

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059876.D
 Acq On : 22 Aug 2018 15:05
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:53:02 AM

Quant Time: Aug 23 01:40:49 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	6.41	168	1222053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1699160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1432027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	729455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	944603	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
35) Dibromofluoromethane	6.33	113	1286735	99.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.26%	
50) Toluene-d8	9.46	98	3573767	100.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.10%	
62) 4-Bromofluorobenzene	12.43	95	1348124	94.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	1039625	97.57	ug/l	100
3) Chloromethane	1.75	50	976842	99.28	ug/l	98
4) Vinyl Chloride	1.85	62	800625	103.55	ug/l	100
5) Bromomethane	2.13	94	75115	82.66	ug/l	91
6) Chloroethane	2.23	64	174699	88.98	ug/l	100
7) Trichlorofluoromethane	2.50	101	810734	96.68	ug/l	98
8) Diethyl Ether	2.82	74	187243	97.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	503991	94.45	ug/l	96
10) Methyl Iodide	3.23	142	605757	120.10	ug/l	98
11) Tert butyl alcohol	3.99	59	400706	500.66	ug/l	98
12) 1,1-Dichloroethene	3.07	96	392582	96.63	ug/l	96
13) Acrolein	2.98	56	177477	559.06	ug/l	97
14) Allyl chloride	3.53	41	954155	99.73	ug/l	98
15) Acrylonitrile	4.09	53	1398453	478.80	ug/l	100
16) Acetone	3.16	43	975300	547.74	ug/l	99
17) Carbon Disulfide	3.30	76	1313965	103.99	ug/l	100
18) Methyl Acetate	3.56	43	370182	94.28	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	2327973	95.74	ug/l	99
20) Methylene Chloride	3.72	84	1224113	83.79	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	1126742	97.92	ug/l	99
22) Diisopropyl ether	4.86	45	4795606	98.50	ug/l	99
23) Vinyl Acetate	4.81	43	13121894	483.65	ug/l	99
24) 1,1-Dichloroethane	4.76	63	2057837	98.02	ug/l	100
25) 2-Butanone	5.63	43	2804423	527.37	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1561663	91.05	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	1261565	98.77	ug/l	97
28) Bromochloromethane	5.93	49	945744	93.78	ug/l	97
29) Tetrahydrofuran	5.96	42	1294780	487.96	ug/l	100
30) Chloroform	6.11	83	2104023	98.16	ug/l	98
31) Cyclohexane	6.37	56	1790707	93.38	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1797172	98.86	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1439873	95.55	ug/l	99
37) Ethyl Acetate	5.70	43	1165628	96.39	ug/l	98
38) Carbon Tetrachloride	6.50	117	1441197	94.36	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1598287	96.09	ug/l	99
40) Benzene	6.81	78	3916512	99.17	ug/l	99
41) Methacrylonitrile	5.93	41	569708m	52.50	ug/l	
42) 1,2-Dichloroethane	6.90	62	1275162	98.99	ug/l	98
43) Isopropyl Acetate	8.36	43	1607004	101.14	ug/l	99
44) Trichloroethene	7.75	130	1186045	102.24	ug/l	99
45) 1,2-Dichloropropane	8.11	63	1106769	98.99	ug/l	96
46) Dibromomethane	8.22	93	737426	102.91	ug/l	99
47) Bromodichloromethane	8.50	83	1617626	99.87	ug/l	98
48) Methyl methacrylate	8.25	41	893040	99.84	ug/l	98
49) 1,4-Dioxane	8.24	88	168850	2070.21	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	5887902	533.16	ug/l	98
52) Toluene	9.56	92	2554746	100.54	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1504518	100.08	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1747822	99.89	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	885544	95.67	ug/l	99
56) Ethyl methacrylate	10.04	69	1058825	96.16	ug/l	99
57) 1,3-Dichloropropane	10.40	76	1349866	99.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	2460237	468.85	ug/l	94
59) 2-Hexanone	10.50	43	4352096	543.43	ug/l	99
60) Dibromochloromethane	10.65	129	1184338	100.48	ug/l	100
61) 1,2-Dibromoethane	10.77	107	976162	102.27	ug/l	98
64) Tetrachloroethene	10.26	164	1106677	101.13	ug/l	99
65) Chlorobenzene	11.32	112	2810622	100.06	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	940044	92.46	ug/l	99
67) Ethyl Benzene	11.44	91	4076479	88.81	ug/l	96
68) m/p-Xylenes	11.58	106	2953963	178.30	ug/l	96
69) o-Xylene	11.94	106	1556815	95.72	ug/l	95
70) Styrene	11.96	104	2701028	95.61	ug/l	99
71) Bromoform	12.12	173	937630	103.92	ug/l	100
73) Isopropylbenzene	12.29	105	4332572	94.19	ug/l	97
74) N-amyl acetate	12.14	43	2027784	98.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	1050368	99.34	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1104572	97.02	ug/l	100
77) Bromobenzene	12.55	156	1264837	99.03	ug/l	82
78) n-propylbenzene	12.64	91	5085970	88.97	ug/l	99
79) 2-Chlorotoluene	12.71	91	3067567	94.19	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	3252386	90.97	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	356378	101.66	ug/l	99
82) 4-Chlorotoluene	12.82	91	3205044	88.15	ug/l	99
83) tert-Butylbenzene	13.05	119	3769606	90.71	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	3442655	91.40	ug/l	96
85) sec-Butylbenzene	13.23	105	4485701	92.13	ug/l	96
86) p-Isopropyltoluene	13.35	119	3577419	90.83	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	2155658	95.09	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	2122527	93.88	ug/l	98
89) n-Butylbenzene	13.65	91	3181745	82.22	ug/l	99
90) Hexachloroethane	13.86	117	1031472	96.17	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1636595	86.61	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	169261	101.47	ug/l	98

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QLast Update : Thu Aug 23 01:14:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1568882	96.70	ug/l	99
94) Hexachlorobutadiene	14.88	225	1043031	96.91	ug/l	99
95) Naphthalene	14.97	128	2597356	100.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1411012	99.17	ug/l	99

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

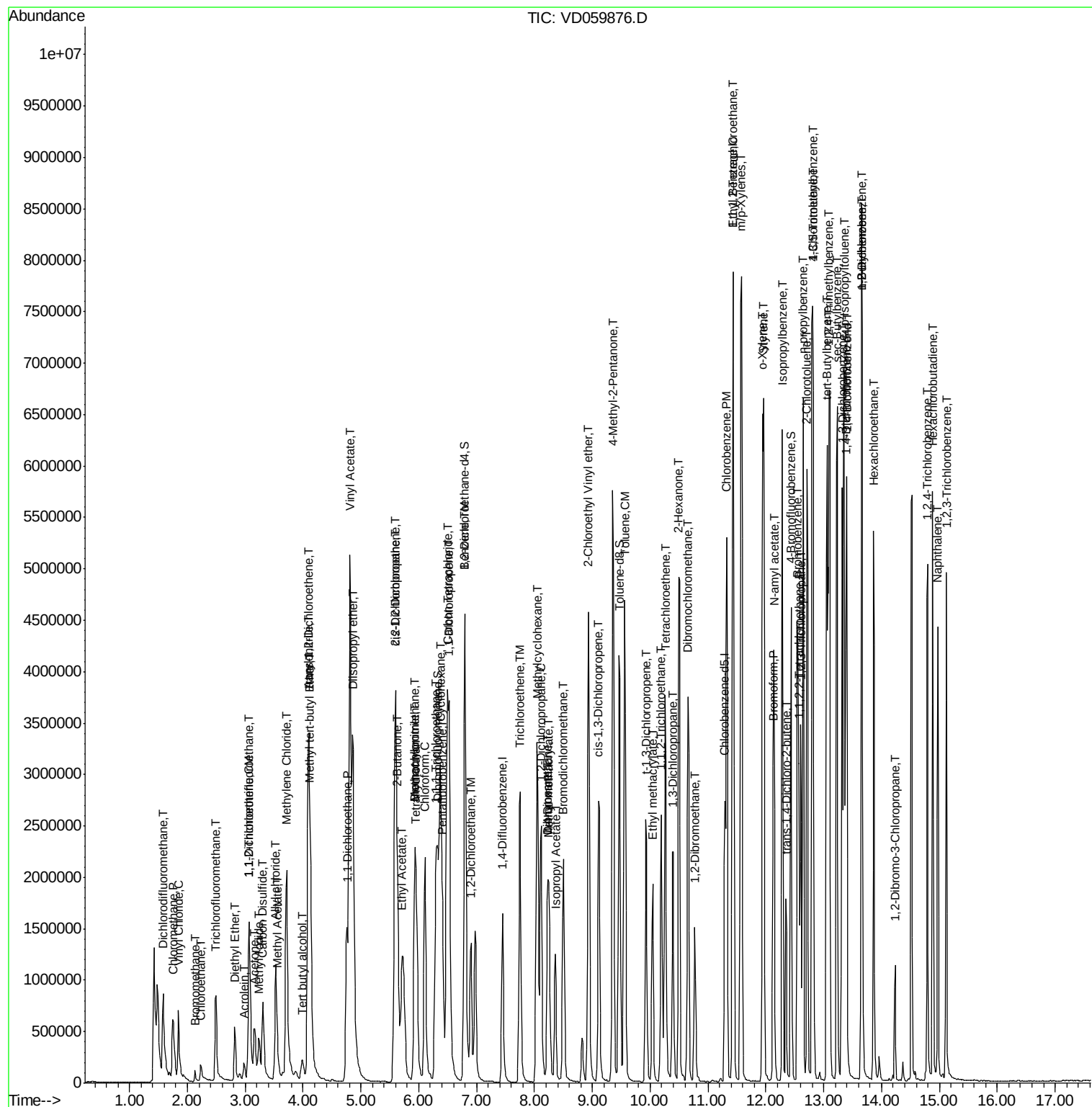
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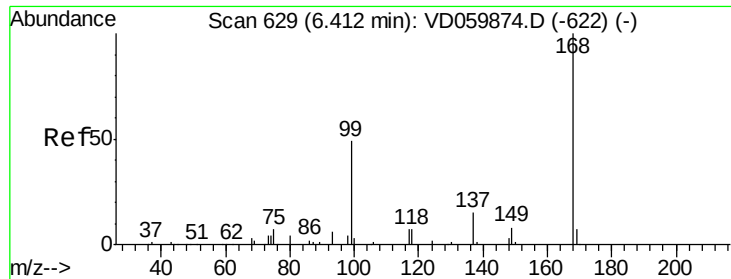
Instrument :
 MSVOA_D
 Client Sample ID :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion:168 Resp: 1222053

Ion Ratio Lower Upper

168 100

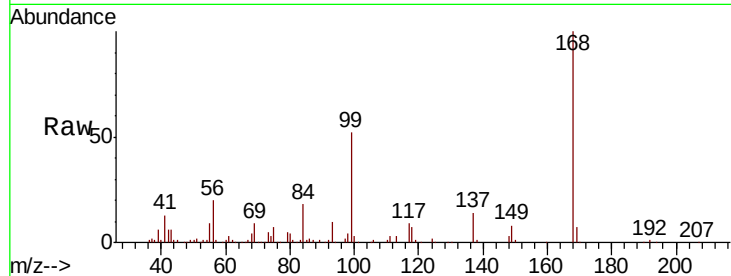
99 52.1 42.2 63.2

Manual Integrations

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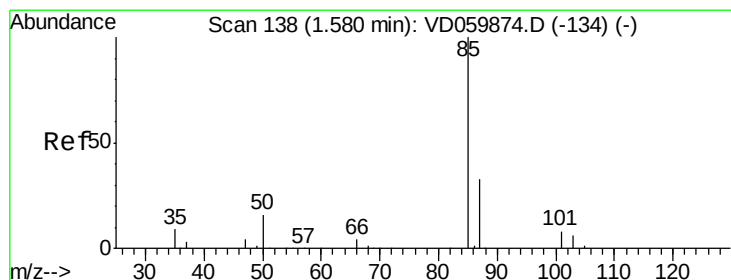
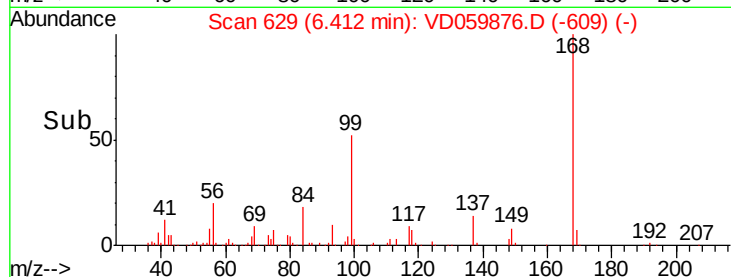
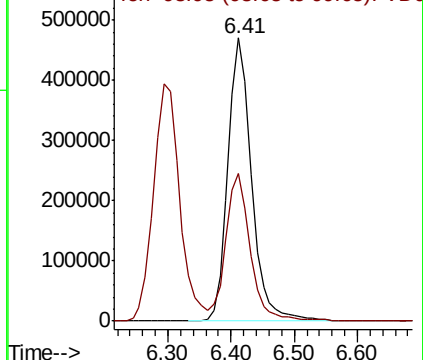
apatel

8/23/2018 10:53:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 97.57 ug/l

RT: 1.58 min Scan# 138

Delta R.T. -0.00 min

Lab File: VD059876.D

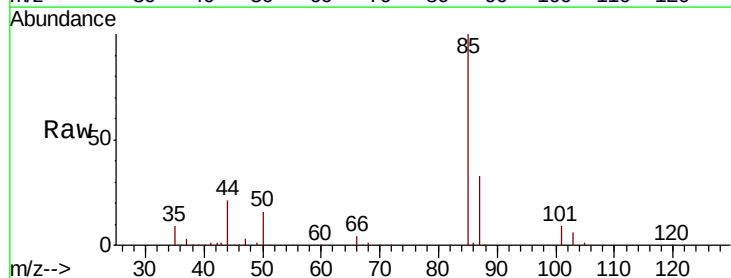
Acq: 22 Aug 2018 15:05

Tgt Ion: 85 Resp: 1039625

Ion Ratio Lower Upper

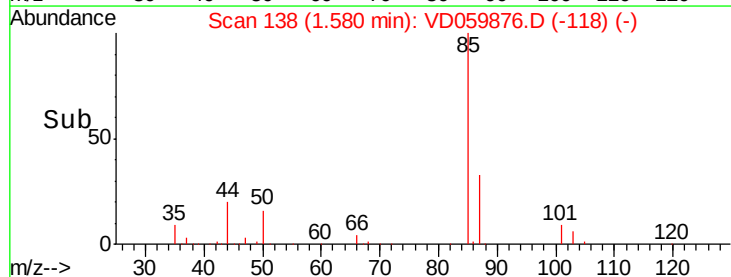
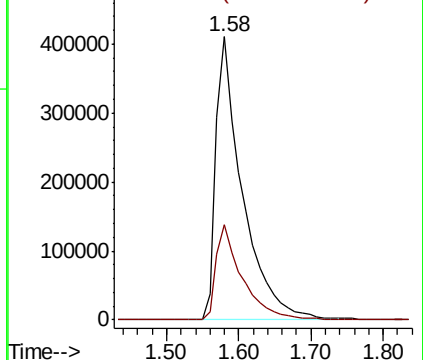
85 100

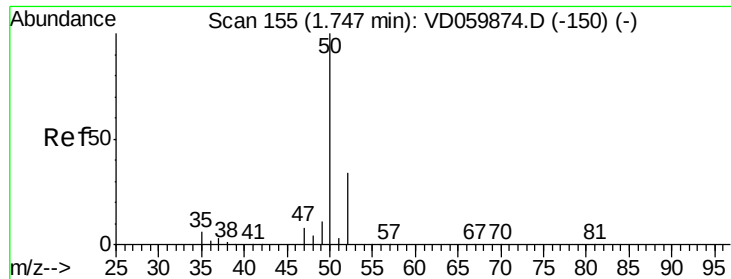
87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.28 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 976842

Ion Ratio Lower Upper

50 100

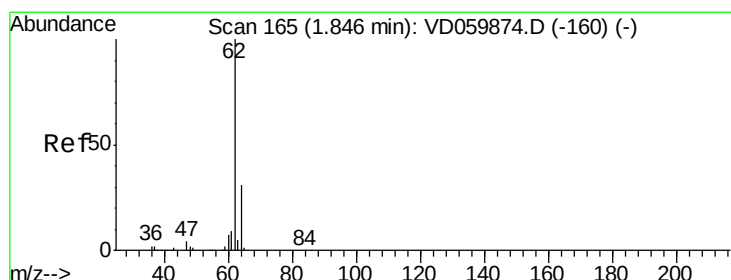
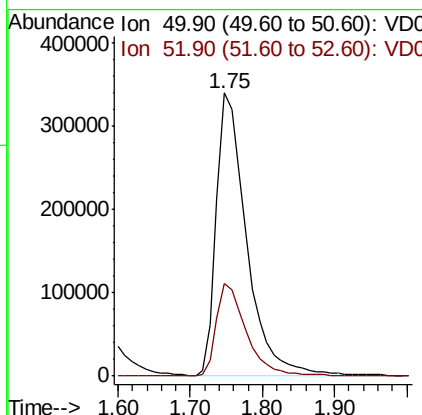
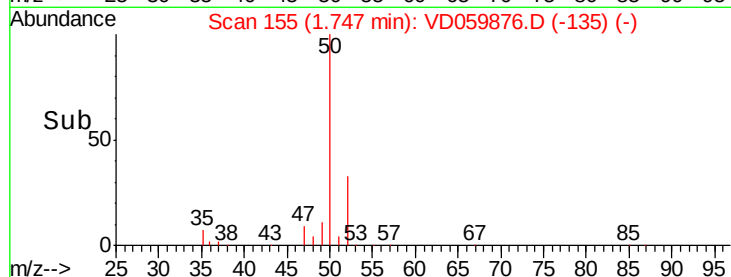
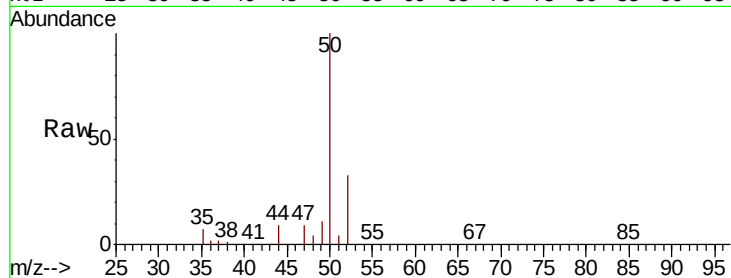
52 32.7 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 103.55 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD059876.D

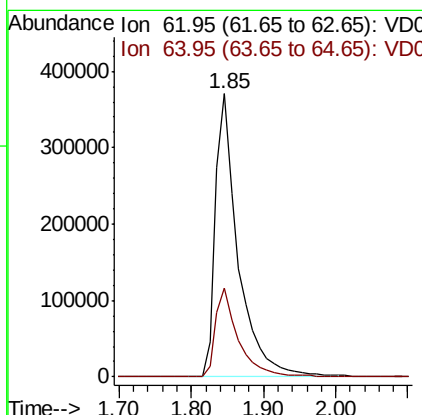
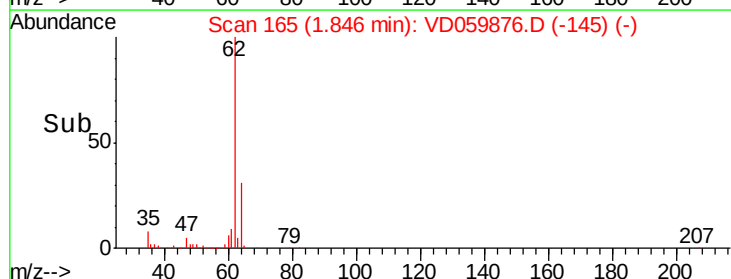
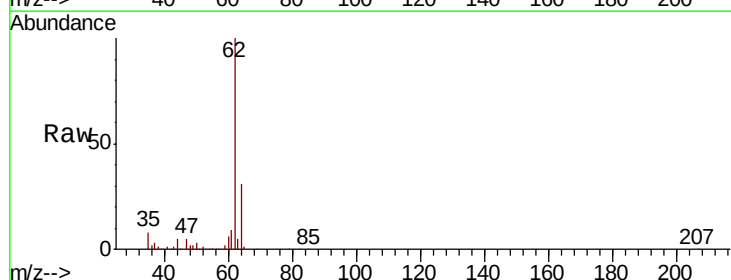
Acq: 22 Aug 2018 15:05

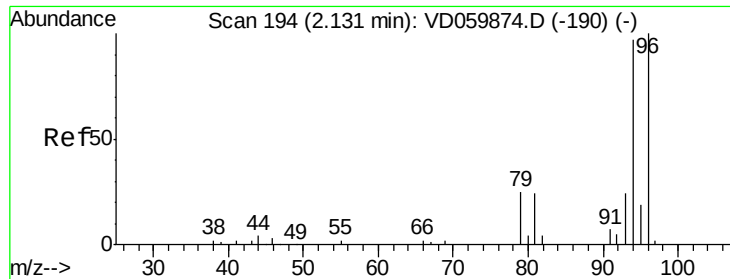
Tgt Ion: 62 Resp: 800625

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 82.66 ug/l

RT: 2.13 min Scan# 194

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 75115

Ion Ratio Lower Upper

94 100

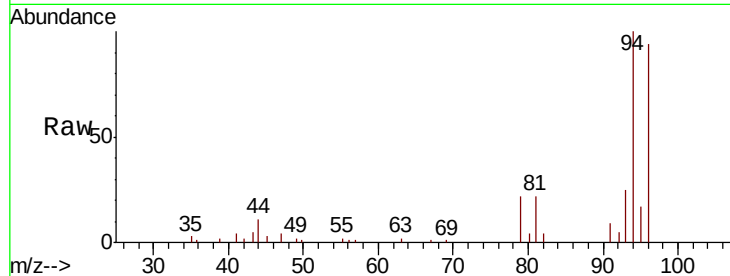
96 94.1 82.4 123.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

40000

30000

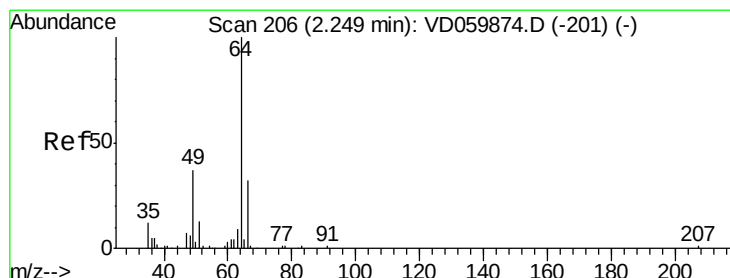
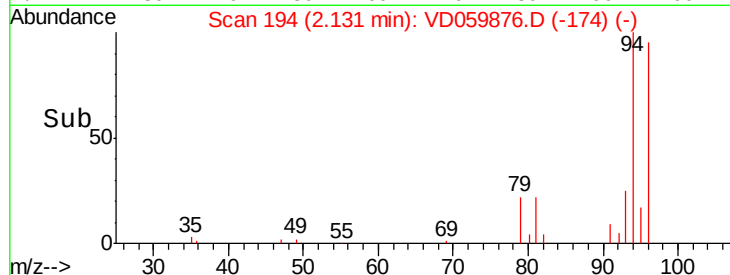
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 88.98 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059876.D

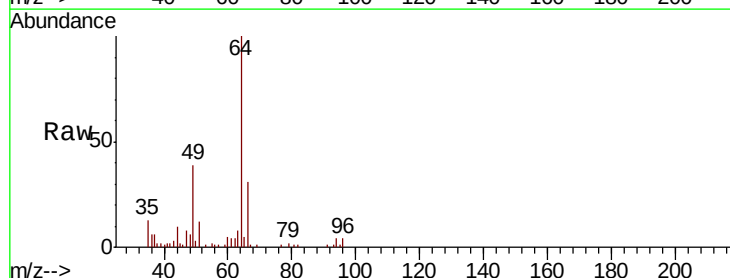
Acq: 22 Aug 2018 15:05

Tgt Ion: 64 Resp: 174699

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

60000

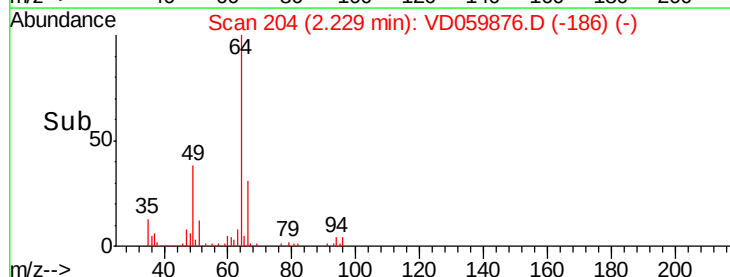
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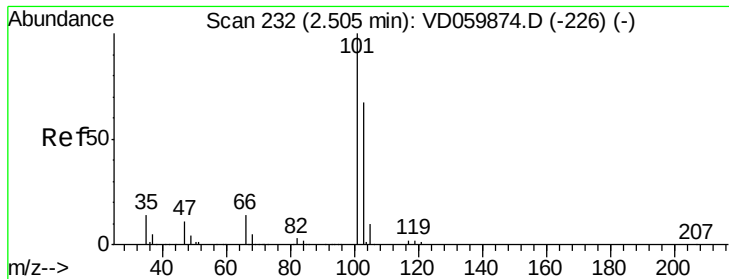
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Time-->

2.10 2.20 2.30 2.40





#7

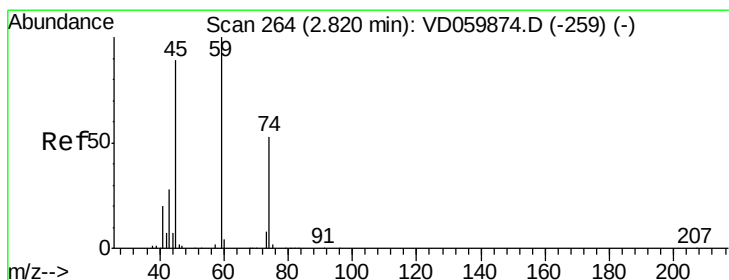
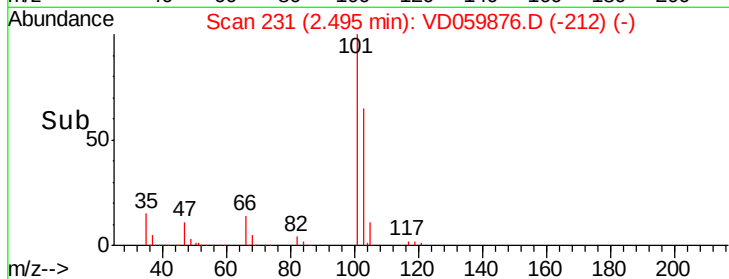
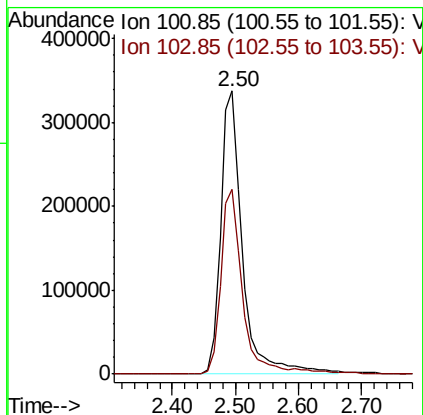
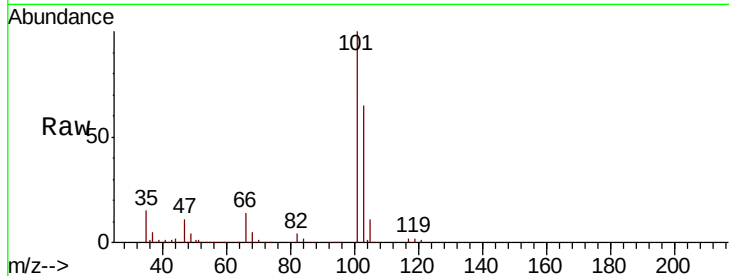
Trichlorofluoromethane
Concen: 96.68 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	810734		
103	65.1	53.7	80.5	

Manual Integrations
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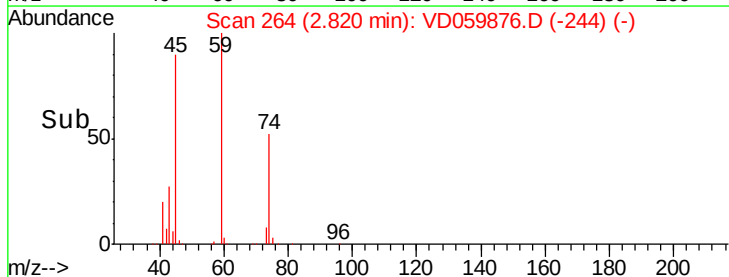
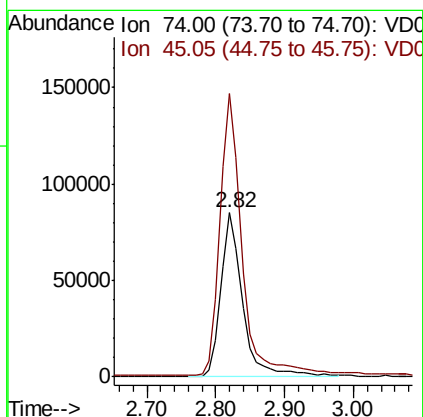
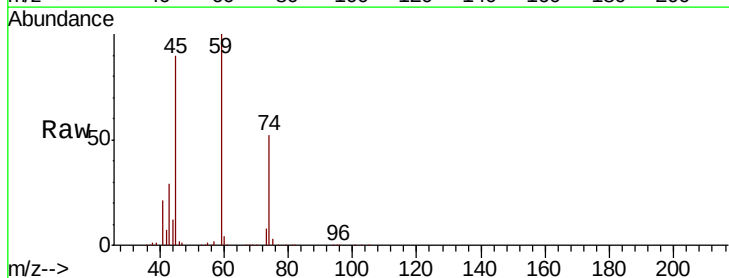
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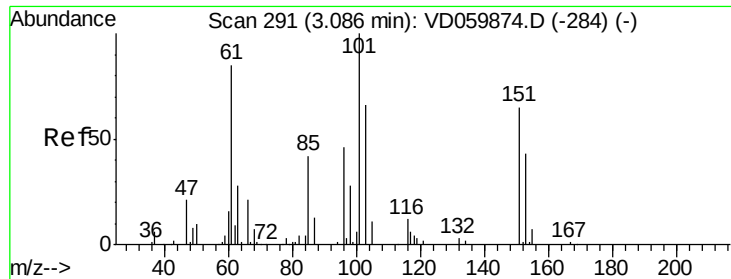


#8

Diethyl Ether
Concen: 97.59 ug/l
RT: 2.82 min Scan# 264
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	187243		
45	172.6	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.45 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

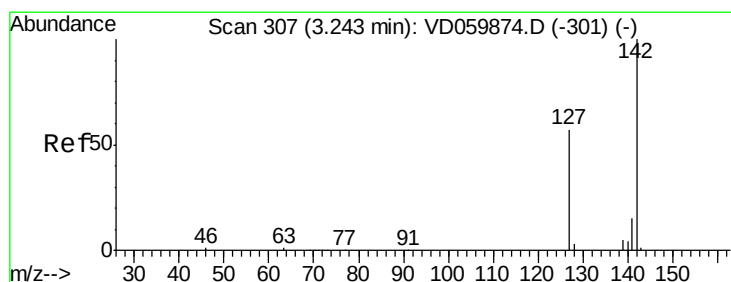
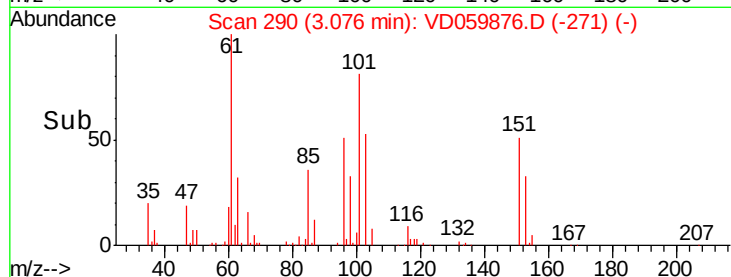
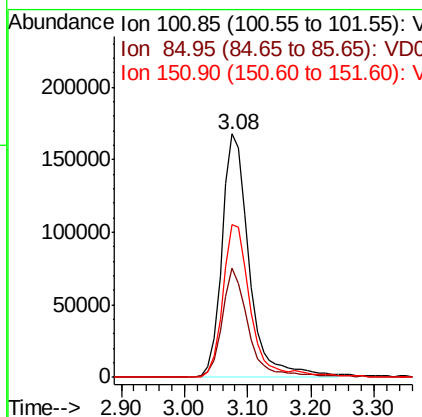
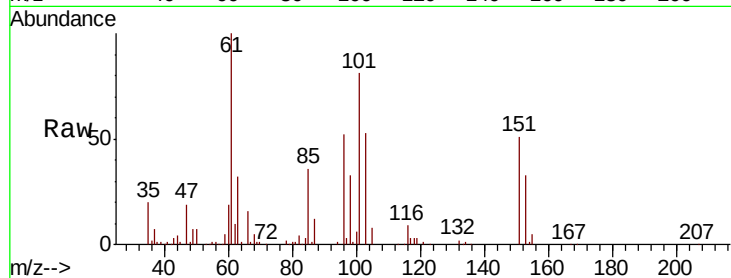
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	503991
Ion Ratio	Lower	Upper	
101	100		
85	44.8	33.6	50.4
151	62.5	52.0	78.0

