

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059875.D
 Acq On : 22 Aug 2018 14:37
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
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apatel
 8/23/2018 10:52:46 AM

Quant Time: Aug 23 01:38:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1181385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1642903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1359501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	727637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	663738	69.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.82%	
35) Dibromofluoromethane	6.33	113	878236	69.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.94%	
50) Toluene-d8	9.47	98	2363611	68.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.88%	
62) 4-Bromofluorobenzene	12.43	95	965425	69.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	726889	70.56	ug/l	100
3) Chloromethane	1.75	50	660673	69.46	ug/l	98
4) Vinyl Chloride	1.84	62	546867	73.16	ug/l	98
5) Bromomethane	2.14	94	67614	76.97	ug/l	91
6) Chloroethane	2.24	64	156063	82.22	ug/l	99
7) Trichlorofluoromethane	2.50	101	608803	75.10	ug/l	98
8) Diethyl Ether	2.82	74	135629	73.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	372193	72.15	ug/l	97
10) Methyl Iodide	3.24	142	430783	88.35	ug/l	96
11) Tert butyl alcohol	3.98	59	256603	331.65	ug/l	100
12) 1,1-Dichloroethene	3.07	96	290257	73.90	ug/l	96
13) Acrolein	2.98	56	121082	394.55	ug/l	99
14) Allyl chloride	3.53	41	659932	71.35	ug/l	97
15) Acrylonitrile	4.08	53	967980	342.83	ug/l	100
16) Acetone	3.16	43	627411	364.49	ug/l	99
17) Carbon Disulfide	3.31	76	932004	76.30	ug/l	100
18) Methyl Acetate	3.55	43	245423	64.65	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1595431	67.87	ug/l	98
20) Methylene Chloride	3.72	84	856897	60.67	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	807987	72.64	ug/l	98
22) Diisopropyl ether	4.86	45	3354380	71.27	ug/l	98
23) Vinyl Acetate	4.81	43	9226792	351.79	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1485856	73.21	ug/l	100
25) 2-Butanone	5.63	43	1893015	368.24	ug/l	98
26) 2,2-Dichloropropane	5.59	77	1128100	68.04	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	883596	71.56	ug/l	98
28) Bromochloromethane	5.93	49	687101	70.48	ug/l	93
29) Tetrahydrofuran	5.96	42	872512	340.14	ug/l	99
30) Chloroform	6.11	83	1501049	72.44	ug/l	98
31) Cyclohexane	6.38	56	1262153	68.08	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1235149	70.28	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1074577	73.75	ug/l	100
37) Ethyl Acetate	5.71	43	748958	64.06	ug/l	99
38) Carbon Tetrachloride	6.51	117	1064634	72.09	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1172707	72.92	ug/l	99
40) Benzene	6.80	78	2808922	73.56	ug/l	100
41) Methacrylonitrile	5.93	41	445313m	42.44	ug/l	
42) 1,2-Dichloroethane	6.90	62	890342	71.49	ug/l	99
43) Isopropyl Acetate	8.36	43	1053714	68.59	ug/l	99
44) Trichloroethene	7.75	130	837847	74.70	ug/l	94
45) 1,2-Dichloropropane	8.11	63	766580	70.91	ug/l	97
46) Dibromomethane	8.23	93	501545	72.39	ug/l	95
47) Bromodichloromethane	8.50	83	1103473	70.46	ug/l	100
48) Methyl methacrylate	8.26	41	620085	71.70	ug/l	98
49) 1,4-Dioxane	8.25	88	110734	1404.16	ug/l	96
51) 4-Methyl-2-Pentanone	9.36	43	3996081	374.24	ug/l	99
52) Toluene	9.57	92	1791230	72.91	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1040980	71.62	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1210707	71.57	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	579060	64.70	ug/l	99
56) Ethyl methacrylate	10.04	69	726327	68.22	ug/l	98
57) 1,3-Dichloropropane	10.39	76	921241	70.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	1765038	347.88	ug/l	95
59) 2-Hexanone	10.50	43	2932758	378.75	ug/l	99
60) Dibromochloromethane	10.65	129	812033	71.25	ug/l	99
61) 1,2-Dibromoethane	10.77	107	653613	70.82	ug/l	99
64) Tetrachloroethene	10.26	164	747068	71.91	ug/l	98
65) Chlorobenzene	11.32	112	1895272	71.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	692735	71.77	ug/l	99
67) Ethyl Benzene	11.44	91	3169743	72.74	ug/l	98
68) m/p-Xylenes	11.57	106	2283747	145.20	ug/l	98
69) o-Xylene	11.94	106	1159106	75.07	ug/l	97
70) Styrene	11.97	104	1997305	74.47	ug/l	100
71) Bromoform	12.12	173	615897	71.90	ug/l	99
73) Isopropylbenzene	12.28	105	3234273	70.49	ug/l	99
74) N-amyl acetate	12.14	43	1338074	65.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	717242	68.00	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	764222	67.29	ug/l	100
77) Bromobenzene	12.55	156	884916	69.46	ug/l	90
78) n-propylbenzene	12.65	91	3894288	68.30	ug/l	97
79) 2-Chlorotoluene	12.71	91	2262561	69.64	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	2480831	69.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	240708	68.84	ug/l	97
82) 4-Chlorotoluene	12.81	91	2488570	68.62	ug/l	94
83) tert-Butylbenzene	13.05	119	2893450	69.80	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	2638934	70.24	ug/l	99
85) sec-Butylbenzene	13.23	105	3373410	69.46	ug/l	98
86) p-Isopropyltoluene	13.34	119	2755984	70.15	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	1560454	69.01	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1551113	68.78	ug/l	96
89) n-Butylbenzene	13.65	91	2521386	65.32	ug/l	98
90) Hexachloroethane	13.87	117	737026	68.89	ug/l	83
91) 1,2-Dichlorobenzene	13.67	146	1233458	65.44	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	109085	65.56	ug/l	79

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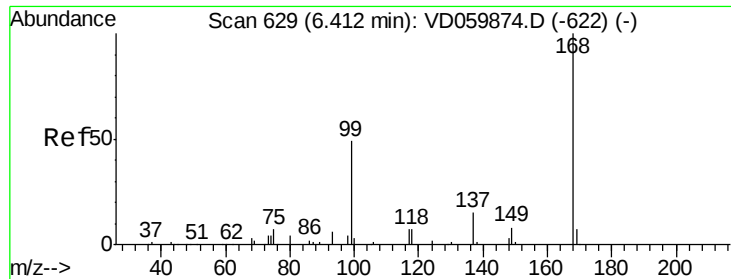
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1151325	71.14	ug/l	98
94) Hexachlorobutadiene	14.89	225	771855	71.90	ug/l	99
95) Naphthalene	14.97	128	1738662	67.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	988455	69.64	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 1181385

Ion Ratio Lower Upper

168 100

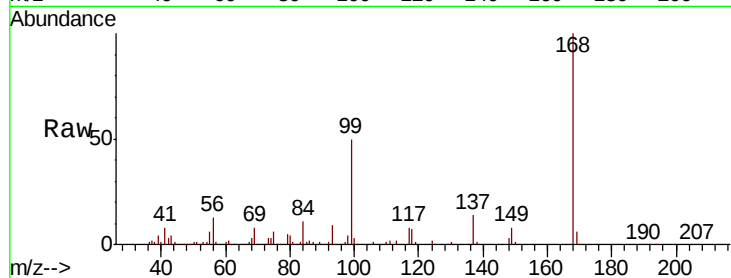
99 49.8 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

300000

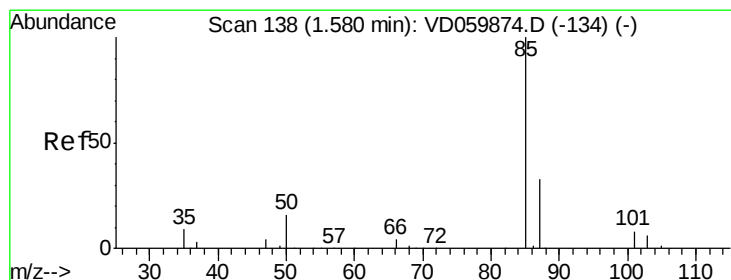
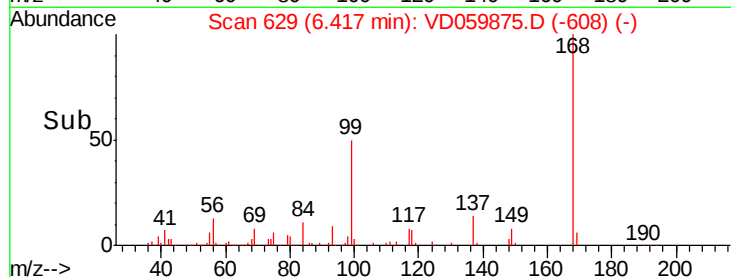
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 70.56 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059875.D

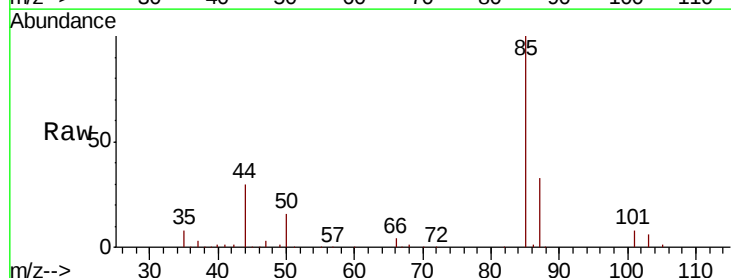
Acq: 22 Aug 2018 14:37

Tgt Ion: 85 Resp: 726889

Ion Ratio Lower Upper

85 100

87 33.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

300000

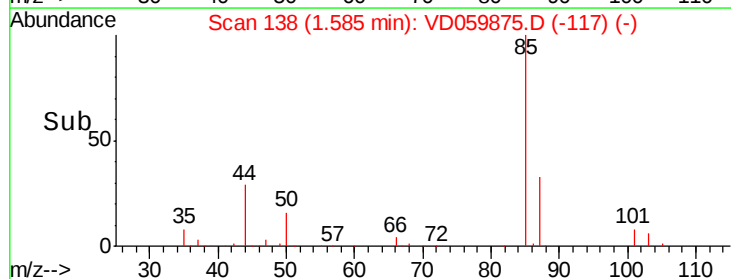
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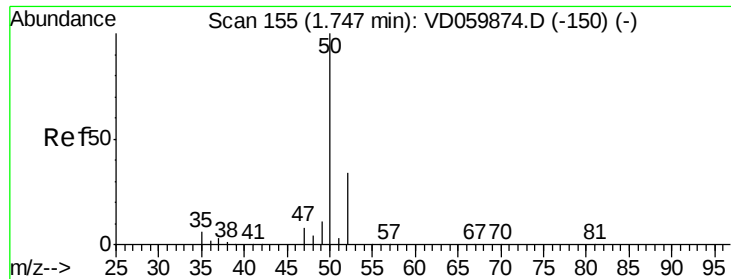
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 69.46 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 660673

Ion Ratio Lower Upper

50 100

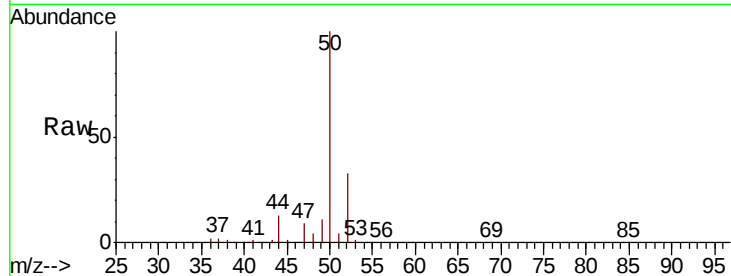
52 32.9 27.0 40.6

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

250000

200000

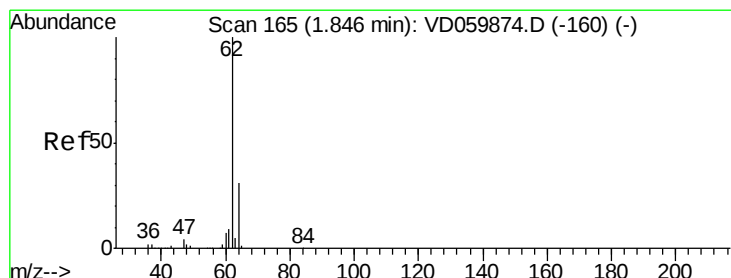
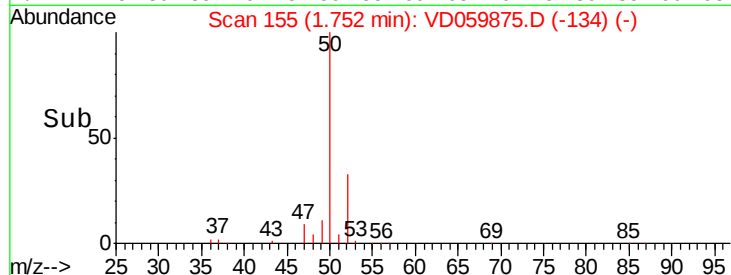
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 73.16 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059875.D

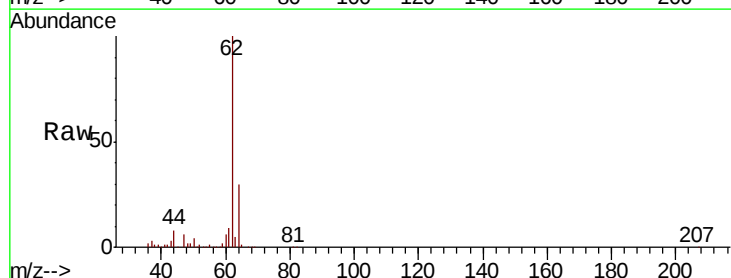
Acq: 22 Aug 2018 14:37

Tgt Ion: 62 Resp: 546867

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

300000

250000

200000

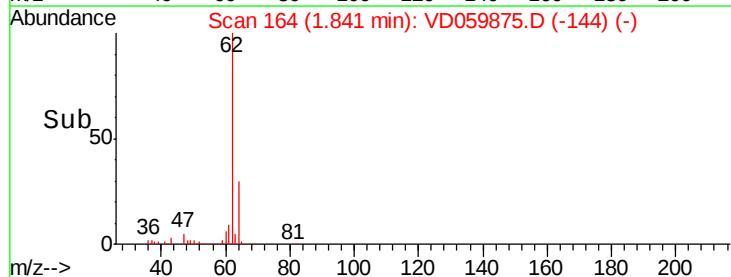
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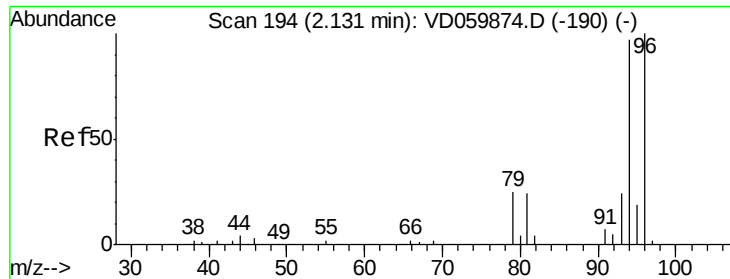
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 76.97 ug/l

RT: 2.14 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 67614

Ion Ratio Lower Upper

94 100

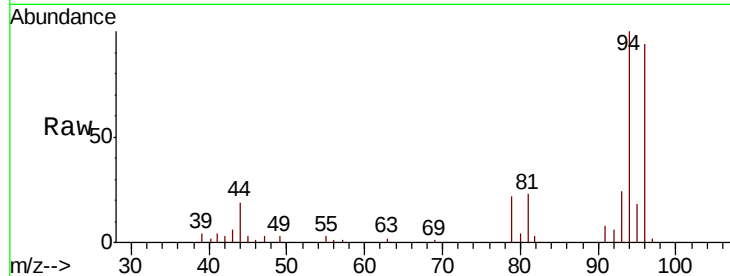
96 94.2 82.4 123.6

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

30000

25000

20000

15000

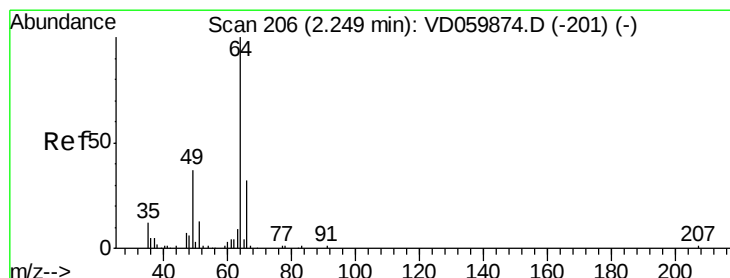
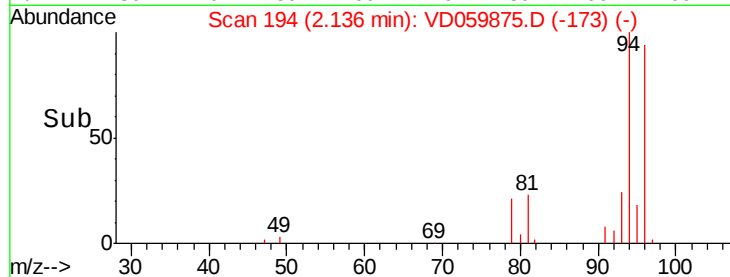
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 82.22 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059875.D

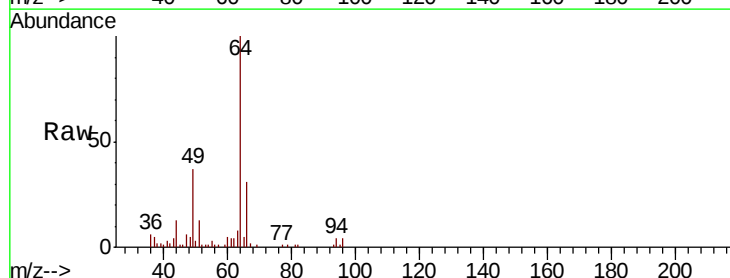
Acq: 22 Aug 2018 14:37

Tgt Ion: 64 Resp: 156063

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

60000

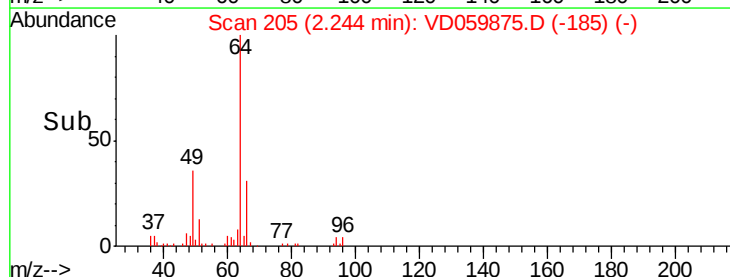
40000

20000

0

Time-->

2.10 2.20 2.30 2.40





#7

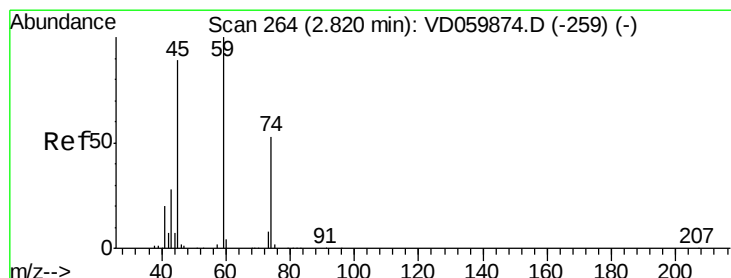
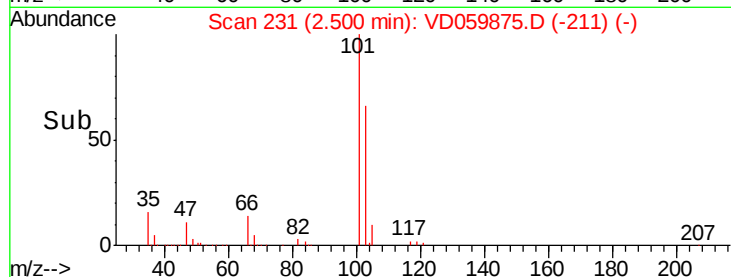
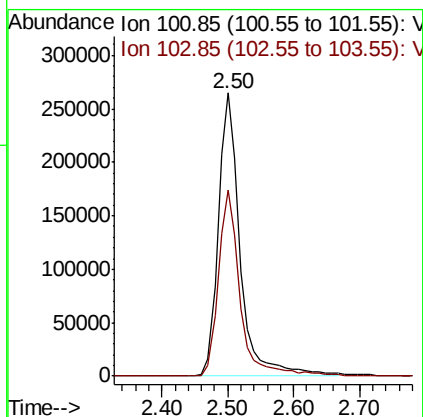
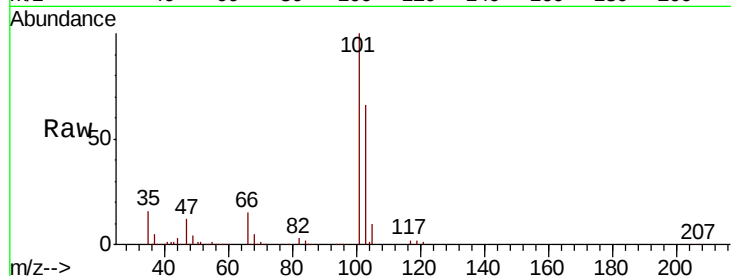
Trichlorofluoromethane
Concen: 75.10 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

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VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
101	100	608803		
103	65.6	53.7	80.5	

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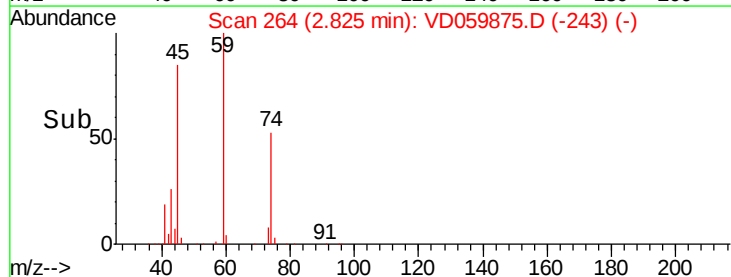
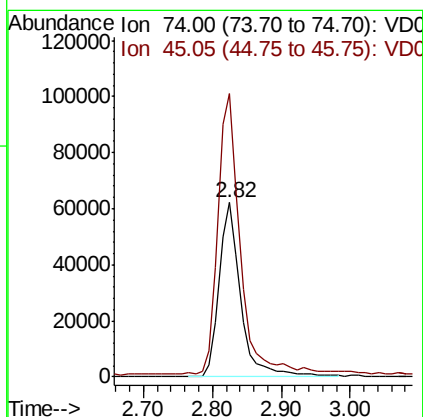
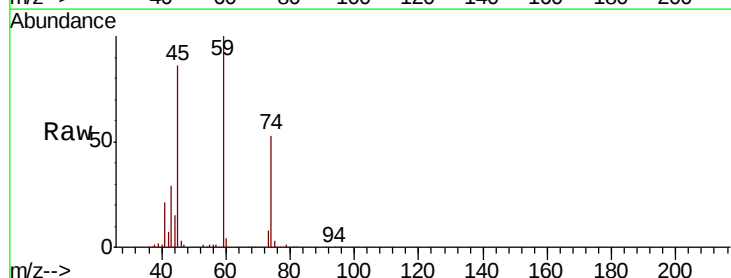
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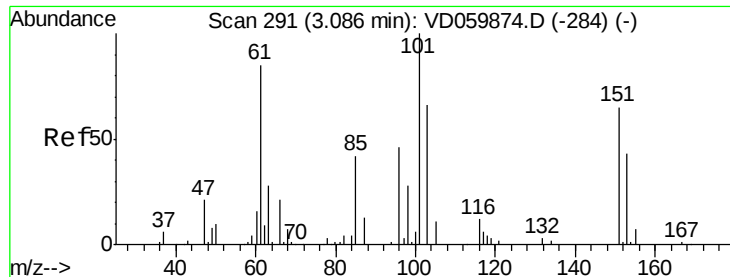


#8

Diethyl Ether
Concen: 73.12 ug/l
RT: 2.82 min Scan# 264
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	135629		
45	162.6	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.15 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

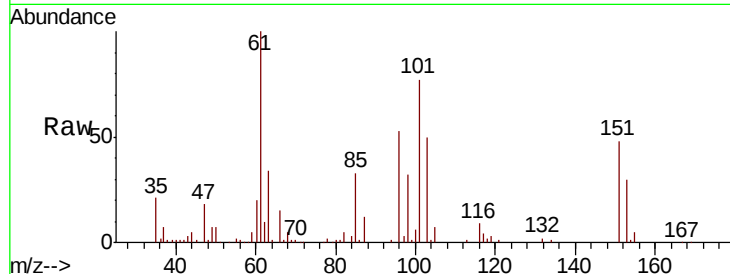
ClientSampleId :

VSTDIC075

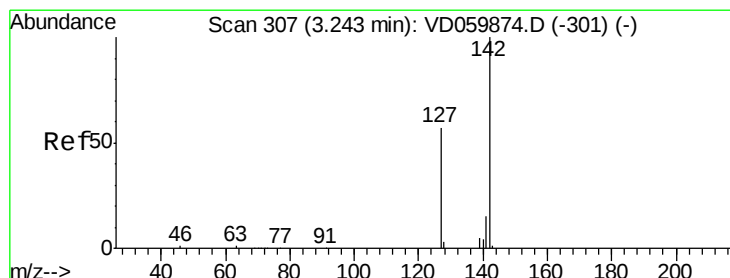
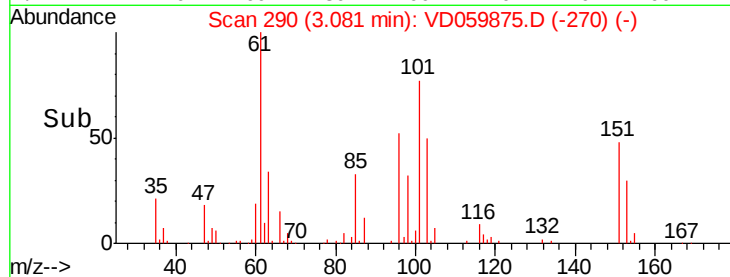
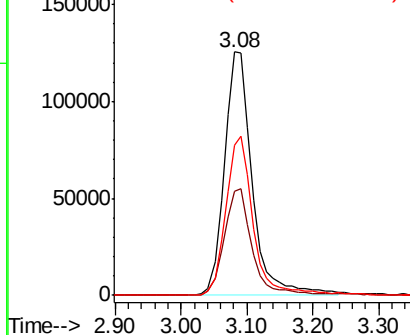
Tot Ion:	101	Resp:	372193
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.6	50.4
151	61.5	52.0	78.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 88.35 ug/l

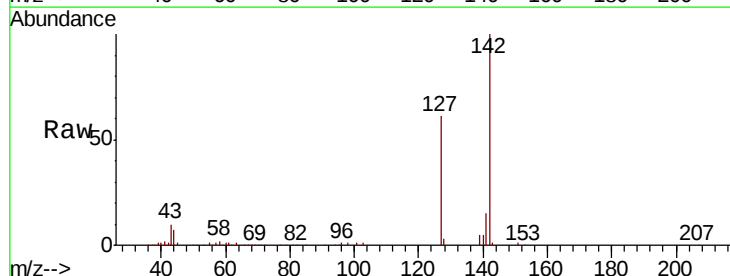
RT: 3.24 min Scan# 306

Delta R.T. -0.01 min

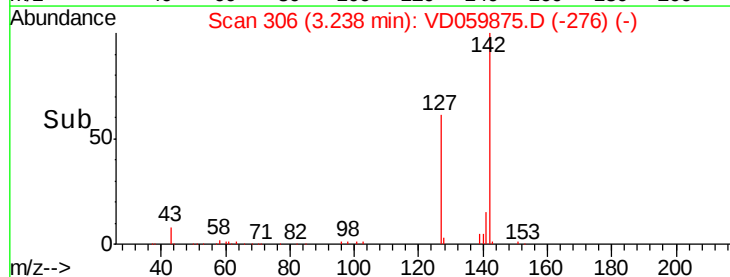
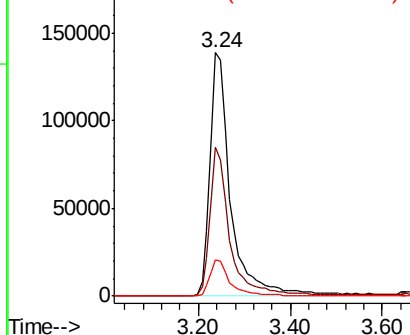
Lab File: VD059875.D

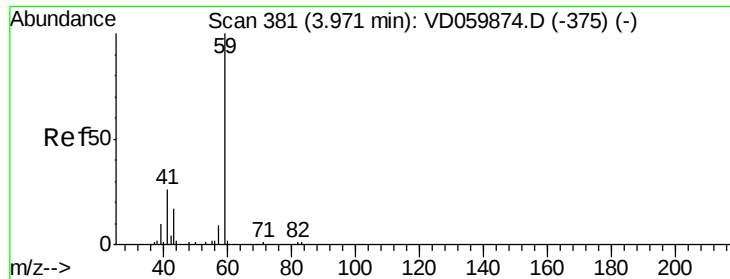
Acq: 22 Aug 2018 14:37

Tgt Ion:	142	Resp:	430783
Ion Ratio	Lower	Upper	
142	100		
127	61.0	45.8	68.6
141	14.9	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





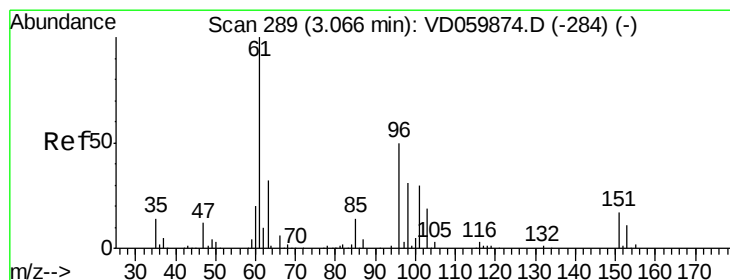
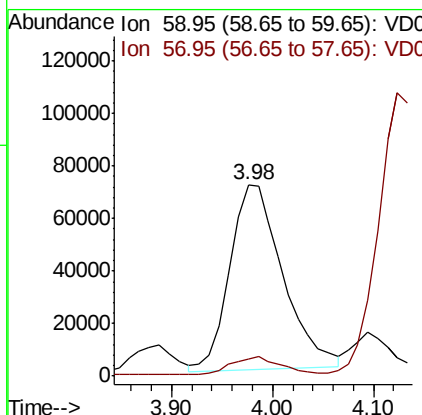
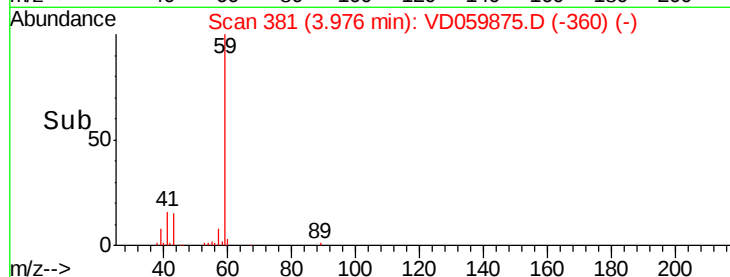
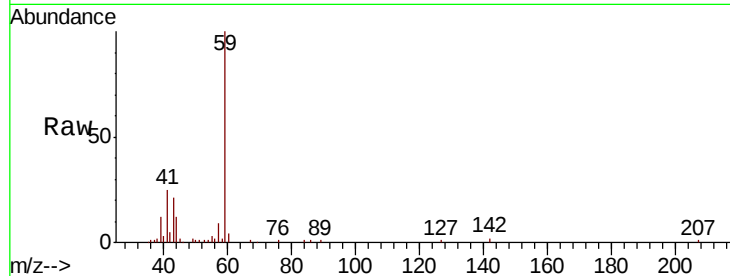
#11
Tert butyl alcohol
Concen: 331.65 ug/l
RT: 3.98 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	59	Resp	256603
Ion Ratio	100	Lower	Upper
57	9.2	7.4	11.0

