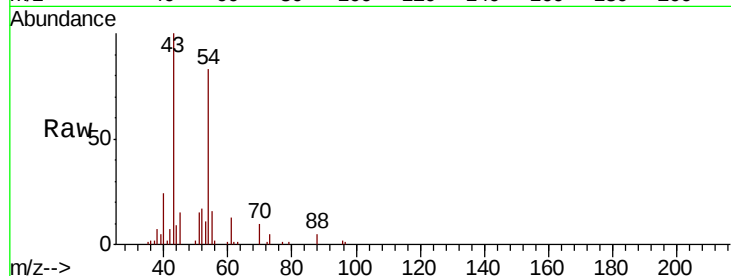




#37
Ethyl Acetate
Concen: 19.149 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

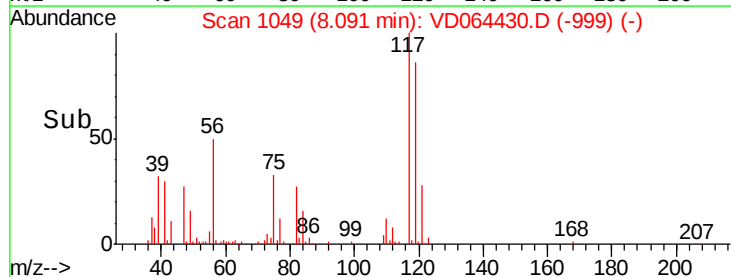
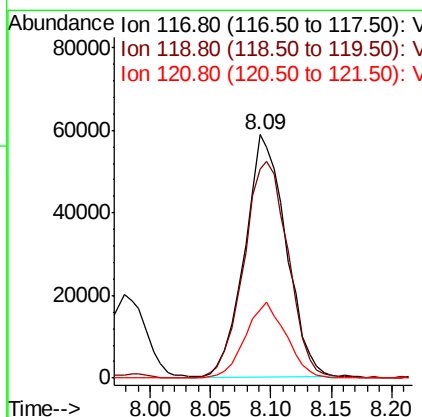
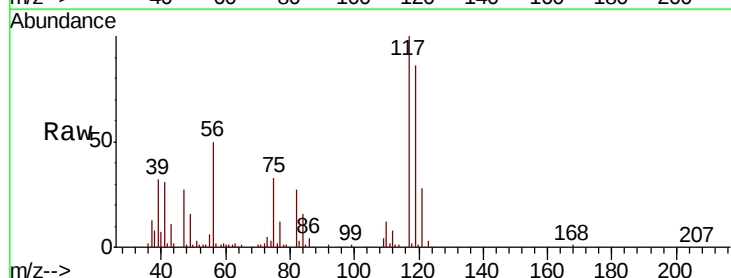
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

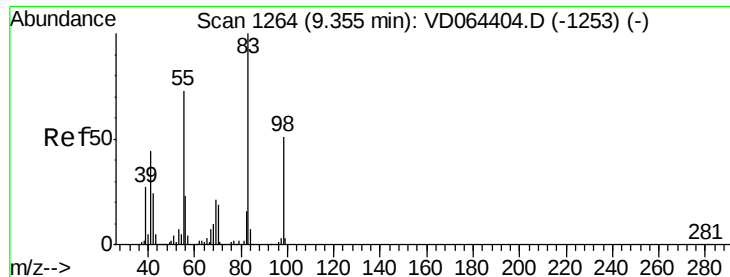
Tot Ion: 43 Resp: 54820
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 10.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.605 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 117 Resp: 139603
Ion Ratio Lower Upper
117 100
119 86.3 78.8 118.2
121 28.3 24.2 36.2

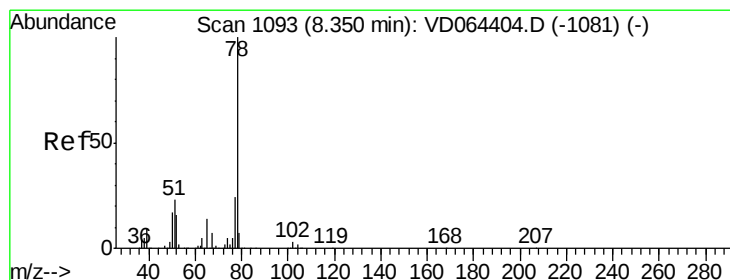
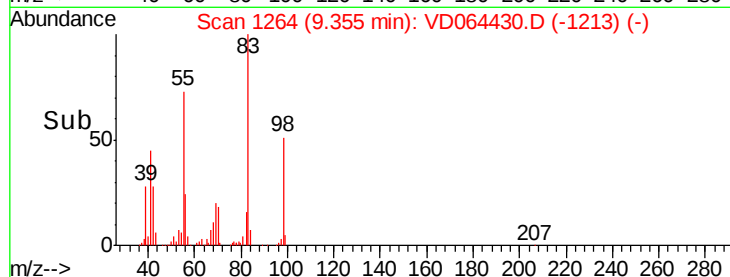
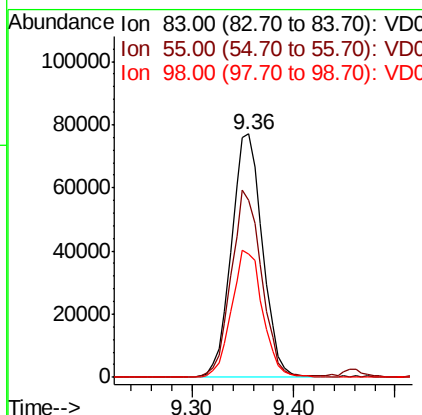
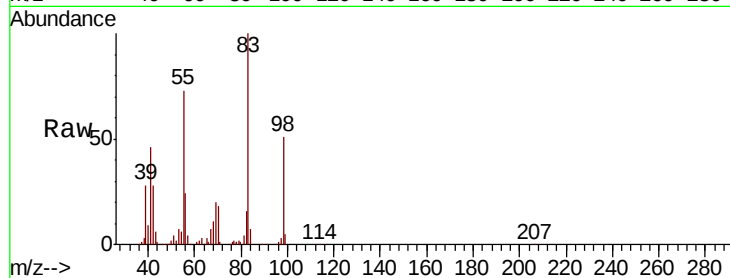




#39
Methvlcvclohexane
Concen: 19.568 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

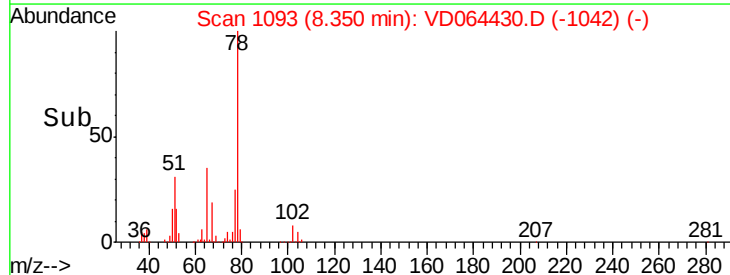
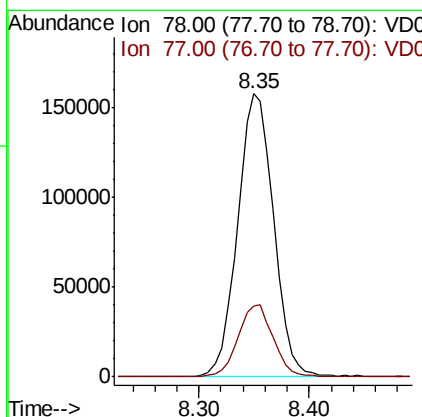
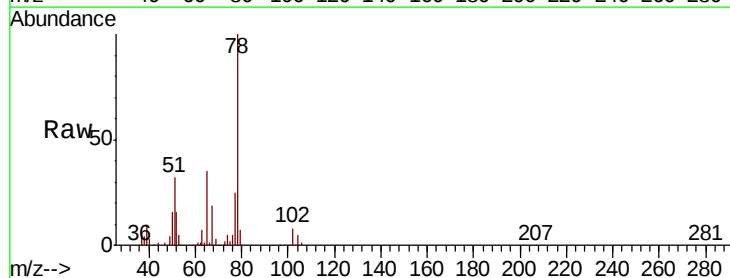
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

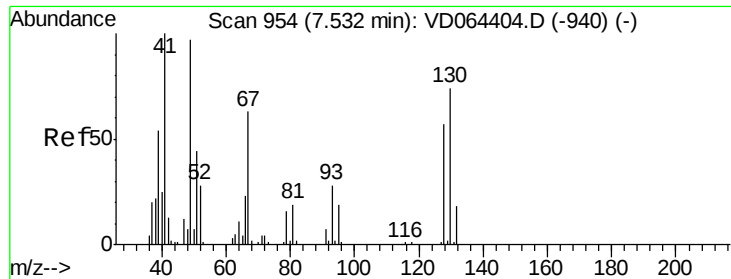
Tot Ion: 83 Resp: 163769
Ion Ratio Lower Upper
83 100
55 72.7 58.6 87.8
98 50.8 40.9 61.3



#40
Benzene
Concen: 19.231 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 78 Resp: 360369
Ion Ratio Lower Upper
78 100
77 25.2 19.6 29.4

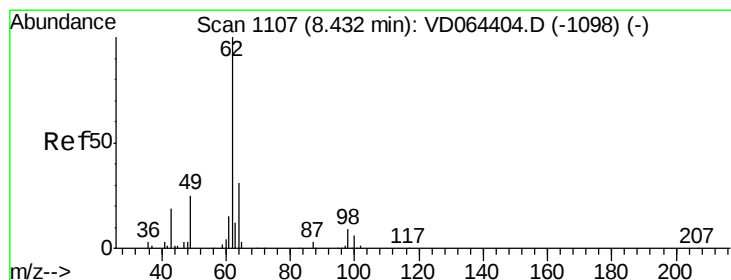
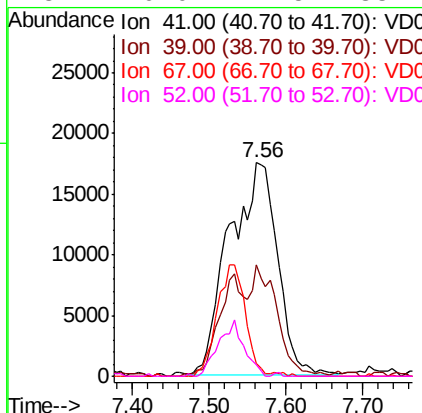
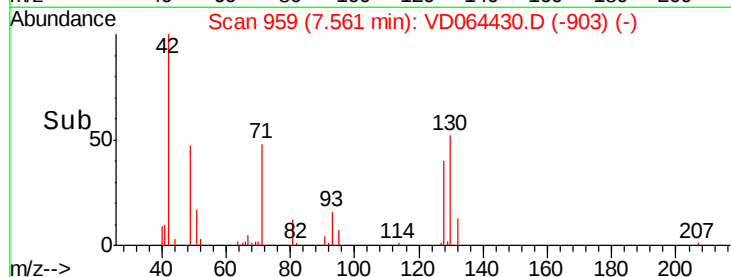
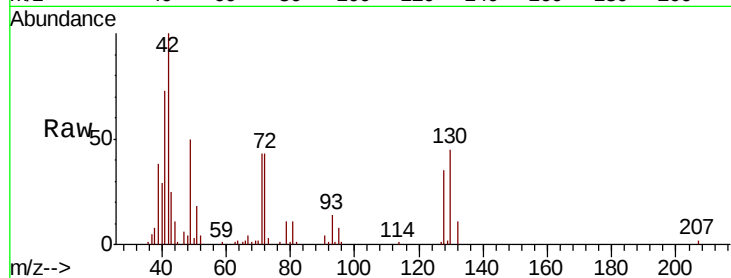




#41
Methacrylonitrile
Concen: 45.994 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

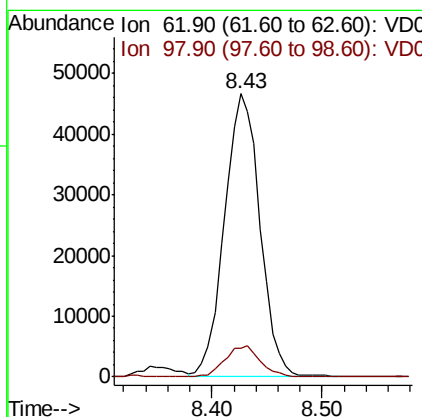
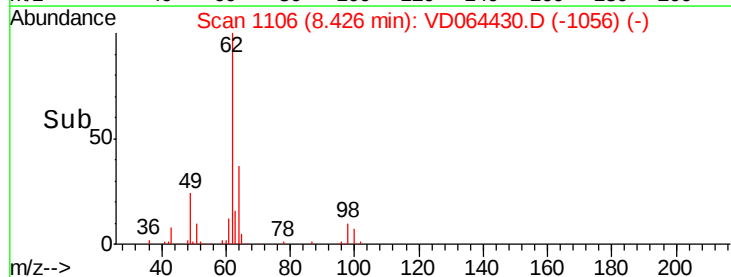
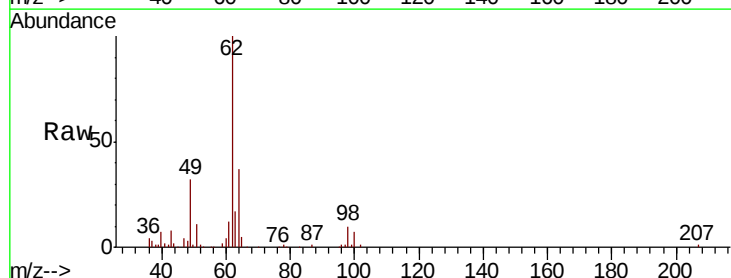
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

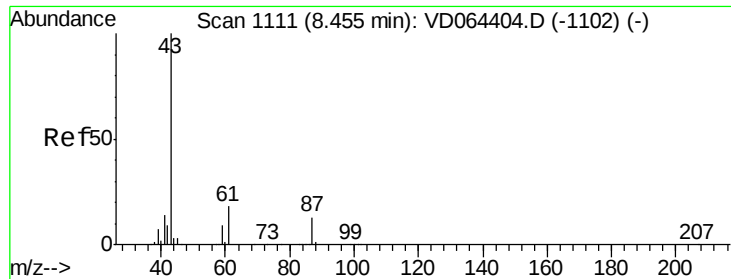
Tot Ion: 41 Resp: 75511
Ion Ratio Lower Upper
41 100
39 27.0 44.6 67.0#
67 0.0 50.9 76.3#
52 0.0 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 19.252 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 62 Resp: 105206
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.6

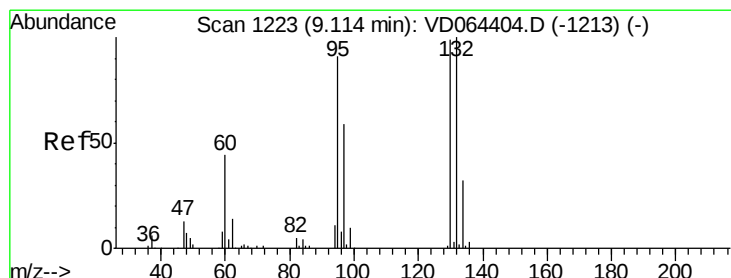
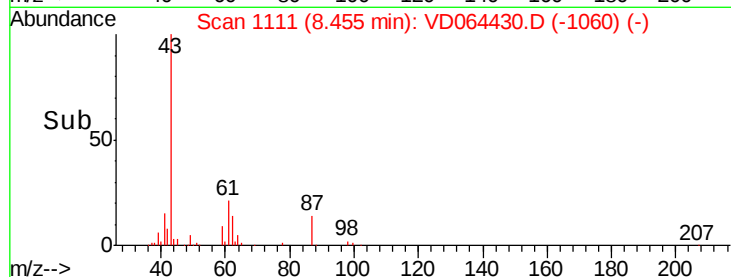
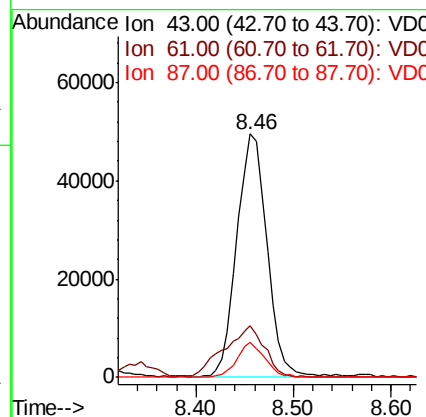
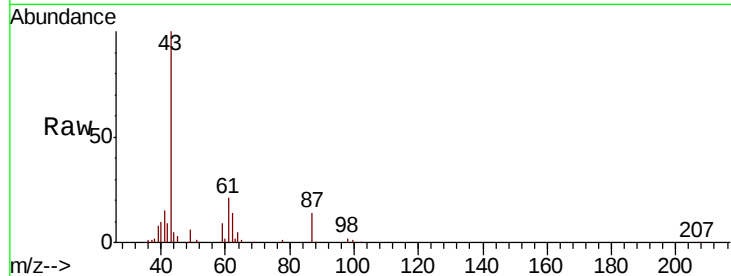




#43
Isopropyl Acetate
Concen: 19.179 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

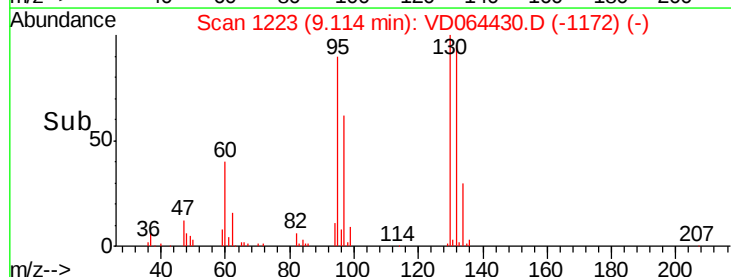
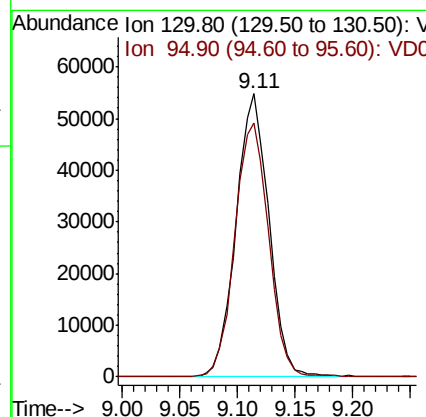
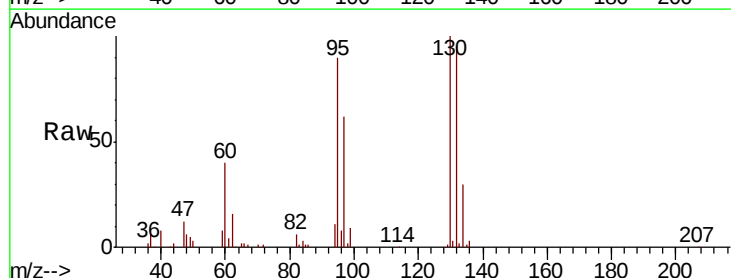
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