Manual Integrations
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#10

Methyl Iodide

Concen: 120.10 ug/l

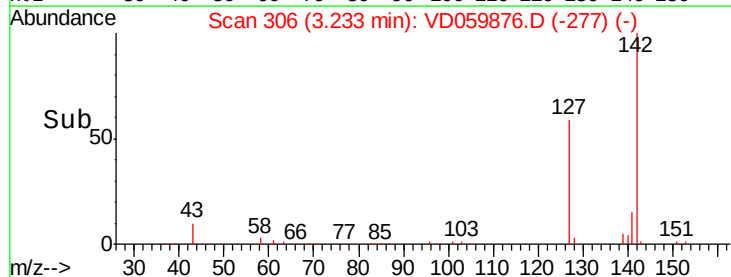
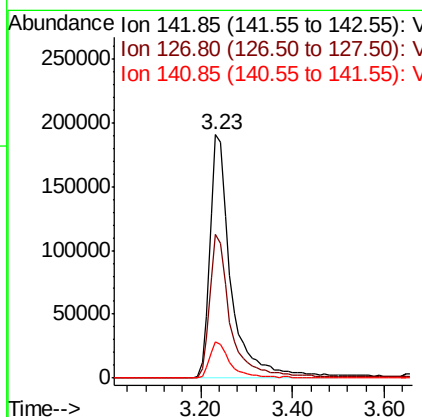
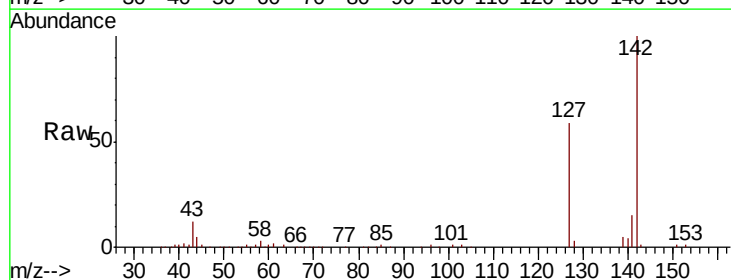
RT: 3.23 min Scan# 306

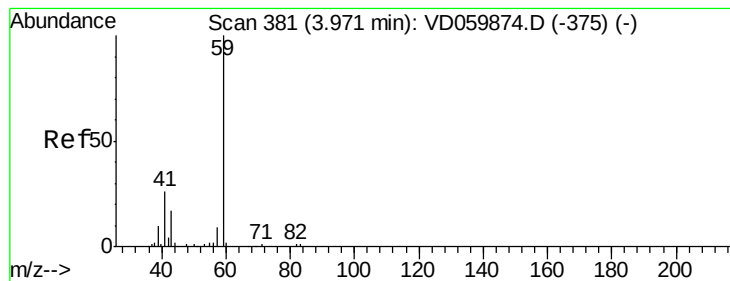
Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Tgt Ion:	142	Resp:	605757
Ion Ratio	Lower	Upper	
142	100		
127	58.9	45.8	68.6
141	15.0	11.6	17.4





#11

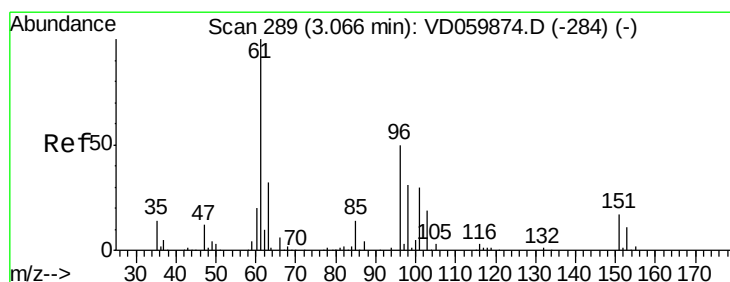
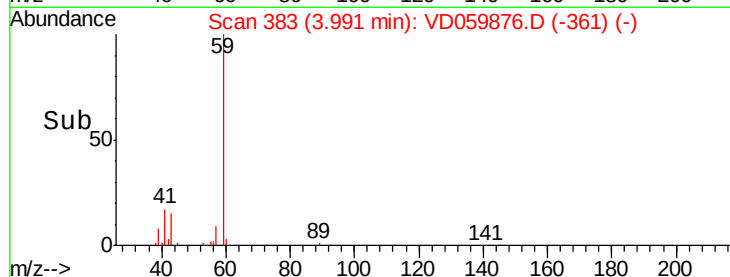
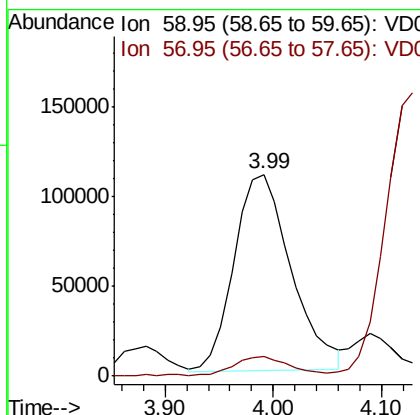
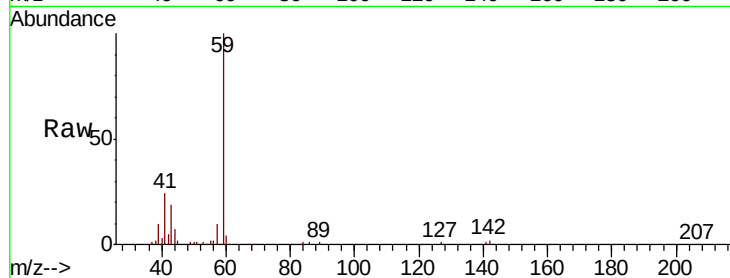
Tert butyl alcohol
 Concen: 500.66 ug/l
 RT: 3.99 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	400706
Ion Ratio	100	Lower	Upper
57	9.9	7.4	11.0

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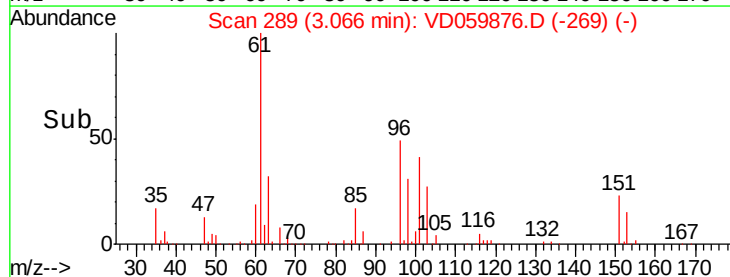
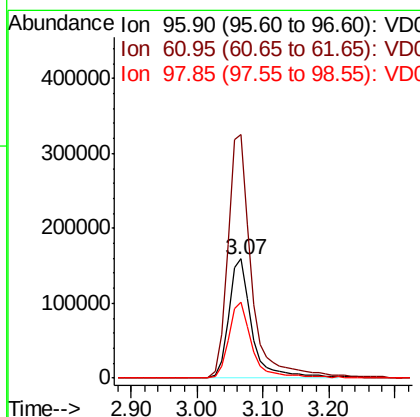
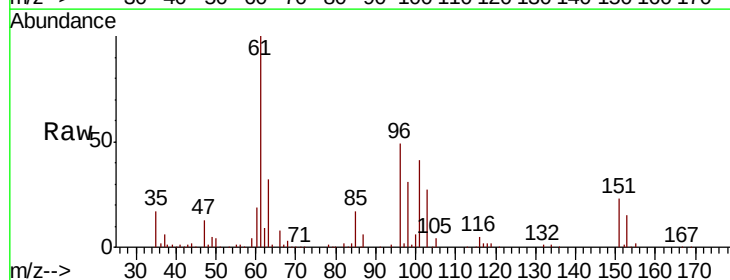
apatel
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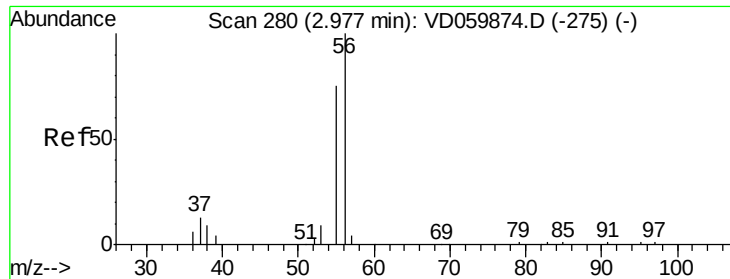


#12

1,1-Dichloroethene
 Concen: 96.63 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	96	Resp	392582
Ion Ratio	100	Lower	Upper
61	204.9	158.8	238.2
98	63.7	48.7	73.1





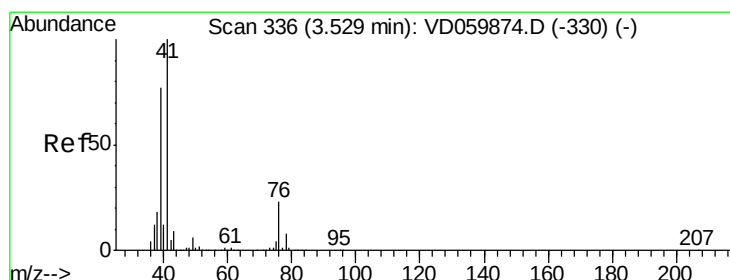
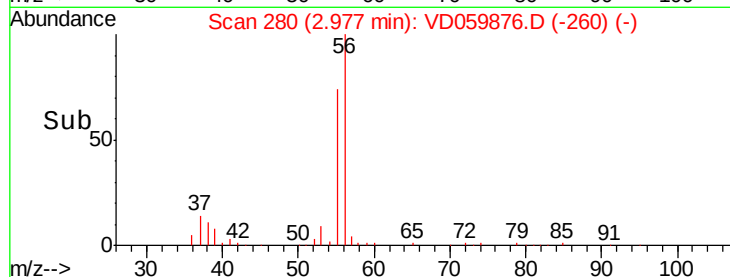
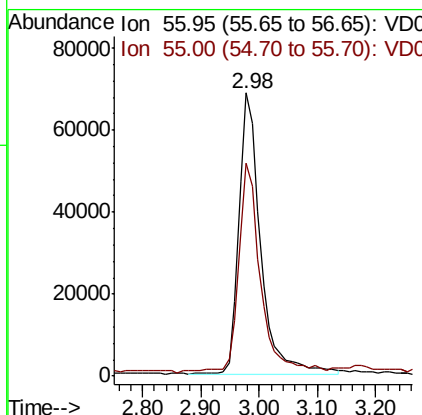
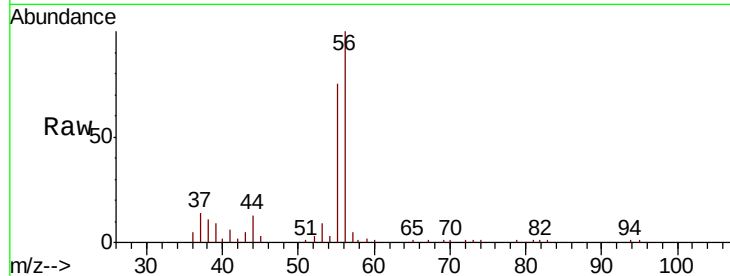
#13
Acrolein
Concen: 559.06 ug/l
RT: 2.98 min Scan# 280
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	177477
Ion Ratio	100	Lower	Upper
56	100	61.9	92.9
55	75.2		

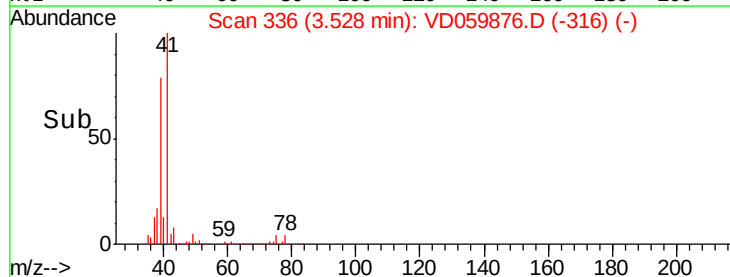
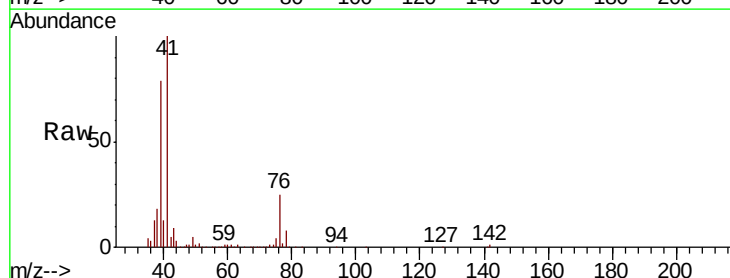
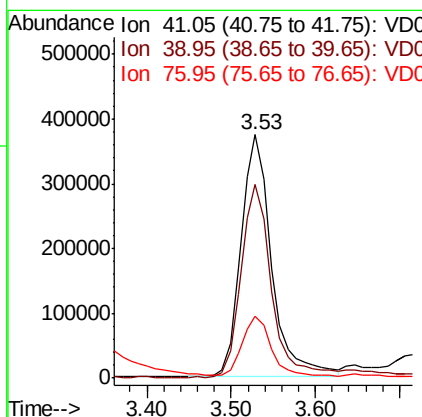
Manual Integrations
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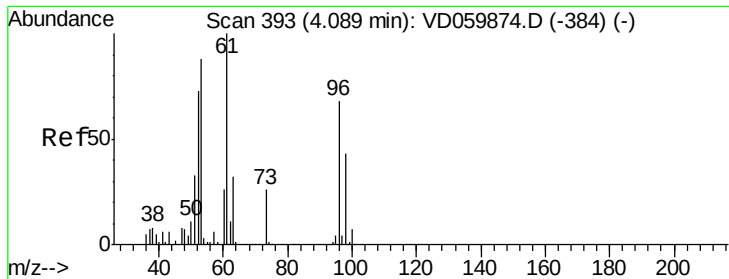
apatel
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#14
Allyl chloride
Concen: 99.73 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	41	Resp	954155
Ion Ratio	100	Lower	Upper
41	100	61.8	92.6
39	79.4		
76	25.3	19.4	29.2





#15

Acrylonitrile

Concen: 478.80 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1398453

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

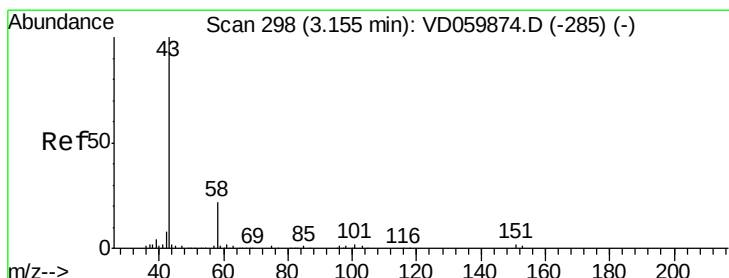
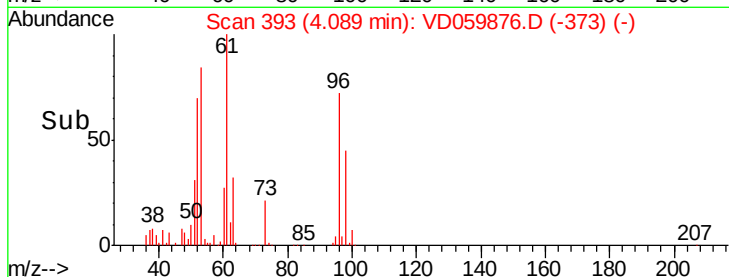
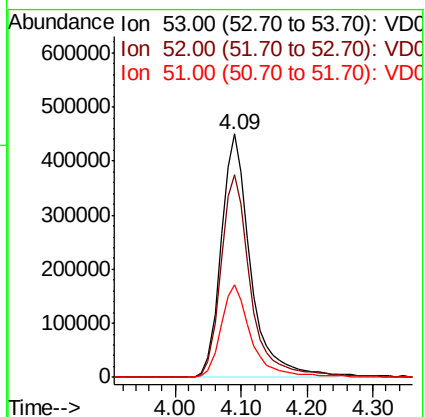
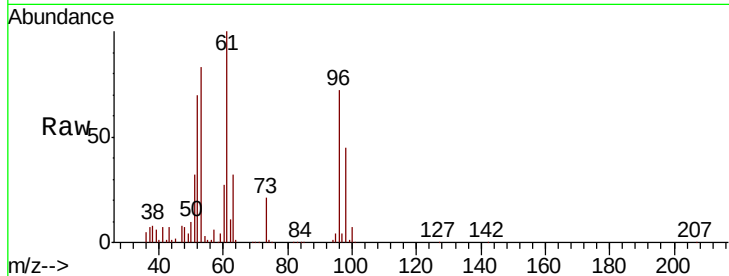
51 37.8 30.3 45.5

Manual Integrations

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#16

Acetone

Concen: 547.74 ug/l

RT: 3.16 min Scan# 299

Delta R.T. 0.01 min

Lab File: VD059876.D

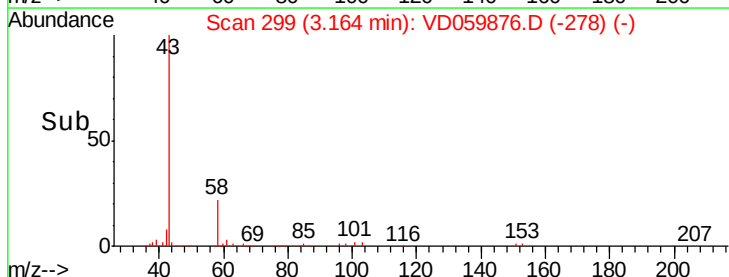
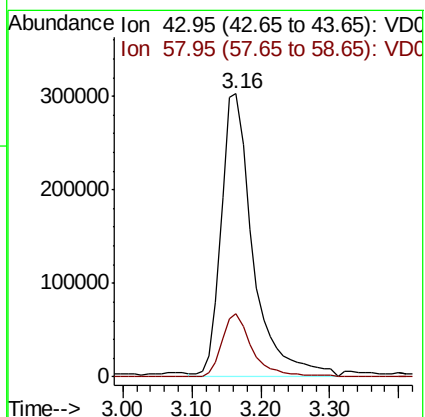
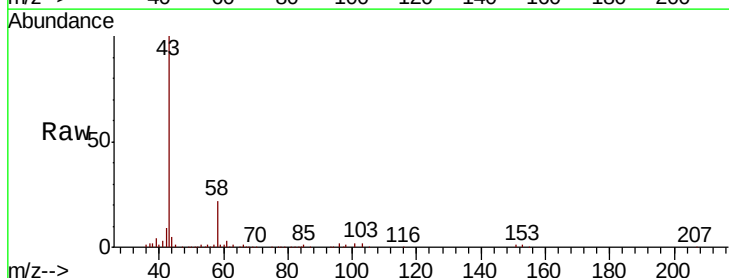
Acq: 22 Aug 2018 15:05

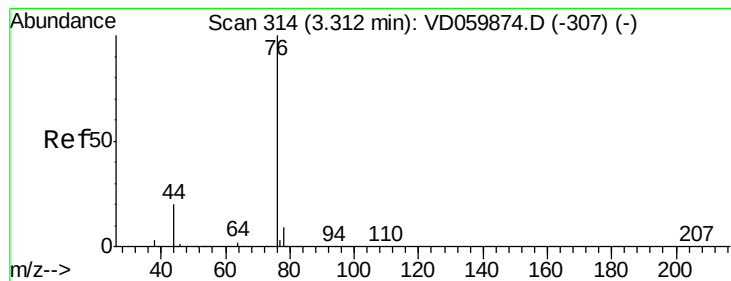
Tgt Ion: 43 Resp: 975300

Ion Ratio Lower Upper

43 100

58 22.3 17.6 26.4





#17

Carbon Disulfide

Concen: 103.99 ug/l

RT: 3.30 min Scan# 313

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampled :

VSTDICC100

Tot Ion: 76 Resp: 1313965

Ion Ratio Lower Upper

76 100

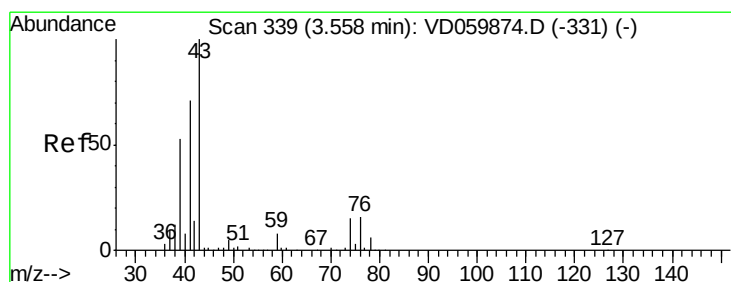
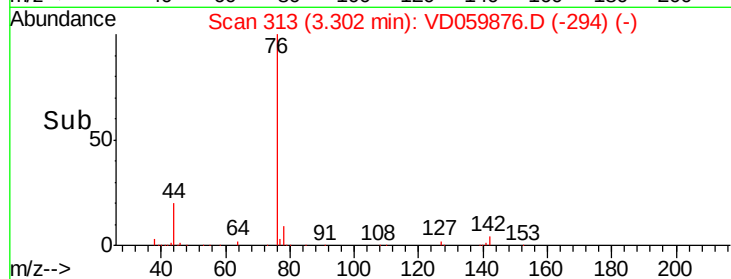
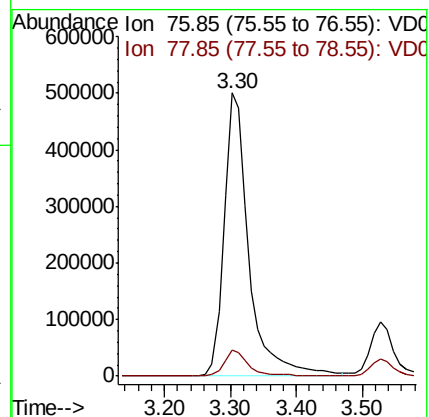
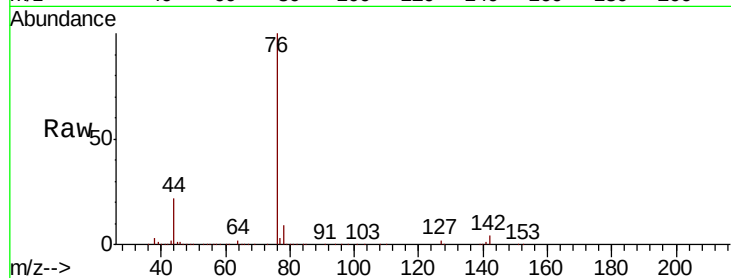
78 9.2 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 94.28 ug/l

RT: 3.56 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD059876.D

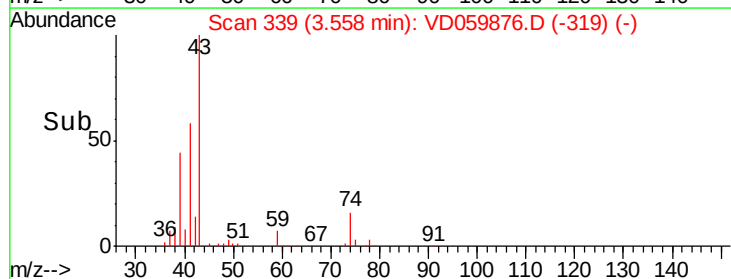
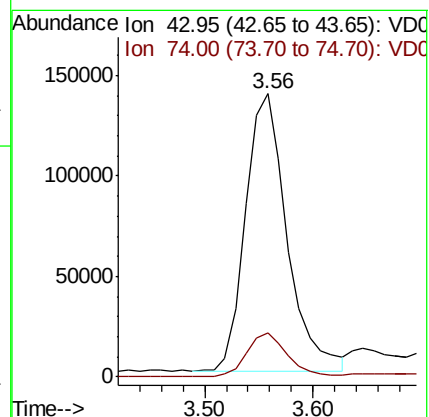
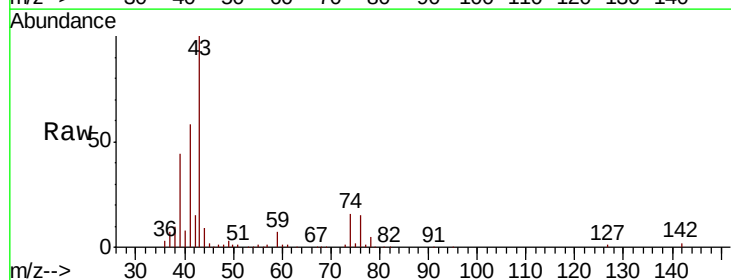
Acq: 22 Aug 2018 15:05

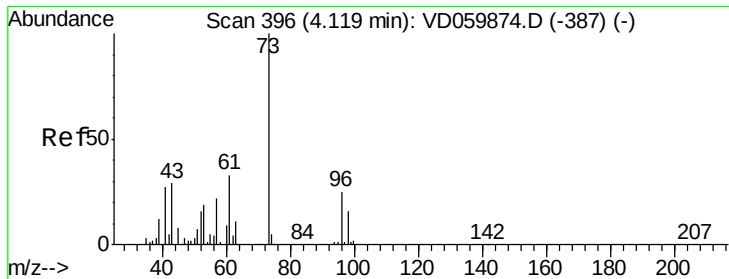
Tgt Ion: 43 Resp: 370182

Ion Ratio Lower Upper

43 100

74 15.5 11.2 16.8





#19

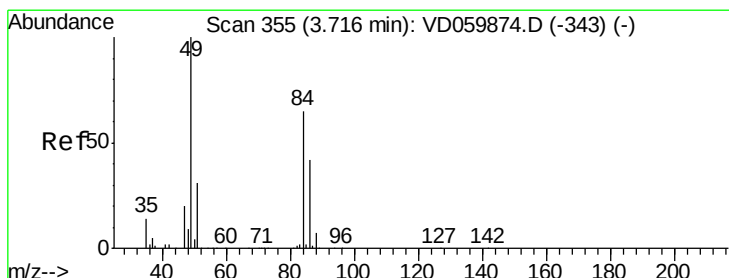
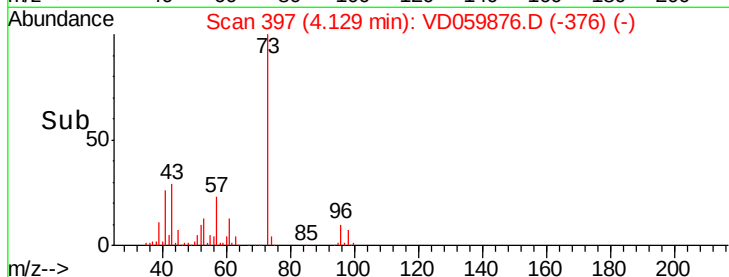
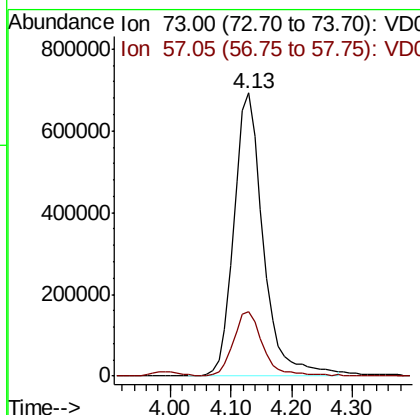
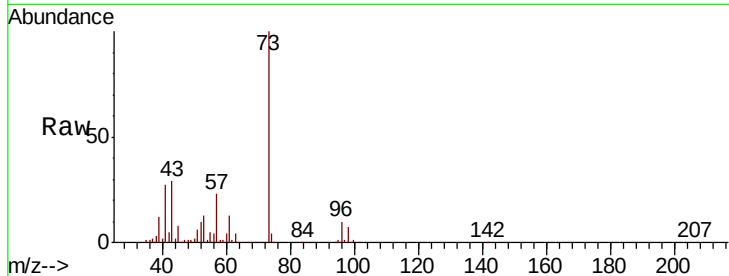
Methyl tert-butyl Ether
 Concen: 95.74 ug/l
 RT: 4.13 min Scan# 397
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 2327973
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.9 26.9

Manual Integrations
 APPROVED

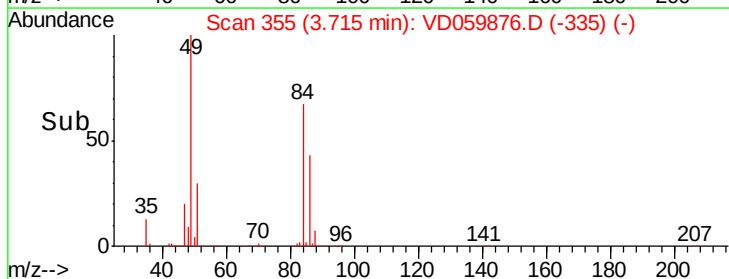
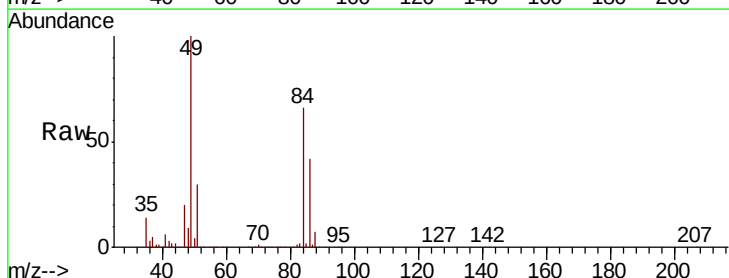
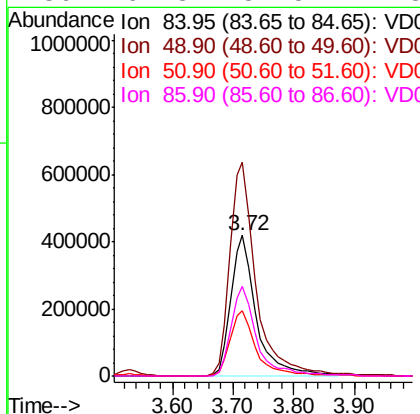
apatel
 8/23/2018 10:53:02 AM

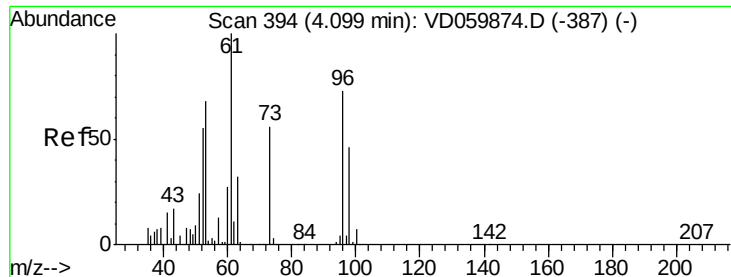


#20

Methylene Chloride
 Concen: 83.79 ug/l
 RT: 3.72 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 84 Resp: 1224113
 Ion Ratio Lower Upper
 84 100
 49 152.3 122.6 183.8
 51 46.1 38.4 57.6
 86 64.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 97.92 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1126742