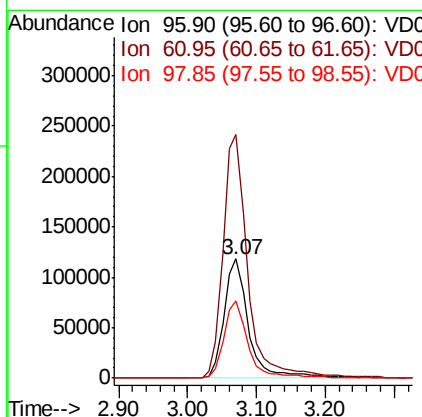
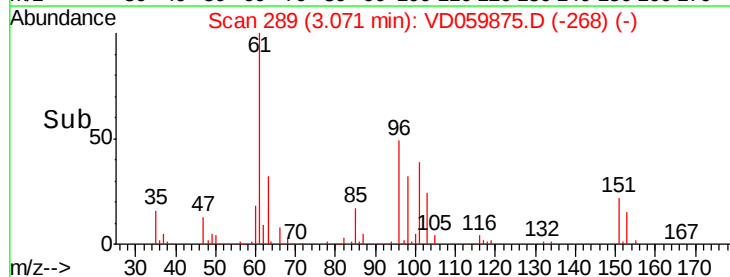
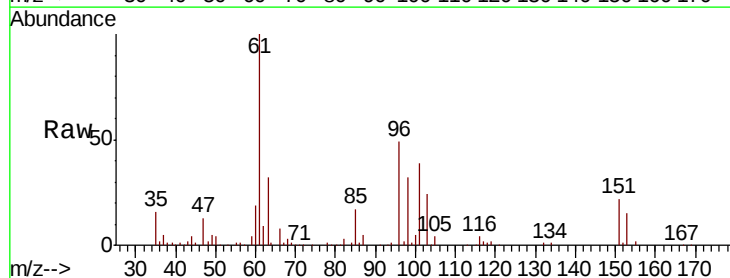
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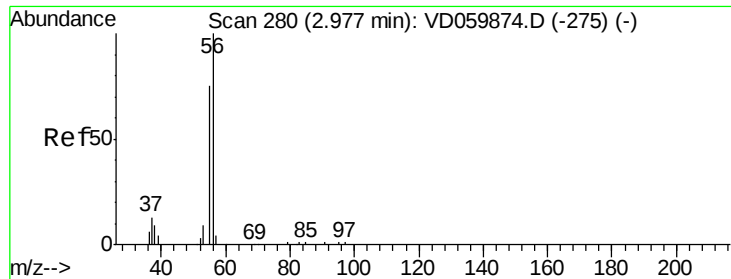
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#12
1,1-Dichloroethene
Concen: 73.90 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	96	Resp	290257
Ion Ratio	100	Lower	Upper
61	204.6	158.8	238.2
98	65.1	48.7	73.1





#13

Acrolein

Concen: 394.55 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 121082

Ion Ratio Lower Upper

56 100

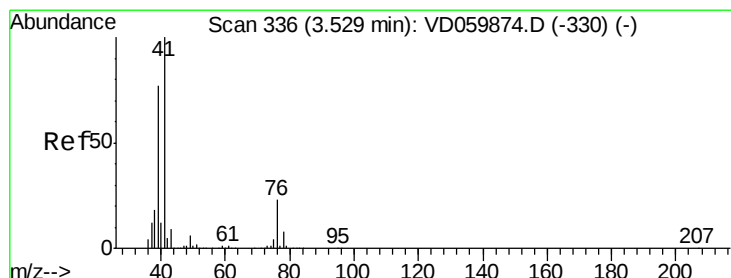
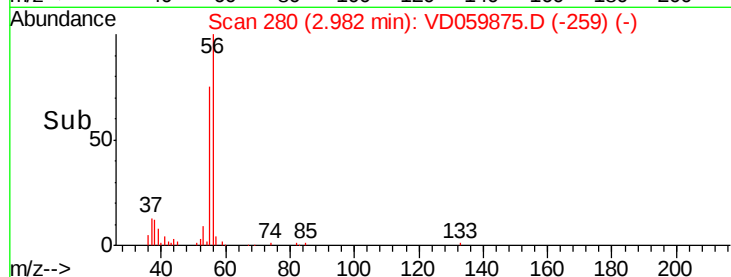
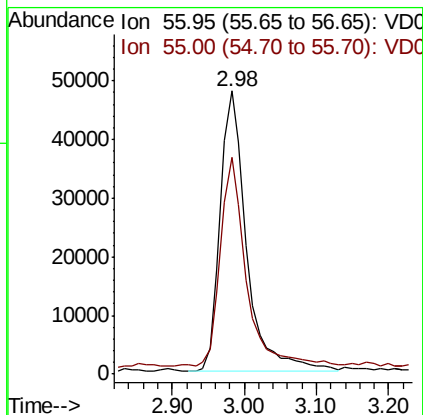
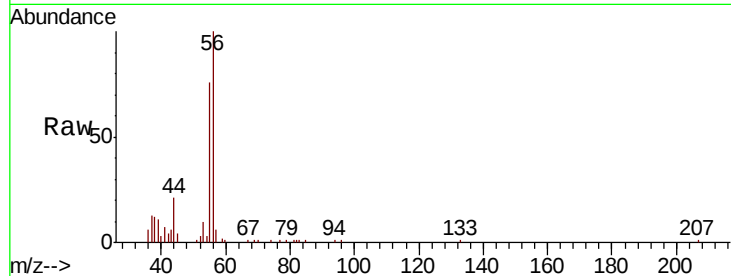
55 76.4 61.9 92.9

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#14

Allyl chloride

Concen: 71.35 ug/l

RT: 3.53 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

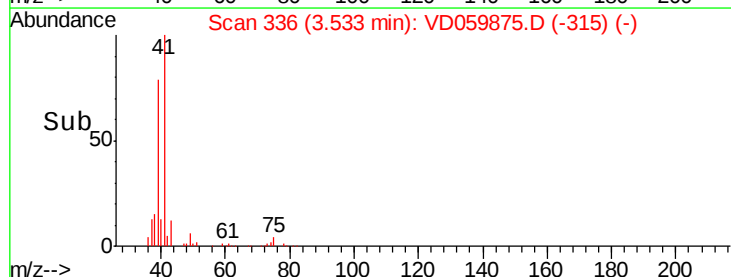
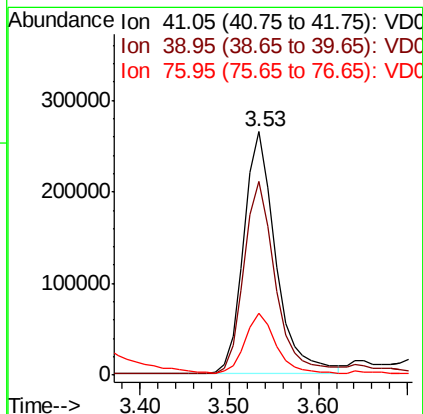
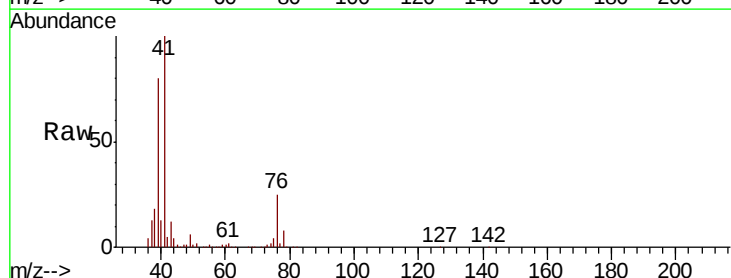
Tgt Ion: 41 Resp: 659932

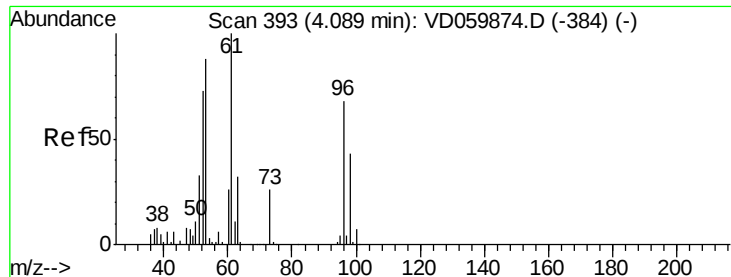
Ion Ratio Lower Upper

41 100

39 79.6 61.8 92.6

76 25.4 19.4 29.2





#15

Acrylonitrile

Concen: 342.83 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

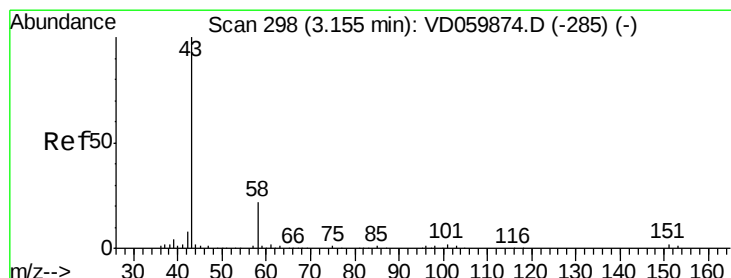
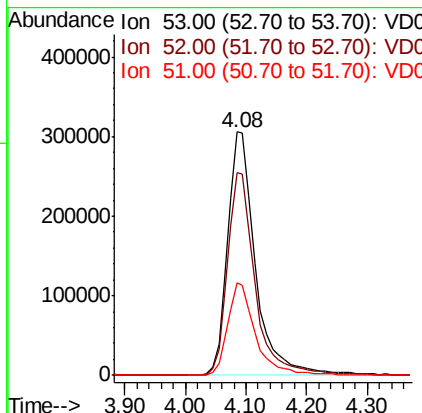
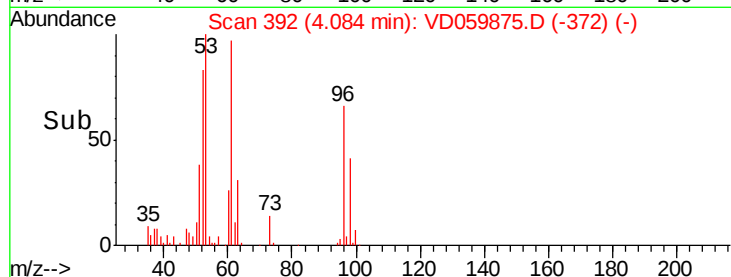
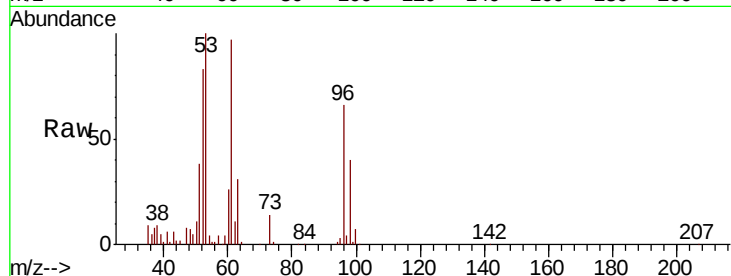
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	967980
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	37.9	30.3	45.5

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#16

Acetone

Concen: 364.49 ug/l

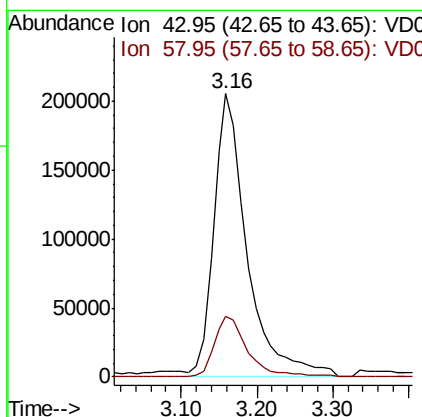
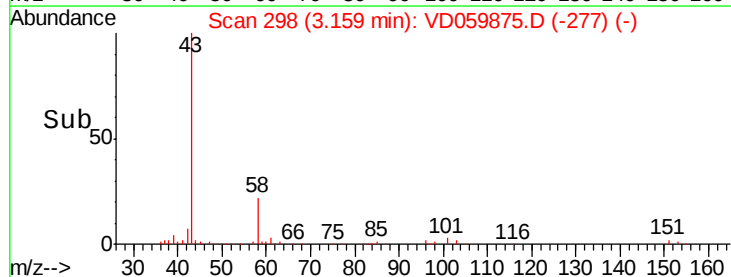
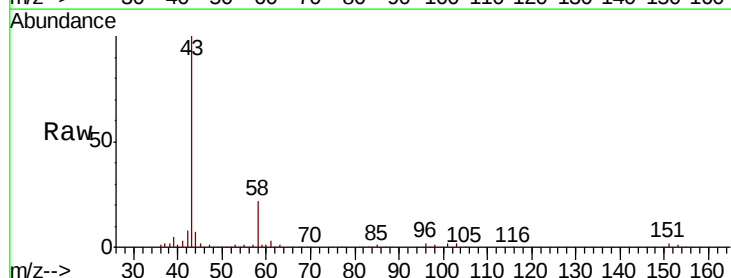
RT: 3.16 min Scan# 298

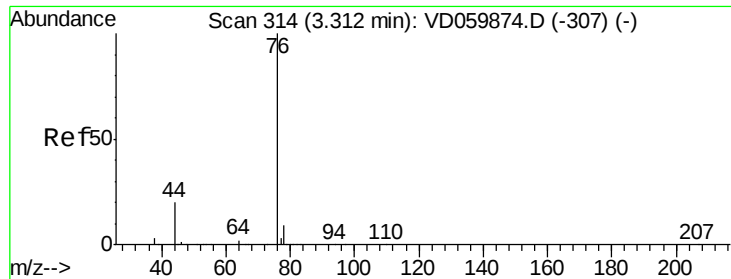
Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion:	43	Resp:	627411
Ion	Ratio	Lower	Upper
43	100		
58	21.6	17.6	26.4





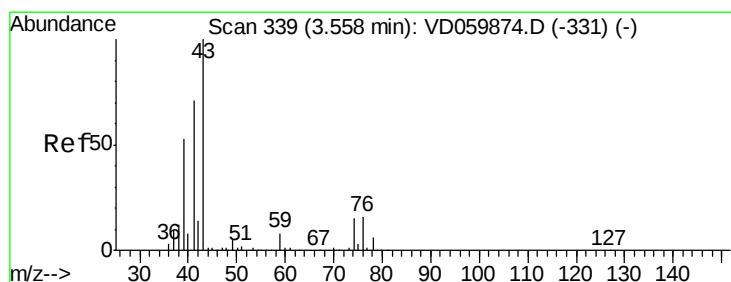
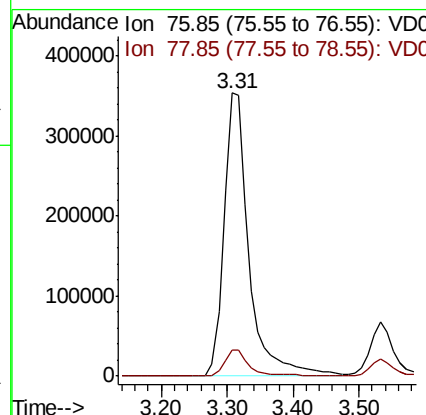
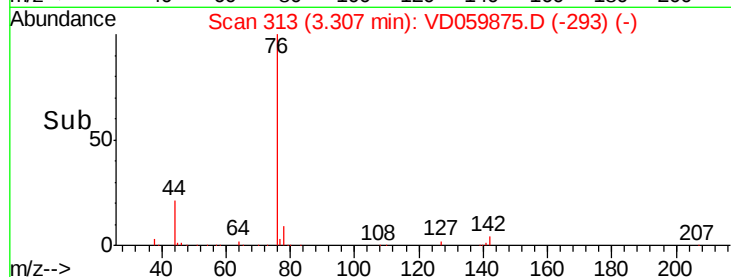
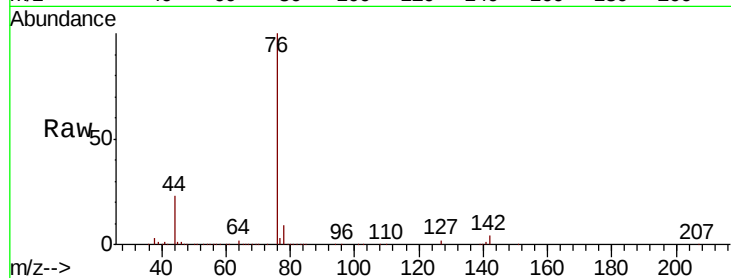
#17
Carbon Disulfide
Concen: 76.30 ug/l
RT: 3.31 min Scan# 313
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

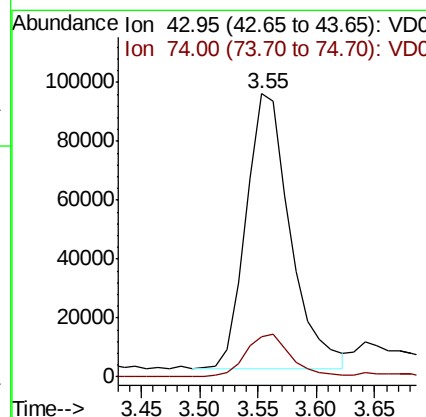
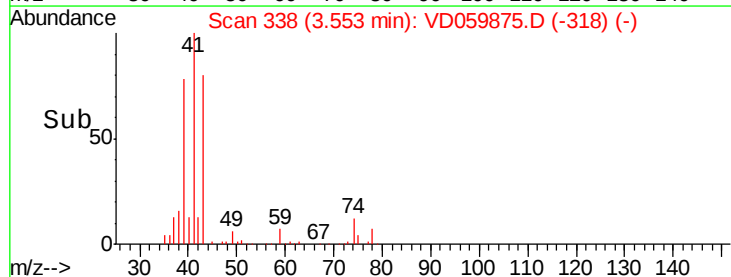
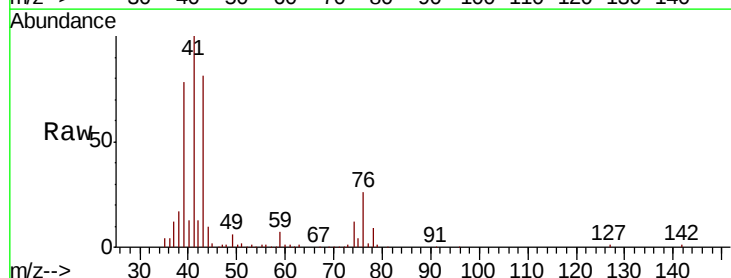
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#18
Methyl Acetate
Concen: 64.65 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.4	11.2	16.8





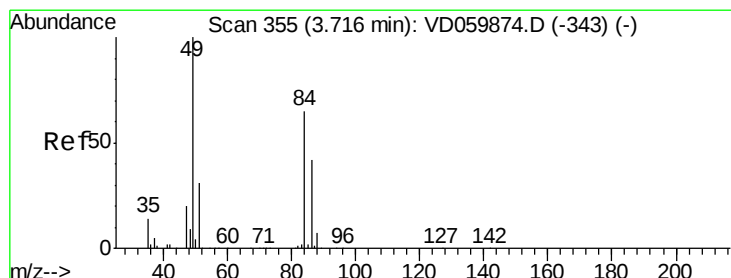
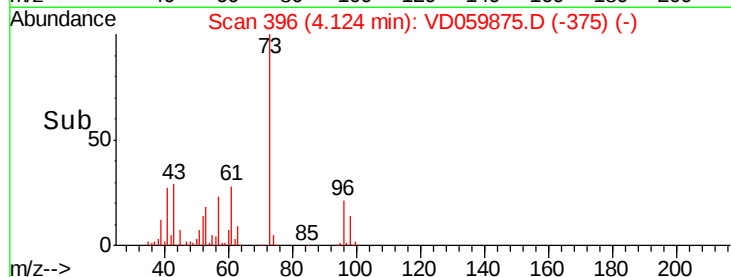
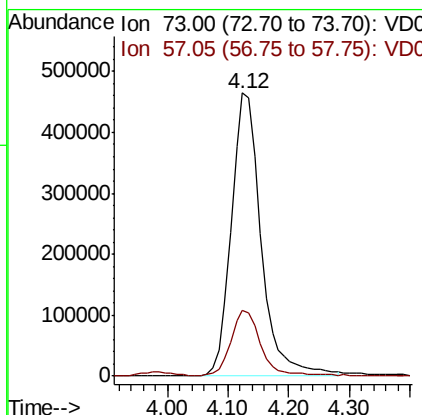
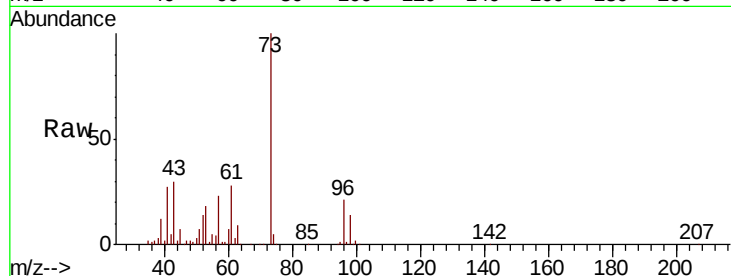
#19
Methvl tert-butvl Ether
Concen: 67.87 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1595431
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

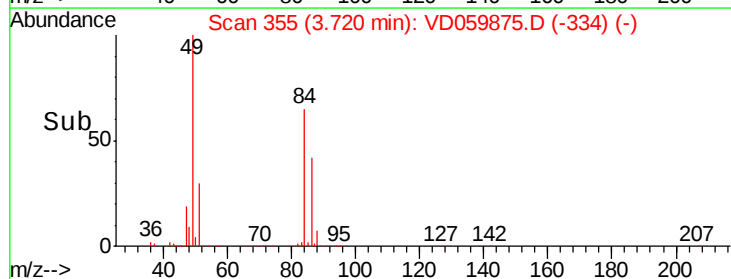
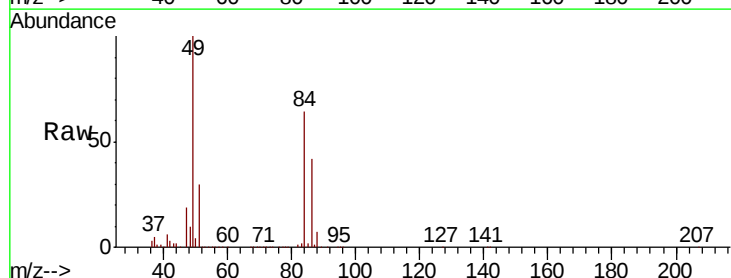
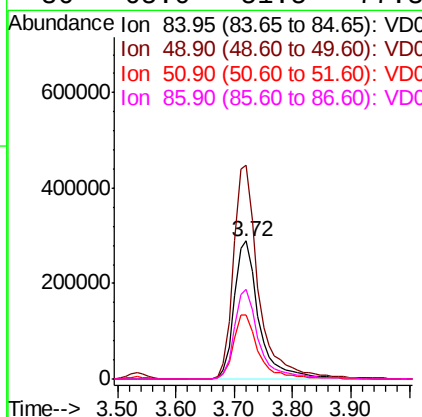
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#20
Methylene Chloride
Concen: 60.67 ug/l
RT: 3.72 min Scan# 355
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 84 Resp: 856897
Ion Ratio Lower Upper
84 100
49 155.1 122.6 183.8
51 46.2 38.4 57.6
86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 72.64 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

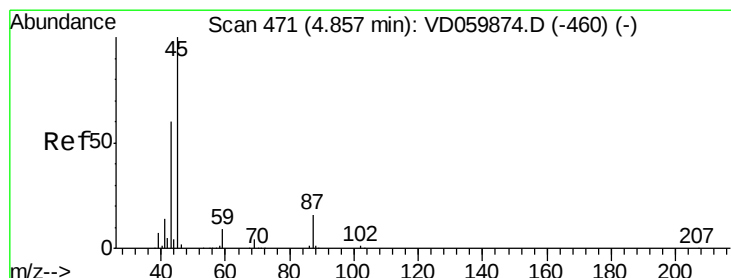
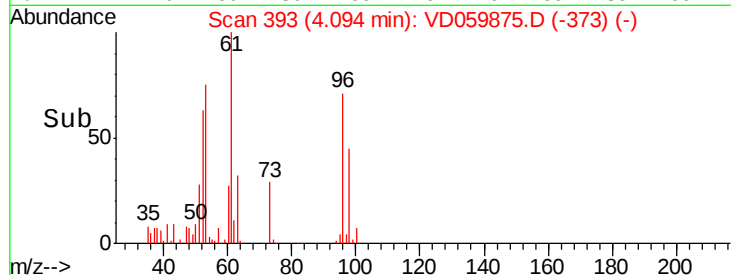
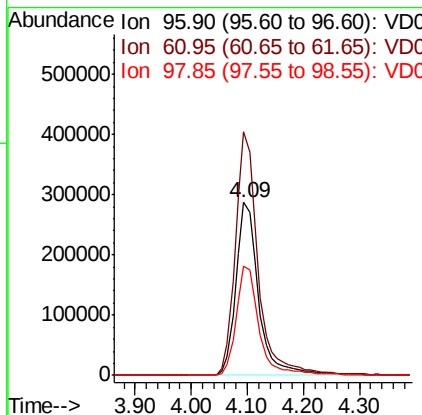
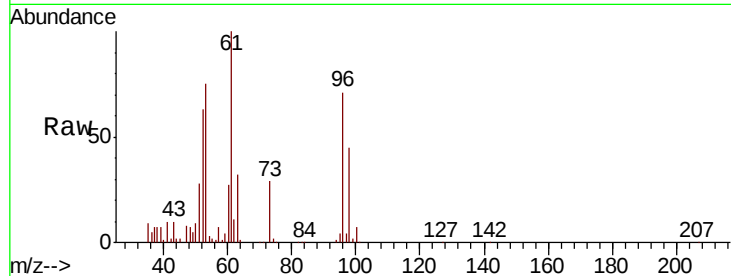
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	807987
Ion	Ratio	Lower	Upper
96	100		
61	141.0	110.2	165.4
98	63.4	50.9	76.3

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#22

Diisopropyl ether

Concen: 71.27 ug/l

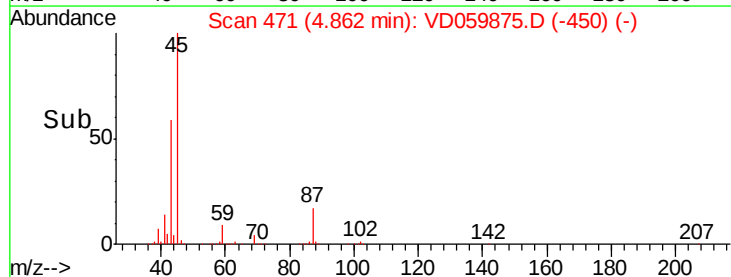
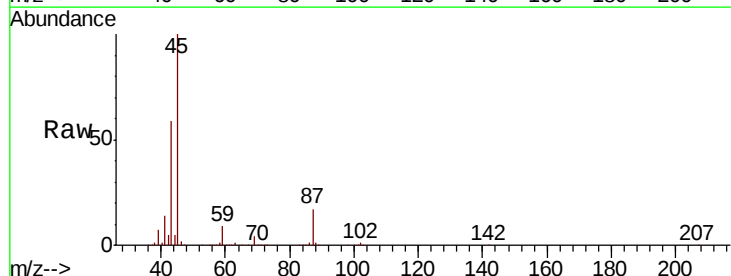
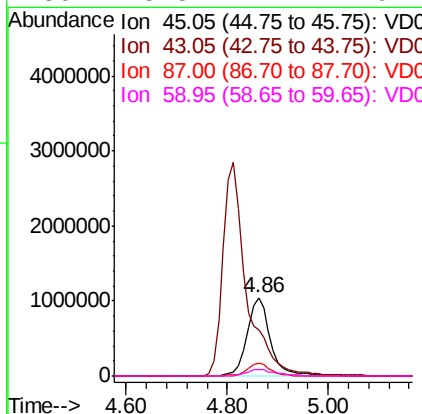
RT: 4.86 min Scan# 471

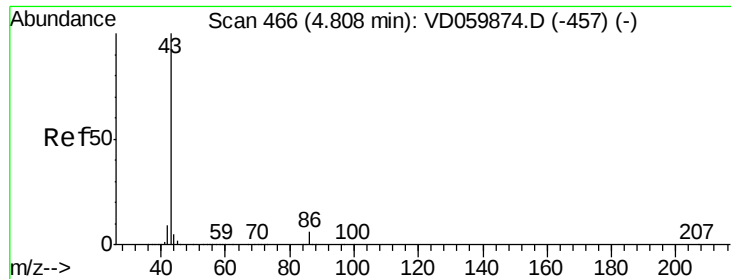
Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion:	45	Resp:	3354380
Ion	Ratio	Lower	Upper
45	100		
43	58.7	48.6	72.8
87	16.6	13.3	19.9
59	8.8	7.1	10.7





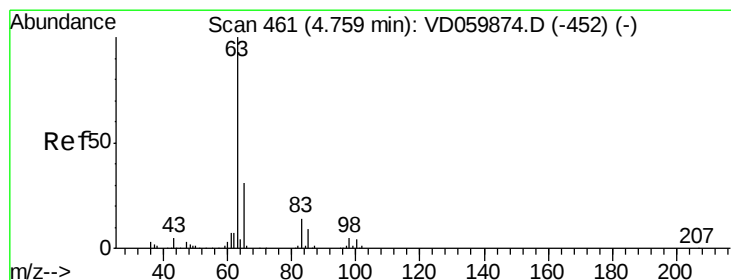
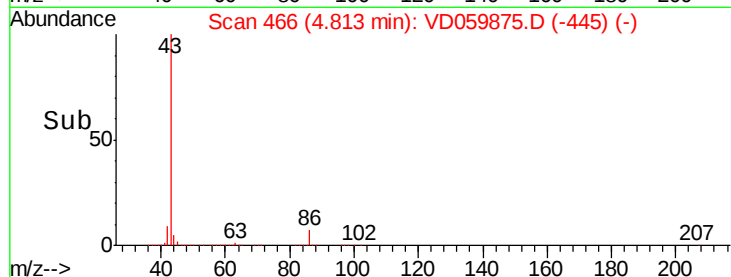
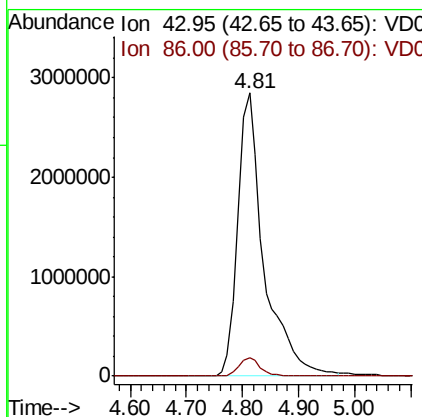
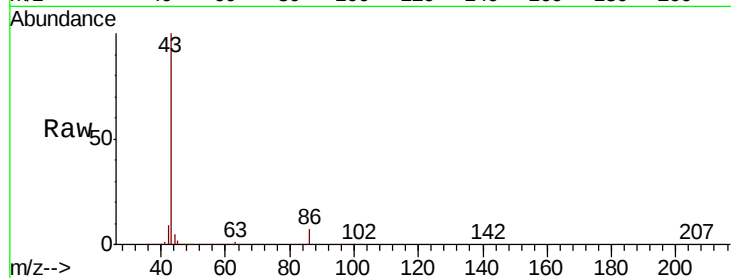
#23
 Vinyl Acetate
 Concen: 351.79 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 43 Resp: 9226792
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.0 7.6

