

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059826.D
 Acq On : 20 Aug 2018 12:30
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:24 AM

Quant Time: Aug 21 04:27:11 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	966004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1395101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1113244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	529193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	79810	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
35) Dibromofluoromethane	5.50	113	106912	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	
50) Toluene-d8	8.66	98	286766	10.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.36%	
62) 4-Bromofluorobenzene	11.90	95	116790	10.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.32	85	76935	9.27	ug/l	100
3) Chloromethane	1.46	50	64152	9.32	ug/l	99
4) Vinyl Chloride	1.54	62	51747	9.28	ug/l	100
5) Bromomethane	1.77	94	8563	11.39	ug/l	99
6) Chloroethane	1.86	64	15265	10.94	ug/l	92
7) Trichlorofluoromethane	2.06	101	57475	9.87	ug/l	96
8) Diethyl Ether	2.31	74	13010	10.15	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	36172	9.92	ug/l	94
10) Methyl Iodide	2.66	142	29586	7.85	ug/l #	97
11) Tert butyl alcohol	3.21	59	14887	51.19	ug/l #	86
12) 1,1-Dichloroethene	2.51	96	28724	10.07	ug/l	96
13) Acrolein	2.43	56	12709	46.38	ug/l	95
14) Allyl chloride	2.89	41	72799	9.63	ug/l	97
15) Acrylonitrile	3.33	53	71686	54.59	ug/l	97
16) Acetone	2.58	43	58990	44.95	ug/l	99
17) Carbon Disulfide	2.73	76	78713	8.24	ug/l	99
18) Methyl Acetate	2.90	43	25231	8.81	ug/l	93
19) Methyl tert-butyl Ether	3.36	73	172400	10.31	ug/l	100
20) Methylene Chloride	3.03	84	45916	10.32	ug/l	96
21) trans-1,2-Dichloroethene	3.35	96	82541	10.35	ug/l	99
22) Diisopropyl ether	4.02	45	396425	10.18	ug/l	99
23) Vinyl Acetate	3.97	43	1126574	53.59	ug/l	100
24) 1,1-Dichloroethane	3.93	63	169012	9.93	ug/l	98
25) 2-Butanone	4.78	43	182601	46.33	ug/l	97
26) 2,2-Dichloropropane	4.76	77	143688	10.64	ug/l	96
27) cis-1,2-Dichloroethene	4.76	96	102216	9.96	ug/l	95
28) Bromochloromethane	5.10	49	92658	10.62	ug/l	98
29) Tetrahydrofuran	5.14	42	101896	51.55	ug/l	98
30) Chloroform	5.28	83	170615	10.18	ug/l	99
31) Cyclohexane	5.54	56	154767	9.95	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	141738	10.02	ug/l	99
36) 1,1-Dichloropropene	5.70	75	122154	10.18	ug/l	98
37) Ethyl Acetate	4.87	43	89516	10.25	ug/l	99
38) Carbon Tetrachloride	5.68	117	124029	10.39	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	117985	9.25	ug/l	94
40) Benzene	5.97	78	307319	9.92	ug/l	100
41) Methacrylonitrile	5.07	41	43066	9.58	ug/l	97
42) 1,2-Dichloroethane	6.08	62	100103	10.06	ug/l	98
43) Isopropyl Acetate	7.57	43	118934	9.93	ug/l #	97
44) Trichloroethene	6.93	130	91029	9.97	ug/l	99
45) 1,2-Dichloropropane	7.30	63	88660	9.87	ug/l	98
46) Dibromomethane	7.41	93	55783	10.00	ug/l	97
47) Bromodichloromethane	7.70	83	123486	9.97	ug/l	100
48) Methyl methacrylate	7.46	41	65610	9.79	ug/l	98
49) 1,4-Dioxane	7.45	88	11172	200.13	ug/l #	75
51) 4-Methyl-2-Pentanone	8.55	43	393110	47.70	ug/l	98
52) Toluene	8.76	92	198366	10.09	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	110573	9.80	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	133597	9.87	ug/l	96
55) 1,1,2-Trichloroethane	9.41	97	70077	10.02	ug/l	94
56) Ethyl methacrylate	9.27	69	81767	10.17	ug/l	97
57) 1,3-Dichloropropane	9.63	76	103897	10.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	224085	54.26	ug/l	100
59) 2-Hexanone	9.74	43	290658	47.89	ug/l	98
60) Dibromochloromethane	9.92	129	89236	9.92	ug/l	97
61) 1,2-Dibromoethane	10.05	107	72642	9.76	ug/l	99
64) Tetrachloroethene	9.47	164	79743	9.75	ug/l	99
65) Chlorobenzene	10.69	112	226528	10.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	80791	10.80	ug/l	97
67) Ethyl Benzene	10.83	91	392303	11.04	ug/l	96
68) m/p-Xylenes	10.98	106	283101	21.76	ug/l	96
69) o-Xylene	11.38	106	131506	10.34	ug/l	96
70) Styrene	11.40	104	233248	10.59	ug/l	98
71) Bromoform	11.58	173	64686	9.89	ug/l	99
73) Isopropylbenzene	11.74	105	365651	10.13	ug/l	98
74) N-amyl acetate	11.61	43	155721	9.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	83211	10.03	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	83653	9.67	ug/l	97
77) Bromobenzene	12.01	156	97087	9.69	ug/l	89
78) n-propylbenzene	12.13	91	475788	10.49	ug/l	97
79) 2-Chlorotoluene	12.19	91	260808	10.07	ug/l	94
80) 1,3,5-Trimethylbenzene	12.29	105	299550	11.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	26066	9.74	ug/l	98
82) 4-Chlorotoluene	12.30	91	297458	11.05	ug/l	95
83) tert-Butylbenzene	12.55	119	303032m	9.52	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	311866	10.41	ug/l	98
85) sec-Butylbenzene	12.74	105	402566	10.55	ug/l	96
86) p-Isopropyltoluene	12.86	119	317298	10.59	ug/l	95
87) 1,3-Dichlorobenzene	12.81	146	176962	10.47	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	178411	10.49	ug/l	99
89) n-Butylbenzene	13.17	91	349096	11.61	ug/l	98
90) Hexachloroethane	13.38	117	83218	9.83	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	156775	11.40	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.75	75	11756	9.56	ug/l	81

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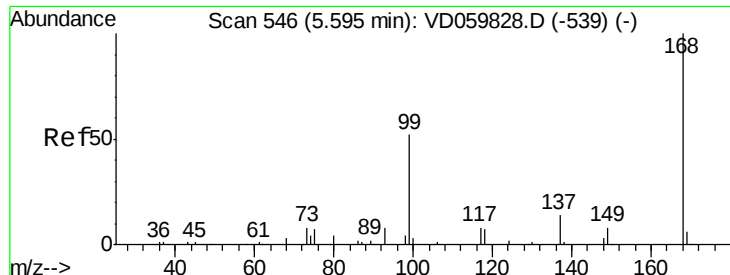
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	127271	10.37	ug/l	100
94) Hexachlorobutadiene	14.41	225	80050	9.81	ug/l	100
95) Naphthalene	14.49	128	192847	9.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	109063	10.23	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: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 966004

Ion Ratio Lower Upper

168 100

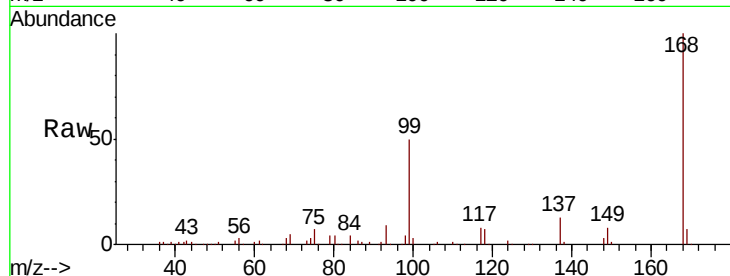
99 50.4 43.6 65.4

Manual Integrations

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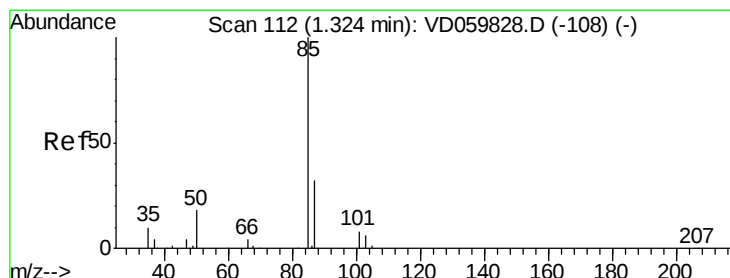
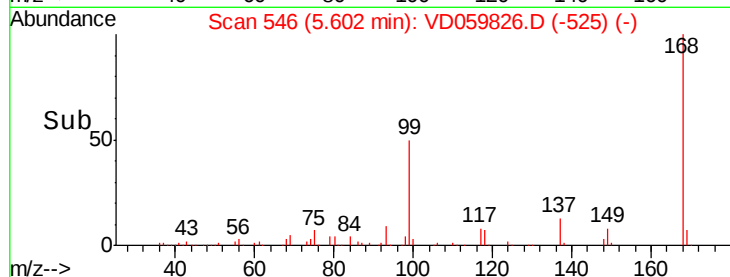
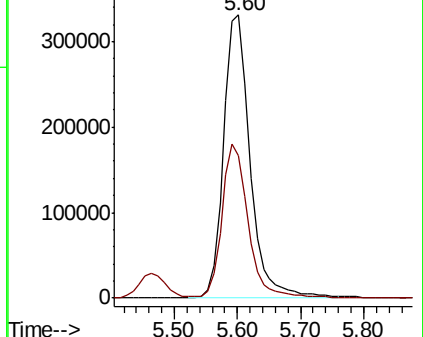
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.27 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059826.D

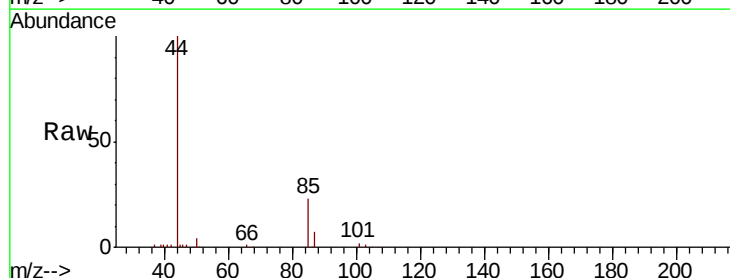
Acq: 20 Aug 2018 12:30

Tgt Ion: 85 Resp: 76935

Ion Ratio Lower Upper

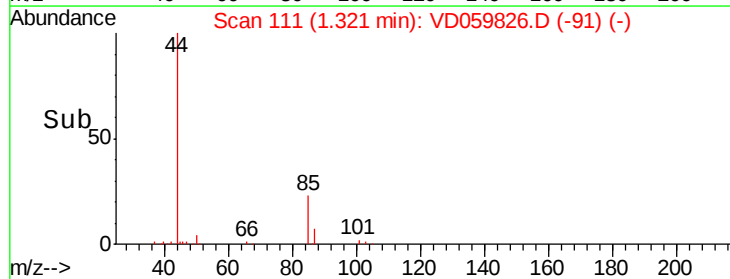
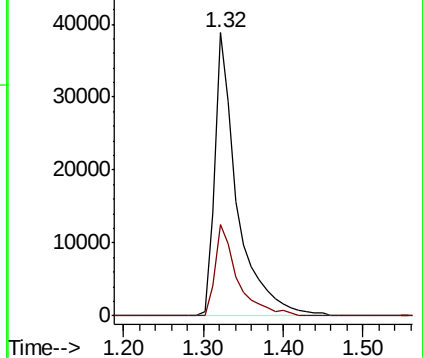
85 100

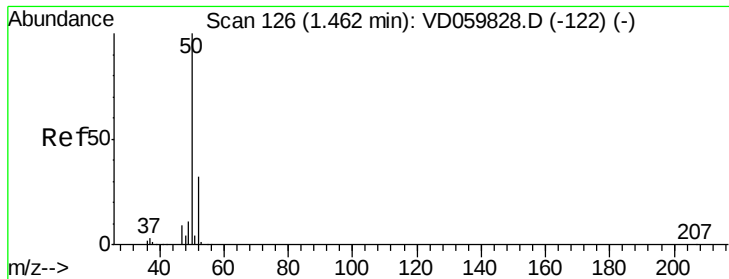
87 32.2 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.32 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 64152

Ion Ratio Lower Upper

50 100

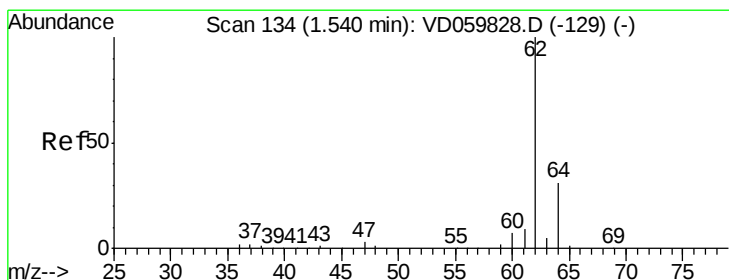
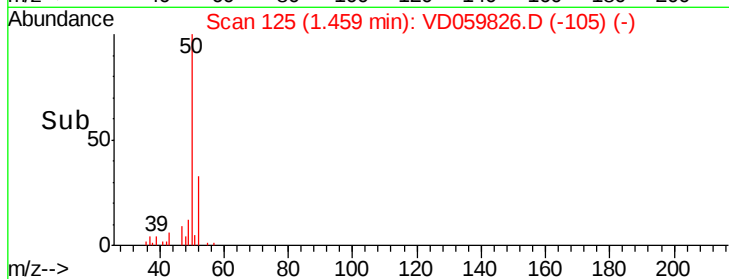
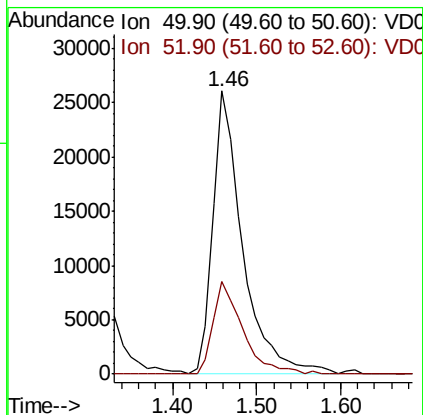
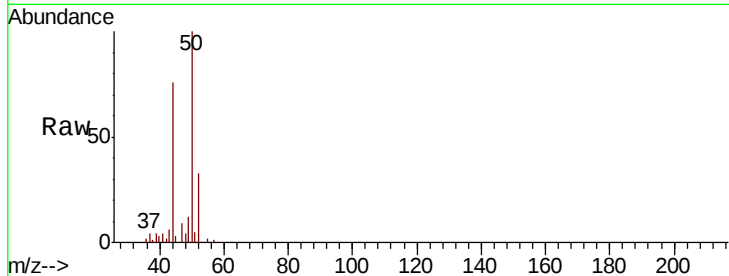
52 32.6 25.4 38.2

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#4

Vinyl Chloride

Concen: 9.28 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059826.D

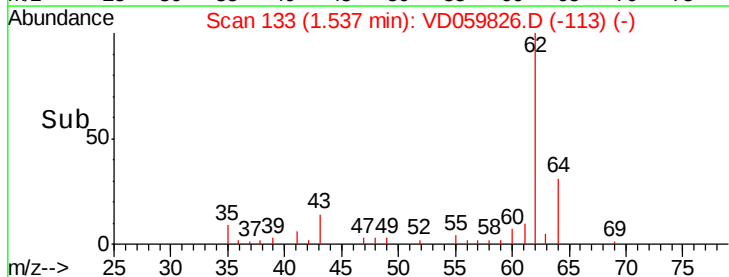
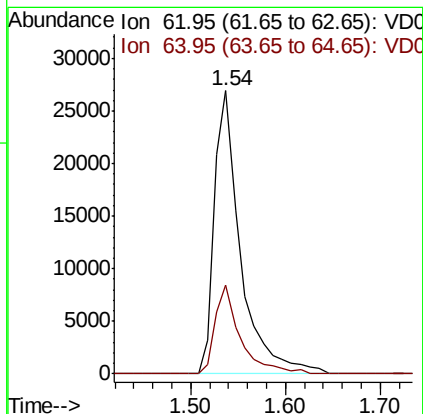
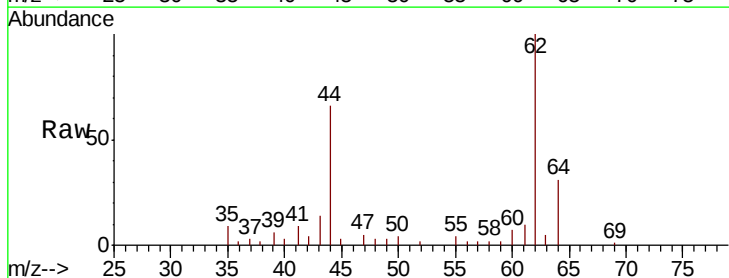
Acq: 20 Aug 2018 12:30

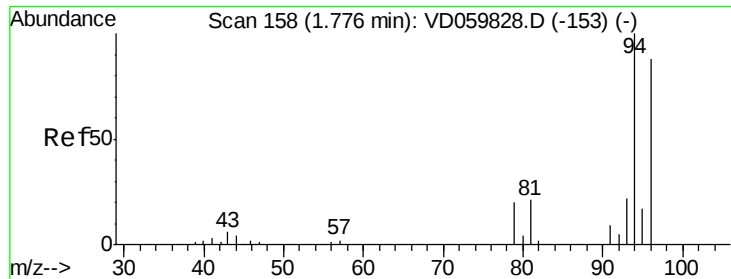
Tgt Ion: 62 Resp: 51747

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 11.39 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

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Tot Ion: 94 Resp: 8563

Ion Ratio Lower Upper

94 100

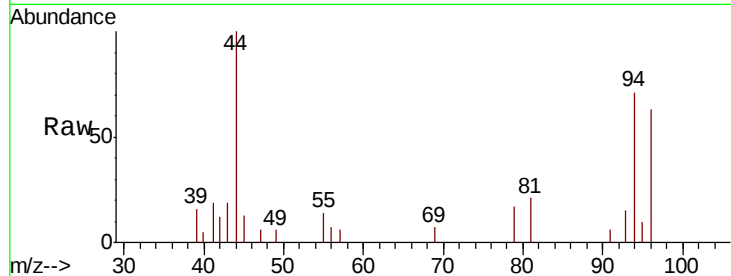
96 89.1 70.8 106.2

Manual Integrations

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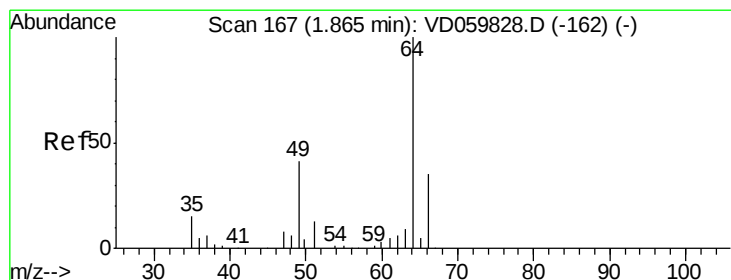
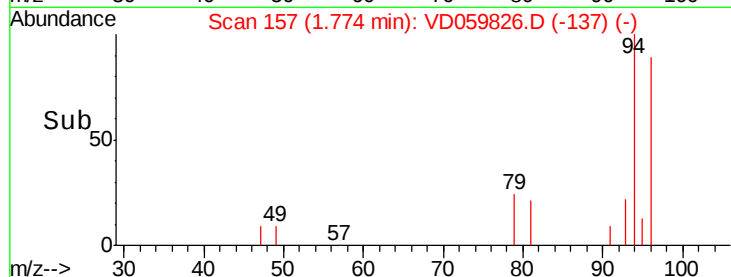
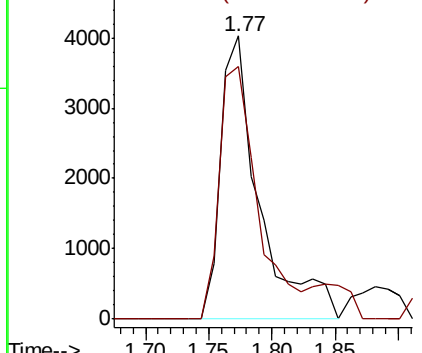
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.94 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059826.D

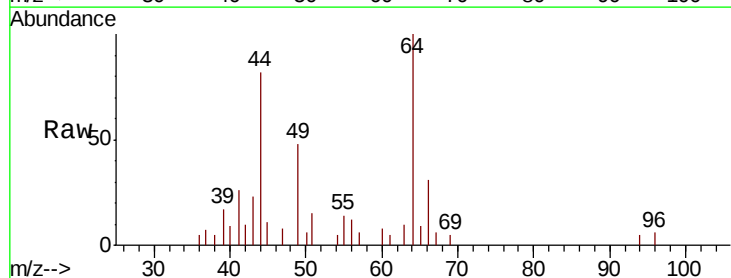
Acq: 20 Aug 2018 12:30

Tgt Ion: 64 Resp: 15265

Ion Ratio Lower Upper

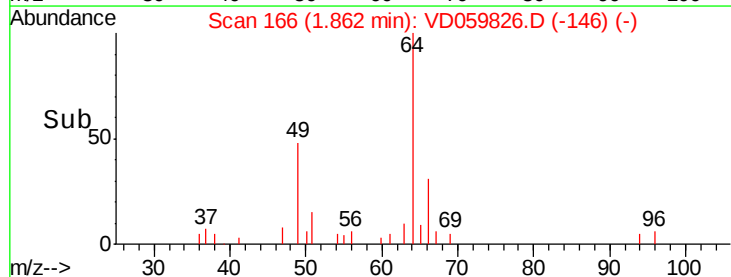
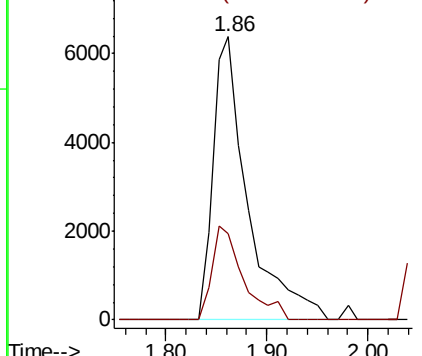
64 100

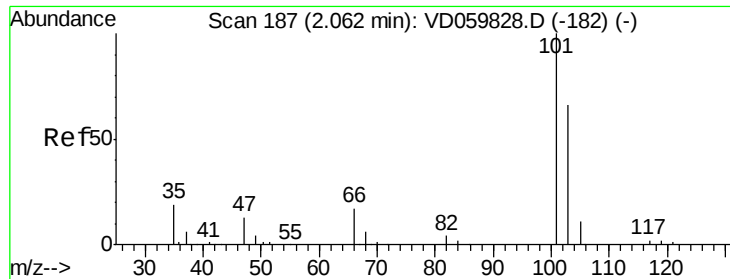
66 30.5 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 9.87 ug/l

RT: 2.06 min Scan# 186

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 57475

Ion Ratio Lower Upper

101 100

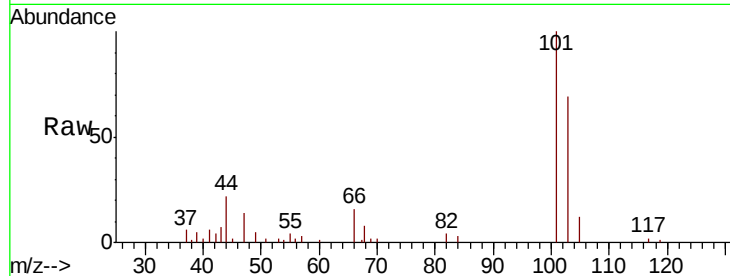
103 69.3 53.0 79.4

Manual Integrations

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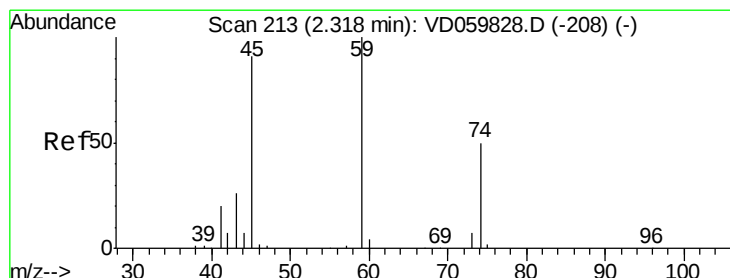
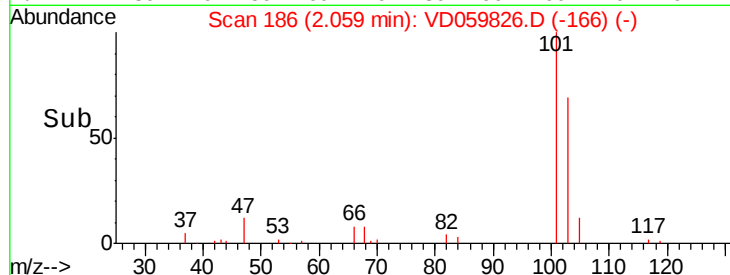
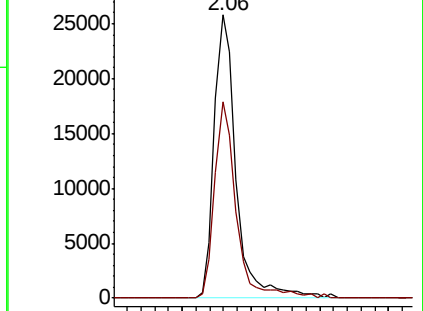
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 10.15 ug/l

RT: 2.31 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD059826.D

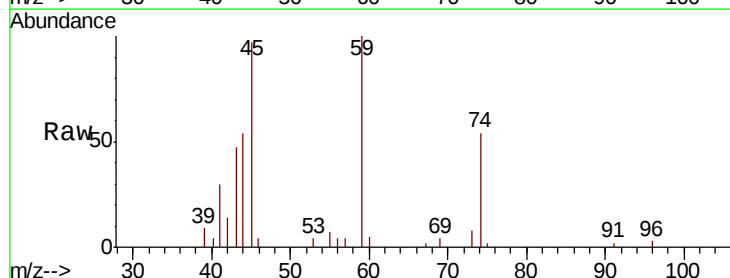
Acq: 20 Aug 2018 12:30

Tgt Ion: 74 Resp: 13010

Ion Ratio Lower Upper

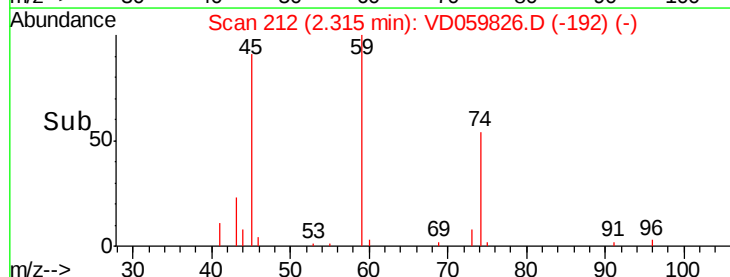
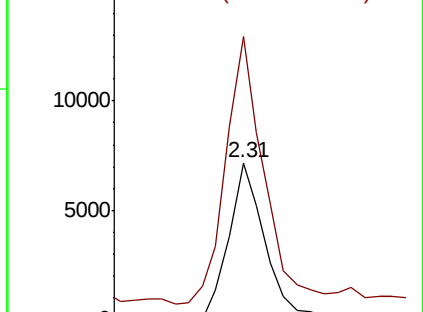
74 100

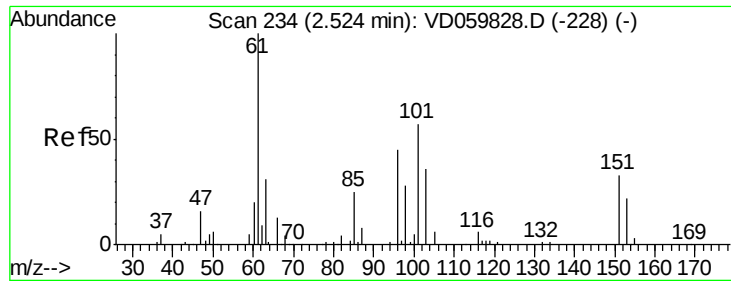
45 180.7 90.6 271.9



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.92 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

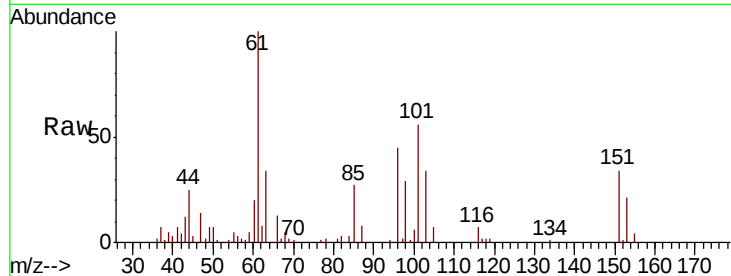
ClientSampleId :

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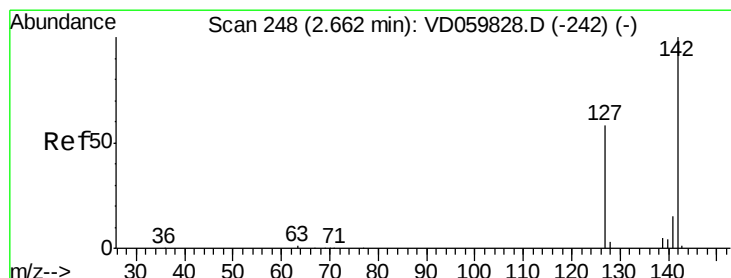
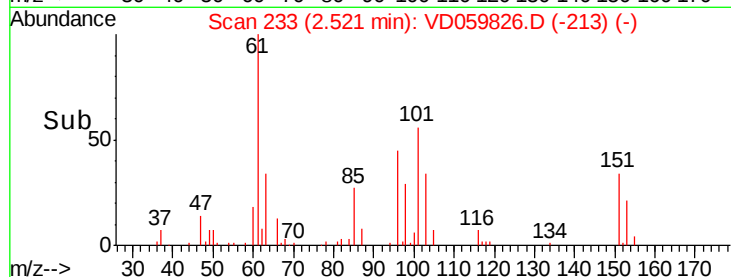
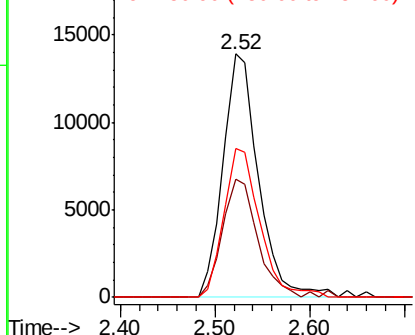
Tot Ion:	101	Resp:	36172
Ion Ratio	Lower	Upper	
101	100		
85	48.4	35.7	53.5
151	61.2	45.8	68.6

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



#10

Methyl Iodide

Concen: 7.85 ug/l

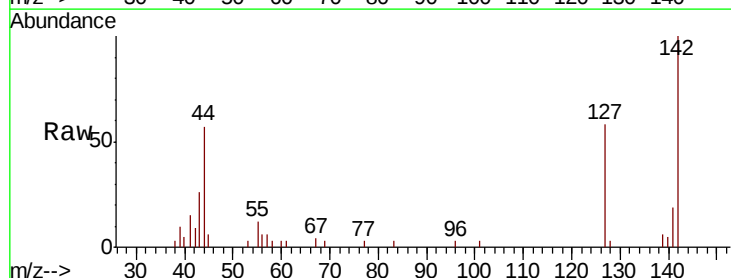
RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

