

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064959.D
 Acq On : 27 Jan 2020 13:05
 Operator : VA/SY
 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Manual Integrations
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 1/28/2020 3:40:02 PM

Quant Time: Jan 27 13:36:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	702968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	225430	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.92	113	221649	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	864426	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	265405	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70411	19.832	ug/l	96
3) Chloromethane	2.21	50	107598	20.678	ug/l	100
4) Vinyl Chloride	2.35	62	119313	19.964	ug/l	96
5) Bromomethane	2.76	94	76427	19.011	ug/l	97
6) Chloroethane	2.92	64	75834	19.247	ug/l	97
7) Trichlorofluoromethane	3.27	101	179734	19.473	ug/l	98
8) Diethyl Ether	3.71	74	39924	19.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89320	20.800	ug/l	99
10) Methyl Iodide	4.29	142	78051	17.123	ug/l	98
11) Tert butyl alcohol	5.25	59	20924	83.761	ug/l	95
12) 1,1-Dichloroethene	4.06	96	83379	20.325	ug/l	96
13) Acrolein	3.92	56	28300	90.369	ug/l	95
14) Allyl chloride	4.70	41	131764	20.139	ug/l	98
15) Acrylonitrile	5.43	53	84287	93.413	ug/l	100
16) Acetone	4.17	43	89553	83.871	ug/l	97
17) Carbon Disulfide	4.40	76	273546	20.261	ug/l	99
18) Methyl Acetate	4.73	43	40548	19.152	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	171261	18.684	ug/l	95
20) Methylene Chloride	4.96	84	102186	19.319	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	95522	20.210	ug/l	89
22) Diisopropyl ether	6.37	45	255984	19.632	ug/l	97
23) Vinyl Acetate	6.31	43	700196	91.716	ug/l	98
24) 1,1-Dichloroethane	6.26	63	161574	20.182	ug/l	98
25) 2-Butanone	7.22	43	108327	88.699	ug/l	97
26) 2,2-Dichloropropane	7.21	77	148451	20.443	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	97912	19.409	ug/l	98
28) Bromochloromethane	7.55	49	54760	17.103	ug/l	99
29) Tetrahydrofuran	7.57	42	66422	88.147	ug/l	99
30) Chloroform	7.71	83	167151	20.197	ug/l	96
31) Cyclohexane	7.98	56	155197	19.706	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	153908	19.990	ug/l	99
36) 1,1-Dichloropropene	8.11	75	133585	19.707	ug/l	99
37) Ethyl Acetate	7.30	43	47805	17.074	ug/l	99
38) Carbon Tetrachloride	8.10	117	139497	19.470	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157659	19.894	ug/l	96
40) Benzene	8.35	78	363238	19.457	ug/l	99
41) Methacrylonitrile	7.53	41	28025	18.580	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	103700	18.647	ug/l	96
43) Isopropyl Acetate	8.46	43	94291	17.728	ug/l	98
44) Trichloroethene	9.11	130	102085	19.538	ug/l	90
45) 1,2-Dichloropropane	9.39	63	88308	19.512	ug/l	100
46) Dibromomethane	9.48	93	45181	18.285	ug/l	100
47) Bromodichloromethane	9.67	83	124721	19.398	ug/l	99
48) Methyl methacrylate	9.46	41	44270	18.087	ug/l	99
49) 1,4-Dioxane	9.47	88	10248	357.605	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	234513	88.122	ug/l	99
52) Toluene	10.41	92	229652	19.080	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115255	18.819	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139362	19.435	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	61882	18.592	ug/l	96
56) Ethyl methacrylate	10.67	69	70032	17.596	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107170	18.773	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	129059	97.603	ug/l	99
59) 2-Hexanone	10.99	43	159603	86.947	ug/l	97
60) Dibromochloromethane	11.14	129	83155	18.693	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60283	18.810	ug/l	98
64) Tetrachloroethene	10.88	164	88290	20.197	ug/l	93
65) Chlorobenzene	11.67	112	248047	20.195	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	89128	19.295	ug/l	98
67) Ethyl Benzene	11.75	91	438274	20.099	ug/l	99
68) m/p-Xylenes	11.86	106	332911	39.653	ug/l	98
69) o-Xylene	12.18	106	150524	20.201	ug/l	96
70) Styrene	12.20	104	262993	19.813	ug/l	99
71) Bromoform	12.37	173	49056	19.105	ug/l #	99
73) Isopropylbenzene	12.48	105	409257	20.439	ug/l	100
74) N-amyl acetate	12.30	43	80827	18.040	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65529	19.472	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	53825m	22.136	ug/l	
77) Bromobenzene	12.77	156	99151	20.238	ug/l	96
78) n-propylbenzene	12.83	91	488637	20.520	ug/l	100
79) 2-Chlorotoluene	12.91	91	264728	20.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	341816	20.831	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	20445	17.953	ug/l	95
82) 4-Chlorotoluene	13.01	91	285482	20.607	ug/l	98
83) tert-Butylbenzene	13.23	119	282183	20.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	340079	20.459	ug/l	99
85) sec-Butylbenzene	13.41	105	398379	20.205	ug/l	100
86) p-Isopropyltoluene	13.53	119	382412	20.727	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	188090	20.009	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188118	20.163	ug/l	99
89) n-Butylbenzene	13.86	91	348692	20.709	ug/l	100
90) Hexachloroethane	14.12	117	73608	20.688	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	162259	20.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10331	19.183	ug/l	97

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ClientSampleId :
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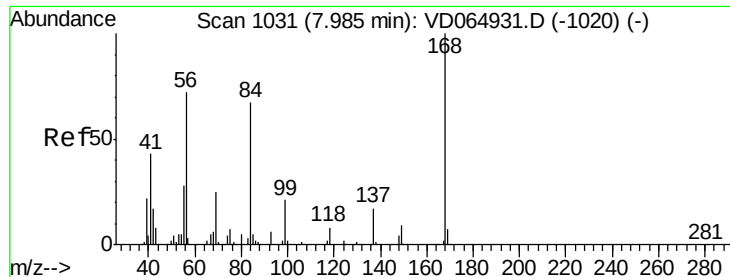
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	107637	19.496	ug/l	100
94) Hexachlorobutadiene	15.28	225	71967	20.609	ug/l	97
95) Naphthalene	15.41	128	162464	18.234	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91892	19.197	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion:168 Resp: 471273

Ion Ratio Lower Upper

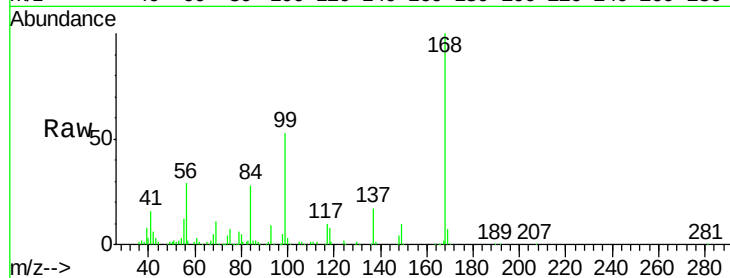
168 100

99 52.7 43.3 64.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

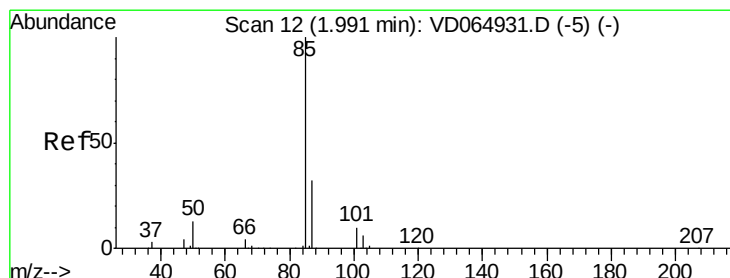
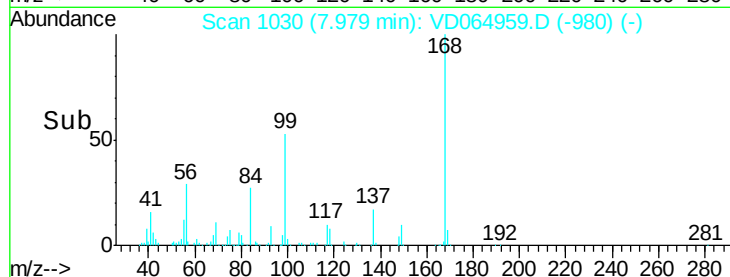
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.832 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064959.D

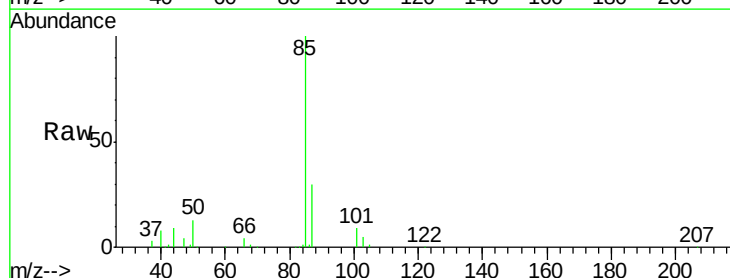
Acq: 27 Jan 2020 13:05

Tgt Ion: 85 Resp: 70411

Ion Ratio Lower Upper

85 100

87 29.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

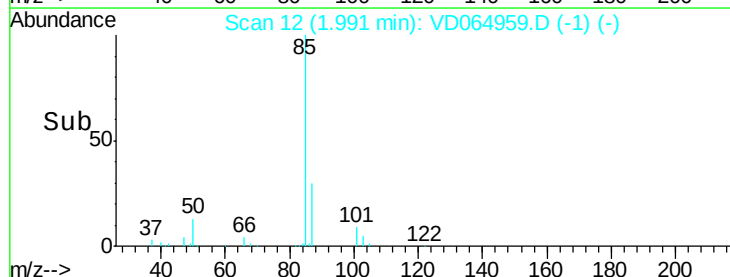
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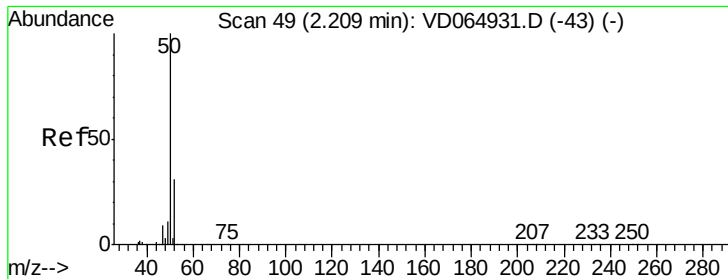
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.678 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 50 Resp: 107598

