

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059943.D
 Acq On : 4 Sep 2018 14:14
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/5/2018 12:25:35 PM

Quant Time: Sep 05 04:00:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1251578	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1705231	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1425930	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	775625	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	508725	48.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	6.30	113	678106	50.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	9.44	98	1873389	50.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.42	95	755495	50.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	477069	42.64	ug/l	99
3) Chloromethane	1.73	50	404914	39.95	ug/l	99
4) Vinyl Chloride	1.82	62	361539	45.49	ug/l	100
5) Bromomethane	2.12	94	54595	39.79	ug/l	87
6) Chloroethane	2.22	64	109215	40.54	ug/l	99
7) Trichlorofluoromethane	2.47	101	431239	46.91	ug/l	97
8) Diethyl Ether	2.80	74	98218	47.62	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	288148	51.18	ug/l	95
10) Methyl Iodide	3.21	142	269920	45.35	ug/l	99
11) Tert butyl alcohol	3.95	59	213891	265.73	ug/l	100
12) 1,1-Dichloroethene	3.03	96	214996	49.05	ug/l	98
13) Acrolein	2.95	56	79153	226.73	ug/l	88
14) Allyl chloride	3.49	41	506358	51.06	ug/l	97
15) Acrylonitrile	4.05	53	775674	257.34	ug/l	99
16) Acetone	3.13	43	555265	288.92	ug/l	99
17) Carbon Disulfide	3.28	76	610396	44.86	ug/l	99
18) Methyl Acetate	3.52	43	228703	57.00	ug/l	97
19) Methyl tert-butyl Ether	4.08	73	1211193	48.85	ug/l	99
20) Methylene Chloride	3.68	84	743971	58.64	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	593372	49.13	ug/l	100
22) Diisopropyl ether	4.82	45	2482896	49.10	ug/l	98
23) Vinyl Acetate	4.77	43	7175850	253.83	ug/l	98
24) 1,1-Dichloroethane	4.71	63	1081632	49.51	ug/l	100
25) 2-Butanone	5.59	43	1532913	269.31	ug/l	98
26) 2,2-Dichloropropane	5.55	77	858342	47.00	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	657635	49.73	ug/l	97
28) Bromochloromethane	5.90	49	509086	48.62	ug/l	90
29) Tetrahydrofuran	5.92	42	710238	262.10	ug/l	98
30) Chloroform	6.07	83	1105594	49.79	ug/l	99
31) Cyclohexane	6.34	56	873970	43.51	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	926191	49.15	ug/l	98
36) 1,1-Dichloropropene	6.50	75	786839	50.90	ug/l	99
37) Ethyl Acetate	5.67	43	601829	50.03	ug/l	95
38) Carbon Tetrachloride	6.47	117	771903	49.48	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	823729	49.32	ug/l	98
40) Benzene	6.76	78	2053158	51.08	ug/l	100
41) Methacrylonitrile	5.91	41	329953m	54.45	ug/l	
42) 1,2-Dichloroethane	6.87	62	634648	49.19	ug/l	99
43) Isopropyl Acetate	8.33	43	828358	52.93	ug/l #	100
44) Trichloroethene	7.72	130	623805	52.71	ug/l	99
45) 1,2-Dichloropropane	8.08	63	576917	51.35	ug/l	97
46) Dibromomethane	8.19	93	380577	52.68	ug/l	99
47) Bromodichloromethane	8.46	83	836050	51.12	ug/l	99
48) Methyl methacrylate	8.23	41	462023	50.65	ug/l	97
49) 1,4-Dioxane	8.21	88	92893	1140.59	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	3297978	282.68	ug/l	99
52) Toluene	9.53	92	1325251	51.42	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	775385	51.26	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	893088	50.92	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	465462	49.41	ug/l	98
56) Ethyl methacrylate	10.02	69	564511	51.92	ug/l	95
57) 1,3-Dichloropropane	10.36	76	713051	52.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1446870	277.39	ug/l	94
59) 2-Hexanone	10.47	43	2420121	281.24	ug/l	100
60) Dibromochloromethane	10.63	129	615431	51.97	ug/l	97
61) 1,2-Dibromoethane	10.75	107	495217	51.99	ug/l	98
64) Tetrachloroethene	10.24	164	566184	51.35	ug/l	99
65) Chlorobenzene	11.30	112	1505500	53.13	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	539914	52.15	ug/l	100
67) Ethyl Benzene	11.42	91	2431047	51.00	ug/l	97
68) m/p-Xylenes	11.55	106	1794577	103.39	ug/l	99
69) o-Xylene	11.93	106	900001	53.02	ug/l	97
70) Styrene	11.95	104	1547076	52.63	ug/l	98
71) Bromoform	12.10	173	477164	53.27	ug/l	99
73) Isopropylbenzene	12.26	105	2469866	49.88	ug/l	100
74) N-amyl acetate	12.12	43	1046946	48.29	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.56	83	591337	51.63	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	615126	51.03	ug/l	98
77) Bromobenzene	12.53	156	724829	52.80	ug/l	94
78) n-propylbenzene	12.63	91	3119544	49.76	ug/l	100
79) 2-Chlorotoluene	12.70	91	1738522	49.03	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	1914350	48.63	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	179711	47.92	ug/l	98
82) 4-Chlorotoluene	12.80	91	1946999	48.14	ug/l	98
83) tert-Butylbenzene	13.04	119	2200131	49.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1978098	48.21	ug/l	96
85) sec-Butylbenzene	13.22	105	2668883	50.61	ug/l	95
86) p-Isopropyltoluene	13.33	119	2124112	49.53	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1251699	51.07	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	1275770	52.18	ug/l	99
89) n-Butylbenzene	13.64	91	2132493	52.73	ug/l	99
90) Hexachloroethane	13.85	117	546169	47.43	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1102187	52.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	86499	49.13	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	920823	51.61	ug/l	99
94) Hexachlorobutadiene	14.87	225	620060	53.02	ug/l	99
95) Naphthalene	14.96	128	1449204	53.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	799458	52.39	ug/l	99

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

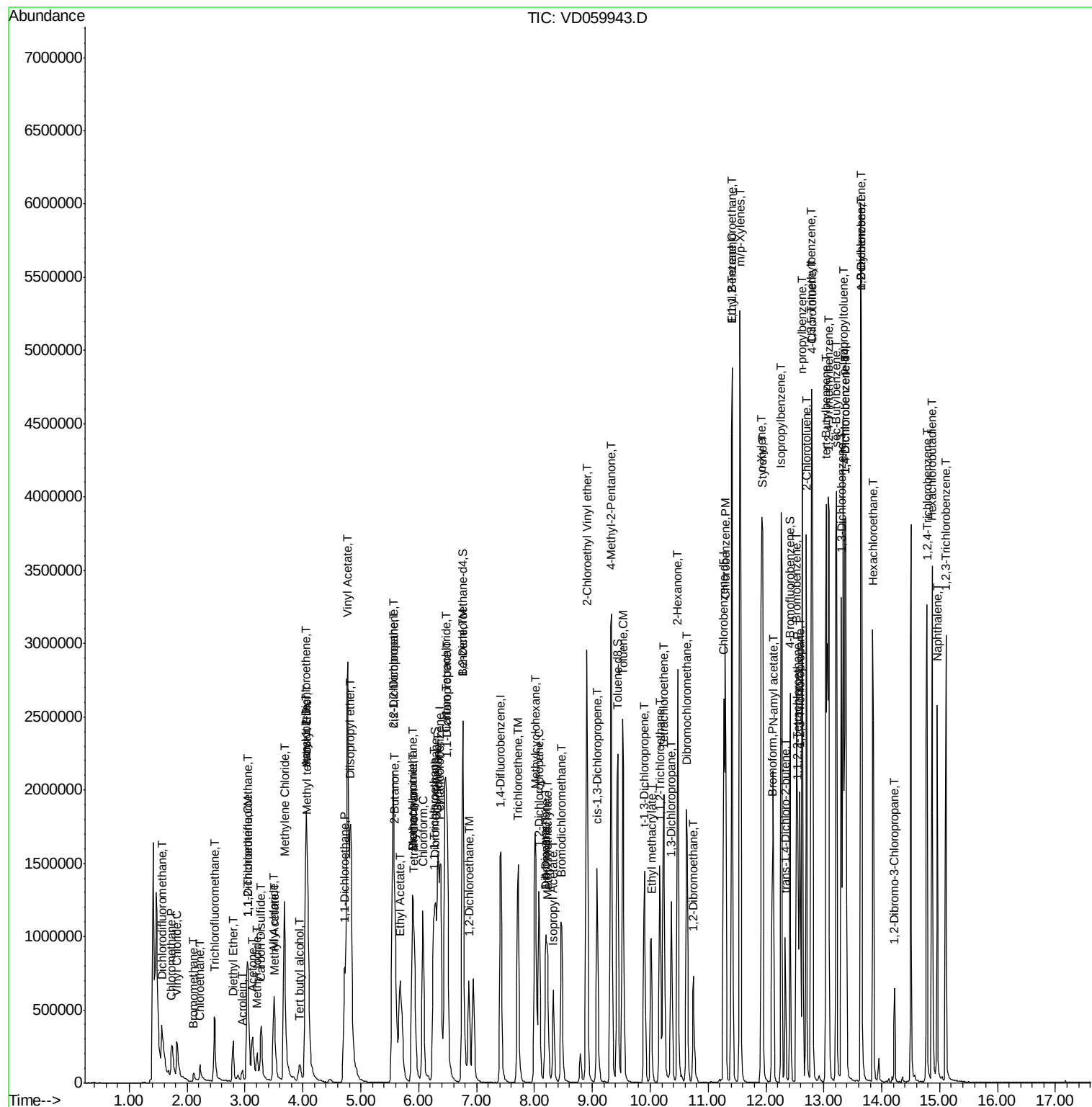
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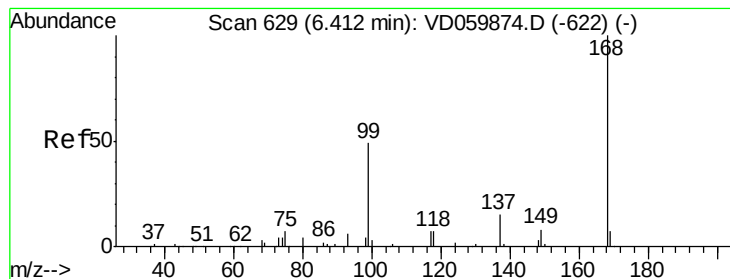
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1251578

Ion Ratio Lower Upper

168 100

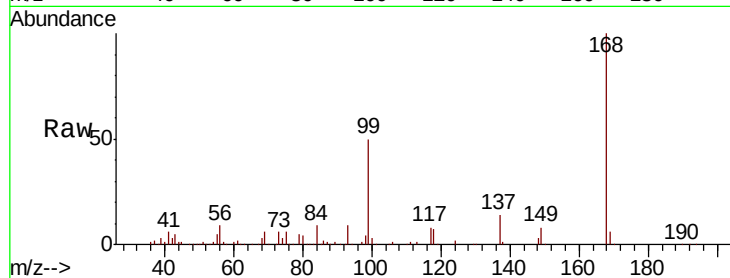
99 49.6 42.2 63.2

Manual Integrations

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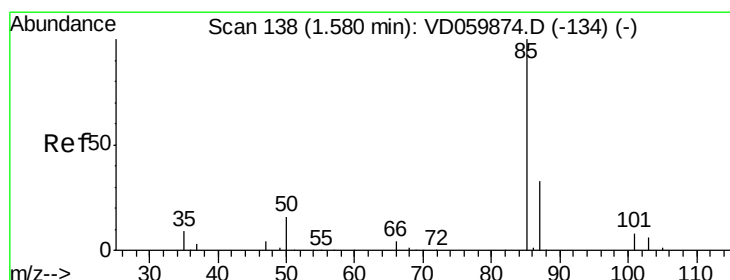
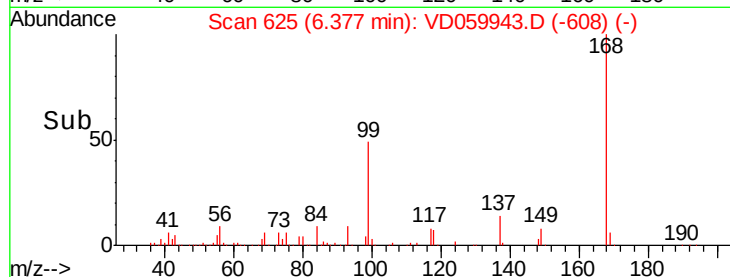
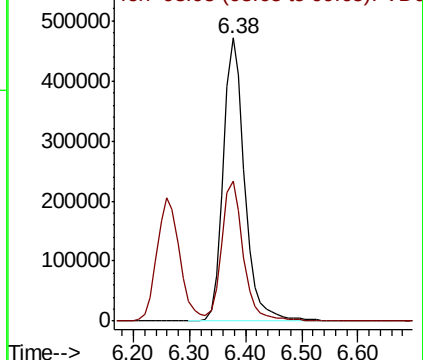
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.64 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059943.D

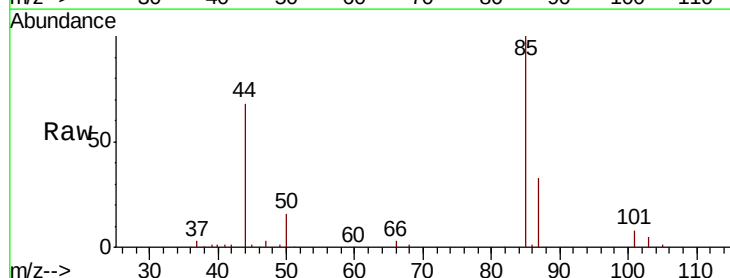
Acq: 4 Sep 2018 14:14

Tgt Ion: 85 Resp: 477069

Ion Ratio Lower Upper

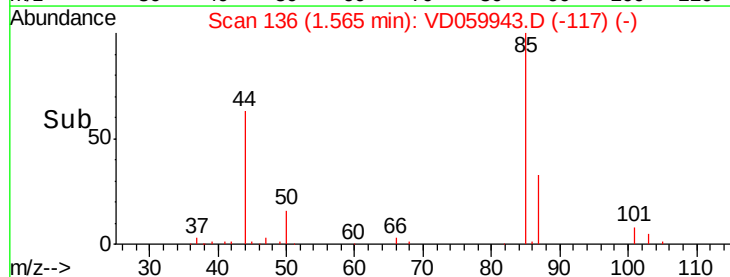
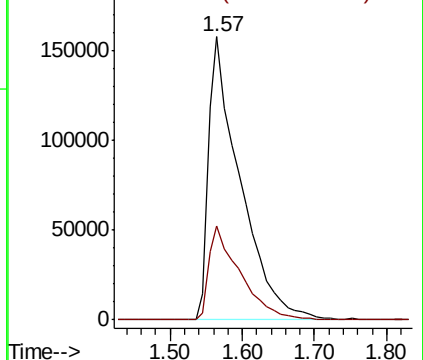
85 100

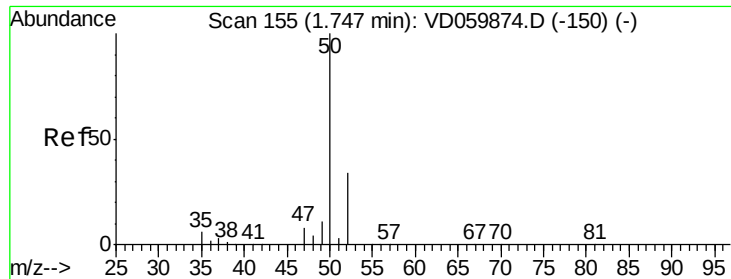
87 33.0 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.95 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 404914

Ion Ratio Lower Upper

50 100

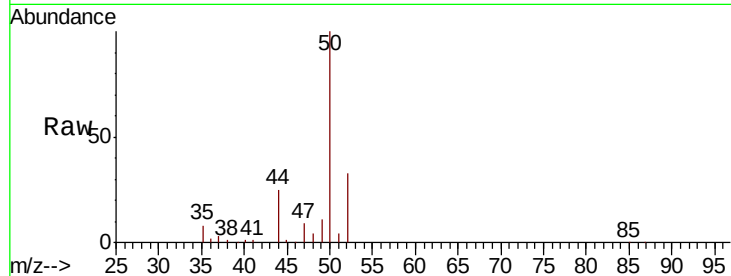
52 33.3 27.0 40.6

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

1.73

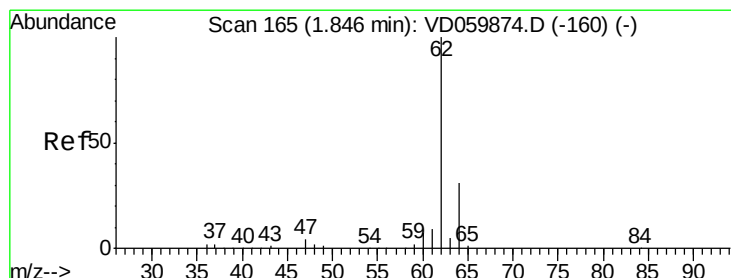
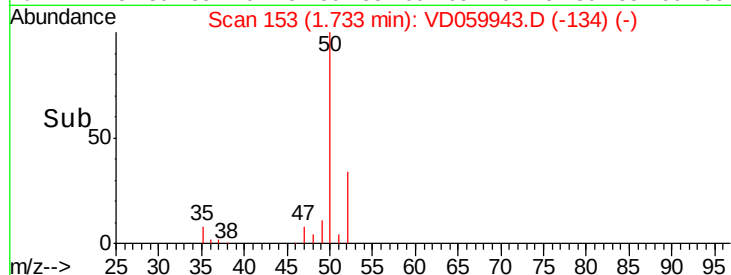
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.49 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059943.D

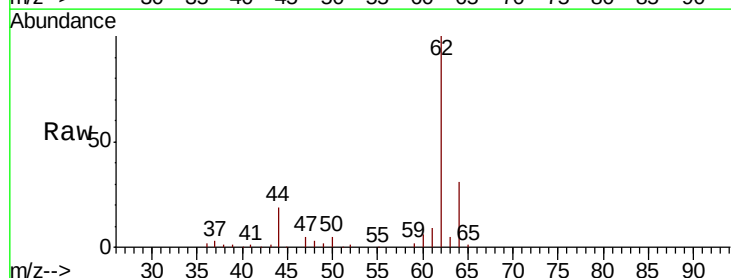
Acq: 4 Sep 2018 14:14

Tgt Ion: 62 Resp: 361539

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.82

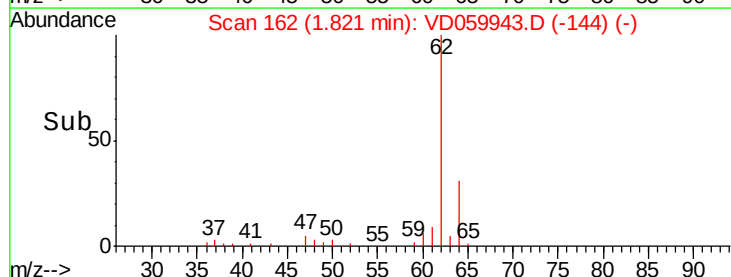
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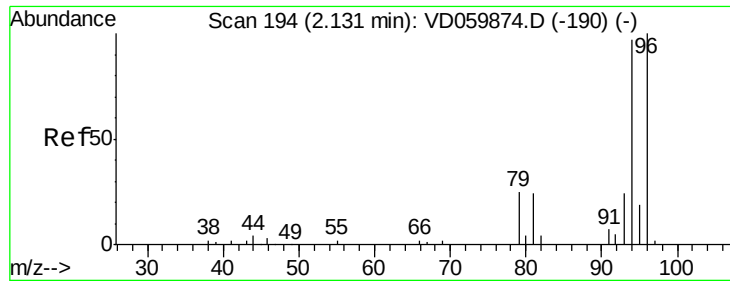
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50000

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Time-->





#5

Bromomethane

Concen: 39.79 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tot Ion: 94 Resp: 54595

Ion Ratio Lower Upper

94 100

96 89.5 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

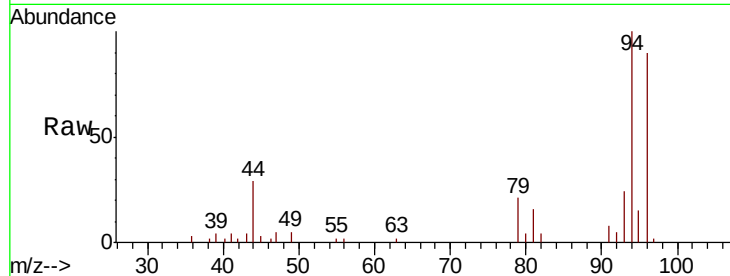
VSTDCCC050

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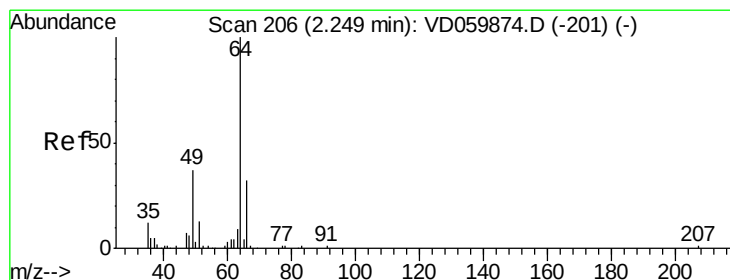
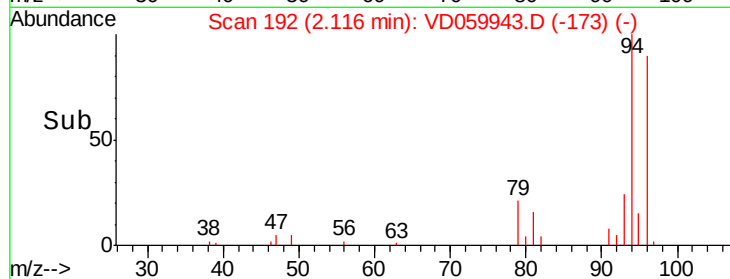
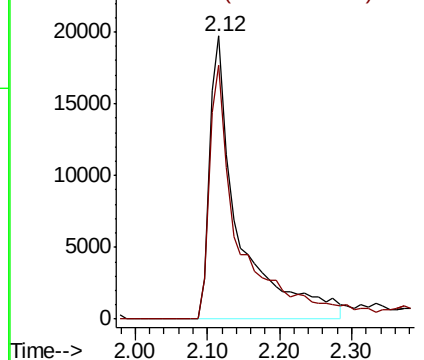
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.54 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD059943.D

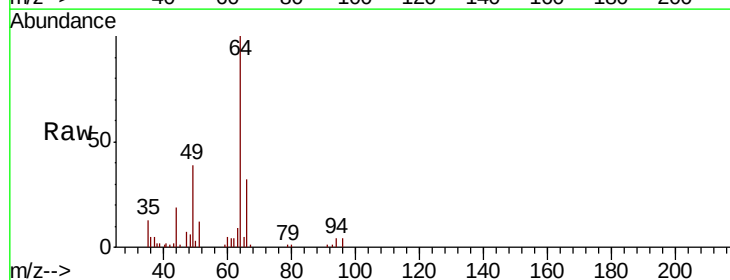
Acq: 4 Sep 2018 14:14

Tgt Ion: 64 Resp: 109215

Ion Ratio Lower Upper

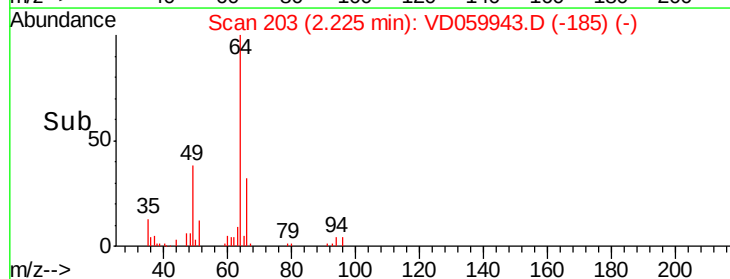
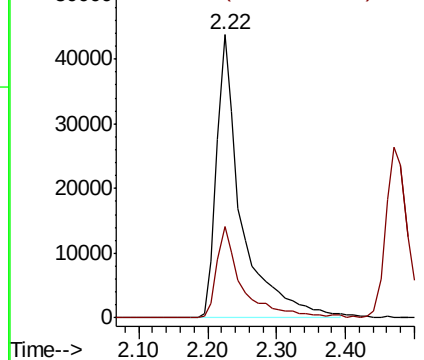
64 100

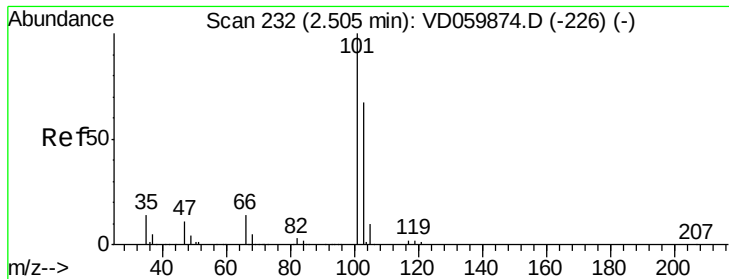
66 32.3 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

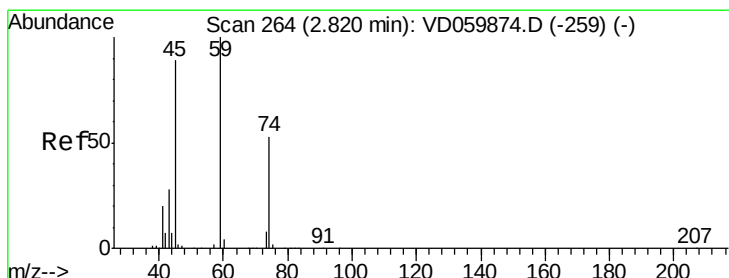
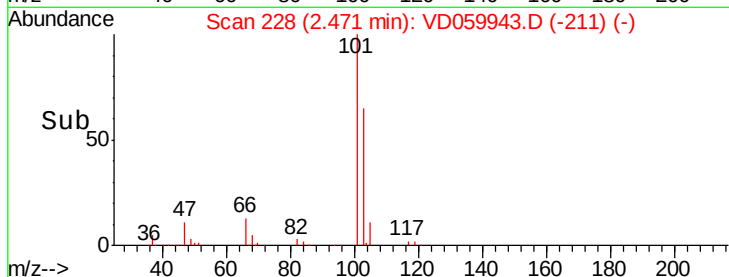
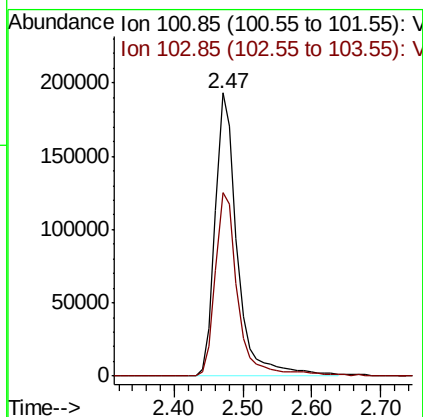
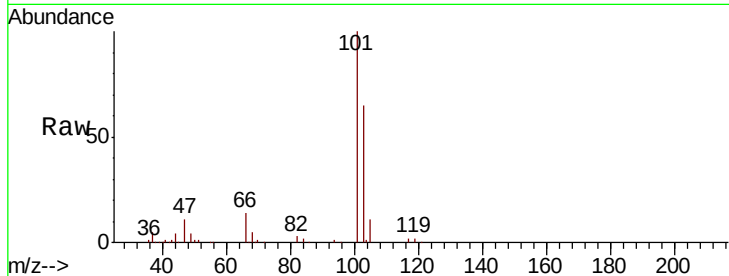
Trichlorofluoromethane
Concen: 46.91 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	431239		
103	64.8	53.7	80.5	

Manual Integrations
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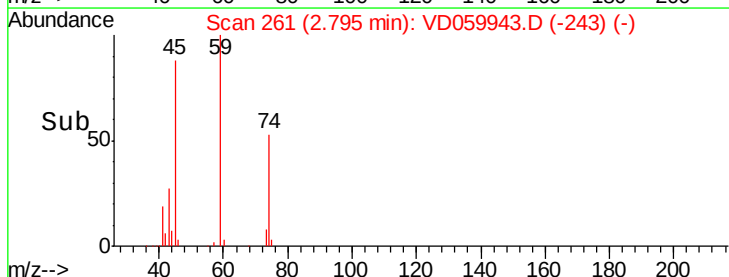
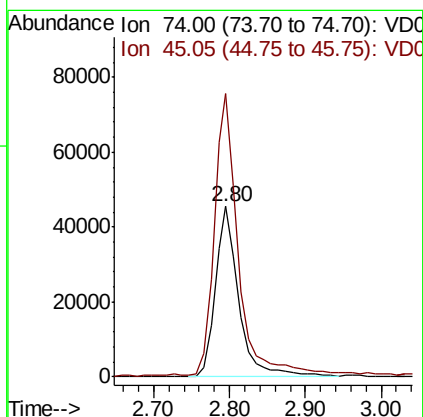
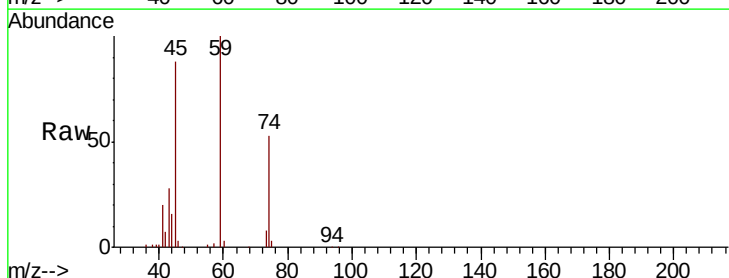
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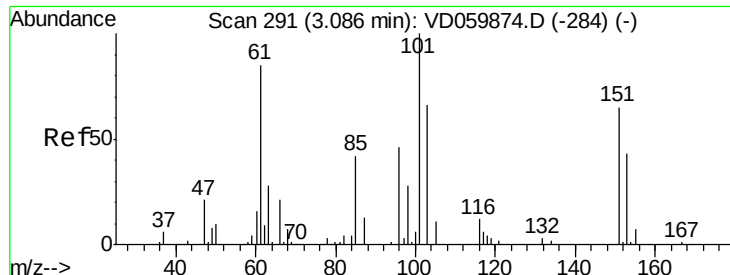


#8

Diethyl Ether
Concen: 47.62 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98218		
45	165.8	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.18 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

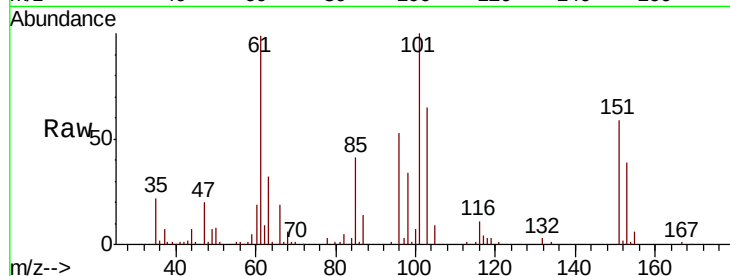
ClientSampleId :

VSTDCCC050

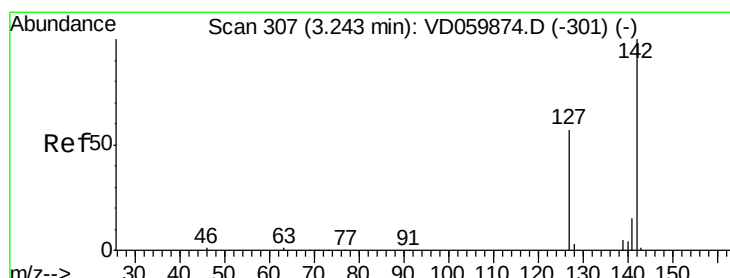
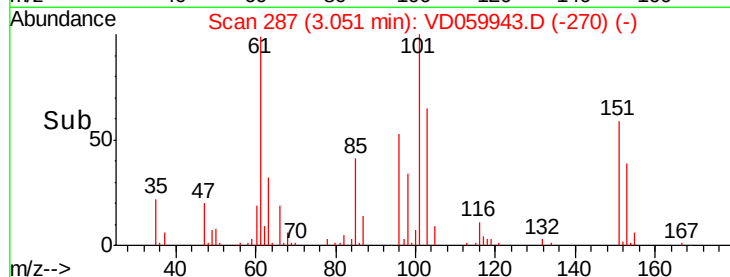
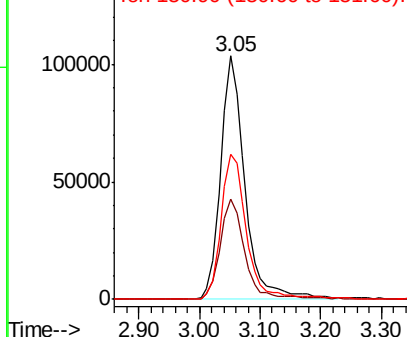
Tot Ion:	101	Resp:	288148
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.6	50.4
151	59.4	52.0	78.0