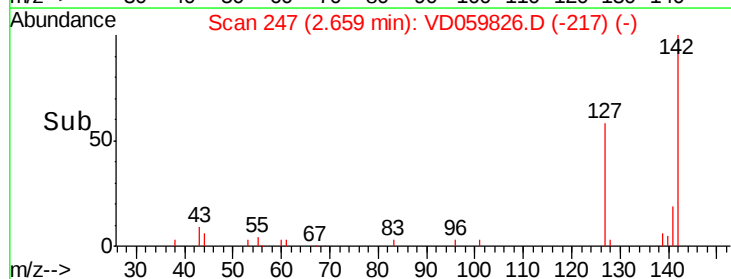
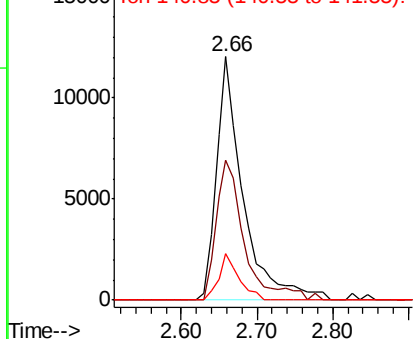
Lab File: VD059826.D

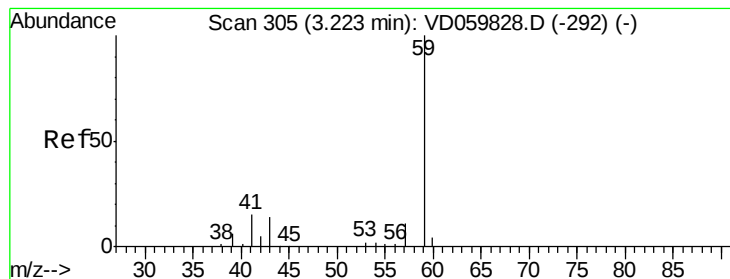
Acq: 20 Aug 2018 12:30

Tgt Ion:	142	Resp:	29586
Ion Ratio	Lower	Upper	
142	100		
127	57.6	46.6	69.8
141	19.3	11.7	17.5#



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





#11

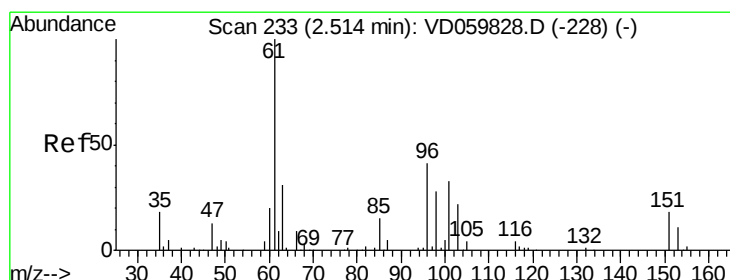
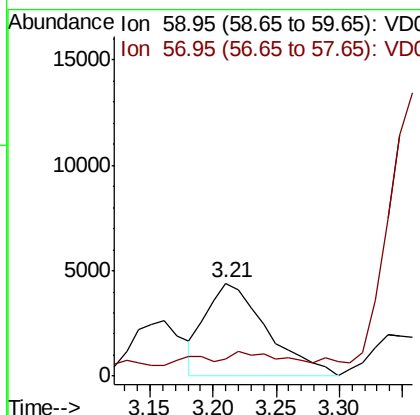
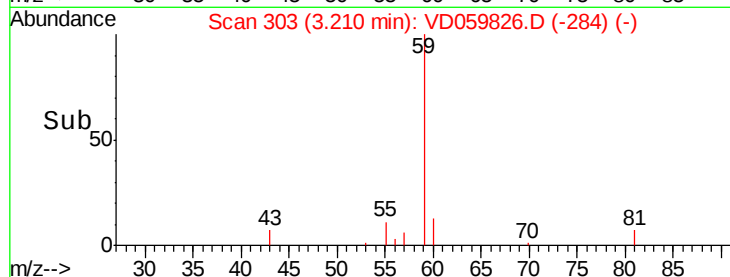
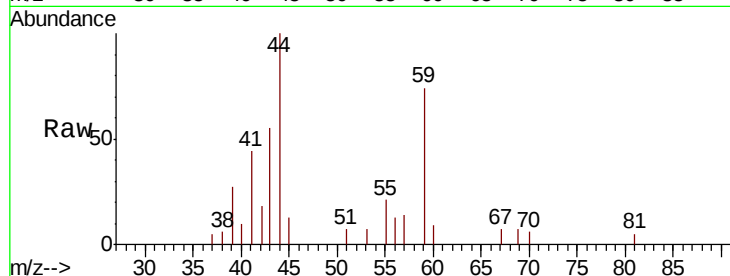
Tert butyl alcohol
Concen: 51.19 ug/l
RT: 3.21 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 14887
Ion Ratio Lower Upper
59 100
57 18.4 10.3 15.5#

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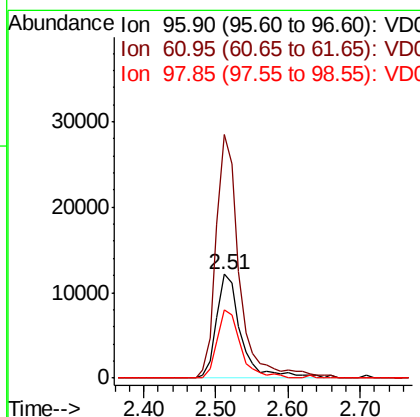
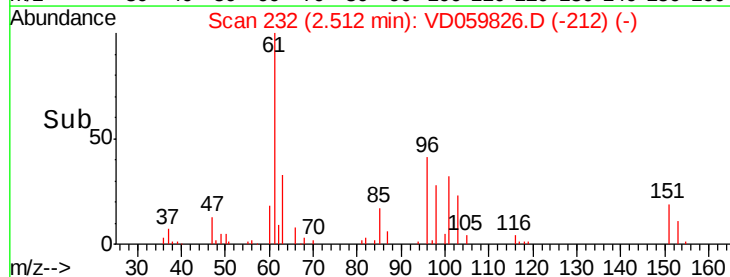
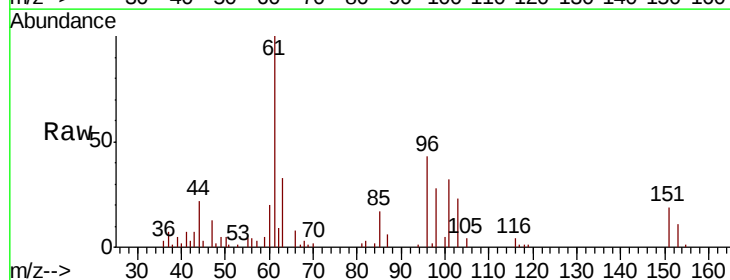
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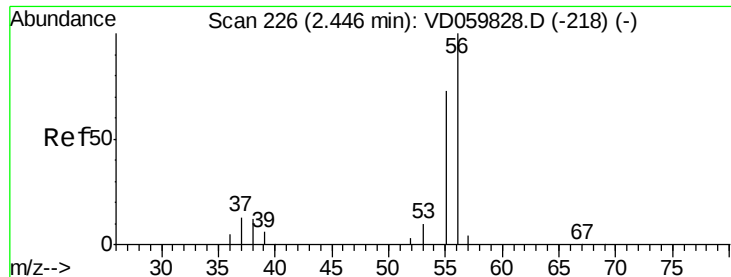


#12

1,1-Dichloroethene
Concen: 10.07 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 96 Resp: 28724
Ion Ratio Lower Upper
96 100
61 235.2 194.0 291.0
98 66.1 53.4 80.0





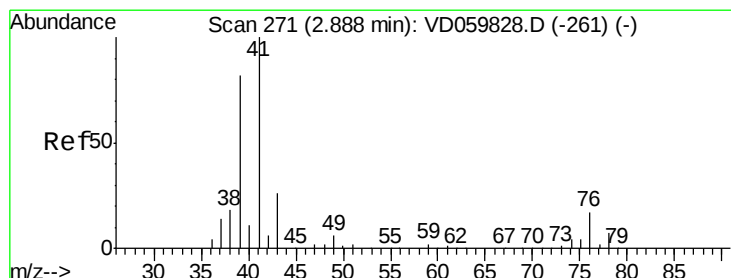
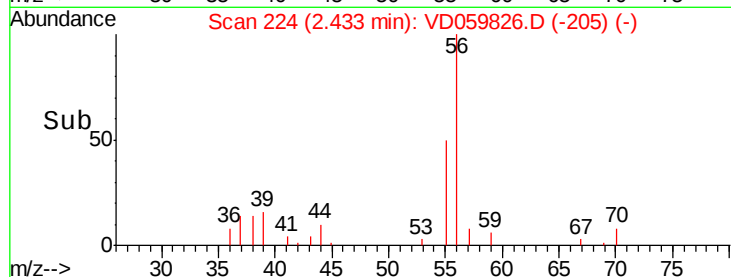
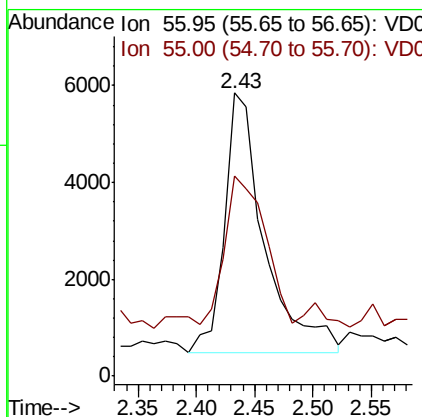
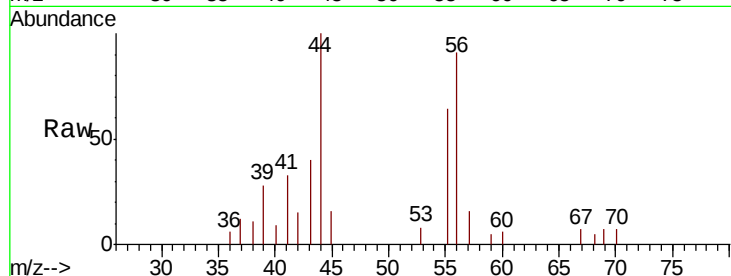
#13
Acrolein
Concen: 46.38 ug/l
RT: 2.43 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	56	55	Resp	Lower	Upper
12709	100	70.8		60.4	90.6

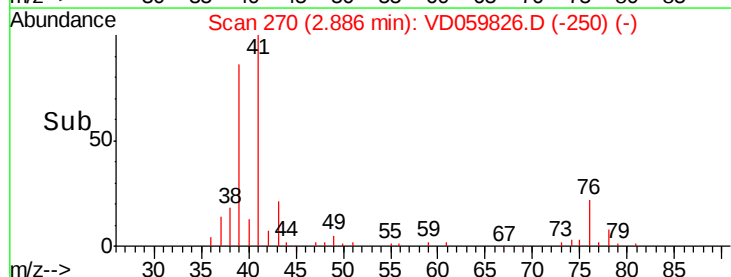
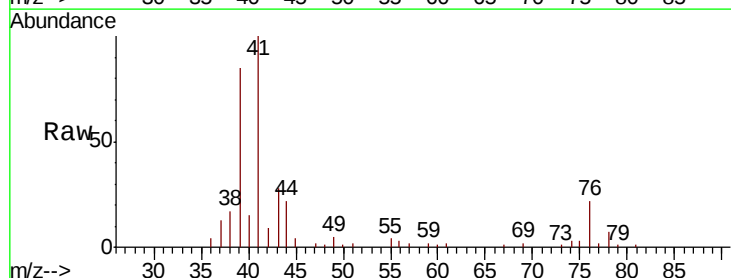
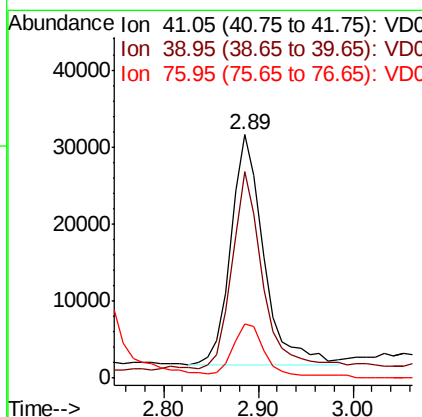
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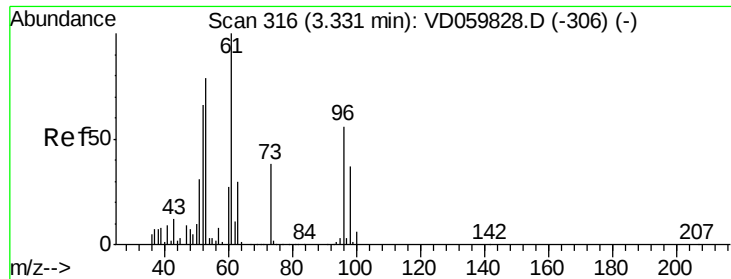
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#14
Allyl chloride
Concen: 9.63 ug/l
RT: 2.89 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	41	39	76	Resp	Lower	Upper
72799	100	84.6	22.1		65.9	98.9
					19.9	29.9





#15

Acrylonitrile

Concen: 54.59 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

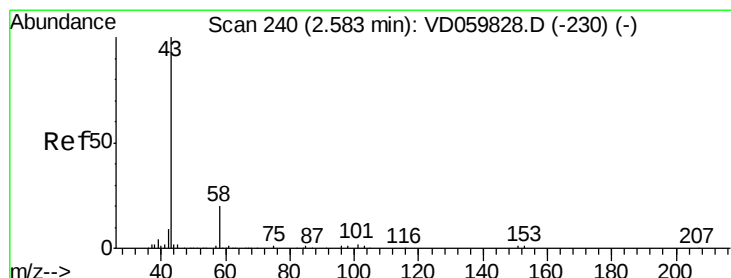
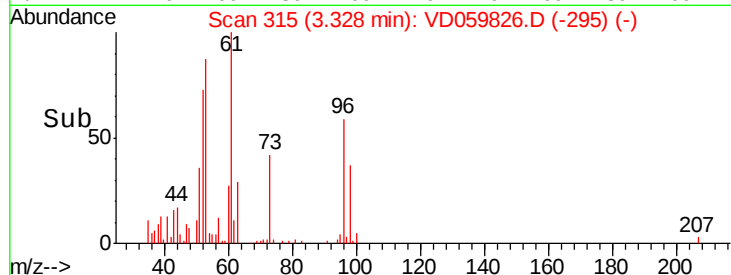
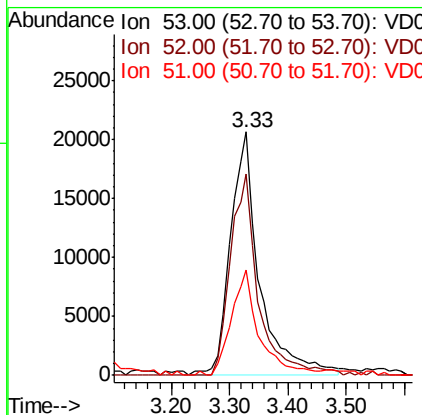
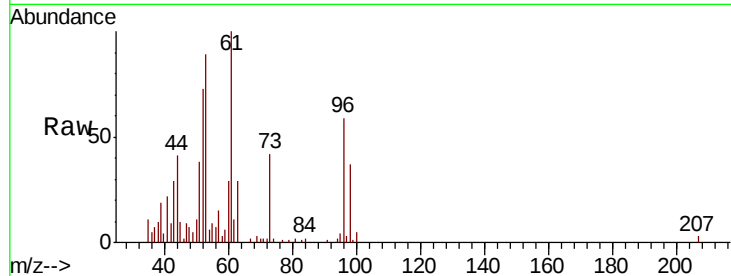
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	71686
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	43.3	31.6	47.4

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#16

Acetone

Concen: 44.95 ug/l

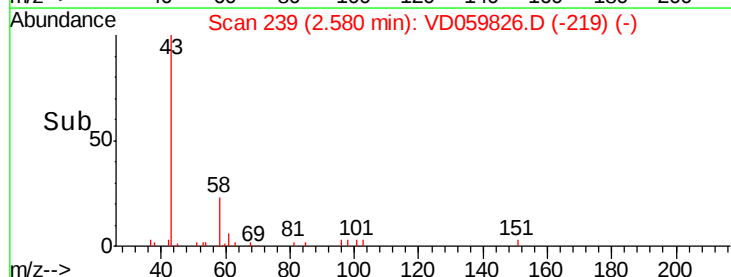
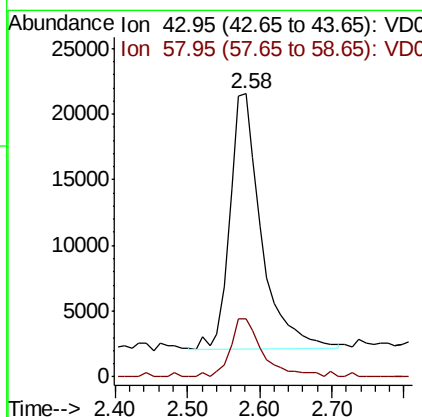
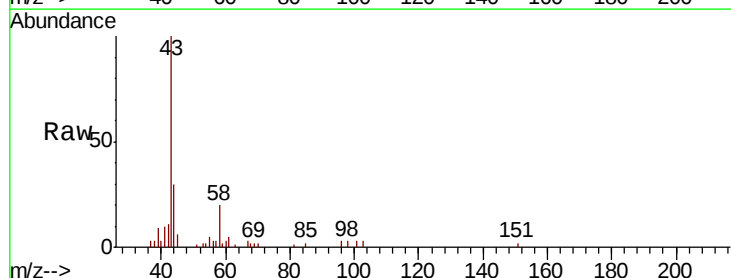
RT: 2.58 min Scan# 239

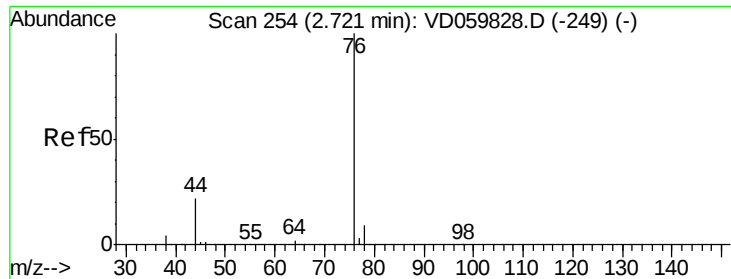
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	43	Resp:	58990
Ion	Ratio	Lower	Upper
43	100		
58	20.5	16.2	24.2





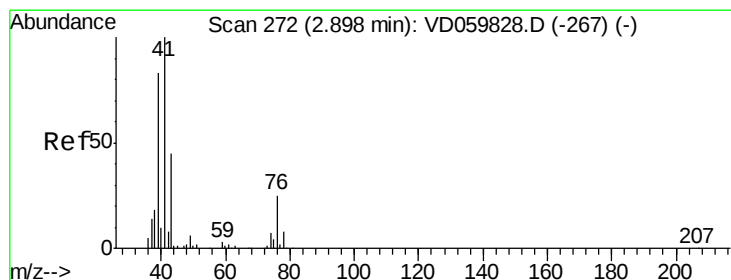
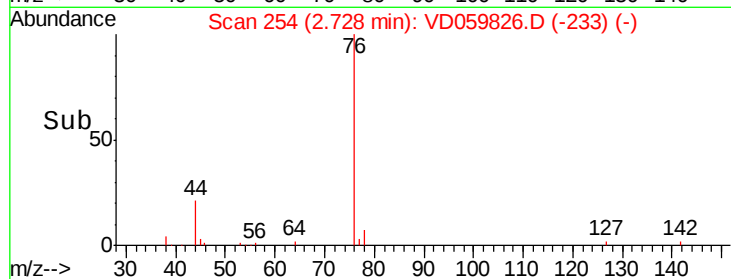
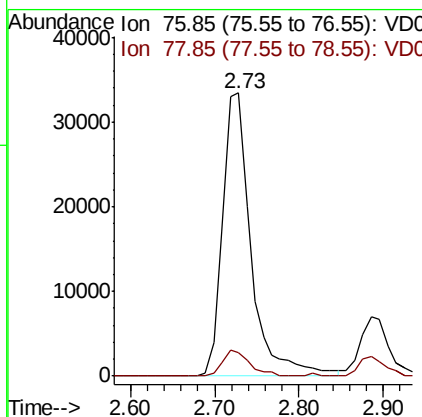
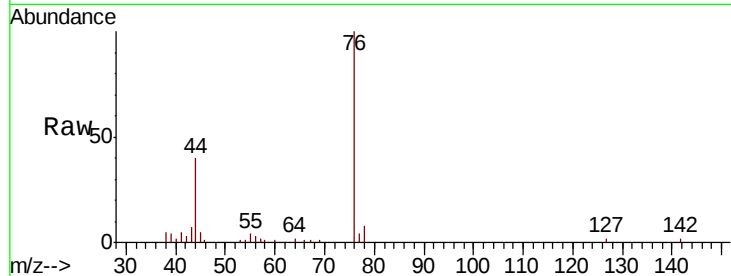
#17
Carbon Disulfide
Concen: 8.24 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	76	Resp	78713
Ion Ratio	Lower	Upper	
76	100		
78	8.4	7.0	10.6

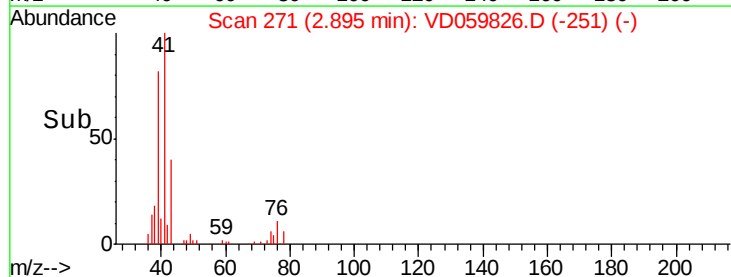
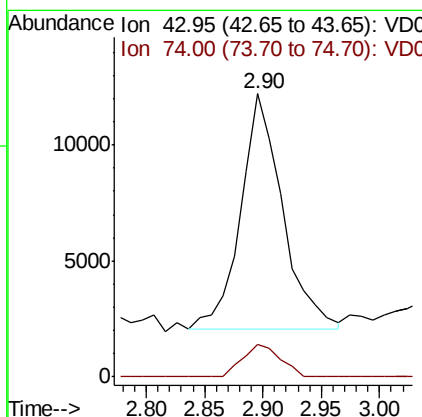
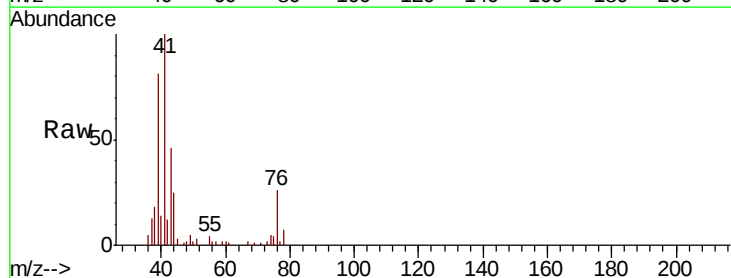
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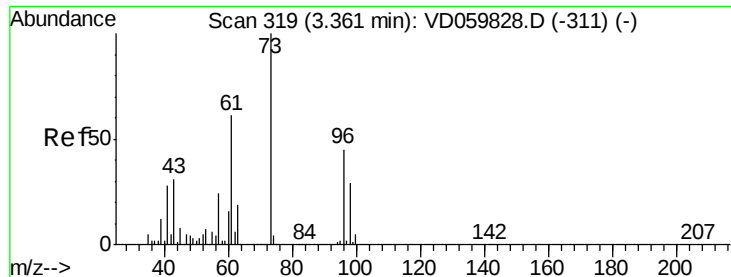
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#18
Methyl Acetate
Concen: 8.81 ug/l
RT: 2.90 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	43	Resp	25231
Ion Ratio	Lower	Upper	
43	100		
74	11.5	11.4	17.0





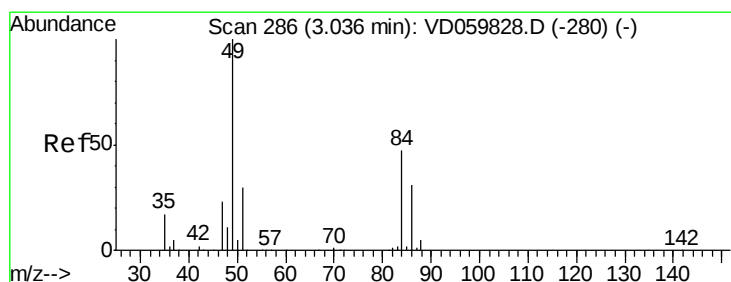
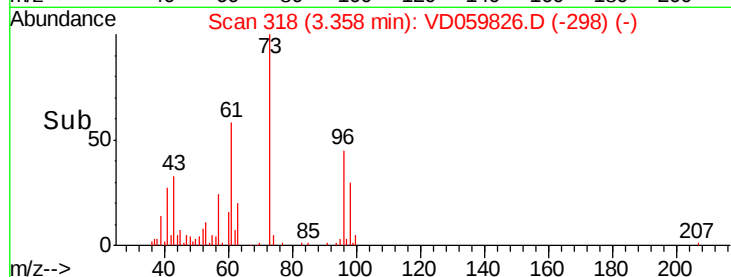
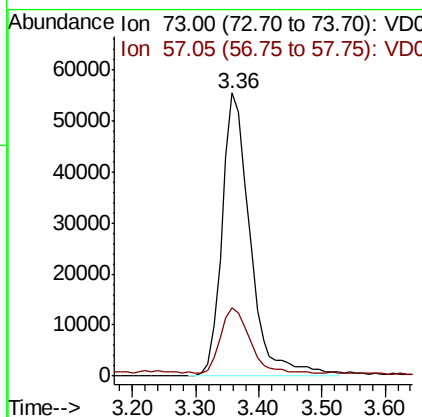
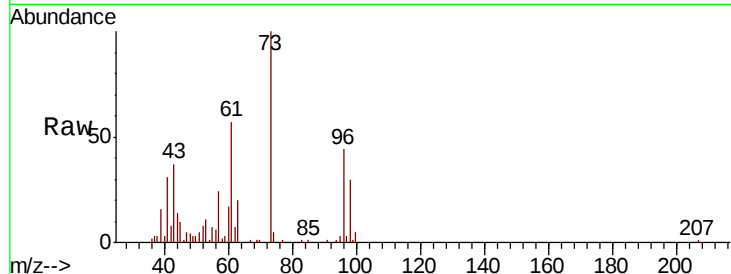
#19
Methyl tert-butyl Ether
Concen: 10.31 ug/l
RT: 3.36 min Scan# 318
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 172400
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.0

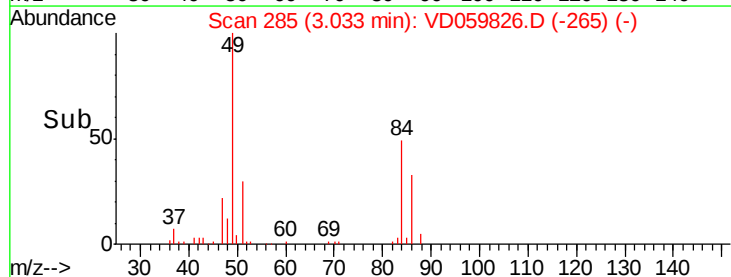
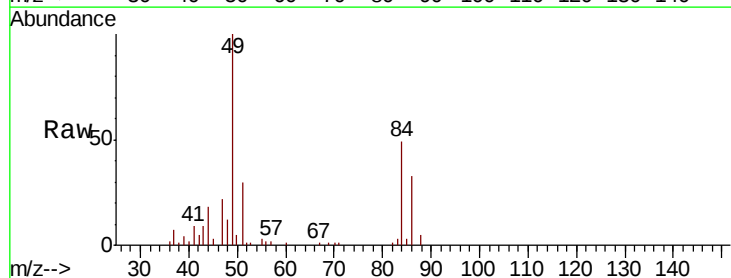
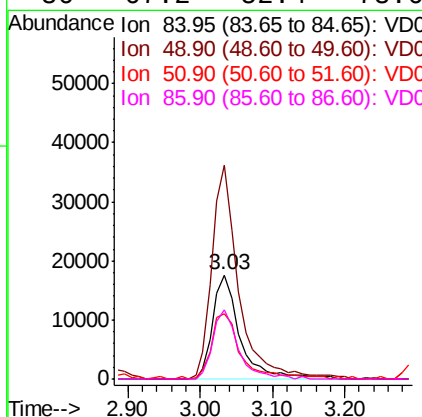
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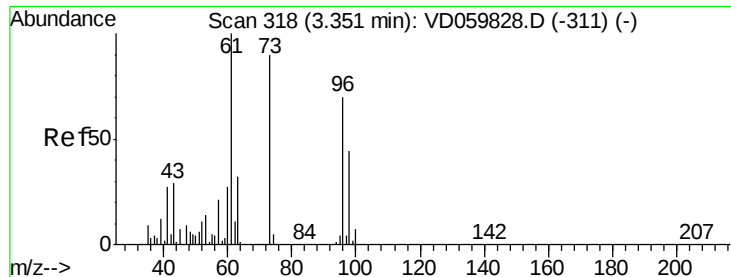
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#20
Methylene Chloride
Concen: 10.32 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 84 Resp: 45916
Ion Ratio Lower Upper
84 100
49 205.9 170.4 255.6
51 62.8 51.4 77.0
86 67.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 10.35 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

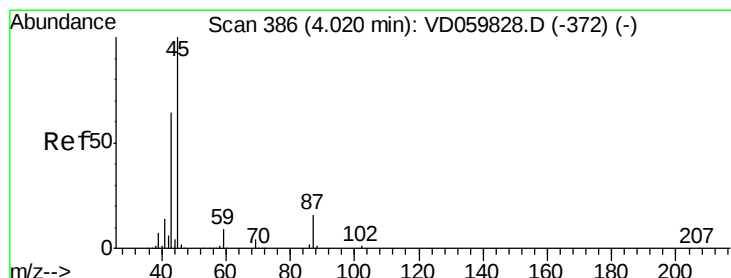
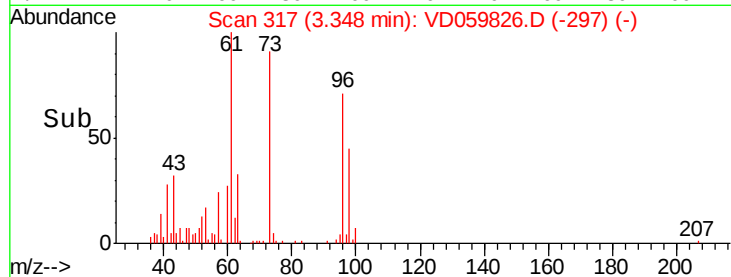
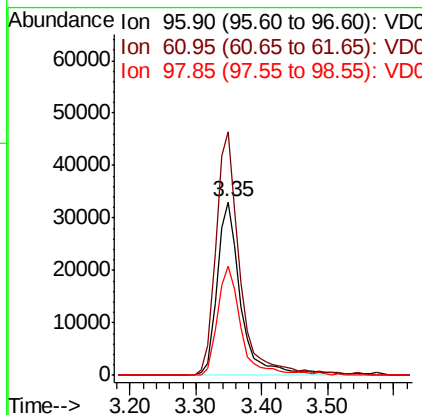
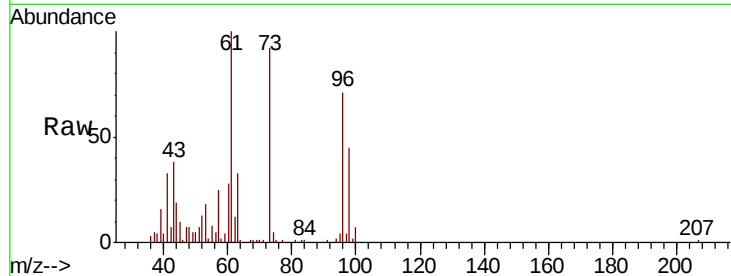
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	82541
Ion Ratio	Lower	Upper	
96	100		
61	140.3	114.1	171.1
98	63.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 10.18 ug/l