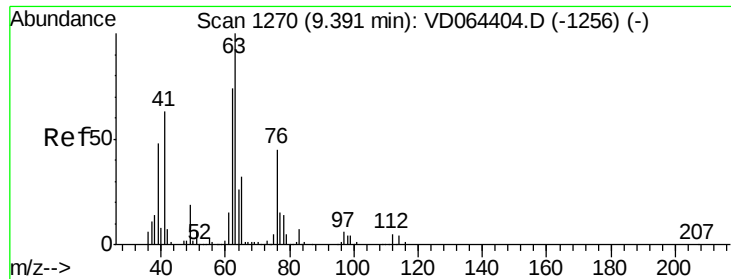
Tot Ion: 43 Resp: 107952
Ion Ratio Lower Upper
43 100
61 28.2 24.0 36.0
87 13.3 10.6 15.8



#44
Trichloroethene
Concen: 19.132 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 130 Resp: 107990
Ion Ratio Lower Upper
130 100
95 89.9 0.0 184.6





#45

1,2-Dichloropropane

Concen: 19.083 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

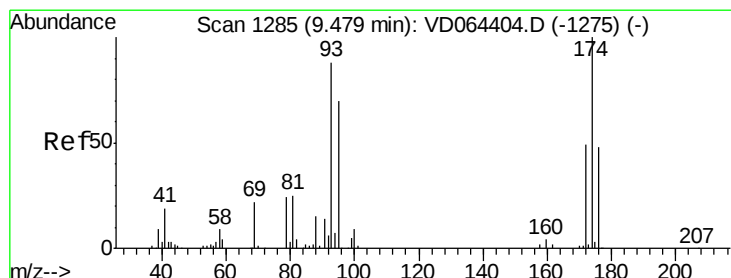
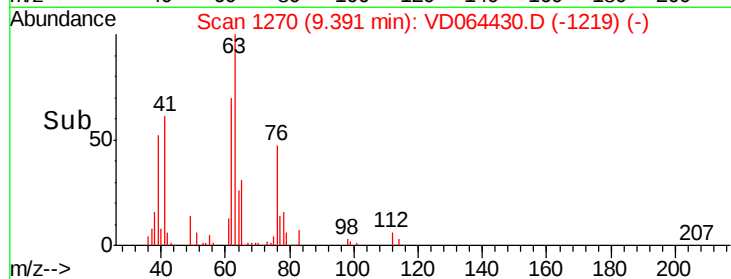
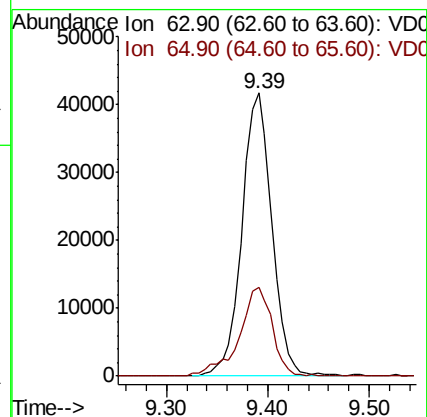
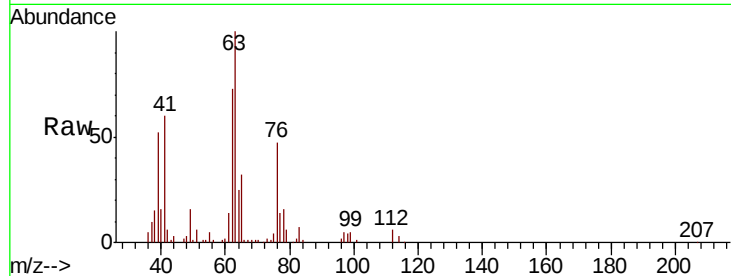
VD1205SBS01

Tot Ion: 63 Resp: 85519

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.0



#46

Dibromomethane

Concen: 18.969 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

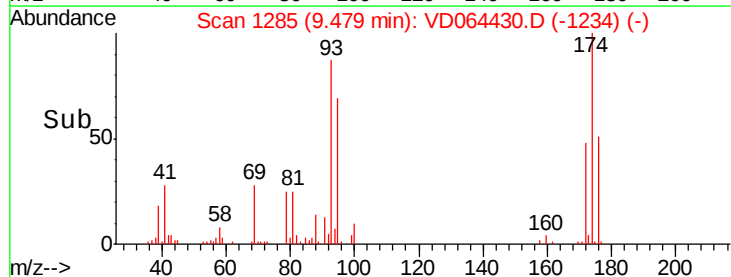
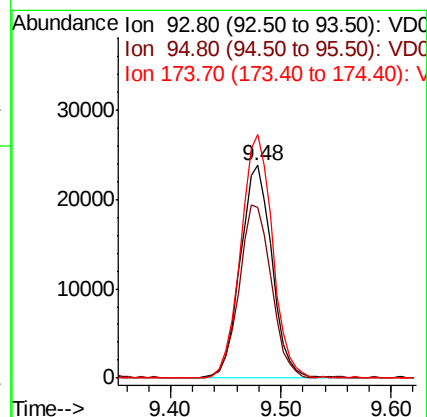
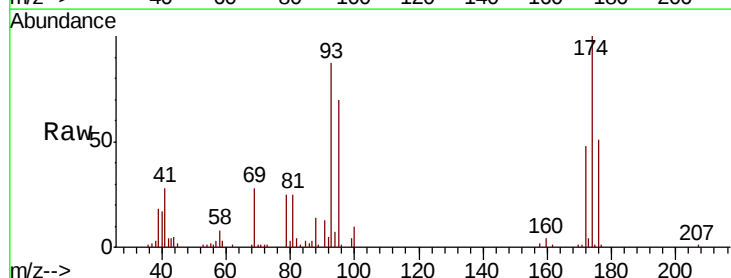
Tgt Ion: 93 Resp: 47979

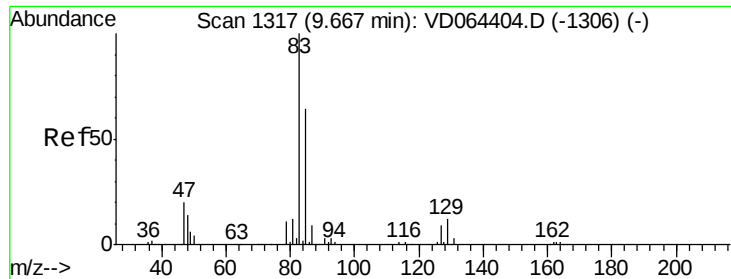
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 115.0 92.3 138.5





#47

Bromodichloromethane

Concen: 18.854 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

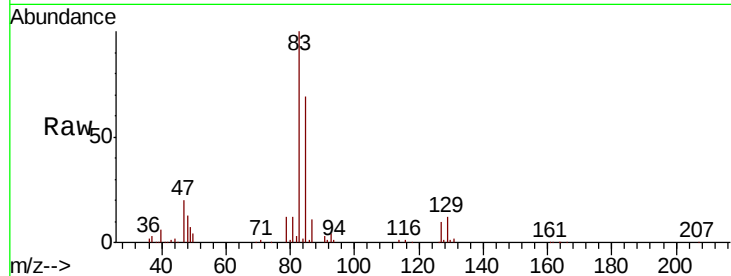
Tot Ion: 83 Resp: 122536

Ion Ratio Lower Upper

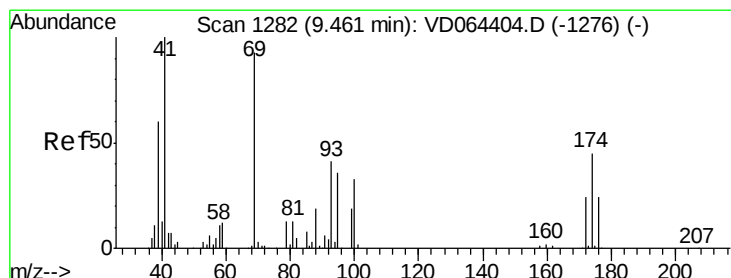
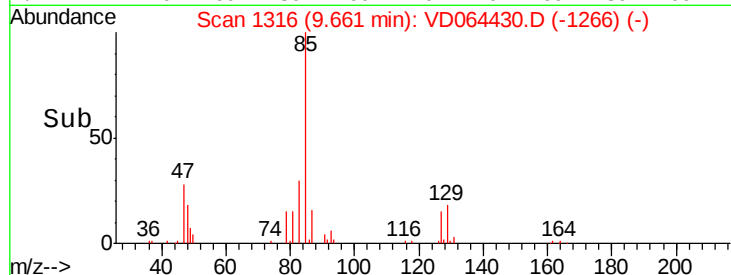
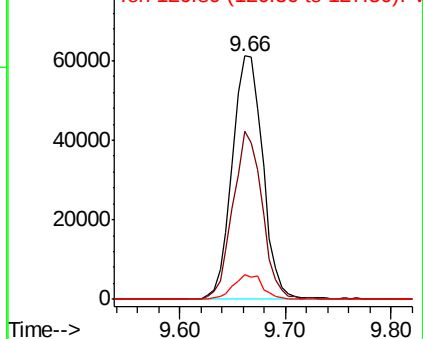
83 100

85 68.9 51.1 76.7

127 10.0 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): V



#48

Methyl methacrylate

Concen: 18.898 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

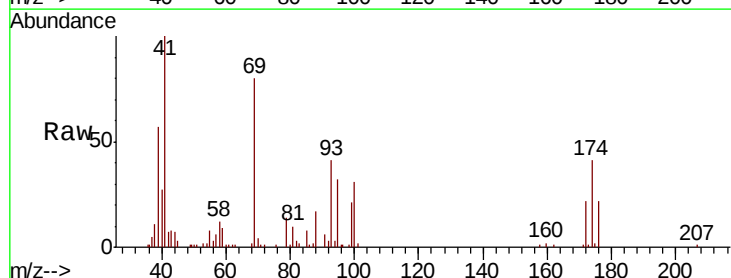
Tgt Ion: 41 Resp: 48676

Ion Ratio Lower Upper

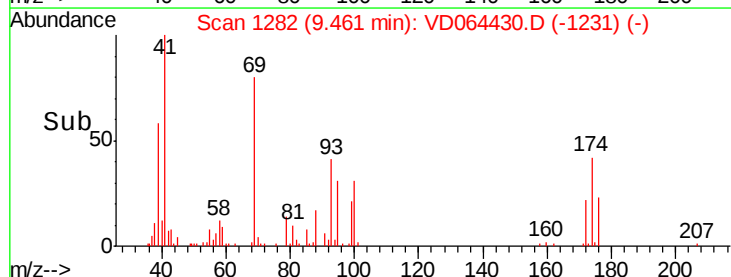
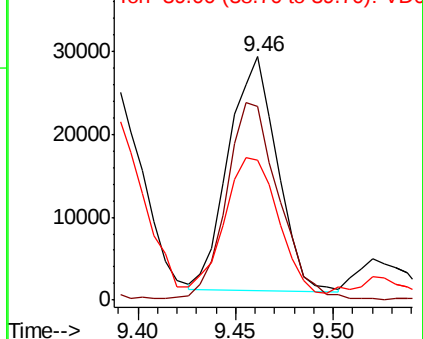
41 100

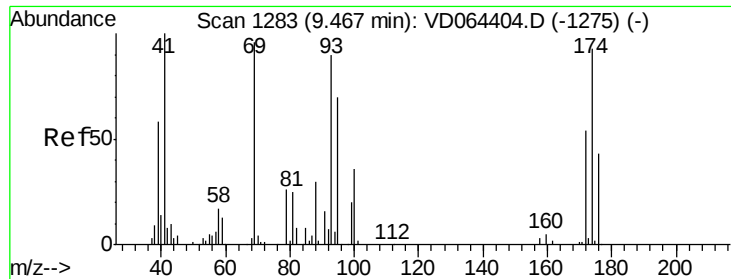
69 91.6 72.0 108.0

39 63.4 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: 354.586 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

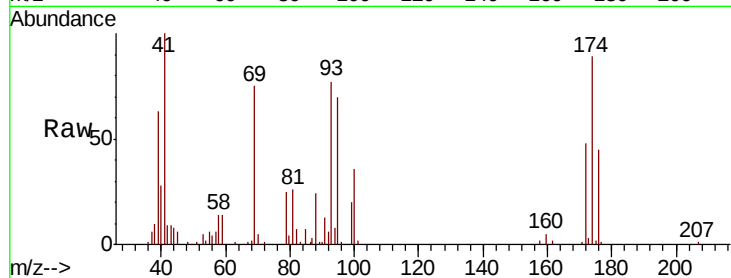
Tot Ion: 88 Resp: 11075

Ion Ratio Lower Upper

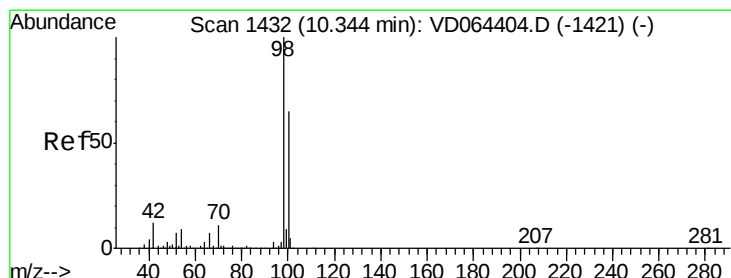
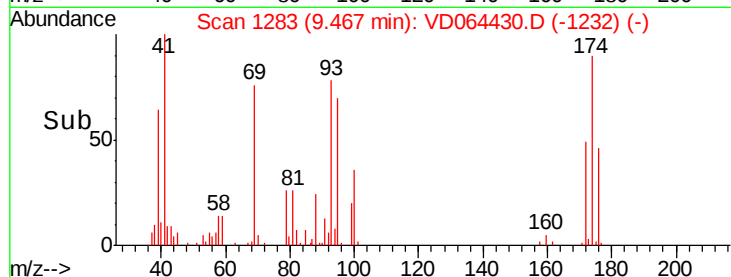
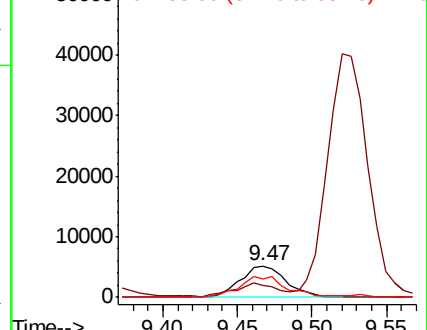
88 100

43 37.5 26.7 40.1

58 68.5 52.3 78.5



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



#50

Toluene-d8

Concen: 48.626 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064430.D

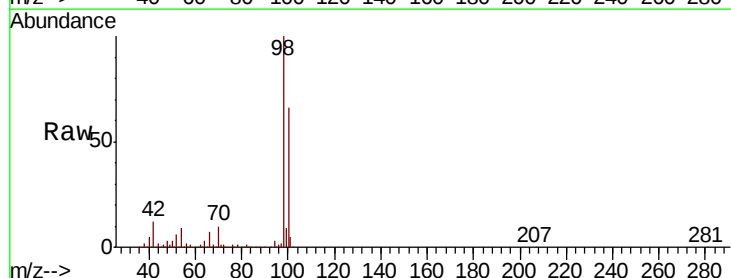
Acq: 05 Dec 2019 12:14

Tgt Ion: 98 Resp: 823168

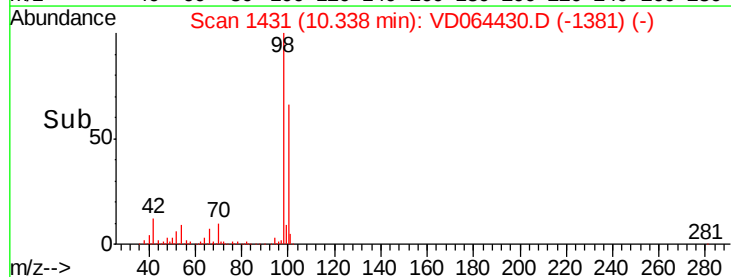
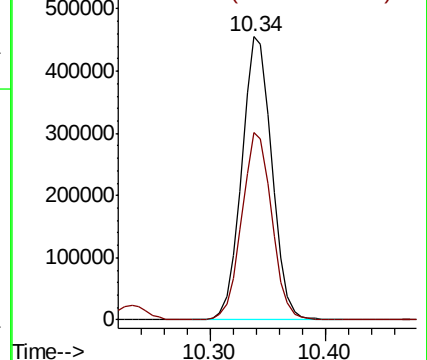
Ion Ratio Lower Upper

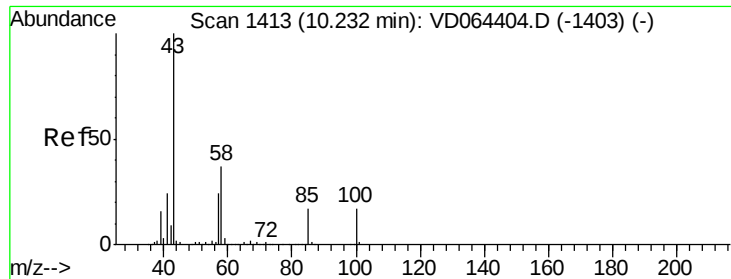
98 100

100 65.9 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: 94.281 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

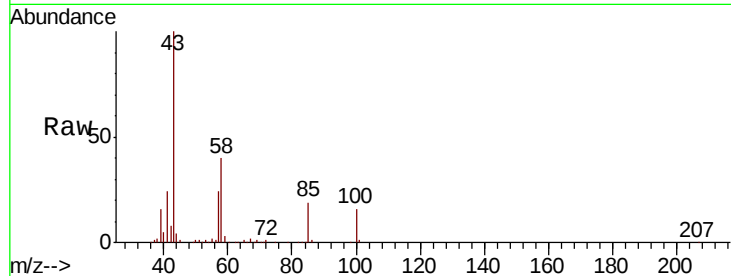
VD1205SBS01

Tot Ion: 43 Resp: 262578

Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

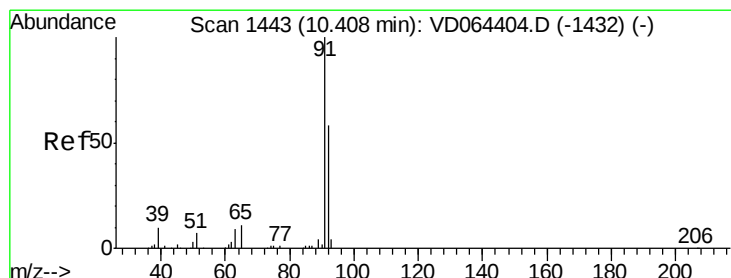
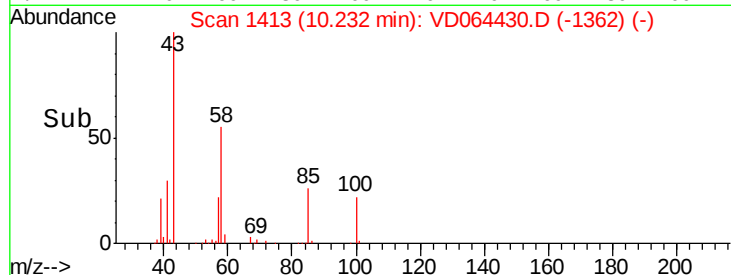
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.047 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064430.D