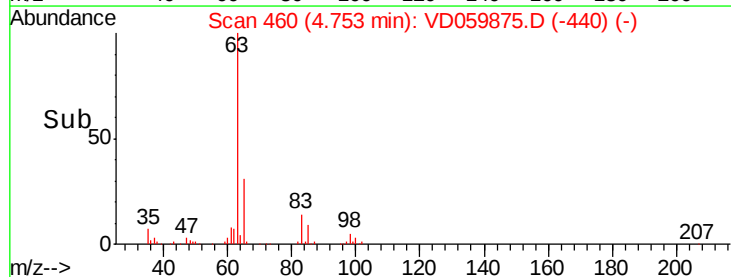
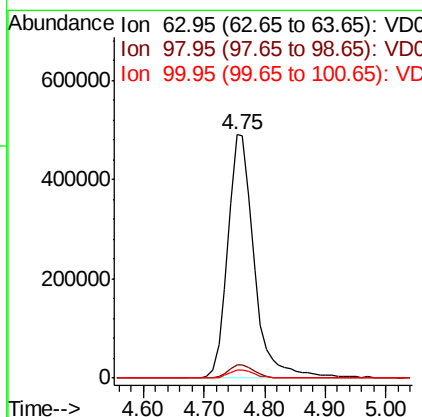
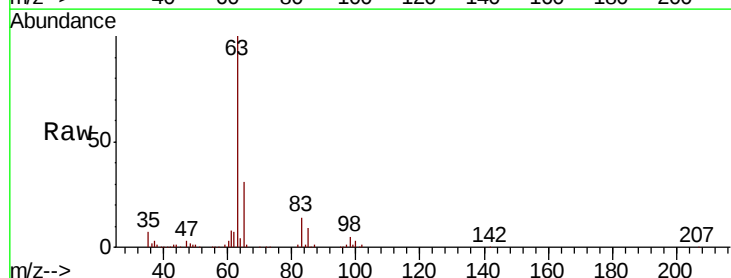
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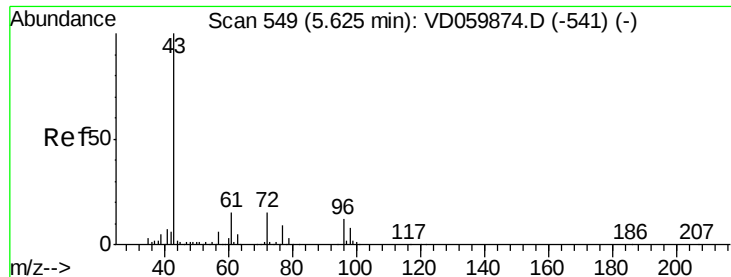
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#24
 1,1-Dichloroethane
 Concen: 73.21 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 63 Resp: 1485856
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.7 8.1
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 368.24 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1893015

Ion Ratio Lower Upper

43 100

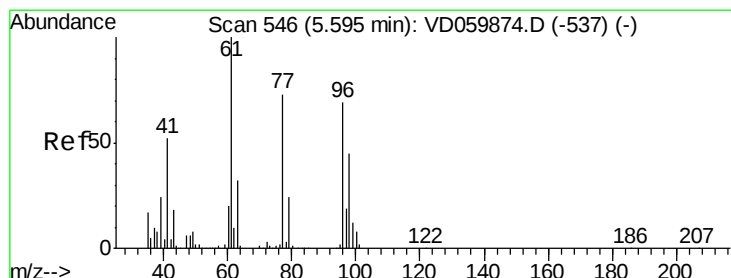
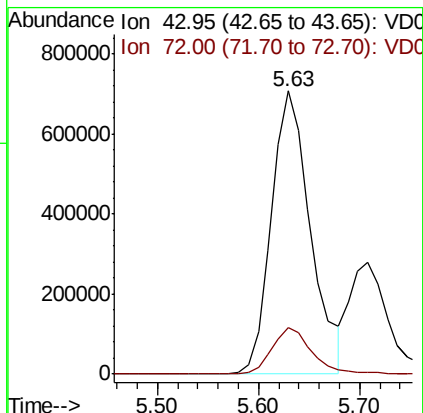
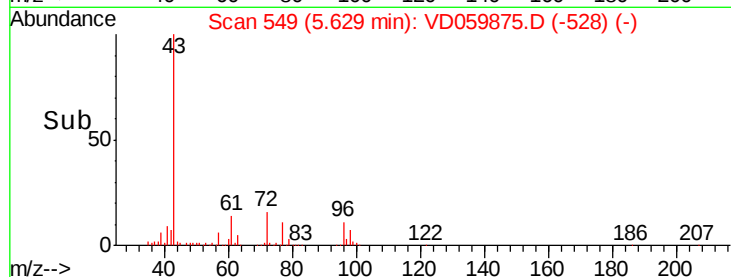
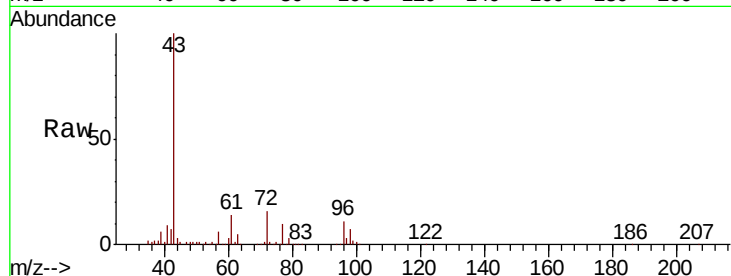
72 16.2 12.3 18.5

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#26

2,2-Dichloropropane

Concen: 68.04 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059875.D

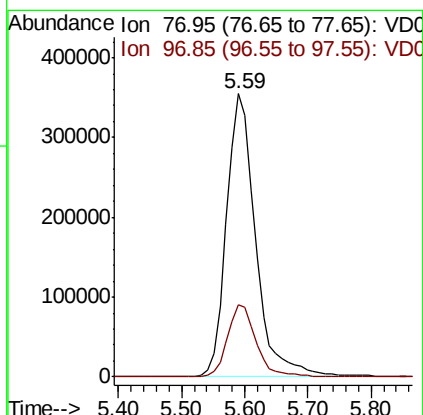
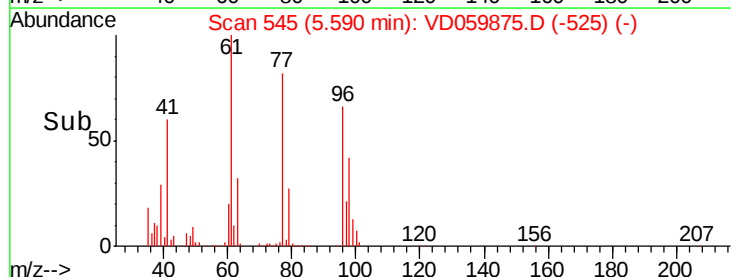
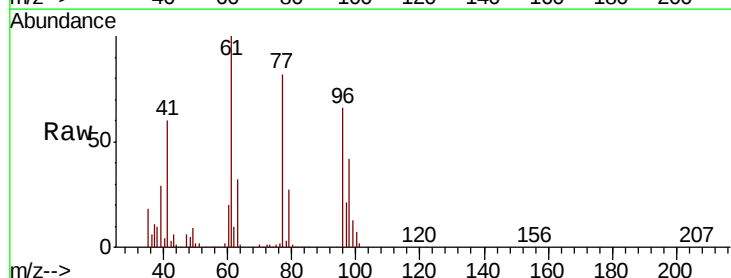
Acq: 22 Aug 2018 14:37

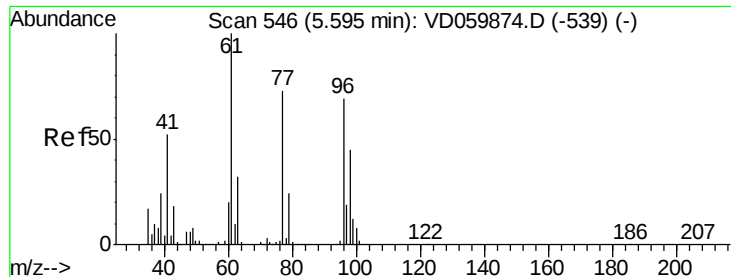
Tgt Ion: 77 Resp: 1128100

Ion Ratio Lower Upper

77 100

97 25.4 13.0 38.9





#27

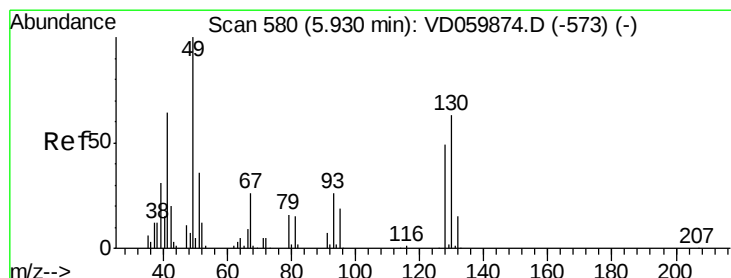
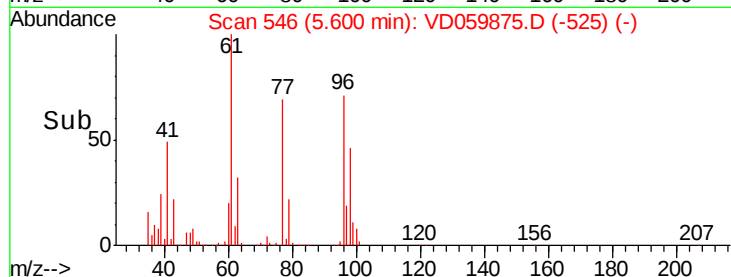
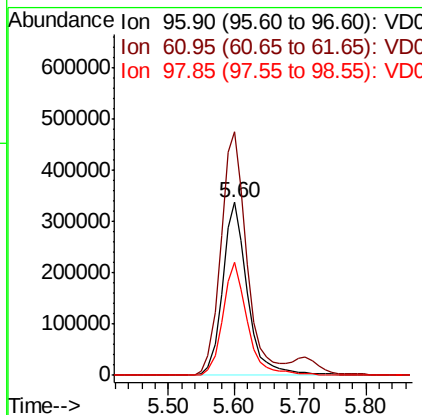
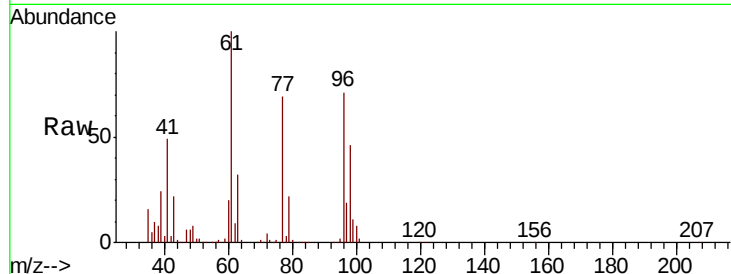
cis-1,2-Dichloroethene
Concen: 71.56 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	883596		
61	140.9		0.0	290.2
98	65.1		0.0	130.4

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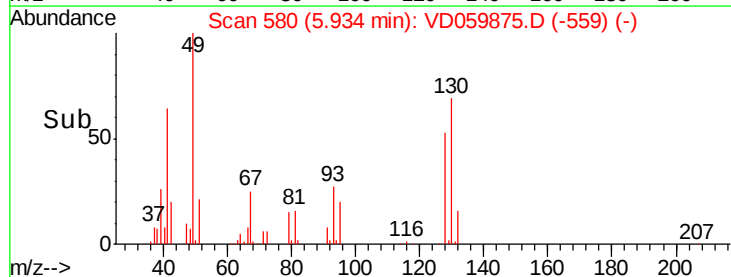
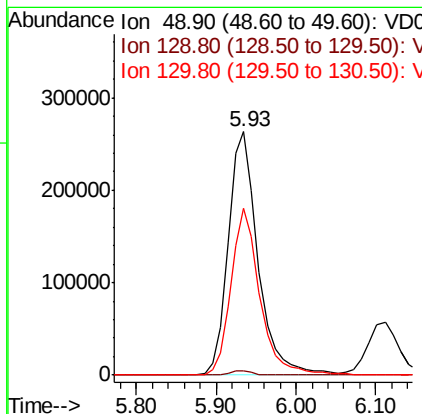
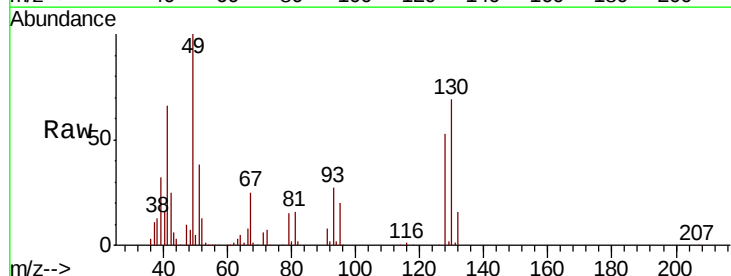
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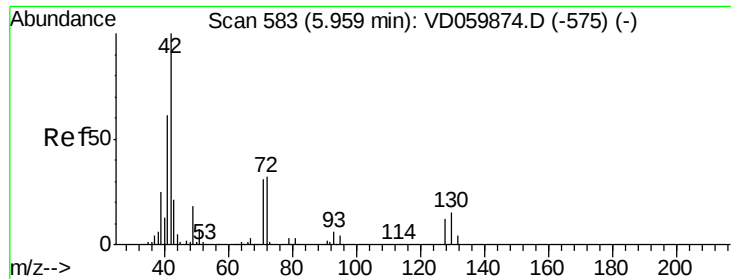


#28

Bromochloromethane
Concen: 70.48 ug/l
RT: 5.93 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	687101		
129	1.7		0.0	3.2
130	68.5		50.6	75.8





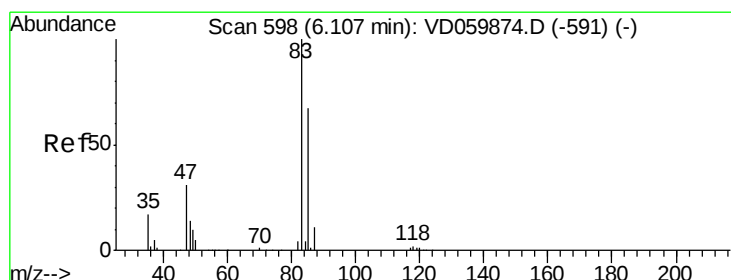
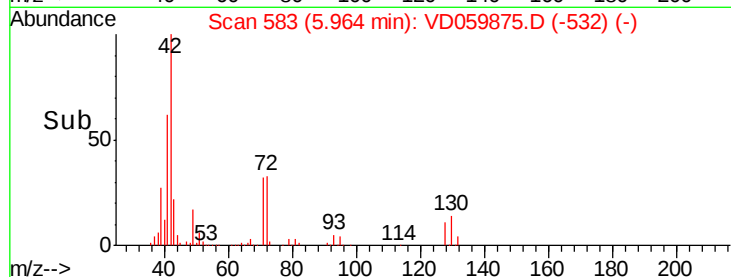
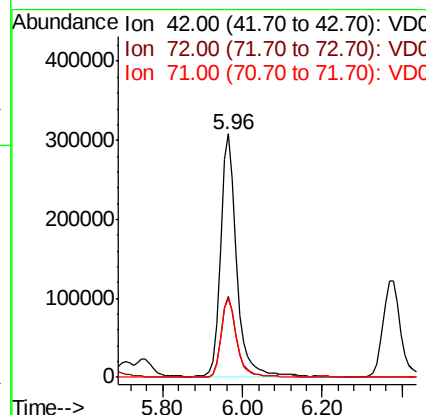
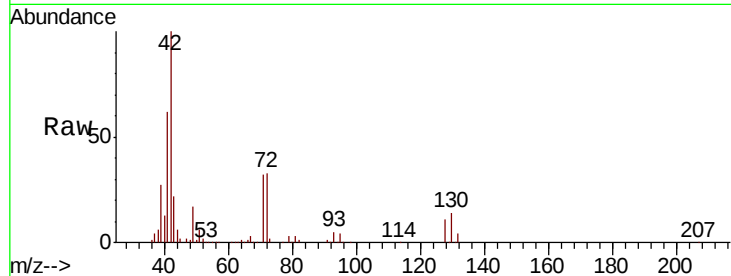
#29
Tetrahydrofuran
Concen: 340.14 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.7	25.7	38.5
71	32.3	25.3	37.9

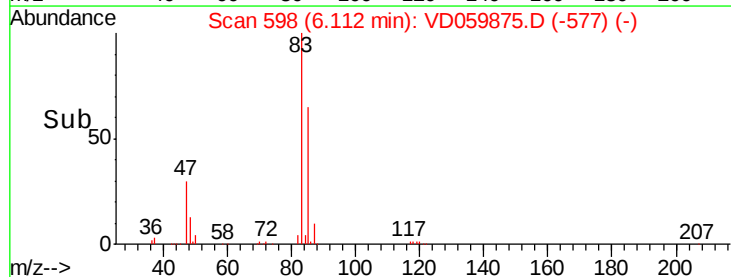
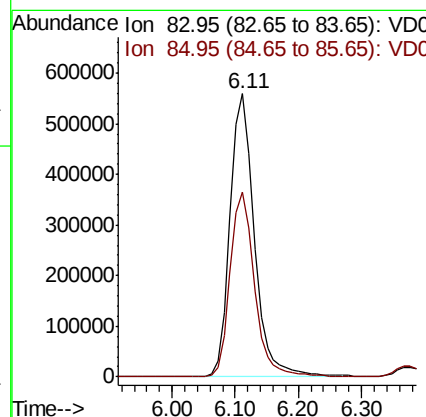
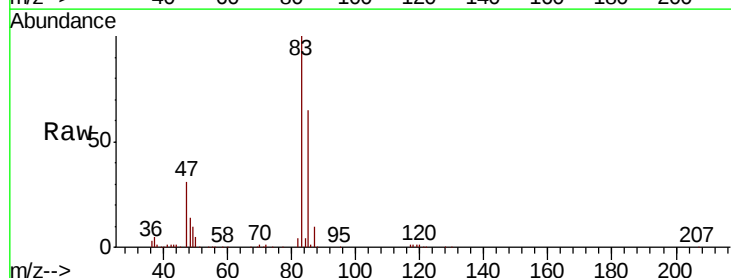
Manual Integrations
APPROVED

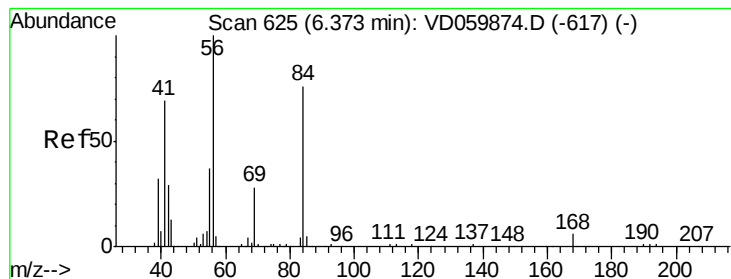
apatel
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#30
Chloroform
Concen: 72.44 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.5	80.3





#31

Cyclohexane

Concen: 68.08 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 1262153

Ion Ratio Lower Upper

56 100

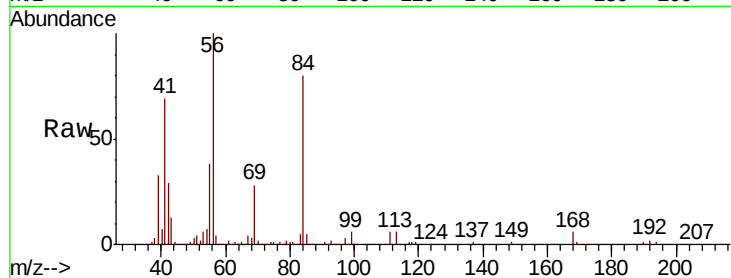
69 28.4 22.4 33.6

84 79.8 62.1 93.1

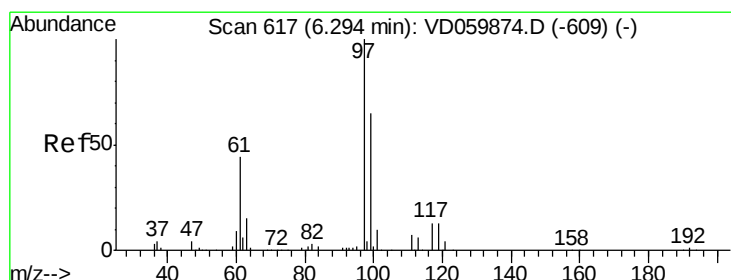
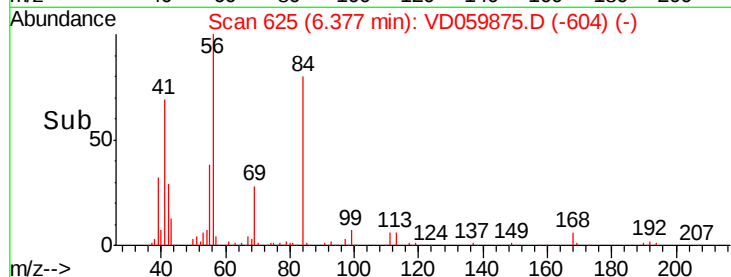
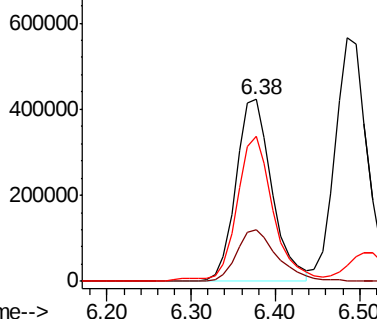
Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 70.28 ug/l

RT: 6.30 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

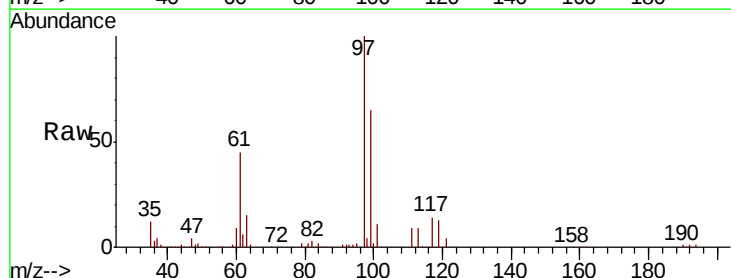
Tgt Ion: 97 Resp: 1235149

Ion Ratio Lower Upper

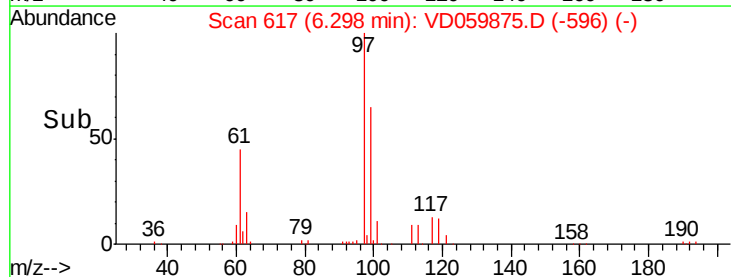
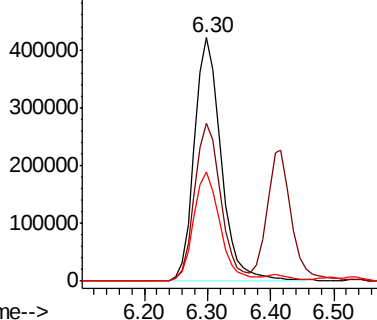
97 100

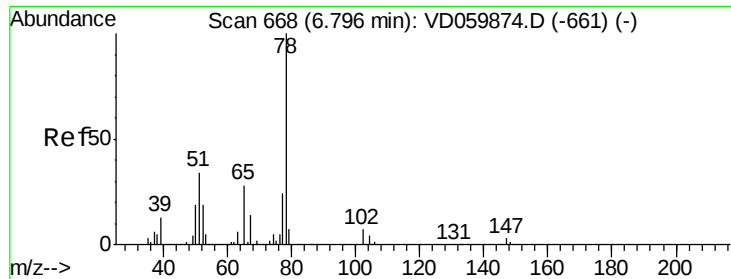
99 64.6 51.7 77.5

61 45.0 35.4 53.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





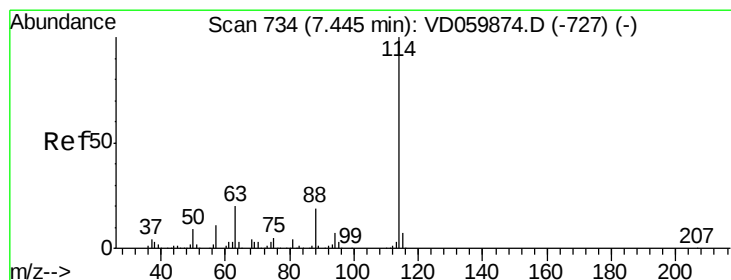
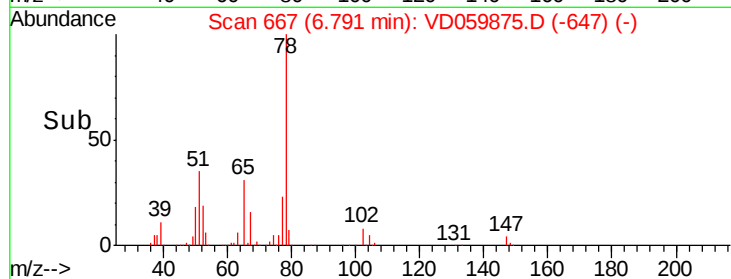
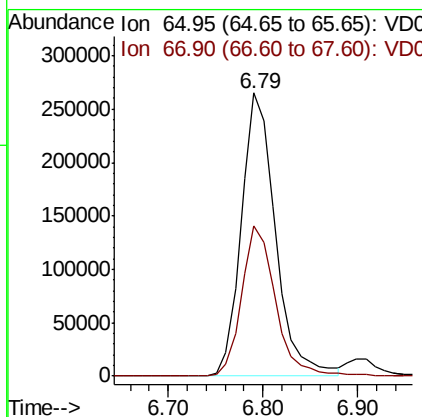
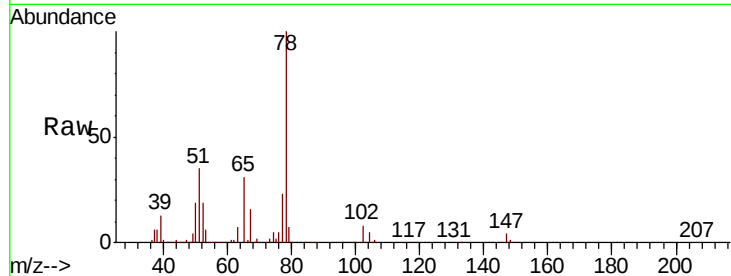
#33
 1,2-Dichloroethane-d4
 Concen: 70.28 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	663738		
67	53.0	0.0	103.8	

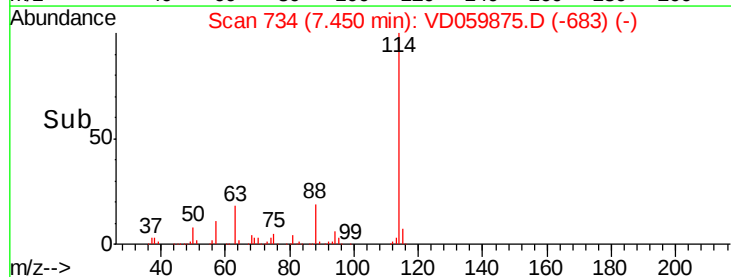
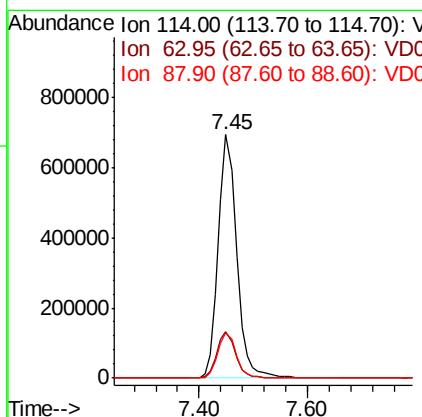
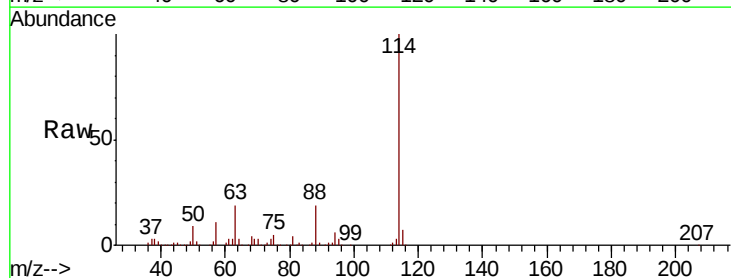
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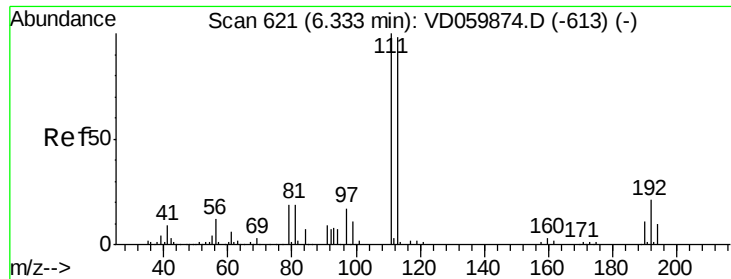
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1642903		
63	18.9	0.0	39.4	
88	18.5	0.0	37.6	





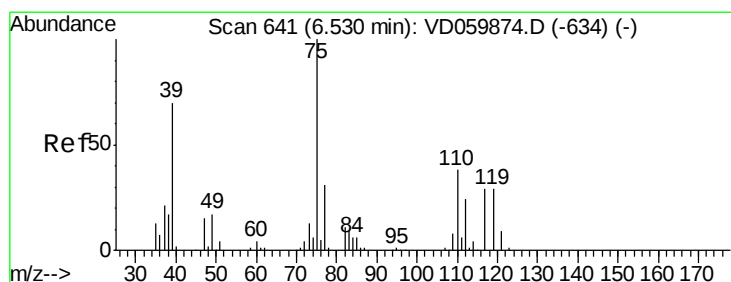
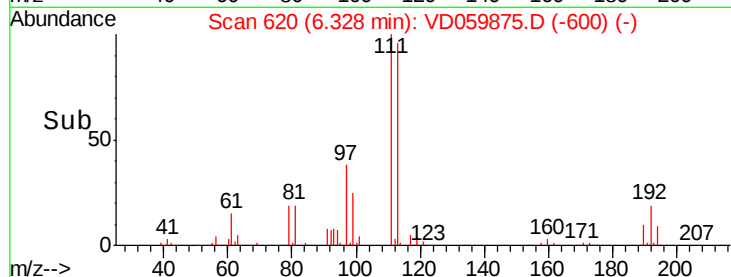
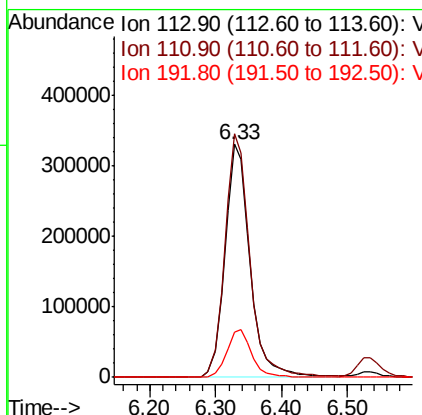
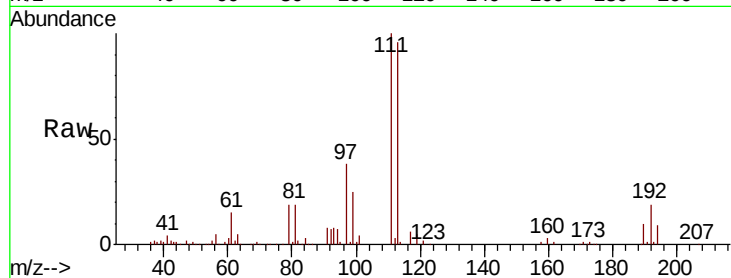
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	878236		
111	104.4		81.4	122.2
192	19.6		17.0	25.6