Ion Ratio Lower Upper

96 100

61 139.5 110.2 165.4

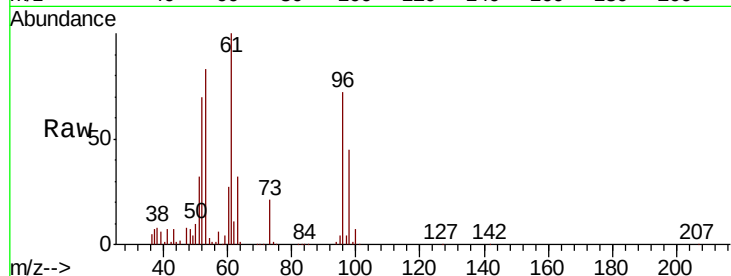
98 62.4 50.9 76.3

Manual Integrations

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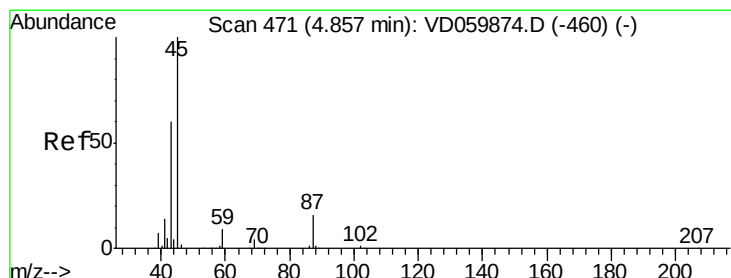
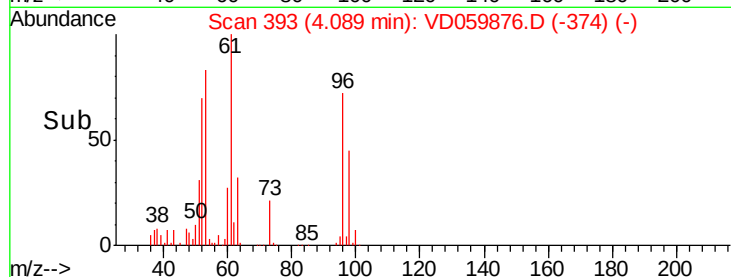
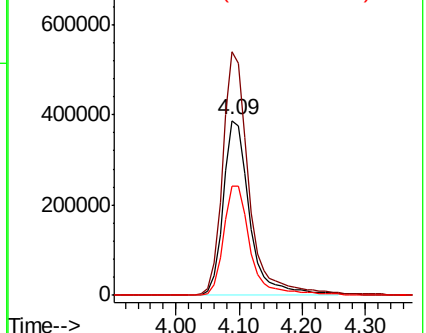
8/23/2018 10:53:02 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 98.50 ug/l

RT: 4.86 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Tgt Ion: 45 Resp: 4795606

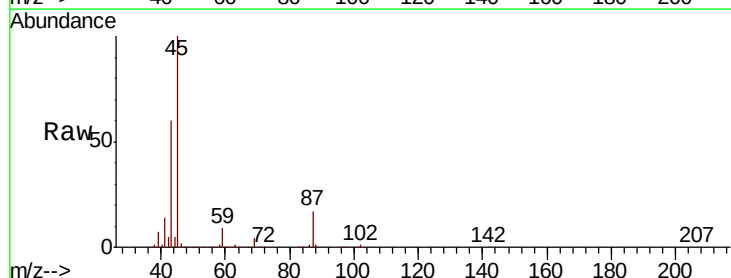
Ion Ratio Lower Upper

45 100

43 60.1 48.6 72.8

87 16.7 13.3 19.9

59 8.9 7.1 10.7

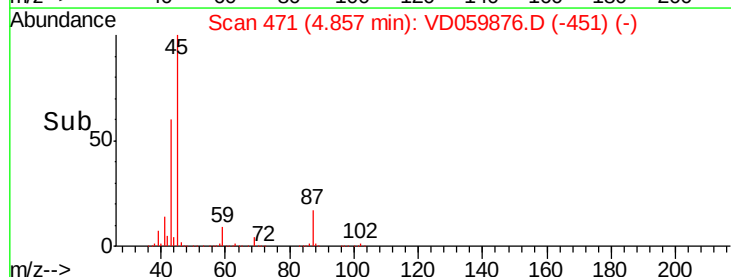
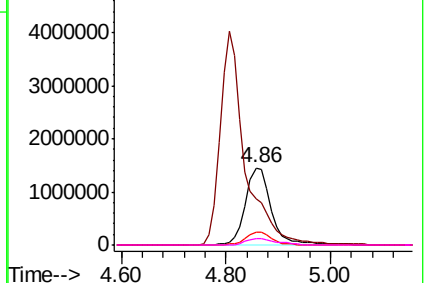


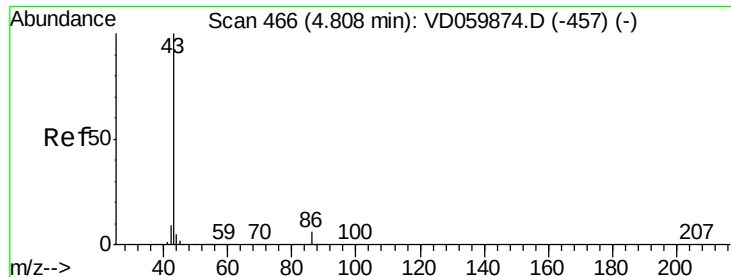
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 483.65 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp:13121894

Ion Ratio Lower Upper

43 100

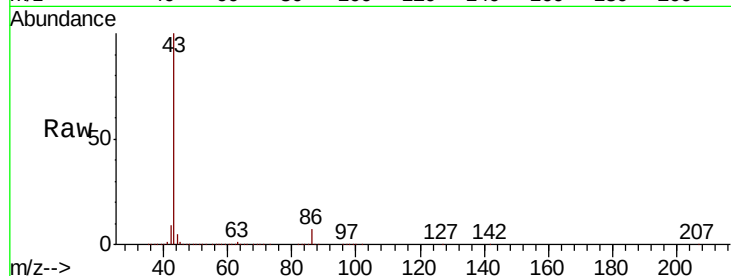
86 6.6 5.0 7.6

Manual Integrations

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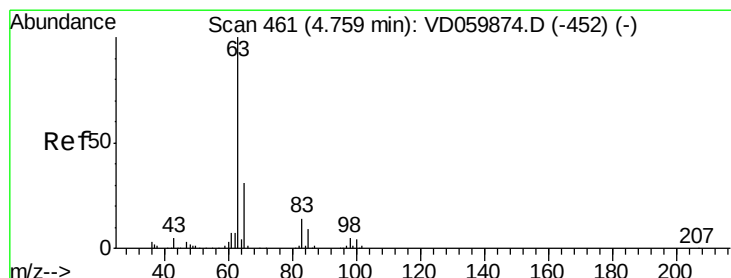
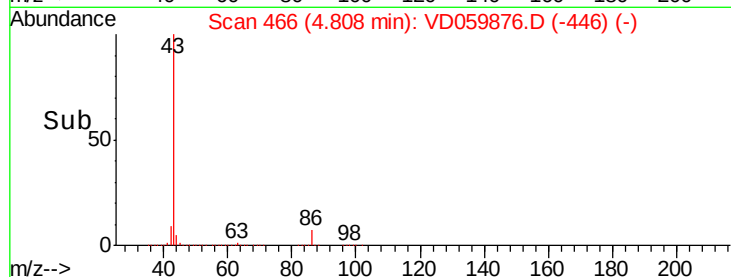
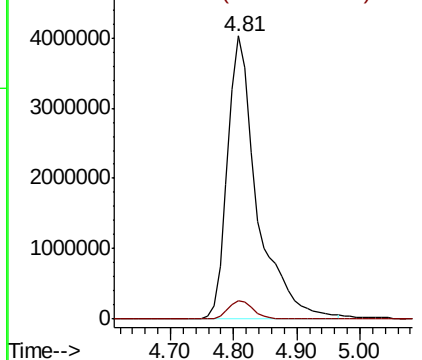
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 98.02 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

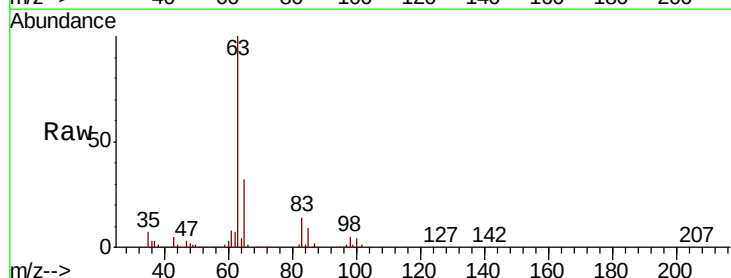
Tgt Ion: 63 Resp: 2057837

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

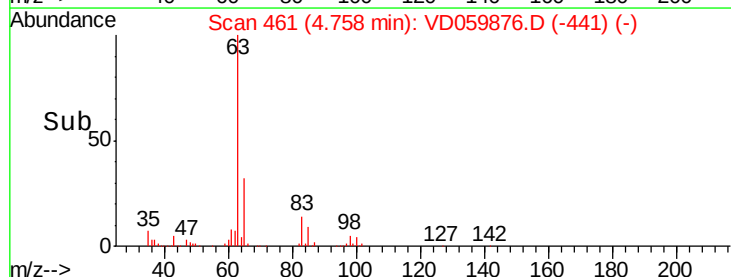
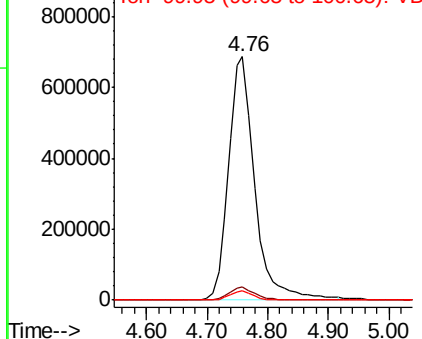
100 3.7 1.8 5.3

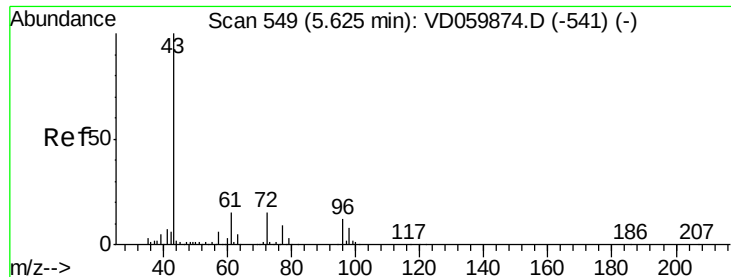


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





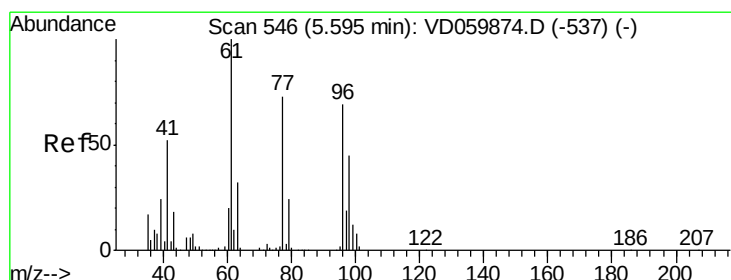
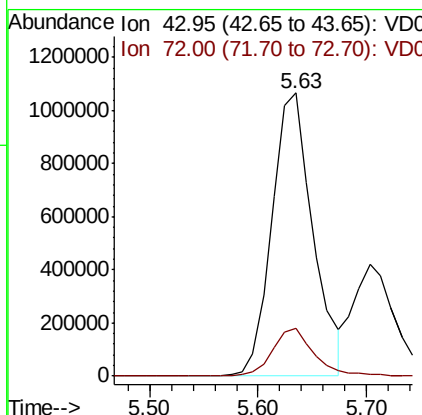
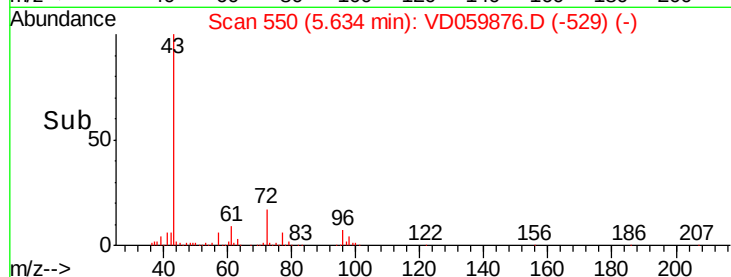
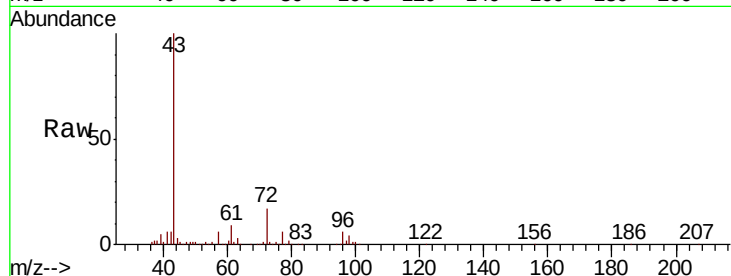
#25
2-Butanone
Concen: 527.37 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2804423
Ion Ratio Lower Upper
43 100
72 16.8 12.3 18.5

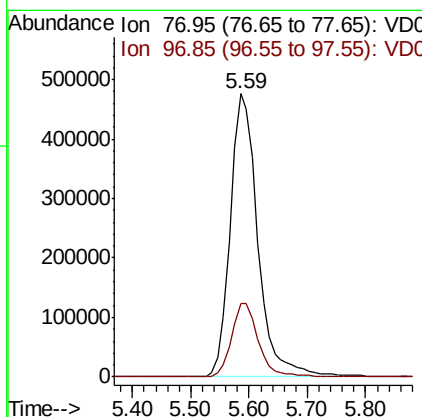
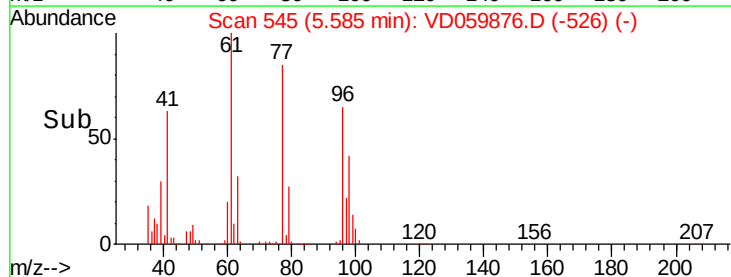
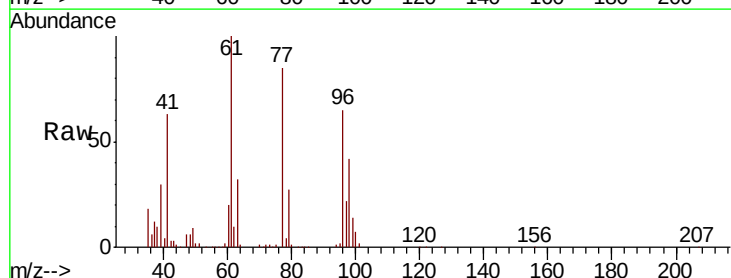
Manual Integrations
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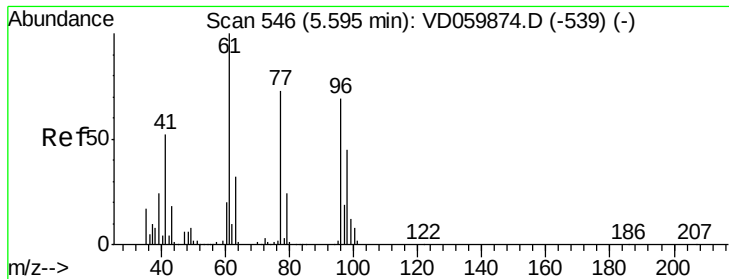
apatel
8/23/2018 10:53:02 AM



#26
2,2-Dichloropropane
Concen: 91.05 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 77 Resp: 1561663
Ion Ratio Lower Upper
77 100
97 26.0 13.0 38.9





#27

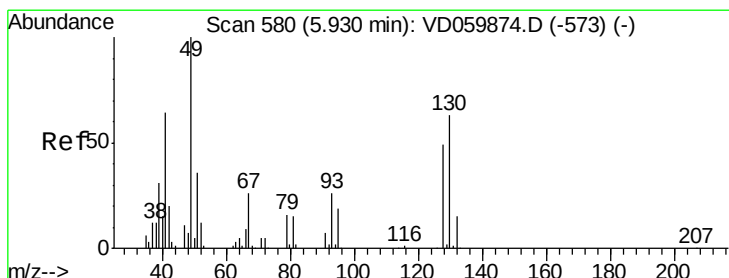
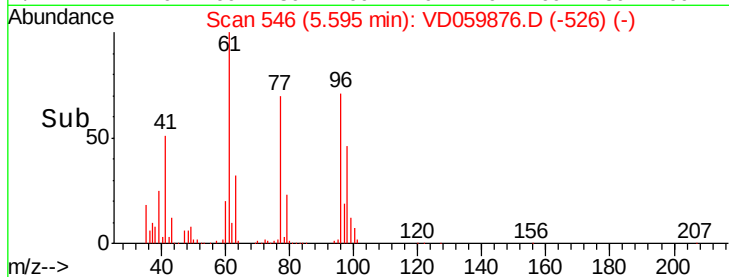
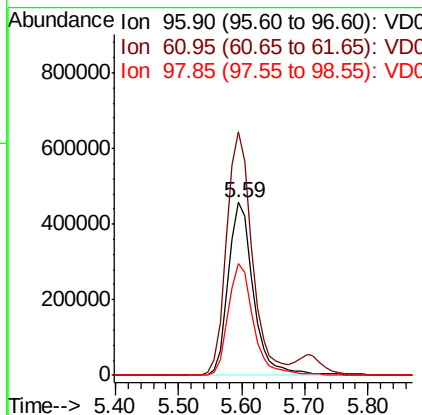
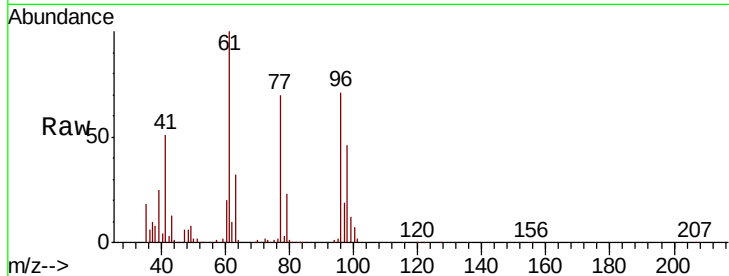
cis-1,2-Dichloroethene
 Concen: 98.77 ug/l
 RT: 5.59 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	290.2
98	64.6	0.0	130.4

Manual Integrations
 APPROVED

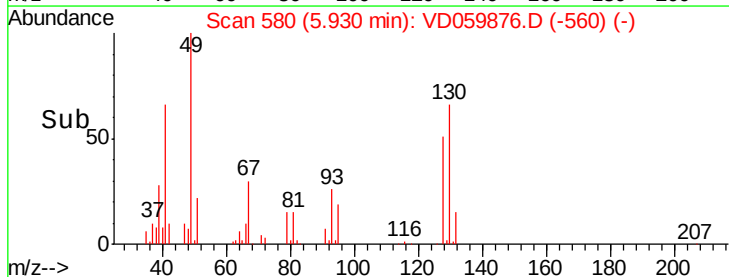
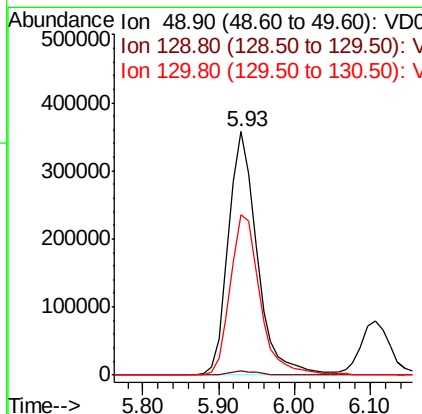
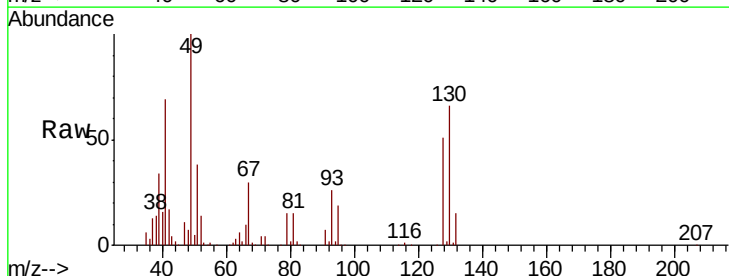
apatel
 8/23/2018 10:53:02 AM

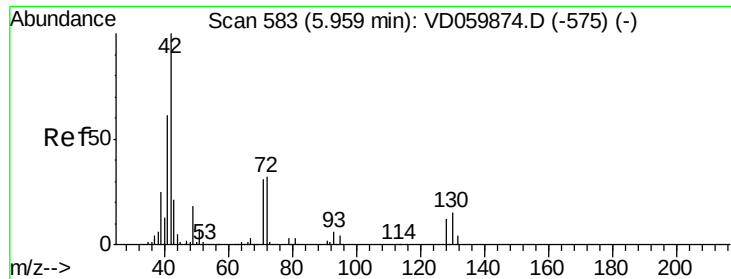


#28

Bromochloromethane
 Concen: 93.78 ug/l
 RT: 5.93 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	65.8	50.6	75.8





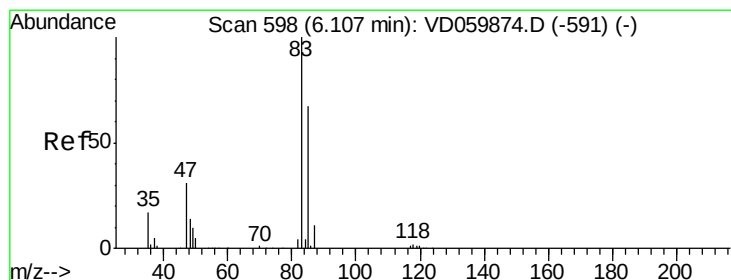
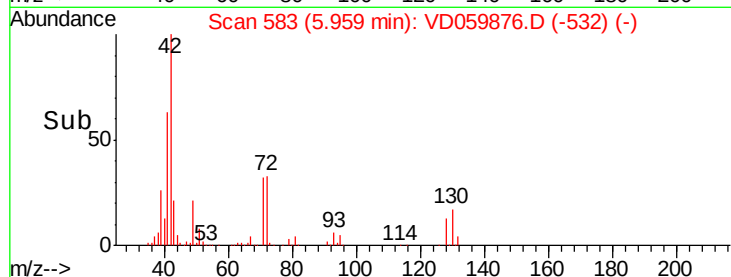
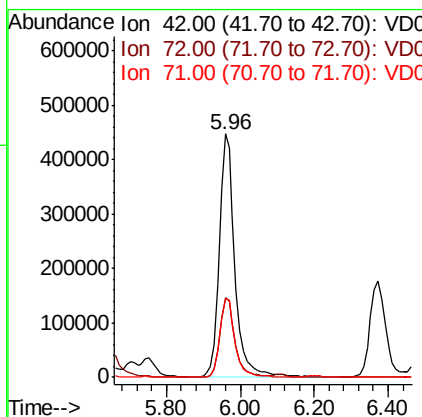
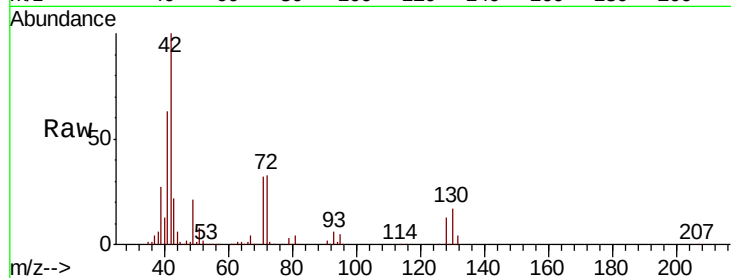
#29
Tetrahydrofuran
Concen: 487.96 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1294780
Ion Ratio Lower Upper
42 100
72 32.3 25.7 38.5
71 31.8 25.3 37.9

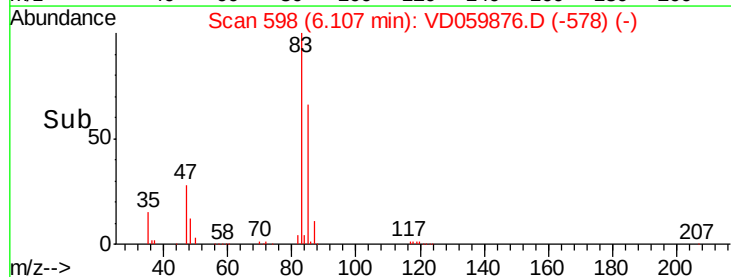
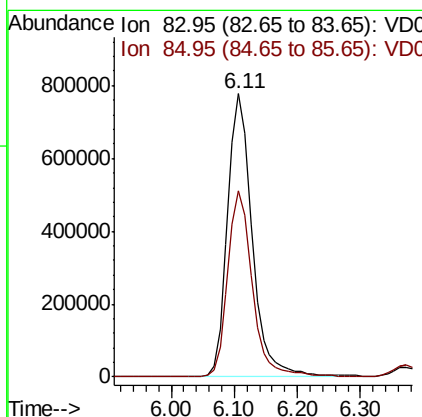
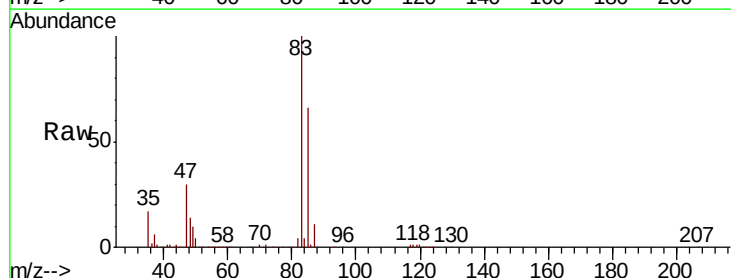
Manual Integrations
APPROVED

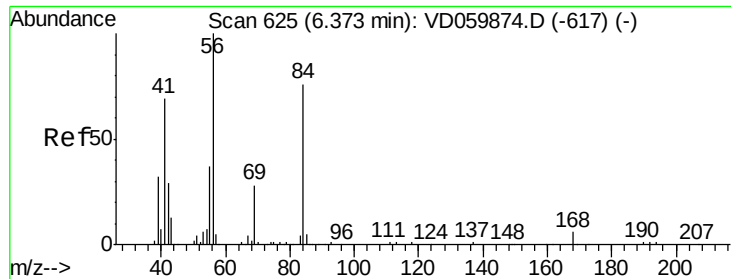
apatel
8/23/2018 10:53:02 AM



#30
Chloroform
Concen: 98.16 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 83 Resp: 2104023
Ion Ratio Lower Upper
83 100
85 65.7 53.5 80.3





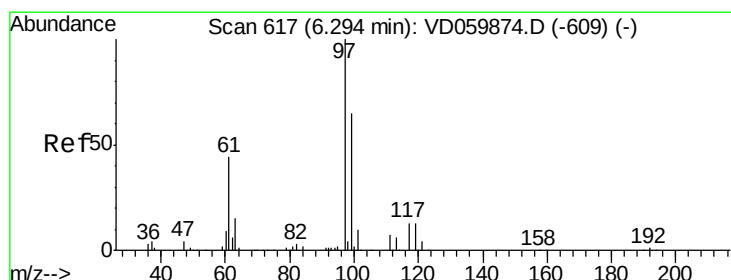
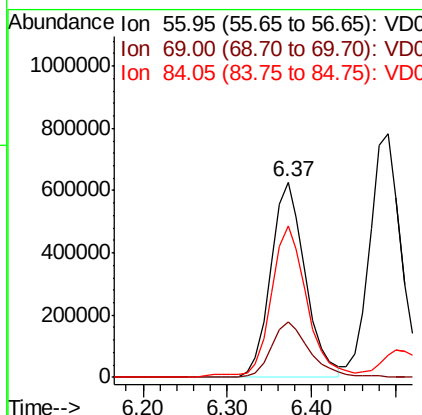
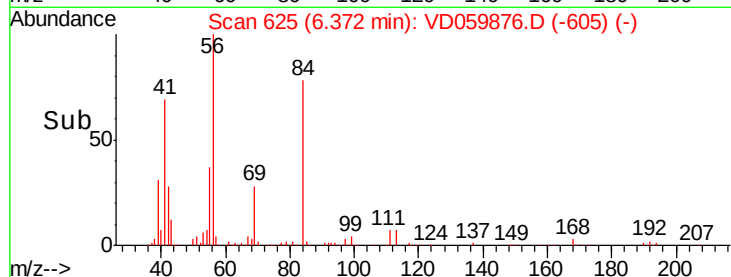
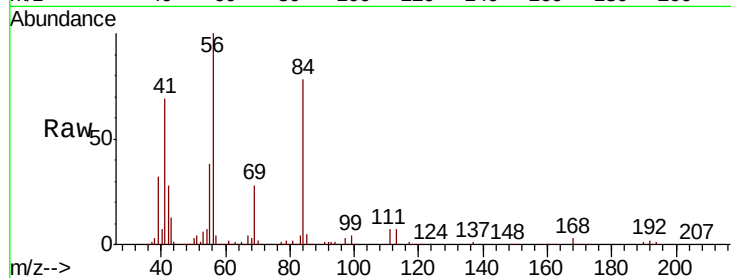
#31
Cyclohexane
Concen: 93.38 ug/l
RT: 6.37 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.4	33.6
84	77.6	62.1	93.1

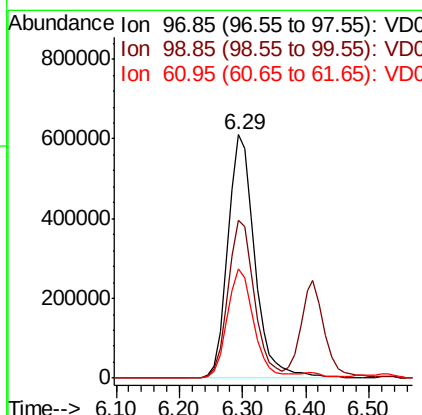
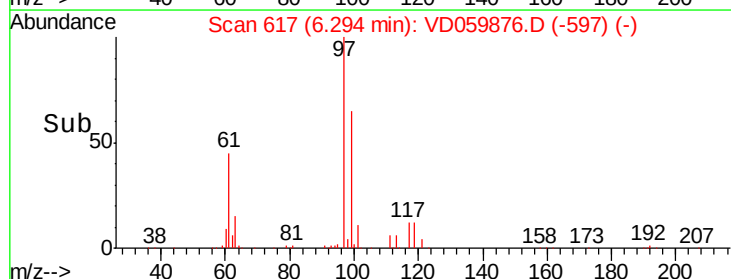
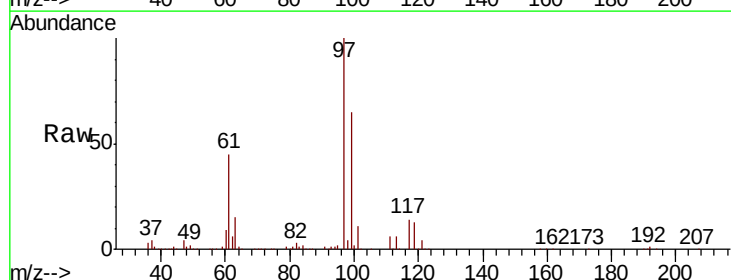
Manual Integrations
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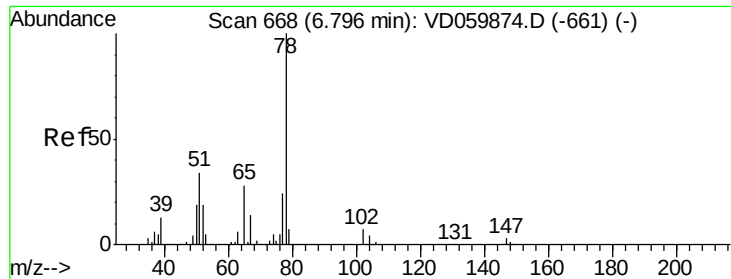
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#32
1,1,1-Trichloroethane
Concen: 98.86 ug/l
RT: 6.29 min Scan# 617
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	45.0	35.4	53.2





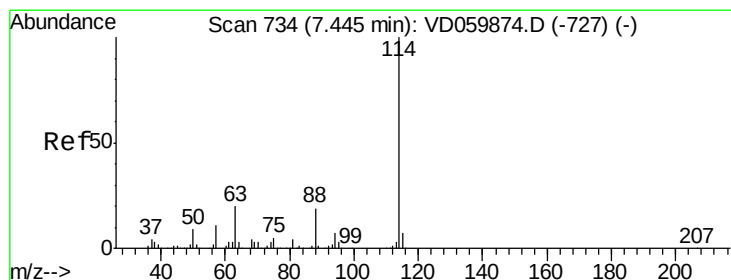
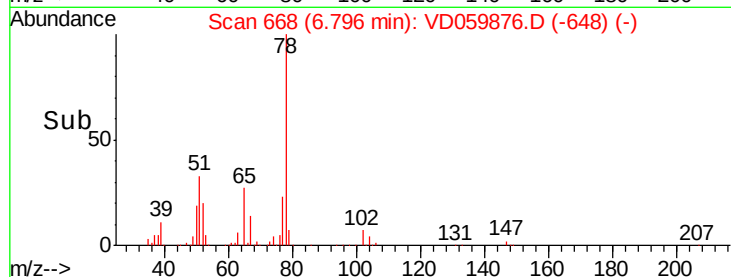
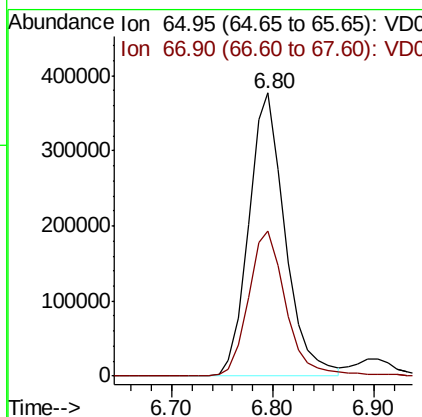
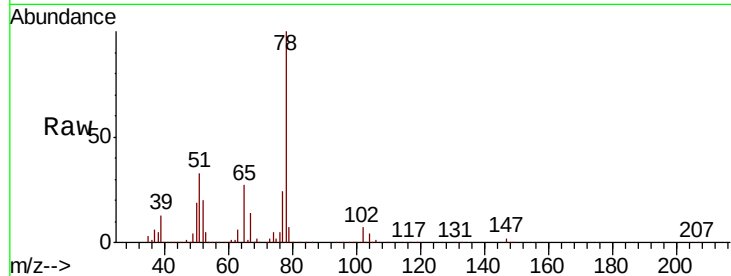
#33
 1,2-Dichloroethane-d4
 Concen: 98.86 ug/l
 RT: 6.80 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	944603		
67	51.1	0.0	103.8	