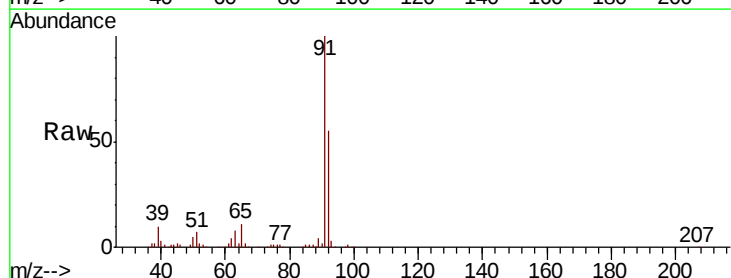
Acq: 05 Dec 2019 12:14

Tgt Ion: 92 Resp: 232608

Ion Ratio Lower Upper

92 100

91 174.9 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

250000

200000

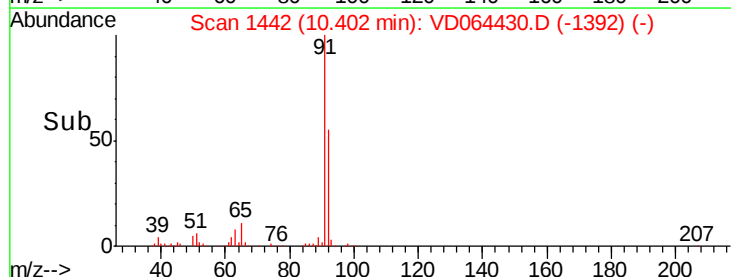
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.097 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

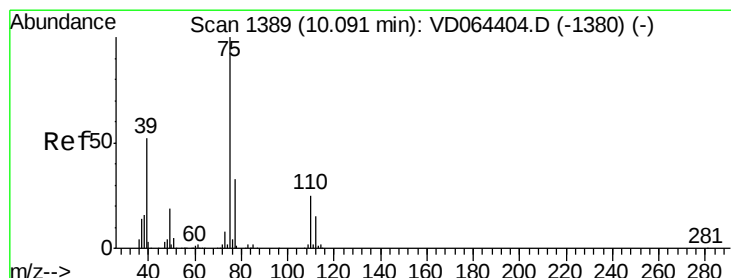
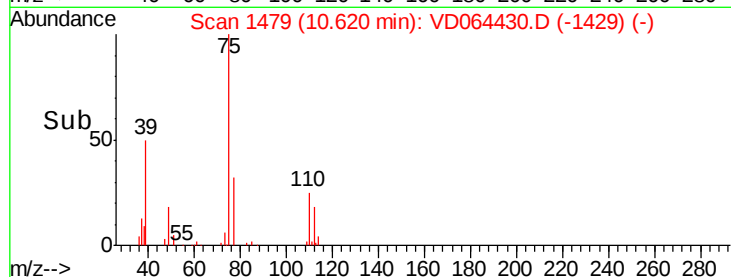
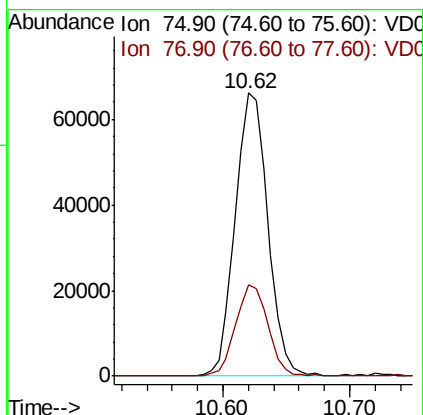
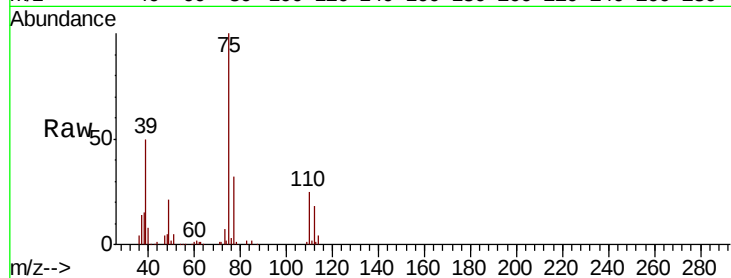
VD1205SBS01

Tot Ion: 75 Resp: 118285

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.068 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

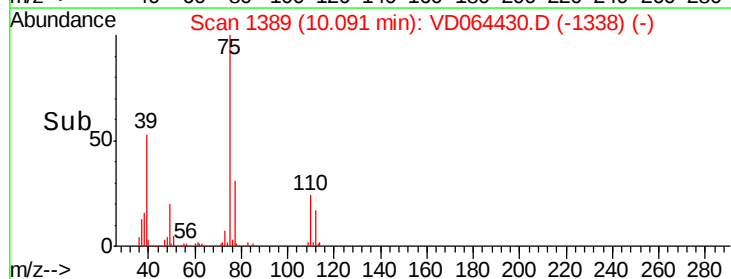
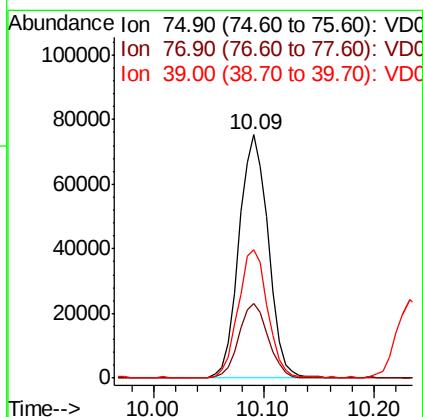
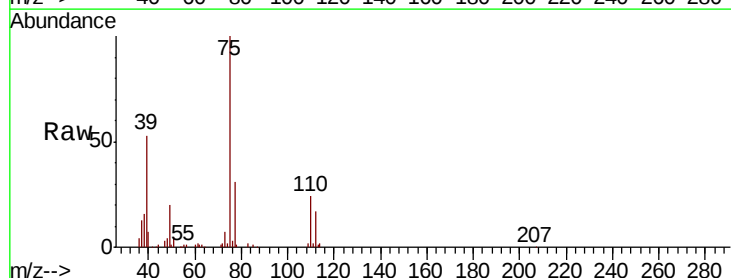
Tgt Ion: 75 Resp: 140302

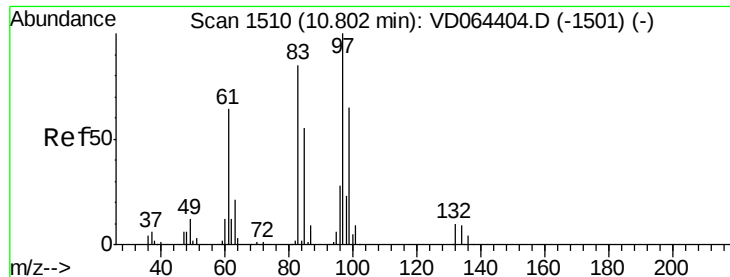
Ion Ratio Lower Upper

75 100

77 30.7 26.1 39.1

39 53.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 18.883 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

Tot Ion: 97 Resp: 65399

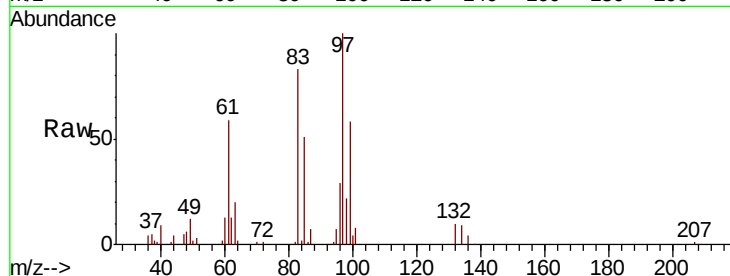
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.8	101.8
85	50.6	43.7	65.5
99	58.0	51.7	77.5

97 100

83 83.1 67.8 101.8

85 50.6 43.7 65.5

99 58.0 51.7 77.5



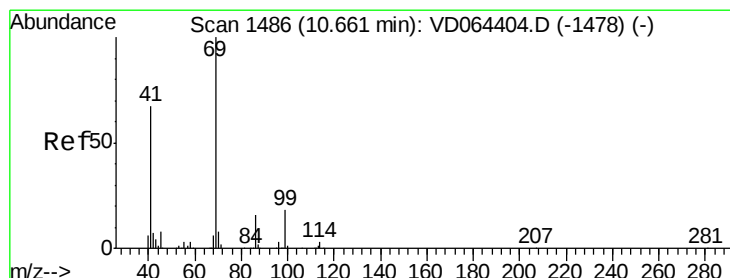
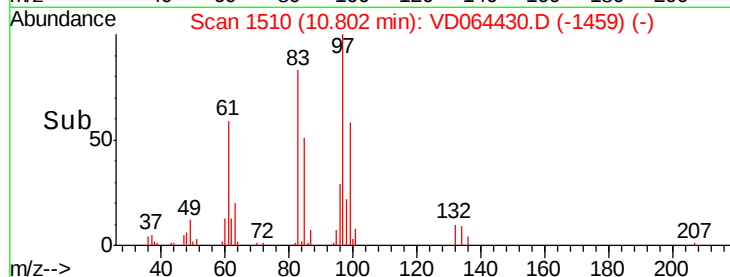
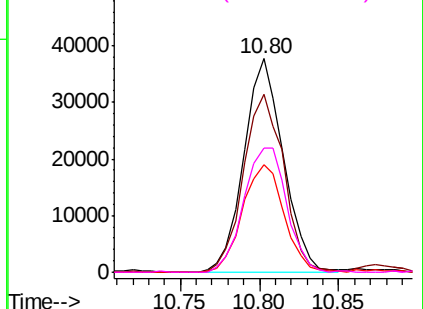
Abundance

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: 18.572 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

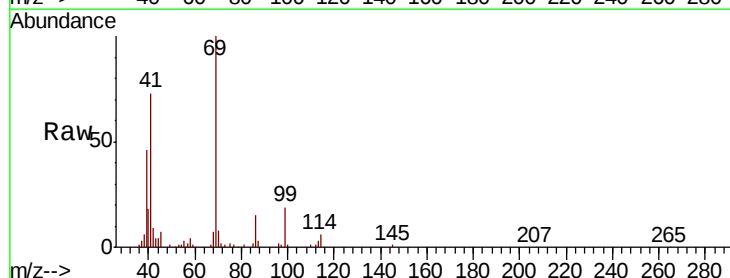
Tgt Ion: 69 Resp: 82041

Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	41.9	33.0	49.6

69 100

41 68.1 55.0 82.4

39 41.9 33.0 49.6

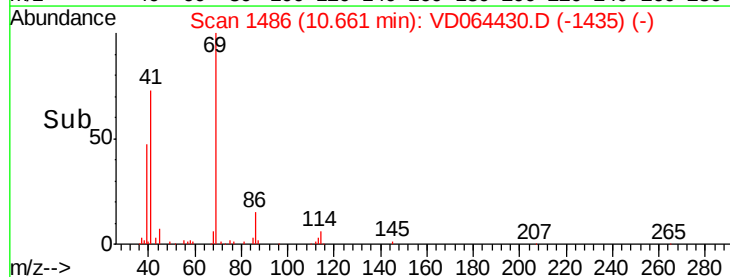
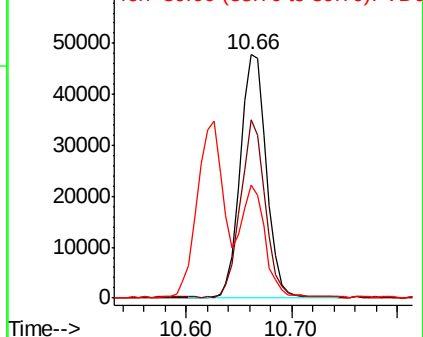


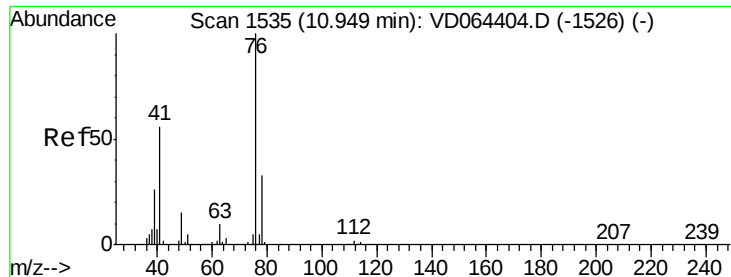
Abundance

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

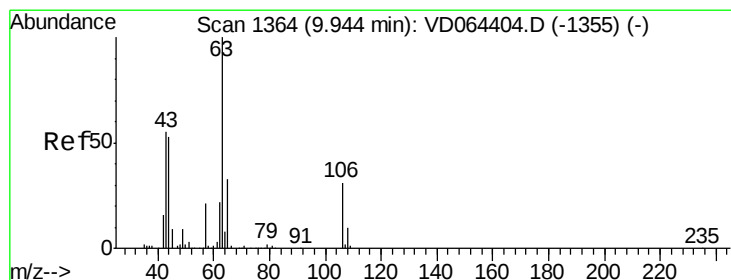
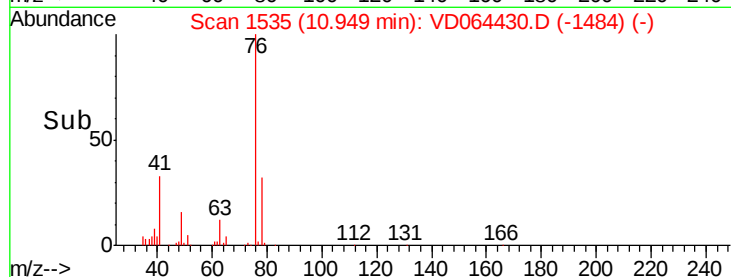
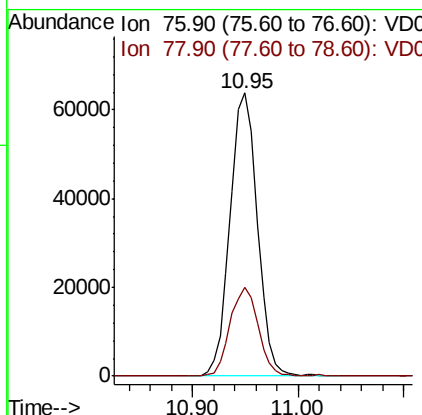
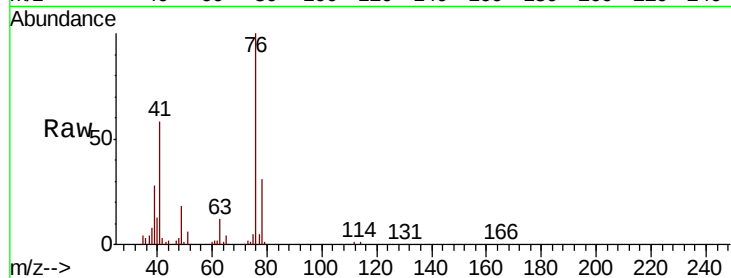




#57
 1,3-Dichloropropane
 Concen: 19.354 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

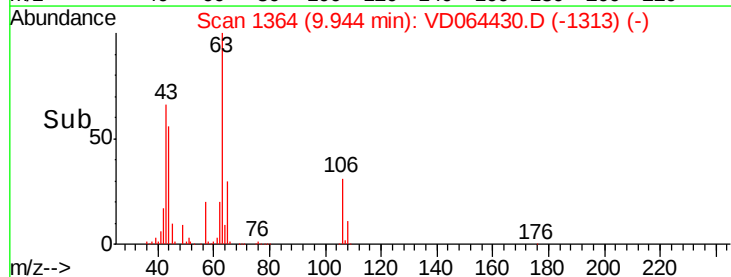
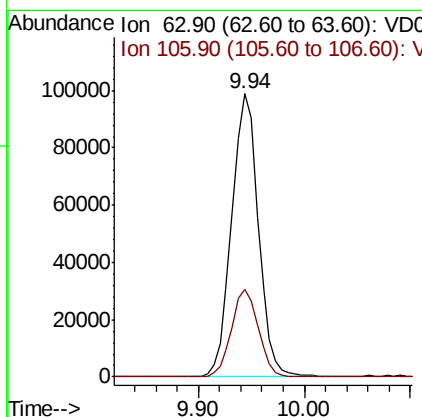
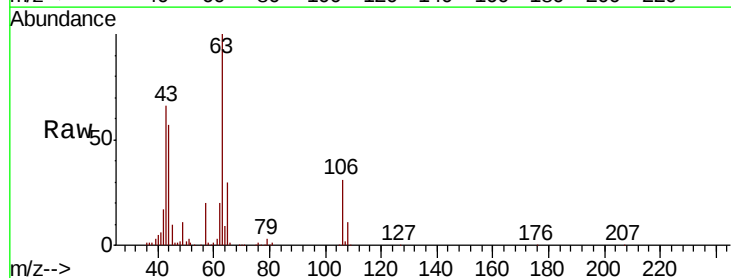
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

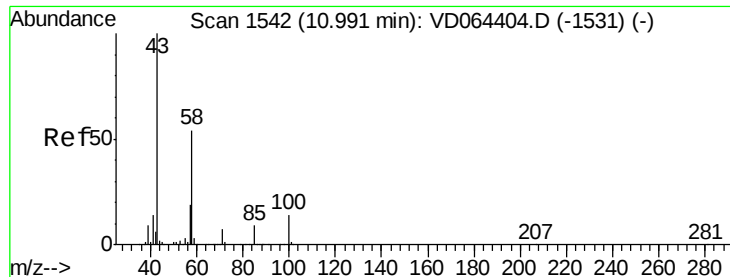
Tot Ion: 76 Resp: 114105
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.947 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 63 Resp: 172476
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.2 36.4

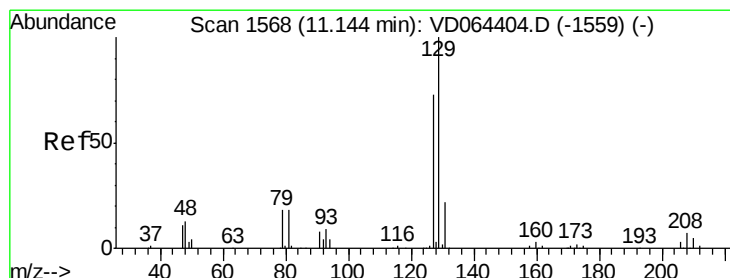
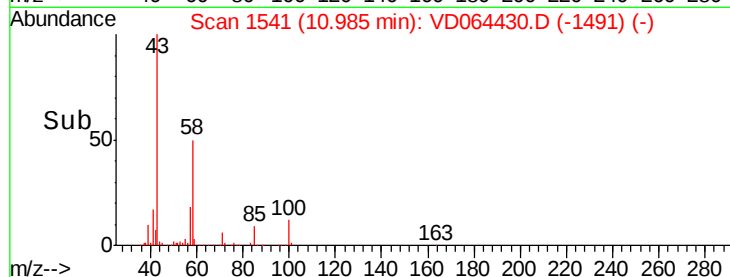
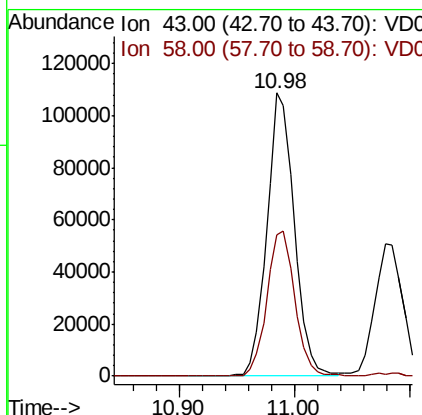
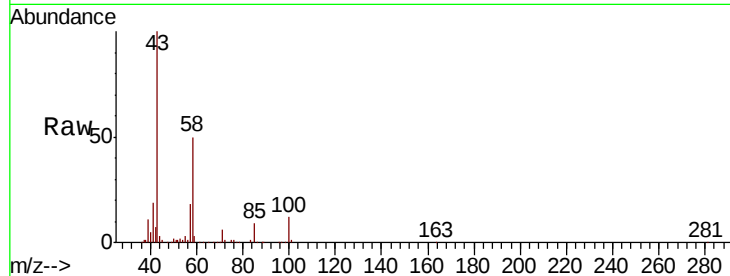




