

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082118\
 Data File : VD059856.D
 Acq On : 21 Aug 2018 15:25
 Operator : JC/SY
 Sample : J4511-11MSD
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Manual Integrations
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 8/22/2018 12:42:48 PM

Quant Time: Aug 22 01:32:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	789385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1130349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	770716	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	256061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	356382	56.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	5.51	113	456295	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	8.68	98	1113270	49.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.90	95	332822	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	388200	57.100	ug/l	98
3) Chloromethane	1.45	50	305621	53.062	ug/l	96
4) Vinyl Chloride	1.53	62	260177	56.366	ug/l	98
5) Bromomethane	1.77	94	48450	79.875	ug/l	95
6) Chloroethane	1.86	64	78367	75.040	ug/l	96
7) Trichlorofluoromethane	2.05	101	282883	60.875	ug/l	99
8) Diethyl Ether	2.31	74	64935	62.515	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.53	101	167426	56.651	ug/l	95
10) Methyl Iodide	2.65	142	186225	54.594	ug/l	96
11) Tert butyl alcohol	3.21	59	82633	353.832	ug/l	96
12) 1,1-Dichloroethene	2.52	96	138008	67.860	ug/l	83
13) Acrolein	2.44	56	5416	23.620	ug/l	90
14) Allyl chloride	2.88	41	341347	55.231	ug/l	98
15) Acrylonitrile	3.31	53	321088	297.048	ug/l	98
16) Acetone	2.58	43	589387	556.612	ug/l	99
17) Carbon Disulfide	2.72	76	389906	49.900	ug/l	98
18) Methyl Acetate	2.90	43	336728	162.152	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	837534	61.313	ug/l	100
20) Methylene Chloride	3.03	84	157382	61.667	ug/l	97
21) trans-1,2-Dichloroethene	3.34	96	334922	51.756	ug/l	98
22) Diisopropyl ether	4.02	45	1919203	60.792	ug/l #	87
23) Vinyl Acetate	3.97	43	3171919	187.035	ug/l	100
24) 1,1-Dichloroethane	3.92	63	797487	57.444	ug/l	99
25) 2-Butanone	4.79	43	1086986	339.615	ug/l	97
26) 2,2-Dichloropropane	4.75	77	592120	54.359	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	467381	56.564	ug/l	98
28) Bromochloromethane	5.10	49	402749	57.251	ug/l	94
29) Tetrahydrofuran	5.13	42	533031	328.915	ug/l	99
30) Chloroform	5.28	83	769471	56.161	ug/l	100
31) Cyclohexane	5.55	56	484420	41.433	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	627489	54.350	ug/l	97
36) 1,1-Dichloropropene	5.70	75	473369	49.380	ug/l	99
37) Ethyl Acetate	4.88	43	422921	59.514	ug/l	99
38) Carbon Tetrachloride	5.68	117	489752	51.188	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	304744	29.721	ug/l	97
40) Benzene	5.97	78	1429760	57.567	ug/l	100
41) Methacrylonitrile	5.07	41	224931	61.786	ug/l	97
42) 1,2-Dichloroethane	6.09	62	492966	60.955	ug/l	99
43) Isopropyl Acetate	7.57	43	543762	55.323	ug/l	100
44) Trichloroethene	6.94	130	383122	51.867	ug/l	98
45) 1,2-Dichloropropane	7.31	63	423140	58.020	ug/l	99
46) Dibromomethane	7.43	93	272674	60.050	ug/l	90
47) Bromodichloromethane	7.70	83	570835	56.939	ug/l	100
48) Methyl methacrylate	7.47	41	356206	65.709	ug/l	98
49) 1,4-Dioxane	7.45	88	68602	1495.408	ug/l	95
51) 4-Methyl-2-Pentanone	8.56	43	2355965	358.529	ug/l	99
52) Toluene	8.76	92	826633	52.636	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	499774	54.725	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	609502	55.728	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	334017	58.917	ug/l	97
56) Ethyl methacrylate	9.28	69	393178	60.144	ug/l	99
57) 1,3-Dichloropropane	9.63	76	480274	57.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	969742	278.856	ug/l	96
59) 2-Hexanone	9.75	43	1677349	345.335	ug/l	99
60) Dibromochloromethane	9.93	129	405604	55.561	ug/l	98
61) 1,2-Dibromoethane	10.05	107	348399	57.512	ug/l	98
64) Tetrachloroethene	9.47	164	285881	50.661	ug/l	99
65) Chlorobenzene	10.69	112	813277	54.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	332644	65.569	ug/l	99
67) Ethyl Benzene	10.83	91	1309911	54.889	ug/l	99
68) m/p-Xylenes	10.99	106	951105	107.688	ug/l	100
69) o-Xylene	11.38	106	481468	55.900	ug/l	95
70) Styrene	11.41	104	768953	51.270	ug/l	95
71) Bromoform	11.58	173	287507	63.064	ug/l #	98
73) Isopropylbenzene	11.75	105	1079940	61.887	ug/l	99
74) N-amyl acetate	11.62	43	516277	66.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	378607	92.047	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	382665	90.331	ug/l	100
77) Bromobenzene	12.02	156	332439	68.539	ug/l	83
78) n-propylbenzene	12.13	91	1189399	54.876	ug/l	99
79) 2-Chlorotoluene	12.19	91	704424	56.453	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	748038	60.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	116537	88.000	ug/l	91
82) 4-Chlorotoluene	12.31	91	758090	64.031	ug/l	91
83) tert-Butylbenzene	12.55	119	782093m	56.816	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	805689	56.110	ug/l	99
85) sec-Butylbenzene	12.73	105	772669	42.323	ug/l	98
86) p-Isopropyltoluene	12.87	119	611526	42.701	ug/l	96
87) 1,3-Dichlorobenzene	12.82	146	406240	49.751	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	426627	52.711	ug/l	99
89) n-Butylbenzene	13.17	91	478101	33.432	ug/l	97
90) Hexachloroethane	13.38	117	167476	40.987	ug/l	90
91) 1,2-Dichlorobenzene	13.17	146	372640	63.421	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	46776	76.398	ug/l	88

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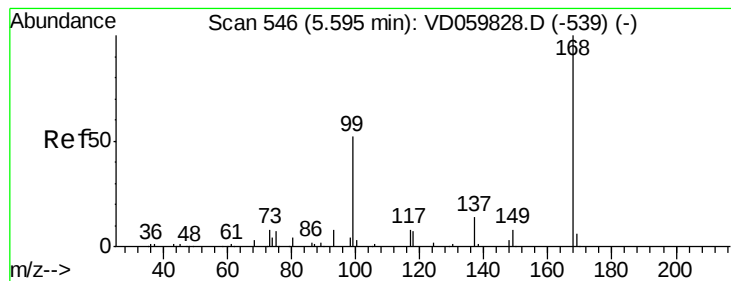
Manual Integrations
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8/22/2018 12:42:48 PM

Quant Time: Aug 22 01:32:42 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	156120	26.630	ug/l	96
94) Hexachlorobutadiene	14.41	225	73698	18.686	ug/l	96
95) Naphthalene	14.49	128	421771	44.039	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	127371	24.791	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:168 Resp: 789385

Ion Ratio Lower Upper

168 100

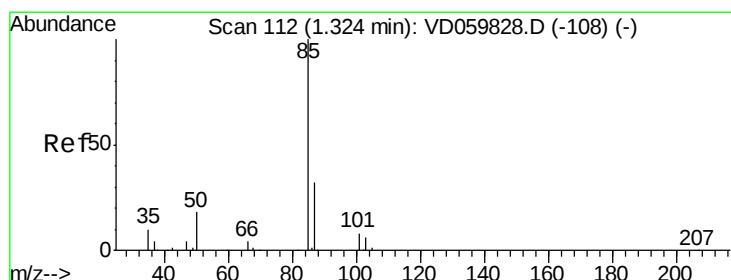
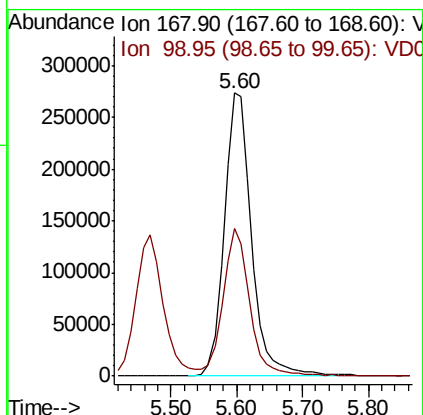
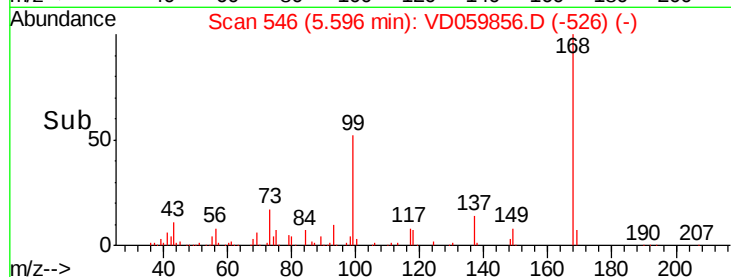
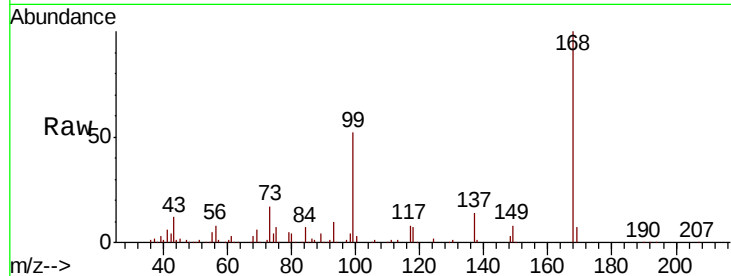
99 52.2 43.6 65.4

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#2

Dichlorodifluoromethane

Concen: 57.100 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059856.D

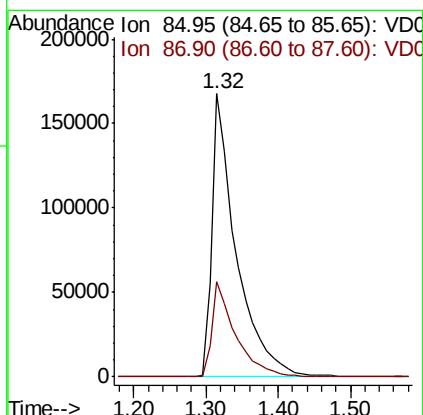
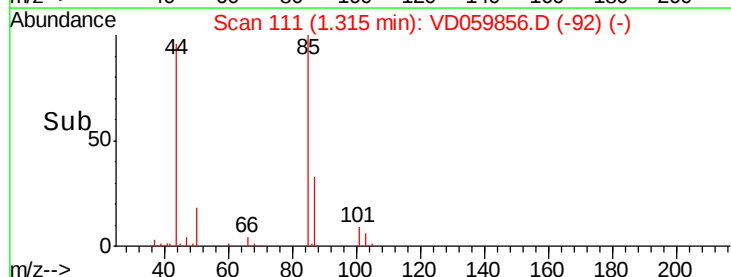
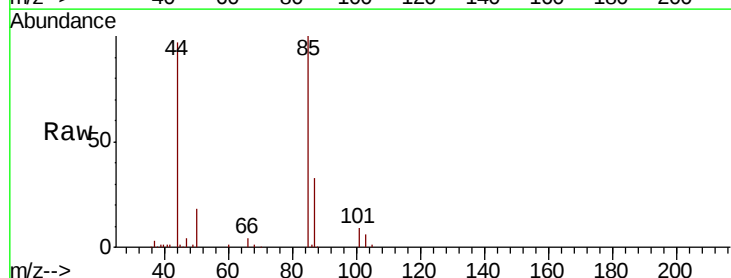
Acq: 21 Aug 2018 15:25

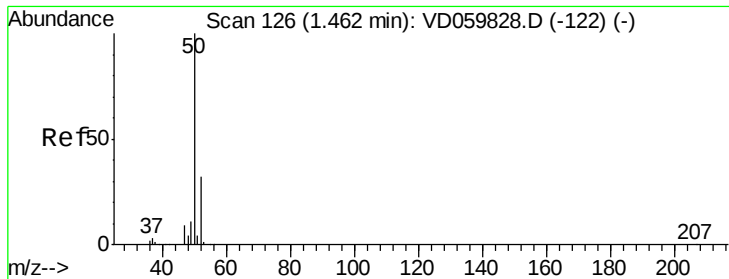
Tgt Ion: 85 Resp: 388200

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3





#3

Chloromethane

Concen: 53.062 ug/l

RT: 1.45 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 50 Resp: 305621

Ion Ratio Lower Upper

50 100

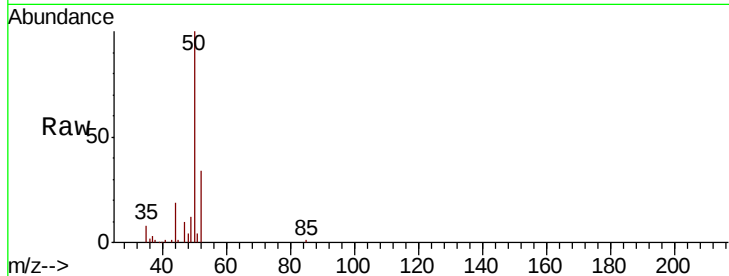
52 34.0 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.45

120000

100000

80000

60000

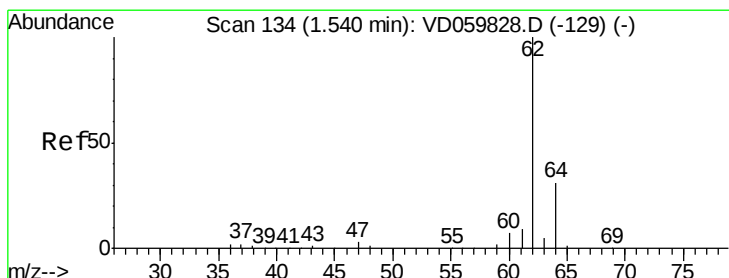
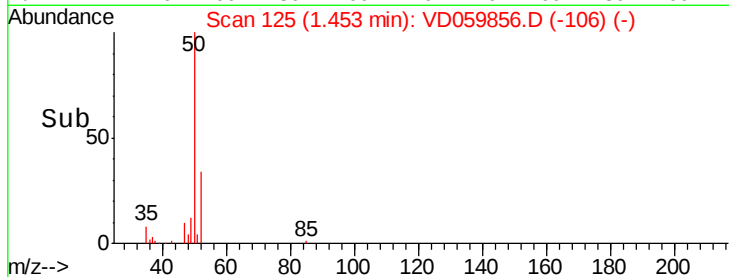
40000

20000

0

1.40 1.50 1.60

Time-->



#4

Vinyl Chloride

Concen: 56.366 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059856.D

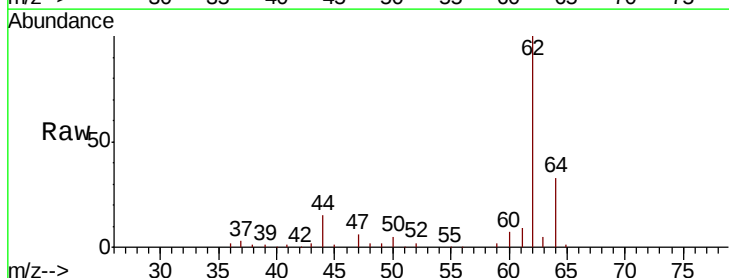
Acq: 21 Aug 2018 15:25

Tgt Ion: 62 Resp: 260177

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

150000

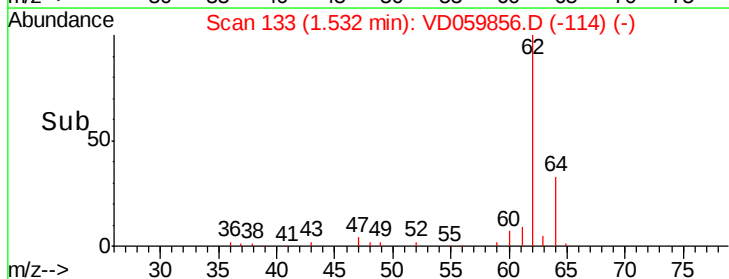
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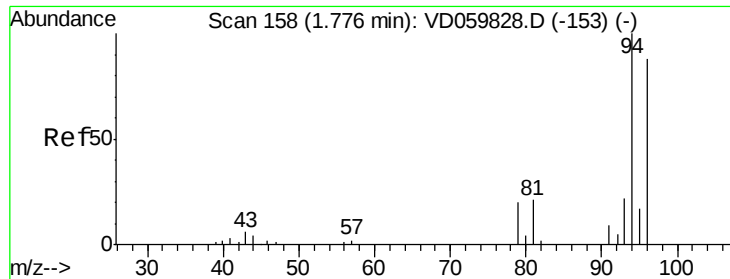
50000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 79.875 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

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RA-081518-FL-031MSD

Tgt Ion: 94 Resp: 48450

Ion Ratio Lower Upper

94 100

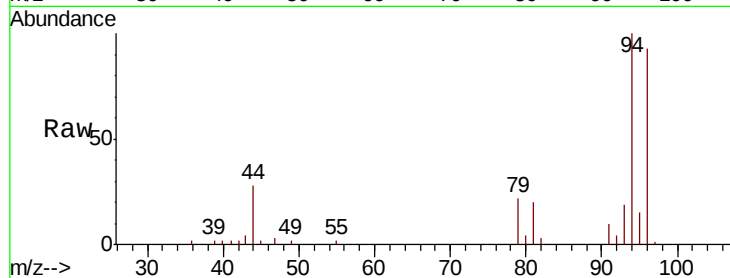
96 93.4 70.8 106.2

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

1.77

25000

20000

15000

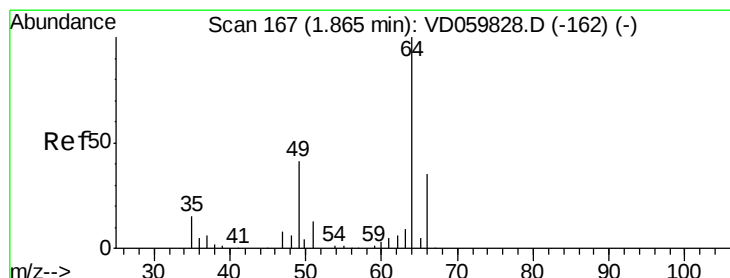
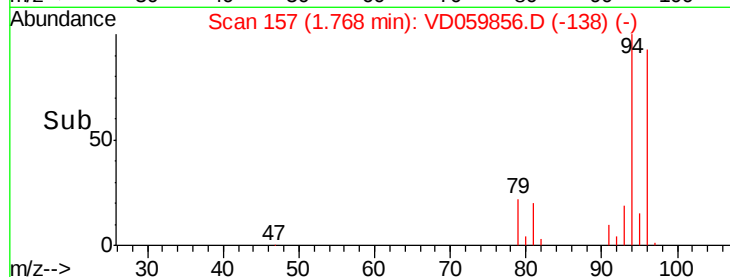
10000

5000

0

Time-->

1.70 1.80 1.90



#6

Chloroethane

Concen: 75.040 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059856.D

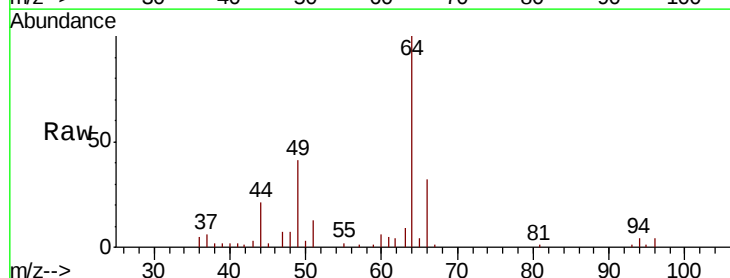
Acq: 21 Aug 2018 15:25

Tgt Ion: 64 Resp: 78367

Ion Ratio Lower Upper

64 100

66 32.4 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

40000

30000

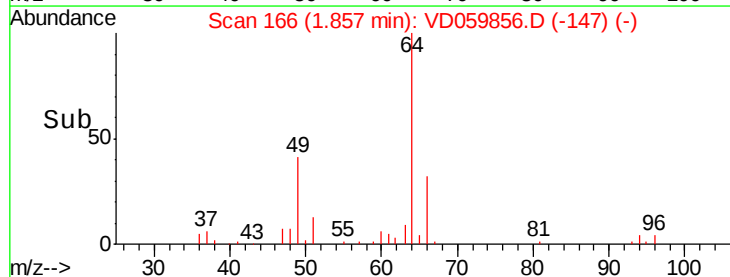
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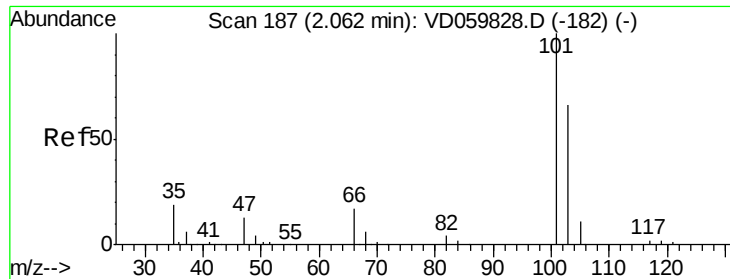
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Time-->

1.70 1.80 1.90 2.00 2.10





#7

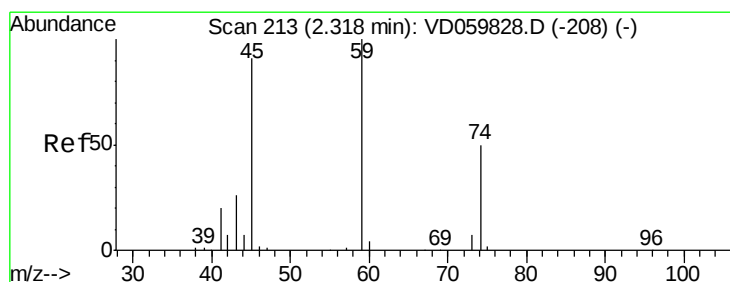
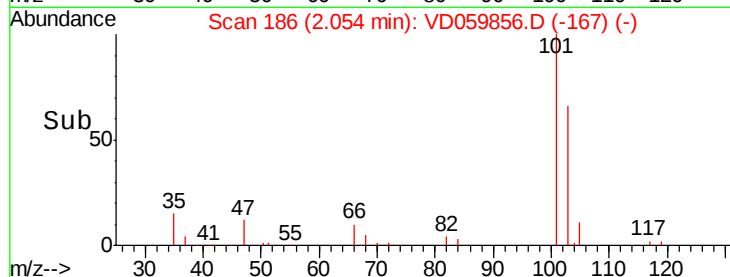
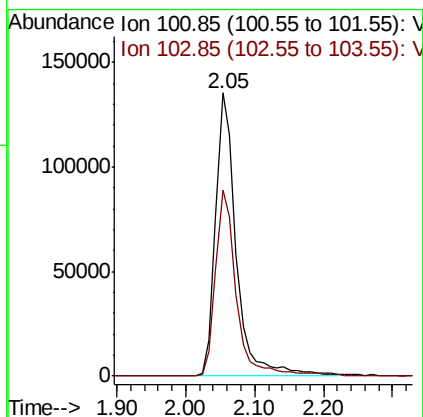
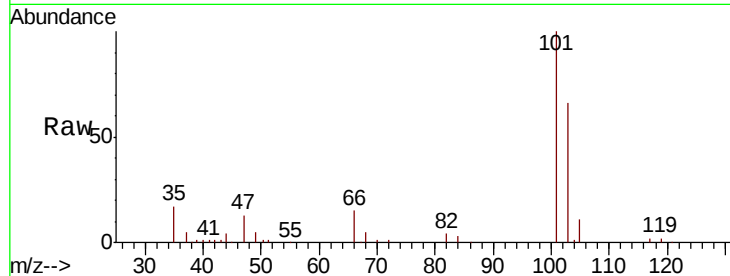
Trichlorofluoromethane
Concen: 60.875 ug/l
RT: 2.05 min Scan# 186
Delta R.T. -0.01 min
Lab File: VD059856.D
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RA-081518-FL-031MSD

Tgt Ion: 101 Resp: 282883
Ion Ratio Lower Upper
101 100
103 65.6 53.0 79.4

Manual Integrations
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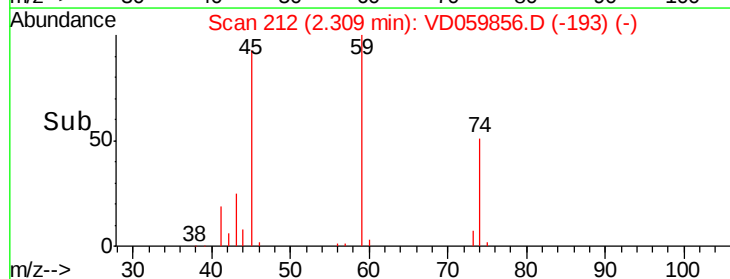
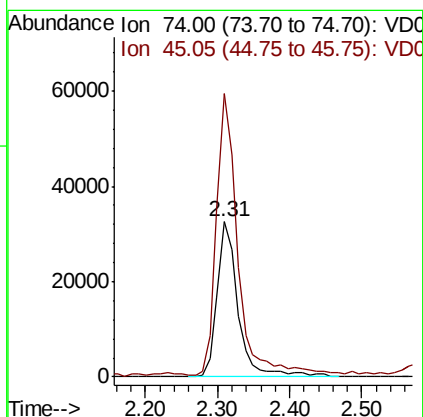
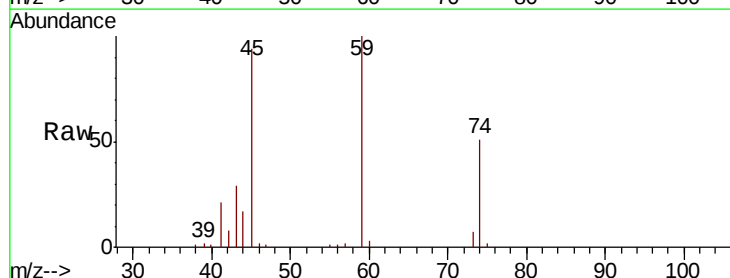
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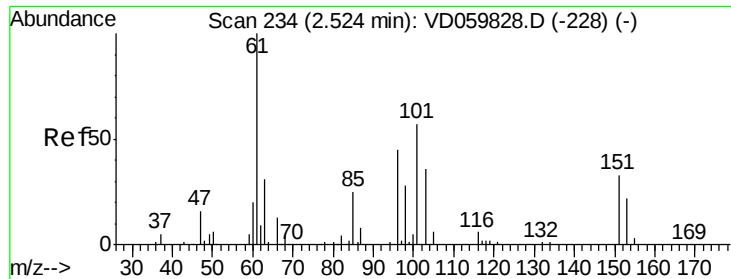


#8

Diethyl Ether
Concen: 62.515 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 74 Resp: 64935
Ion Ratio Lower Upper
74 100
45 182.6 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.651 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

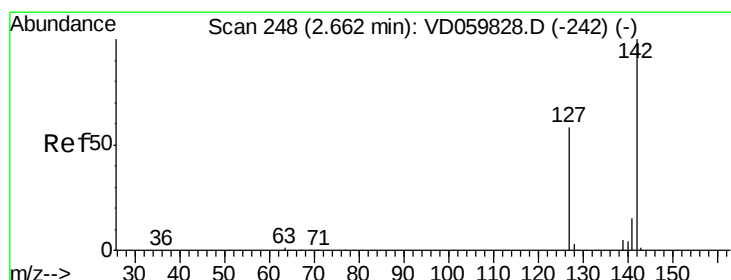
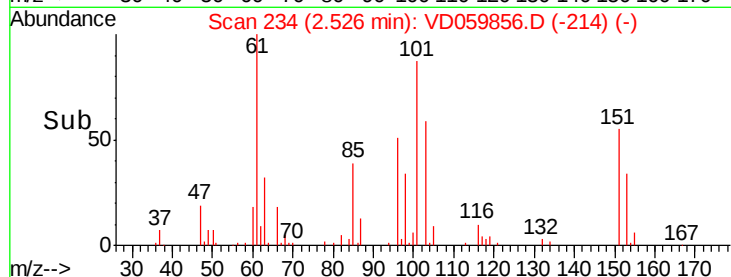
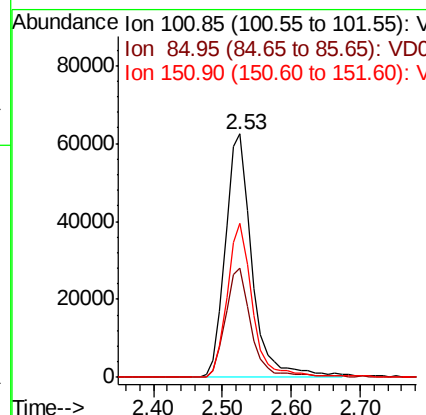
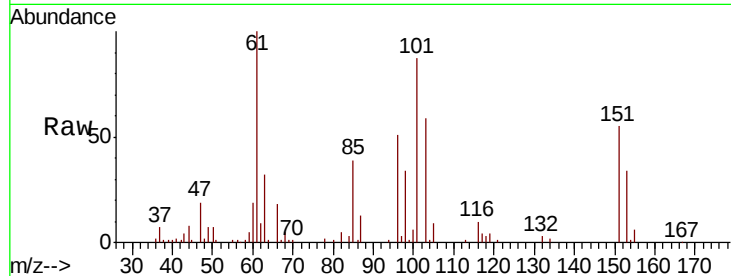
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	101	Resp:	167426
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.7	53.5
151	63.2	45.8	68.6

Manual Integrations
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#10

Methyl Iodide

Concen: 54.594 ug/l

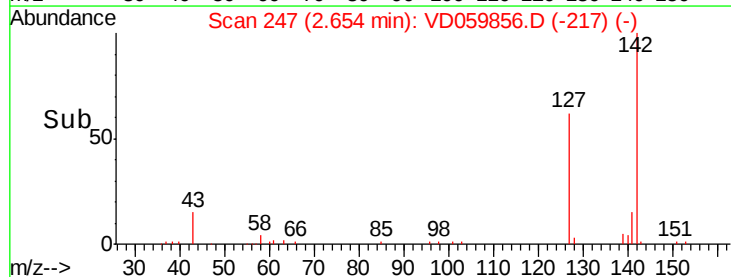
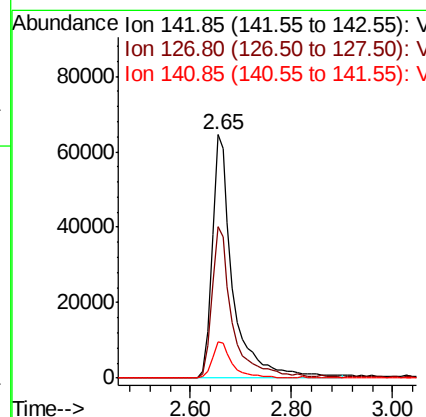
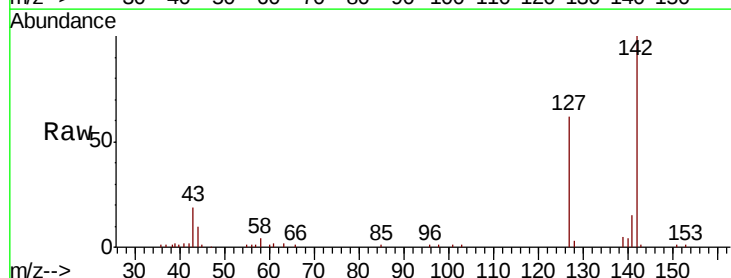
RT: 2.65 min Scan# 247

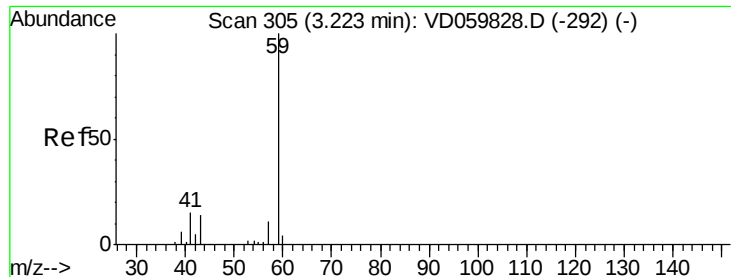
Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	142	Resp:	186225
Ion Ratio	Lower	Upper	
142	100		
127	62.0	46.6	69.8
141	14.7	11.7	17.5