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



#10

Methyl Iodide

Concen: 45.35 ug/l

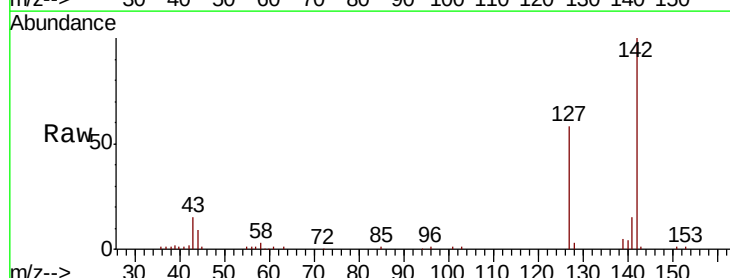
RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

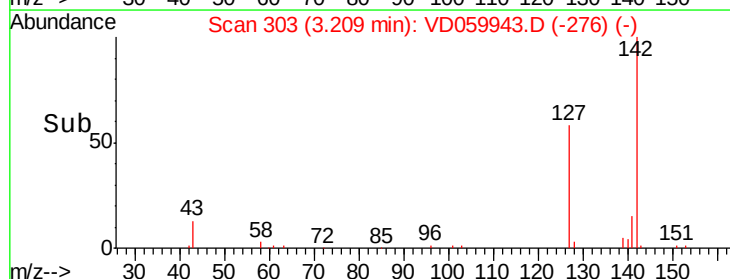
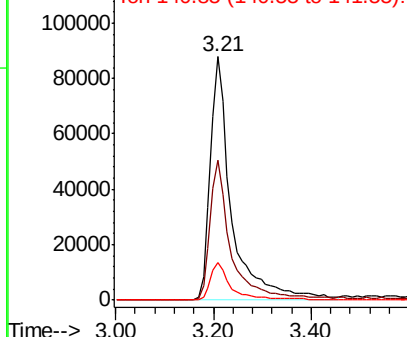
Lab File: VD059943.D

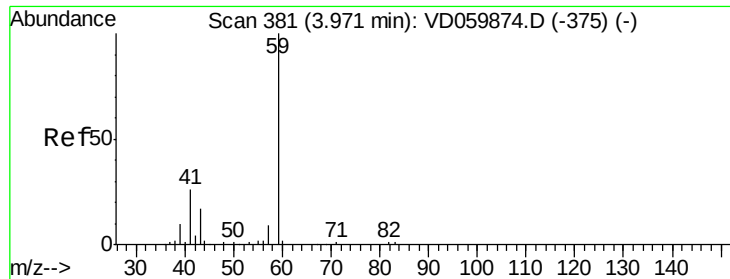
Acq: 4 Sep 2018 14:14

Tgt Ion:	142	Resp:	269920
Ion Ratio	Lower	Upper	
142	100		
127	57.6	45.8	68.6
141	15.4	11.6	17.4



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





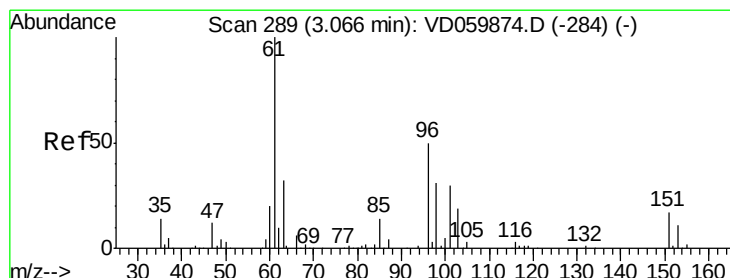
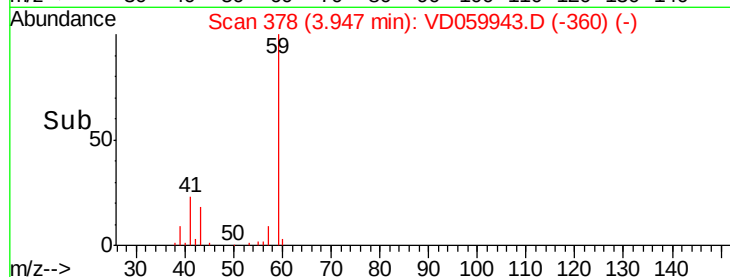
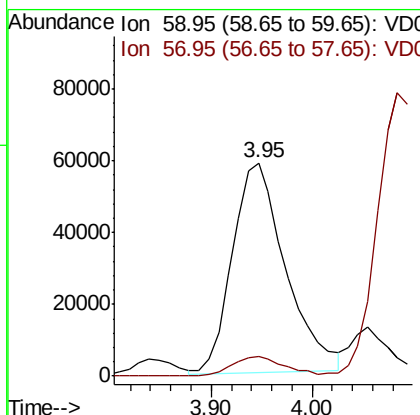
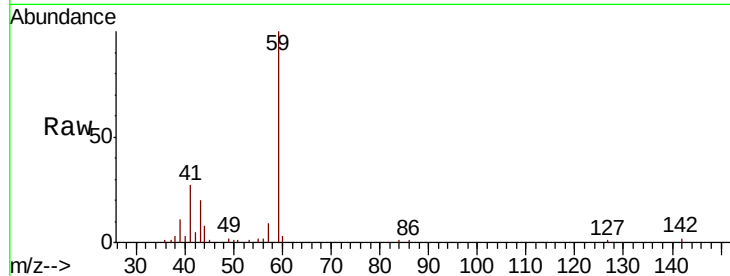
#11
Tert butyl alcohol
Concen: 265.73 ug/l
RT: 3.95 min Scan# 378
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	213891
Ion Ratio	100	Lower	Upper
57	9.3	7.4	11.0

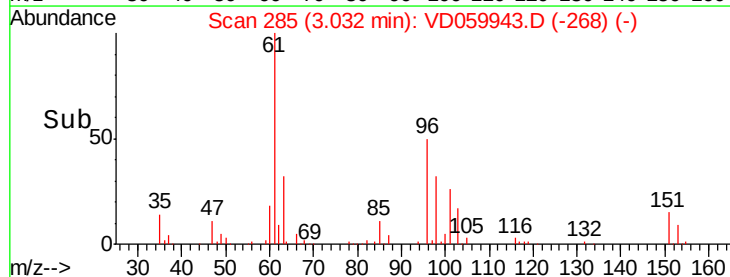
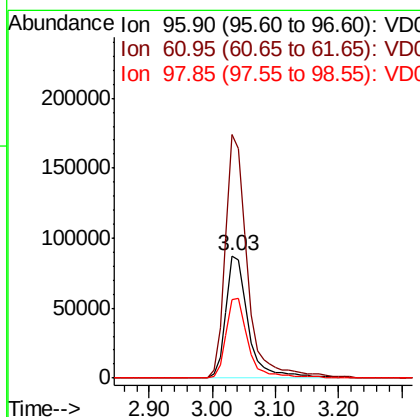
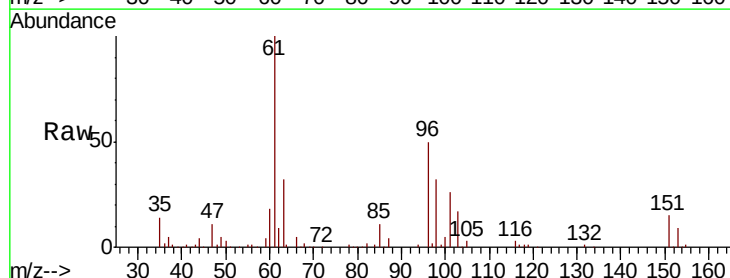
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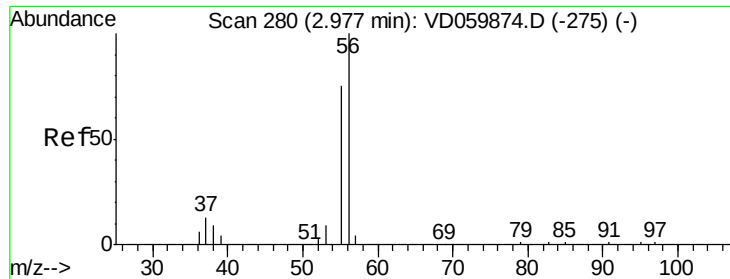
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#12
1,1-Dichloroethene
Concen: 49.05 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	96	Resp	214996
Ion Ratio	100	Lower	Upper
61	199.6	158.8	238.2
98	64.0	48.7	73.1





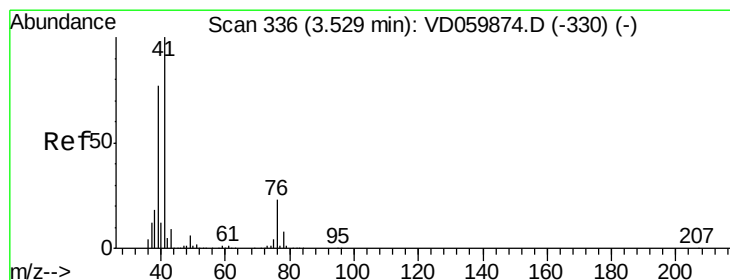
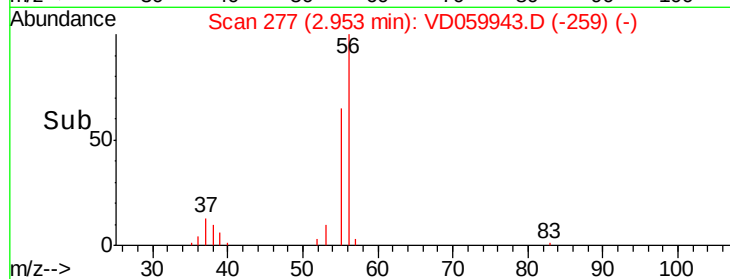
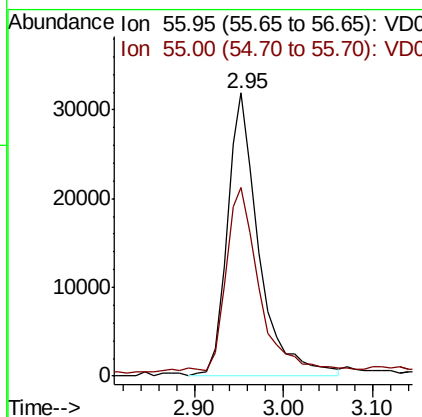
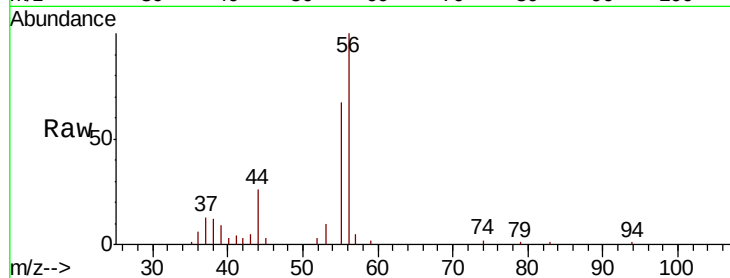
#13
 Acrolein
 Concen: 226.73 ug/l
 RT: 2.95 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	79153
Ion Ratio	100	Lower	Upper
55	66.9	61.9	92.9

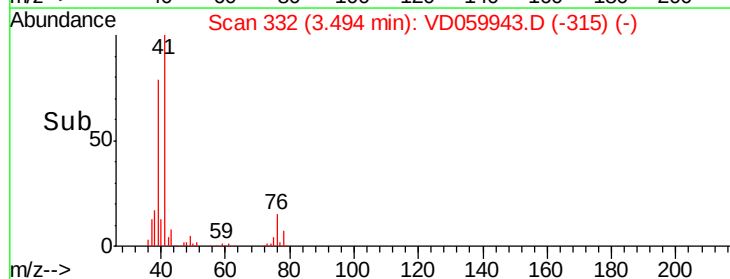
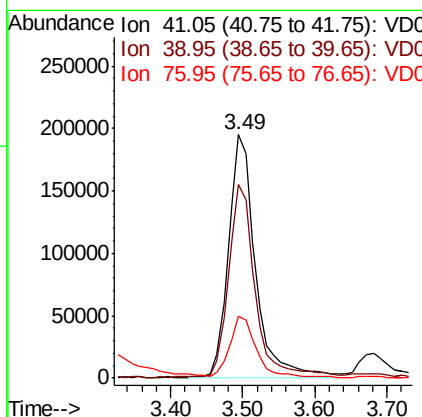
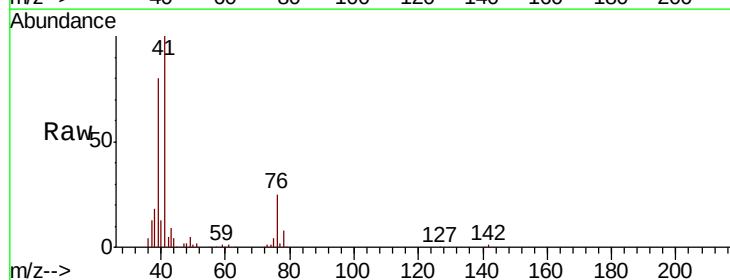
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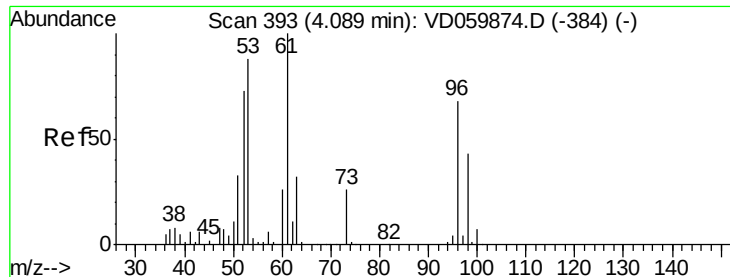
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#14
 Allyl chloride
 Concen: 51.06 ug/l
 RT: 3.49 min Scan# 332
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	41	Resp	506358
Ion Ratio	100	Lower	Upper
39	79.6	61.8	92.6
76	25.3	19.4	29.2





#15

Acrylonitrile

Concen: 257.34 ug/l

RT: 4.05 min Scan# 388

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 775674

Ion Ratio Lower Upper

53 100

52 84.4 66.9 100.3

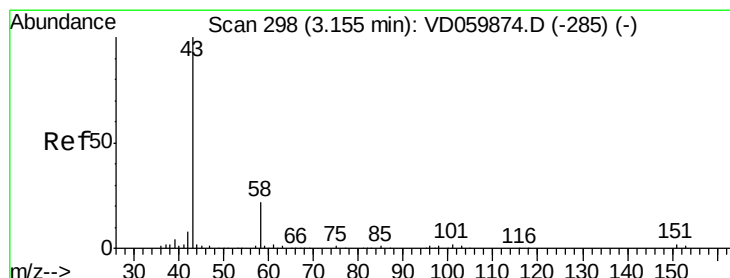
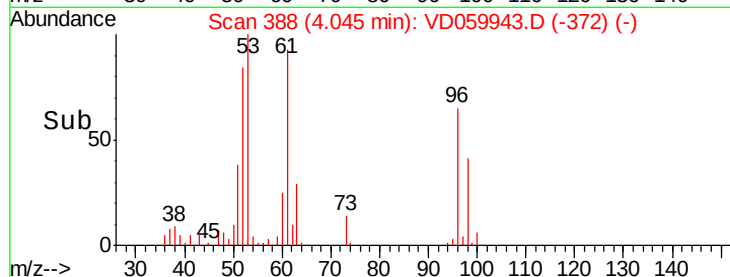
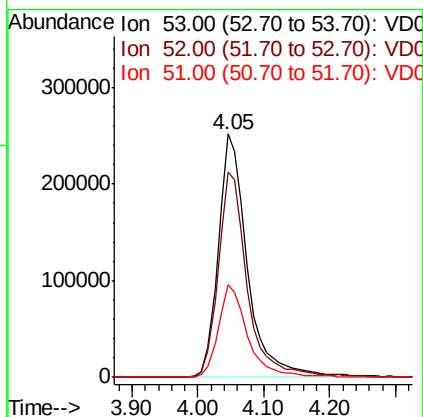
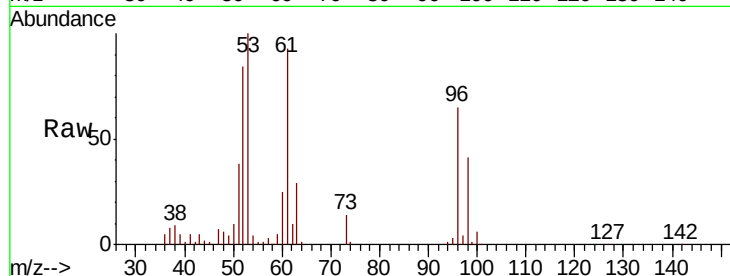
51 37.9 30.3 45.5

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#16

Acetone

Concen: 288.92 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059943.D

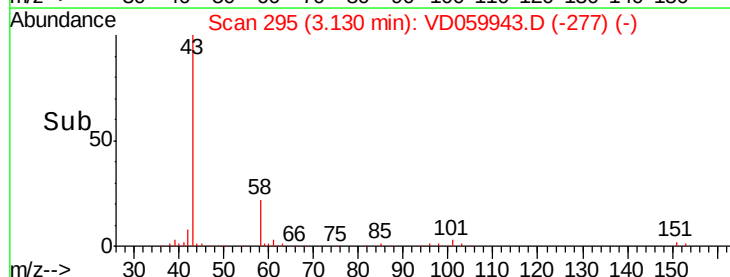
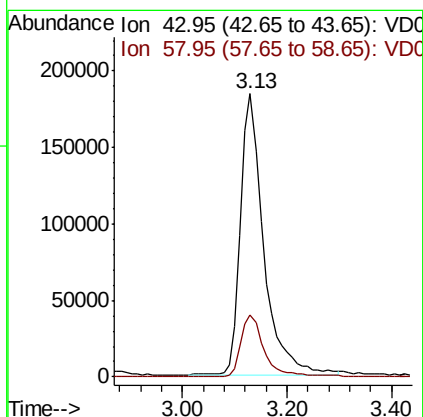
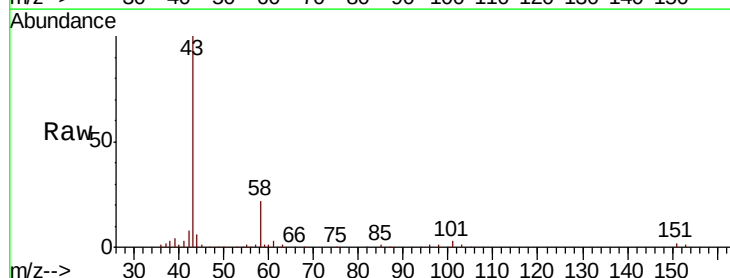
Acq: 4 Sep 2018 14:14

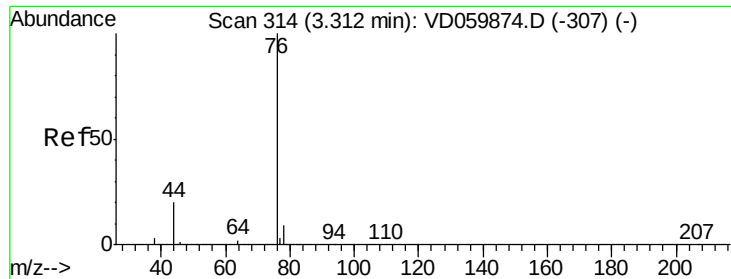
Tgt Ion: 43 Resp: 555265

Ion Ratio Lower Upper

43 100

58 21.7 17.6 26.4





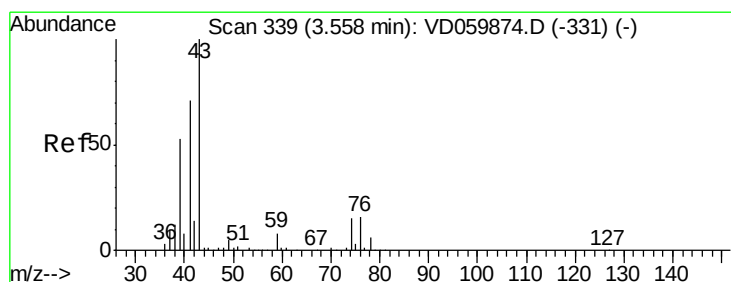
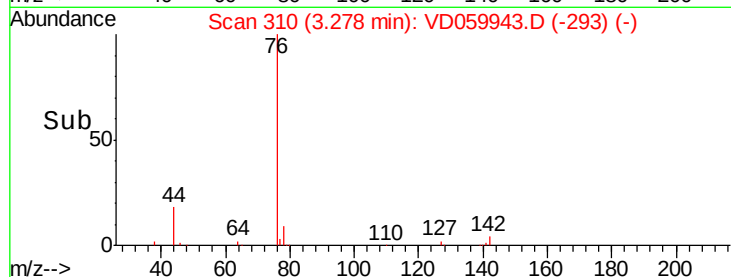
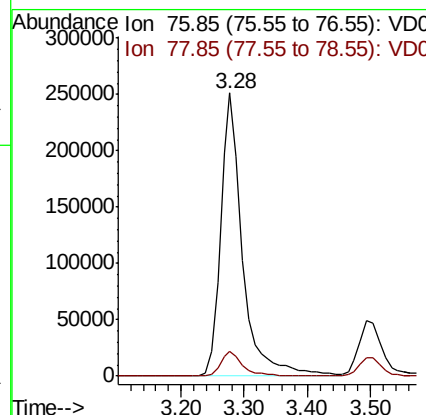
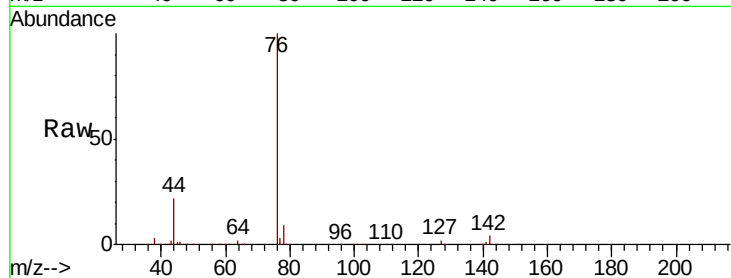
#17
Carbon Disulfide
Concen: 44.86 ug/l
RT: 3.28 min Scan# 310
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.9	7.4	11.2	

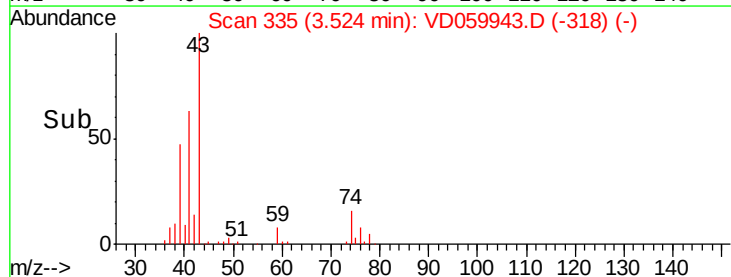
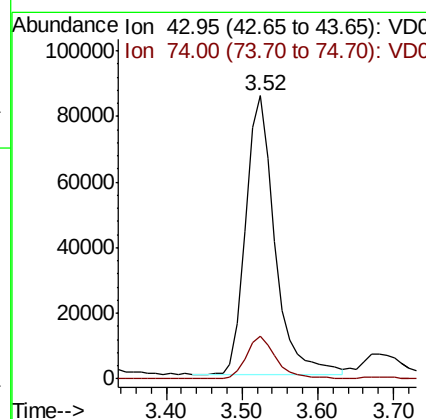
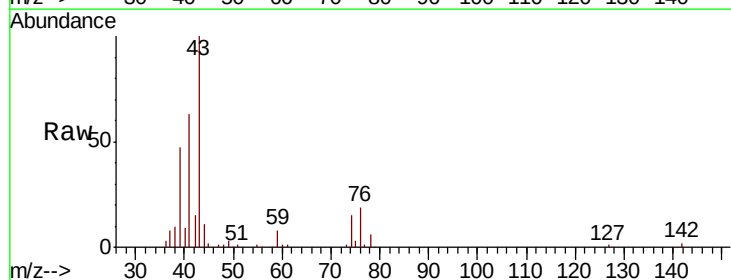
Manual Integrations
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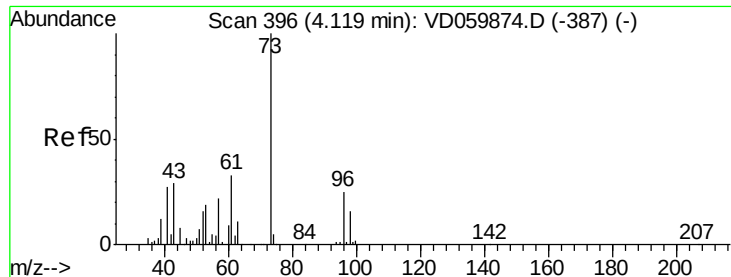
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#18
Methyl Acetate
Concen: 57.00 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	15.3	11.2	16.8	





#19

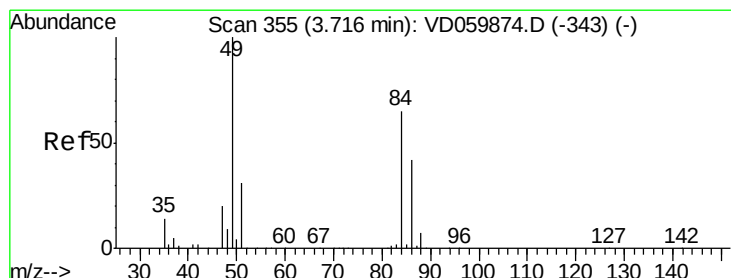
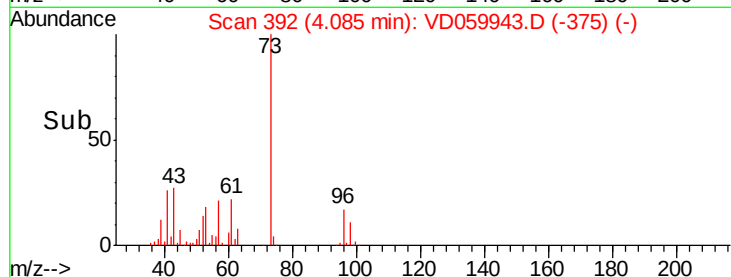
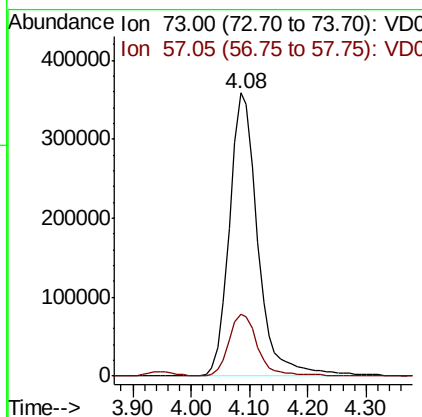
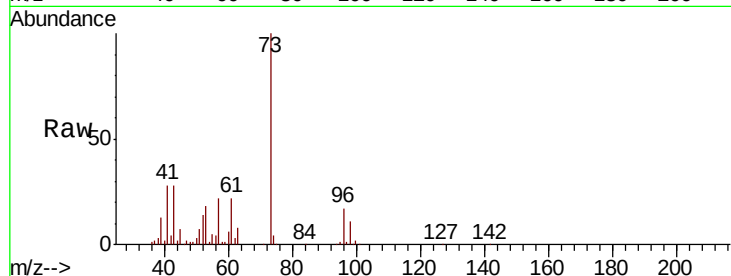
Methyl tert-butyl Ether
 Concen: 48.85 ug/l
 RT: 4.08 min Scan# 392
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1211193
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.9 26.9

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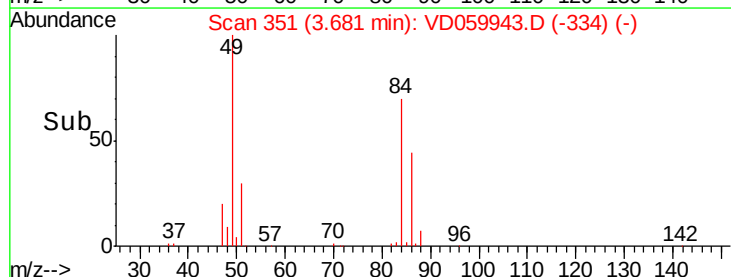
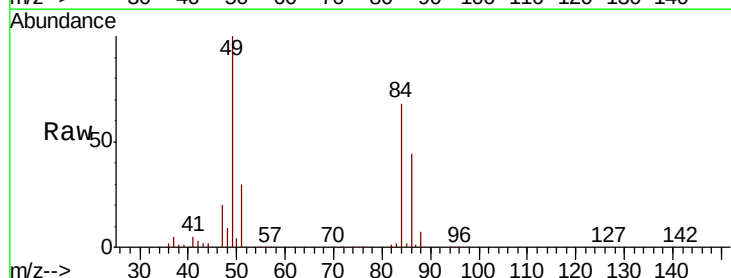
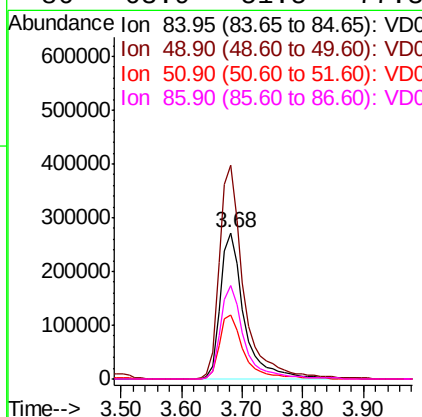
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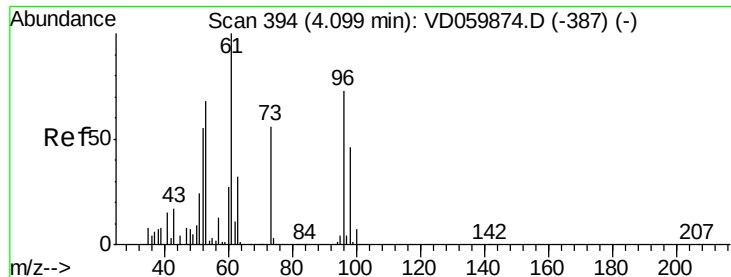


#20

Methylene Chloride
 Concen: 58.64 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion: 84 Resp: 743971
 Ion Ratio Lower Upper
 84 100
 49 146.0 122.6 183.8
 51 43.8 38.4 57.6
 86 63.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.13 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

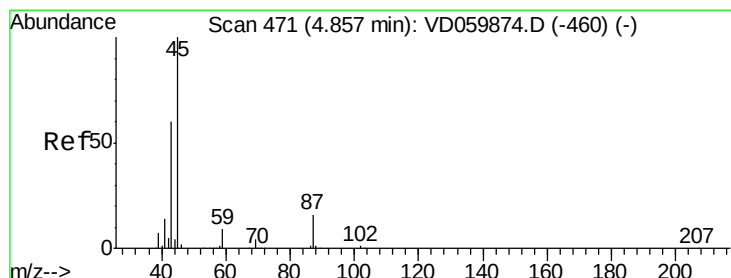
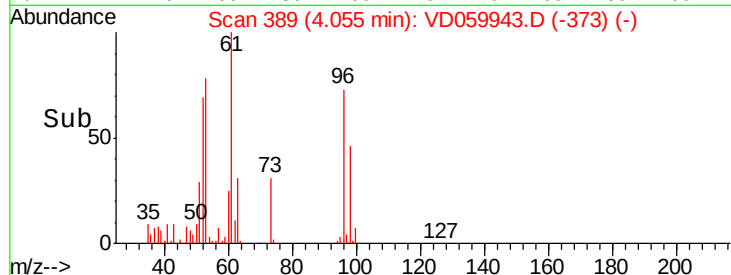
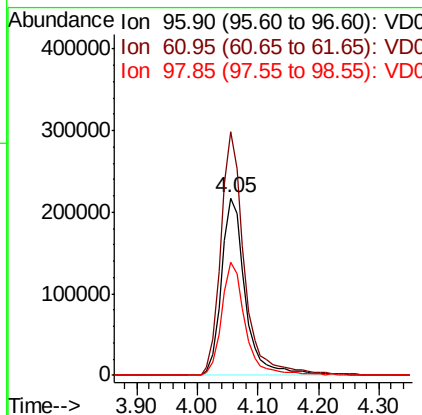
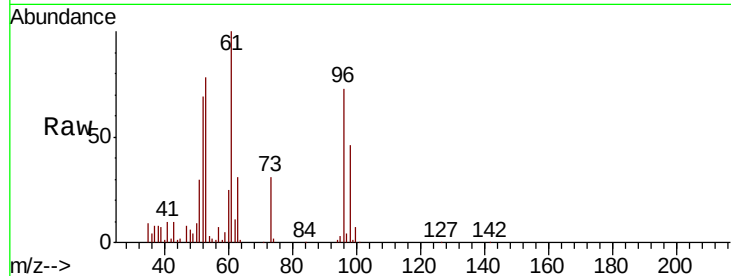
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	593372
Ion	Ratio	Lower	Upper
96	100		
61	137.2	110.2	165.4
98	63.6	50.9	76.3