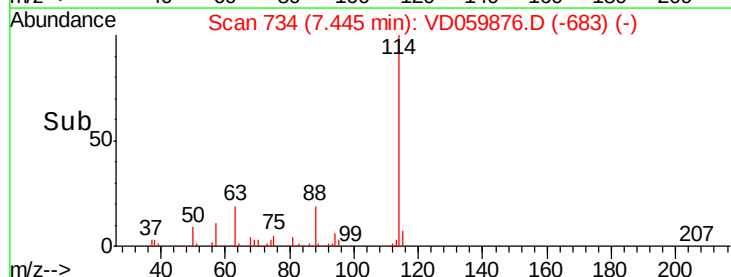
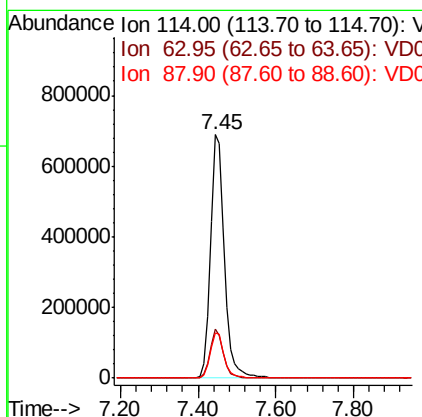
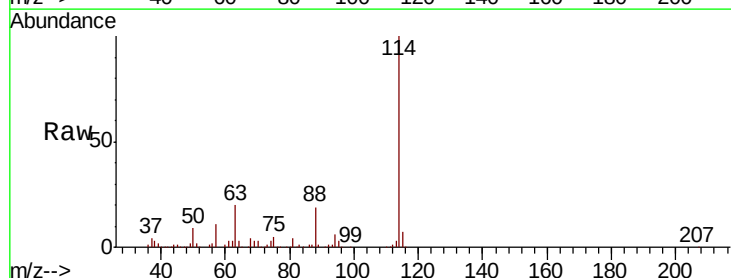
Manual Integrations
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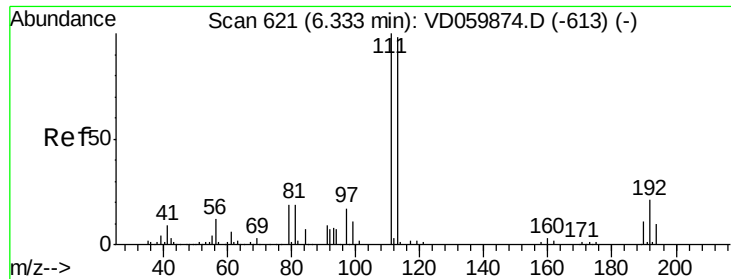
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1699160		
63	20.4	0.0	39.4	
88	18.7	0.0	37.6	





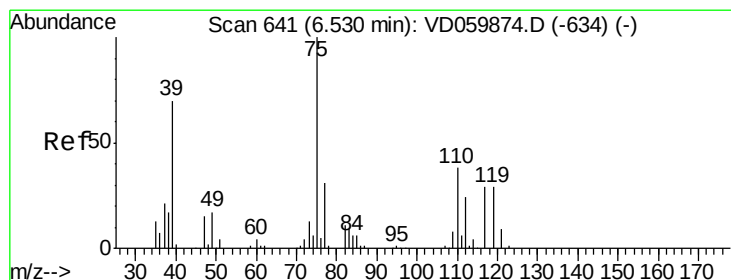
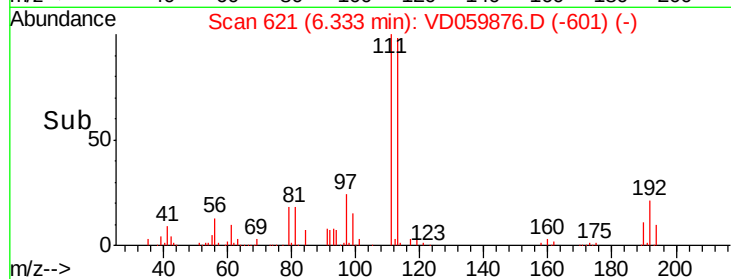
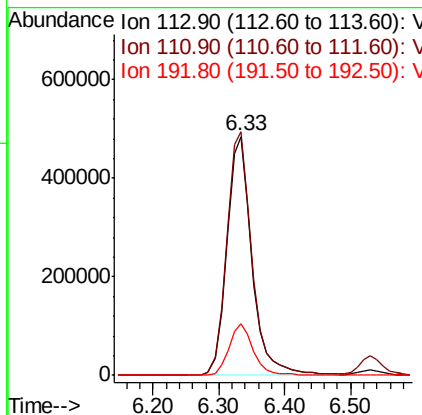
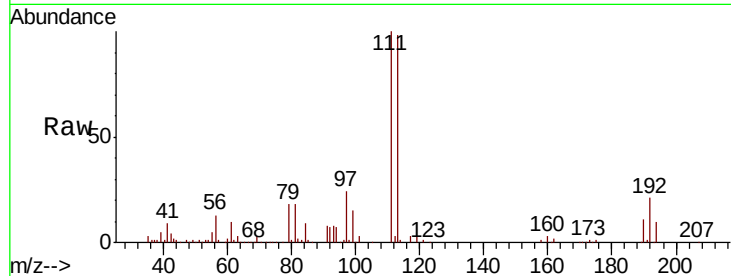
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	21.4	17.0	25.6

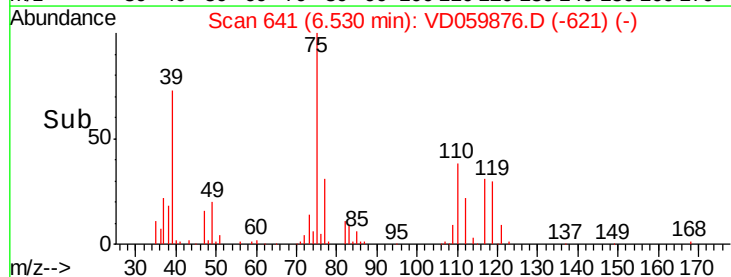
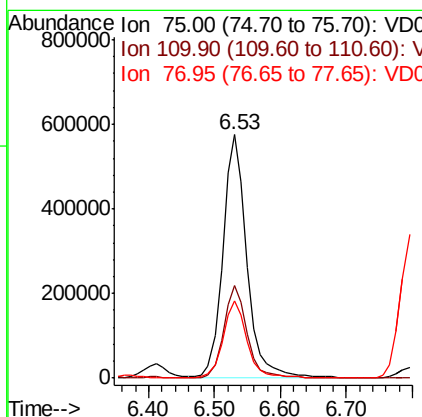
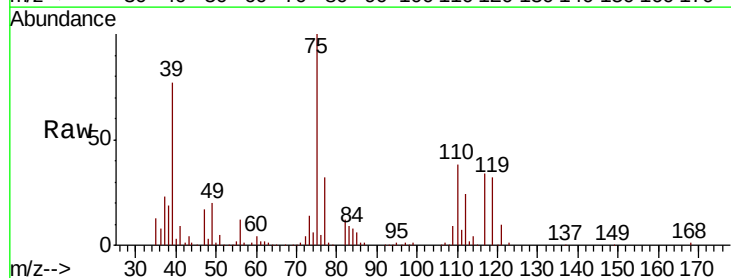
Manual Integrations
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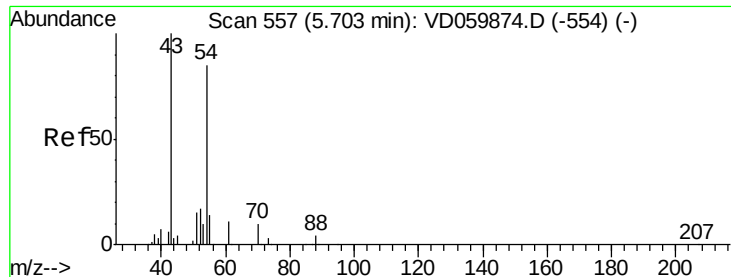
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#36
 1,1-Dichloropropene
 Concen: 95.55 ug/l
 RT: 6.53 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.6	56.0
77	31.5	25.1	37.7





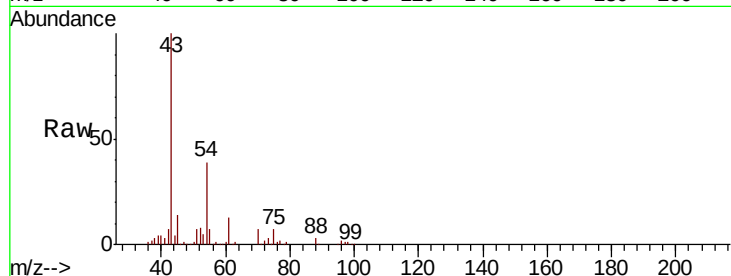
#37
Ethyl Acetate
Concen: 96.39 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

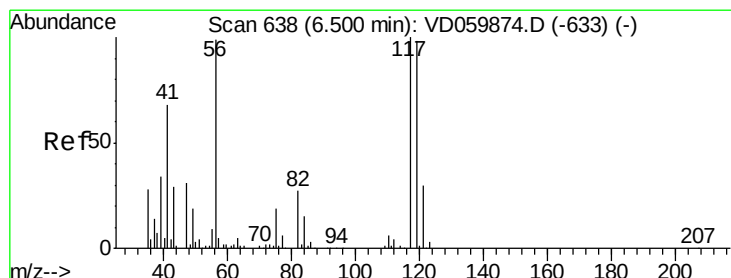
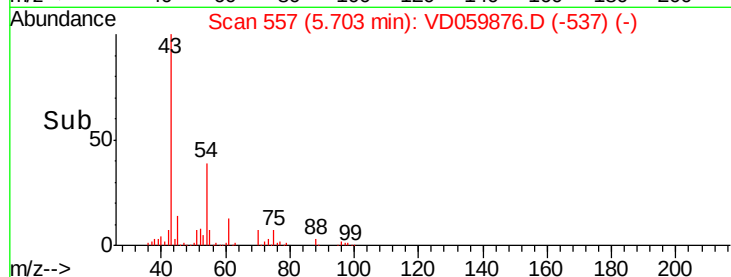
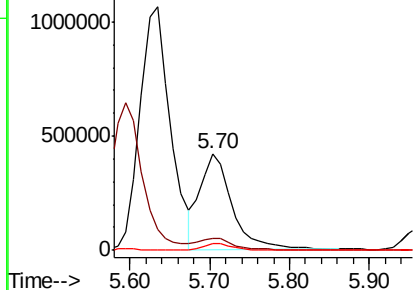
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.6
70	7.3	5.7	8.5

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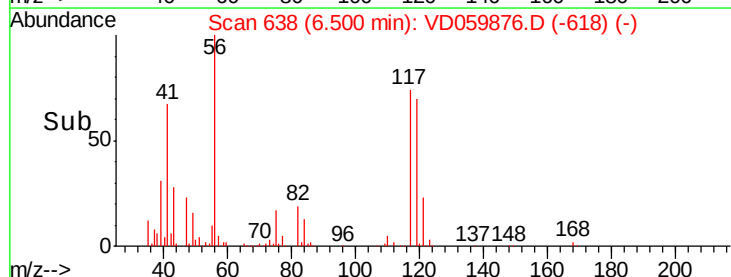
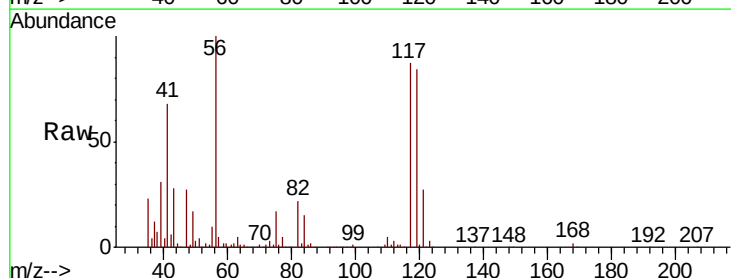
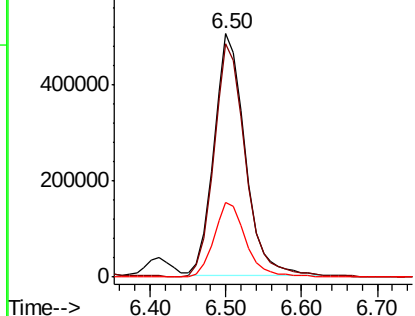
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

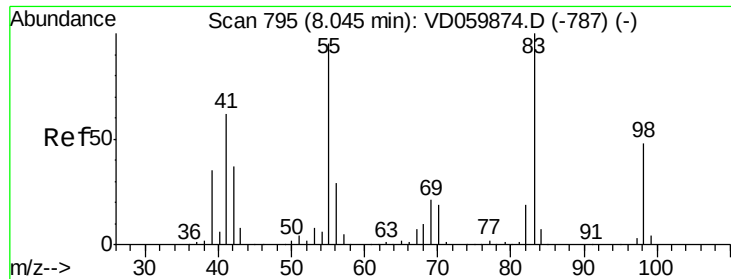


#38
Carbon Tetrachloride
Concen: 94.36 ug/l
RT: 6.50 min Scan# 638
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8
121	30.5	24.0	36.0

Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





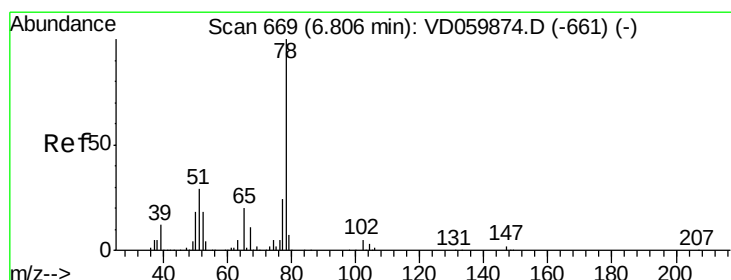
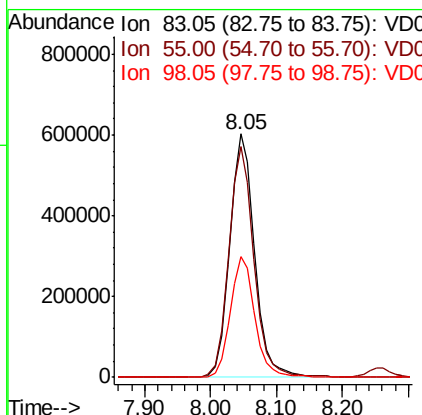
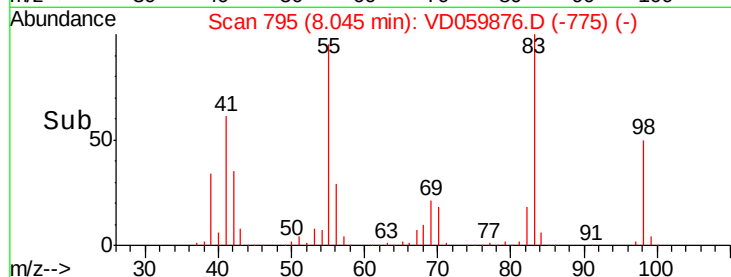
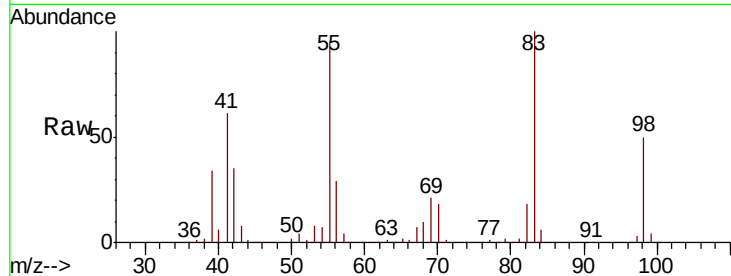
#39
Methylvlcyclohexane
Concen: 96.09 ug/l
RT: 8.05 min Scan# 795
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1598287
Ion Ratio Lower Upper
83 100
55 95.1 75.8 113.6
98 49.7 38.3 57.5

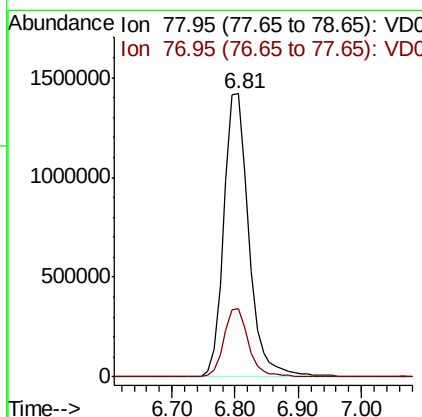
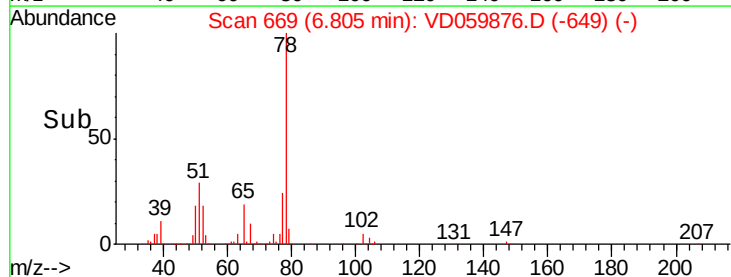
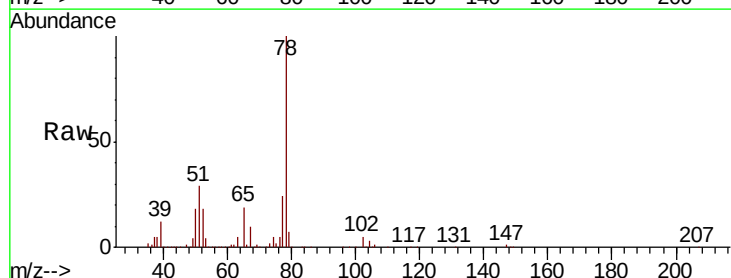
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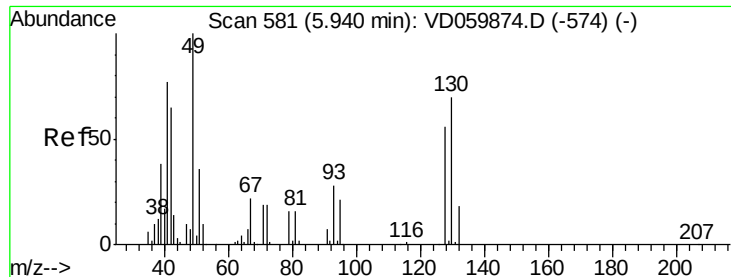
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#40
Benzene
Concen: 99.17 ug/l
RT: 6.81 min Scan# 669
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 78 Resp: 3916512
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#41

Methacrylonitrile

Concen: 52.50 ug/l m

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 569708

Ion Ratio Lower Upper

41 100

39 49.7 39.4 59.2

67 43.8 22.2 33.2#

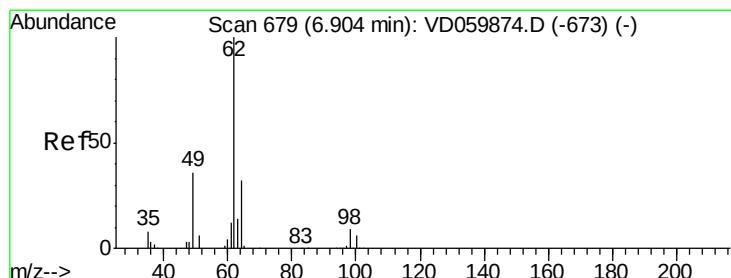
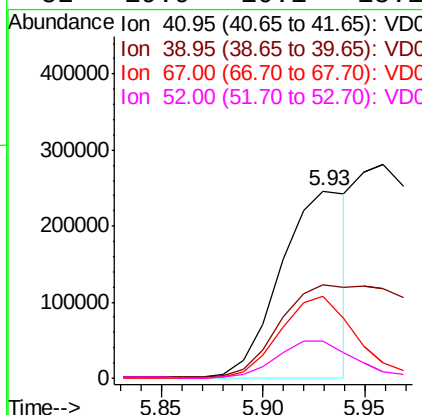
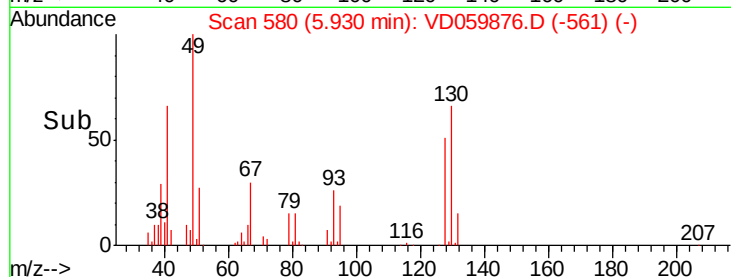
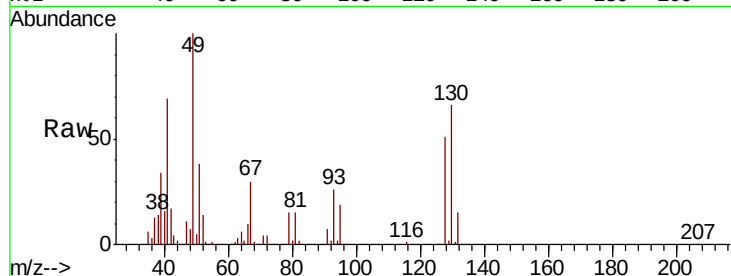
52 19.9 10.1 15.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 98.99 ug/l

RT: 6.90 min Scan# 679

Delta R.T. -0.00 min

Lab File: VD059876.D

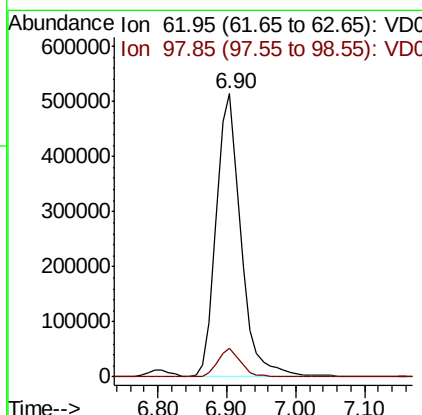
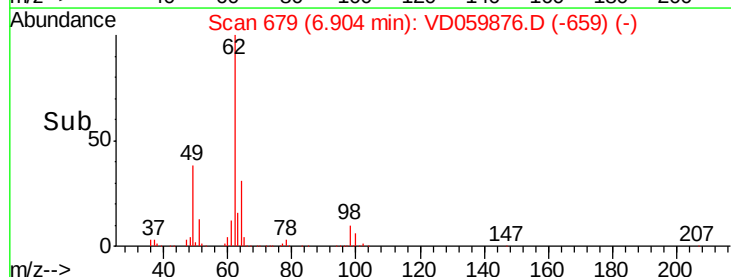
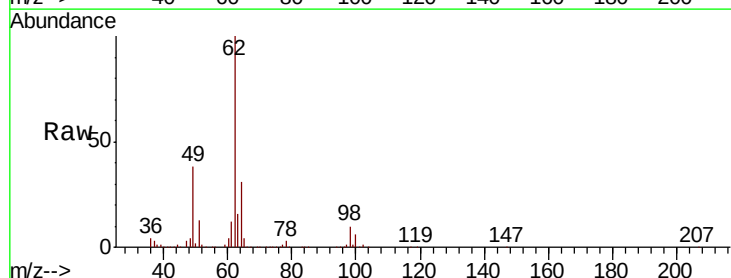
Acq: 22 Aug 2018 15:05

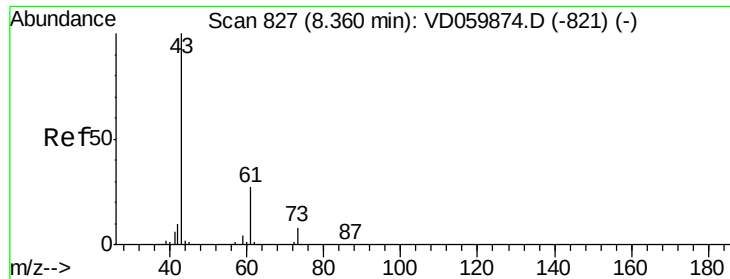
Tgt Ion: 62 Resp: 1275162

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.4





#43

Isopropyl Acetate

Concen: 101.14 ug/l

RT: 8.36 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1607004

Ion Ratio Lower Upper

43 100

61 26.5 21.4 32.2

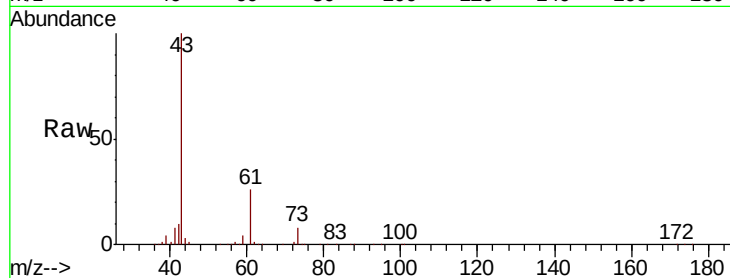
87 0.3 0.2 0.4

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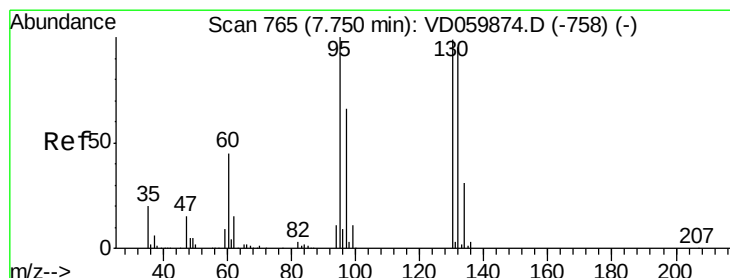
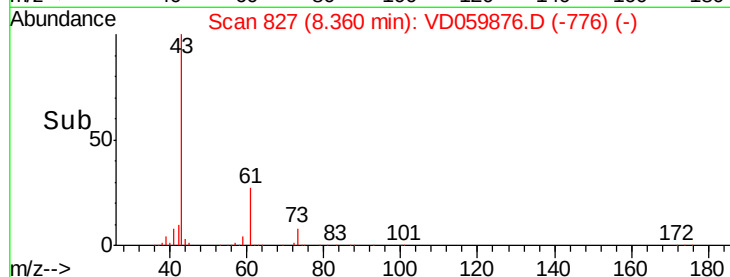
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

8.36

Time-->



#44

Trichloroethene

Concen: 102.24 ug/l

RT: 7.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VD059876.D

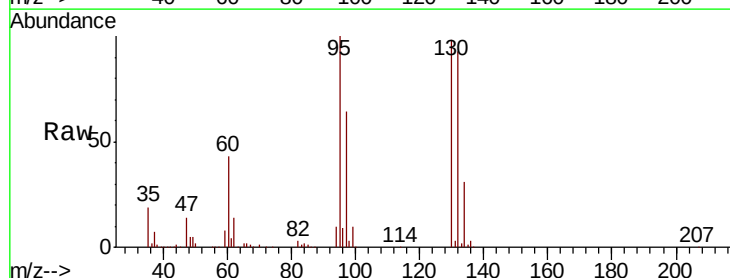
Acq: 22 Aug 2018 15:05

Tgt Ion:130 Resp: 1186045

Ion Ratio Lower Upper

130 100

95 101.7 0.0 202.0

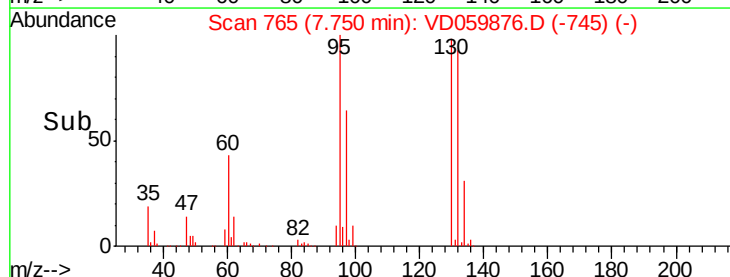


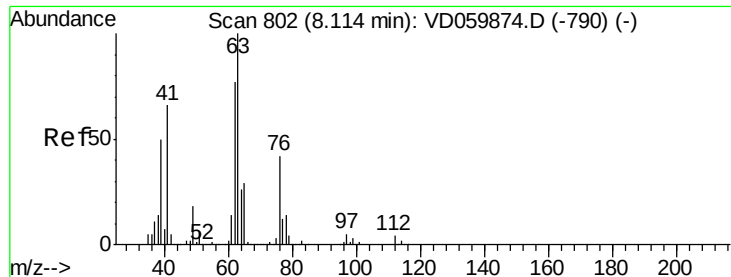
Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

7.75

Time-->





#45

1,2-Dichloropropane

Concen: 98.99 ug/l

RT: 8.11 min Scan# 802

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1106769

Ion Ratio Lower Upper

63 100

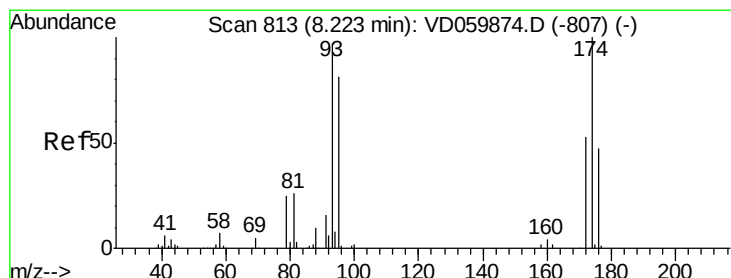
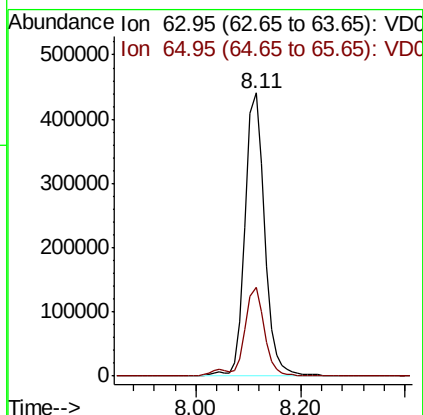
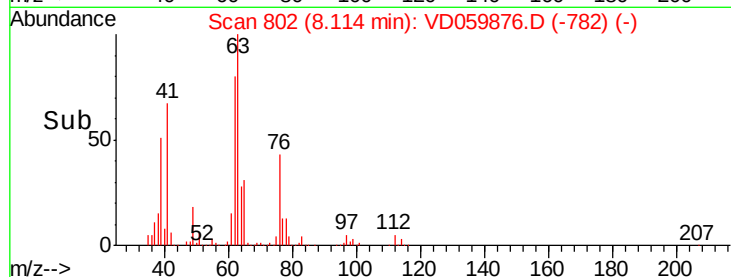
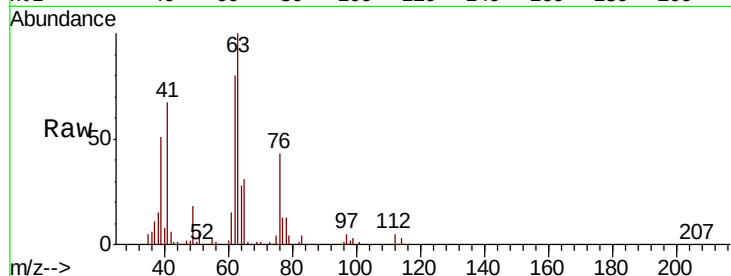
65 31.3 23.5 35.3

