

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059827.D
 Acq On : 20 Aug 2018 12:59
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 8/21/2018 10:23:27 AM

Quant Time: Aug 21 04:27:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	947413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1379025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1147488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	530064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	151693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
35) Dibromofluoromethane	5.50	113	204978	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
50) Toluene-d8	8.66	98	557579	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	11.90	95	222269	20.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	145399	17.87	ug/l	99
3) Chloromethane	1.46	50	124566	18.46	ug/l	97
4) Vinyl Chloride	1.54	62	100748	18.42	ug/l	100
5) Bromomethane	1.76	94	8229	11.16	ug/l	87
6) Chloroethane	1.84	64	18834	13.76	ug/l	95
7) Trichlorofluoromethane	2.05	101	101261	17.73	ug/l	98
8) Diethyl Ether	2.31	74	23743	18.89	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	67247	18.80	ug/l	95
10) Methyl Iodide	2.66	142	65356	17.67	ug/l	96
11) Tert butyl alcohol	3.23	59	26668	93.51	ug/l	94
12) 1,1-Dichloroethene	2.51	96	50701	18.12	ug/l	96
13) Acrolein	2.44	56	21481	79.92	ug/l	87
14) Allyl chloride	2.88	41	140632	18.96	ug/l	98
15) Acrylonitrile	3.32	53	122726	95.29	ug/l	98
16) Acetone	2.58	43	113659	88.30	ug/l	99
17) Carbon Disulfide	2.72	76	152245	16.26	ug/l	99
18) Methyl Acetate	2.89	43	51379	18.29	ug/l	94
19) Methyl tert-butyl Ether	3.37	73	325181	19.82	ug/l	96
20) Methylene Chloride	3.03	84	70469	16.15	ug/l	93
21) trans-1,2-Dichloroethene	3.35	96	138918	17.76	ug/l	97
22) Diisopropyl ether	4.02	45	760181	19.91	ug/l	99
23) Vinyl Acetate	3.97	43	2115225	102.60	ug/l	98
24) 1,1-Dichloroethane	3.92	63	321679	19.28	ug/l	100
25) 2-Butanone	4.78	43	350521	90.69	ug/l	100
26) 2,2-Dichloropropane	4.74	77	252371	19.06	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	199959	19.86	ug/l	99
28) Bromochloromethane	5.10	49	170260	19.90	ug/l	100
29) Tetrahydrofuran	5.14	42	188391	97.18	ug/l	99
30) Chloroform	5.28	83	318260	19.36	ug/l	99
31) Cyclohexane	5.54	56	267079	17.51	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	269093	19.39	ug/l	99
36) 1,1-Dichloropropene	5.70	75	222219	18.73	ug/l	98
37) Ethyl Acetate	4.88	43	165093	19.12	ug/l	98
38) Carbon Tetrachloride	5.68	117	221222	18.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	222416	17.64	ug/l	98
40) Benzene	5.96	78	593579	19.38	ug/l	100
41) Methacrylonitrile	5.08	41	94249	21.20	ug/l	98
42) 1,2-Dichloroethane	6.08	62	191119	19.43	ug/l	99
43) Isopropyl Acetate	7.57	43	234130	19.77	ug/l #	97
44) Trichloroethene	6.94	130	169346	18.76	ug/l	98
45) 1,2-Dichloropropane	7.30	63	173967	19.60	ug/l	98
46) Dibromomethane	7.41	93	105879	19.19	ug/l	99
47) Bromodichloromethane	7.70	83	240590	19.65	ug/l	98
48) Methyl methacrylate	7.46	41	123363	18.62	ug/l	97
49) 1,4-Dioxane	7.45	88	21044	381.37	ug/l #	82
51) 4-Methyl-2-Pentanone	8.55	43	757166	92.95	ug/l	98
52) Toluene	8.76	92	378664	19.49	ug/l	97
53) t-1,3-Dichloropropene	9.14	75	216044	19.38	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	259014	19.35	ug/l	97
55) 1,1,2-Trichloroethane	9.41	97	137039	19.81	ug/l	99
56) Ethyl methacrylate	9.27	69	157906	19.87	ug/l	96
57) 1,3-Dichloropropane	9.63	76	199630	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.15	63	446415	109.35	ug/l	98
59) 2-Hexanone	9.74	43	549731	91.63	ug/l	99
60) Dibromochloromethane	9.92	129	175039	19.69	ug/l	100
61) 1,2-Dibromoethane	10.05	107	143242	19.47	ug/l	96
64) Tetrachloroethene	9.47	164	155021	18.40	ug/l	98
65) Chlorobenzene	10.69	112	426633	19.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	155052	20.11	ug/l	97
67) Ethyl Benzene	10.83	91	738401	20.17	ug/l	97
68) m/p-Xylenes	10.98	106	545093	40.64	ug/l	98
69) o-Xylene	11.38	106	266480	20.34	ug/l	94
70) Styrene	11.40	104	454378	20.01	ug/l	99
71) Bromoform	11.57	173	131824	19.56	ug/l	99
73) Isopropylbenzene	11.74	105	729884	20.19	ug/l	98
74) N-amyl acetate	11.61	43	311523	19.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.05	83	157466	18.94	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	170258	19.66	ug/l	99
77) Bromobenzene	12.02	156	192166	19.14	ug/l	86
78) n-propylbenzene	12.13	91	909217	20.02	ug/l	97
79) 2-Chlorotoluene	12.18	91	515619	19.88	ug/l	93
80) 1,3,5-Trimethylbenzene	12.29	105	579452	21.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.81	75	51183	19.10	ug/l	99
82) 4-Chlorotoluene	12.30	91	573552	21.27	ug/l	91
83) tert-Butylbenzene	12.55	119	574890m	18.04	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	604075	20.13	ug/l	97
85) sec-Butylbenzene	12.74	105	777246	20.33	ug/l	97
86) p-Isopropyltoluene	12.86	119	613309	20.43	ug/l	96
87) 1,3-Dichlorobenzene	12.81	146	346019	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	345065	20.26	ug/l	99
89) n-Butylbenzene	13.17	91	640631	21.28	ug/l	98
90) Hexachloroethane	13.37	117	168465	19.87	ug/l	83
91) 1,2-Dichlorobenzene	13.17	146	299473	21.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	22550	18.31	ug/l	77

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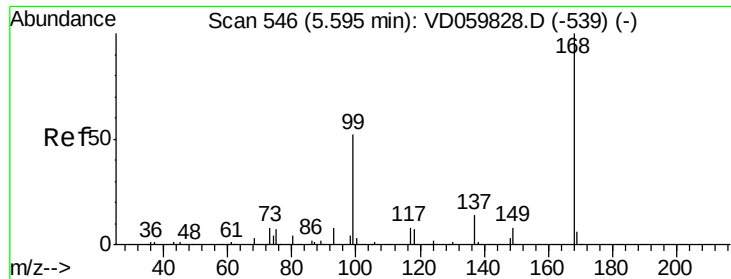
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	243905	19.83	ug/l	97
94) Hexachlorobutadiene	14.41	225	161457	19.76	ug/l	98
95) Naphthalene	14.49	128	371324	18.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	208366	19.52	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 947413

Ion Ratio Lower Upper

168 100

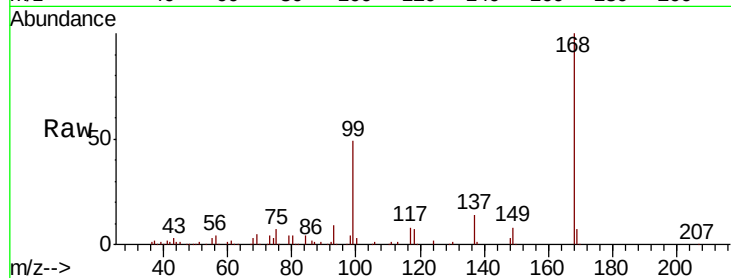
99 48.6 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.60

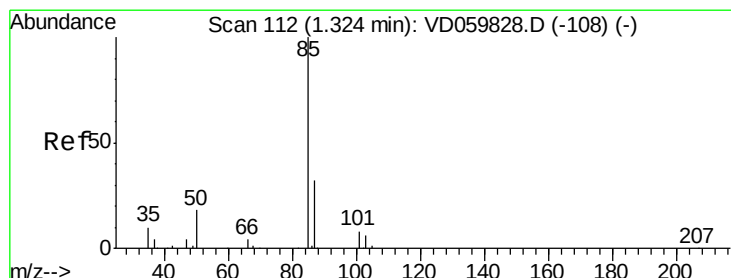
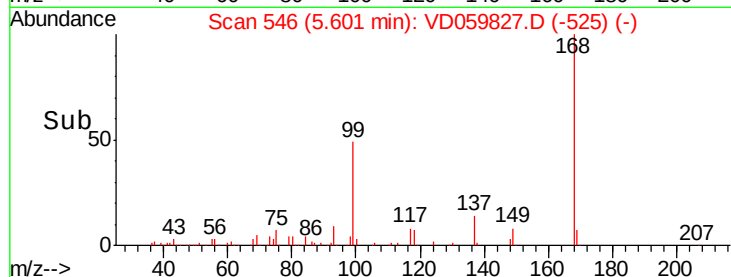
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.87 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059827.D

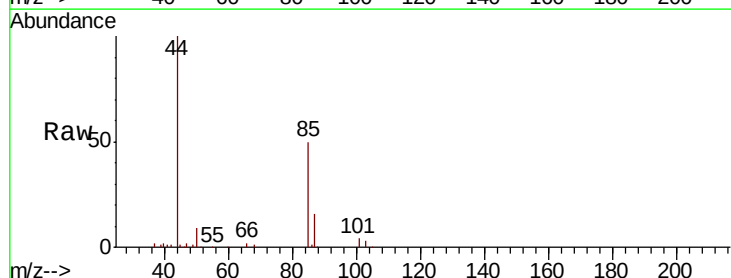
Acq: 20 Aug 2018 12:59

Tgt Ion: 85 Resp: 145399

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.32

80000

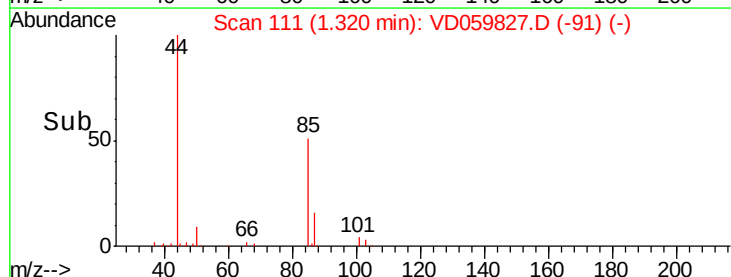
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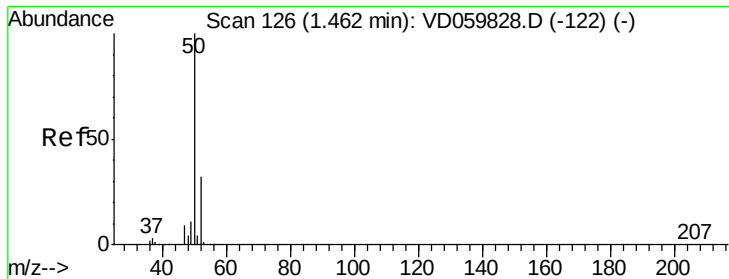
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.46 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 124566

Ion Ratio Lower Upper

50 100

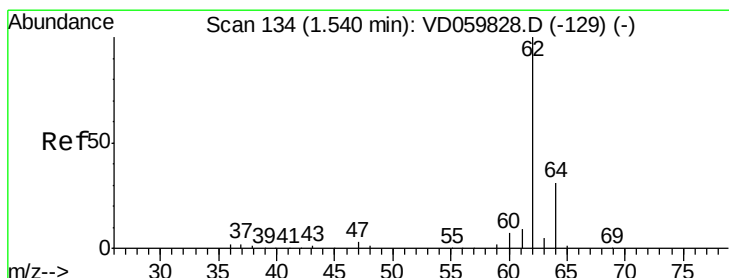
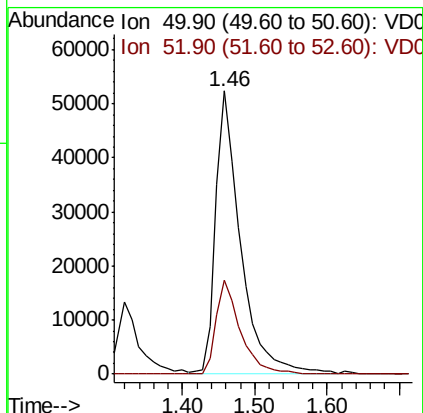
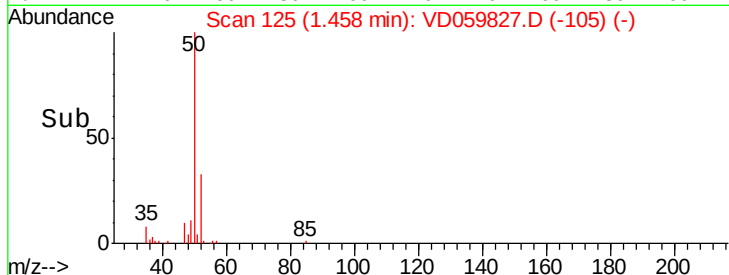
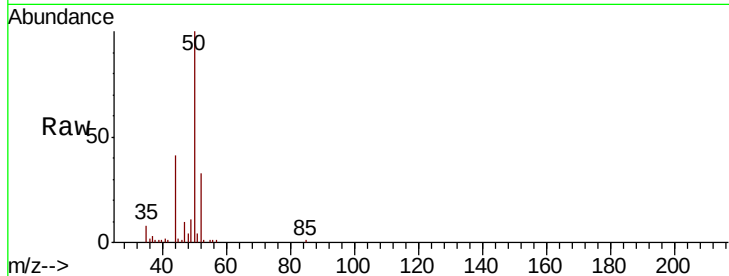
52 33.2 25.4 38.2

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#4

Vinyl Chloride

Concen: 18.42 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059827.D

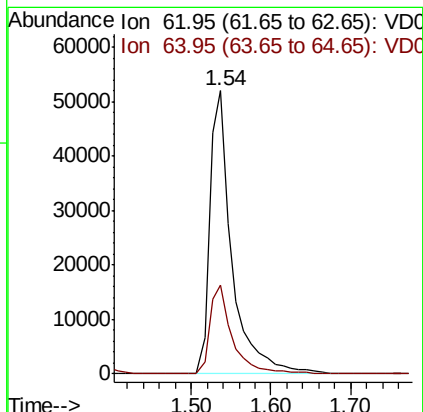
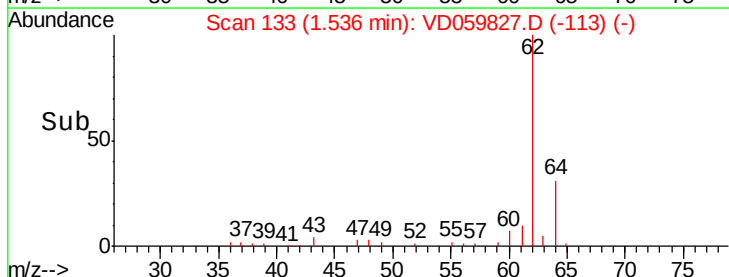
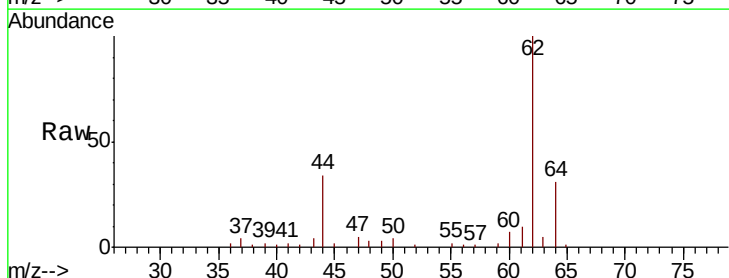
Acq: 20 Aug 2018 12:59

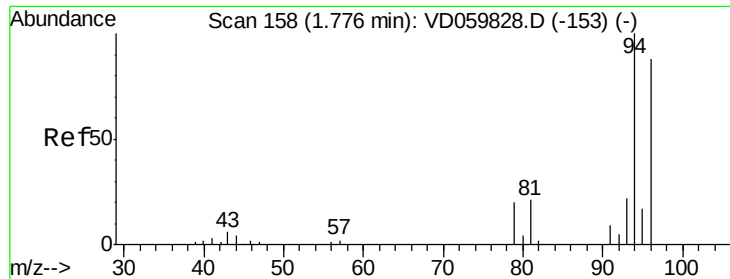
Tgt Ion: 62 Resp: 100748

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 11.16 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 8229

Ion Ratio Lower Upper

94 100

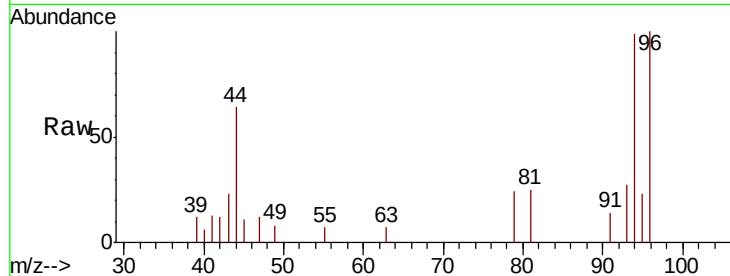
96 100.6 70.8 106.2

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

6000

5000

4000

3000

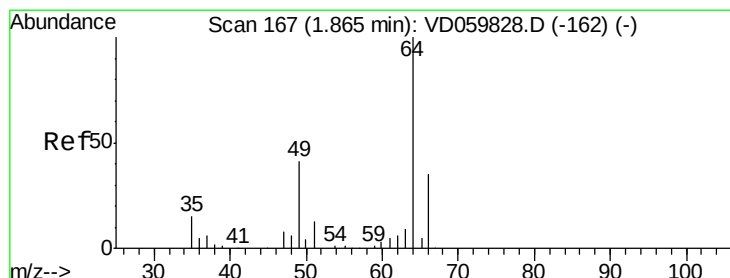
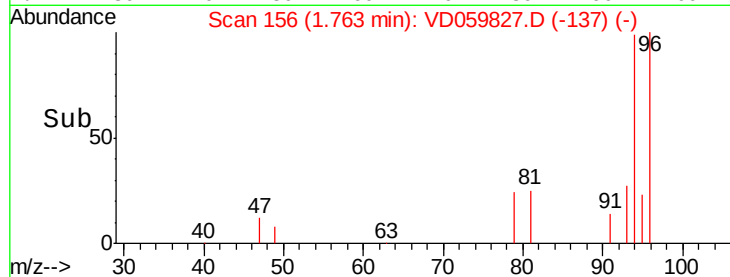
2000

1000

0

1.70 1.75 1.80 1.85

Time-->



#6

Chloroethane

Concen: 13.76 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059827.D

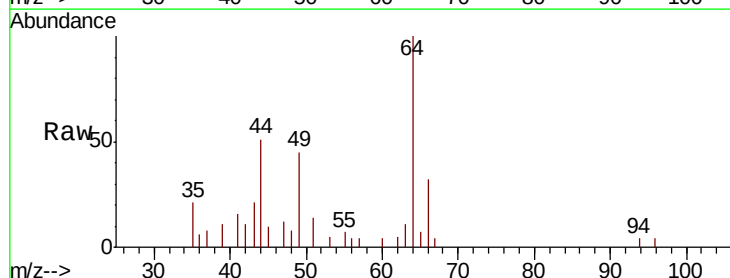
Acq: 20 Aug 2018 12:59

Tgt Ion: 64 Resp: 18834

Ion Ratio Lower Upper

64 100

66 31.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

8000

6000

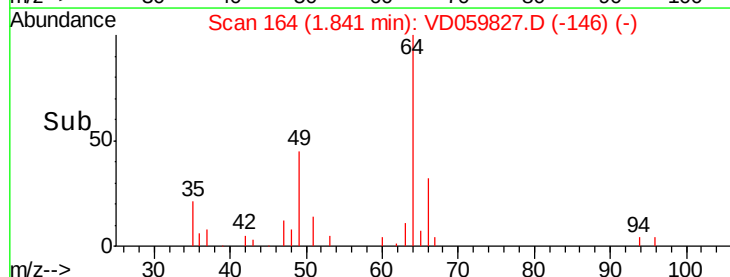
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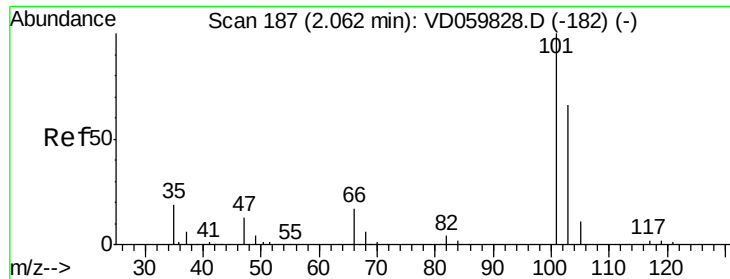
2000

0

1.80 1.90 2.00

Time-->





#7

Trichlorofluoromethane

Concen: 17.73 ug/l

RT: 2.05 min Scan# 185

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 101261

Ion Ratio Lower Upper

101 100

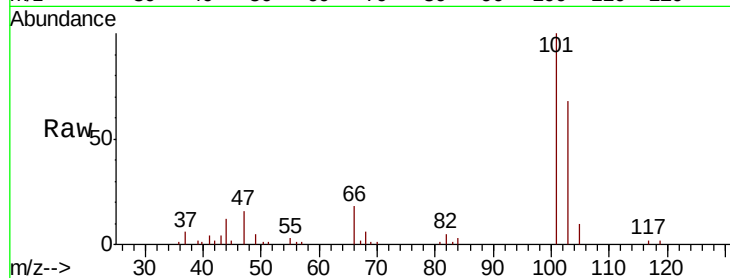
103 67.7 53.0 79.4

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.05

40000

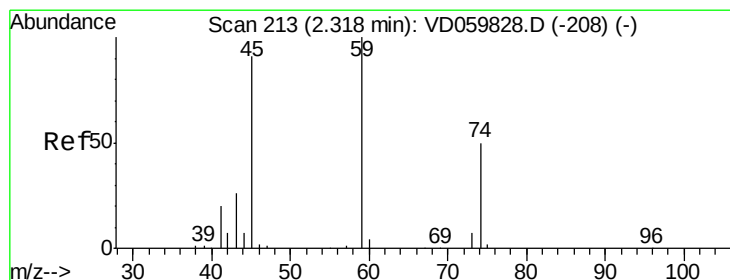
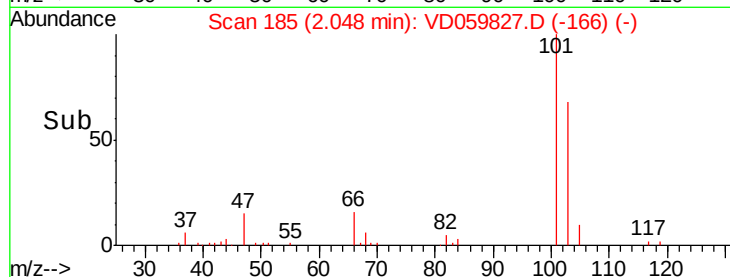
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 18.89 ug/l

RT: 2.31 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD059827.D

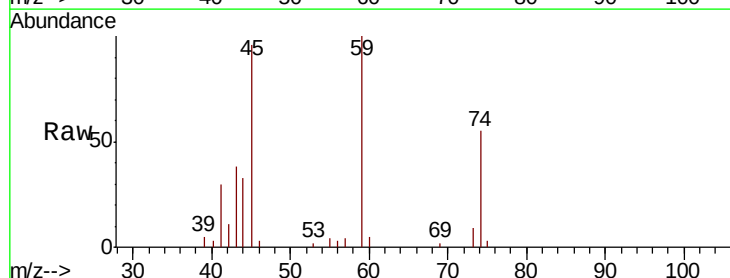
Acq: 20 Aug 2018 12:59

Tgt Ion: 74 Resp: 23743

Ion Ratio Lower Upper

74 100

45 172.5 90.6 271.9



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

25000

20000

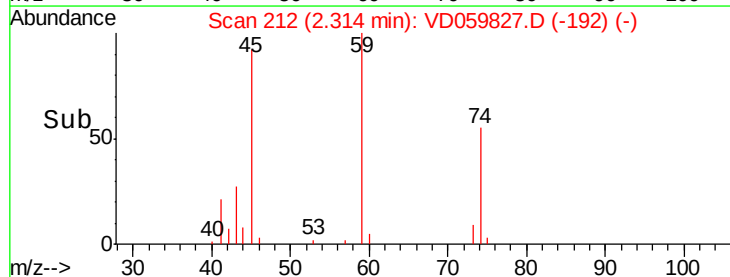
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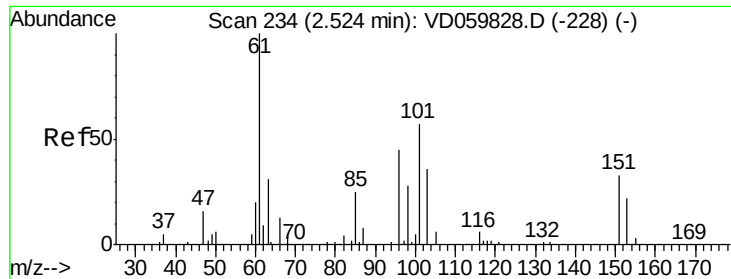
10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.80 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

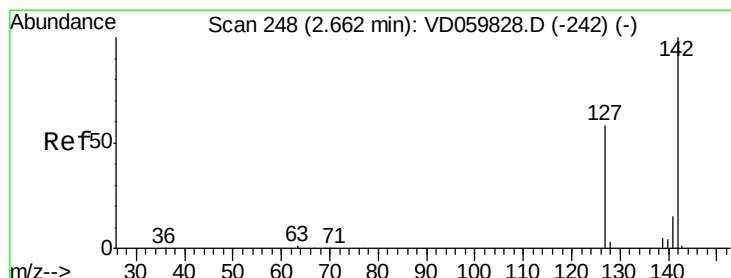
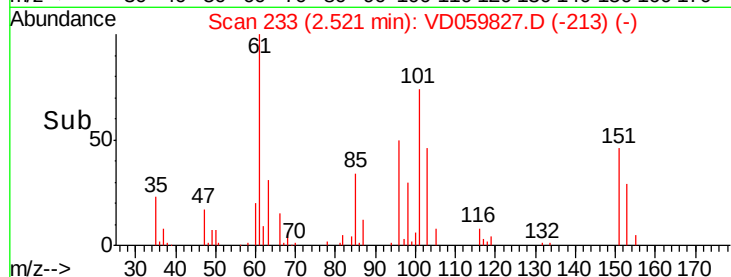
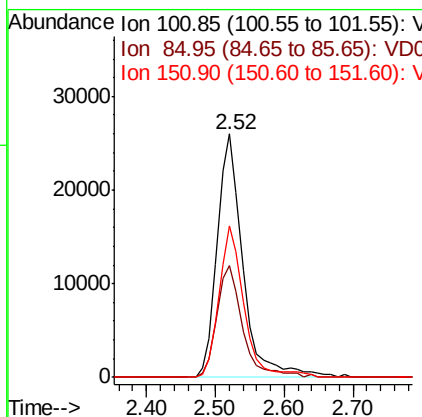
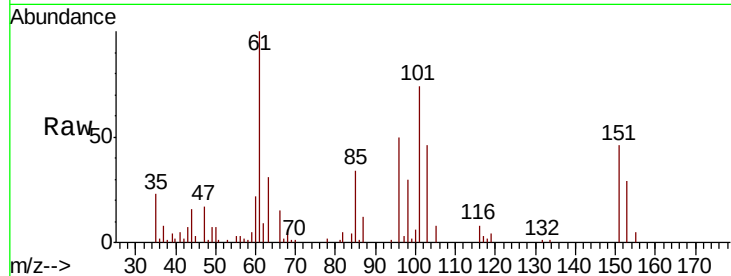
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	67247
Ion Ratio	Lower	Upper	
101	100		
85	46.1	35.7	53.5
151	62.2	45.8	68.6

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#10

Methyl Iodide

Concen: 17.67 ug/l

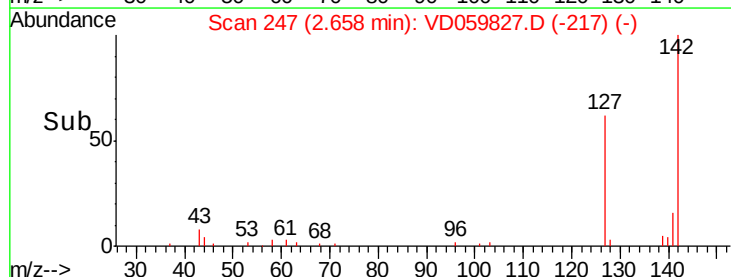
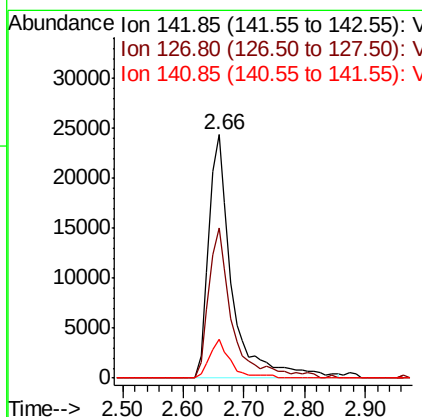
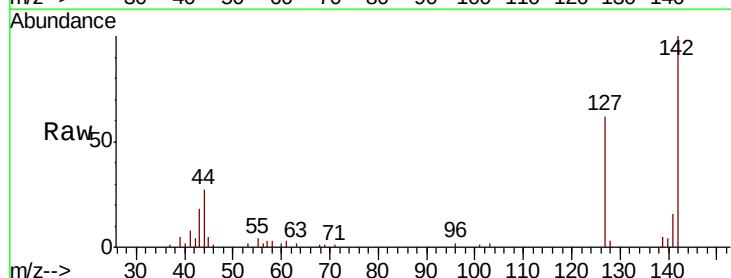
RT: 2.66 min Scan# 247

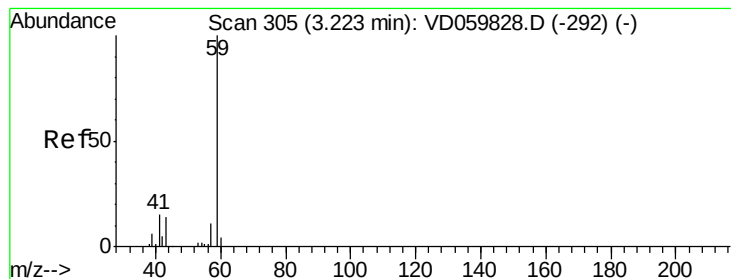
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	142	Resp:	65356
Ion Ratio	Lower	Upper	
142	100		
127	61.6	46.6	69.8
141	16.0	11.7	17.5