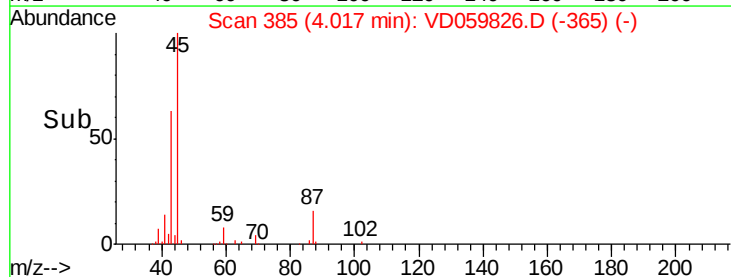
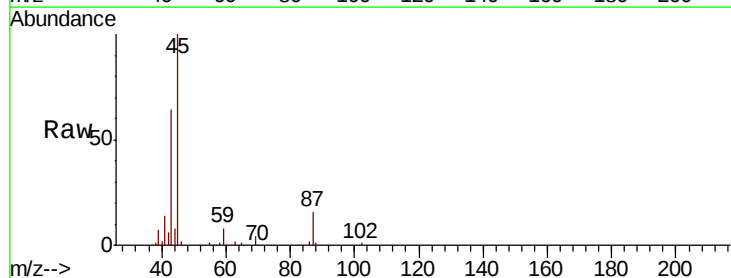
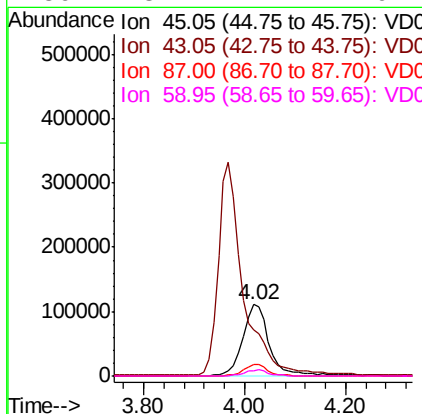
RT: 4.02 min Scan# 385

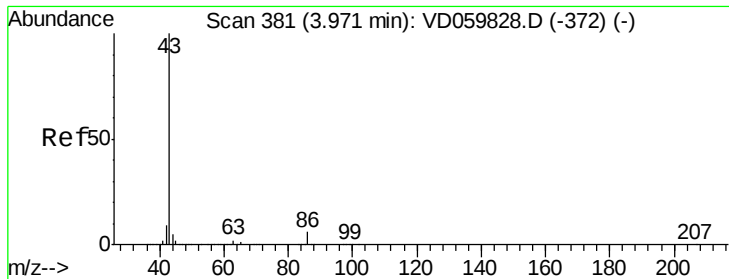
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	45	Resp:	396425
Ion Ratio	Lower	Upper	
45	100		
43	64.2	51.1	76.7
87	15.5	12.5	18.7
59	8.1	7.1	10.7





#23

Vinyl Acetate

Concen: 53.59 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 1126574

Ion Ratio Lower Upper

43 100

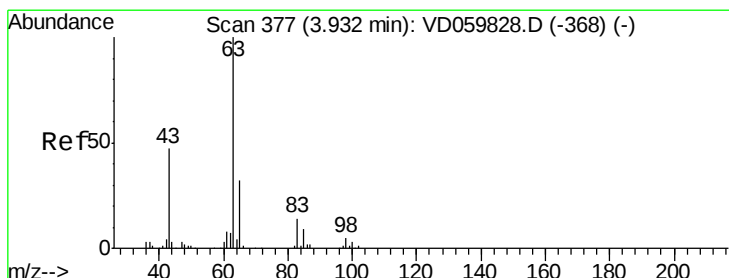
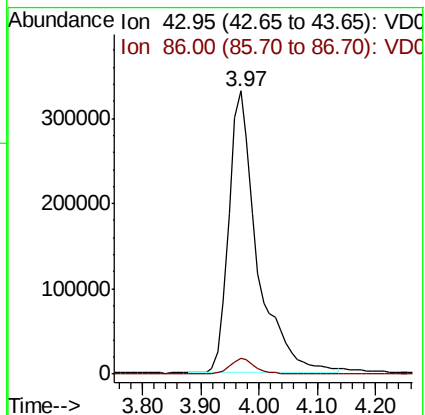
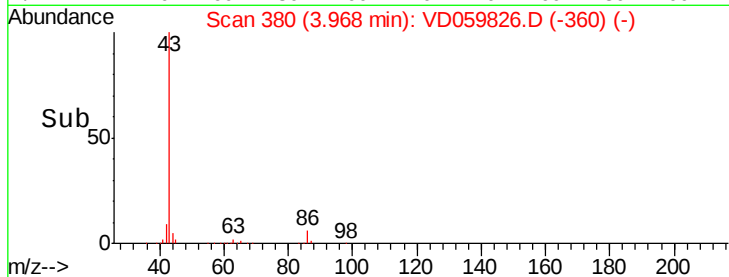
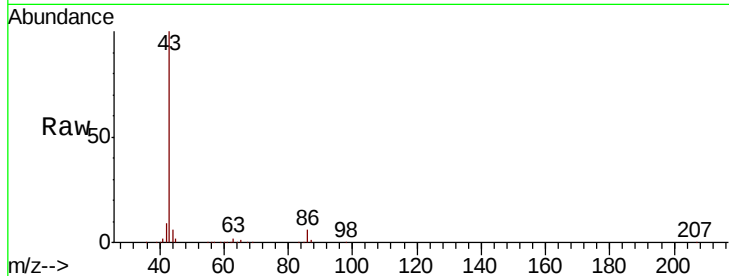
86 5.8 4.6 7.0

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#24

1,1-Dichloroethane

Concen: 9.93 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

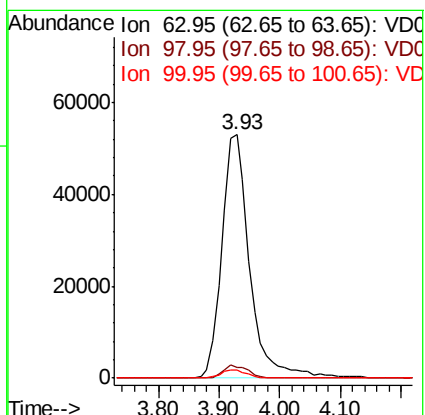
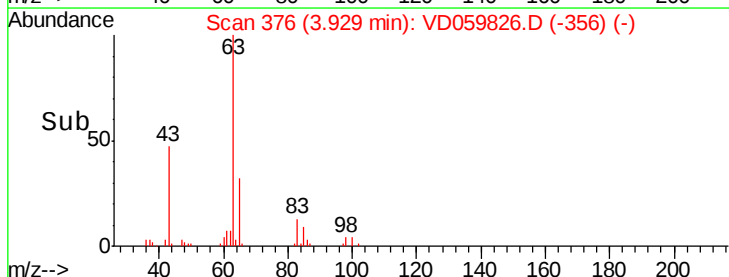
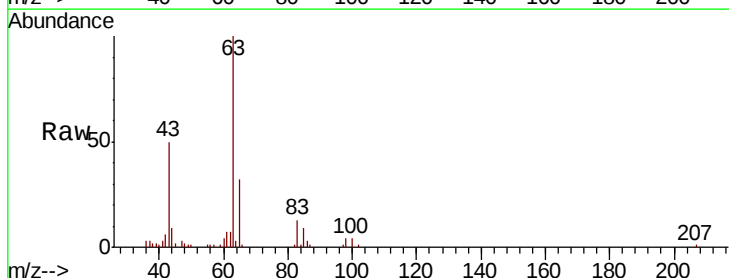
Tgt Ion: 63 Resp: 169012

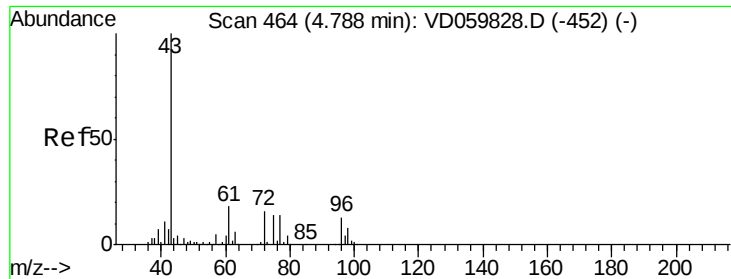
Ion Ratio Lower Upper

63 100

98 4.4 2.5 7.6

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 46.33 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 182601

Ion Ratio Lower Upper

43 100

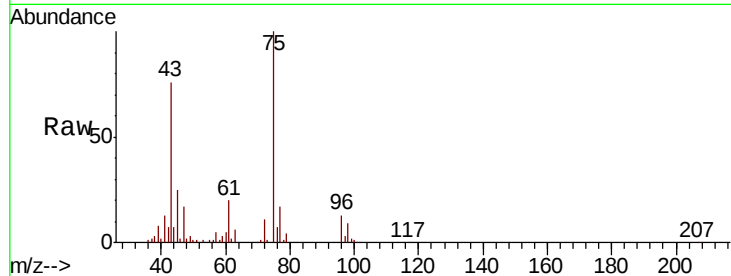
72 14.4 12.4 18.6

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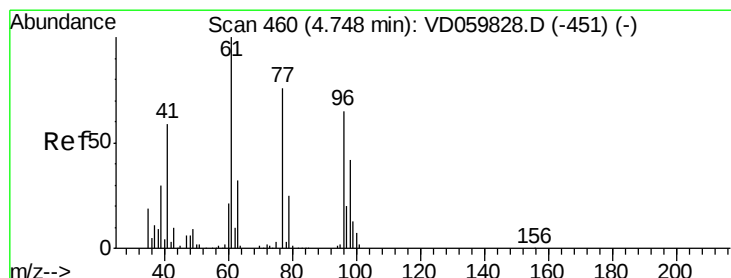
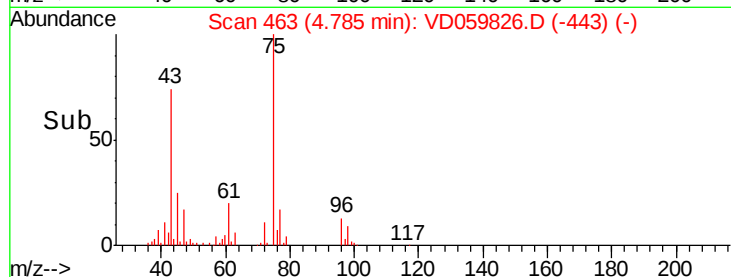
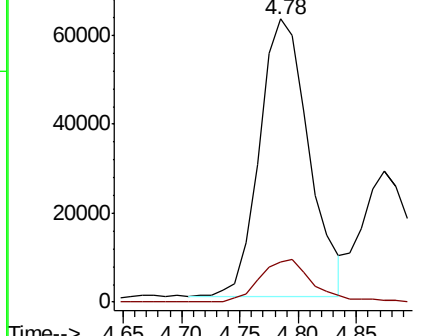
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.64 ug/l

RT: 4.76 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059826.D

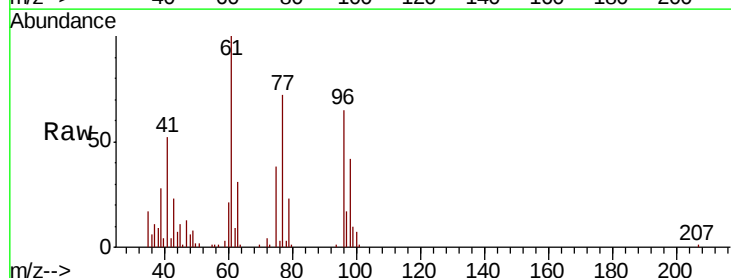
Acq: 20 Aug 2018 12:30

Tgt Ion: 77 Resp: 143688

Ion Ratio Lower Upper

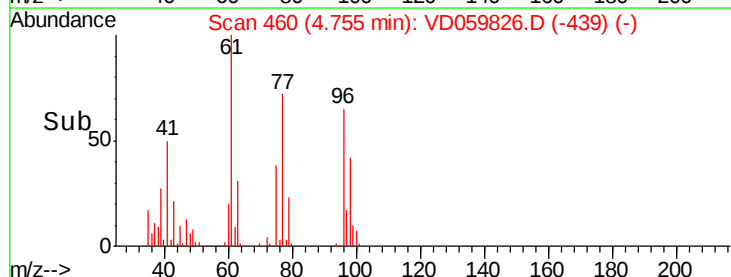
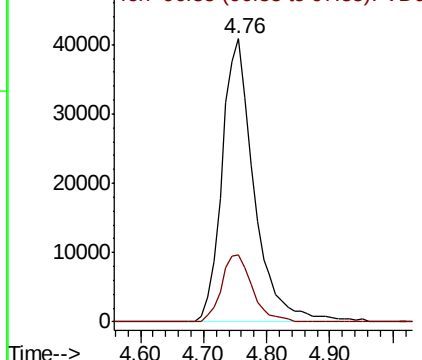
77 100

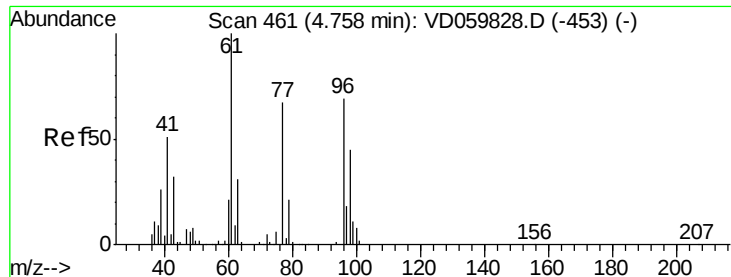
97 23.8 13.0 38.9



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: 9.96 ug/l

RT: 4.76 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

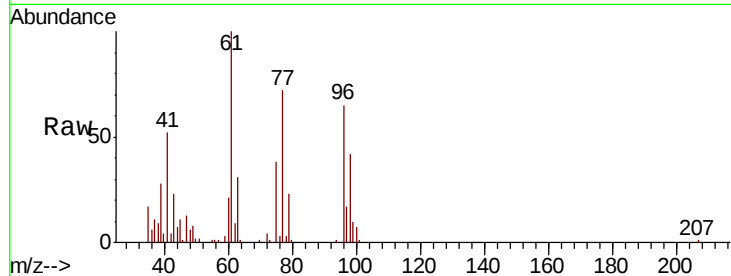
ClientSampleId :

VSTDIC010

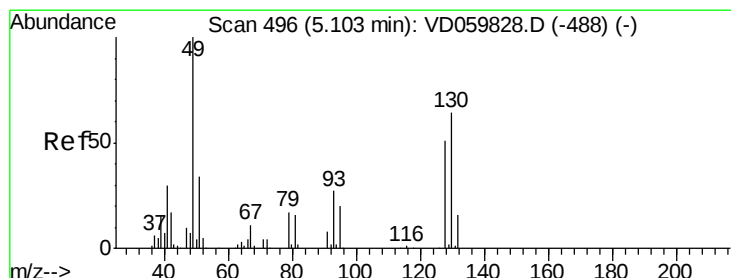
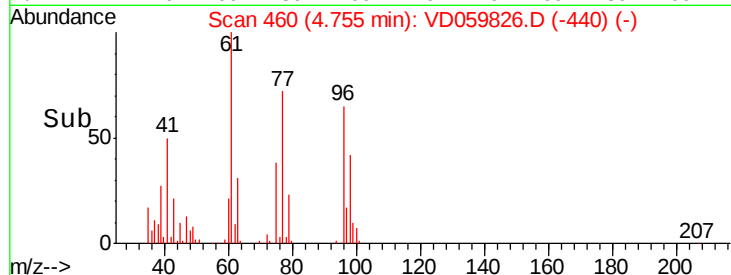
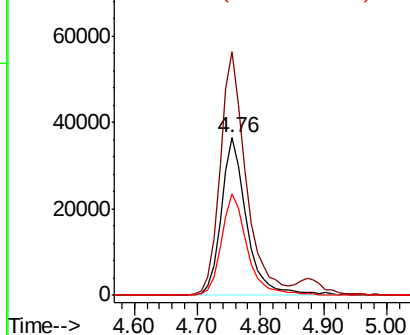
Tot Ion:	96	Resp:	102216
Ion Ratio	Lower	Upper	
96	100		
61	154.3	0.0	291.8
98	64.6	0.0	131.6

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



#28

Bromochloromethane

Concen: 10.62 ug/l

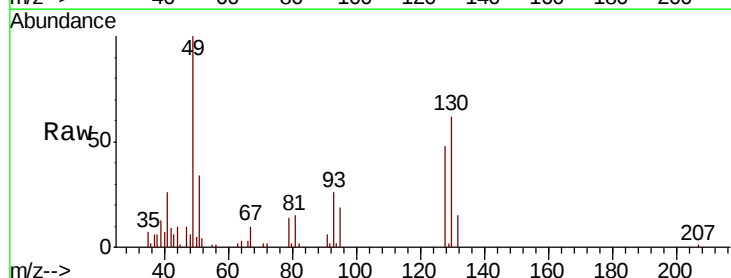
RT: 5.10 min Scan# 495

Delta R.T. -0.00 min

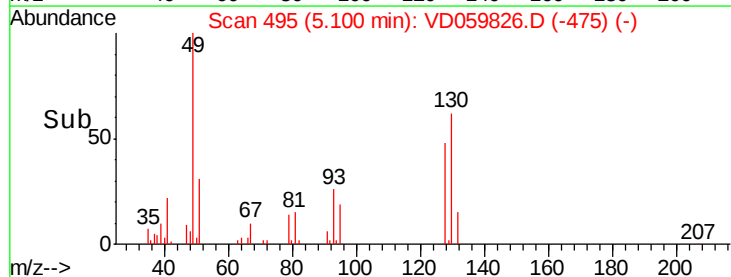
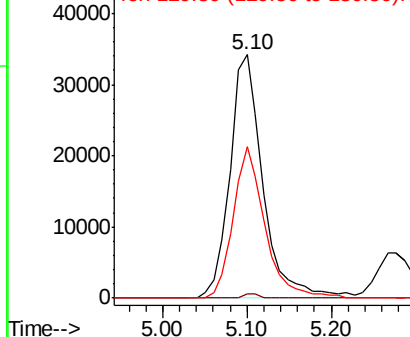
Lab File: VD059826.D

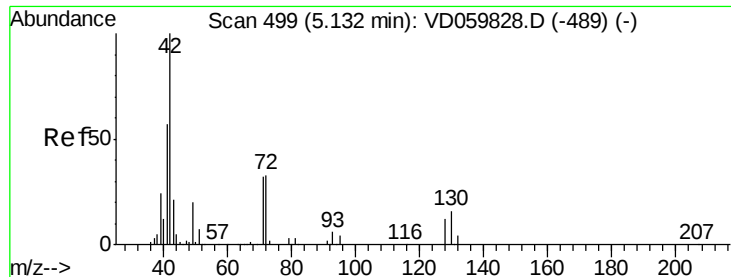
Acq: 20 Aug 2018 12:30

Tgt Ion:	49	Resp:	92658
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	62.3	51.0	76.6



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





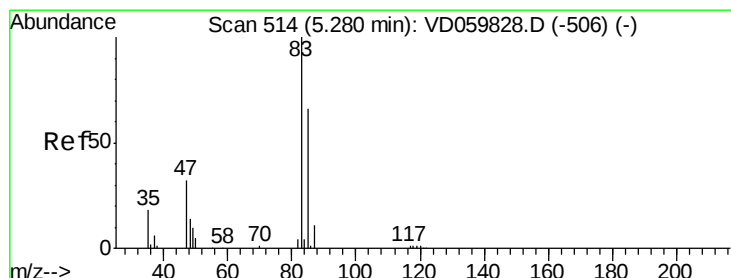
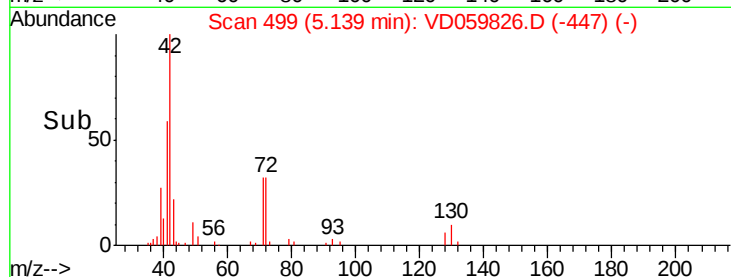
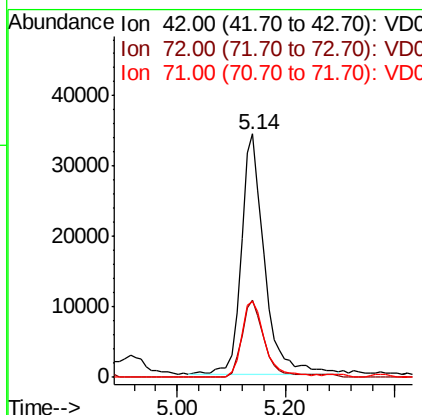
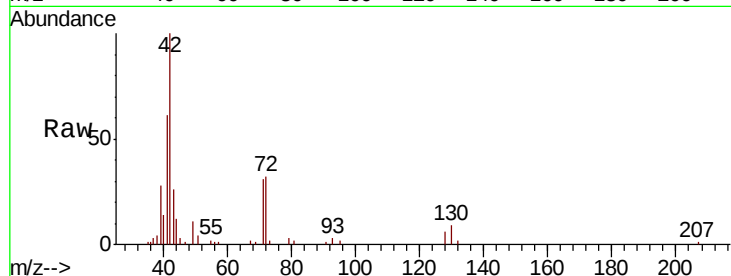
#29
Tetrahydrofuran
Concen: 51.55 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.5	25.8	38.6
71	31.6	25.7	38.5

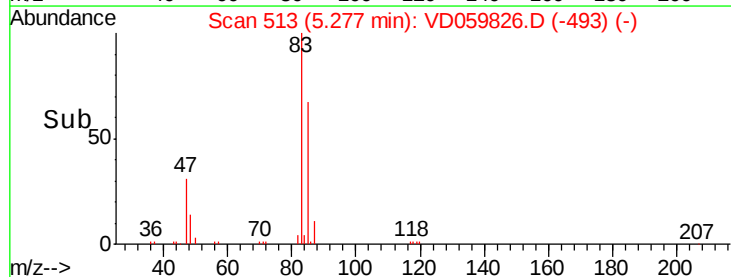
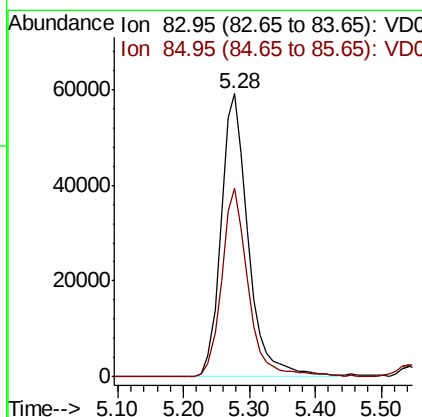
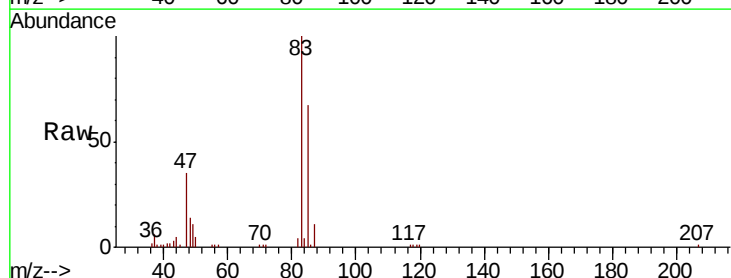
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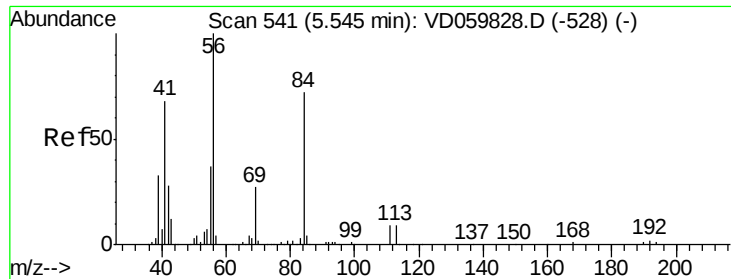
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#30
Chloroform
Concen: 10.18 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.9	79.3





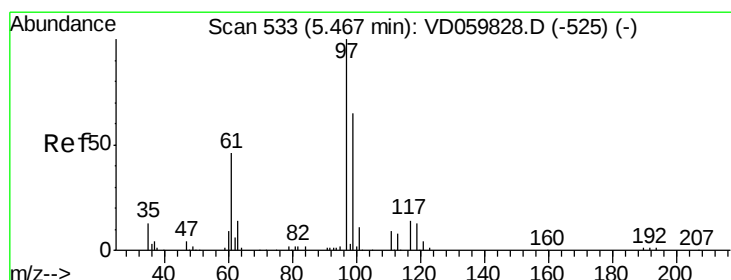
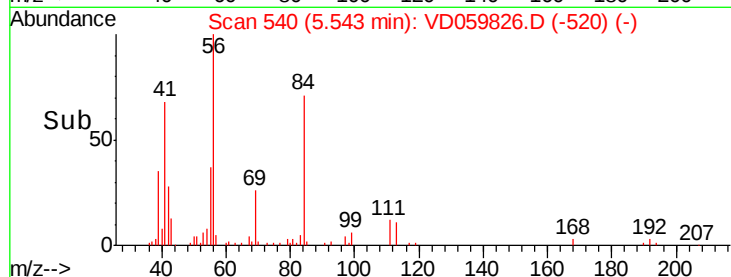
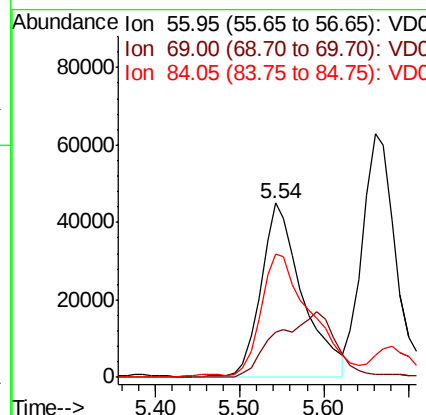
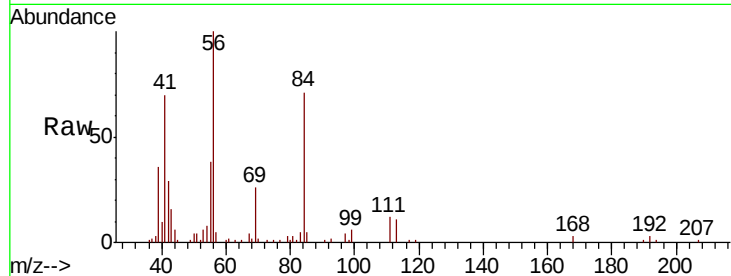
#31
Cyclohexane
Concen: 9.95 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.9	21.7	32.5
84	70.8	57.8	86.6

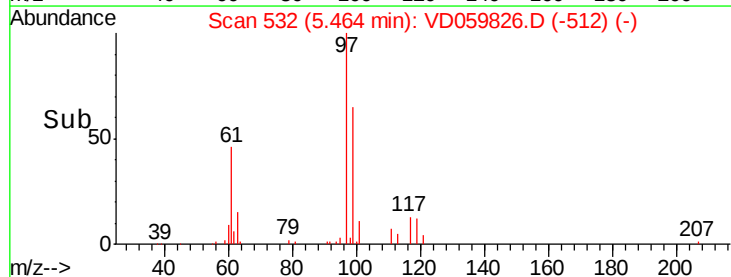
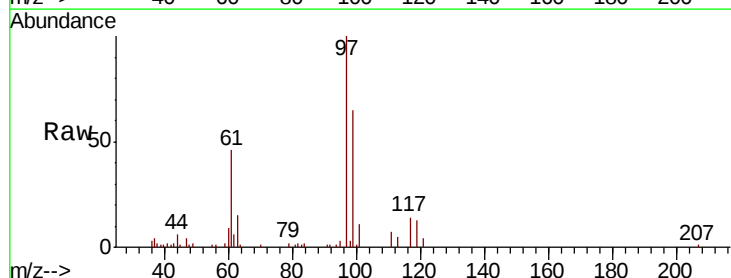
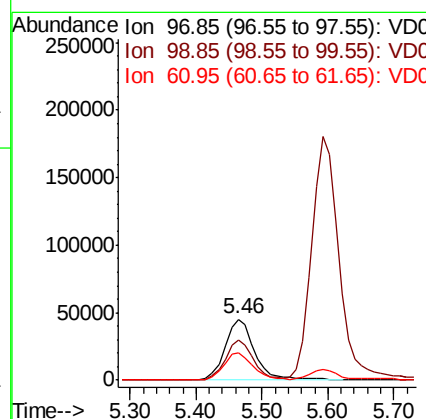
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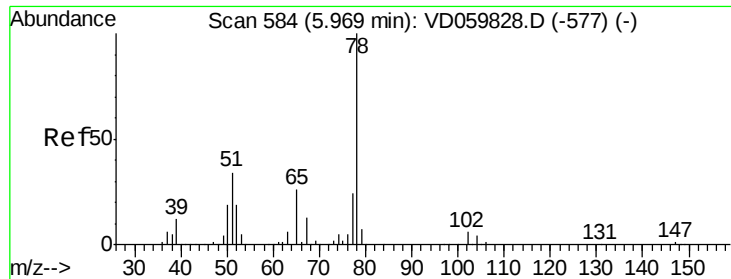
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#32
1,1,1-Trichloroethane
Concen: 10.02 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	45.5	37.0	55.6





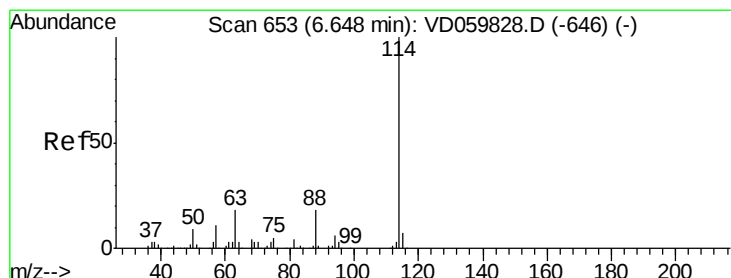
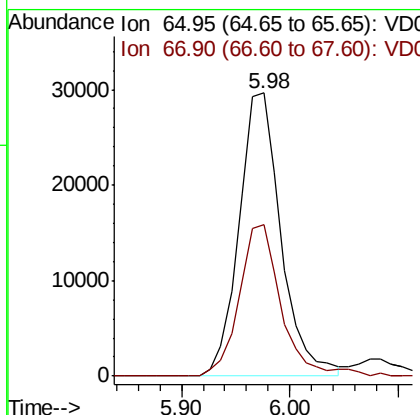
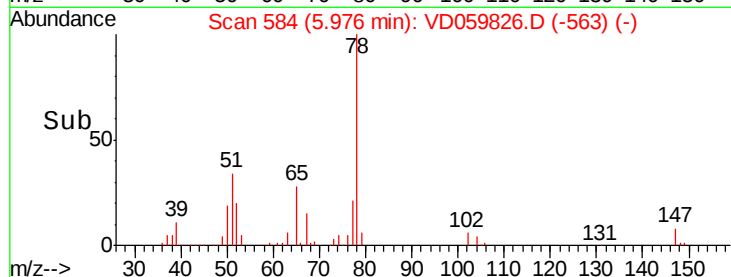
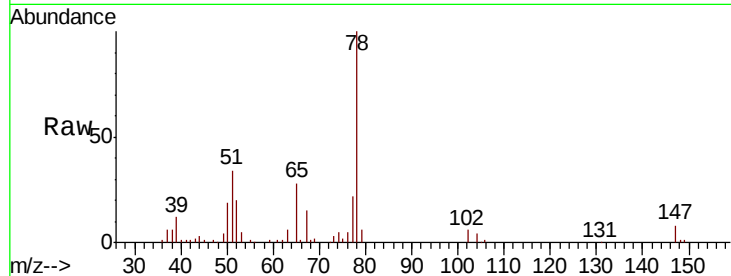
#33
 1,2-Dichloroethane-d4
 Concen: 10.02 ug/l
 RT: 5.98 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	102.4