Ion Ratio Lower Upper

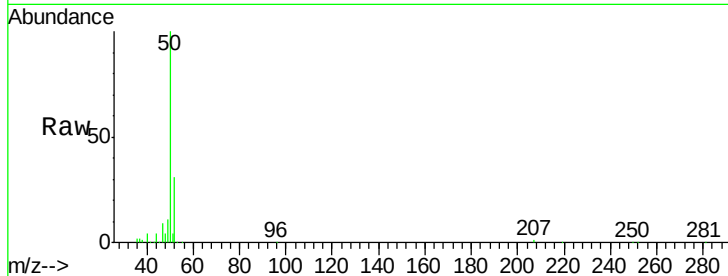
50 100

52 30.7 24.6 36.8

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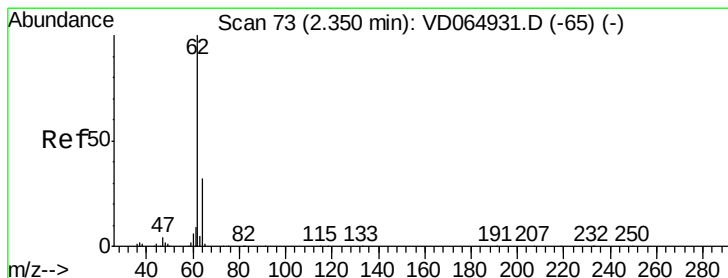
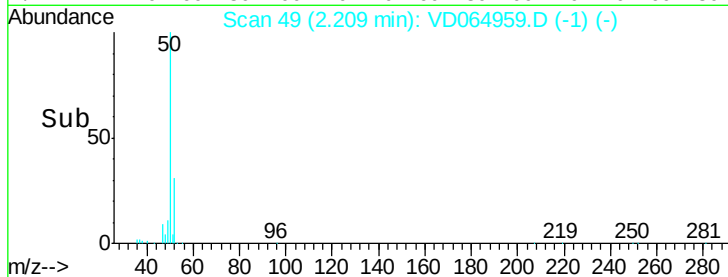
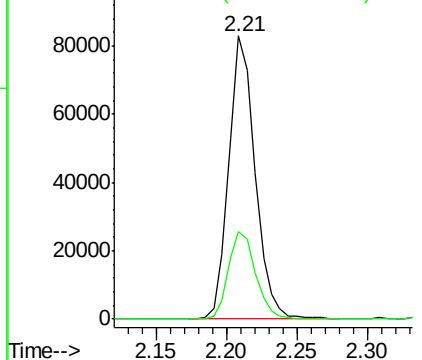
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.964 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064959.D

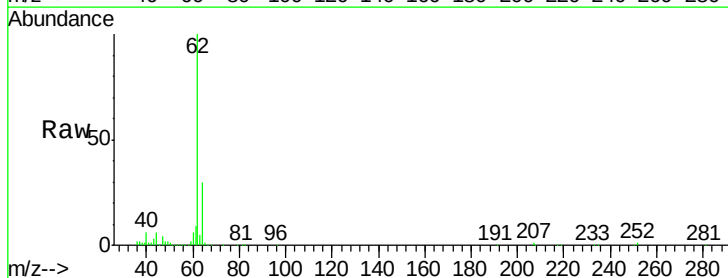
Acq: 27 Jan 2020 13:05

Tgt Ion: 62 Resp: 119313

Ion Ratio Lower Upper

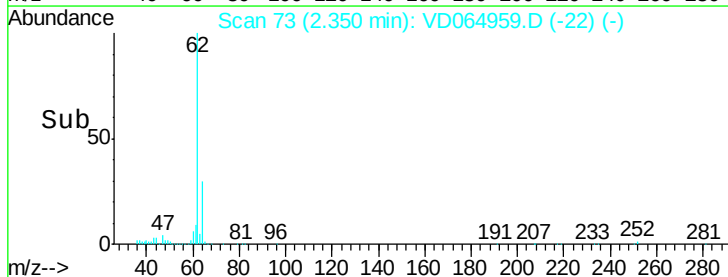
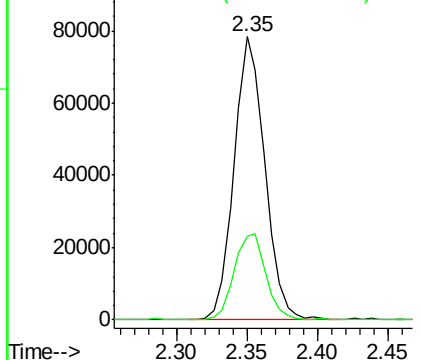
62 100

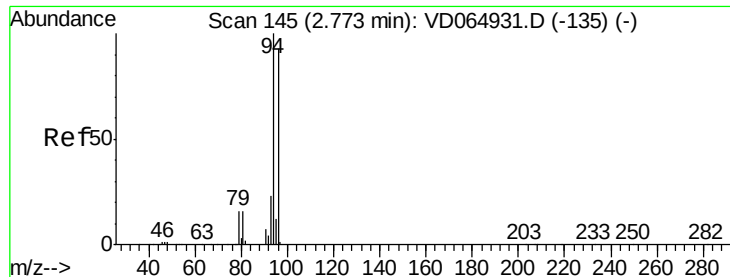
64 29.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.011 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 94 Resp: 76427

Ion Ratio Lower Upper

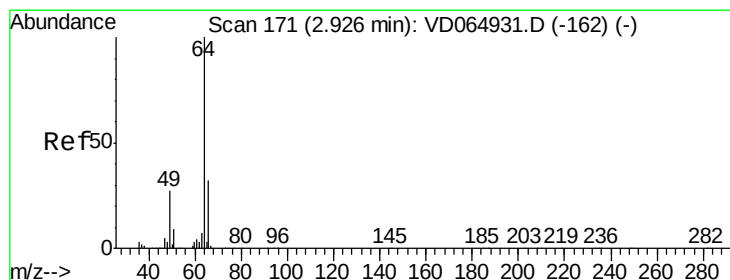
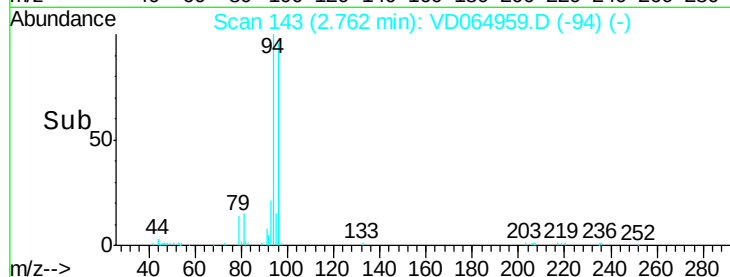
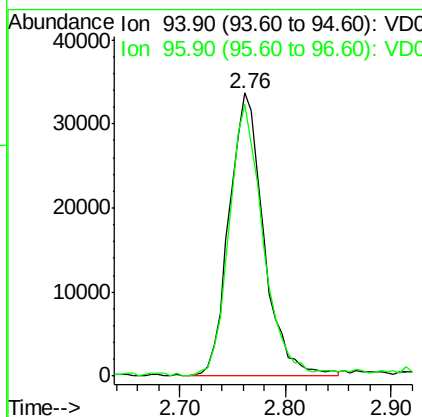
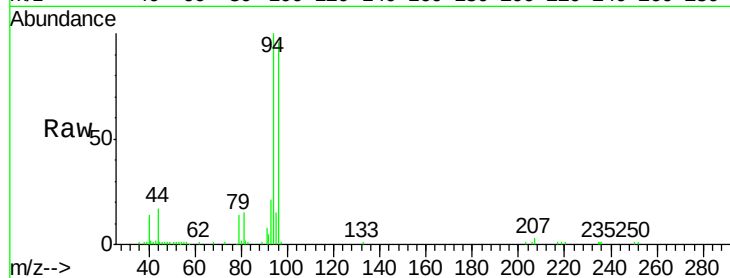
94 100

96 96.0 74.6 111.8

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#6

Chloroethane

Concen: 19.247 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064959.D

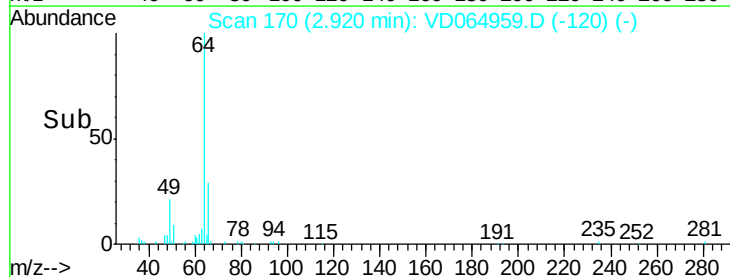
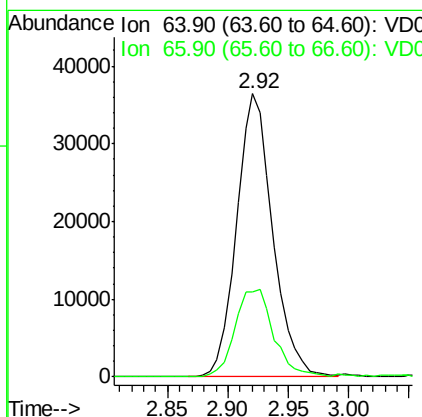
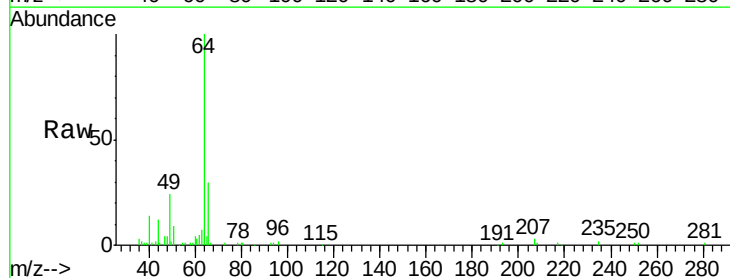
Acq: 27 Jan 2020 13:05

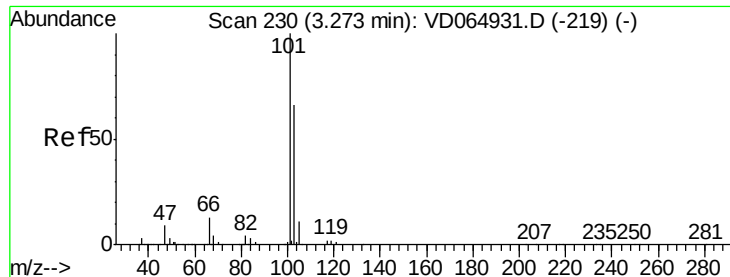
Tgt Ion: 64 Resp: 75834

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9





#7

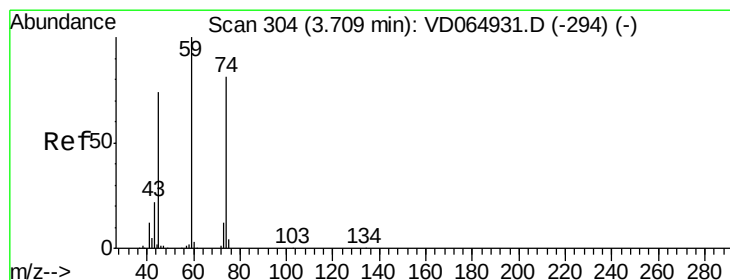
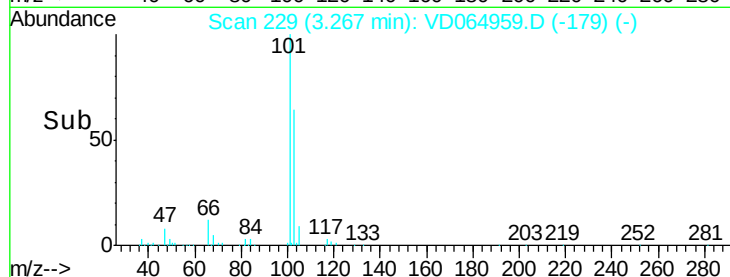
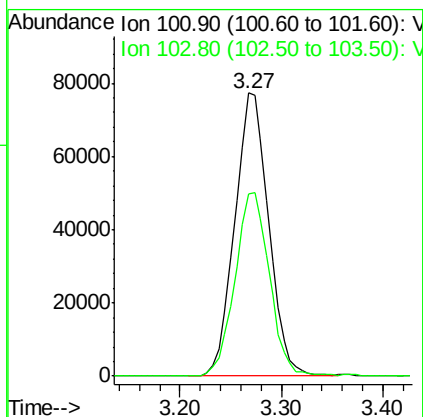
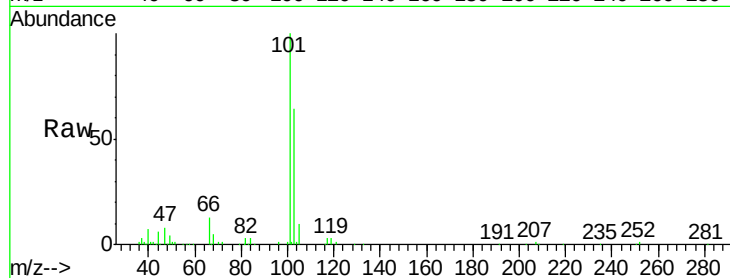
Trichlorofluoromethane
Concen: 19.473 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
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ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.5	78.7