#11

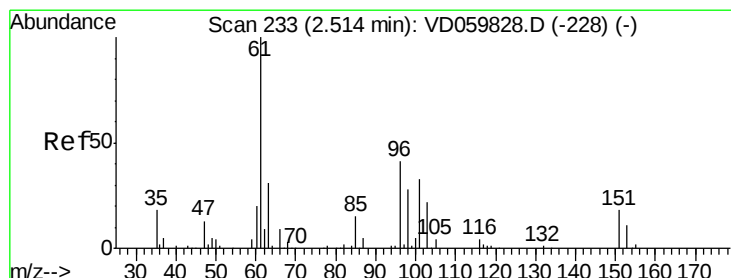
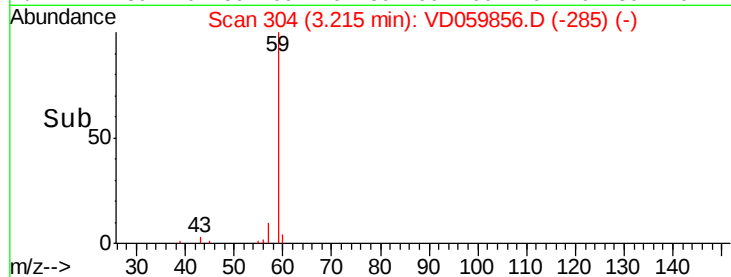
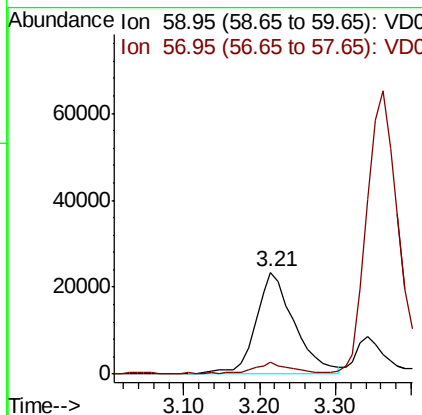
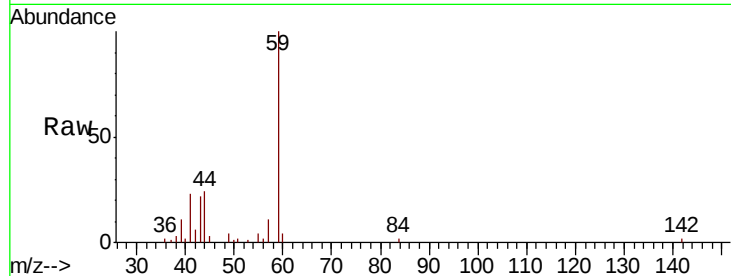
Tert butyl alcohol
Concen: 353.832 ug/l
RT: 3.21 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 59 Resp: 82633
Ion Ratio Lower Upper
59 100
57 11.4 10.3 15.5

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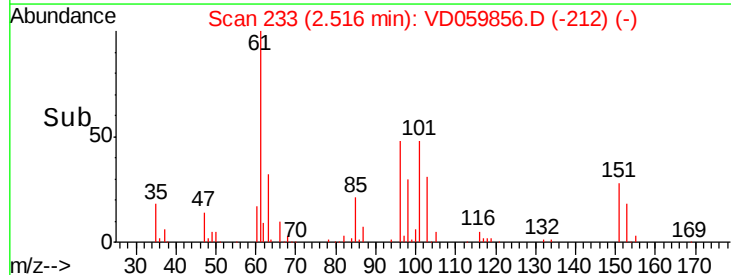
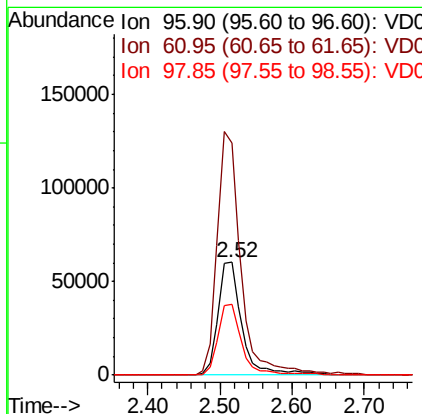
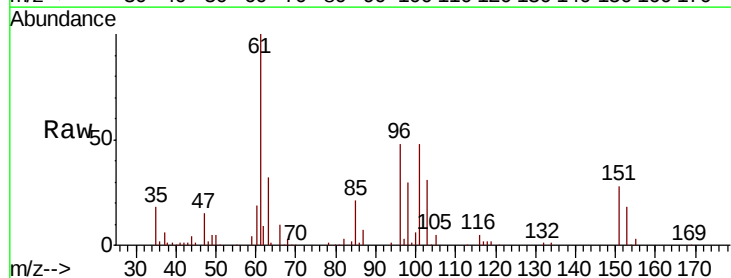
apatel
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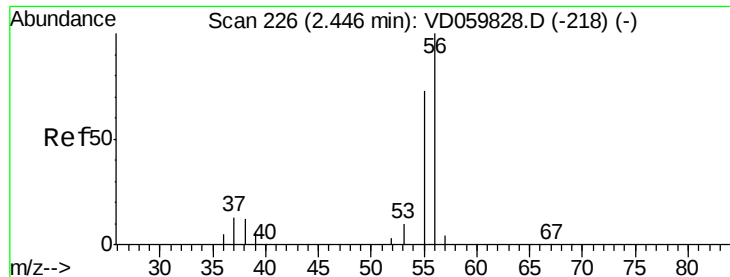


#12

1,1-Dichloroethene
Concen: 67.860 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 96 Resp: 138008
Ion Ratio Lower Upper
96 100
61 206.8 194.0 291.0
98 63.0 53.4 80.0





#13

Acrolein

Concen: 23.620 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 56 Resp: 5416

Ion Ratio Lower Upper

56 100

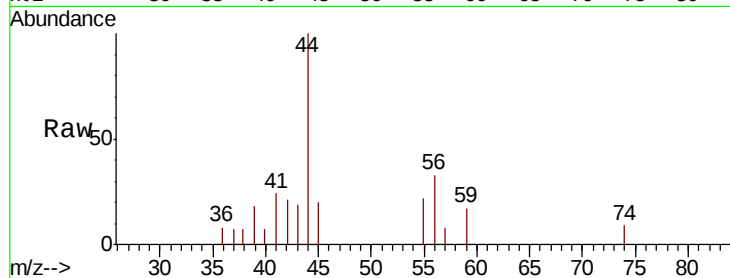
55 67.3 60.4 90.6

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2000

1500

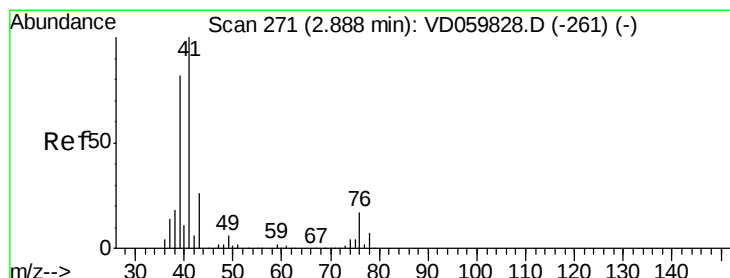
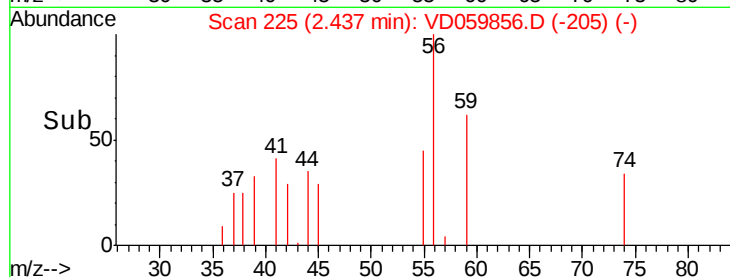
1000

500

0

Time-->

2.35 2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 55.231 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

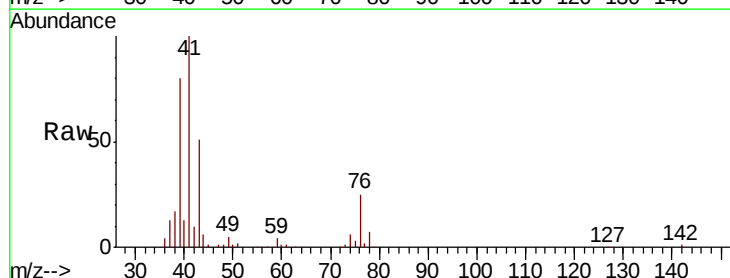
Tgt Ion: 41 Resp: 341347

Ion Ratio Lower Upper

41 100

39 80.3 65.9 98.9

76 25.2 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

200000

150000

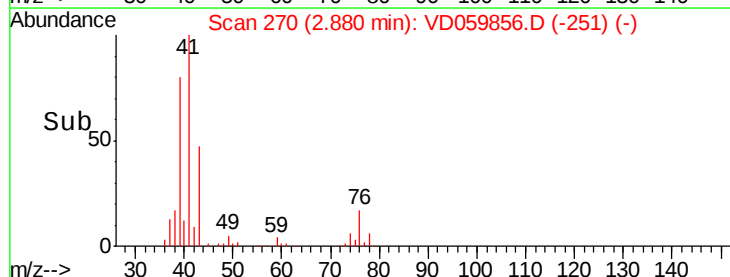
100000

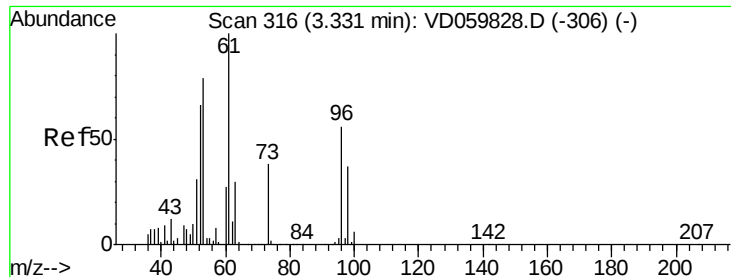
50000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 297.048 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.02 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

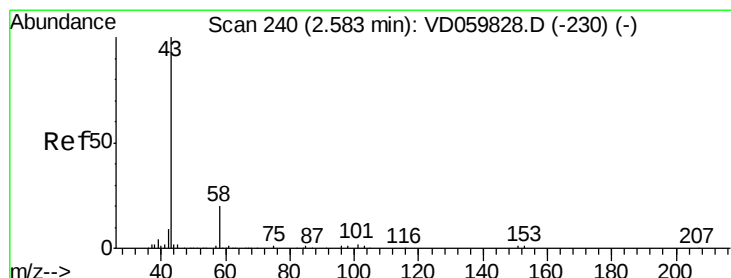
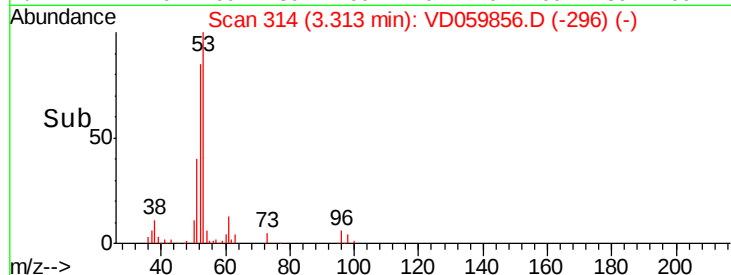
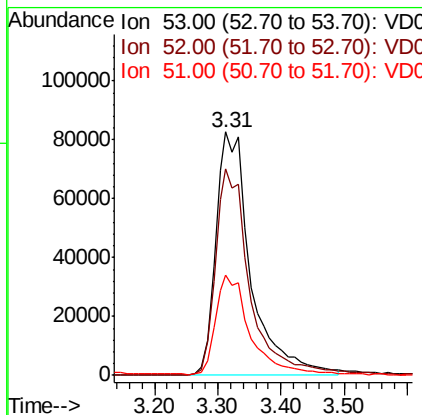
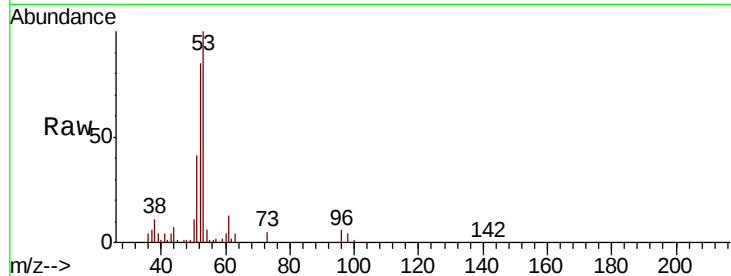
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	53	Resp:	321088
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.8	100.2
51	41.0	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 556.612 ug/l

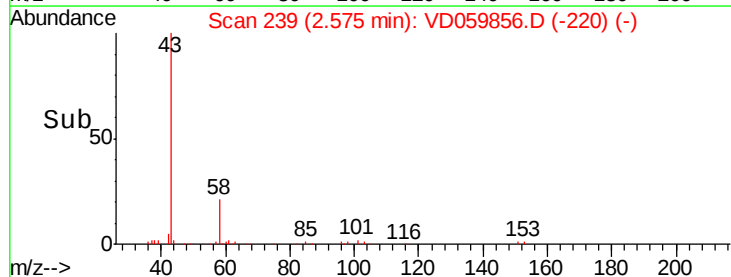
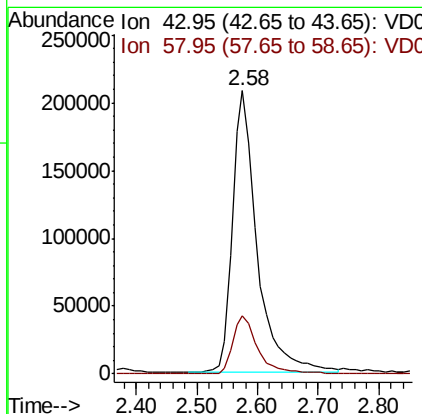
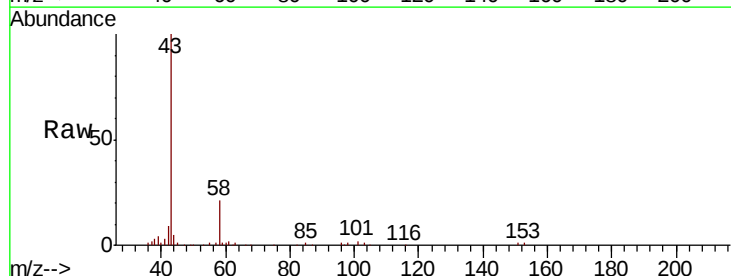
RT: 2.58 min Scan# 239

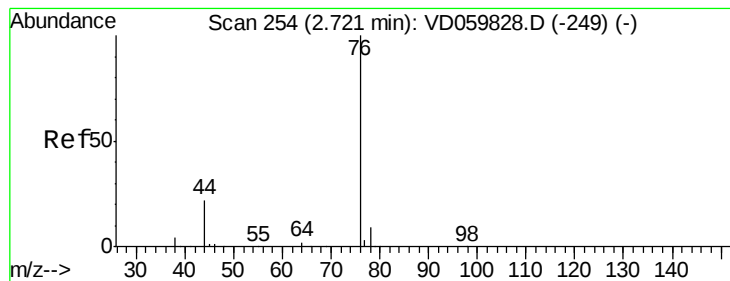
Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	43	Resp:	589387
Ion	Ratio	Lower	Upper
43	100		
58	20.7	16.2	24.2





#17

Carbon Disulfide

Concen: 49.900 ug/l

RT: 2.72 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 76 Resp: 389906

Ion Ratio Lower Upper

76 100

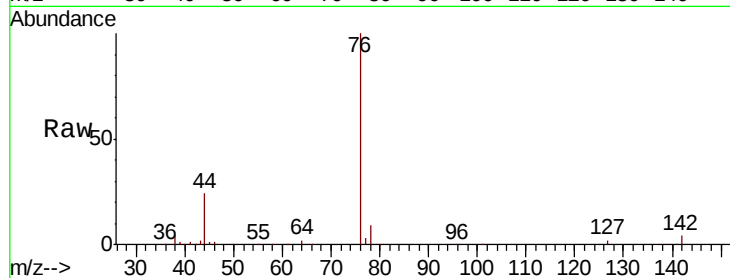
78 9.5 7.0 10.6

Manual Integrations

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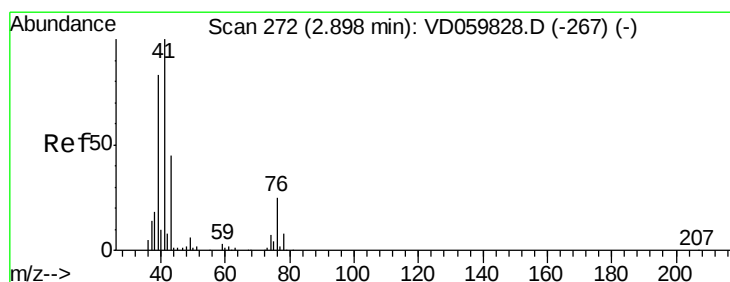
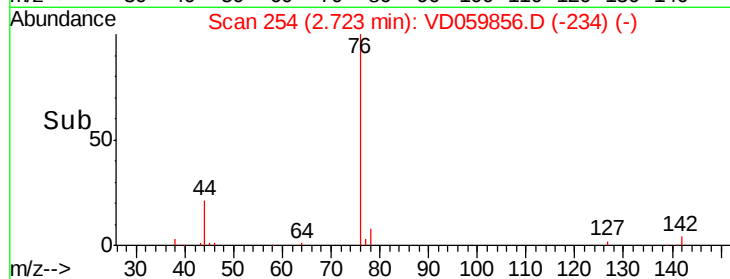
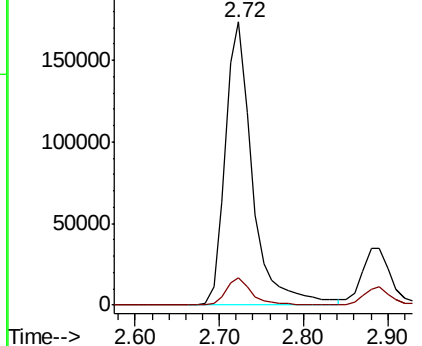
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 162.152 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059856.D

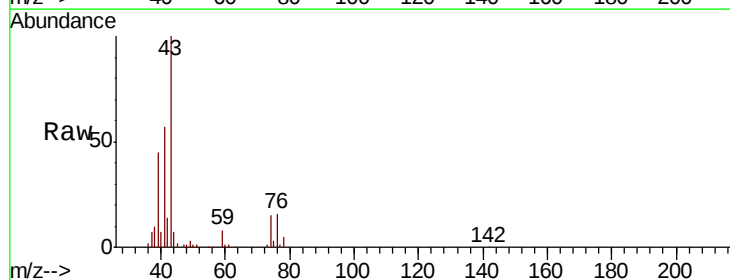
Acq: 21 Aug 2018 15:25

Tgt Ion: 43 Resp: 336728

Ion Ratio Lower Upper

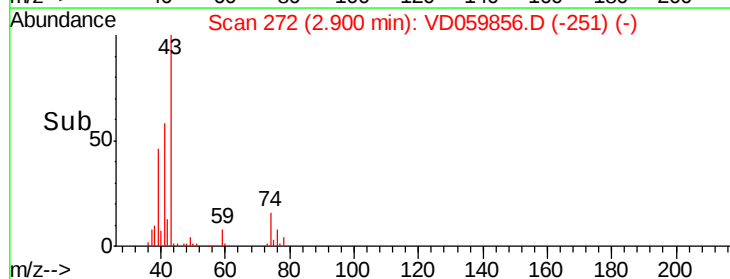
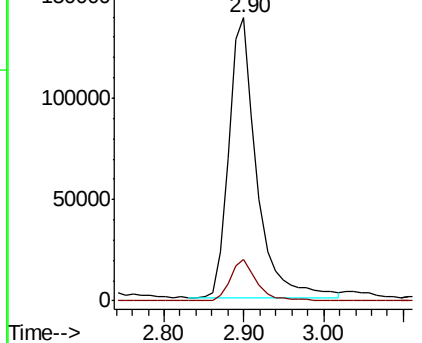
43 100

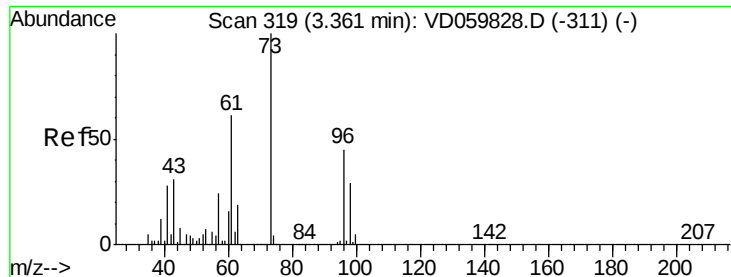
74 14.9 11.4 17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





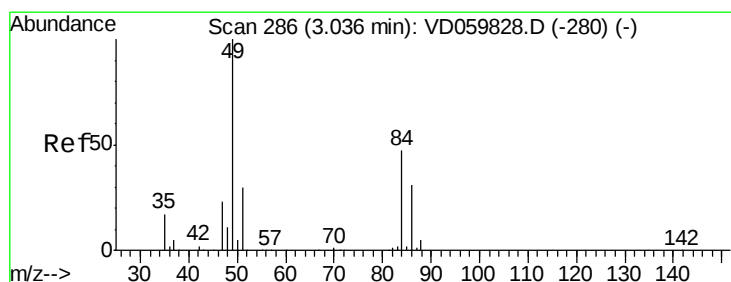
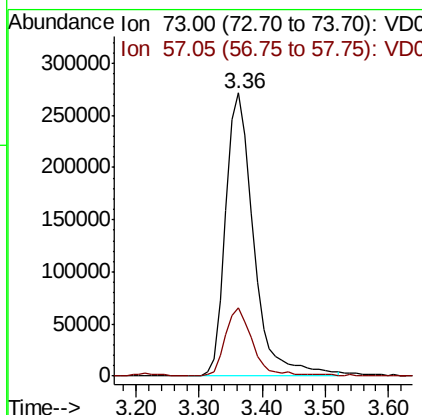
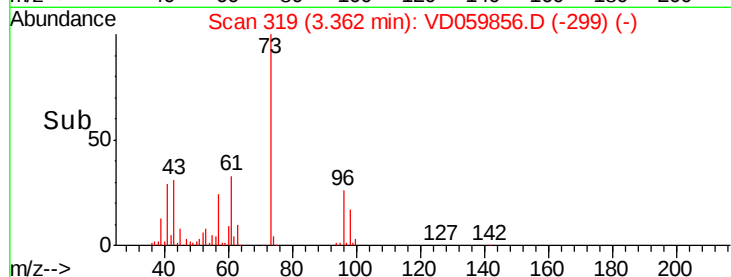
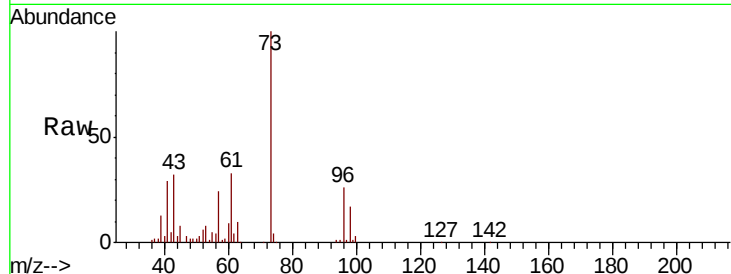
#19
Methyl tert-butyl Ether
Concen: 61.313 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 73 Resp: 837534
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.0

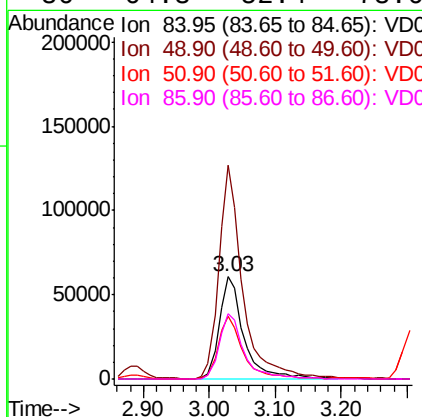
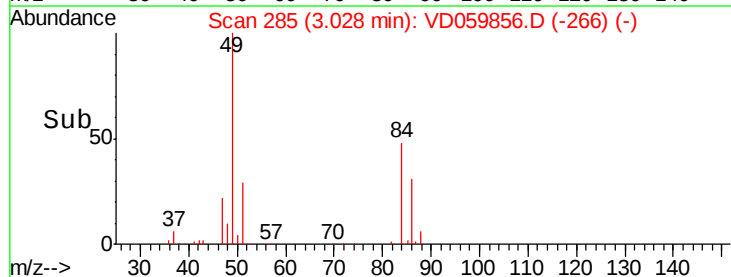
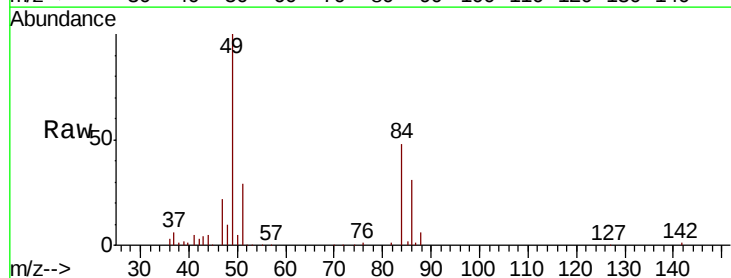
Manual Integrations
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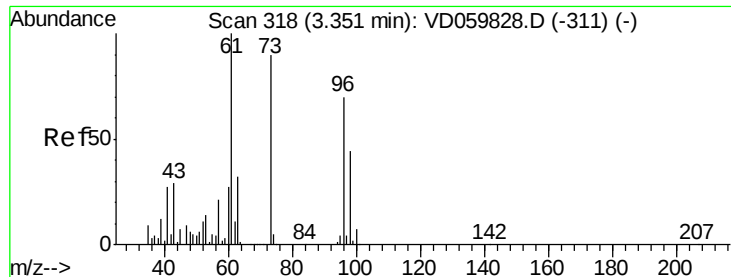
apatel
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#20
Methylene Chloride
Concen: 61.667 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 84 Resp: 157382
Ion Ratio Lower Upper
84 100
49 209.0 170.4 255.6
51 61.5 51.4 77.0
86 64.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.756 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

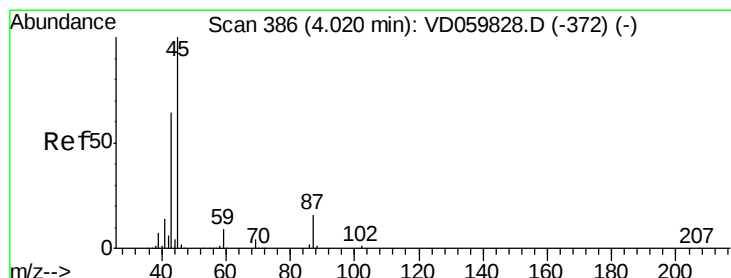
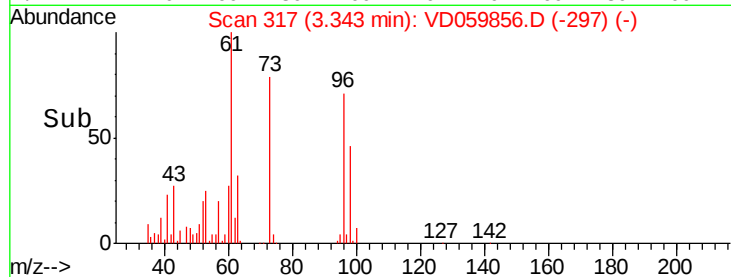
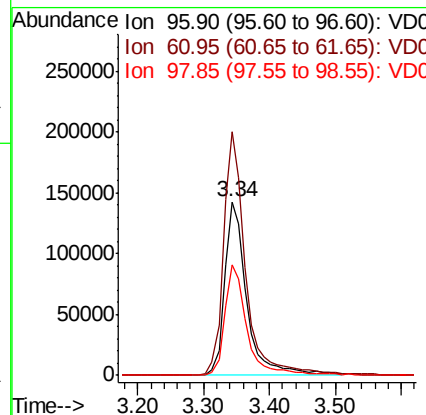
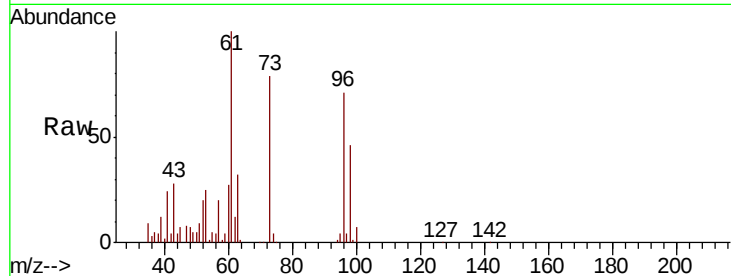
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	96	Resp:	334922
Ion	Ratio	Lower	Upper
96	100		
61	140.1	114.1	171.1
98	63.9	50.1	75.1

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#22

Diisopropyl ether

Concen: 60.792 ug/l

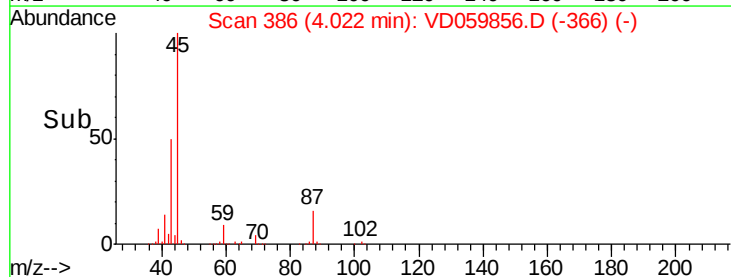
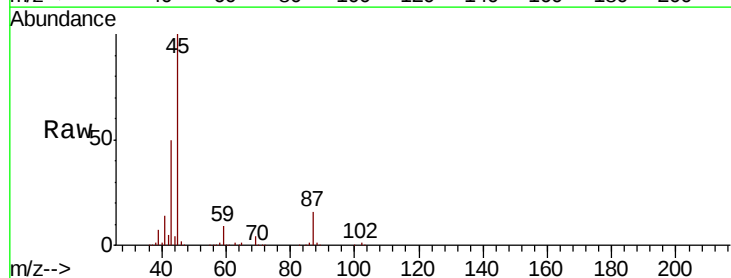
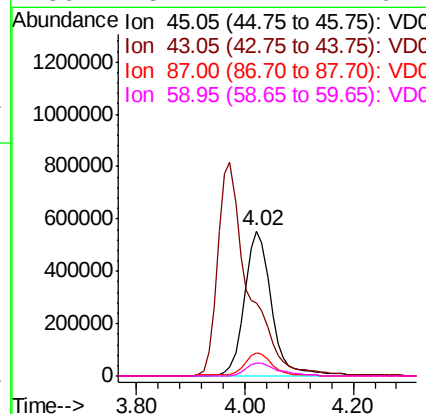
RT: 4.02 min Scan# 386

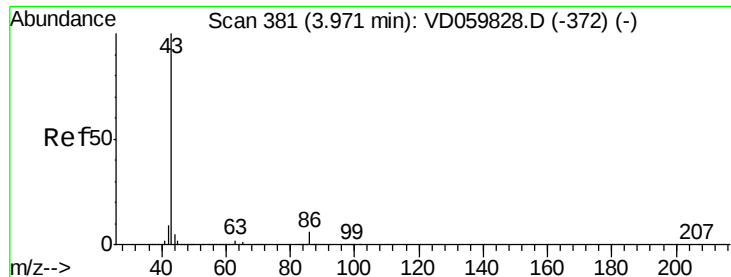
Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	45	Resp:	1919203
Ion	Ratio	Lower	Upper
45	100		
43	50.1	51.1	76.7#
87	15.9	12.5	18.7
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 187.035 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 3171919