#11

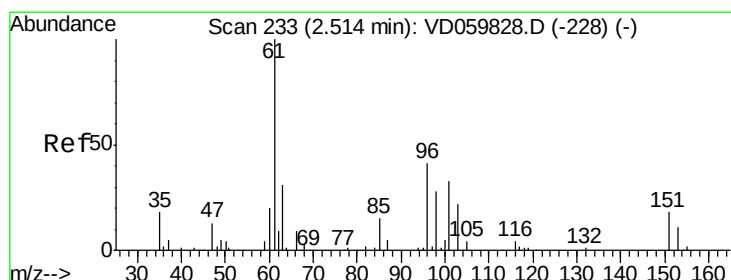
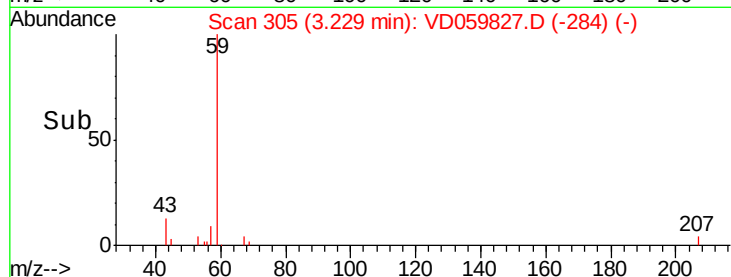
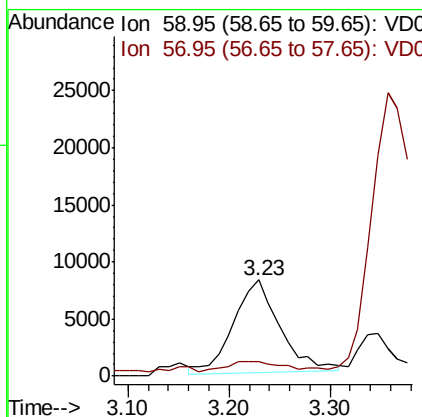
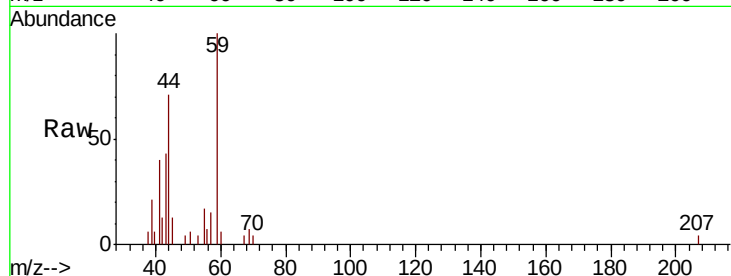
Tert butyl alcohol
 Concen: 93.51 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 26668
 Ion Ratio Lower Upper
 59 100
 57 15.1 10.3 15.5

Manual Integrations
 APPROVED

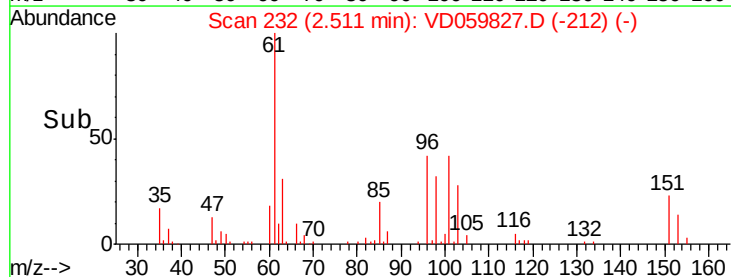
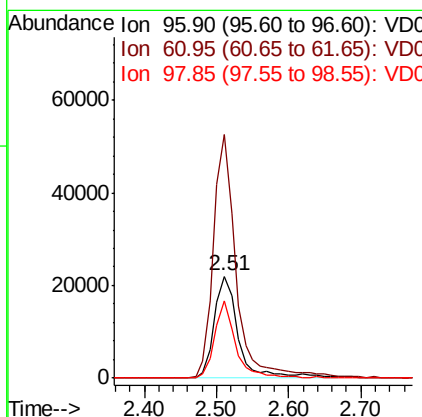
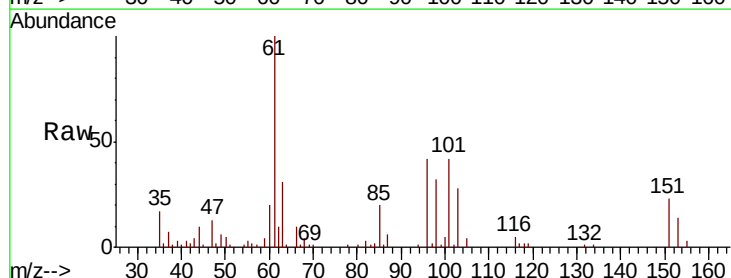
apatel
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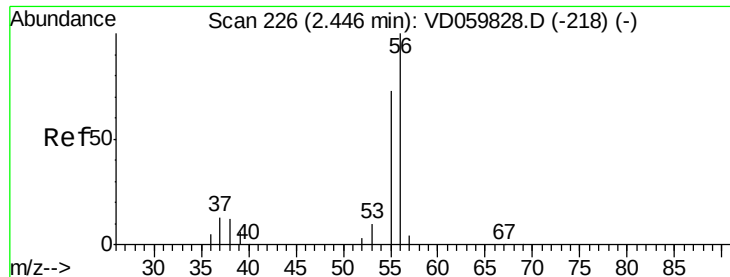


#12

1,1-Dichloroethene
 Concen: 18.12 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 96 Resp: 50701
 Ion Ratio Lower Upper
 96 100
 61 239.4 194.0 291.0
 98 75.5 53.4 80.0





#13

Acrolein

Concen: 79.92 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 21481

Ion Ratio Lower Upper

56 100

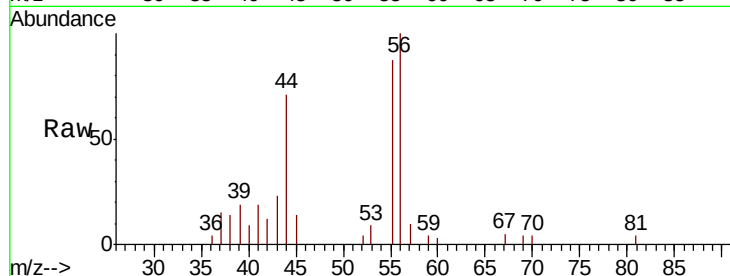
55 86.8 60.4 90.6

Manual Integrations

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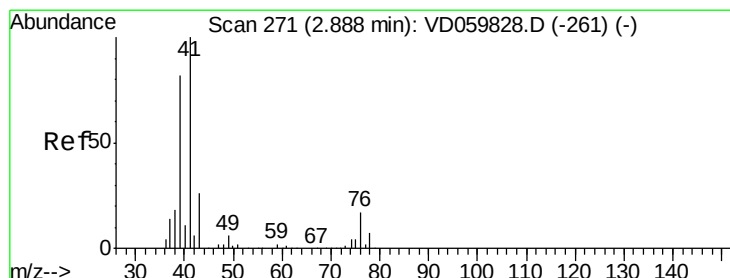
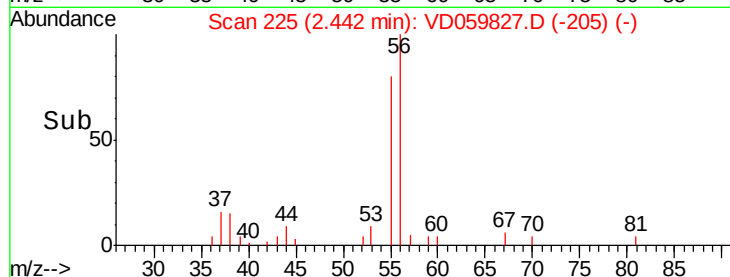
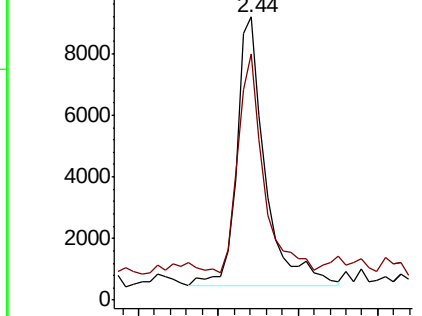
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.96 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

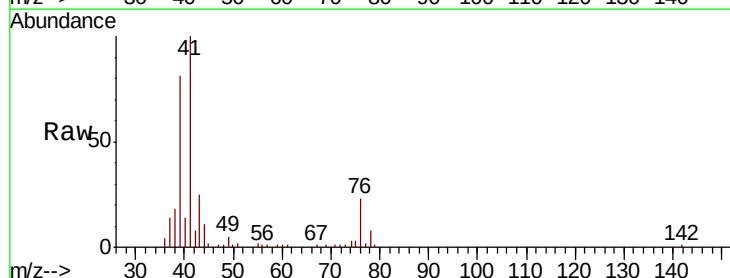
Tgt Ion: 41 Resp: 140632

Ion Ratio Lower Upper

41 100

39 81.0 65.9 98.9

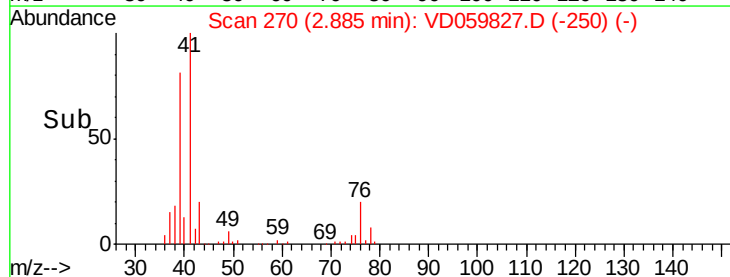
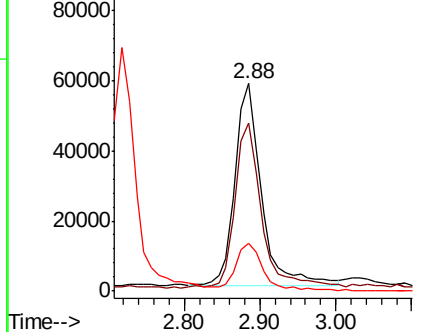
76 22.9 19.9 29.9

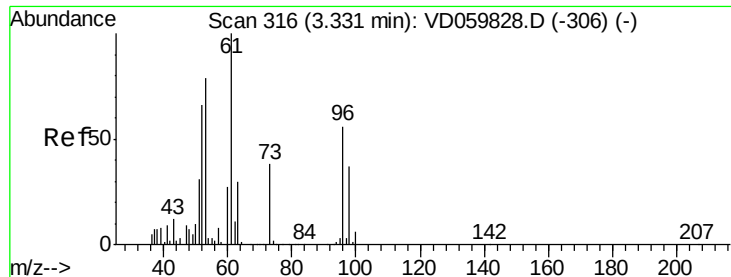


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.29 ug/l

RT: 3.32 min Scan# 314

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

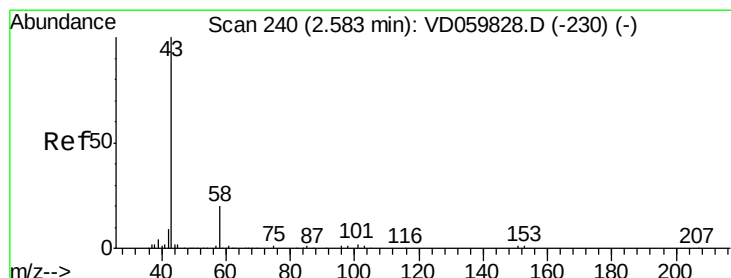
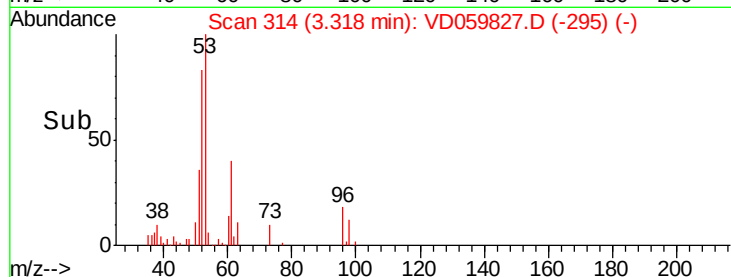
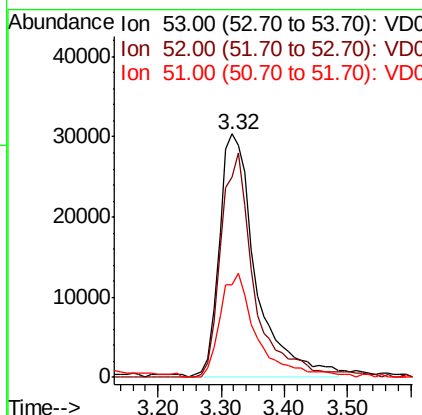
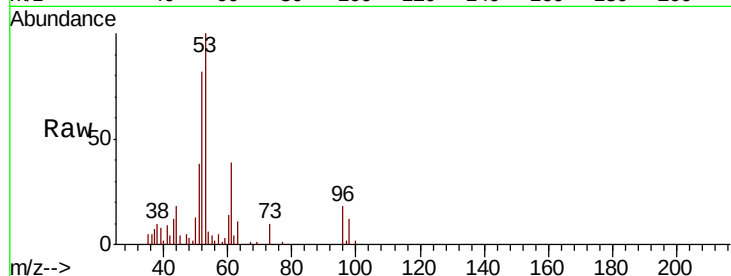
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	122726
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	38.2	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 88.30 ug/l

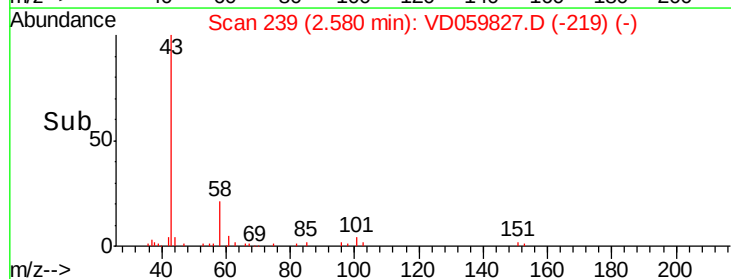
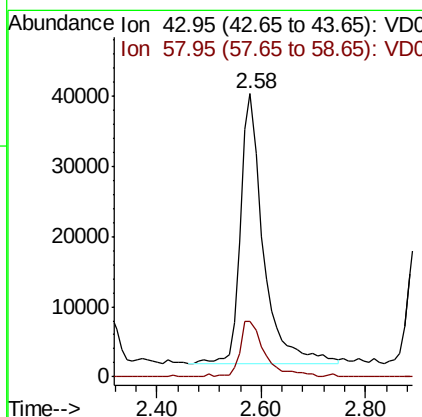
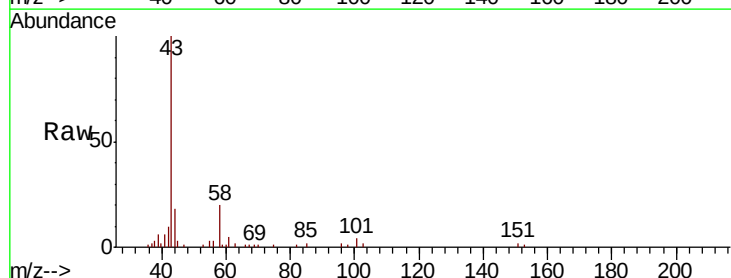
RT: 2.58 min Scan# 239

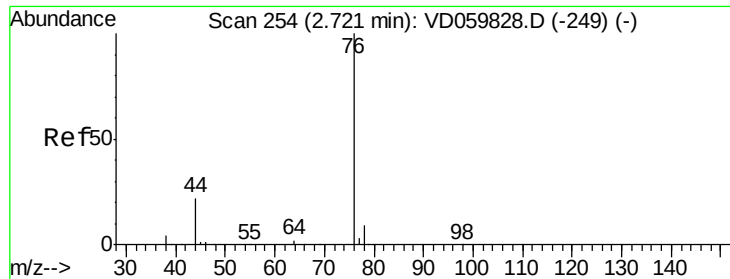
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	43	Resp:	113659
Ion	Ratio	Lower	Upper
43	100		
58	19.7	16.2	24.2





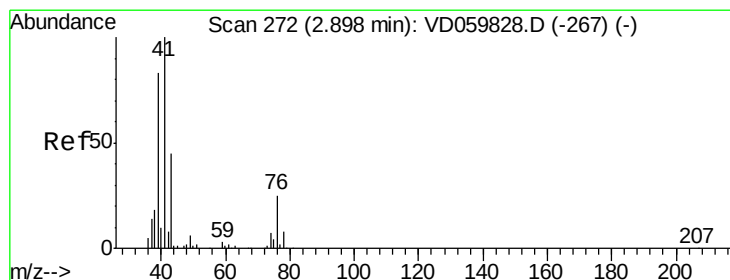
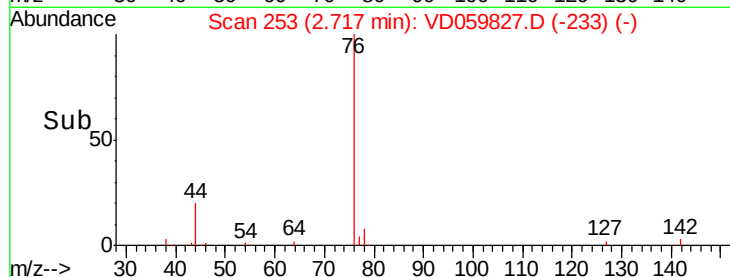
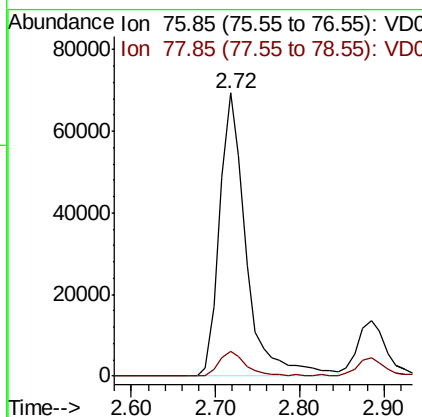
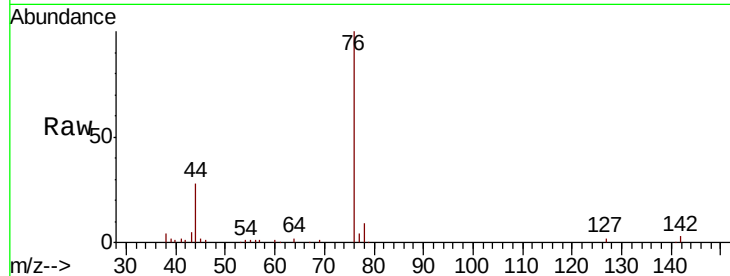
#17
Carbon Disulfide
Concen: 16.26 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

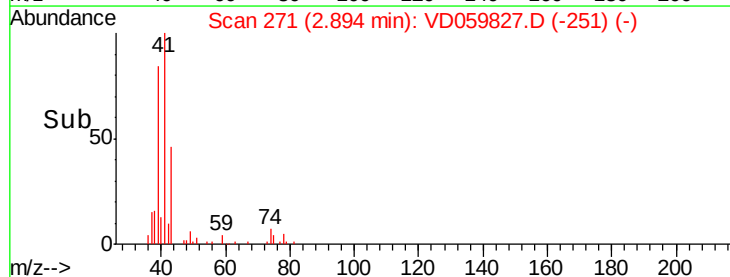
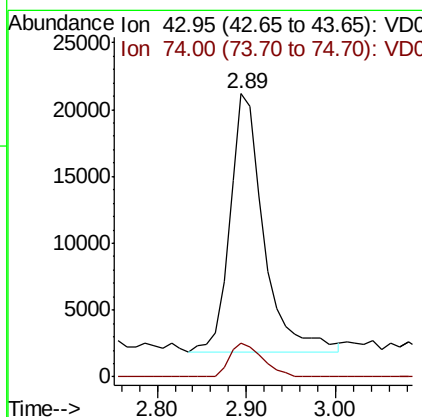
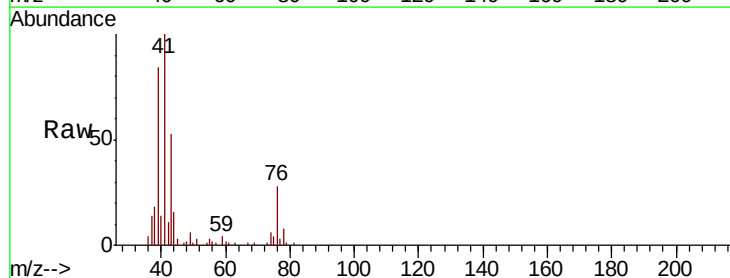
Manual Integrations
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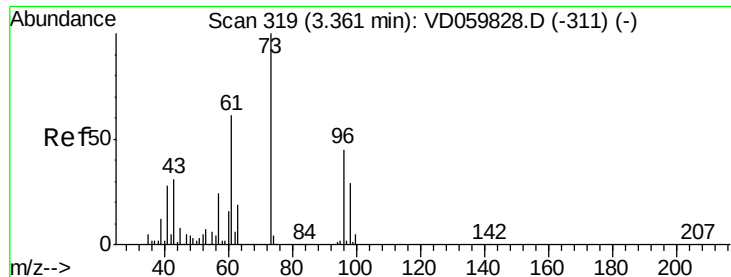
apatel
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#18
Methyl Acetate
Concen: 18.29 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.9	11.4	17.0





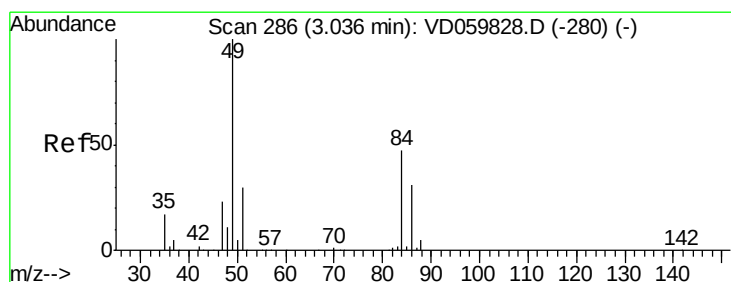
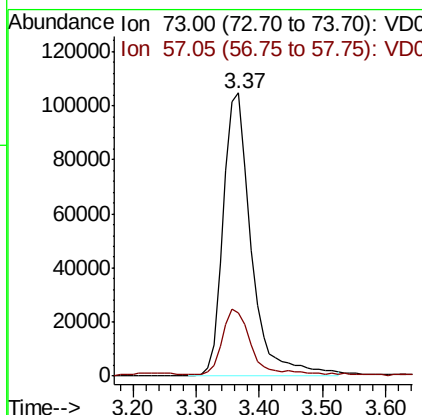
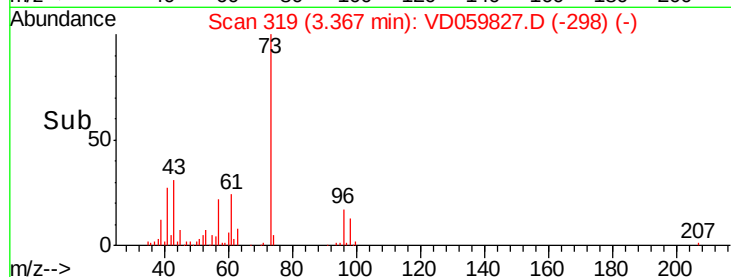
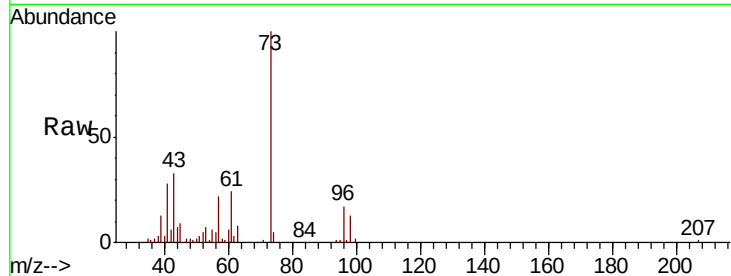
#19
Methyl tert-butyl Ether
Concen: 19.82 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.4	29.0

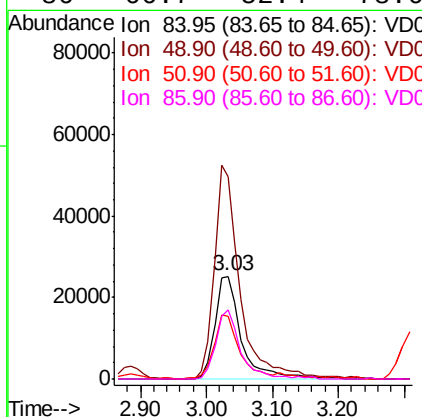
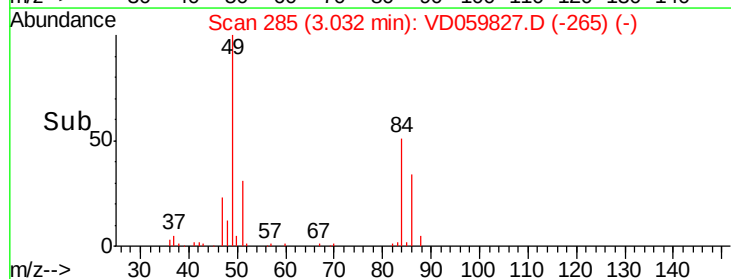
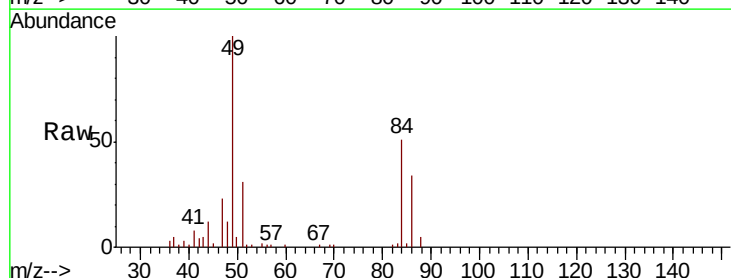
Manual Integrations
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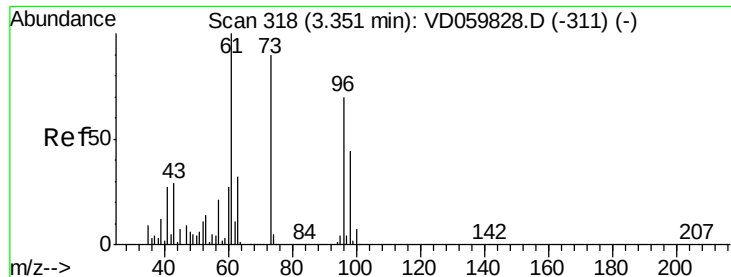
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#20
Methylene Chloride
Concen: 16.15 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	196.8	170.4	255.6
51	61.4	51.4	77.0
86	66.7	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 17.76 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

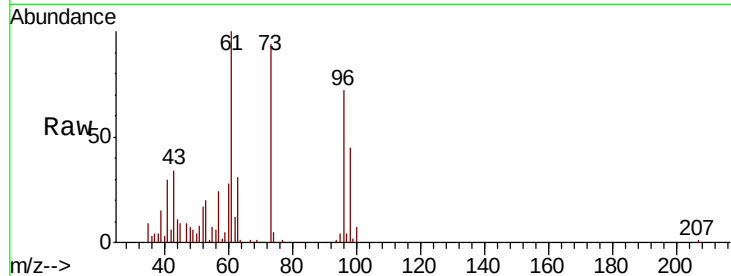
ClientSampled :

VSTDIC020

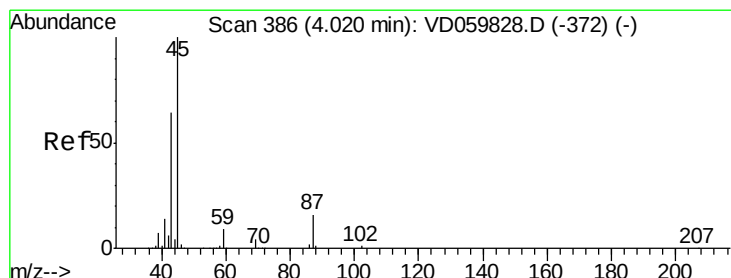
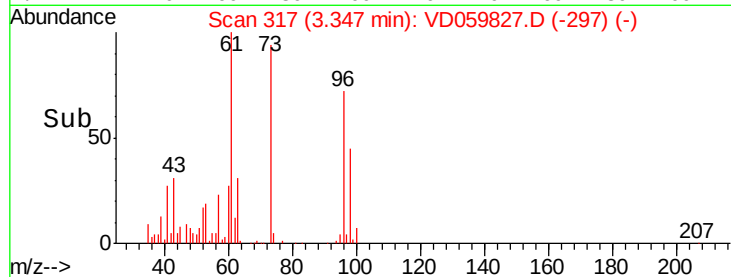
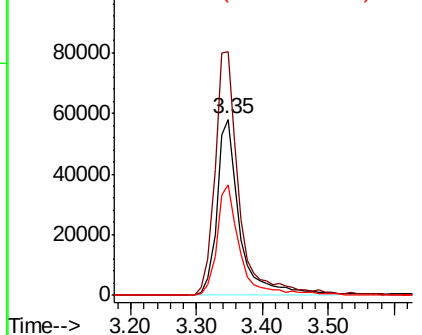
Tot Ion:	96	Resp:	138918
Ion	Ratio	Lower	Upper
96	100		
61	138.1	114.1	171.1
98	62.7	50.1	75.1

Manual Integrations
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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



#22

Diisopropyl ether

Concen: 19.91 ug/l

RT: 4.02 min Scan# 385

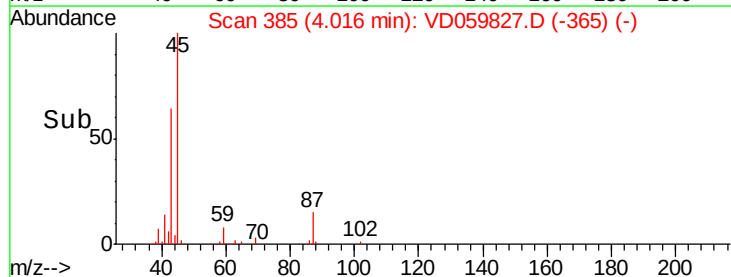
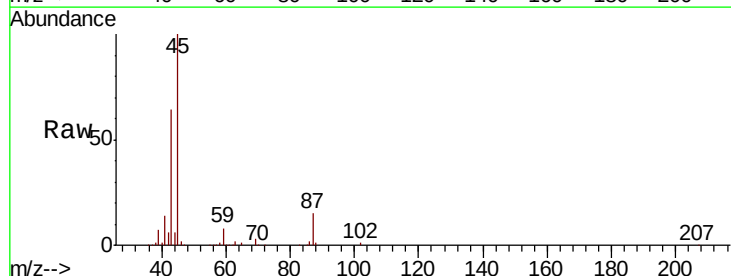
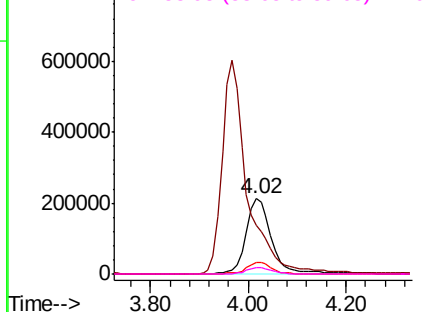
Delta R.T. -0.00 min

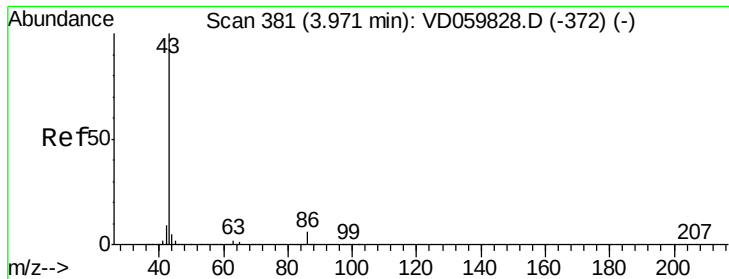
Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	45	Resp:	760181
Ion	Ratio	Lower	Upper
45	100		
43	64.2	51.1	76.7
87	14.6	12.5	18.7
59	8.1	7.1	10.7

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.60 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 2115225