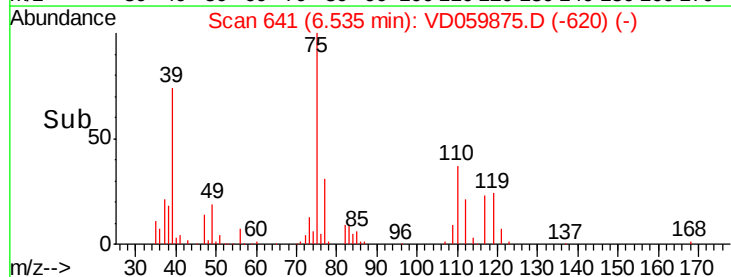
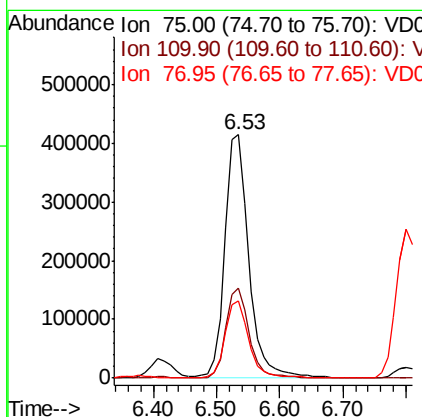
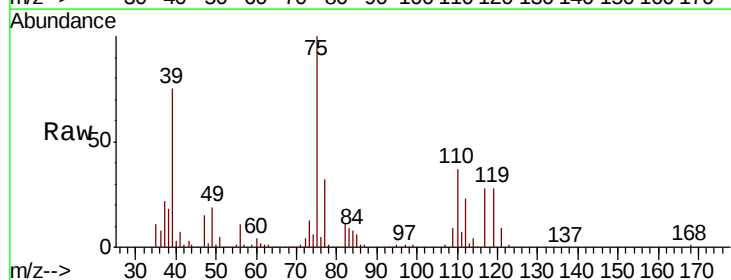
Manual Integrations
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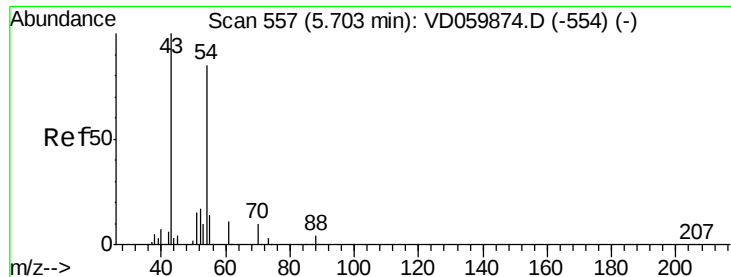
apatel
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#36
 1,1-Dichloropropene
 Concen: 73.75 ug/l
 RT: 6.53 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1074577		
110	37.1		18.6	56.0
77	31.5		25.1	37.7





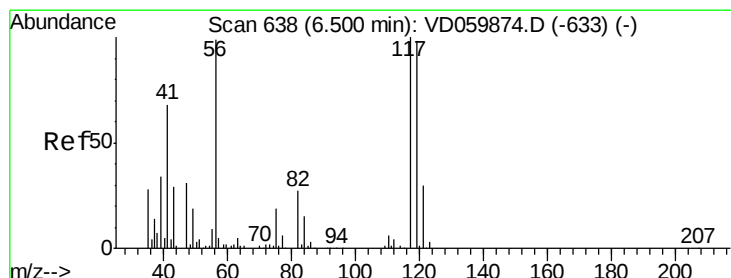
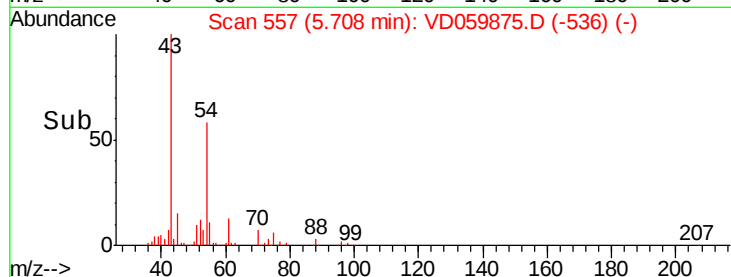
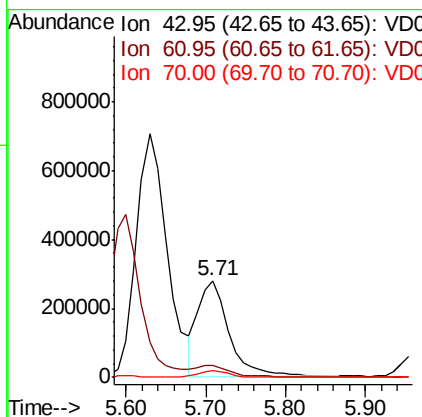
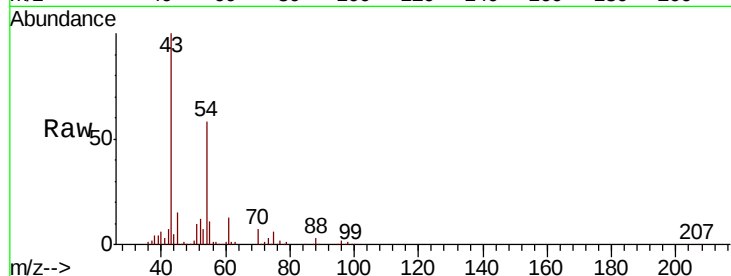
#37
Ethyl Acetate
Concen: 64.06 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	7.2	5.7	8.5

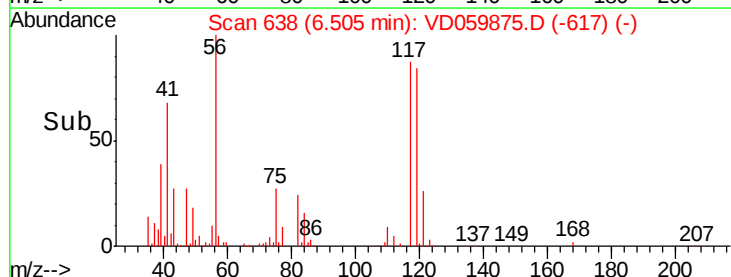
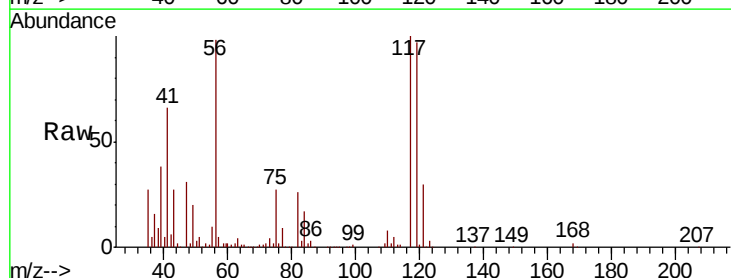
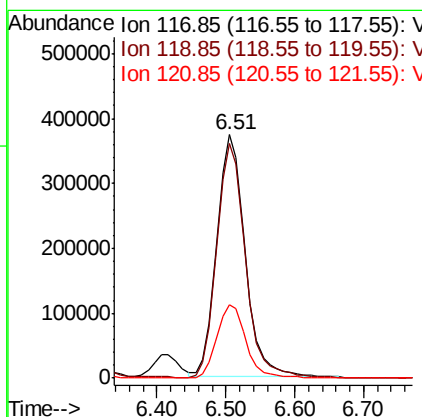
Manual Integrations
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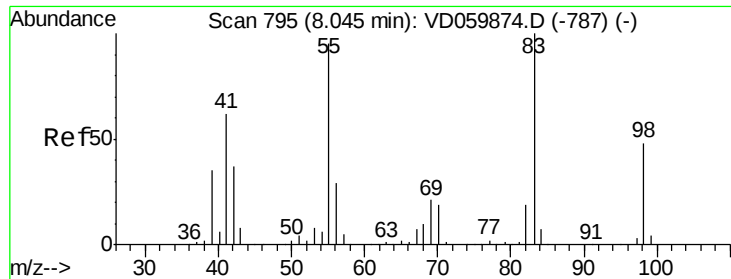
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#38
Carbon Tetrachloride
Concen: 72.09 ug/l
RT: 6.51 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	30.3	24.0	36.0





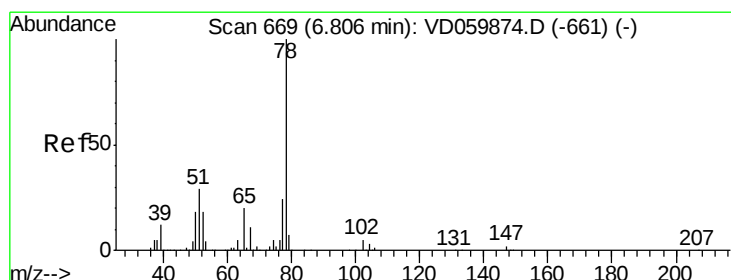
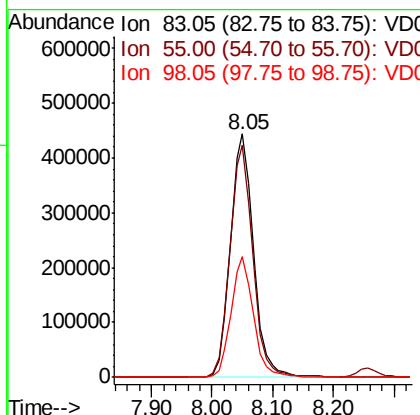
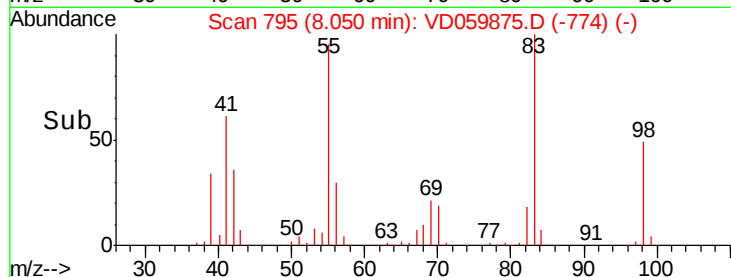
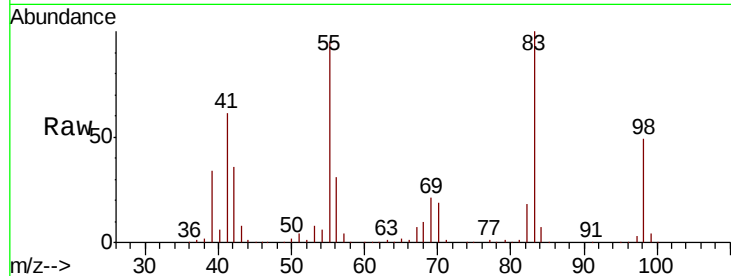
#39
Methvlcvclohexane
Concen: 72.92 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 1172707
Ion Ratio Lower Upper
83 100
55 95.2 75.8 113.6
98 49.4 38.3 57.5

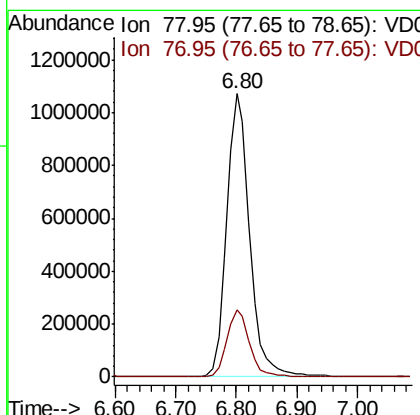
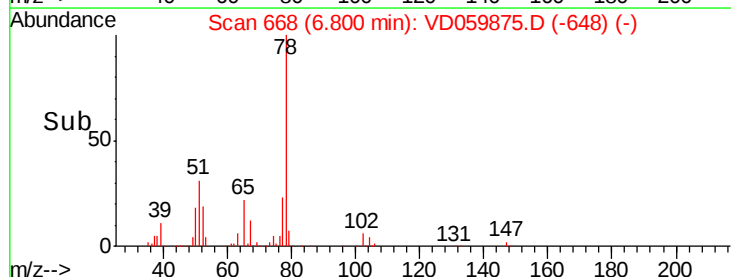
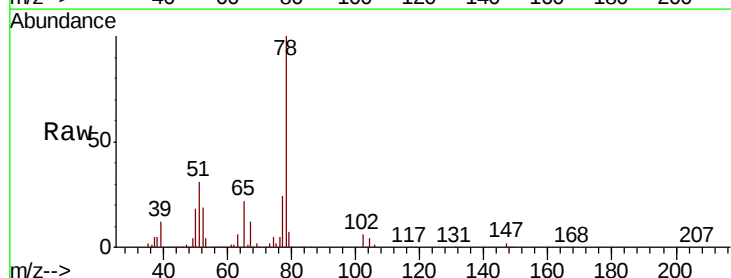
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#40
Benzene
Concen: 73.56 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 78 Resp: 2808922
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#41

Methacrylonitrile

Concen: 42.44 ug/l m

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 445313

Ion Ratio Lower Upper

41 100

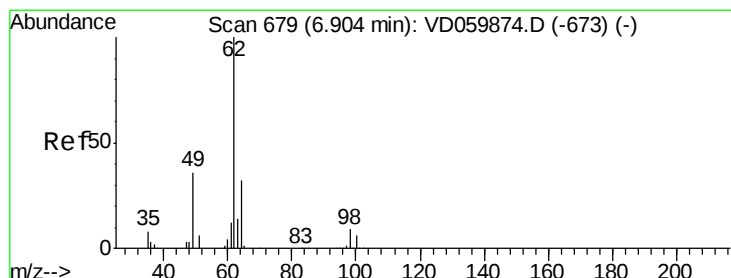
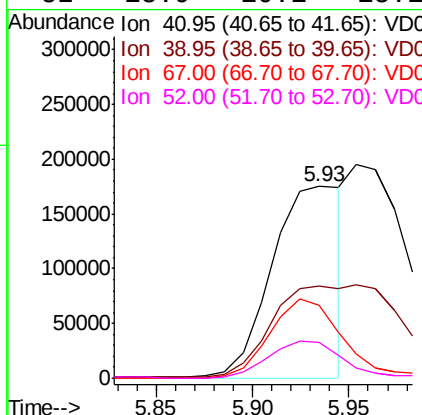
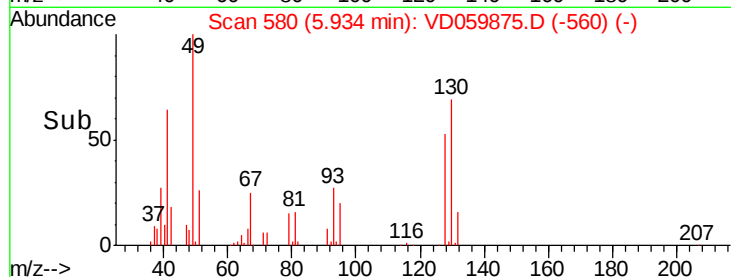
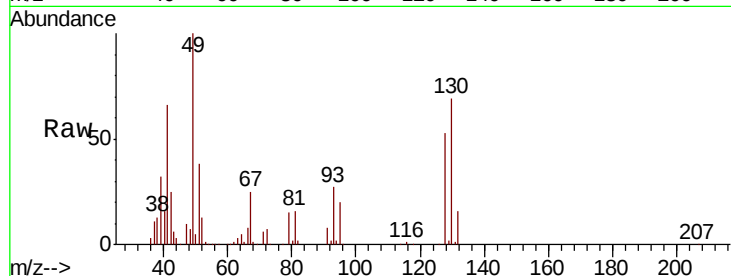
39 48.2 39.4 59.2

67 38.0 22.2 33.2#

52 18.9 10.1 15.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 71.49 ug/l

RT: 6.90 min Scan# 678

Delta R.T. -0.01 min

Lab File: VD059875.D

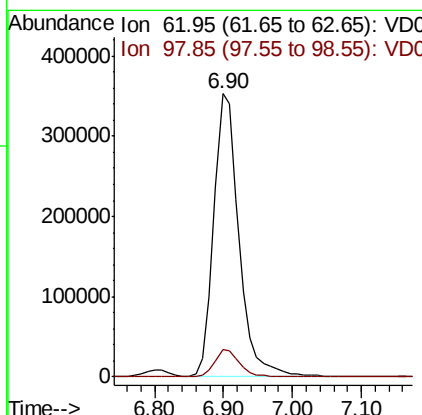
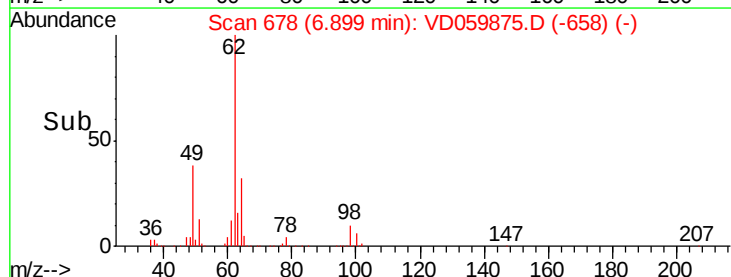
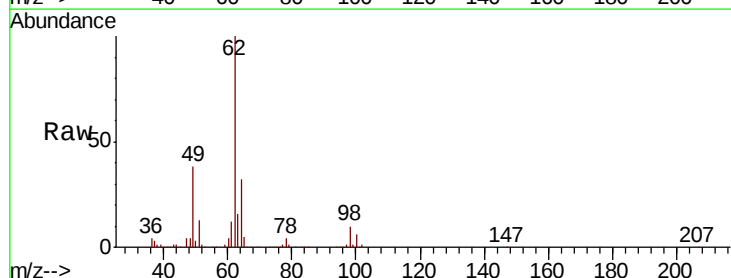
Acq: 22 Aug 2018 14:37

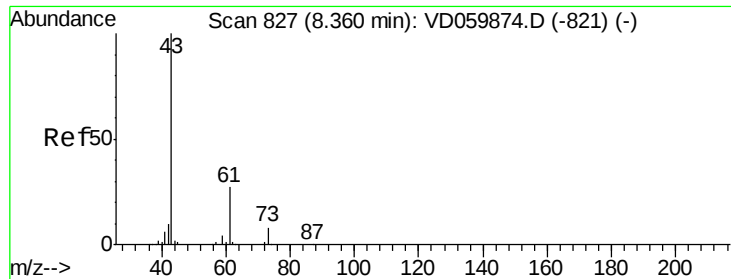
Tgt Ion: 62 Resp: 890342

Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.4





#43

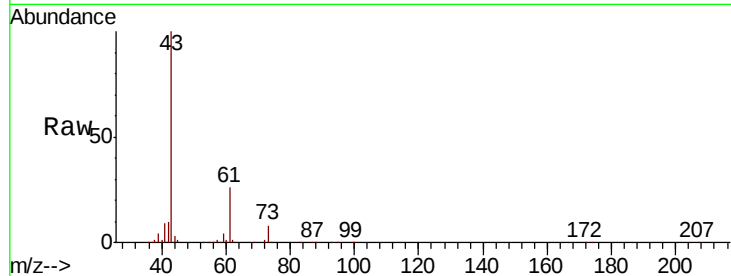
Isopropyl Acetate
 Concen: 68.59 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

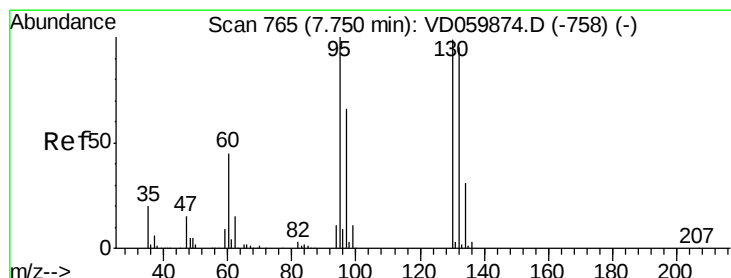
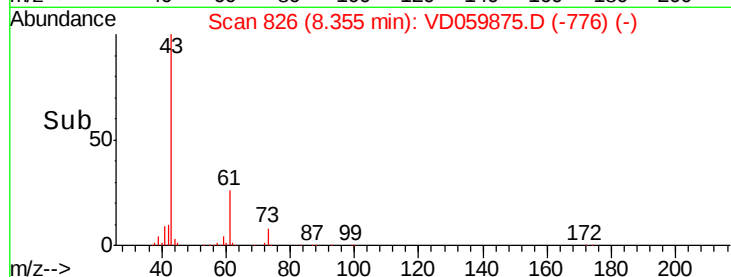
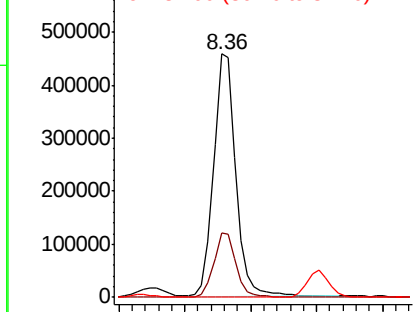
Tot Ion: 43 Resp: 1053714
 Ion Ratio Lower Upper
 43 100
 61 26.3 21.4 32.2
 87 0.3 0.2 0.4

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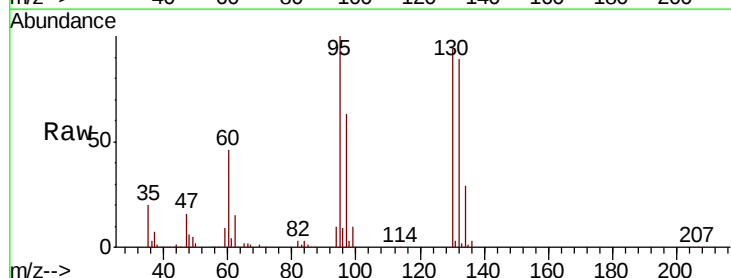
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



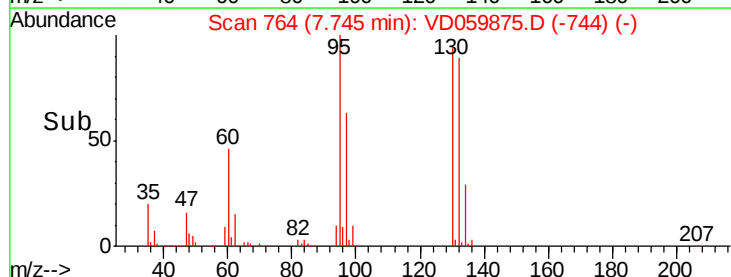
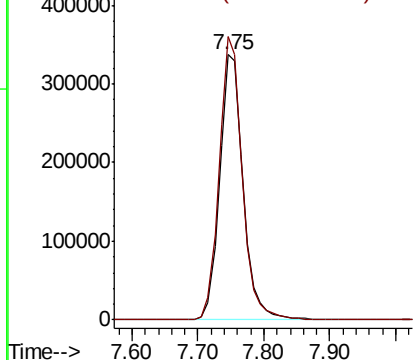
#44

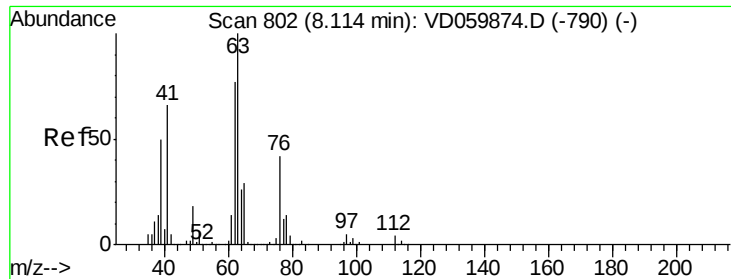
Trichloroethene
 Concen: 74.70 ug/l
 RT: 7.75 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 130 Resp: 837847
 Ion Ratio Lower Upper
 130 100
 95 106.8 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 70.91 ug/l

RT: 8.11 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 766580

Ion Ratio Lower Upper

63 100

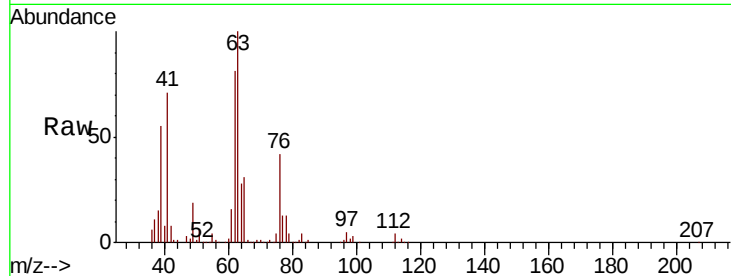
65 31.1 23.5 35.3

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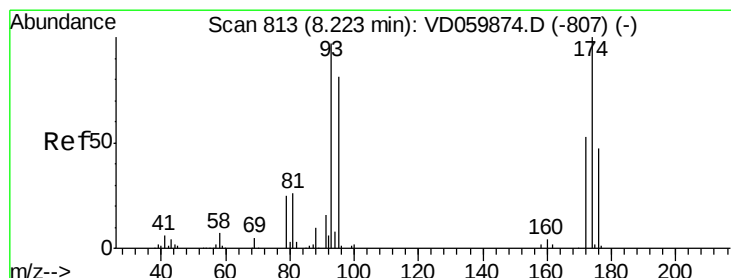
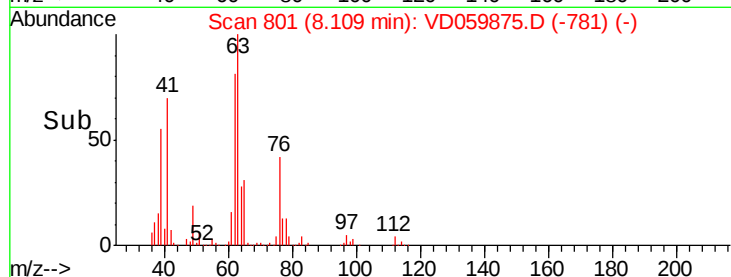
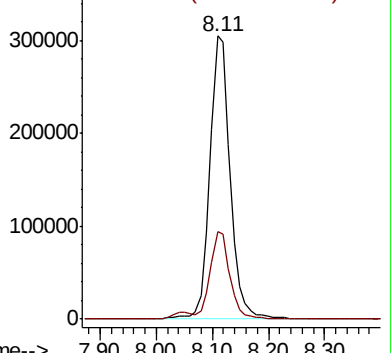
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 72.39 ug/l

RT: 8.23 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

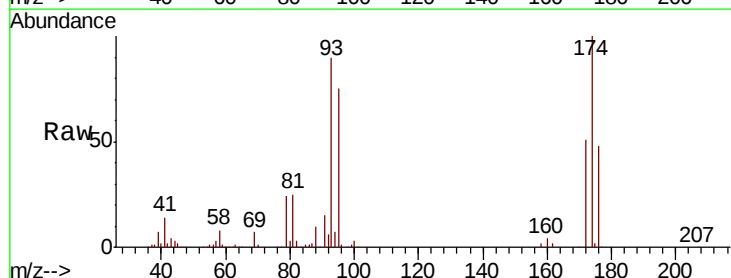
Tgt Ion: 93 Resp: 501545

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

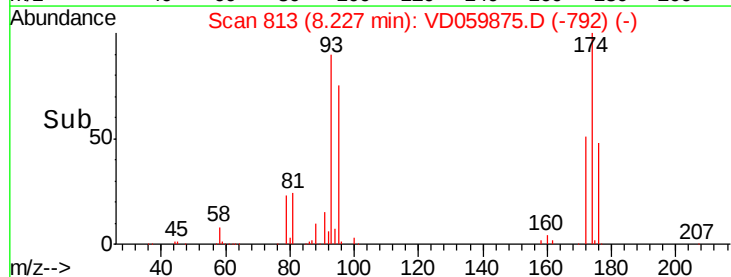
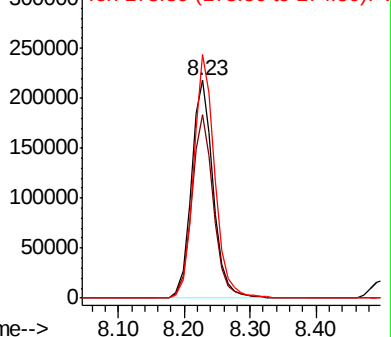
174 111.7 82.4 123.6

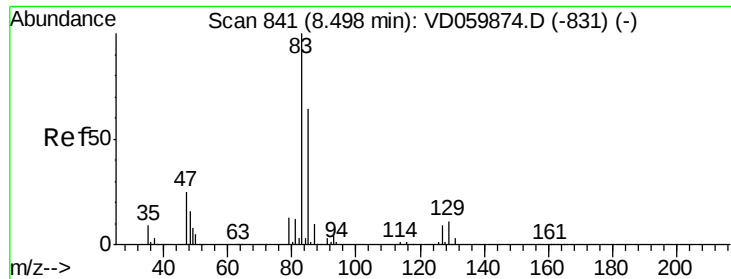


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 70.46 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 1103473

Ion Ratio Lower Upper

83 100

85 64.2 51.3 76.9

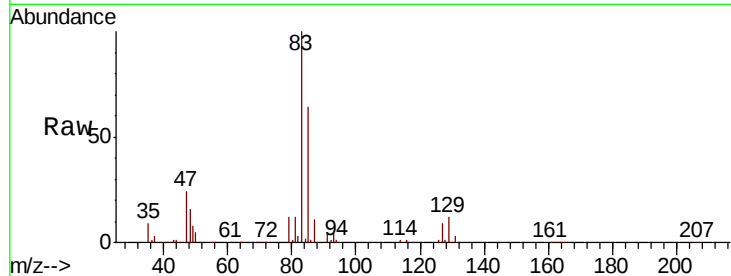
127 9.1 7.0 10.4

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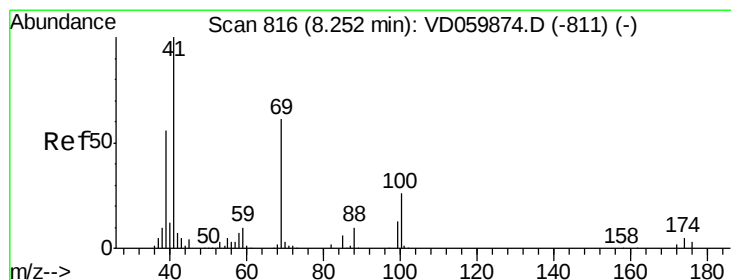
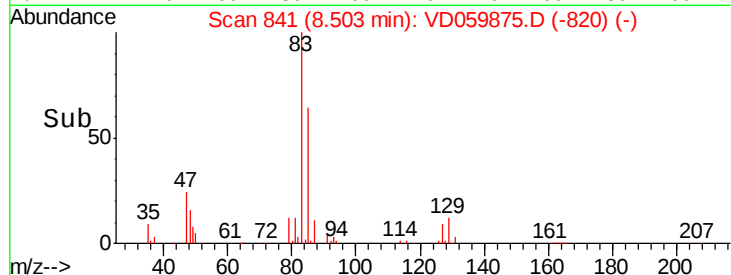
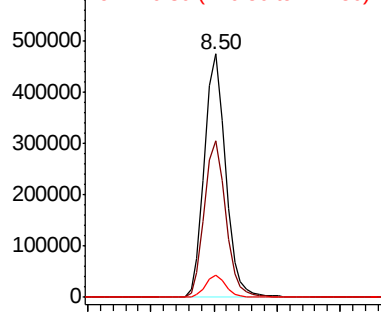
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 71.70 ug/l