Ion Ratio Lower Upper

43 100

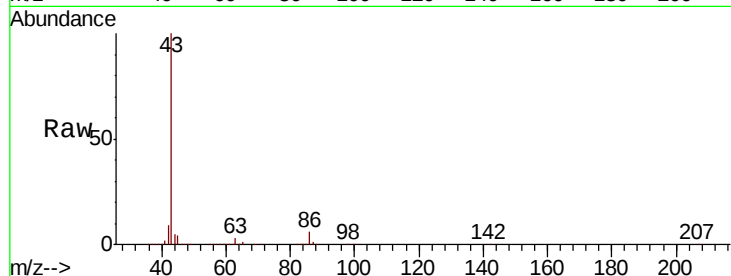
86 5.8 4.6 7.0

Manual Integrations

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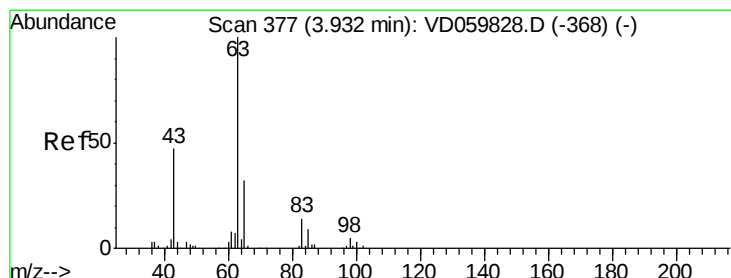
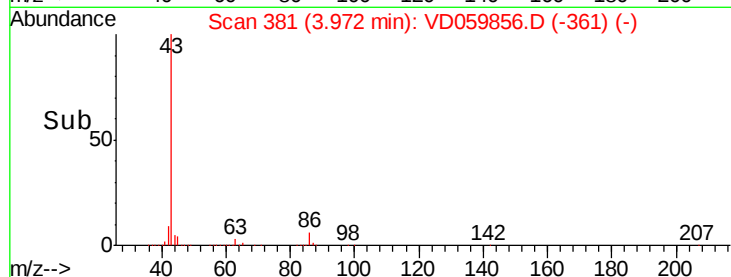
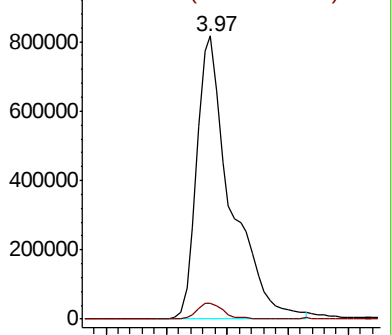
apatel

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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: 57.444 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

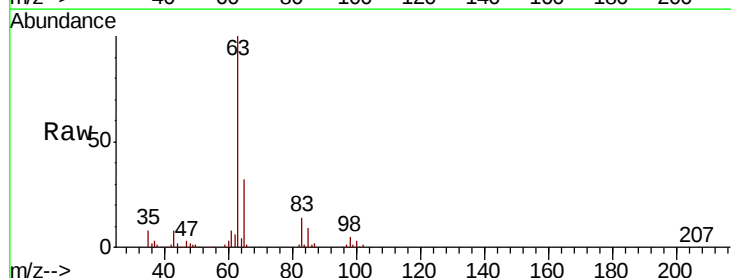
Tgt Ion: 63 Resp: 797487

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.6

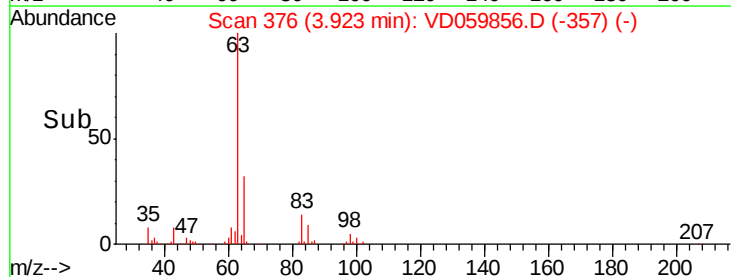
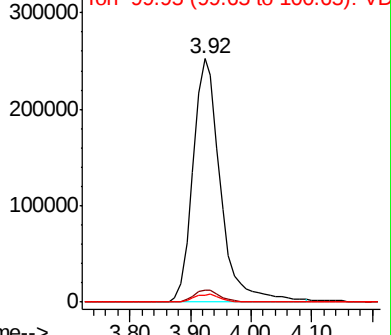
100 3.0 1.7 5.0

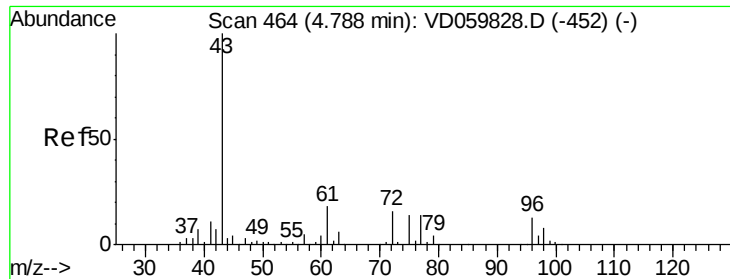


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 339.615 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 1086986

Ion Ratio Lower Upper

43 100

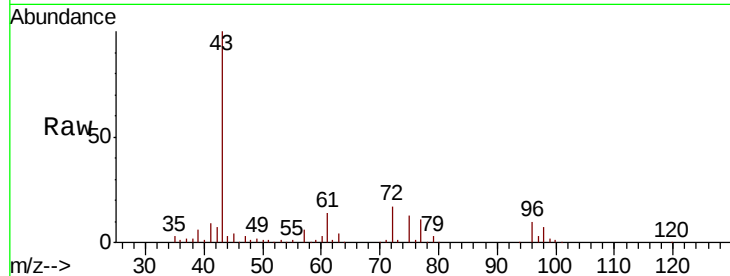
72 17.0 12.4 18.6

Manual Integrations

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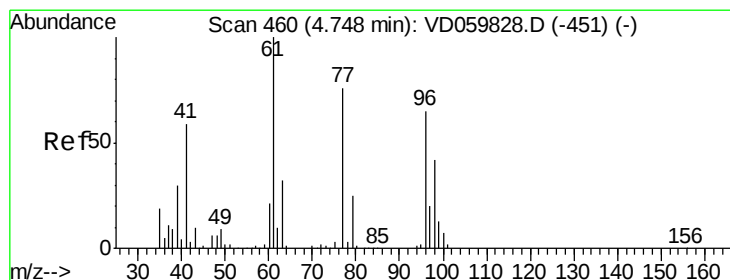
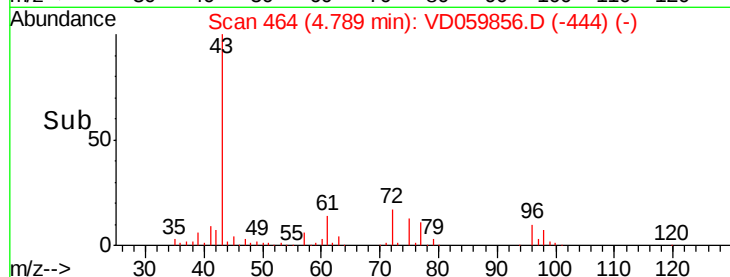
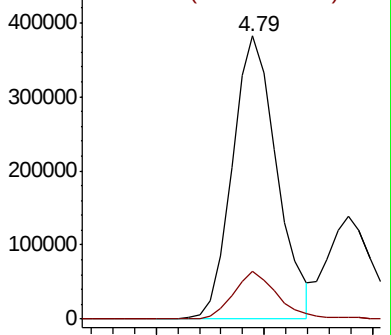
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.359 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059856.D

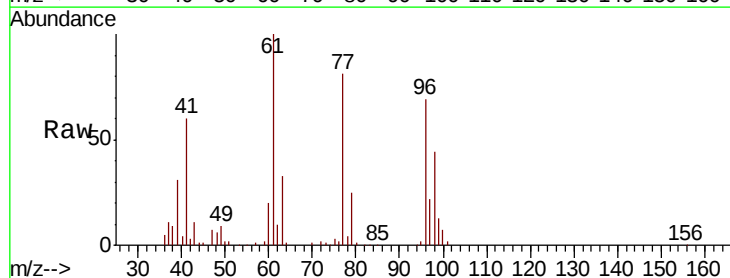
Acq: 21 Aug 2018 15:25

Tgt Ion: 77 Resp: 592120

Ion Ratio Lower Upper

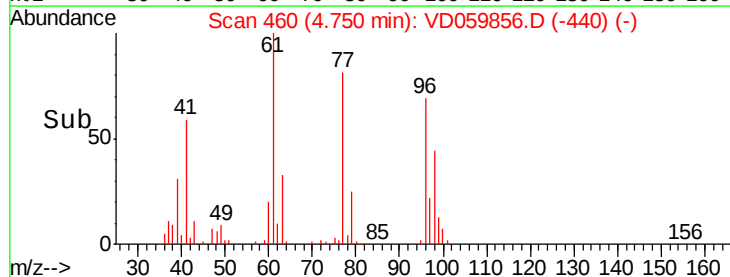
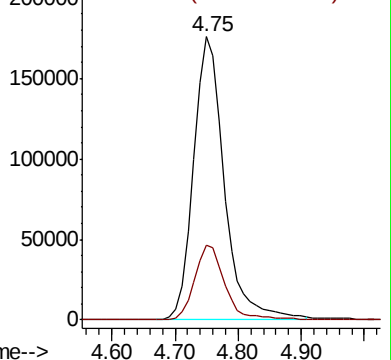
77 100

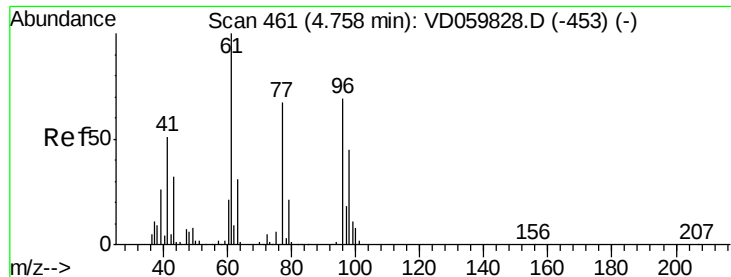
97 26.6 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

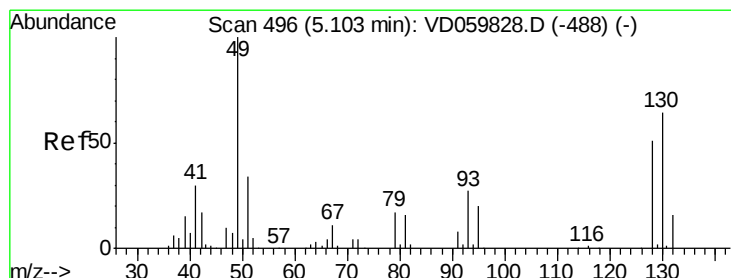
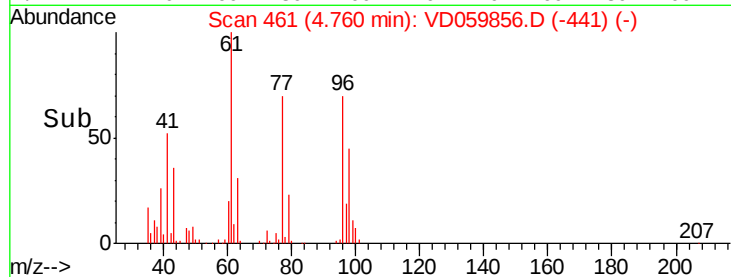
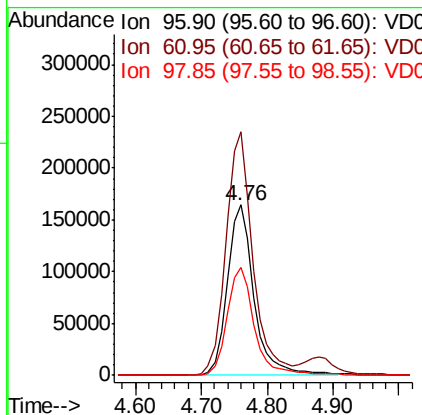
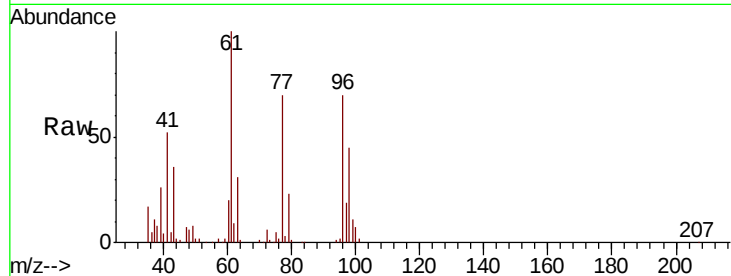
cis-1,2-Dichloroethene
 Concen: 56.564 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	467381		
61	143.0	0.0	291.8	
98	63.8	0.0	131.6	

Manual Integrations
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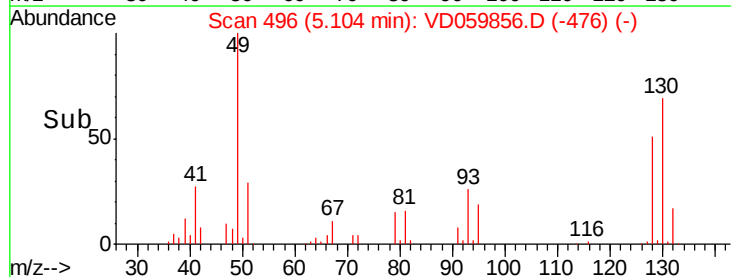
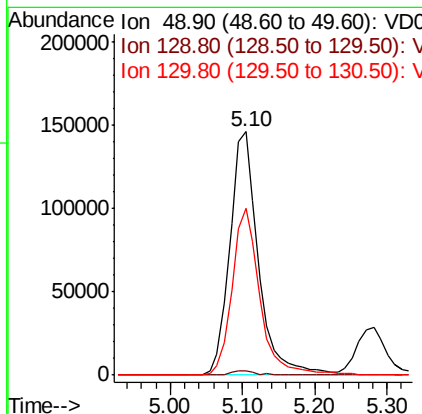
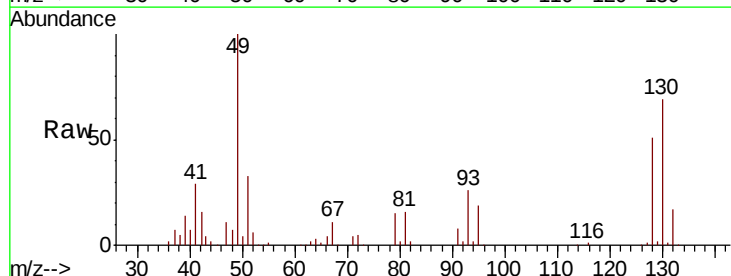
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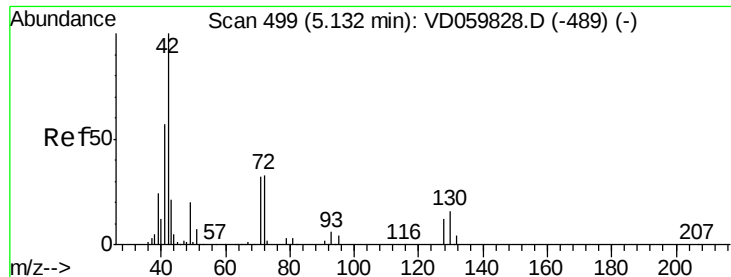


#28

Bromochloromethane
 Concen: 57.251 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	402749		
129	1.7	0.0	3.8	
130	68.5	51.0	76.6	





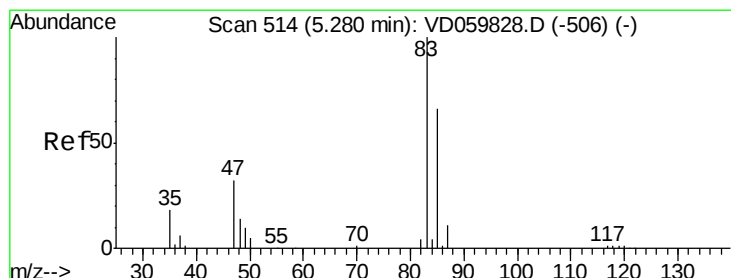
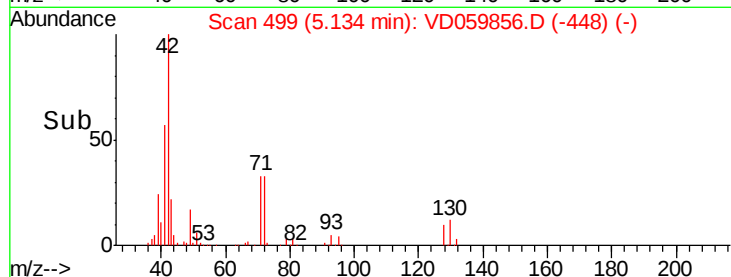
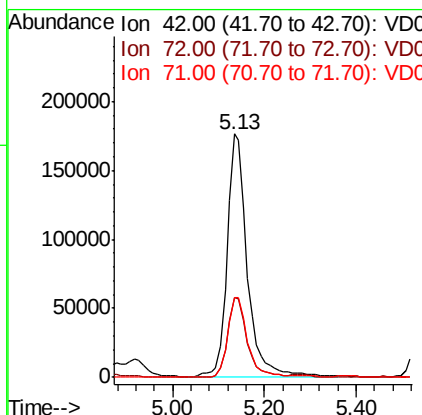
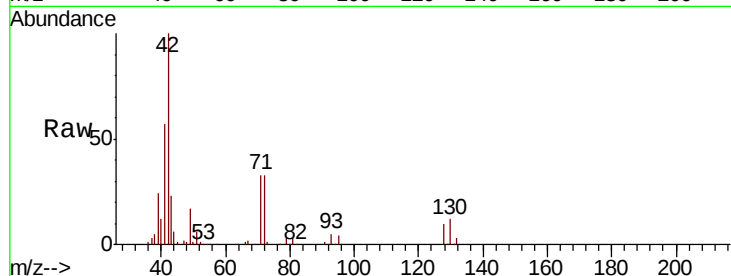
#29
Tetrahydrofuran
Concen: 328.915 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	32.3	25.8	38.6
71	32.6	25.7	38.5

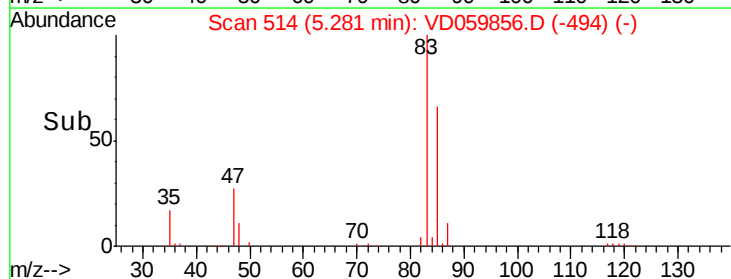
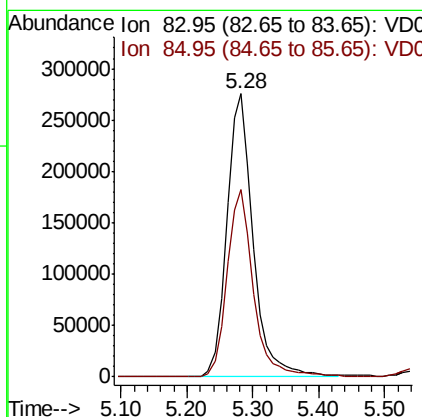
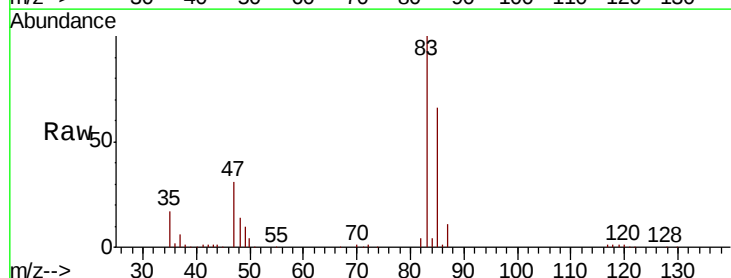
Manual Integrations
APPROVED

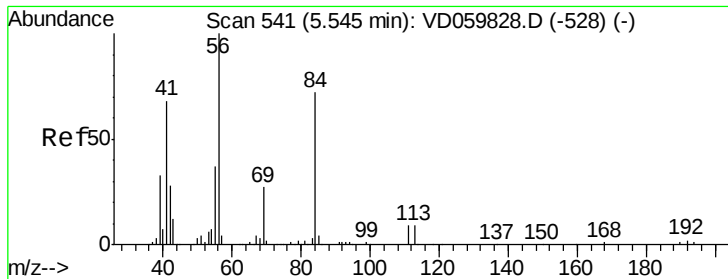
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#30
Chloroform
Concen: 56.161 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.9	79.3





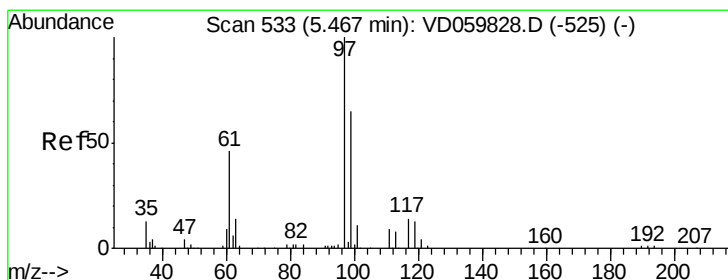
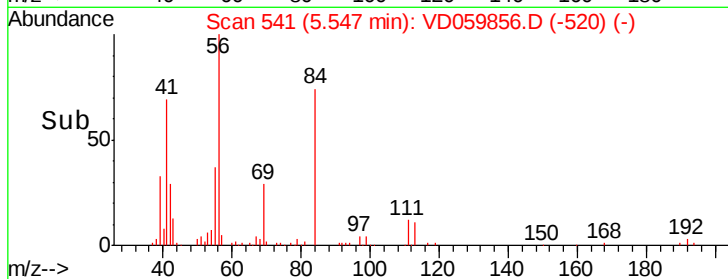
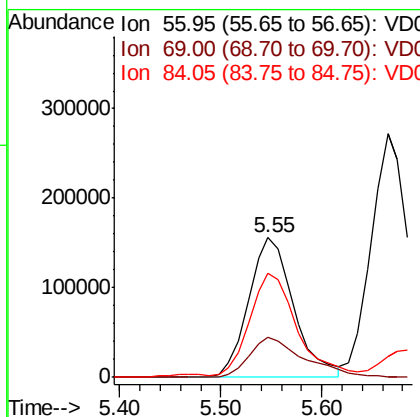
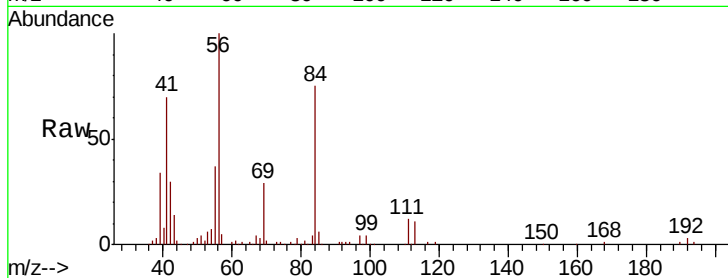
#31
Cyclohexane
Concen: 41.433 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	21.7	32.5
84	74.6	57.8	86.6

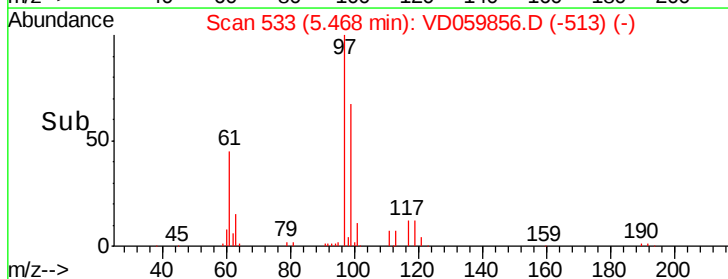
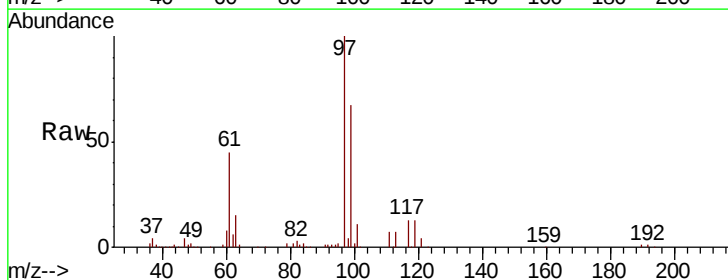
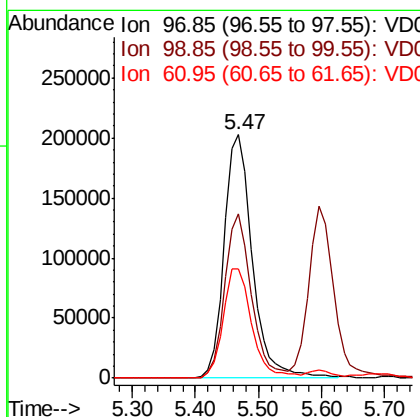
Manual Integrations
APPROVED

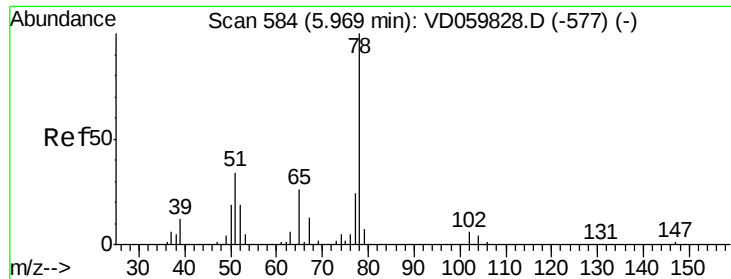
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#32
1,1,1-Trichloroethane
Concen: 54.350 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.9	77.9
61	45.1	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 54.350 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 65 Resp: 356382

Ion Ratio Lower Upper

65 100

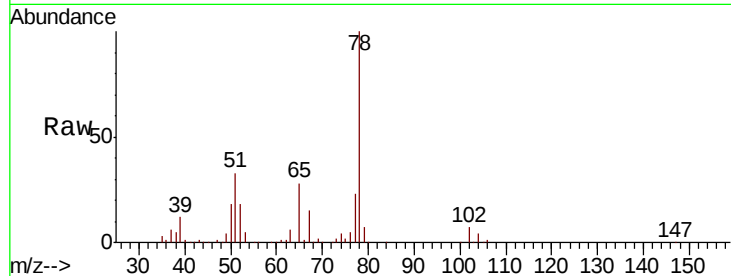
67 54.4 0.0 102.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

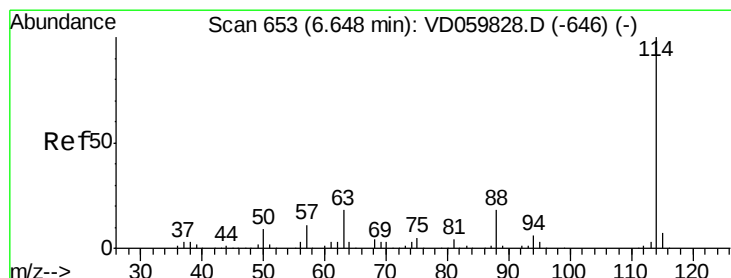
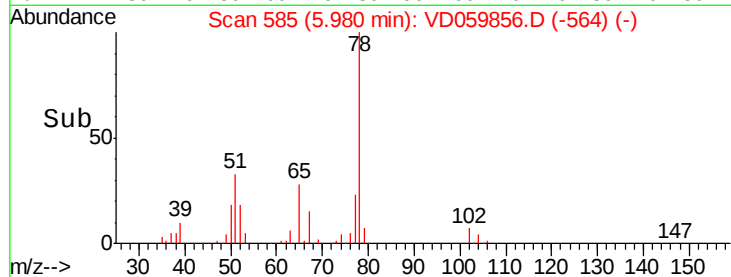
100000

50000

0

5.90 5.98 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

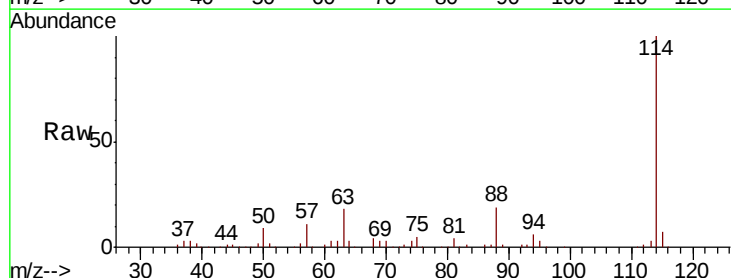
Tgt Ion: 114 Resp: 1130349

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

88 18.9 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

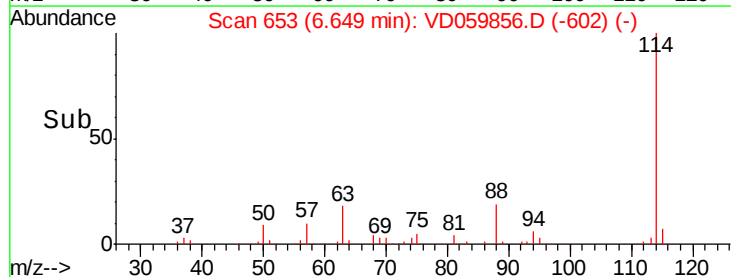
200000

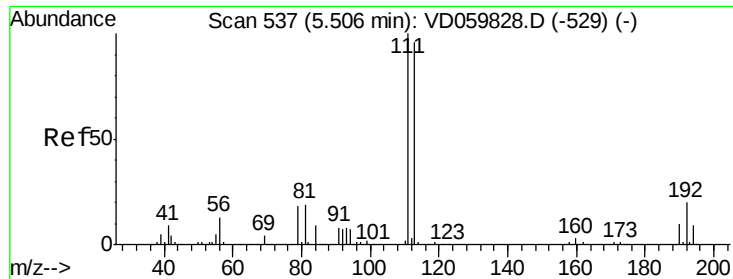
100000

0

6.40 6.60 6.80 7.00

Time-->





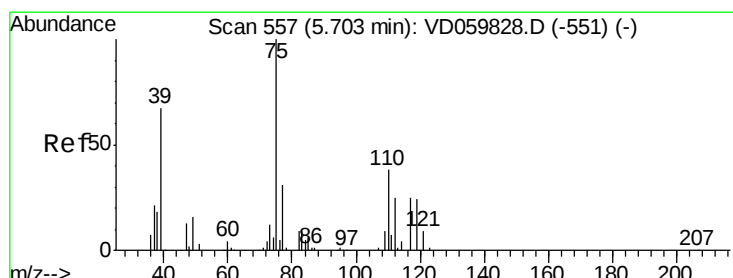
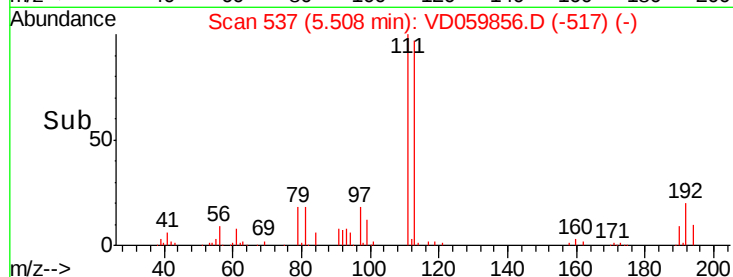
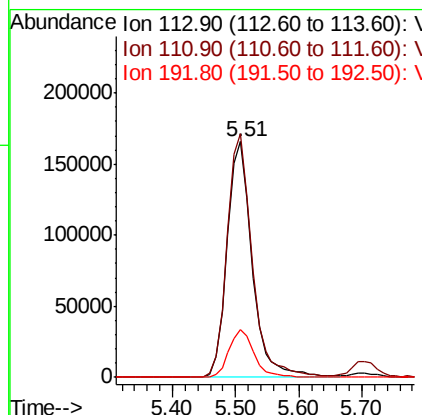
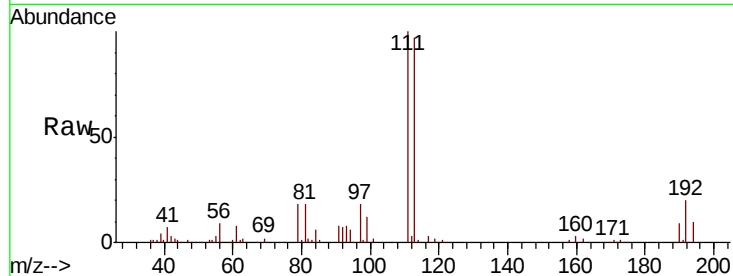
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	456295		
111	103.4	83.3	124.9	
192	20.5	16.8	25.2	