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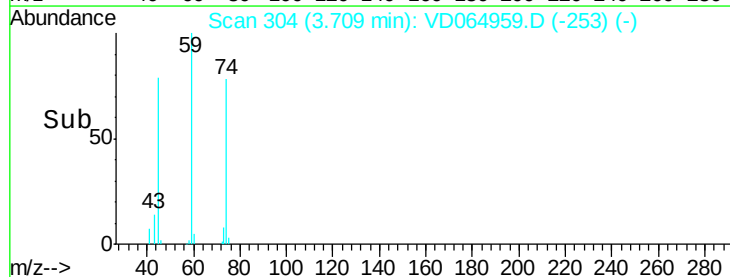
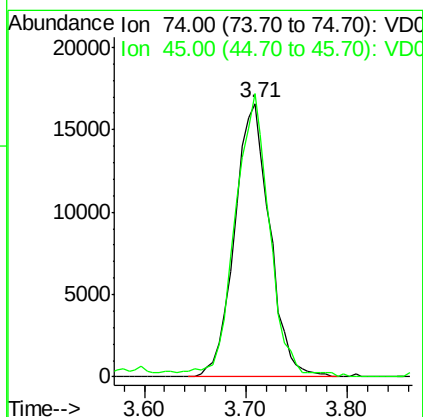
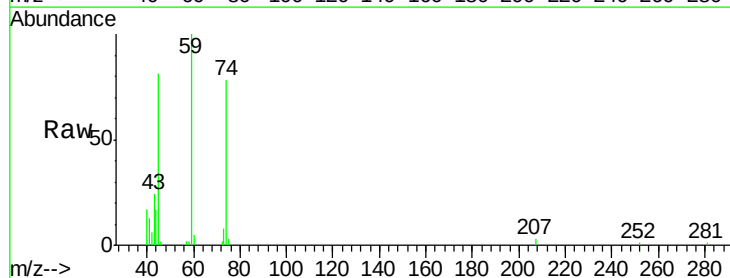
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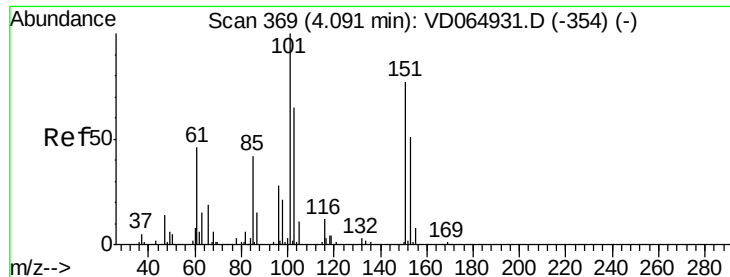


#8

Diethyl Ether
Concen: 19.161 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.800 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

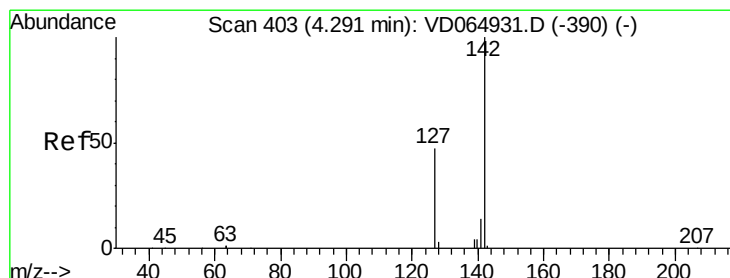
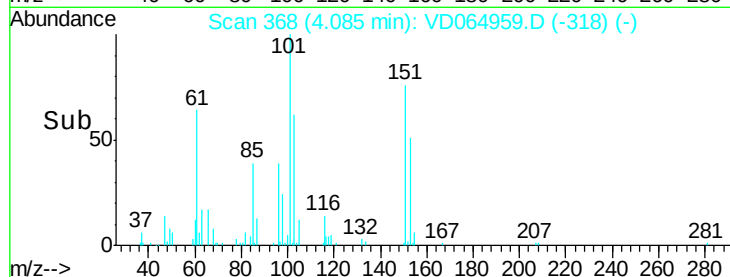
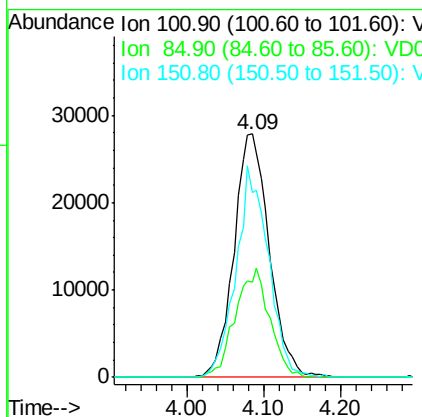
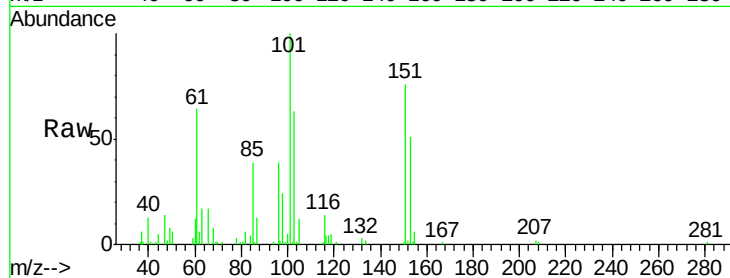
ClientSampleId :

VD0127SBS01

Tot Ion:	101	Resp:	89320
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.0	52.4
151	79.6	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.123 ug/l

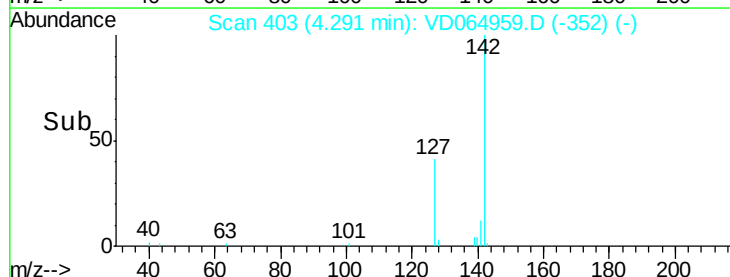
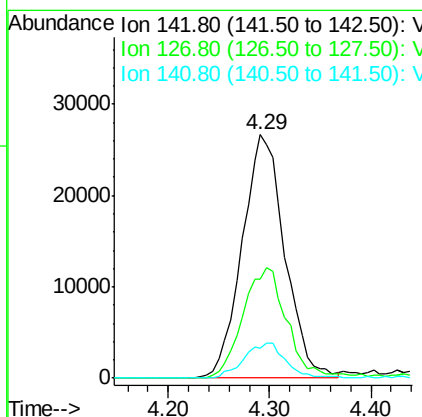
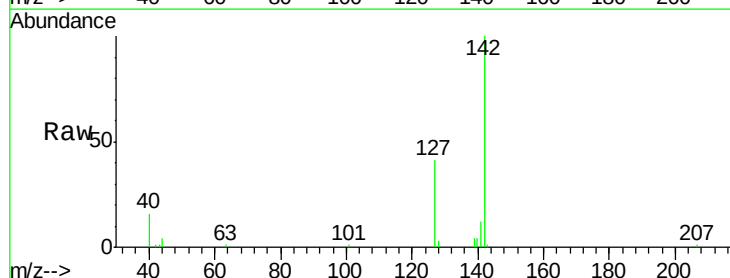
RT: 4.29 min Scan# 403

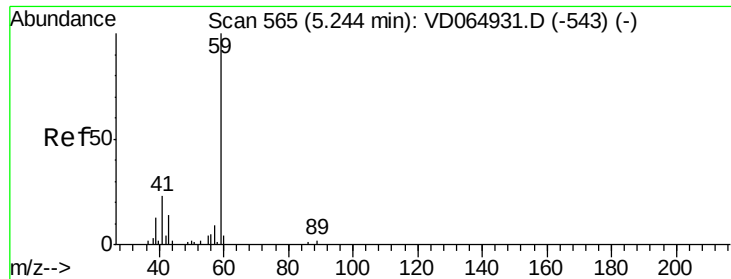
Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	142	Resp:	78051
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.2	54.2
141	14.1	11.6	17.4





#11

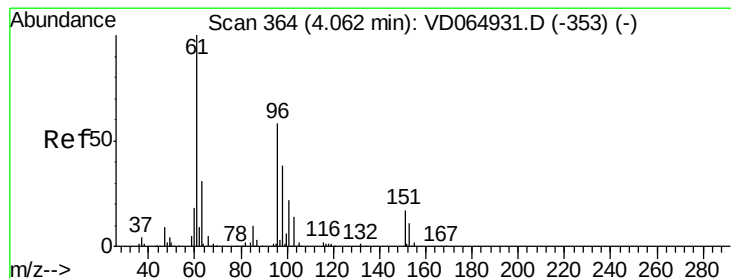
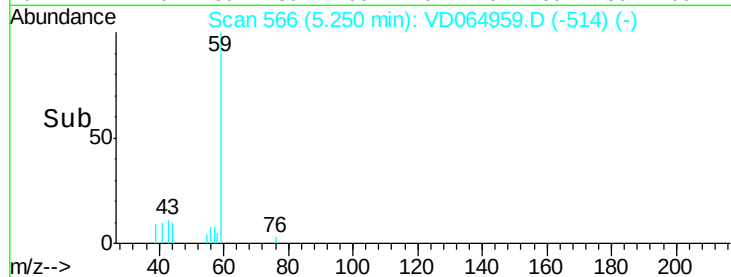
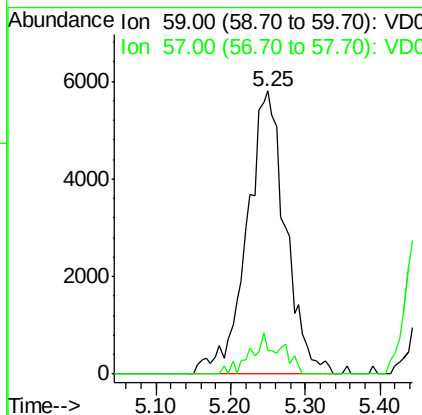
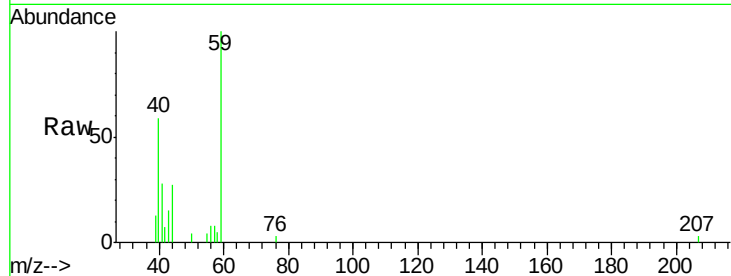
Tert butyl alcohol
 Concen: 83.761 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	7.7	11.5