RT: 8.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

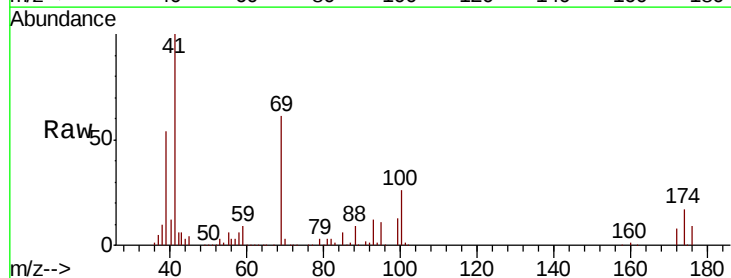
Tgt Ion: 41 Resp: 620085

Ion Ratio Lower Upper

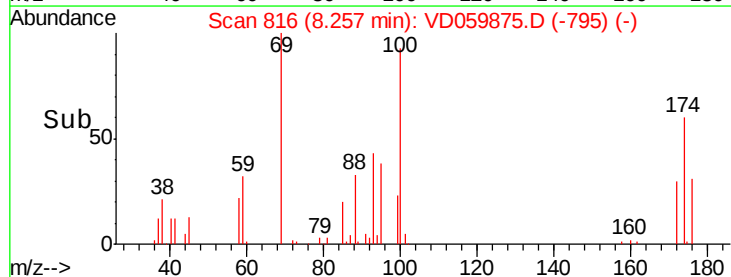
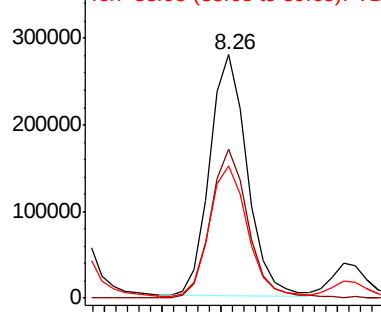
41 100

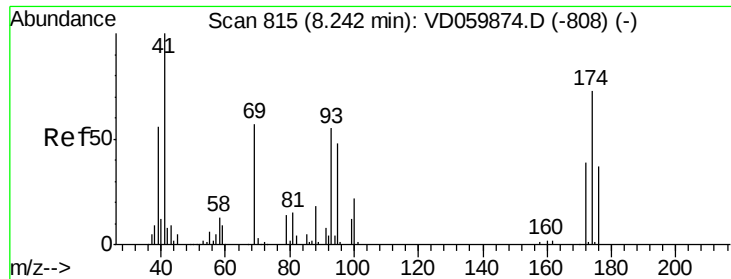
69 61.0 48.0 72.0

39 54.5 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1404.16 ug/l

RT: 8.25 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

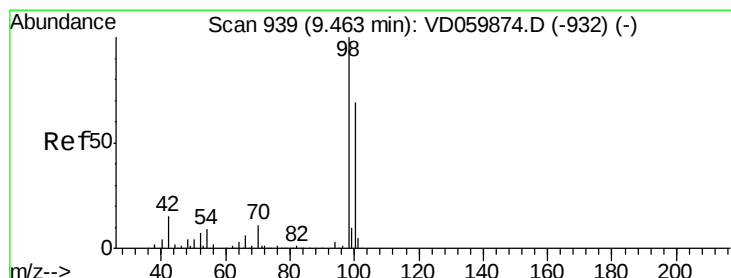
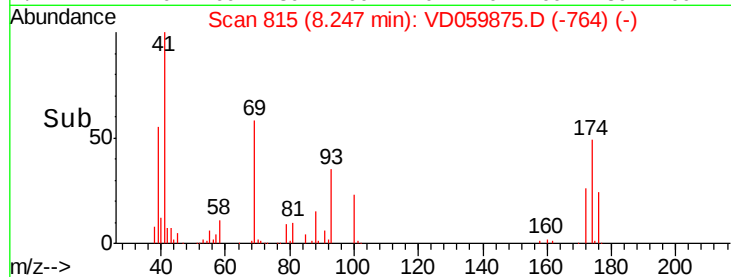
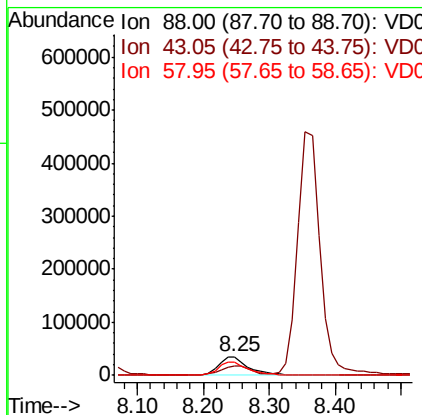
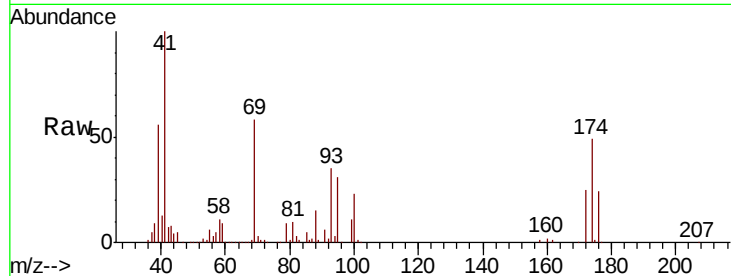
ClientSampleId :

VSTDIC075

Tot Ion:	88	Resp:	110734
Ion	Ratio	Lower	Upper
88	100		
43	51.4	45.0	67.6
58	71.6	55.8	83.8

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#50

Toluene-d8

Concen: 1404.16 ug/l

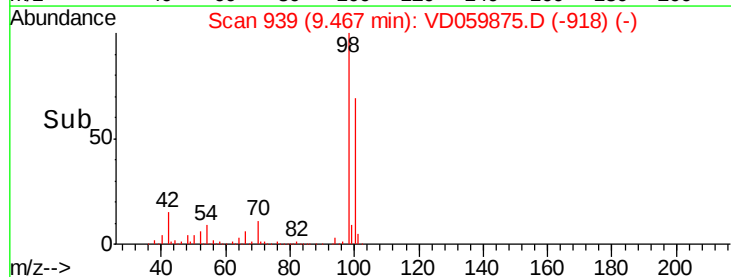
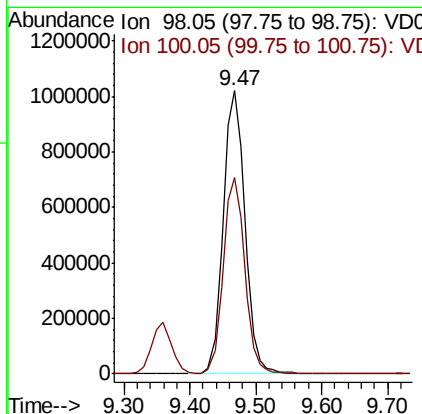
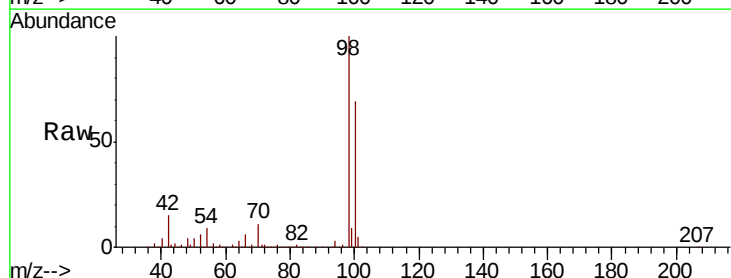
RT: 9.47 min Scan# 939

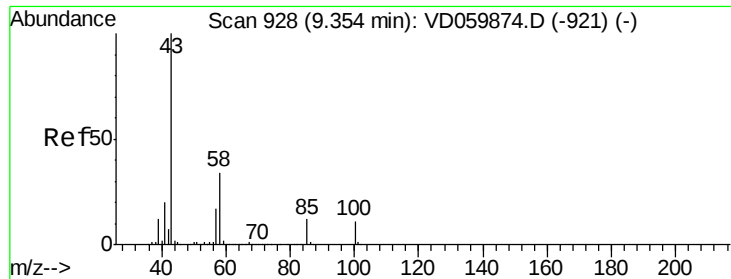
Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion:	98	Resp:	2363611
Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 374.24 ug/l

RT: 9.36 min Scan# 928

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 3996081

Ion Ratio Lower Upper

43 100

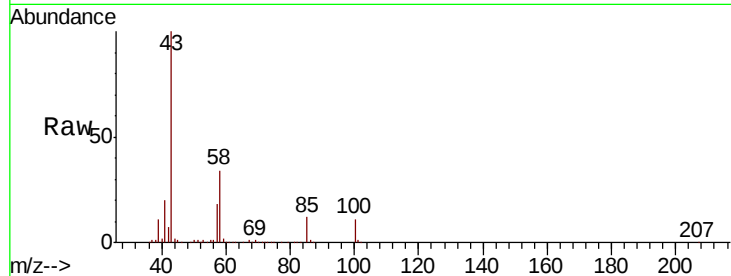
58 34.2 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

2000000 Ion 57.95 (57.65 to 58.65): VDC

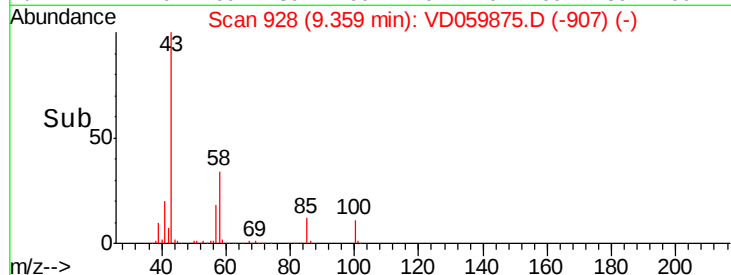
1500000

1000000

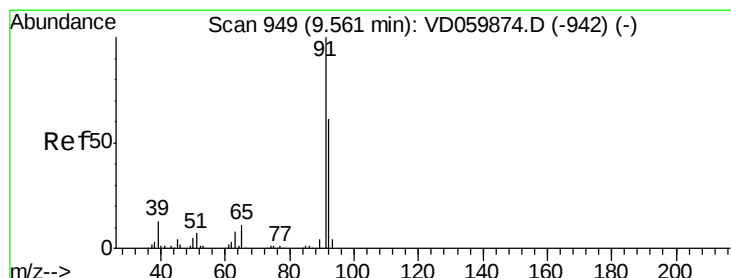
500000

0

Time-->



Time-->



#52

Toluene

Concen: 72.91 ug/l

RT: 9.57 min Scan# 949

Delta R.T. 0.00 min

Lab File: VD059875.D

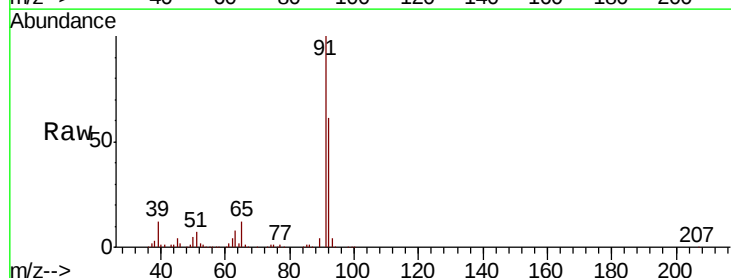
Acq: 22 Aug 2018 14:37

Tgt Ion: 92 Resp: 1791230

Ion Ratio Lower Upper

92 100

91 164.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

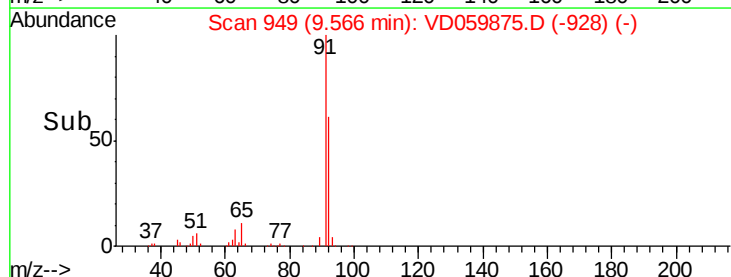
1500000 Ion 91.00 (90.70 to 91.70): VDC

1000000

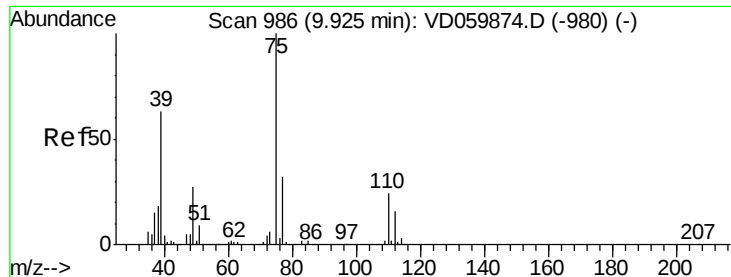
500000

0

Time-->



Time-->



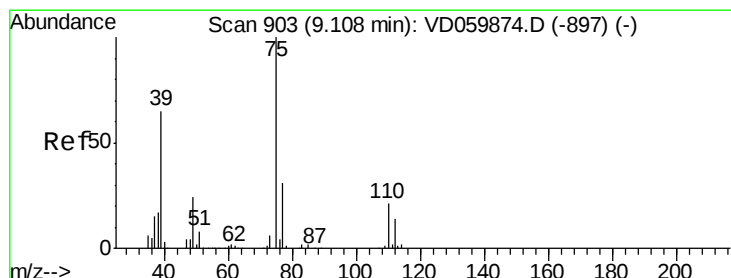
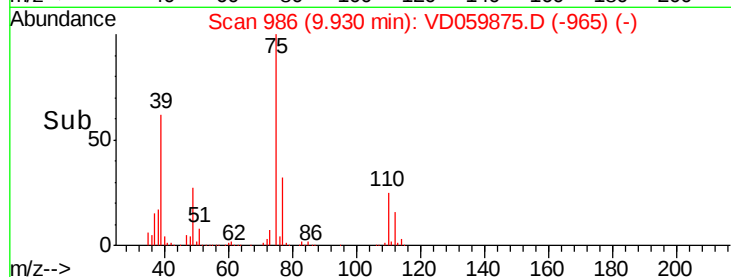
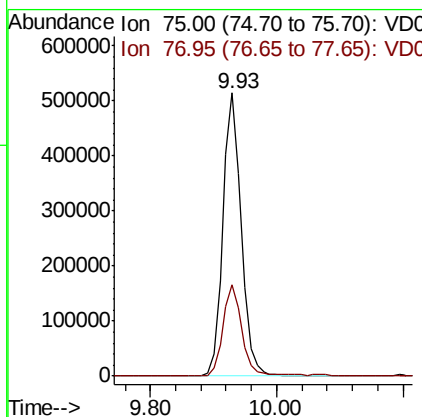
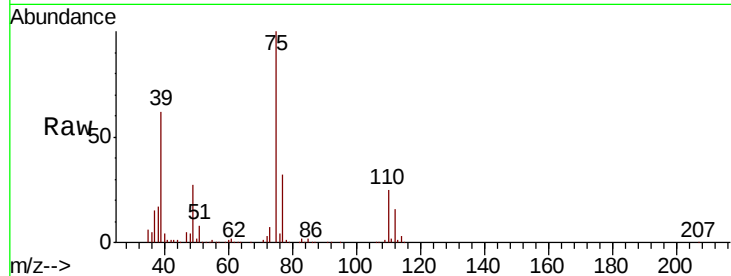
#53
t-1,3-Dichloropropene
Concen: 71.62 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 75 Resp: 1040980
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

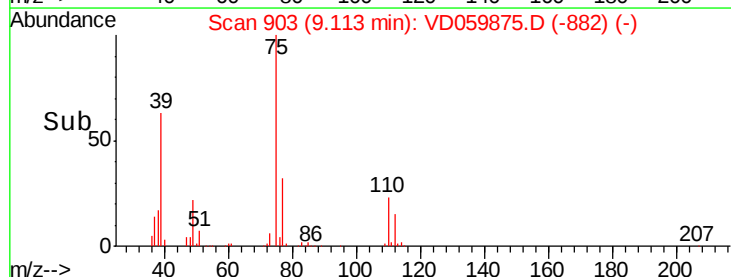
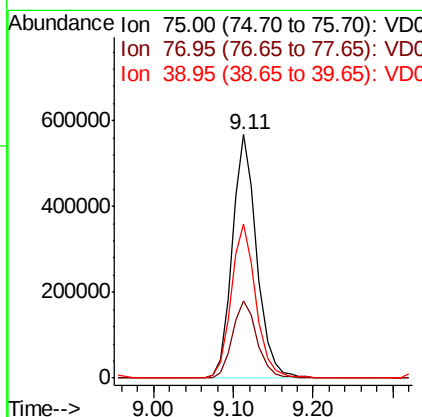
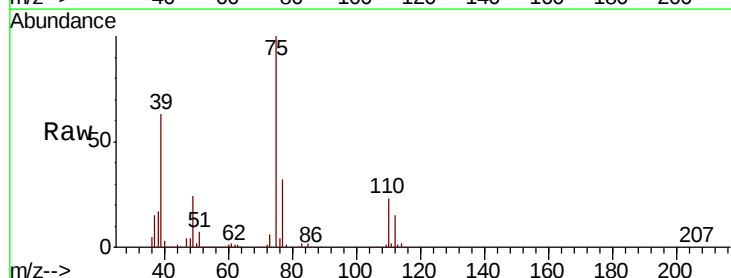
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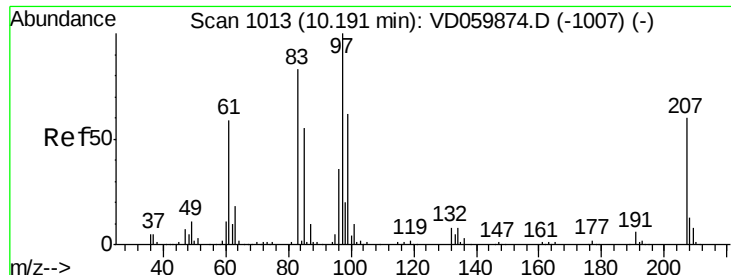
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#54
cis-1,3-Dichloropropene
Concen: 71.57 ug/l
RT: 9.11 min Scan# 903
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 75 Resp: 1210707
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 63.3 52.1 78.1





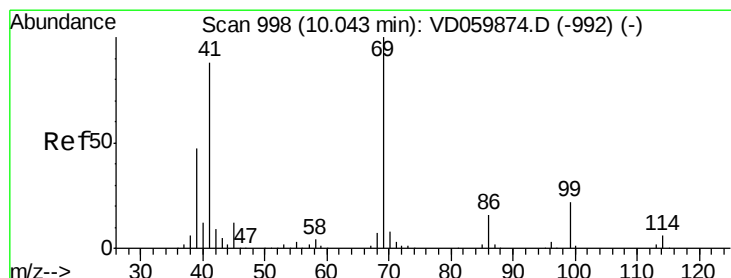
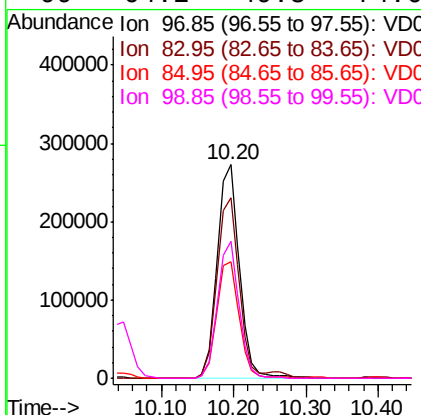
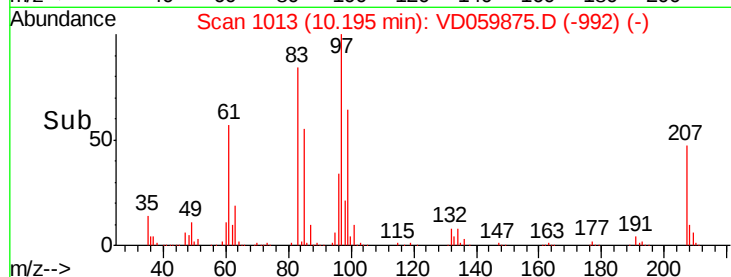
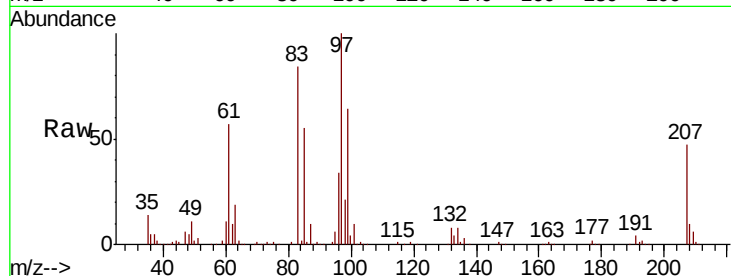
#55
 1,1,2-Trichloroethane
 Concen: 64.70 ug/l
 RT: 10.20 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
97	100	579060		
83	84.2	66.7	100.1	
85	54.7	43.8	65.6	
99	64.2	49.8	74.6	

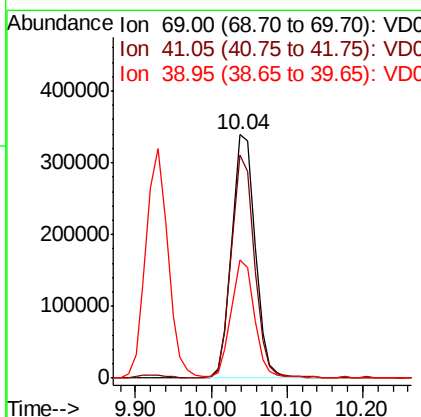
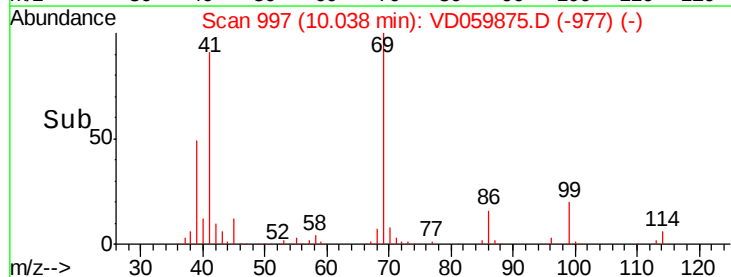
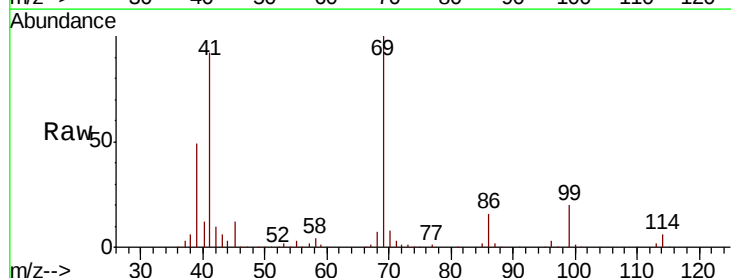
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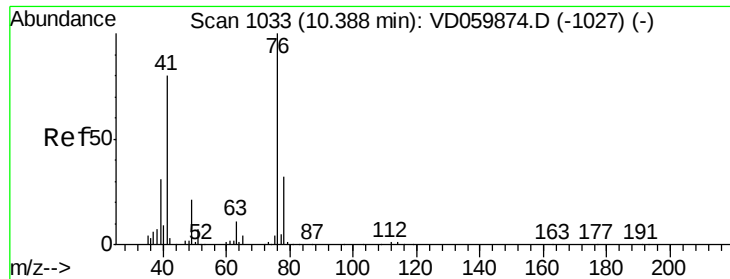
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#56
 Ethyl methacrylate
 Concen: 68.22 ug/l
 RT: 10.04 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	726327		
41	91.6	71.0	106.4	
39	48.7	38.5	57.7	





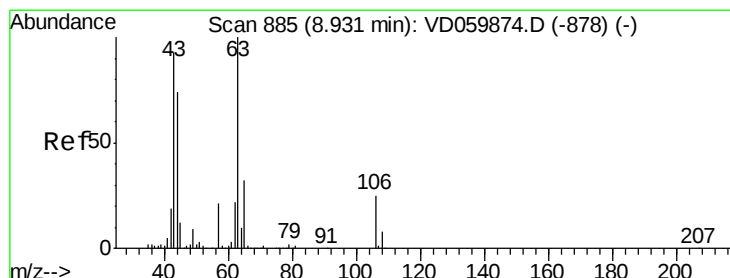
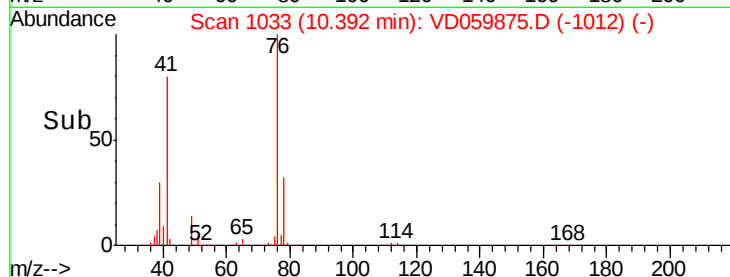
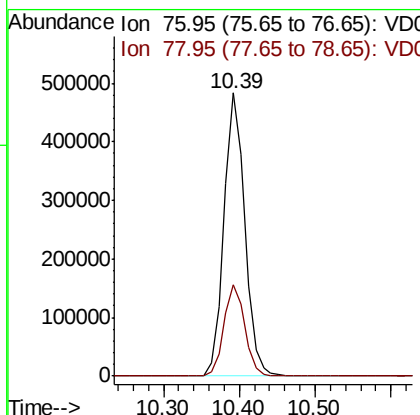
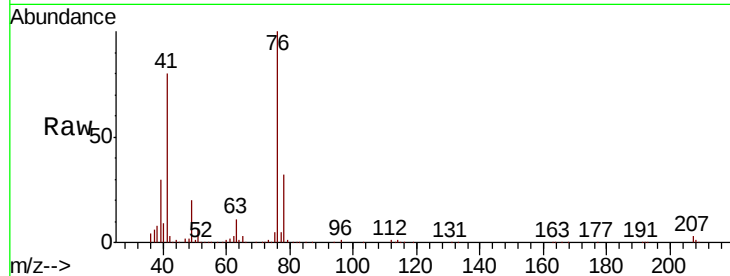
#57
 1,3-Dichloropropane
 Concen: 70.29 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 921241
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

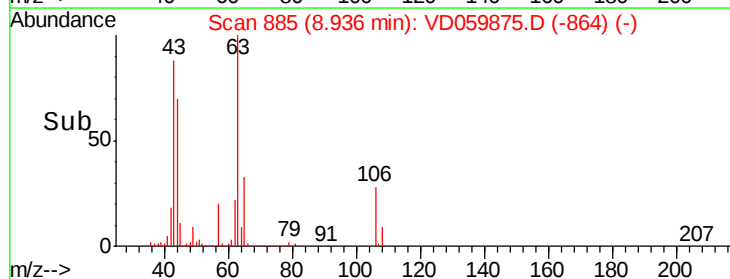
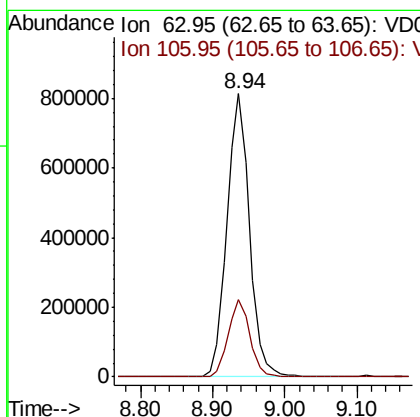
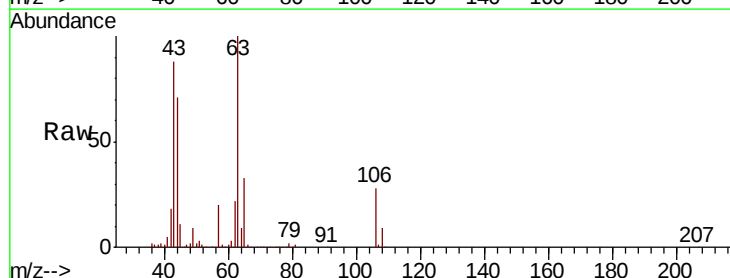
Manual Integrations
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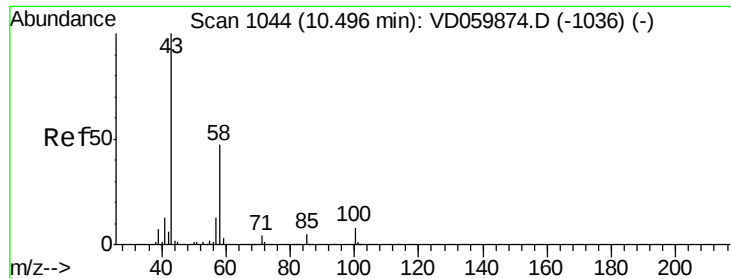
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#58
 2-Chloroethyl Vinyl ether
 Concen: 347.88 ug/l
 RT: 8.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 63 Resp: 1765038
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.1 30.1





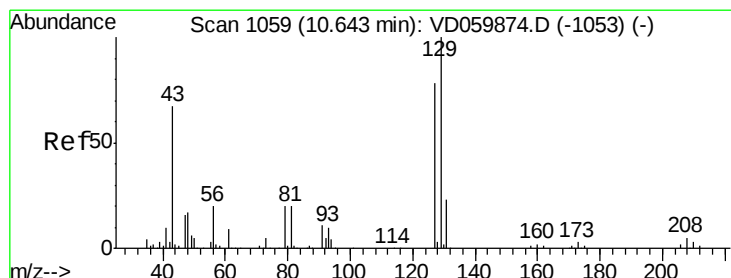
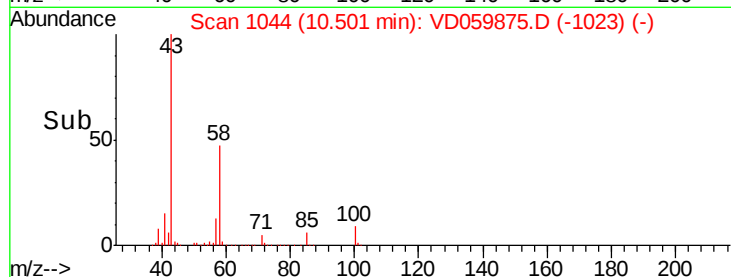
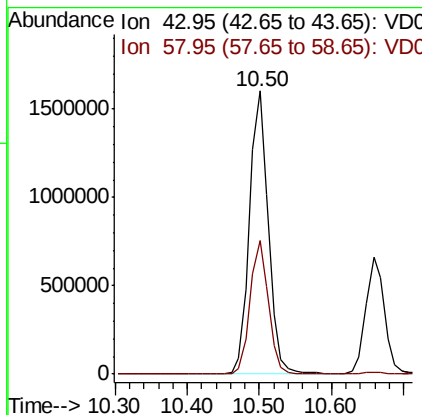
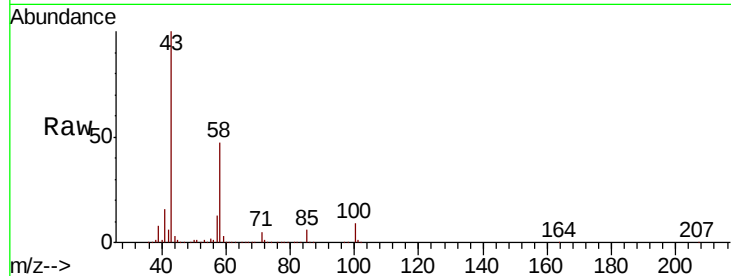
#59
2-Hexanone
Concen: 378.75 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 2932758
Ion Ratio Lower Upper
43 100
58 47.2 23.3 69.8