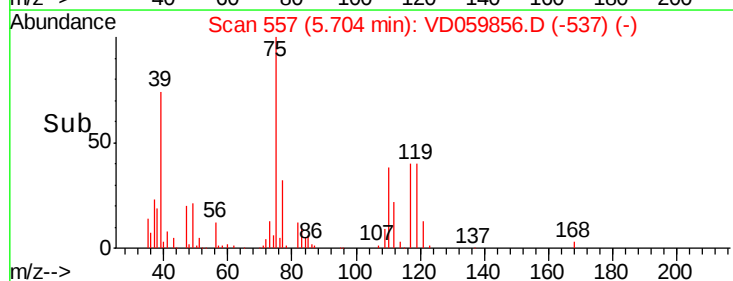
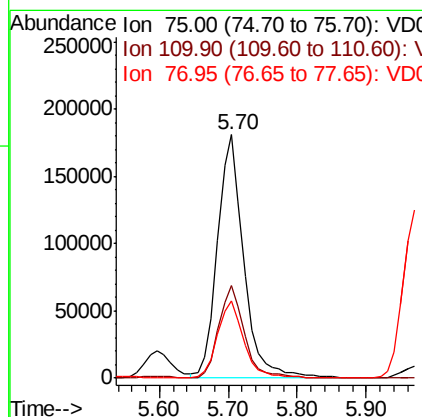
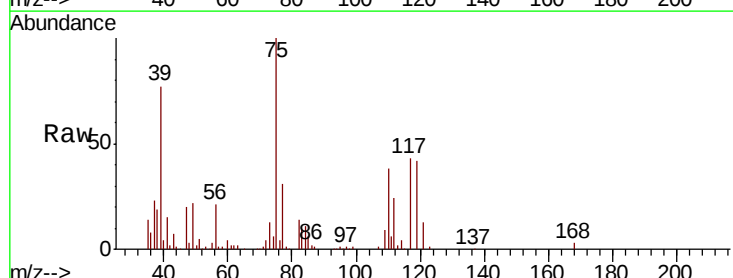
Manual Integrations
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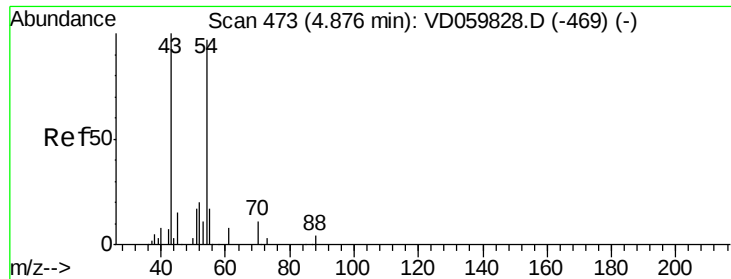
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#36
 1,1-Dichloropropene
 Concen: 49.380 ug/l
 RT: 5.70 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	473369		
110	38.0	18.8	56.4	
77	31.5	24.9	37.3	





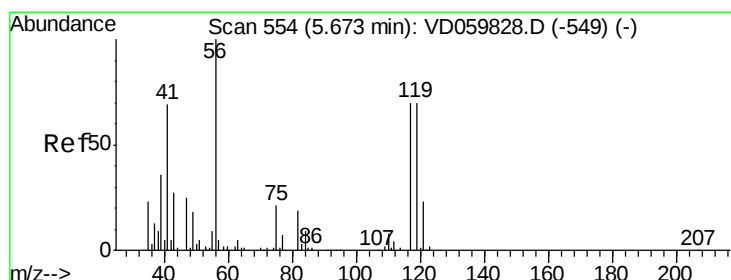
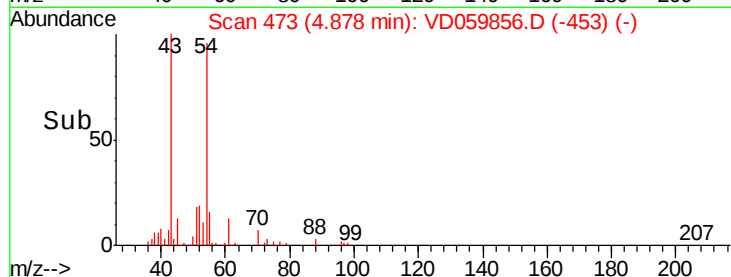
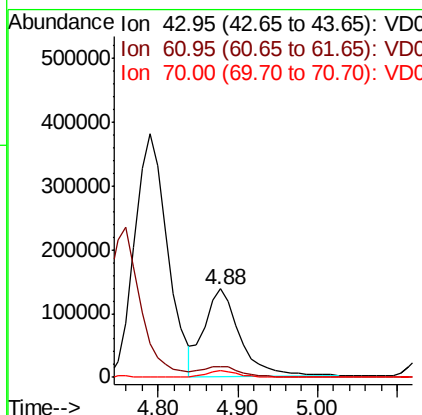
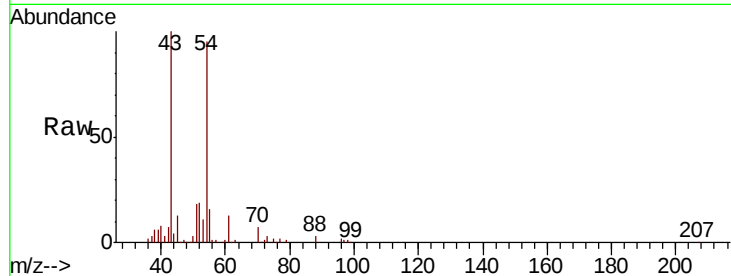
#37
Ethyl Acetate
Concen: 59.514 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 422921
Ion Ratio Lower Upper
43 100
61 12.7 10.4 15.6
70 7.4 6.2 9.2

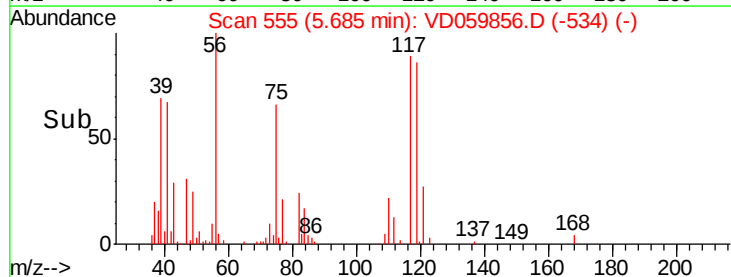
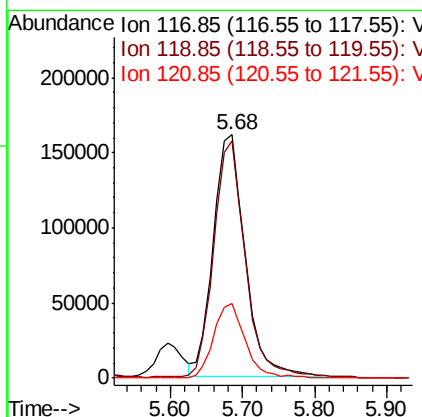
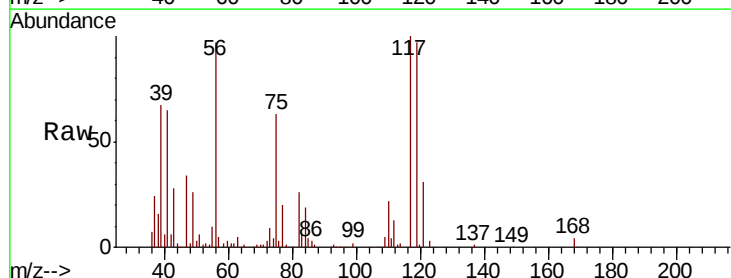
Manual Integrations
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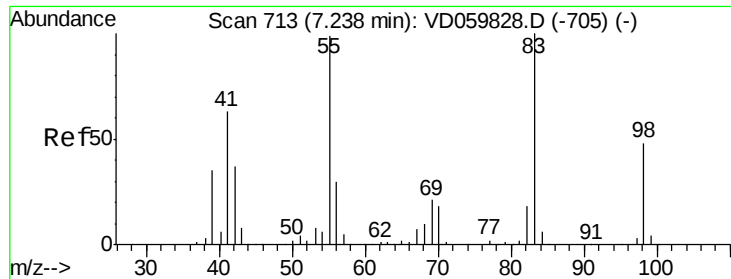
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#38
Carbon Tetrachloride
Concen: 51.188 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 117 Resp: 489752
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.4
121 30.6 24.7 37.1





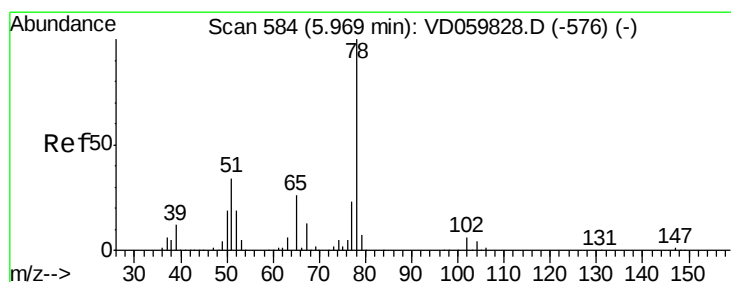
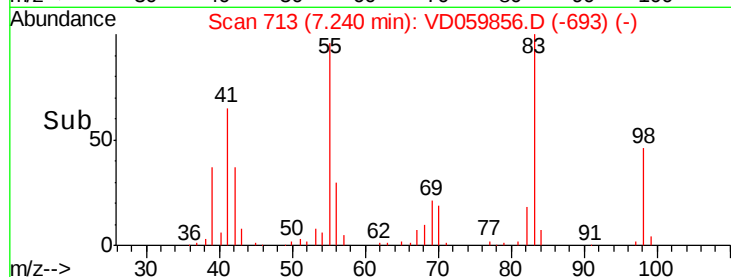
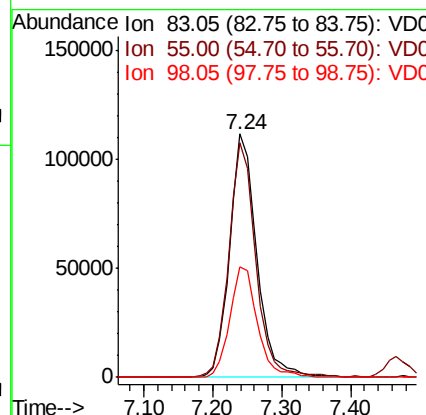
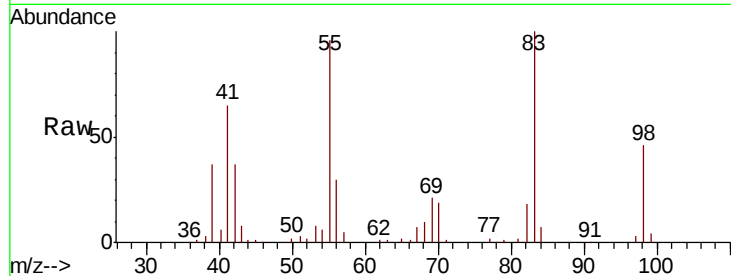
#39
Methylcyclohexane
Concen: 29.721 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.5	79.0	118.6
98	45.5	38.1	57.1

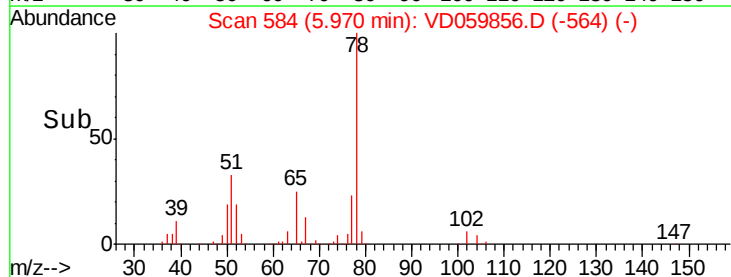
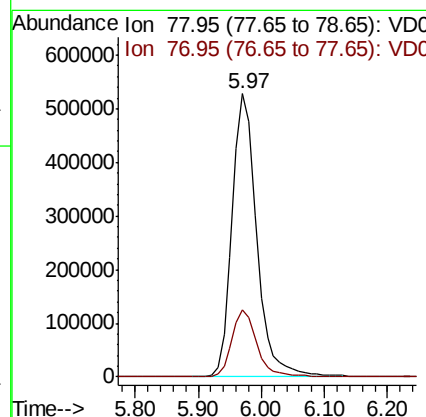
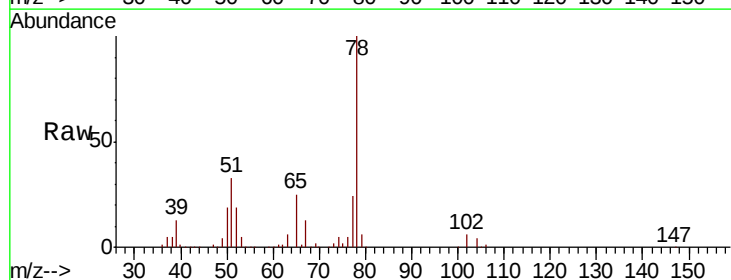
Manual Integrations
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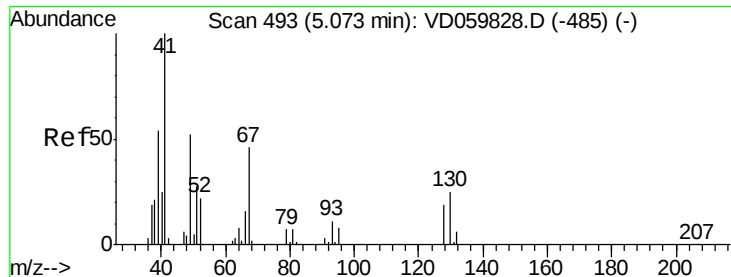
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#40
Benzene
Concen: 57.567 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





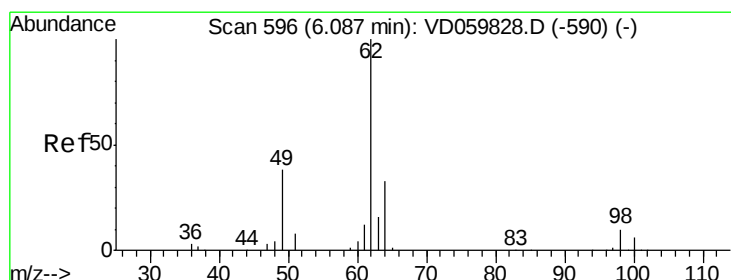
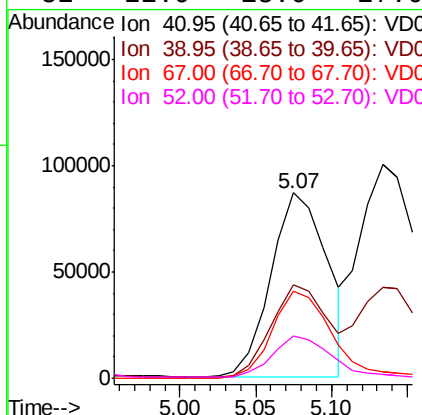
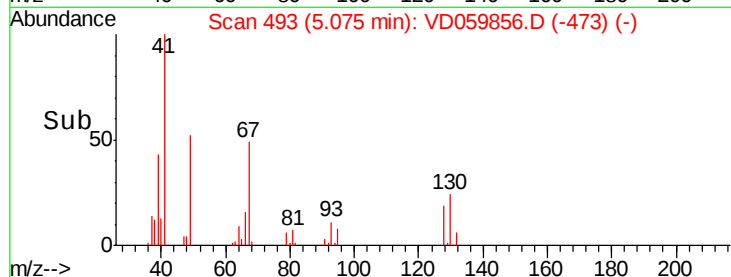
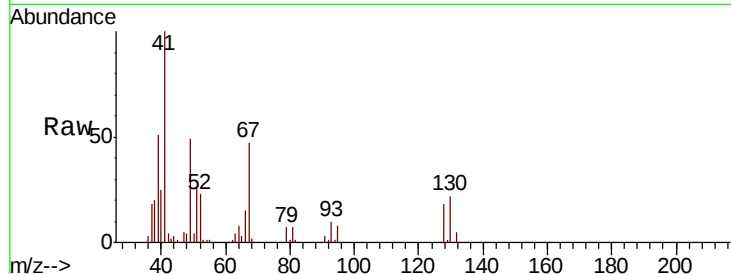
#41
Methacrylonitrile
Concen: 61.786 ug/l
RT: 5.07 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.7	43.0	64.6
67	46.8	36.7	55.1
52	22.9	18.0	27.0

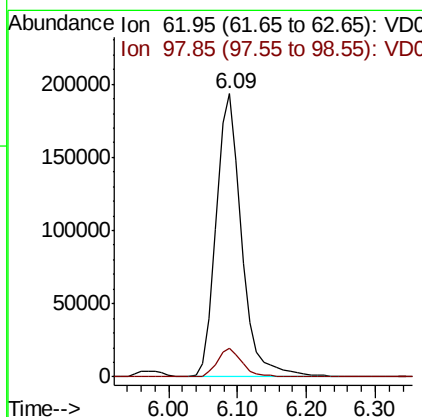
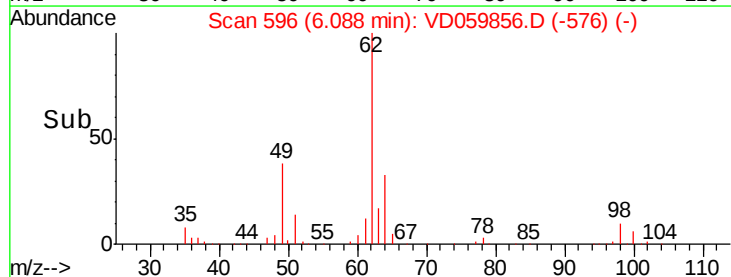
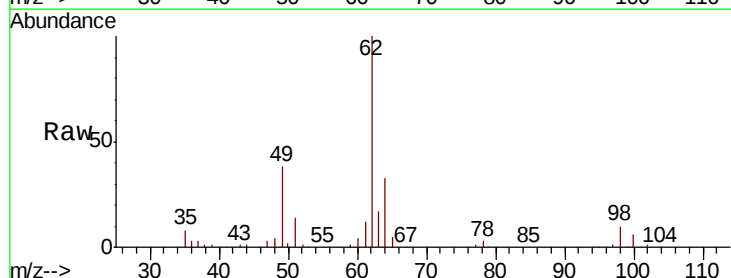
Manual Integrations
APPROVED

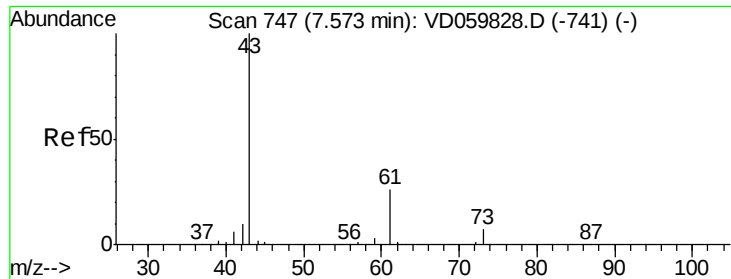
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#42
1,2-Dichloroethane
Concen: 60.955 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





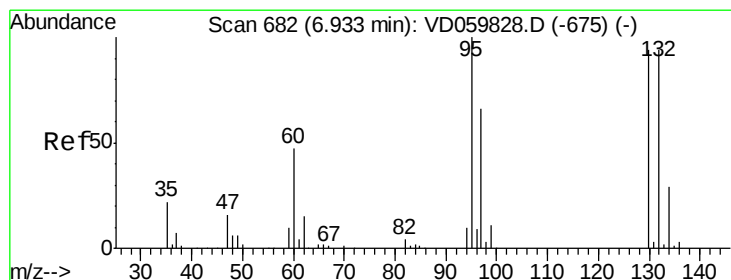
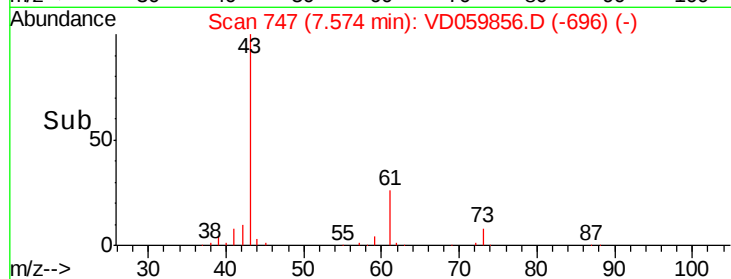
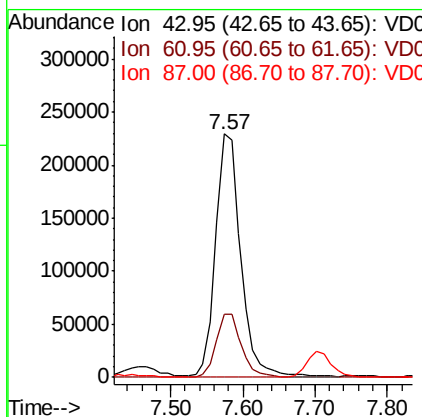
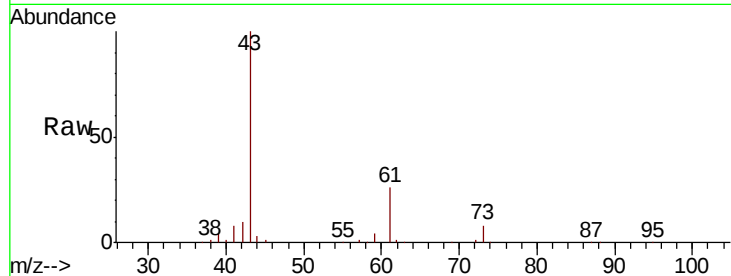
#43
Isopropyl Acetate
Concen: 55.323 ug/l
RT: 7.57 min Scan# 747
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.4
87	0.3	0.2	0.4

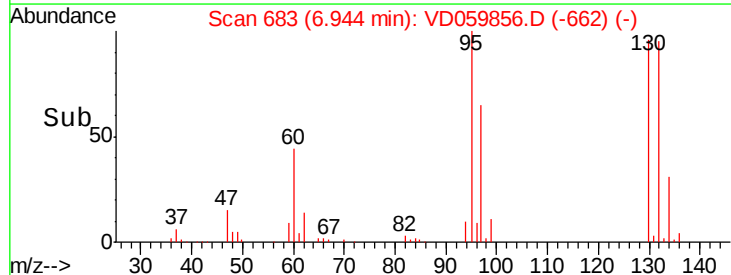
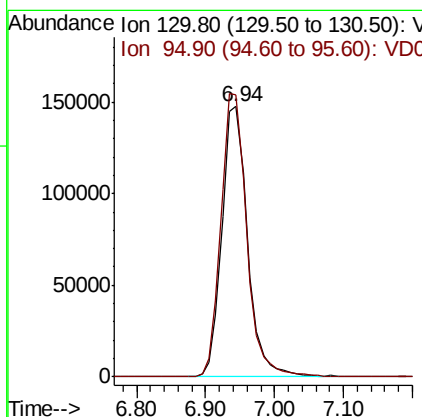
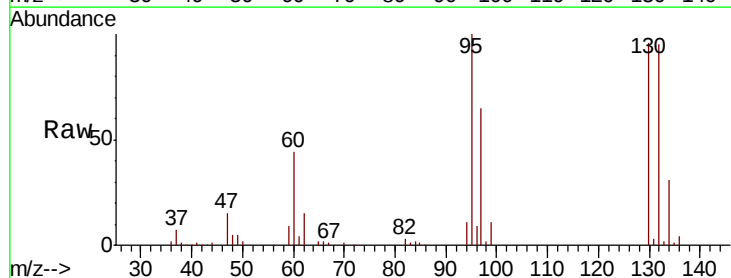
Manual Integrations
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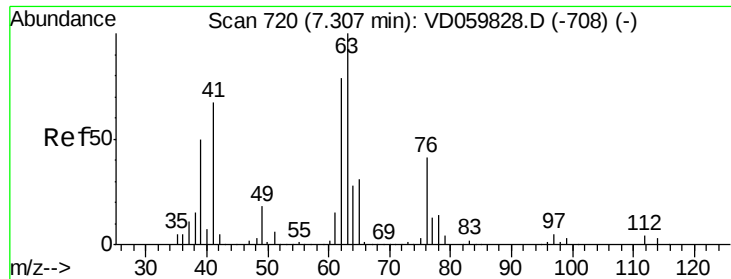
apatel
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#44
Trichloroethene
Concen: 51.867 ug/l
RT: 6.94 min Scan# 683
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	213.0





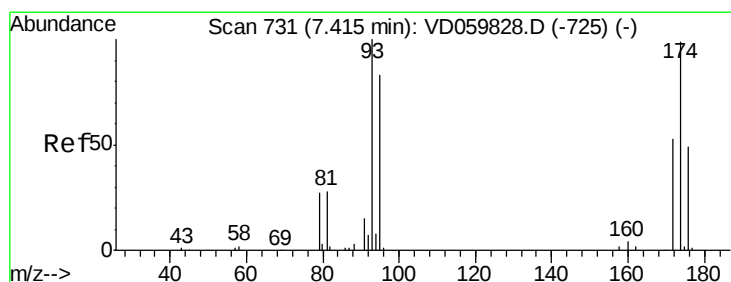
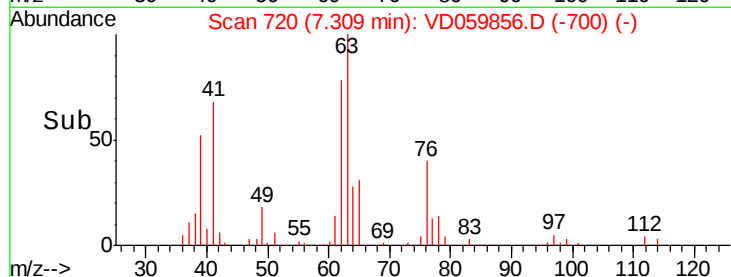
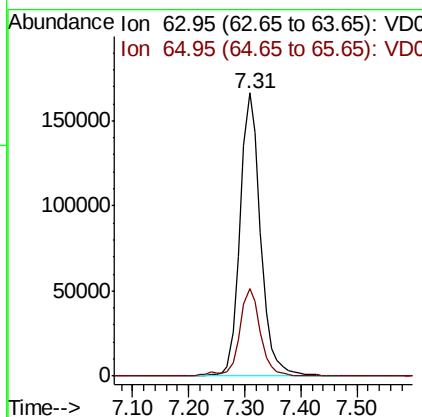
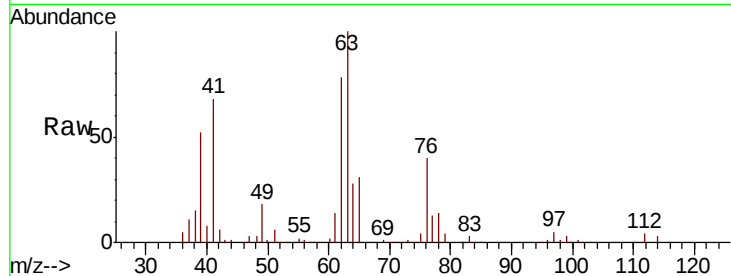
#45
 1,2-Dichloropropane
 Concen: 58.020 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion: 63 Resp: 423140
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.5 36.7

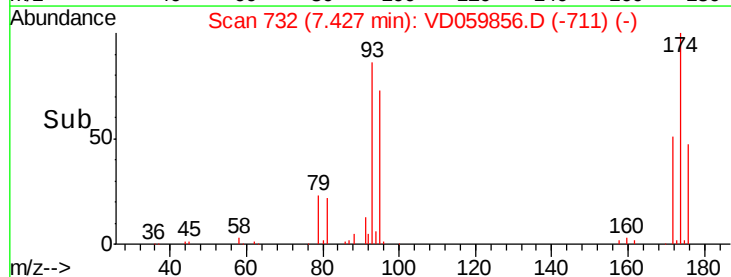
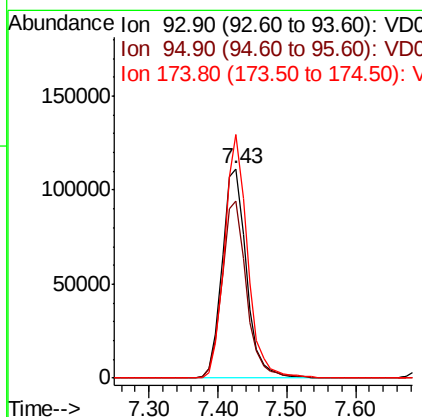
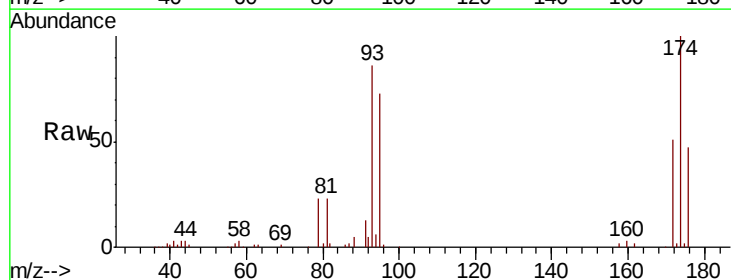
Manual Integrations
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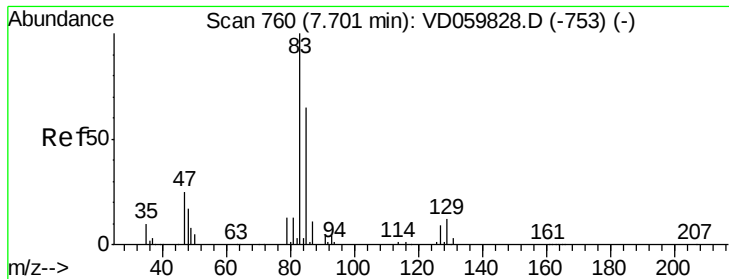
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#46
 Dibromomethane
 Concen: 60.050 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 93 Resp: 272674
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.3 99.5
 174 116.4 79.4 119.0





#47

Bromodichloromethane

Concen: 56.939 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

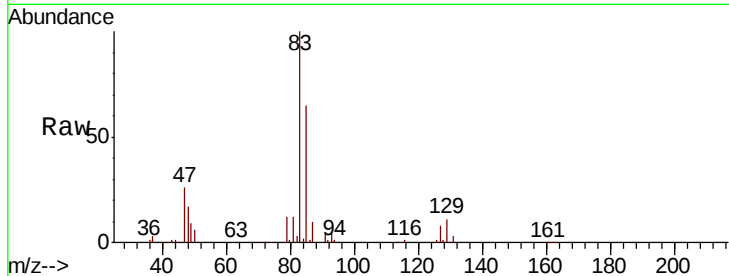
ClientSampleId :