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#46

Dibromomethane

Concen: 102.91 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

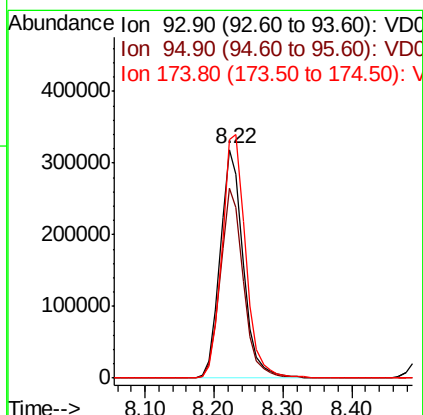
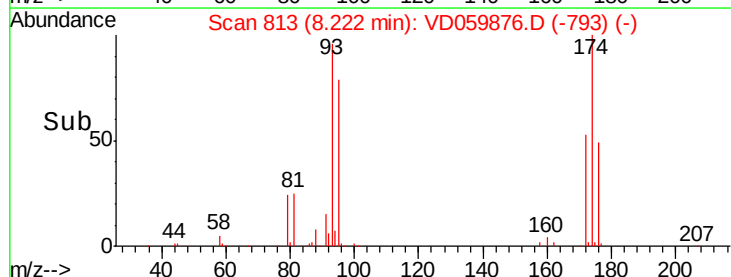
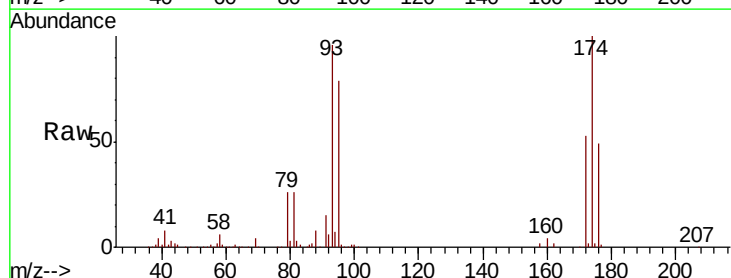
Tgt Ion: 93 Resp: 737426

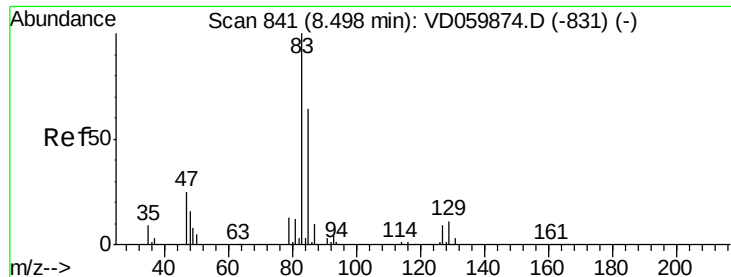
Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 104.5 82.4 123.6





#47

Bromodichloromethane

Concen: 99.87 ug/l

RT: 8.50 min Scan# 841

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1617626

Ion Ratio Lower Upper

83 100

85 65.4 51.3 76.9

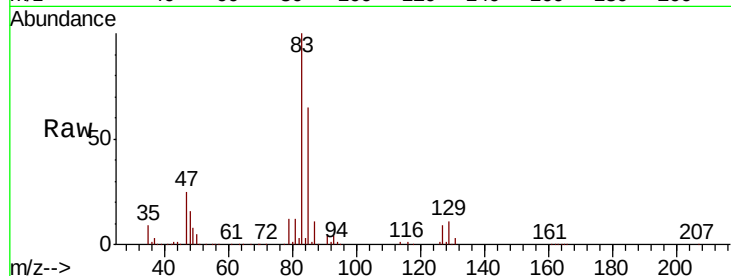
127 8.9 7.0 10.4

Manual Integrations

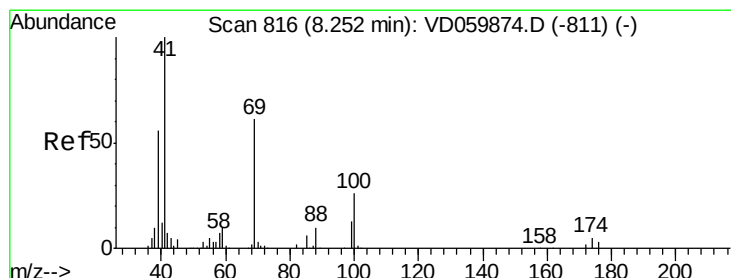
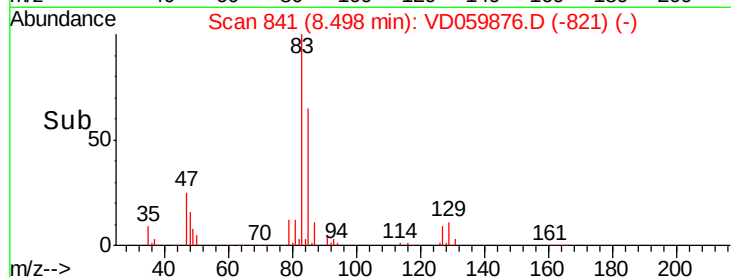
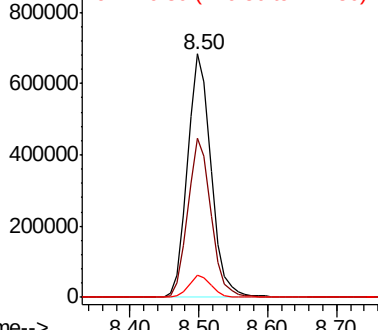
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 99.84 ug/l

RT: 8.25 min Scan# 816

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

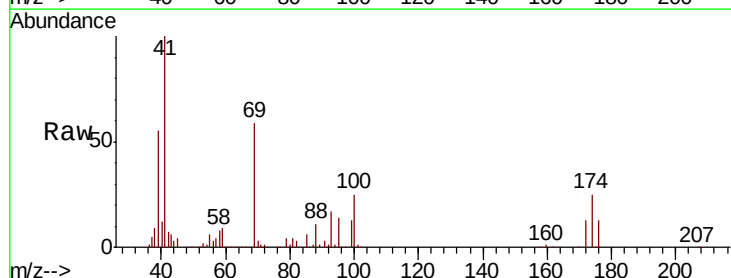
Tgt Ion: 41 Resp: 893040

Ion Ratio Lower Upper

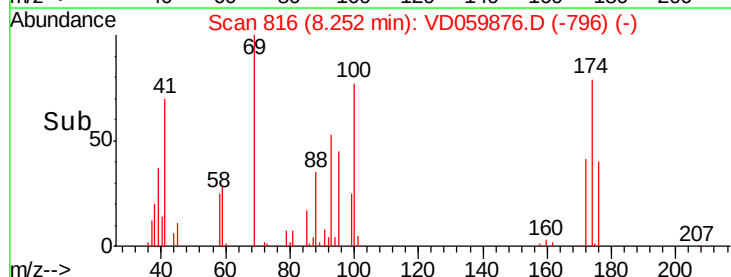
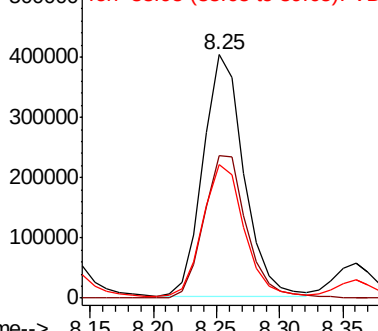
41 100

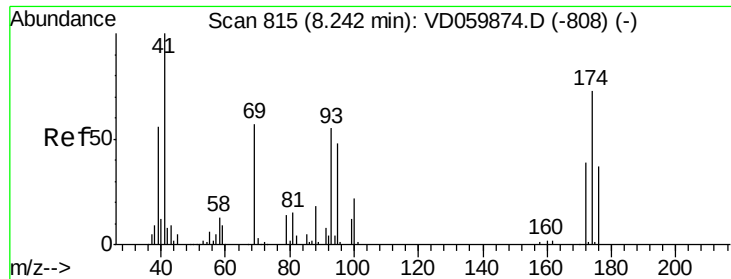
69 58.5 48.0 72.0

39 55.0 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





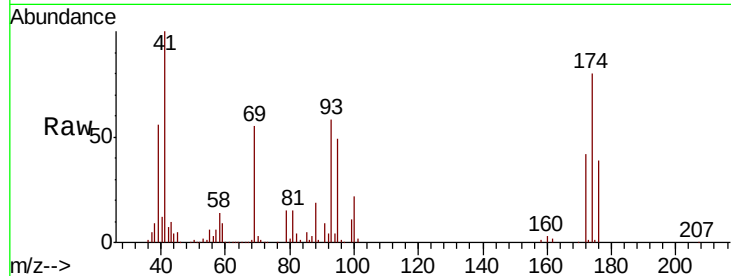
#49
1,4-Dioxane
Concen: 2070.21 ug/l
RT: 8.24 min Scan# 815
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

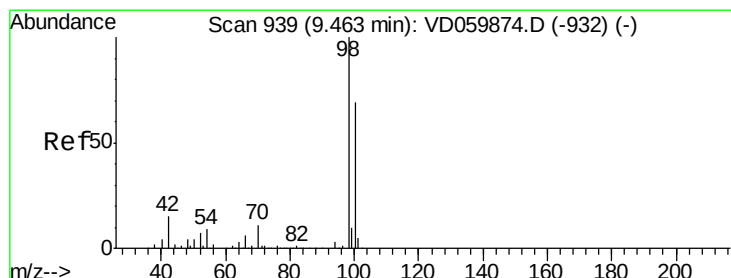
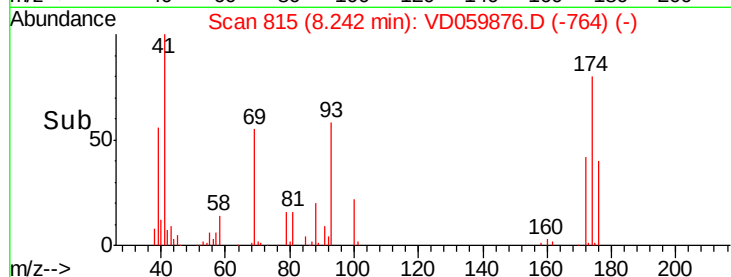
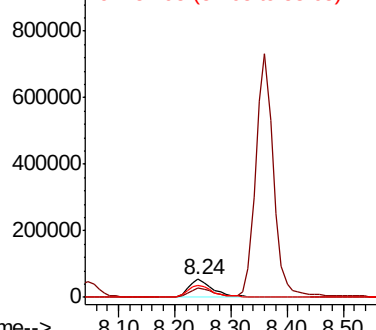
Tot Ion	Ratio	Lower	Upper
88	100		
43	50.4	45.0	67.6
58	70.5	55.8	83.8

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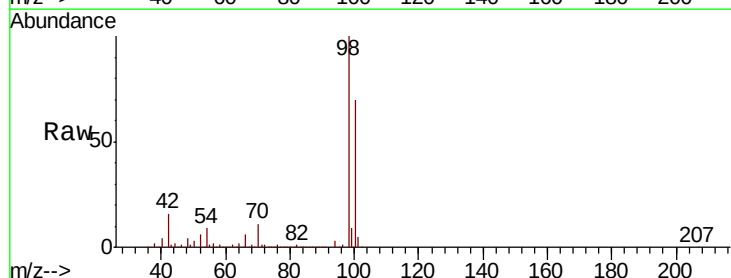


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

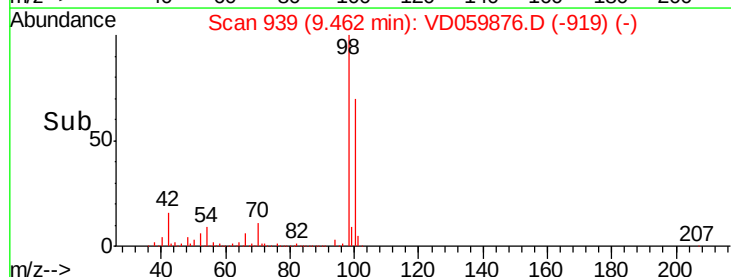
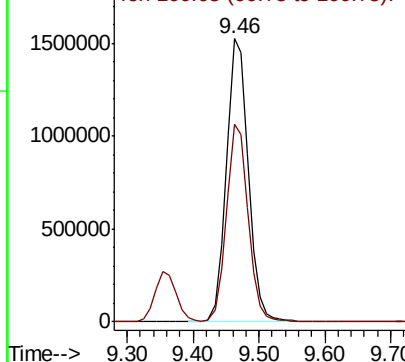


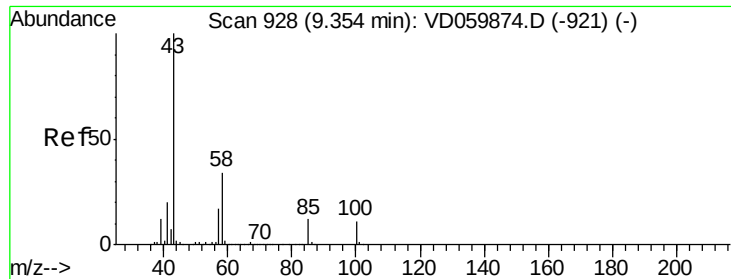
#50
Toluene-d8
Concen: 2070.21 ug/l
RT: 9.46 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 533.16 ug/l

RT: 9.35 min Scan# 928

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5887902

Ion Ratio Lower Upper

43 100

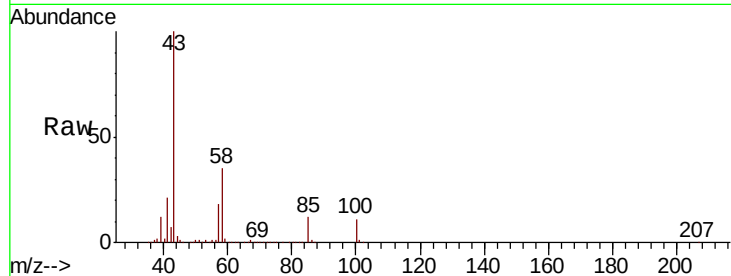
58 34.7 27.0 40.4

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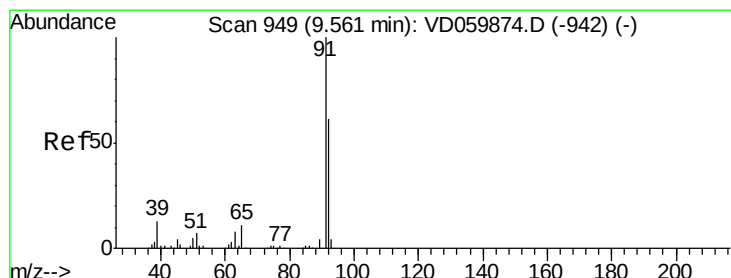
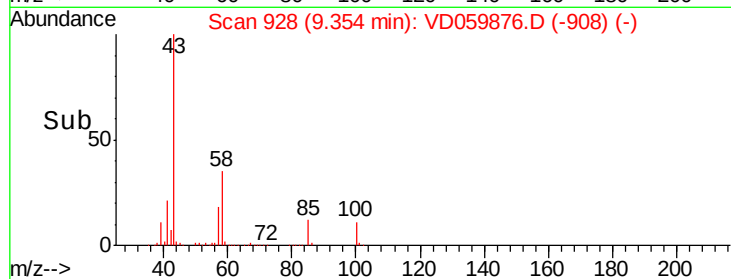
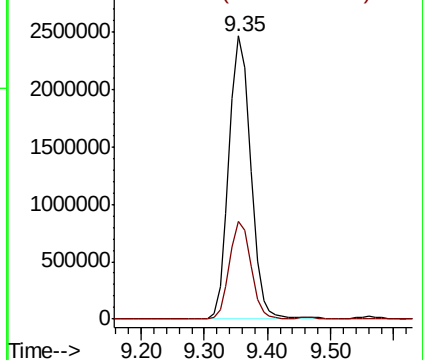
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 100.54 ug/l

RT: 9.56 min Scan# 949

Delta R.T. -0.00 min

Lab File: VD059876.D

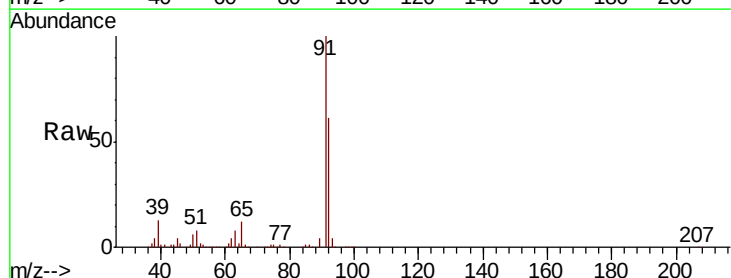
Acq: 22 Aug 2018 15:05

Tgt Ion: 92 Resp: 2554746

Ion Ratio Lower Upper

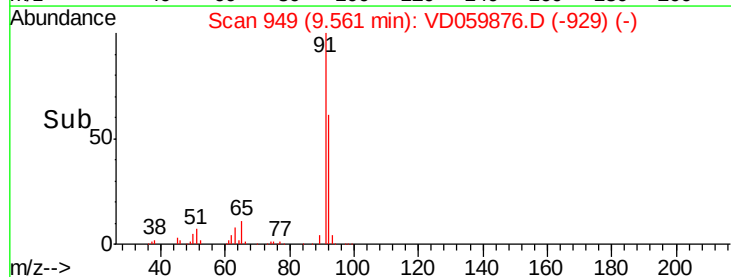
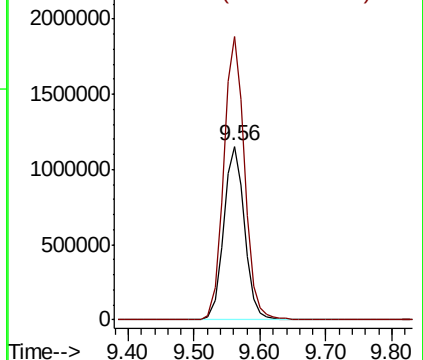
92 100

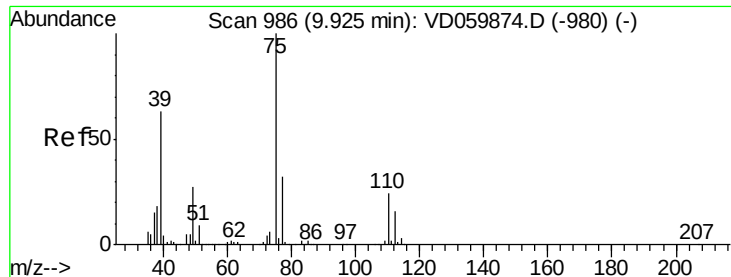
91 163.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 100.08 ug/l

RT: 9.92 min Scan# 986

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Tot Ion: 75 Resp: 1504518

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

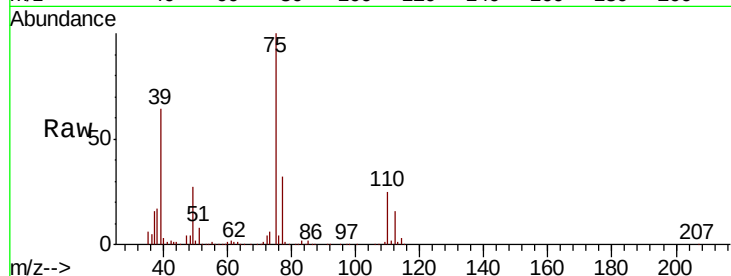
VSTDIC100

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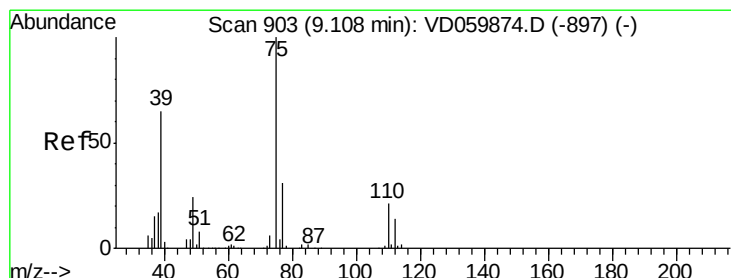
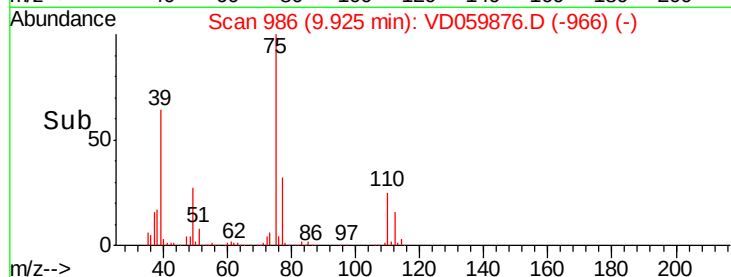
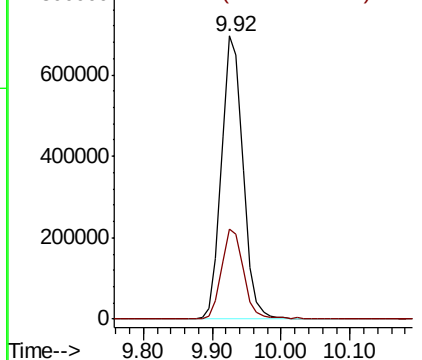
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 99.89 ug/l

RT: 9.11 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

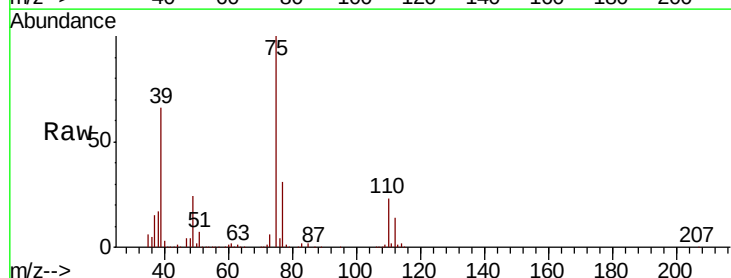
Tgt Ion: 75 Resp: 1747822

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

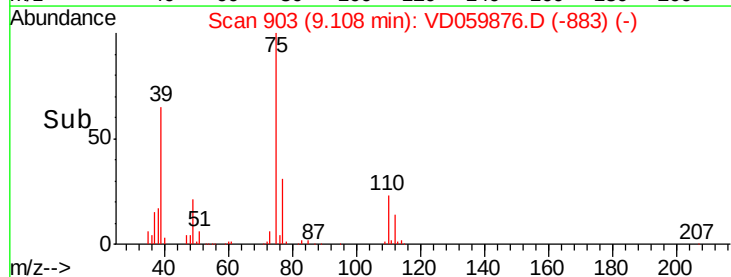
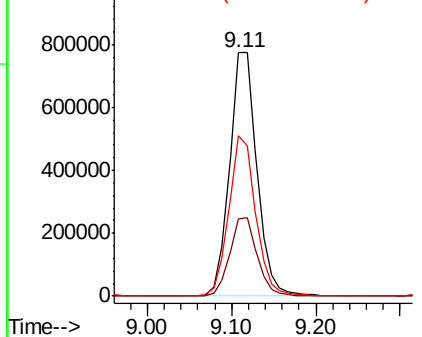
39 65.8 52.1 78.1

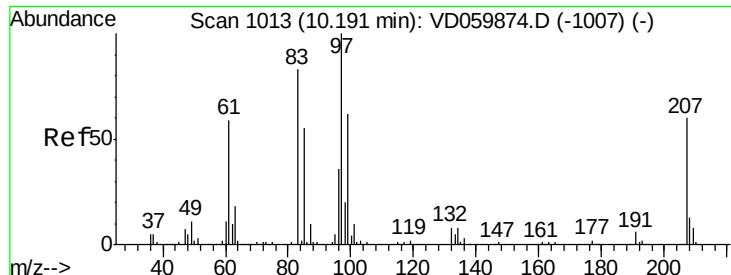


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





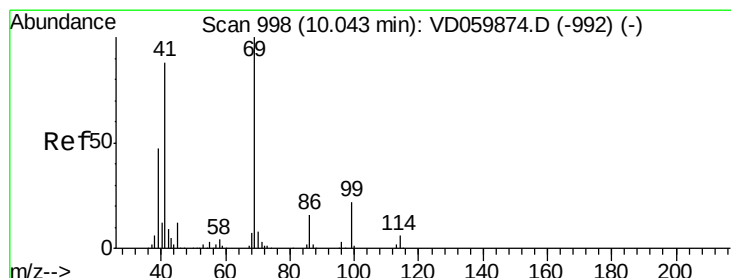
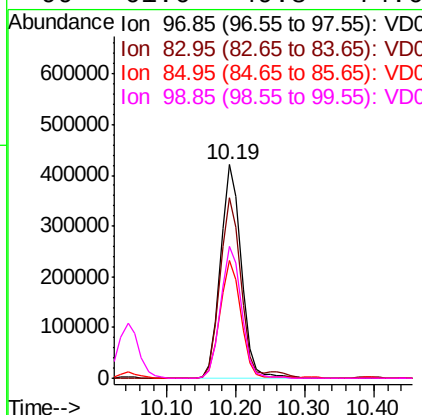
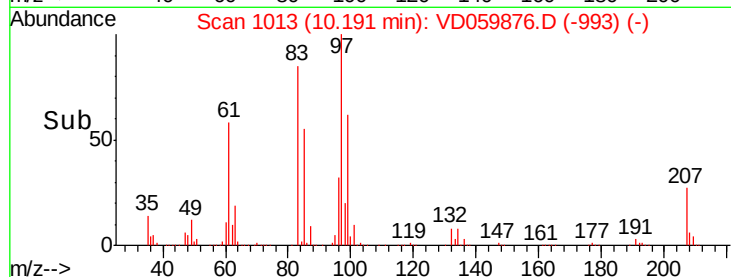
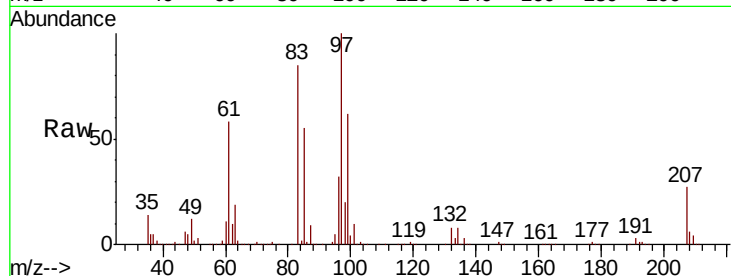
#55
 1,1,2-Trichloroethane
 Concen: 95.67 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.5	66.7	100.1	
85	55.0	43.8	65.6	
99	61.6	49.8	74.6	

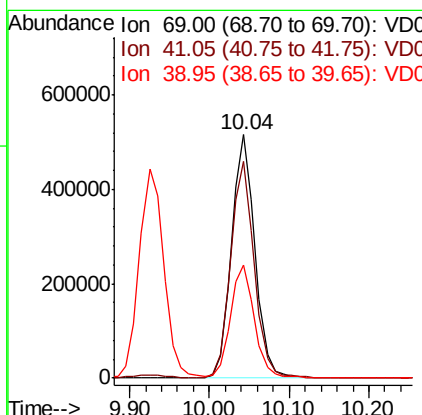
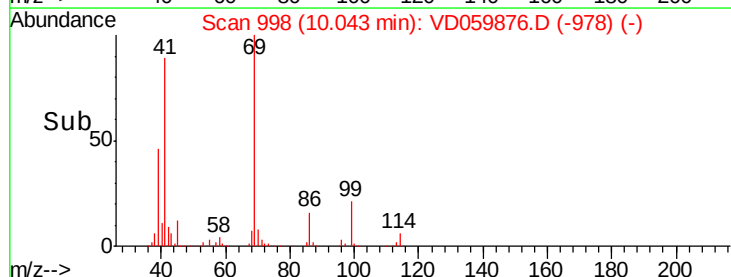
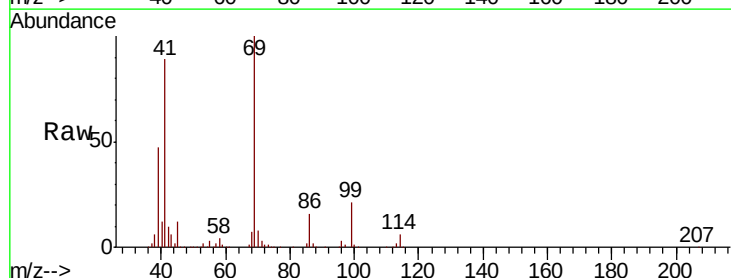
Manual Integrations
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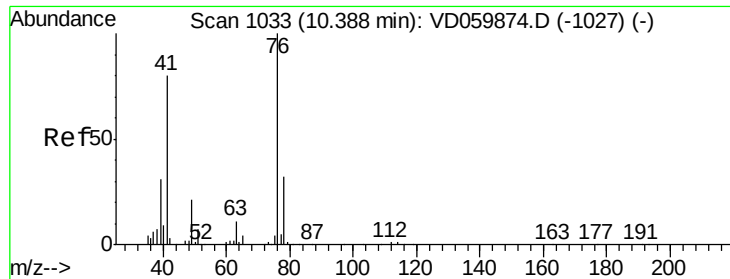
apatel
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#56
 Ethyl methacrylate
 Concen: 96.16 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	88.9	71.0	106.4	
39	46.5	38.5	57.7	





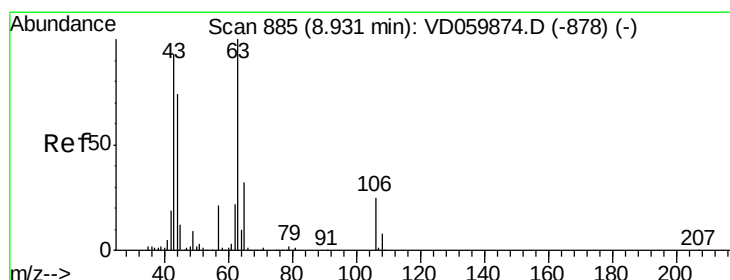
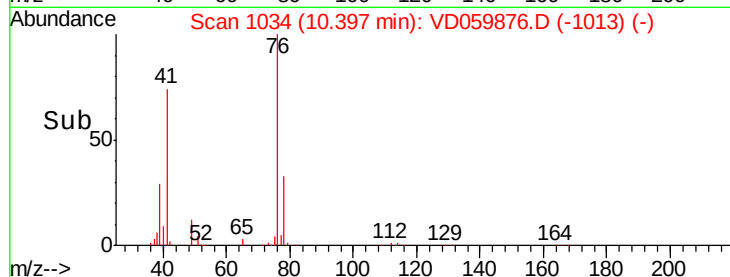
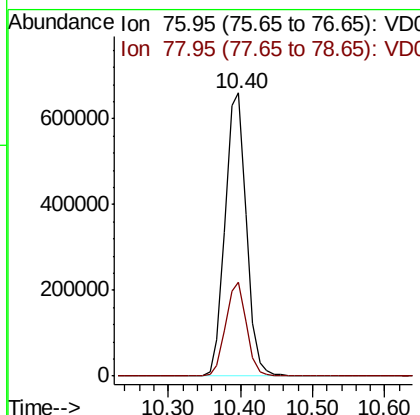
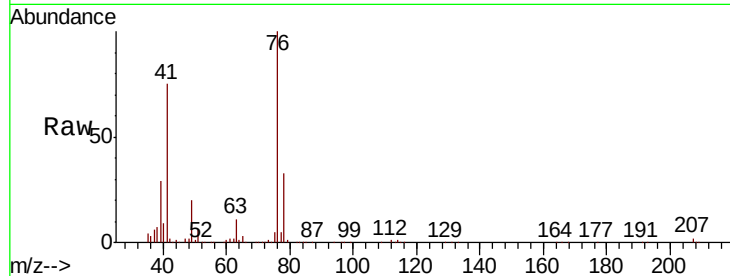
#57
 1,3-Dichloropropane
 Concen: 99.59 ug/l
 RT: 10.40 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1349866
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.6

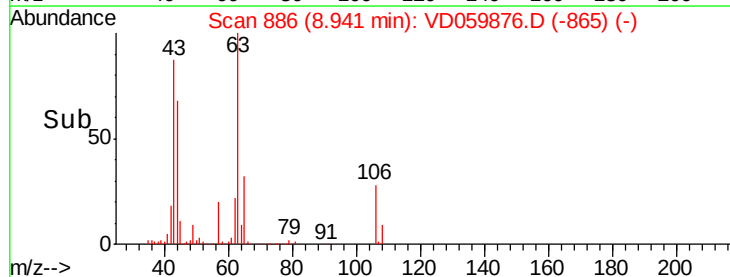
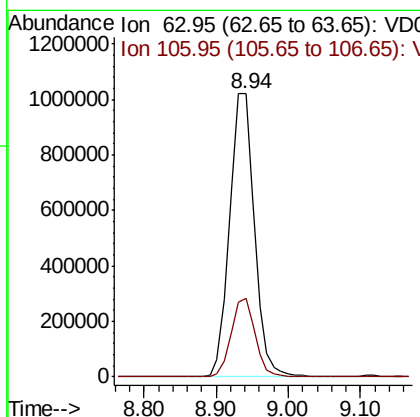
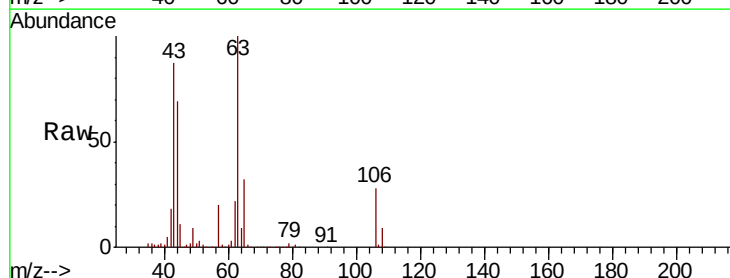
Manual Integrations
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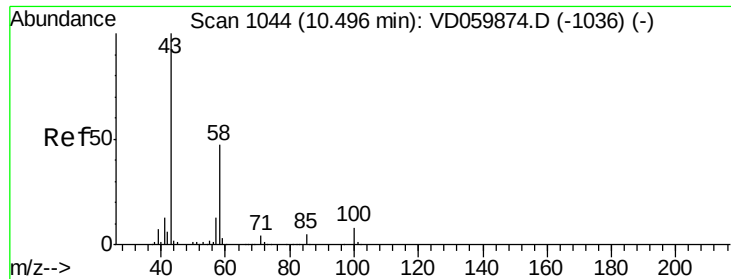
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 468.85 ug/l
 RT: 8.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 63 Resp: 2460237
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.1 30.1