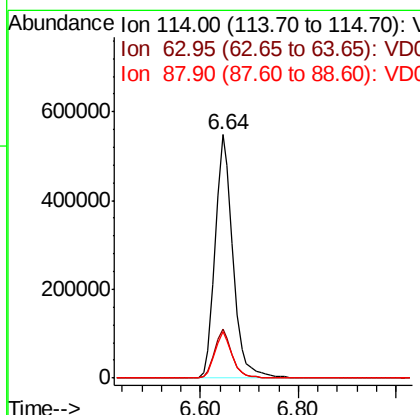
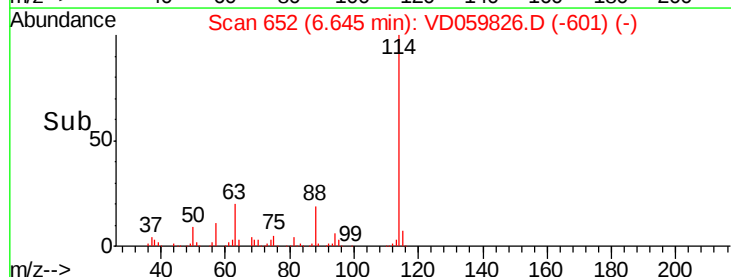
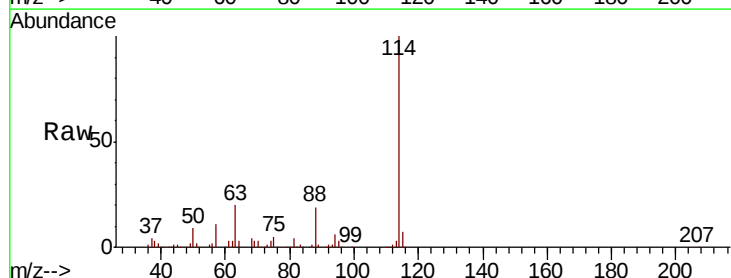
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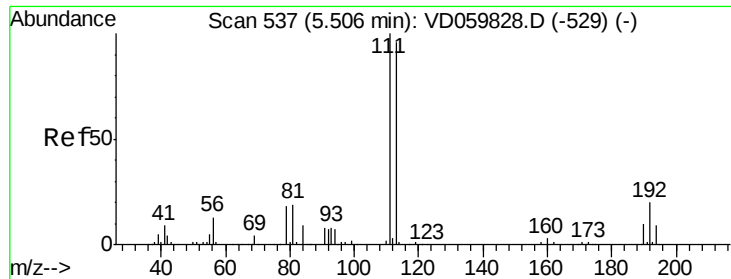
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.0
88	19.3	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: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

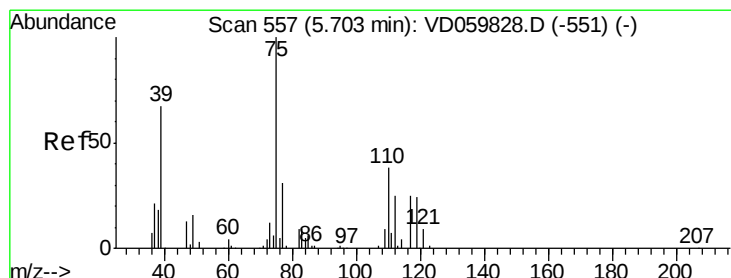
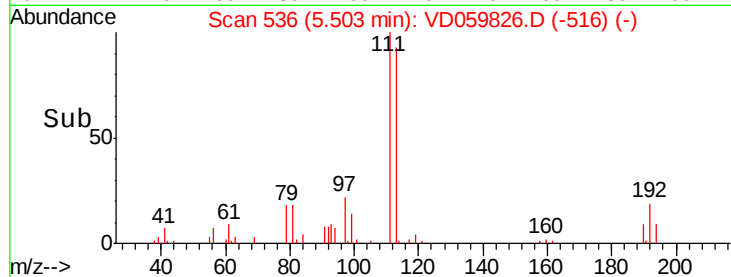
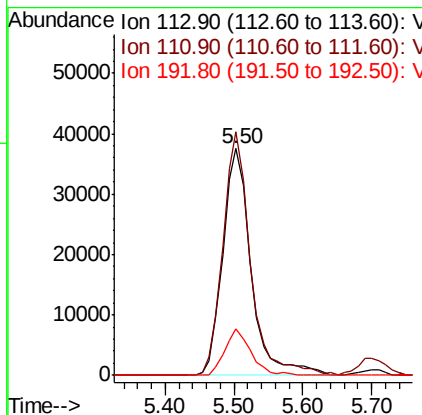
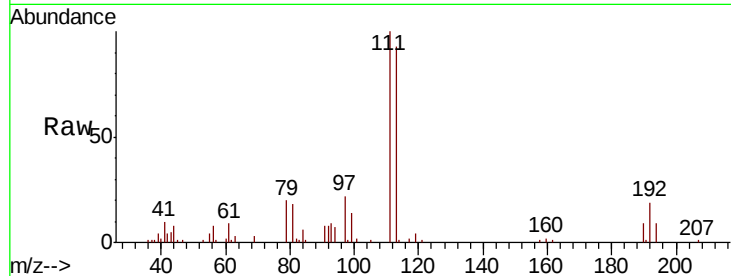
ClientSampleID :

VSTDIC010

Tot Ion:	113	Resp:	106912
Ion Ratio	Lower	Upper	
113	100		
111	107.3	83.3	124.9
192	20.3	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 10.18 ug/l

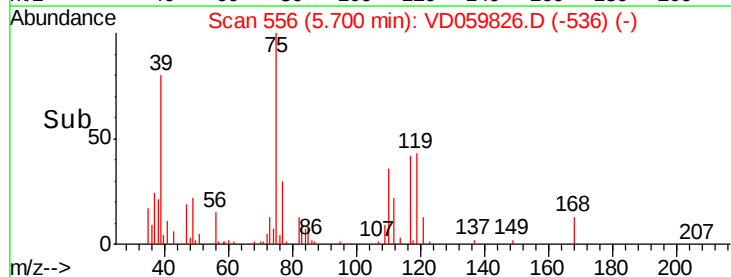
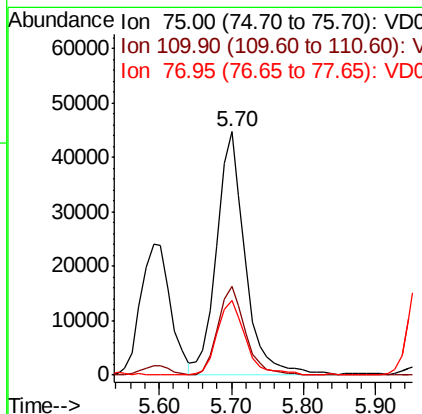
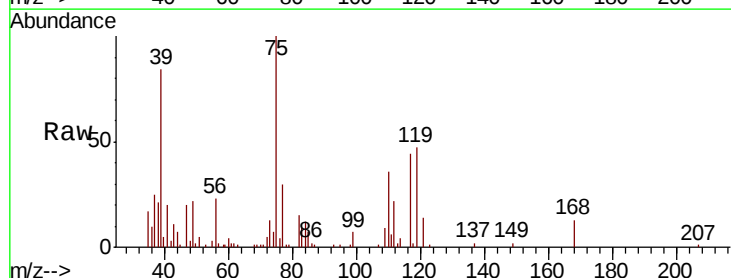
RT: 5.70 min Scan# 556

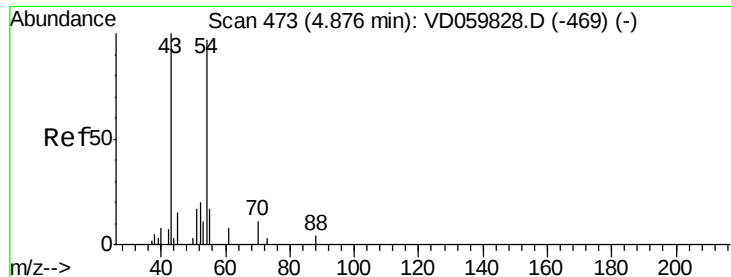
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	75	Resp:	122154
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.8	56.4
77	30.4	24.9	37.3





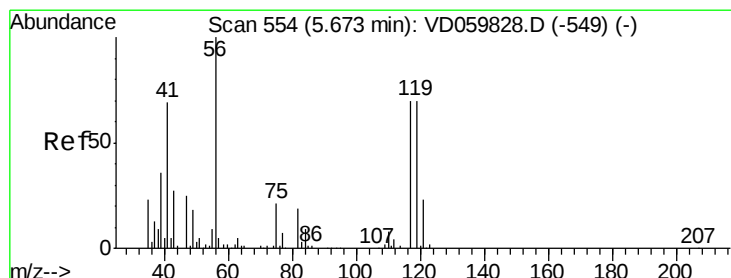
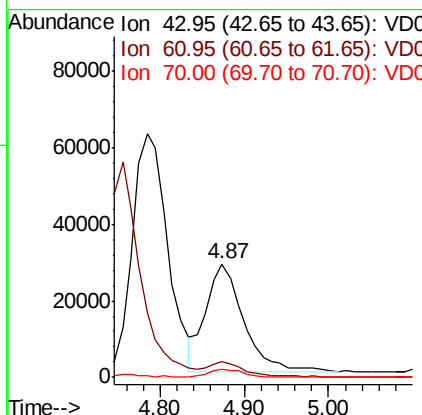
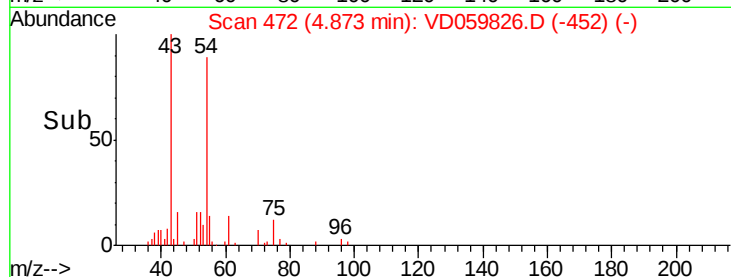
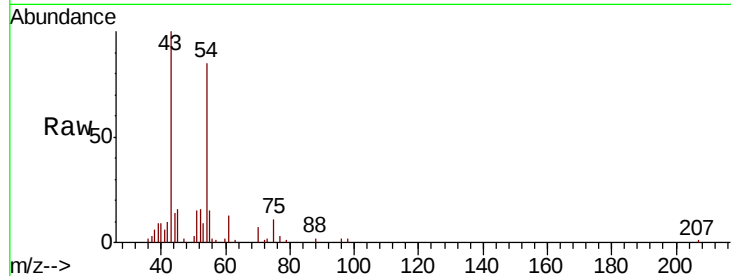
#37
Ethyl Acetate
Concen: 10.25 ug/l
RT: 4.87 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	6.9	6.2	9.2

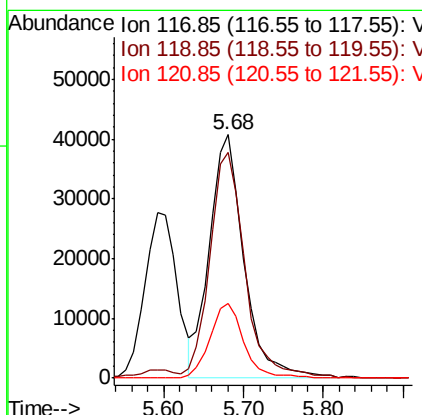
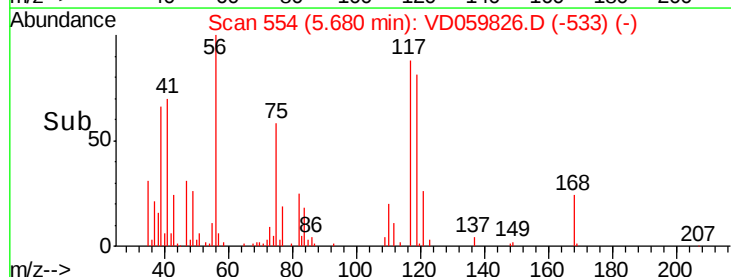
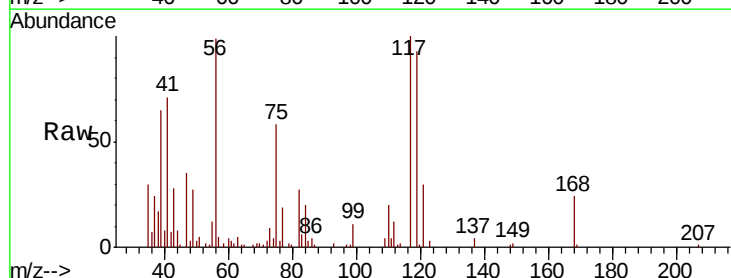
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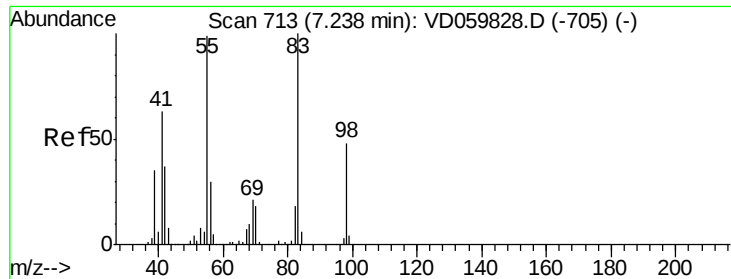
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#38
Carbon Tetrachloride
Concen: 10.39 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.0	115.4
121	30.5	24.7	37.1





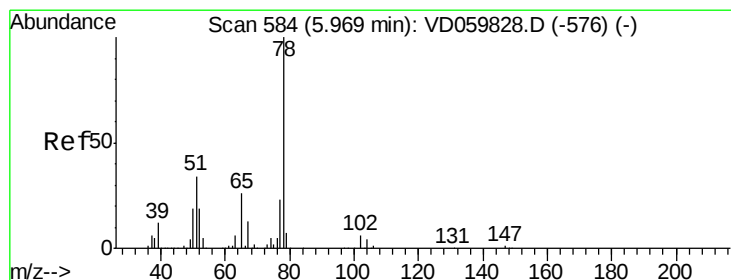
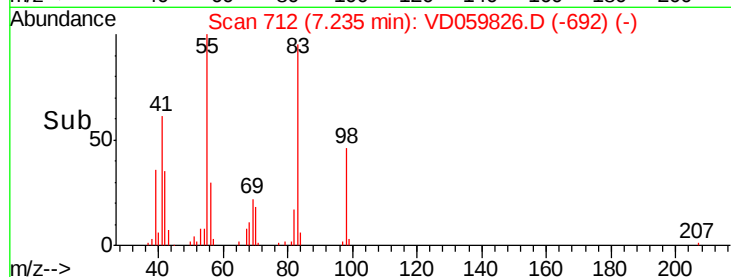
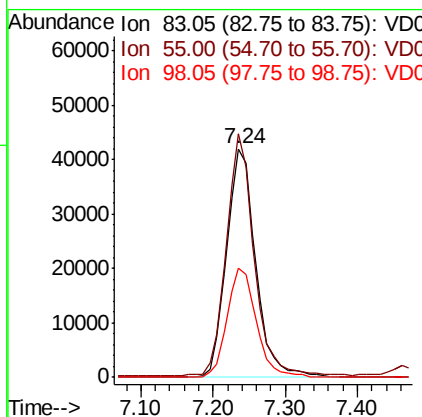
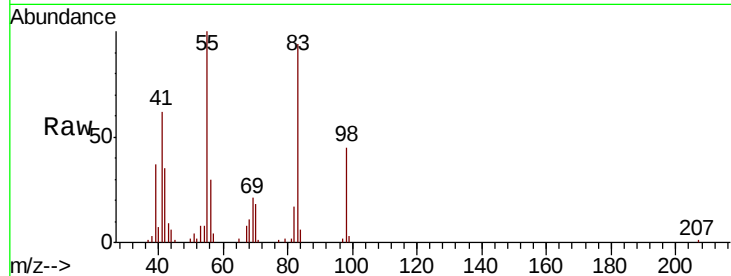
#39
Methvlcvclohexane
Concen: 9.25 ug/l
RT: 7.24 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	106.7	79.0	118.6
98	48.0	38.1	57.1

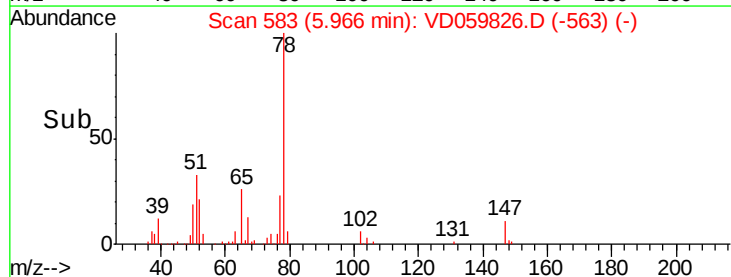
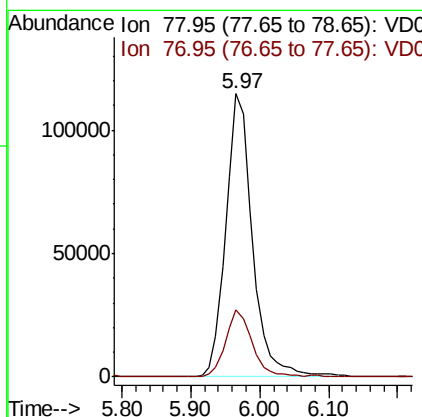
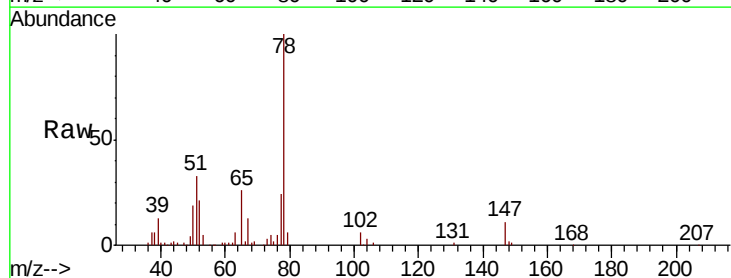
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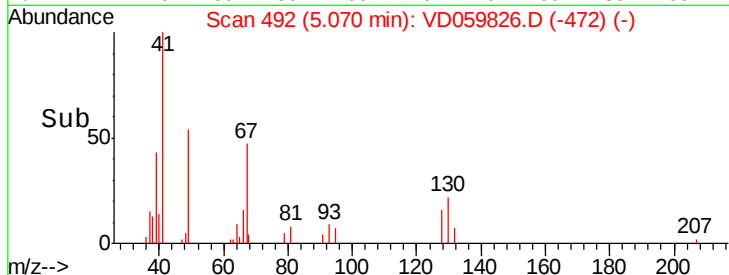
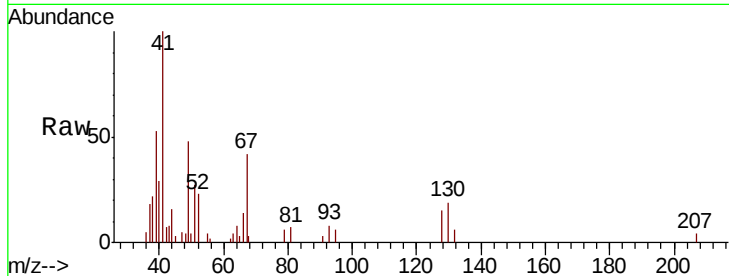
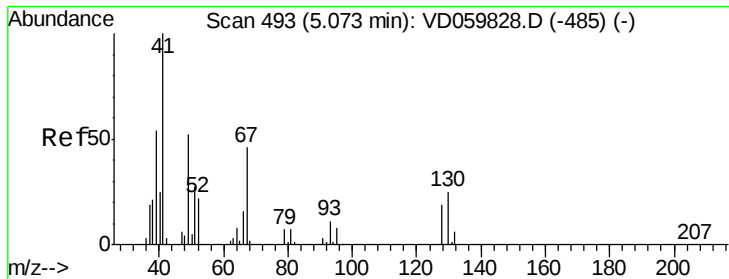
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#40
Benzene
Concen: 9.92 ug/l
RT: 5.97 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





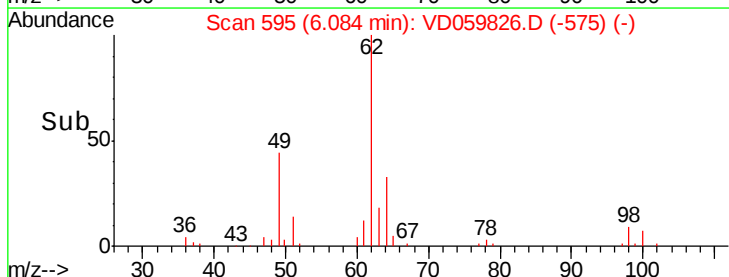
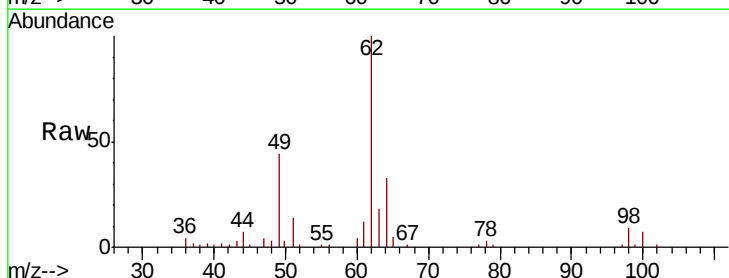
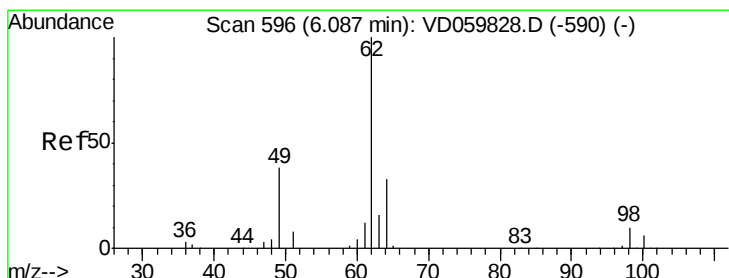
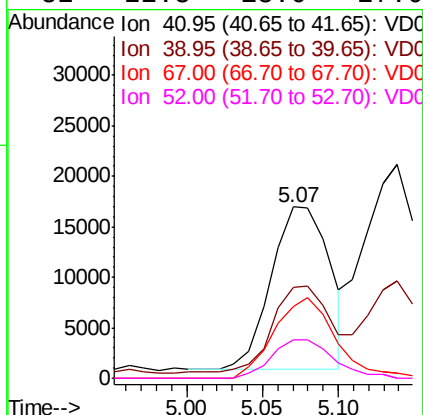
#41
Methacrylonitrile
Concen: 9.58 ug/l
RT: 5.07 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.0	64.6
67	41.9	36.7	55.1
52	22.8	18.0	27.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

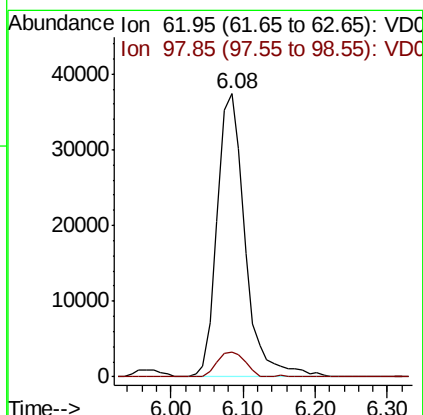
Manual Integrations
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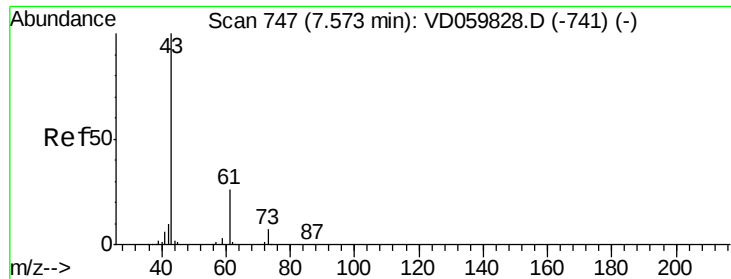
apatel
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#42
1,2-Dichloroethane
Concen: 10.06 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4





#43

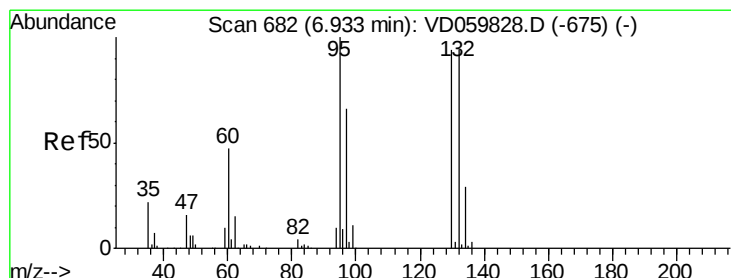
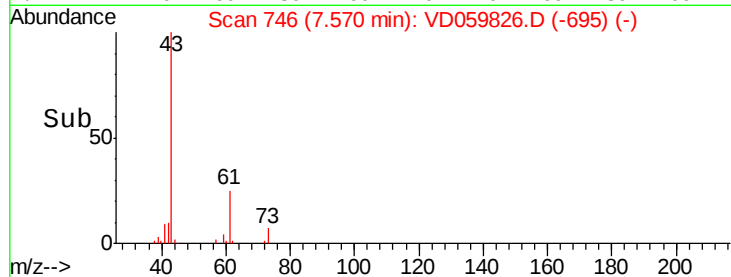
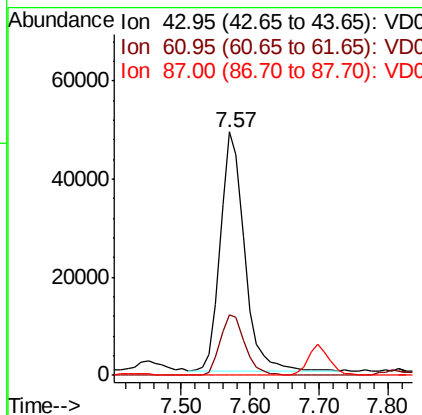
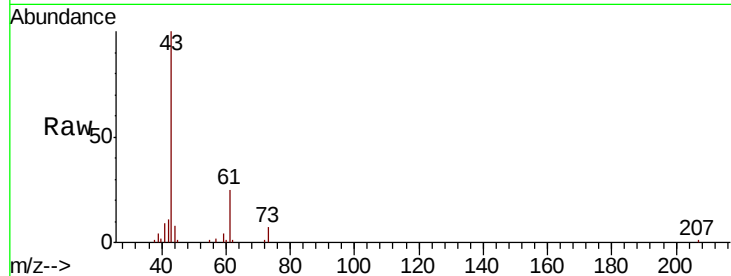
Isopropyl Acetate
 Concen: 9.93 ug/l
 RT: 7.57 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	21.0	31.4
87	0.0	0.2	0.4

Manual Integrations
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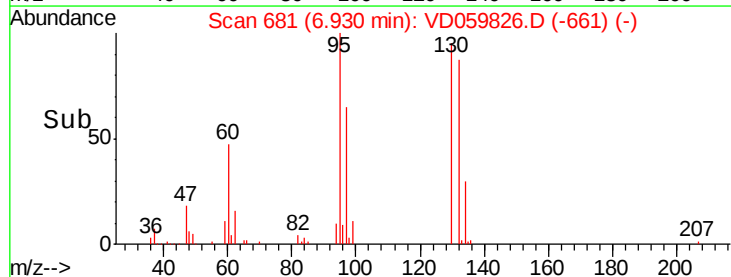
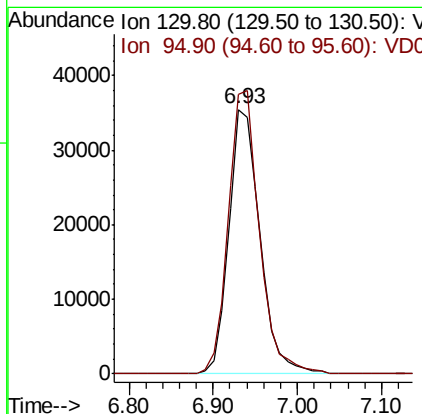
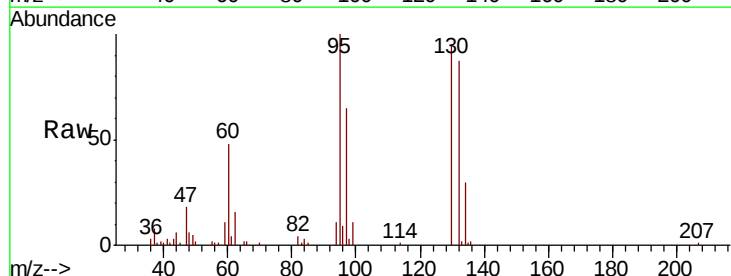
apatel
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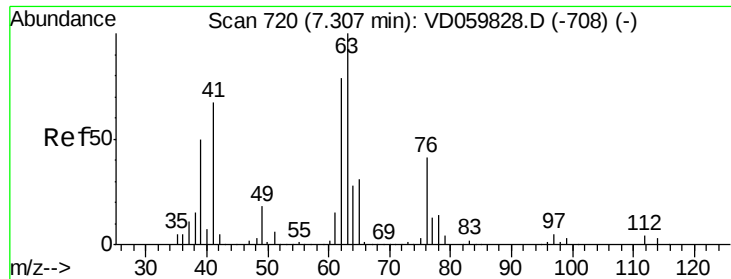


#44

Trichloroethene
 Concen: 9.97 ug/l
 RT: 6.93 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	213.0





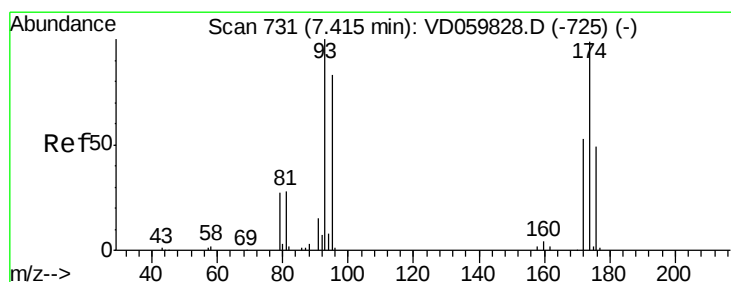
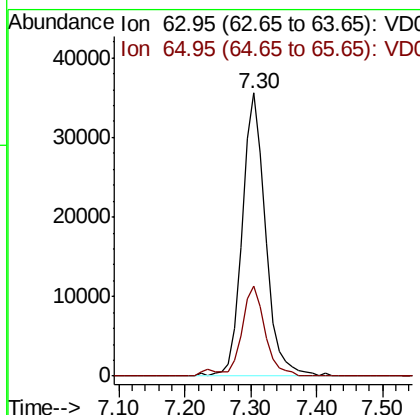
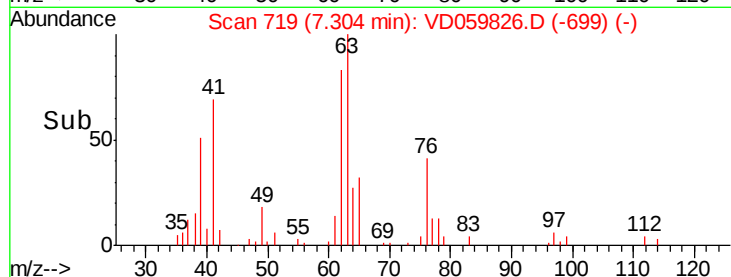
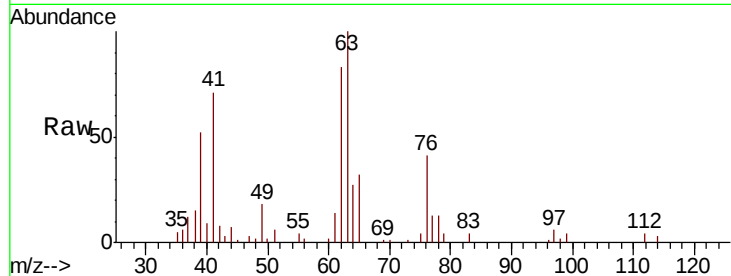
#45
 1,2-Dichloropropane
 Concen: 9.87 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 88660
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.5 36.7