Manual Integrations
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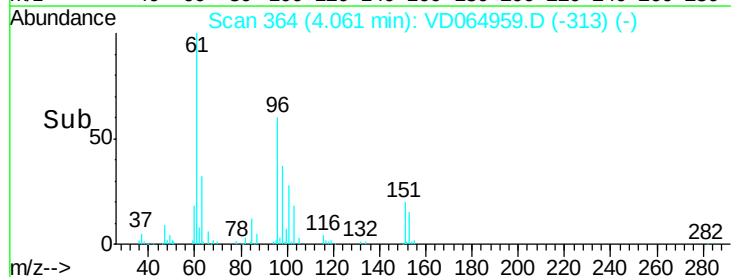
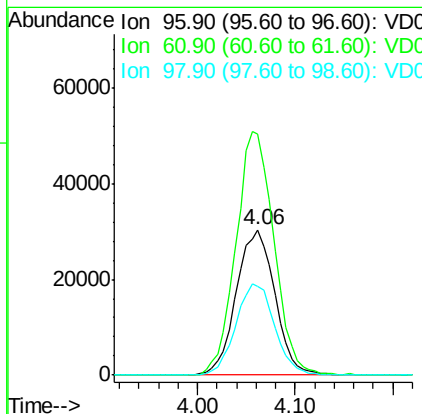
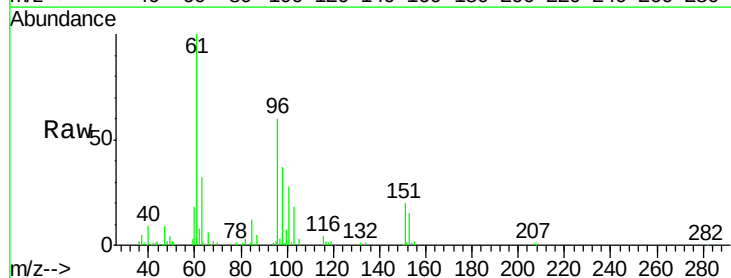
MMDadoda
 1/28/2020 3:40:02 PM

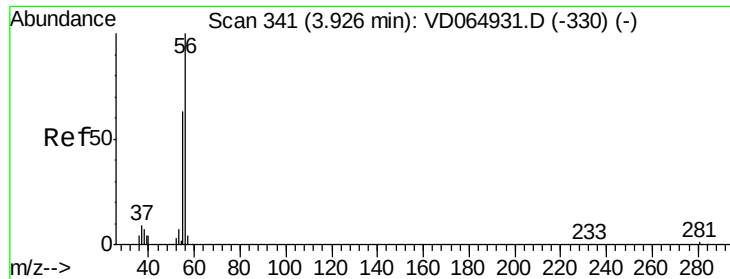


#12

1,1-Dichloroethene
 Concen: 20.325 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	137.0	205.4
98	60.7	52.1	78.1





#13

Acrolein

Concen: 90.369 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 56 Resp: 28300

Ion Ratio Lower Upper

56 100

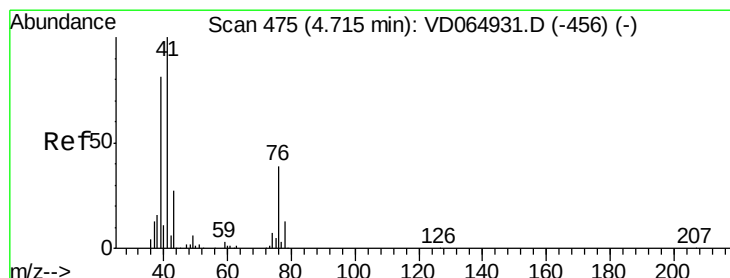
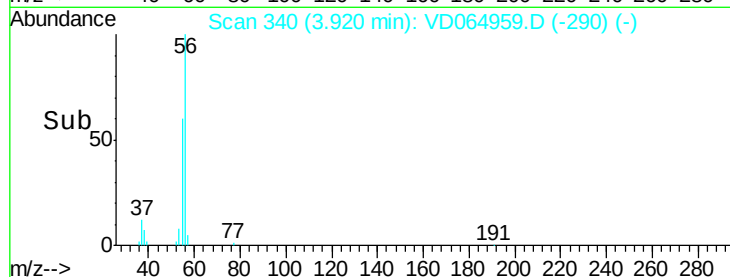
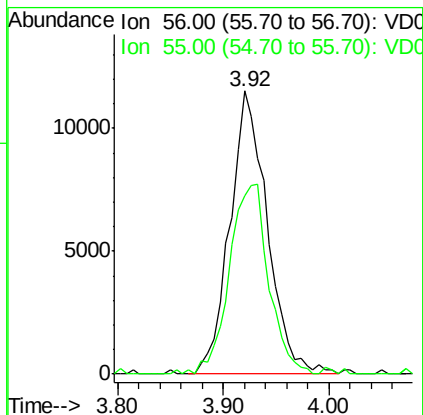
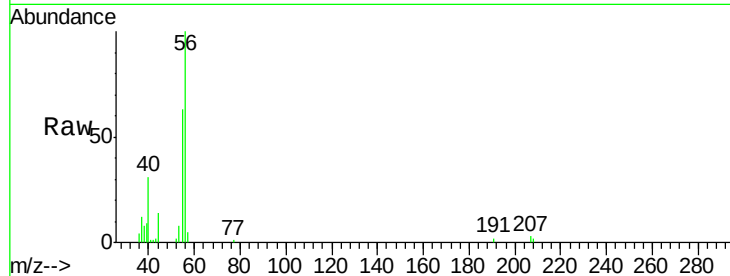
55 70.1 59.7 89.5

Manual Integrations

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#14

Allyl chloride

Concen: 20.139 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

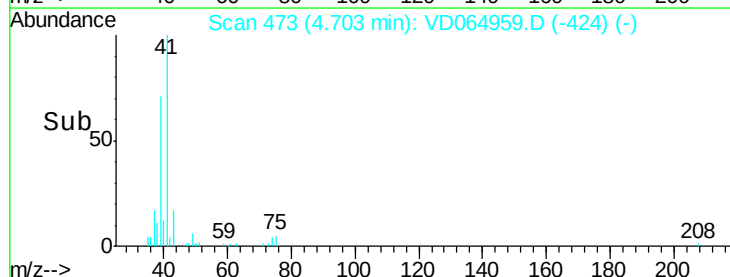
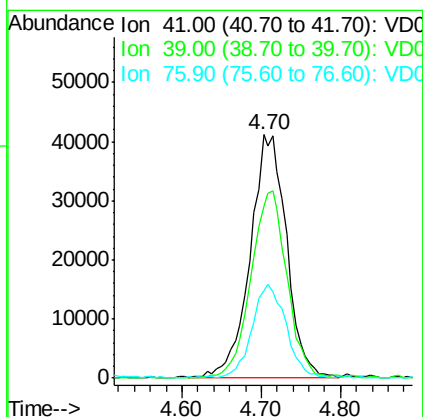
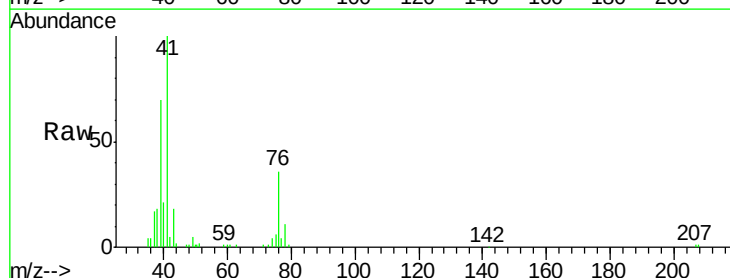
Tgt Ion: 41 Resp: 131764

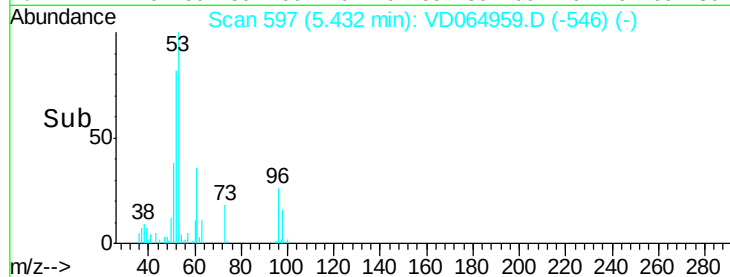
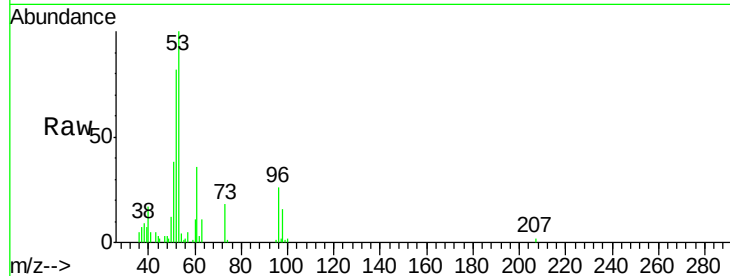
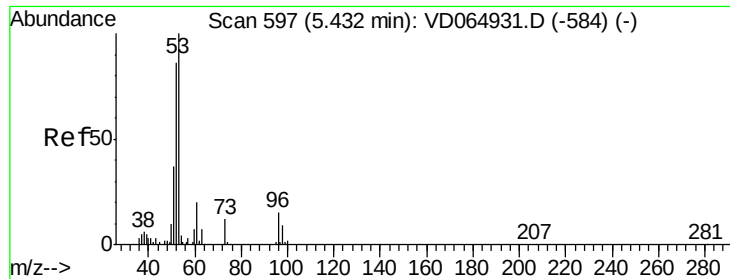
Ion Ratio Lower Upper

41 100

39 75.8 62.0 93.0

76 35.8 29.3 43.9





#15

Acrylonitrile

Concen: 93.413 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tot Ion:	53	Resp:	84287
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.7	100.1
51	38.6	31.1	46.7

Instrument :

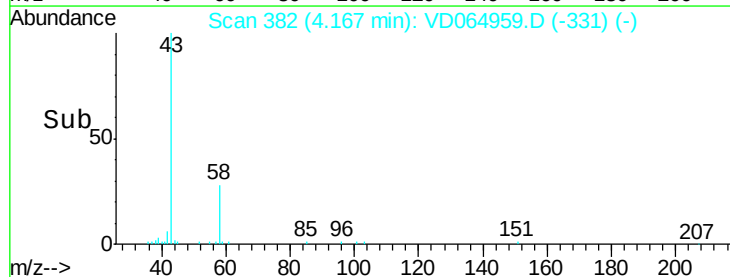
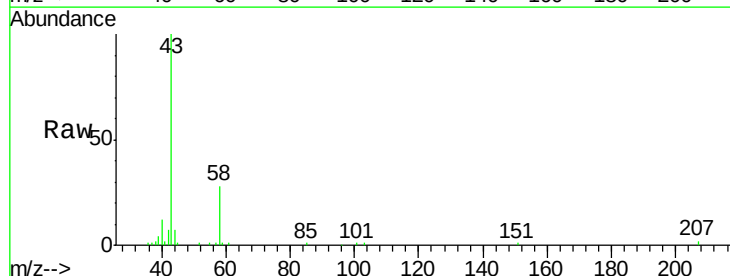
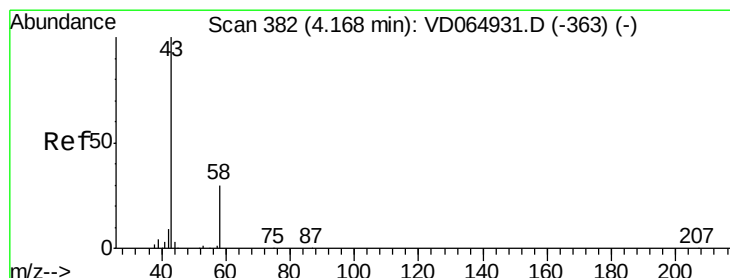
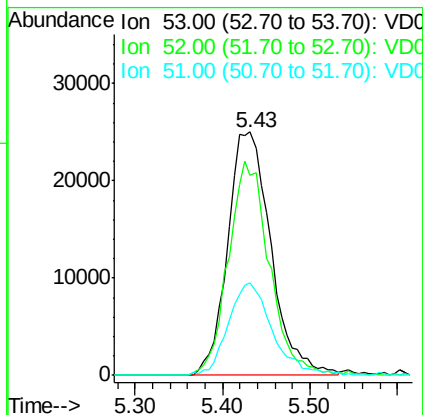
MSVOA_D