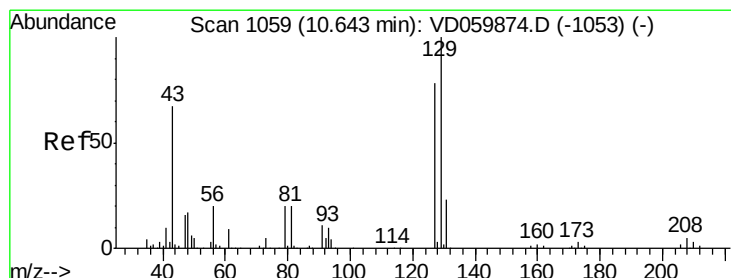
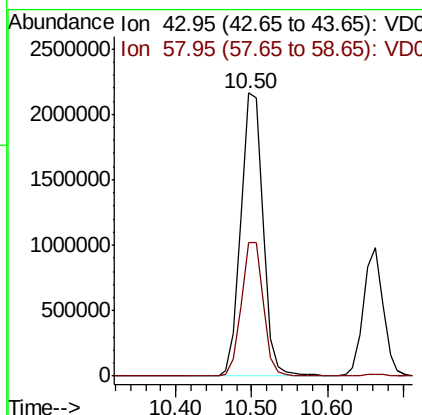
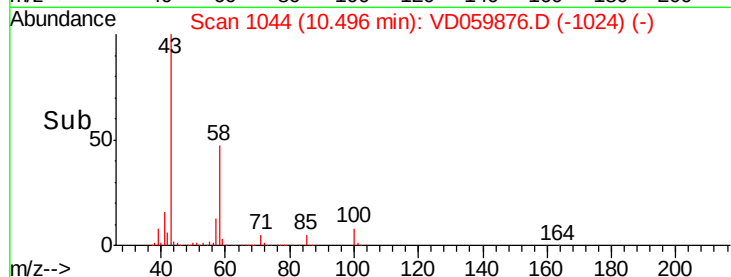
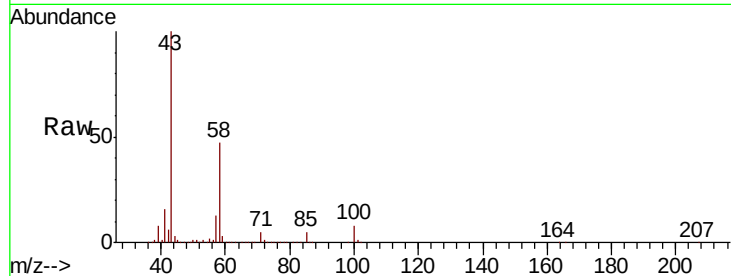
#59
2-Hexanone
Concen: 543.43 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 4352096
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.8

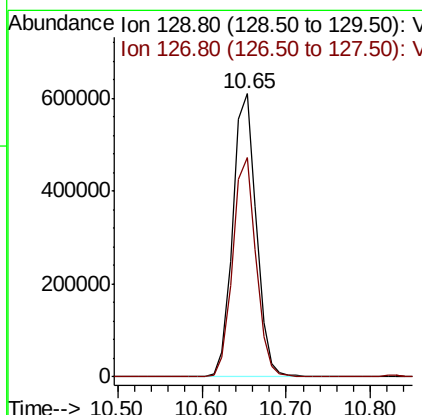
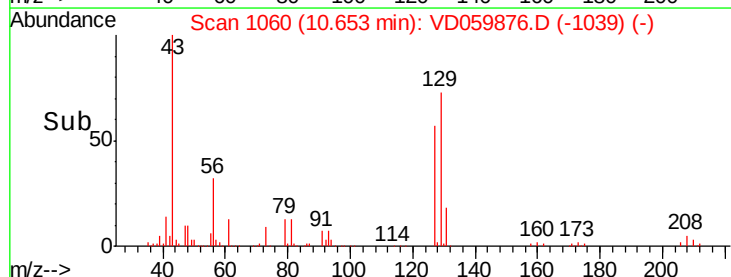
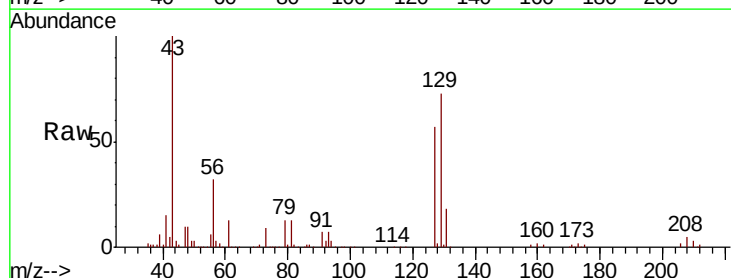
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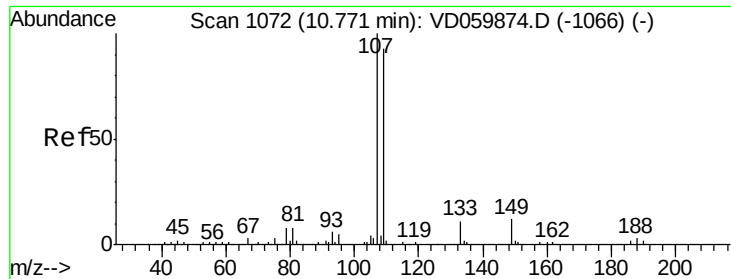
apatel
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#60
Dibromochloromethane
Concen: 100.48 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:129 Resp: 1184338
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 102.27 ug/l

RT: 10.77 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 976162

Ion Ratio Lower Upper

107 100

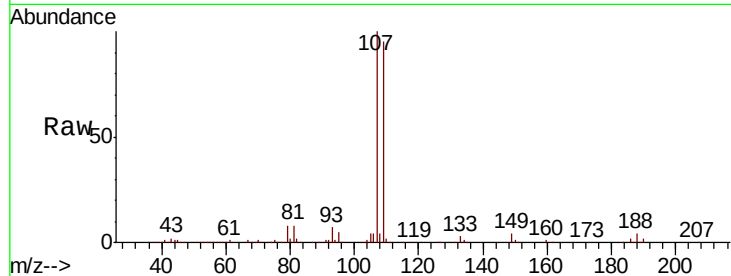
109 95.0 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

600000

500000

400000

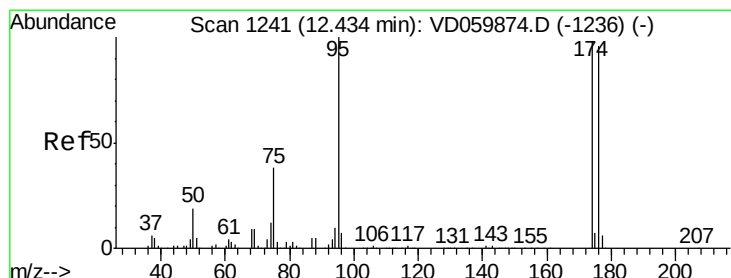
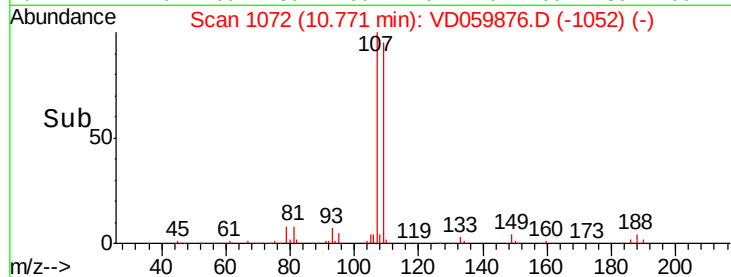
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 102.27 ug/l

RT: 12.43 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

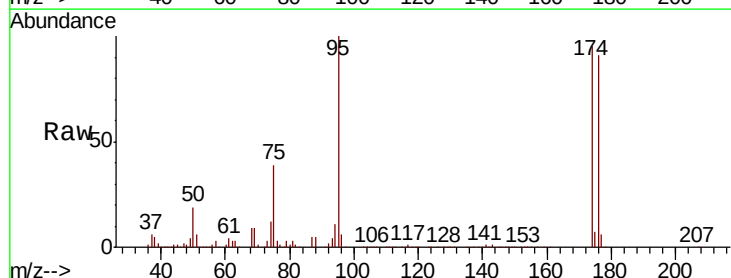
Tgt Ion: 95 Resp: 1348124

Ion Ratio Lower Upper

95 100

174 94.6 0.0 195.6

176 91.2 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

1200000

1000000

800000

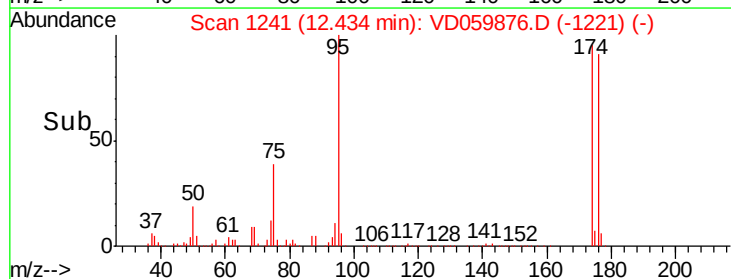
600000

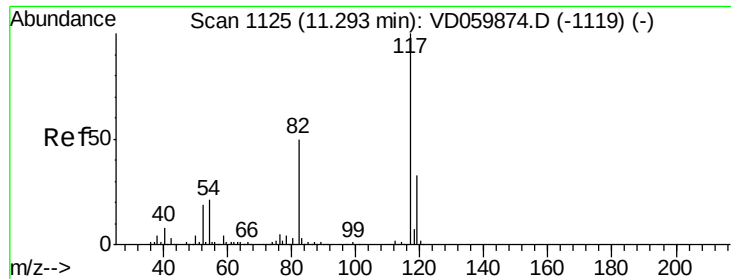
400000

200000

0

Time-->





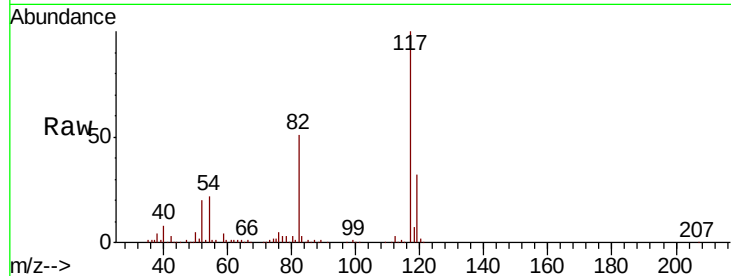
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.1	60.1
119	32.1	26.7	40.1

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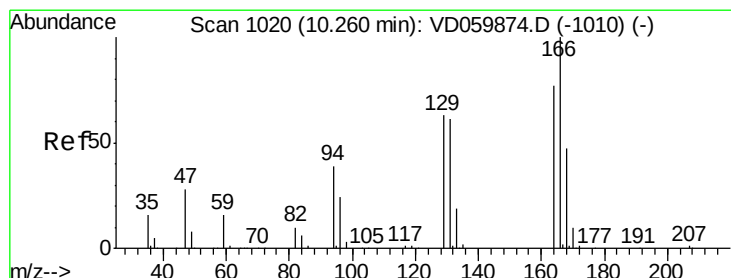
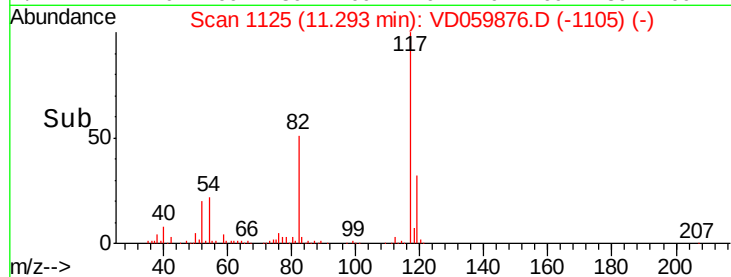
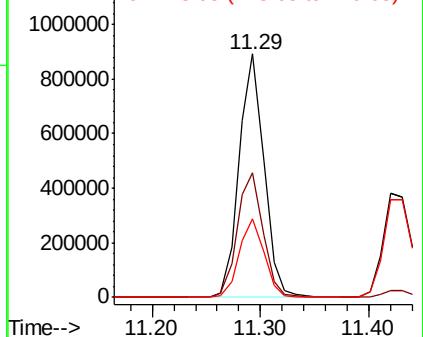


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 101.13 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.4	155.2
129	82.8	65.2	97.8
131	79.4	63.1	94.7

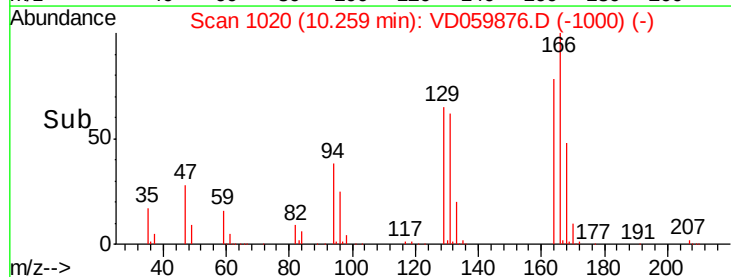
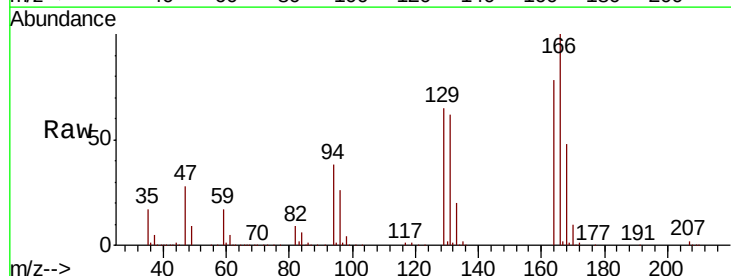
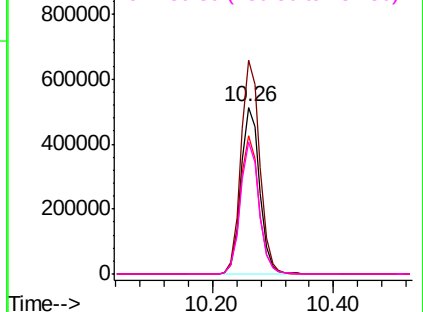
Abundance

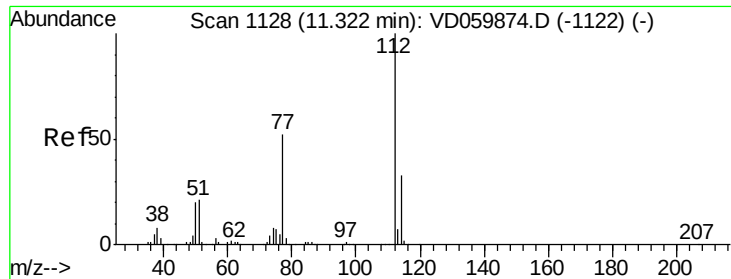
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 100.06 ug/l

RT: 11.32 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 2810622

Ion Ratio Lower Upper

112 100

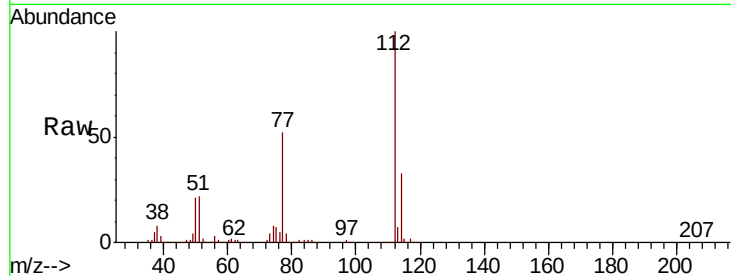
114 32.9 26.4 39.6

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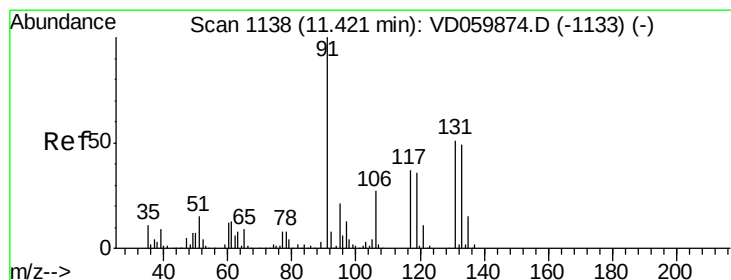
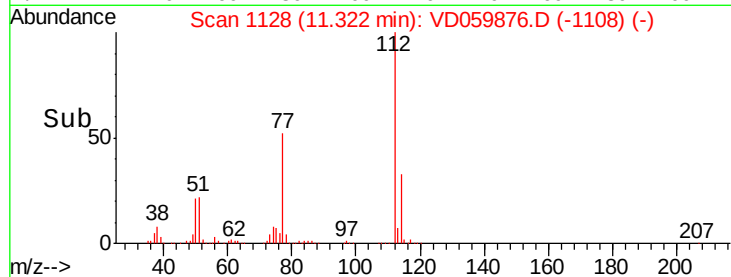
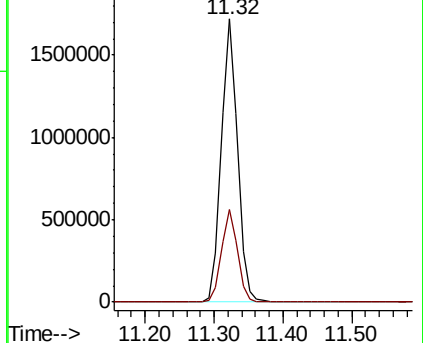
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 92.46 ug/l

RT: 11.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

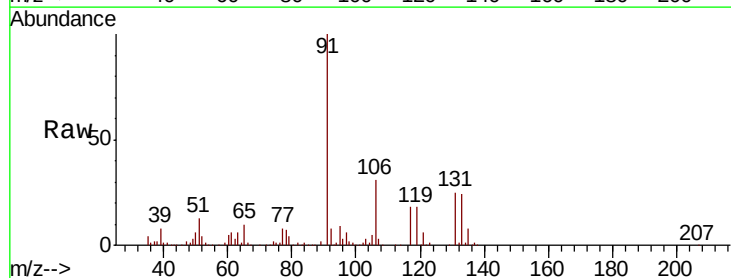
Tgt Ion:131 Resp: 940044

Ion Ratio Lower Upper

131 100

133 95.6 48.3 144.8

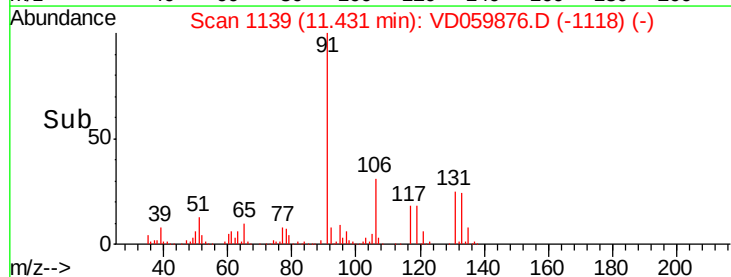
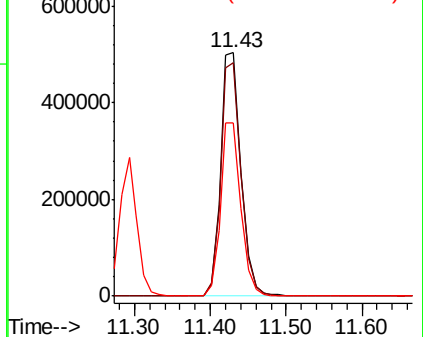
119 71.0 35.4 106.3

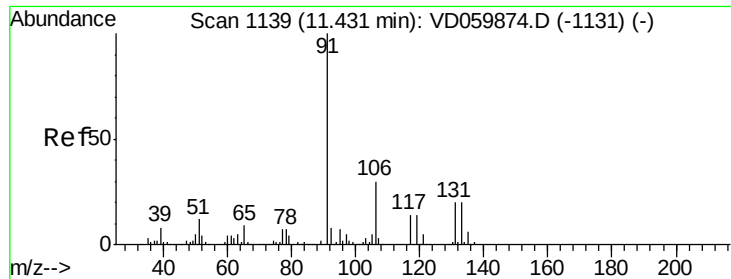


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 88.81 ug/l

RT: 11.44 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4076479

Ion Ratio Lower Upper

91 100

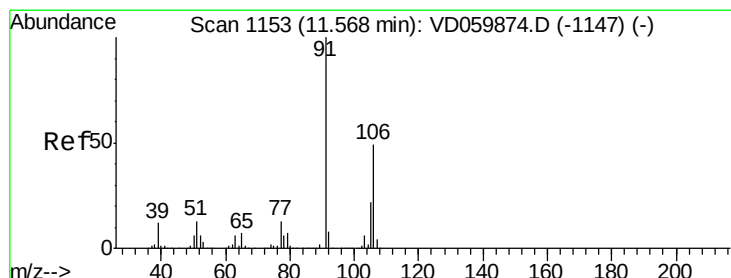
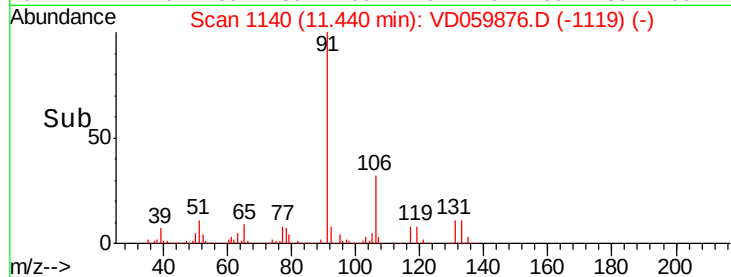
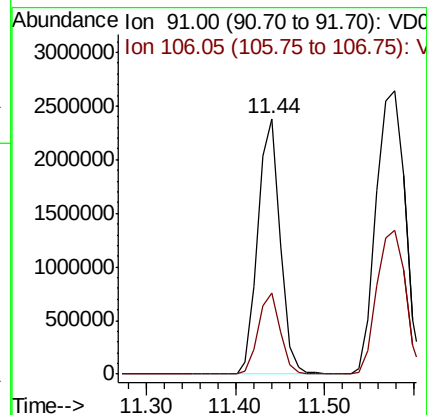
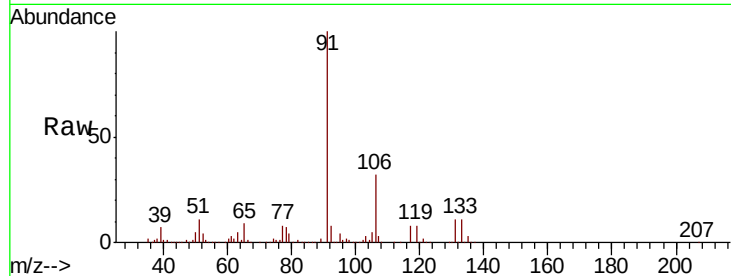
106 32.0 23.8 35.8

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#68

m/p-Xylenes

Concen: 178.30 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD059876.D

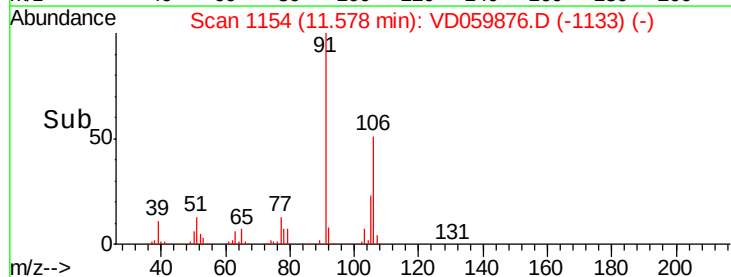
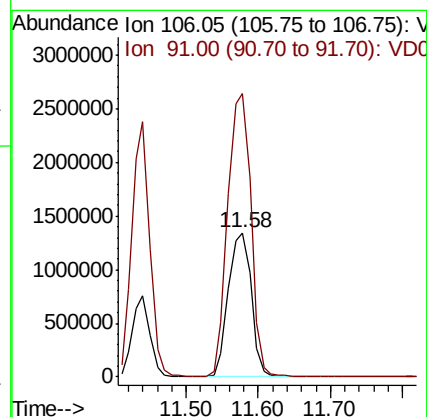
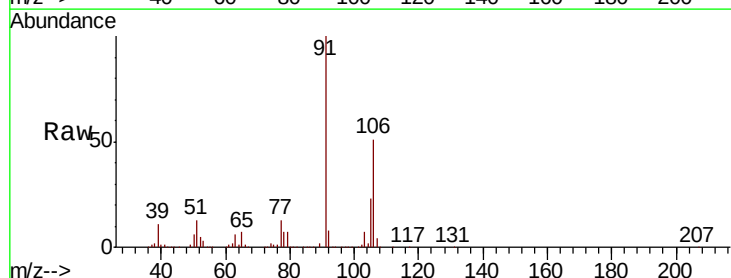
Acq: 22 Aug 2018 15:05

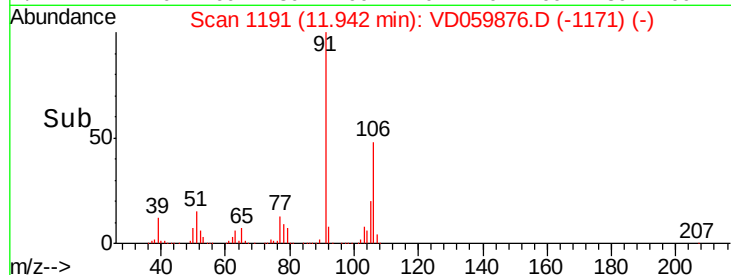
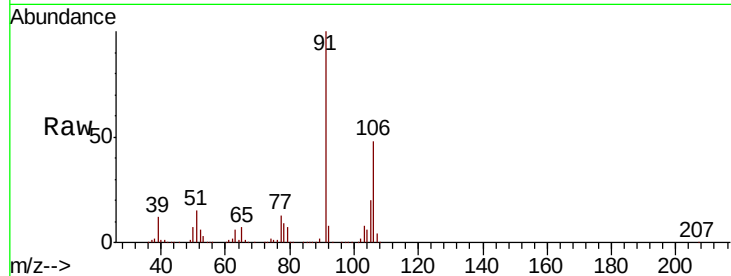
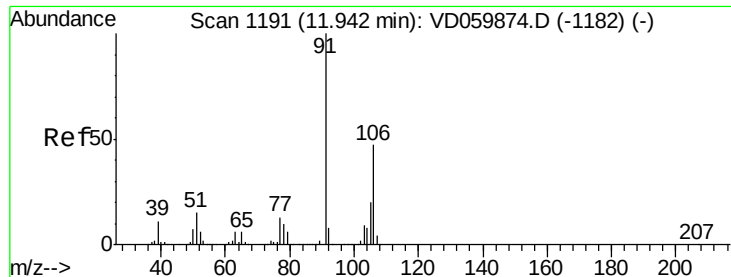
Tgt Ion: 106 Resp: 2953963

Ion Ratio Lower Upper

106 100

91 196.0 162.0 243.0





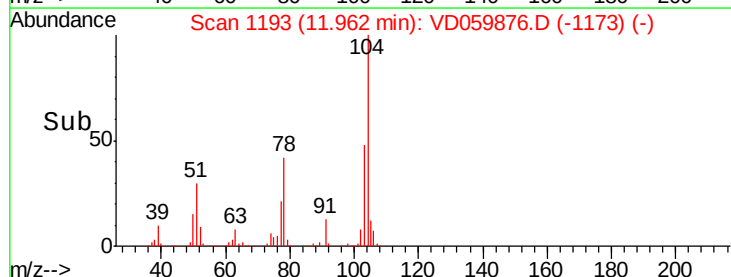
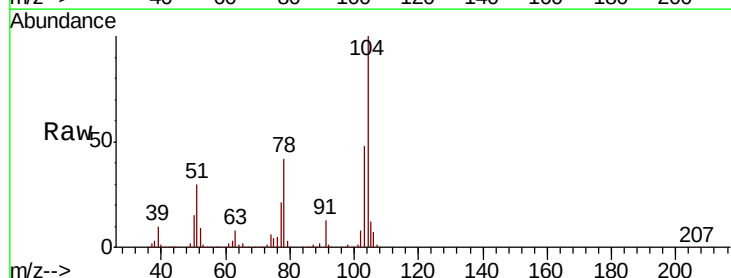
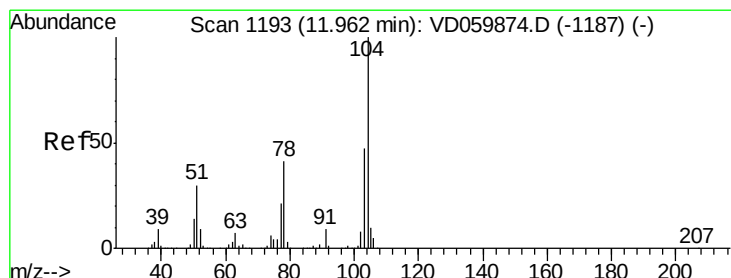
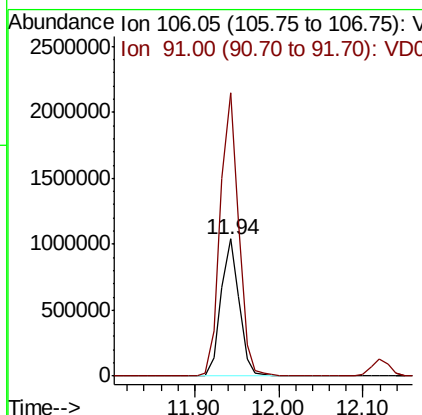
#69
o-Xylene
Concen: 95.72 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tot Ion:106 Resp: 1556815
Ion Ratio Lower Upper
106 100
91 206.8 107.3 322.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

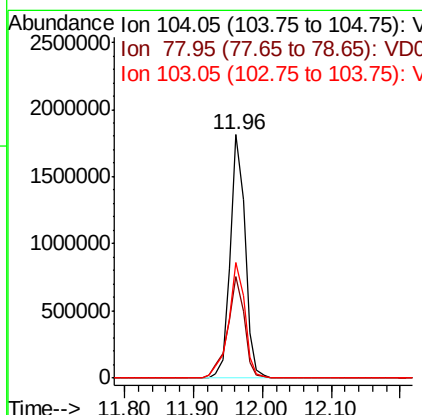
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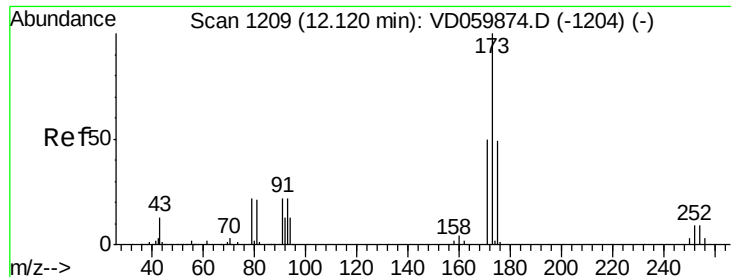
apatel
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#70
Styrene
Concen: 95.61 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:104 Resp: 2701028
Ion Ratio Lower Upper
104 100
78 41.7 32.6 49.0
103 47.6 37.7 56.5