#59
2-Hexanone
Concen: 93.157 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

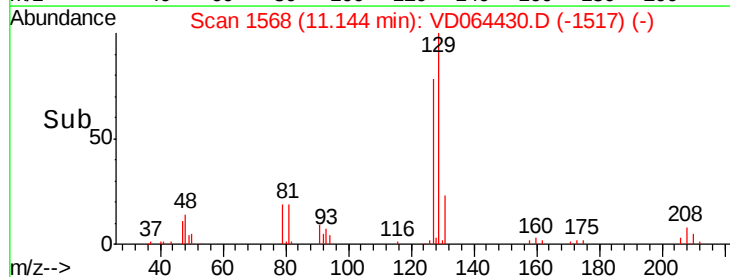
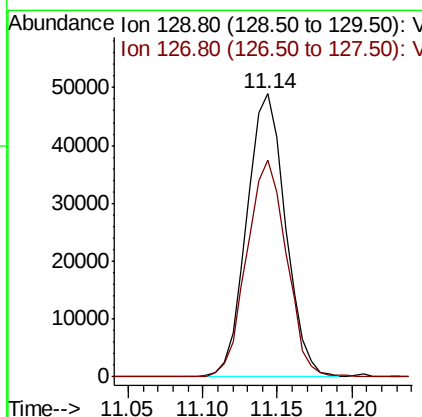
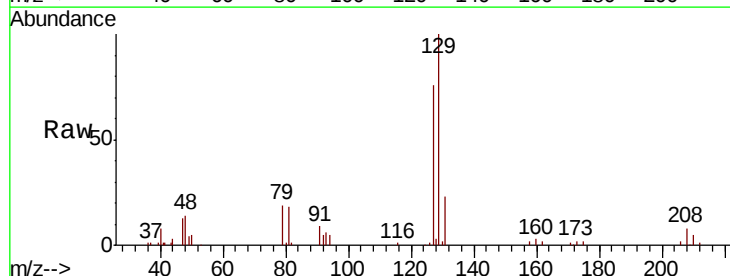
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

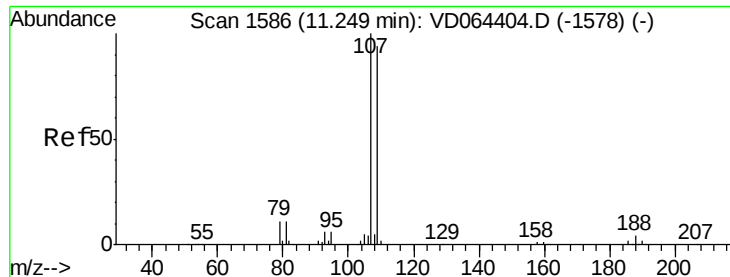
Tot Ion: 43 Resp: 180029
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8



#60
Dibromochloromethane
Concen: 18.695 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 129 Resp: 87788
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3

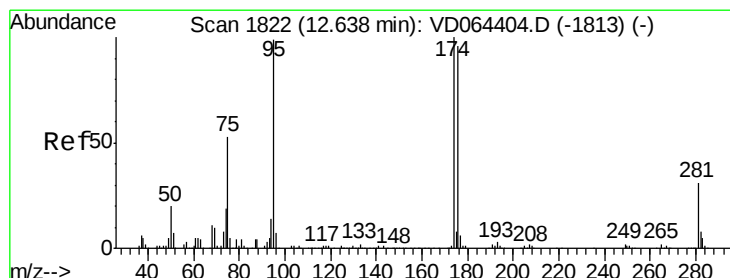
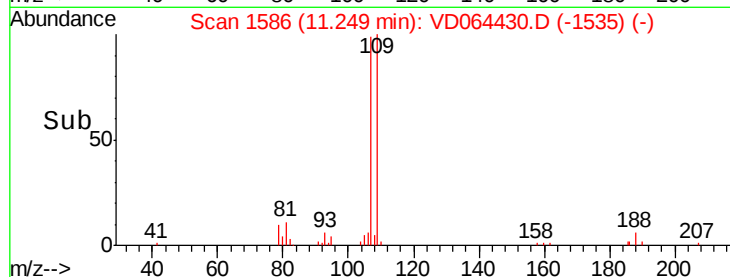
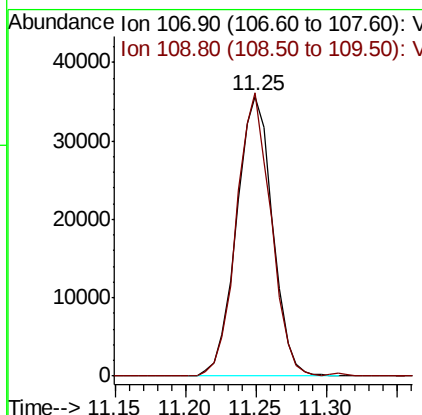
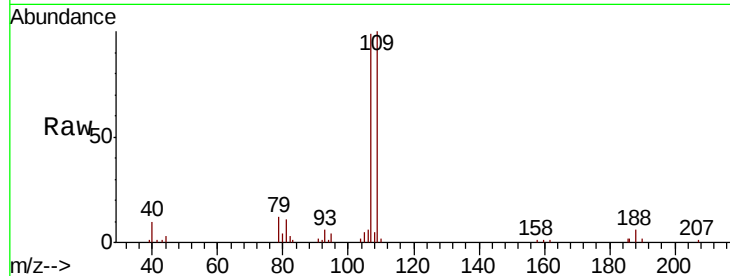




#61
1,2-Dibromoethane
Concen: 18.424 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

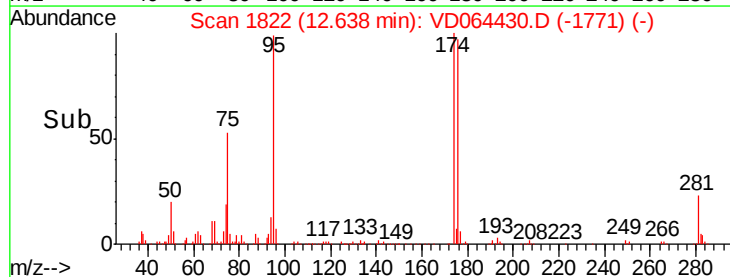
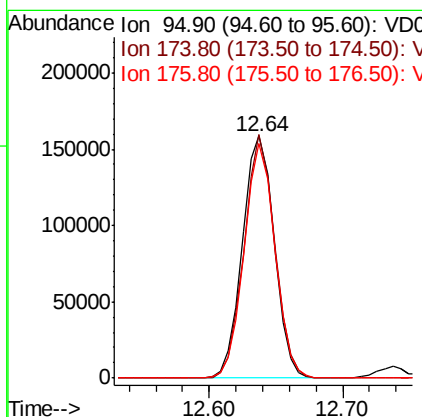
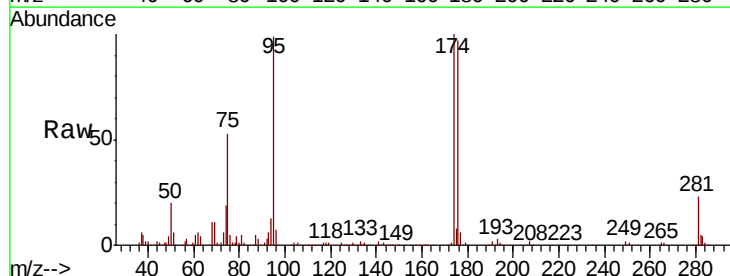
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

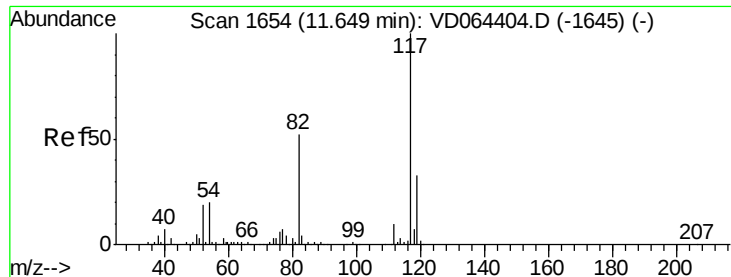
Tot Ion:107 Resp: 63711
Ion Ratio Lower Upper
107 100
109 96.7 76.2 114.2



#62
4-Bromofluorobenzene
Concen: 47.817 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 95 Resp: 260147
Ion Ratio Lower Upper
95 100
174 96.6 0.0 197.2
176 94.1 0.0 189.6

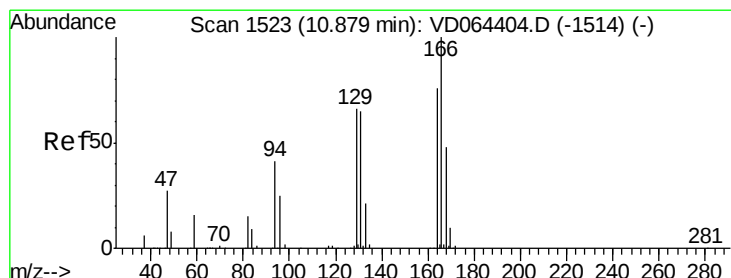
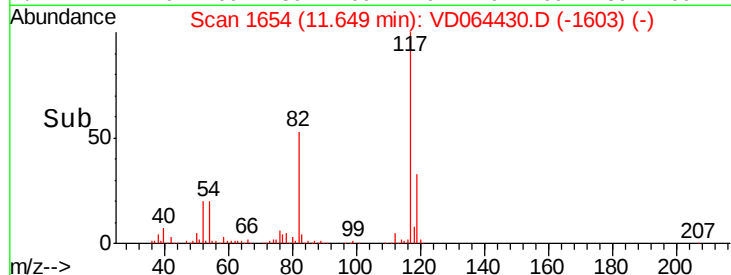
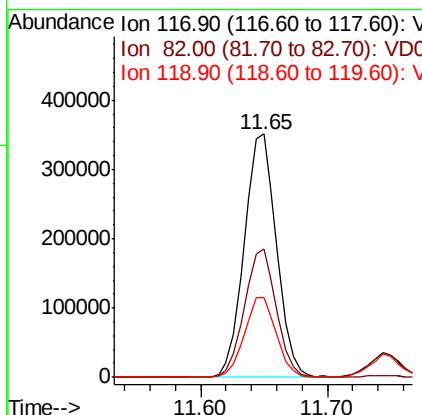
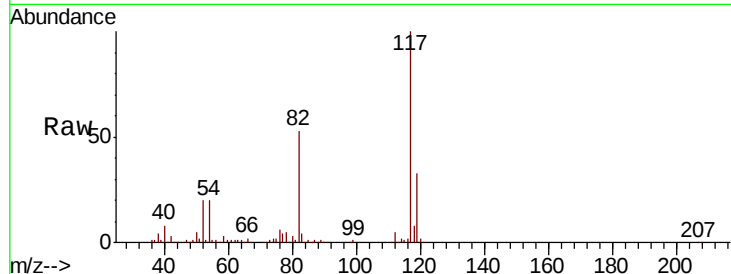




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

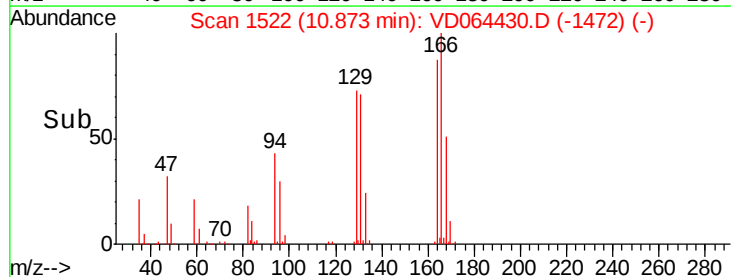
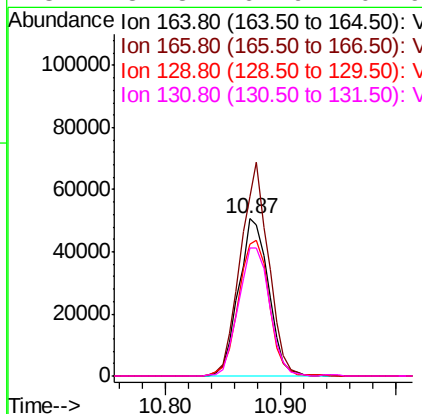
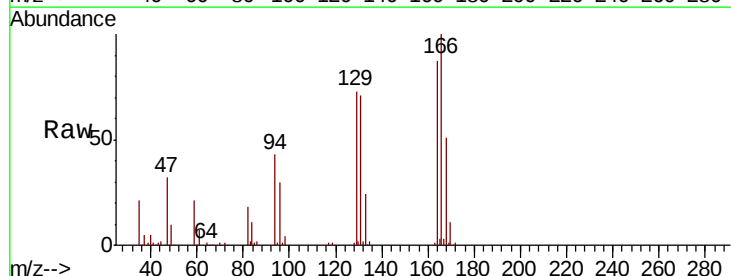
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

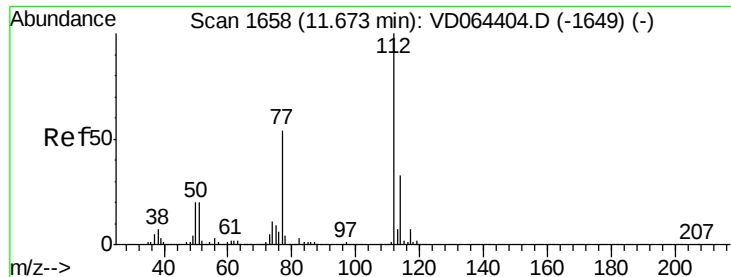
Tot Ion:117 Resp: 621469
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.2
119 32.9 26.2 39.2



#64
Tetrachloroethene
Concen: 19.320 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion:164 Resp: 91560
Ion Ratio Lower Upper
164 100
166 114.5 104.8 157.2
129 84.1 68.7 103.1
131 81.8 67.9 101.9





#65

Chlorobenzene

Concen: 18.957 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

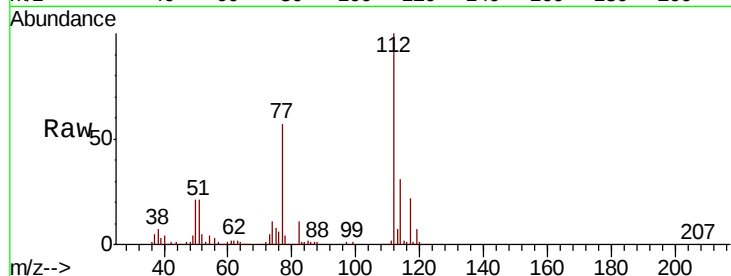
VD1205SBS01

Tot Ion:112 Resp: 245716

Ion Ratio Lower Upper

112 100

114 31.4 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

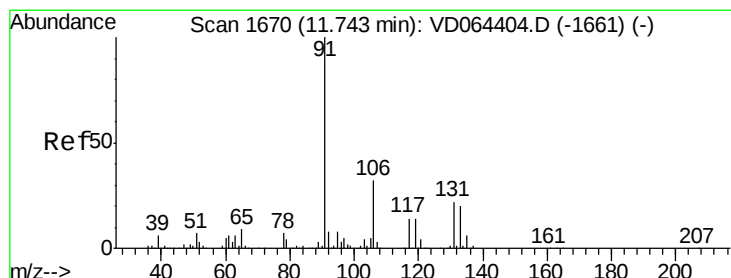
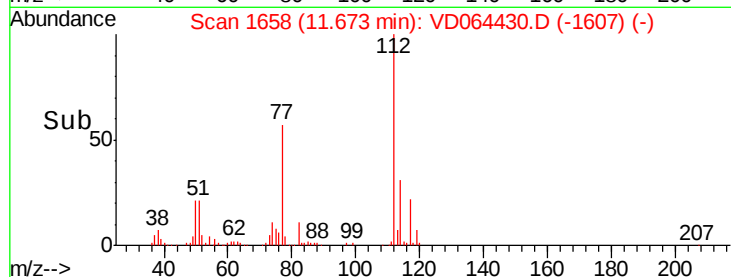
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.764 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

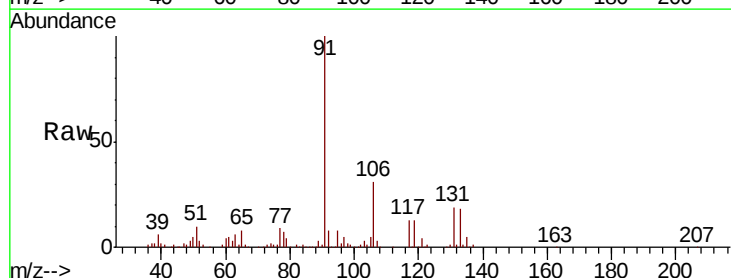
Tgt Ion:131 Resp: 90035

Ion Ratio Lower Upper

131 100

133 94.8 48.3 144.9

119 62.7 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

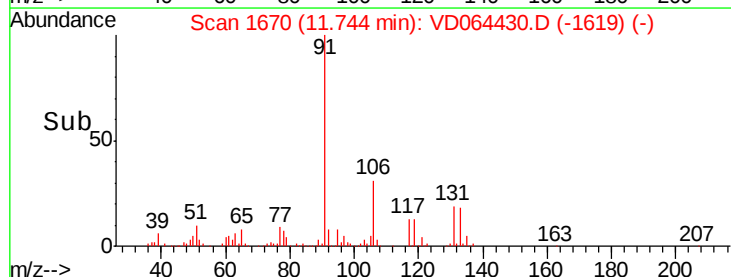
150000

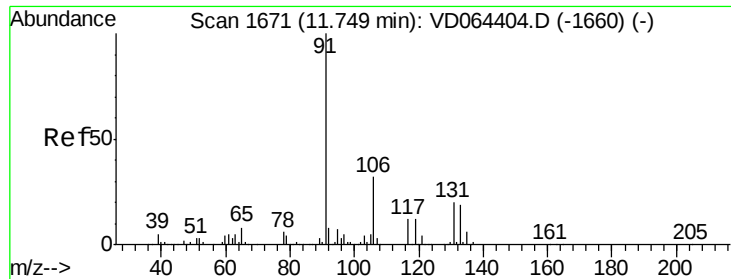
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.283 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