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#22

Diisopropyl ether

Concen: 49.10 ug/l

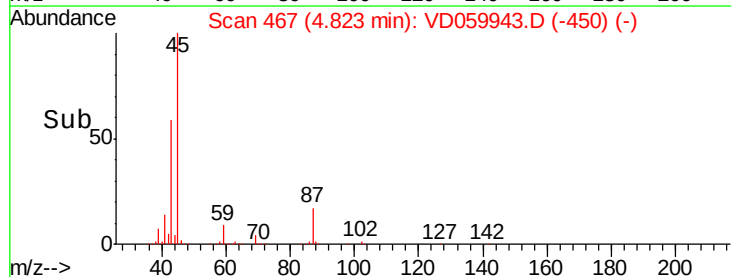
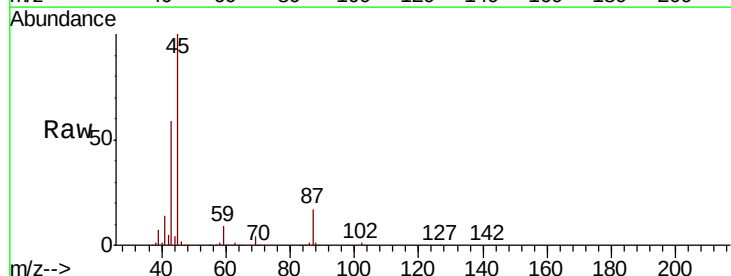
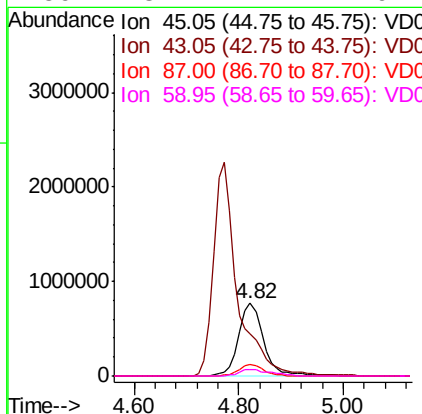
RT: 4.82 min Scan# 467

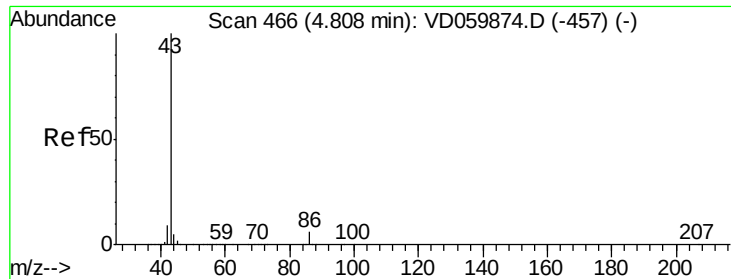
Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tgt Ion:	45	Resp:	2482896
Ion	Ratio	Lower	Upper
45	100		
43	58.6	48.6	72.8
87	16.8	13.3	19.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 253.83 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7175850

Ion Ratio Lower Upper

43 100

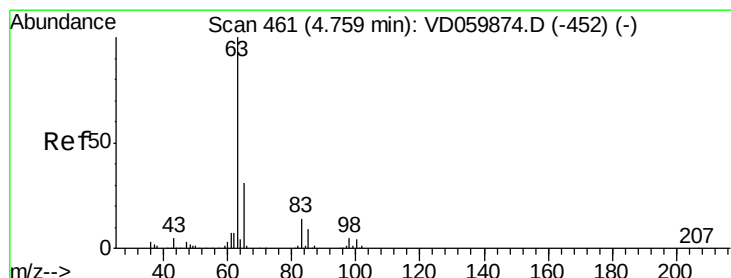
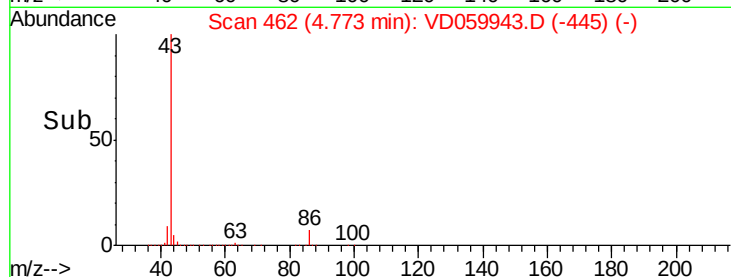
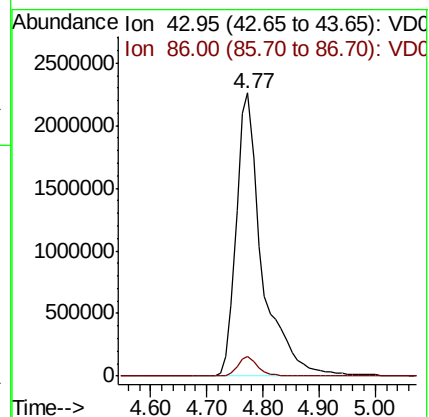
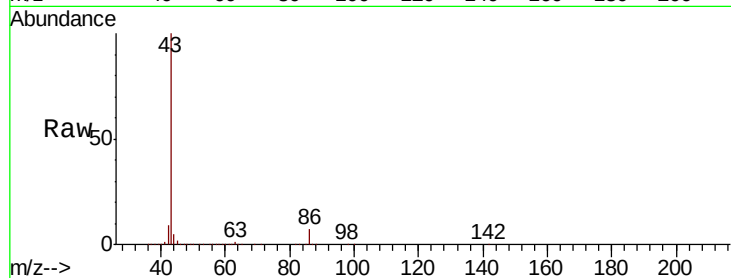
86 6.9 5.0 7.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.51 ug/l

RT: 4.71 min Scan# 456

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

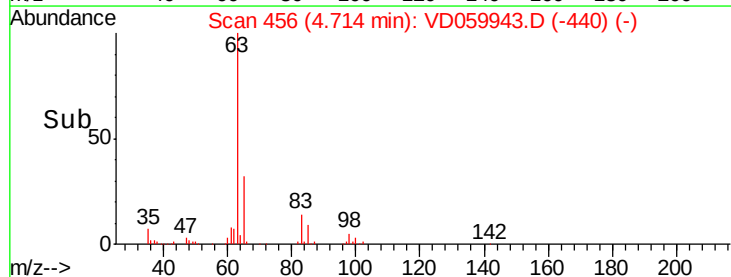
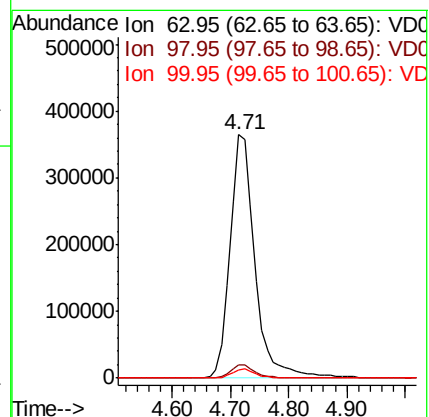
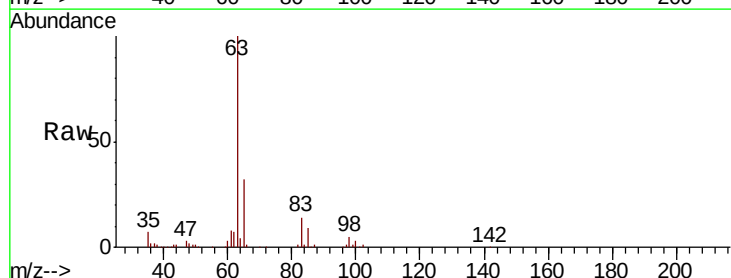
Tgt Ion: 63 Resp: 1081632

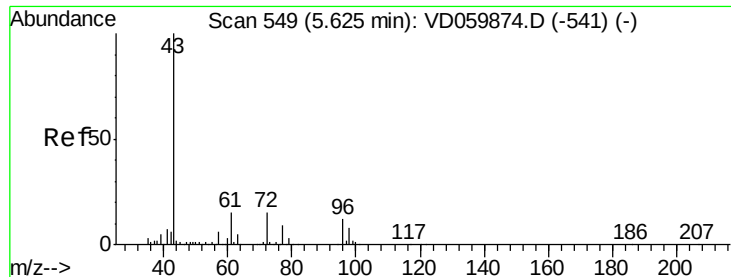
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.4 1.8 5.3





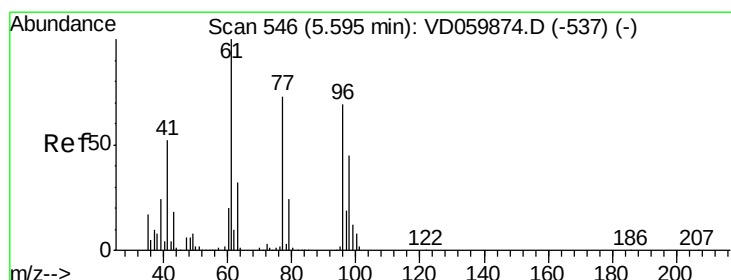
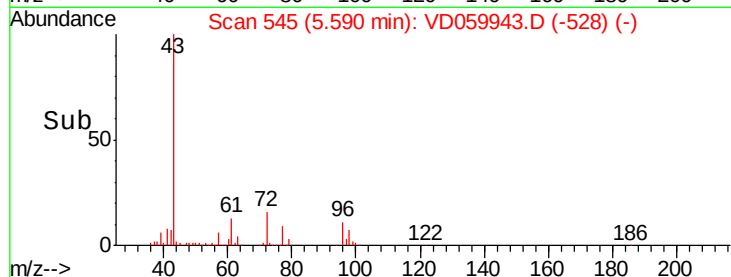
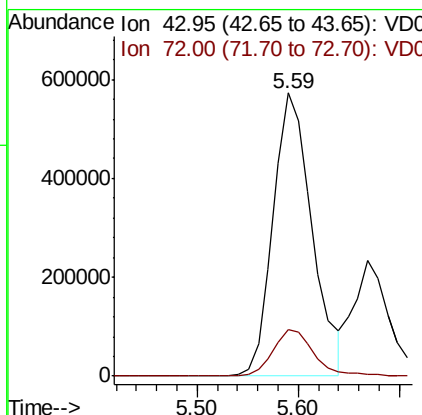
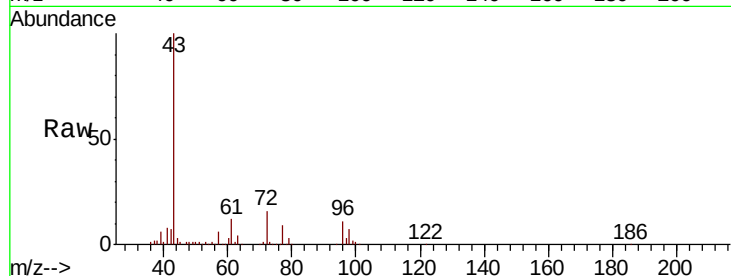
#25
2-Butanone
Concen: 269.31 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1532913
Ion Ratio Lower Upper
43 100
72 16.4 12.3 18.5

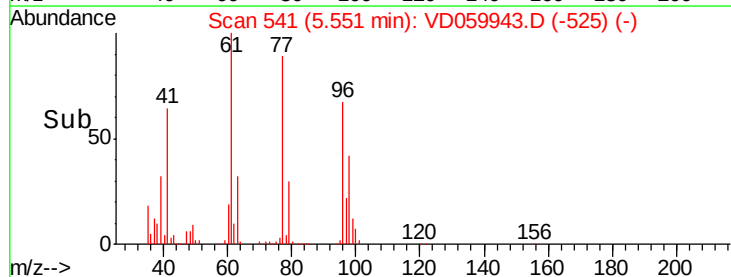
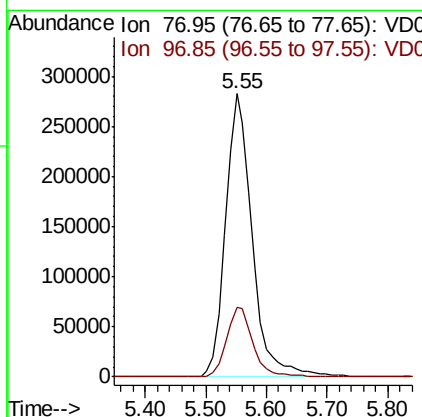
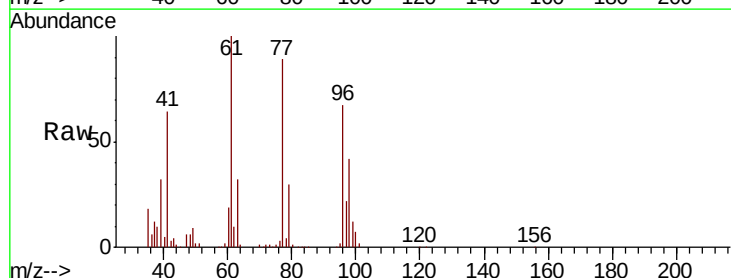
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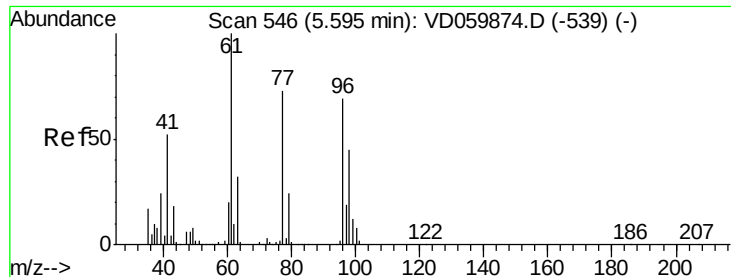
apatel
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#26
2,2-Dichloropropane
Concen: 47.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.04 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion: 77 Resp: 858342
Ion Ratio Lower Upper
77 100
97 24.6 13.0 38.9





#27

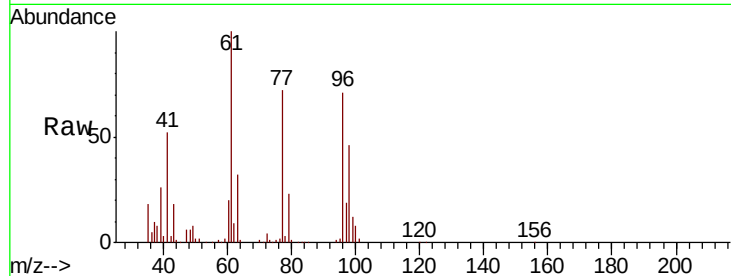
cis-1,2-Dichloroethene
 Concen: 49.73 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

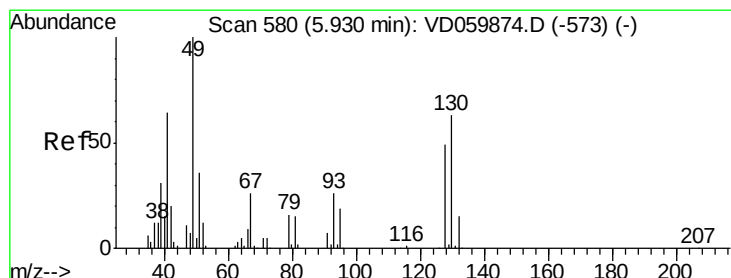
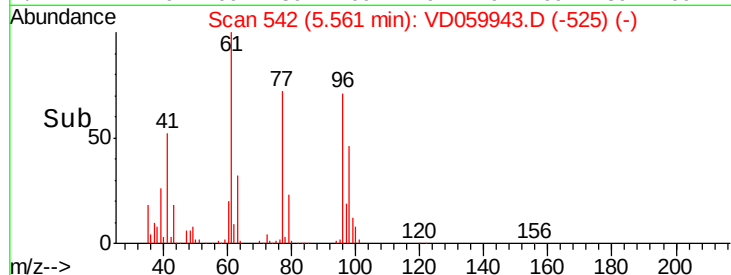
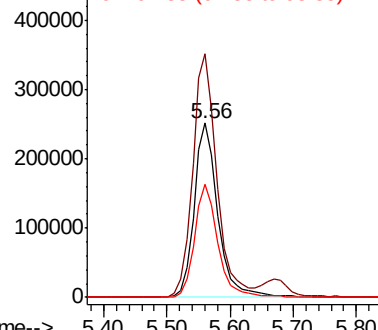
Tot Ion	Ratio	Resp	Lower	Upper
96	100	657635		
61	140.0		0.0	290.2
98	65.0		0.0	130.4

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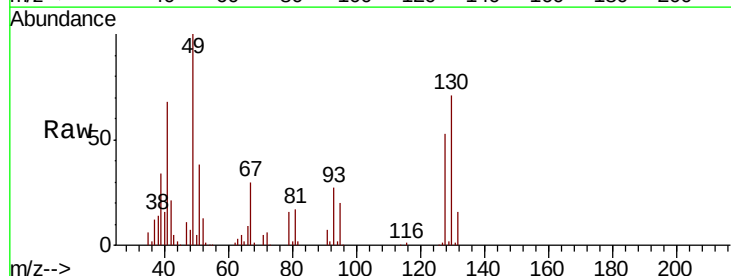
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



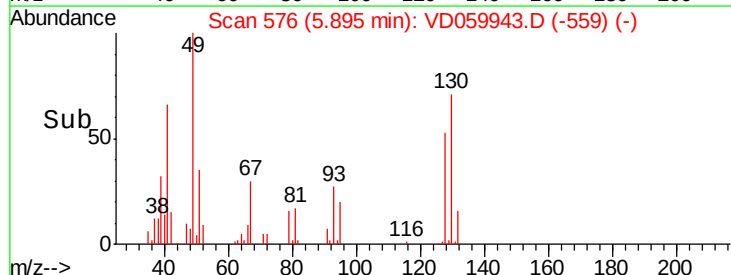
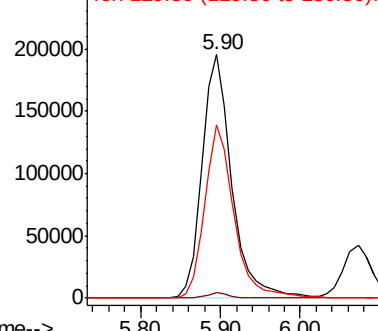
#28

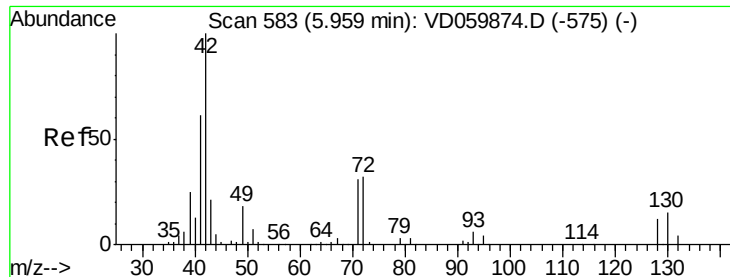
Bromochloromethane
 Concen: 48.62 ug/l
 RT: 5.90 min Scan# 576
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	509086		
129	2.0		0.0	3.2
130	71.2		50.6	75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





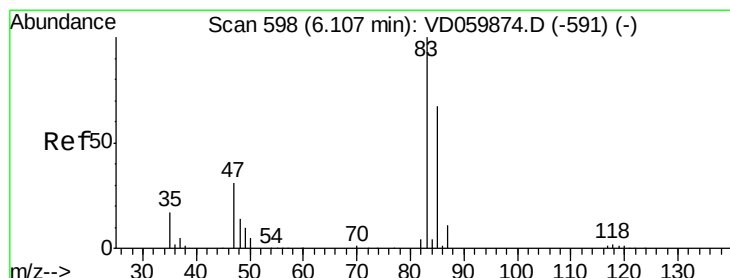
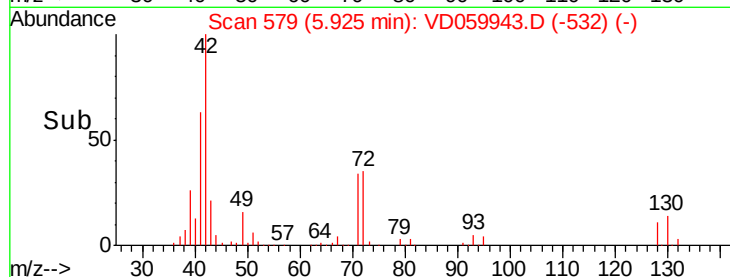
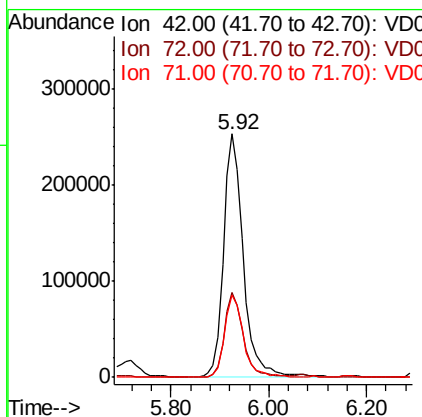
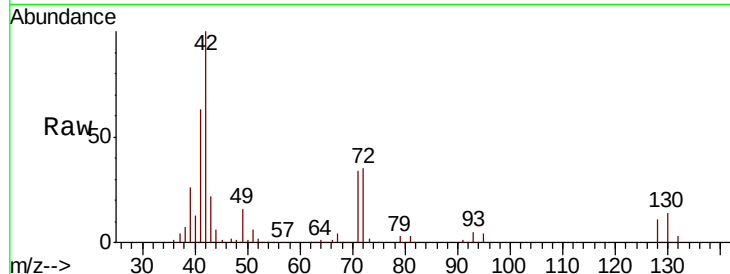
#29
Tetrahydrofuran
Concen: 262.10 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	25.7	38.5
71	32.7	25.3	37.9

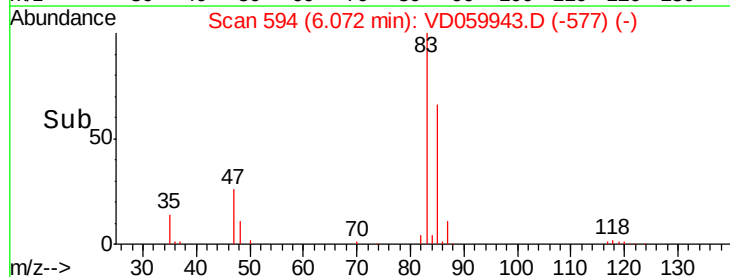
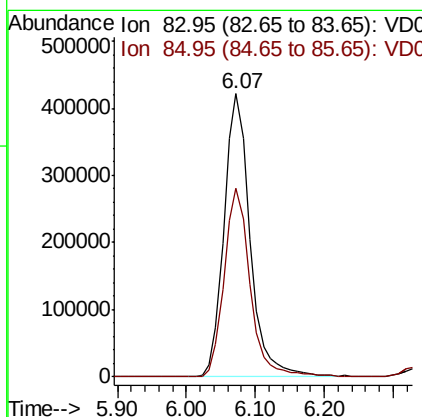
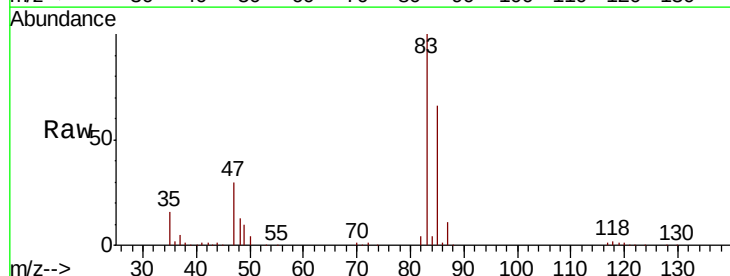
Manual Integrations
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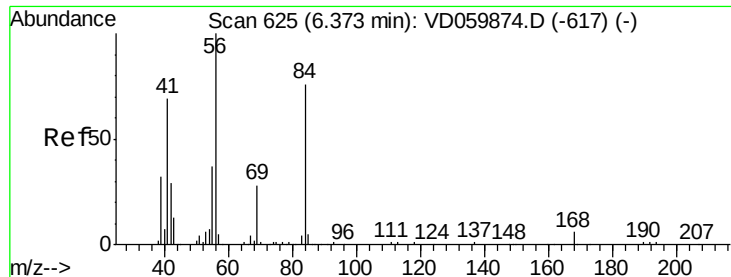
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#30
Chloroform
Concen: 49.79 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.5	80.3





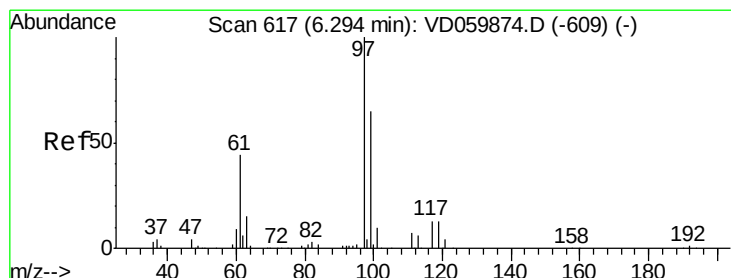
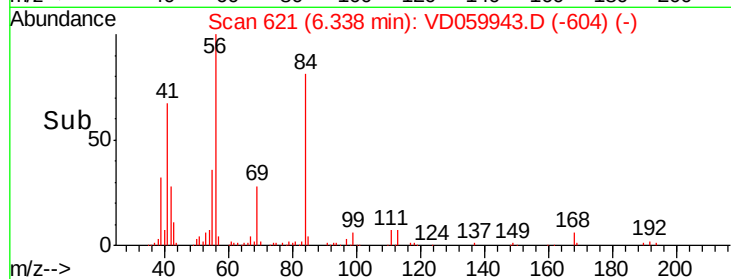
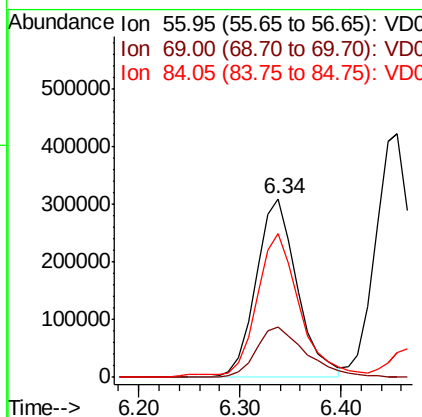
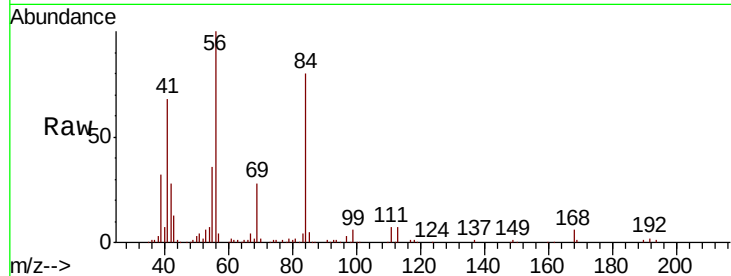
#31
Cyclohexane
Concen: 43.51 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.4	33.6
84	80.4	62.1	93.1

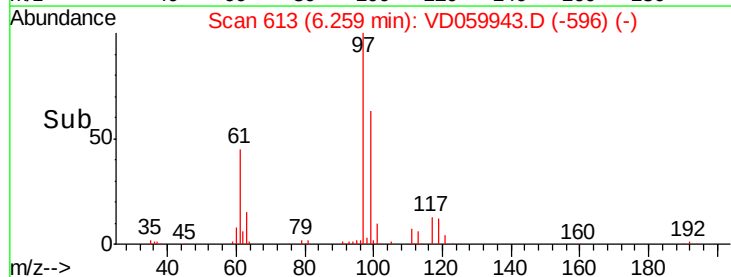
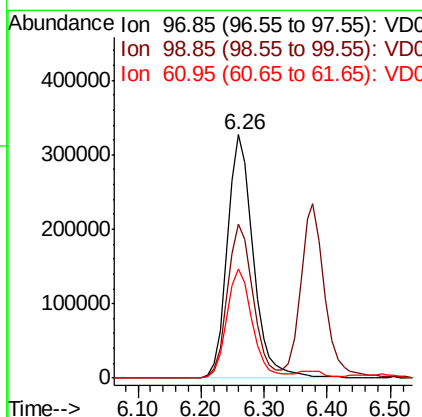
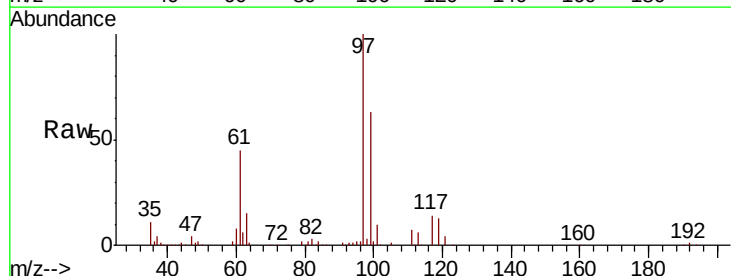
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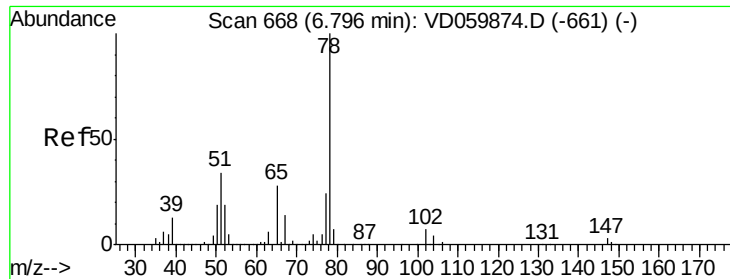
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#32
1,1,1-Trichloroethane
Concen: 49.15 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.7	77.5
61	45.0	35.4	53.2





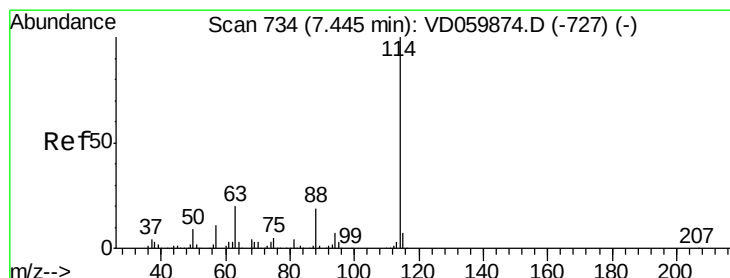
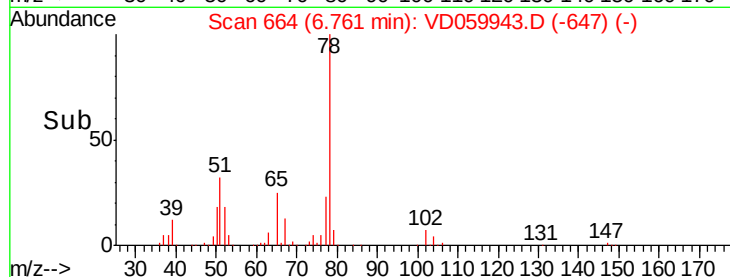
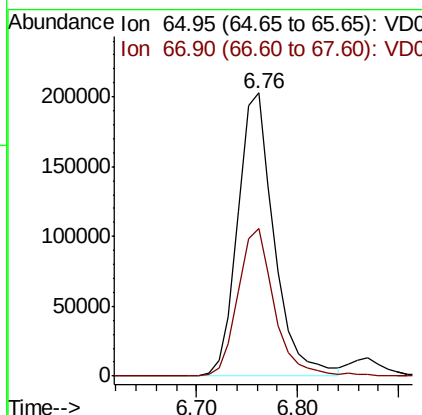
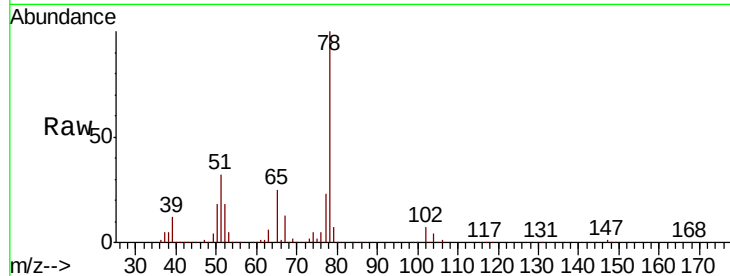
#33
 1,2-Dichloroethane-d4
 Concen: 49.15 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	508725		
67	52.4	0.0	103.8	