Ion Ratio Lower Upper

43 100

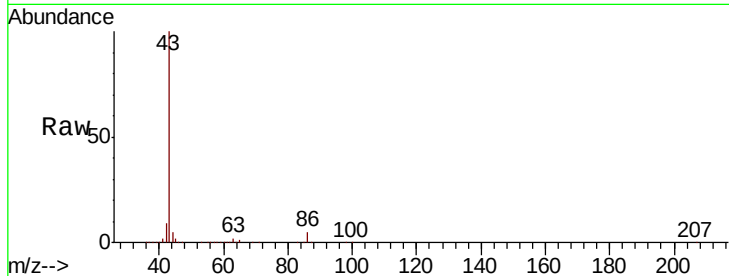
86 5.2 4.6 7.0

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

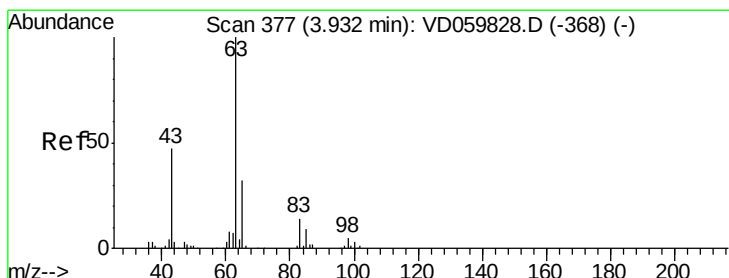
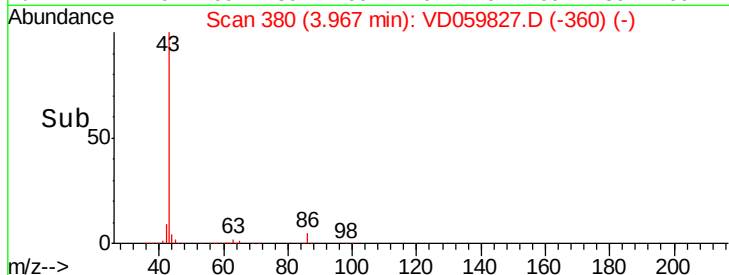
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.28 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

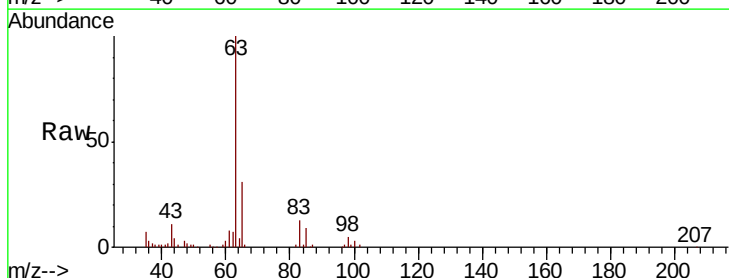
Tgt Ion: 63 Resp: 321679

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

100 3.0 1.7 5.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

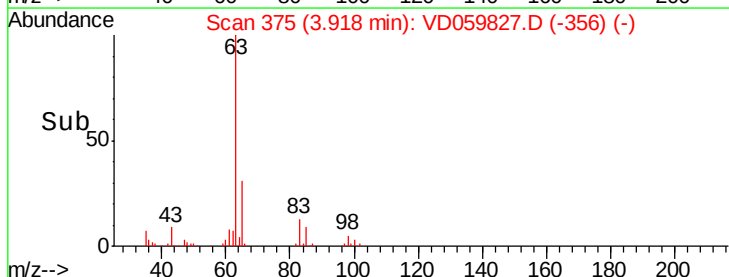
Ion 99.95 (99.65 to 100.65): VDC

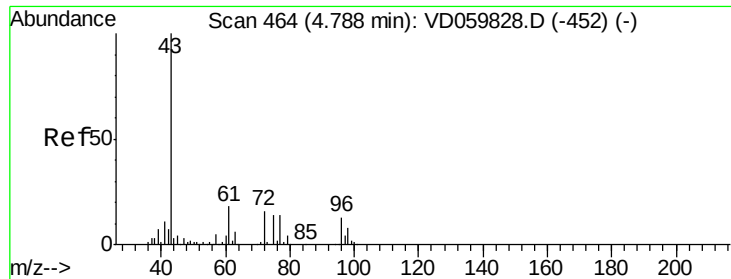
100000

50000

0

Time-->





#25

2-Butanone

Concen: 90.69 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 350521

Ion Ratio Lower Upper

43 100

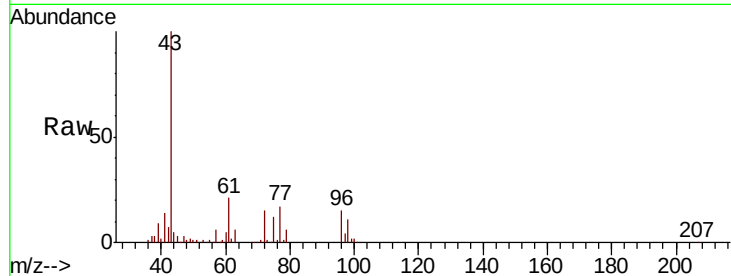
72 15.3 12.4 18.6

Manual Integrations

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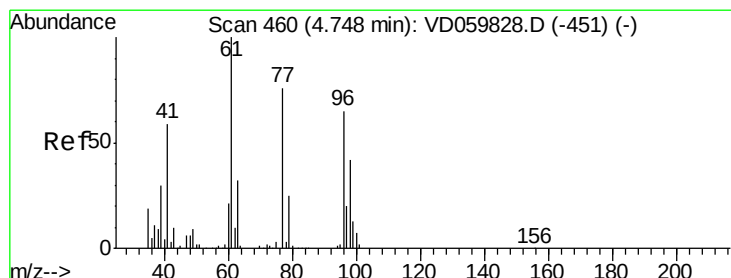
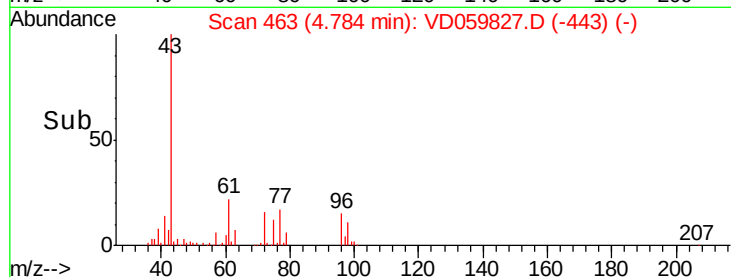
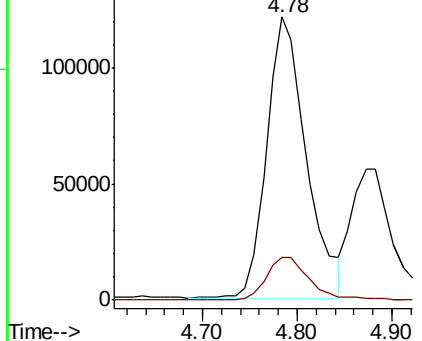
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.06 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059827.D

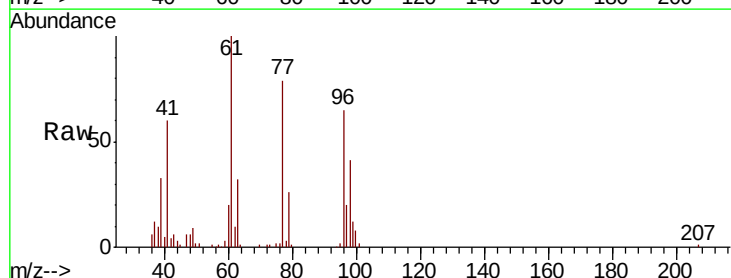
Acq: 20 Aug 2018 12:59

Tgt Ion: 77 Resp: 252371

Ion Ratio Lower Upper

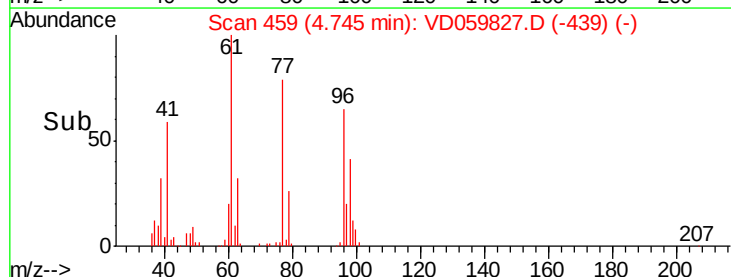
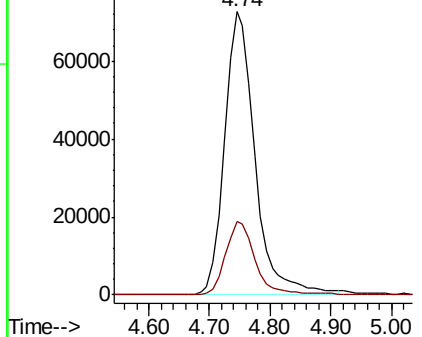
77 100

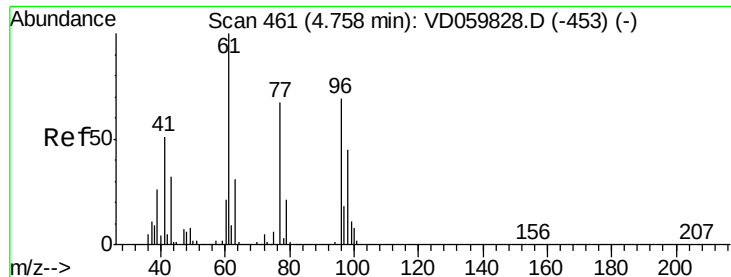
97 26.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

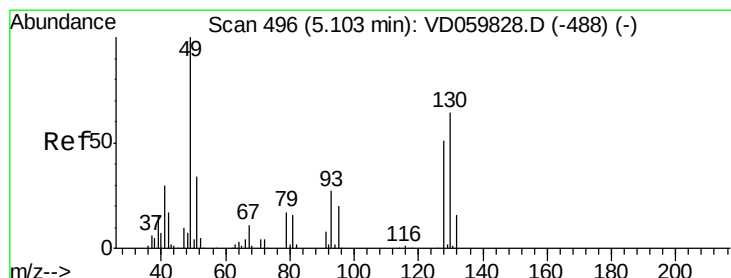
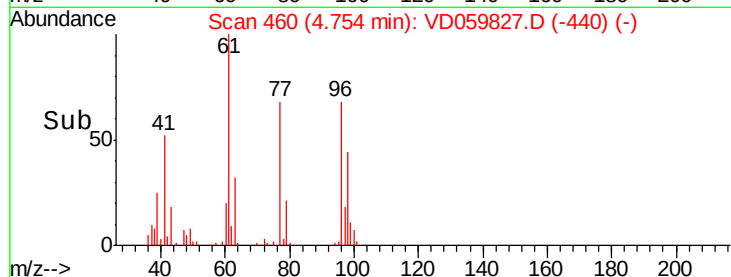
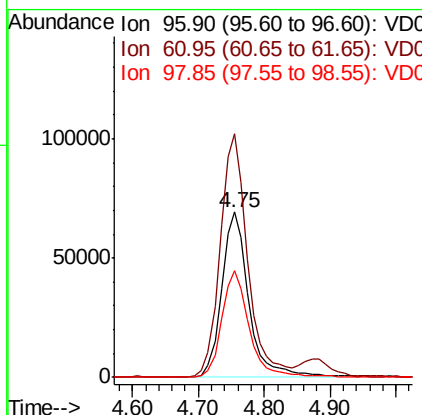
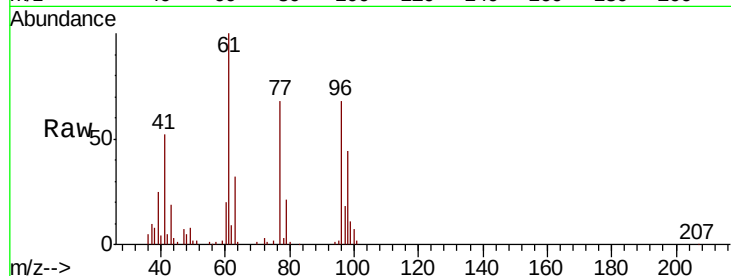
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	199959
Ion Ratio	Lower	Upper	
96	100		
61	147.3	0.0	291.8
98	64.5	0.0	131.6

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#28

Bromochloromethane

Concen: 19.90 ug/l

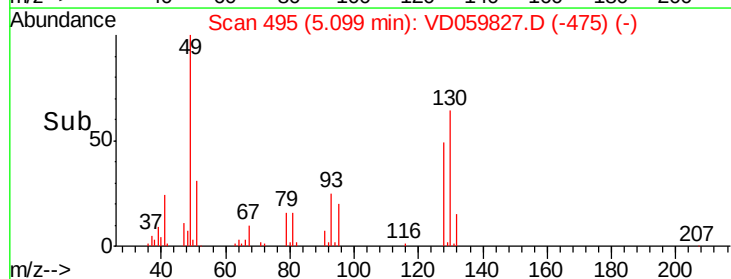
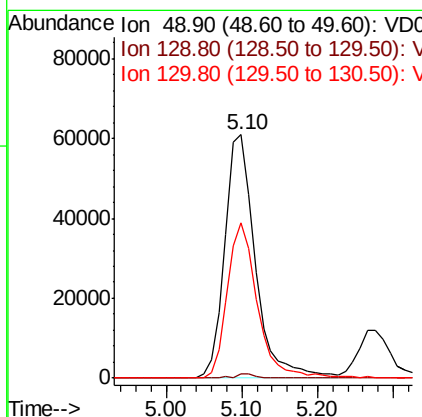
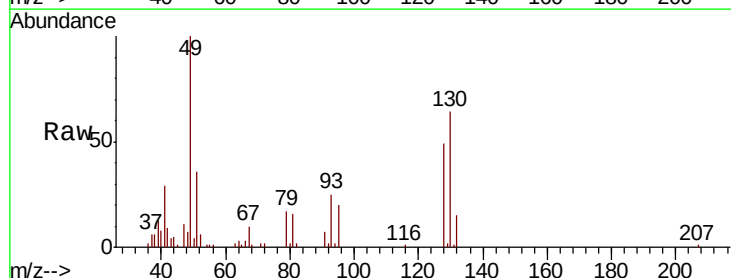
RT: 5.10 min Scan# 495

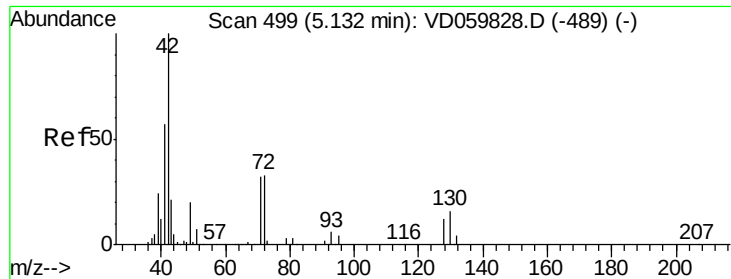
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	49	Resp:	170260
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	63.8	51.0	76.6





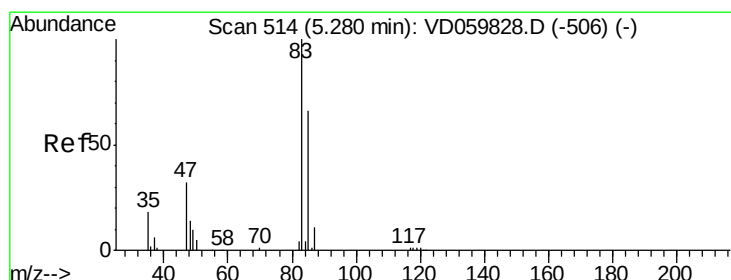
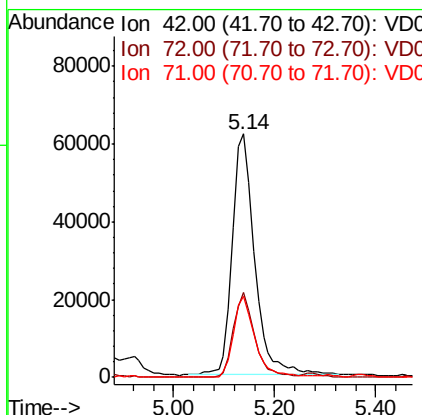
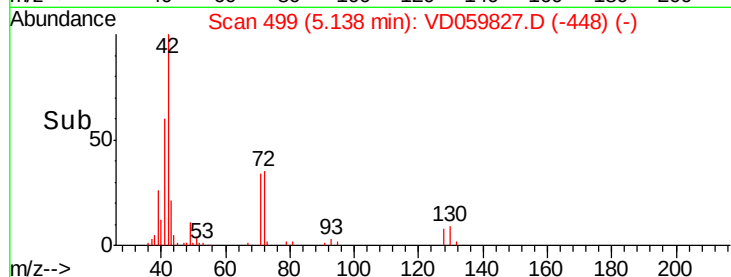
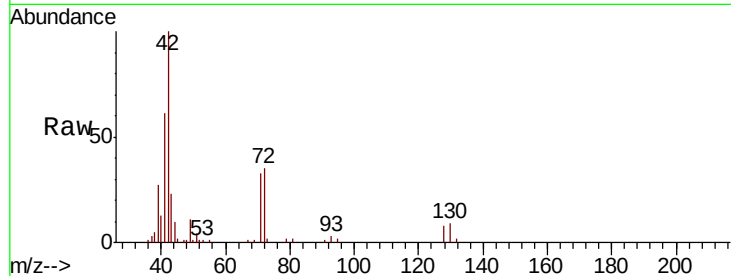
#29
Tetrahydrofuran
Concen: 97.18 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	25.8	38.6
71	32.3	25.7	38.5

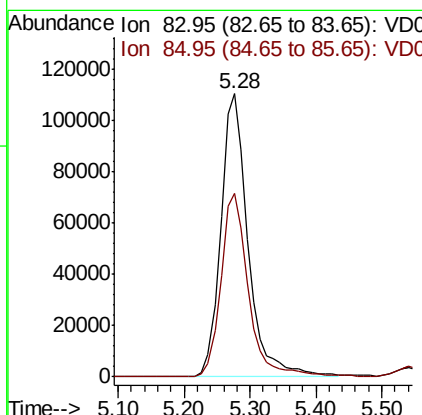
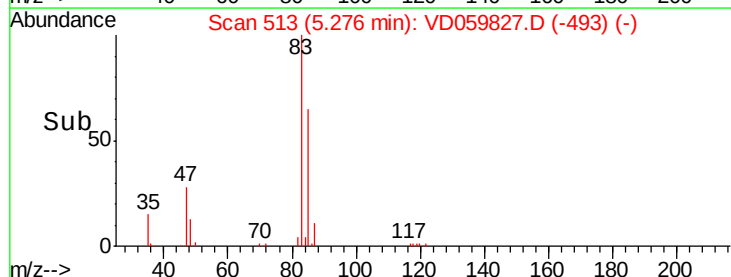
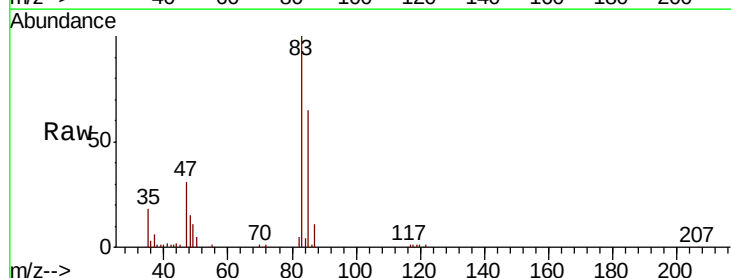
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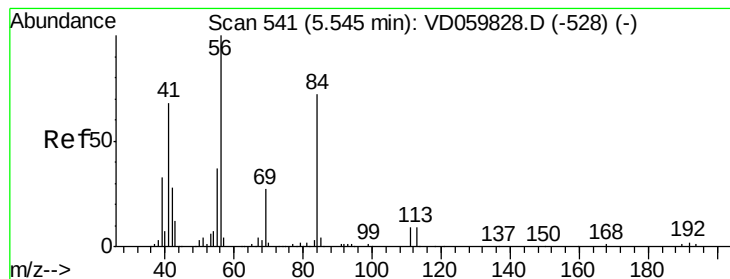
apatel
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#30
Chloroform
Concen: 19.36 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.9	79.3





#31

Cyclohexane

Concen: 17.51 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

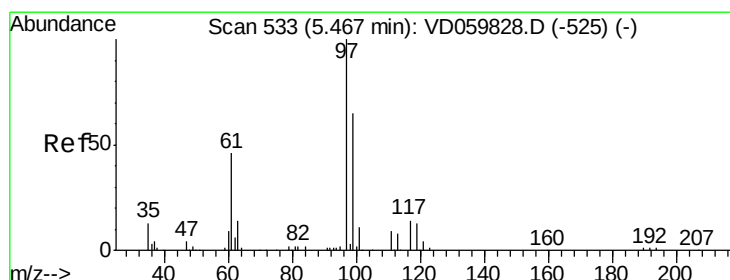
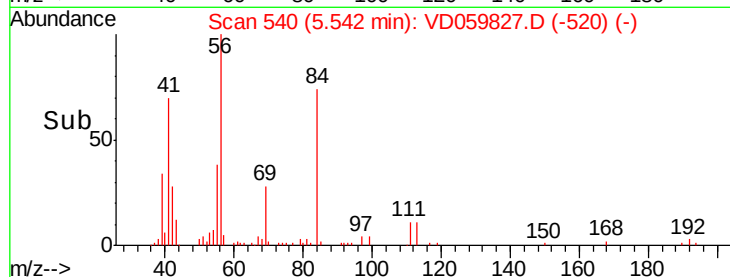
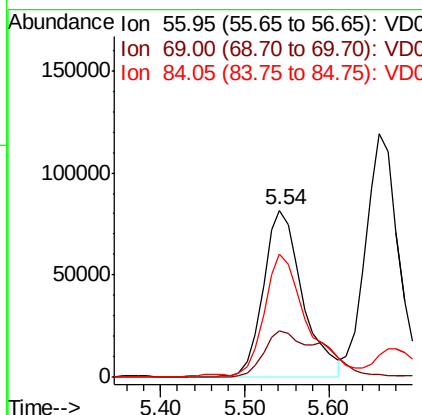
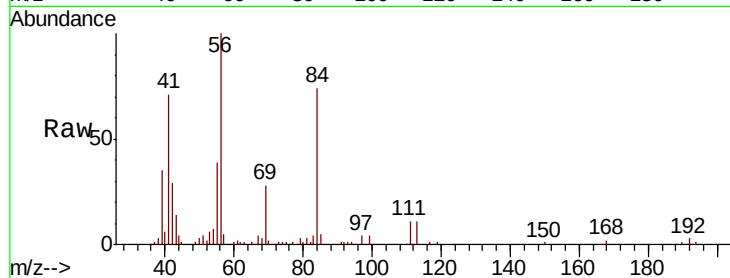
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	267079
Ion	Ratio	Lower	Upper
56	100		
69	27.8	21.7	32.5
84	73.9	57.8	86.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.39 ug/l

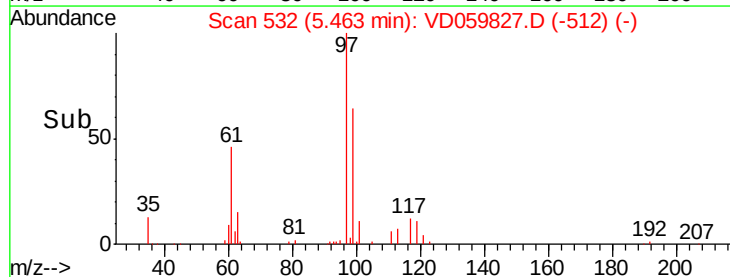
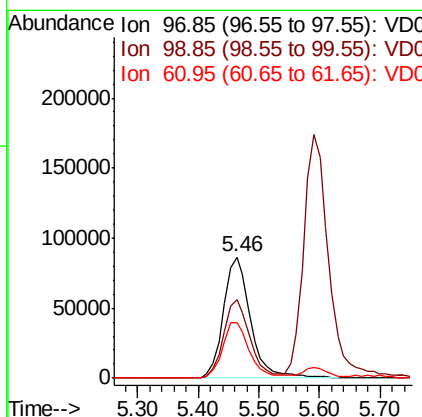
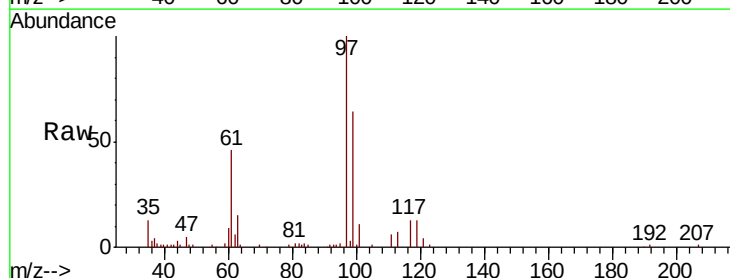
RT: 5.46 min Scan# 532

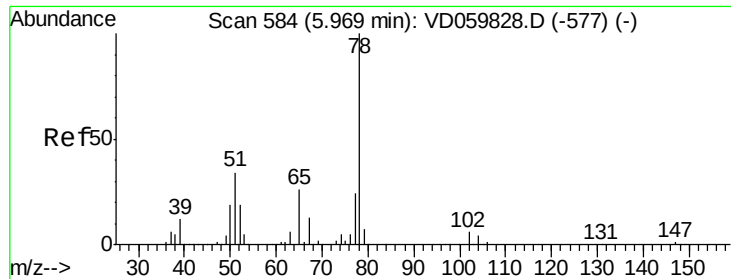
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	97	Resp:	269093
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	45.8	37.0	55.6





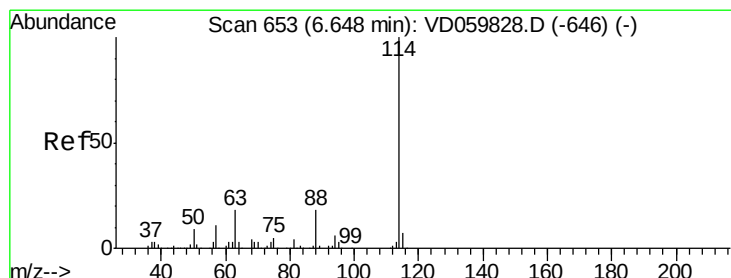
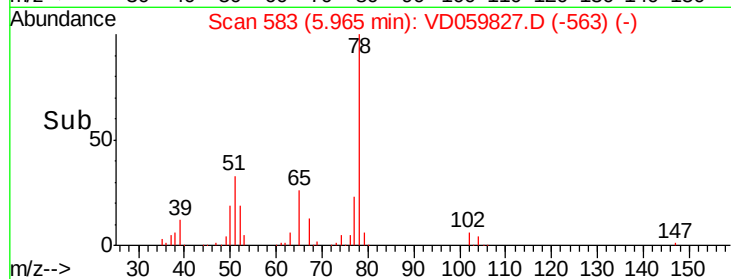
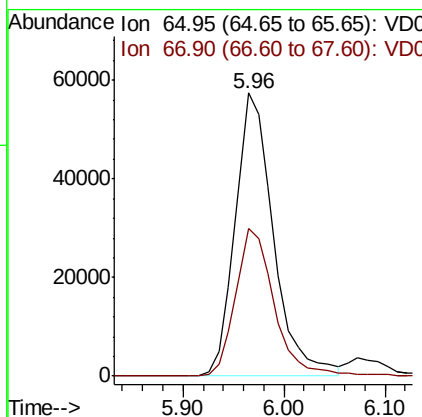
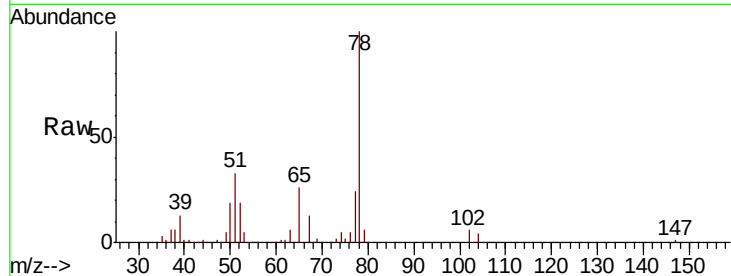
#33
 1,2-Dichloroethane-d4
 Concen: 19.39 ug/l
 RT: 5.96 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151693		
67	52.3	0.0	102.4	

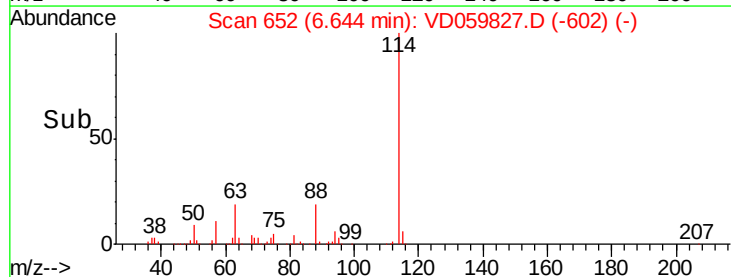
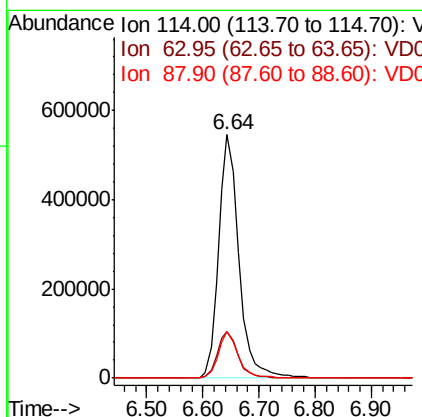
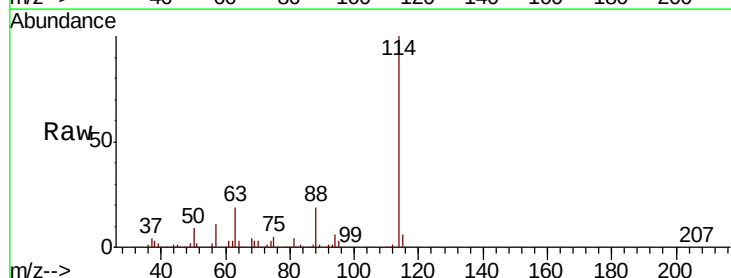
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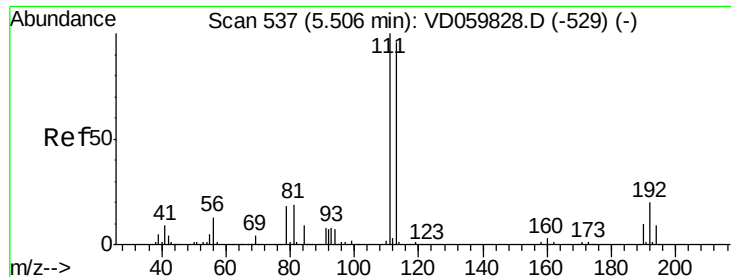
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1379025		
63	19.1	0.0	37.0	
88	18.9	0.0	37.0	





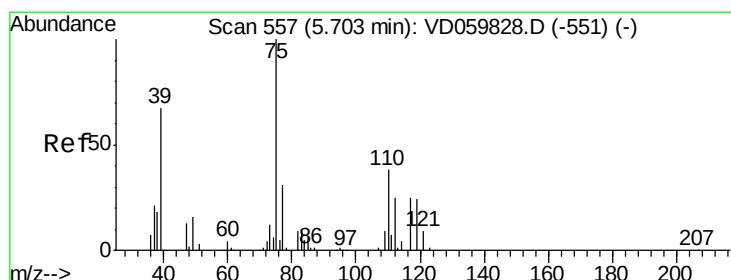
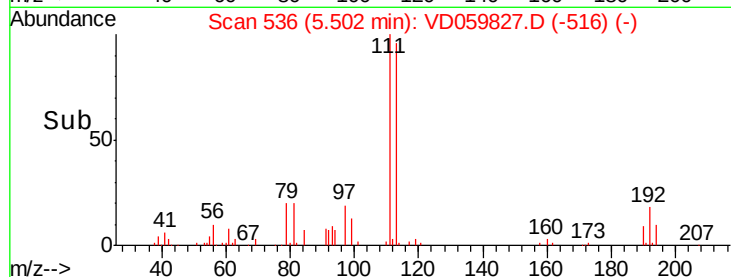
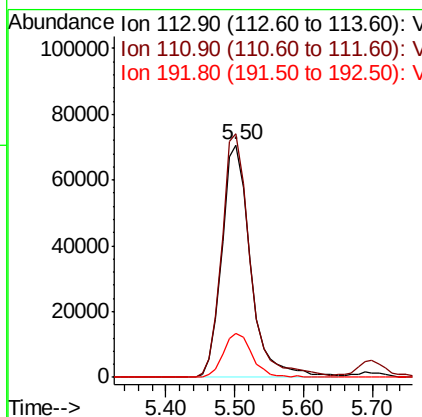
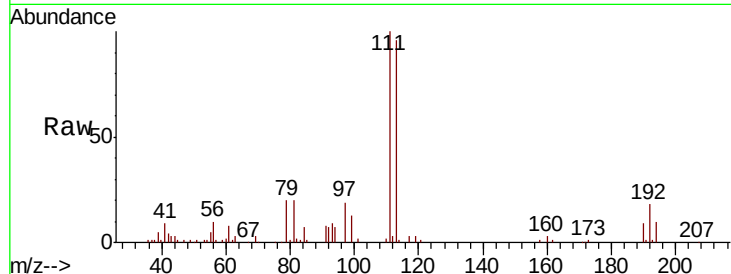
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	204978		
111	104.6	83.3	124.9	
192	19.0	16.8	25.2	