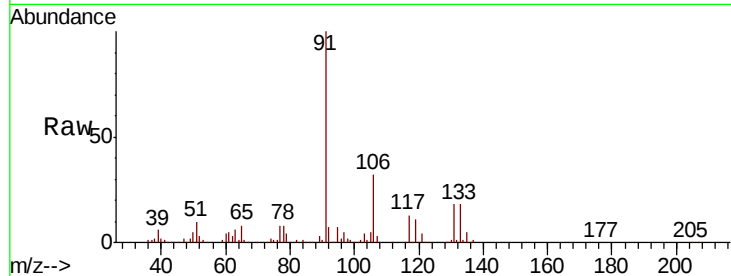
VD1205SBS01

Tot Ion: 91 Resp: 444703

Ion Ratio Lower Upper

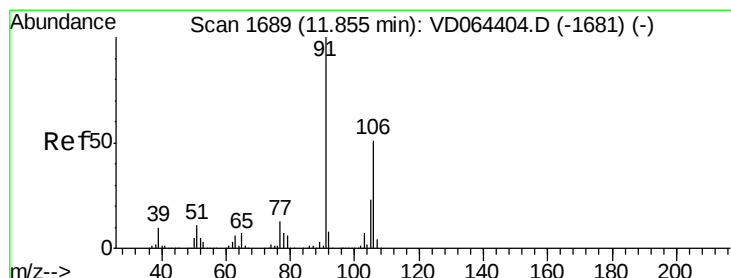
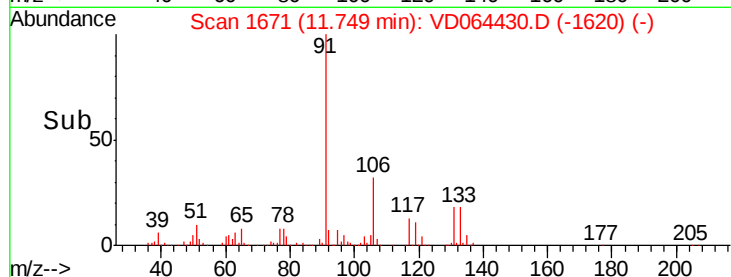
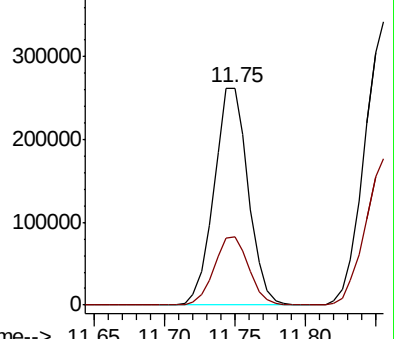
91 100

106 31.7 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: 38.271 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064430.D

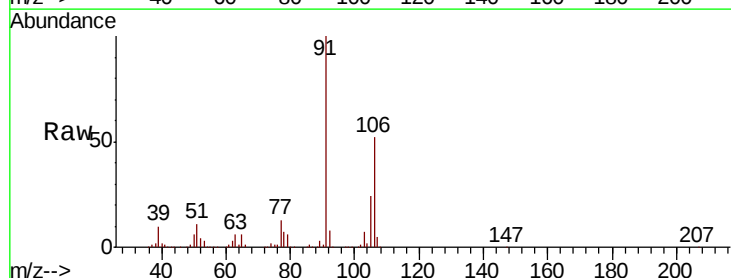
Acq: 05 Dec 2019 12:14

Tgt Ion: 106 Resp: 336530

Ion Ratio Lower Upper

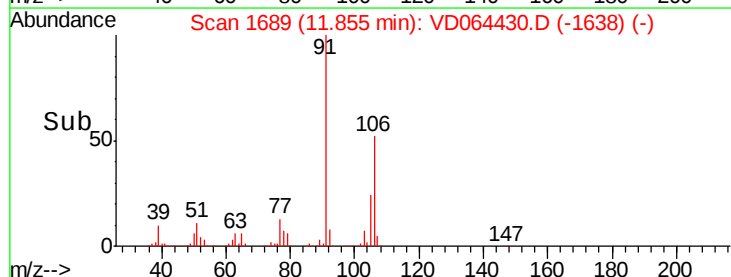
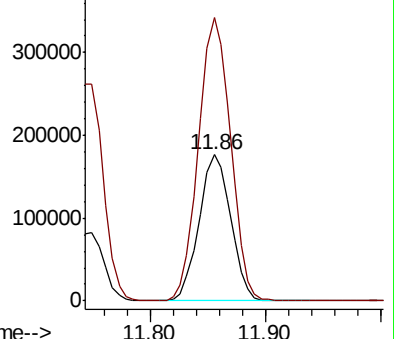
106 100

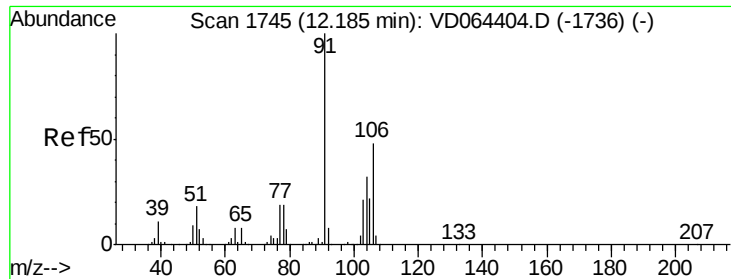
91 196.5 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

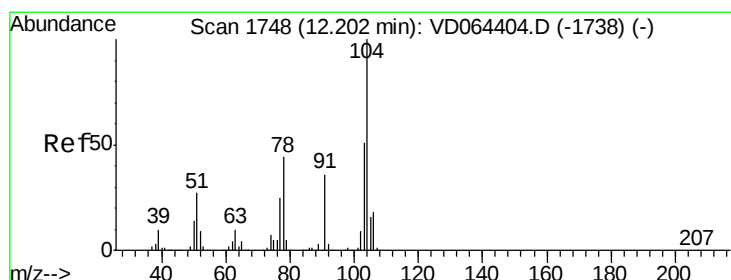
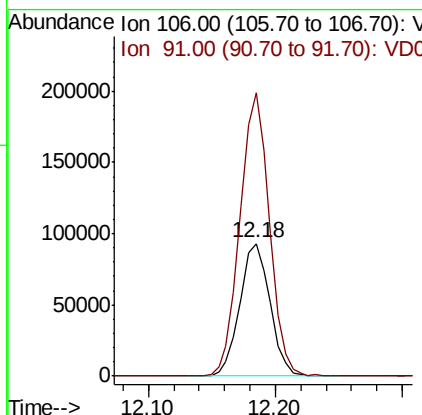
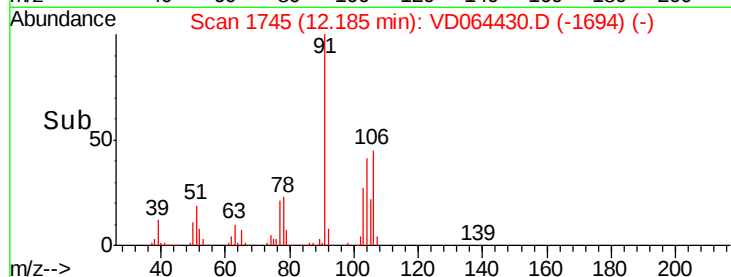
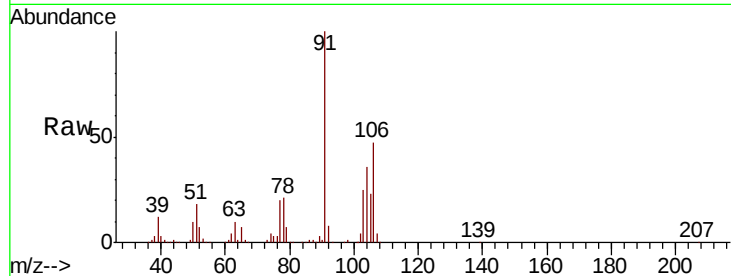




#69
o-Xylene
Concen: 18.916 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

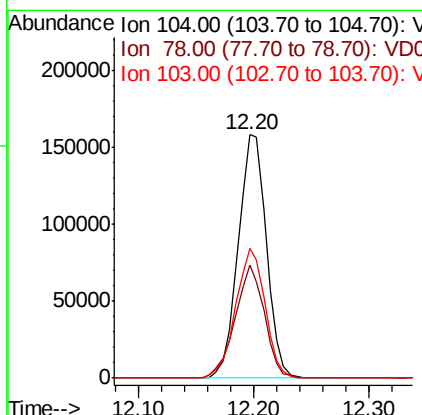
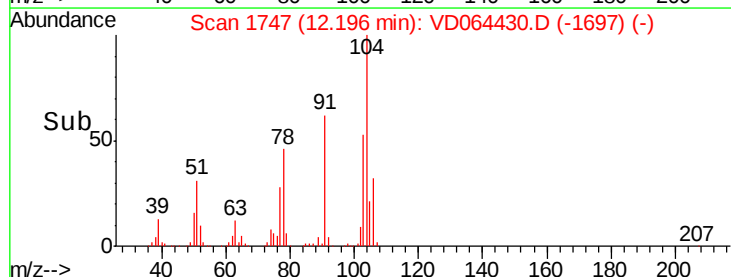
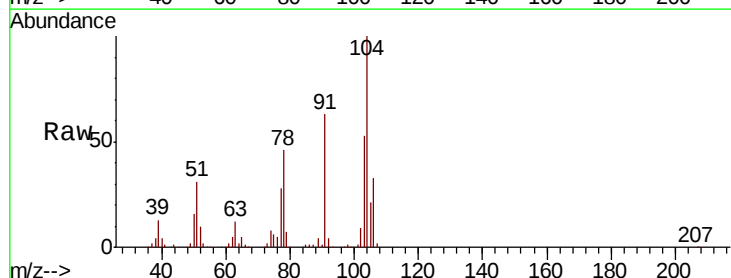
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

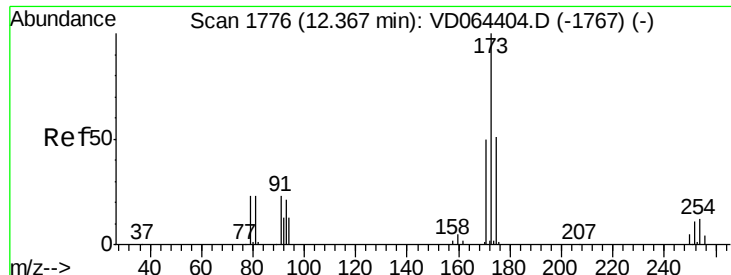
Tot Ion:106 Resp: 153617
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.4



#70
Styrene
Concen: 18.984 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion:104 Resp: 267909
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 55.6 44.2 66.4

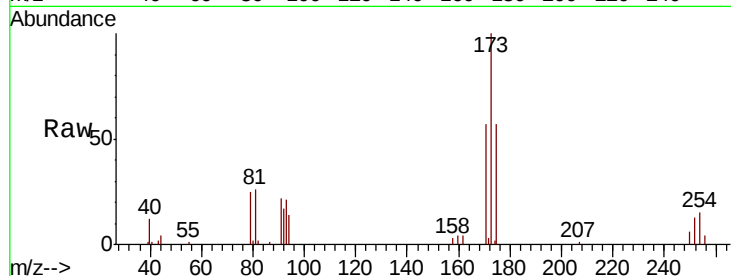




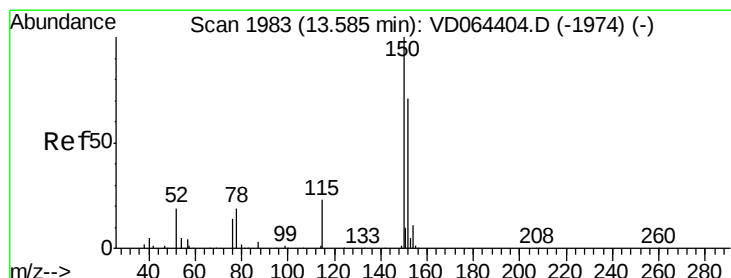
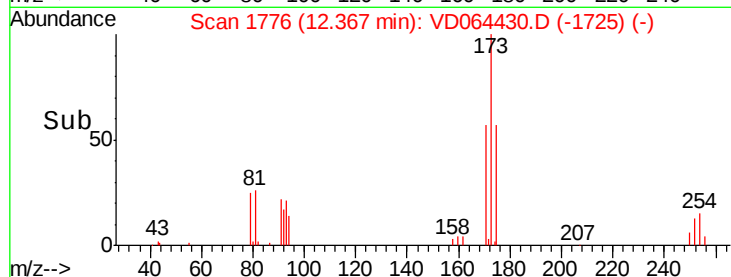
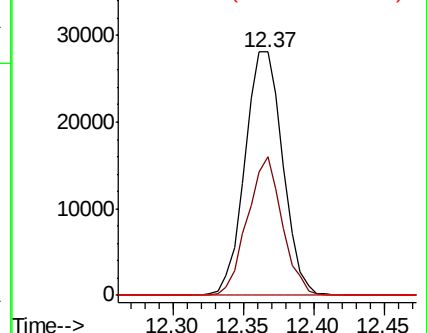
#71
Bromoform
Concen: 18.430 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

Tot Ion:173 Resp: 52909
Ion Ratio Lower Upper
173 100
175 52.2 25.3 75.8
254 0.0 0.0 0.0

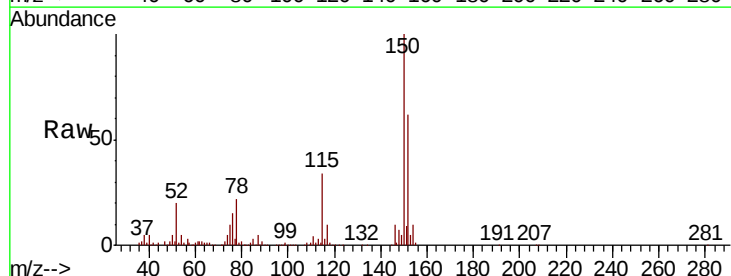


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

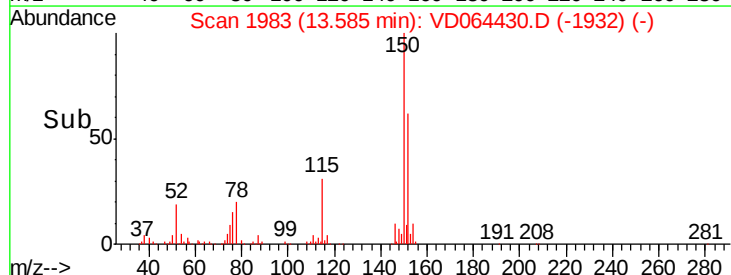
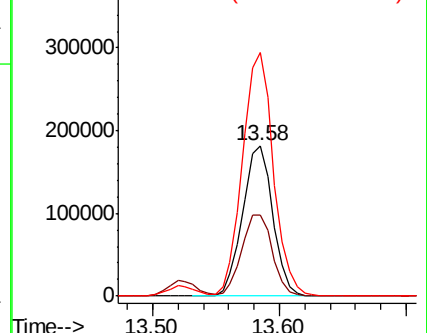


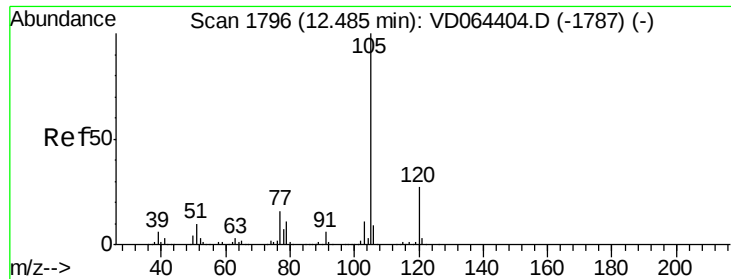
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion:152 Resp: 300342
Ion Ratio Lower Upper
152 100
115 55.2 26.7 80.1
150 165.6 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: 19.524 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

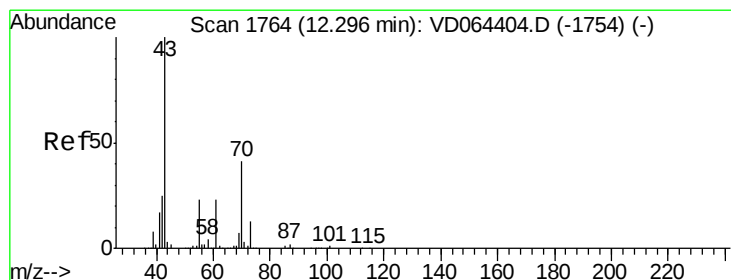
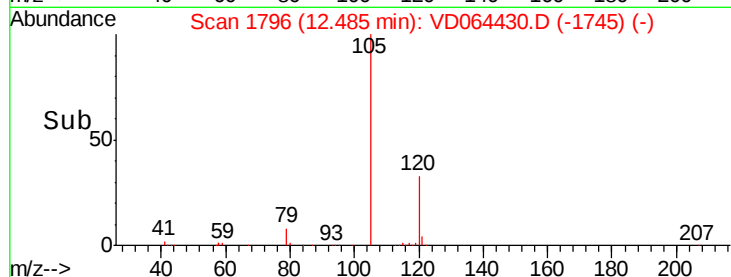
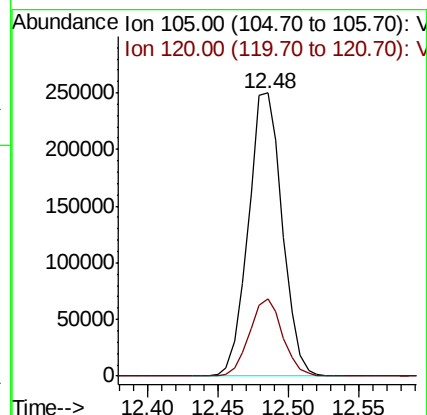
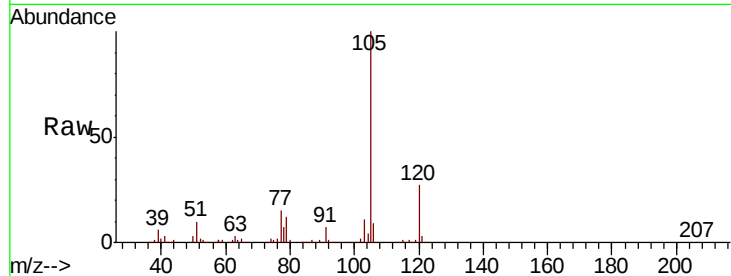
VD1205SBS01

Tot Ion:105 Resp: 421731

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 18.671 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Tgt Ion: 43 Resp: 91538

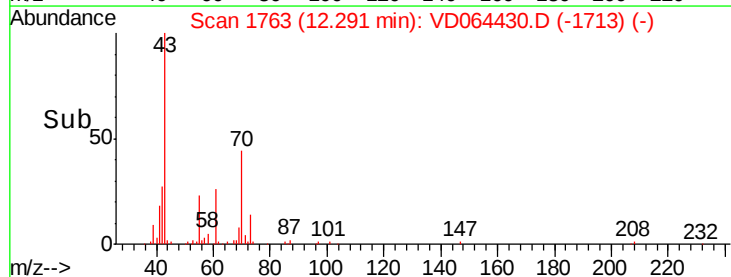
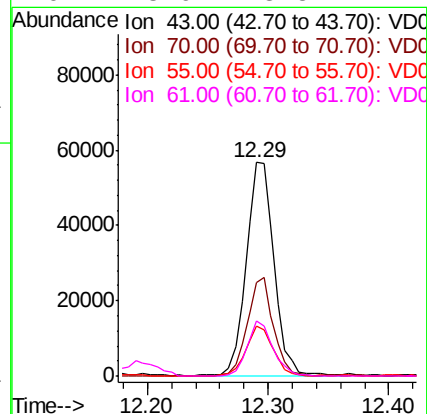
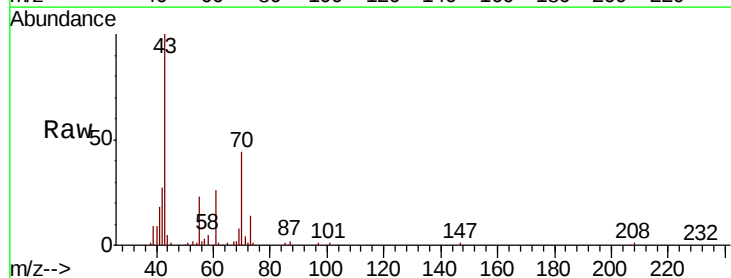
Ion Ratio Lower Upper