#71

Bromoform

Concen: 103.92 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 937630

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

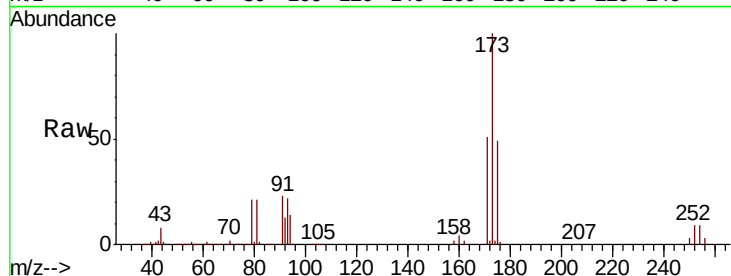
254 8.9 7.0 10.6

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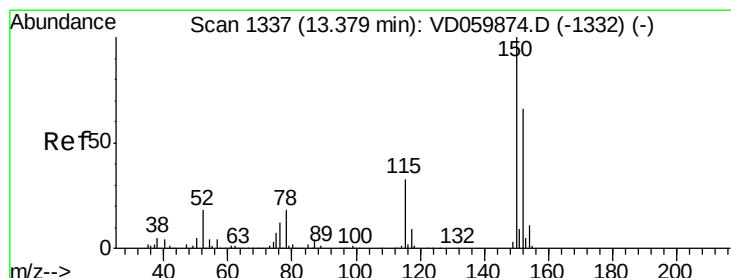
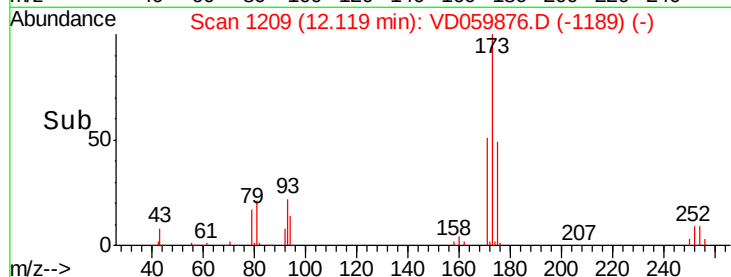
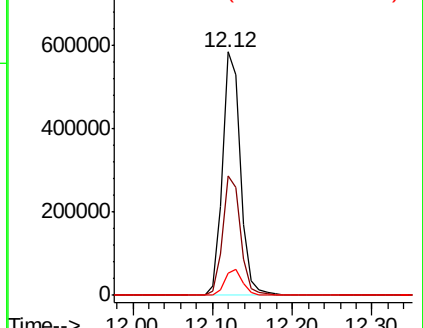
8/23/2018 10:53:02 AM



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: 13.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

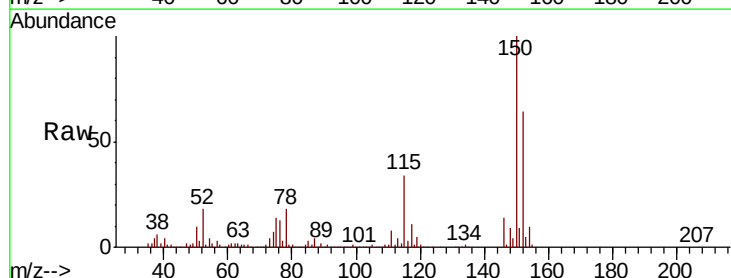
Tgt Ion:152 Resp: 729455

Ion Ratio Lower Upper

152 100

115 52.9 25.7 77.0

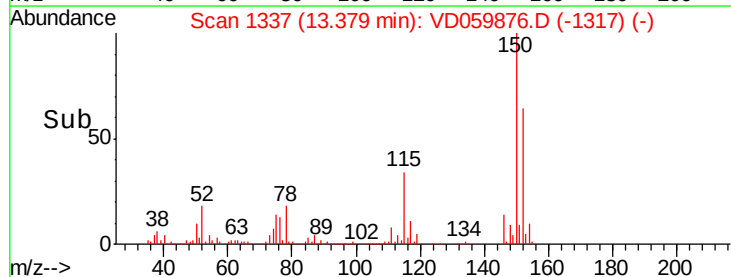
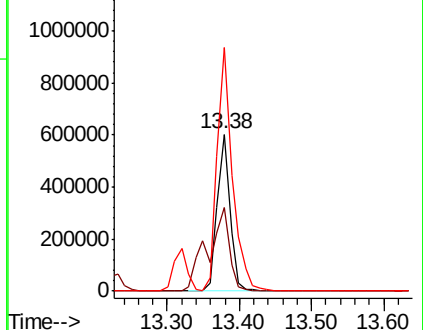
150 155.1 0.0 310.2

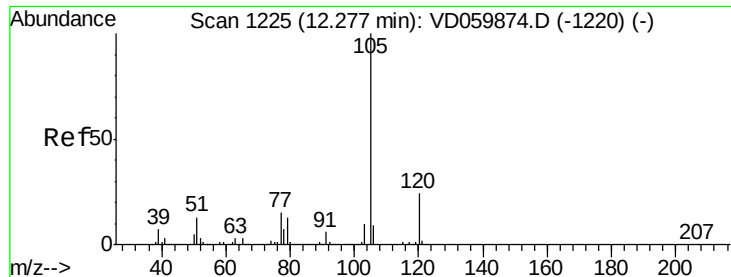


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





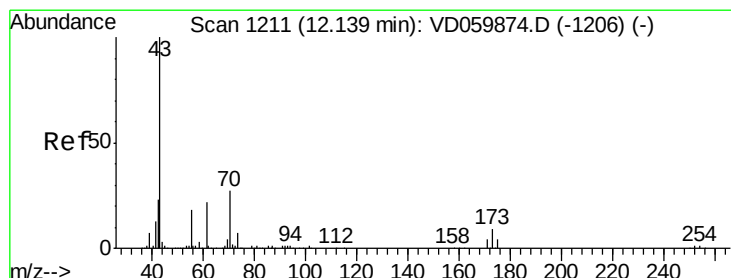
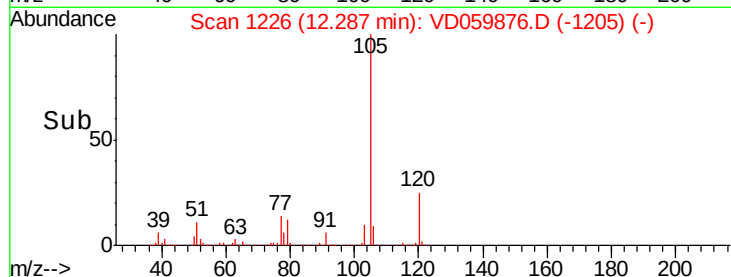
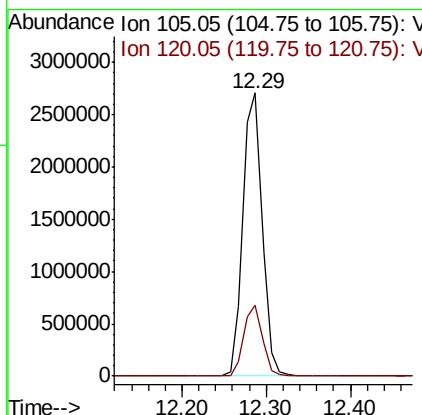
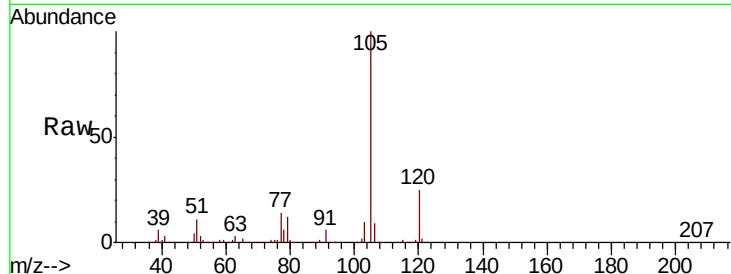
#73
Isopropylbenzene
Concen: 94.19 ug/l
RT: 12.29 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 4332572
Ion Ratio Lower Upper
105 100
120 24.9 11.8 35.4

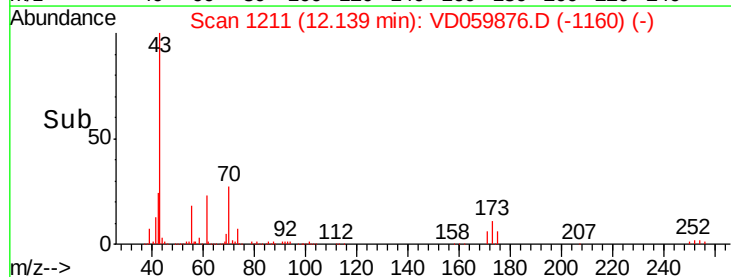
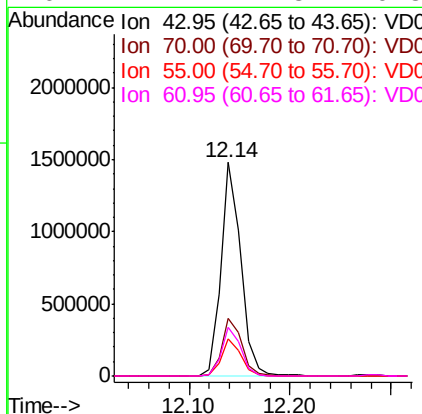
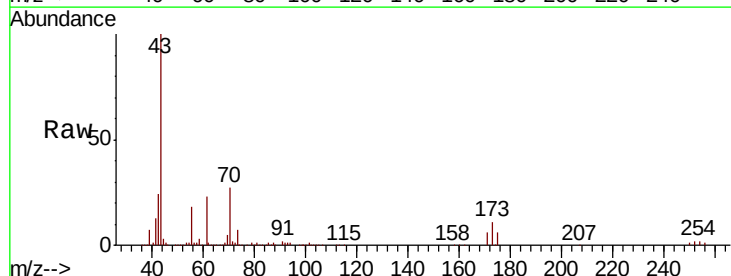
Manual Integrations
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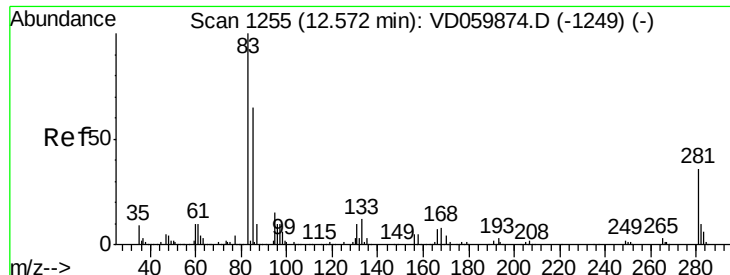
apatel
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#74
N-ethyl acetate
Concen: 98.66 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 43 Resp: 2027784
Ion Ratio Lower Upper
43 100
70 27.1 21.4 32.2
55 17.7 14.1 21.1
61 22.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 99.34 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1050368

Ion Ratio Lower Upper

83 100

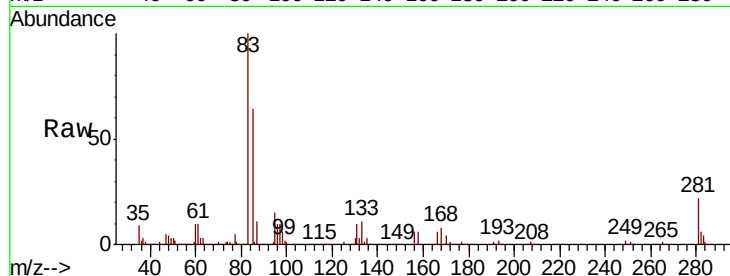
131 9.6 4.8 14.4

85 63.9 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

1000000

800000

600000

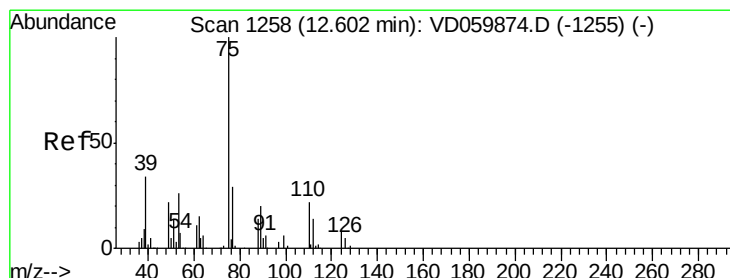
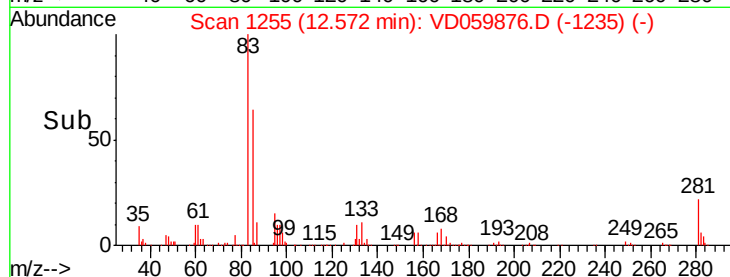
400000

200000

0

12.50 12.60 12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 97.02 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VD059876.D

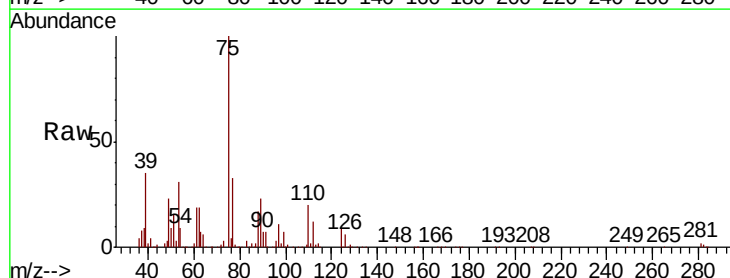
Acq: 22 Aug 2018 15:05

Tgt Ion: 75 Resp: 1104572

Ion Ratio Lower Upper

75 100

77 32.7 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

1200000

1000000

800000

600000

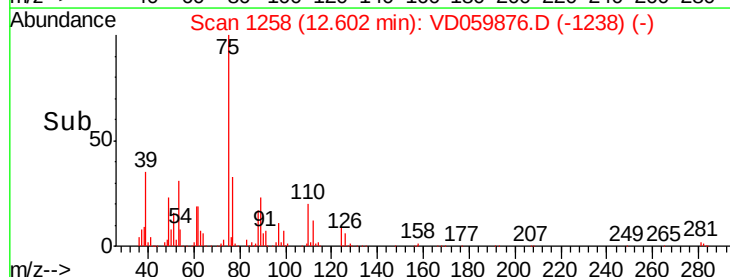
400000

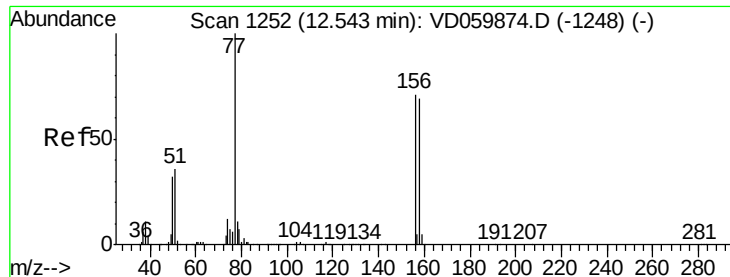
200000

0

12.55 12.60 12.65 12.70

Time-->





#77

Bromobenzene

Concen: 99.03 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1264837

Ion Ratio Lower Upper

156 100

77 105.6 70.2 210.4

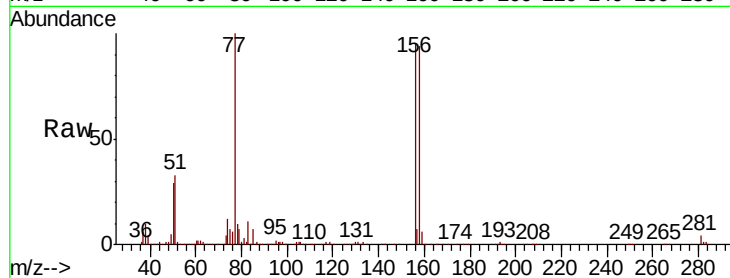
158 99.3 48.4 145.2

Manual Integrations

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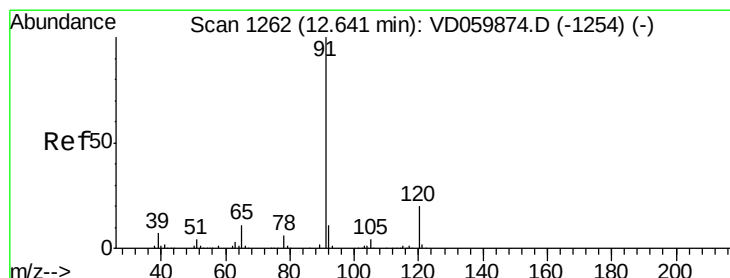
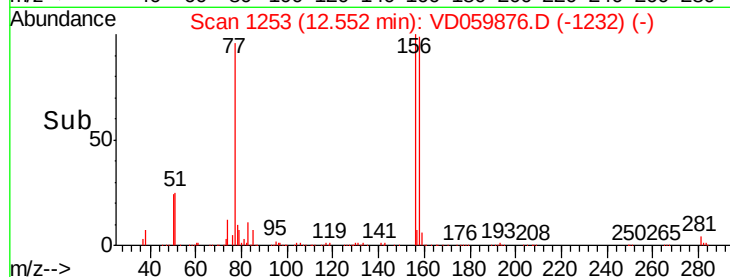
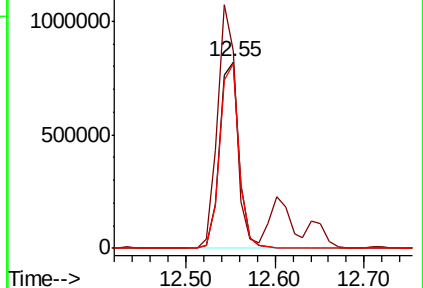
8/23/2018 10:53:02 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 88.97 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD059876.D

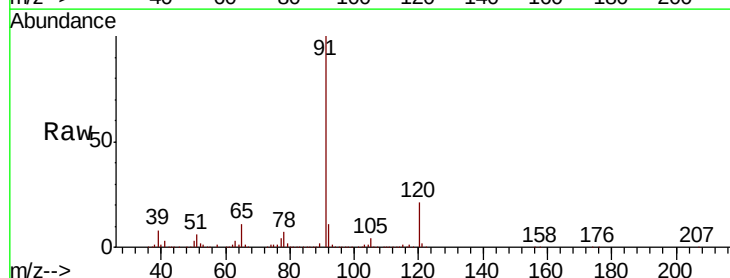
Acq: 22 Aug 2018 15:05

Tgt Ion: 91 Resp: 5085970

Ion Ratio Lower Upper

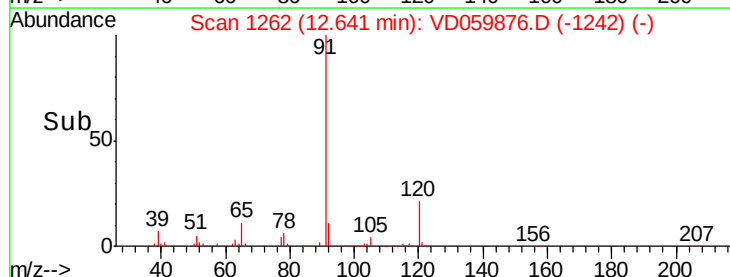
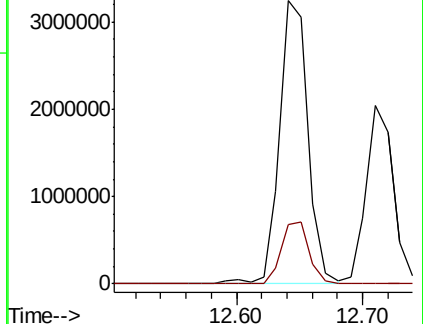
91 100

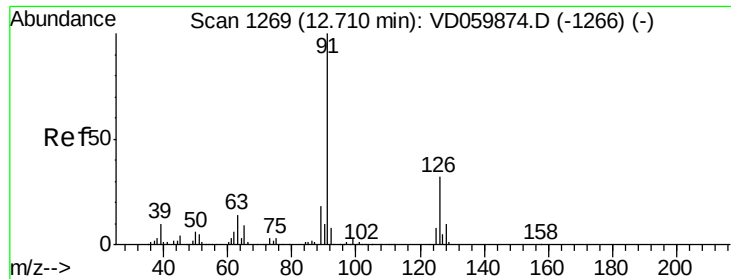
120 20.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 94.19 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3067567

Ion Ratio Lower Upper

91 100

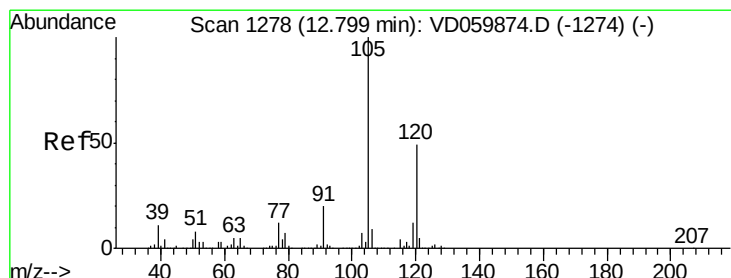
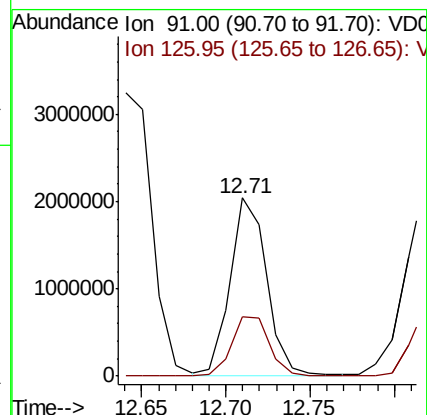
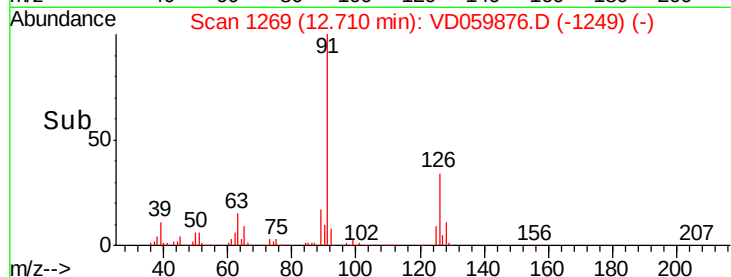
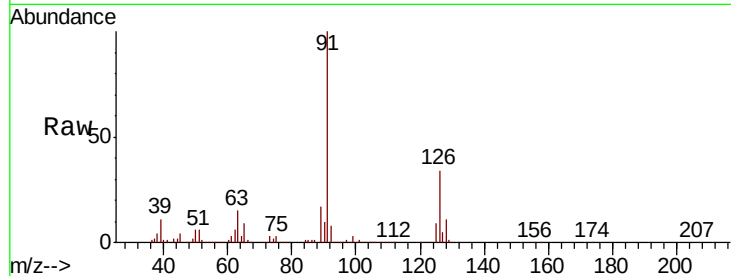
126 33.5 16.1 48.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 90.97 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VD059876.D

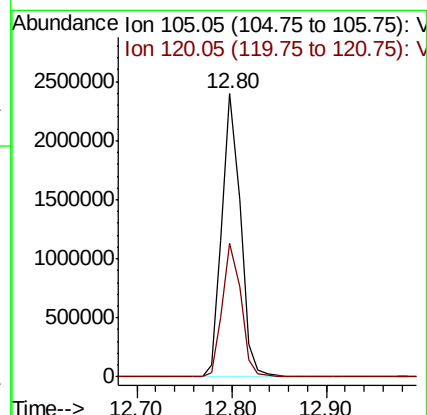
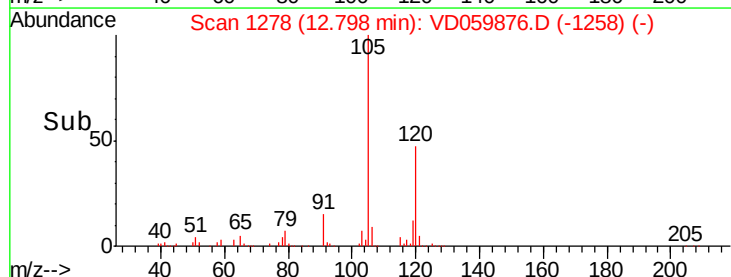
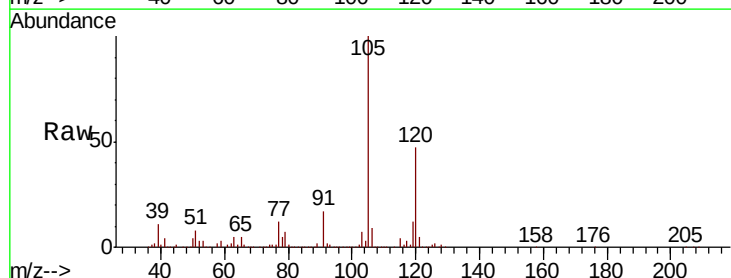
Acq: 22 Aug 2018 15:05

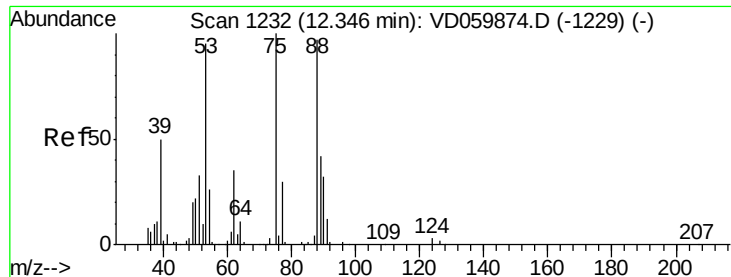
Tgt Ion:105 Resp: 3252386

Ion Ratio Lower Upper

105 100

120 47.0 24.5 73.5





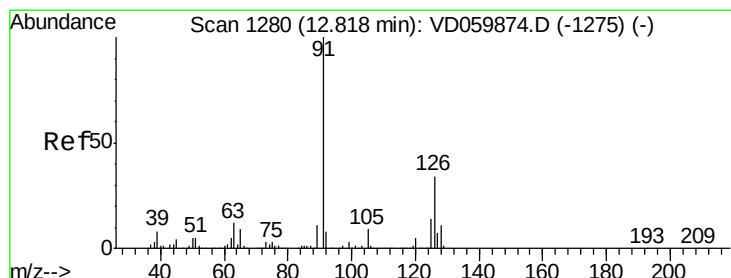
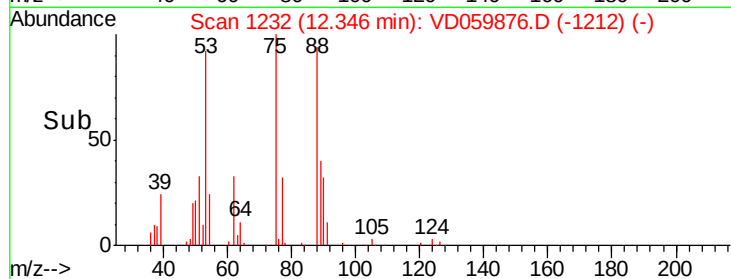
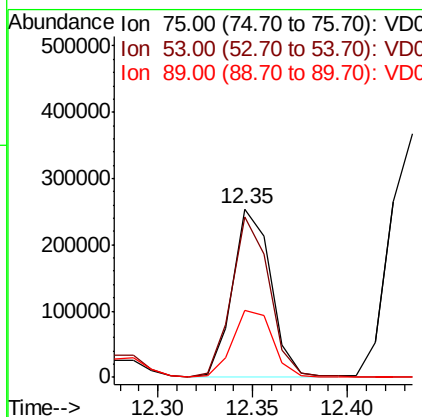
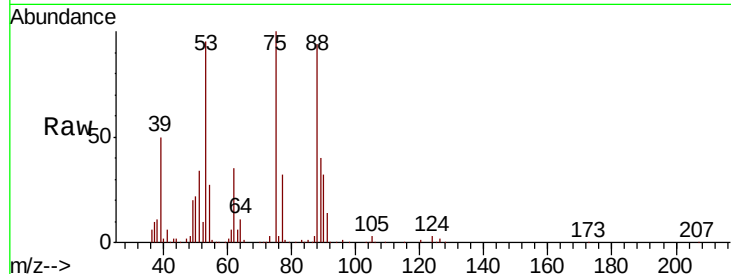
#81
trans-1,4-Dichloro-2-butene
Concen: 101.66 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	75.8	113.6
89	39.9	33.6	50.4

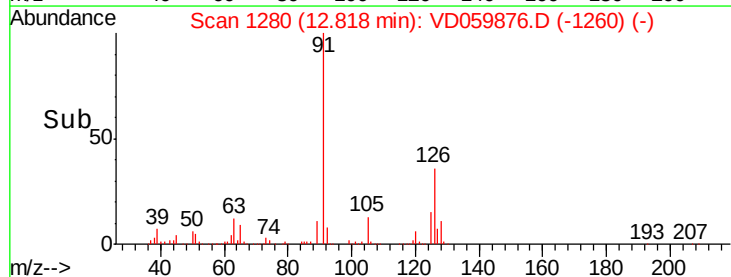
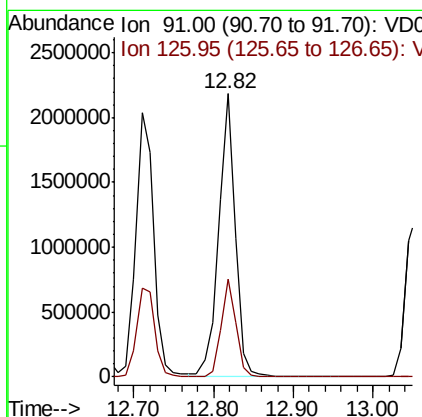
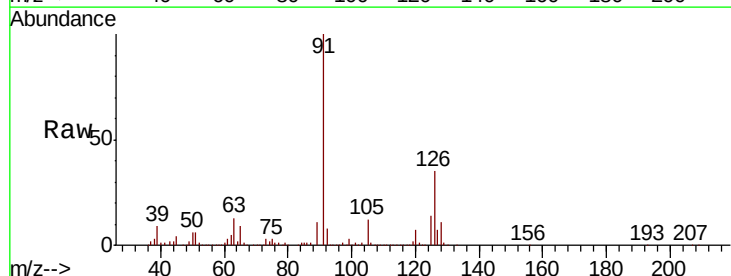
Manual Integrations
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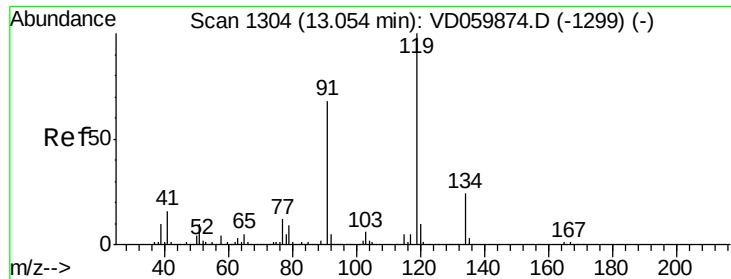
apatel
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#82
4-Chlorotoluene
Concen: 88.15 ug/l
RT: 12.82 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.1	51.2





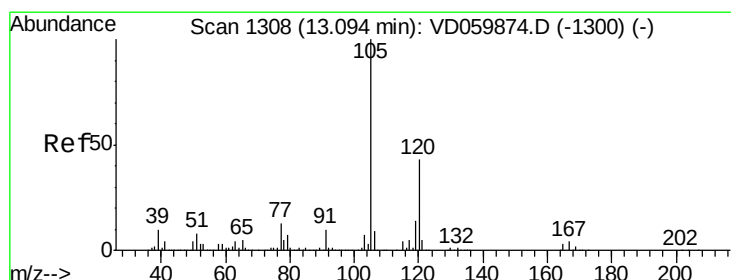
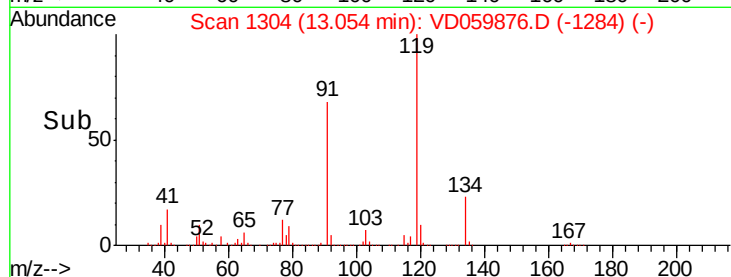
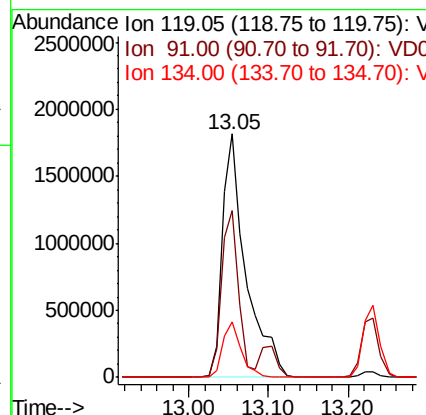
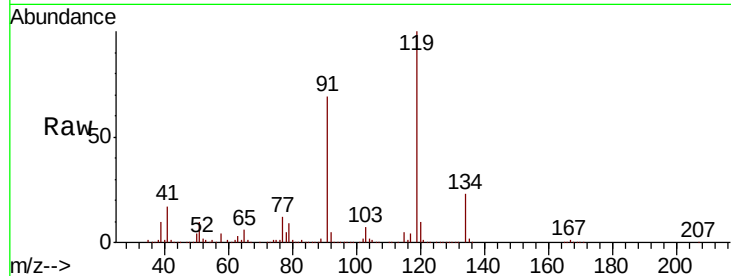
#83
 tert-Butylbenzene
 Concen: 90.71 ug/l
 RT: 13.05 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 3769606
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.3 102.9
 134 22.9 11.9 35.9