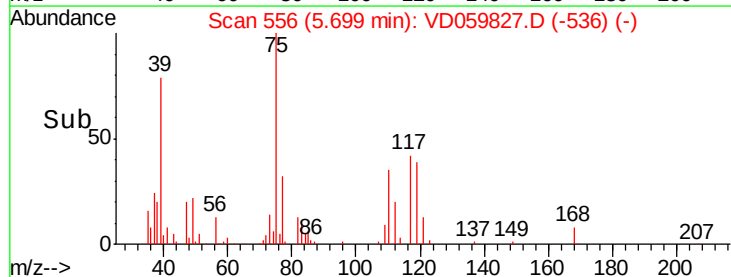
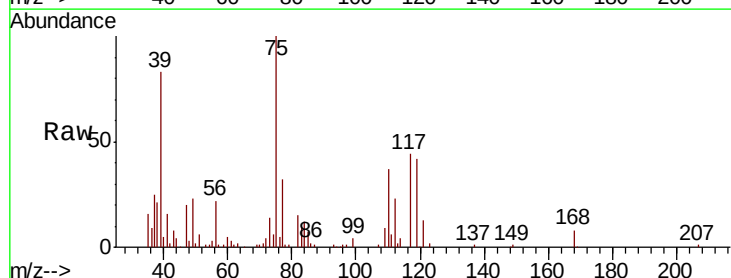
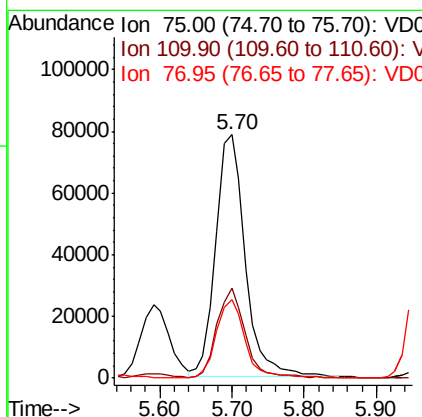
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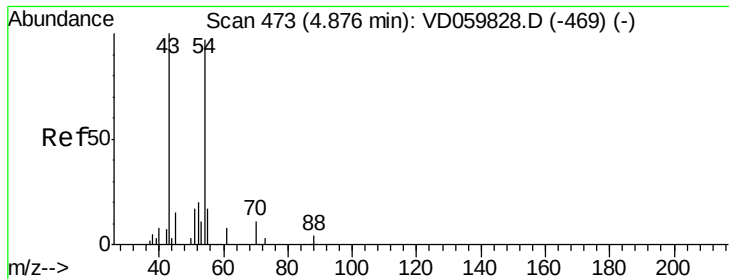
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#36
 1,1-Dichloropropene
 Concen: 18.73 ug/l
 RT: 5.70 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222219		
110	36.9	18.8	56.4	
77	32.1	24.9	37.3	





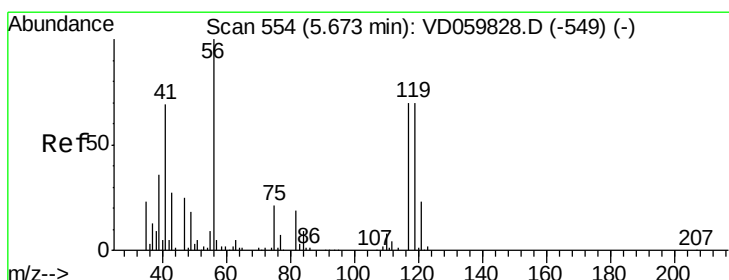
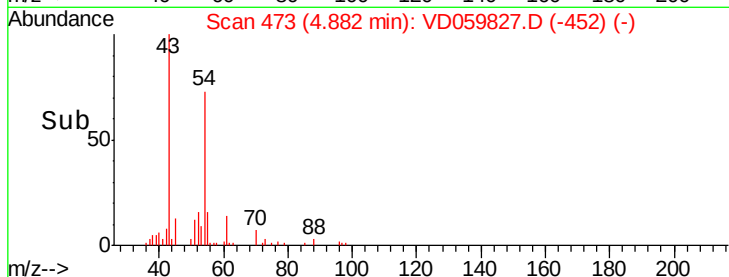
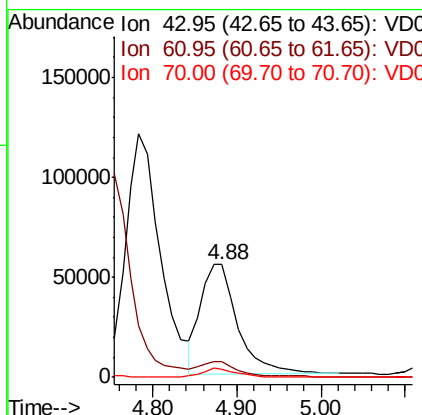
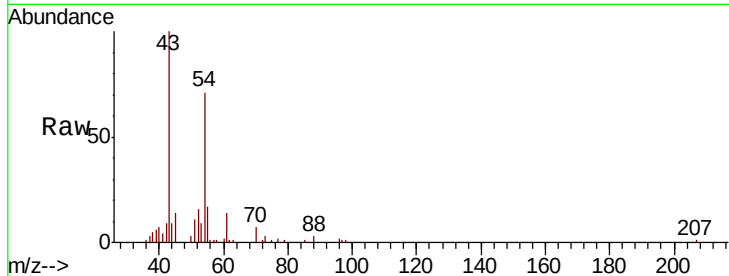
#37
Ethyl Acetate
Concen: 19.12 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	7.3	6.2	9.2

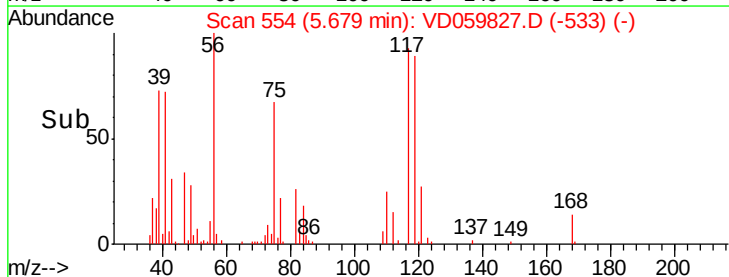
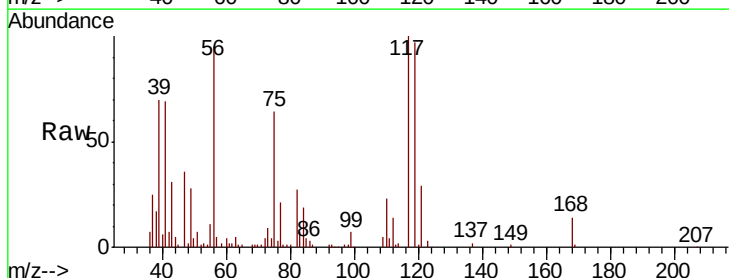
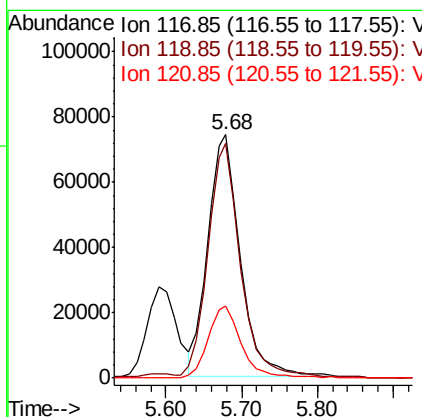
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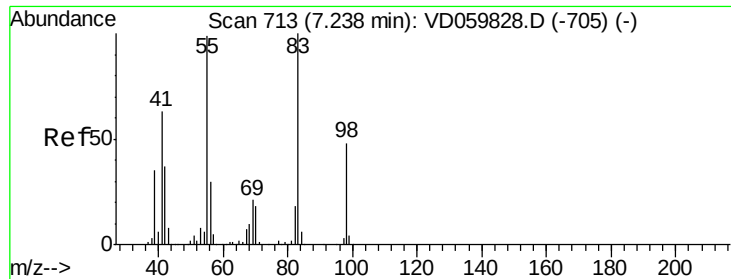
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#38
Carbon Tetrachloride
Concen: 18.76 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.4
121	29.5	24.7	37.1





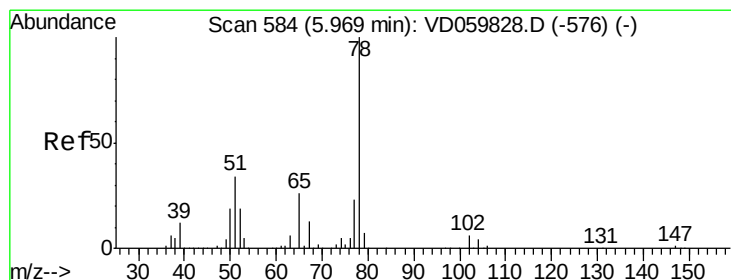
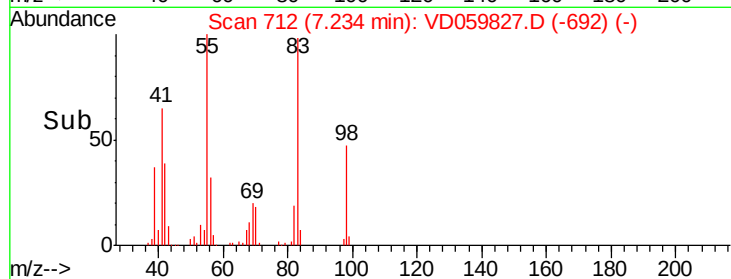
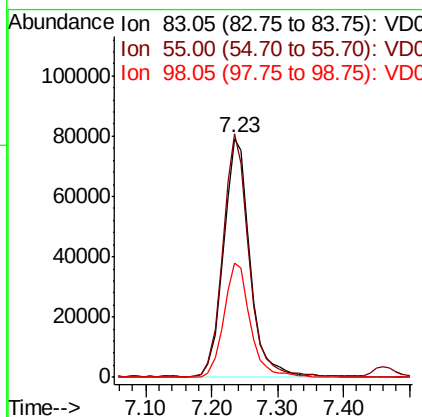
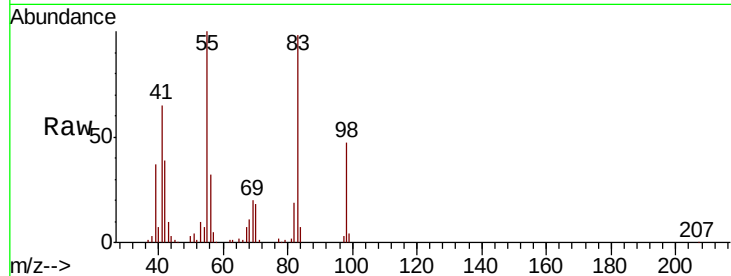
#39
Methylvlcyclohexane
Concen: 17.64 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	102.0	79.0	118.6
98	48.0	38.1	57.1

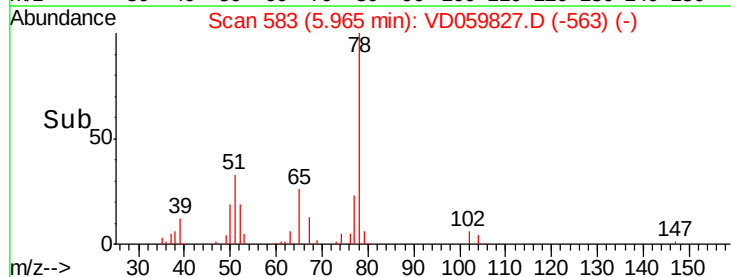
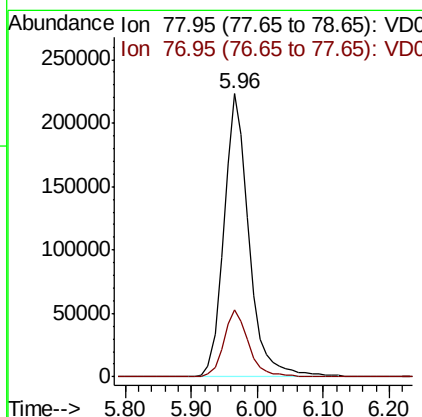
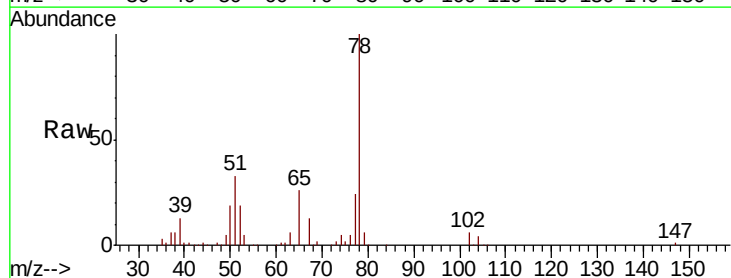
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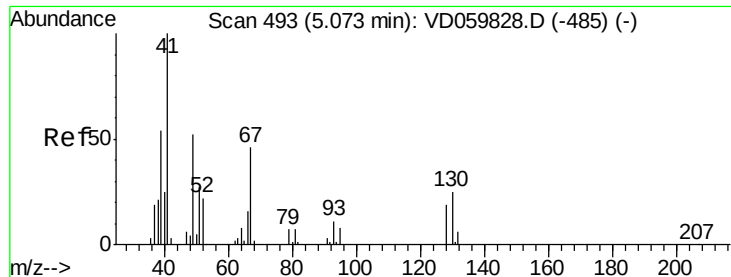
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#40
Benzene
Concen: 19.38 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





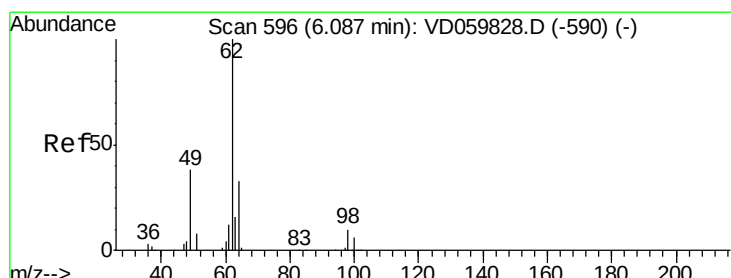
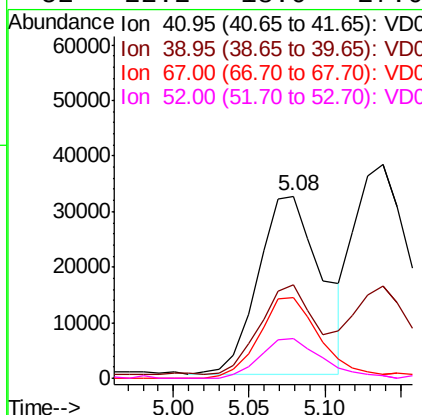
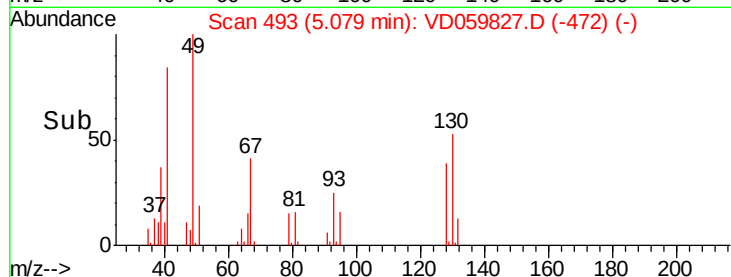
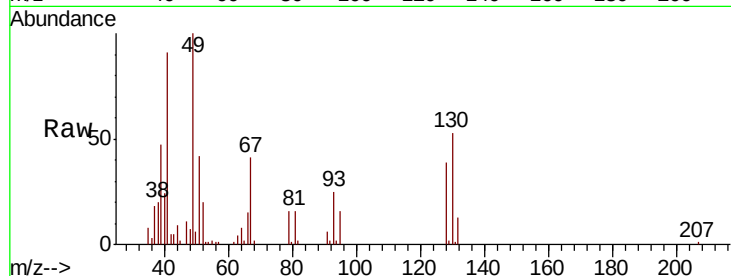
#41
Methacrylonitrile
Concen: 21.20 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	94249
Ion	Ratio	Lower	Upper
41	100		
39	51.6	43.0	64.6
67	44.6	36.7	55.1
52	22.2	18.0	27.0

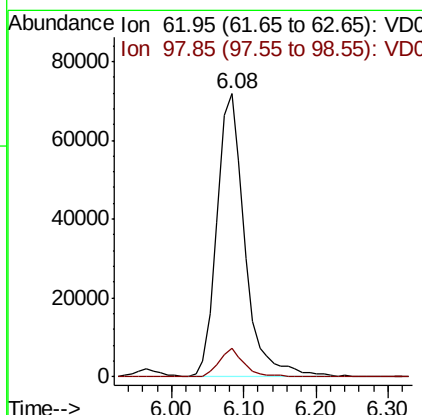
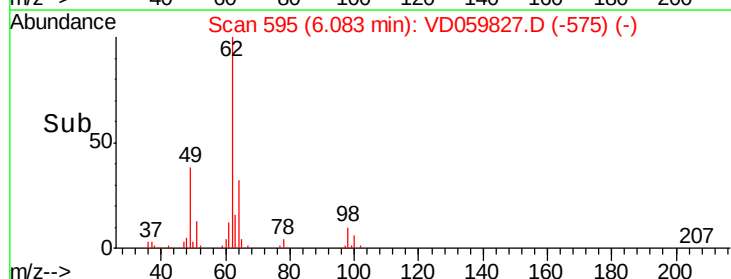
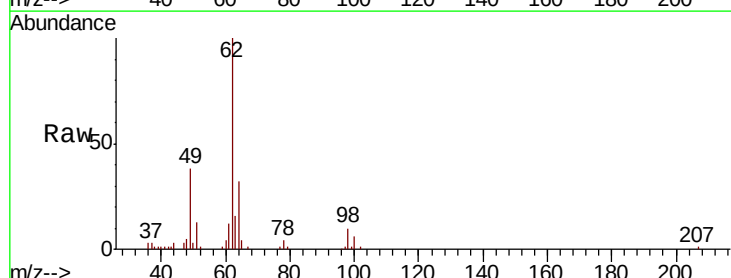
Manual Integrations
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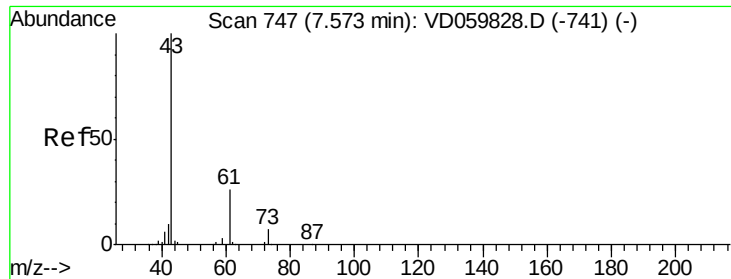
apatel
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#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion:	62	Resp:	191119
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.77 ug/l

RT: 7.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

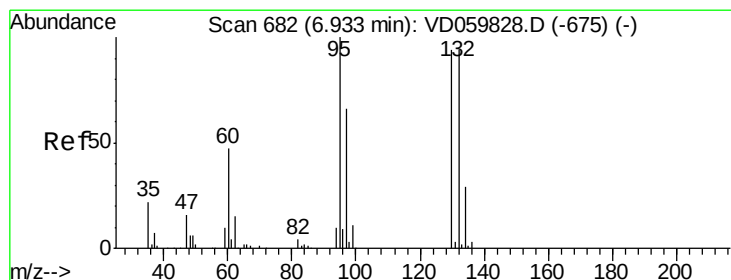
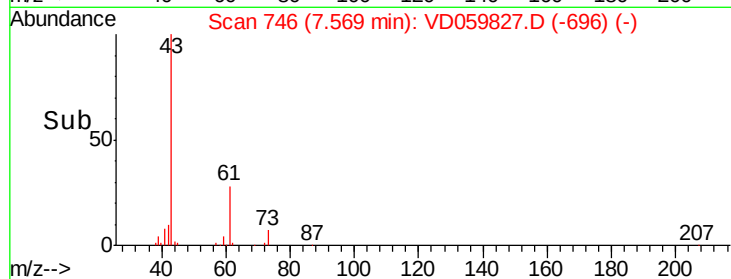
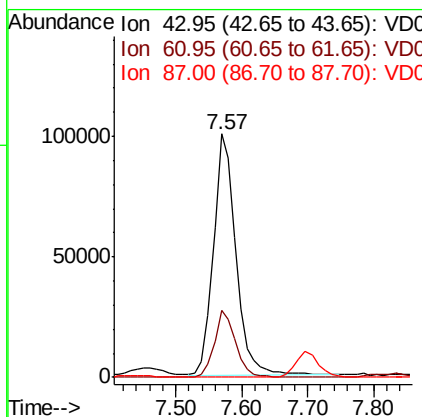
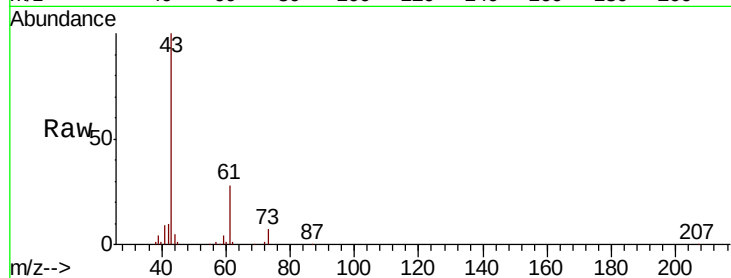
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	234130
Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.0	31.4
87	0.4	0.2	0.4#

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#44

Trichloroethene

Concen: 18.76 ug/l

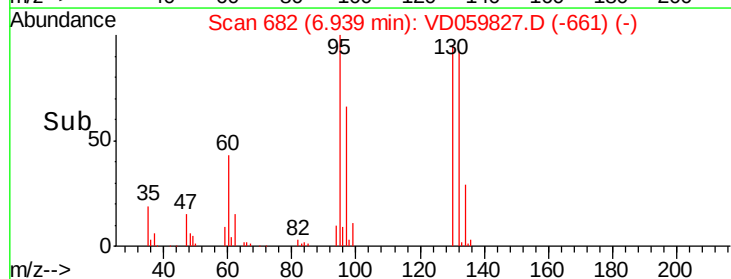
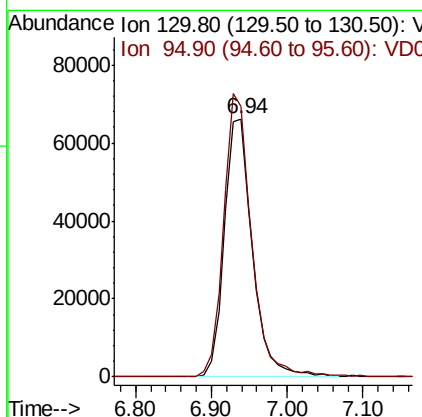
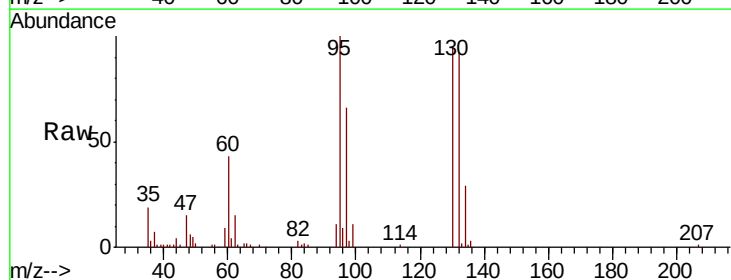
RT: 6.94 min Scan# 682

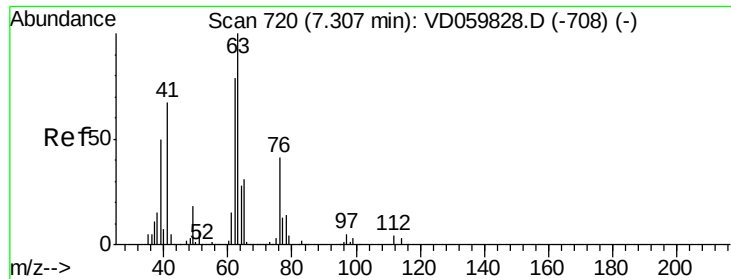
Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	130	Resp:	169346
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	213.0





#45

1,2-Dichloropropane

Concen: 19.60 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 173967

Ion Ratio Lower Upper

63 100

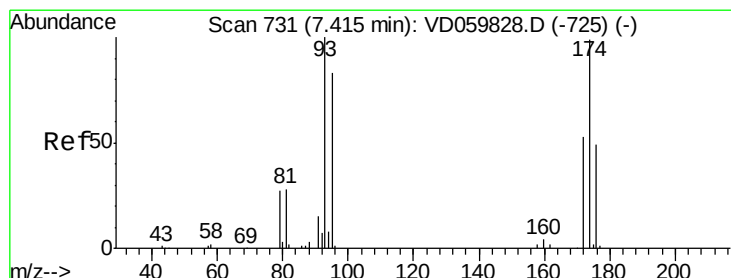
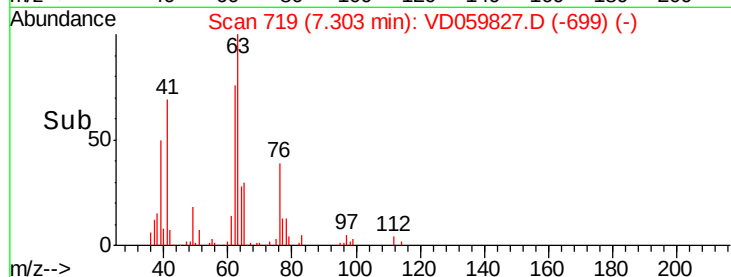
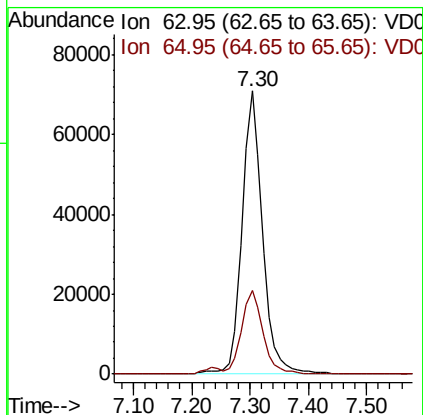
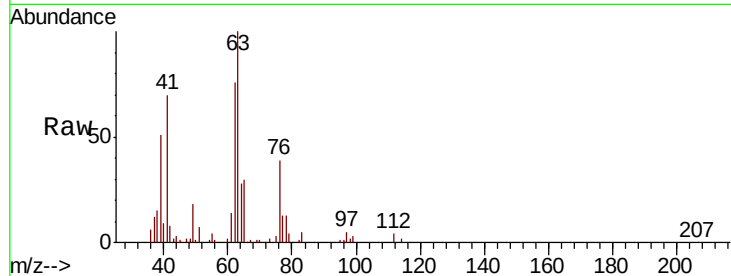
65 29.8 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 19.19 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

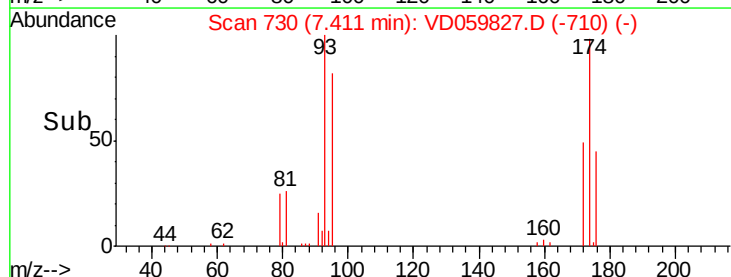
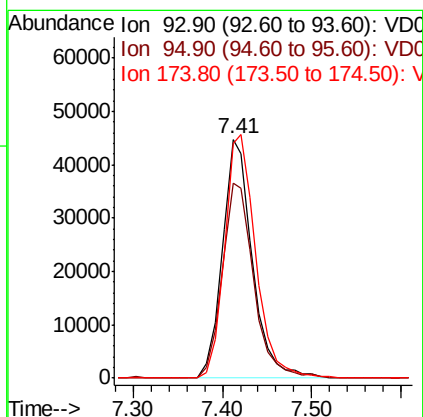
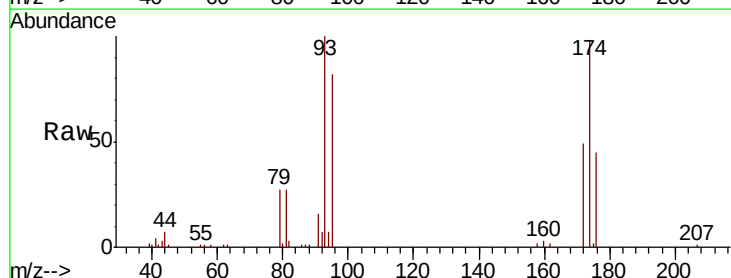
Tgt Ion: 93 Resp: 105879

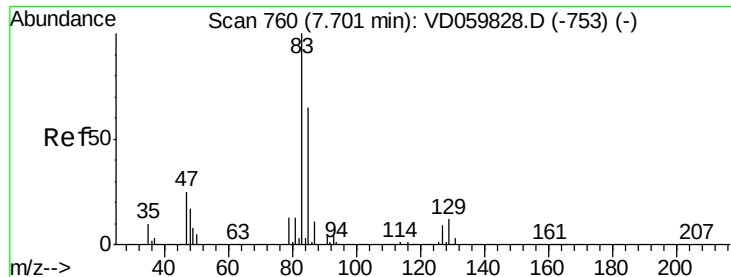
Ion Ratio Lower Upper

93 100

95 81.6 66.3 99.5

174 98.1 79.4 119.0





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

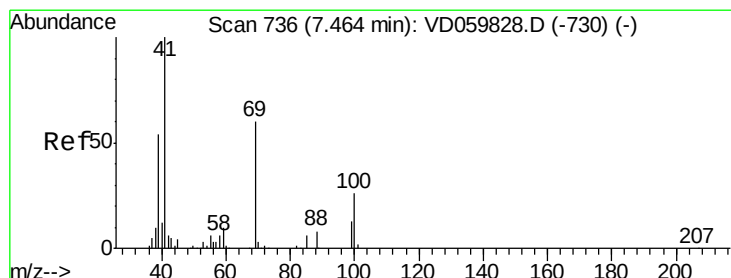
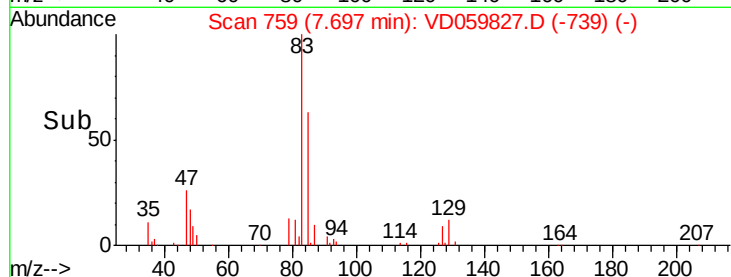
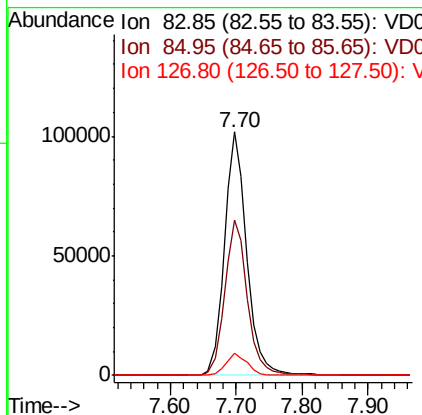
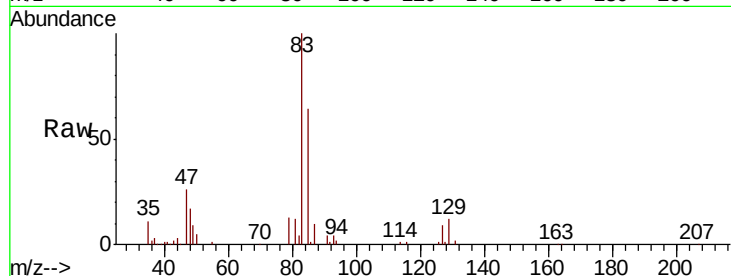
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	240590
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	9.1	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.62 ug/l