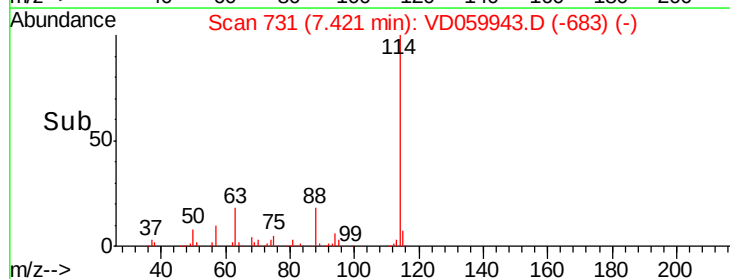
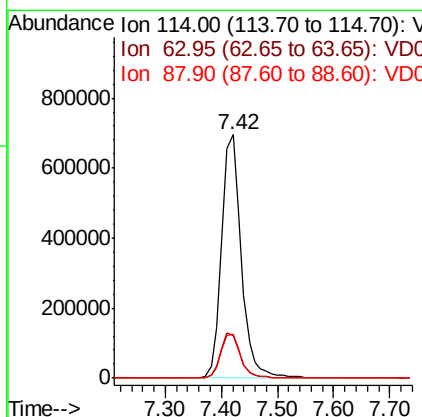
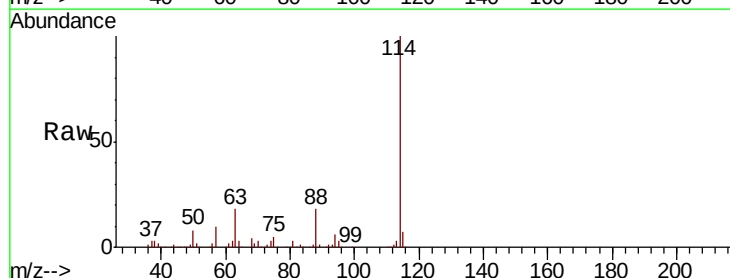
Manual Integrations
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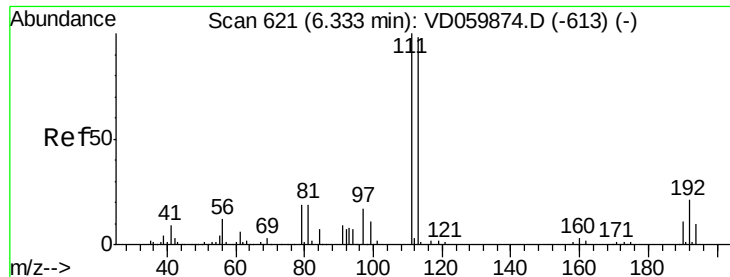
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1705231		
63	17.8	0.0	39.4	
88	18.2	0.0	37.6	





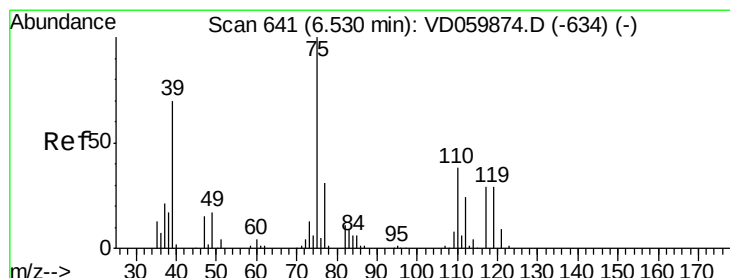
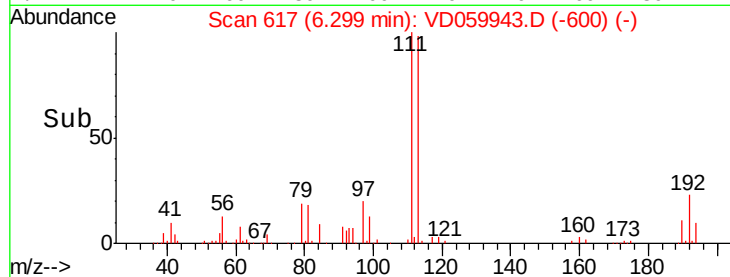
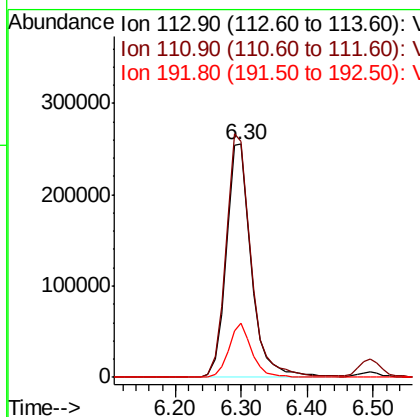
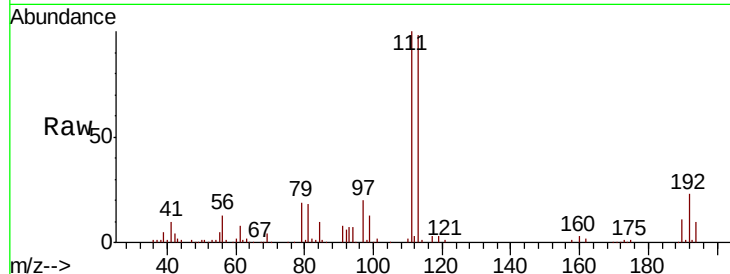
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	678106		
111	101.6	81.4	122.2	
192	23.2	17.0	25.6	

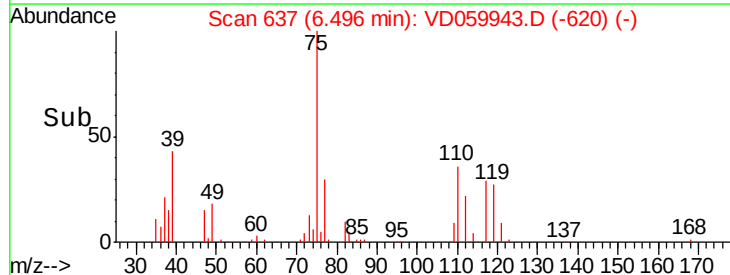
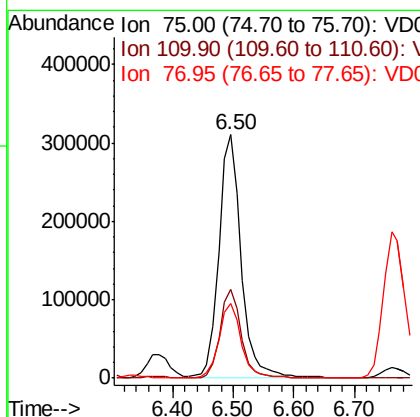
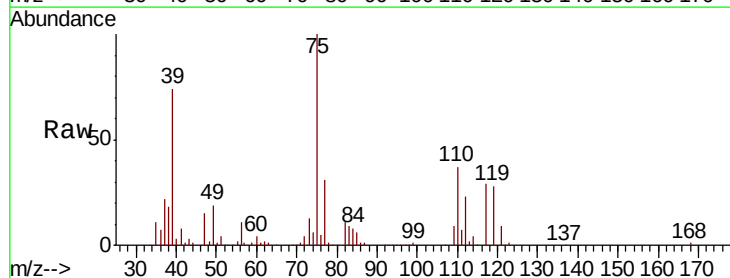
Manual Integrations
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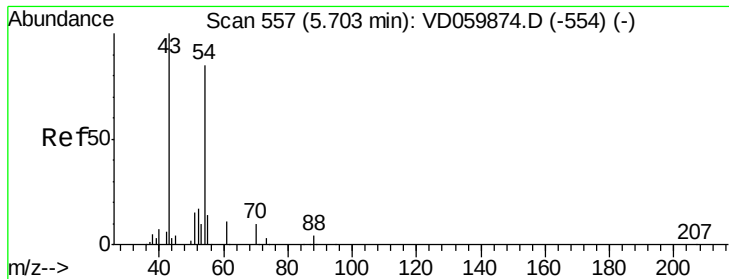
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#36
 1,1-Dichloropropene
 Concen: 50.90 ug/l
 RT: 6.50 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	786839		
110	36.5	18.6	56.0	
77	30.9	25.1	37.7	





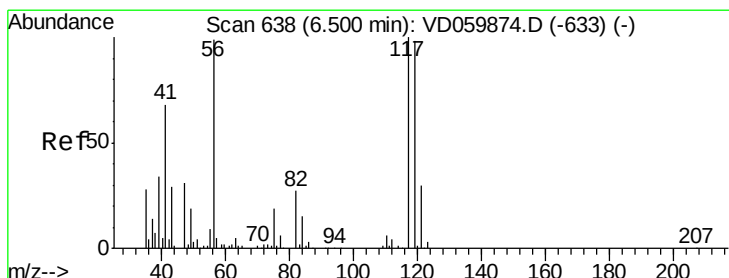
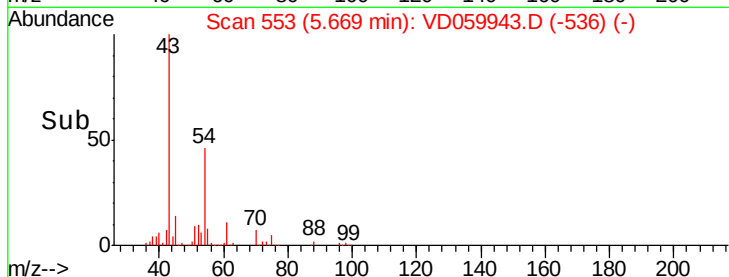
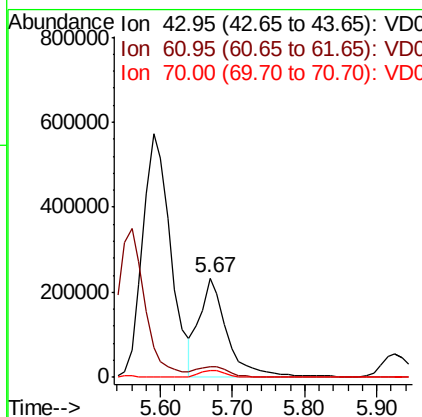
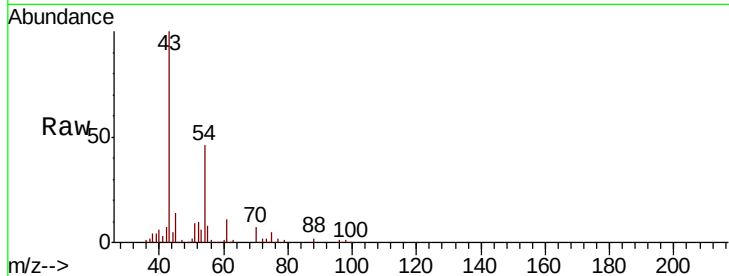
#37
Ethyl Acetate
Concen: 50.03 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	11.0	16.6
70	6.6	5.7	8.5

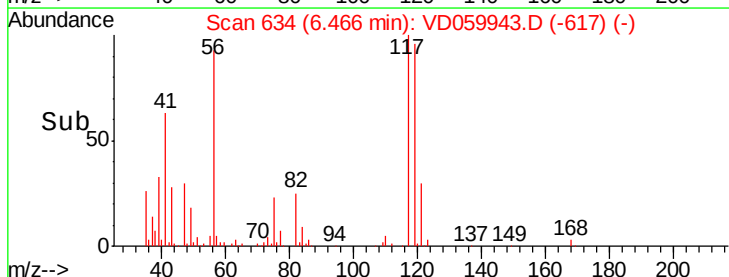
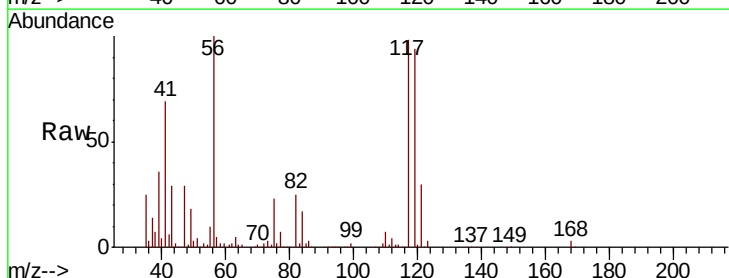
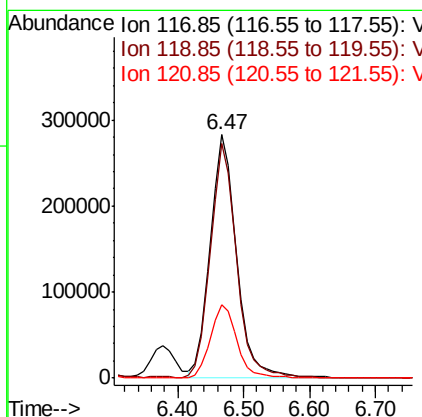
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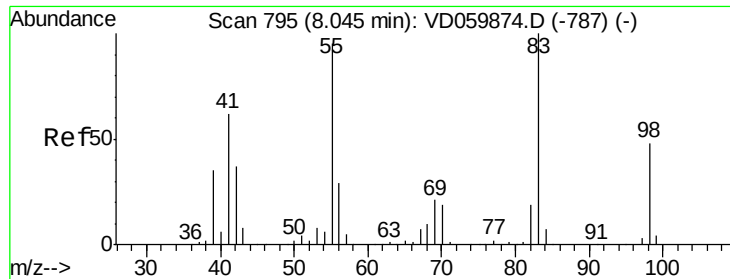
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#38
Carbon Tetrachloride
Concen: 49.48 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.2	115.8
121	30.3	24.0	36.0





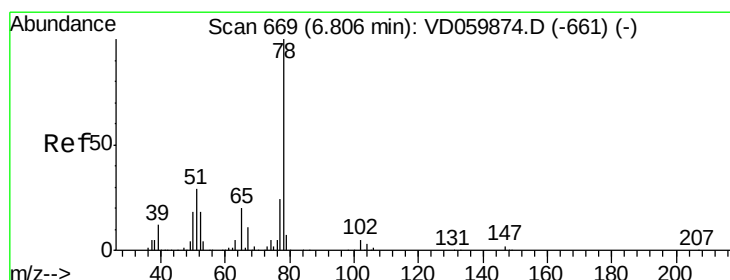
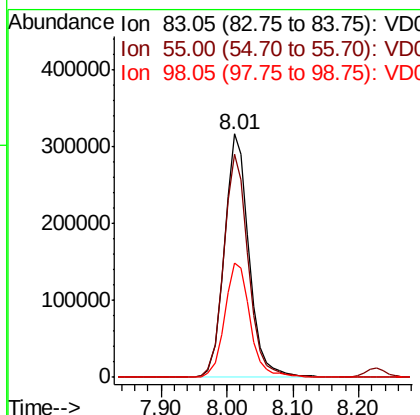
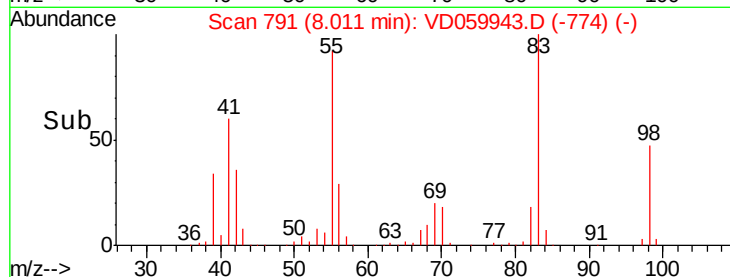
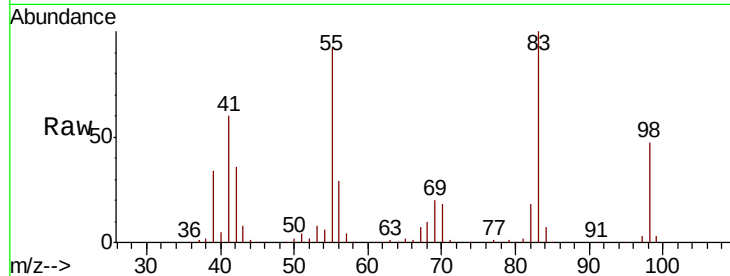
#39
Methylvlcyclohexane
Concen: 49.32 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	823729
Ion Ratio	100	Lower	Upper
83	100		
55	91.9	75.8	113.6
98	47.1	38.3	57.5

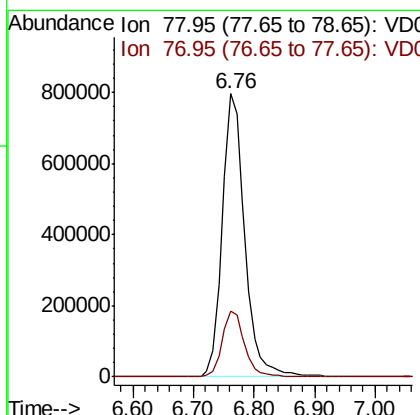
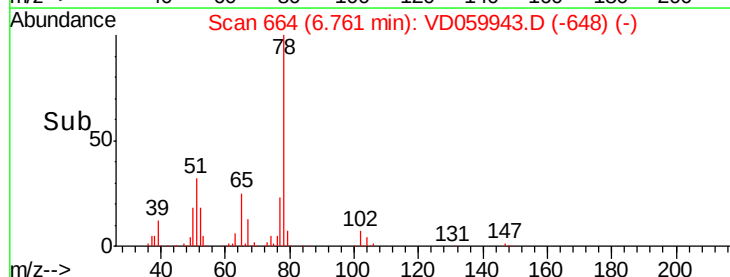
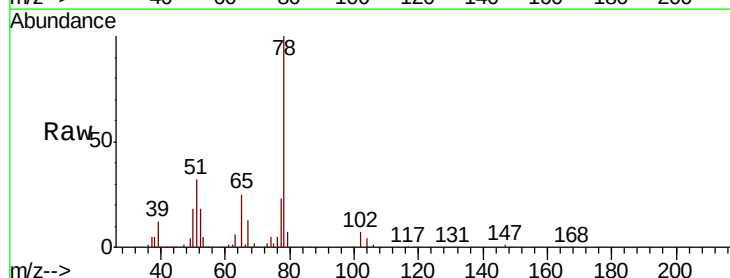
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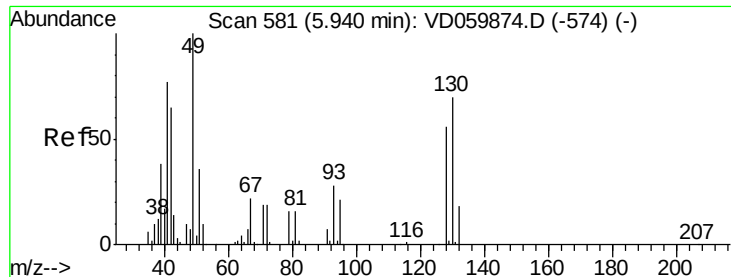
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#40
Benzene
Concen: 51.08 ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	78	Resp	2053158
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.0	28.4





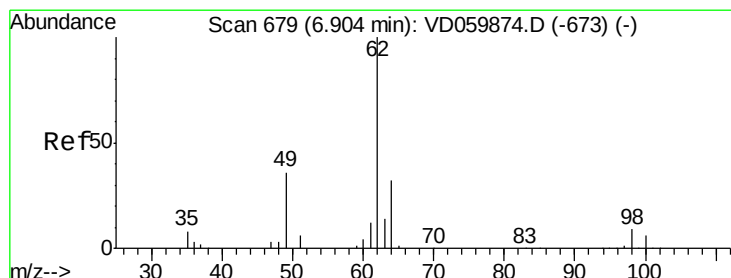
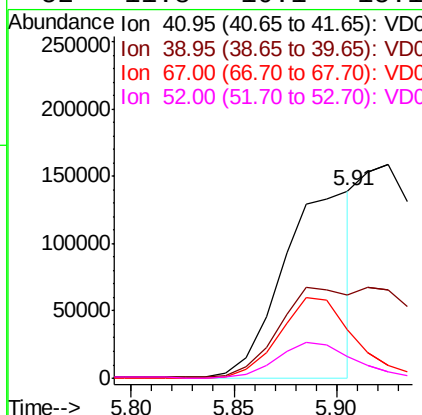
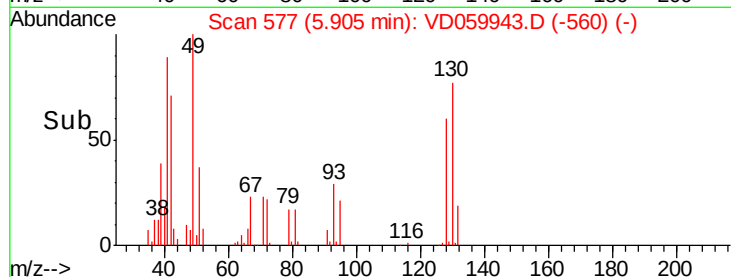
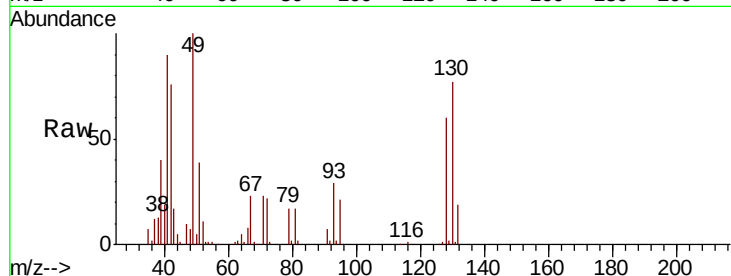
#41
Methacrylonitrile
Concen: 54.45 ug/l m
RT: 5.91 min Scan# 577
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.6	39.4	59.2
67	26.0	22.2	33.2
52	11.8	10.1	15.1

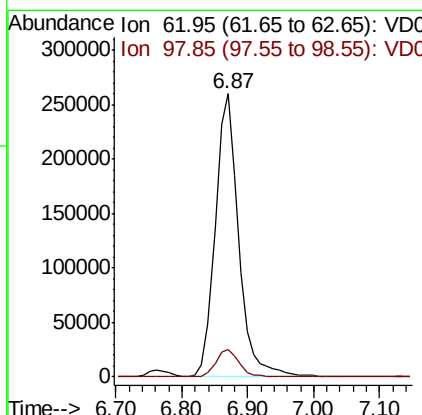
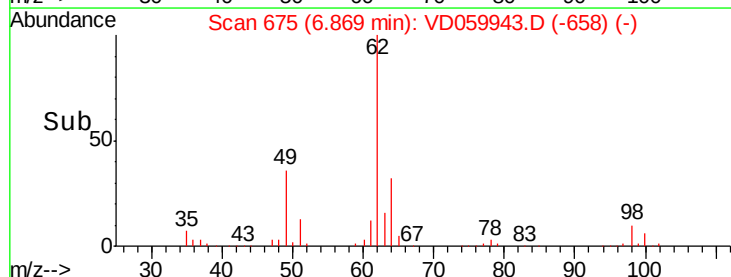
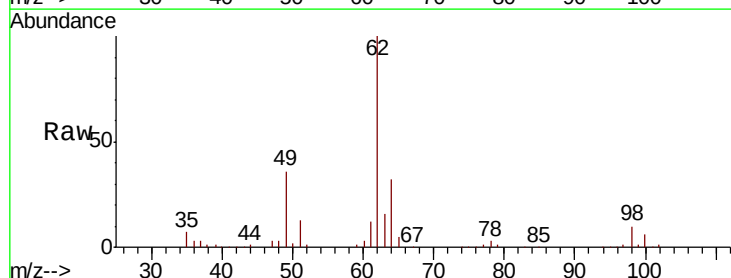
Manual Integrations
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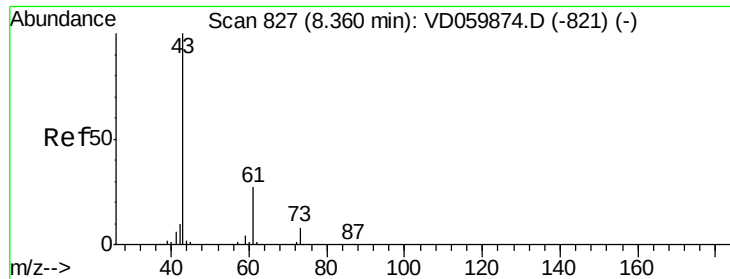
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#42
1,2-Dichloroethane
Concen: 49.19 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





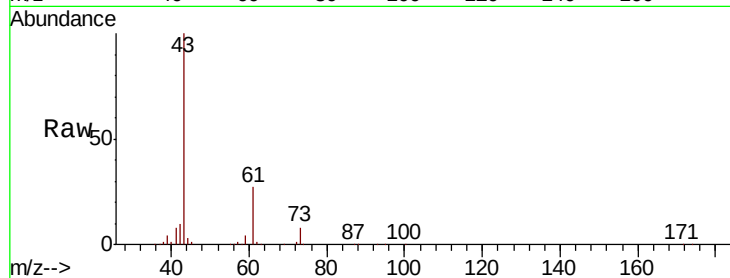
#43
Isopropyl Acetate
Concen: 52.93 ug/l
RT: 8.33 min Scan# 823
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

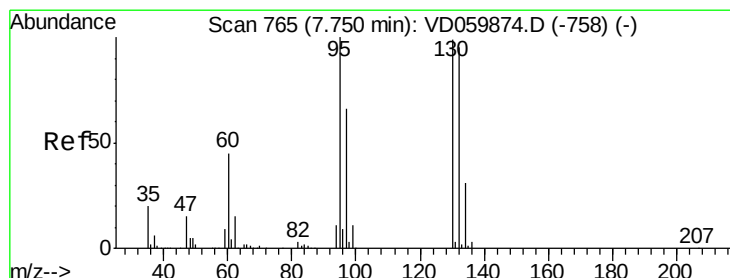
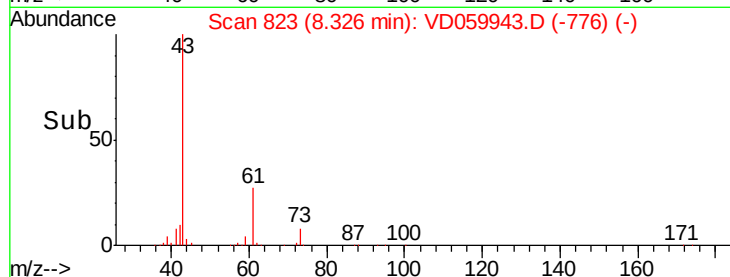
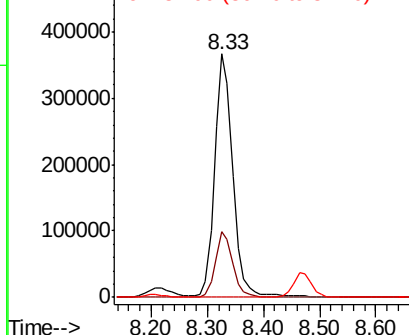
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.4	32.2
87	0.2	0.2	0.4

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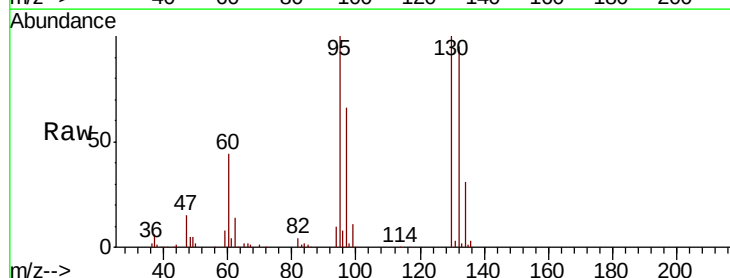


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

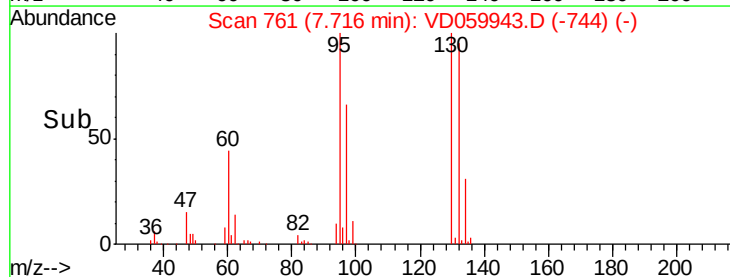
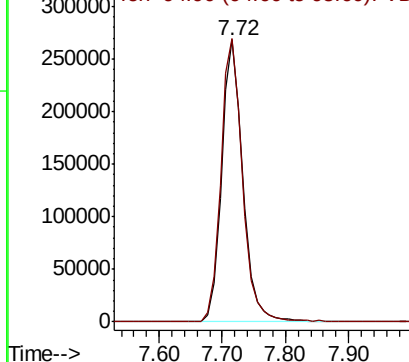


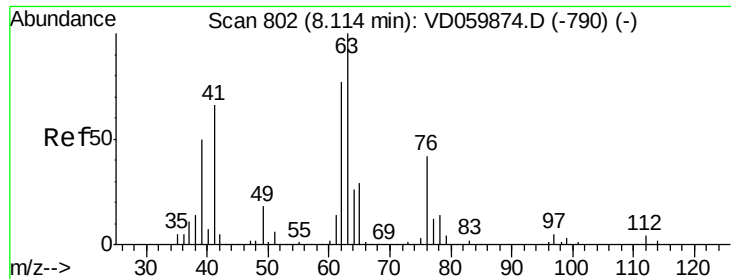
#44
Trichloroethene
Concen: 52.71 ug/l
RT: 7.72 min Scan# 761
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	202.0



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





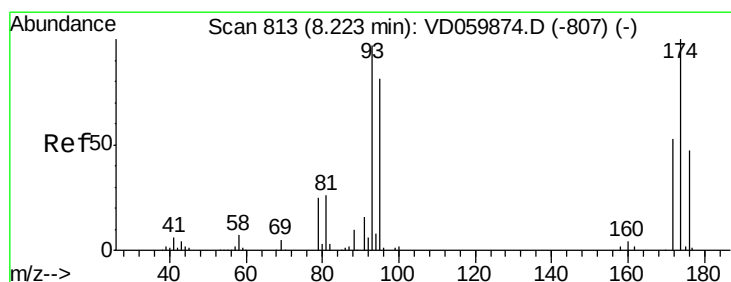
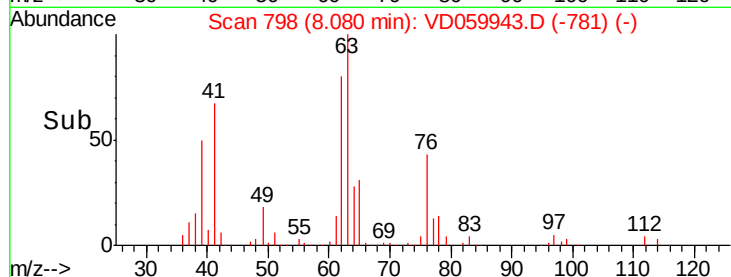
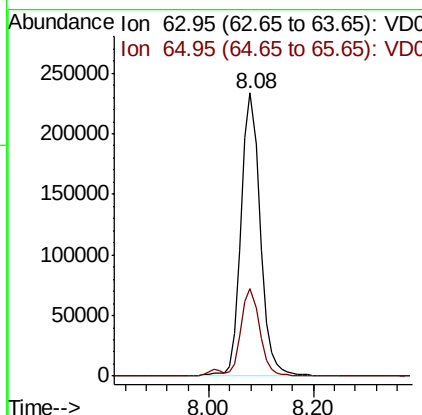
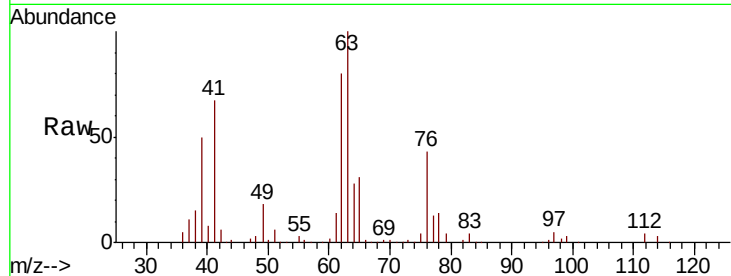
#45
 1,2-Dichloropropane
 Concen: 51.35 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 576917
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.5 35.3

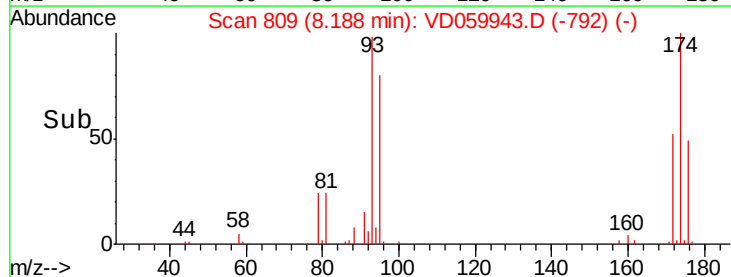
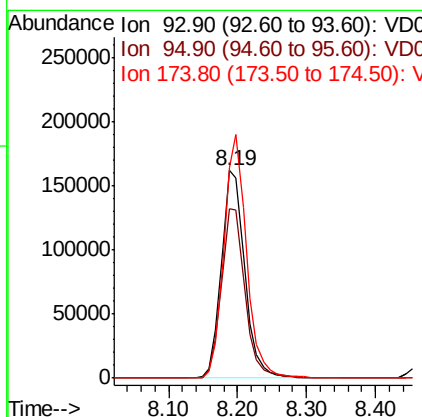
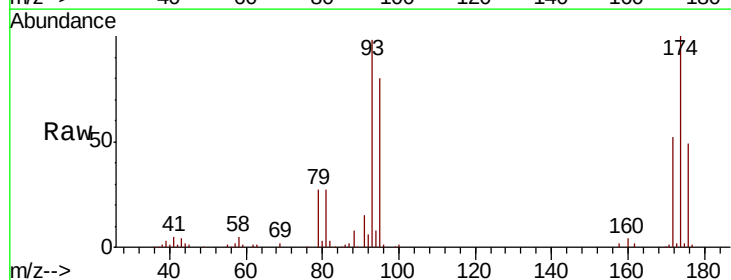
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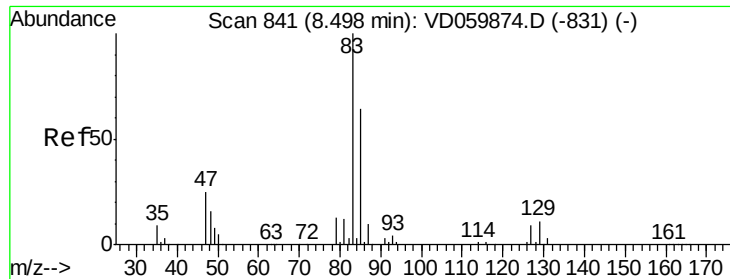
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#46
 Dibromomethane
 Concen: 52.68 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion: 93 Resp: 380577
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.6 100.0
 174 101.7 82.4 123.6