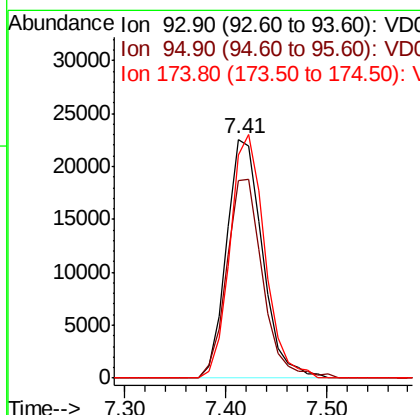
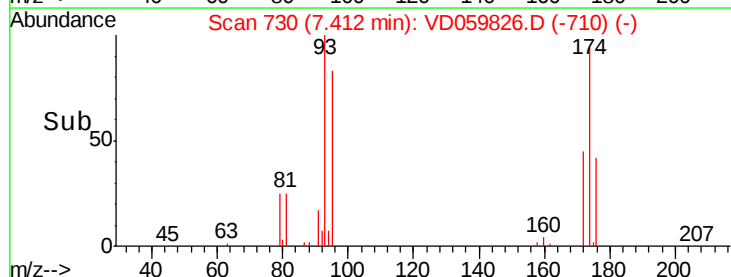
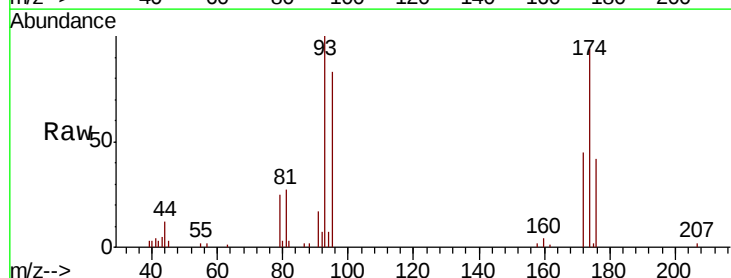
Manual Integrations
 APPROVED

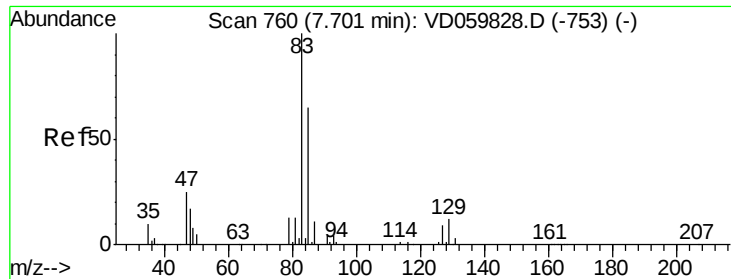
apatel
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#46
 Dibromomethane
 Concen: 10.00 ug/l
 RT: 7.41 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 93 Resp: 55783
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.3 99.5
 174 93.7 79.4 119.0





#47

Bromodichloromethane

Concen: 9.97 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

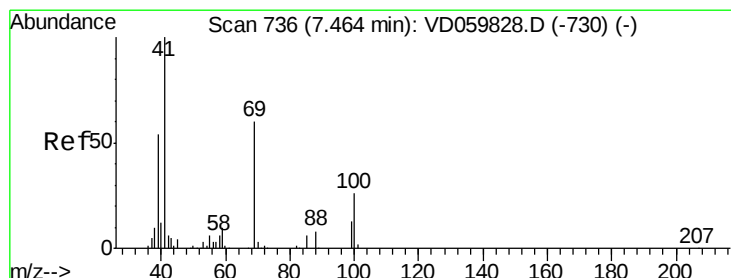
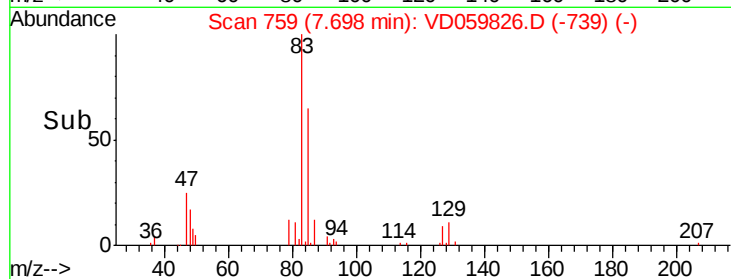
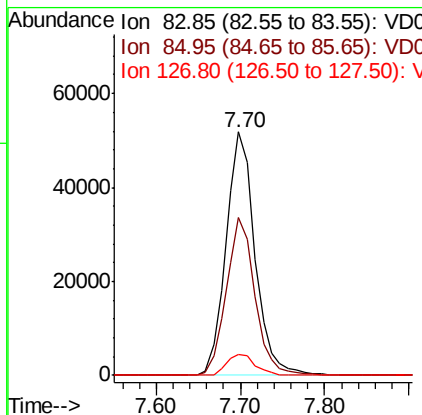
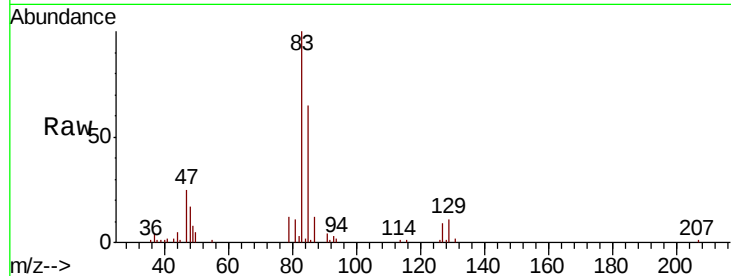
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	123486
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.2	78.4
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.79 ug/l

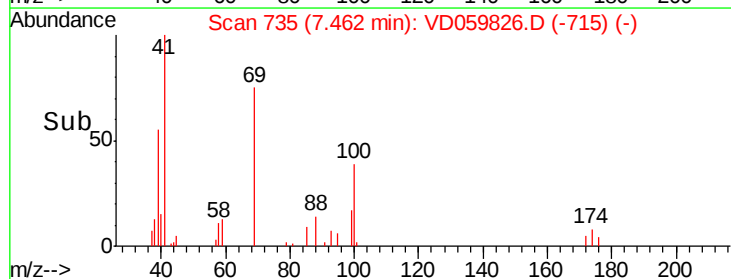
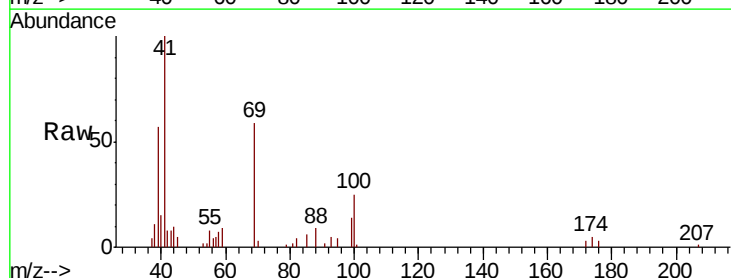
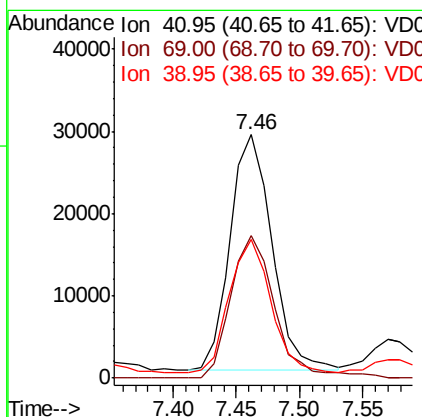
RT: 7.46 min Scan# 735

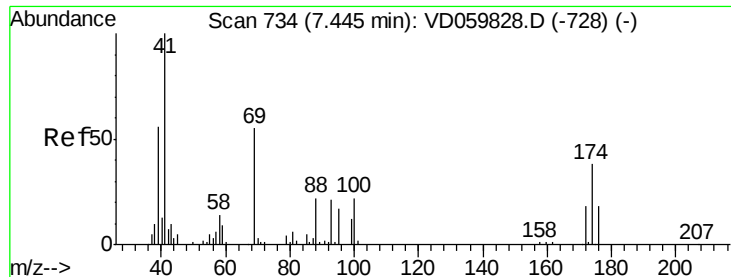
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	41	Resp:	65610
Ion Ratio	Lower	Upper	
41	100		
69	58.5	47.0	70.4
39	57.2	43.4	65.2





#49

1,4-Dioxane

Concen: 200.13 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

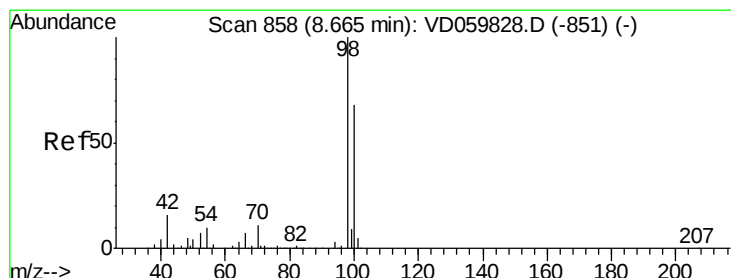
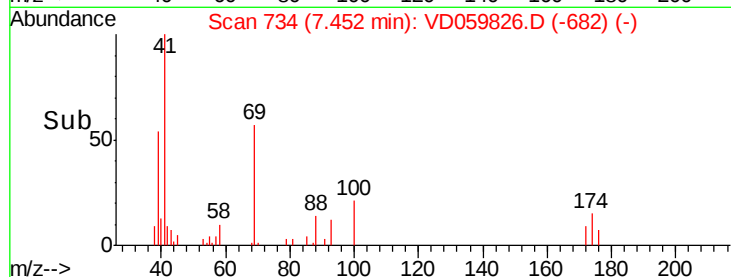
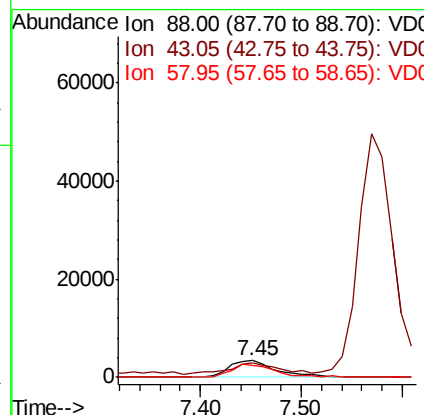
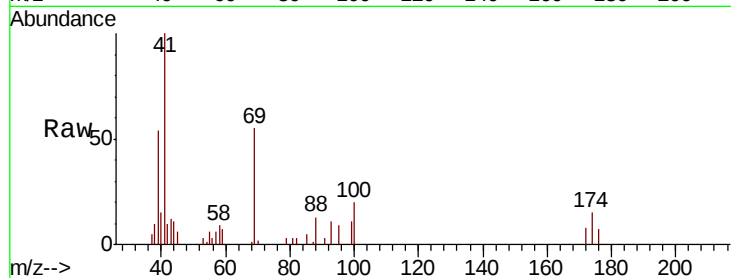
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
88	100	11172		
43	86.8	41.4	62.0#	
58	69.0	52.4	78.6	

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#50

Toluene-d8

Concen: 200.13 ug/l

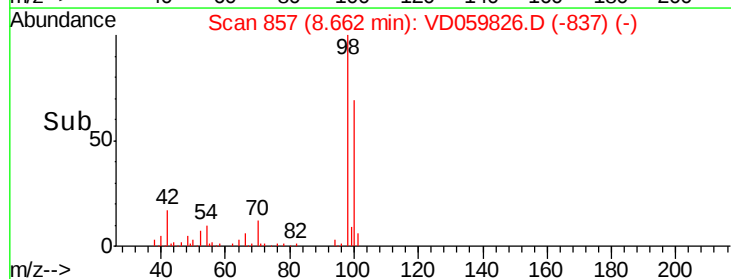
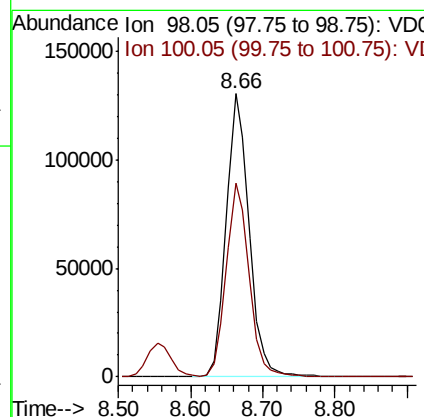
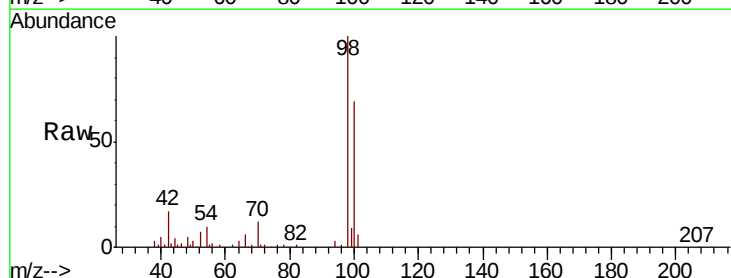
RT: 8.66 min Scan# 857

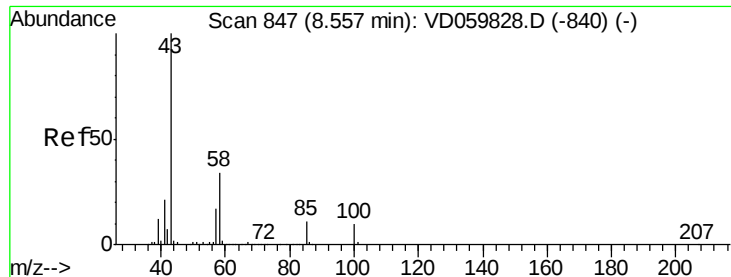
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	286766		
100	68.7	55.0	82.4	





#51

4-Methyl-2-Pentanone

Concen: 47.70 ug/l

RT: 8.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 393110

Ion Ratio Lower Upper

43 100

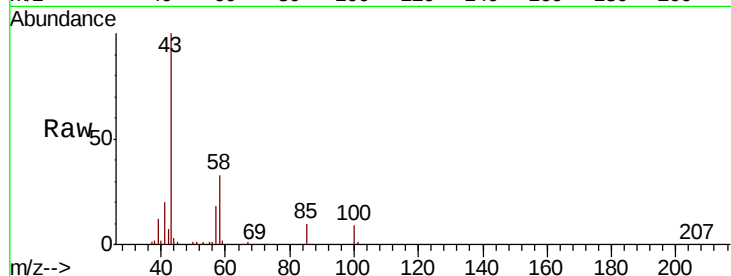
58 32.6 27.0 40.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

200000

150000

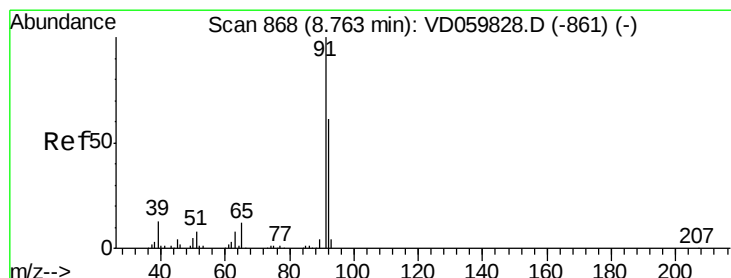
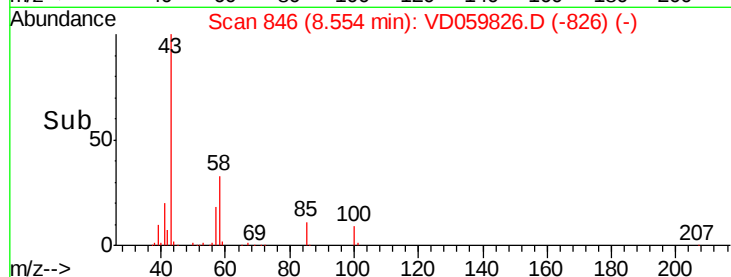
100000

50000

0

8.40 8.50 8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 10.09 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059826.D

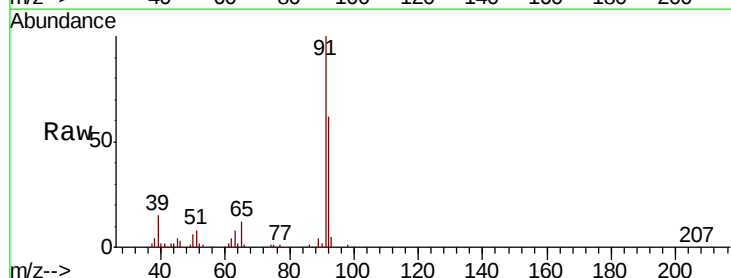
Acq: 20 Aug 2018 12:30

Tgt Ion: 92 Resp: 198366

Ion Ratio Lower Upper

92 100

91 162.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

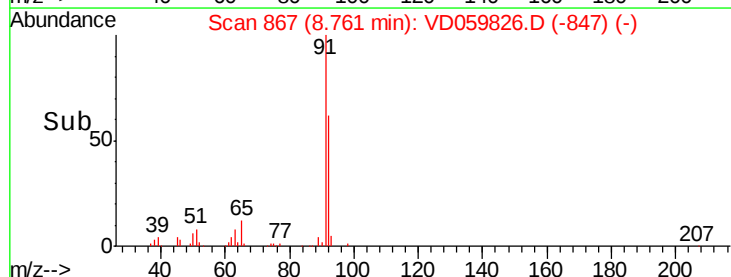
100000

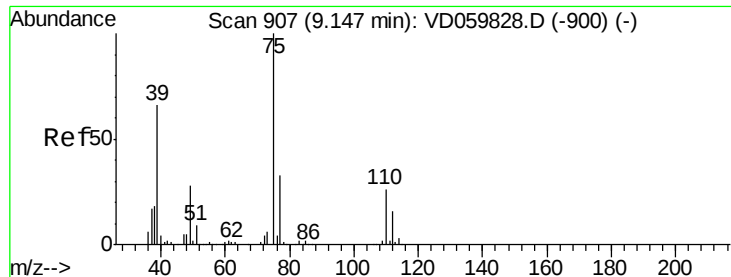
50000

0

8.70 8.80 8.90

Time-->





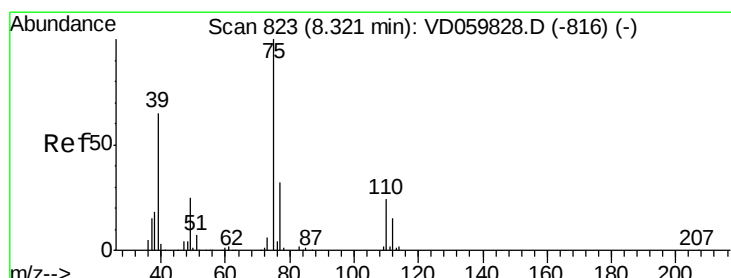
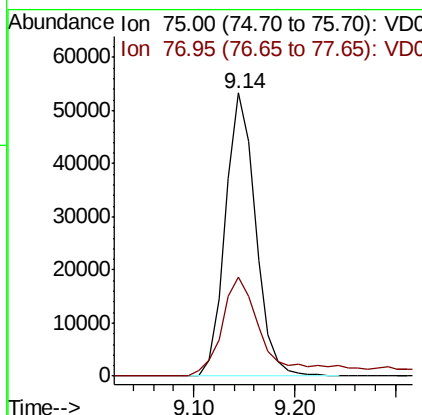
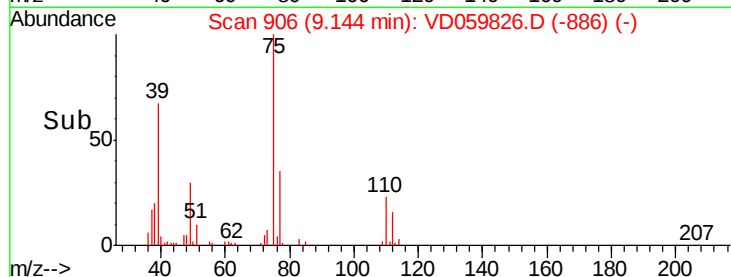
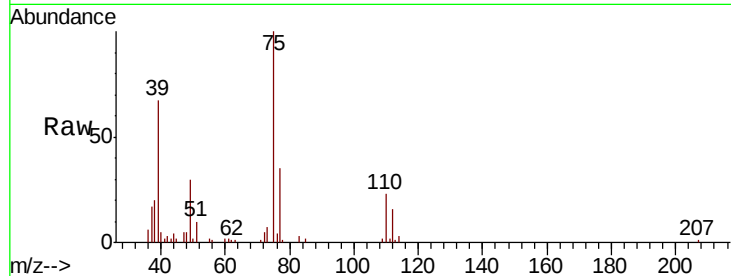
#53
 t-1,3-Dichloropropene
 Concen: 9.80 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 110573
 Ion Ratio Lower Upper
 75 100
 77 35.2 26.3 39.5

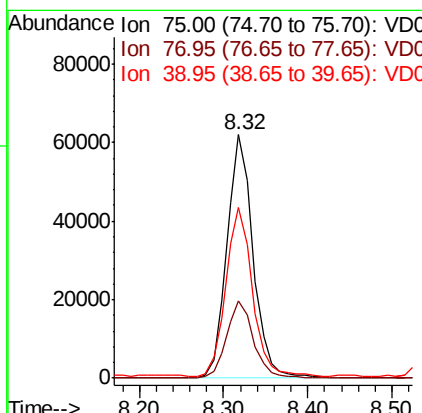
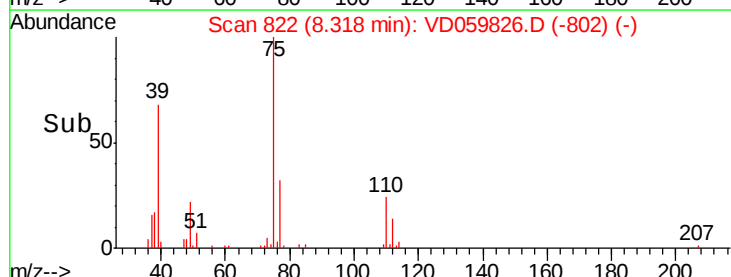
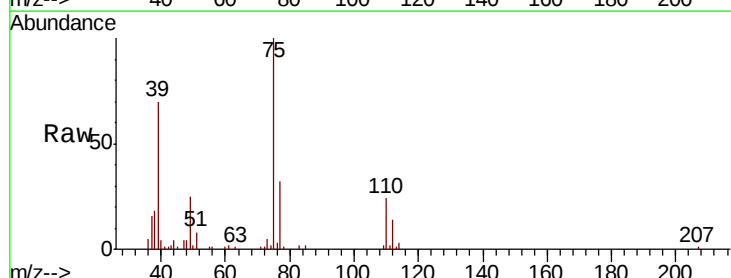
Manual Integrations
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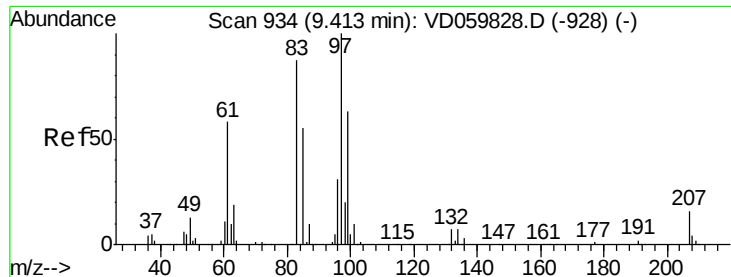
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 9.87 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 75 Resp: 133597
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8
 39 69.9 52.2 78.4





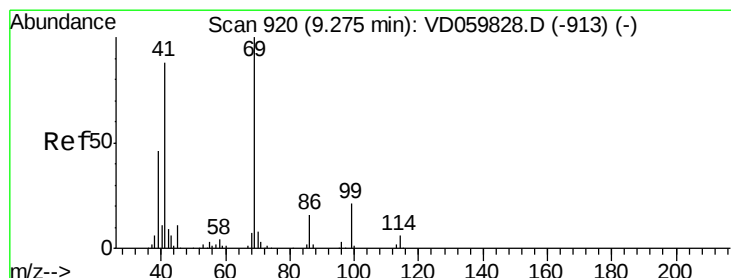
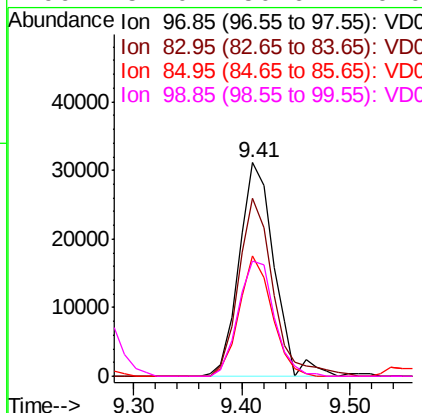
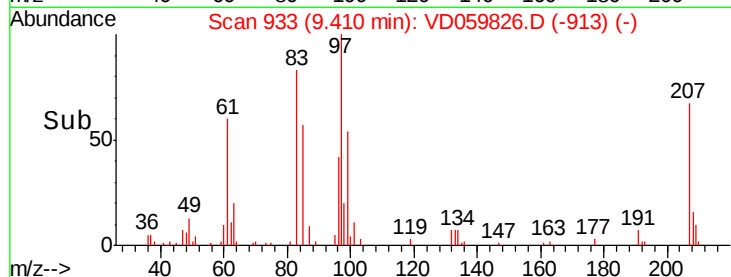
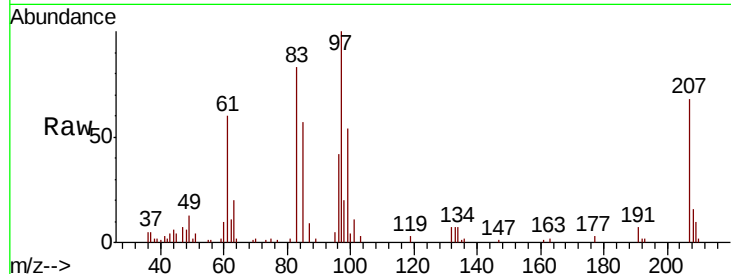
#55
 1,1,2-Trichloroethane
 Concen: 10.02 ug/l
 RT: 9.41 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	70077
Ion Ratio	Lower	Upper	
97	100		
83	83.0	69.2	103.8
85	56.6	44.3	66.5
99	54.0	50.6	76.0

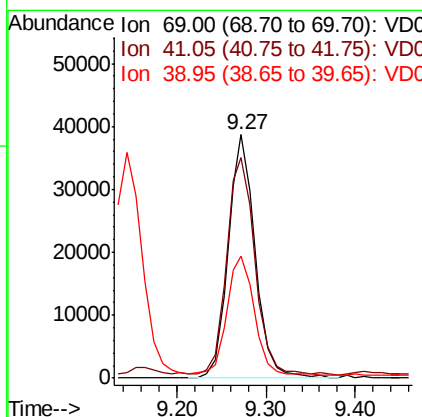
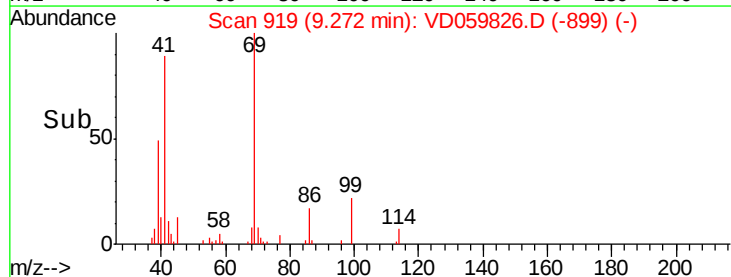
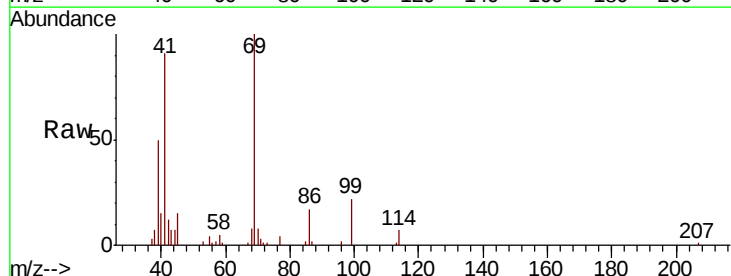
Manual Integrations
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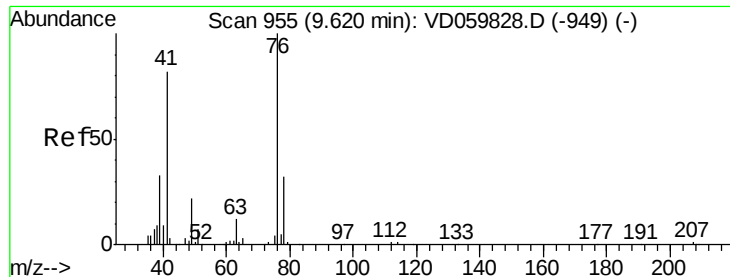
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#56
 Ethyl methacrylate
 Concen: 10.17 ug/l
 RT: 9.27 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion:	69	Resp:	81767
Ion Ratio	Lower	Upper	
69	100		
41	90.7	71.0	106.4
39	50.3	38.0	57.0





#57

1,3-Dichloropropane

Concen: 10.18 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 103897

Ion Ratio Lower Upper

76 100

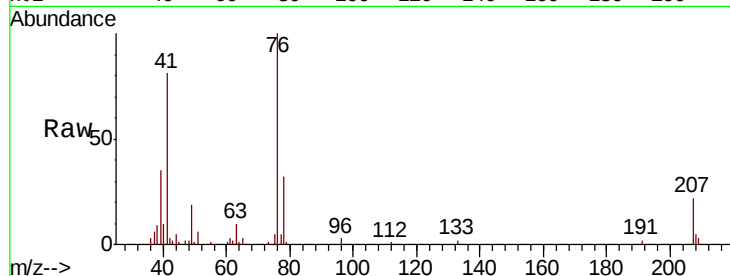
78 31.6 25.5 38.3

Manual Integrations

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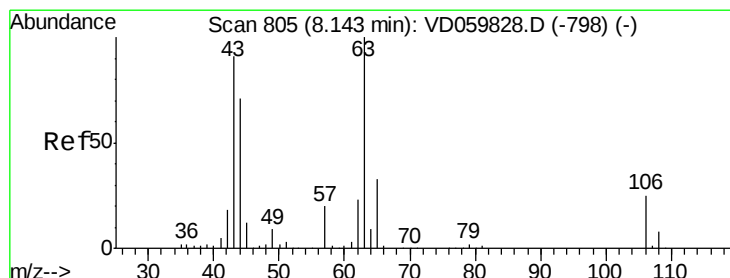
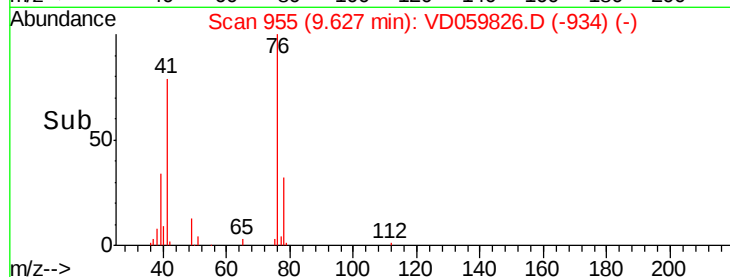
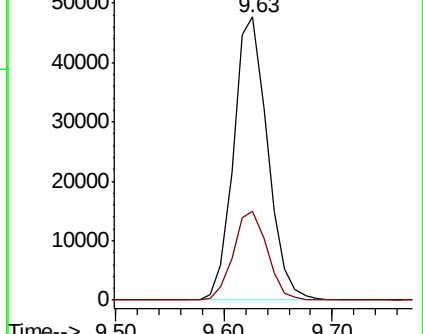
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 54.26 ug/l

RT: 8.14 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD059826.D

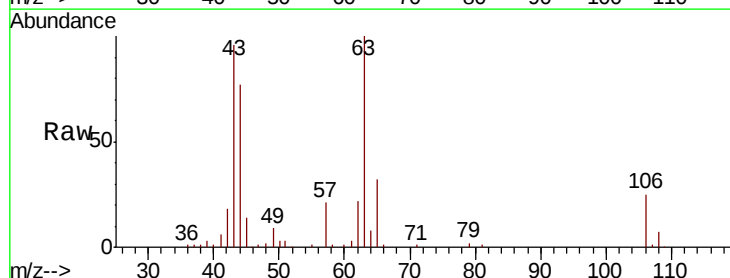
Acq: 20 Aug 2018 12:30

Tgt Ion: 63 Resp: 224085

Ion Ratio Lower Upper

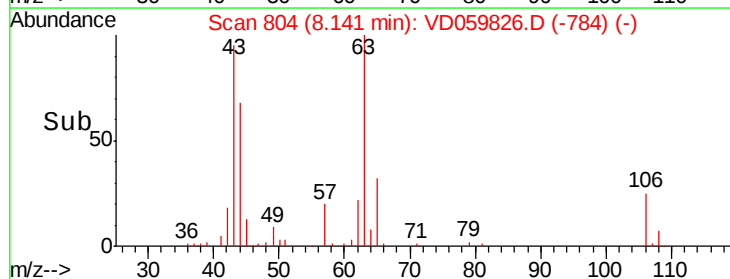
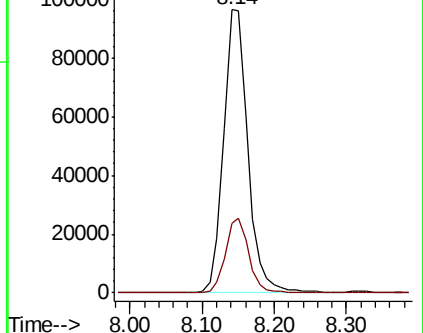
63 100