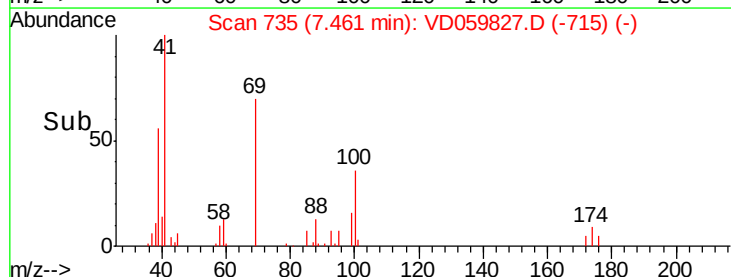
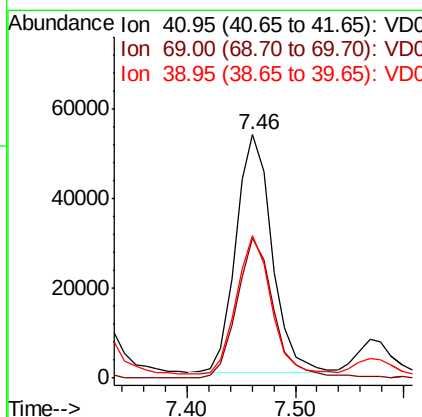
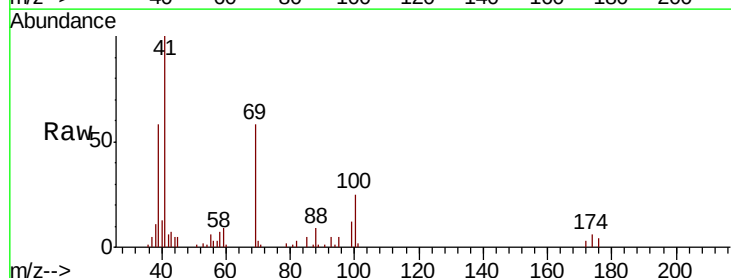
RT: 7.46 min Scan# 735

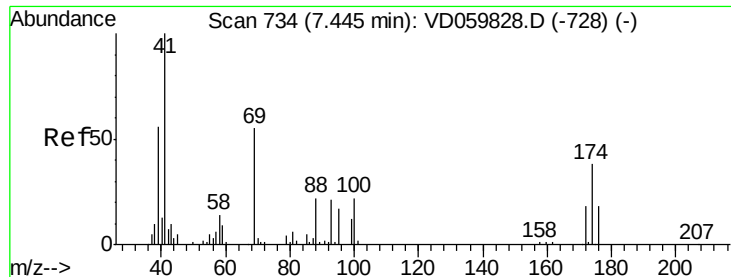
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	41	Resp:	123363
Ion	Ratio	Lower	Upper
41	100		
69	57.7	47.0	70.4
39	58.3	43.4	65.2





#49

1,4-Dioxane

Concen: 381.37 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

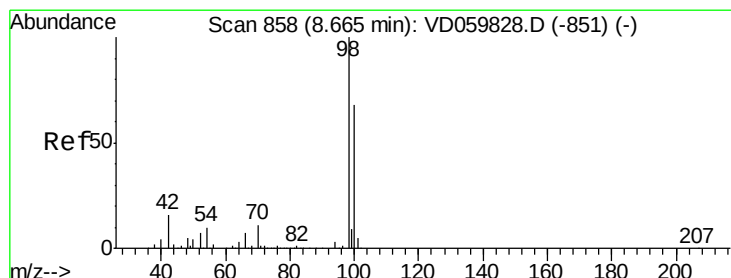
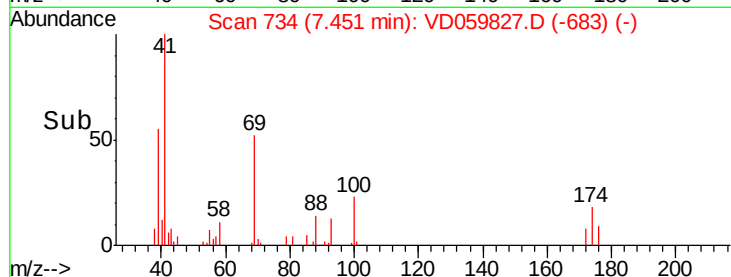
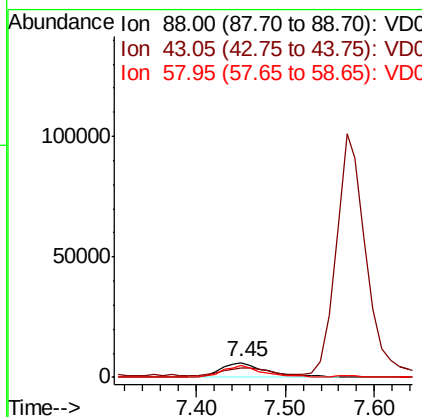
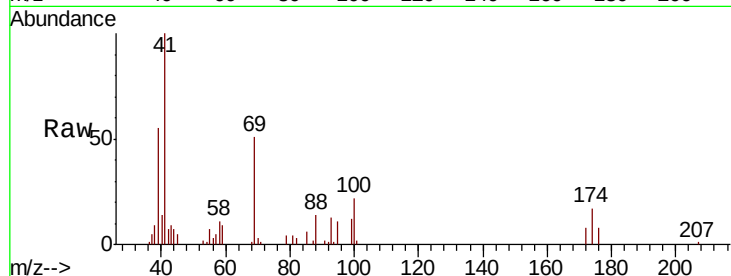
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	66.8	41.4	62.0#
58	77.9	52.4	78.6

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#50

Toluene-d8

Concen: 381.37 ug/l

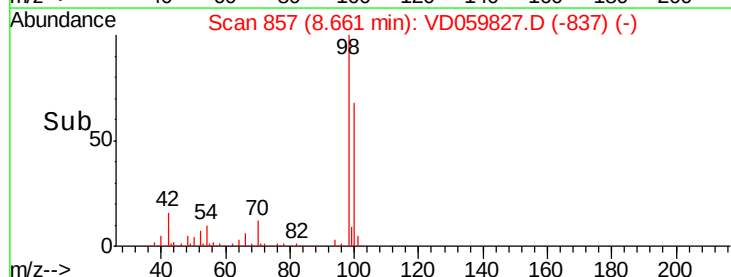
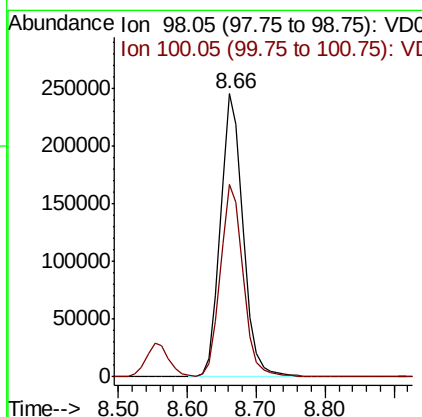
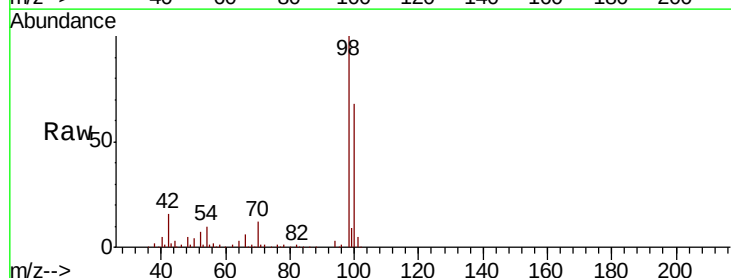
RT: 8.66 min Scan# 857

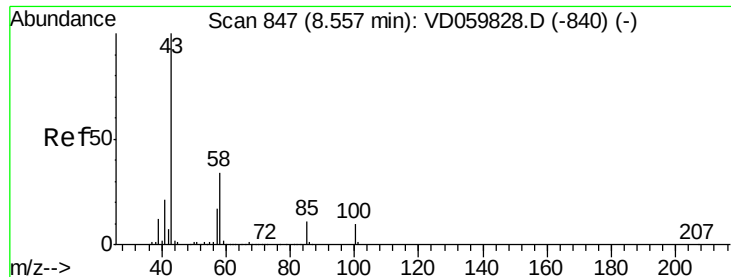
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	55.0	82.4





#51

4-Methyl-2-Pentanone

Concen: 92.95 ug/l

RT: 8.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 757166

Ion Ratio Lower Upper

43 100

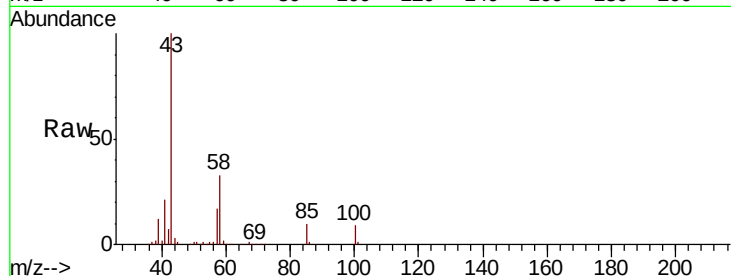
58 32.7 27.0 40.4

Manual Integrations

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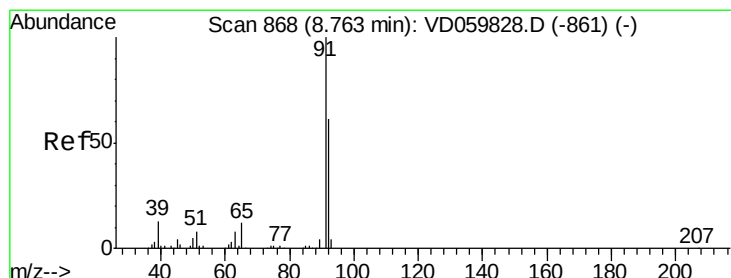
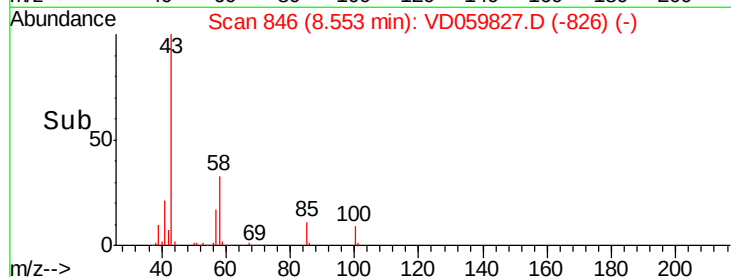
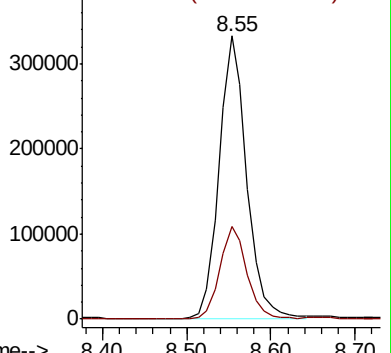
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.49 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059827.D

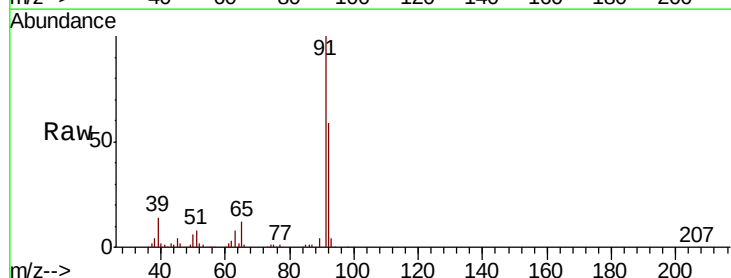
Acq: 20 Aug 2018 12:59

Tgt Ion: 92 Resp: 378664

Ion Ratio Lower Upper

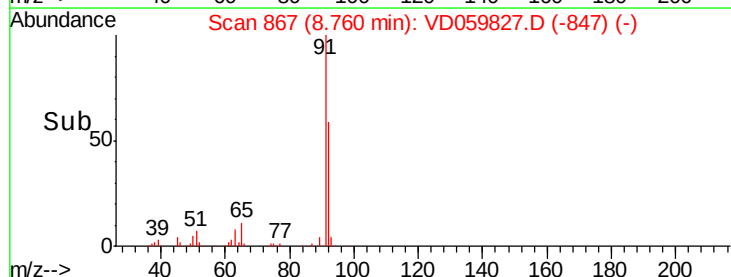
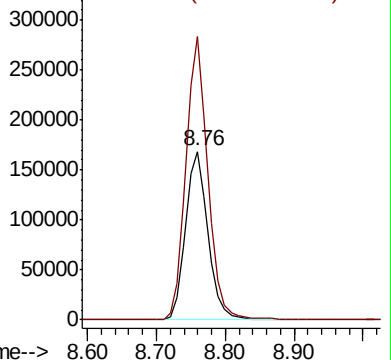
92 100

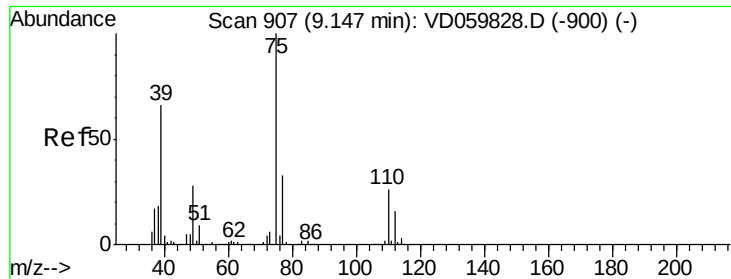
91 168.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.38 ug/l

RT: 9.14 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 216044

Ion Ratio Lower Upper

75 100

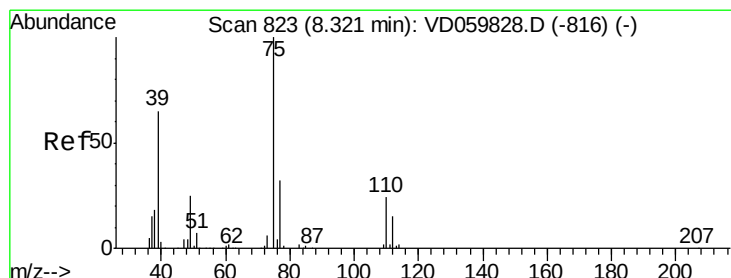
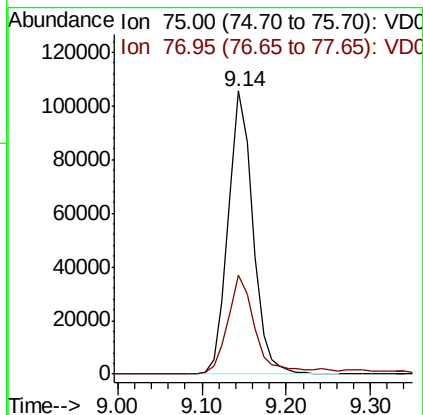
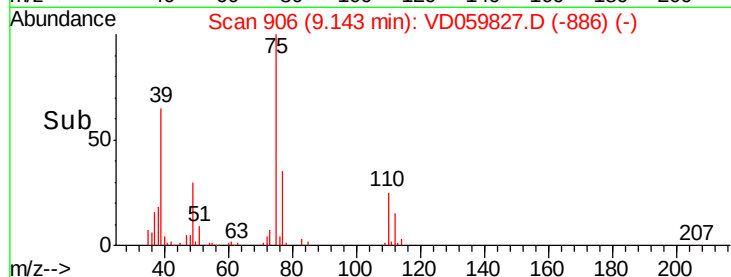
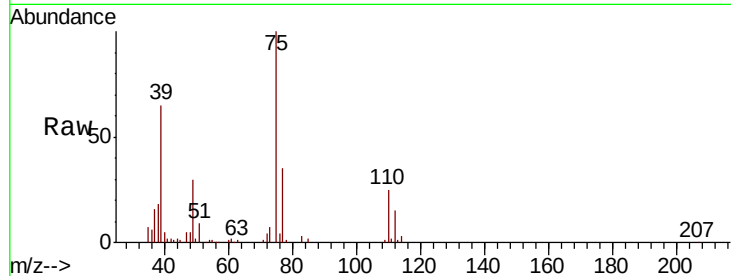
77 35.0 26.3 39.5

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#54

cis-1,3-Dichloropropene

Concen: 19.35 ug/l

RT: 8.32 min Scan# 822

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

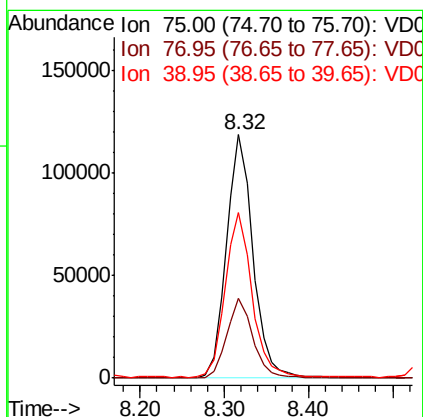
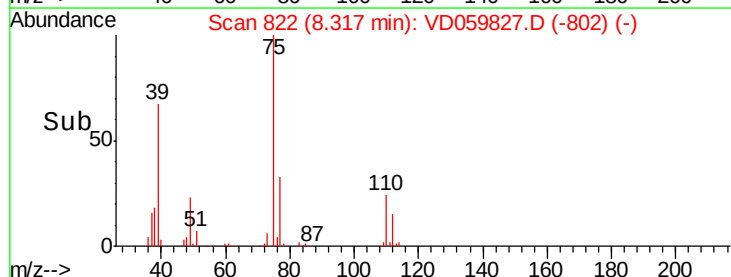
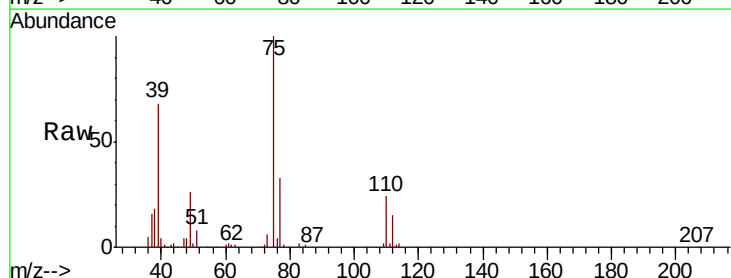
Tgt Ion: 75 Resp: 259014

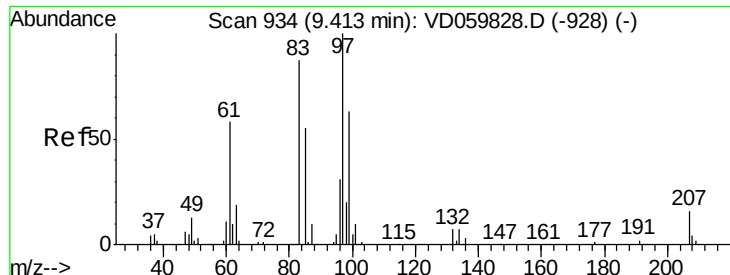
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 68.2 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 19.81 ug/l

RT: 9.41 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

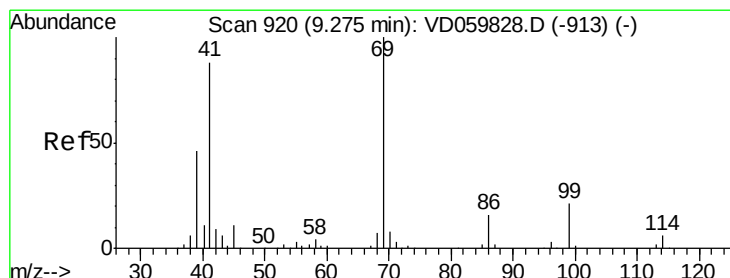
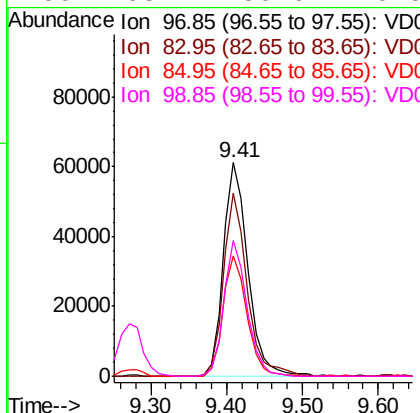
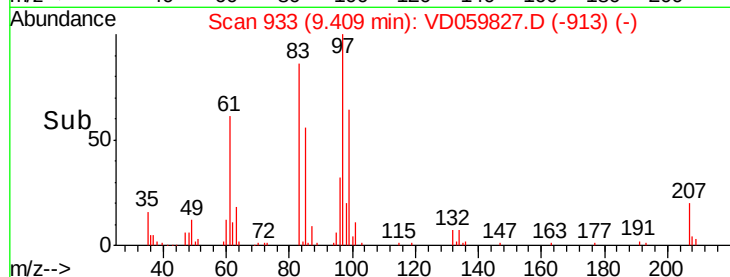
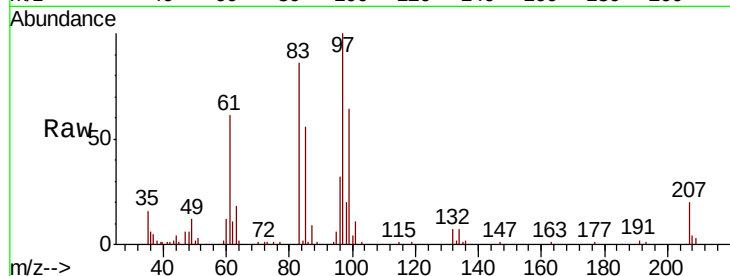
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	137039
Ion Ratio	Lower	Upper	
97	100		
83	85.6	69.2	103.8
85	56.5	44.3	66.5
99	63.7	50.6	76.0

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#56

Ethyl methacrylate

Concen: 19.87 ug/l

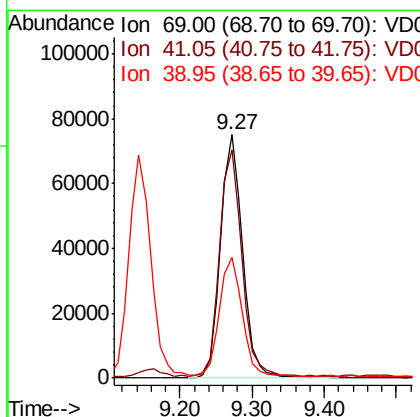
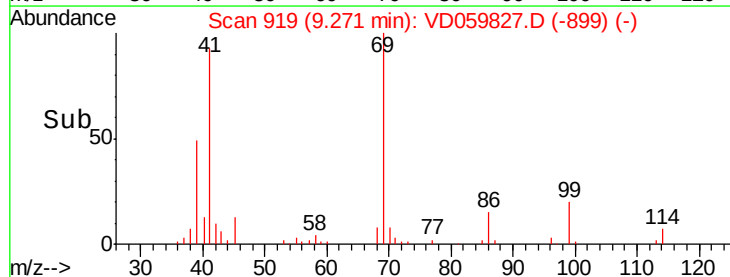
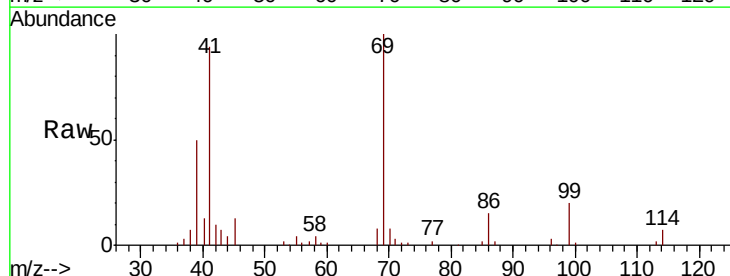
RT: 9.27 min Scan# 919

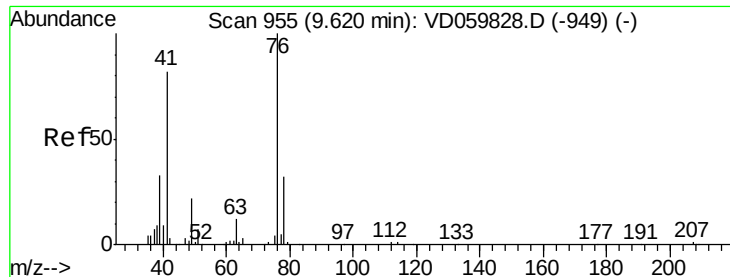
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	69	Resp:	157906
Ion Ratio	Lower	Upper	
69	100		
41	93.5	71.0	106.4
39	49.7	38.0	57.0





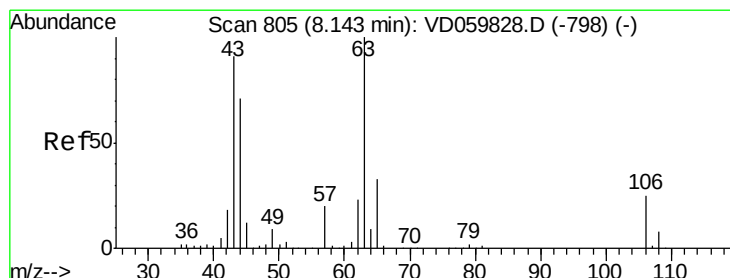
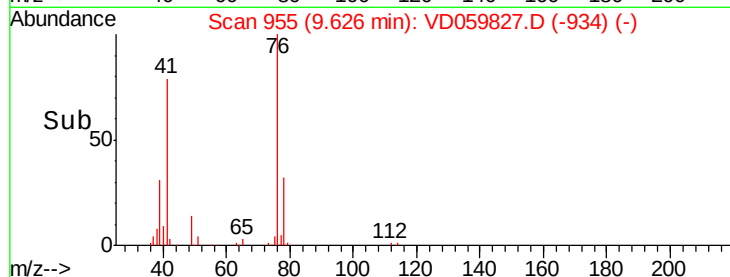
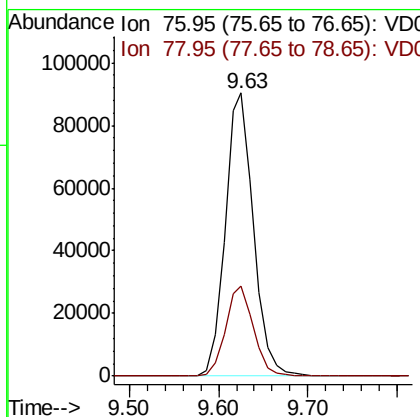
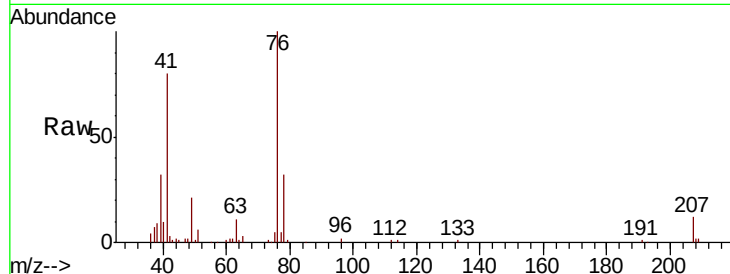
#57
 1,3-Dichloropropane
 Concen: 19.80 ug/l
 RT: 9.63 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

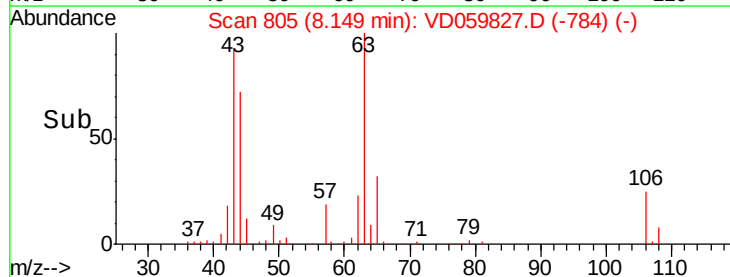
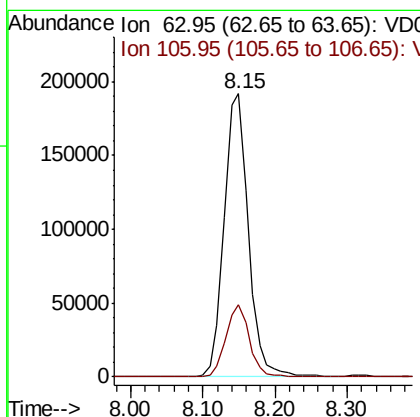
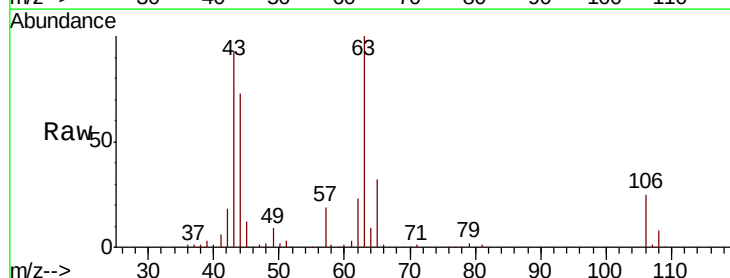
Manual Integrations
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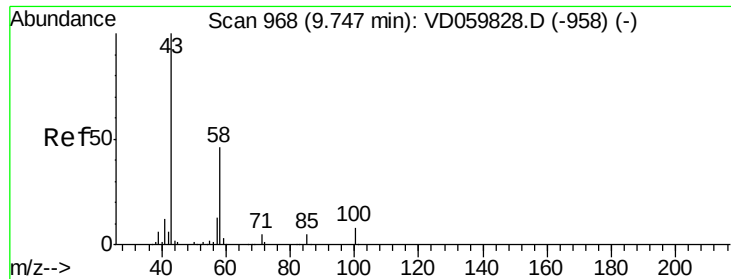
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.35 ug/l
 RT: 8.15 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.6	29.4





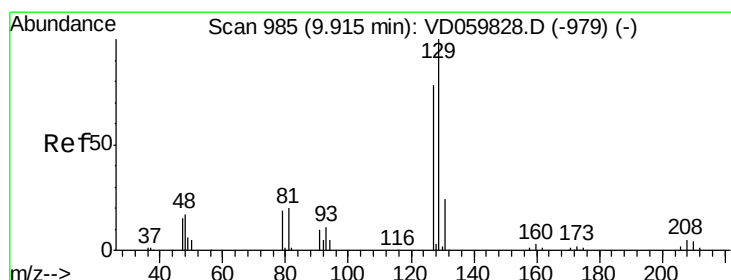
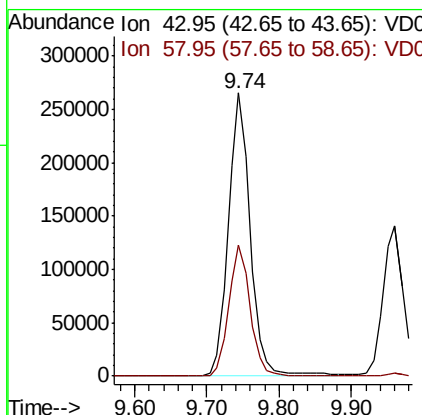
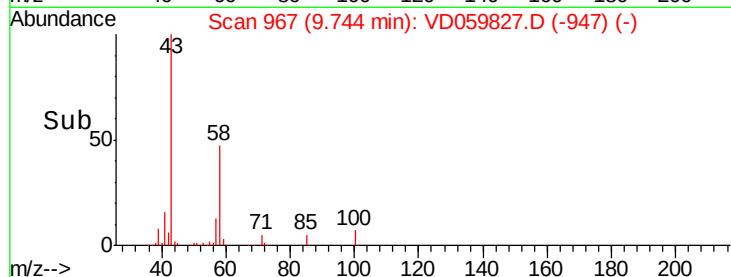
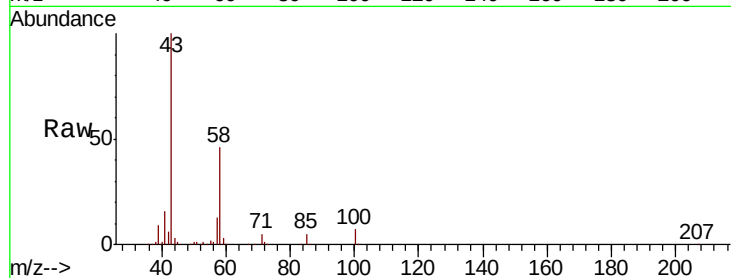
#59
2-Hexanone
Concen: 91.63 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.5	23.1	69.2