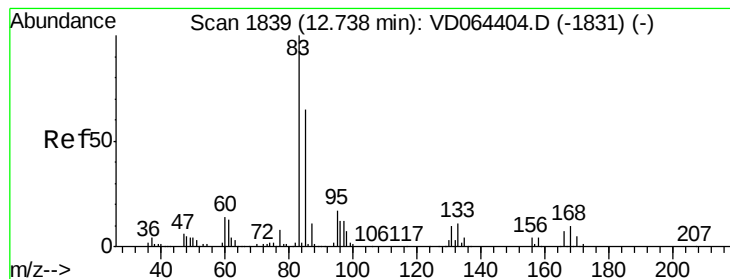
43 100

70 42.6 33.4 50.2

55 22.9 18.9 28.3

61 23.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.825 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

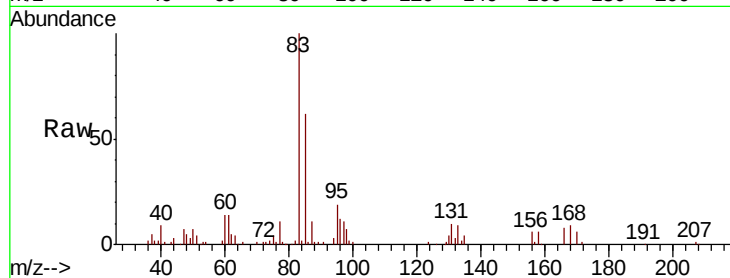
Tot Ion: 83 Resp: 70816

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

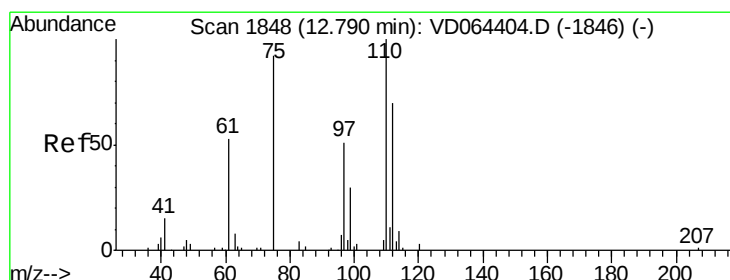
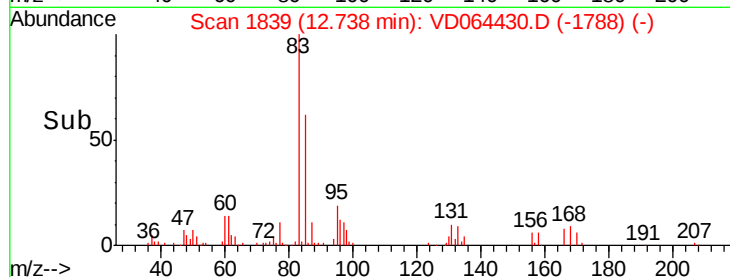
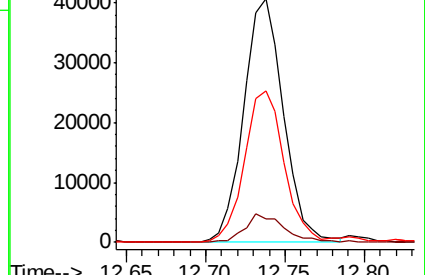
85 62.5 31.3 93.9



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: 37.750 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064430.D

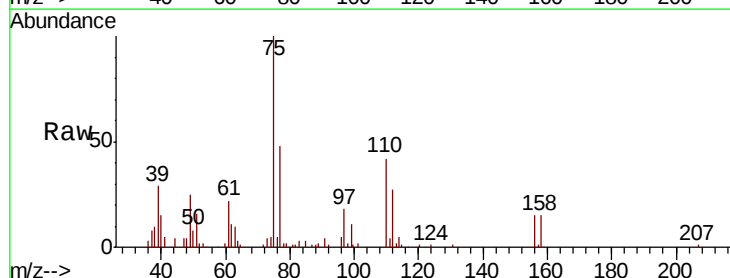
Acq: 05 Dec 2019 12:14

Tgt Ion: 75 Resp: 93238

Ion Ratio Lower Upper

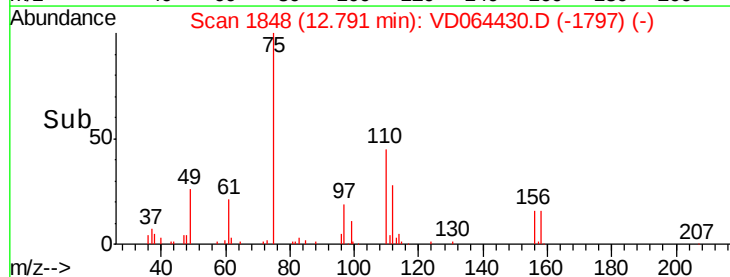
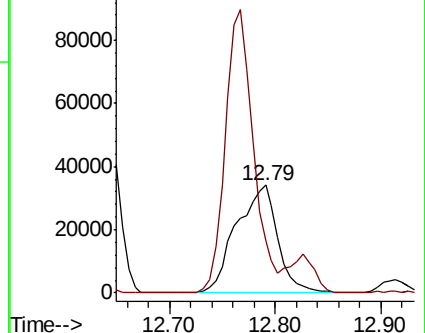
75 100

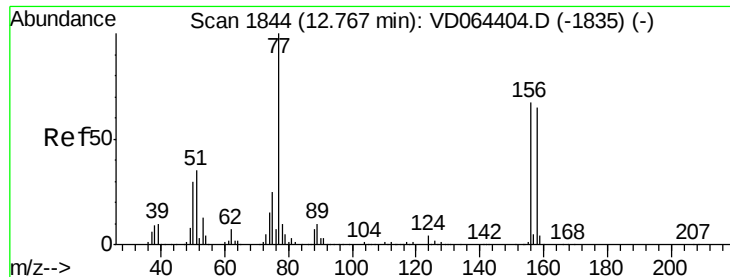
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.056 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

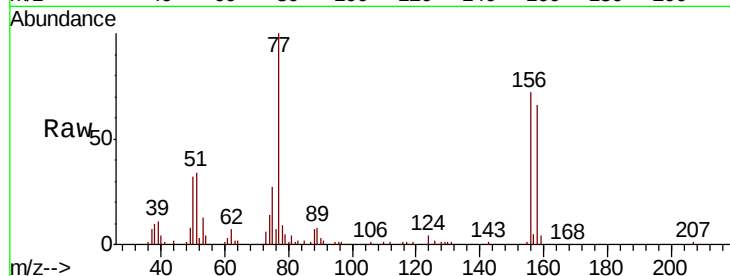
Tot Ion:156 Resp: 106985

Ion Ratio Lower Upper

156 100

77 154.5 80.0 240.2

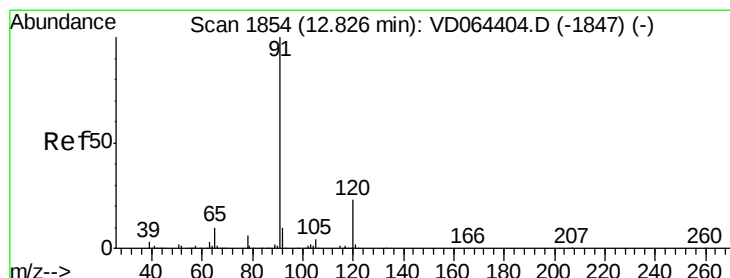
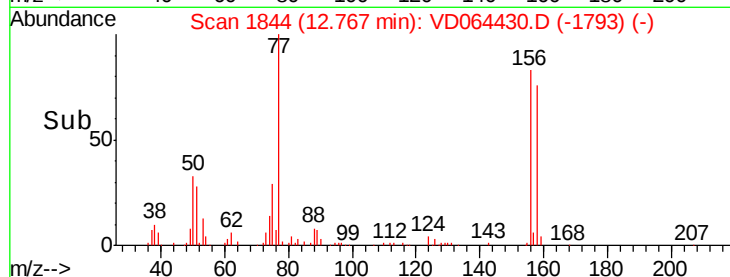
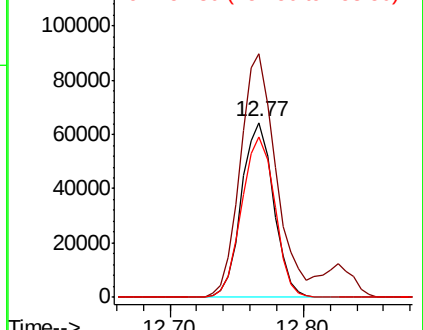
158 94.5 48.9 146.6



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: 19.717 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064430.D

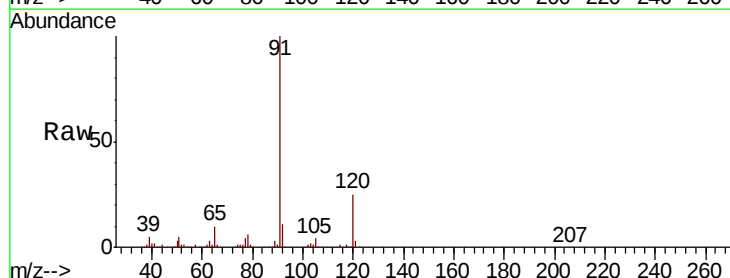
Acq: 05 Dec 2019 12:14

Tgt Ion: 91 Resp: 491400

Ion Ratio Lower Upper

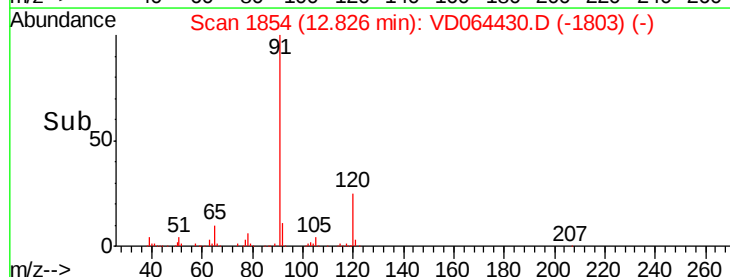
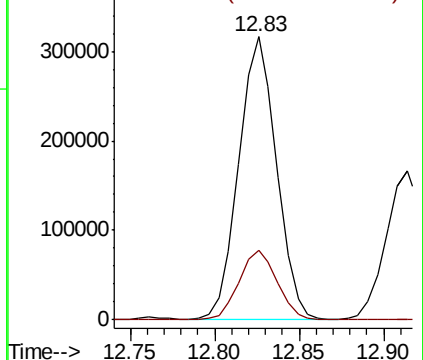
91 100

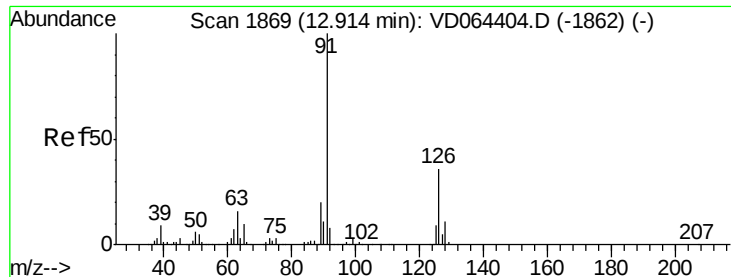
120 24.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

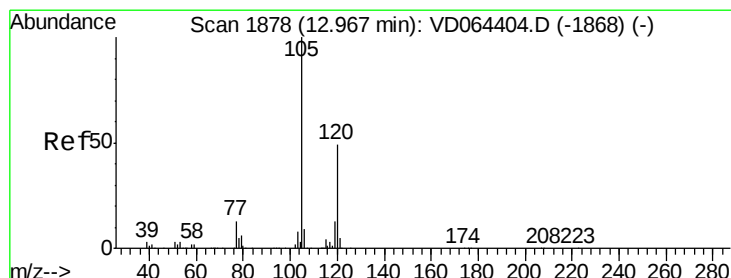
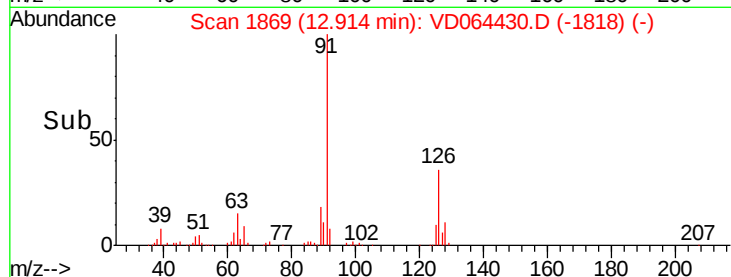
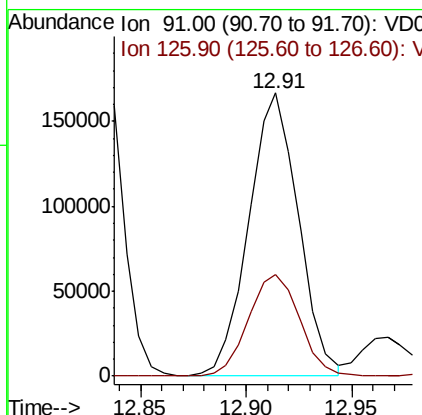
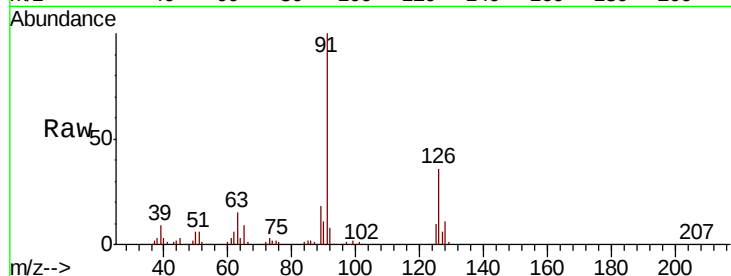




#79
 2-Chlorotoluene
 Concen: 19.788 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

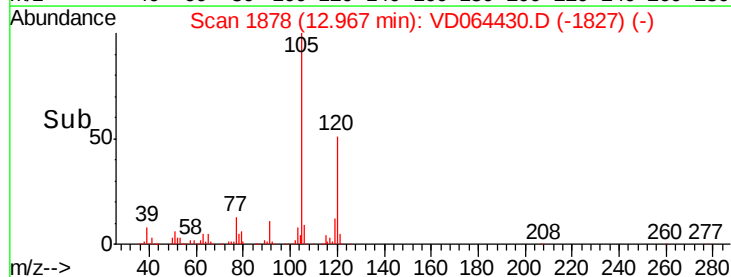
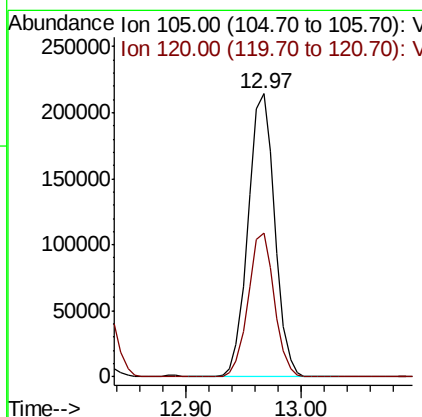
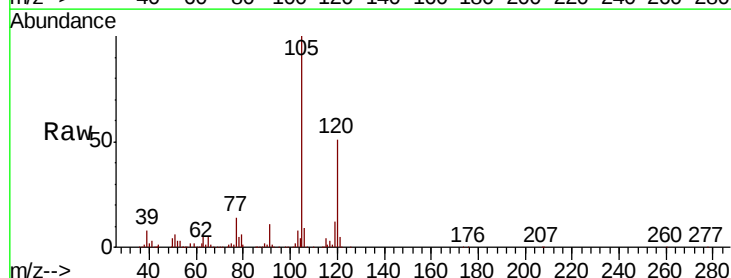
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

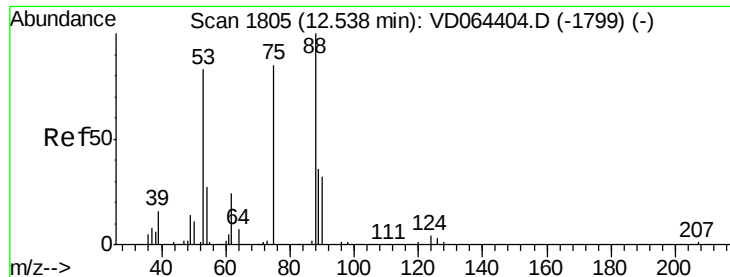
Tot Ion: 91 Resp: 271368
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.514 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 105 Resp: 344471
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.1 75.3

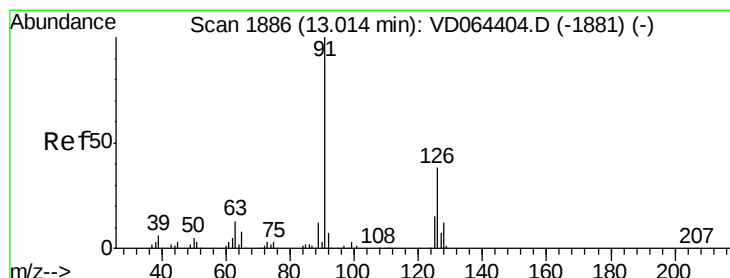
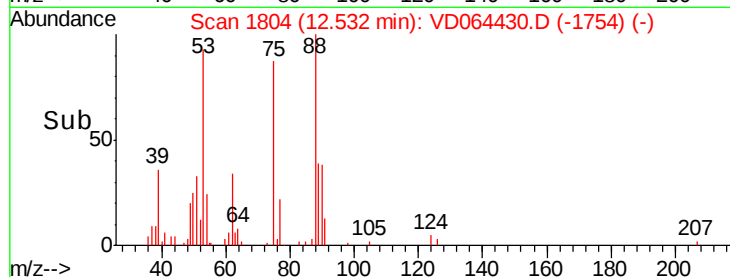
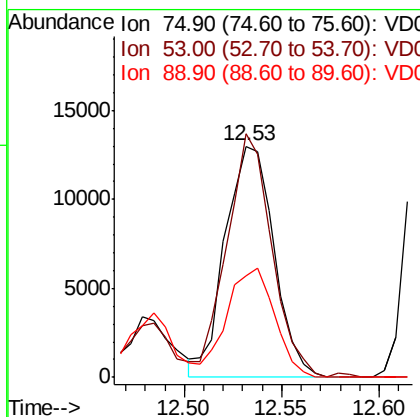
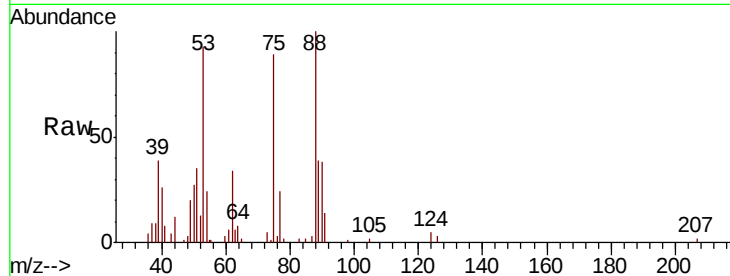