RA-081518-FL-031MSD

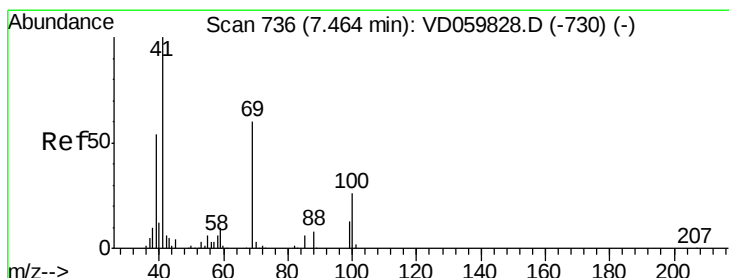
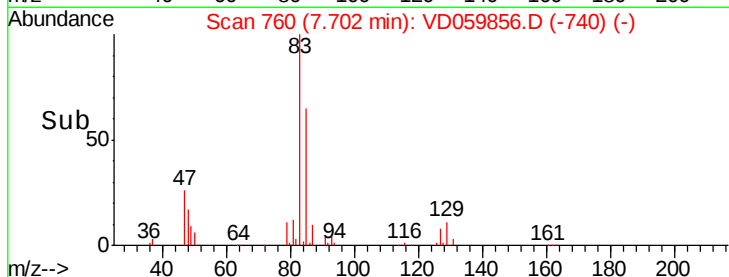
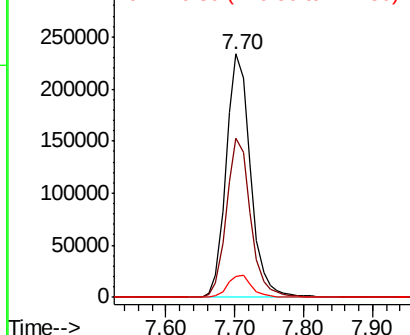
Tgt Ion:	83	Resp:	570835
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	8.4	7.1	10.7

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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: 65.709 ug/l

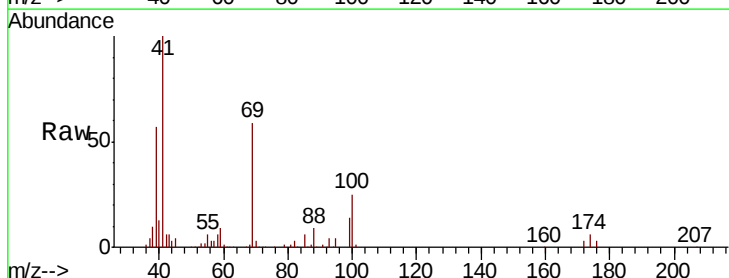
RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

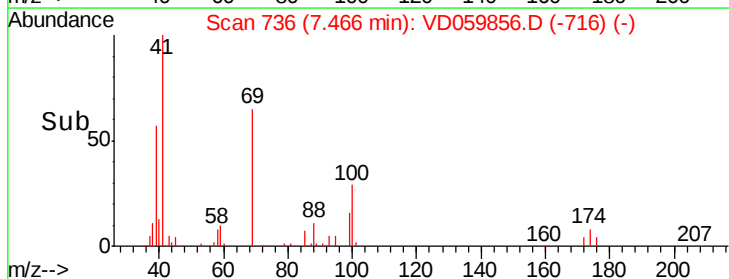
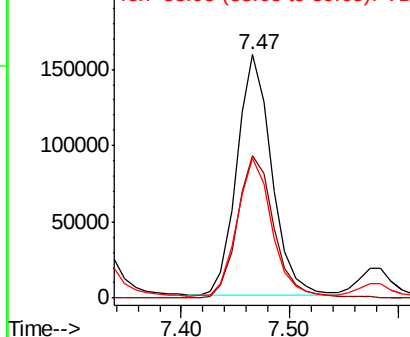
Lab File: VD059856.D

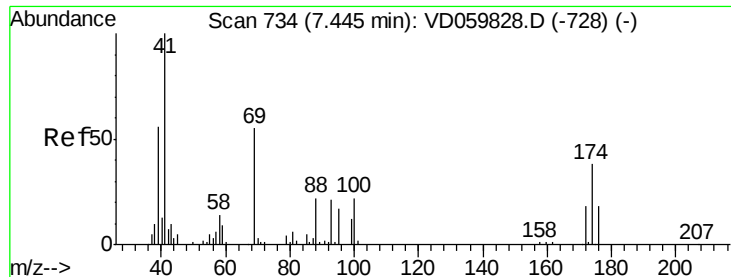
Acq: 21 Aug 2018 15:25

Tgt Ion:	41	Resp:	356206
Ion	Ratio	Lower	Upper
41	100		
69	58.7	47.0	70.4
39	57.3	43.4	65.2



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





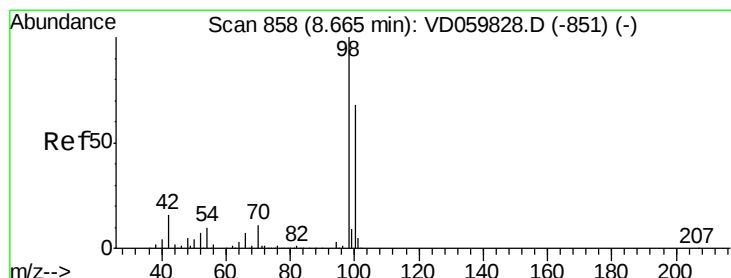
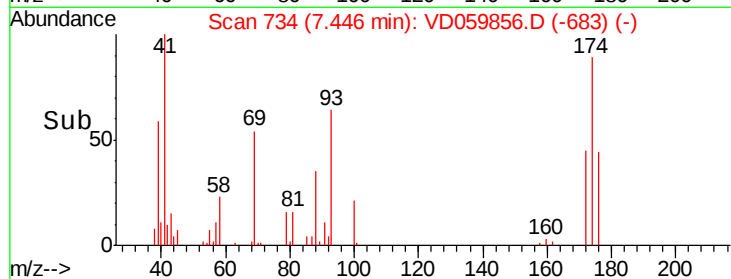
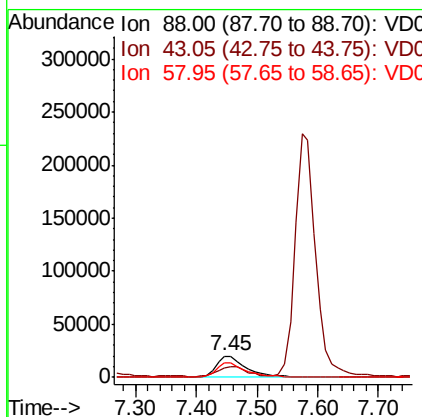
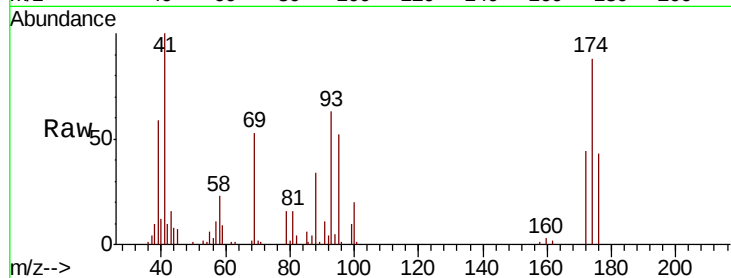
#49
1,4-Dioxane
Concen: 1495.408 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	68602		
43	45.4		41.4	62.0
58	66.6		52.4	78.6

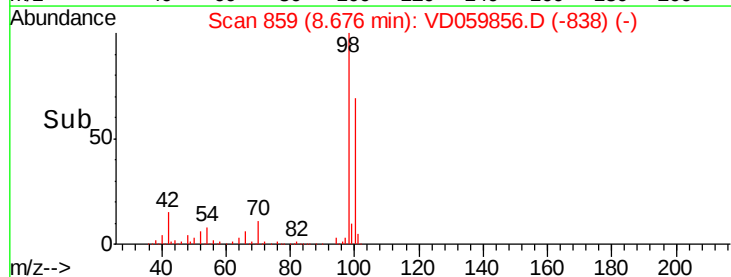
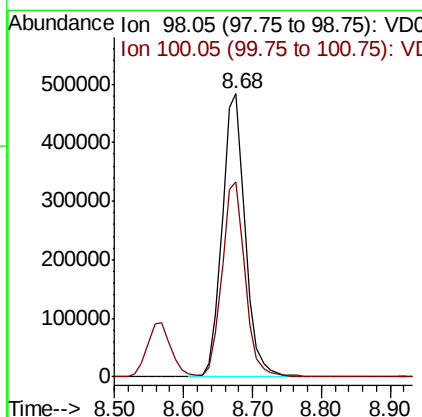
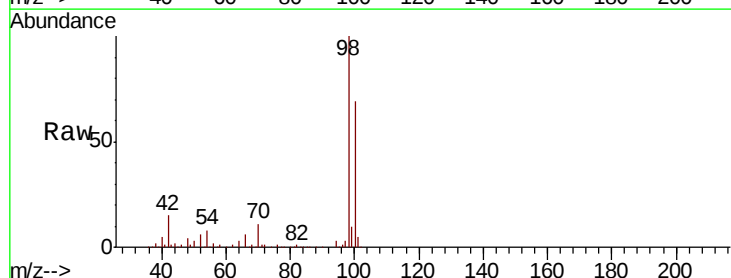
Manual Integrations
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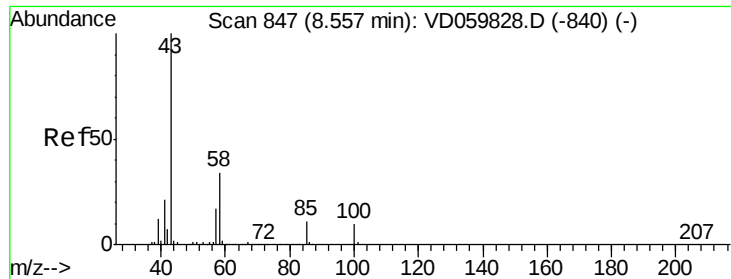
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#50
Toluene-d8
Concen: 1495.408 ug/l
RT: 8.68 min Scan# 859
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1113270		
100	68.8		55.0	82.4





#51

4-Methyl-2-Pentanone

Concen: 358.529 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 2355965

Ion Ratio Lower Upper

43 100

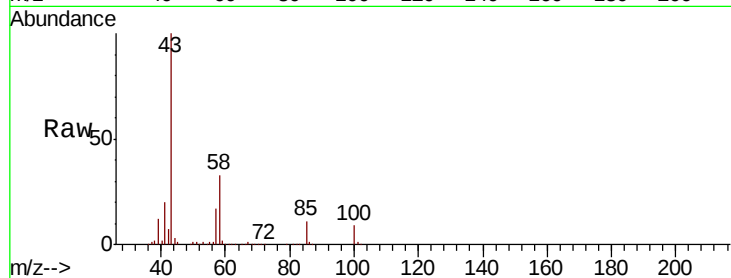
58 33.2 27.0 40.4

Manual Integrations

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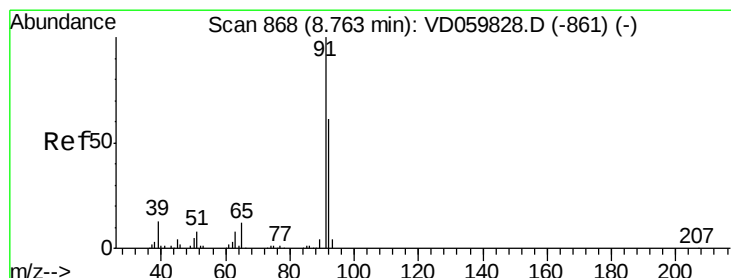
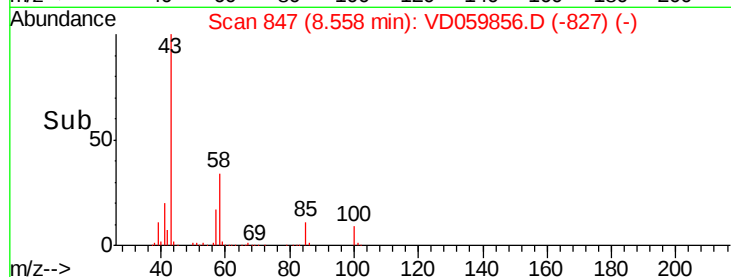
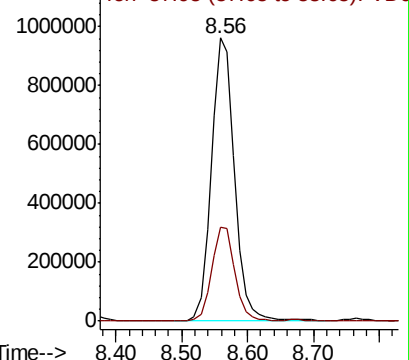
apatel

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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: 52.636 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059856.D

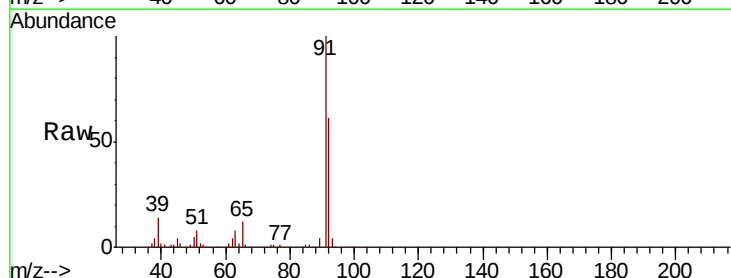
Acq: 21 Aug 2018 15:25

Tgt Ion: 92 Resp: 826633

Ion Ratio Lower Upper

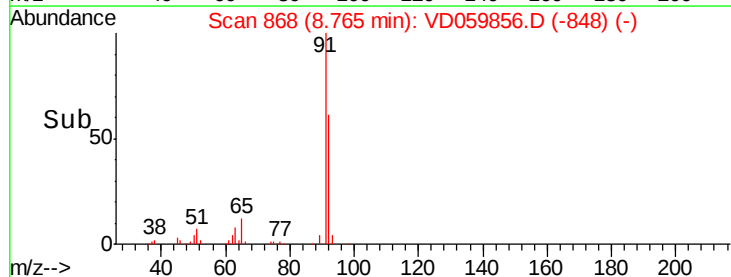
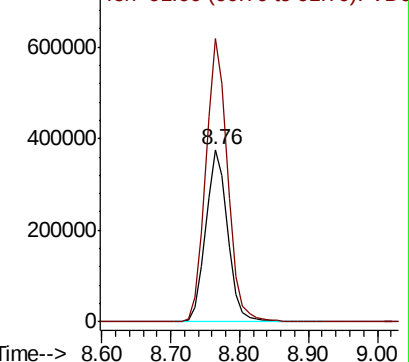
92 100

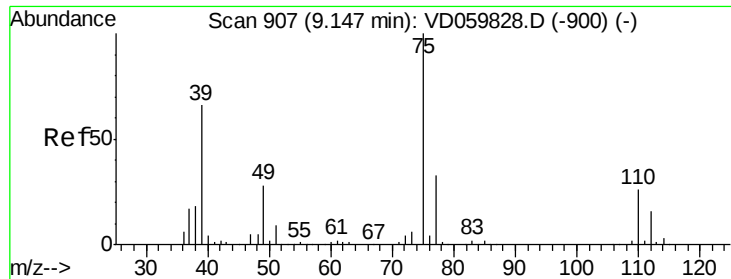
91 164.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





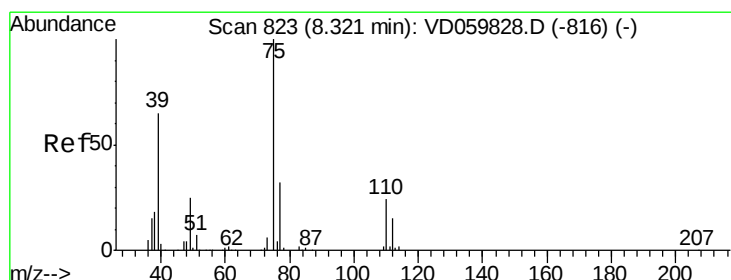
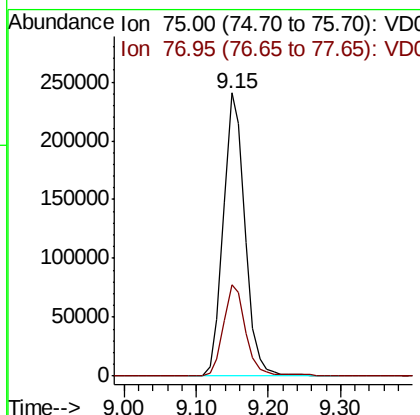
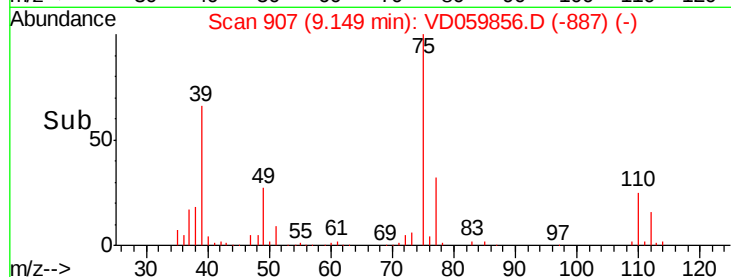
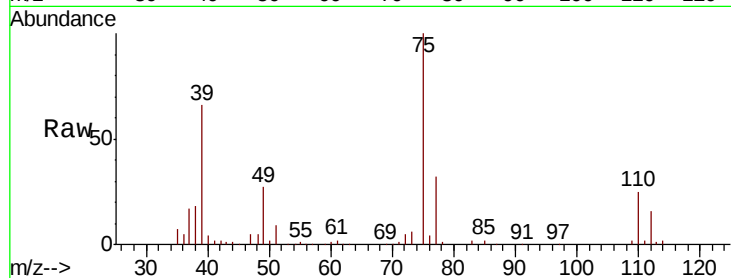
#53
t-1,3-Dichloropropene
Concen: 54.725 ug/l
RT: 9.15 min Scan# 907
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 75 Resp: 499774
Ion Ratio Lower Upper
75 100
77 32.1 26.3 39.5

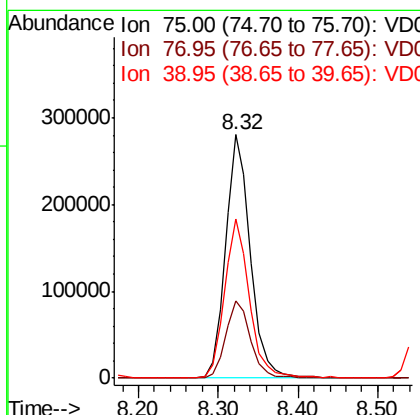
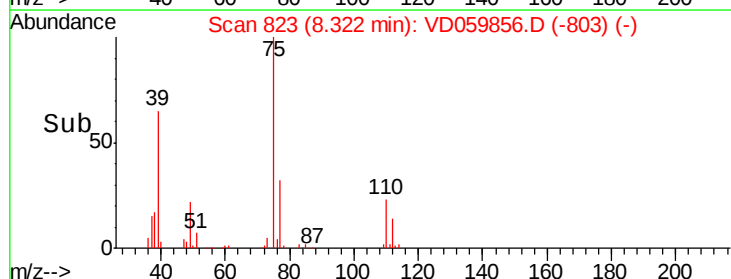
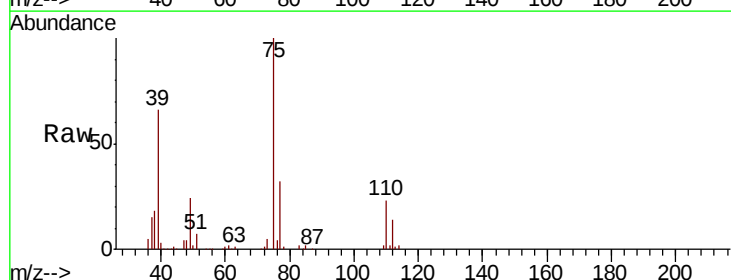
Manual Integrations
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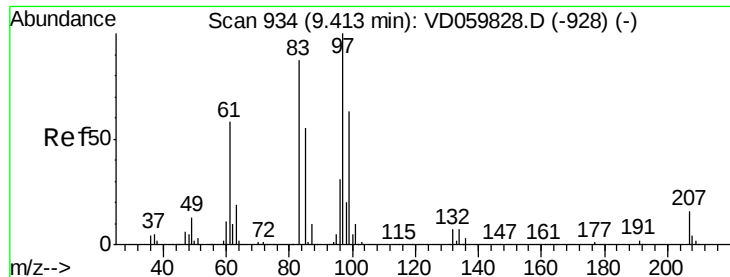
apatel
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#54
cis-1,3-Dichloropropene
Concen: 55.728 ug/l
RT: 8.32 min Scan# 823
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 75 Resp: 609502
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 65.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 58.917 ug/l

RT: 9.42 min Scan# 935

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

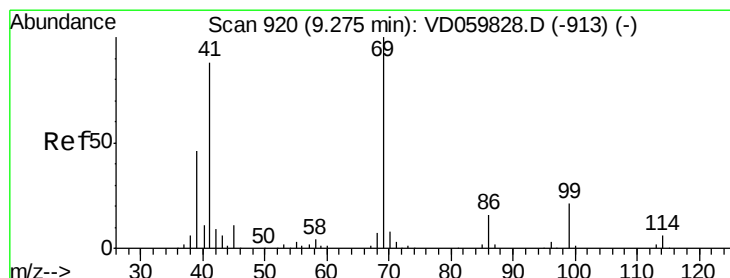
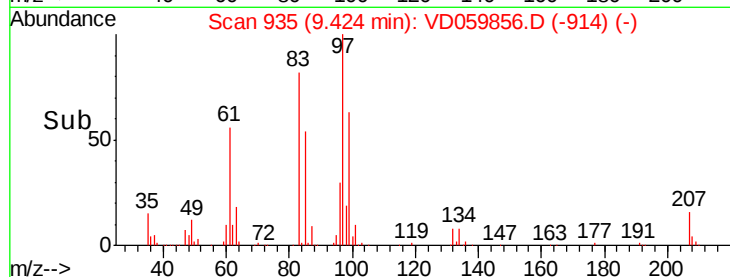
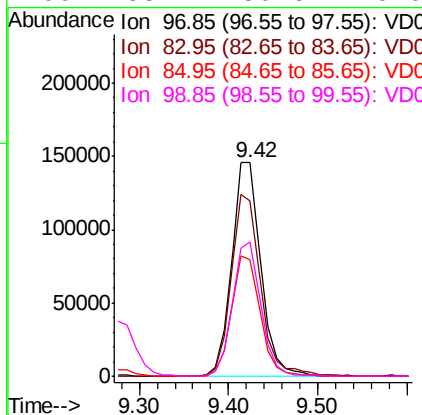
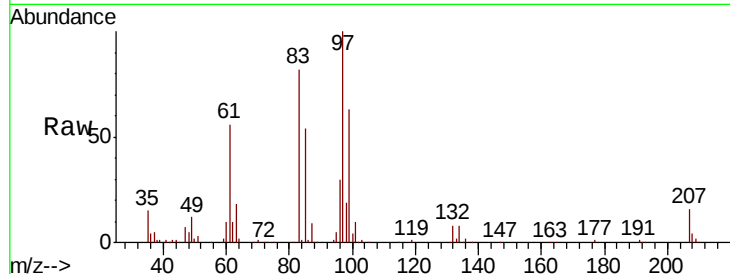
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	97	Resp:	334017
Ion Ratio	Lower	Upper	
97	100		
83	81.9	69.2	103.8
85	54.3	44.3	66.5
99	63.1	50.6	76.0

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#56

Ethyl methacrylate

Concen: 60.144 ug/l

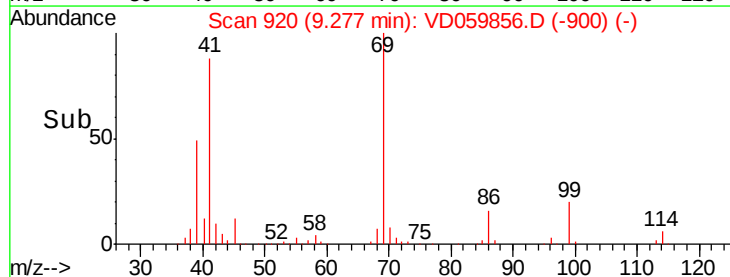
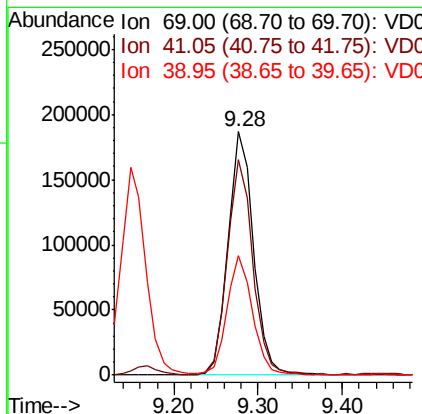
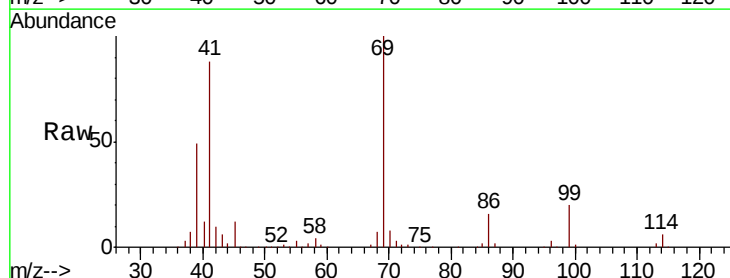
RT: 9.28 min Scan# 920

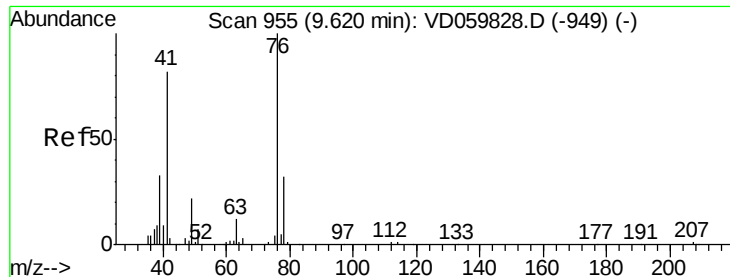
Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	69	Resp:	393178
Ion Ratio	Lower	Upper	
69	100		
41	88.3	71.0	106.4
39	49.3	38.0	57.0





#57

1,3-Dichloropropane

Concen: 57.941 ug/l

RT: 9.63 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 76 Resp: 480274

Ion Ratio Lower Upper

76 100

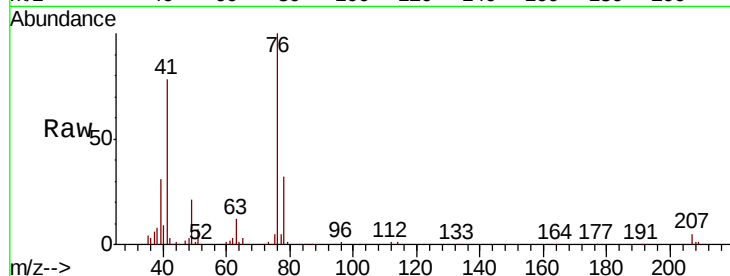
78 32.2 25.5 38.3

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

100000

50000

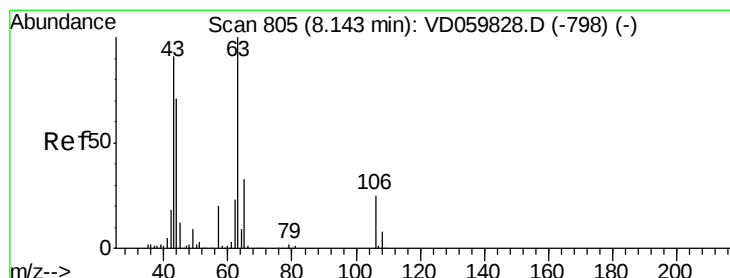
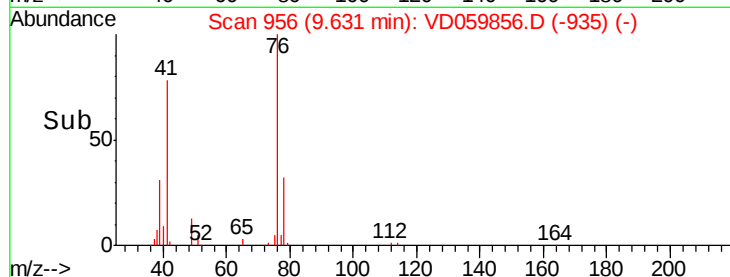
0

9.50

9.60

9.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 278.856 ug/l

RT: 8.15 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD059856.D

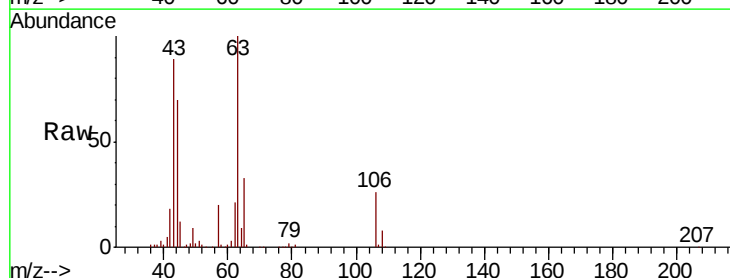
Acq: 21 Aug 2018 15:25

Tgt Ion: 63 Resp: 969742

Ion Ratio Lower Upper

63 100

106 26.2 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

500000

400000

300000

200000

100000

0

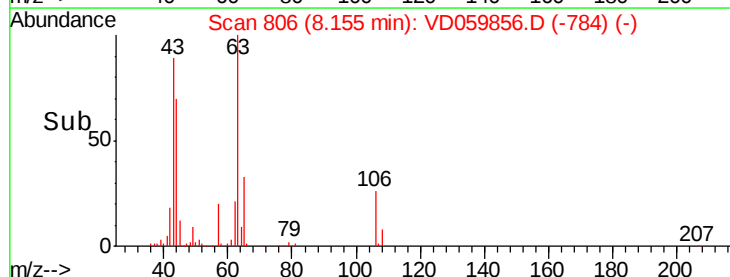
8.00

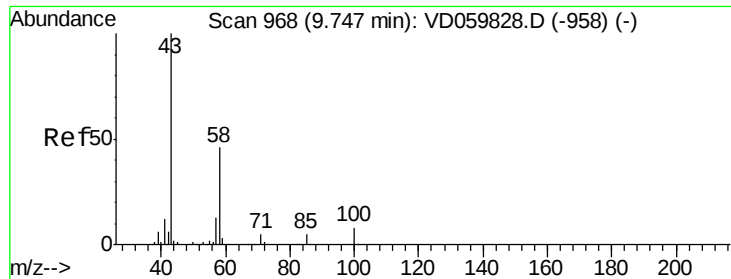
8.10

8.20

8.30

Time-->





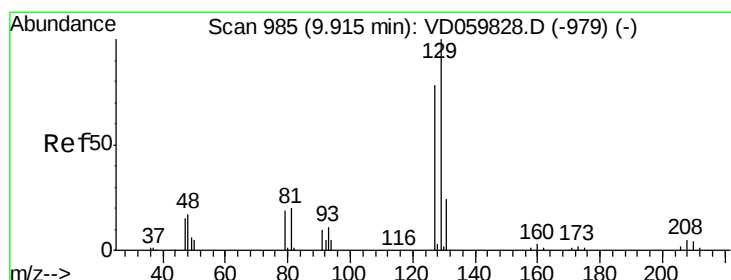
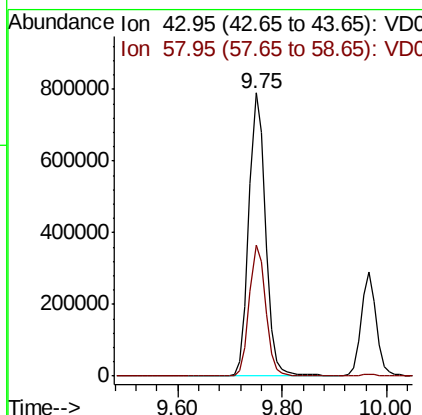
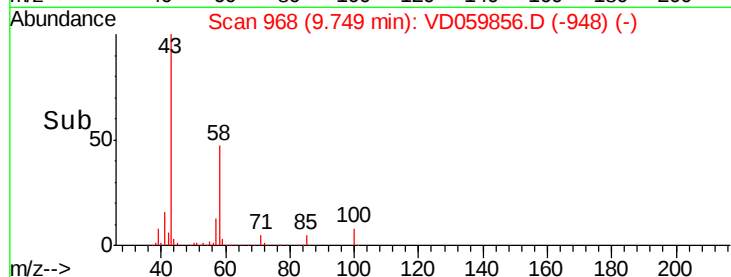
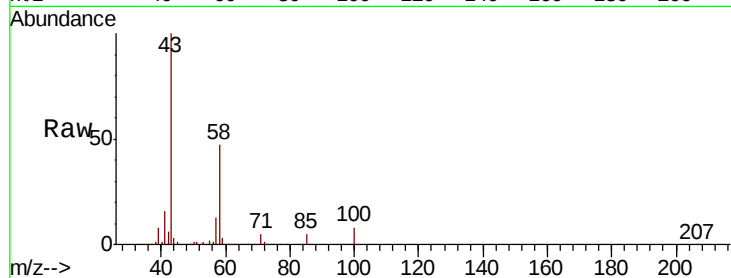
#59
2-Hexanone
Concen: 345.335 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 1677349
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2