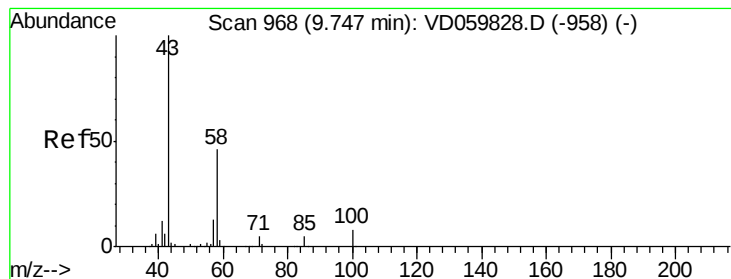
106 24.7 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 47.89 ug/l

RT: 9.74 min Scan# 967

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 290658

Ion Ratio Lower Upper

43 100

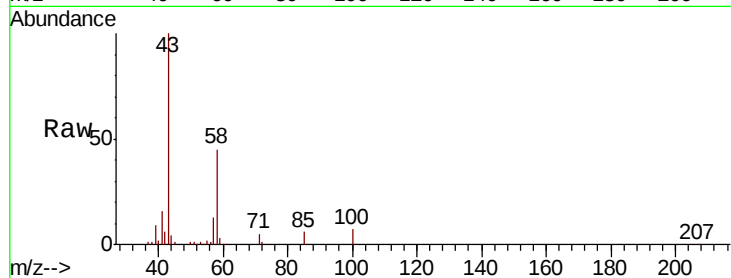
58 44.7 23.1 69.2

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

150000

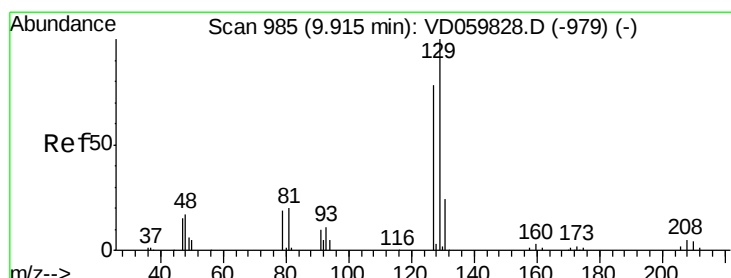
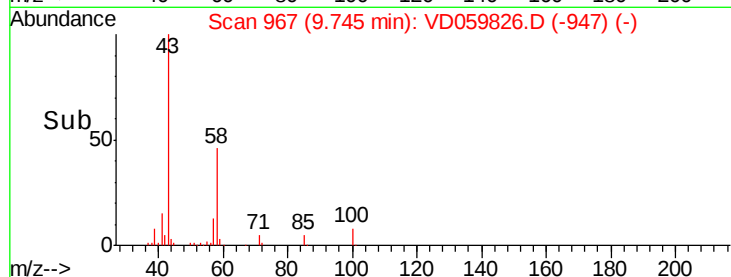
100000

50000

0

9.70 9.80

Time-->



#60

Dibromochloromethane

Concen: 9.92 ug/l

RT: 9.92 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD059826.D

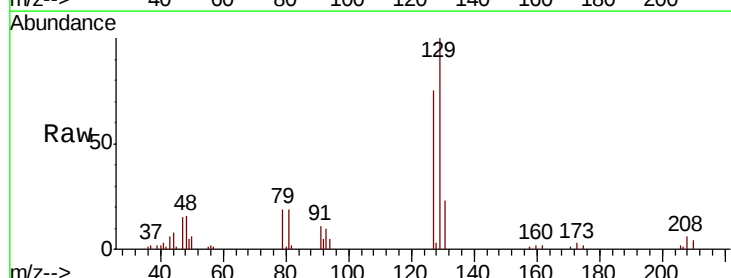
Acq: 20 Aug 2018 12:30

Tgt Ion: 129 Resp: 89236

Ion Ratio Lower Upper

129 100

127 74.9 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

40000

30000

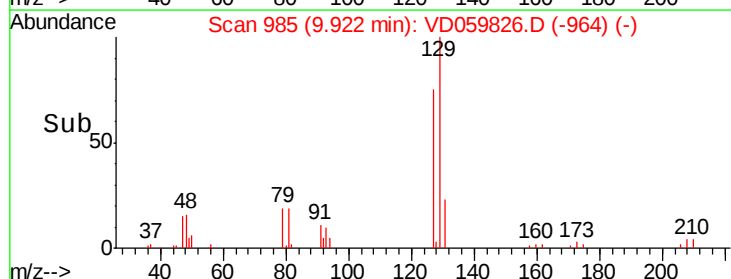
20000

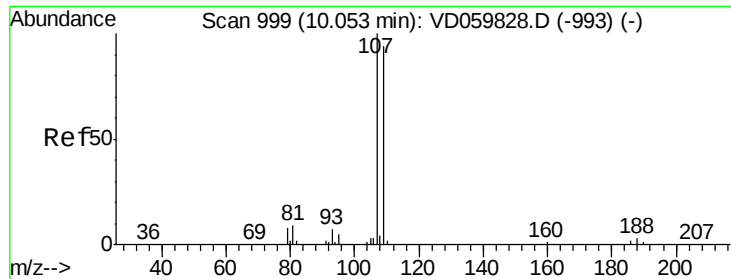
10000

0

9.80 9.90 10.00

Time-->





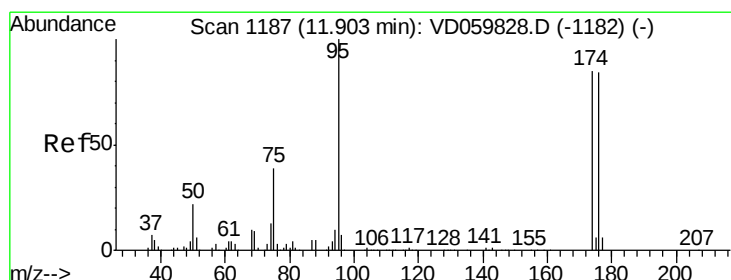
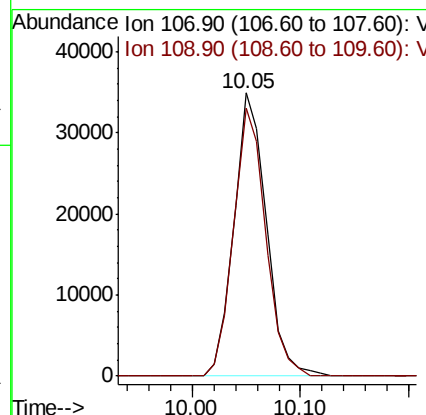
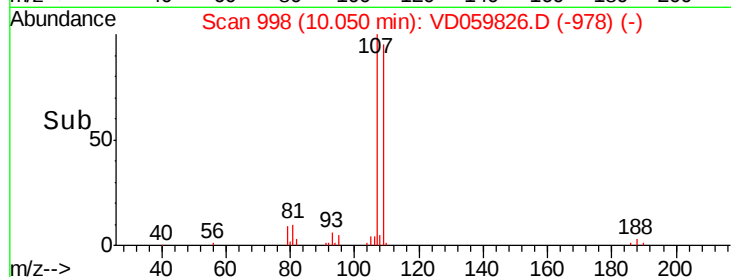
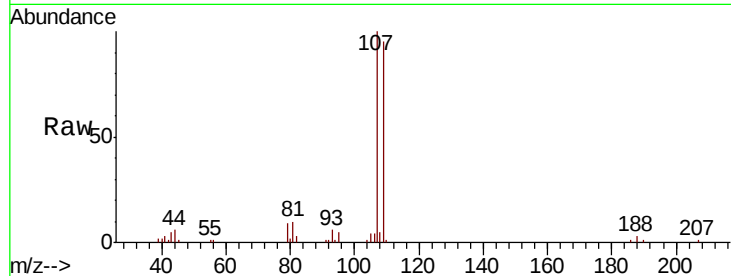
#61
 1,2-Dibromoethane
 Concen: 9.76 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

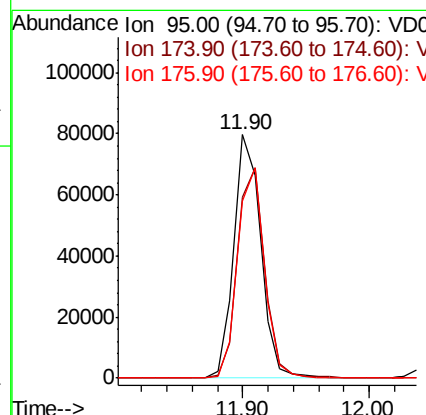
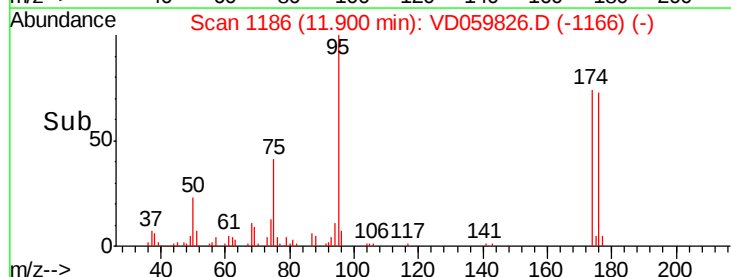
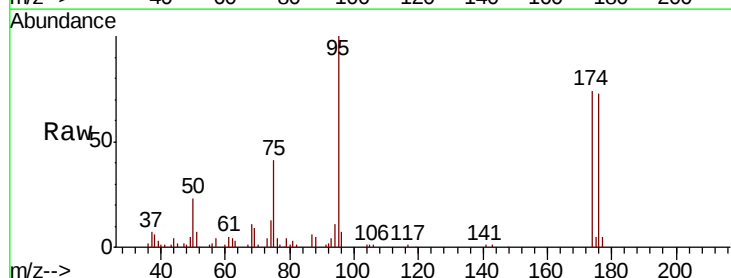
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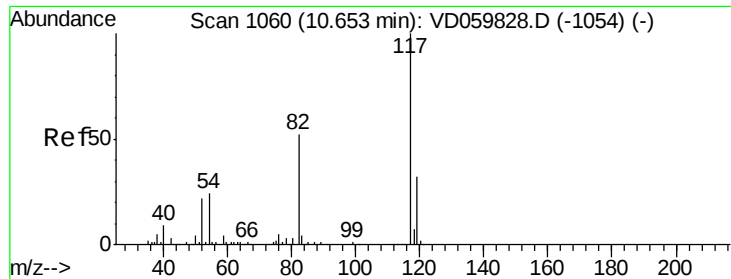
apatel
 8/21/2018 10:23:24 AM



#62
 4-Bromofluorobenzene
 Concen: 9.76 ug/l
 RT: 11.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	169.2
176	72.9	0.0	168.0





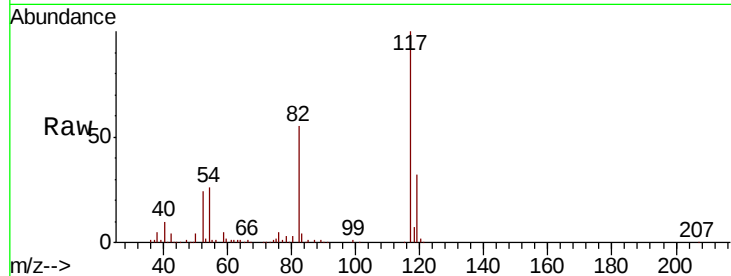
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	41.6	62.4
119	31.8	25.6	38.4

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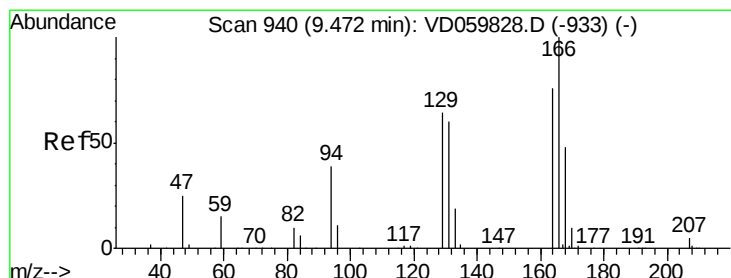
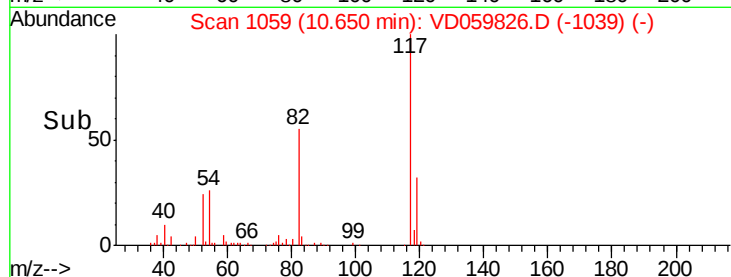
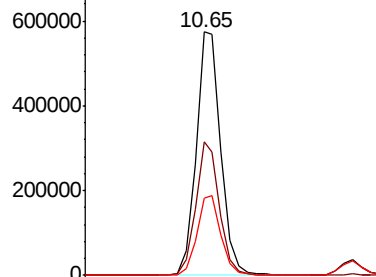


Abundance

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: 9.75 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	104.9	157.3
129	82.1	66.7	100.1
131	78.0	63.1	94.7

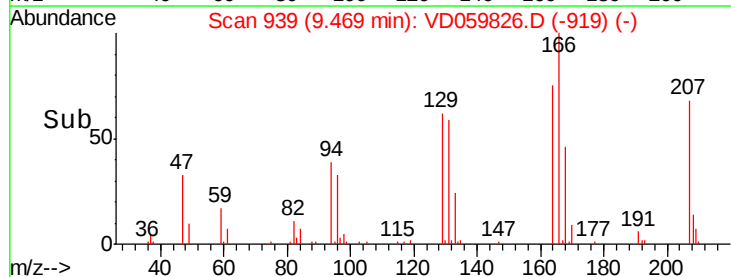
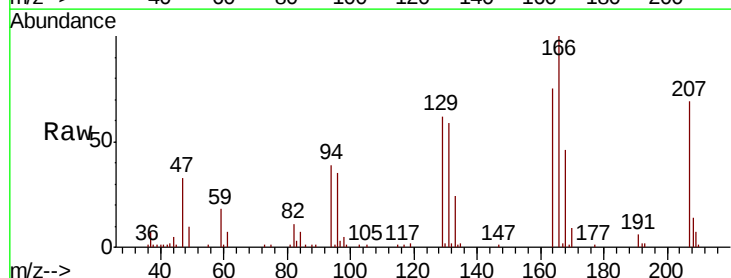
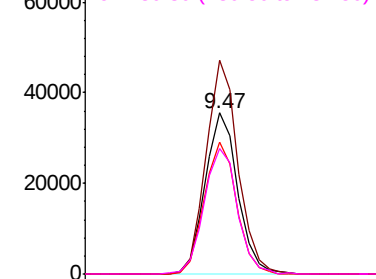
Abundance

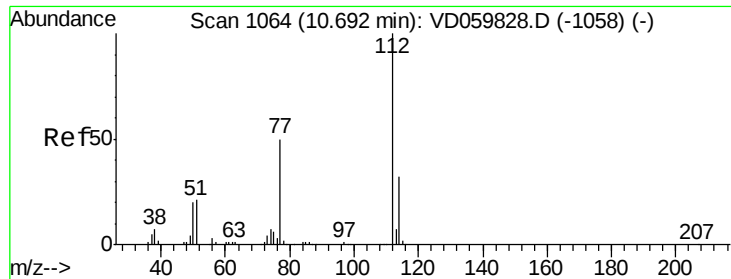
Ion 163.85 (163.55 to 164.55): V

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





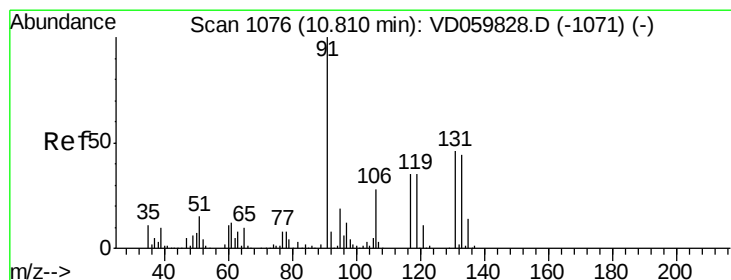
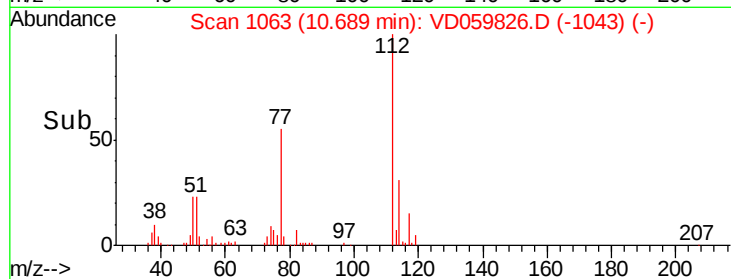
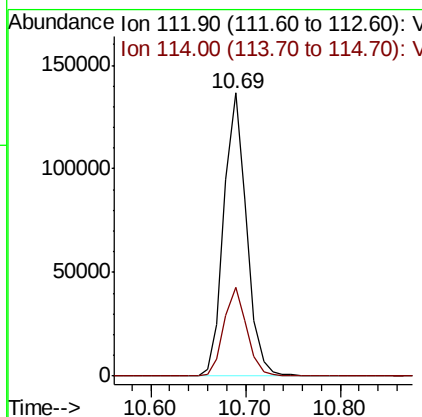
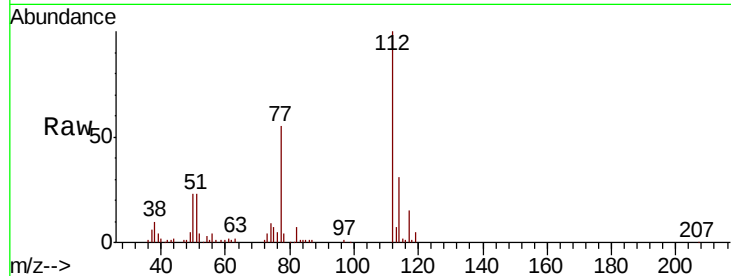
#65
Chlorobenzene
Concen: 10.46 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.7	38.5

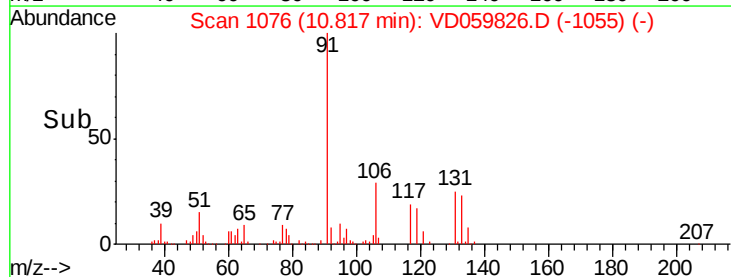
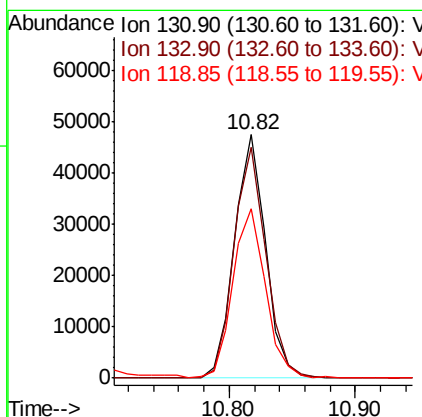
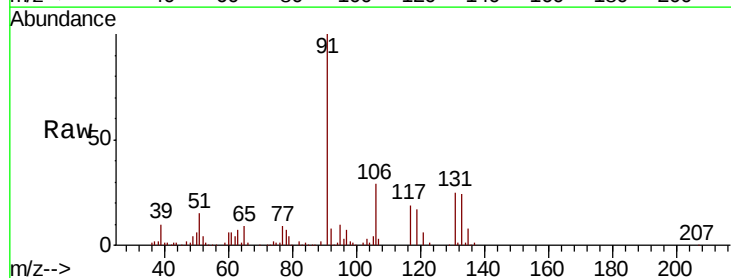
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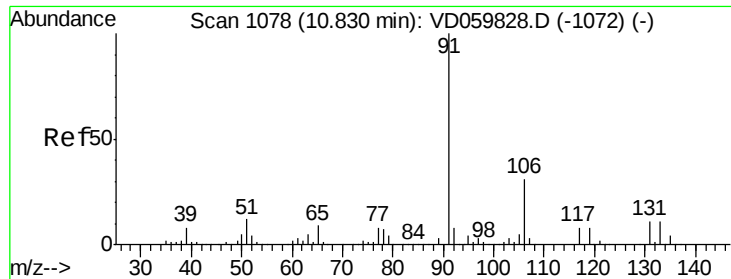
apatel
8/21/2018 10:23:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.80 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.4
119	69.7	37.5	112.7





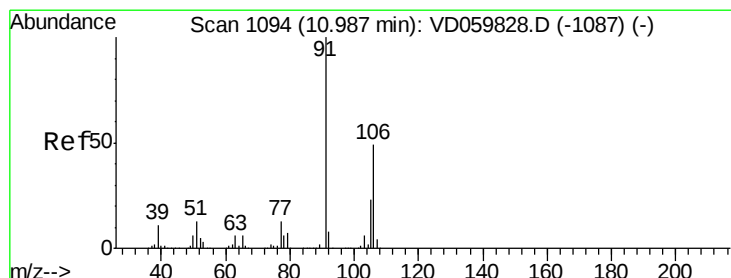
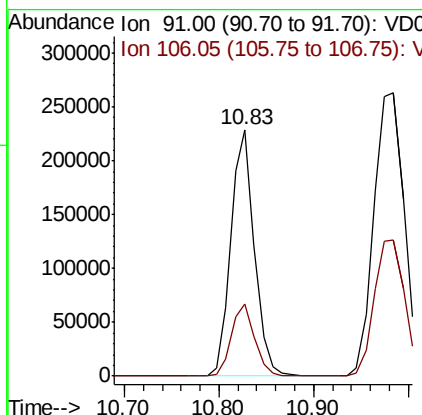
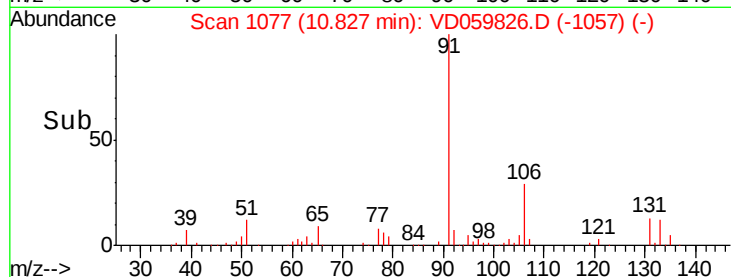
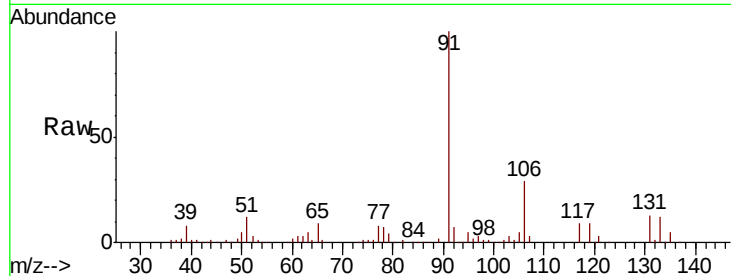
#67
Ethyl Benzene
Concen: 11.04 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 392303
Ion Ratio Lower Upper
91 100
106 29.3 25.1 37.7

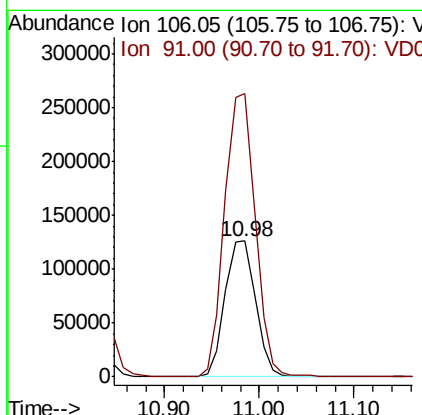
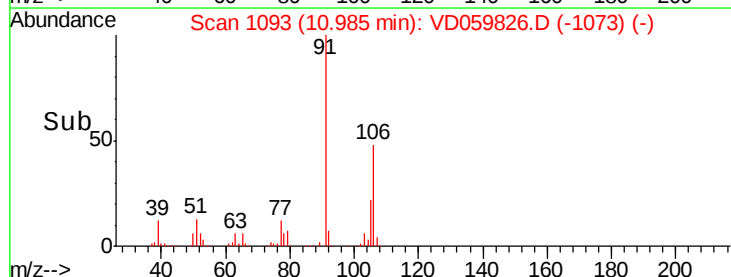
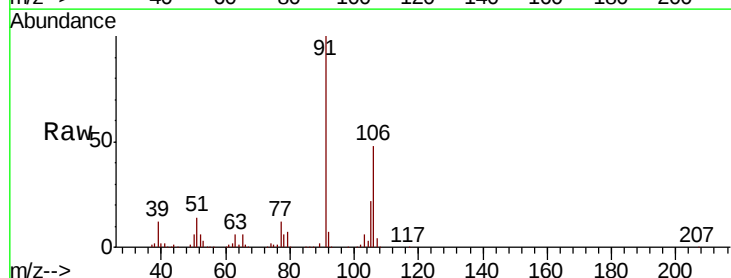
Manual Integrations
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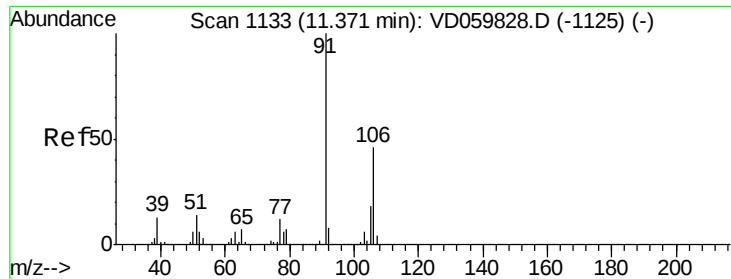
apatel
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#68
m/p-Xylenes
Concen: 21.76 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 106 Resp: 283101
Ion Ratio Lower Upper
106 100
91 208.1 161.8 242.8





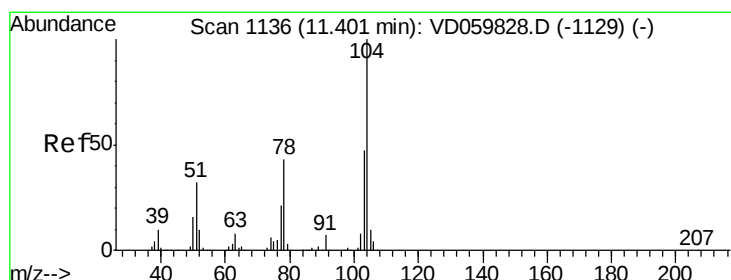
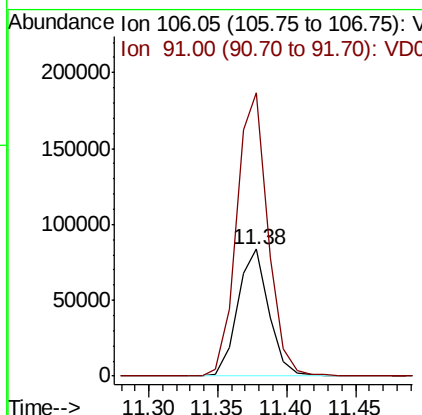
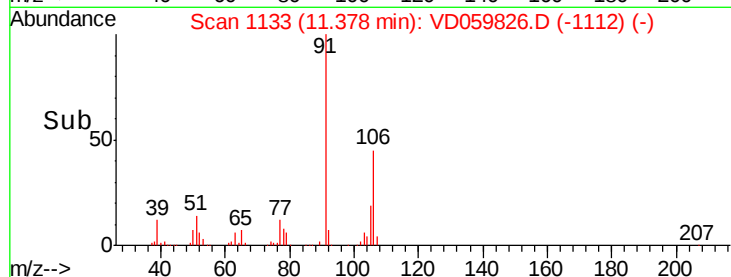
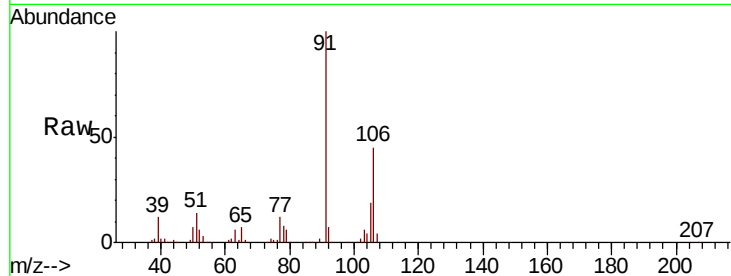
#69
o-Xylene
Concen: 10.34 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
106	100	131506		
91	223.1	108.5	325.3	

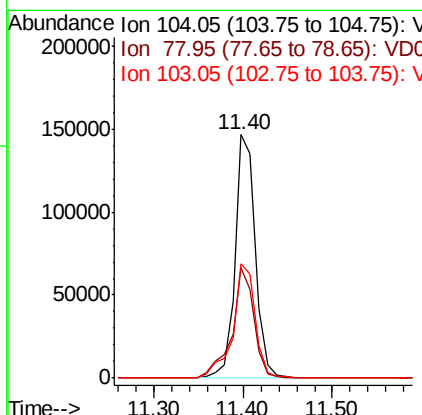
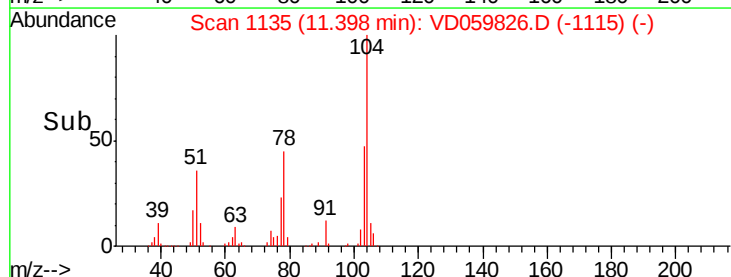
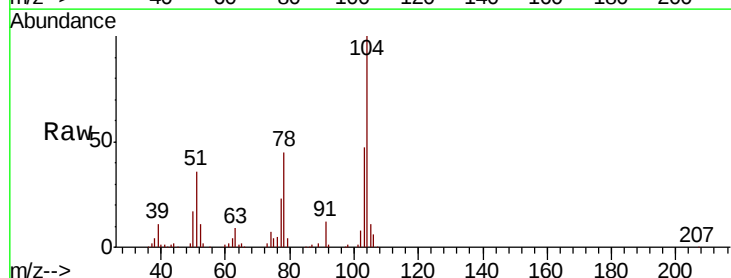
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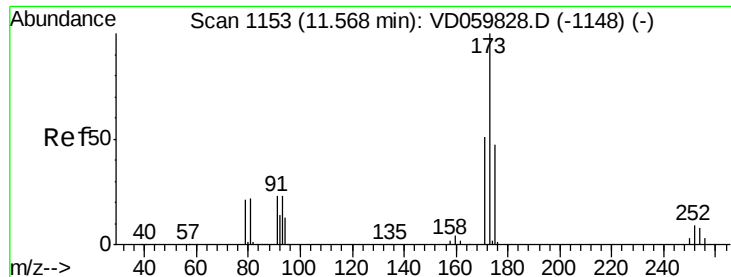
apatel
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#70
Styrene
Concen: 10.59 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	233248		
78	45.3	34.6	52.0	
103	46.9	37.8	56.6	