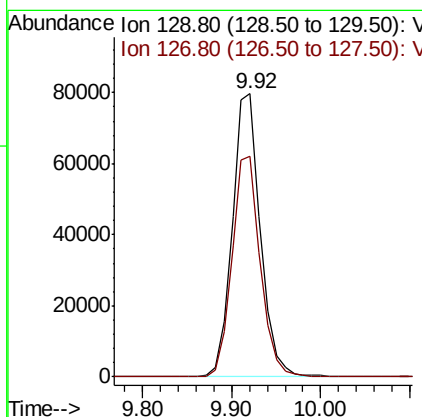
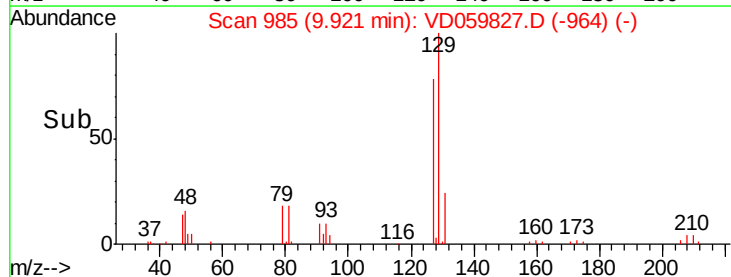
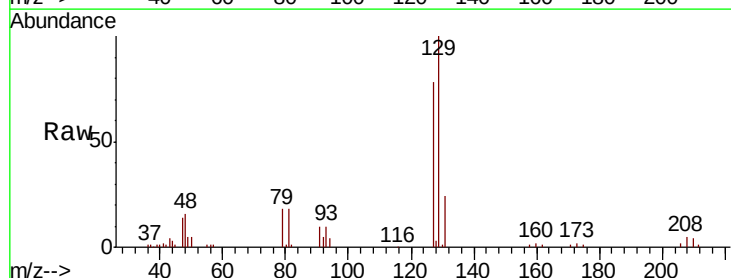
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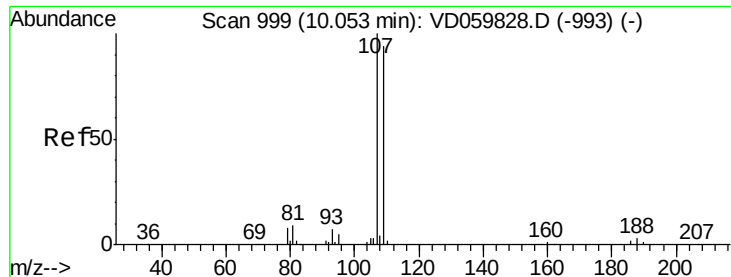
apatel
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#60
Dibromochloromethane
Concen: 19.69 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9





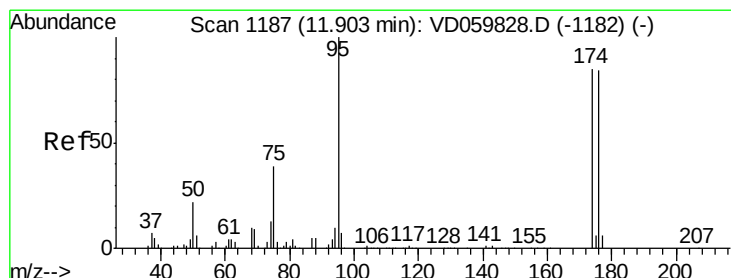
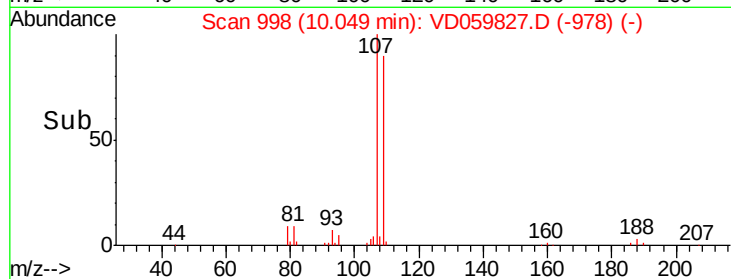
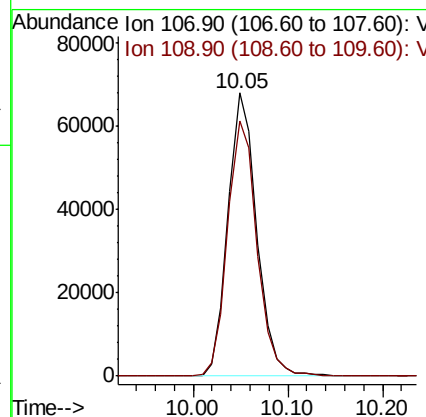
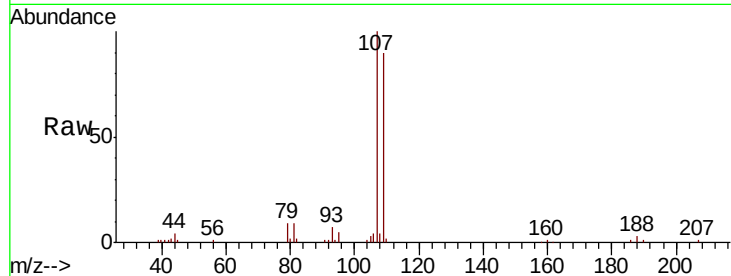
#61
 1,2-Dibromoethane
 Concen: 19.47 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	75.0	112.6

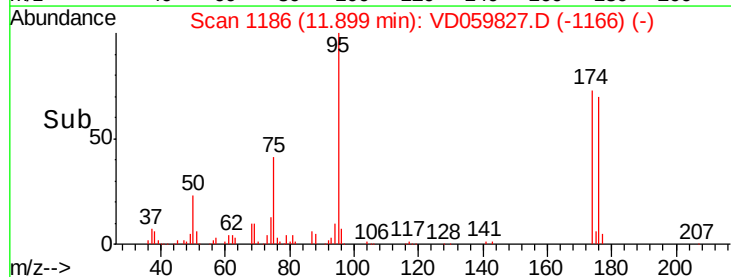
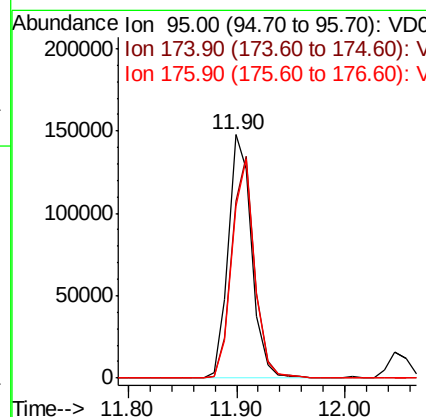
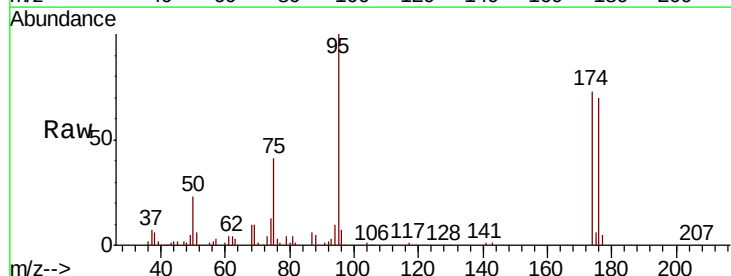
Manual Integrations
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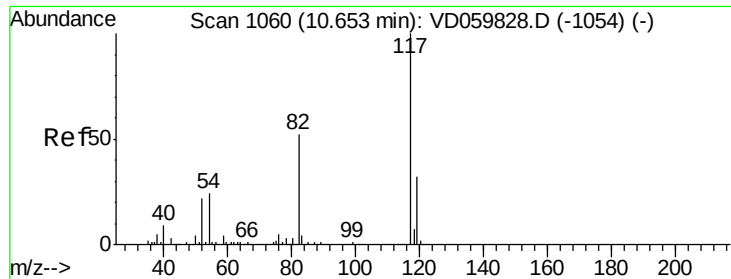
apatel
 8/21/2018 10:23:27 AM



#62
 4-Bromofluorobenzene
 Concen: 19.47 ug/l
 RT: 11.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	169.2
176	70.5	0.0	168.0





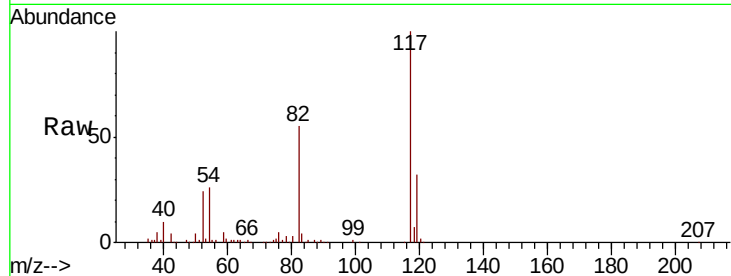
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

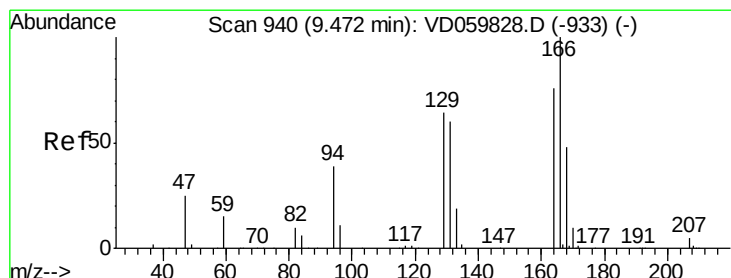
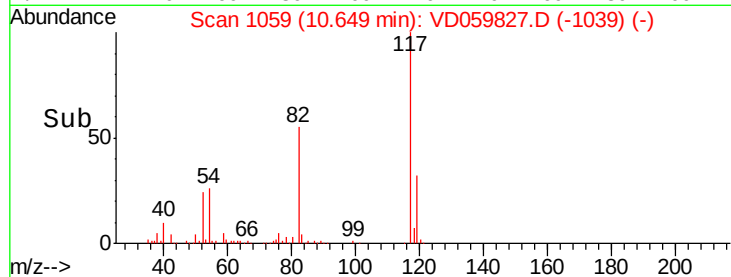
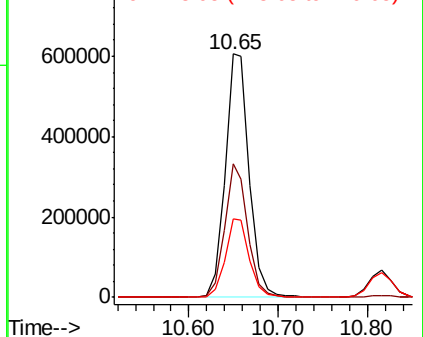
Tot Ion:117 Resp: 1147488
Ion Ratio Lower Upper
117 100
82 54.7 41.6 62.4
119 32.0 25.6 38.4

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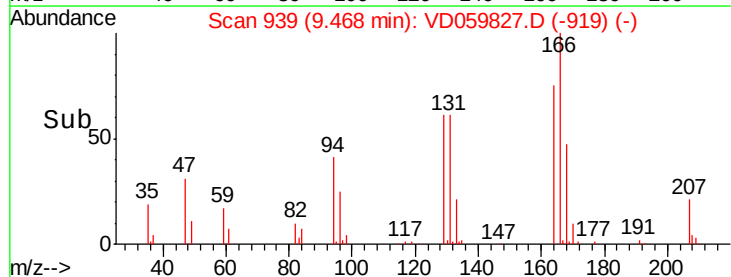
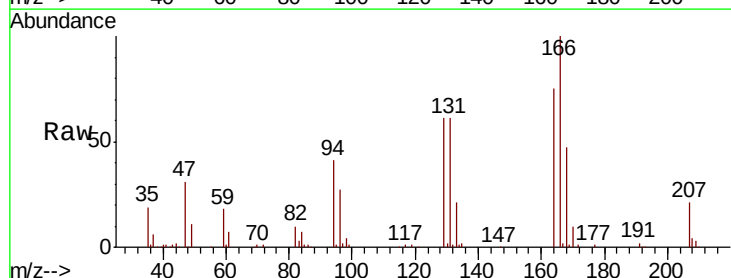
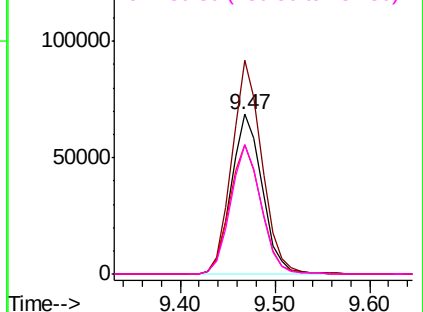
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

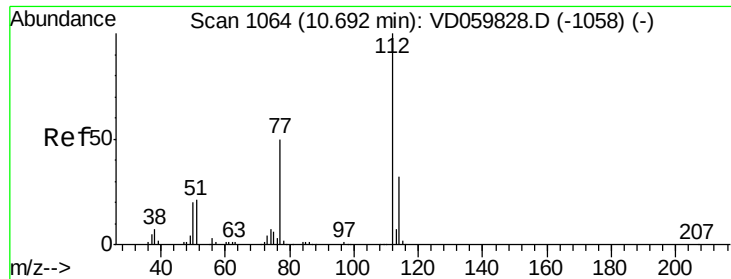


#64
Tetrachloroethene
Concen: 18.40 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion:164 Resp: 155021
Ion Ratio Lower Upper
164 100
166 133.7 104.9 157.3
129 81.1 66.7 100.1
131 81.2 63.1 94.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





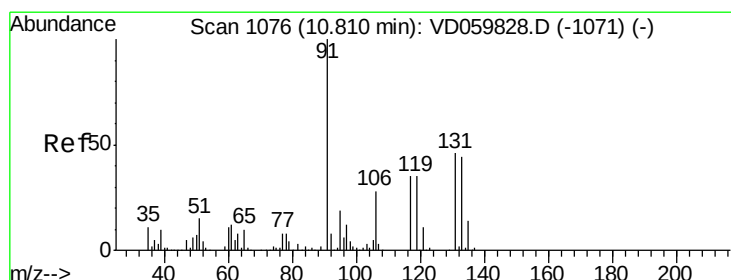
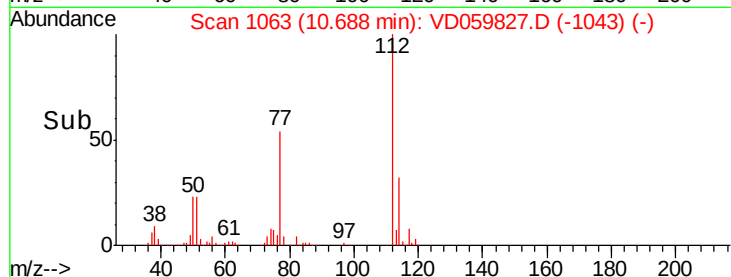
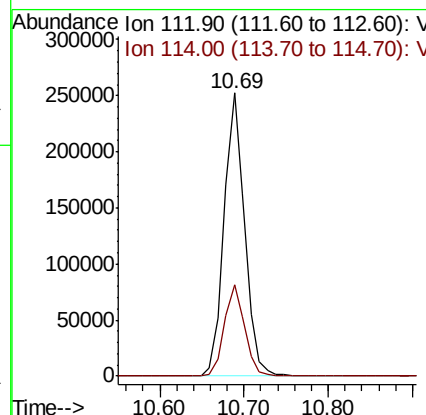
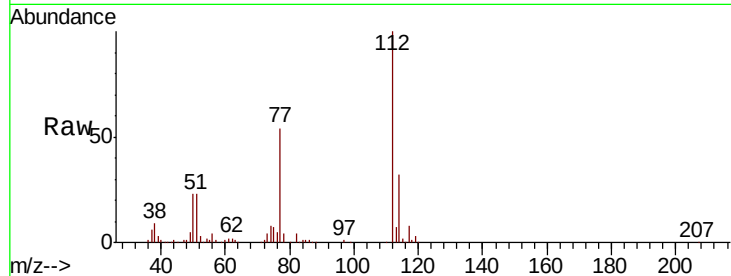
#65
Chlorobenzene
Concen: 19.11 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 426633
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

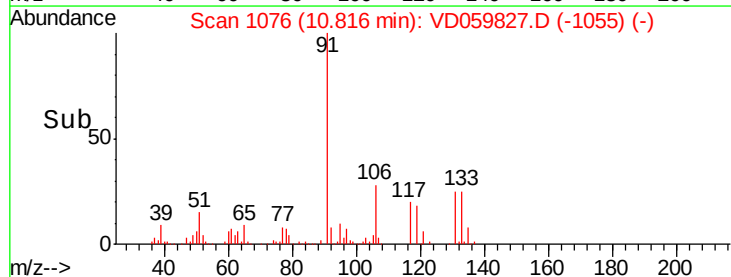
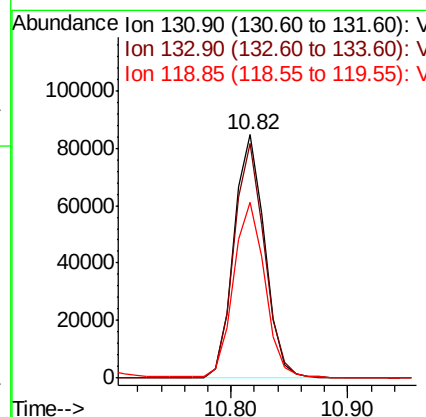
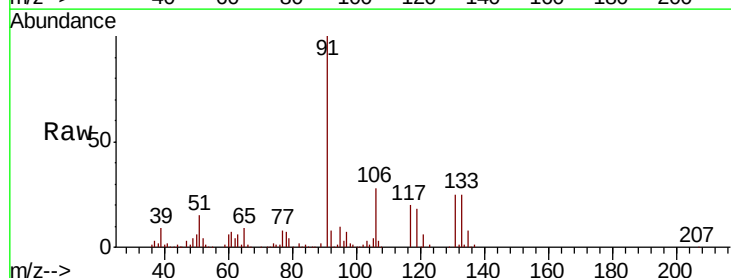
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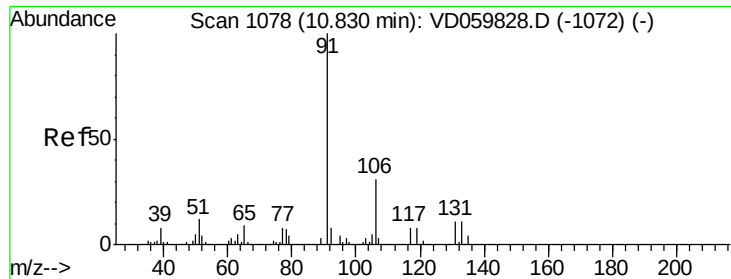
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.11 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion:131 Resp: 155052
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.4
119 72.2 37.5 112.7





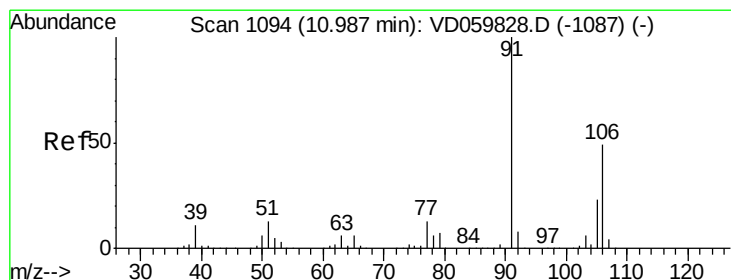
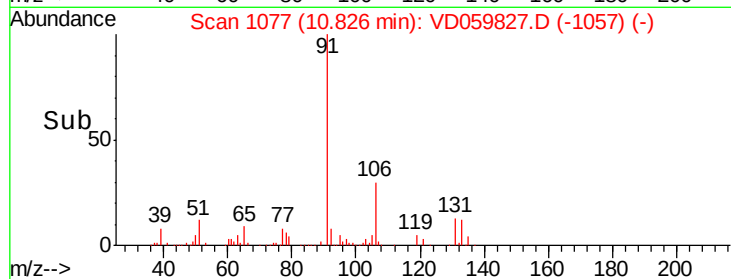
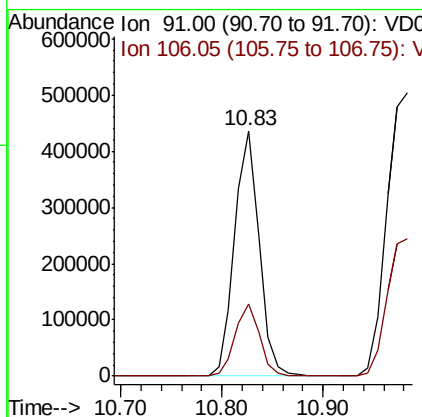
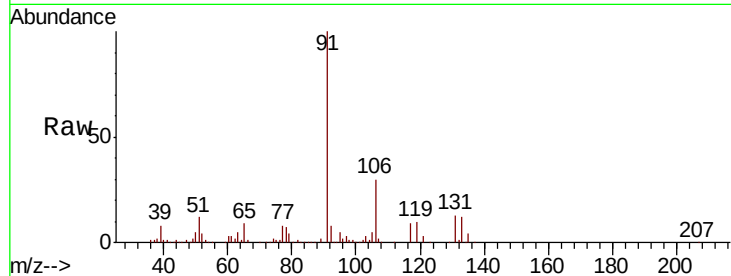
#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 738401
Ion Ratio Lower Upper
91 100
106 29.6 25.1 37.7

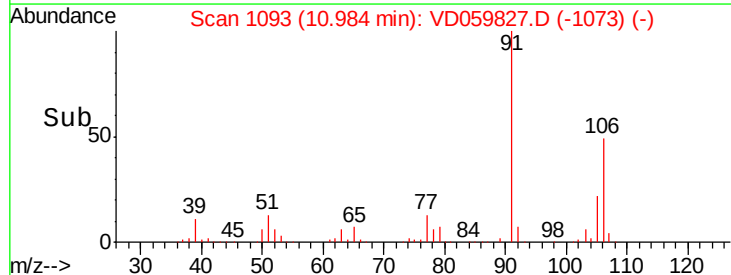
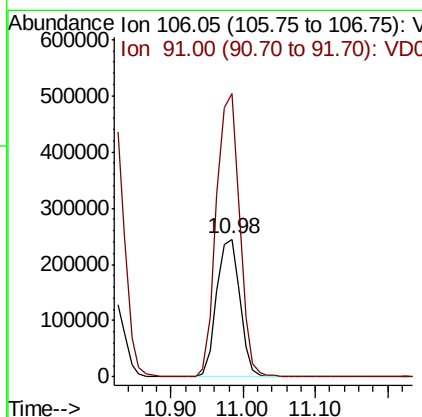
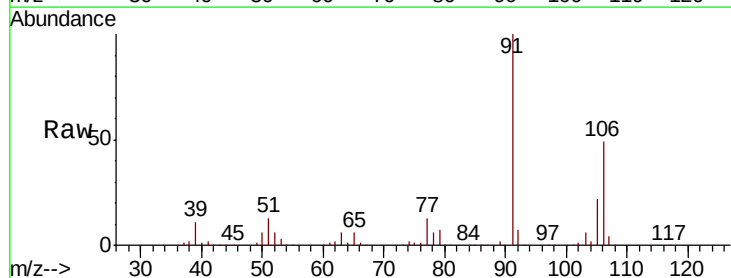
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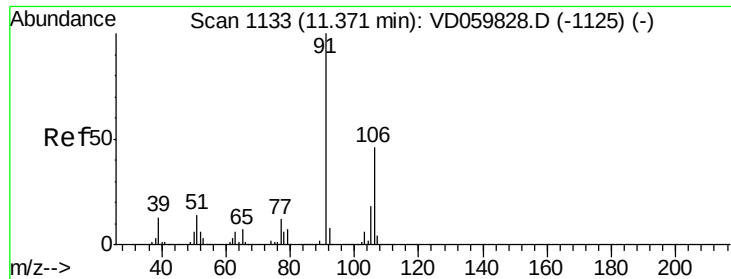
apatel
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#68
m/p-Xylenes
Concen: 40.64 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 106 Resp: 545093
Ion Ratio Lower Upper
106 100
91 205.1 161.8 242.8





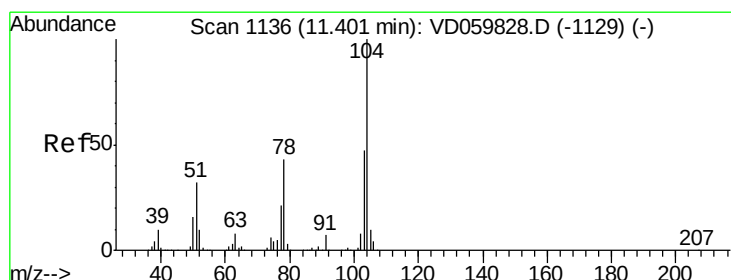
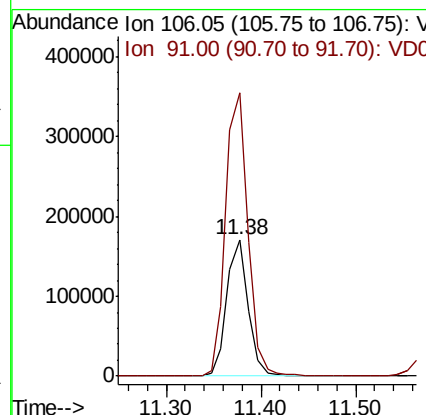
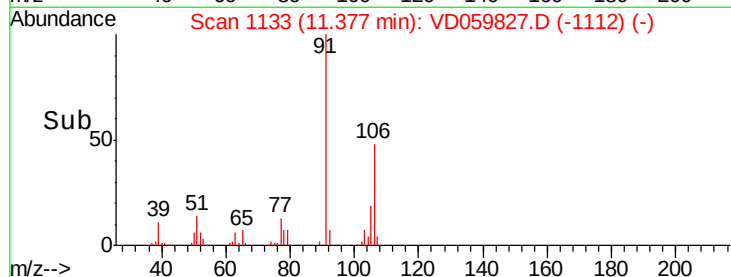
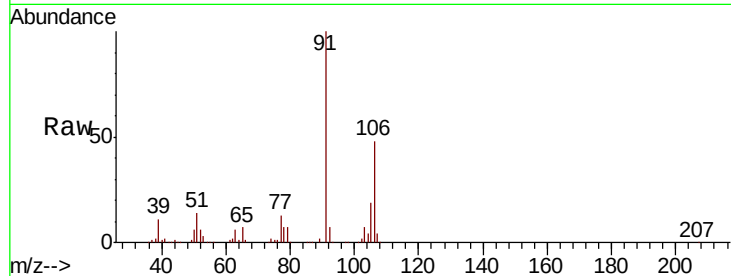
#69
o-Xylene
Concen: 20.34 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	108.5	325.3

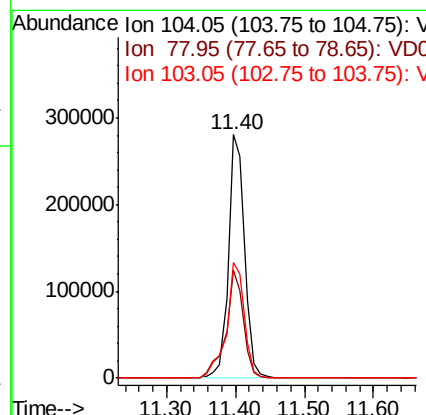
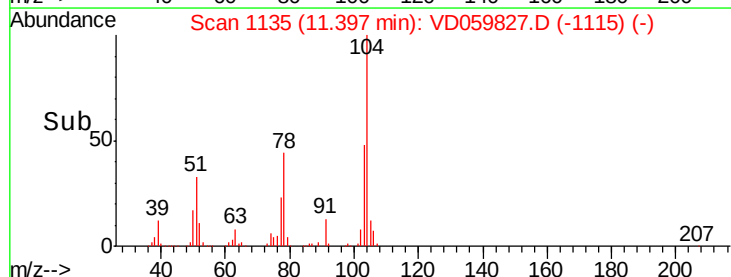
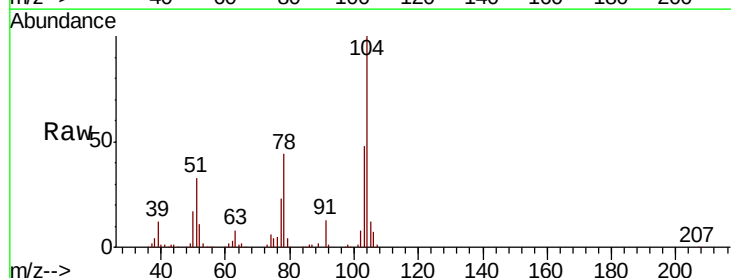
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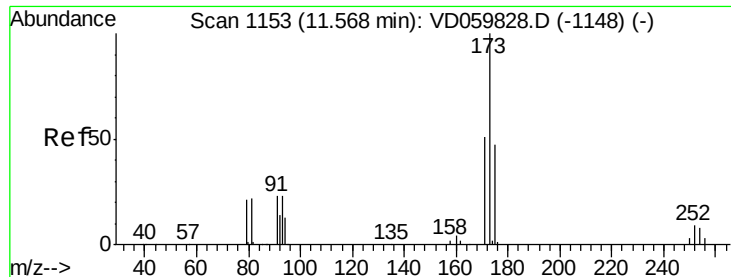
apatel
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#70
Styrene
Concen: 20.01 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.2	34.6	52.0
103	47.5	37.8	56.6





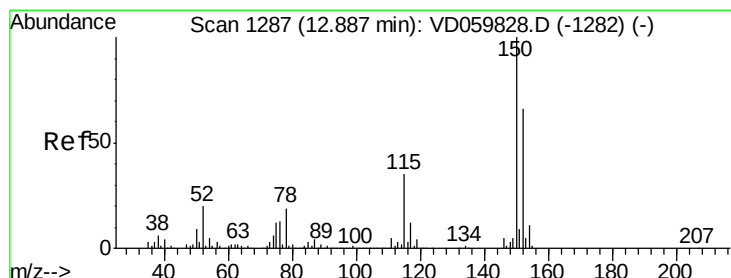
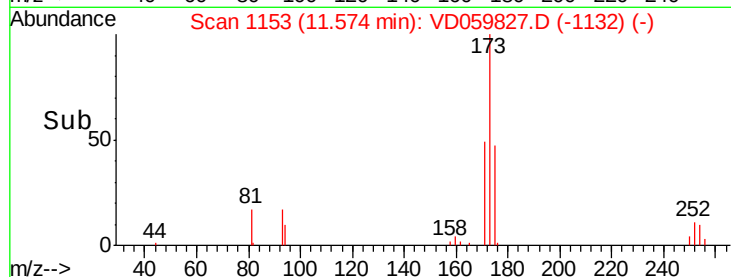
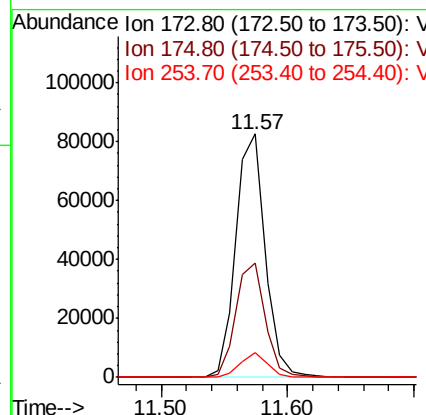
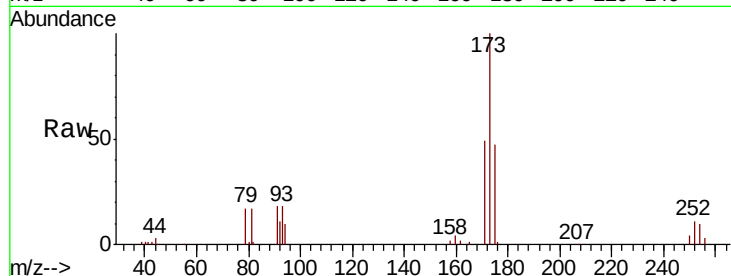
#71
Bromoform
Concen: 19.56 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.7	71.1
254	10.1	6.7	10.1