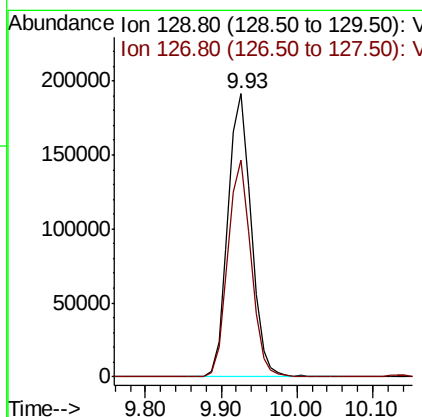
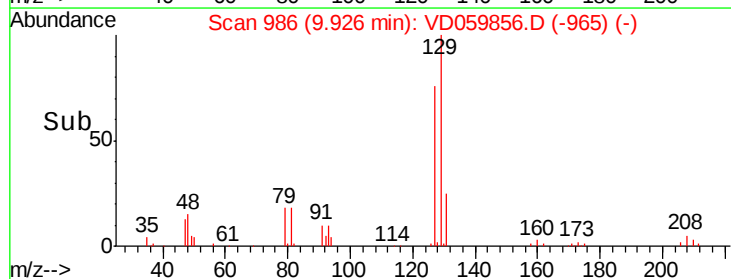
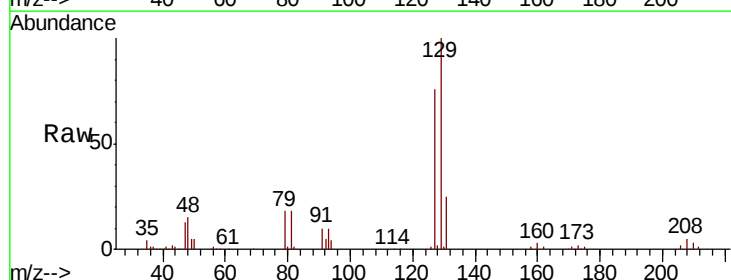
Manual Integrations
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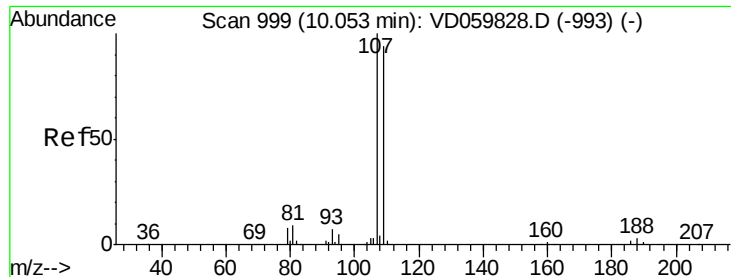
apatel
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#60
Dibromochloromethane
Concen: 55.561 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 129 Resp: 405604
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





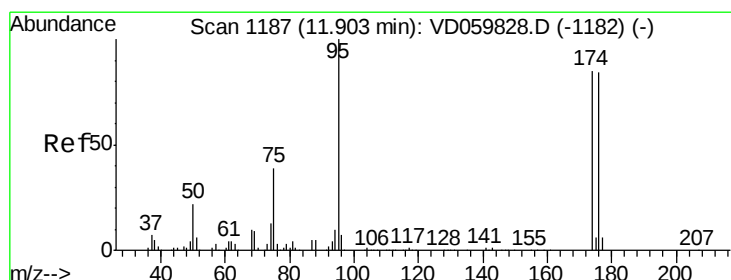
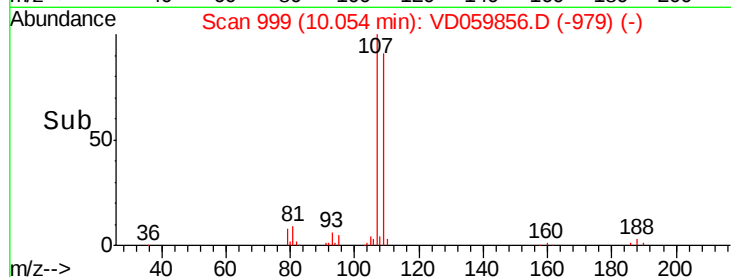
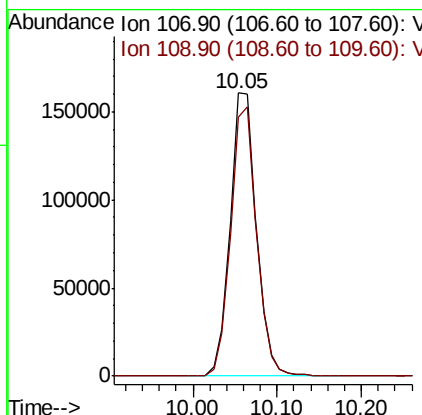
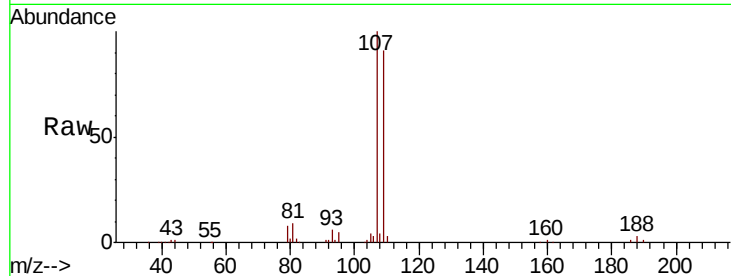
#61
 1,2-Dibromoethane
 Concen: 57.512 ug/l
 RT: 10.05 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.0	112.6

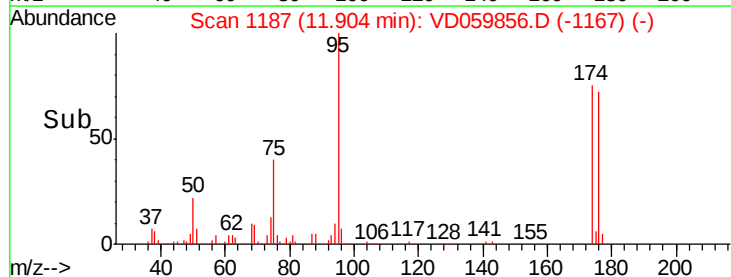
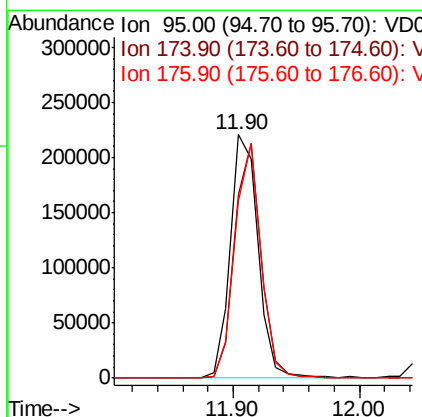
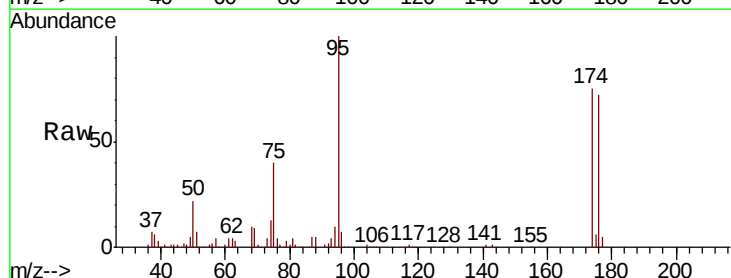
Manual Integrations
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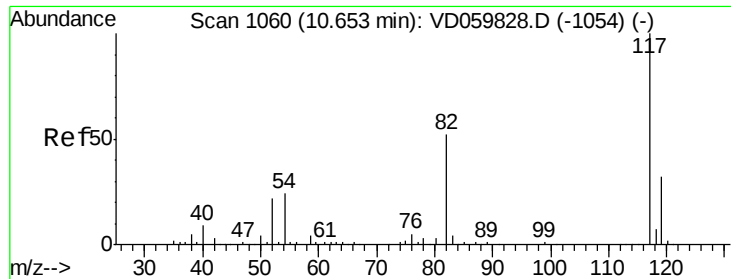
apatel
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#62
 4-Bromofluorobenzene
 Concen: 57.512 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	169.2
176	72.5	0.0	168.0





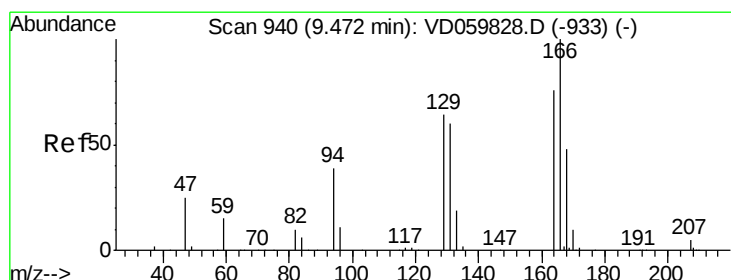
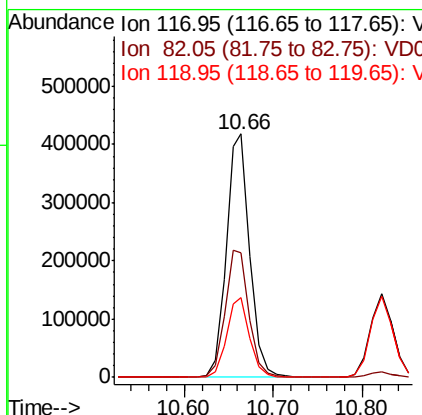
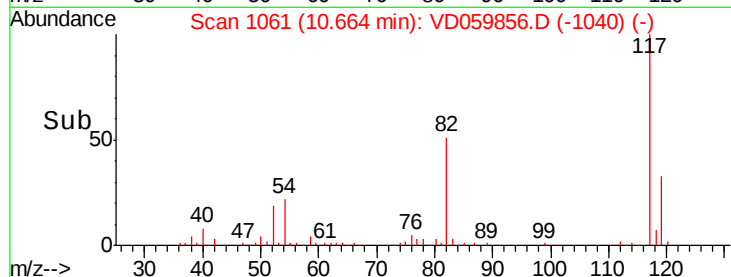
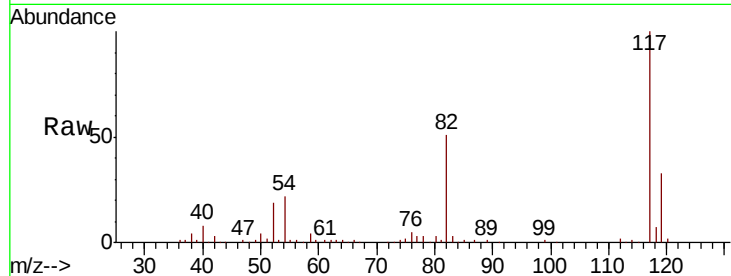
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	770716		
82	51.0	41.6	62.4	
119	32.9	25.6	38.4	

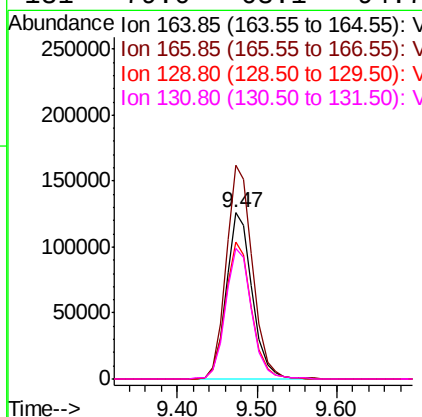
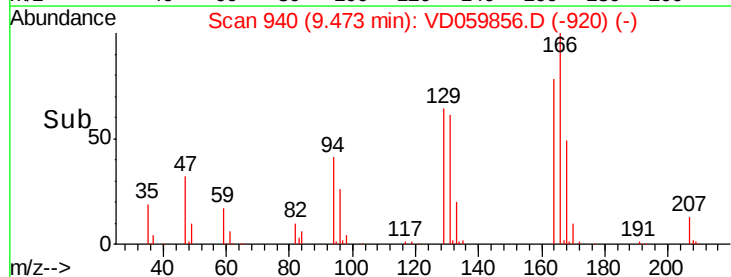
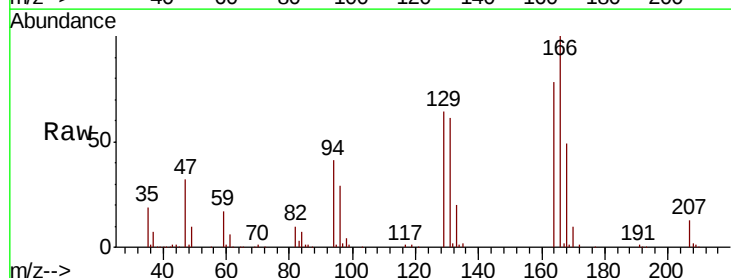
Manual Integrations
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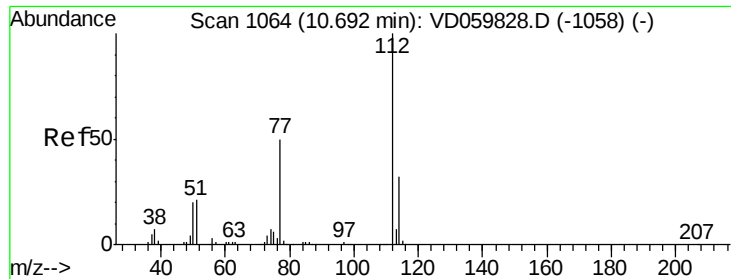
apatel
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#64
Tetrachloroethene
Concen: 50.661 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	285881		
166	128.7	104.9	157.3	
129	82.8	66.7	100.1	
131	79.0	63.1	94.7	





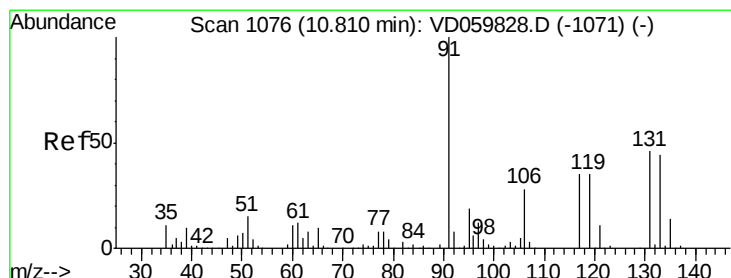
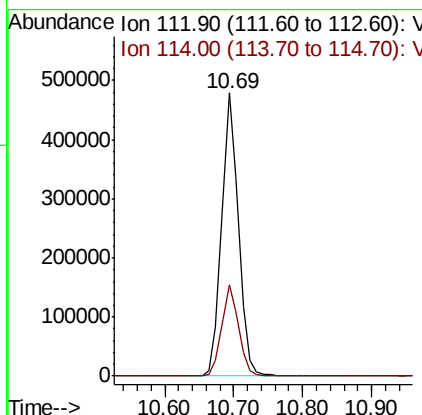
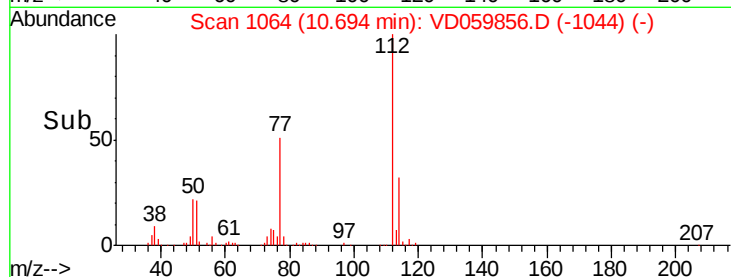
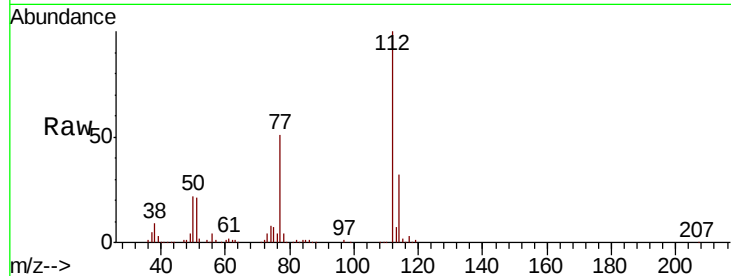
#65
Chlorobenzene
Concen: 54.713 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion:112 Resp: 813277
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

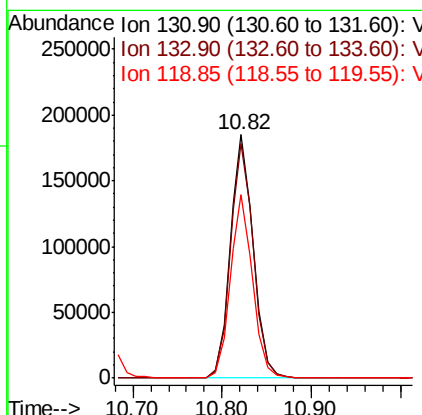
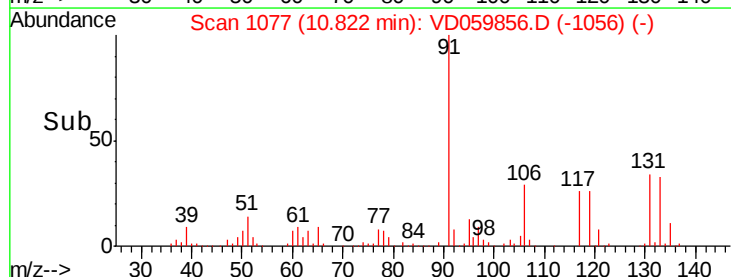
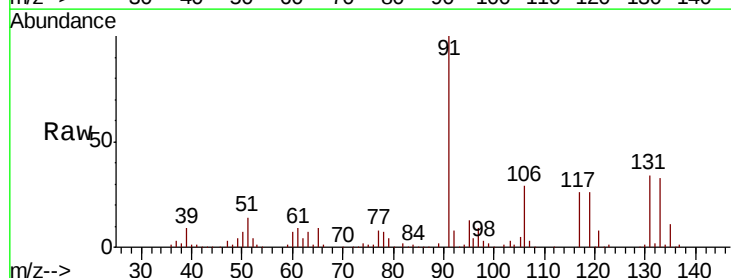
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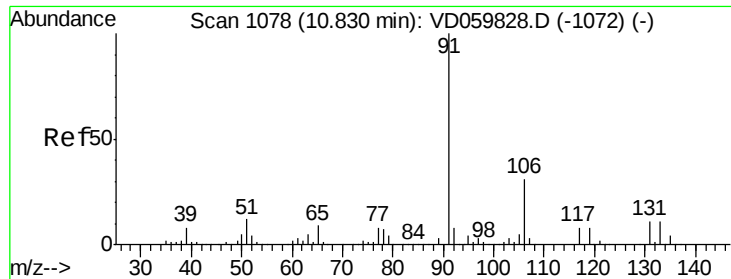
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#66
1,1,1,2-Tetrachloroethane
Concen: 65.569 ug/l
RT: 10.82 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:131 Resp: 332644
Ion Ratio Lower Upper
131 100
133 96.5 47.1 141.4
119 75.3 37.5 112.7





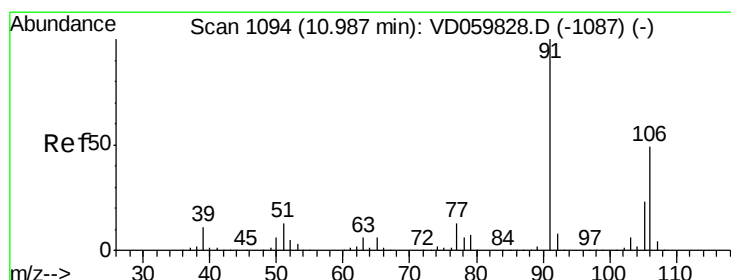
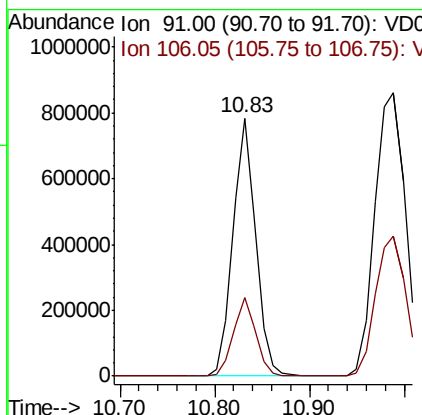
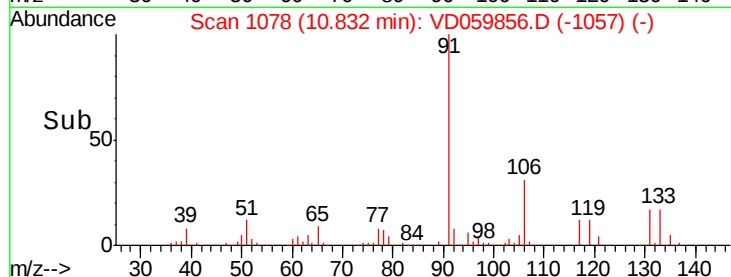
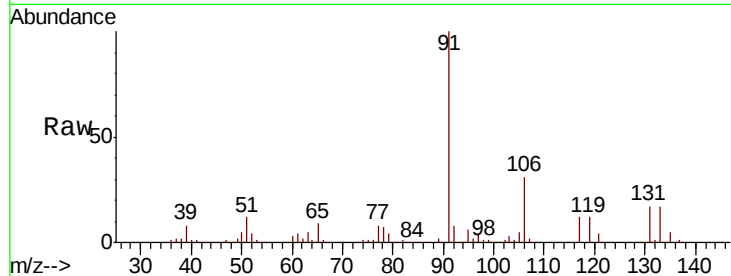
#67
Ethyl Benzene
Concen: 54.889 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion: 91 Resp: 1309911
Ion Ratio Lower Upper
91 100
106 30.6 25.1 37.7

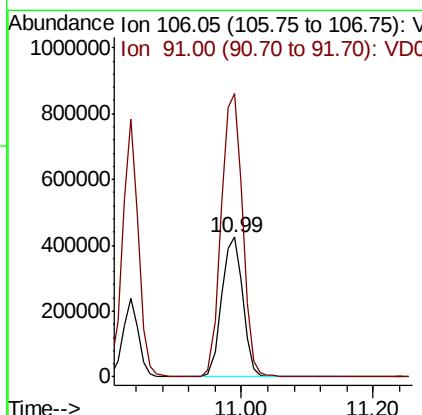
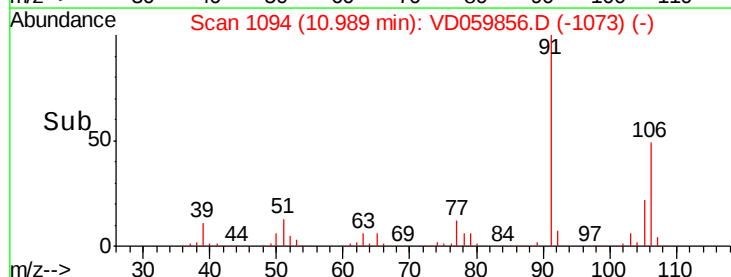
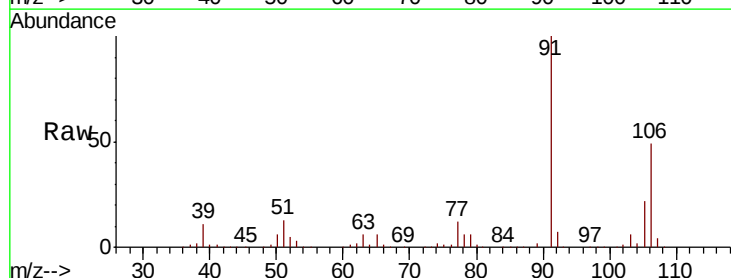
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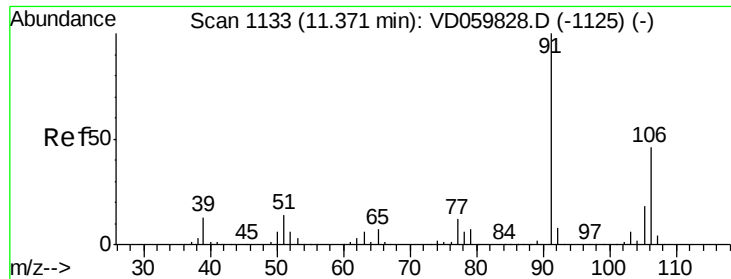
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#68
m/p-Xylenes
Concen: 107.688 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 106 Resp: 951105
Ion Ratio Lower Upper
106 100
91 202.4 161.8 242.8





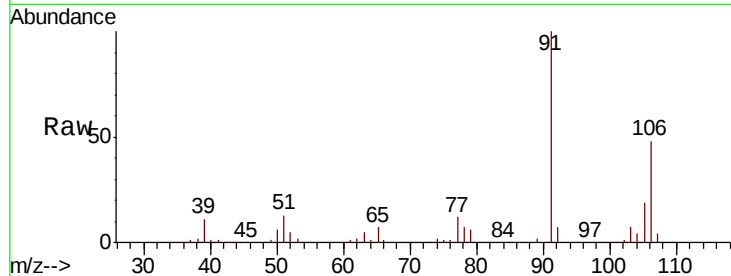
#69
o-Xylene
Concen: 55.900 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleID :
RA-081518-FL-031MSD

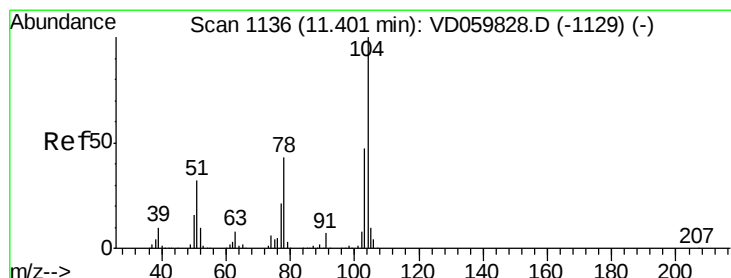
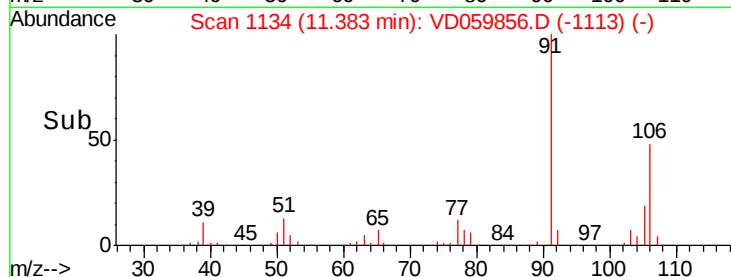
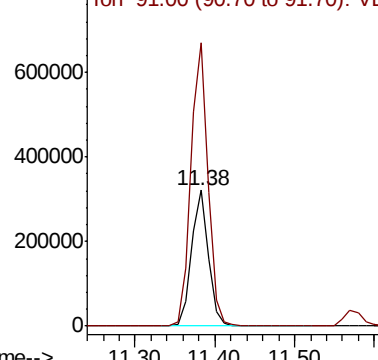
Tgt Ion:106 Resp: 481468
Ion Ratio Lower Upper
106 100
91 208.6 108.5 325.3

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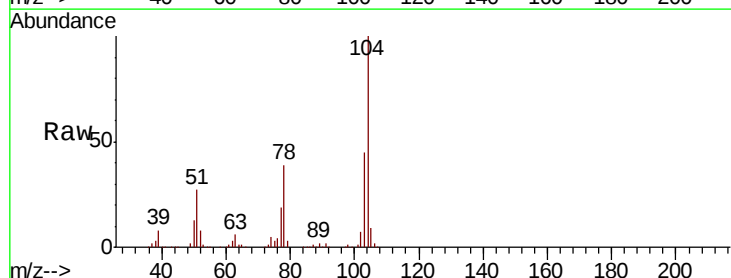


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

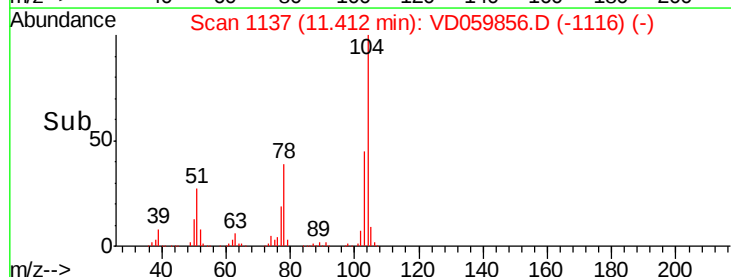
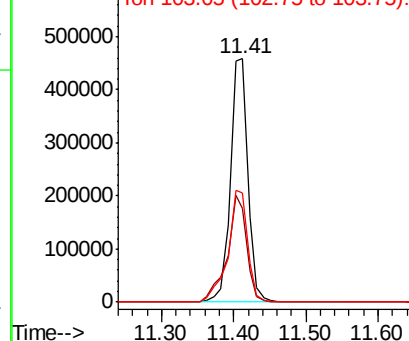


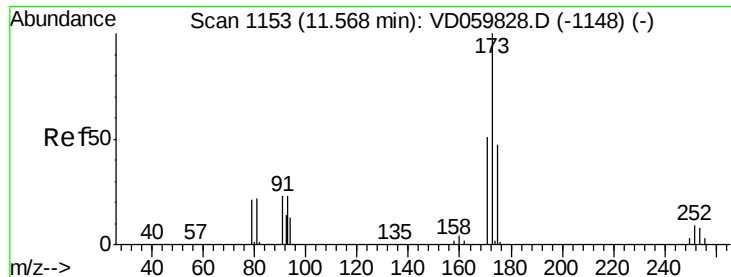
#70
Styrene
Concen: 51.270 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:104 Resp: 768953
Ion Ratio Lower Upper
104 100
78 38.8 34.6 52.0
103 44.6 37.8 56.6



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





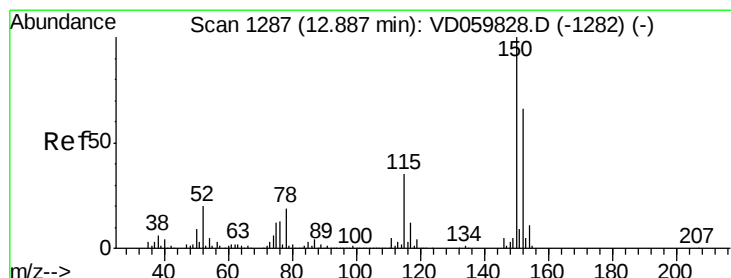
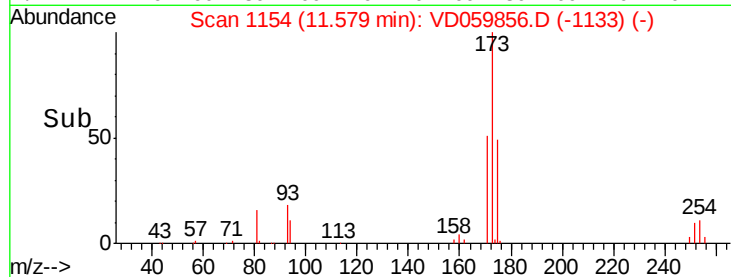
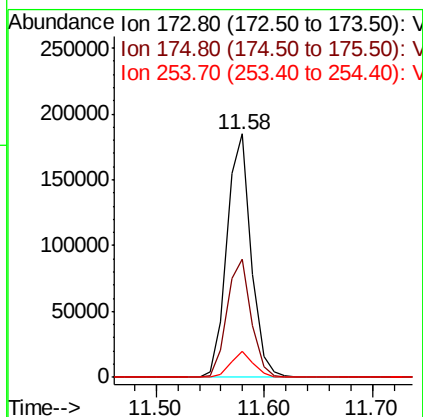
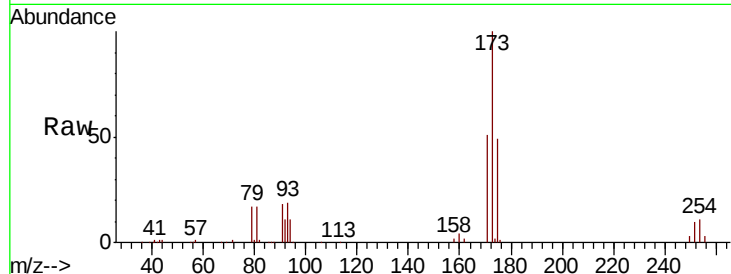
#71
Bromoform
Concen: 63.064 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.7	71.1
254	10.5	6.7	10.1