#47

Bromodichloromethane

Concen: 51.12 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

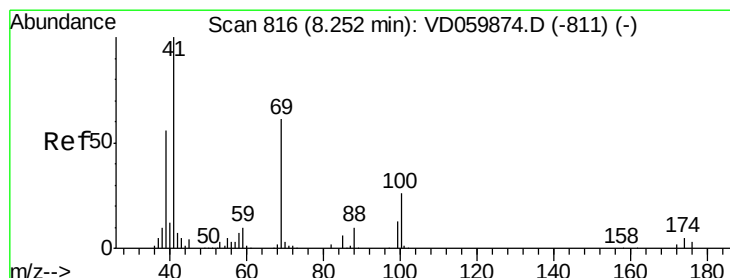
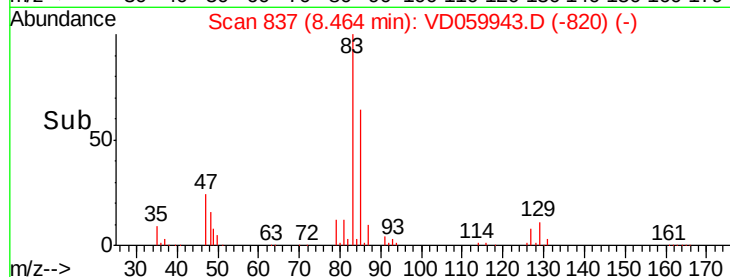
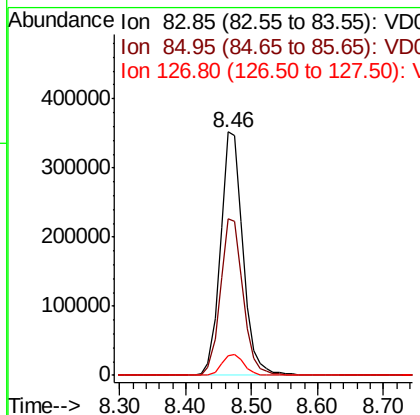
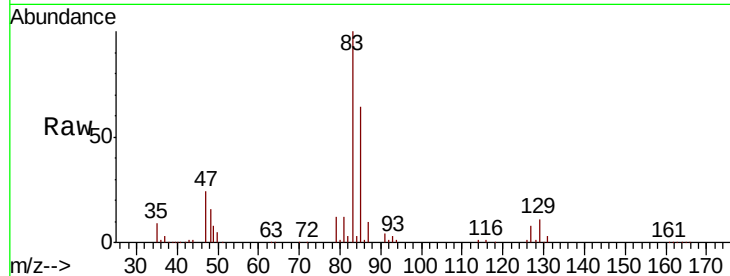
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	836050
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.3	7.0	10.4

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#48

Methyl methacrylate

Concen: 50.65 ug/l

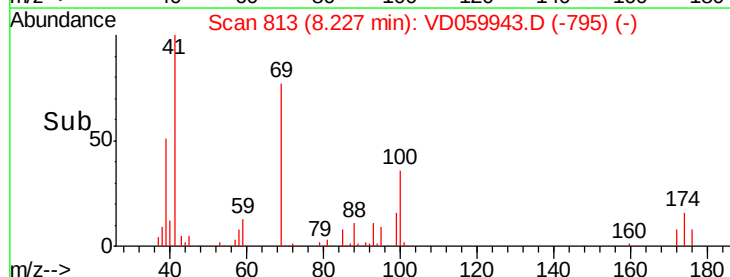
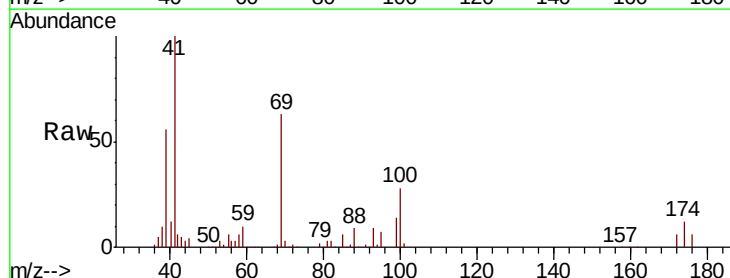
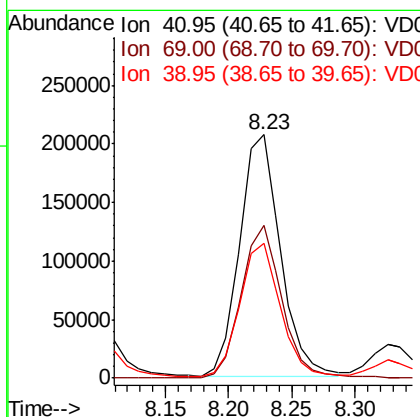
RT: 8.23 min Scan# 813

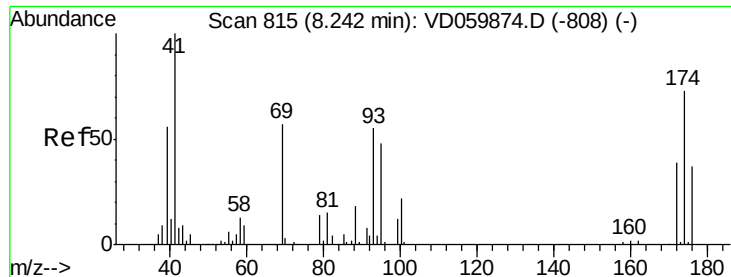
Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tgt Ion:	41	Resp:	462023
Ion	Ratio	Lower	Upper
41	100		
69	62.8	48.0	72.0
39	55.5	45.4	68.0





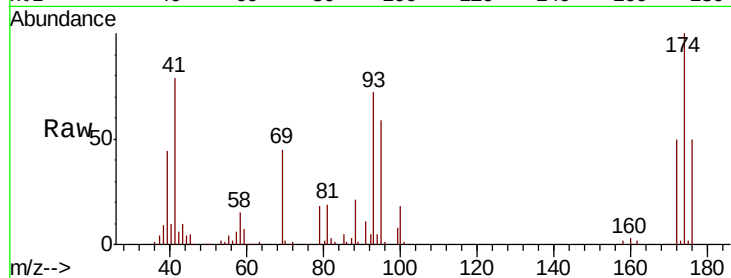
#49
1,4-Dioxane
Concen: 1140.59 ug/l
RT: 8.21 min Scan# 811
Delta R.T. -0.03 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

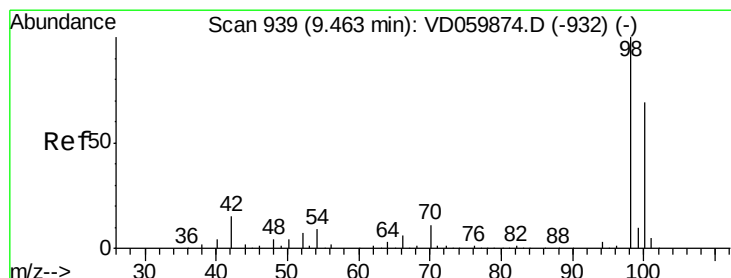
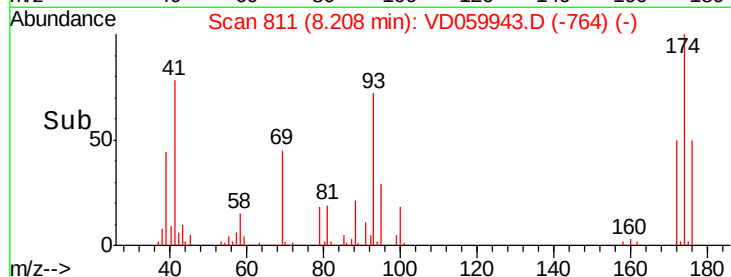
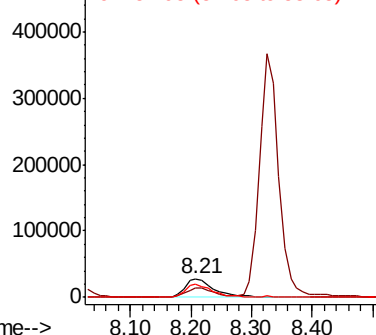
Tot Ion	Ratio	Lower	Upper
88	100		
43	46.6	45.0	67.6
58	69.9	55.8	83.8

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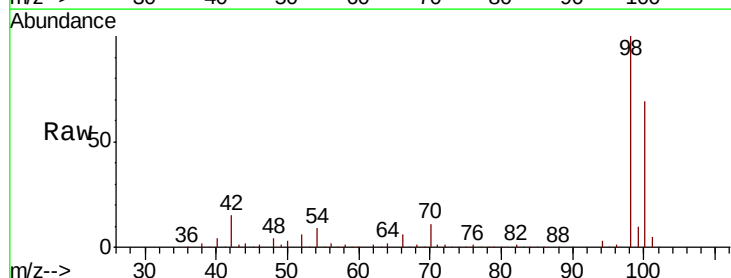


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

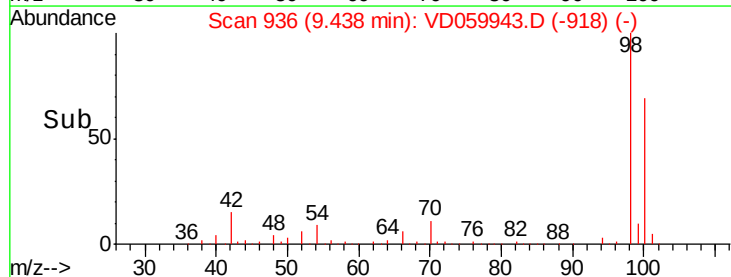
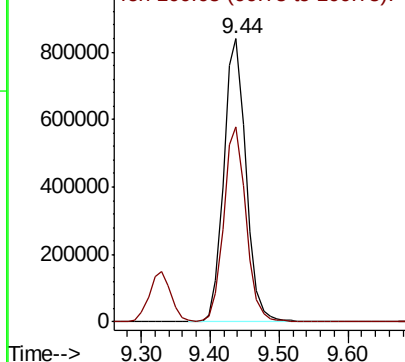


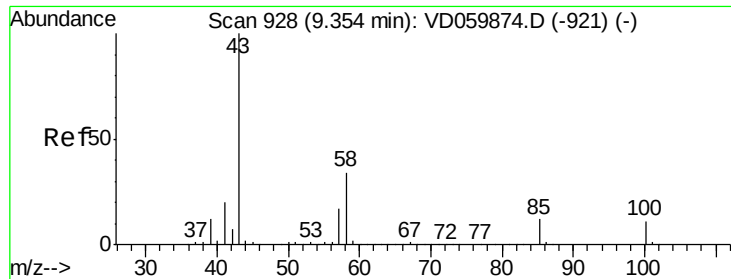
#50
Toluene-d8
Concen: 1140.59 ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.8	83.6



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





#51

4-Methyl-2-Pentanone

Concen: 282.68 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tot Ion: 43 Resp: 3297978

Ion Ratio Lower Upper

43 100

58 34.1 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

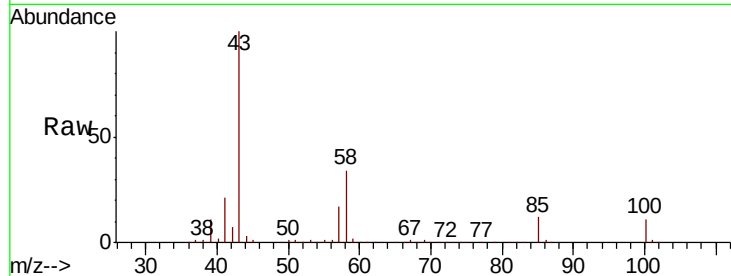
VSTDCCC050

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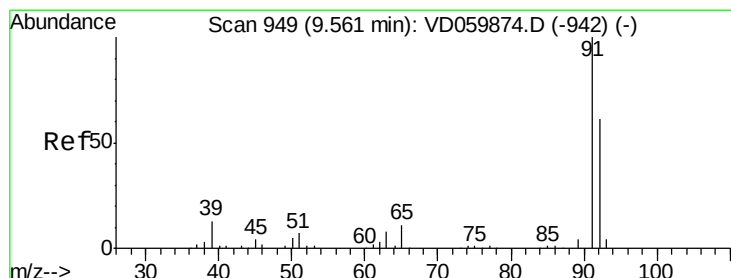
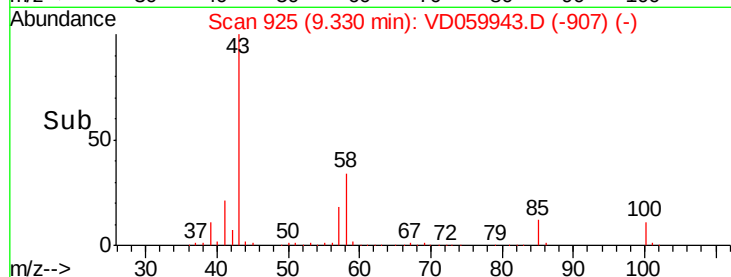
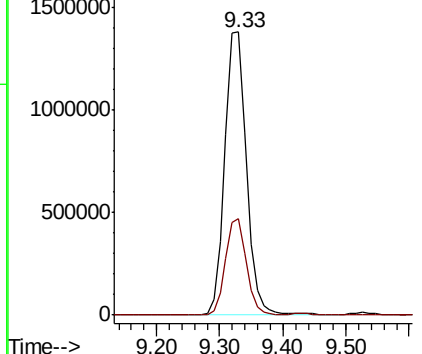
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.42 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059943.D

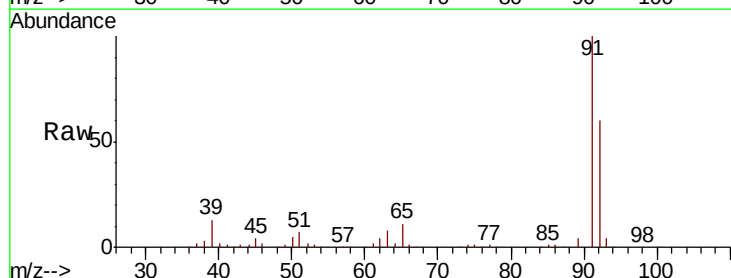
Acq: 4 Sep 2018 14:14

Tgt Ion: 92 Resp: 1325251

Ion Ratio Lower Upper

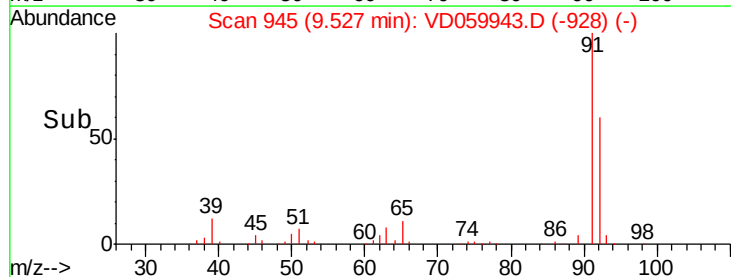
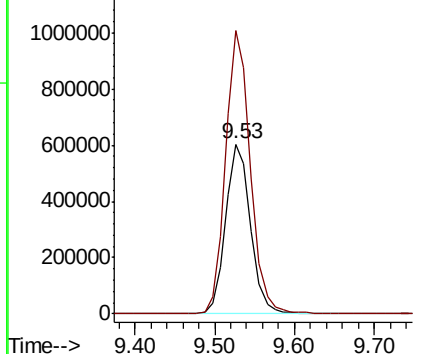
92 100

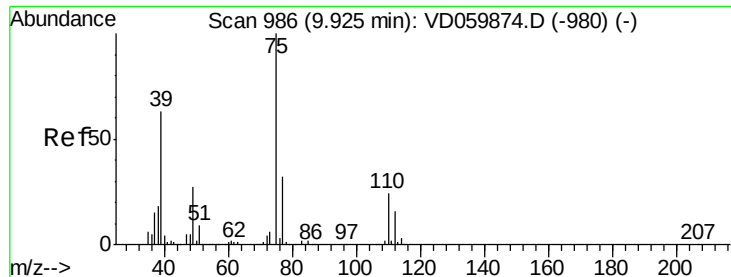
91 166.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





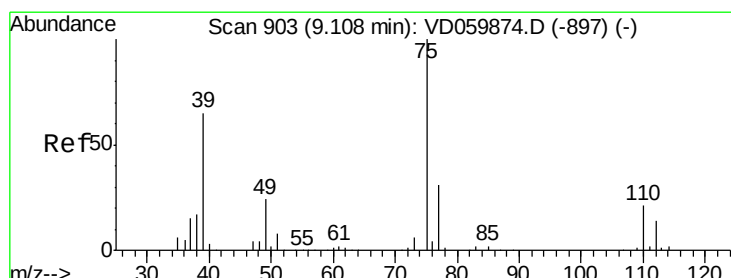
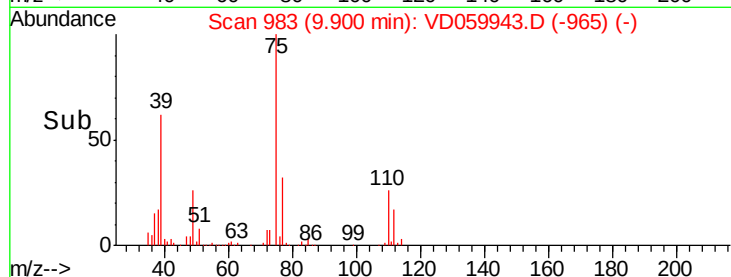
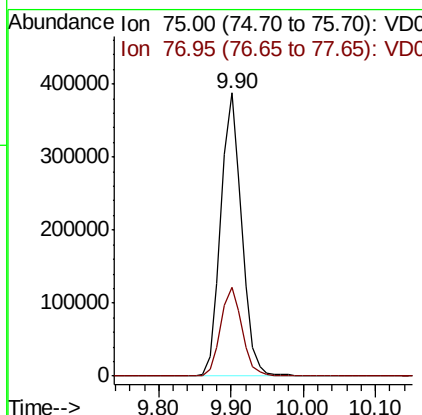
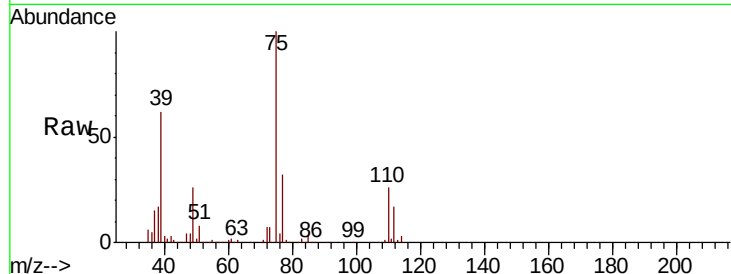
#53
t-1,3-Dichloropropene
Concen: 51.26 ug/l
RT: 9.90 min Scan# 983
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 775385
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

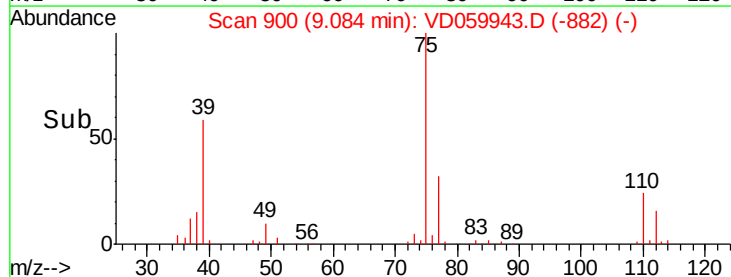
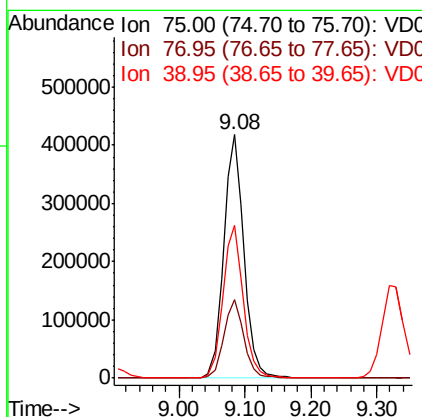
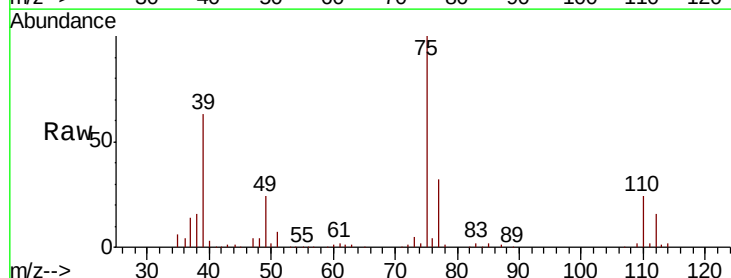
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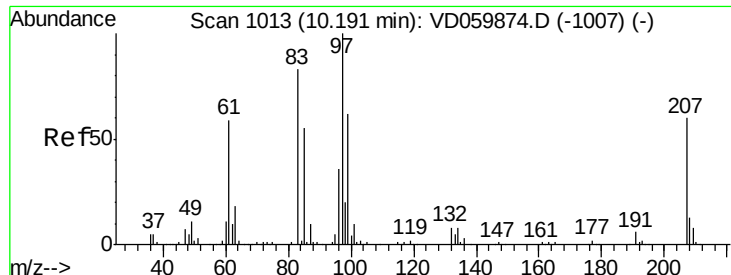
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#54
cis-1,3-Dichloropropene
Concen: 50.92 ug/l
RT: 9.08 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion: 75 Resp: 893088
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2
39 62.7 52.1 78.1





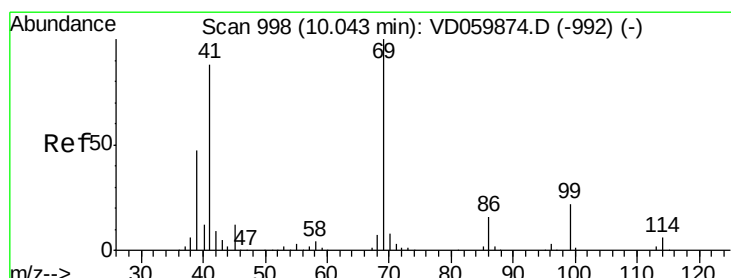
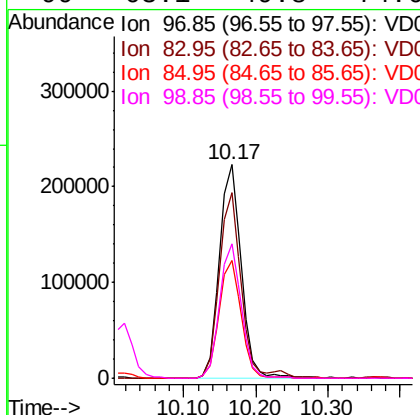
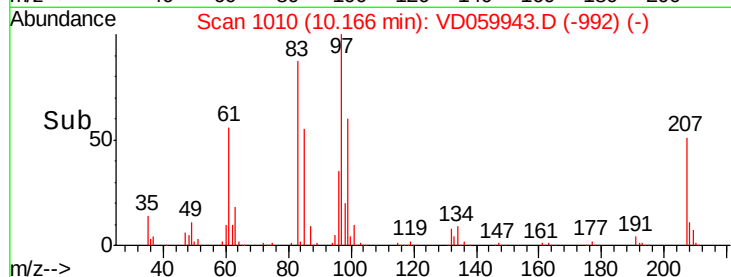
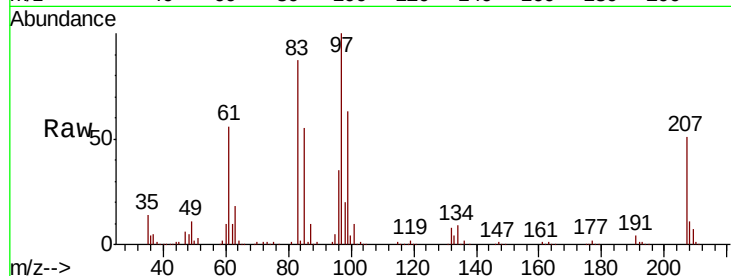
#55
 1,1,2-Trichloroethane
 Concen: 49.41 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	465462
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.7	100.1
85	55.1	43.8	65.6
99	63.1	49.8	74.6

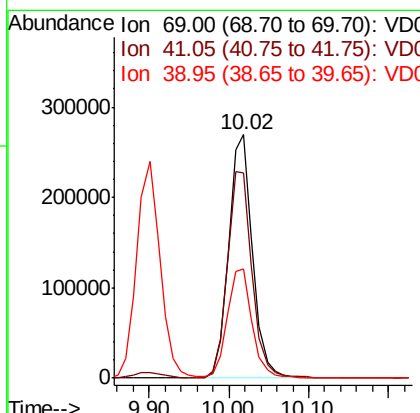
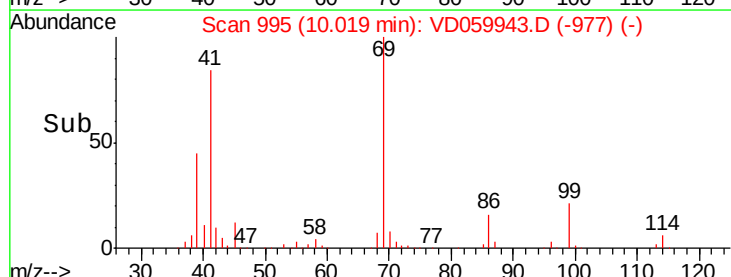
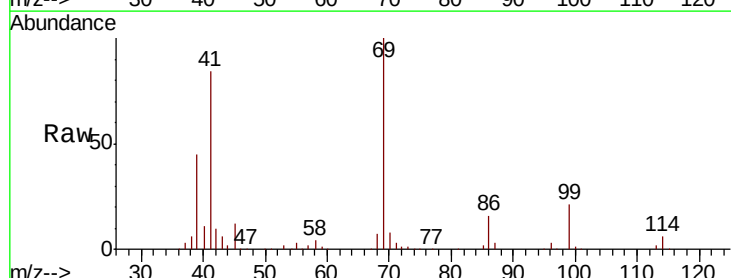
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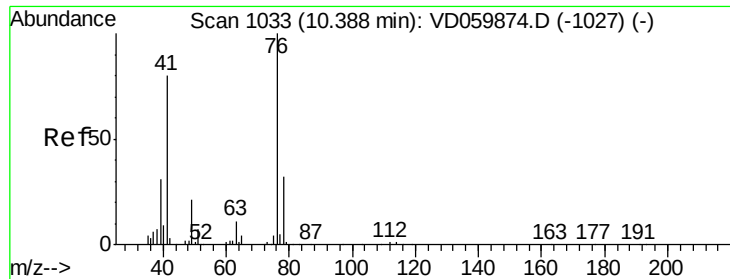
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#56
 Ethyl methacrylate
 Concen: 51.92 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion:	69	Resp:	564511
Ion	Ratio	Lower	Upper
69	100		
41	84.2	71.0	106.4
39	44.6	38.5	57.7





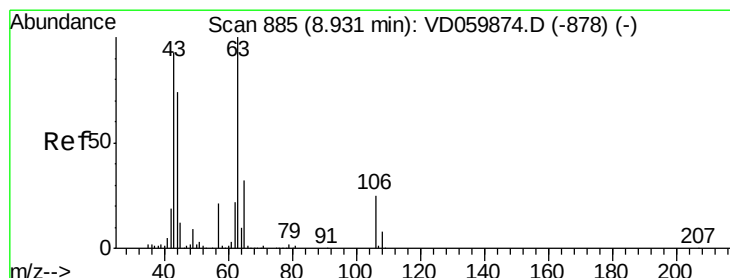
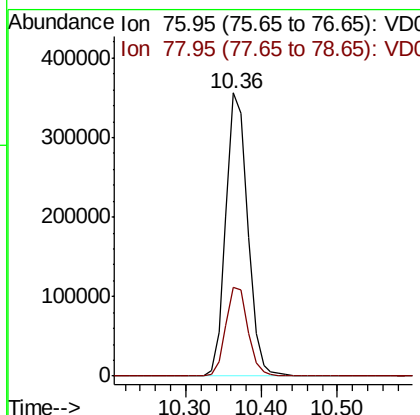
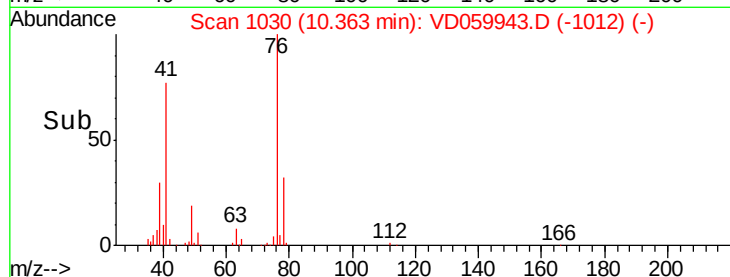
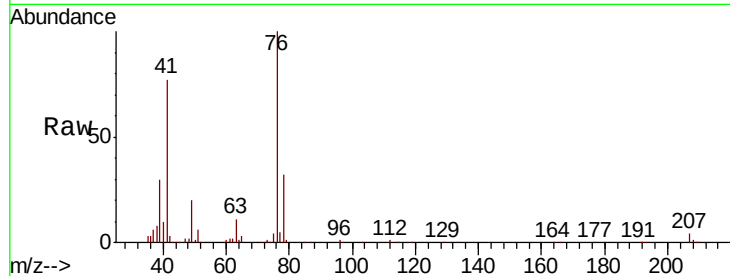
#57
 1,3-Dichloropropane
 Concen: 52.29 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 713051
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

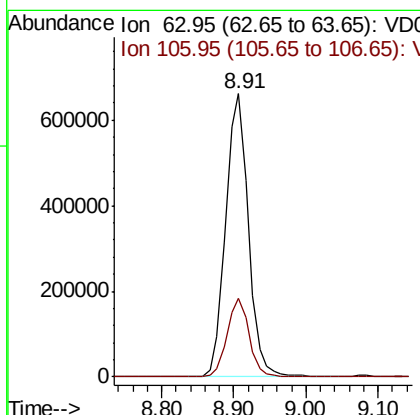
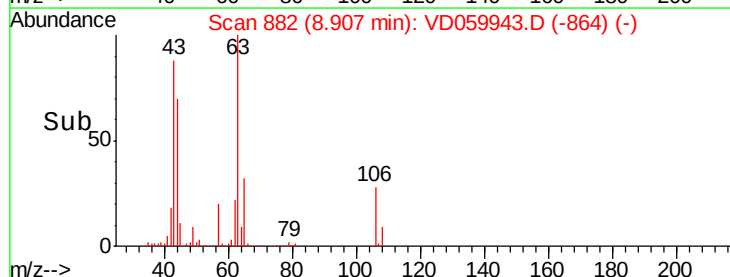
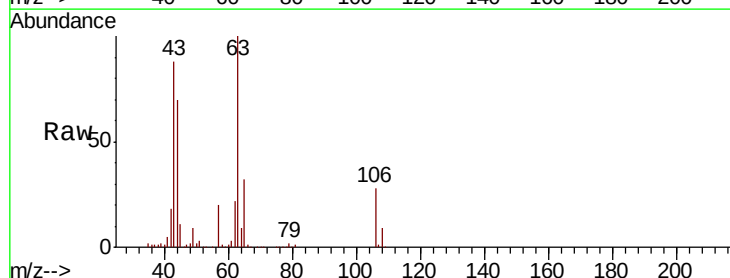
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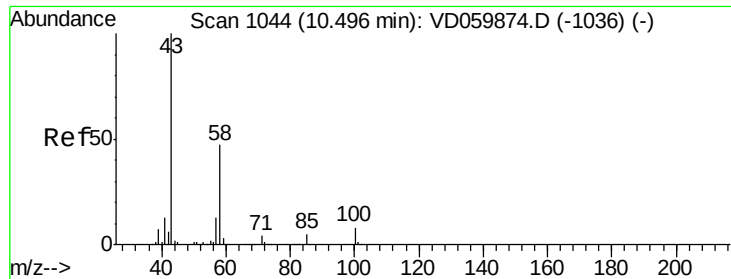
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#58
 2-Chloroethyl Vinyl ether
 Concen: 277.39 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion: 63 Resp: 1446870
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.1 30.1