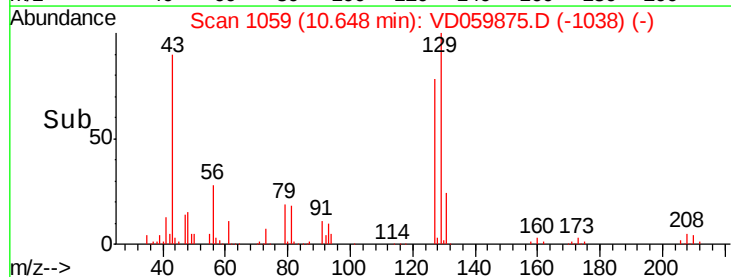
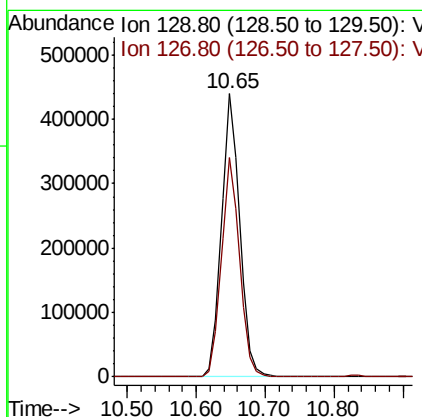
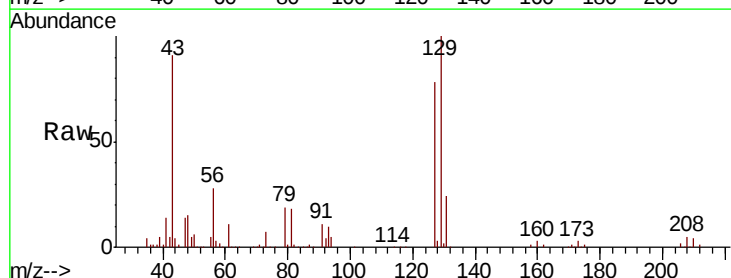
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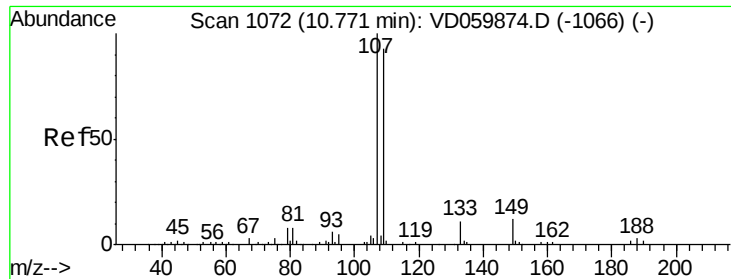
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#60
Dibromochloromethane
Concen: 71.25 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 129 Resp: 812033
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





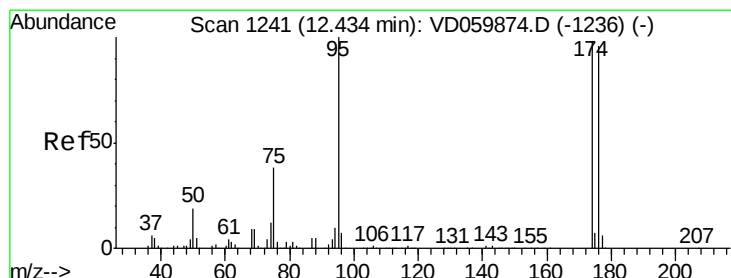
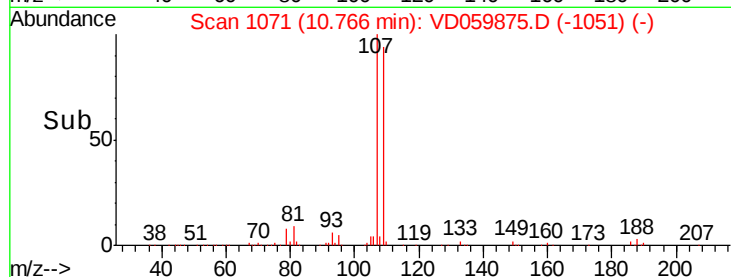
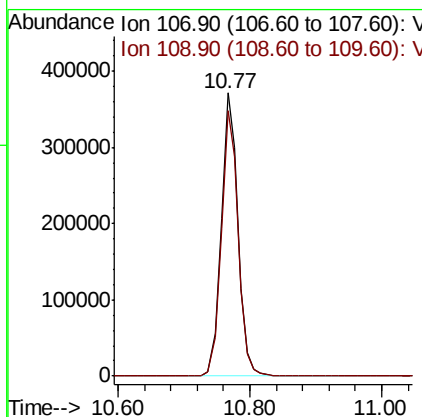
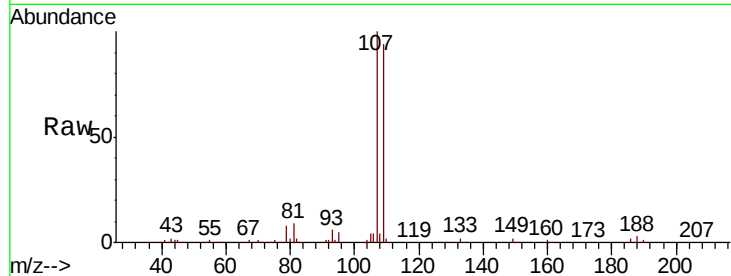
#61
 1,2-Dibromoethane
 Concen: 70.82 ug/l
 RT: 10.77 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0

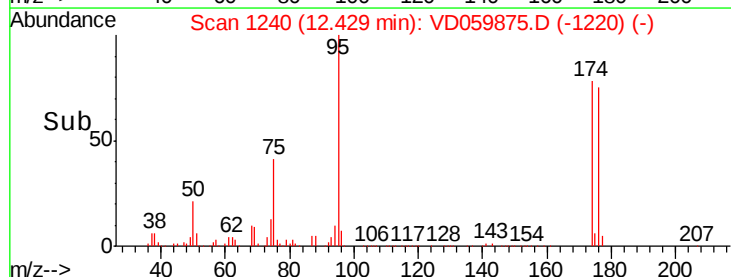
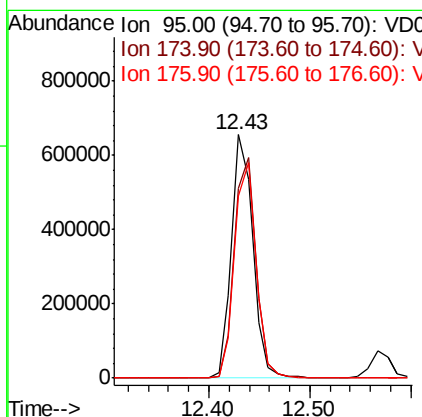
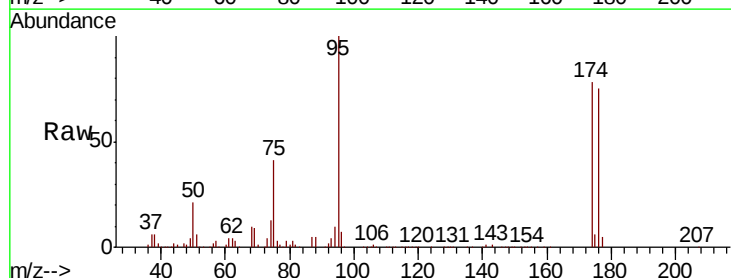
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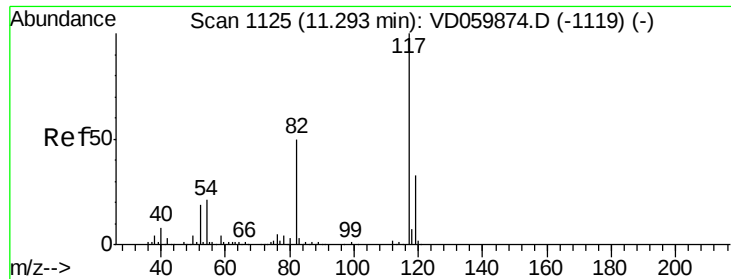
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#62
 4-Bromofluorobenzene
 Concen: 70.82 ug/l
 RT: 12.43 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	195.6
176	74.8	0.0	191.2





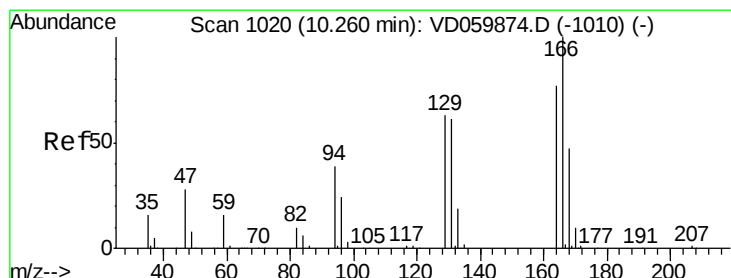
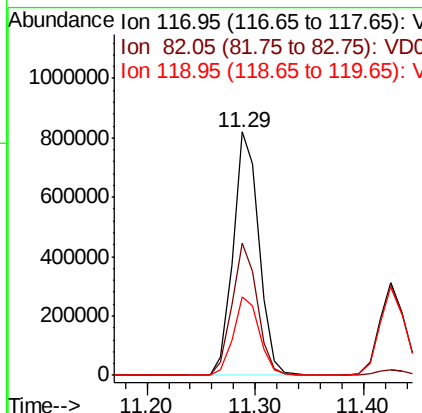
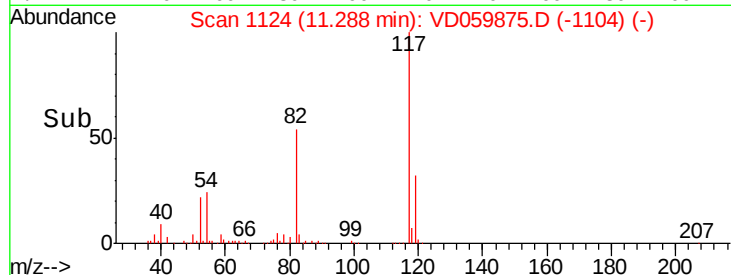
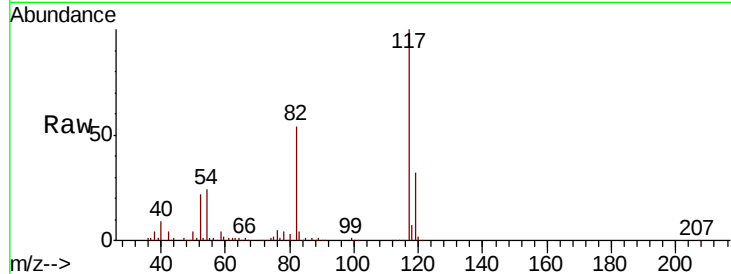
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1359501
Ion Ratio Lower Upper
117 100
82 54.3 40.1 60.1
119 32.3 26.7 40.1

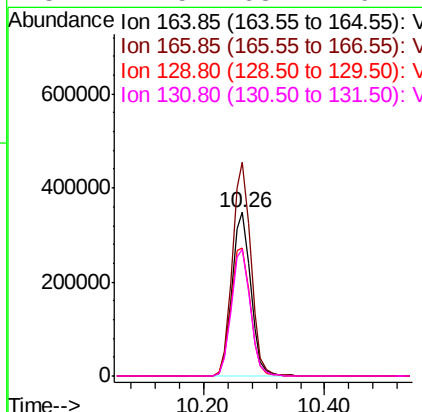
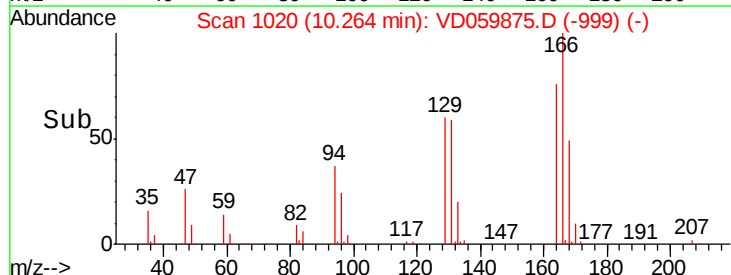
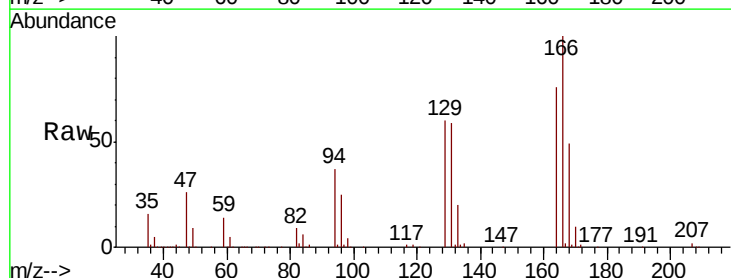
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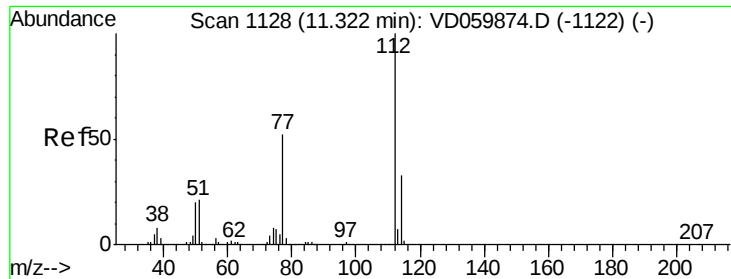
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#64
Tetrachloroethene
Concen: 71.91 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:164 Resp: 747068
Ion Ratio Lower Upper
164 100
166 130.8 103.4 155.2
129 78.7 65.2 97.8
131 77.5 63.1 94.7





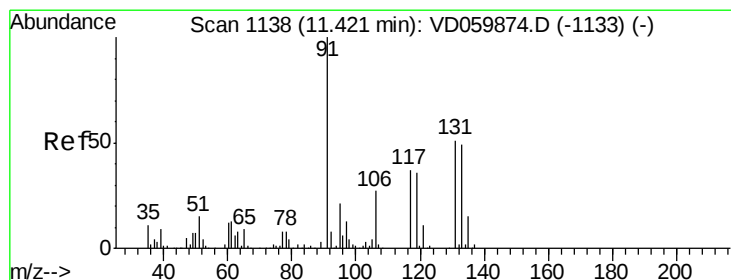
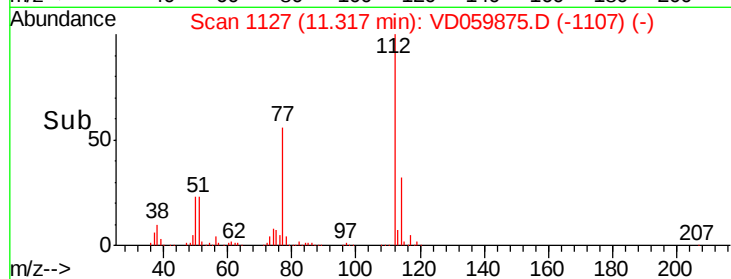
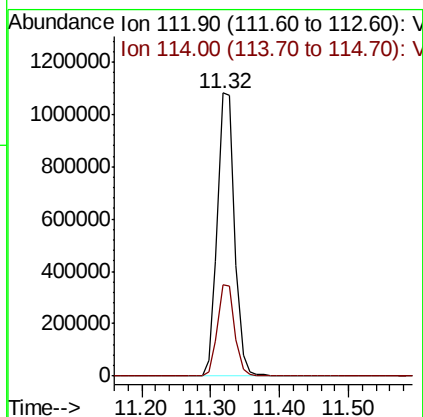
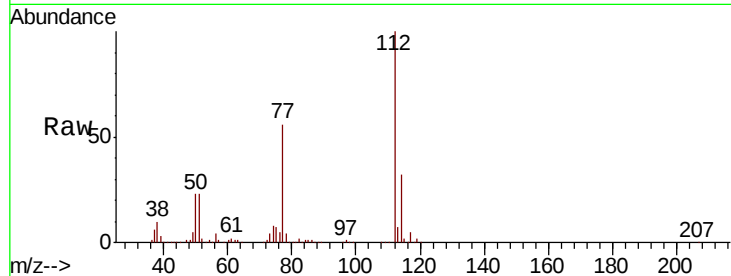
#65
Chlorobenzene
Concen: 71.08 ug/l
RT: 11.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1895272
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

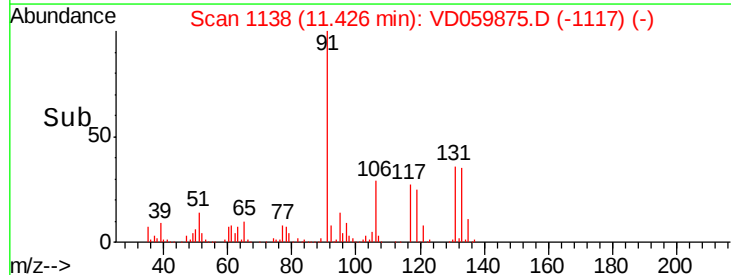
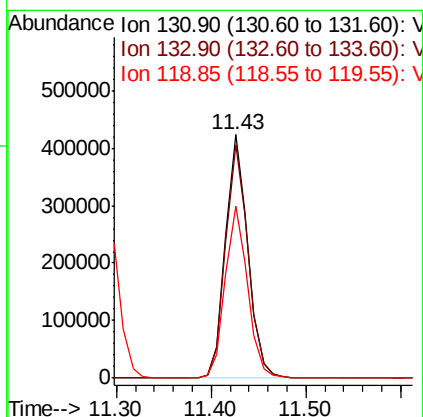
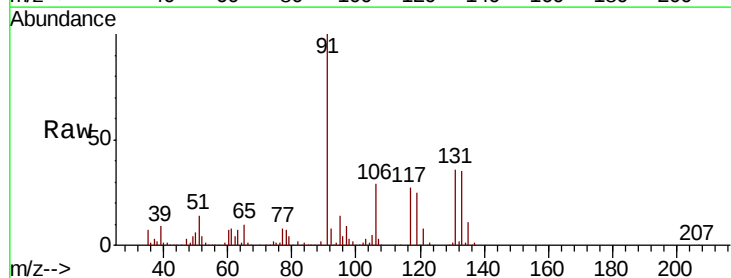
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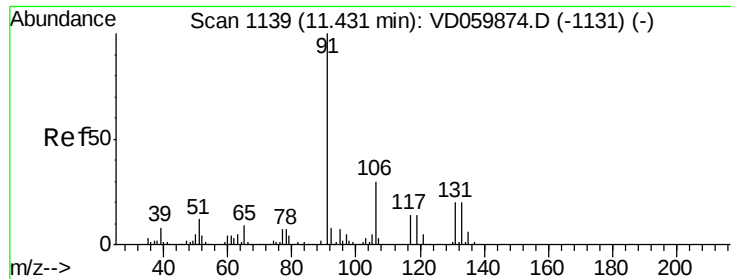
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#66
1,1,1,2-Tetrachloroethane
Concen: 71.77 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:131 Resp: 692735
Ion Ratio Lower Upper
131 100
133 95.8 48.3 144.8
119 70.5 35.4 106.3





#67

Ethyl Benzene

Concen: 72.74 ug/l

RT: 11.44 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 3169743

Ion Ratio Lower Upper

91 100

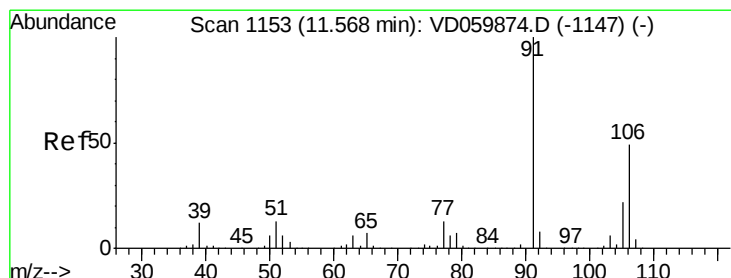
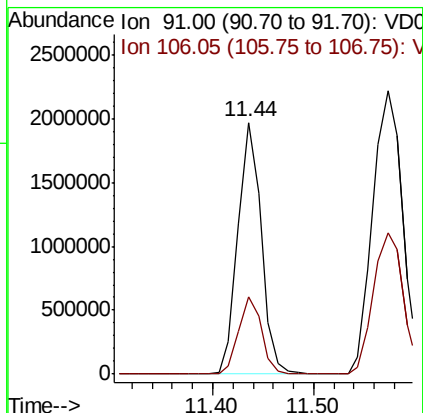
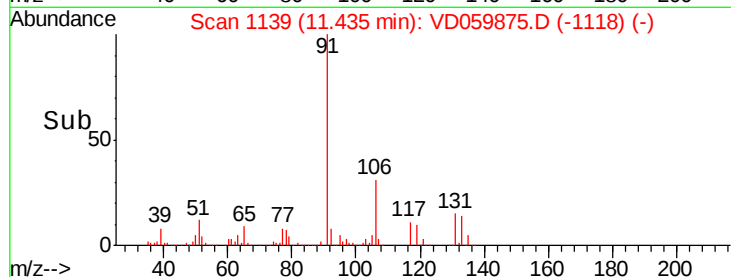
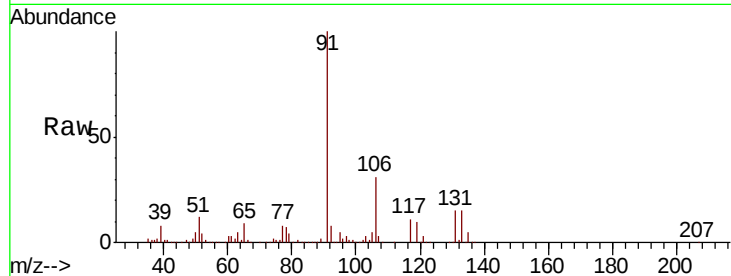
106 30.7 23.8 35.8

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#68

m/p-Xylenes

Concen: 145.20 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VD059875.D

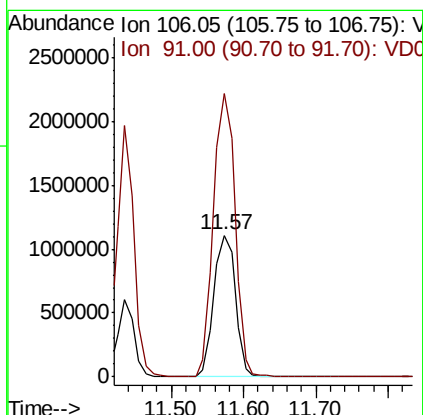
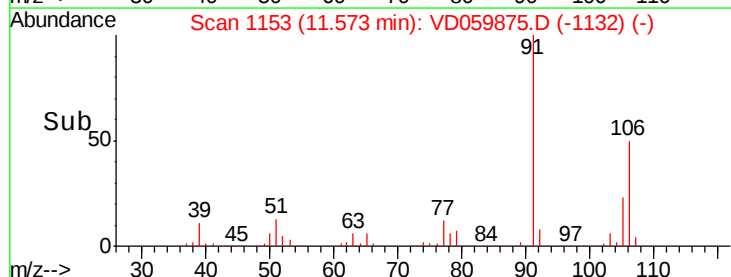
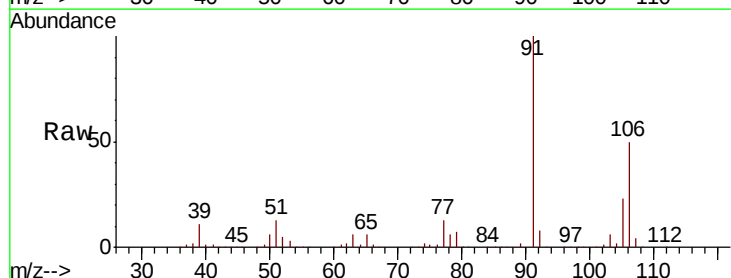
Acq: 22 Aug 2018 14:37

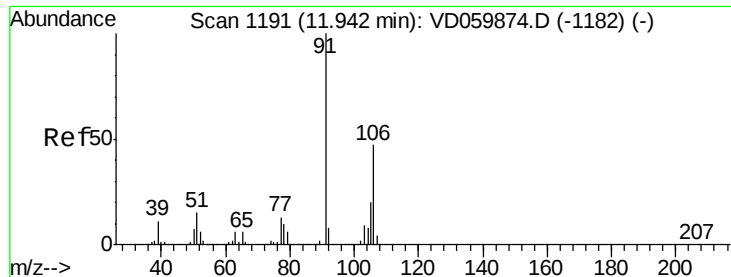
Tgt Ion:106 Resp: 2283747

Ion Ratio Lower Upper

106 100

91 199.9 162.0 243.0





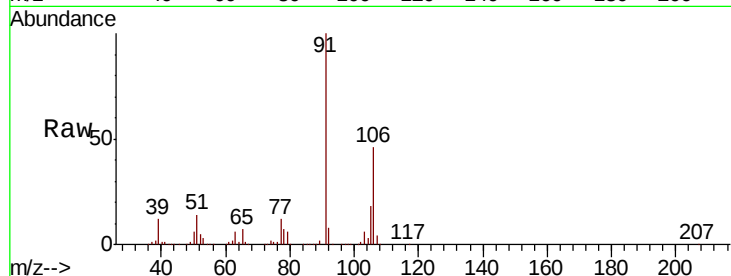
#69
o-Xylene
Concen: 75.07 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

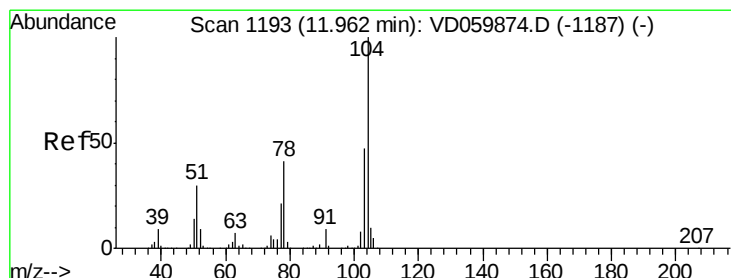
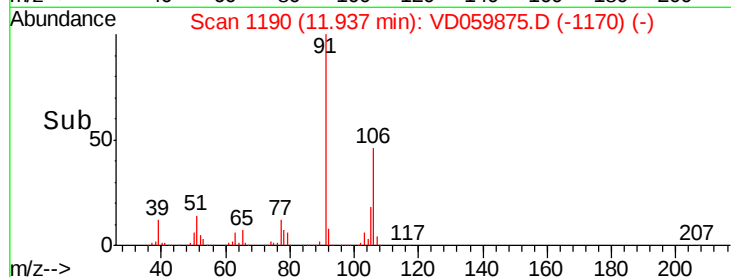
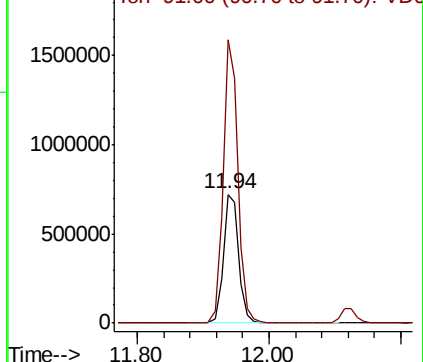
Tot Ion:106 Resp: 1159106
Ion Ratio Lower Upper
106 100
91 219.2 107.3 322.0

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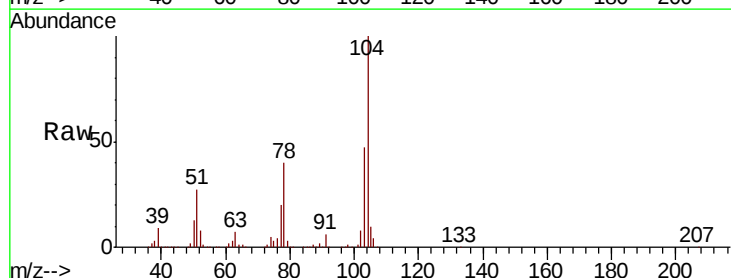


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

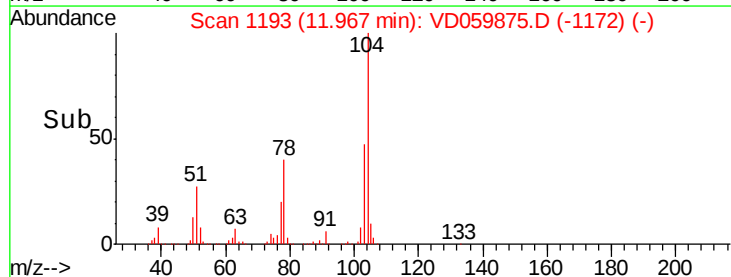
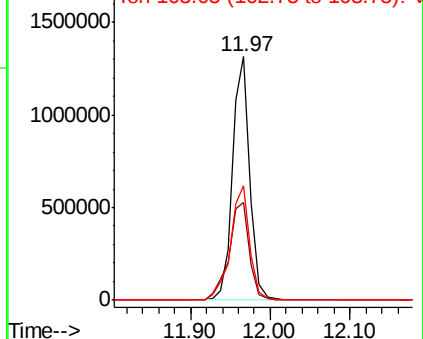


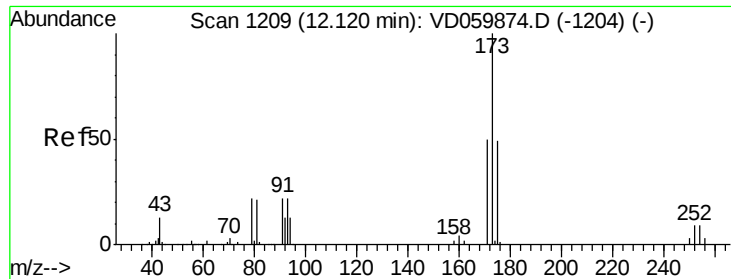
#70
Styrene
Concen: 74.47 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:104 Resp: 1997305
Ion Ratio Lower Upper
104 100
78 40.4 32.6 49.0
103 47.0 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 71.90 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 615897

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

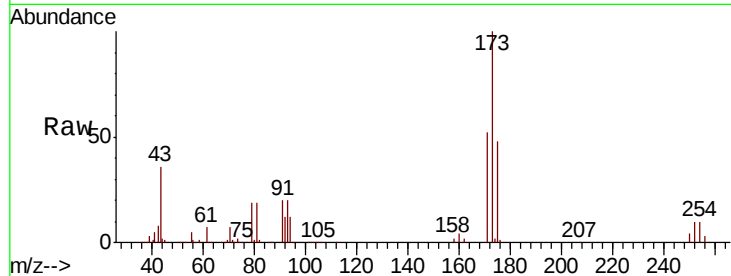
254 9.9 7.0 10.6

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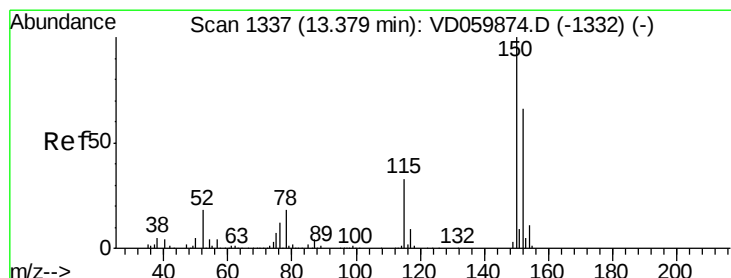
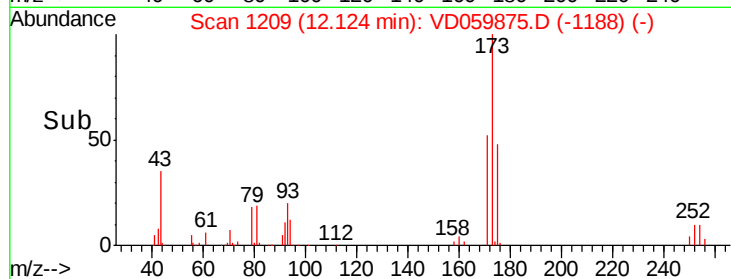
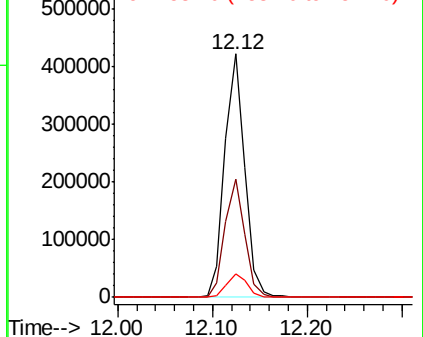
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