ClientSampleId :

VD0127SBS01

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#16

Acetone

Concen: 83.871 ug/l

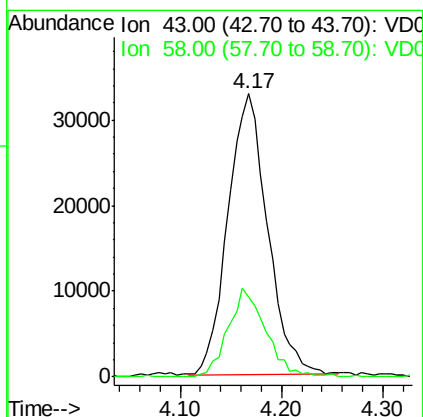
RT: 4.17 min Scan# 382

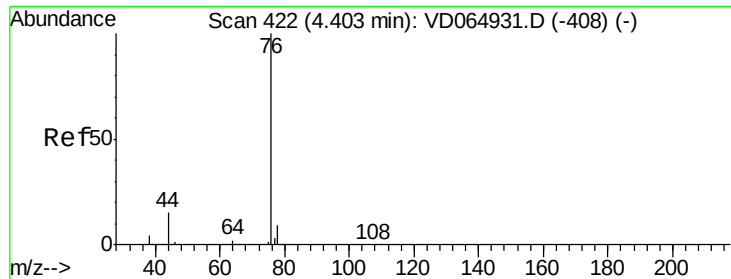
Delta R.T. 0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	43	Resp:	89553
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.8





#17

Carbon Disulfide

Concen: 20.261 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 76 Resp: 273546

Ion Ratio Lower Upper

76 100

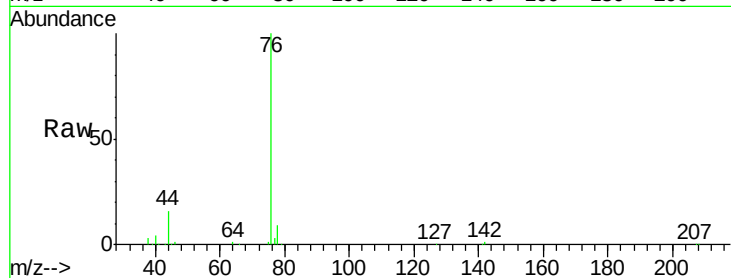
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

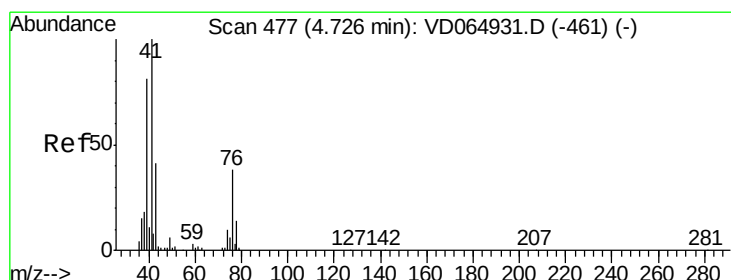
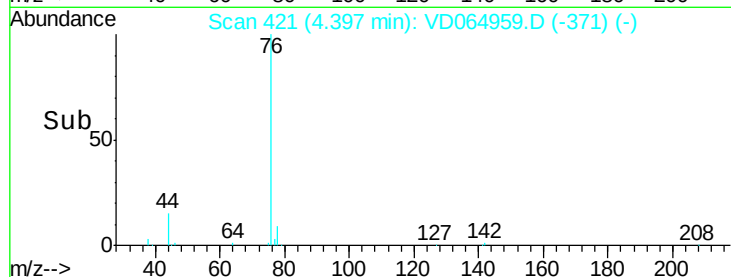
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.152 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064959.D

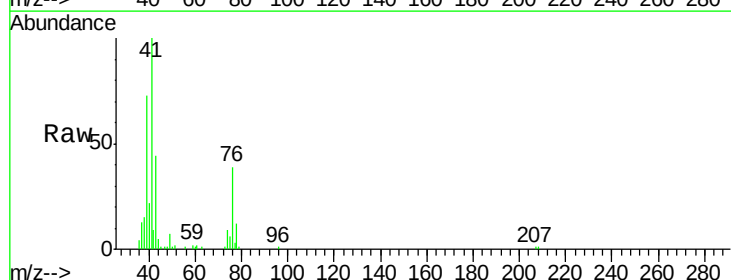
Acq: 27 Jan 2020 13:05

Tgt Ion: 43 Resp: 40548

Ion Ratio Lower Upper

43 100

74 22.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

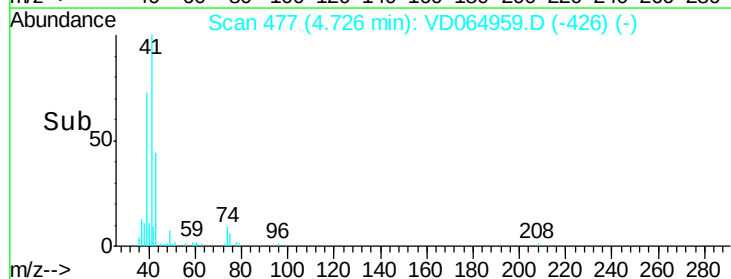
15000

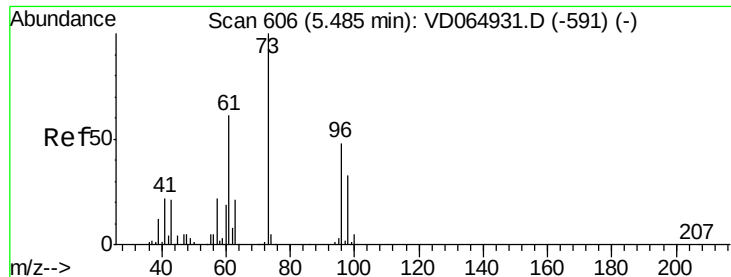
10000

5000

0

Time-->





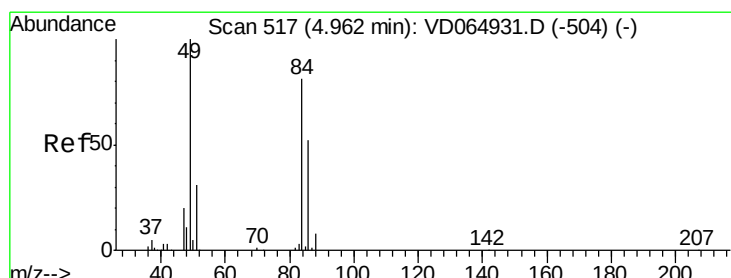
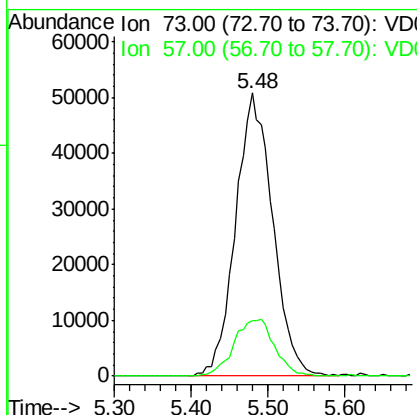
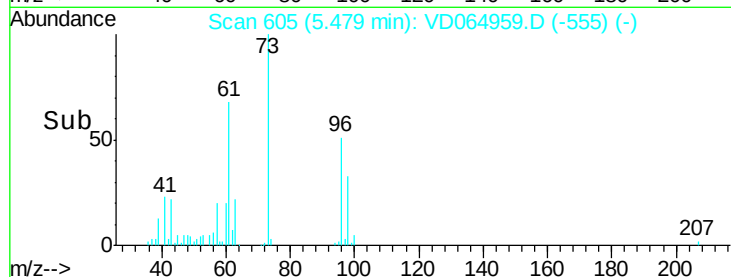
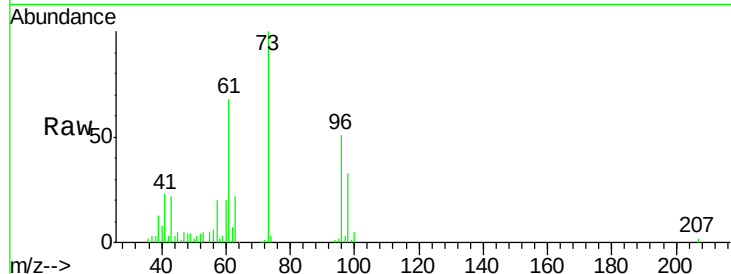
#19
Methyl tert-butyl Ether
Concen: 18.684 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion: 73 Resp: 171261
Ion Ratio Lower Upper
73 100
57 19.8 17.9 26.9

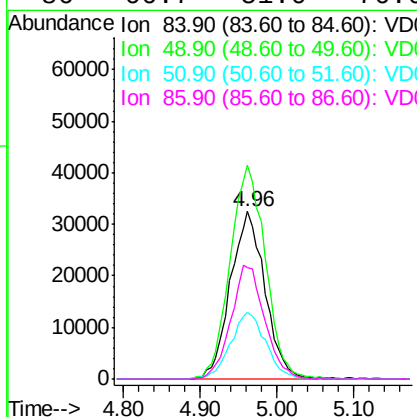
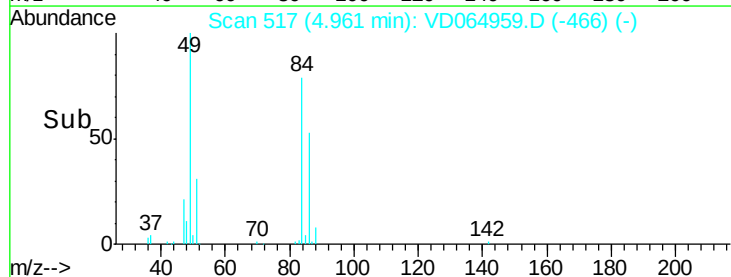
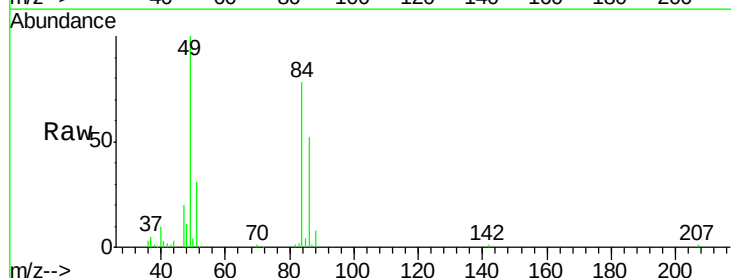
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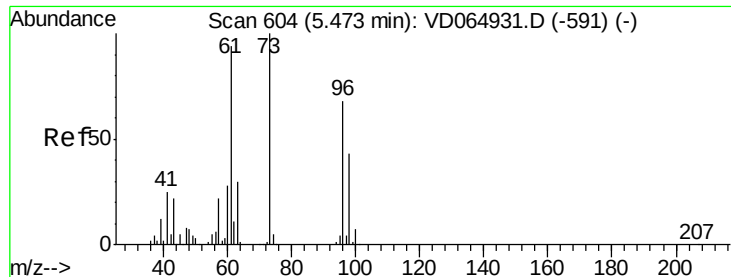
MMDadoda
1/28/2020 3:40:02 PM



#20
Methylene Chloride
Concen: 19.319 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 84 Resp: 102186
Ion Ratio Lower Upper
84 100
49 127.6 98.4 147.6
51 39.6 30.8 46.2
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.210 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 96 Resp: 95522