#81
trans-1,4-Dichloro-2-butene
Concen: 19.881 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

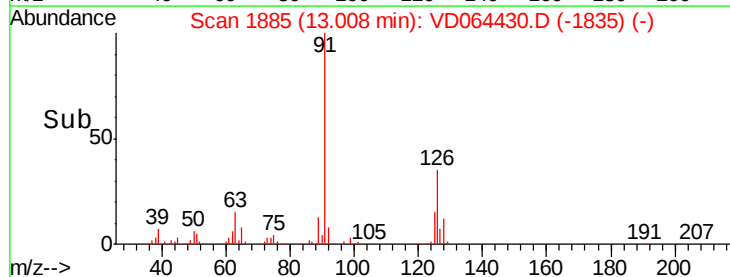
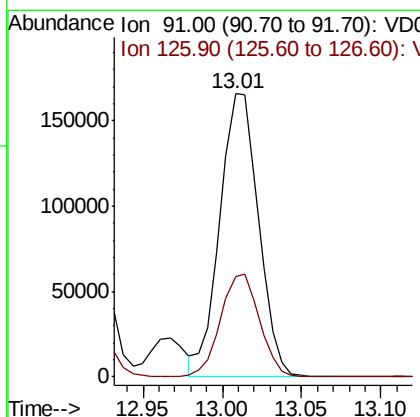
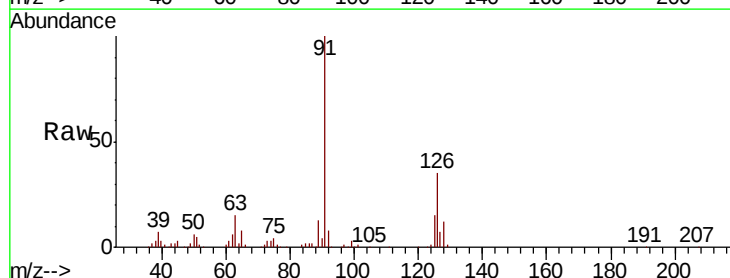
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

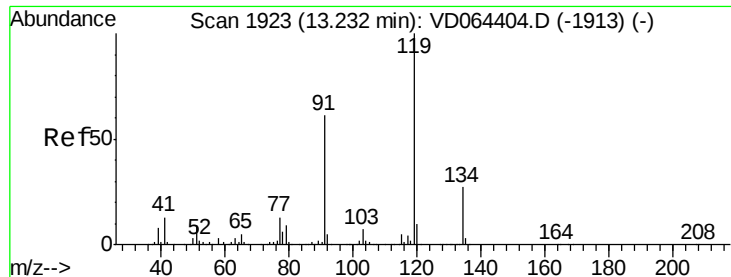
Tot Ion: 75 Resp: 22519
Ion Ratio Lower Upper
75 100
53 96.1 81.0 121.6
89 46.0 38.5 57.7



#82
4-Chlorotoluene
Concen: 19.397 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 91 Resp: 281641
Ion Ratio Lower Upper
91 100
126 36.4 18.2 54.6





#83

tert-Butylbenzene

Concen: 19.621 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

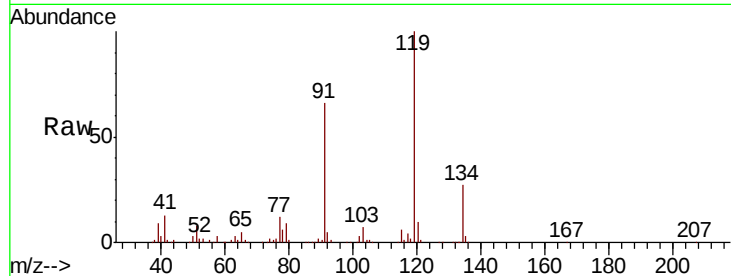
Tot Ion:119 Resp: 301118

Ion Ratio Lower Upper

119 100

91 60.9 31.2 93.6

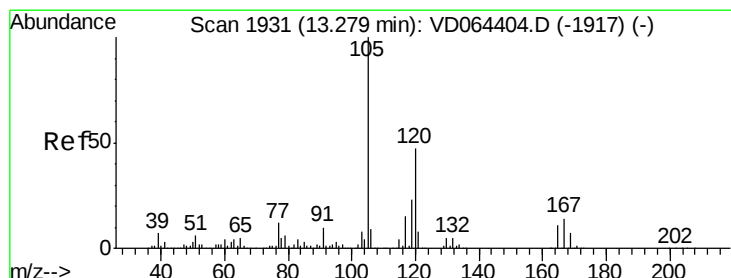
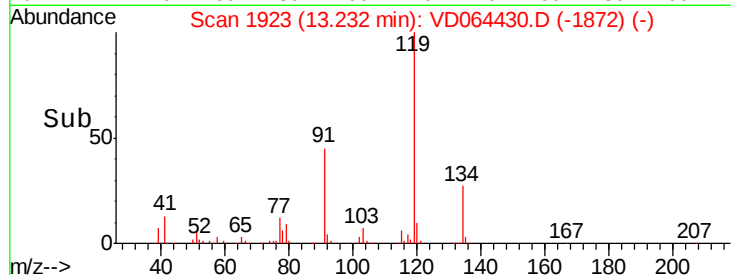
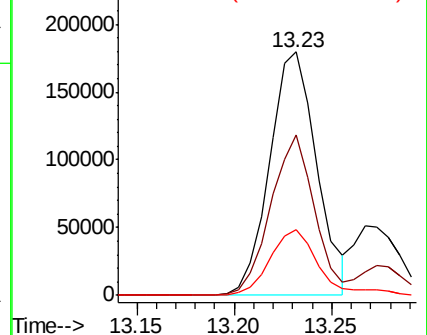
134 27.9 13.9 41.7



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: 19.298 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064430.D

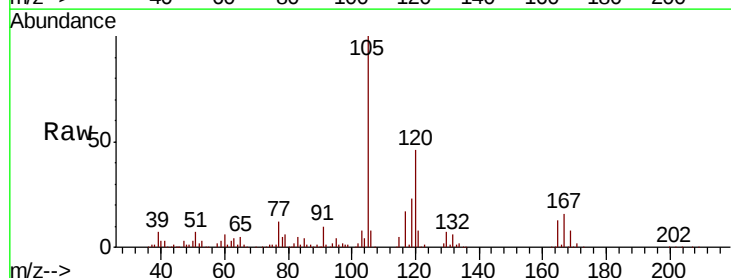
Acq: 05 Dec 2019 12:14

Tgt Ion:105 Resp: 342537

Ion Ratio Lower Upper

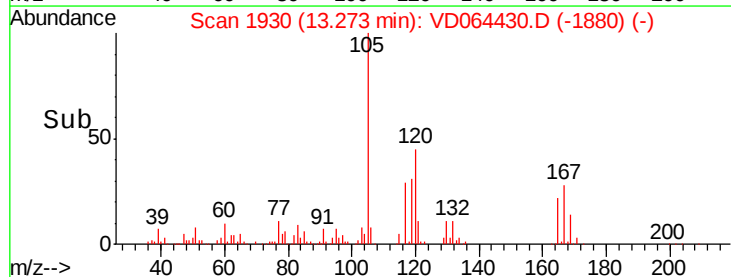
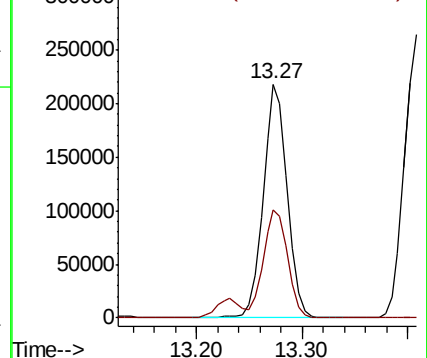
105 100

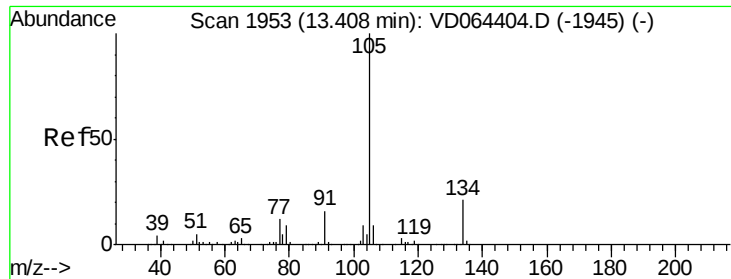
120 46.8 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.361 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

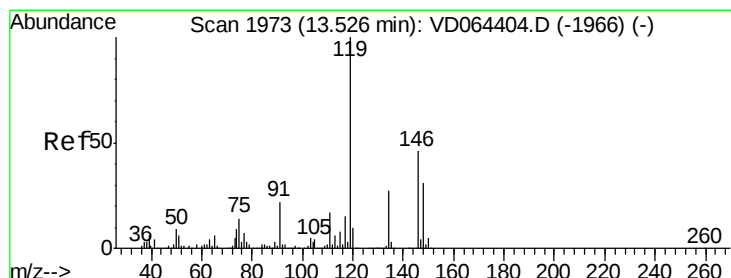
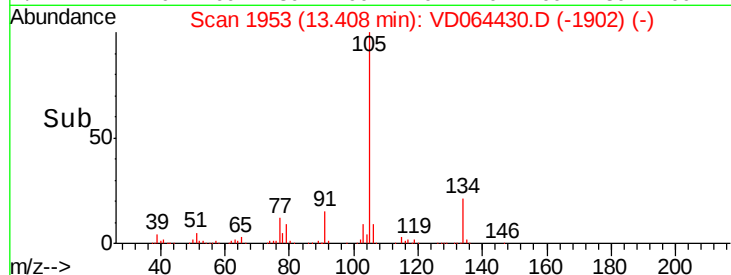
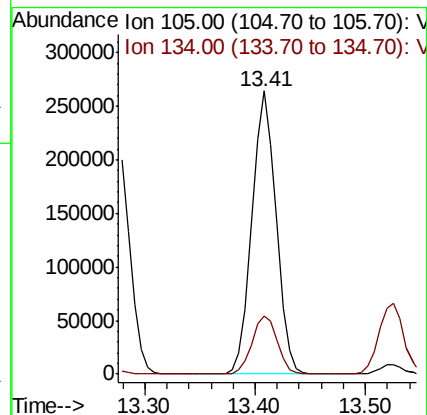
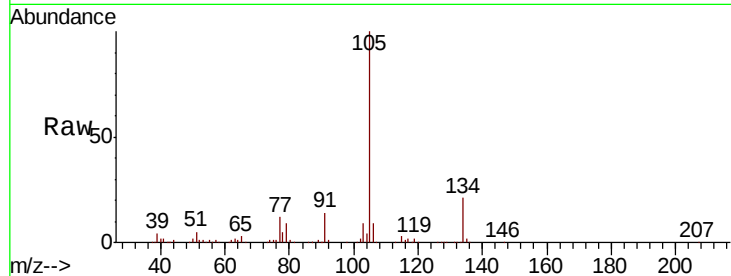
VD1205SBS01

Tot Ion:105 Resp: 407796

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.5



#86

p-Isopropyltoluene

Concen: 19.203 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

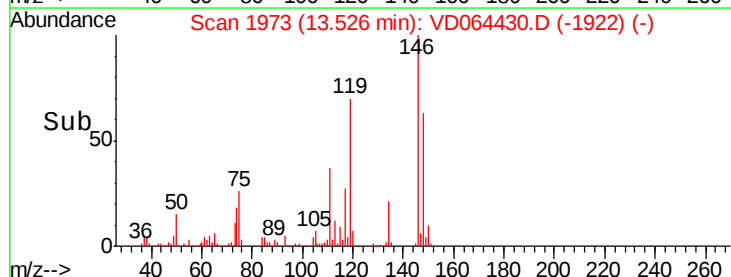
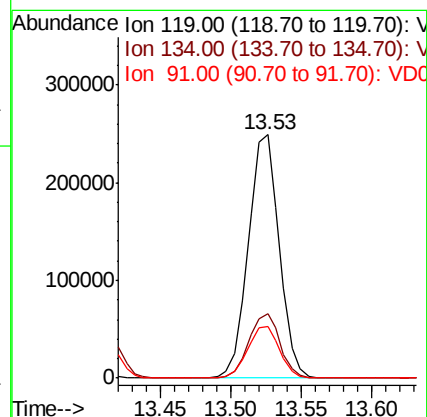
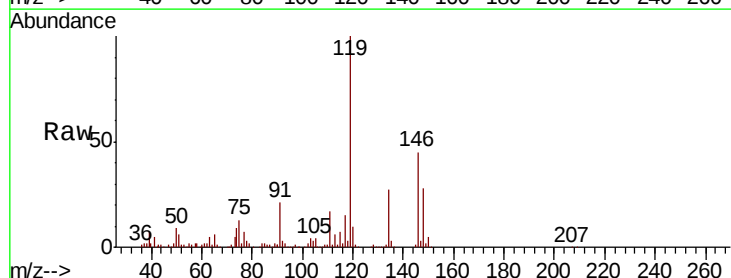
Tgt Ion:119 Resp: 381861

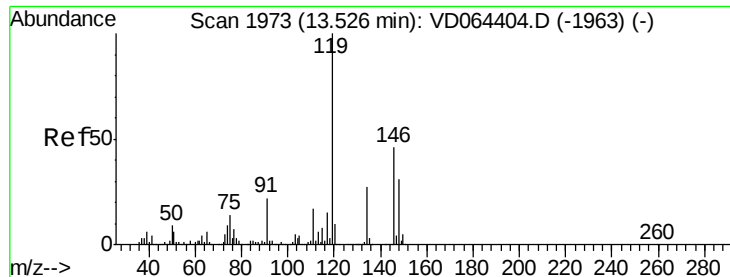
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.8 11.2 33.5

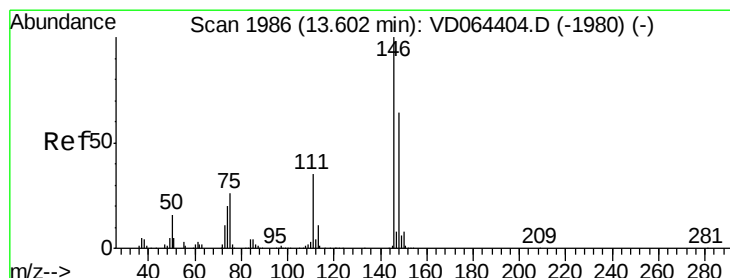
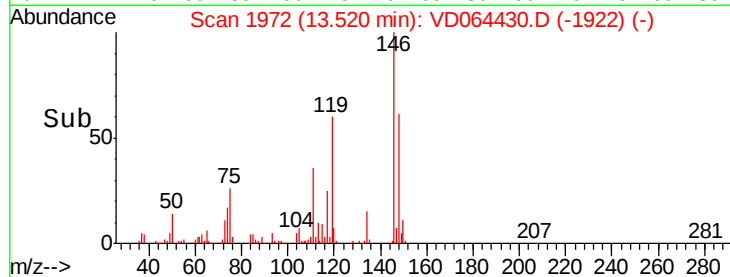
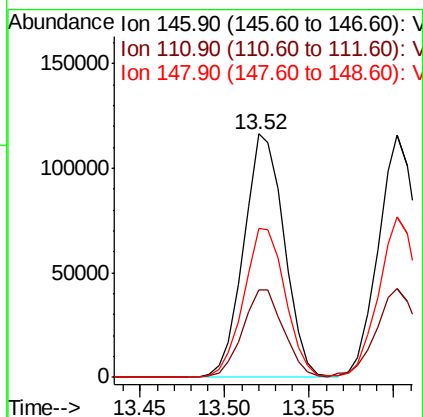
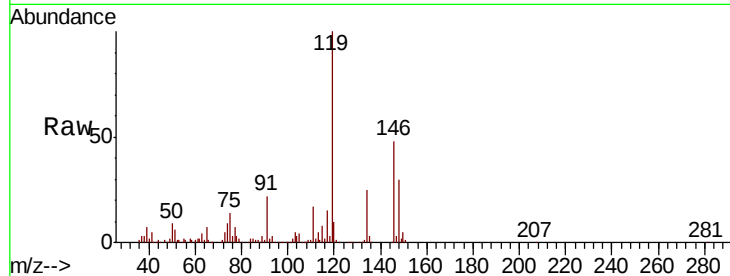




#87
 1,3-Dichlorobenzene
 Concen: 19.197 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

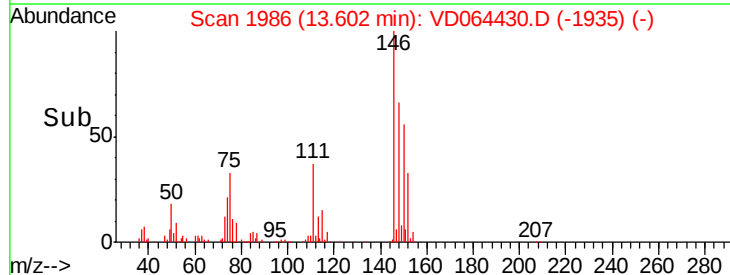
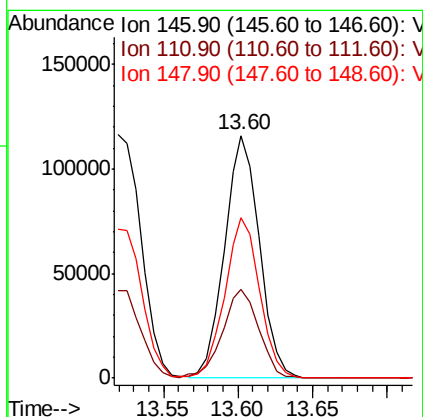
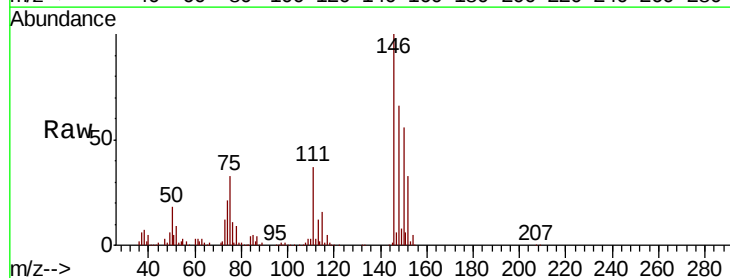
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

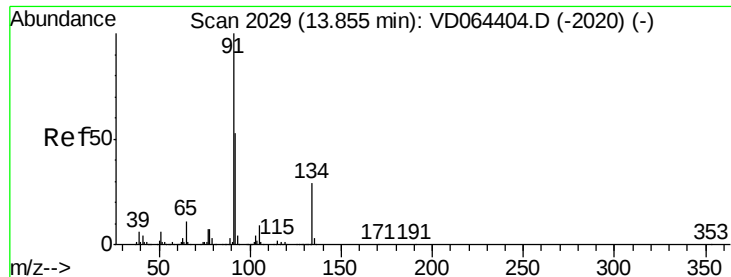
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.4
148	62.9	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 18.912 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.2	54.6
148	65.9	31.8	95.4