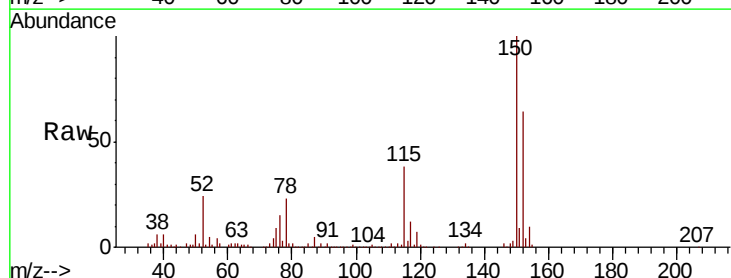
Tgt Ion:152 Resp: 727637

Ion Ratio Lower Upper

152 100

115 58.5 25.7 77.0

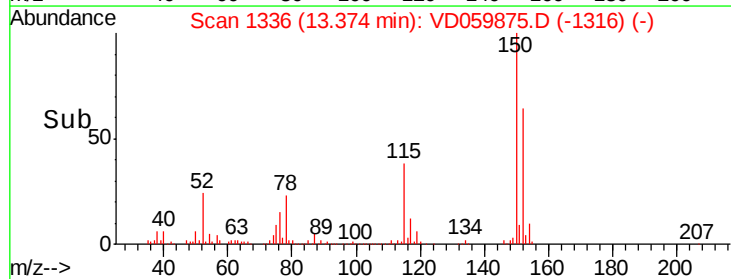
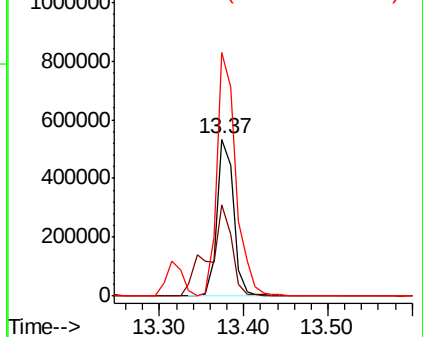
150 155.1 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 70.49 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 3234273

Ion Ratio Lower Upper

105 100

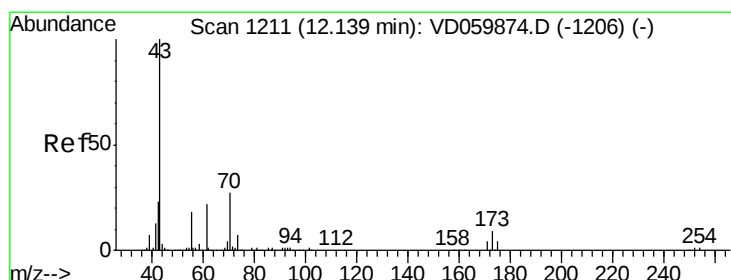
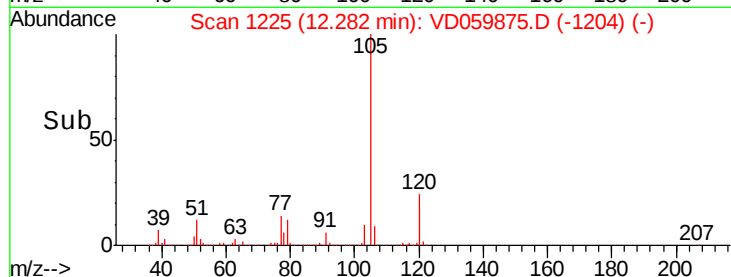
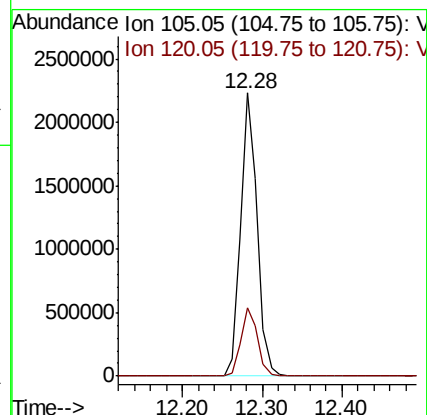
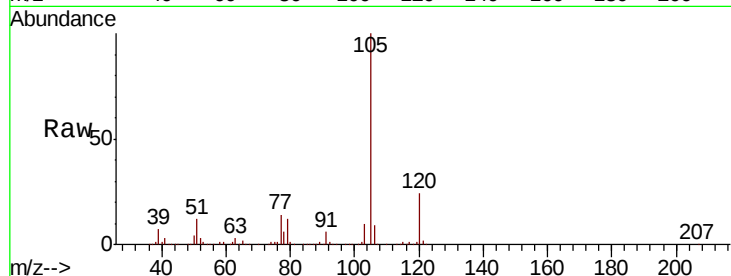
120 24.2 11.8 35.4

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#74

N-ethyl acetate

Concen: 65.27 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion: 43 Resp: 1338074

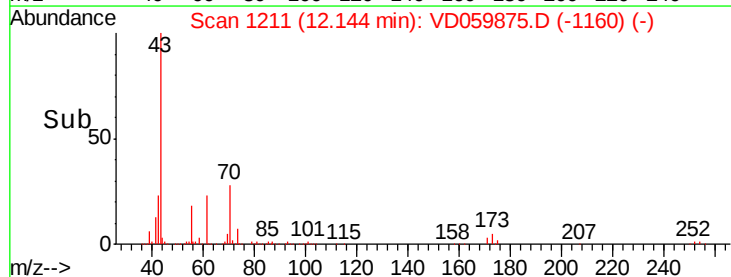
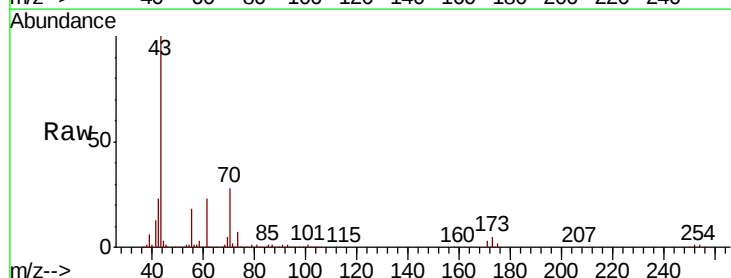
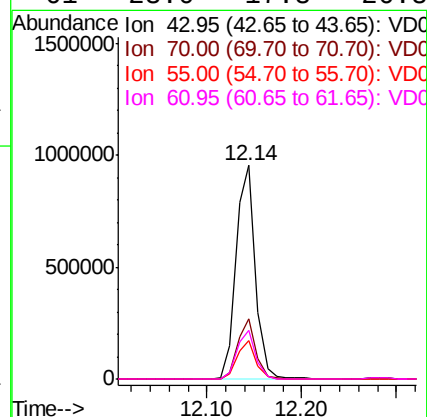
Ion Ratio Lower Upper

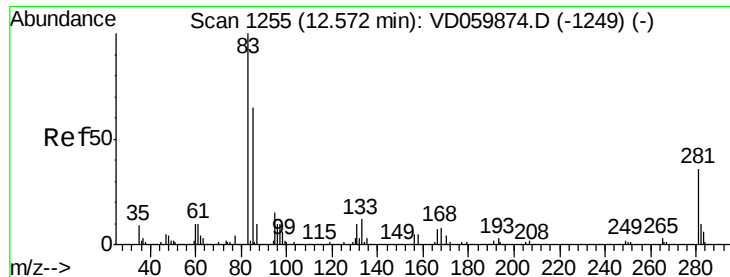
43 100

70 28.0 21.4 32.2

55 17.7 14.1 21.1

61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 68.00 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 717242

Ion Ratio Lower Upper

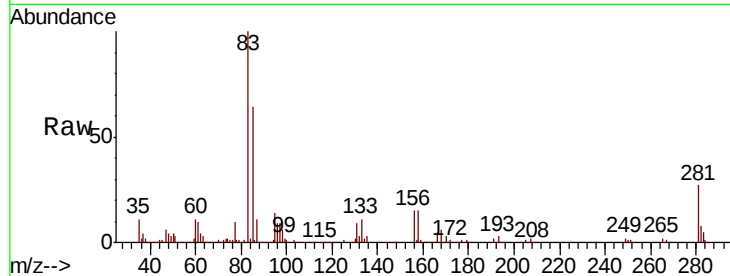
83 100

131 8.5 4.8 14.4

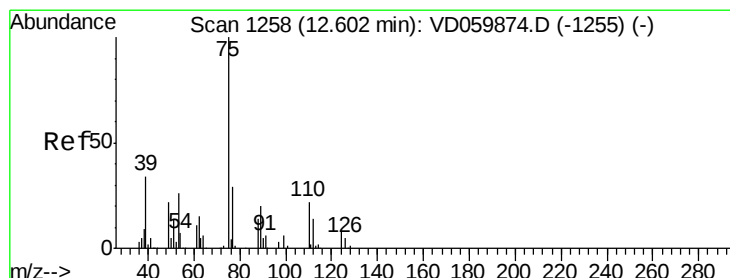
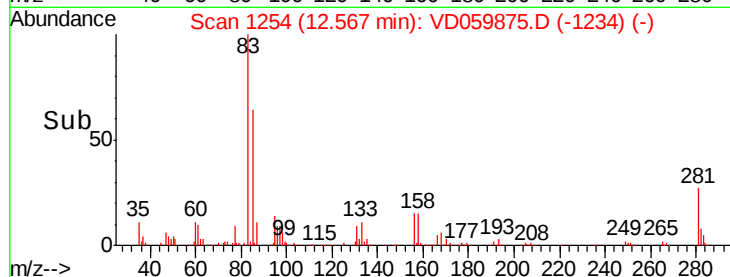
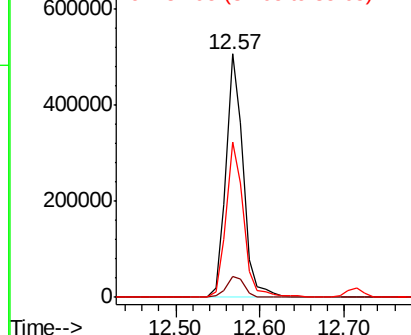
85 63.8 32.6 97.8

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 67.29 ug/l

RT: 12.61 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059875.D

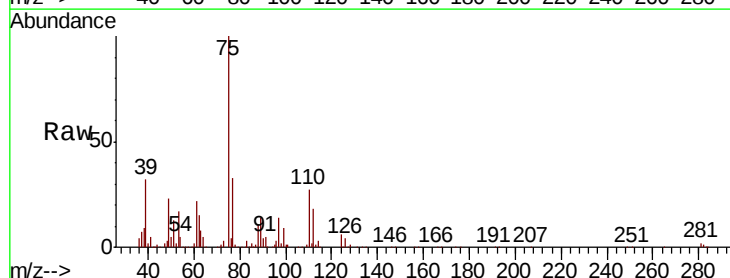
Acq: 22 Aug 2018 14:37

Tgt Ion: 75 Resp: 764222

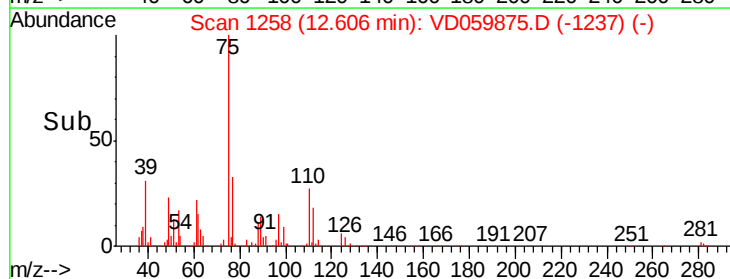
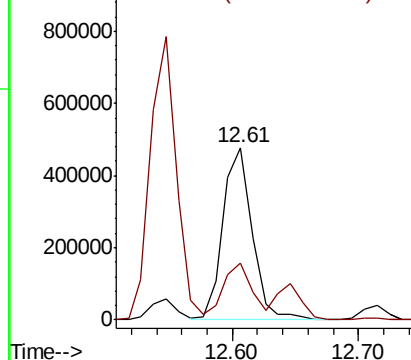
Ion Ratio Lower Upper

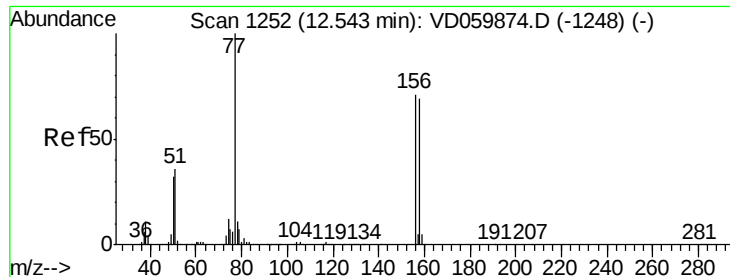
75 100

77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





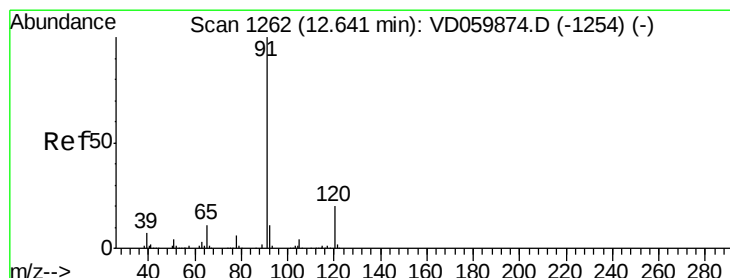
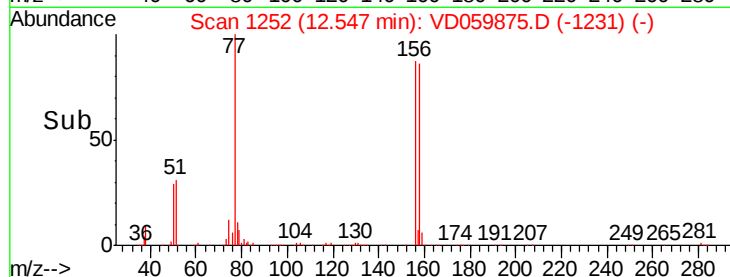
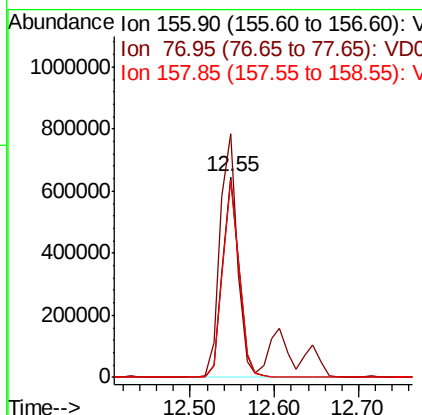
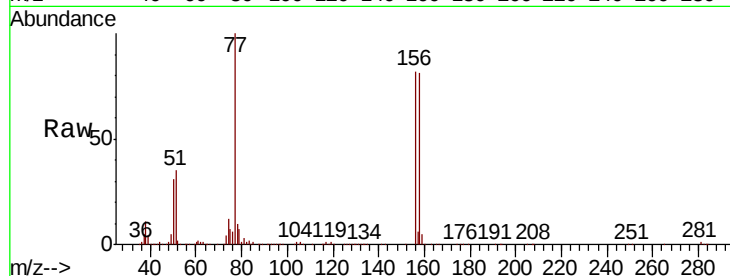
#77
Bromobenzene
Concen: 69.46 ug/l
RT: 12.55 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	121.6	70.2	210.4
158	98.8	48.4	145.2

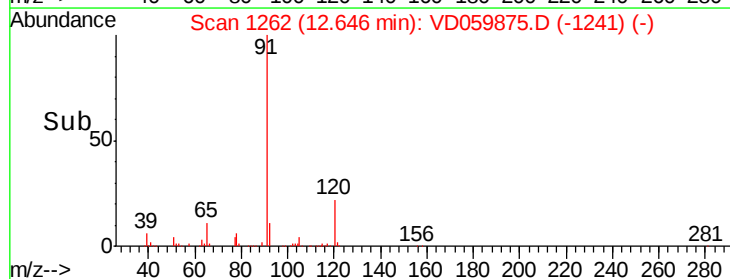
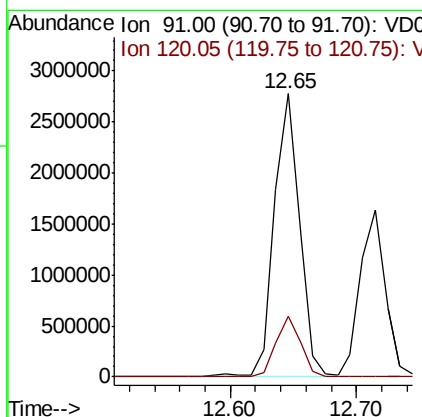
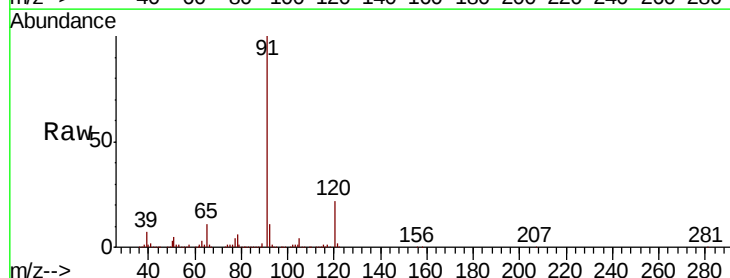
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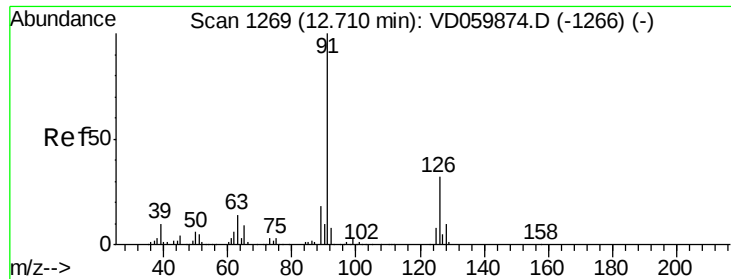
apatel
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#78
n-propylbenzene
Concen: 68.30 ug/l
RT: 12.65 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.1	30.3





#79

2-Chlorotoluene

Concen: 69.64 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 2262561

Ion Ratio Lower Upper

91 100

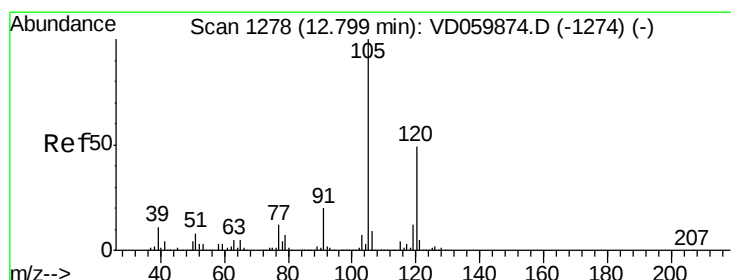
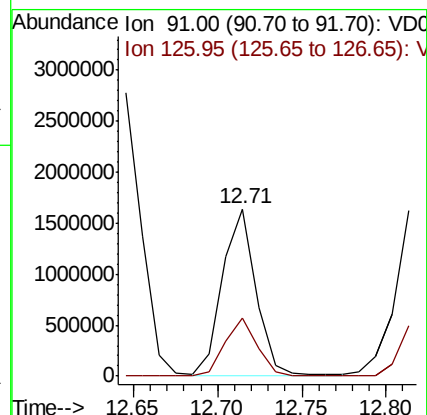
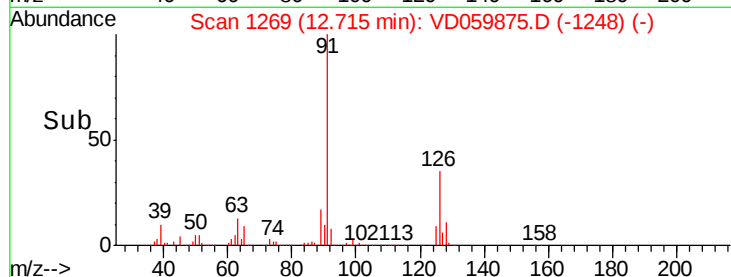
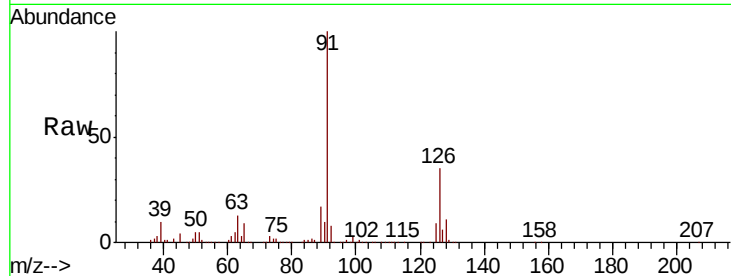
126 35.1 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 69.57 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059875.D

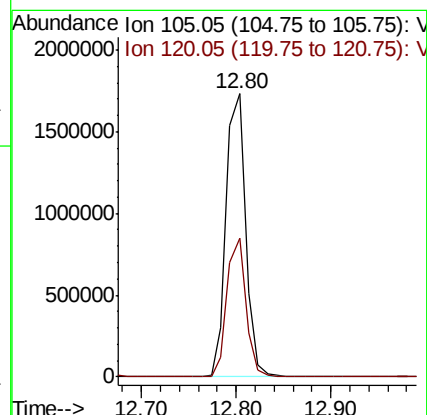
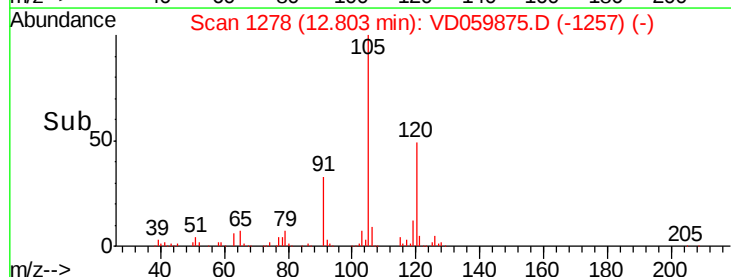
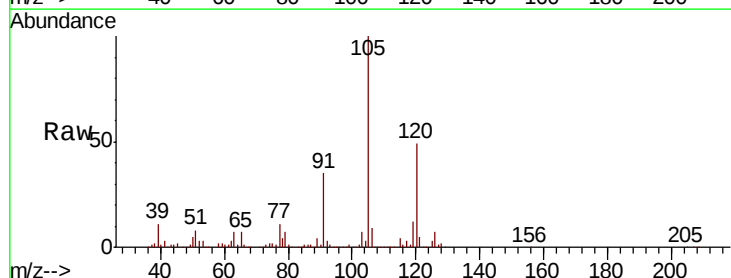
Acq: 22 Aug 2018 14:37

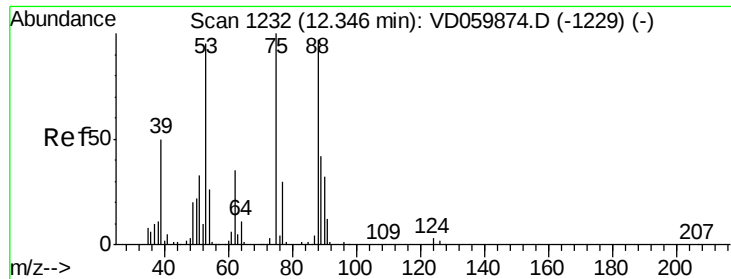
Tgt Ion: 105 Resp: 2480831

Ion Ratio Lower Upper

105 100

120 49.0 24.5 73.5





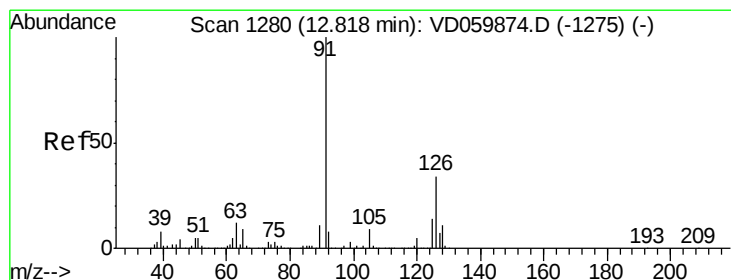
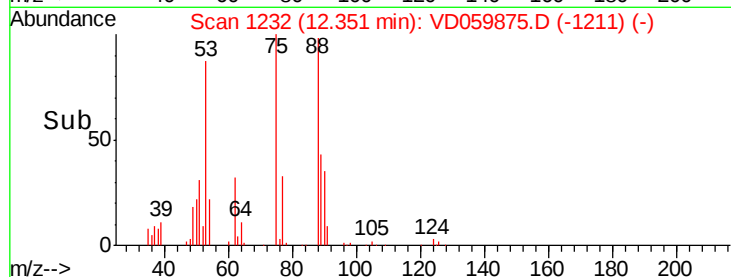
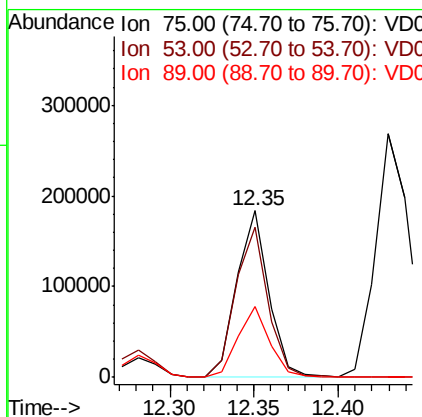
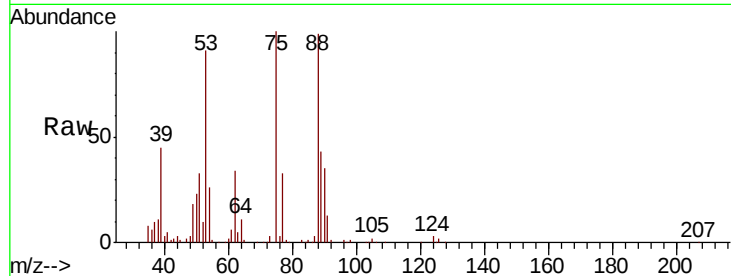
#81
trans-1,4-Dichloro-2-butene
Concen: 68.84 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	75.8	113.6
89	42.8	33.6	50.4

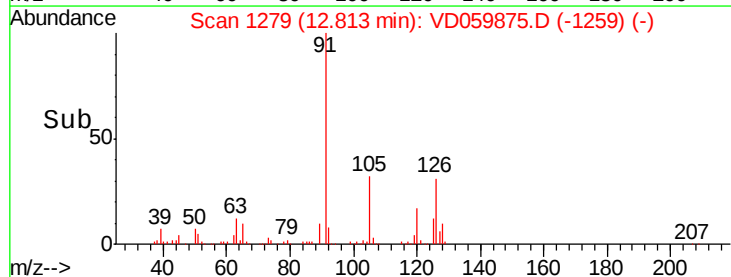
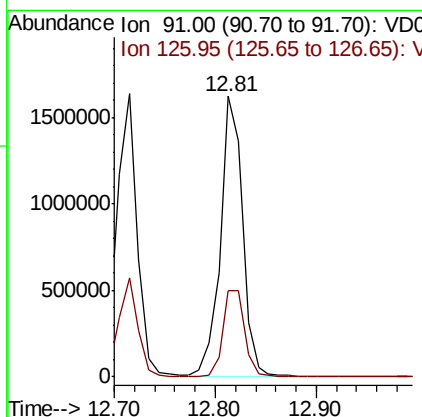
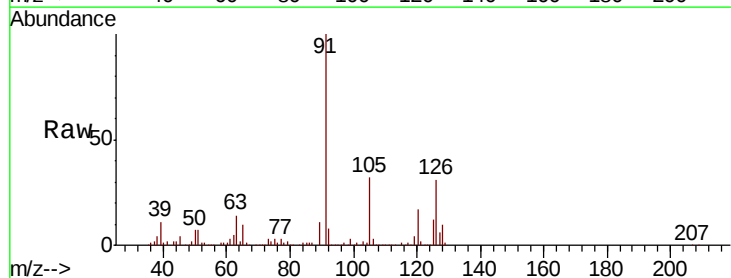
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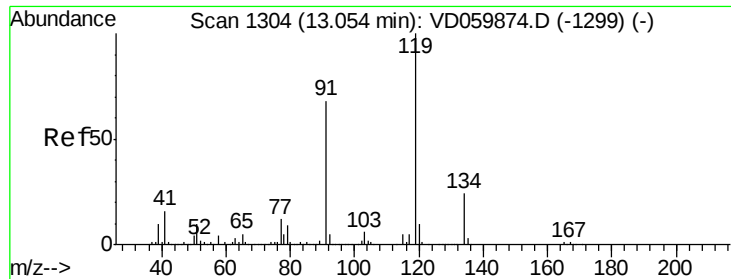
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#82
4-Chlorotoluene
Concen: 68.62 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	17.1	51.2





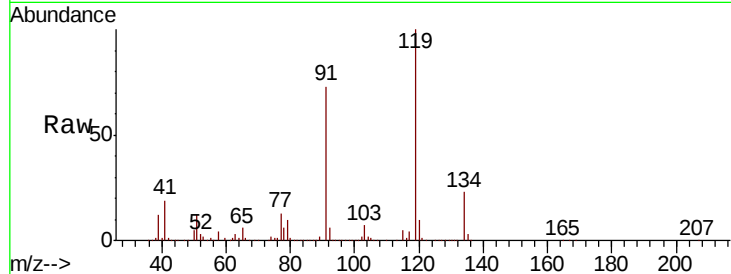
#83
 tert-Butylbenzene
 Concen: 69.80 ug/l
 RT: 13.05 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

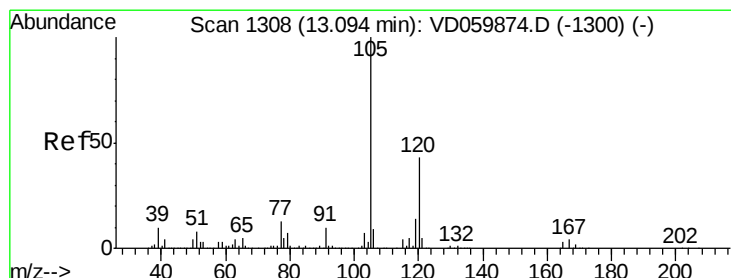
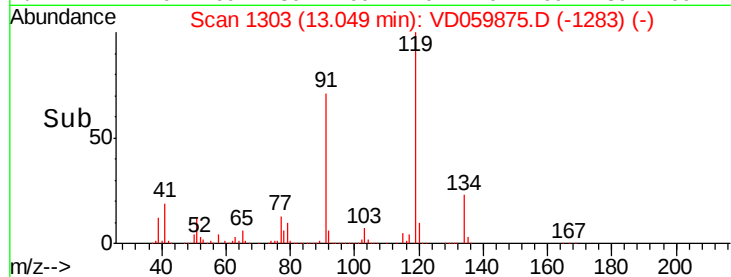
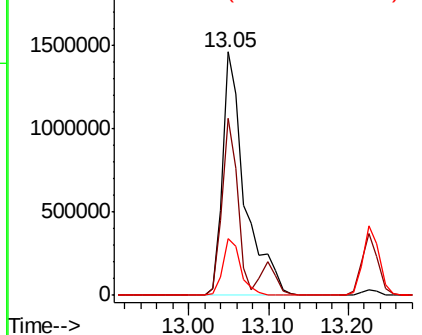
Tot Ion	Ratio	Lower	Upper
119	100		
91	72.8	34.3	102.9
134	23.4	11.9	35.9