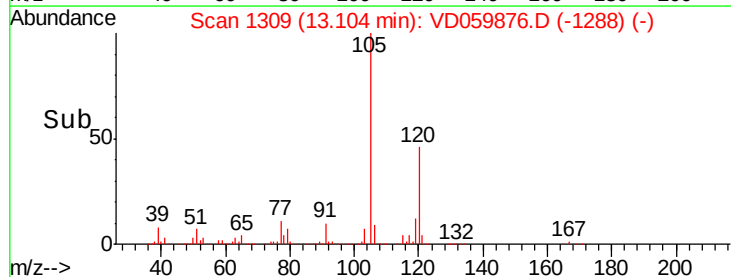
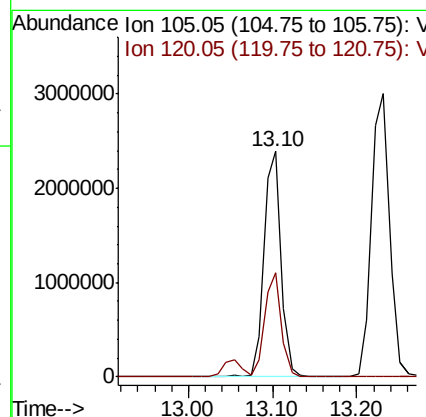
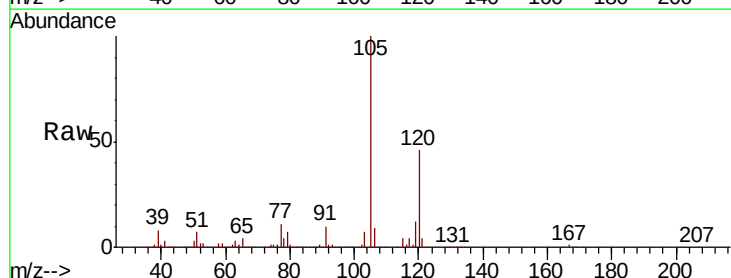
Manual Integrations
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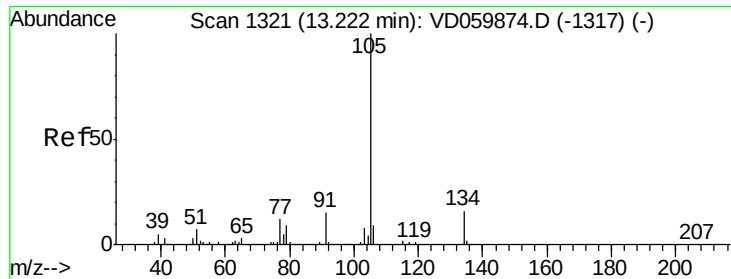
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 91.40 ug/l
 RT: 13.10 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion:105 Resp: 3442655
 Ion Ratio Lower Upper
 105 100
 120 46.1 21.8 65.3





#85

sec-Butylbenzene

Concen: 92.13 ug/l

RT: 13.23 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 4485701

Ion Ratio Lower Upper

105 100

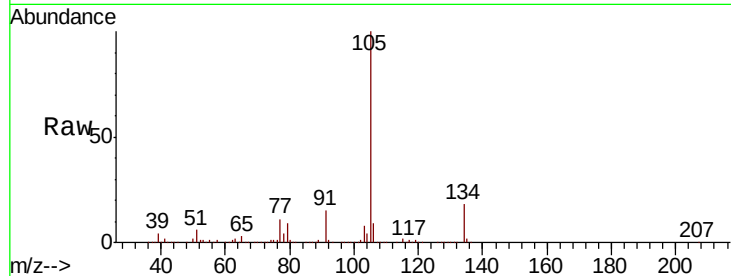
134 17.8 8.2 24.4

Manual Integrations

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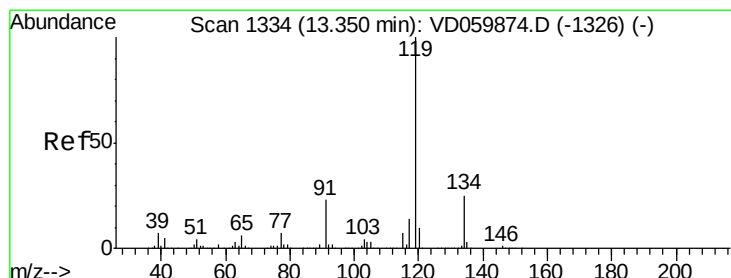
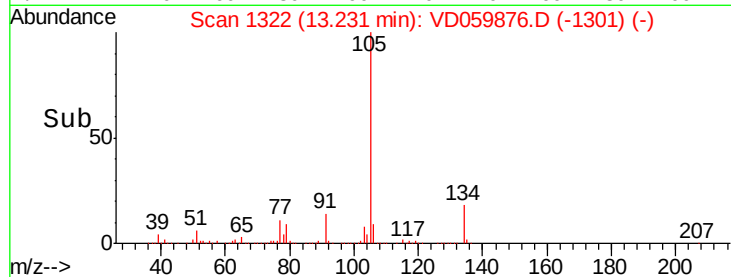
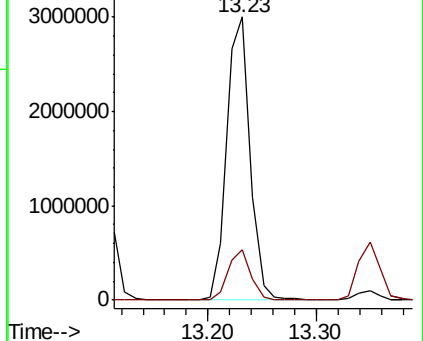
apatel

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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: 90.83 ug/l

RT: 13.35 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

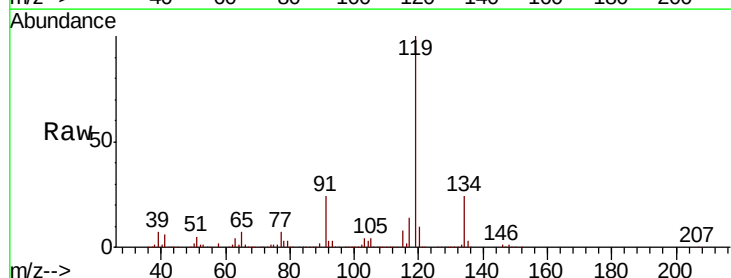
Tgt Ion:119 Resp: 3577419

Ion Ratio Lower Upper

119 100

134 23.9 12.7 38.1

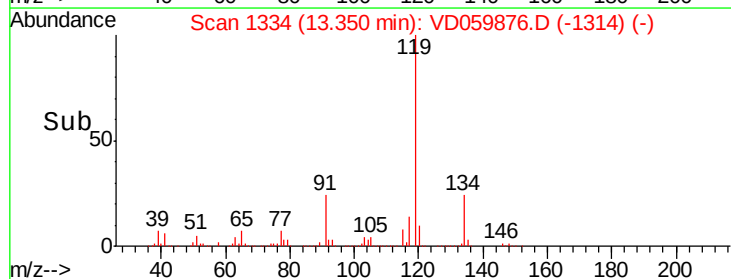
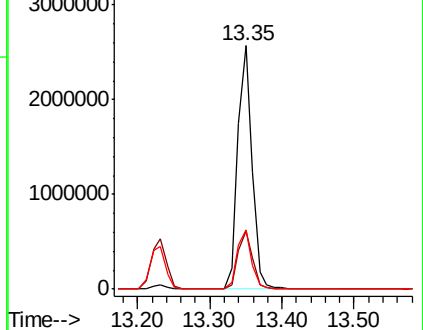
91 24.3 11.7 35.0

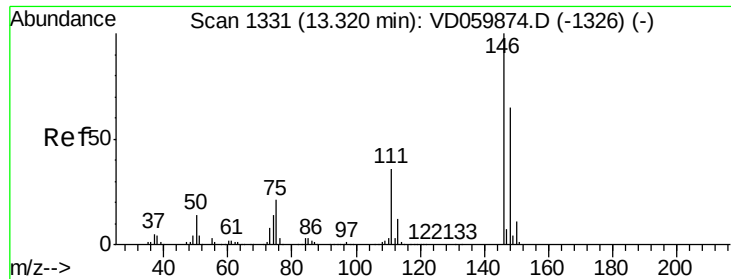


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





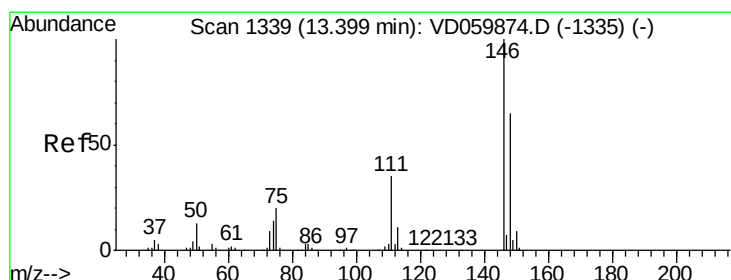
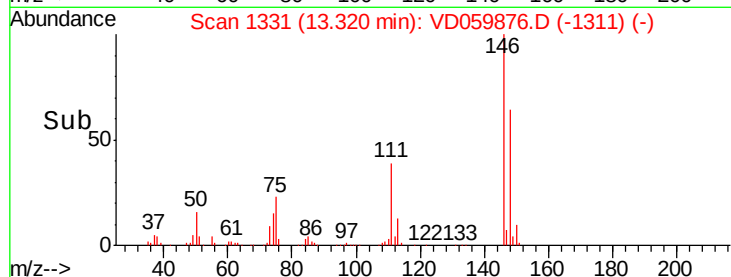
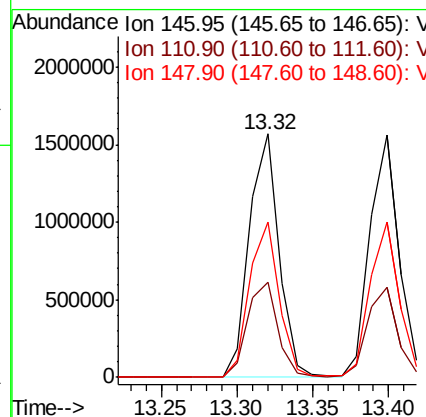
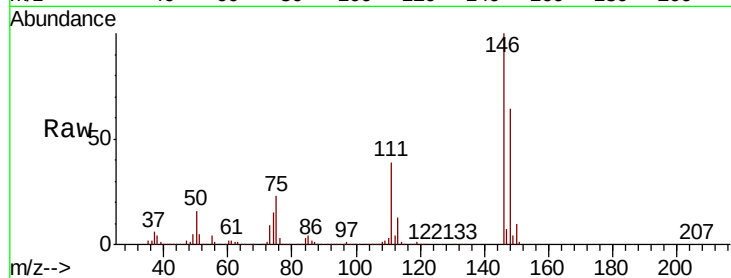
#87
 1,3-Dichlorobenzene
 Concen: 95.09 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	17.9	53.7
148	63.9	32.4	97.0

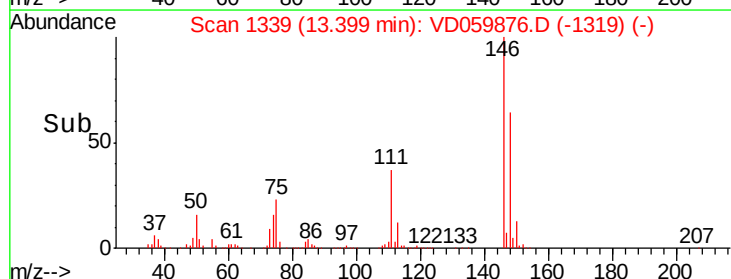
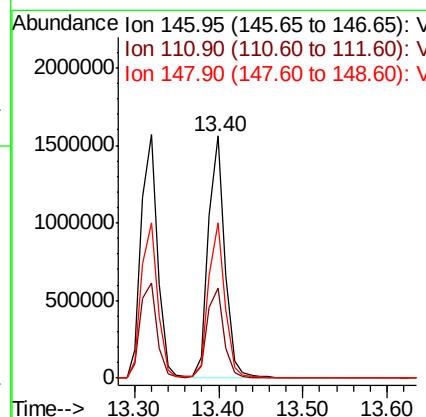
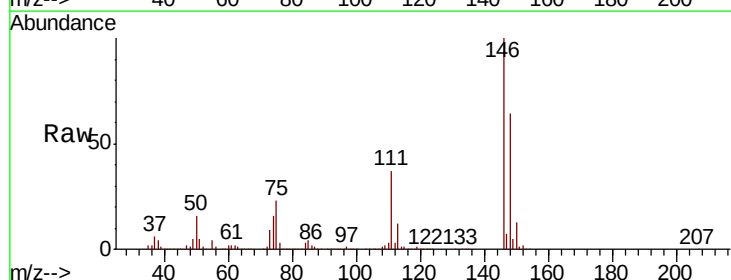
Manual Integrations
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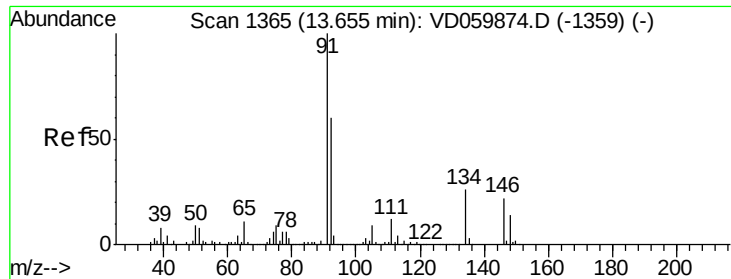
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 93.88 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.5	52.6
148	64.2	32.5	97.5





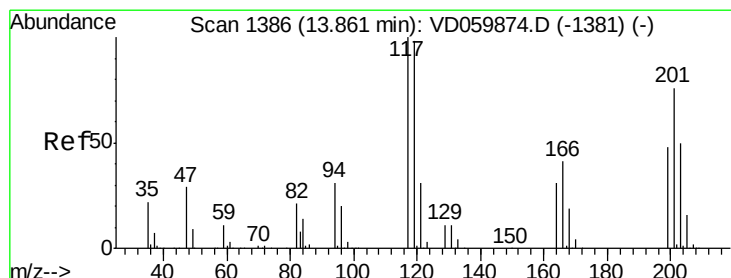
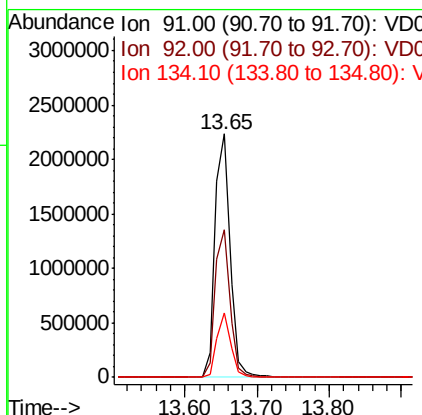
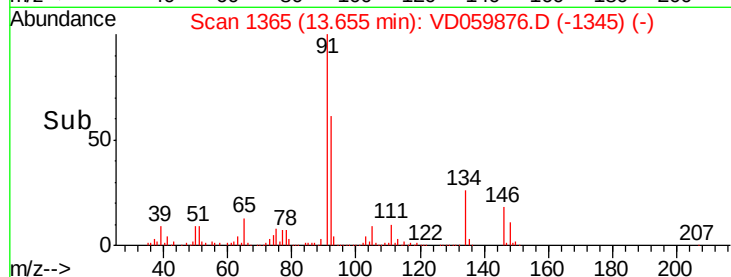
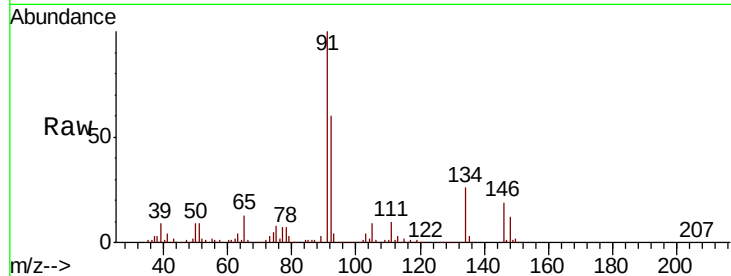
#89
n-Butylbenzene
Concen: 82.22 ug/l
RT: 13.65 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	60.5	30.0	90.1	
134	26.2	12.8	38.4	

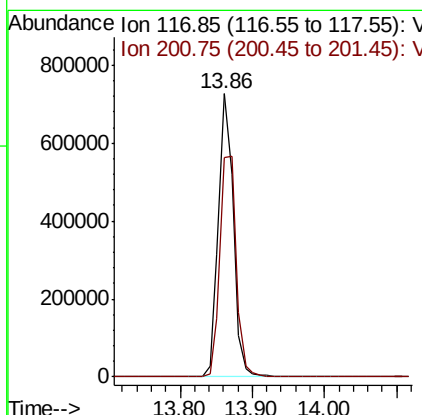
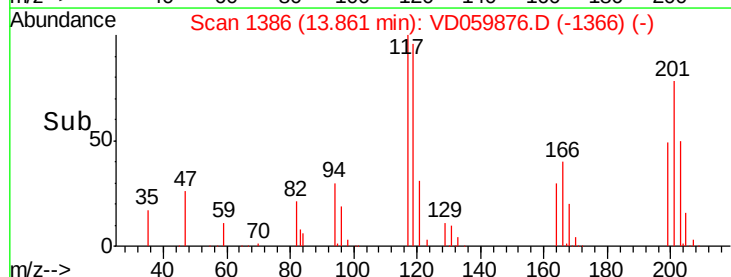
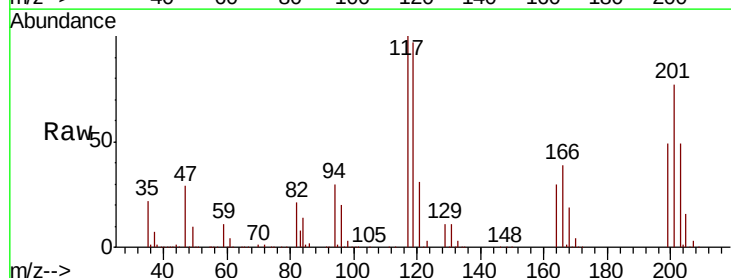
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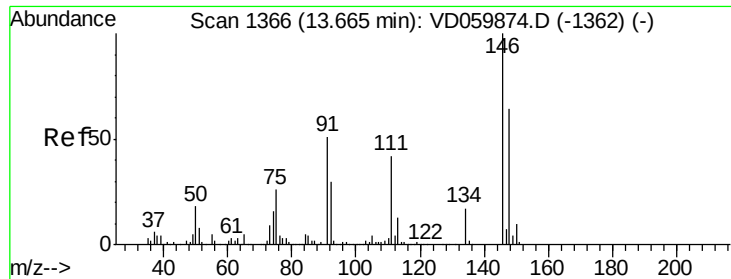
apatel
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#90
Hexachloroethane
Concen: 96.17 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	77.3	38.1	114.5	





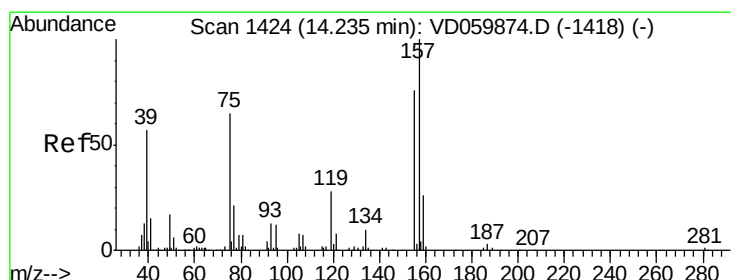
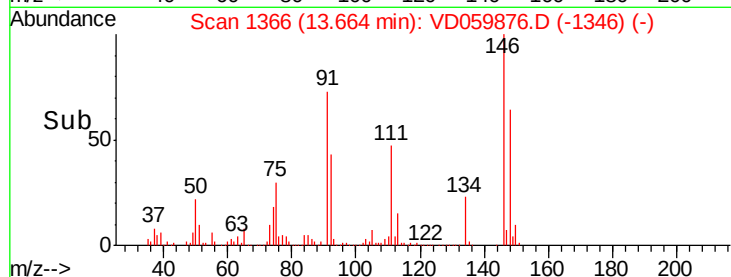
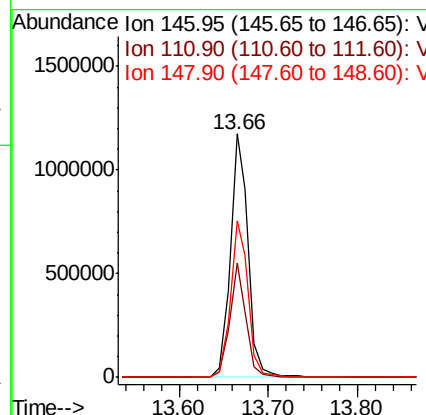
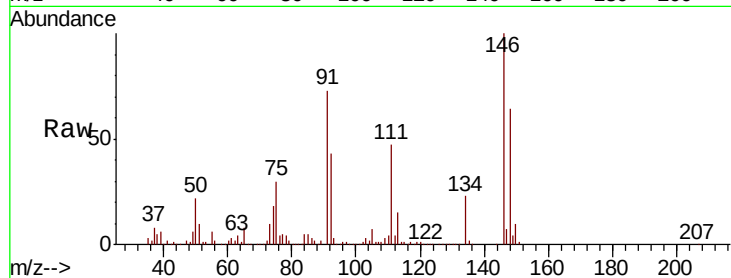
#91
 1,2-Dichlorobenzene
 Concen: 86.61 ug/l
 RT: 13.66 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.1	63.1
148	64.1	32.2	96.6

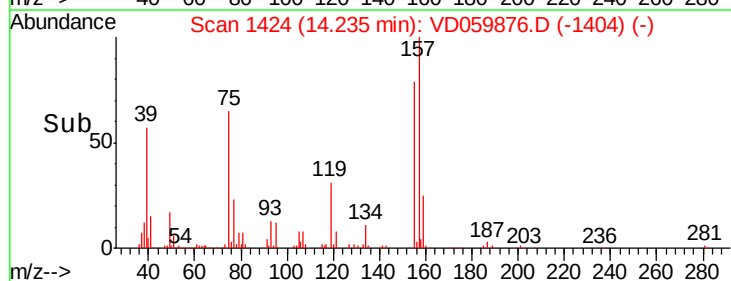
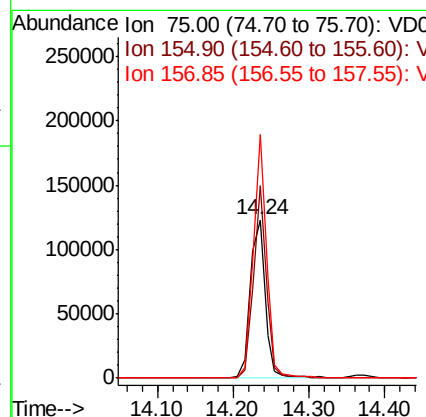
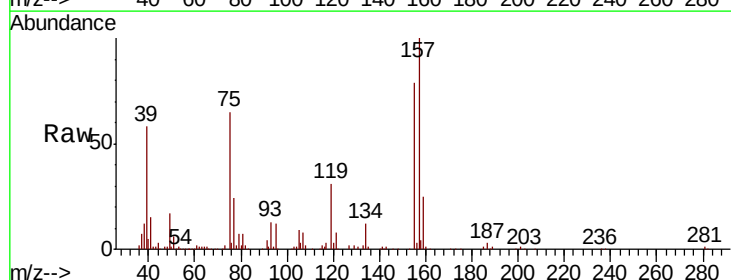
Manual Integrations
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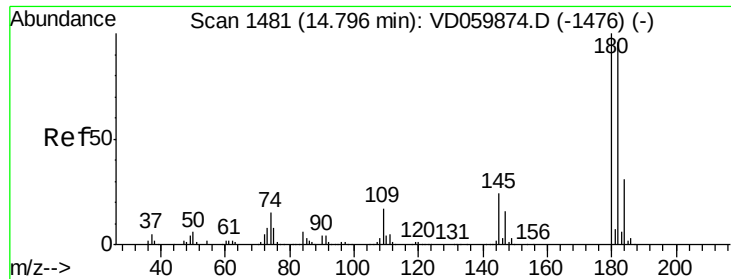
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.47 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.7	58.2	174.6
157	154.1	76.8	230.4





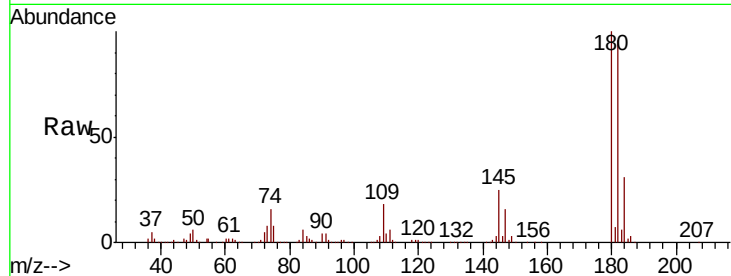
#93
1,2,4-Trichlorobenzene
Concen: 96.70 ug/l
RT: 14.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.7
145	24.8	12.2	36.4

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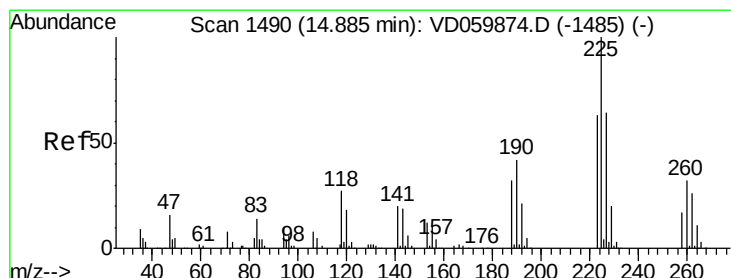
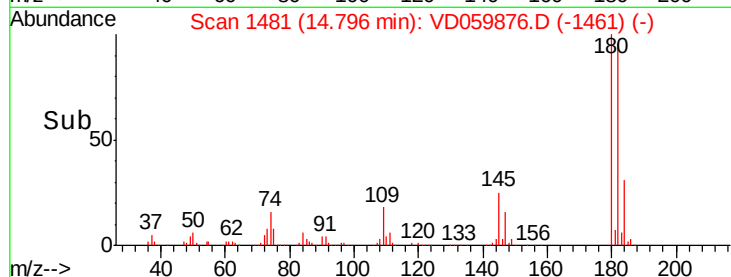
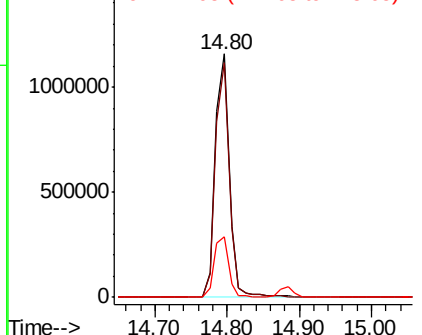


Abundance

Ion 179.85 (179.55 to 180.55): V

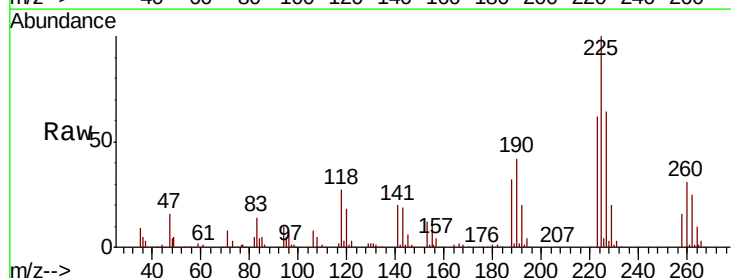
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 96.91 ug/l
RT: 14.88 min Scan# 1490
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.8
227	64.5	32.0	96.0

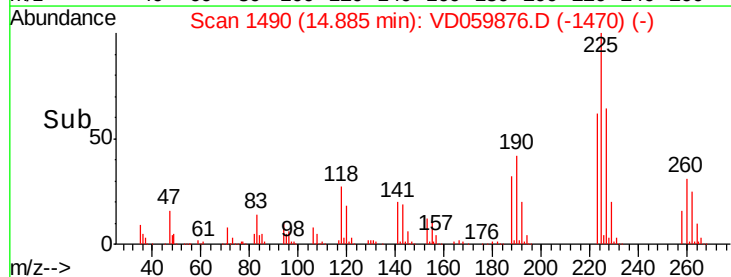
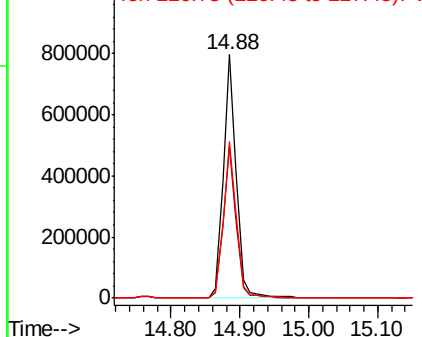


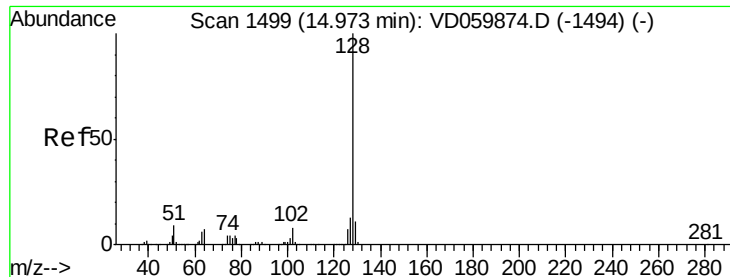
Abundance

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





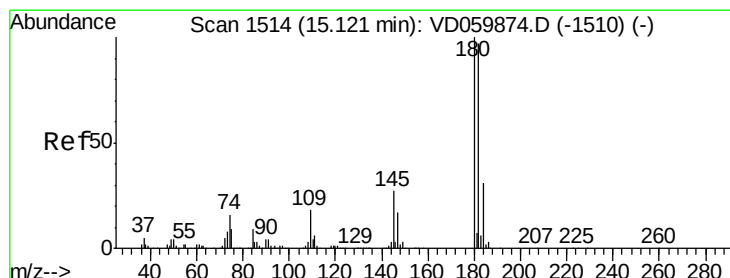
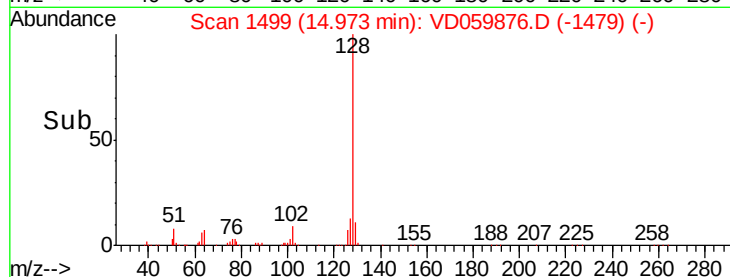
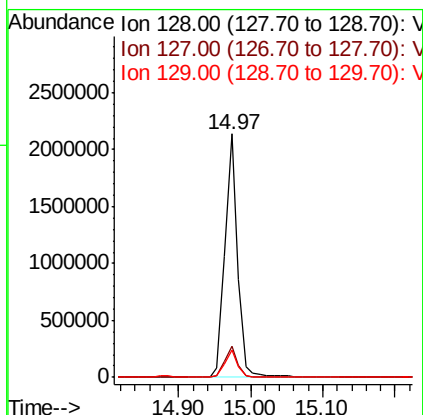
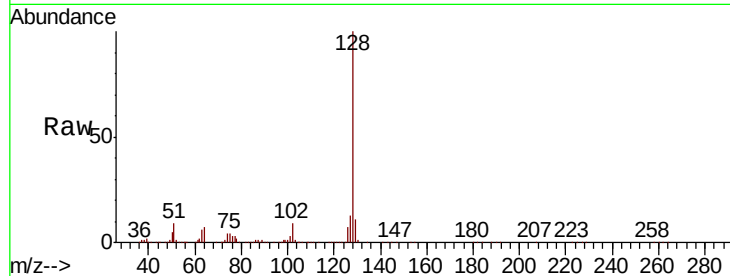
#95
Naphthalene
Concen: 100.87 ug/l
RT: 14.97 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	11.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 99.17 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.6	145.8
145	26.8	13.6	40.8