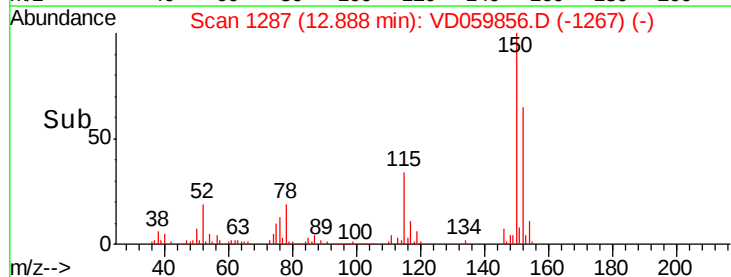
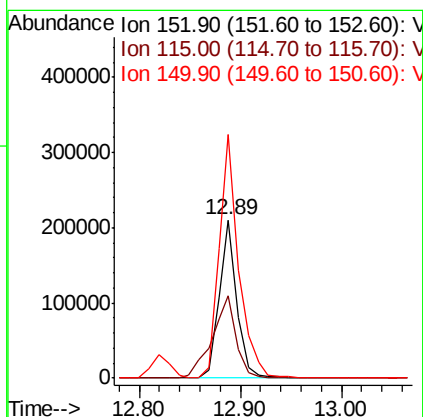
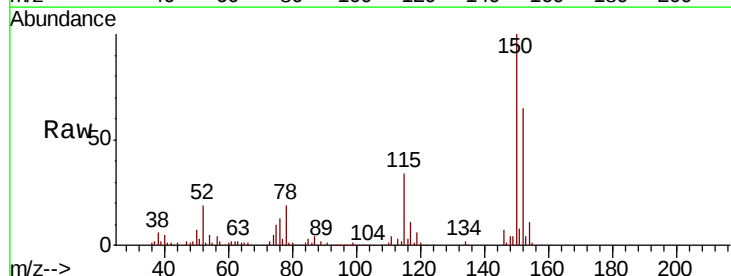
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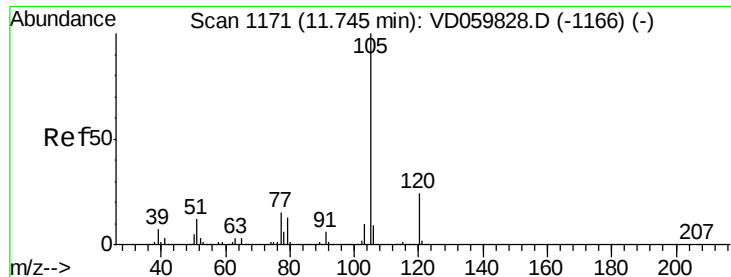
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.7	26.9	80.6
150	153.8	0.0	306.8





#73

Isopropylbenzene

Concen: 61.887 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 105 Resp: 1079940

Ion Ratio Lower Upper

105 100

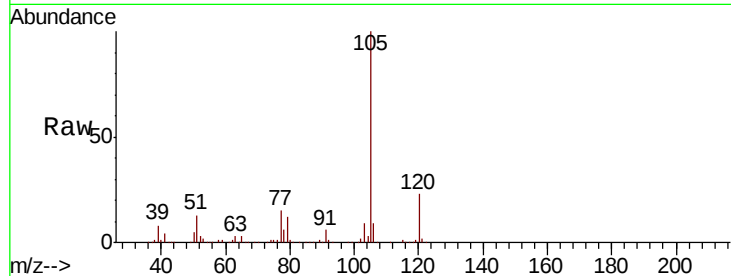
120 23.2 11.9 35.5

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

200000

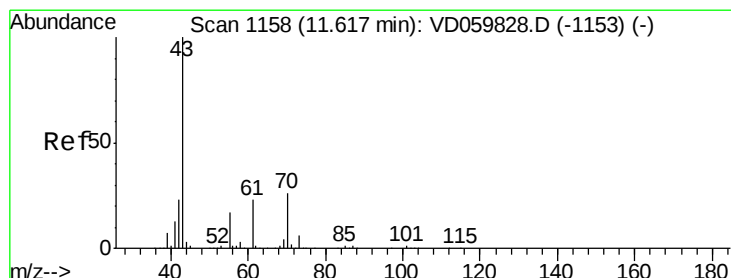
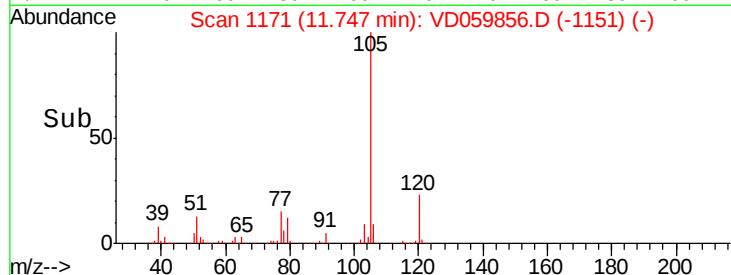
0

11.75

11.80

11.90

Time-->



#74

N-ethyl acetate

Concen: 66.073 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion: 43 Resp: 516277

Ion Ratio Lower Upper

43 100

70 24.3 20.5 30.7

55 17.1 13.7 20.5

61 21.2 18.0 27.0

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

200000

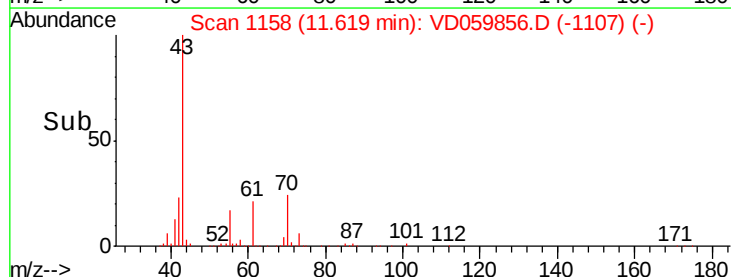
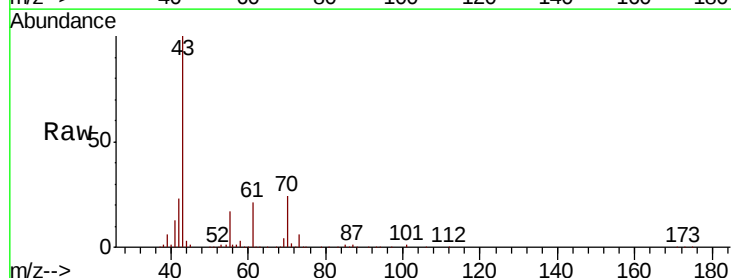
100000

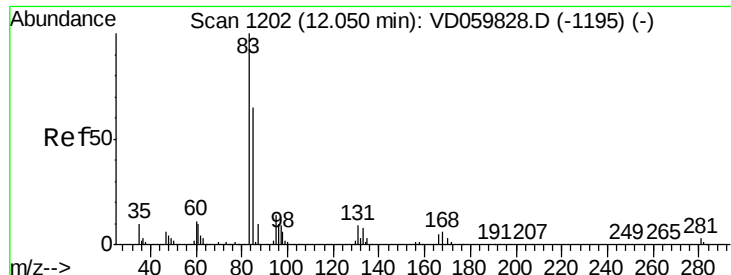
0

11.62

11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 92.047 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

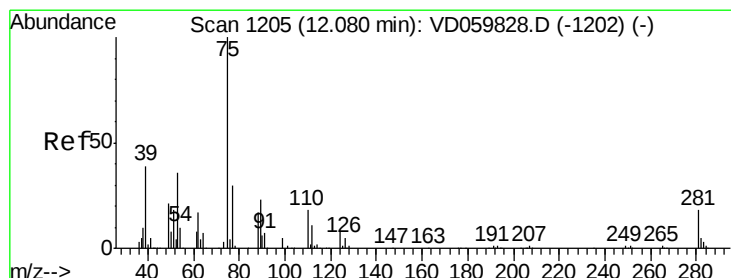
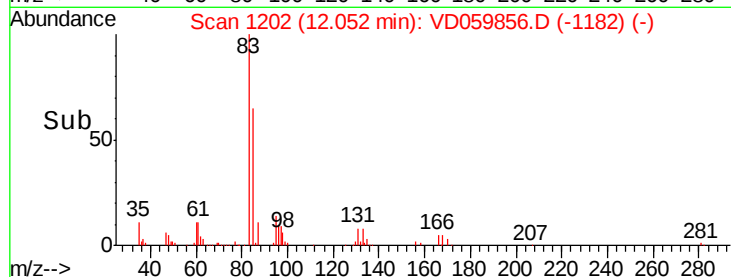
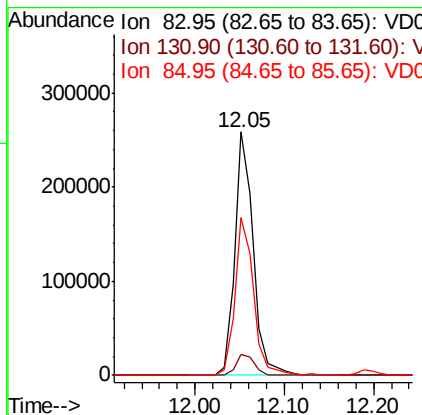
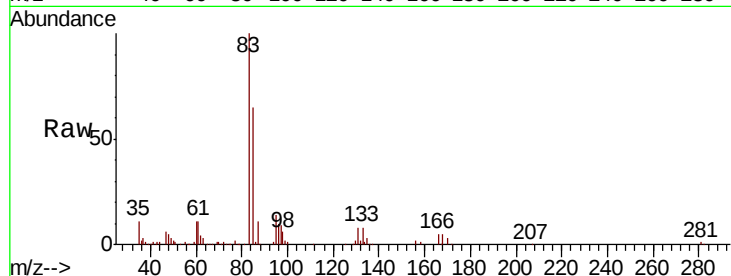
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	83	Resp:	378607
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	13.1
85	64.8	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 90.331 ug/l

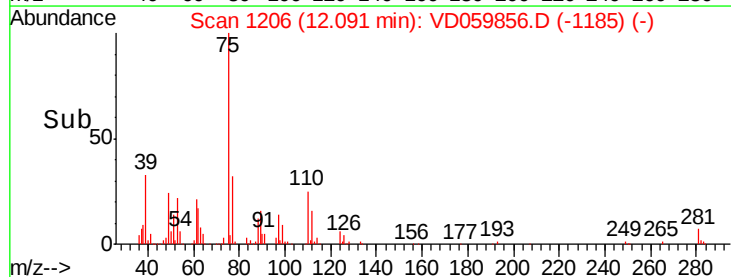
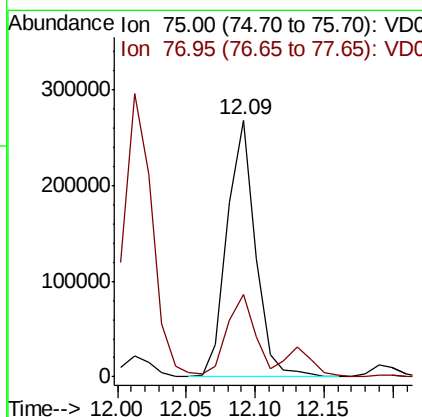
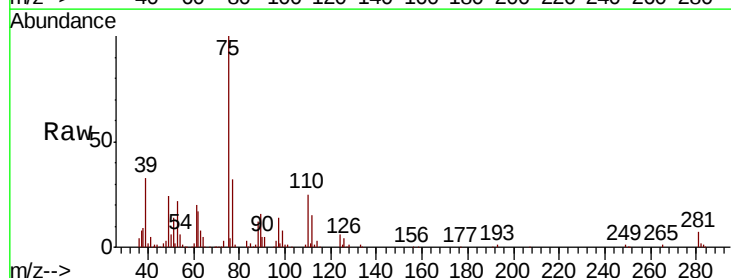
RT: 12.09 min Scan# 1206

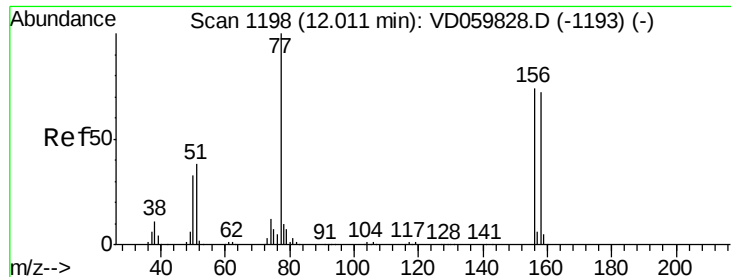
Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	75	Resp:	382665
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.0	47.9





#77

Bromobenzene

Concen: 68.539 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

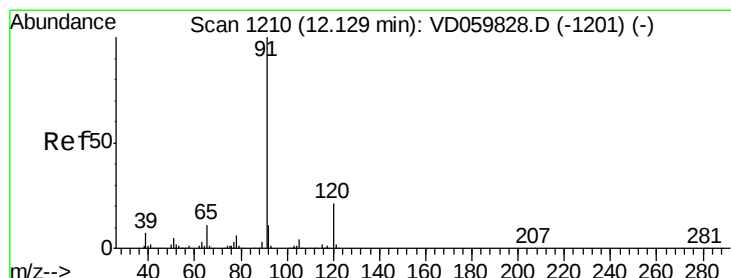
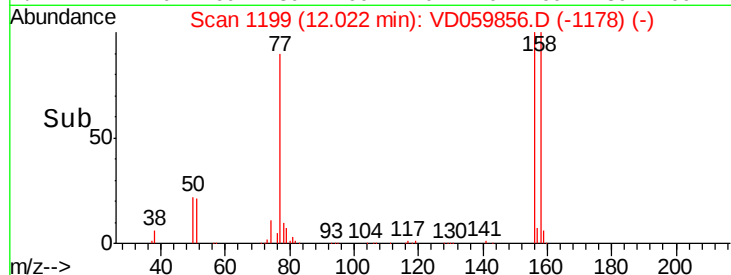
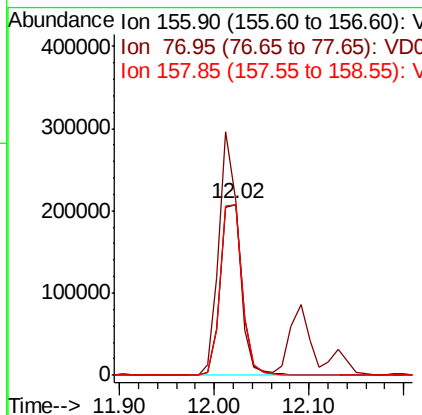
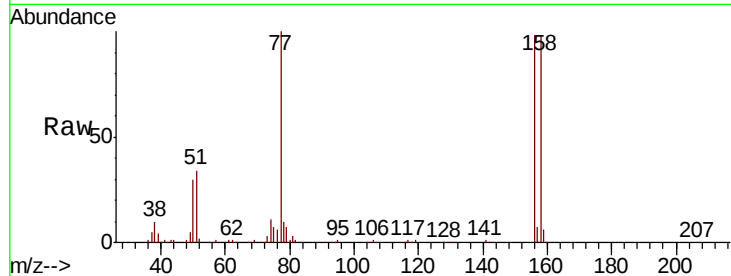
ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	332439		
77	101.9	68.0	204.0	
158	99.6	48.9	146.8	

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#78

n-propylbenzene

Concen: 54.876 ug/l

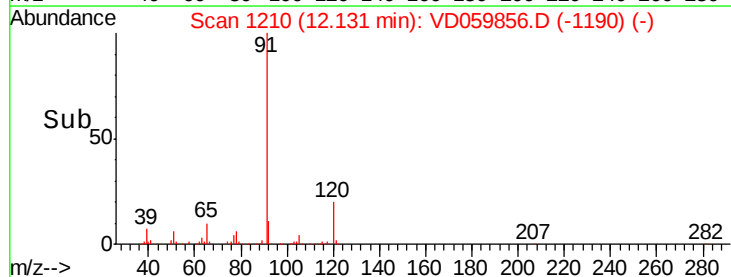
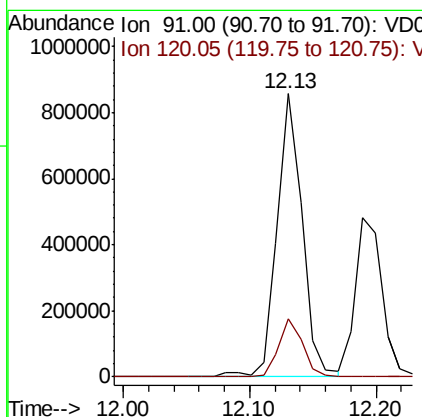
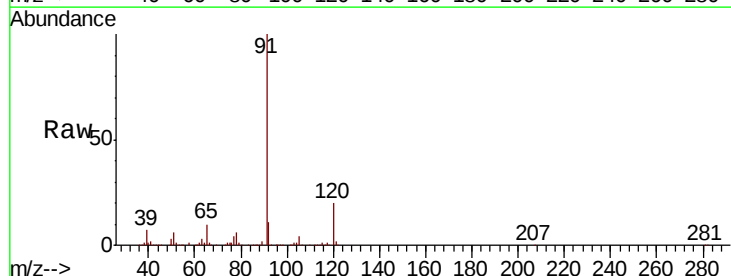
RT: 12.13 min Scan# 1210

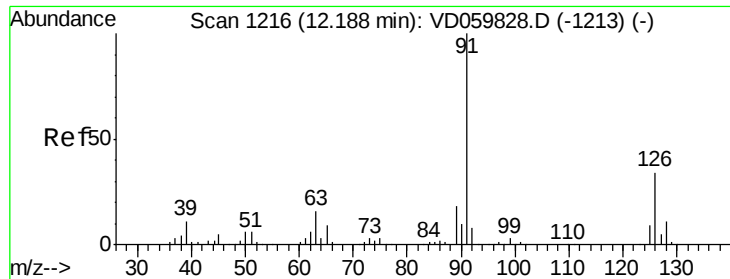
Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1189399		
120	20.3	10.5	31.5	





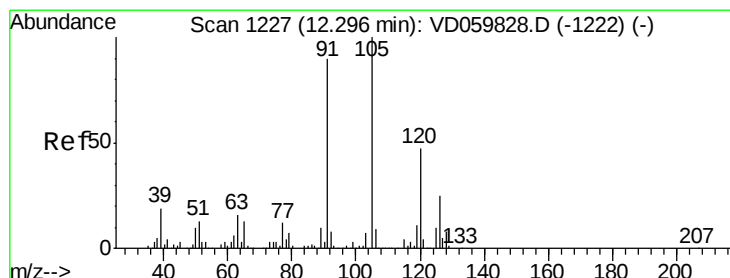
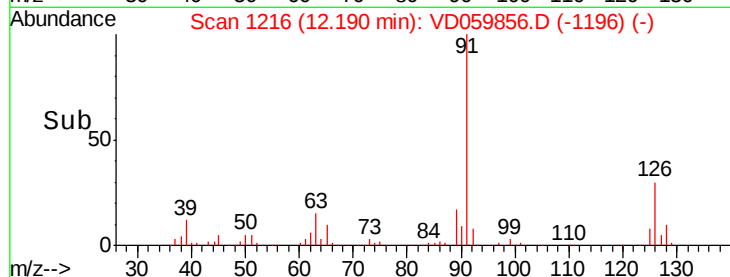
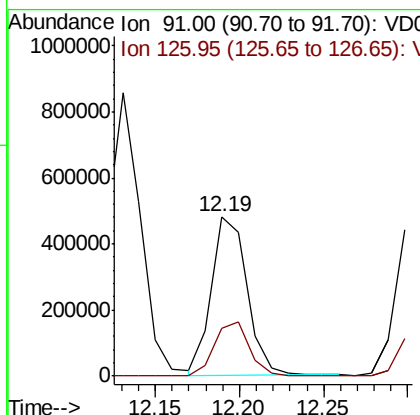
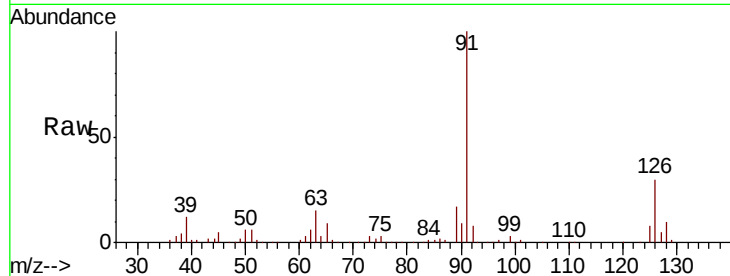
#79
 2-Chlorotoluene
 Concen: 56.453 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion: 91 Resp: 704424
 Ion Ratio Lower Upper
 91 100
 126 30.0 16.6 49.8

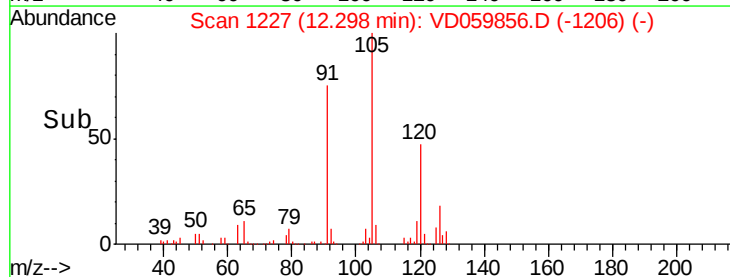
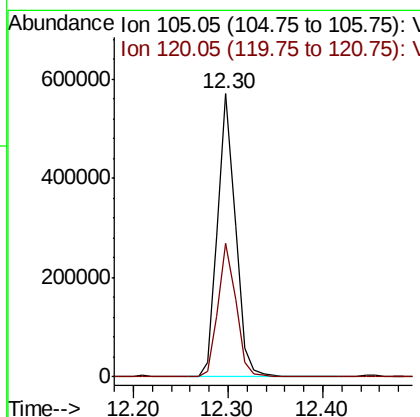
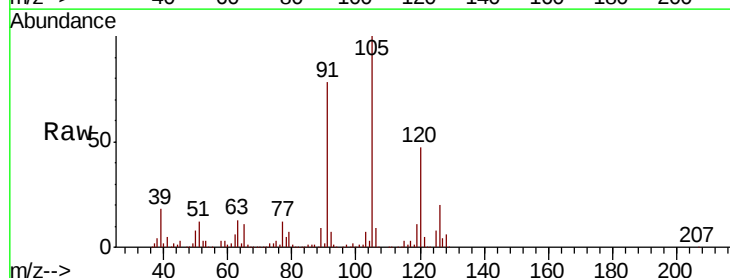
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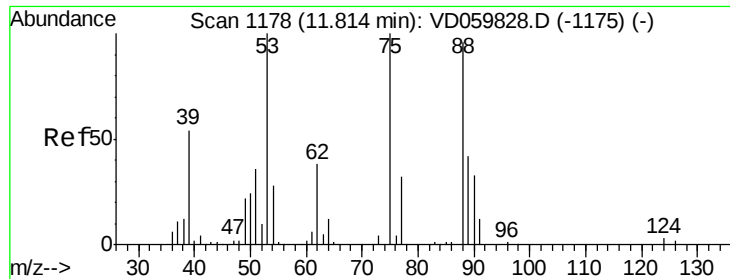
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#80
 1,3,5-Trimethylbenzene
 Concen: 60.956 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 105 Resp: 748038
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





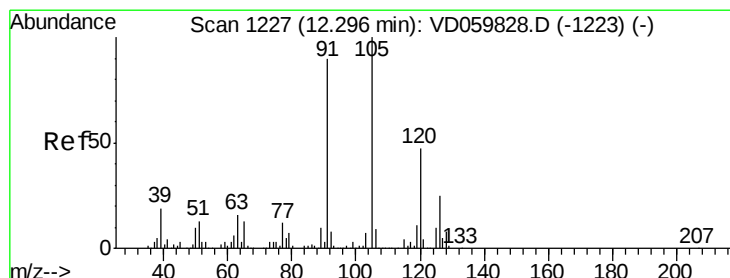
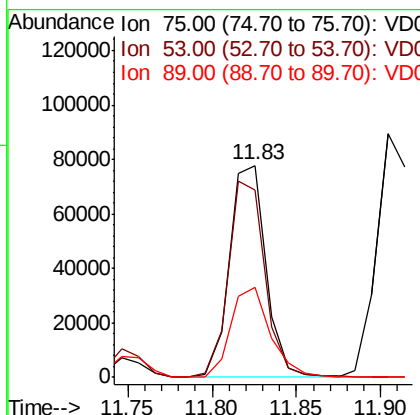
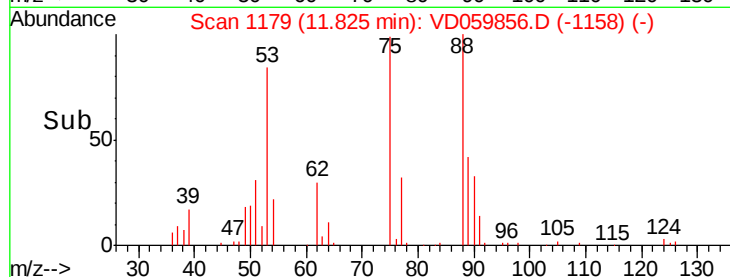
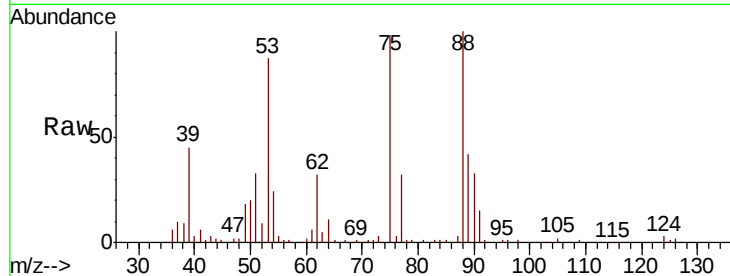
#81
trans-1,4-Dichloro-2-butene
Concen: 88.000 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116537		
53	88.4	80.7	121.1	
89	42.8	33.9	50.9	

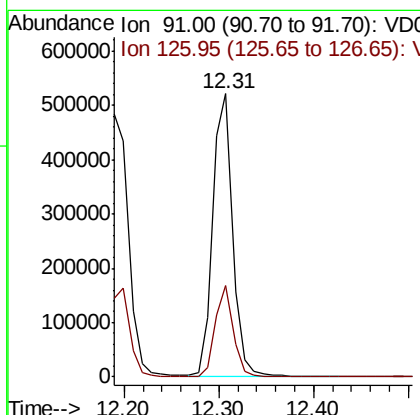
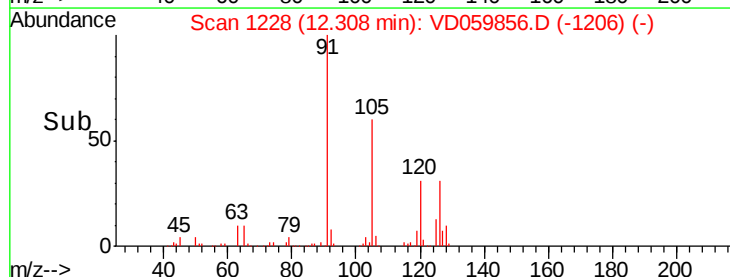
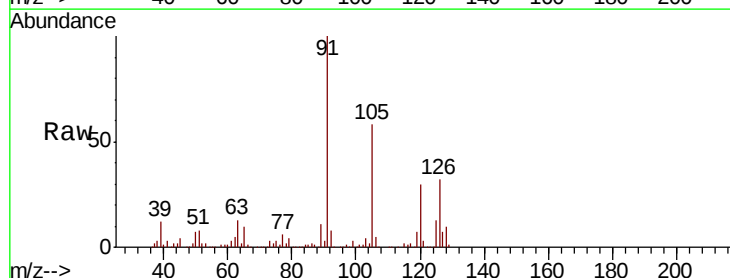
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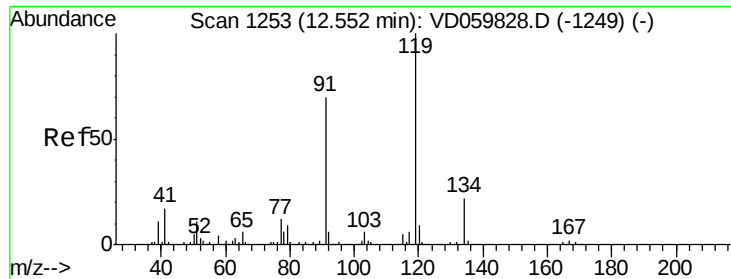
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#82
4-Chlorotoluene
Concen: 64.031 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	758090		
126	32.1	13.7	41.0	





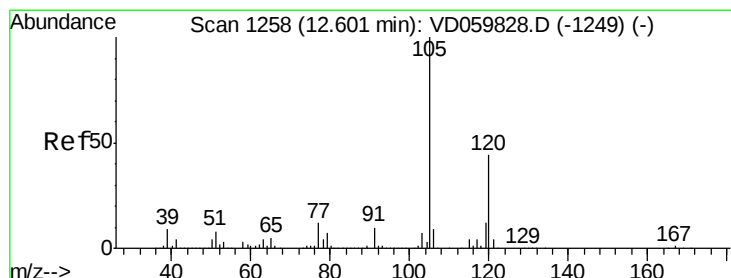
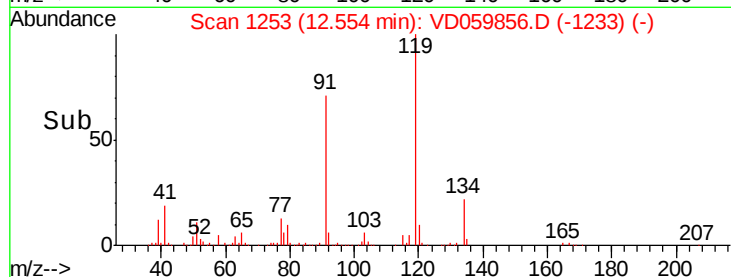
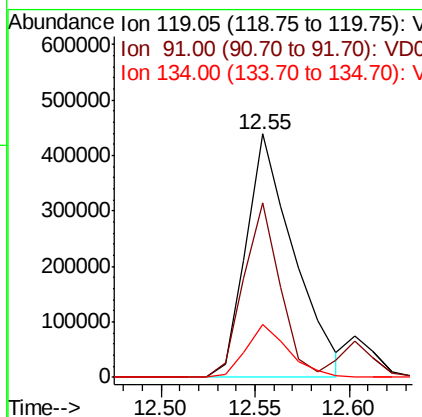
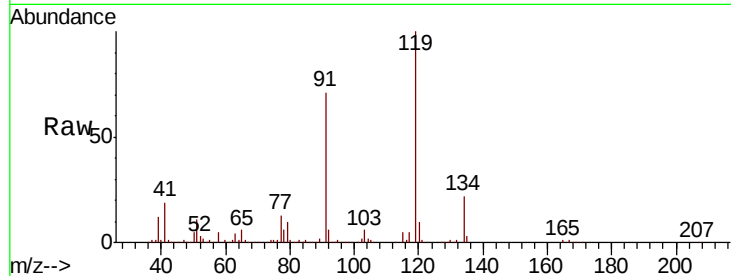
#83
 tert-Butylbenzene
 Concen: 56.816 ug/l m
 RT: 12.55 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	782093		
91	71.4	35.1	105.3	
134	21.9	11.0	33.0	