Ion Ratio Lower Upper

96 100

61 123.5 110.4 165.6

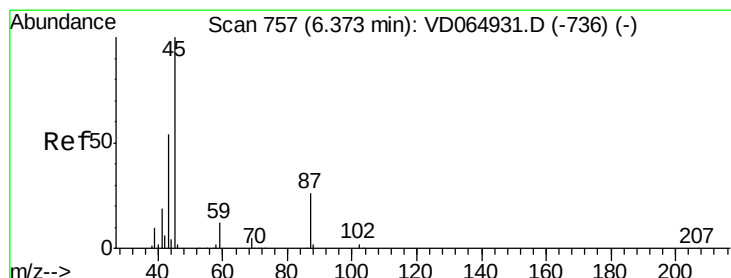
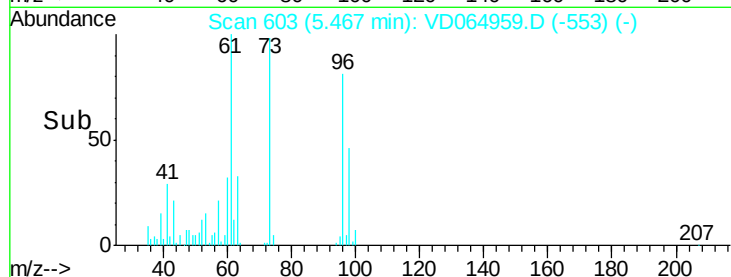
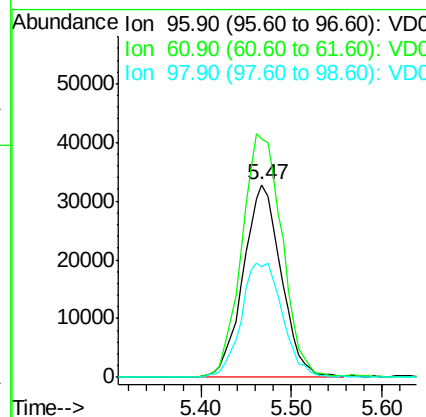
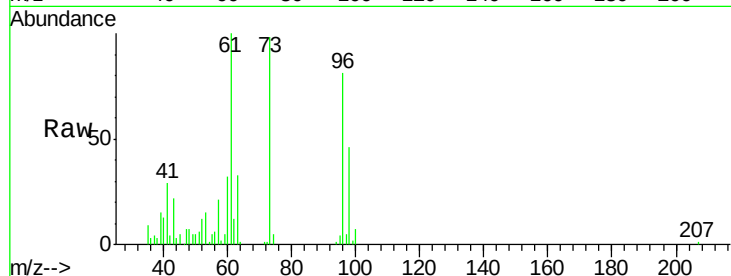
98 57.1 50.5 75.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.632 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion: 45 Resp: 255984

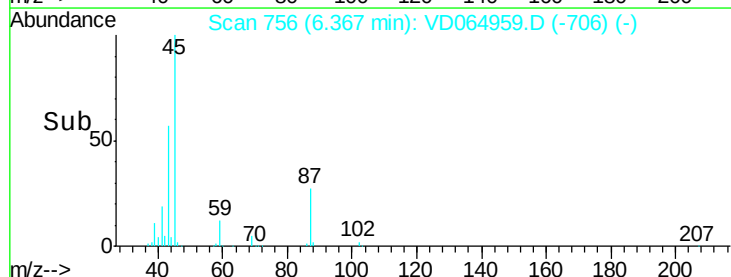
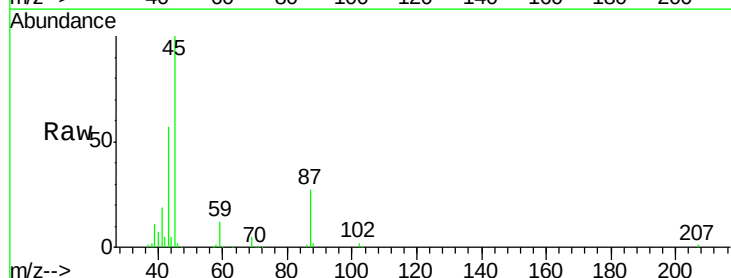
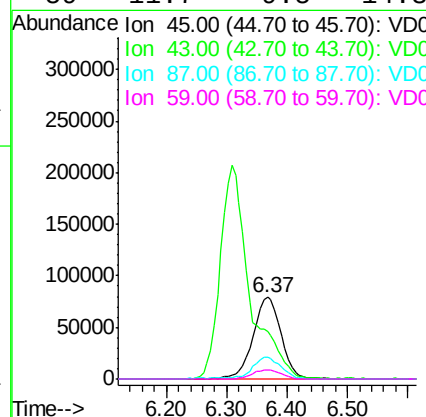
Ion Ratio Lower Upper

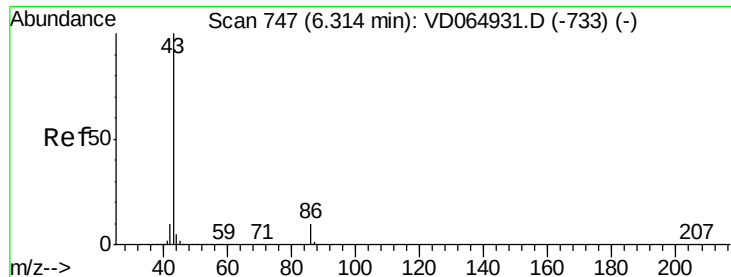
45 100

43 56.9 43.1 64.7

87 27.4 21.4 32.2

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 91.716 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 43 Resp: 700196

Ion Ratio Lower Upper

43 100

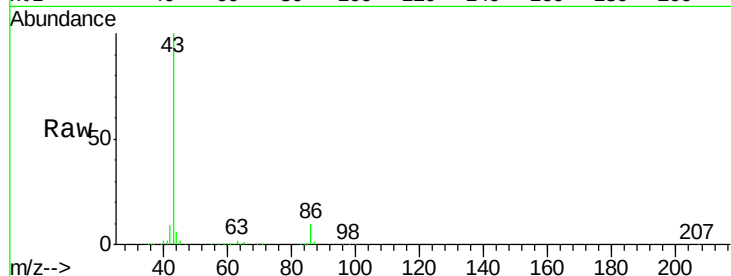
86 9.7 8.3 12.5

Manual Integrations

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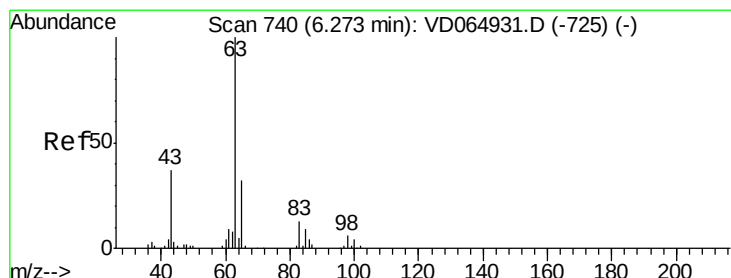
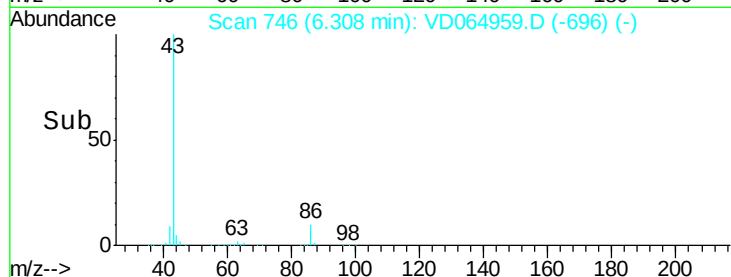
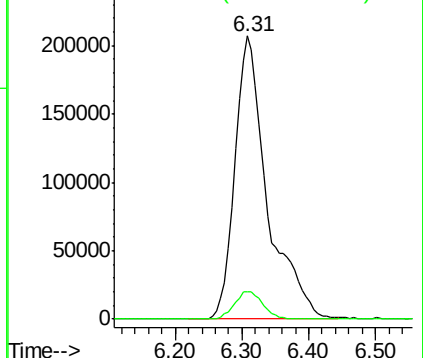
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.182 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

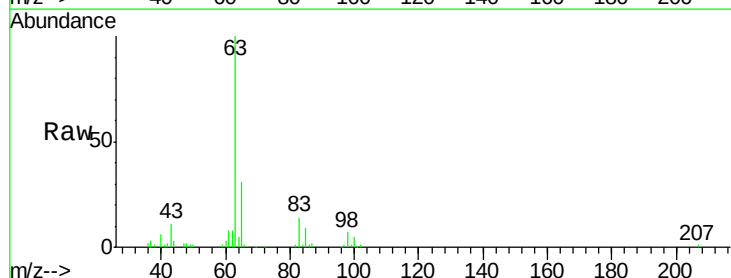
Tgt Ion: 63 Resp: 161574

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.3

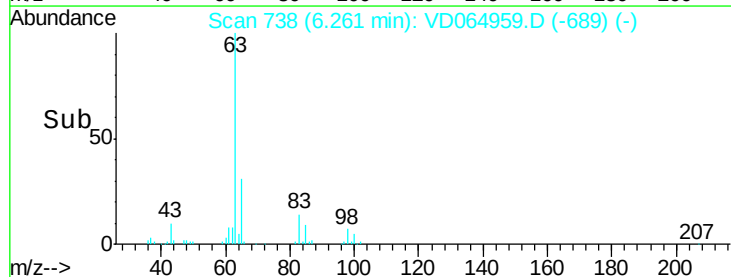
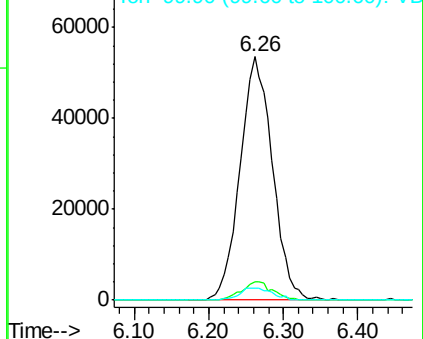
100 4.7 2.3 6.8

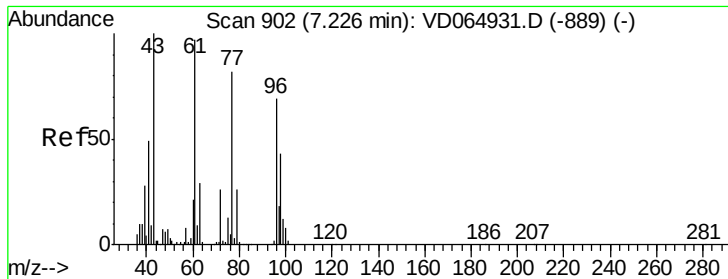


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.699 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 43 Resp: 108327