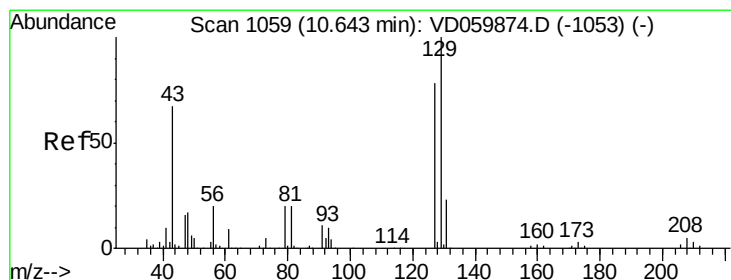
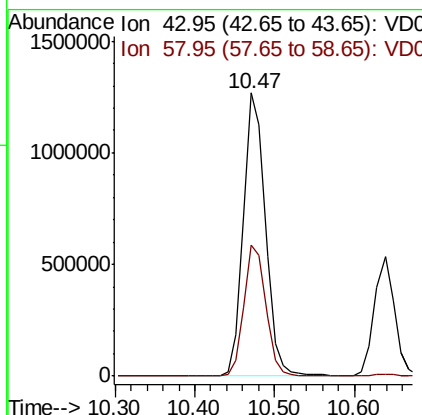
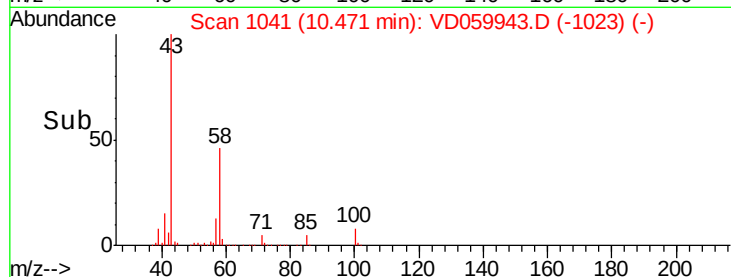
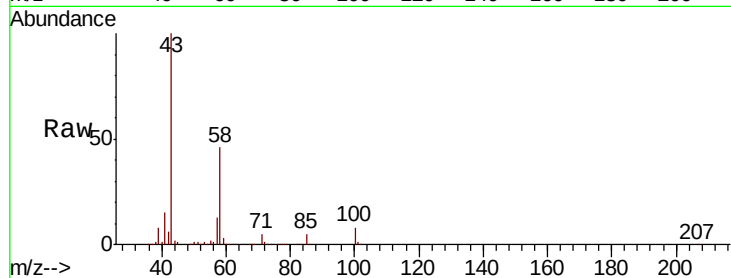
#59
2-Hexanone
Concen: 281.24 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2420121
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.8

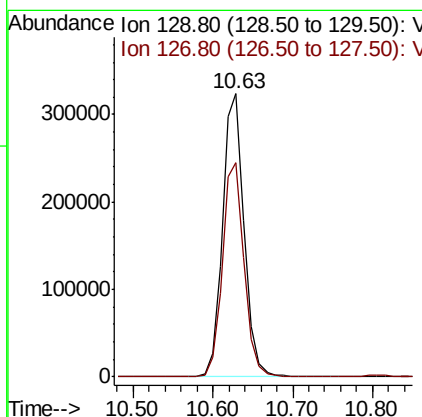
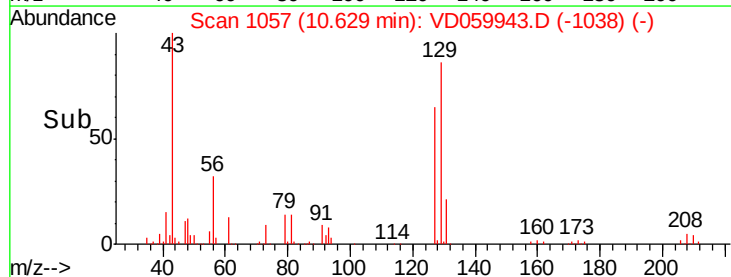
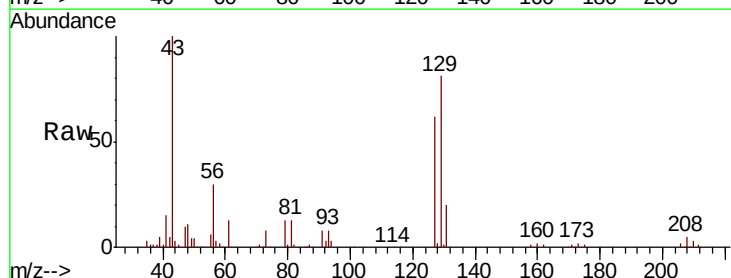
Manual Integrations
APPROVED

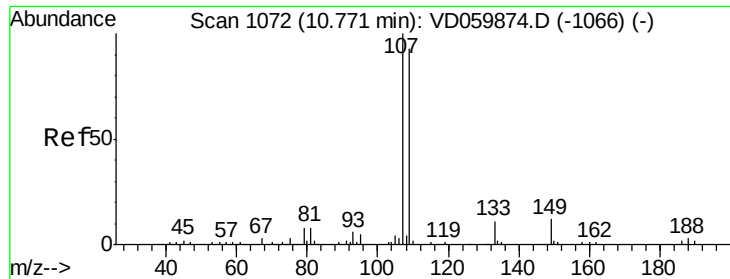
apatel
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#60
Dibromochloromethane
Concen: 51.97 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion:129 Resp: 615431
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.99 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 495217

Ion Ratio Lower Upper

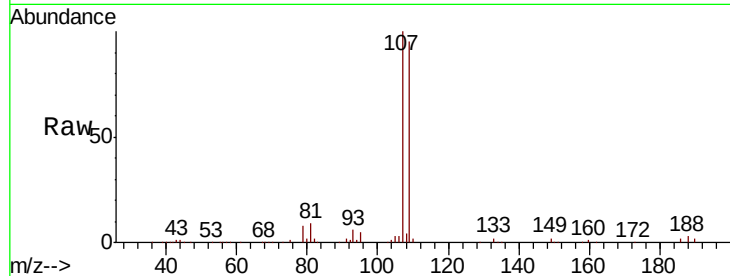
107 100

109 94.9 74.6 112.0

Manual Integrations
APPROVED

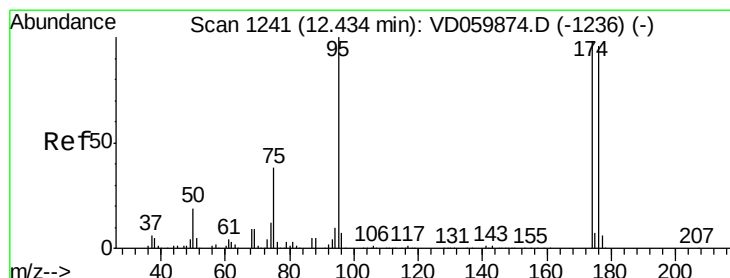
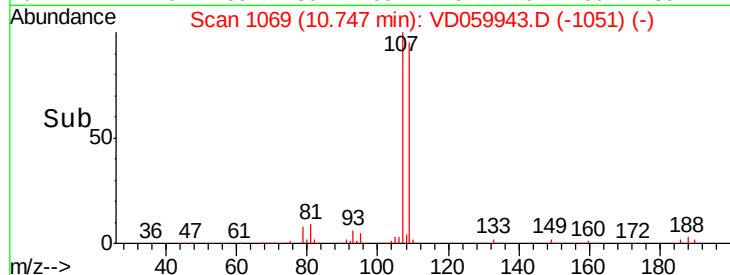
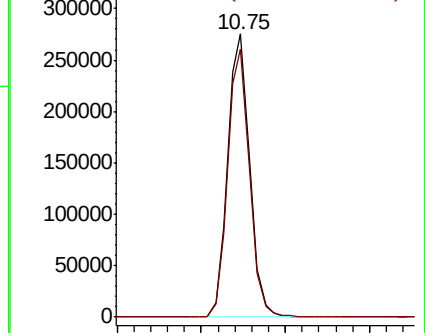
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.99 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

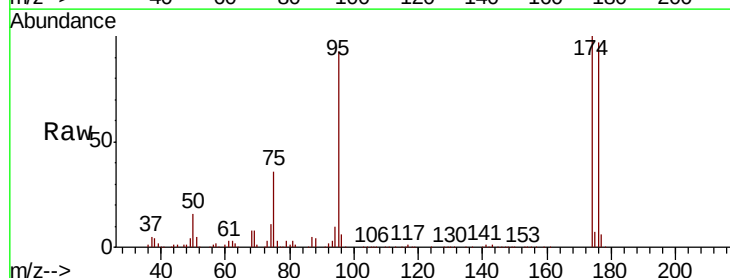
Tgt Ion: 95 Resp: 755495

Ion Ratio Lower Upper

95 100

174 107.0 0.0 195.6

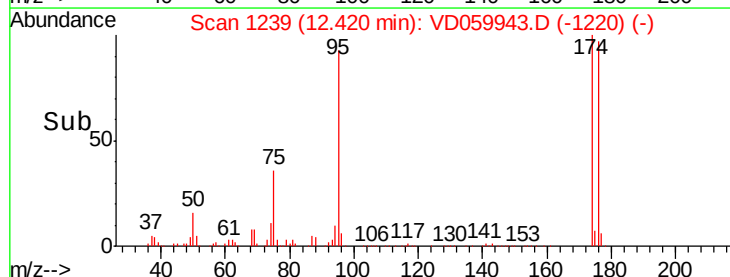
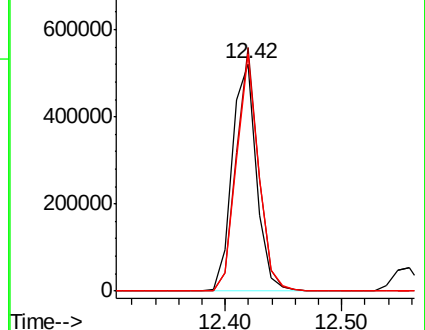
176 104.3 0.0 191.2

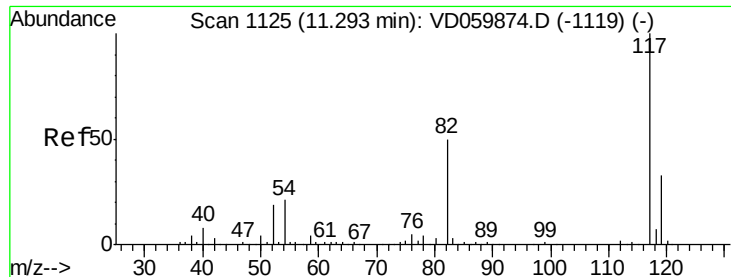


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





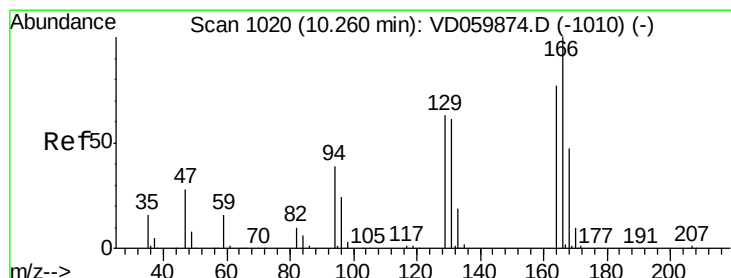
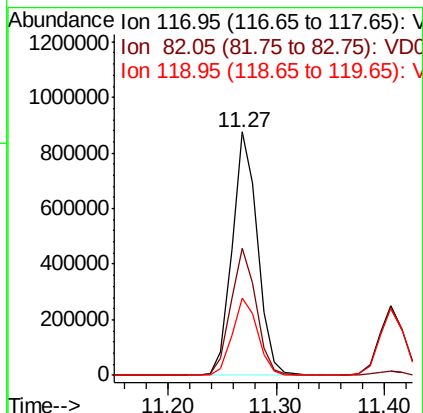
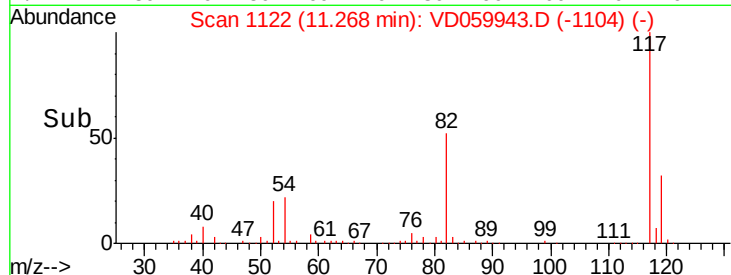
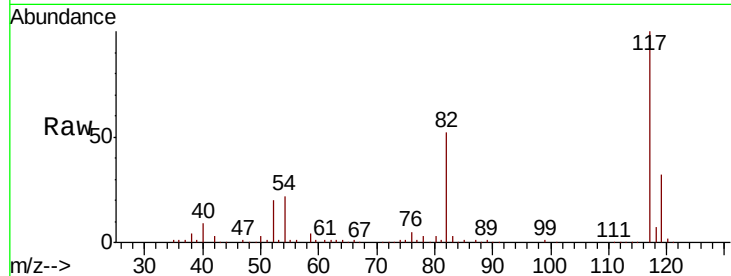
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1425930
Ion Ratio Lower Upper
117 100
82 52.1 40.1 60.1
119 31.8 26.7 40.1

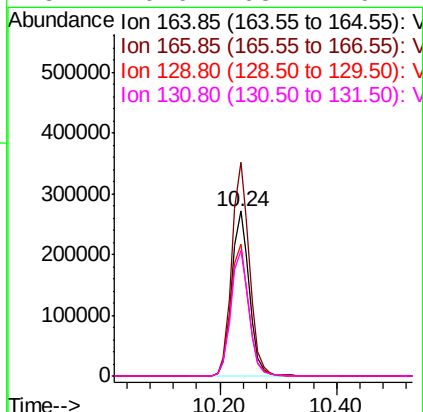
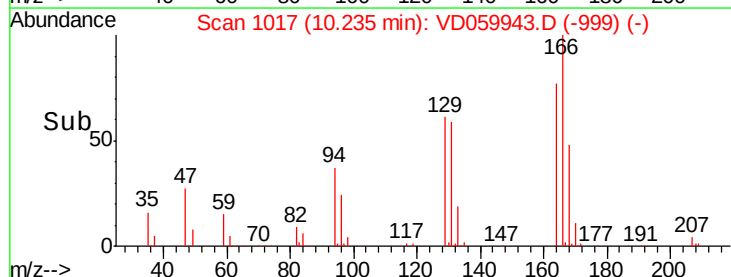
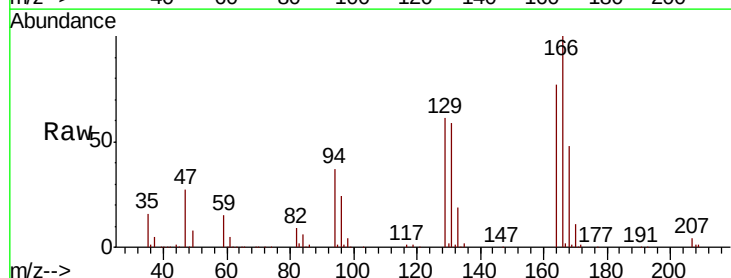
Manual Integrations
APPROVED

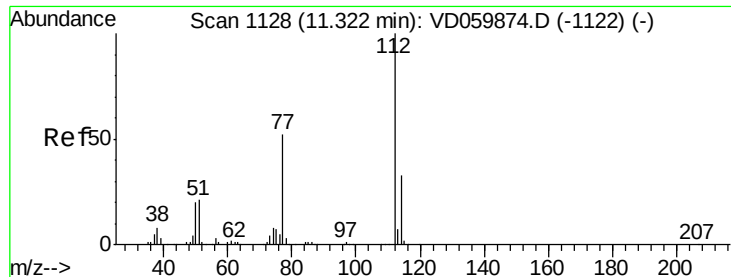
apatel
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#64
Tetrachloroethene
Concen: 51.35 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion:164 Resp: 566184
Ion Ratio Lower Upper
164 100
166 129.8 103.4 155.2
129 79.8 65.2 97.8
131 76.6 63.1 94.7





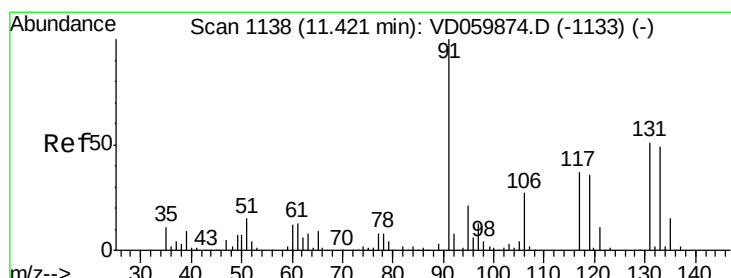
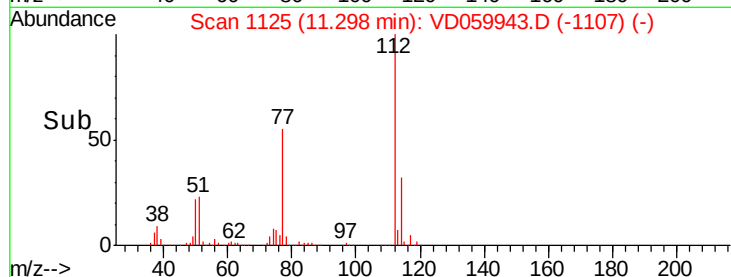
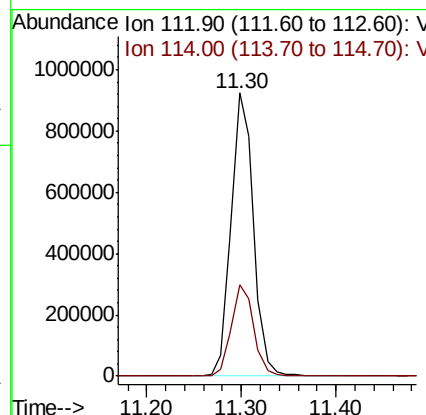
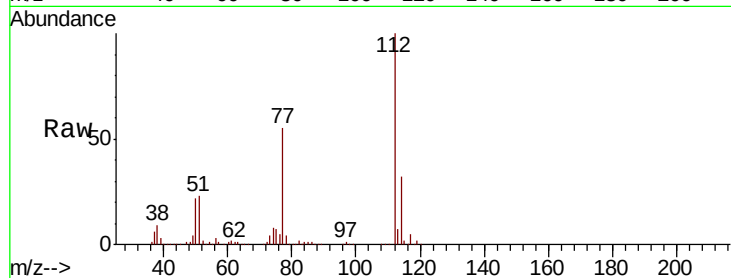
#65
Chlorobenzene
Concen: 53.13 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1505500
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6

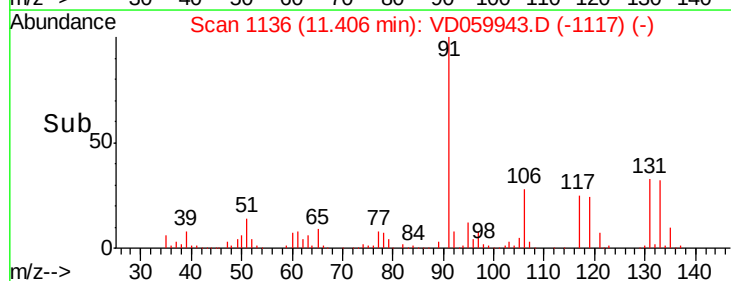
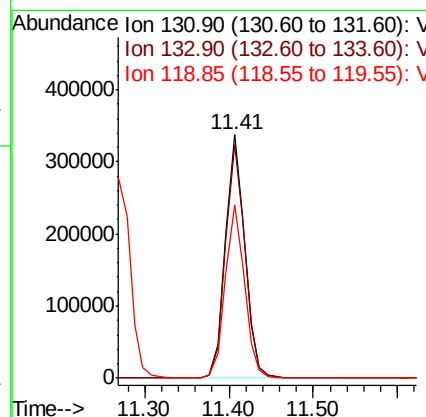
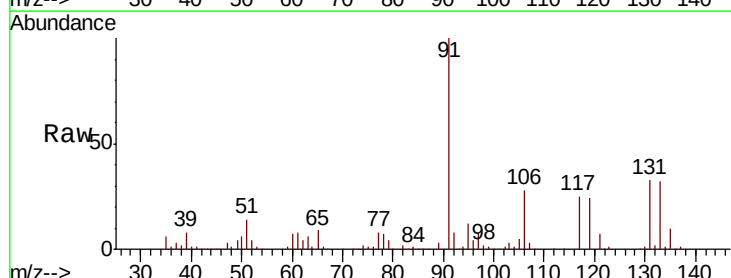
Manual Integrations
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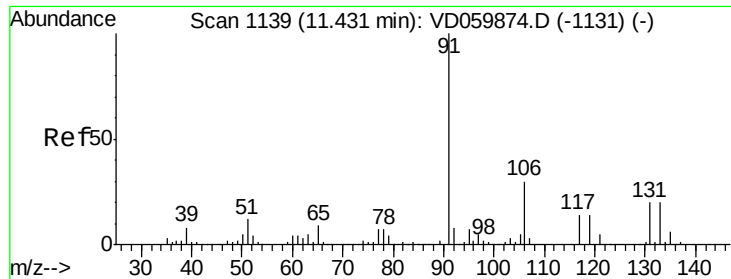
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.15 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion:131 Resp: 539914
Ion Ratio Lower Upper
131 100
133 96.1 48.3 144.8
119 71.3 35.4 106.3





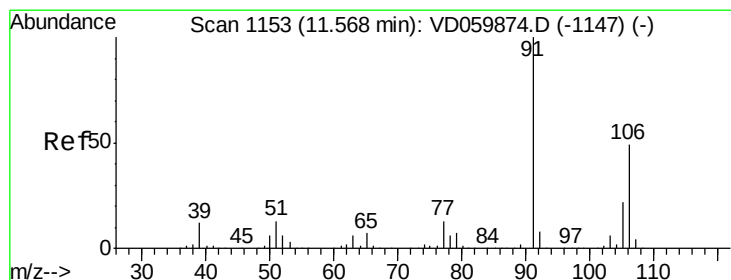
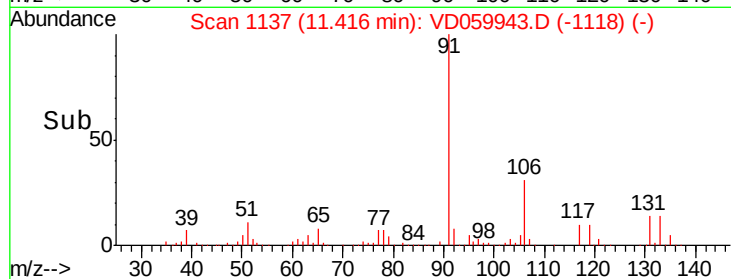
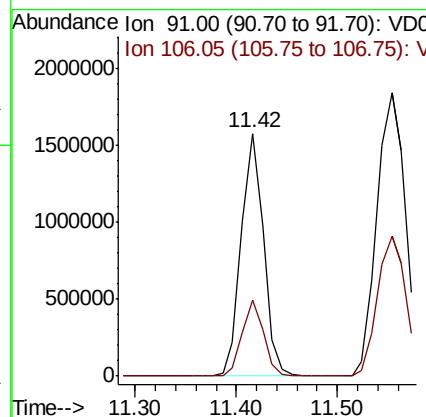
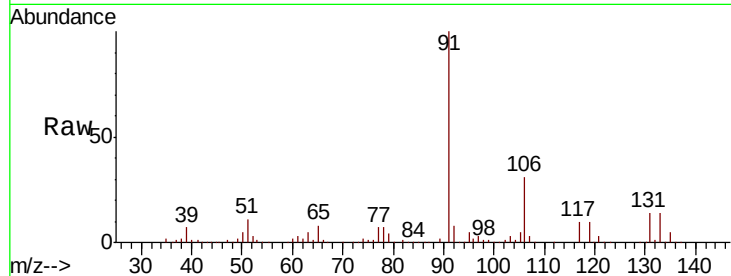
#67
Ethyl Benzene
Concen: 51.00 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2431047
Ion Ratio Lower Upper
91 100
106 31.3 23.8 35.8

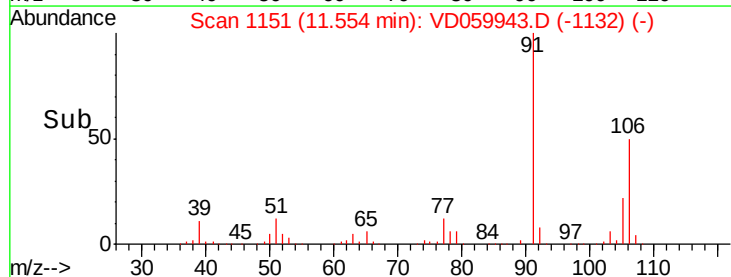
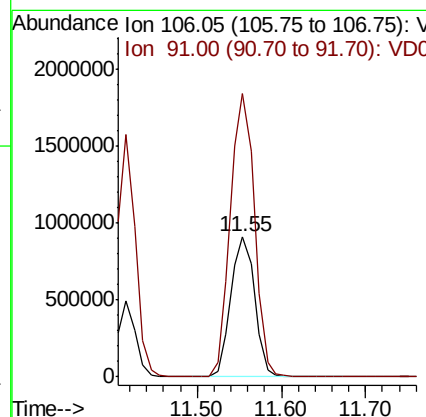
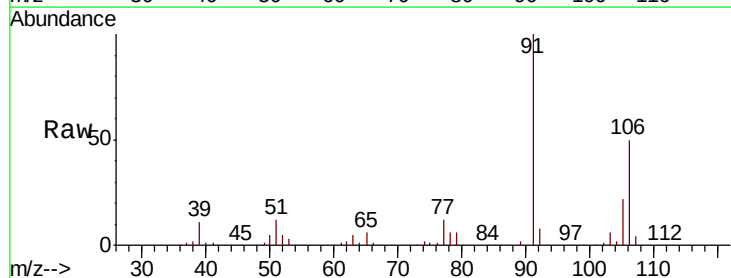
Manual Integrations
APPROVED

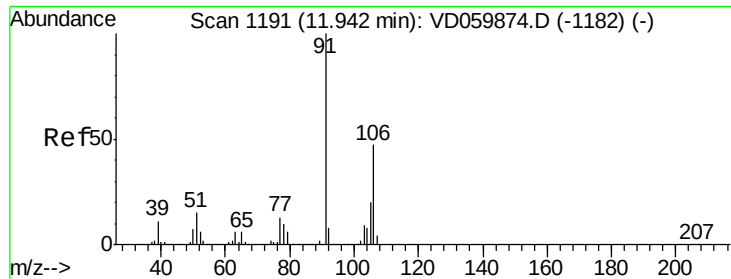
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#68
m/p-Xylenes
Concen: 103.39 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion:106 Resp: 1794577
Ion Ratio Lower Upper
106 100
91 201.7 162.0 243.0





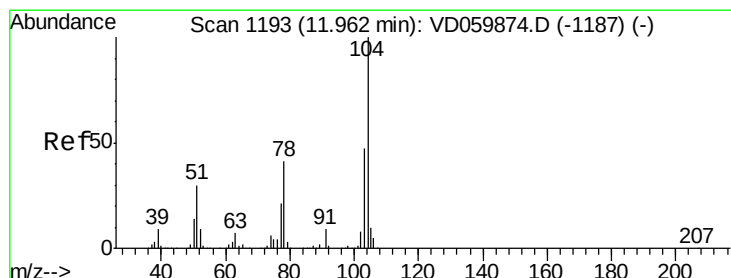
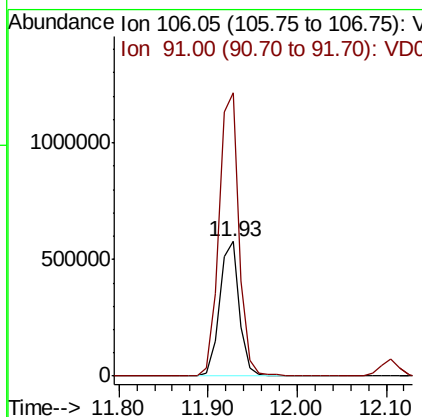
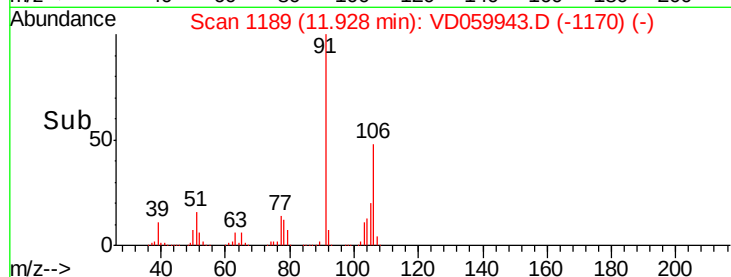
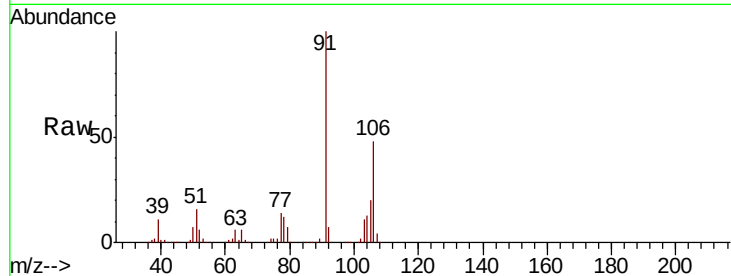
#69
o-Xylene
Concen: 53.02 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	107.3	322.0

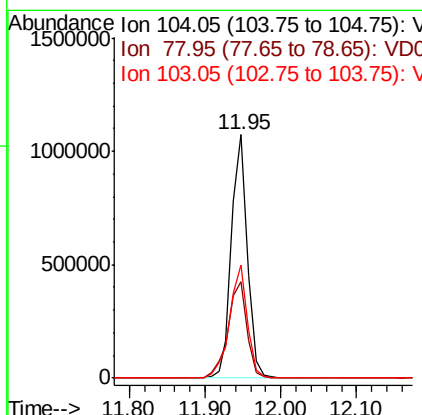
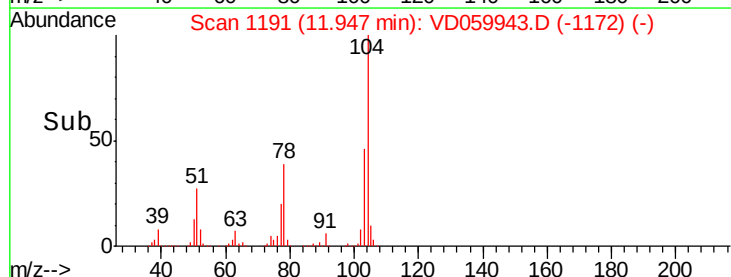
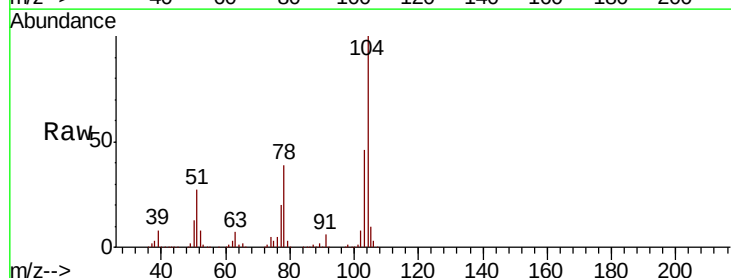
Manual Integrations
APPROVED

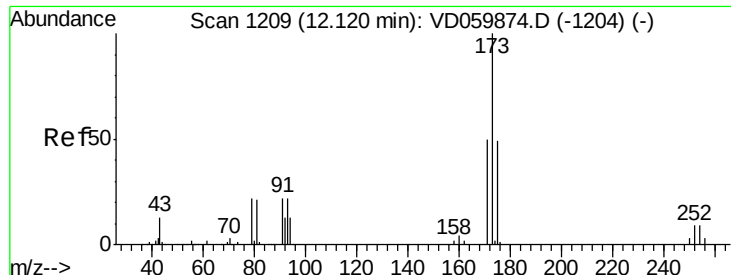
apatel
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#70
Styrene
Concen: 52.63 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.4	32.6	49.0
103	46.4	37.7	56.5