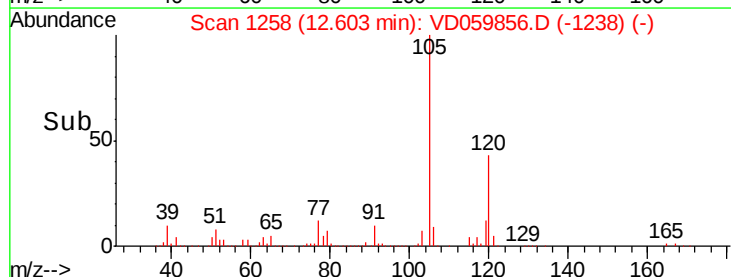
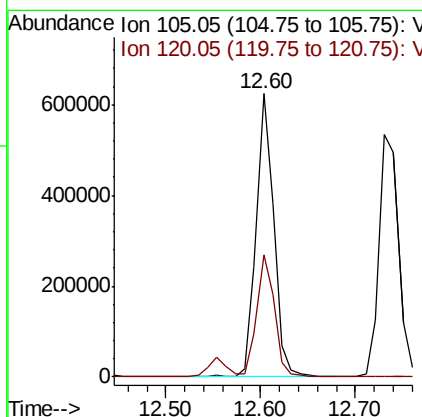
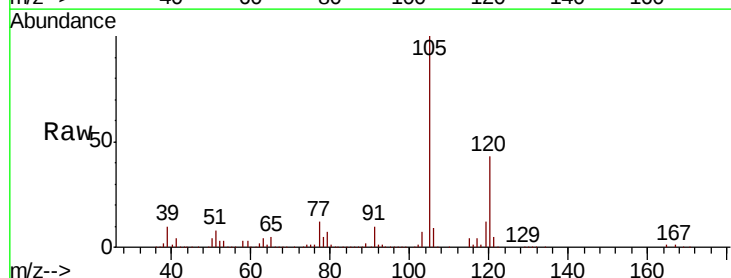
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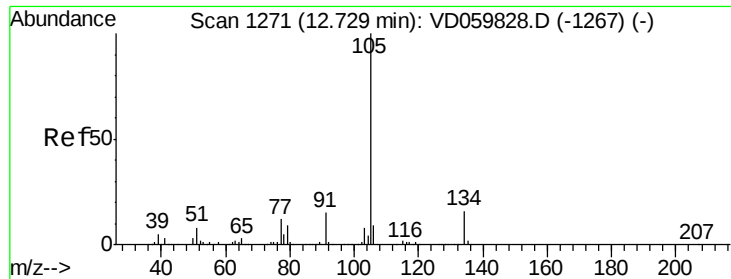
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.110 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	805689		
120	43.2	22.0	66.0	





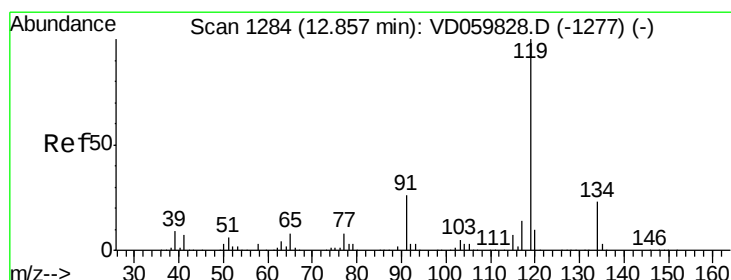
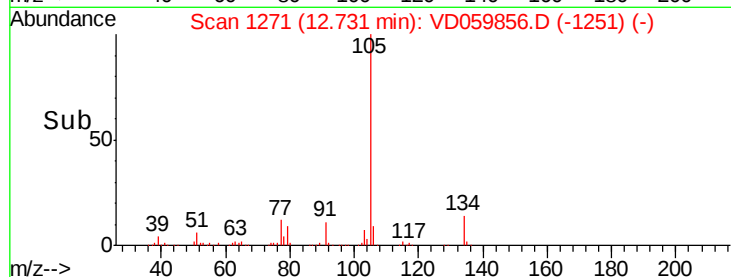
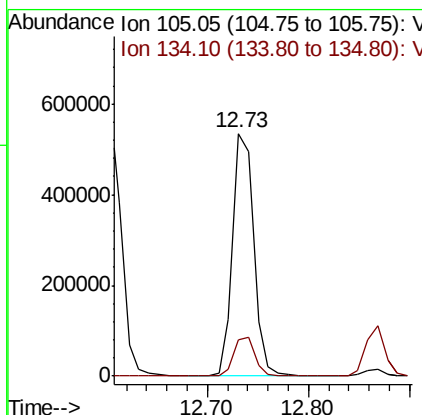
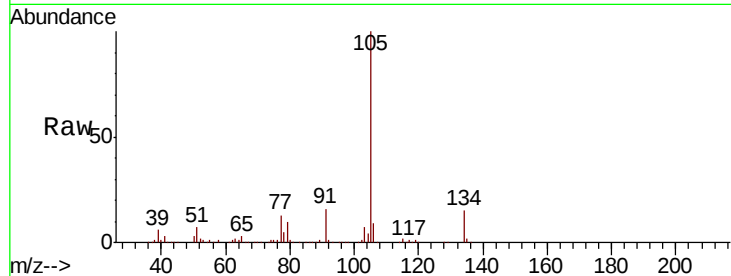
#85
 sec-Butylbenzene
 Concen: 42.323 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	772669		
134	14.8	7.8	23.5	

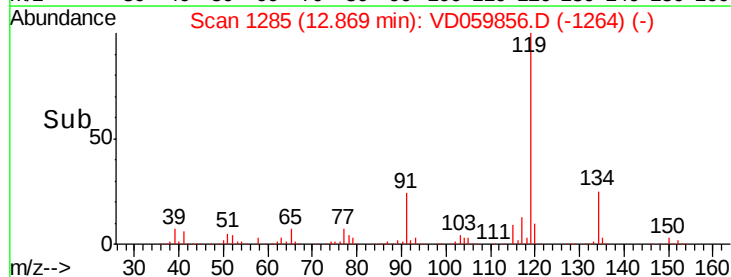
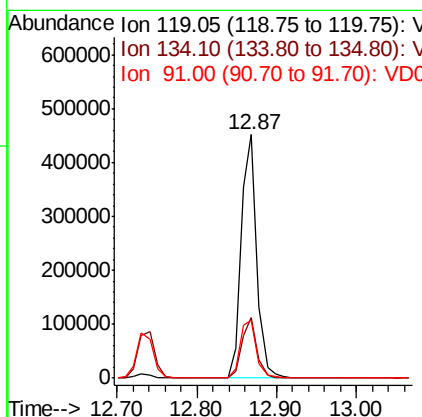
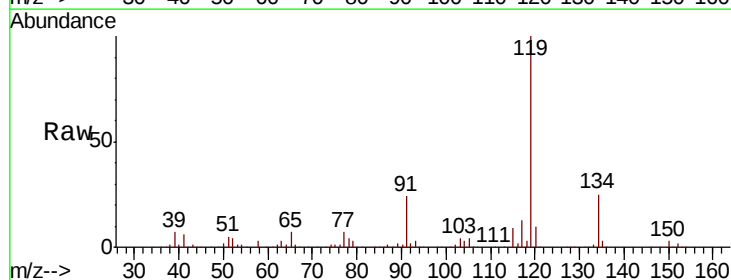
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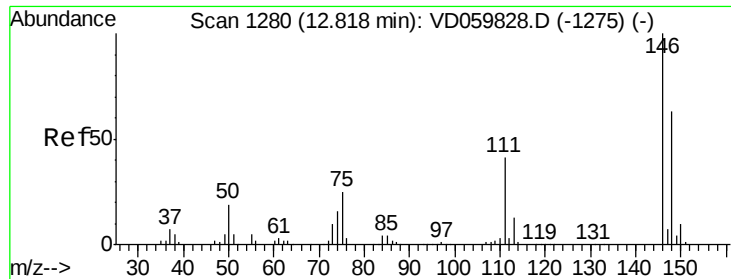
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#86
 p-Isopropyltoluene
 Concen: 42.701 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	611526		
134	24.8	11.5	34.5	
91	23.9	13.2	39.6	





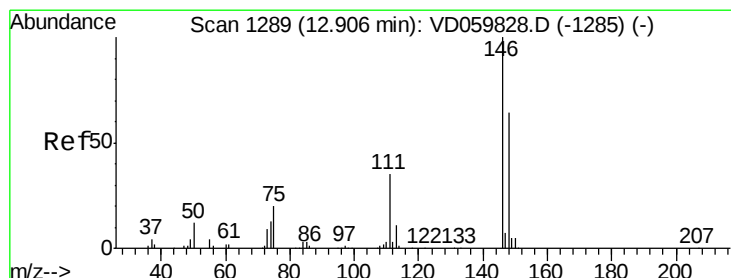
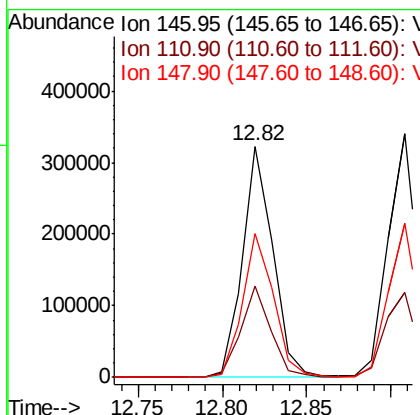
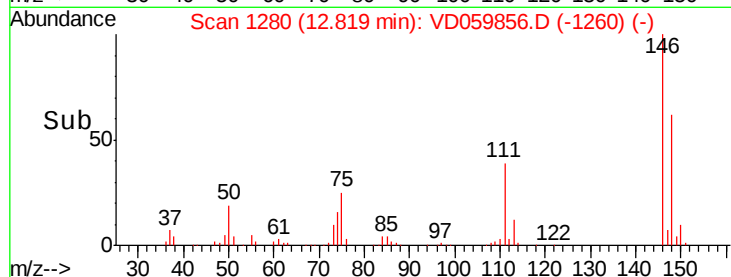
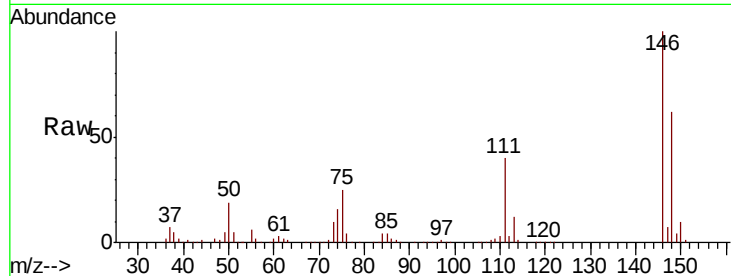
#87
 1,3-Dichlorobenzene
 Concen: 49.751 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	406240		
111	39.7	20.3	60.9	
148	62.2	31.6	94.7	

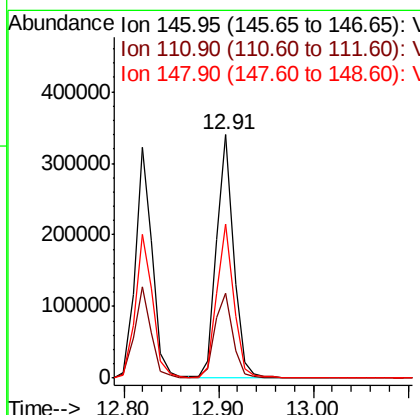
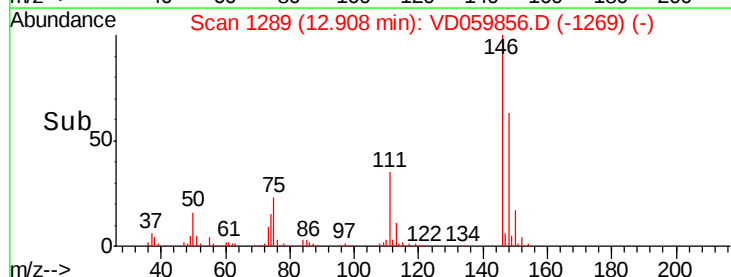
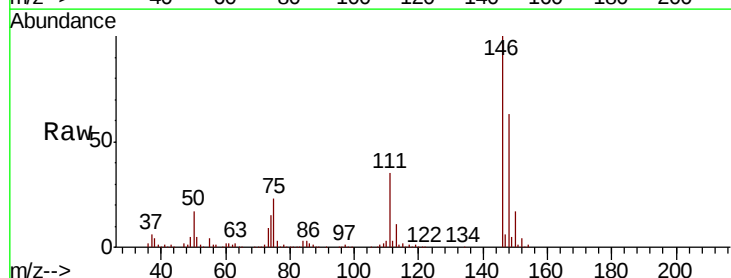
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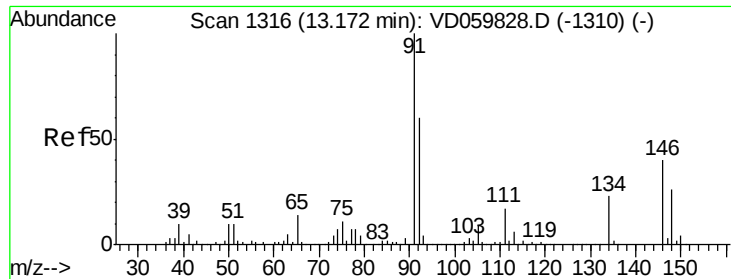
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#88
 1,4-Dichlorobenzene
 Concen: 52.711 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	426627		
111	34.6	17.8	53.3	
148	63.3	31.9	95.9	





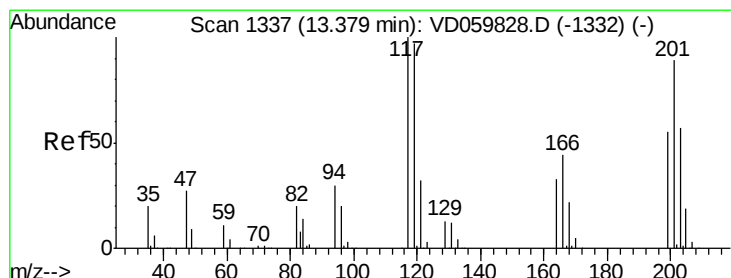
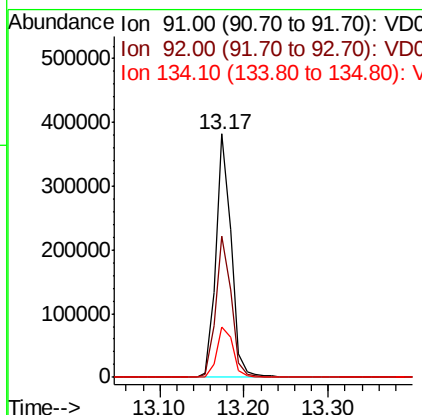
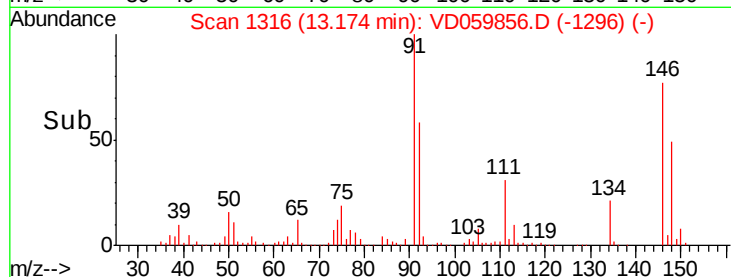
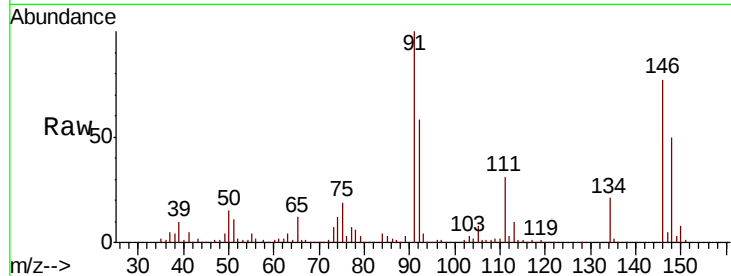
#89
n-Butylbenzene
Concen: 33.432 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	478101		
92	58.0	29.8	89.5	
134	20.8	11.5	34.4	

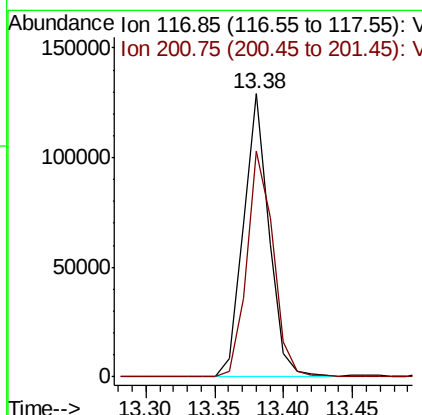
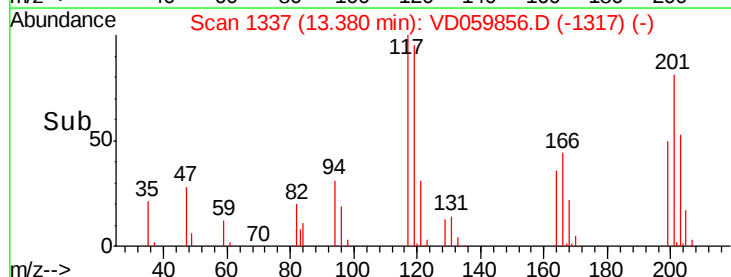
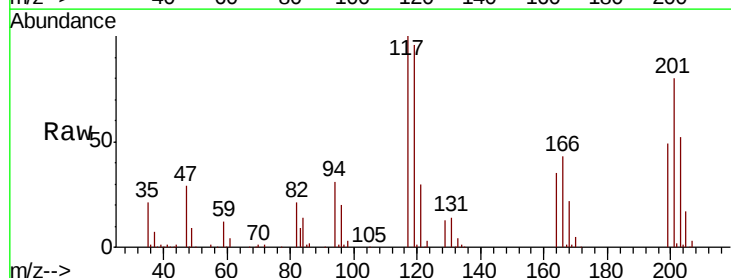
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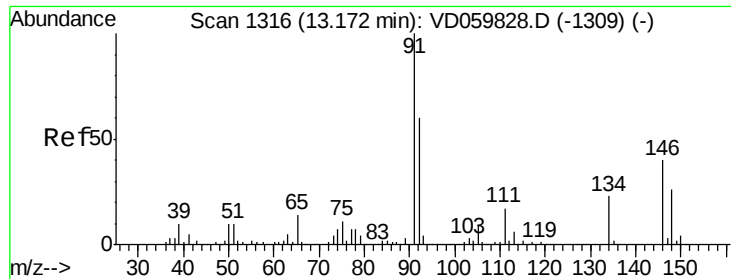
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#90
Hexachloroethane
Concen: 40.987 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	167476		
201	79.7	44.6	134.0	





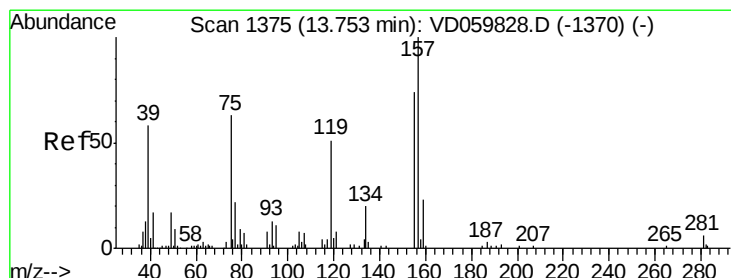
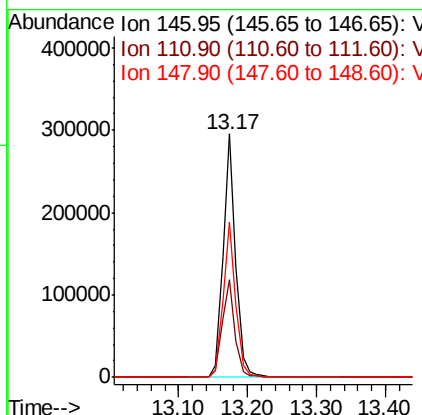
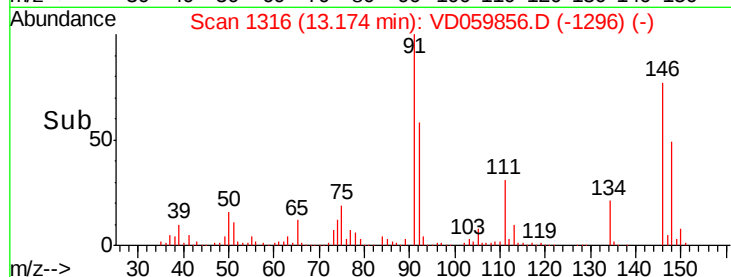
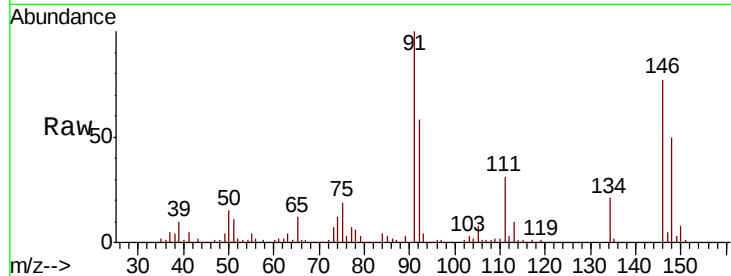
#91
 1,2-Dichlorobenzene
 Concen: 63.421 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	372640		
111	40.1	20.9	62.8	
148	64.0	31.6	94.8	

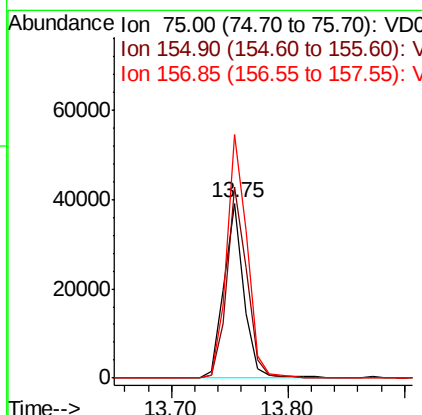
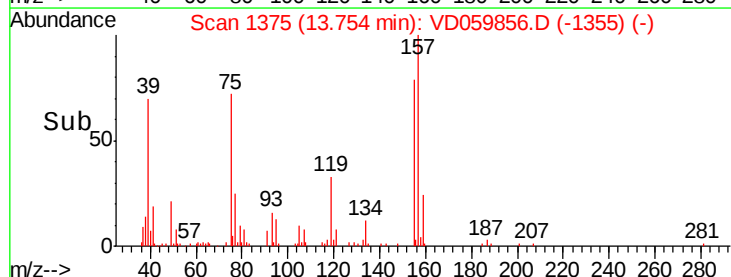
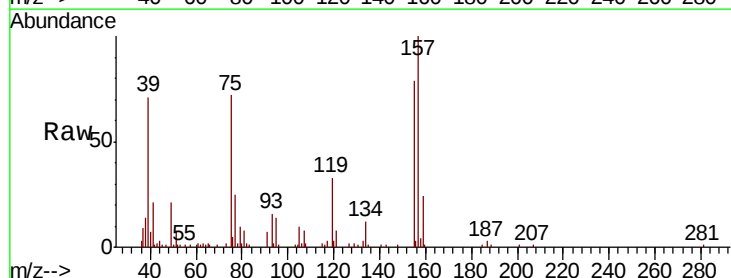
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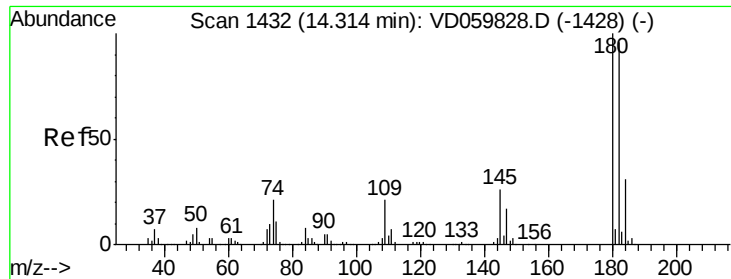
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.398 ug/l
 RT: 13.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46776		
155	109.5	59.1	177.3	
157	139.5	79.7	238.9	





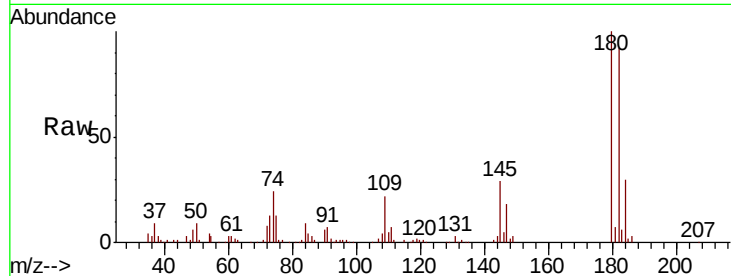
#93
 1,2,4-Trichlorobenzene
 Concen: 26.630 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	156120		
182	92.0	48.0	144.0	
145	29.1	13.1	39.1	

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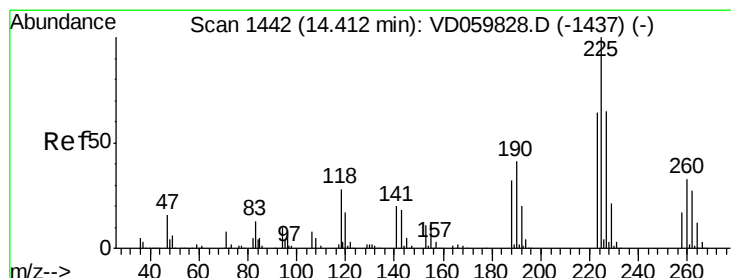
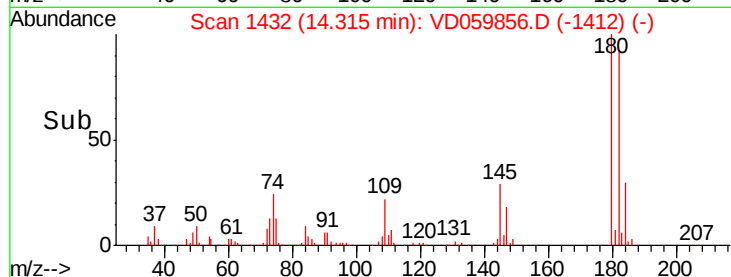
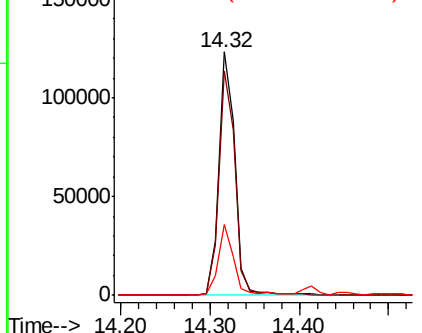


Abundance

Ion 179.85 (179.55 to 180.55): V

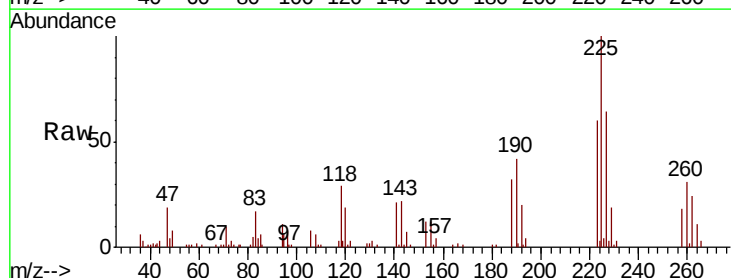
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 18.686 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73698		
223	59.7	31.8	95.4	
227	63.8	32.8	98.3	

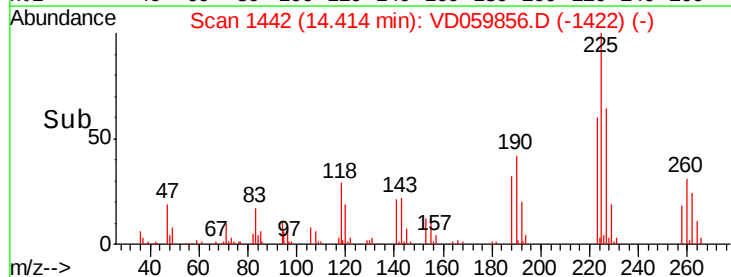
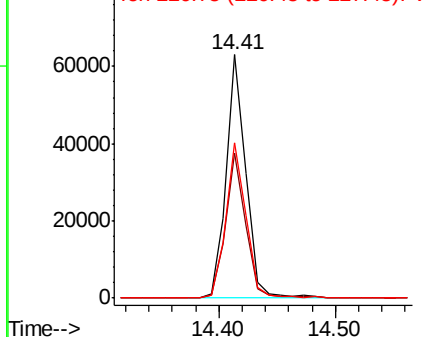


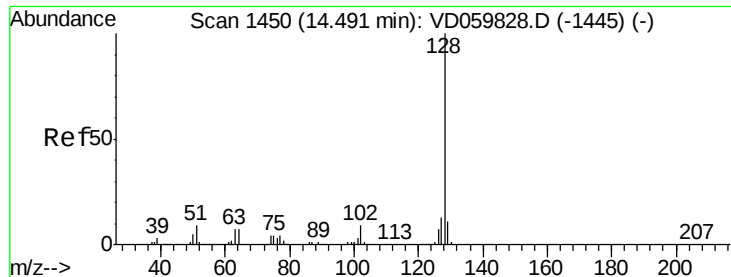
Abundance

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





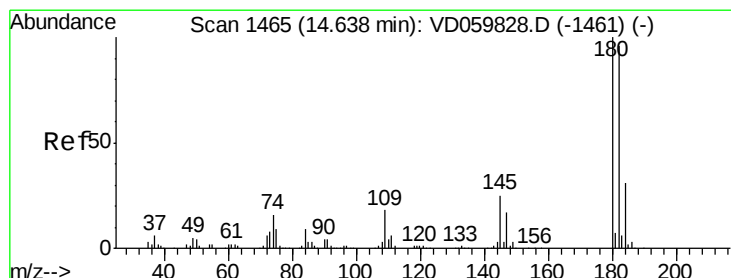
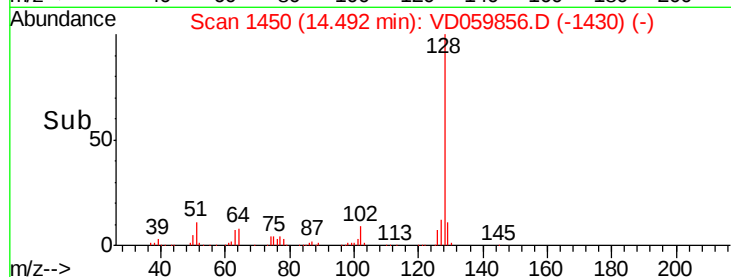
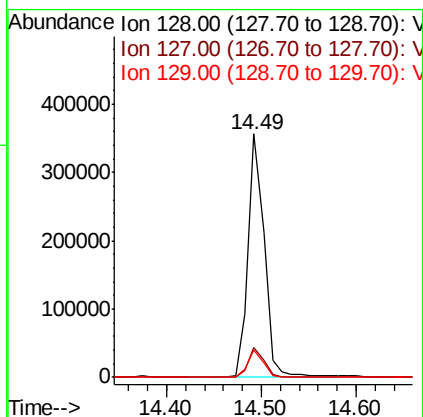
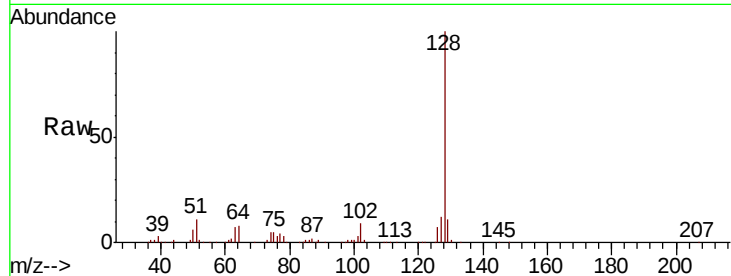
#95
Naphthalene
Concen: 44.039 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	421771		
127	12.3	10.1	15.1	
129	11.3	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 24.791 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127371		
182	98.6	47.8	143.4	
145	31.0	12.7	38.0	