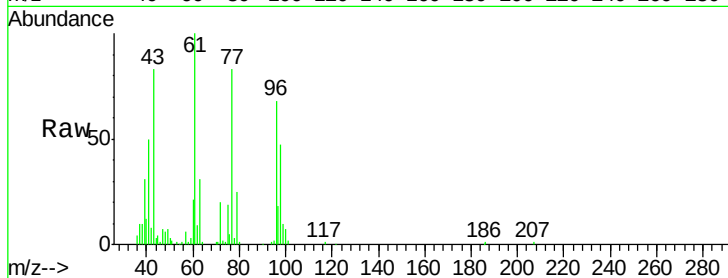
Ion Ratio Lower Upper

43 100

72 24.3 20.6 31.0

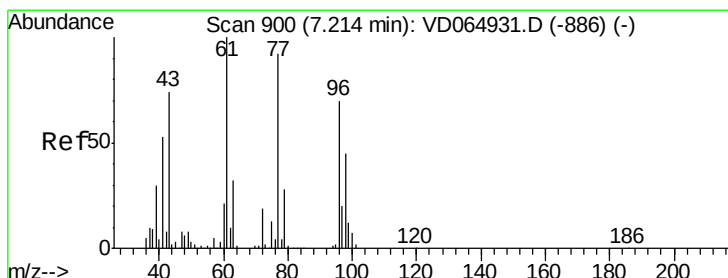
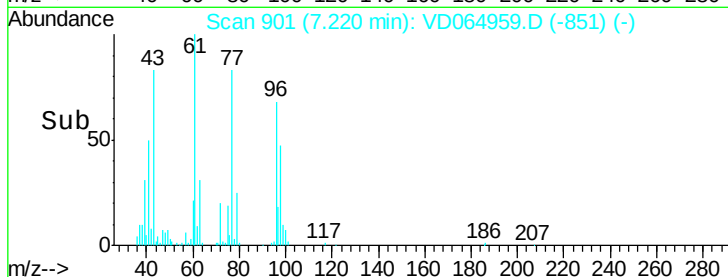
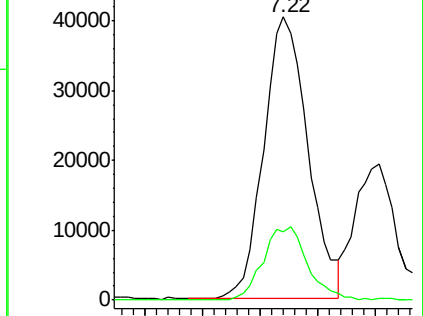
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.443 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064959.D

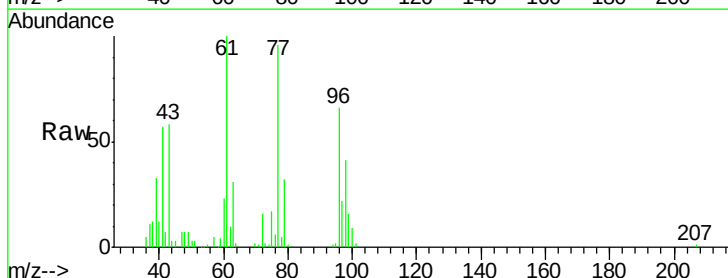
Acq: 27 Jan 2020 13:05

Tgt Ion: 77 Resp: 148451

Ion Ratio Lower Upper

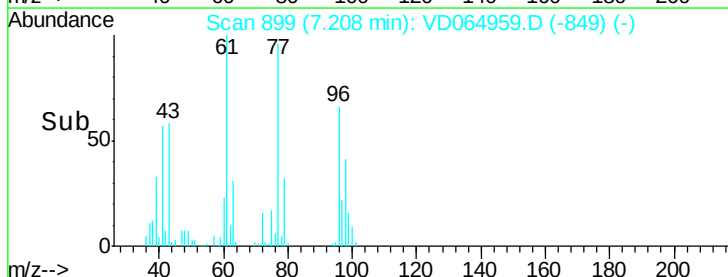
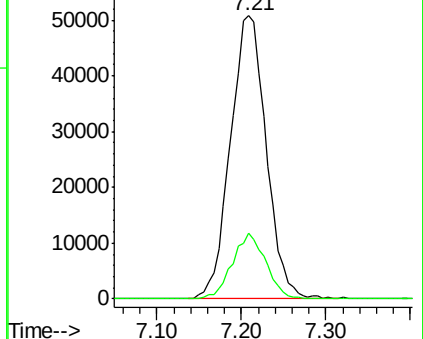
77 100

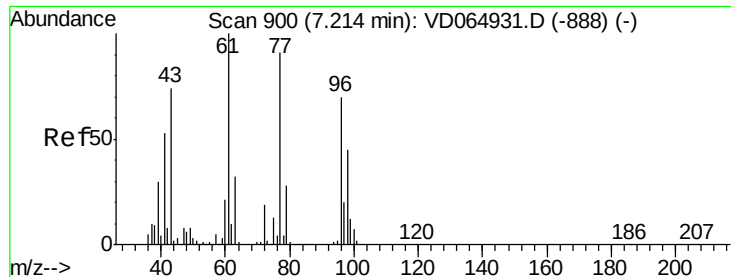
97 21.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.409 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

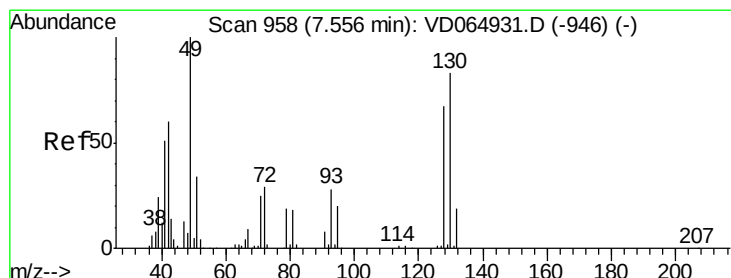
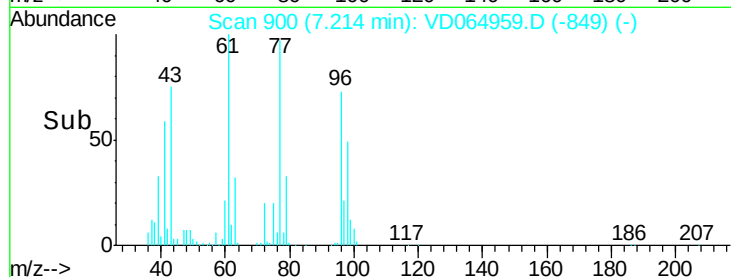
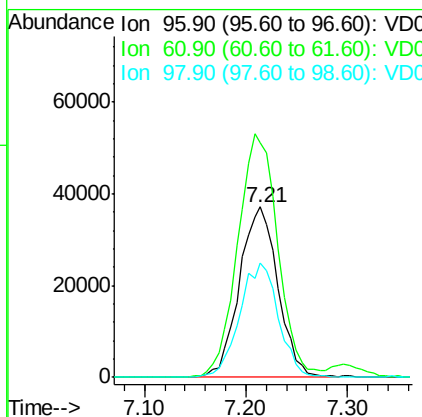
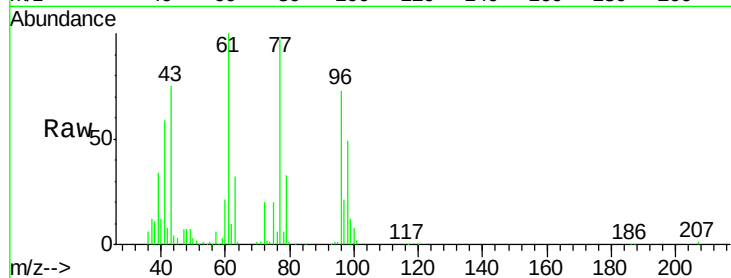
ClientSampleId :

VD0127SBS01

Tot Ion:	96	Resp:	97912
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	292.8
98	67.1	0.0	130.0

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#28

Bromochloromethane

Concen: 17.103 ug/l

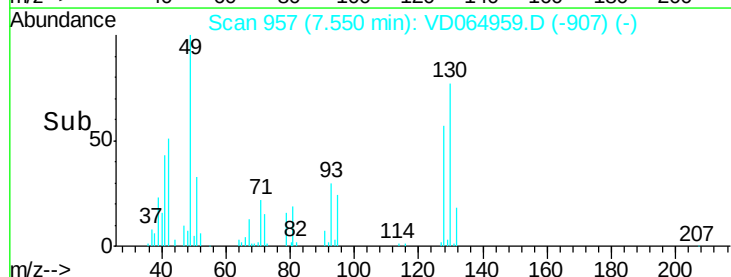
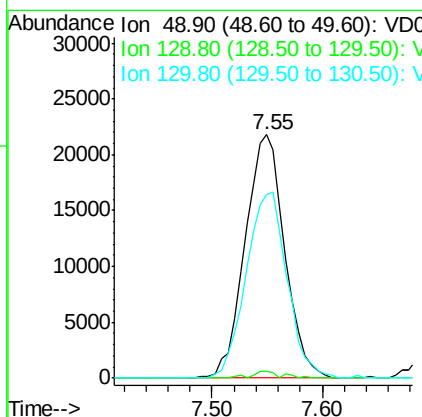
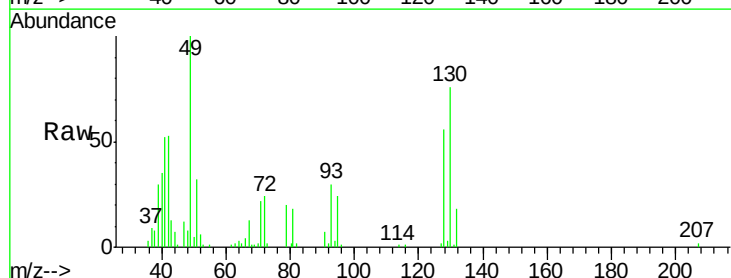
RT: 7.55 min Scan# 957

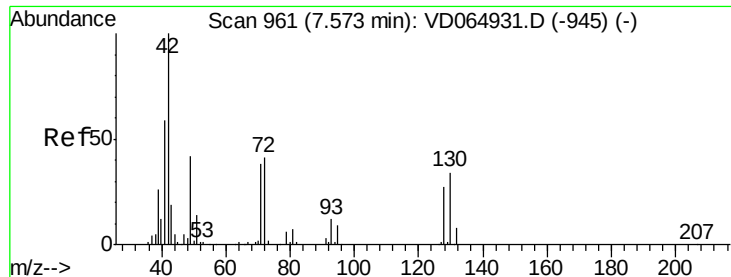
Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	49	Resp:	54760
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.4
130	79.1	63.8	95.8





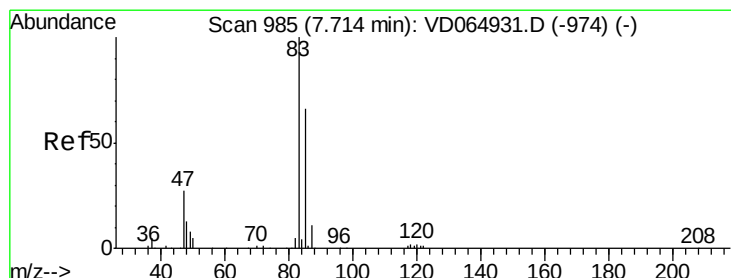
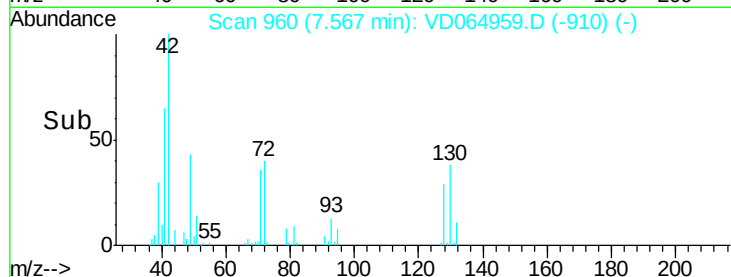
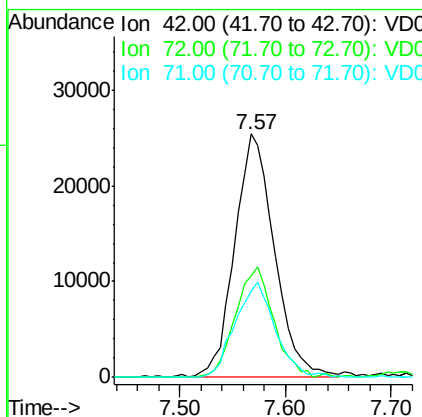
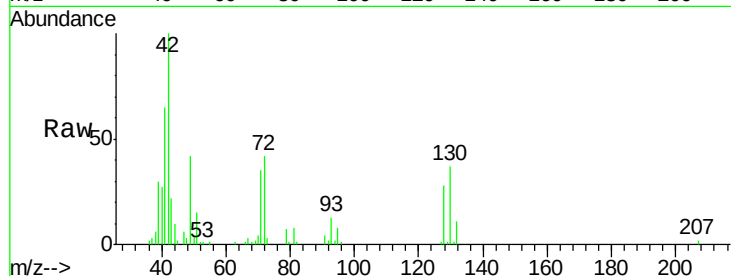
#29
Tetrahydrofuran
Concen: 88.147 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.0	51.0
71	39.4	31.5	47.3