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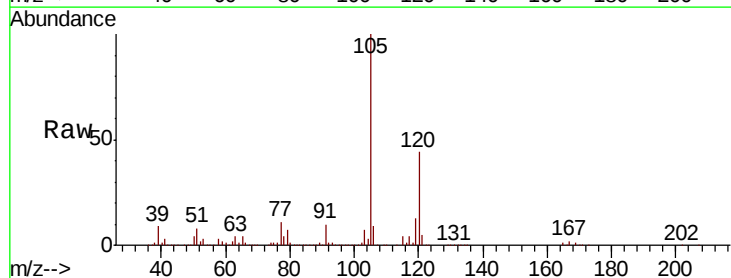


Abundance Ion 119.05 (118.75 to 119.75): V
 2000000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

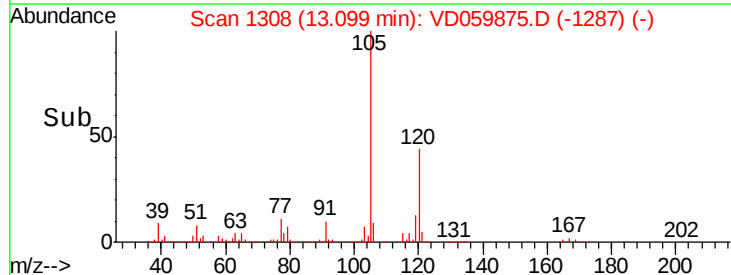
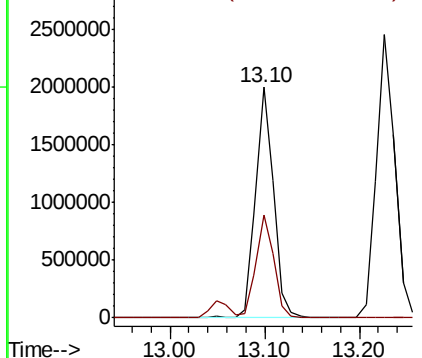


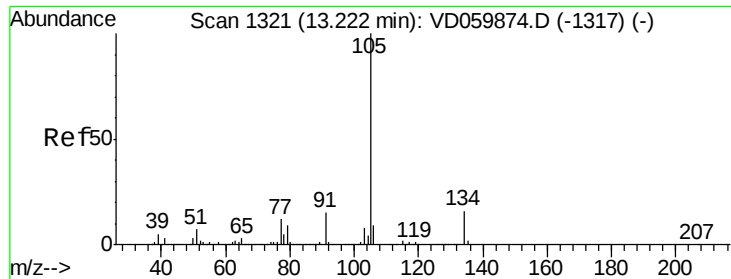
#84
 1,2,4-Trimethylbenzene
 Concen: 70.24 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 69.46 ug/l

RT: 13.23 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 3373410

Ion Ratio Lower Upper

105 100

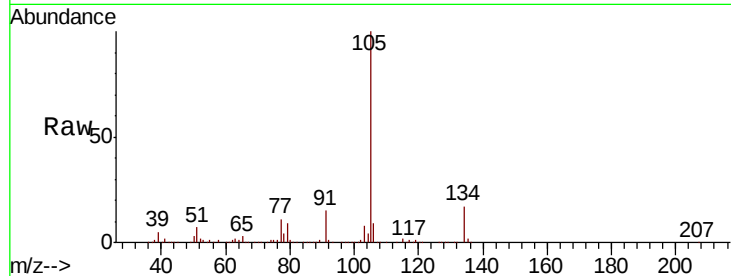
134 17.0 8.2 24.4

Manual Integrations

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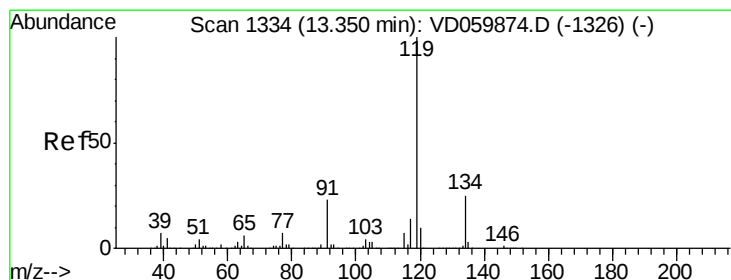
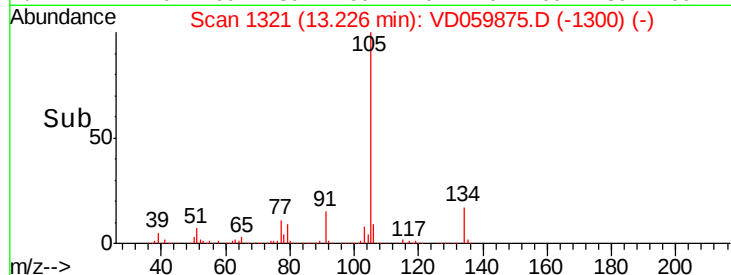
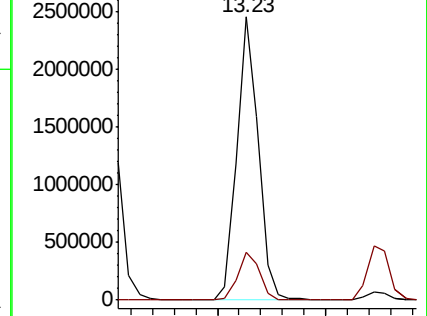
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 70.15 ug/l

RT: 13.34 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

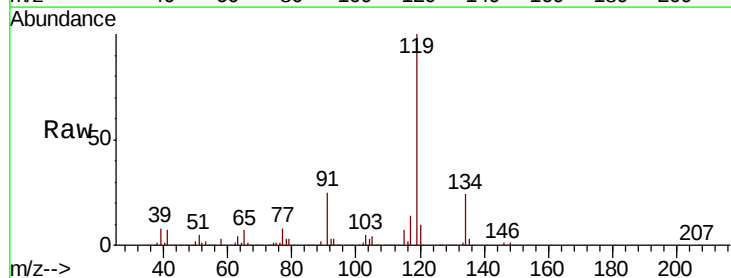
Tgt Ion:119 Resp: 2755984

Ion Ratio Lower Upper

119 100

134 24.3 12.7 38.1

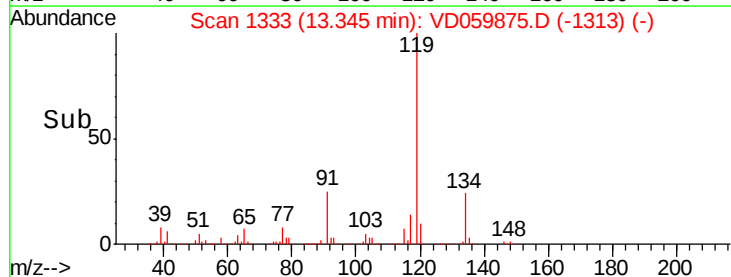
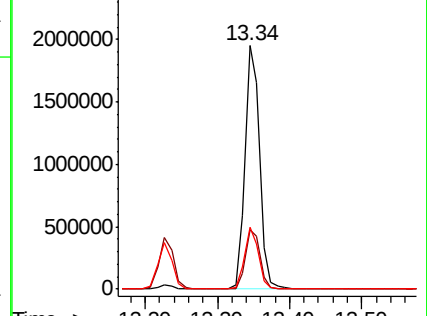
91 25.4 11.7 35.0

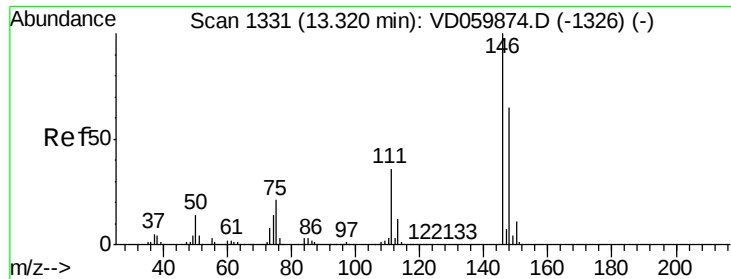


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 69.01 ug/l

RT: 13.32 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:146 Resp: 1560454

Ion Ratio Lower Upper

146 100

111 41.2 17.9 53.7

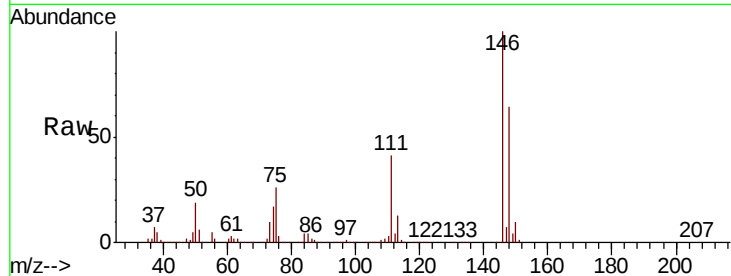
148 64.1 32.4 97.0

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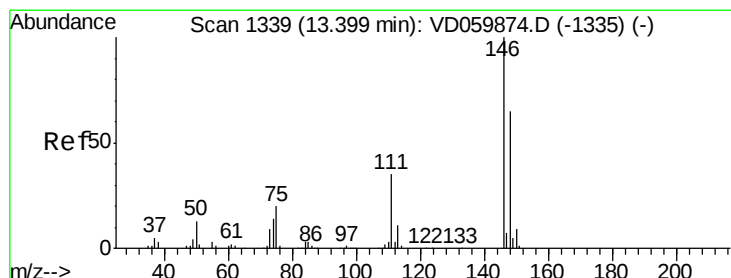
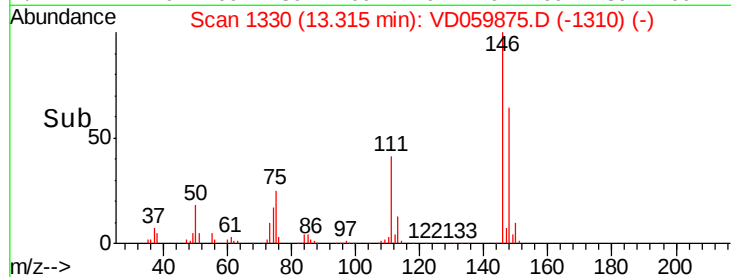
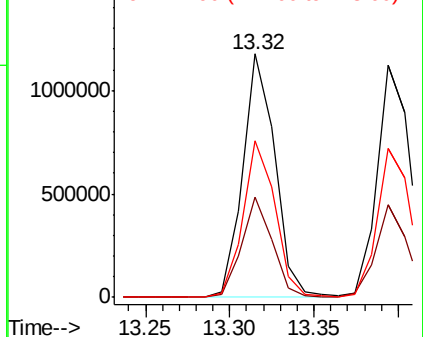
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 68.78 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

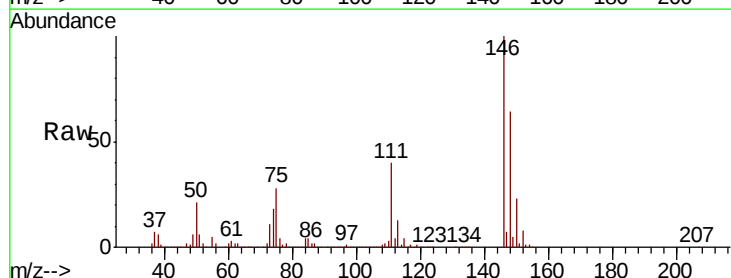
Tgt Ion:146 Resp: 1551113

Ion Ratio Lower Upper

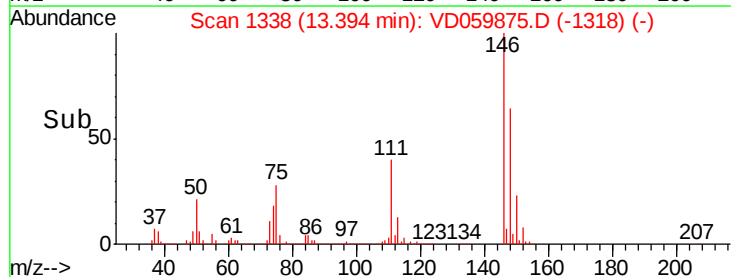
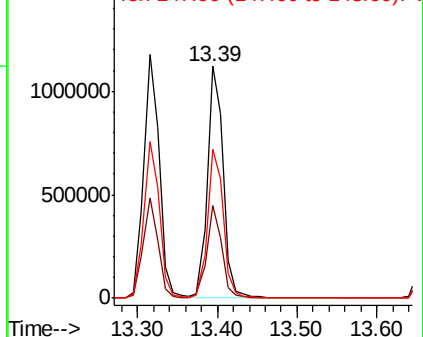
146 100

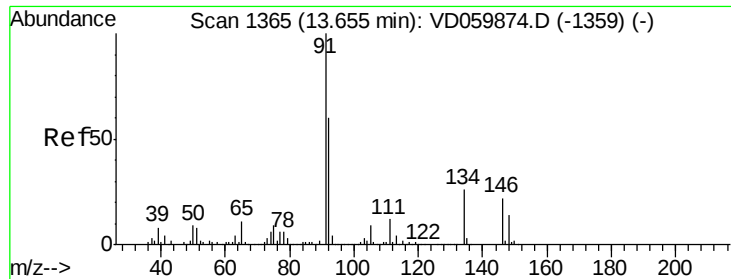
111 40.2 17.5 52.6

148 64.1 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





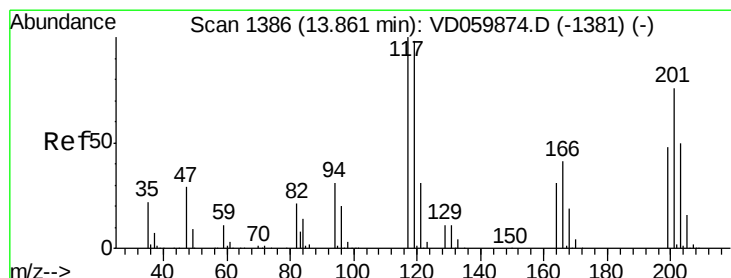
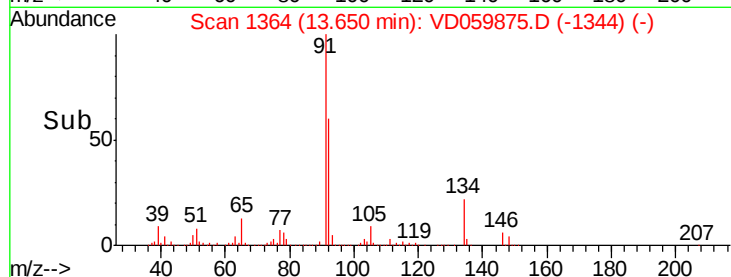
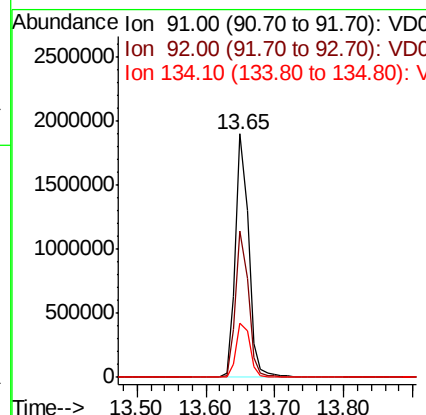
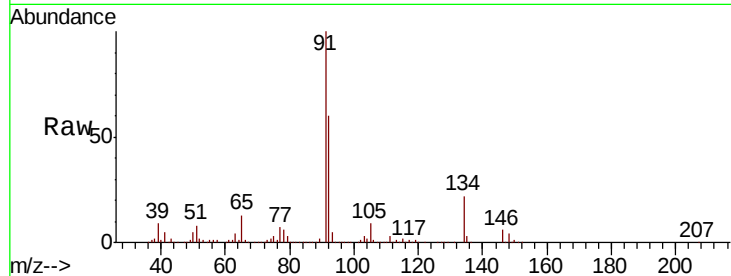
#89
n-Butylbenzene
Concen: 65.32 ug/l
RT: 13.65 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2521386
Ion Ratio Lower Upper
91 100
92 60.1 30.0 90.1
134 22.5 12.8 38.4

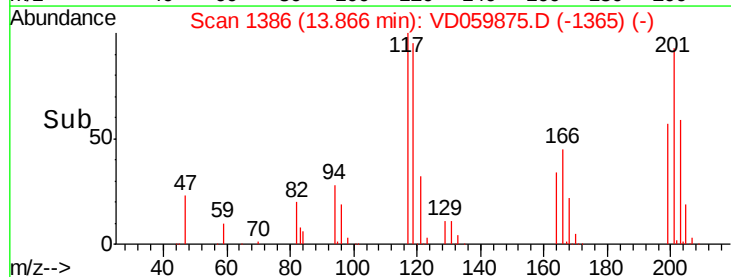
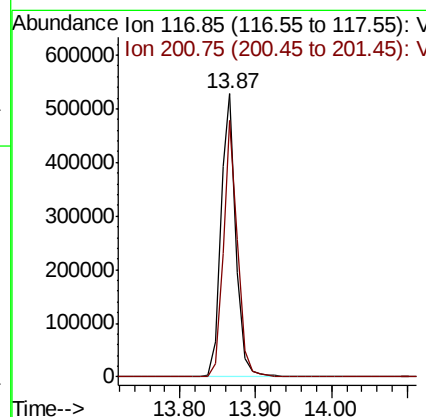
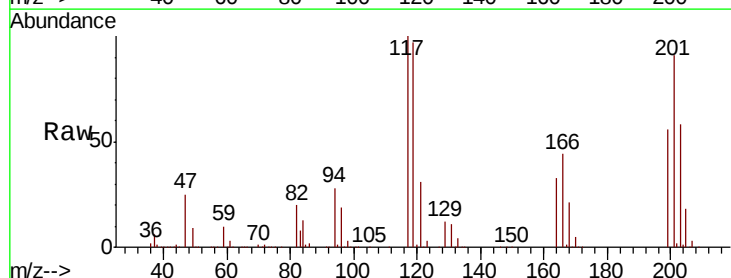
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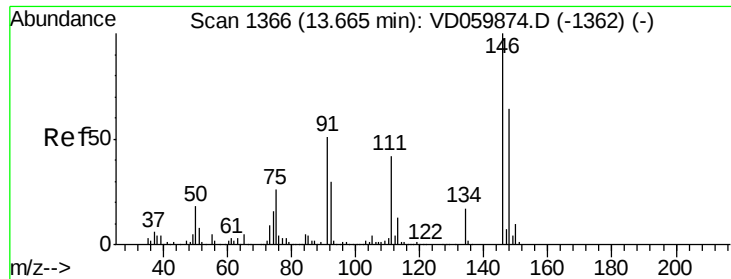
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#90
Hexachloroethane
Concen: 68.89 ug/l
RT: 13.87 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 117 Resp: 737026
Ion Ratio Lower Upper
117 100
201 90.7 38.1 114.5





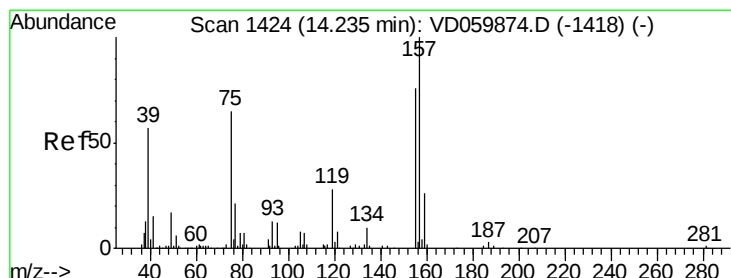
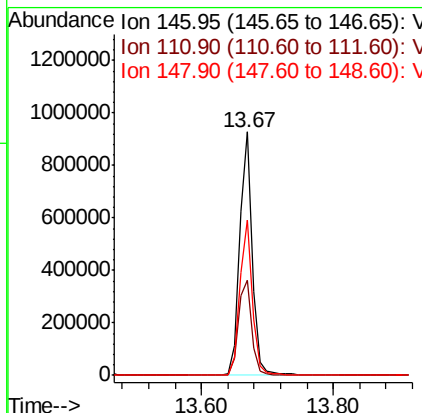
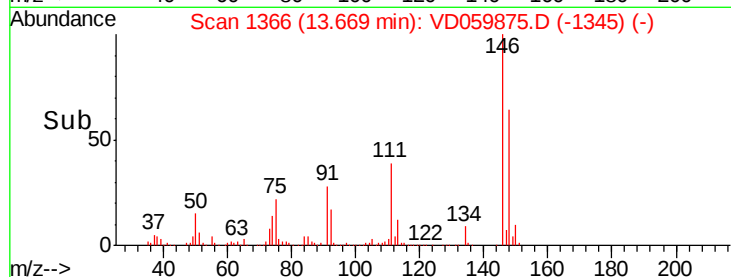
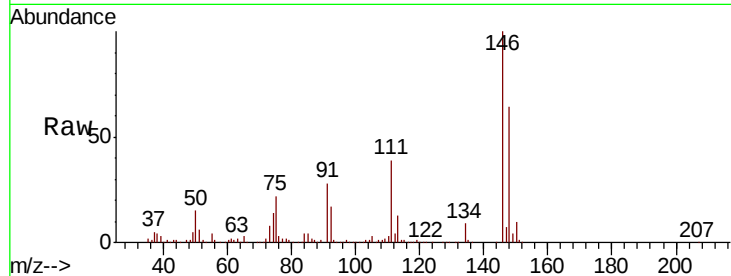
#91
 1,2-Dichlorobenzene
 Concen: 65.44 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.1	63.1
148	64.0	32.2	96.6

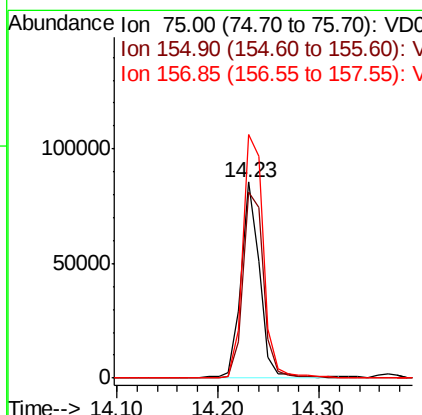
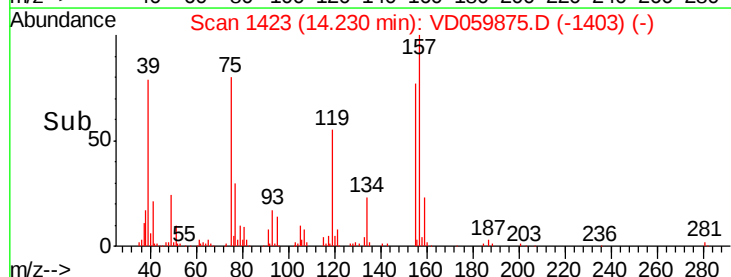
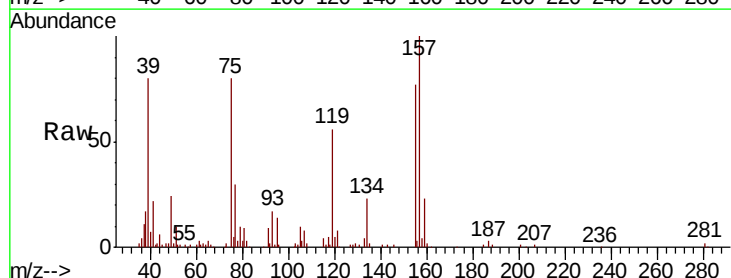
Manual Integrations
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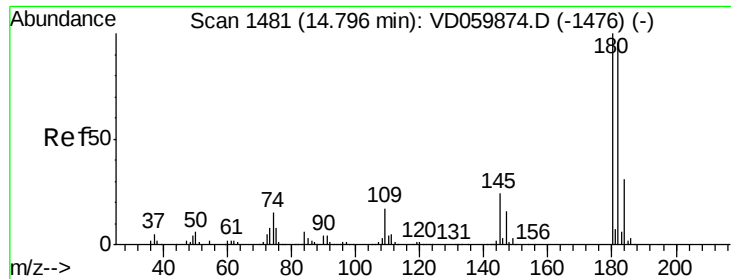
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.56 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	58.2	174.6
157	124.4	76.8	230.4





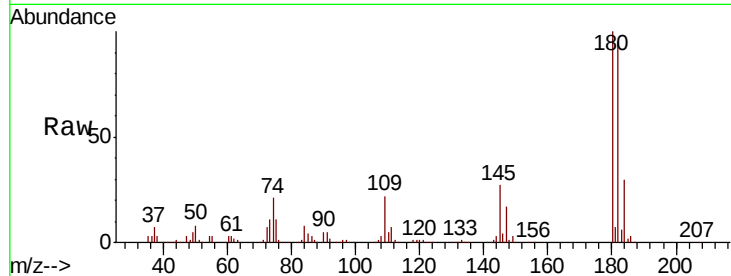
#93
 1,2,4-Trichlorobenzene
 Concen: 71.14 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	27.1	12.2	36.4

Manual Integrations
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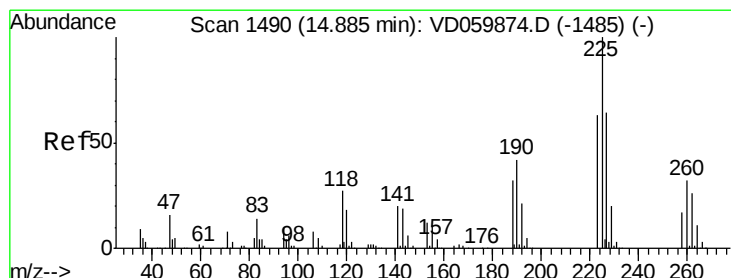
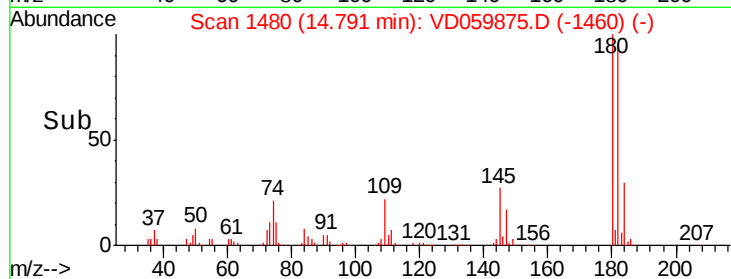
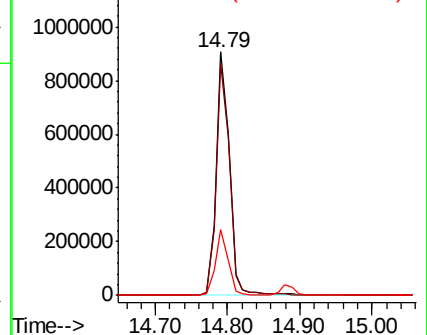


Abundance

Ion 179.85 (179.55 to 180.55): V

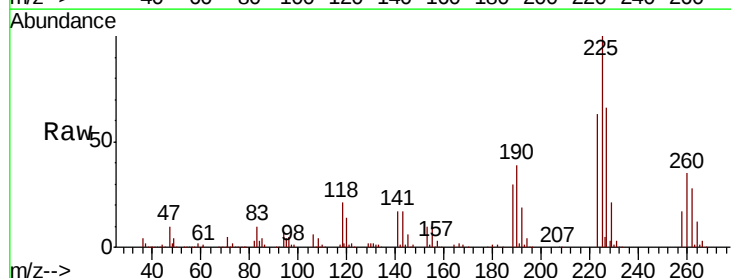
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 71.90 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.6	94.8
227	65.6	32.0	96.0

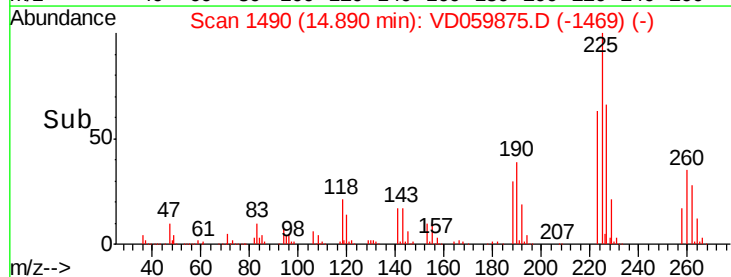
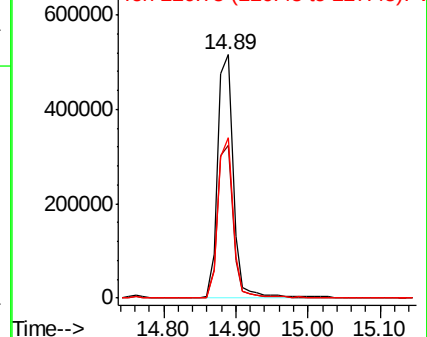


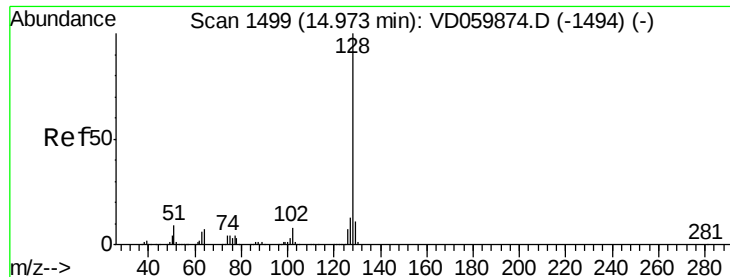
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





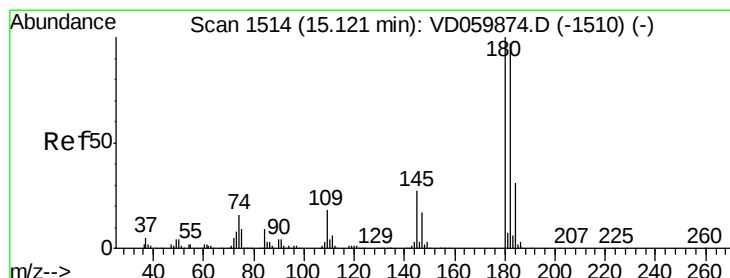
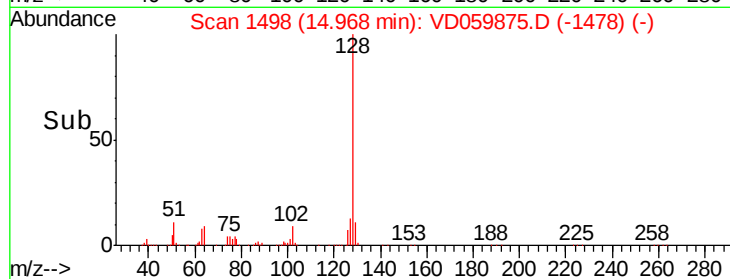
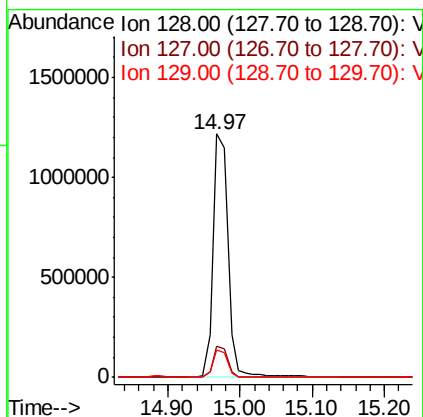
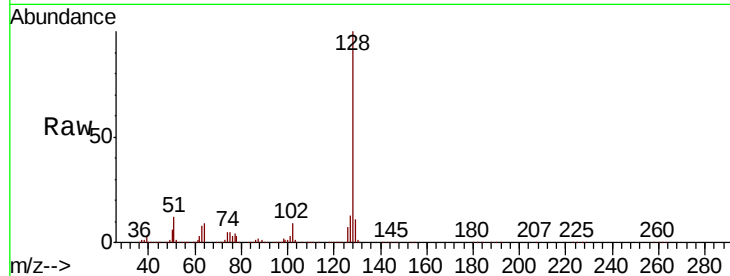
#95
Naphthalene
Concen: 67.69 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	11.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 69.64 ug/l
RT: 15.12 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.6	145.8
145	29.6	13.6	40.8