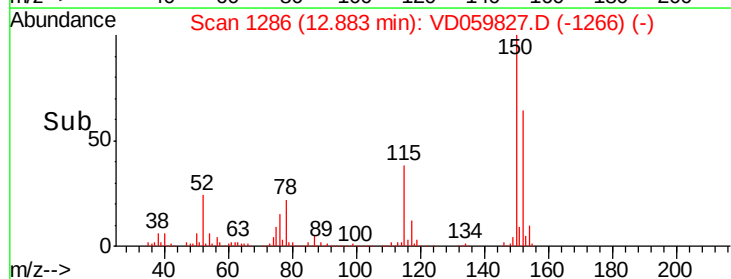
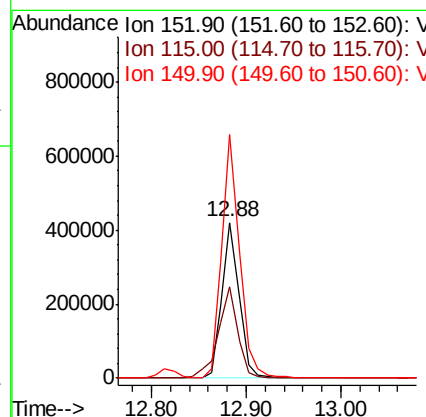
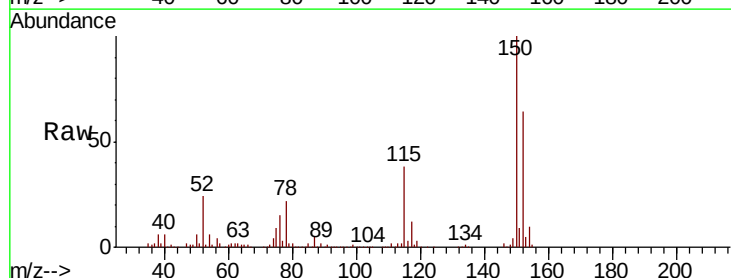
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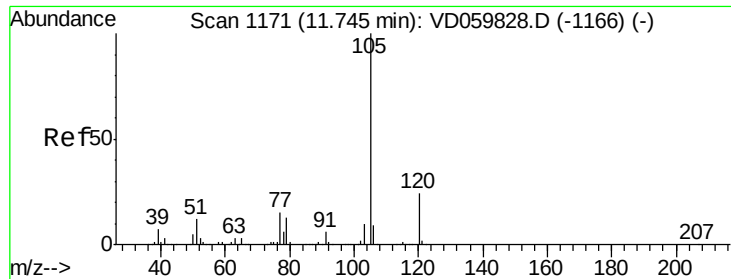
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.88 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	26.9	80.6
150	156.2	0.0	306.8





#73

Isopropylbenzene

Concen: 20.19 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 105 Resp: 729884

Ion Ratio Lower Upper

105 100

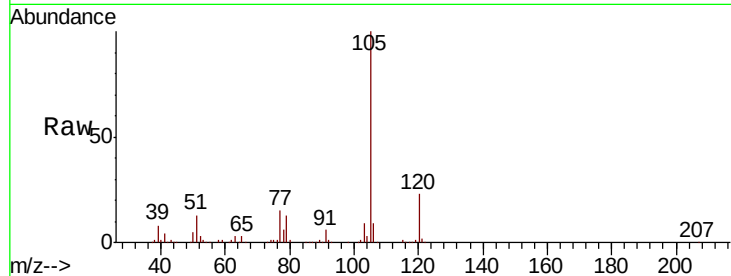
120 22.5 11.9 35.5

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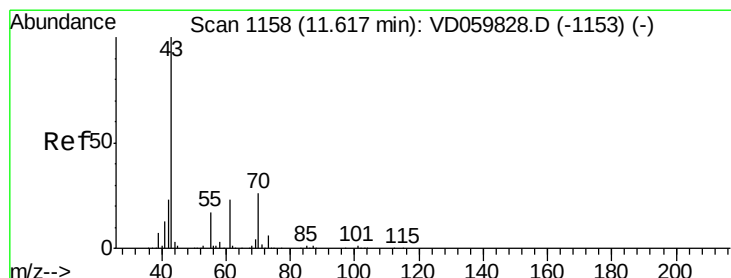
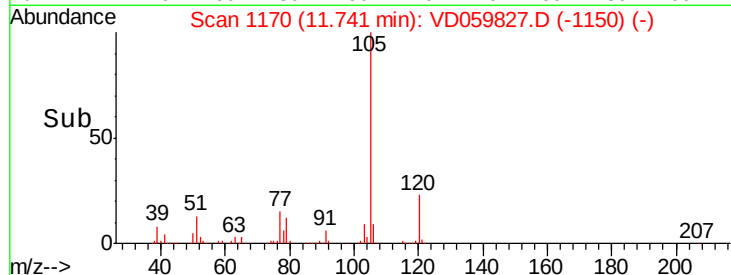
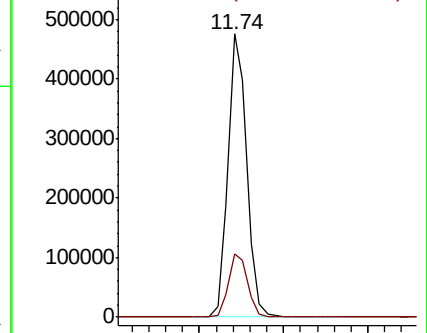
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.49 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion: 43 Resp: 311523

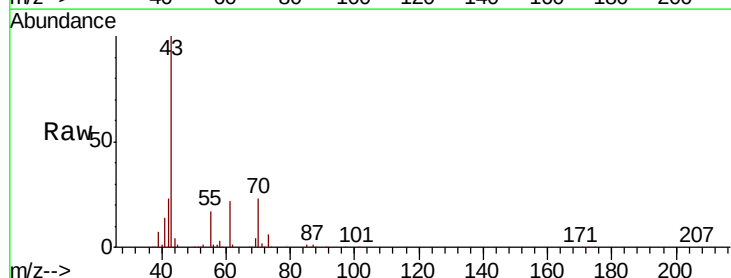
Ion Ratio Lower Upper

43 100

70 23.2 20.5 30.7

55 16.7 13.7 20.5

61 21.8 18.0 27.0

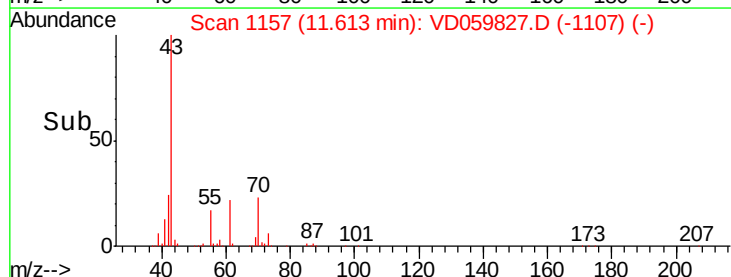
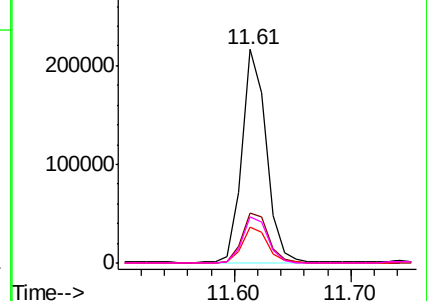


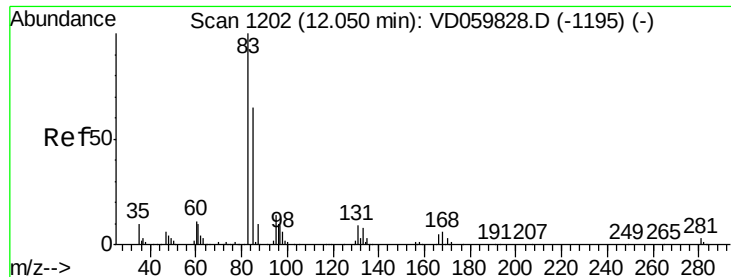
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.94 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

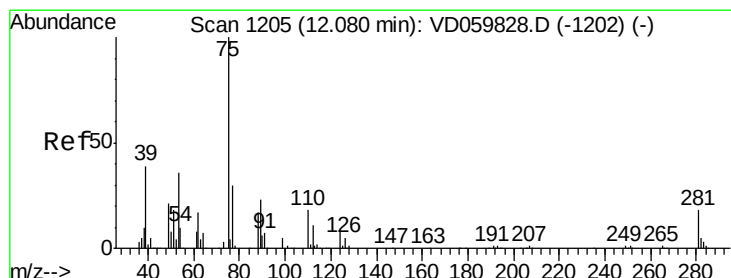
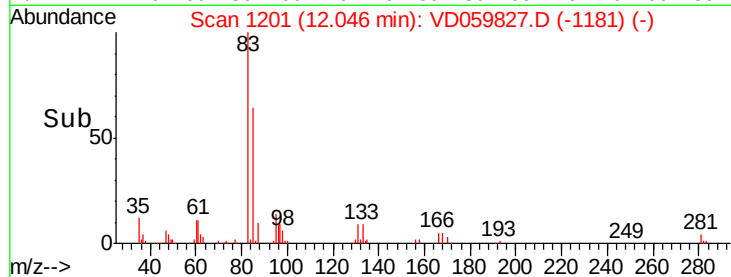
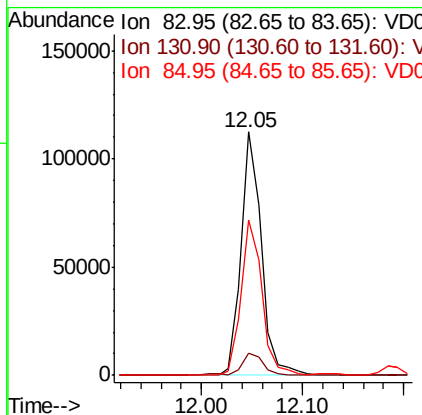
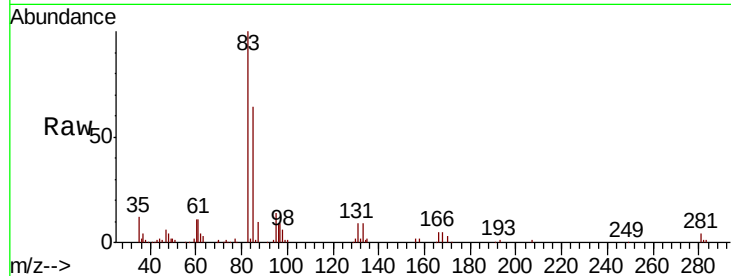
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	157466
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.3	13.1
85	63.6	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.66 ug/l

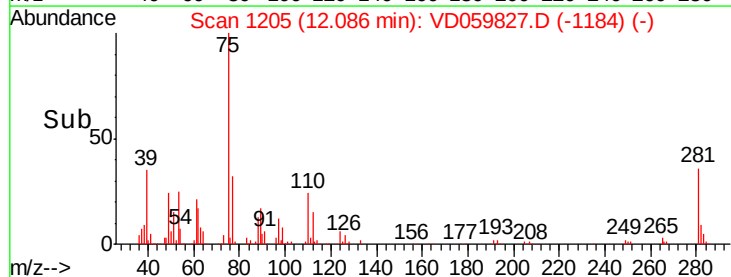
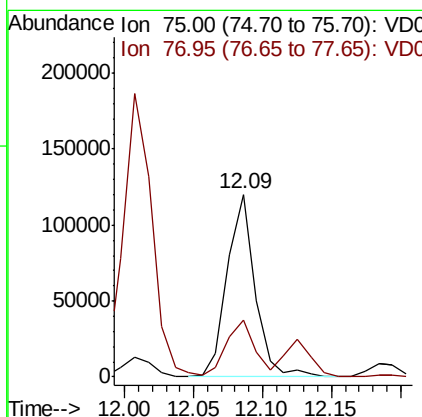
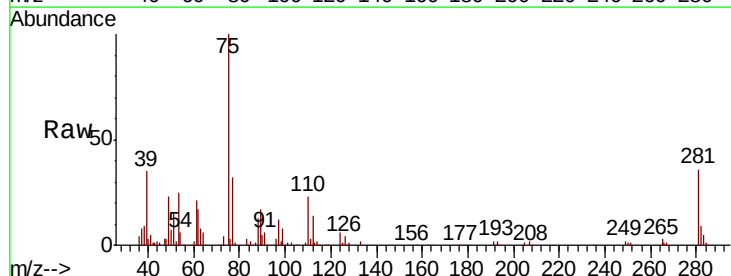
RT: 12.09 min Scan# 1205

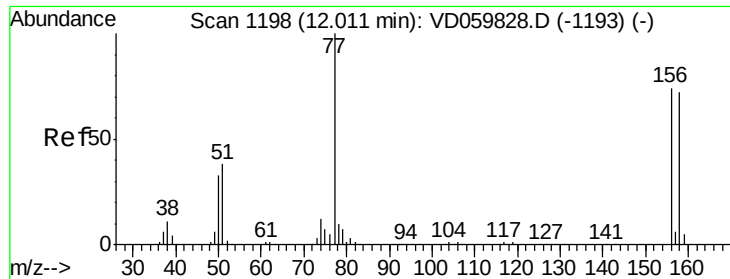
Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	75	Resp:	170258
Ion Ratio	Lower	Upper	
75	100		
77	31.5	16.0	47.9





#77

Bromobenzene

Concen: 19.14 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

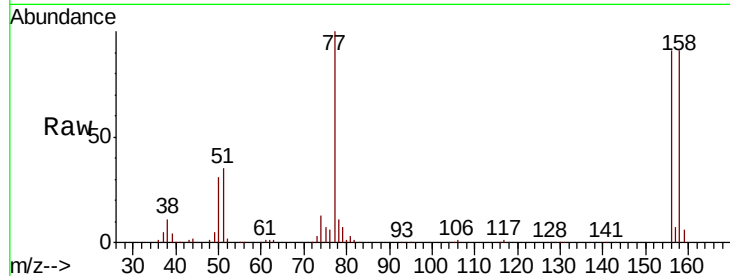
ClientSampleId :

VSTDIC020

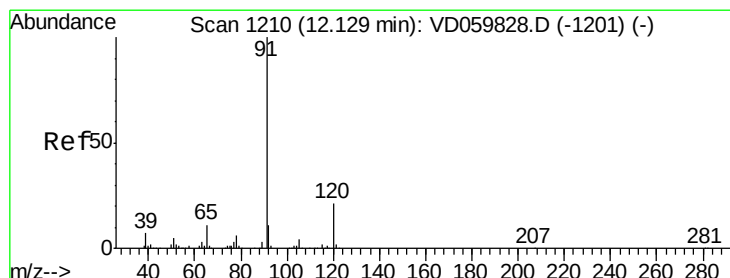
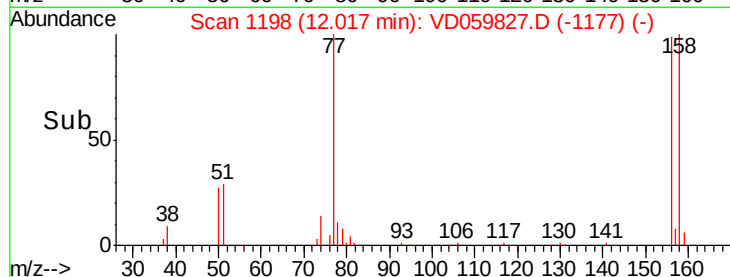
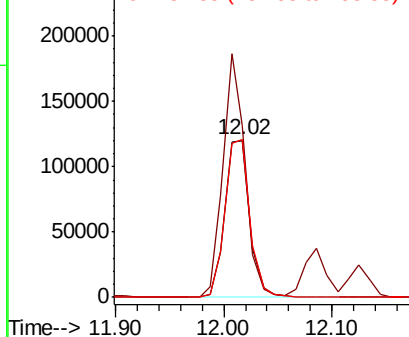
Tot Ion:	156	Resp:	192166
Ion Ratio	Lower	Upper	
156	100		
77	109.8	68.0	204.0
158	100.2	48.9	146.8

Manual Integrations
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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: 20.02 ug/l

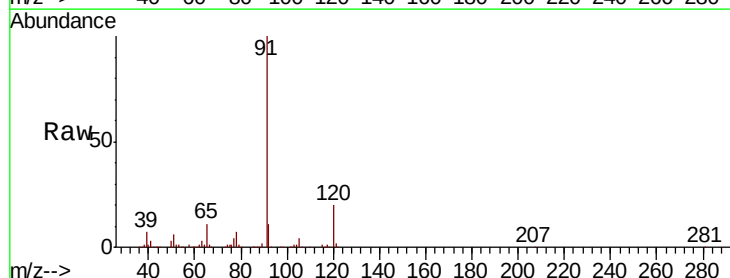
RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

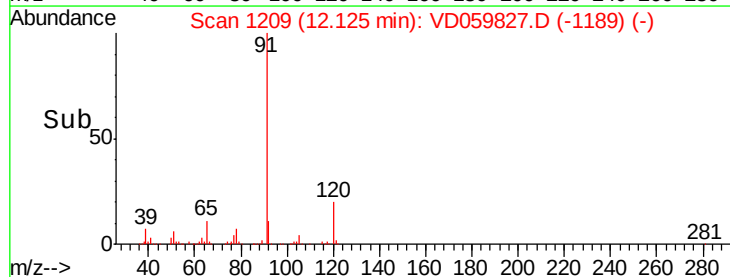
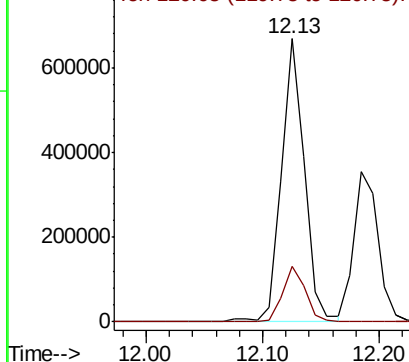
Lab File: VD059827.D

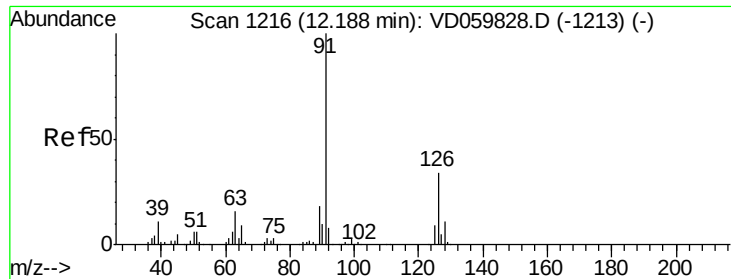
Acq: 20 Aug 2018 12:59

Tgt Ion:	91	Resp:	909217
Ion Ratio	Lower	Upper	
91	100		
120	19.6	10.5	31.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.88 ug/l

RT: 12.18 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 515619

Ion Ratio Lower Upper

91 100

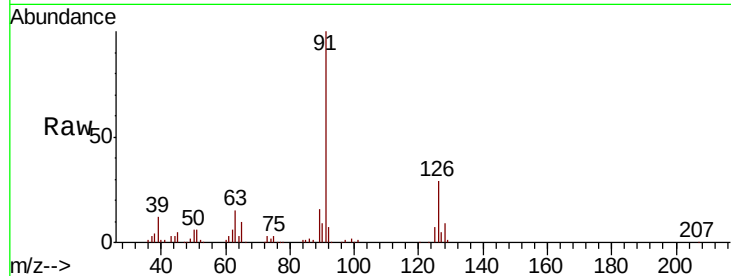
126 29.4 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD059827.D (-1213) (-)

Ion 125.95 (125.65 to 126.65): VD059827.D (-1213) (-)

800000

600000

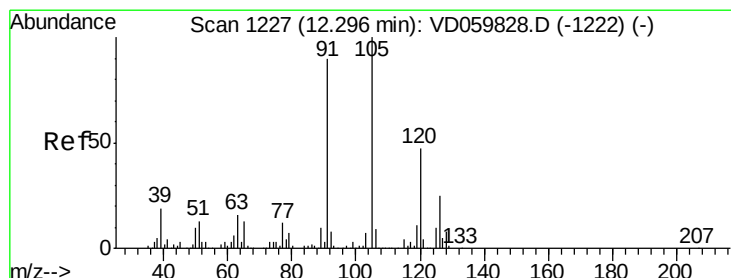
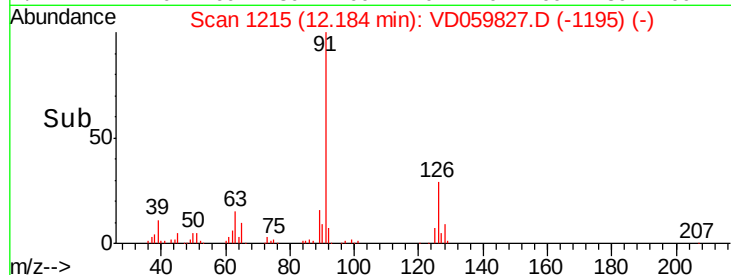
400000

200000

0

12.15 12.20 12.25

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.37 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059827.D

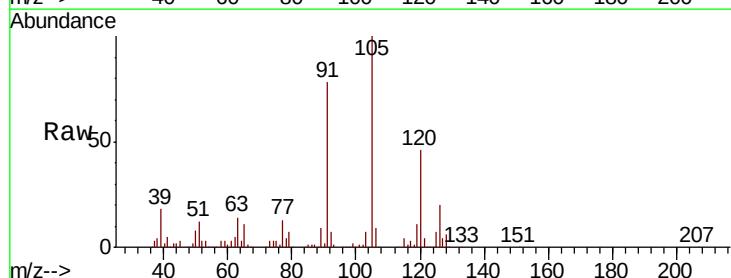
Acq: 20 Aug 2018 12:59

Tgt Ion: 105 Resp: 579452

Ion Ratio Lower Upper

105 100

120 45.6 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): VD059827.D (-1206) (-)

Ion 120.05 (119.75 to 120.75): VD059827.D (-1206) (-)

500000

400000

300000

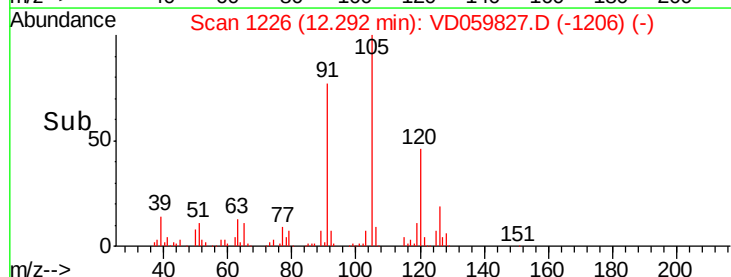
200000

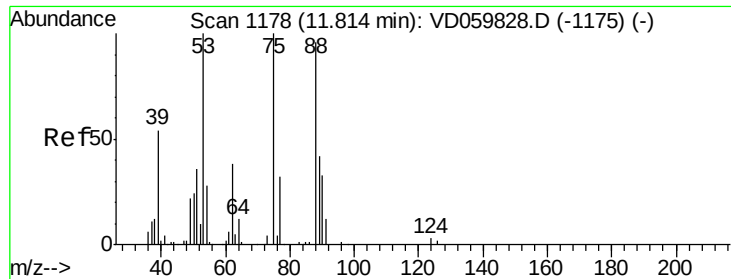
100000

0

12.20 12.30 12.40

Time-->





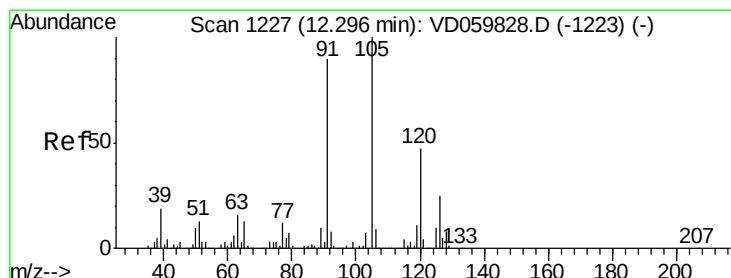
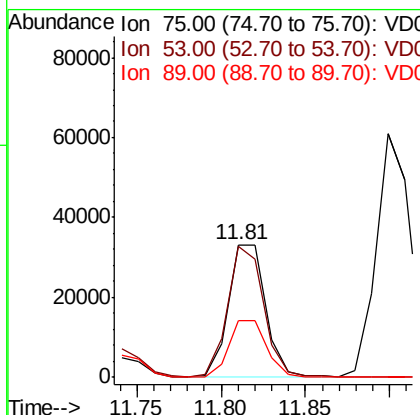
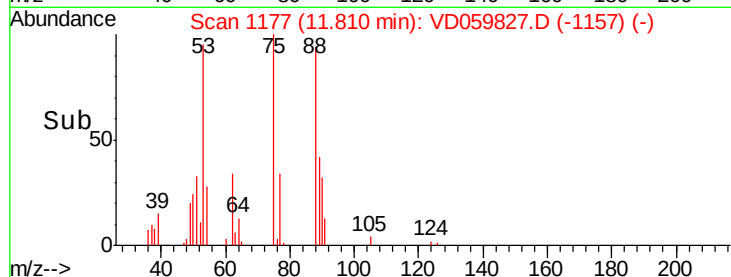
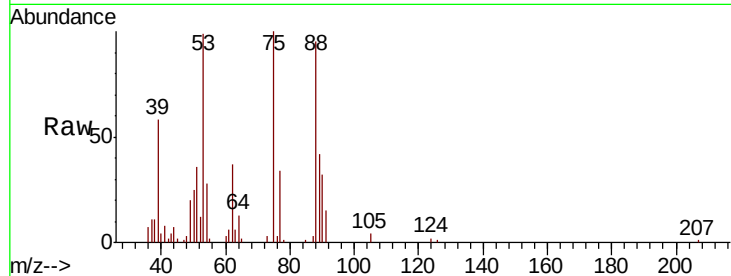
#81
trans-1,4-Dichloro-2-butene
Concen: 19.10 ug/l
RT: 11.81 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.7	121.1
89	42.4	33.9	50.9

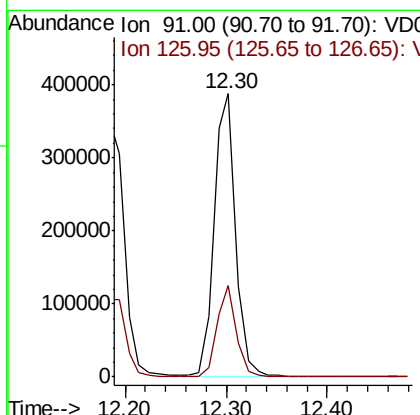
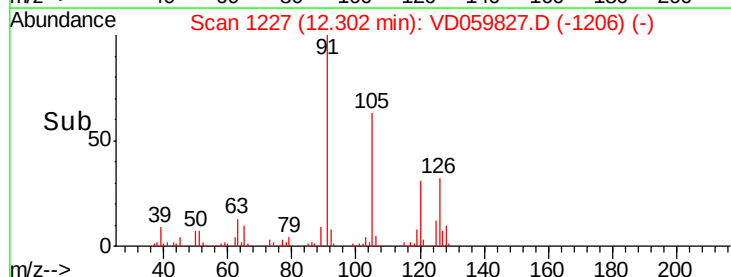
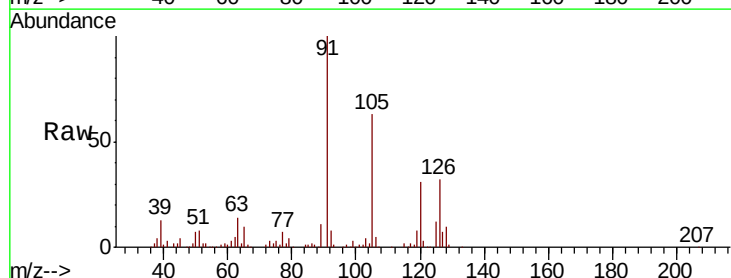
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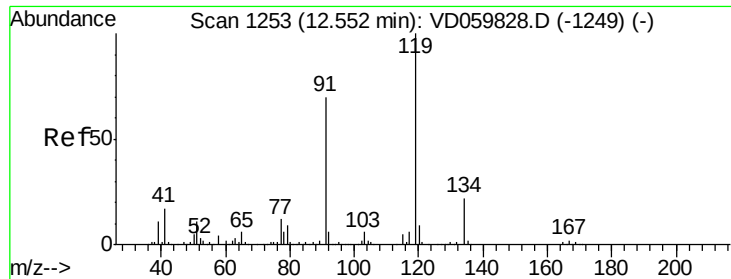
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#82
4-Chlorotoluene
Concen: 21.27 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	13.7	41.0





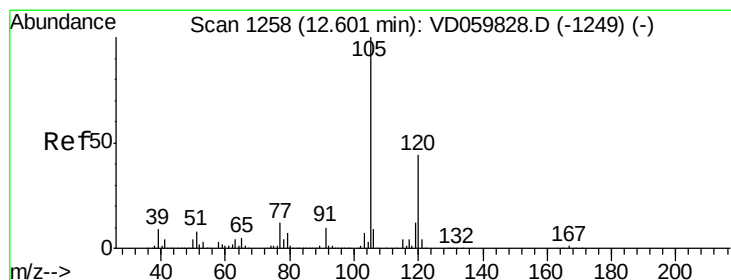
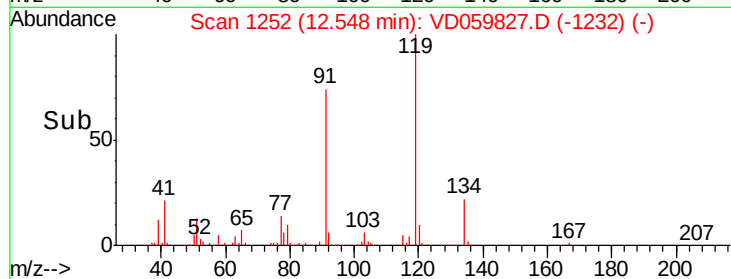
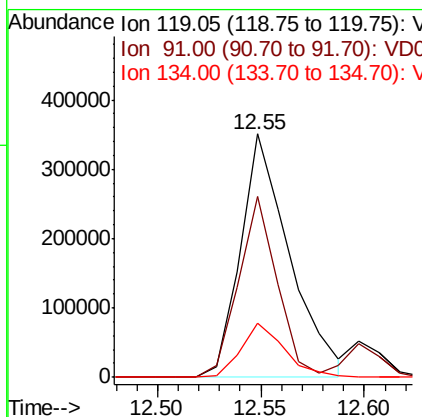
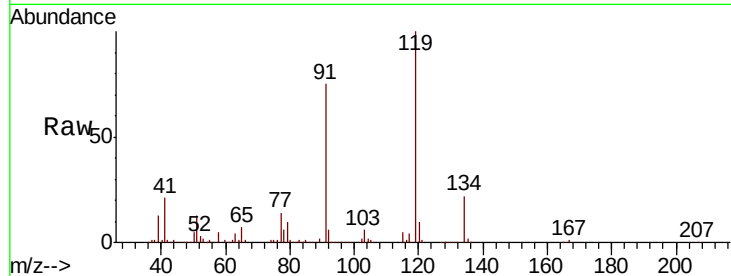
#83
 tert-Butylbenzene
 Concen: 18.04 ug/l m
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	574890		
91	74.5		35.1	105.3
134	22.0		11.0	33.0