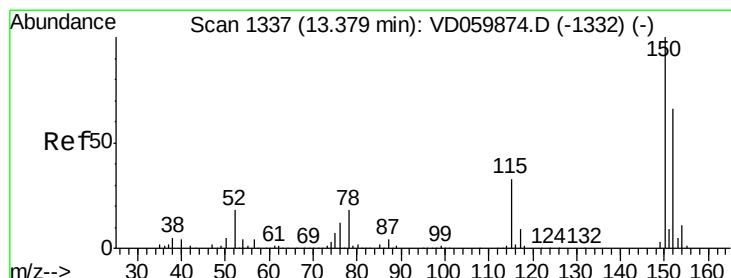
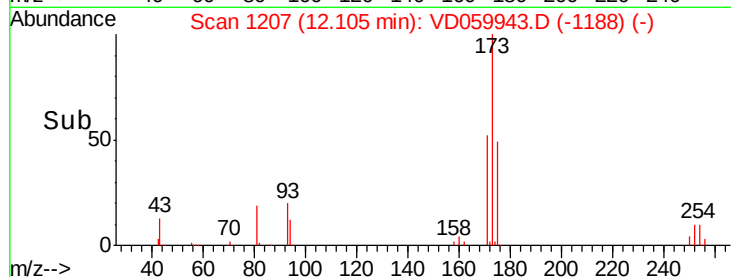
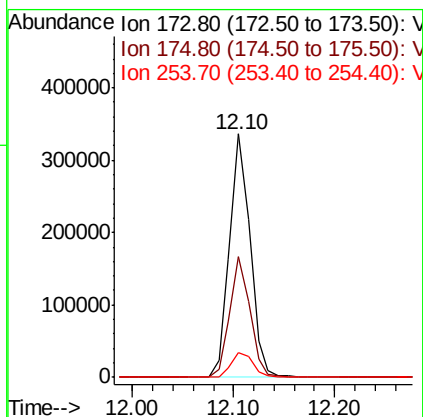
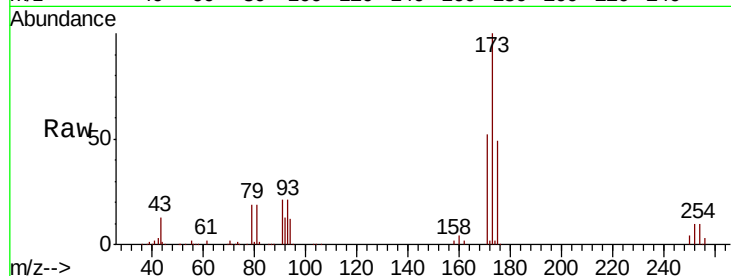
#71
Bromoform
Concen: 53.27 ug/l
RT: 12.10 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	10.2	7.0	10.6

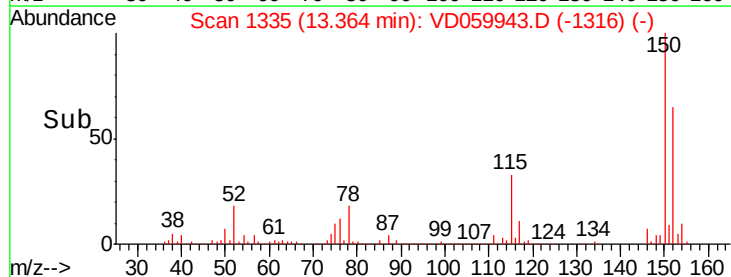
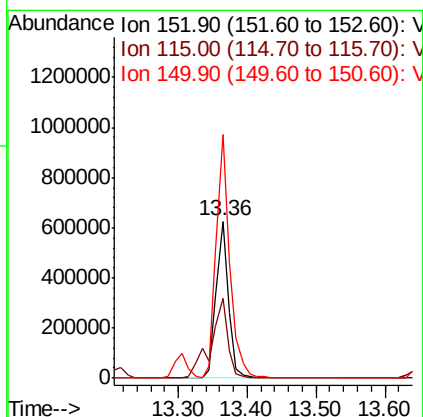
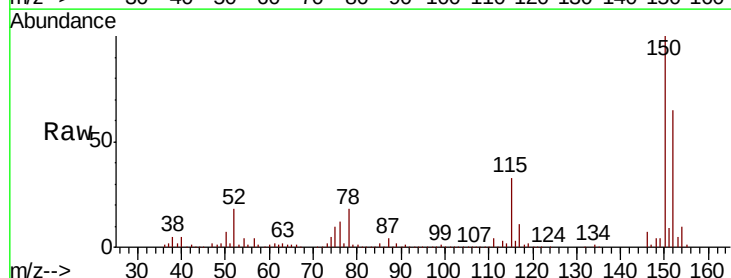
Manual Integrations
APPROVED

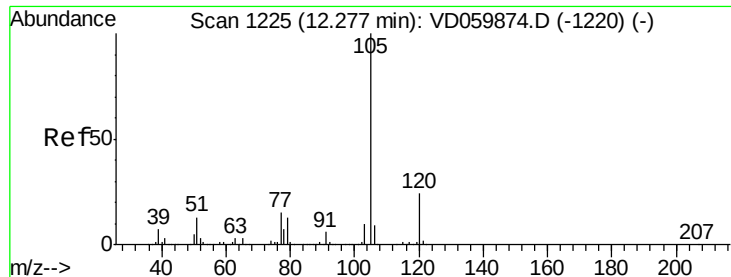
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.0	25.7	77.0
150	154.9	0.0	310.2





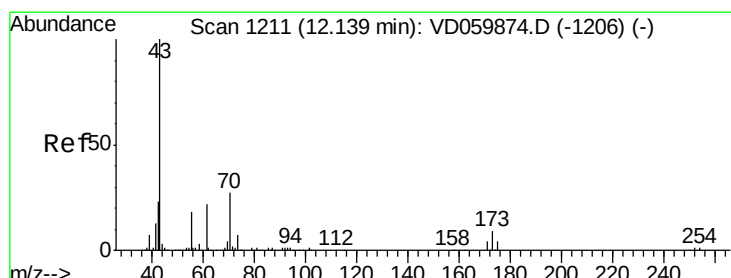
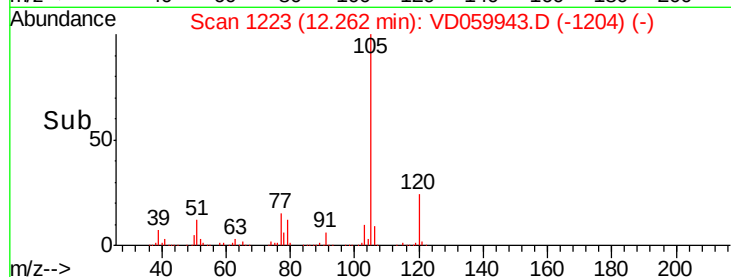
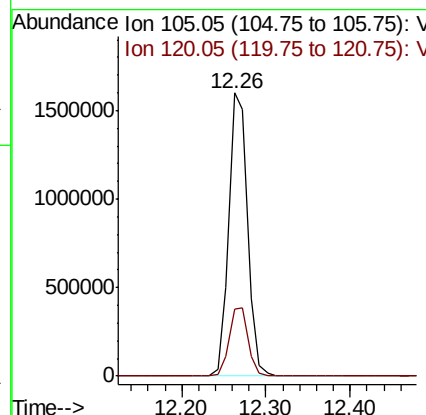
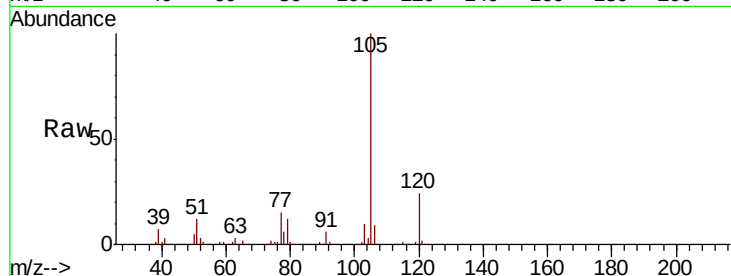
#73
Isopropylbenzene
Concen: 49.88 ug/l
RT: 12.26 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2469866
Ion Ratio Lower Upper
105 100
120 23.7 11.8 35.4

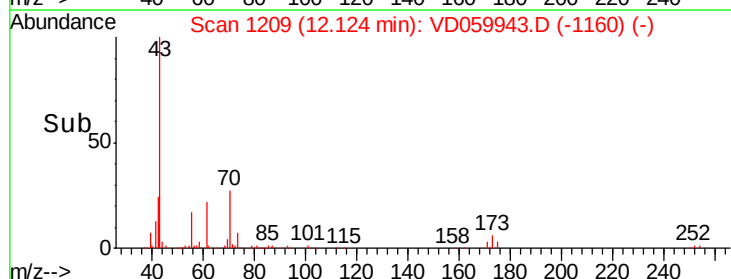
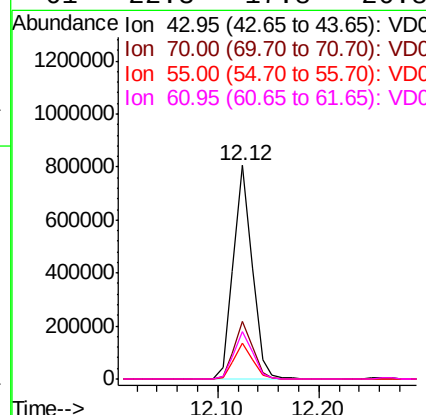
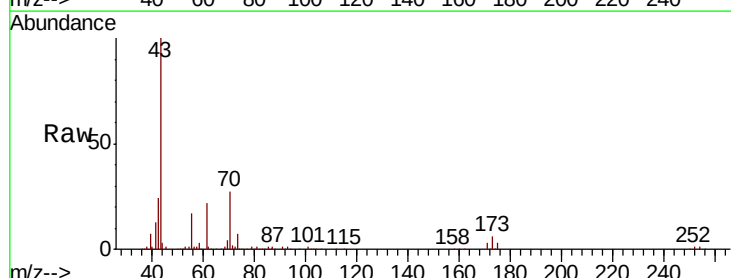
Manual Integrations
APPROVED

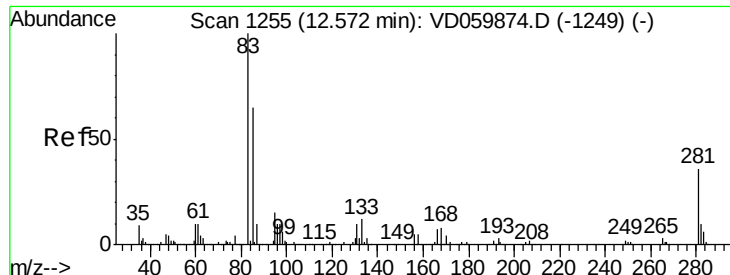
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#74
N-ethyl acetate
Concen: 48.29 ug/l
RT: 12.12 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion: 43 Resp: 1046946
Ion Ratio Lower Upper
43 100
70 26.7 21.4 32.2
55 17.0 14.1 21.1
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.63 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 591337
Ion Ratio Lower Upper

83 100

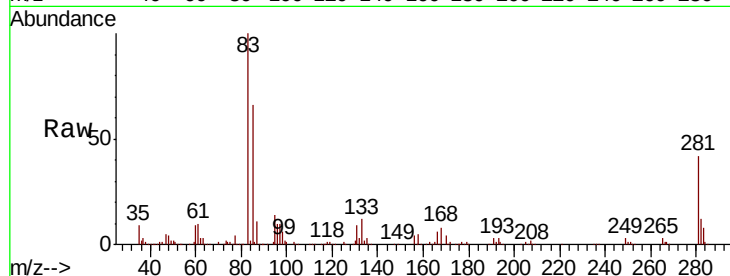
131 9.5 4.8 14.4

85 66.2 32.6 97.8

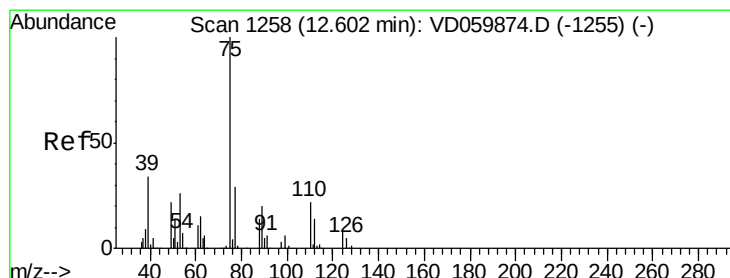
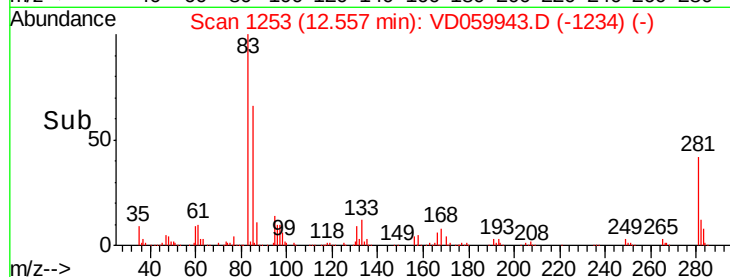
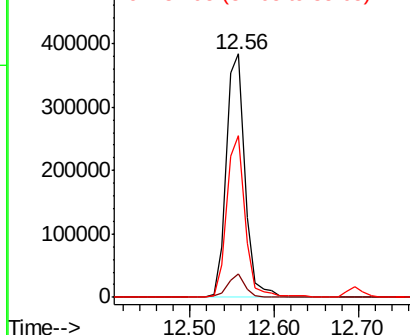
Manual Integrations
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.03 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

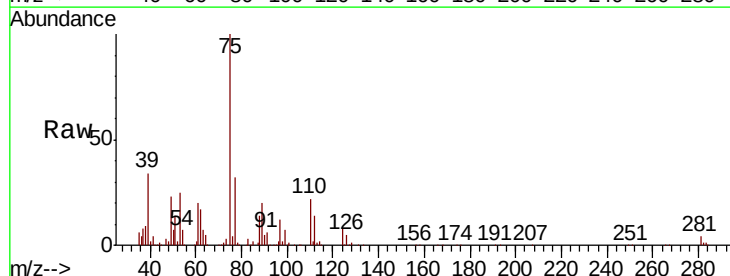
Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

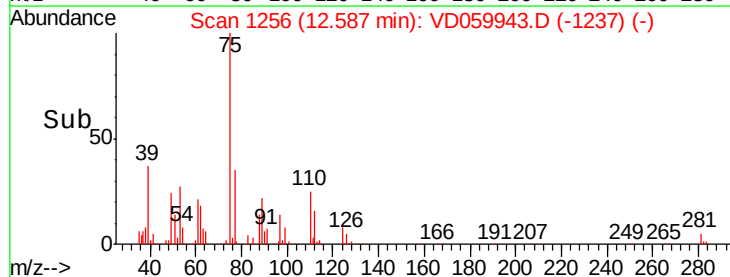
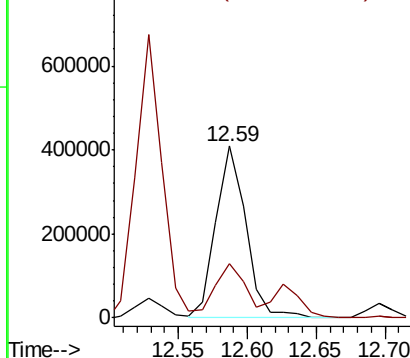
Tgt Ion: 75 Resp: 615126
Ion Ratio Lower Upper

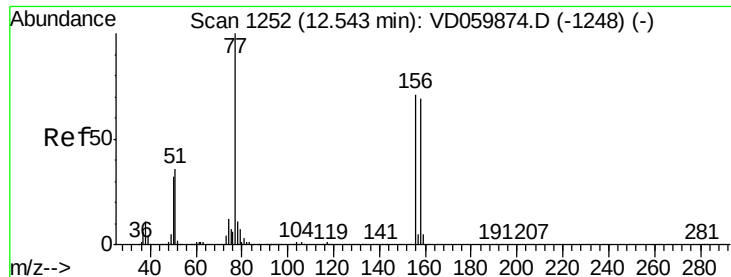
75 100

77 31.7 16.4 49.2



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





#77

Bromobenzene

Concen: 52.80 ug/l

RT: 12.53 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

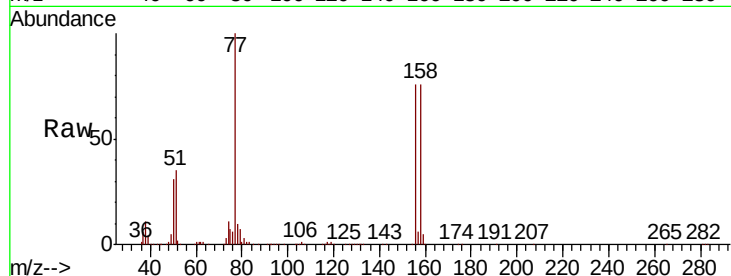
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.6	70.2	210.4
158	100.4	48.4	145.2

Manual Integrations
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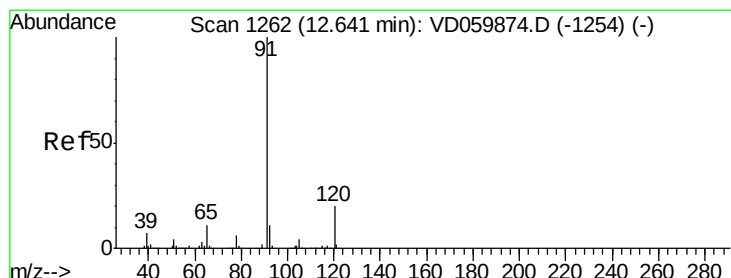
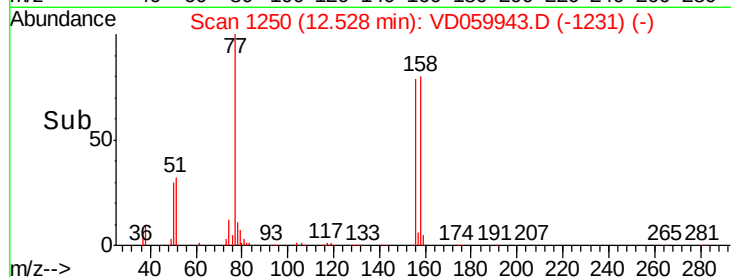
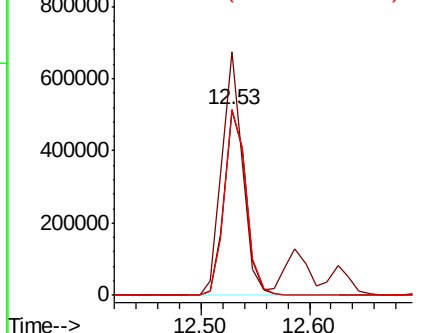
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.76 ug/l

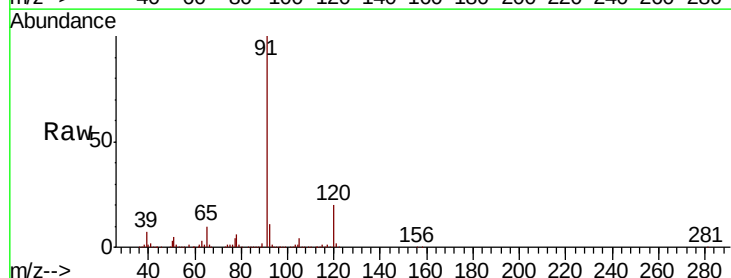
RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059943.D

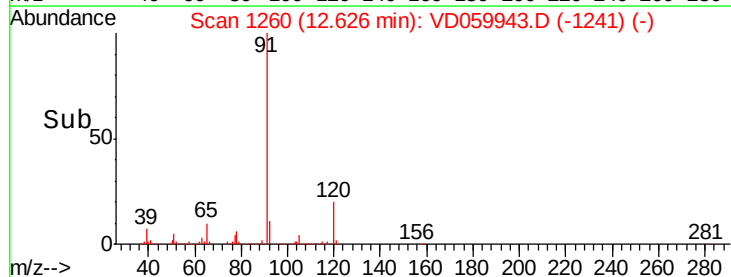
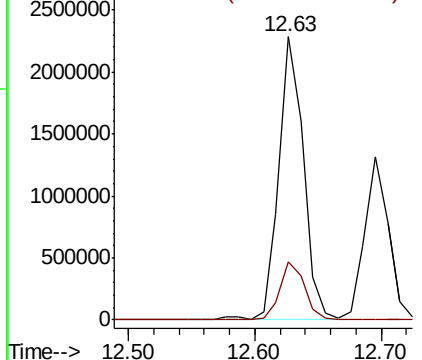
Acq: 4 Sep 2018 14:14

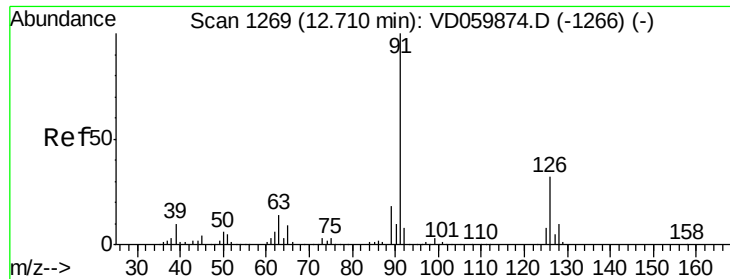
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.1	30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





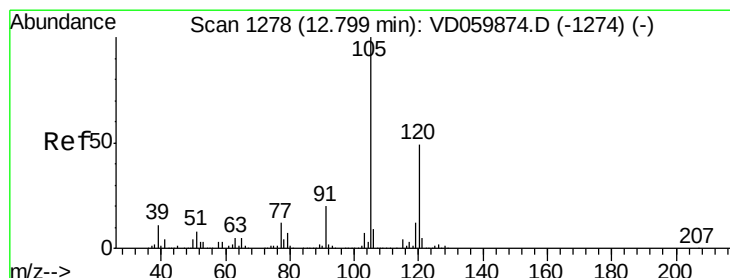
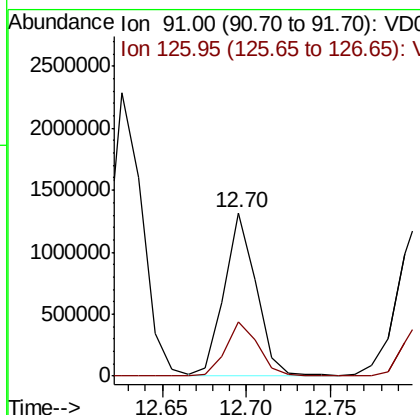
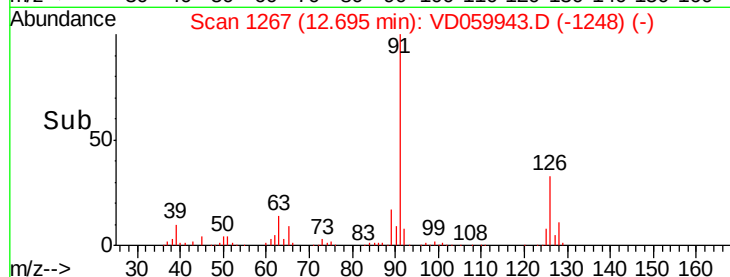
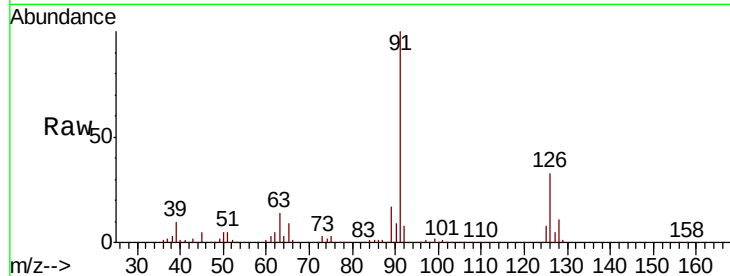
#79
2-Chlorotoluene
Concen: 49.03 ug/l
RT: 12.70 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1738522
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.2

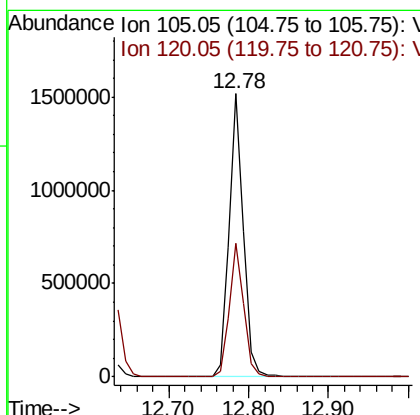
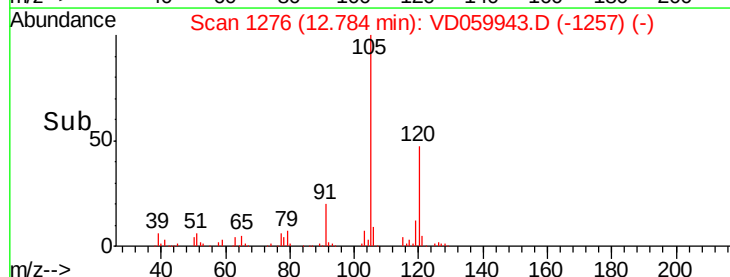
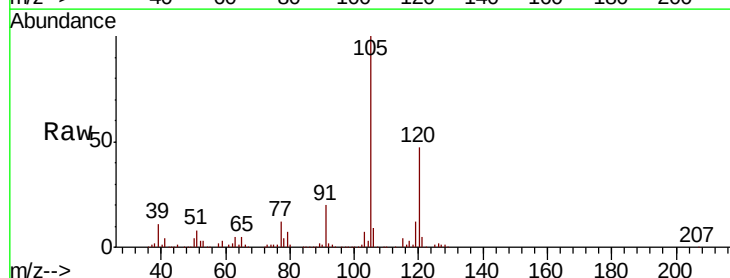
Manual Integrations
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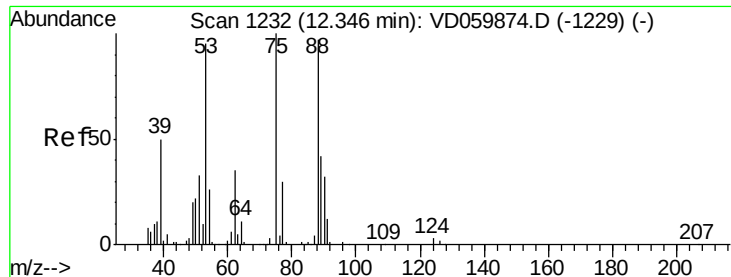
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#80
1,3,5-Trimethylbenzene
Concen: 48.63 ug/l
RT: 12.78 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion:105 Resp: 1914350
Ion Ratio Lower Upper
105 100
120 47.2 24.5 73.5





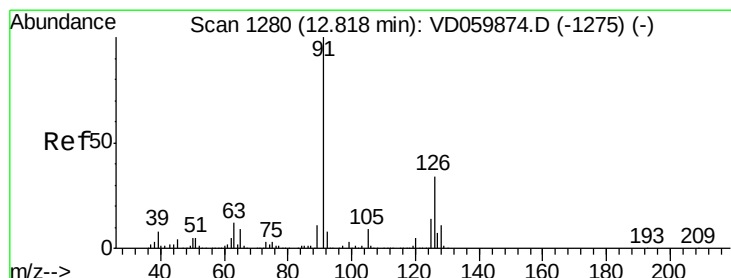
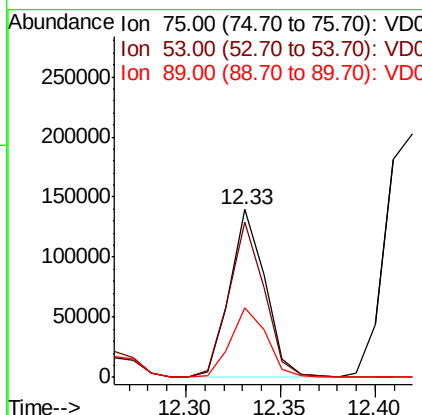
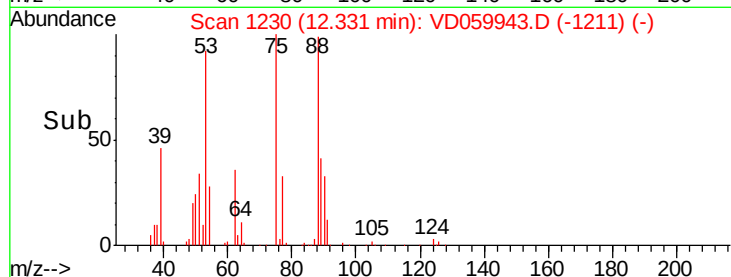
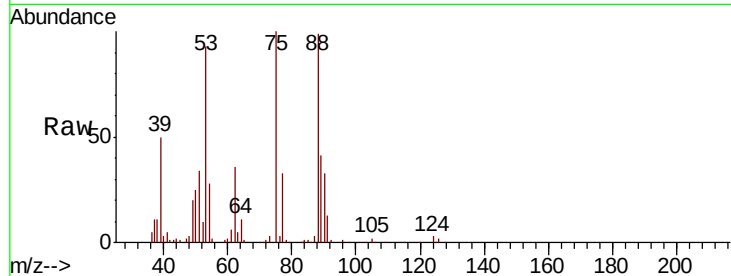
#81
trans-1,4-Dichloro-2-butene
Concen: 47.92 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	75.8	113.6
89	41.4	33.6	50.4

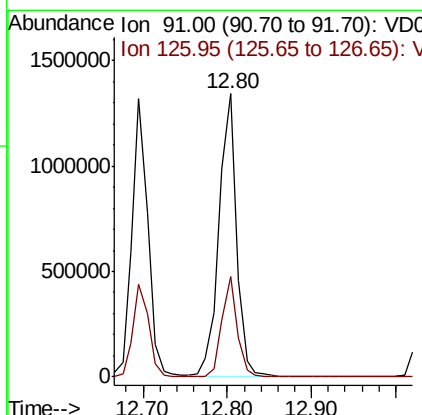
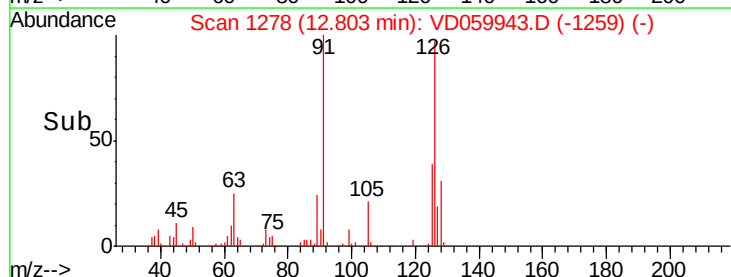
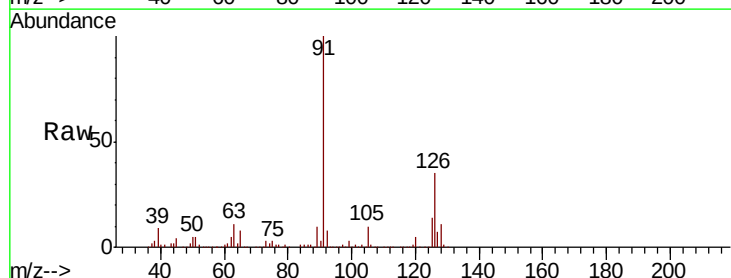
Manual Integrations
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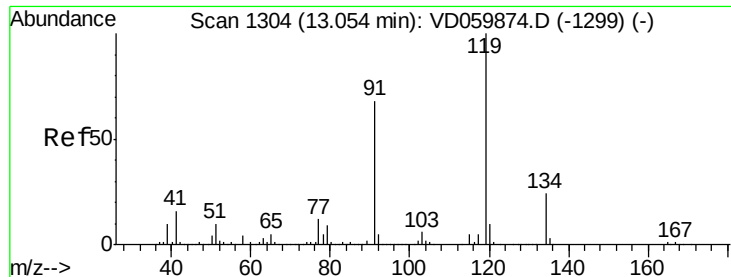
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#82
4-Chlorotoluene
Concen: 48.14 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.1	51.2





#83

tert-Butylbenzene

Concen: 49.06 ug/l

RT: 13.04 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2200131

Ion Ratio Lower Upper

119 100

91 67.9 34.3 102.9

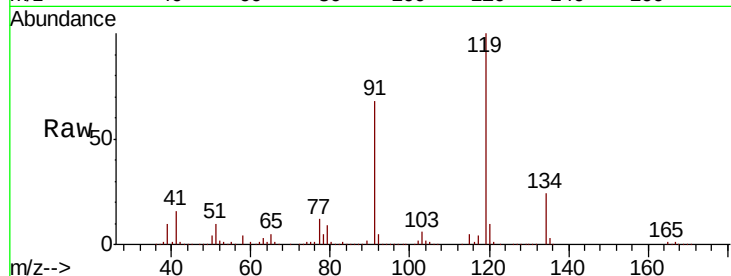
134 23.5 11.9 35.9

Manual Integrations

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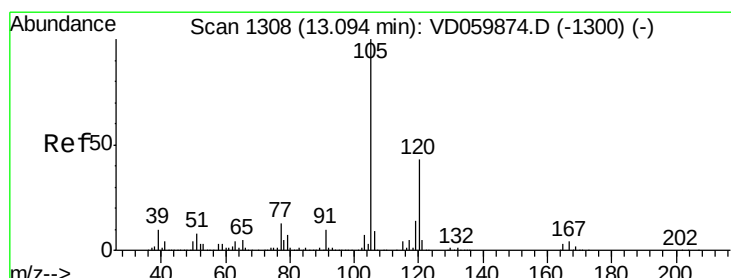
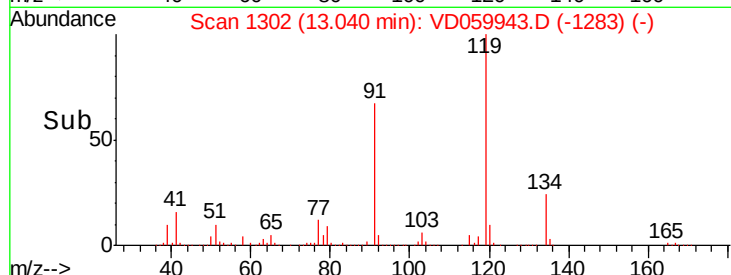
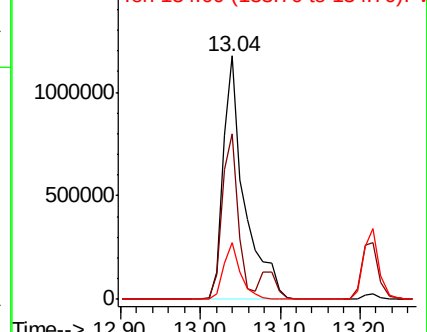
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.21 ug/l