#71

Bromoform

Concen: 9.89 ug/l

RT: 11.58 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 64686

Ion Ratio Lower Upper

173 100

175 47.0 23.7 71.1

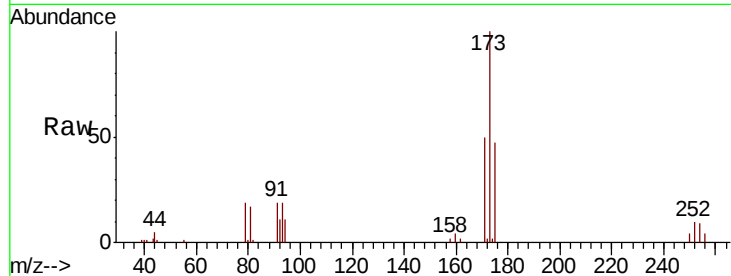
254 9.0 6.7 10.1

Manual Integrations

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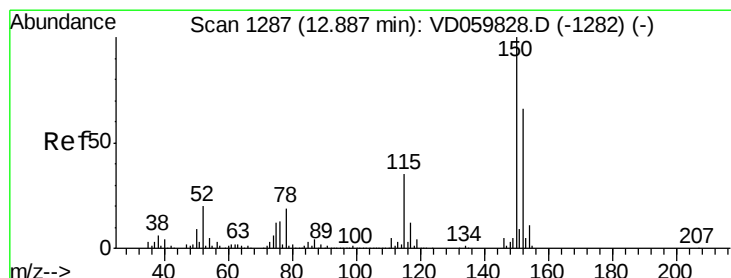
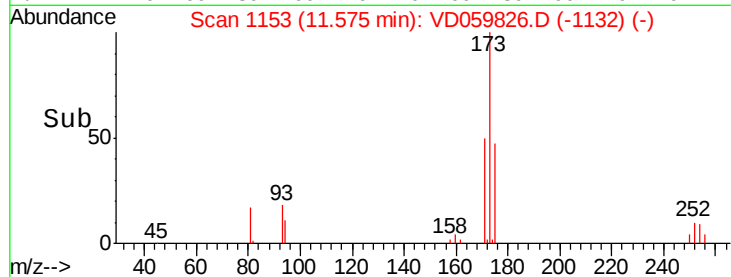
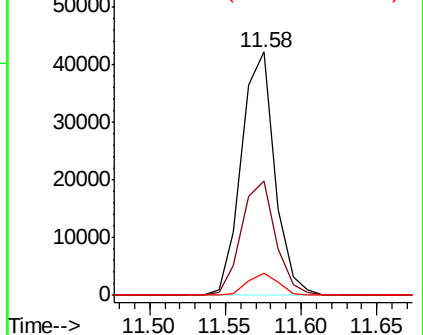
8/21/2018 10:23:24 AM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

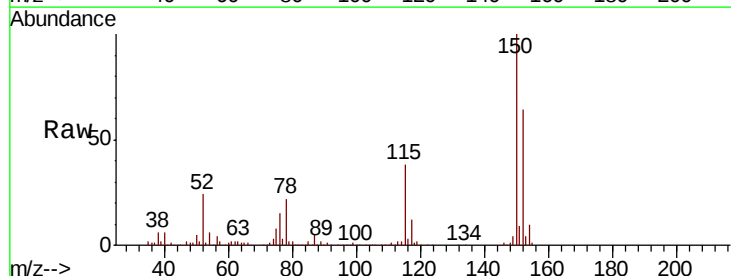
Tgt Ion:152 Resp: 529193

Ion Ratio Lower Upper

152 100

115 58.7 26.9 80.6

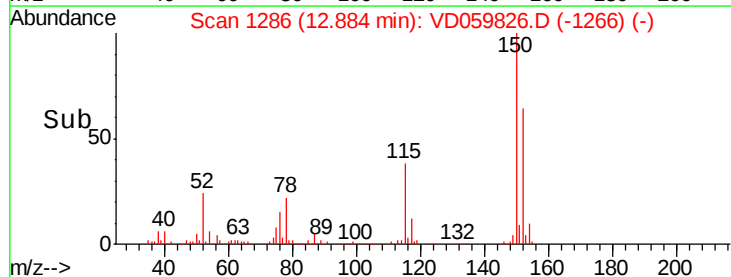
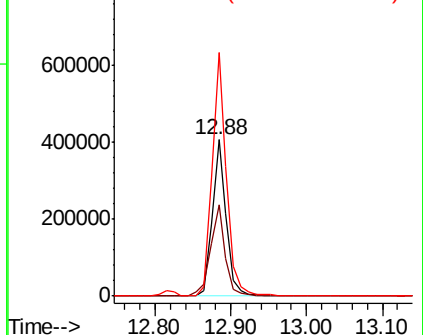
150 155.9 0.0 306.8

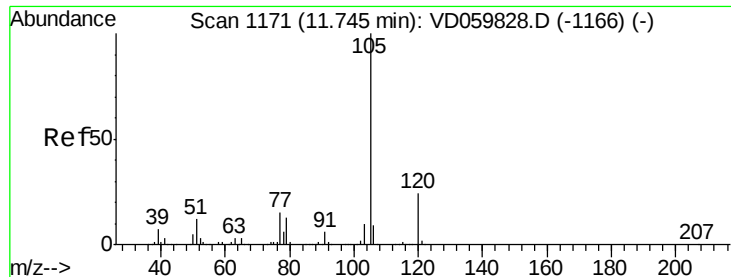


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.13 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 105 Resp: 365651

Ion Ratio Lower Upper

105 100

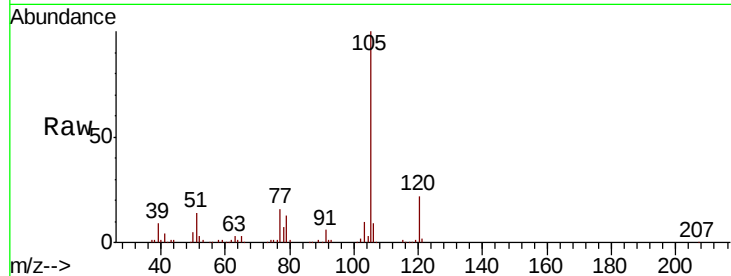
120 22.5 11.9 35.5

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

0

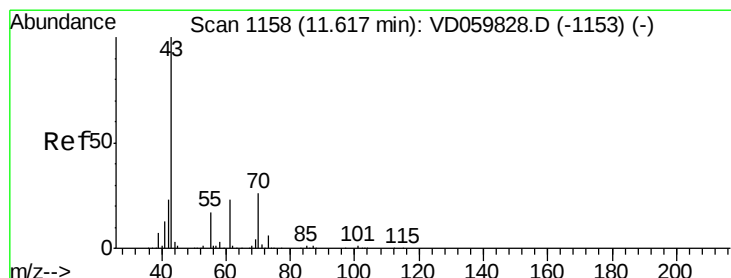
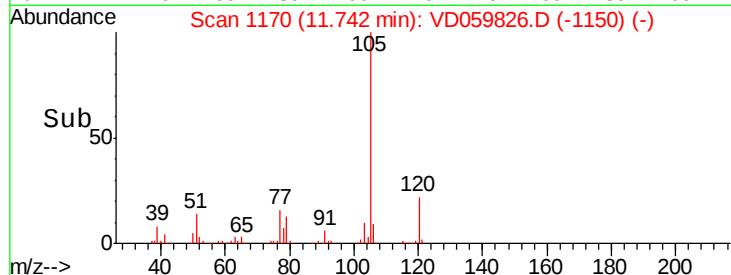
11.74

11.70

11.80

11.90

Time-->



#74

N-ethyl acetate

Concen: 9.76 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion: 43 Resp: 155721

Ion Ratio Lower Upper

43 100

70 23.5 20.5 30.7

55 17.2 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

150000

100000

50000

0

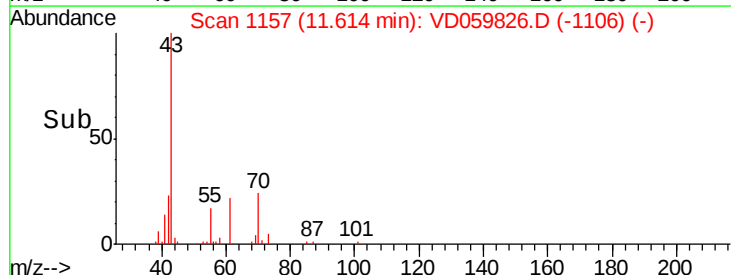
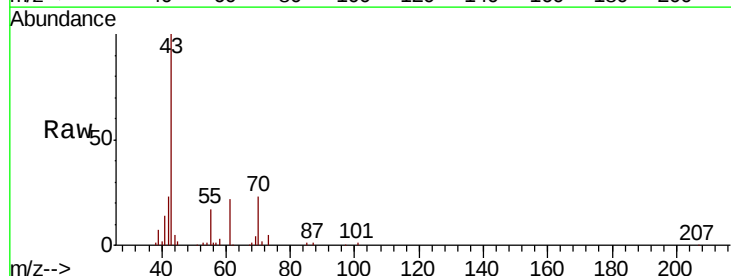
11.61

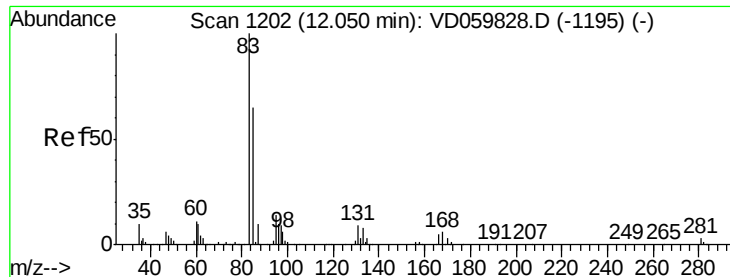
11.50

11.60

11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.03 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

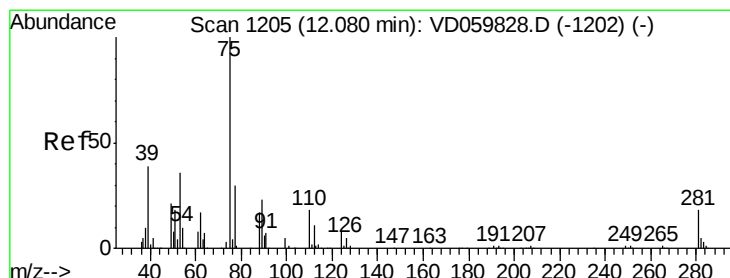
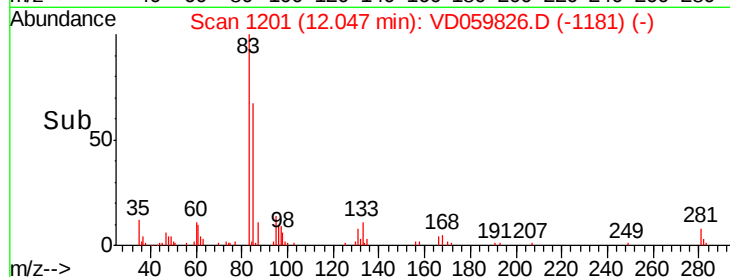
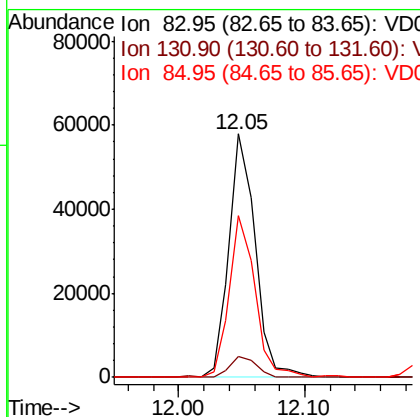
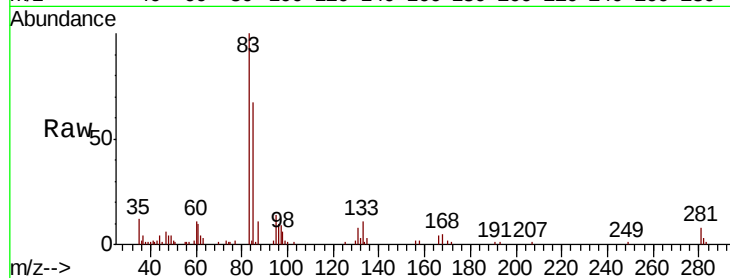
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	83211
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	13.1
85	66.6	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.67 ug/l

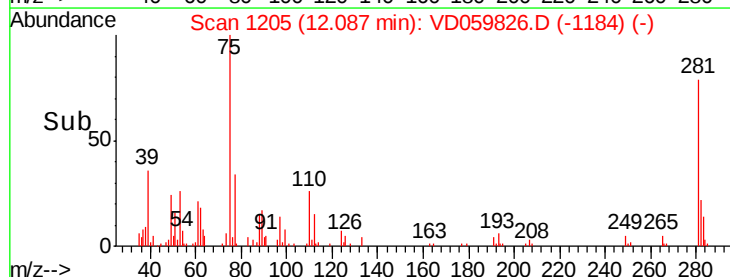
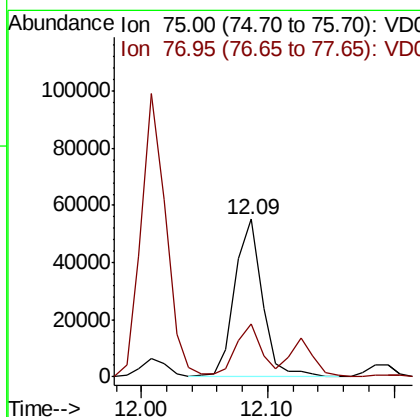
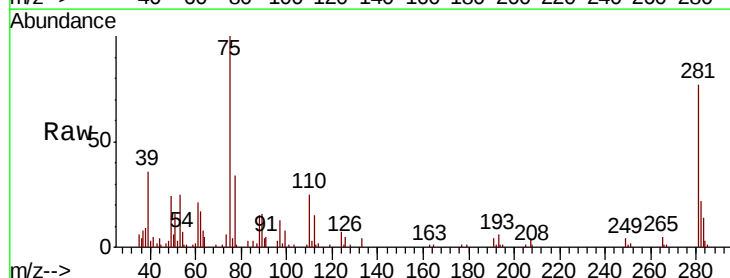
RT: 12.09 min Scan# 1205

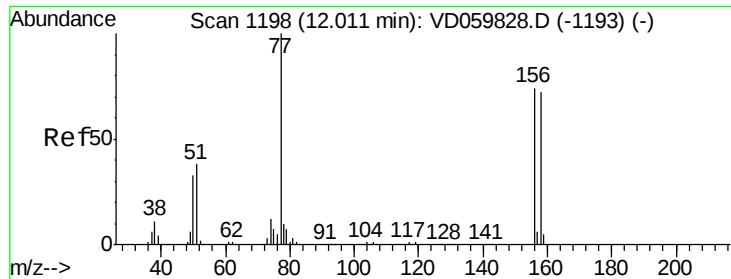
Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	75	Resp:	83653
Ion Ratio	Lower	Upper	
75	100		
77	33.6	16.0	47.9





#77

Bromobenzene

Concen: 9.69 ug/l

RT: 12.01 min Scan# 1197

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 97087

Ion Ratio Lower Upper

156 100

77 157.0 68.0 204.0

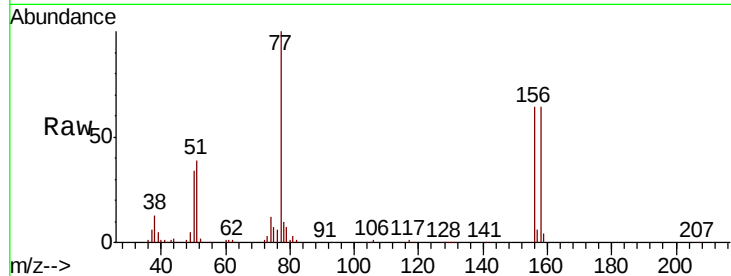
158 100.7 48.9 146.8

Manual Integrations

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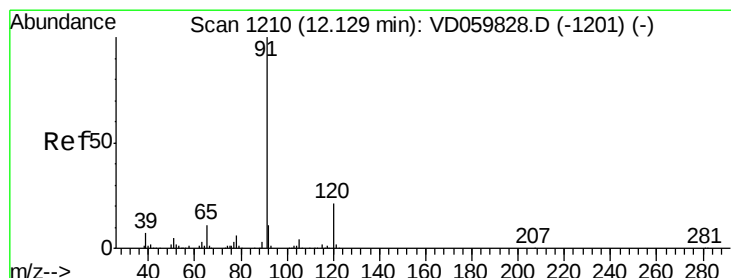
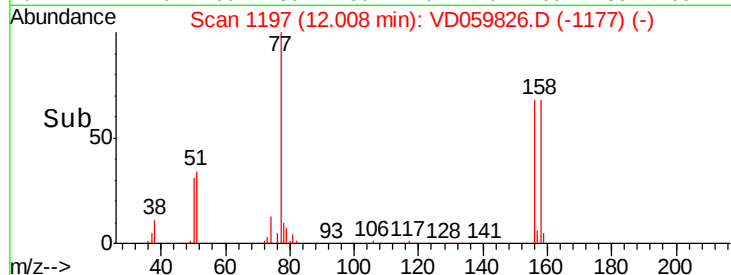
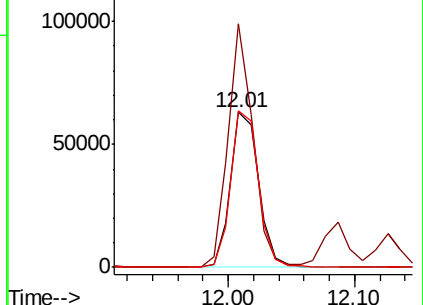
8/21/2018 10:23:24 AM



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: 10.49 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059826.D

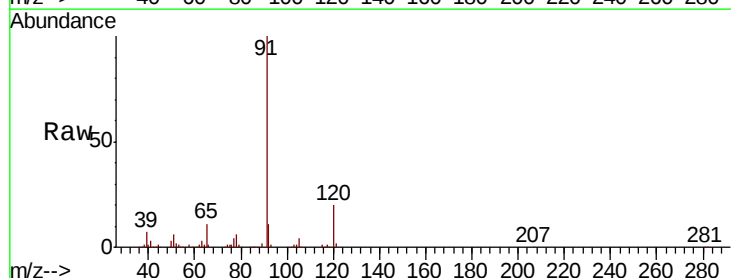
Acq: 20 Aug 2018 12:30

Tgt Ion: 91 Resp: 475788

Ion Ratio Lower Upper

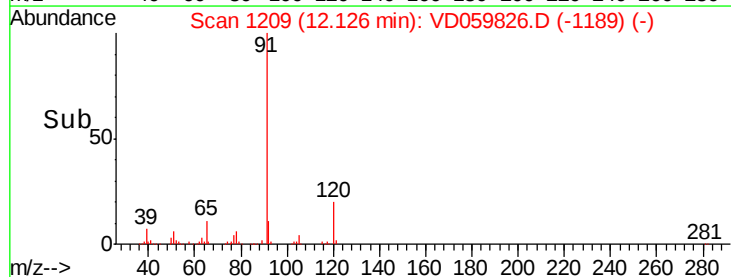
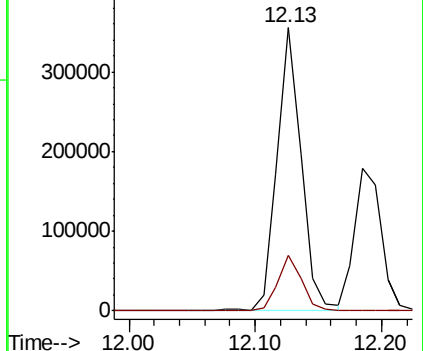
91 100

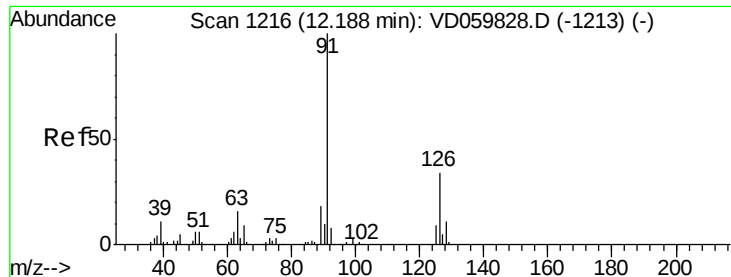
120 19.6 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.07 ug/l

RT: 12.19 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 260808

Ion Ratio Lower Upper

91 100

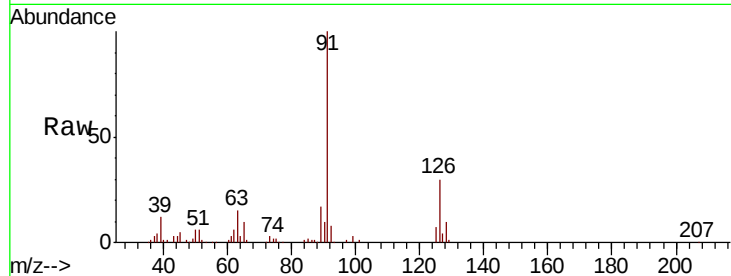
126 30.0 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

400000

300000

200000

100000

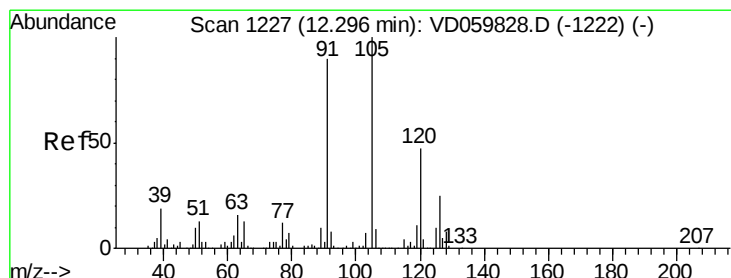
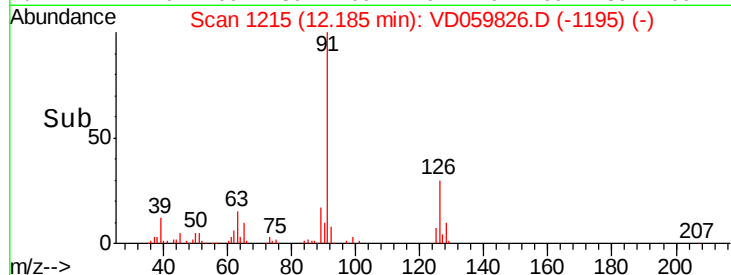
0

12.15

12.20

12.25

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 11.06 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059826.D

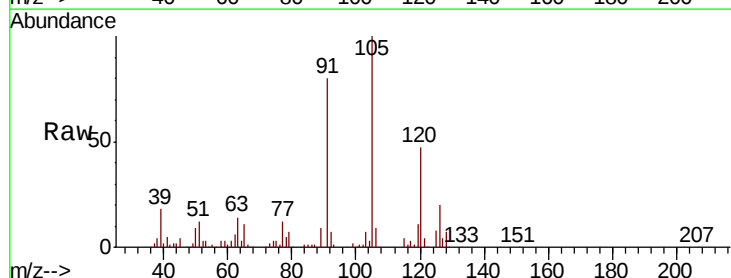
Acq: 20 Aug 2018 12:30

Tgt Ion:105 Resp: 299550

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

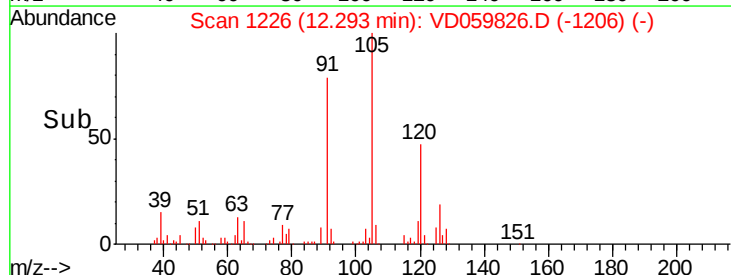
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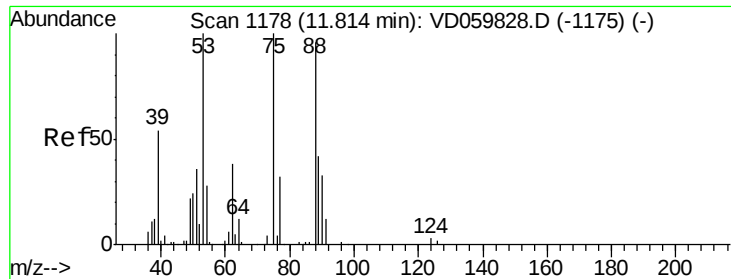
12.20

12.30

12.40

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 9.74 ug/l

RT: 11.81 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

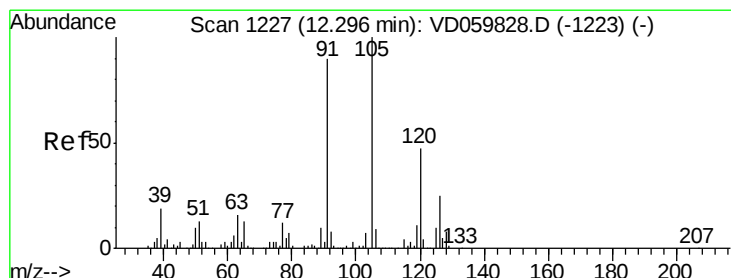
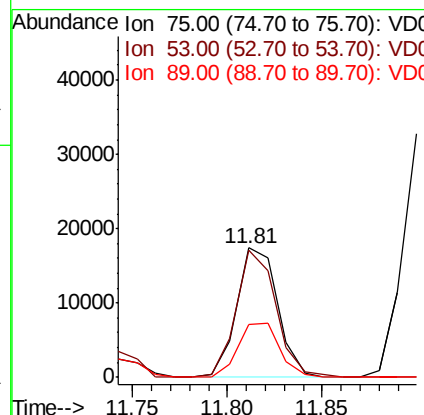
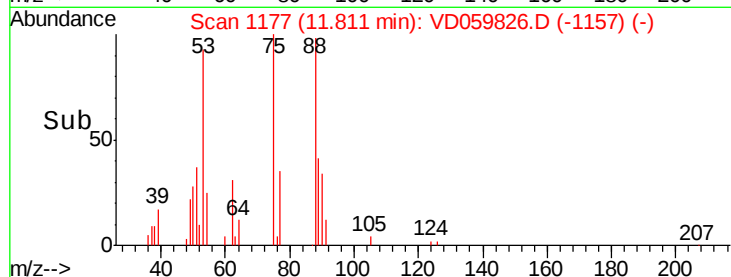
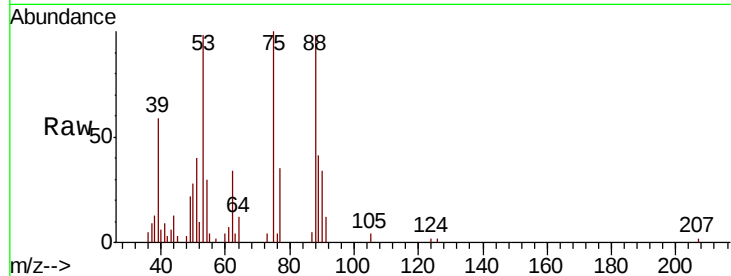
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	26066
Ion	Ratio	Lower	Upper
75	100		
53	98.4	80.7	121.1
89	41.2	33.9	50.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 11.05 ug/l

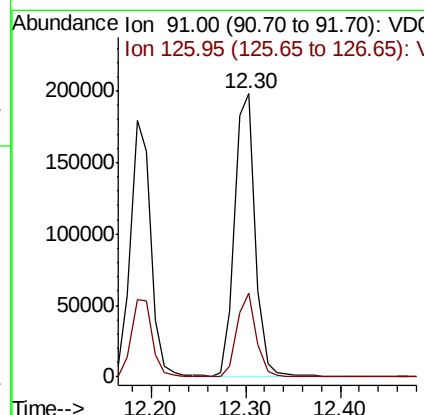
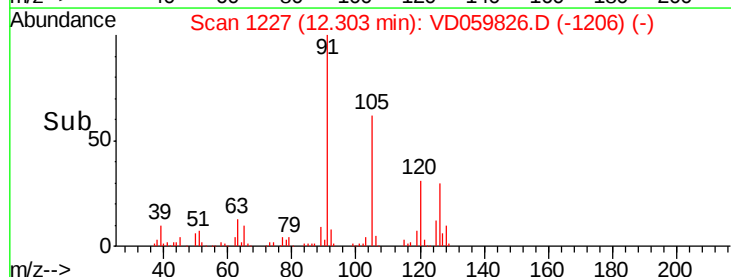
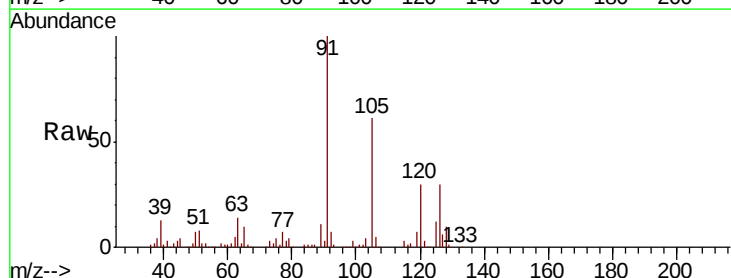
RT: 12.30 min Scan# 1227

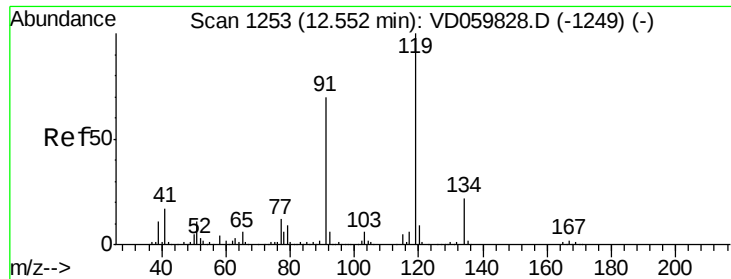
Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	91	Resp:	297458
Ion	Ratio	Lower	Upper
91	100		
126	29.7	13.7	41.0





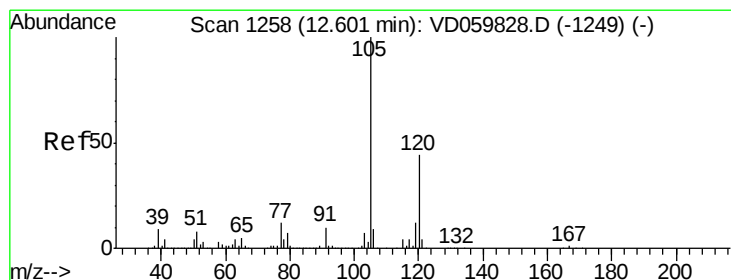
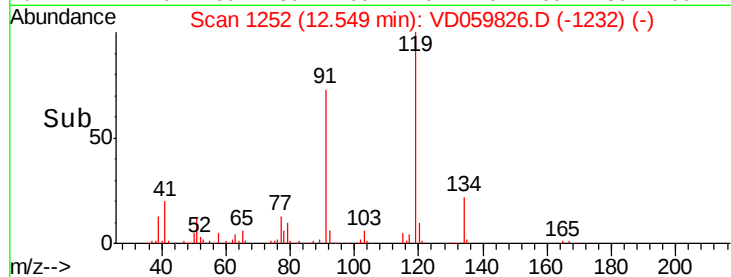
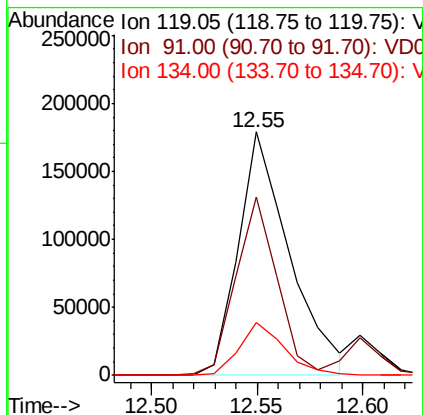
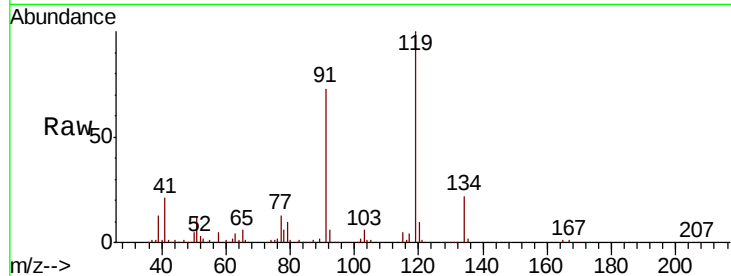
#83
tert-Butylbenzene
Concen: 9.52 ug/l m
RT: 12.55 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303032		
91	73.3	35.1	105.3	
134	21.6	11.0	33.0	