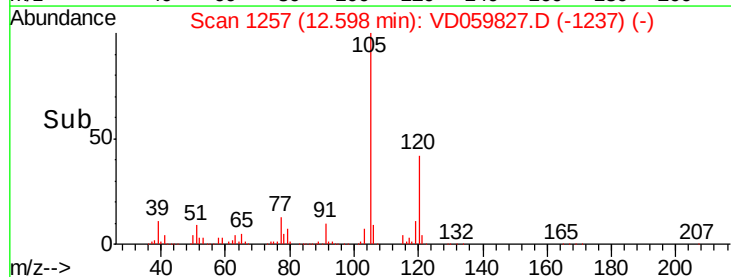
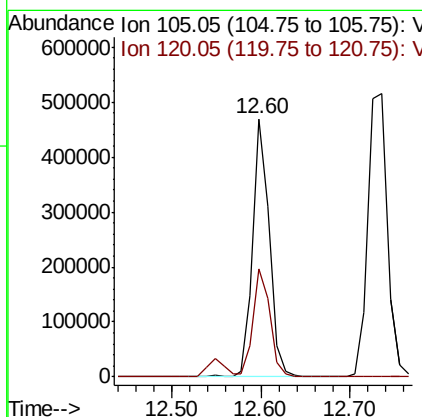
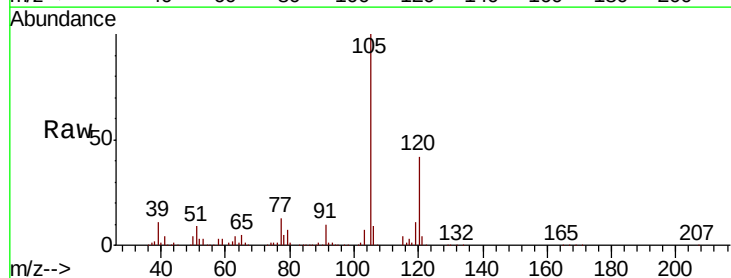
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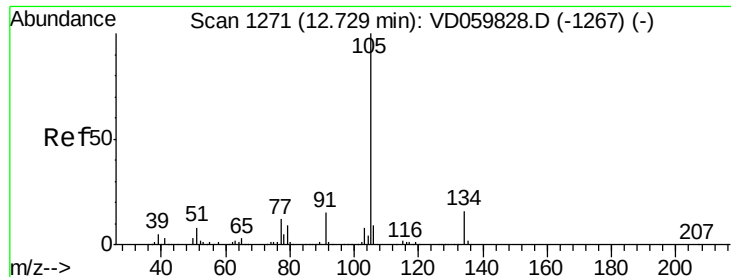
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.13 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	604075		
120	42.0		22.0	66.0





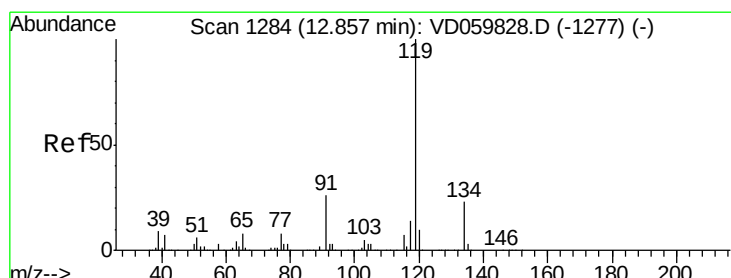
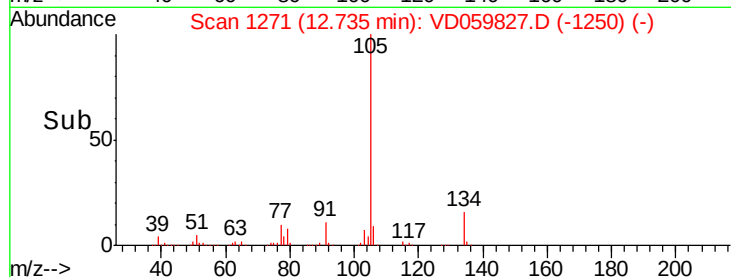
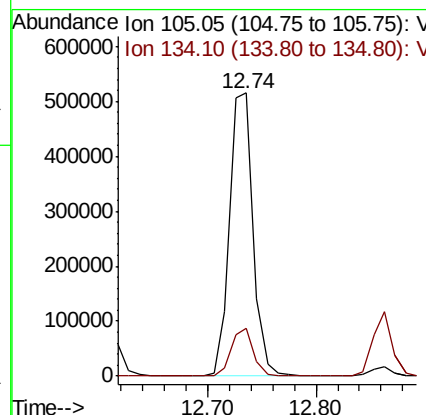
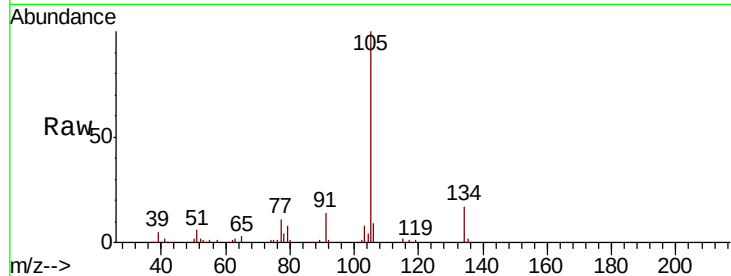
#85
 sec-Butylbenzene
 Concen: 20.33 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.0	7.8	23.5

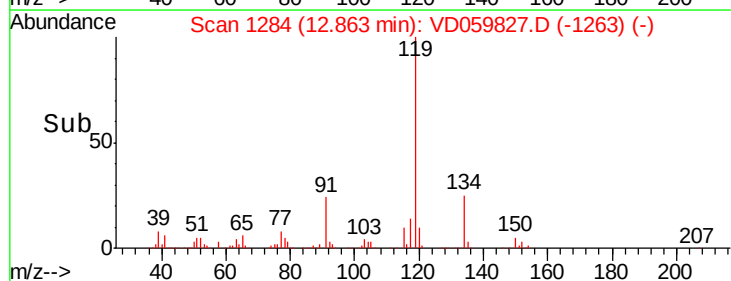
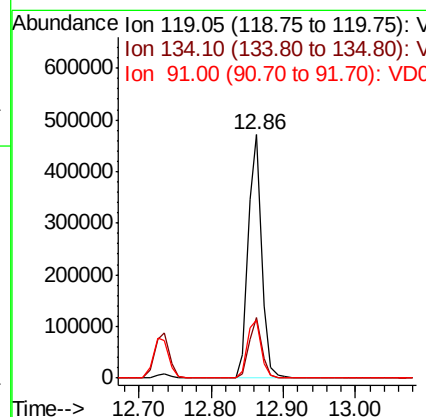
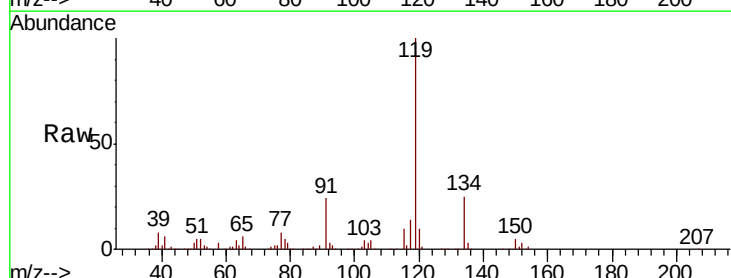
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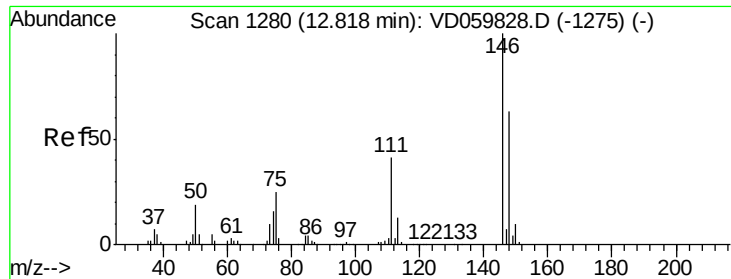
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#86
 p-Isopropyltoluene
 Concen: 20.43 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	11.5	34.5
91	23.9	13.2	39.6





#87

1,3-Dichlorobenzene

Concen: 20.44 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

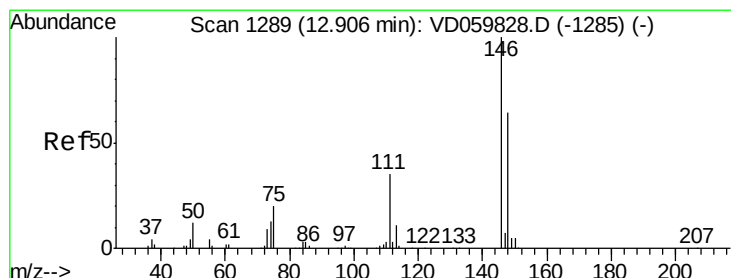
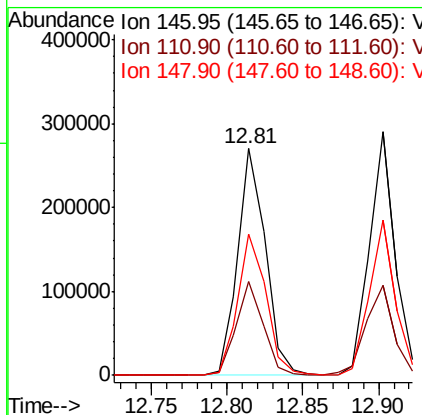
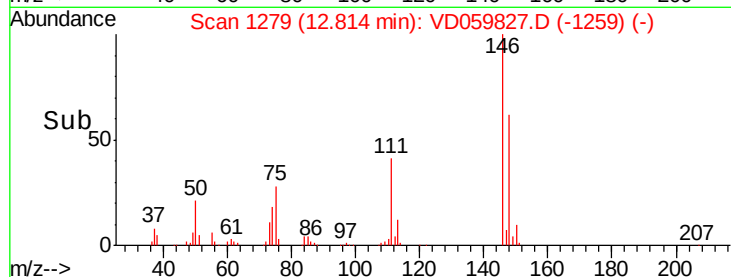
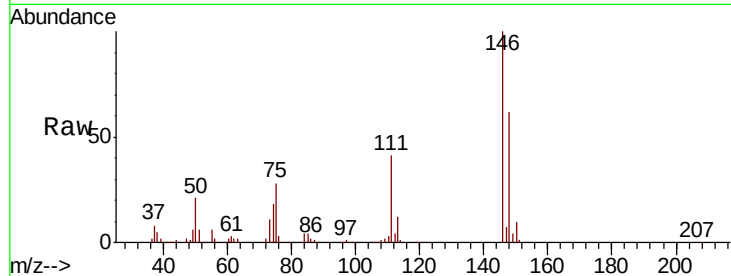
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	346019
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.3	60.9
148	62.0	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 20.26 ug/l

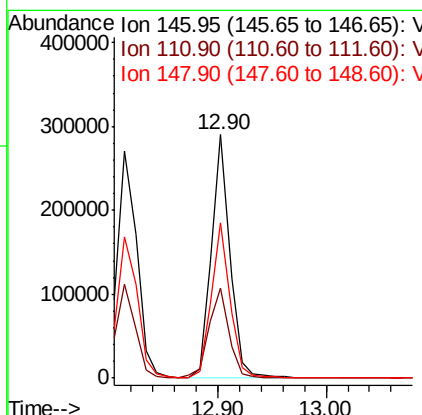
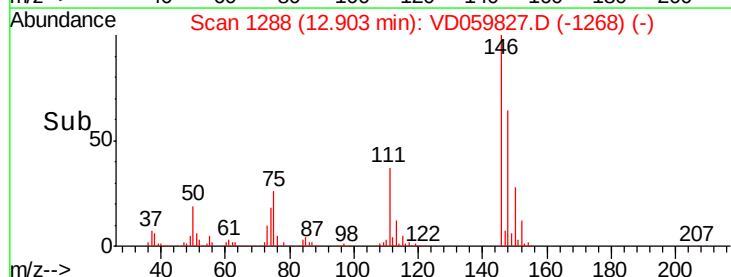
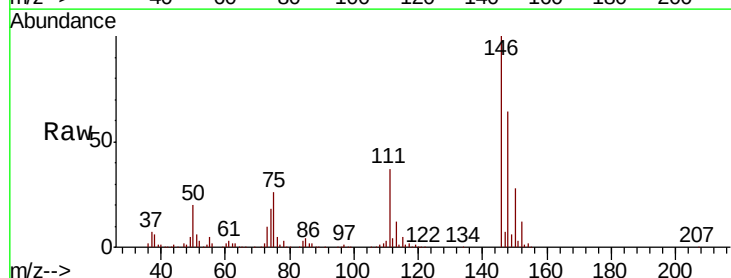
RT: 12.90 min Scan# 1288

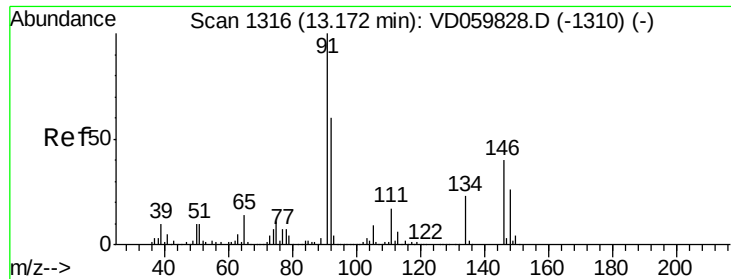
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	146	Resp:	345065
Ion Ratio	Lower	Upper	
146	100		
111	37.2	17.8	53.3
148	63.8	31.9	95.9





#89

n-Butylbenzene

Concen: 21.28 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

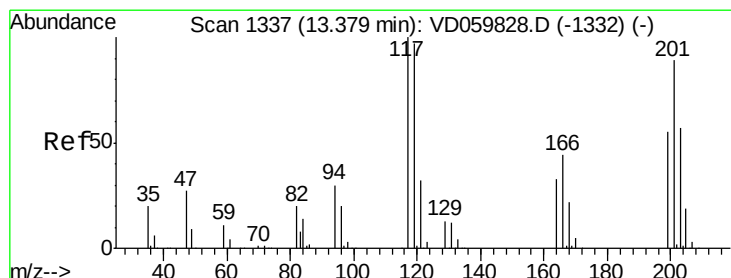
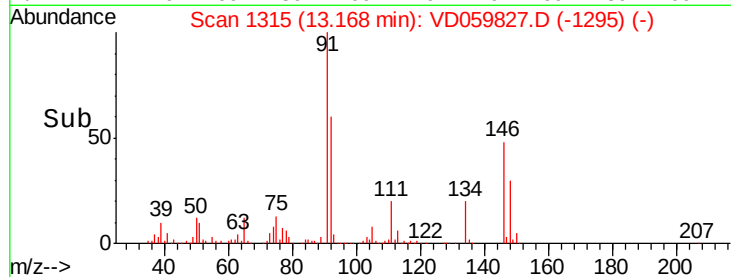
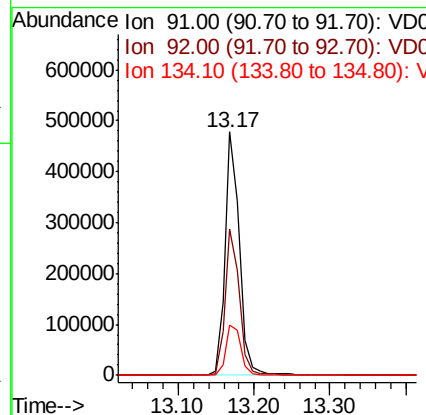
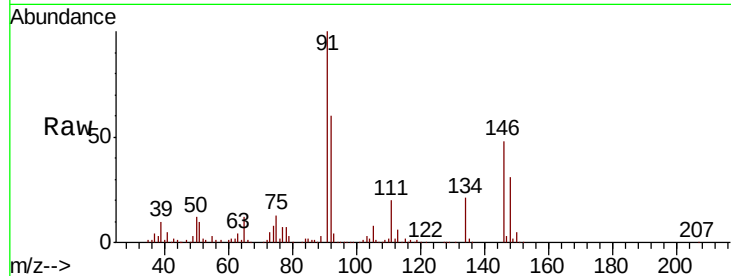
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	640631
Ion Ratio	Lower	Upper	
91	100		
92	60.1	29.8	89.5
134	20.5	11.5	34.4

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#90

Hexachloroethane

Concen: 19.87 ug/l

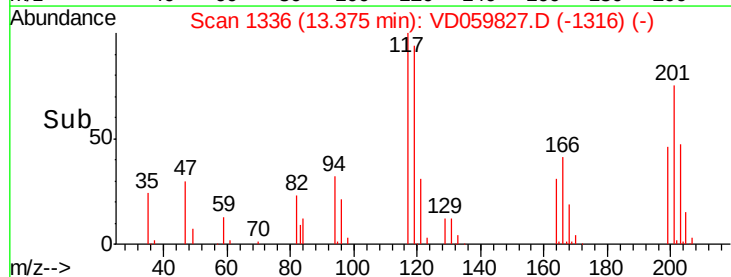
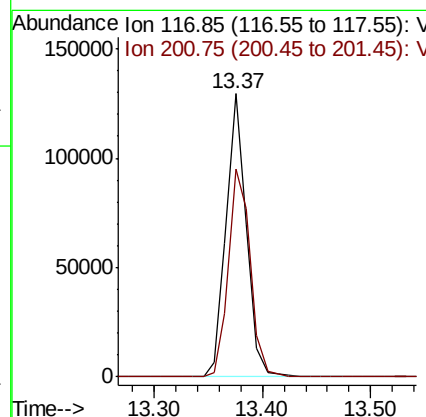
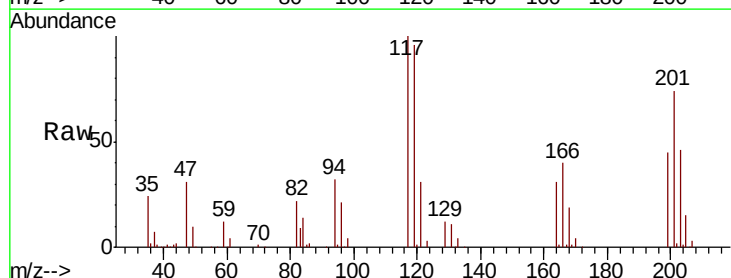
RT: 13.37 min Scan# 1336

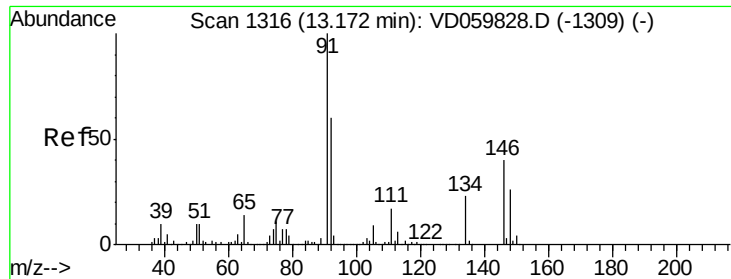
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	117	Resp:	168465
Ion Ratio	Lower	Upper	
117	100		
201	73.6	44.6	134.0





#91

1,2-Dichlorobenzene

Concen: 21.73 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

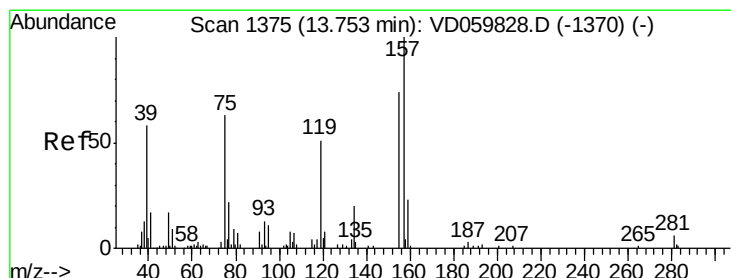
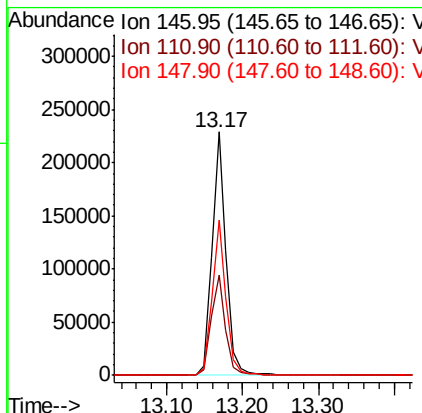
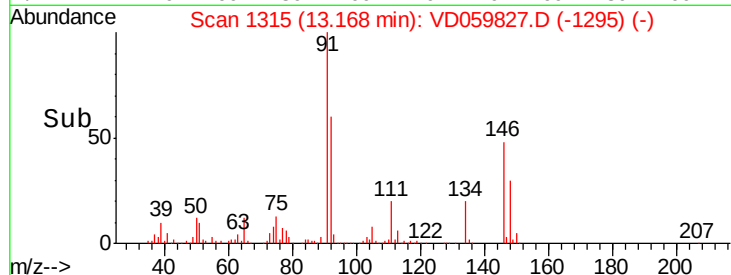
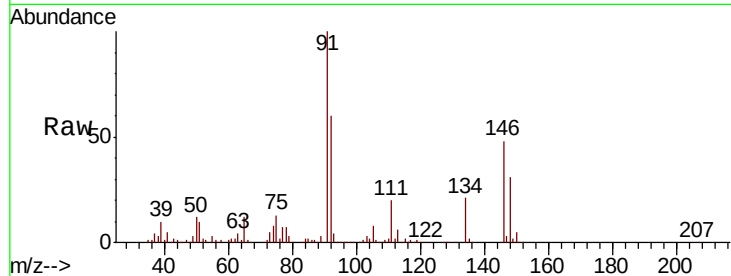
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	299473
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.9	62.8
148	63.9	31.6	94.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.31 ug/l

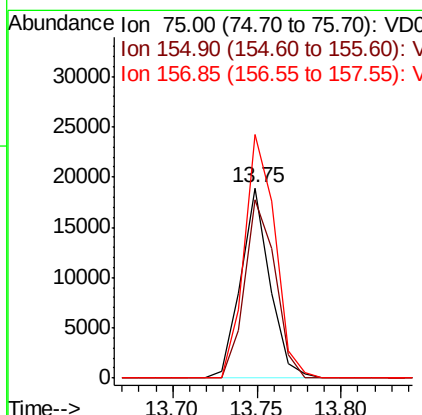
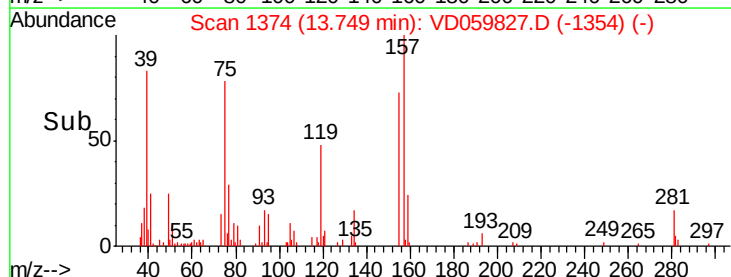
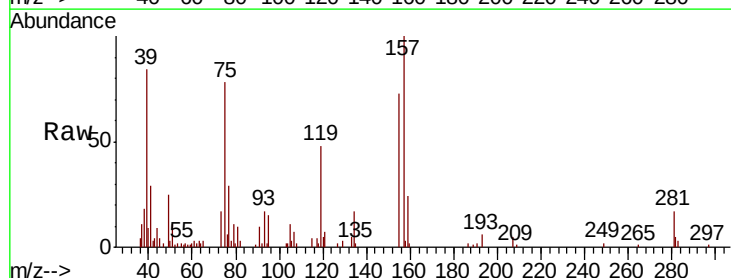
RT: 13.75 min Scan# 1374

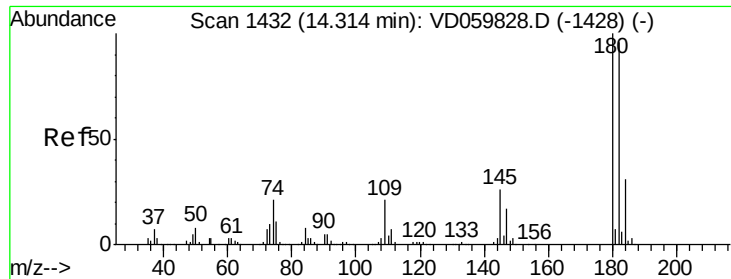
Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion:	75	Resp:	22550
Ion Ratio	Lower	Upper	
75	100		
155	93.6	59.1	177.3
157	128.0	79.7	238.9





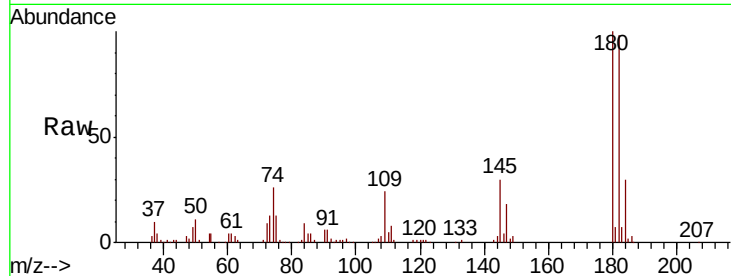
#93
 1,2,4-Trichlorobenzene
 Concen: 19.83 ug/l
 RT: 14.31 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243905		
182	98.2	48.0	144.0	
145	29.6	13.1	39.1	

Manual Integrations
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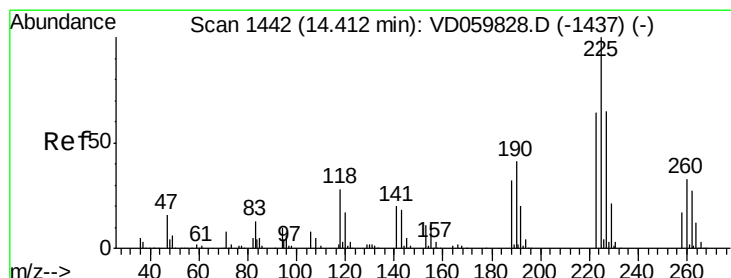
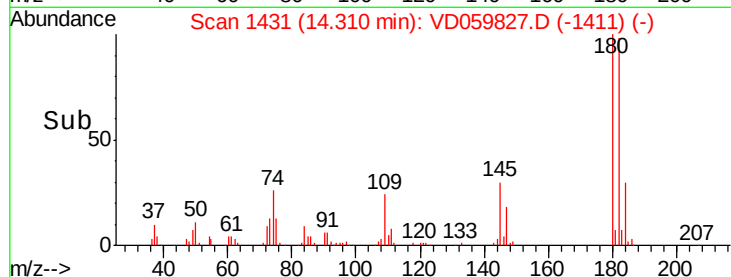
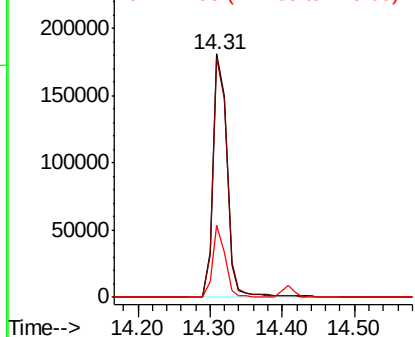


Abundance

Ion 179.85 (179.55 to 180.55): V

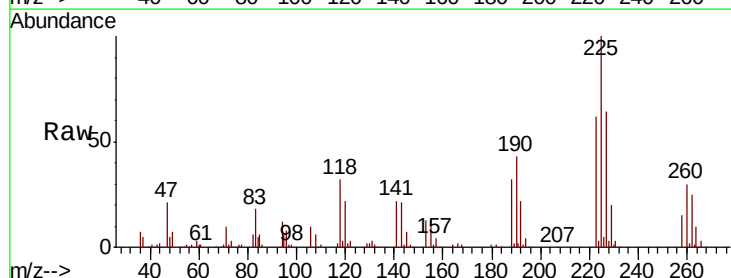
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 19.76 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161457		
223	62.3	31.8	95.4	
227	63.5	32.8	98.3	

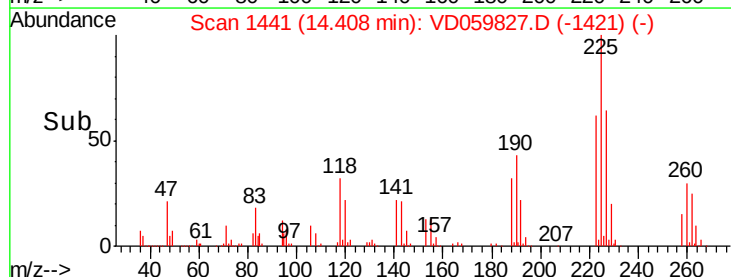
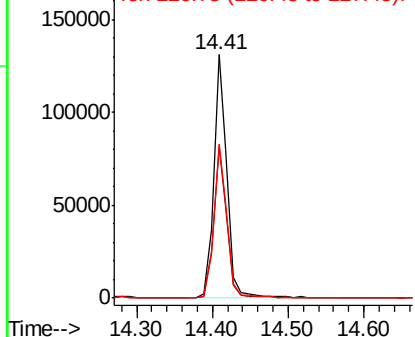


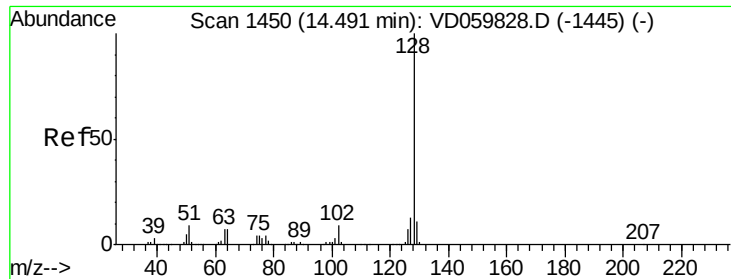
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





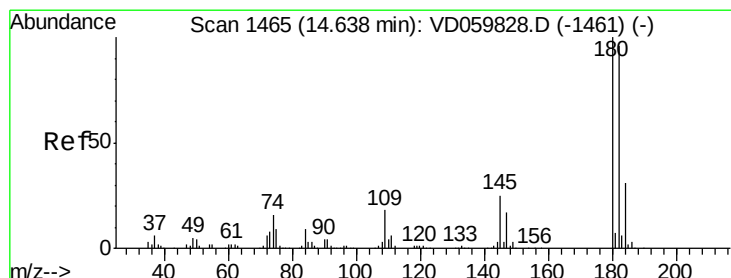
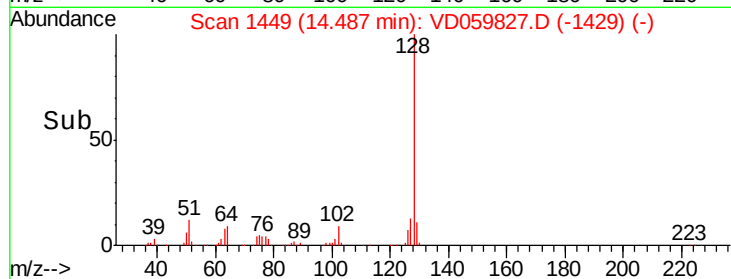
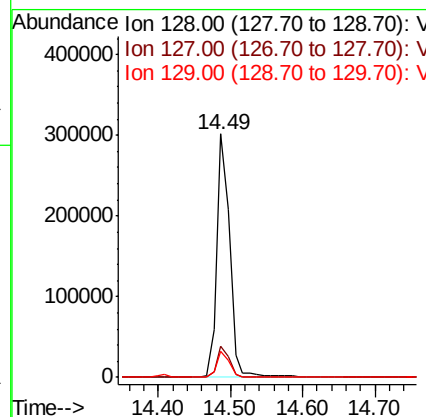
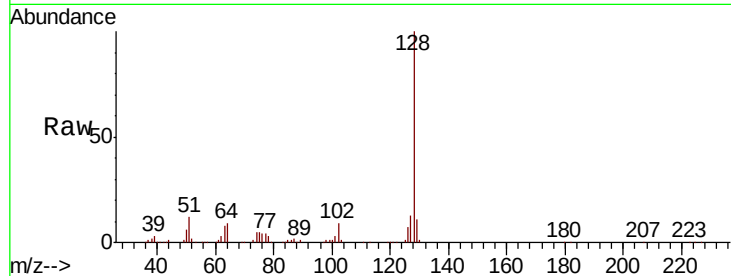
#95
Naphthalene
Concen: 18.93 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.52 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.8	143.4
145	26.4	12.7	38.0