RT: 13.09 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VD059943.D

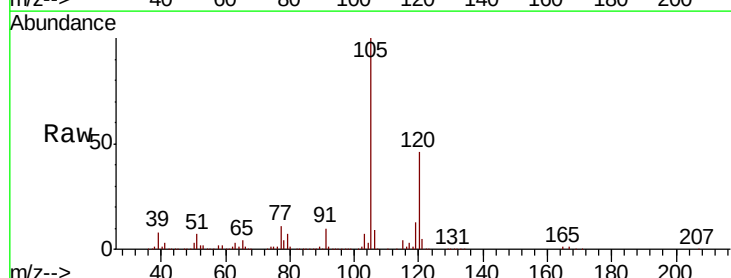
Acq: 4 Sep 2018 14:14

Tgt Ion:105 Resp: 1978098

Ion Ratio Lower Upper

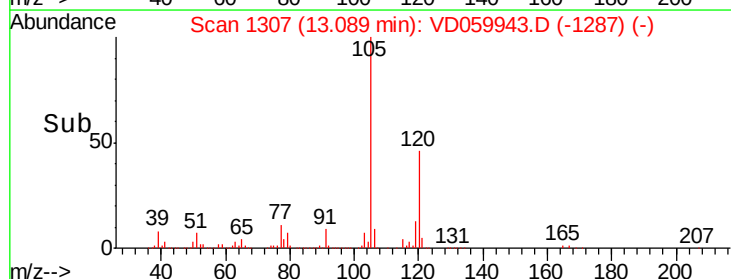
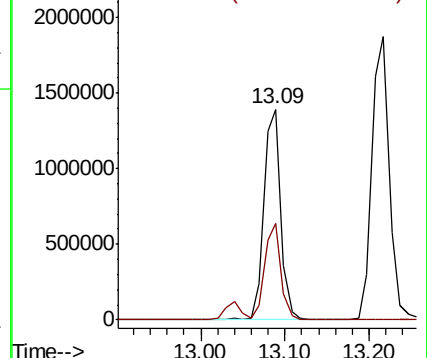
105 100

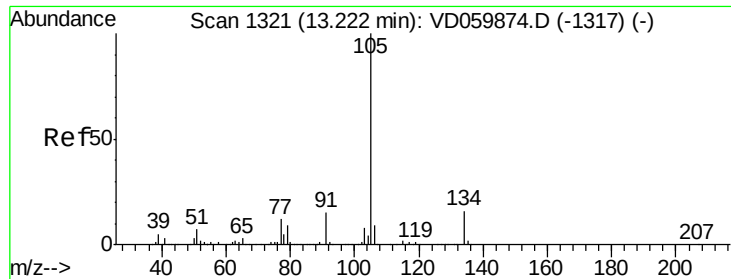
120 46.0 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





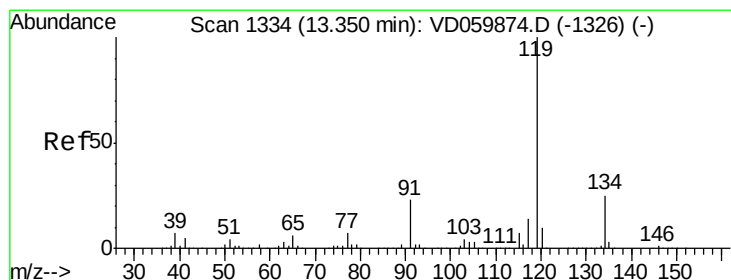
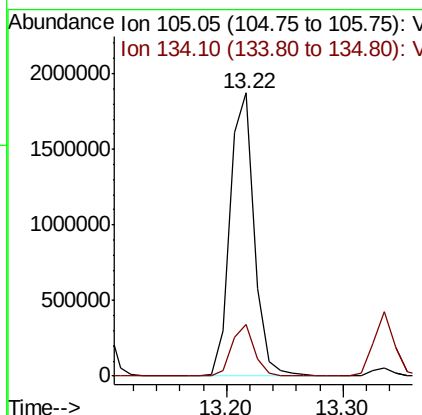
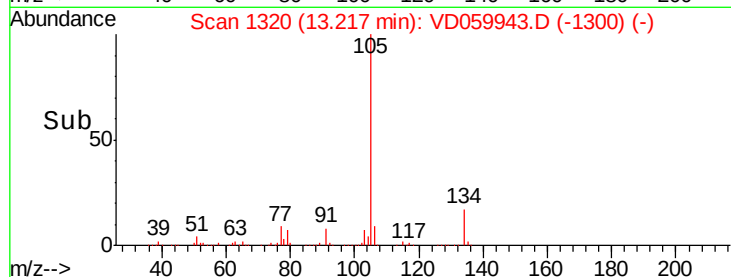
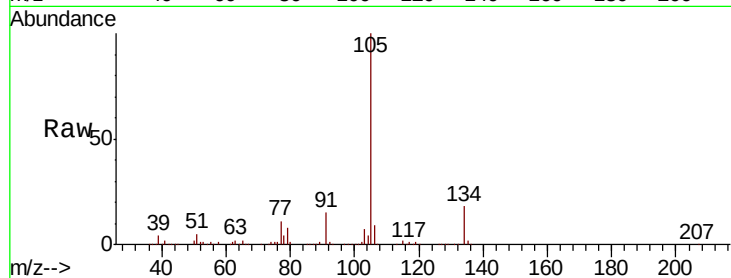
#85
 sec-Butylbenzene
 Concen: 50.61 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2668883
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.2 24.4

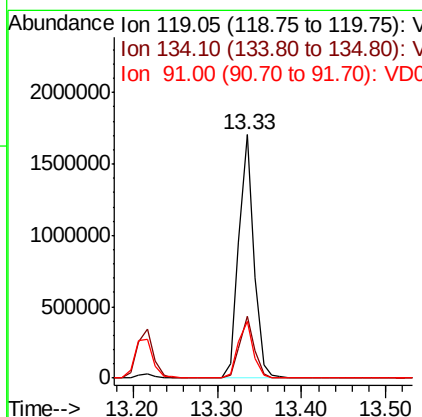
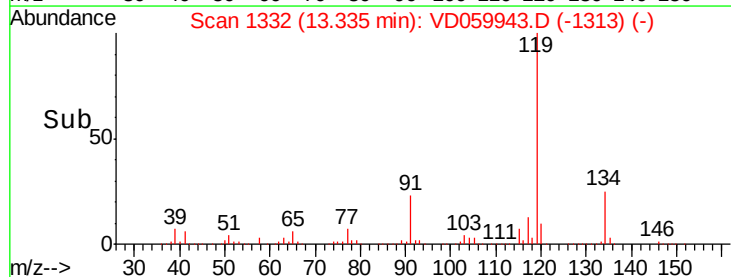
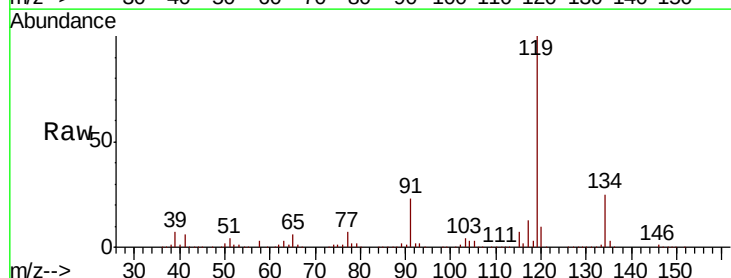
Manual Integrations
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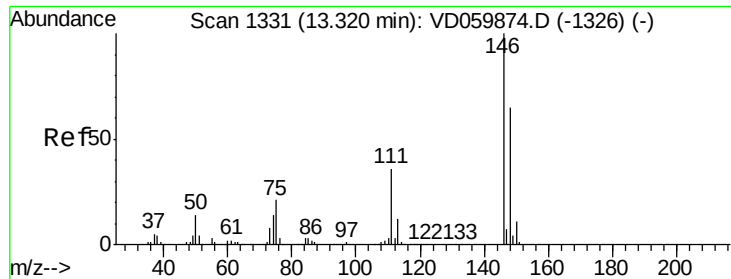
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#86
 p-Isopropyltoluene
 Concen: 49.53 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion:119 Resp: 2124112
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 23.3 11.7 35.0





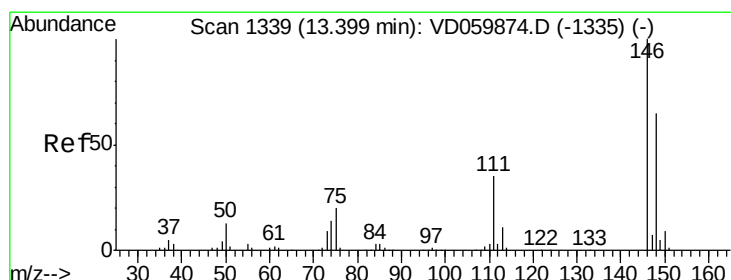
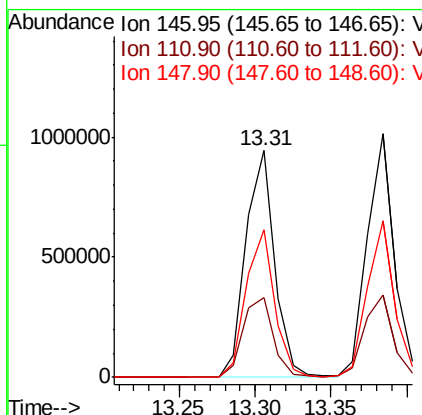
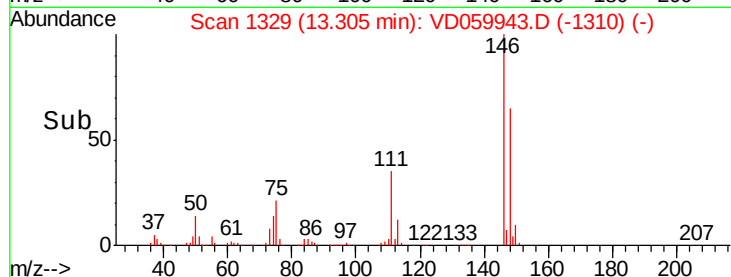
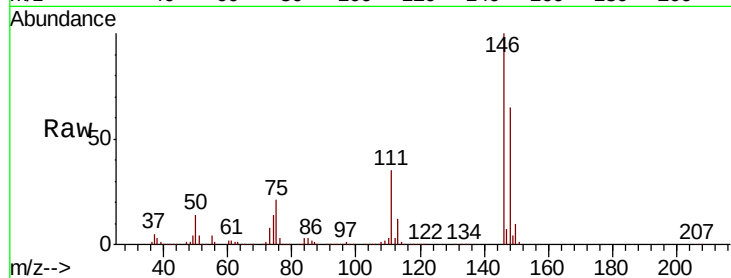
#87
 1,3-Dichlorobenzene
 Concen: 51.07 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.9	53.7
148	65.1	32.4	97.0

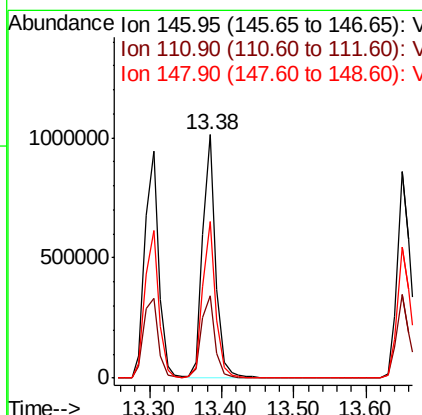
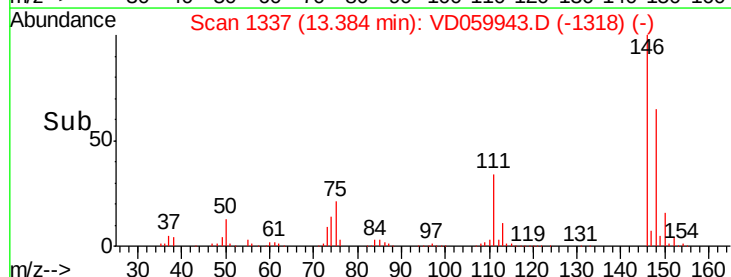
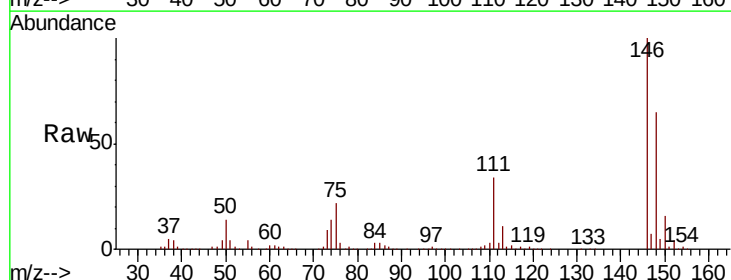
Manual Integrations
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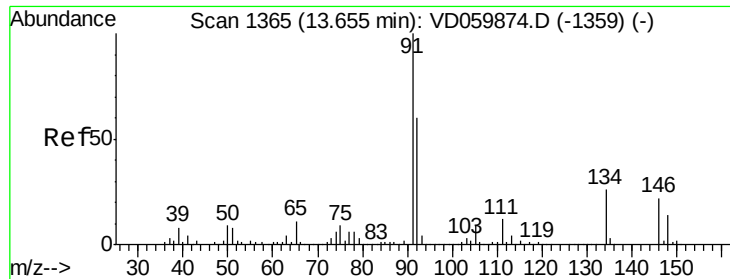
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#88
 1,4-Dichlorobenzene
 Concen: 52.18 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	17.5	52.6
148	64.5	32.5	97.5





#89

n-Butylbenzene

Concen: 52.73 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2132493

Ion Ratio Lower Upper

91 100

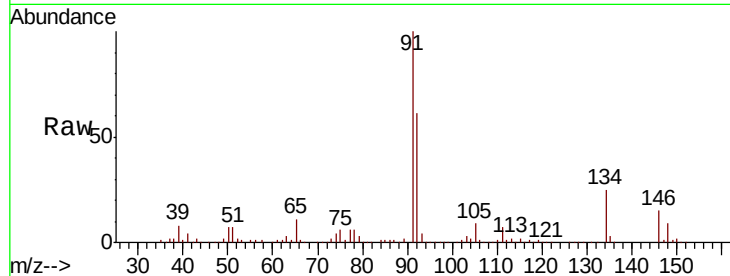
92 60.6 30.0 90.1

134 24.9 12.8 38.4

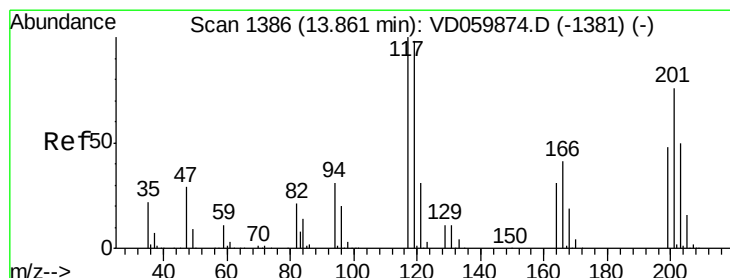
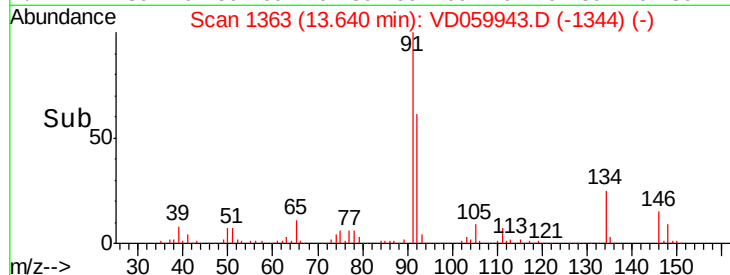
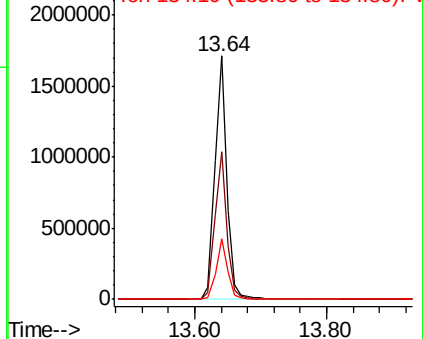
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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 47.43 ug/l

RT: 13.85 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VD059943.D

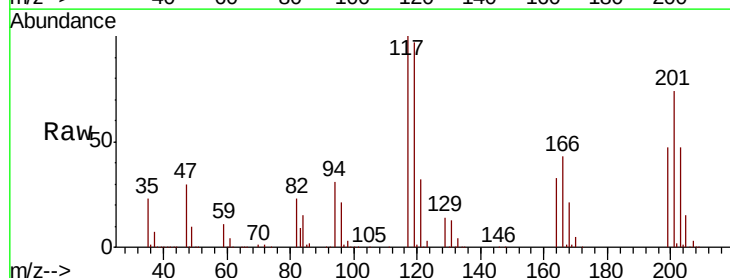
Acq: 4 Sep 2018 14:14

Tgt Ion: 117 Resp: 546169

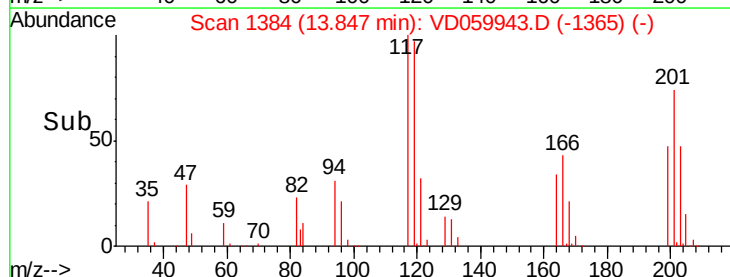
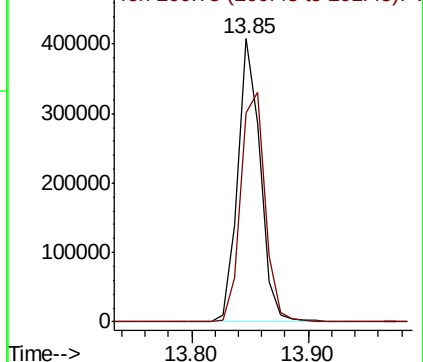
Ion Ratio Lower Upper

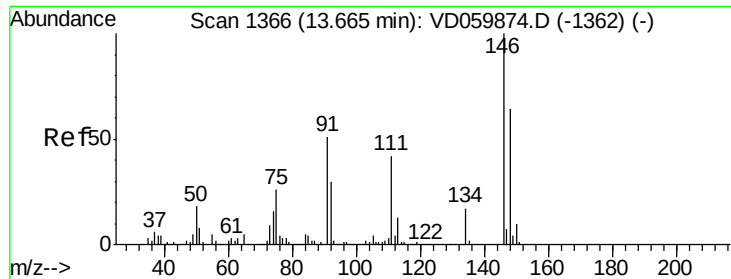
117 100

201 74.0 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 52.89 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1102187

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.1

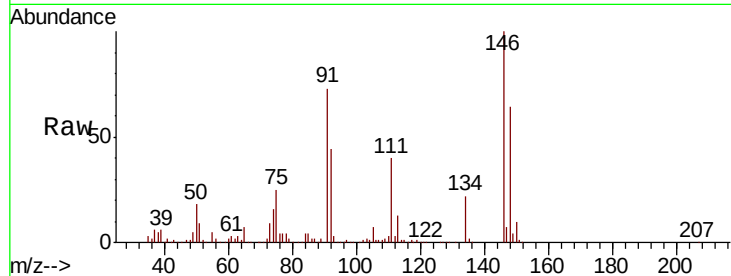
148 63.5 32.2 96.6

Manual Integrations

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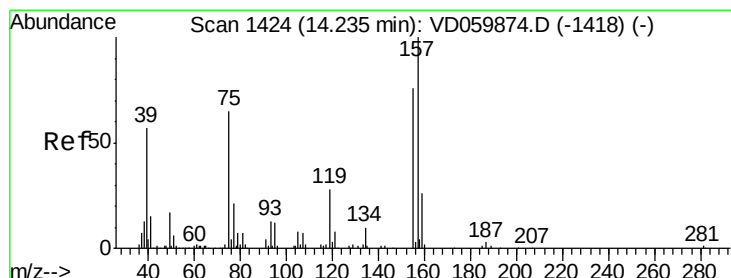
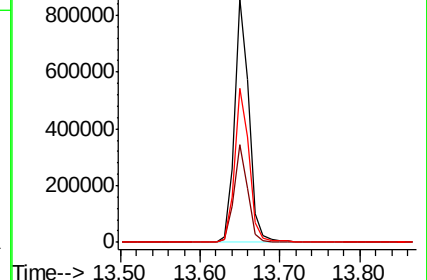
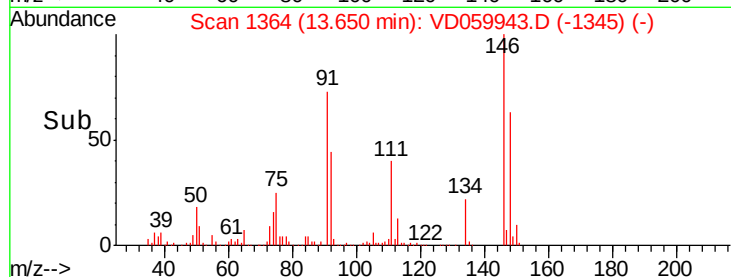
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.13 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

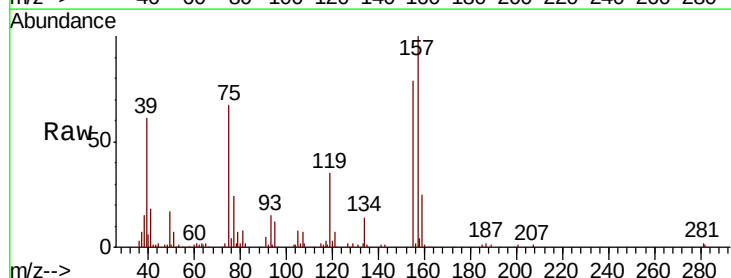
Tgt Ion: 75 Resp: 86499

Ion Ratio Lower Upper

75 100

155 117.8 58.2 174.6

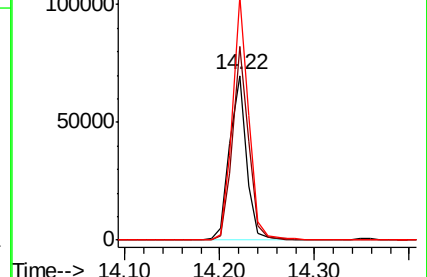
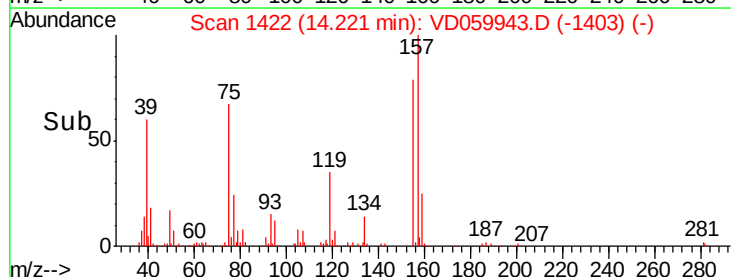
157 148.2 76.8 230.4

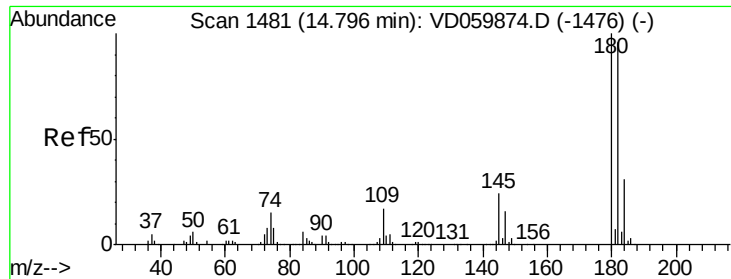


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





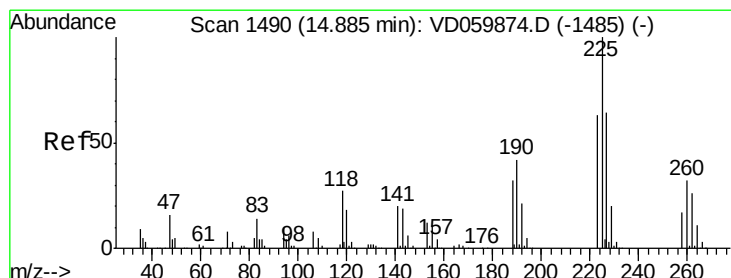
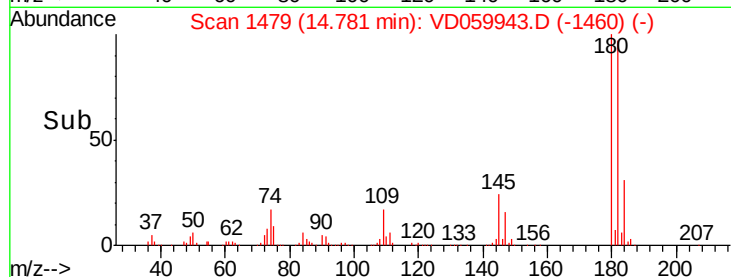
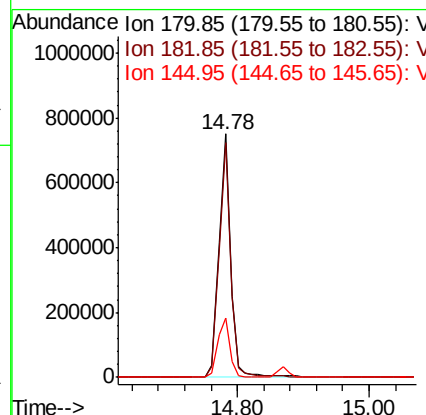
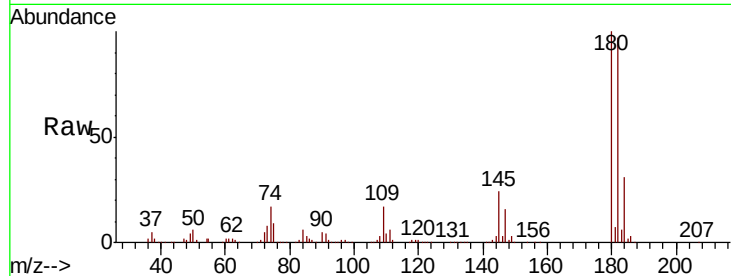
#93
 1,2,4-Trichlorobenzene
 Concen: 51.61 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	920823		
182	96.5	47.9	143.7	
145	24.5	12.2	36.4	

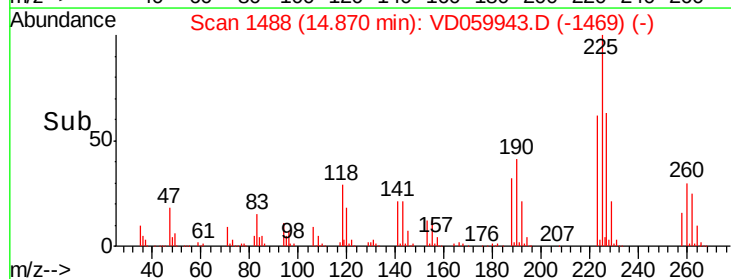
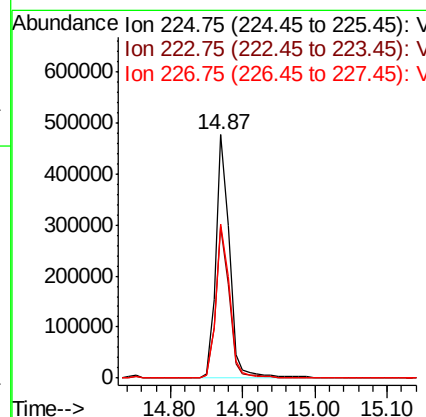
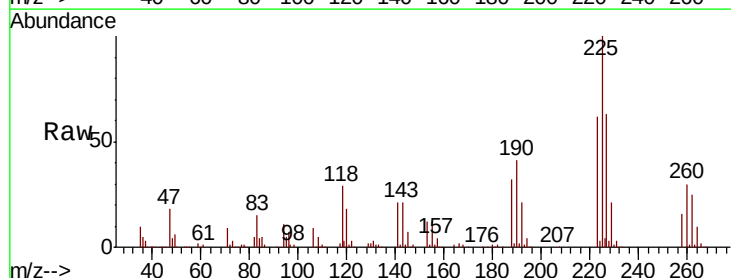
Manual Integrations
 APPROVED

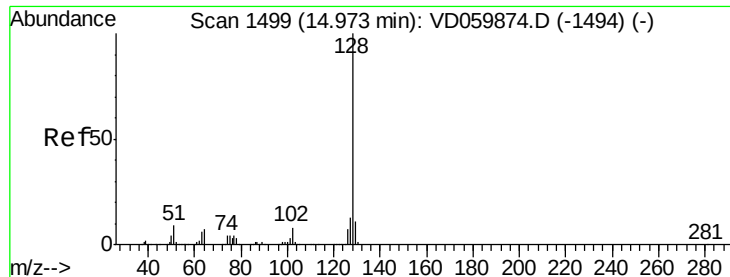
apatel
 9/5/2018 12:25:35 PM



#94
 Hexachlorobutadiene
 Concen: 53.02 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059943.D
 Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	620060		
223	62.2	31.6	94.8	
227	63.4	32.0	96.0	





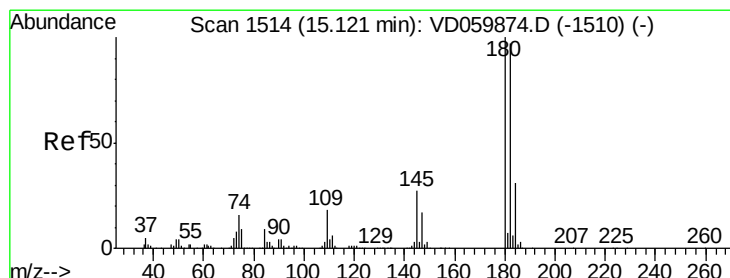
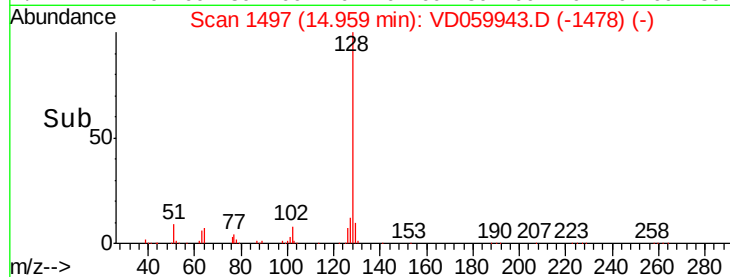
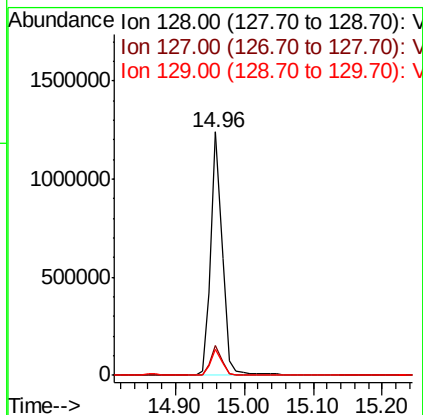
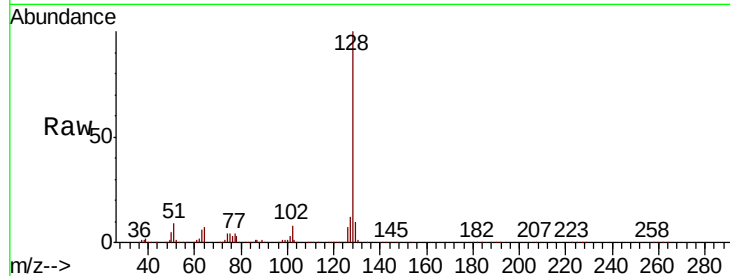
#95
Naphthalene
Concen: 53.15 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	10.5	8.6	13.0

Manual Integrations
APPROVED

apatel
9/5/2018 12:25:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.39 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059943.D
Acq: 4 Sep 2018 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.6	145.8
145	27.7	13.6	40.8