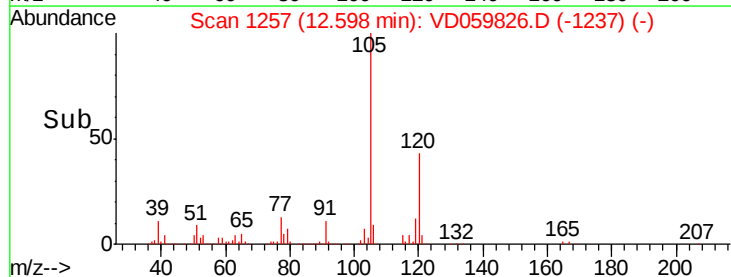
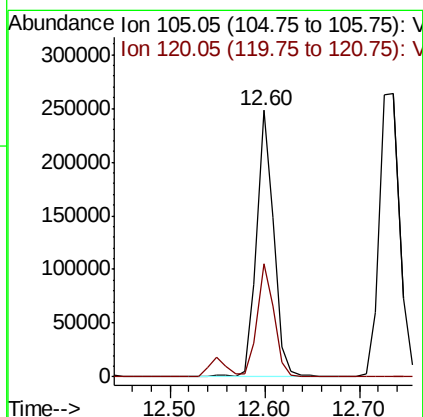
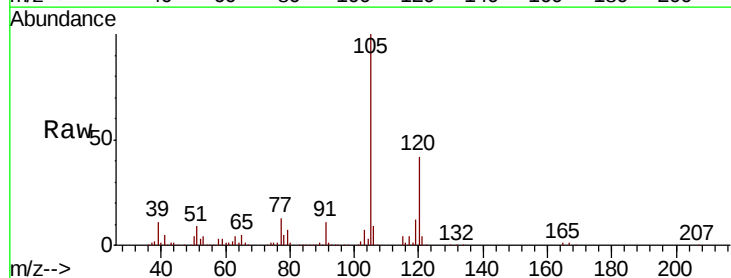
Manual Integrations
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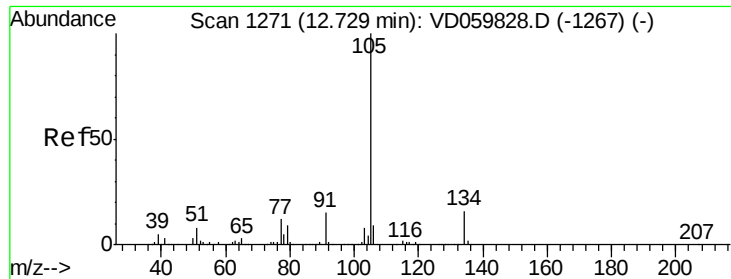
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 10.41 ug/l
RT: 12.60 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311866		
120	42.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 10.55 ug/l

RT: 12.74 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion:105 Resp: 402566

Ion Ratio Lower Upper

105 100

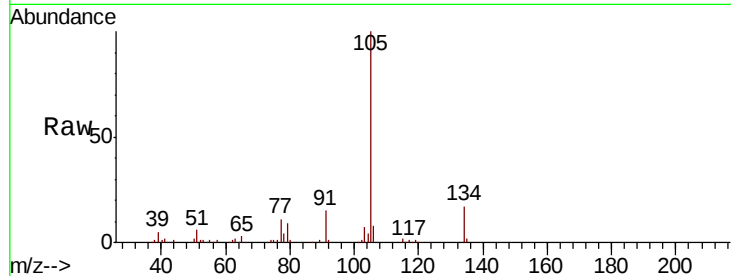
134 17.4 7.8 23.5

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.74

250000

200000

150000

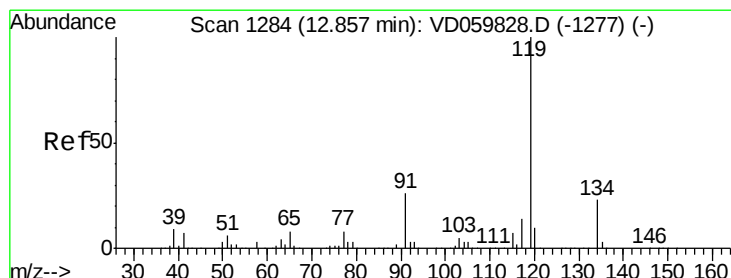
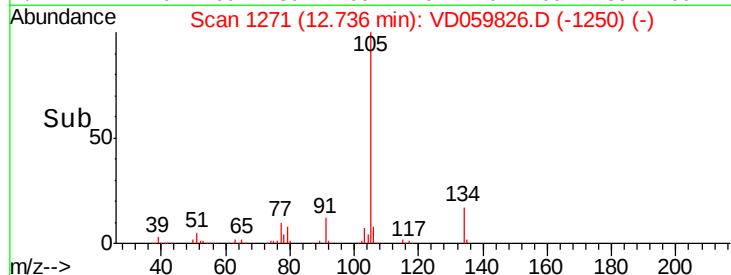
100000

50000

0

12.70 12.80

Time-->



#86

p-Isopropyltoluene

Concen: 10.59 ug/l

RT: 12.86 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

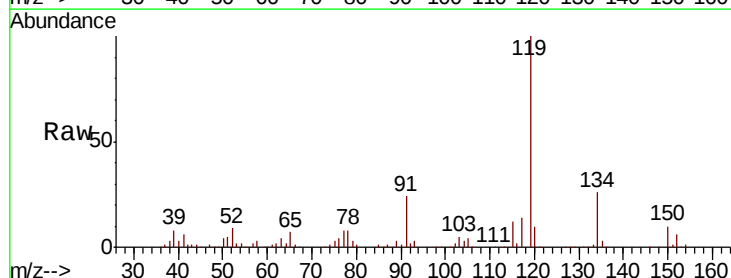
Tgt Ion:119 Resp: 317298

Ion Ratio Lower Upper

119 100

134 25.7 11.5 34.5

91 24.1 13.2 39.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.86

300000

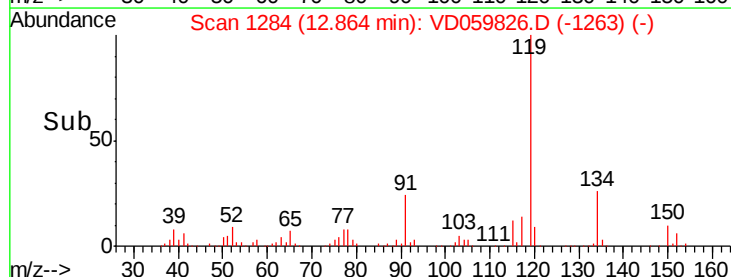
200000

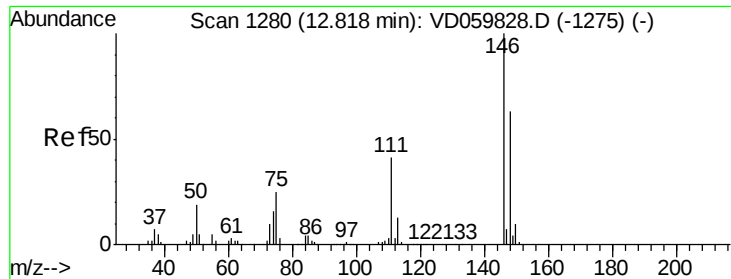
100000

0

12.70 12.80 12.90 13.00

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.47 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

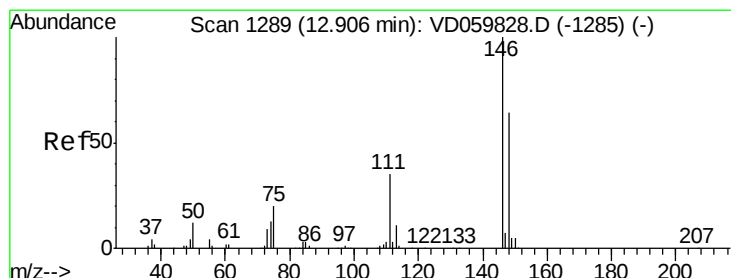
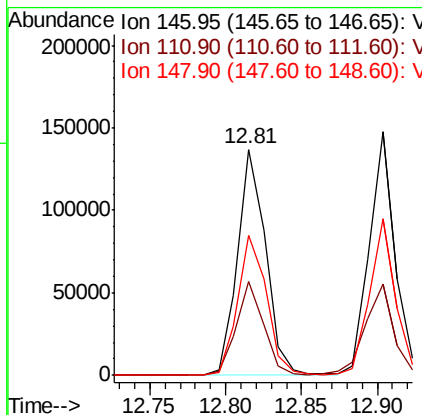
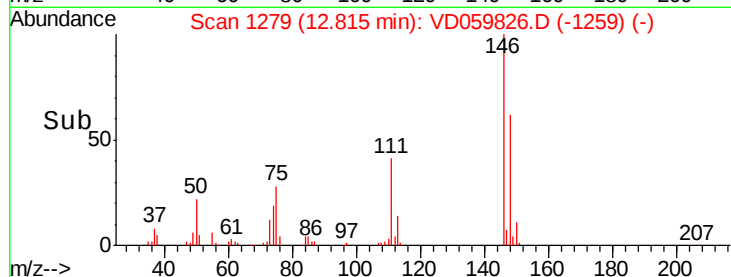
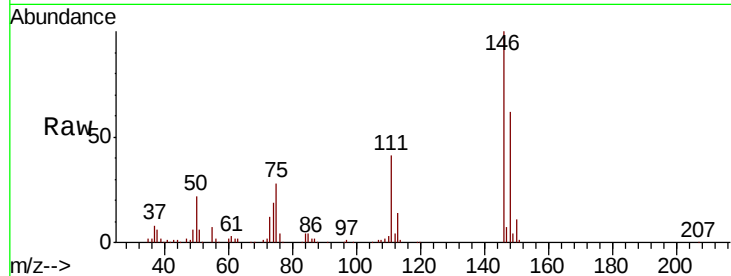
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	176962
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.3	60.9
148	61.7	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.49 ug/l

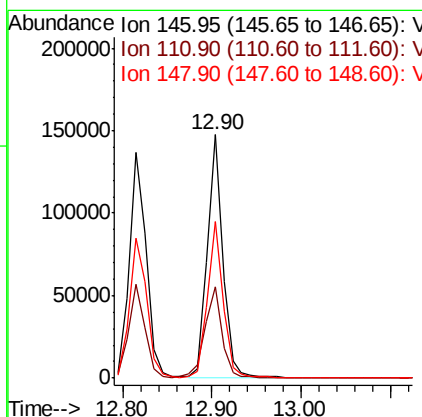
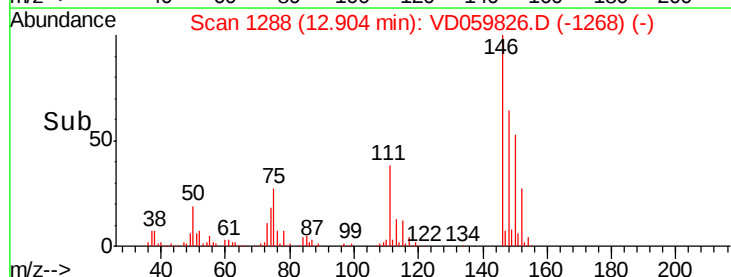
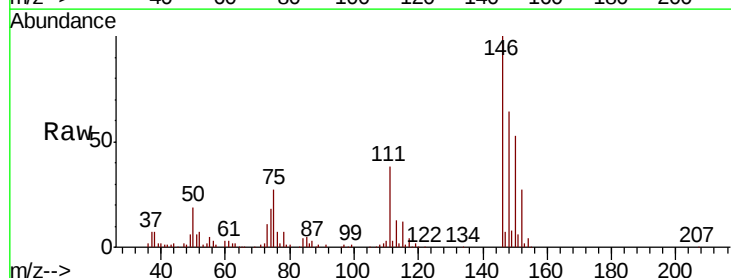
RT: 12.90 min Scan# 1288

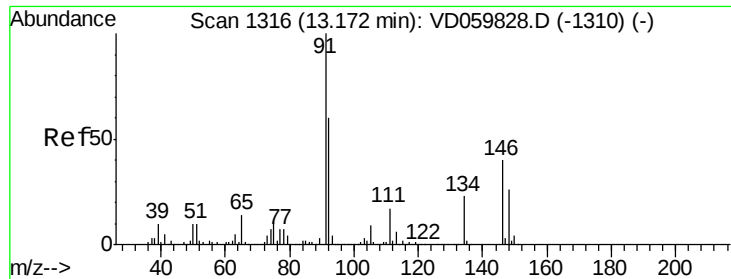
Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion:	146	Resp:	178411
Ion Ratio	Lower	Upper	
146	100		
111	37.5	17.8	53.3
148	64.1	31.9	95.9





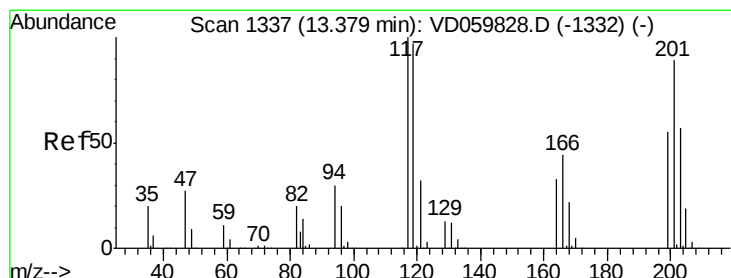
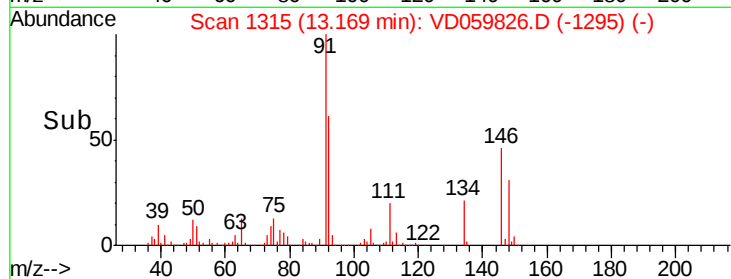
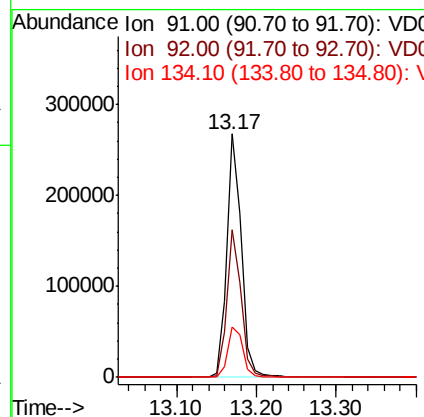
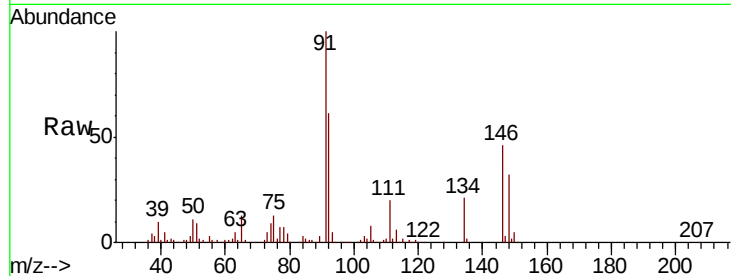
#89
n-Butylbenzene
Concen: 11.61 ug/l
RT: 13.17 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	60.6	29.8	89.5	
134	20.6	11.5	34.4	

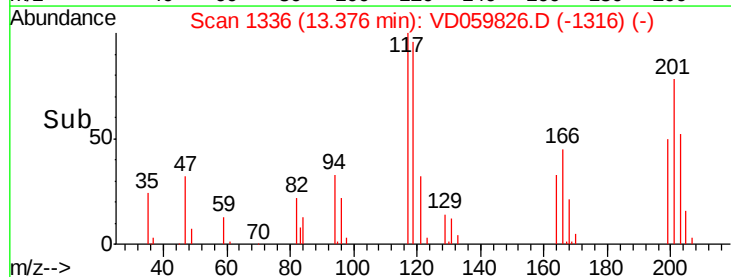
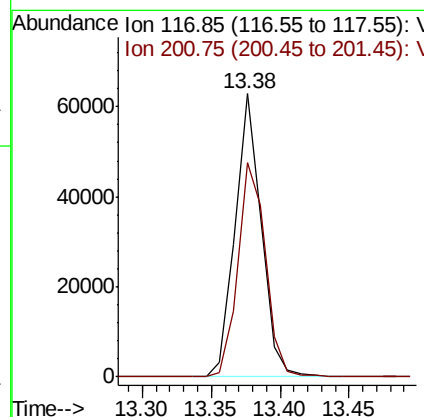
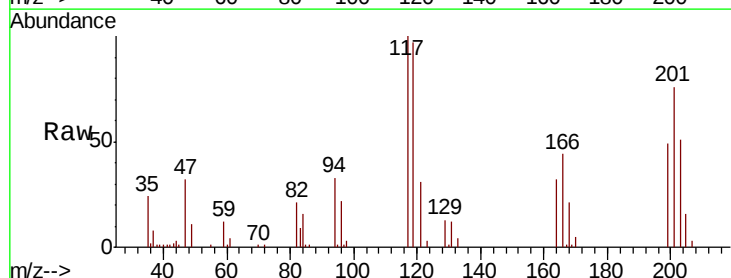
Manual Integrations
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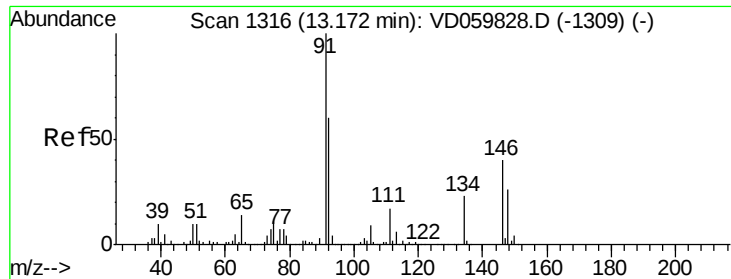
apatel
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#90
Hexachloroethane
Concen: 9.83 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	75.8	44.6	134.0	





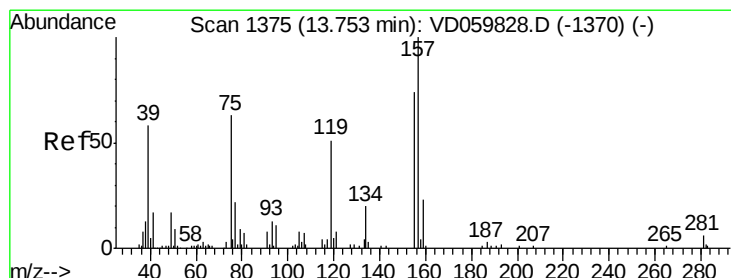
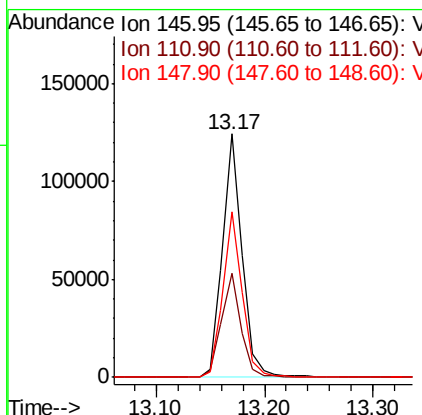
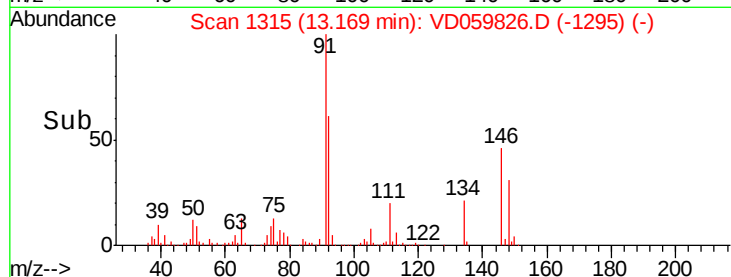
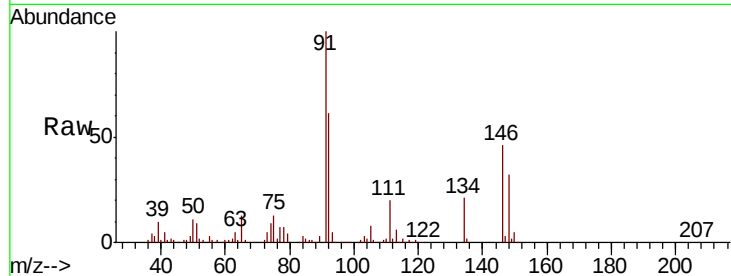
#91
 1,2-Dichlorobenzene
 Concen: 11.40 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156775		
111	43.0	20.9	62.8	
148	68.0	31.6	94.8	

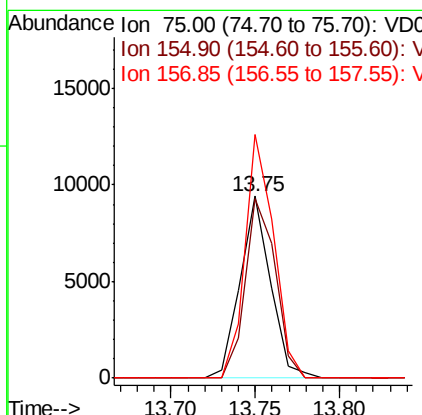
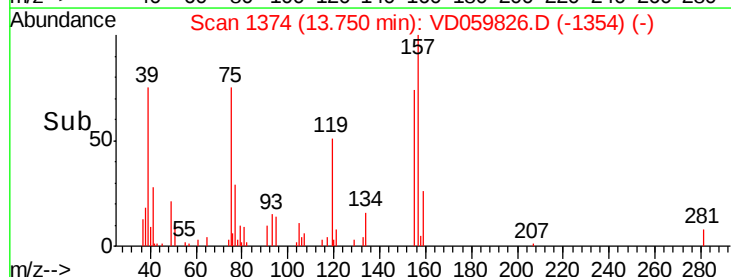
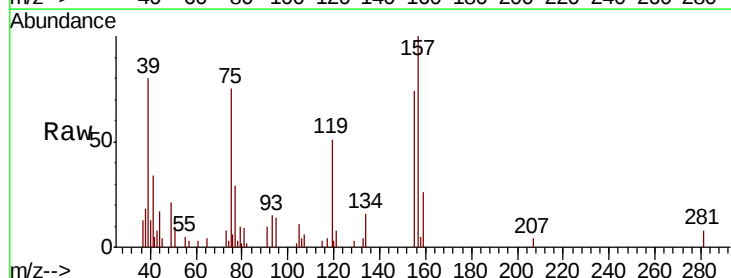
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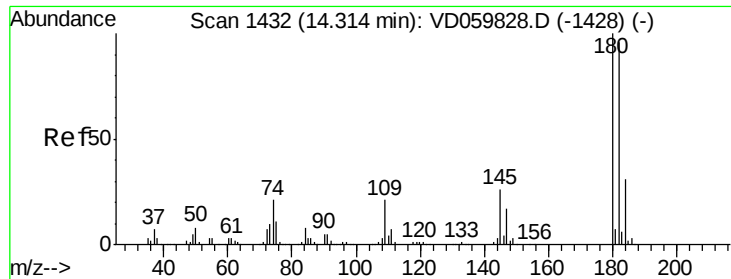
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.56 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11756		
155	98.6	59.1	177.3	
157	133.7	79.7	238.9	





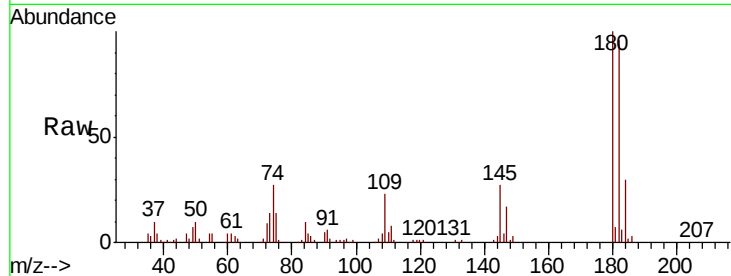
#93
 1,2,4-Trichlorobenzene
 Concen: 10.37 ug/l
 RT: 14.31 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

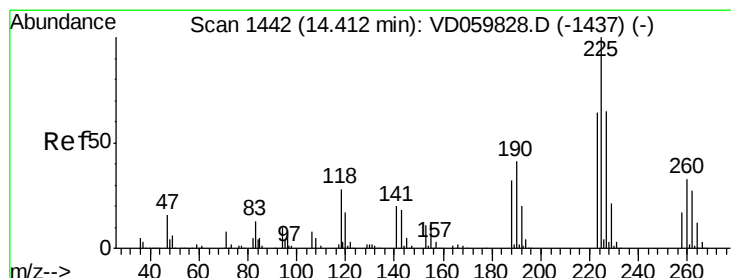
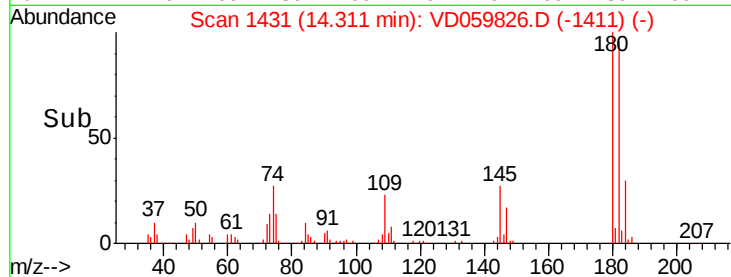
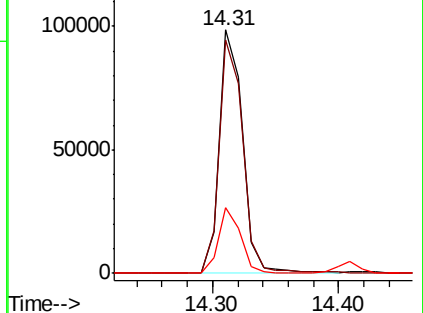
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	26.9	13.1	39.1

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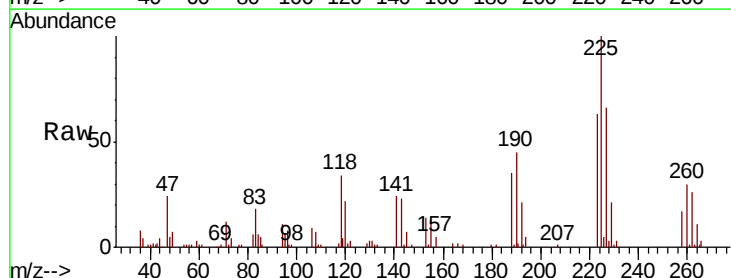


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

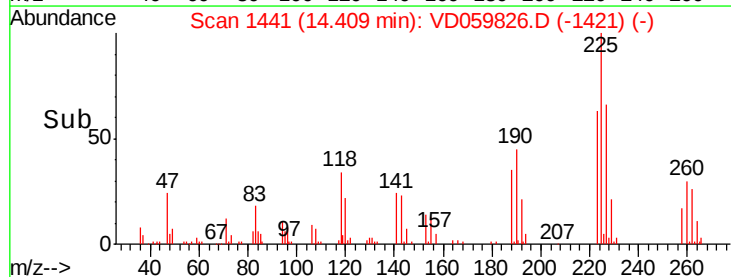
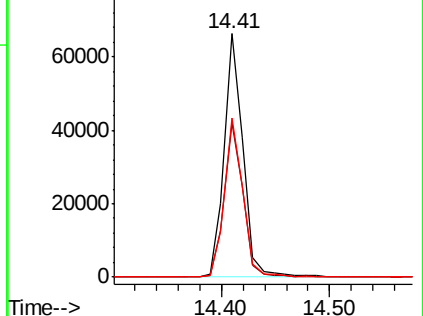


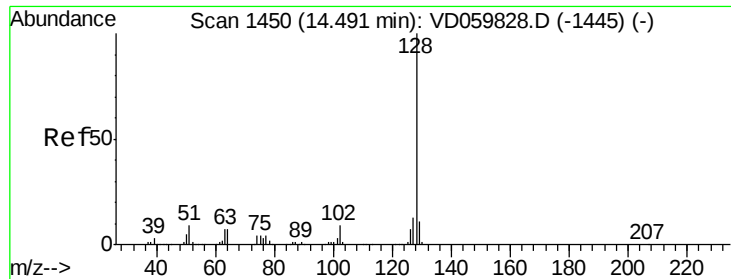
#94
 Hexachlorobutadiene
 Concen: 9.81 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	65.6	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





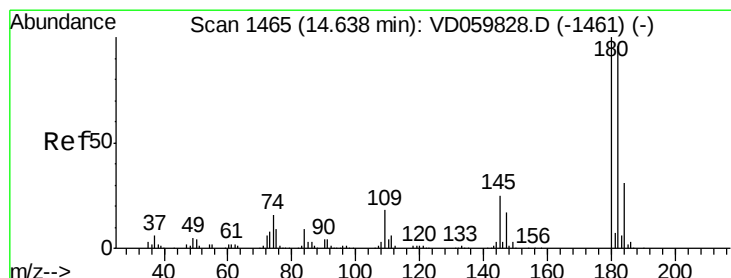
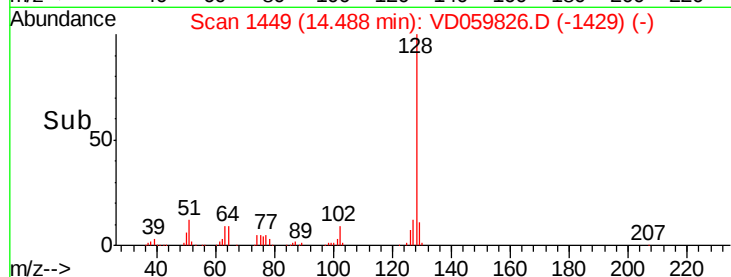
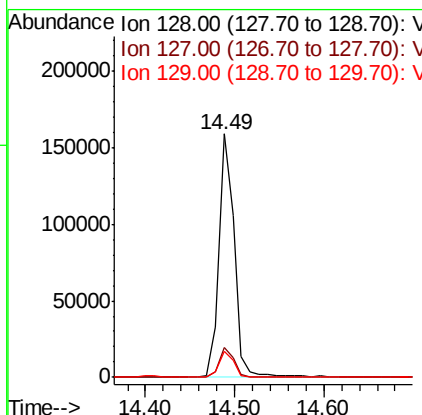
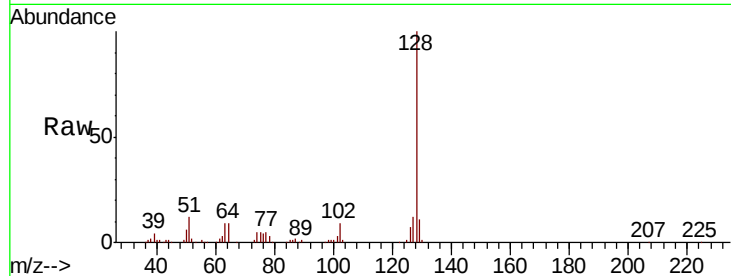
#95
Naphthalene
Concen: 9.85 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.7	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 10.23 ug/l
RT: 14.64 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	28.4	12.7	38.0