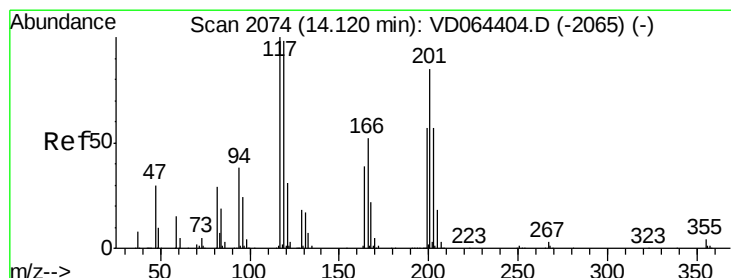
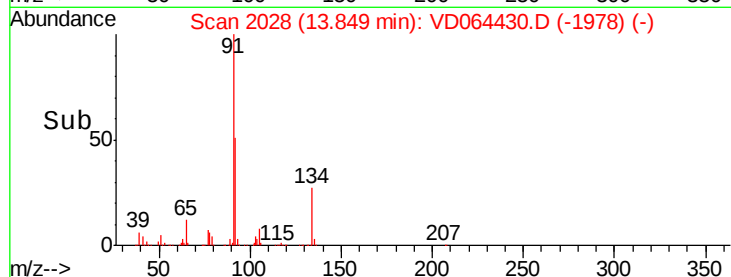
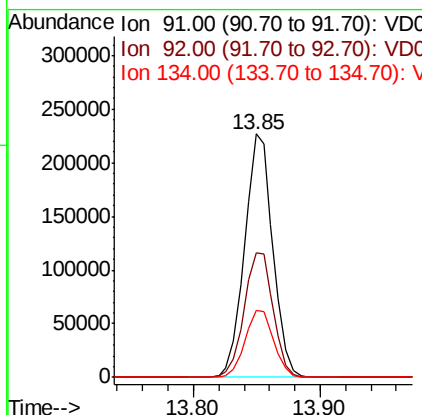
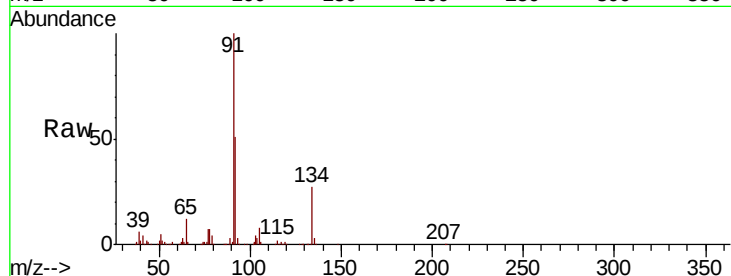




#89
n-Butylbenzene
Concen: 19.335 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

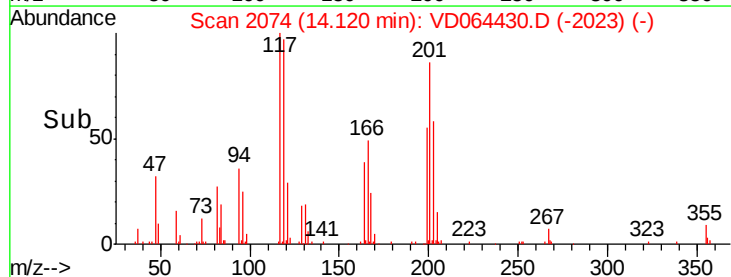
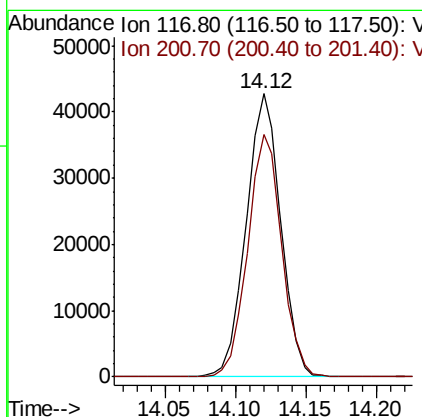
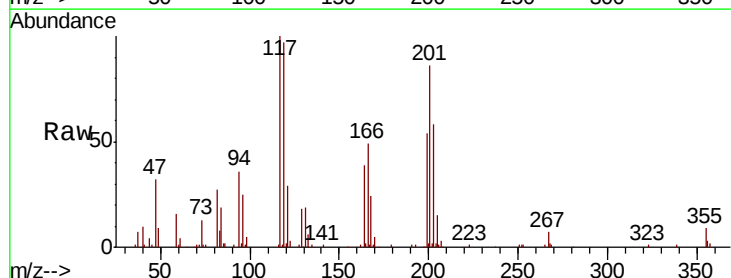
Instrument :
MSVOA_D
ClientSampleId :
VD1205SBSD01

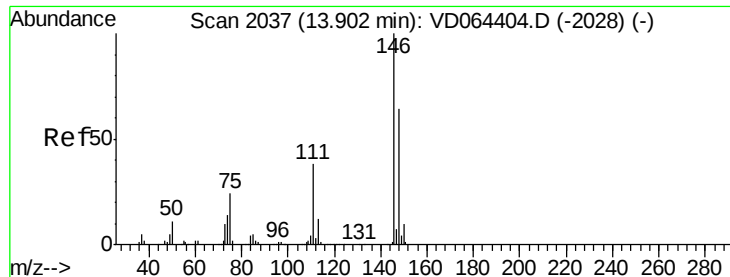
Tot Ion: 91 Resp: 349144
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.4
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 19.723 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064430.D
Acq: 05 Dec 2019 12:14

Tgt Ion: 117 Resp: 73355
Ion Ratio Lower Upper
117 100
201 84.2 44.3 132.8

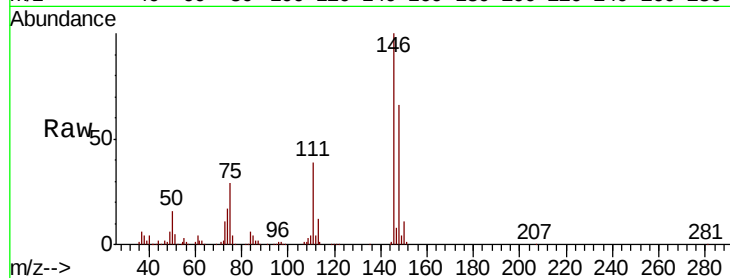




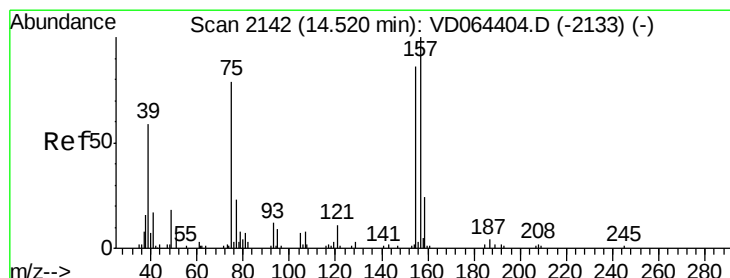
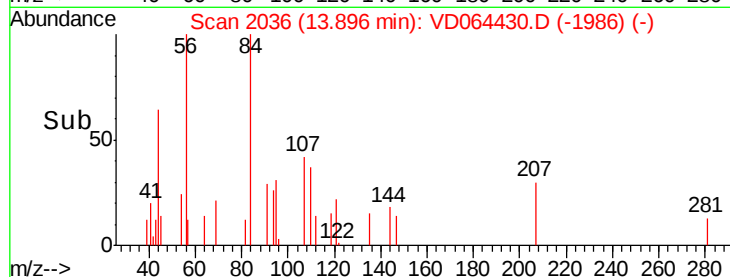
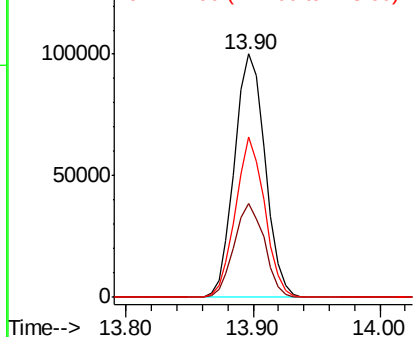
#91
 1,2-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBSD01

Tot Ion:146 Resp: 168097
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 62.5 32.0 96.0

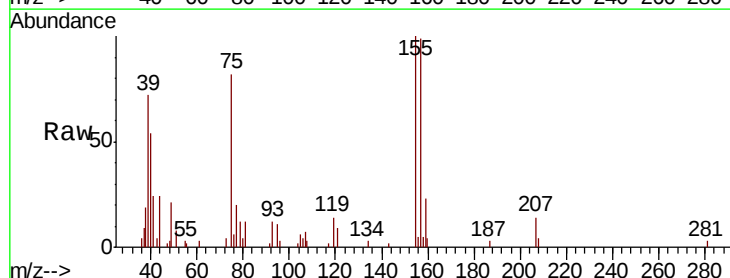


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

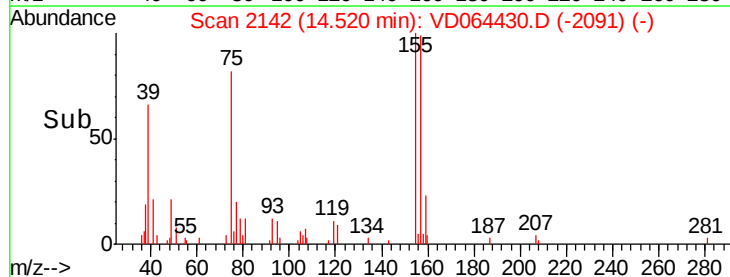
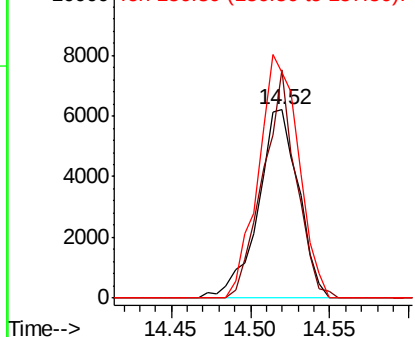


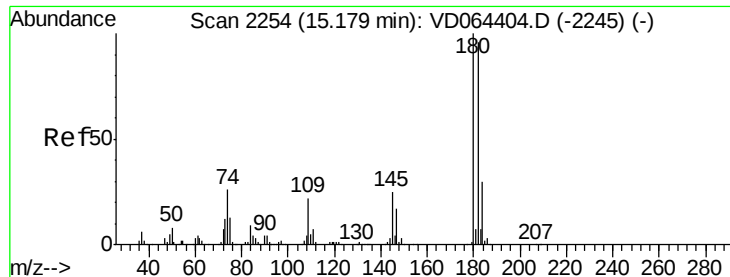
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.938 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion: 75 Resp: 11074
 Ion Ratio Lower Upper
 75 100
 155 99.2 51.9 155.7
 157 128.0 63.2 189.8



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

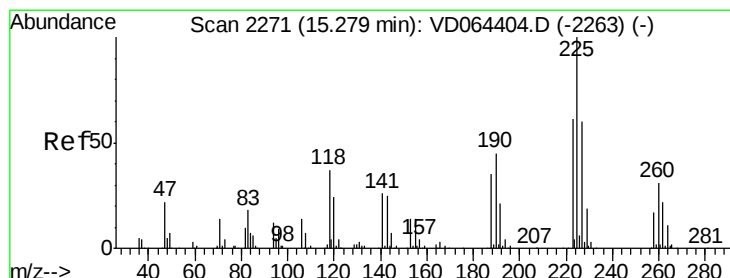
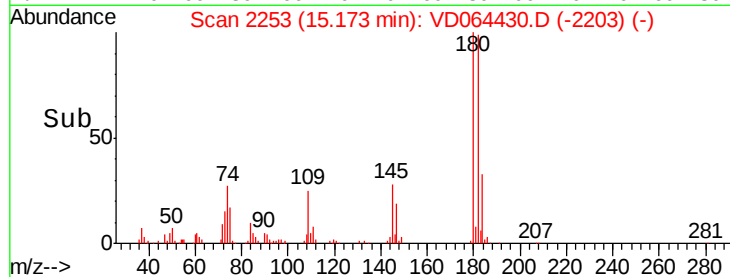
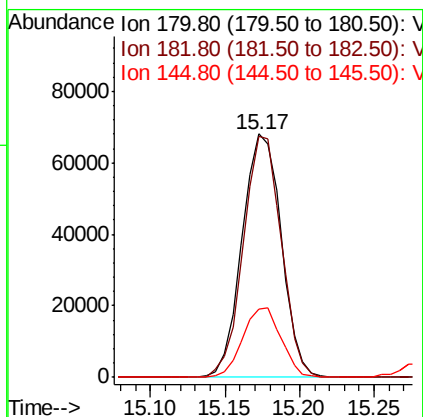
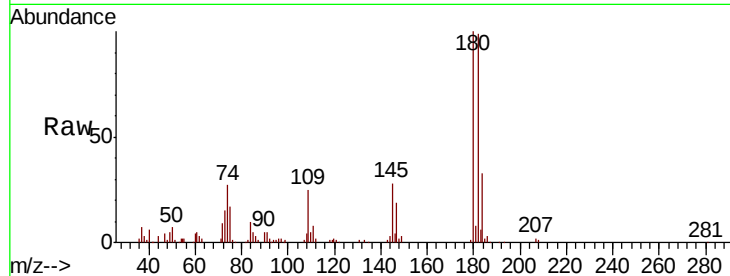




#93
 1,2,4-Trichlorobenzene
 Concen: 18.674 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

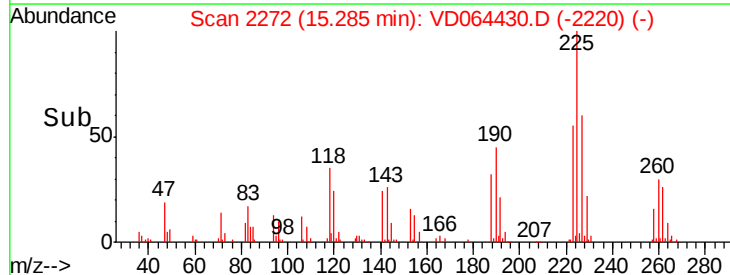
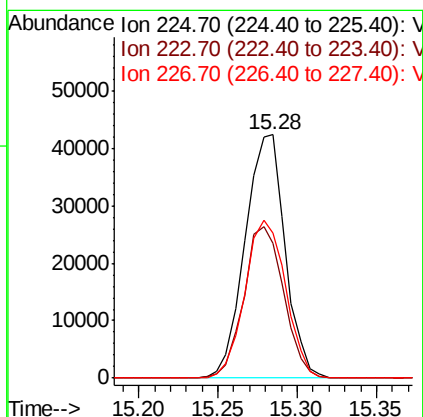
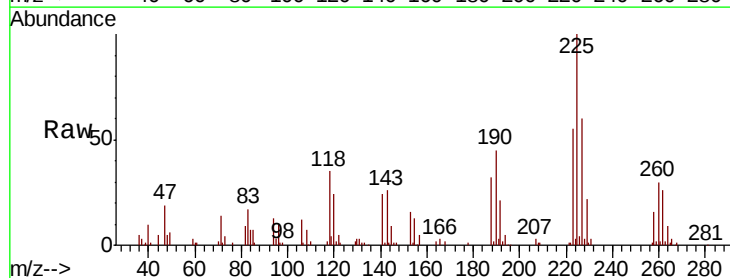
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

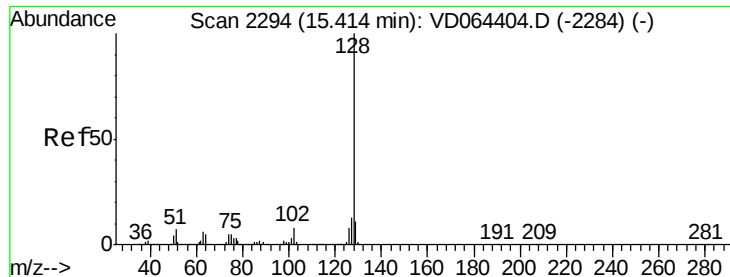
Tot Ion:180 Resp: 123740
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.3
 145 28.0 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 18.215 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064430.D
 Acq: 05 Dec 2019 12:14

Tgt Ion:225 Resp: 74514
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.3
 227 65.9 31.8 95.4





#95

Naphthalene

Concen: 18.831 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBSD01

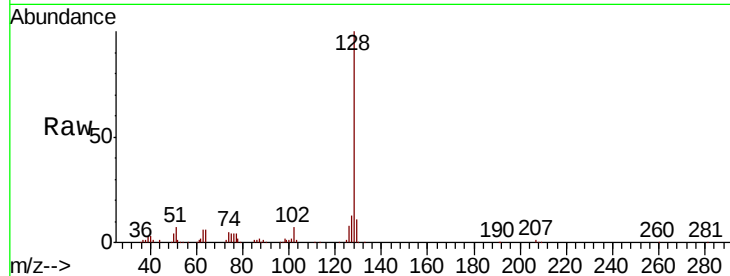
Tot Ion:128 Resp: 208245

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.3 8.8 13.2

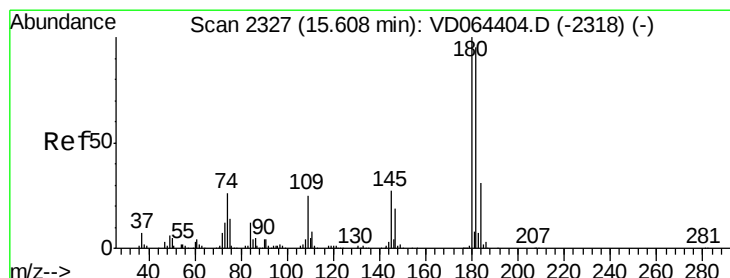
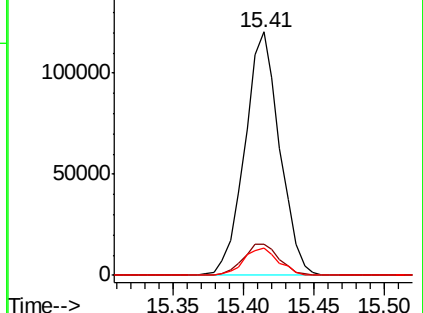
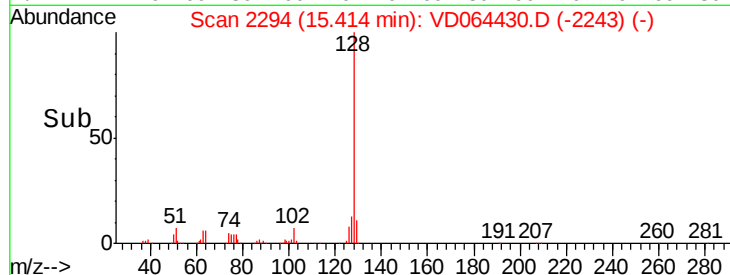


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.669 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064430.D

Acq: 05 Dec 2019 12:14

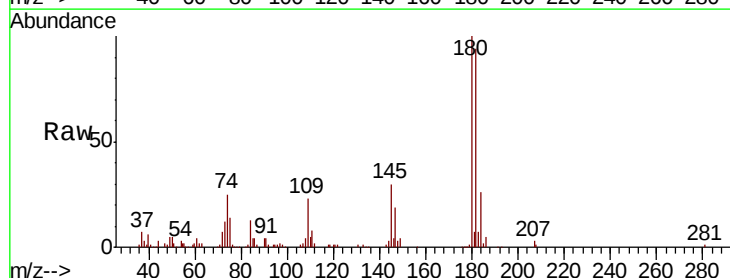
Tgt Ion:180 Resp: 105598

Ion Ratio Lower Upper

180 100

182 97.5 47.6 142.9

145 30.0 14.6 43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