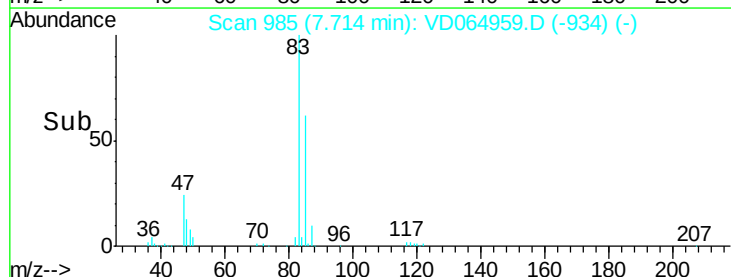
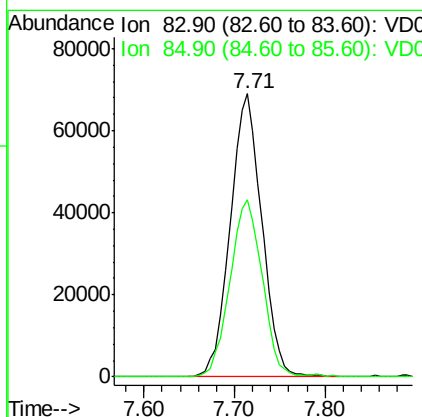
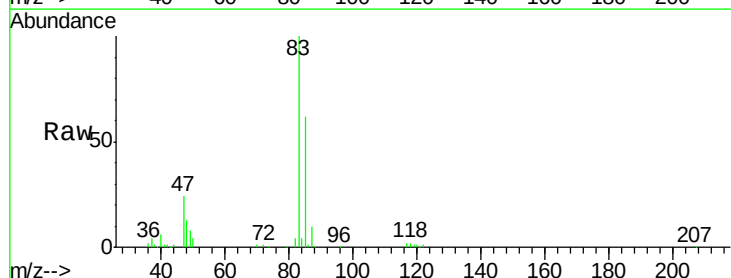
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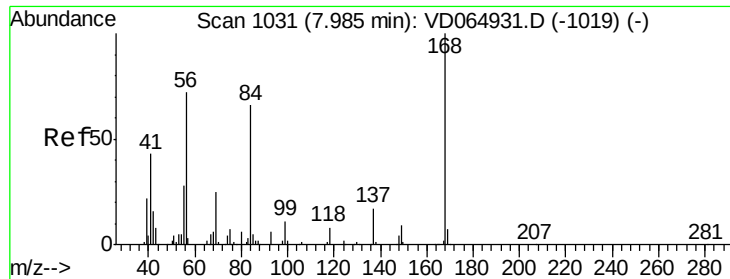
MMDadoda
1/28/2020 3:40:02 PM



#30
Chloroform
Concen: 20.197 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6





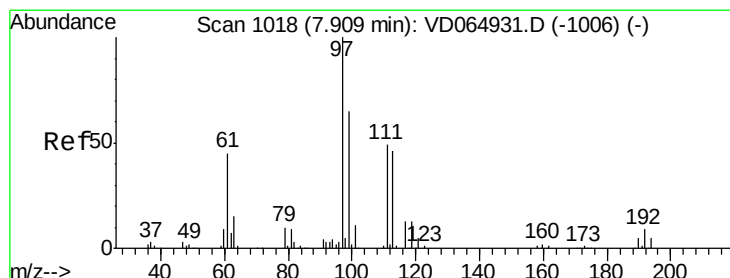
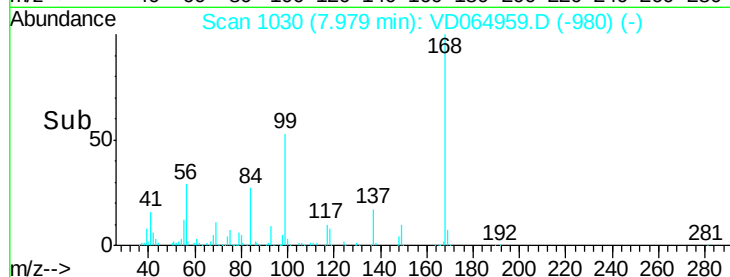
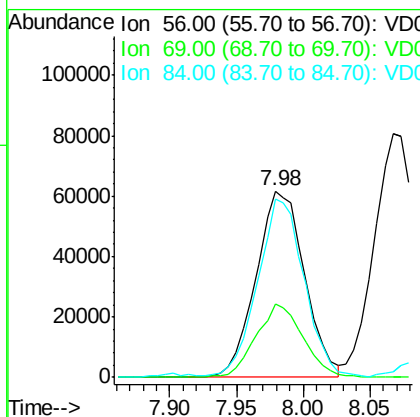
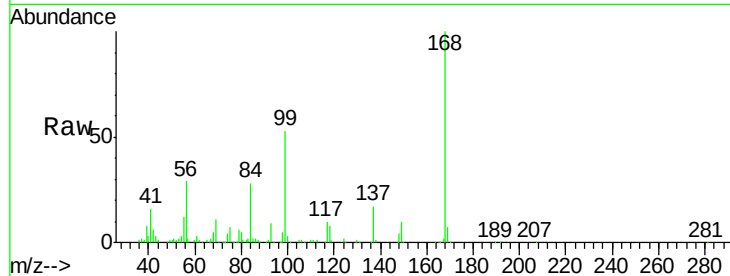
#31
Cyclohexane
Concen: 19.706 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.9	41.9
84	94.2	72.8	109.2

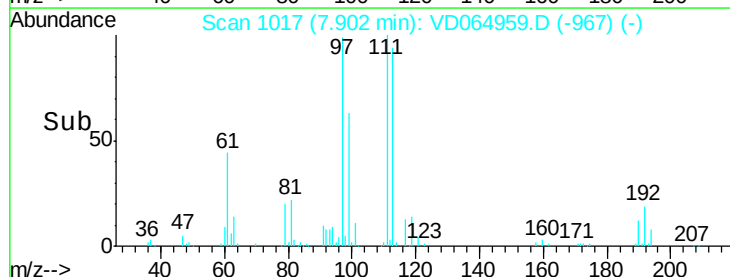
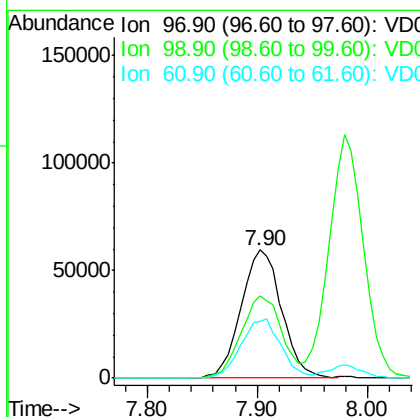
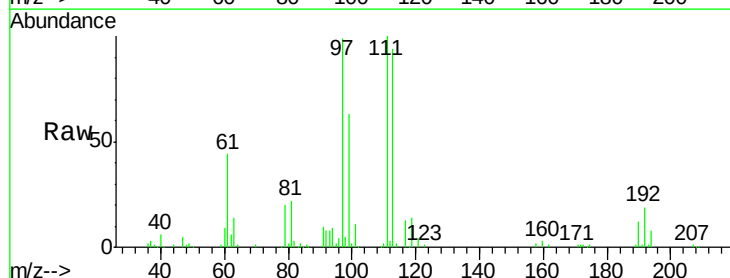
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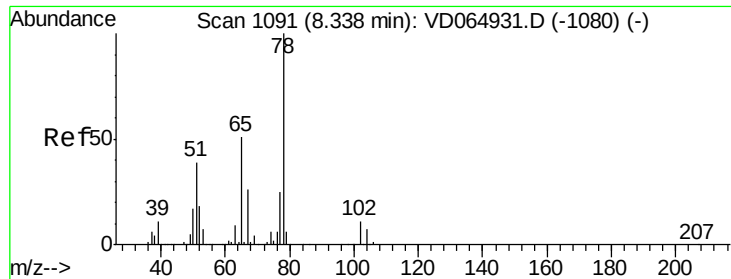
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.990 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.6	35.7	53.5





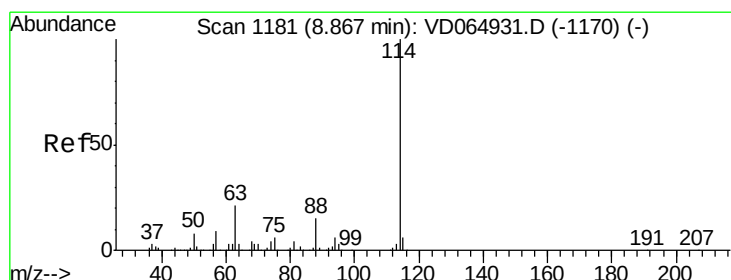
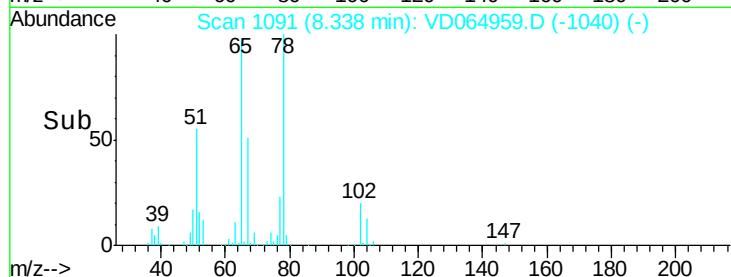
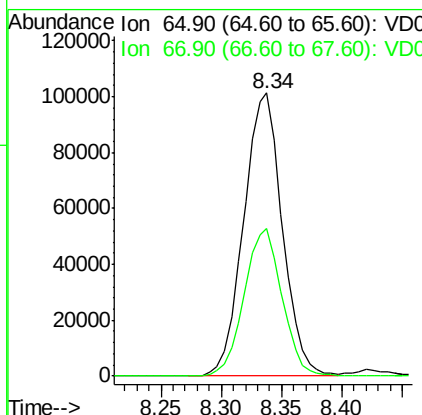
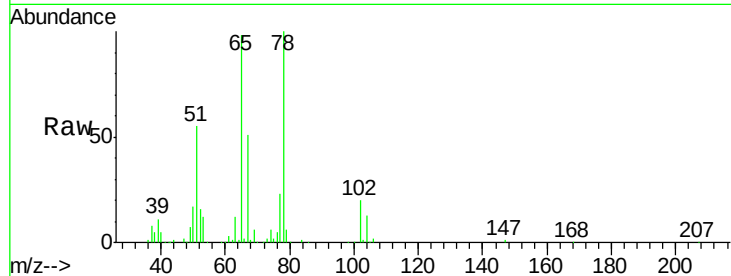
#33
 1,2-Dichloroethane-d4
 Concen: 49.868 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225430		
67	51.5	0.0	103.6	

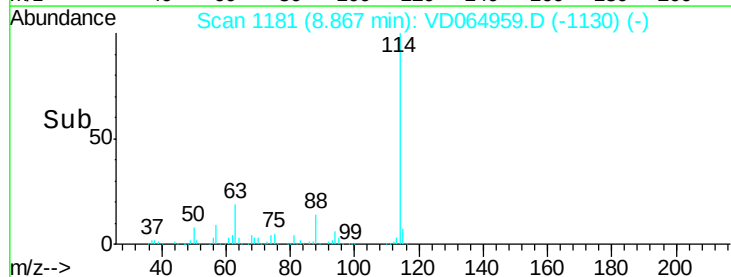
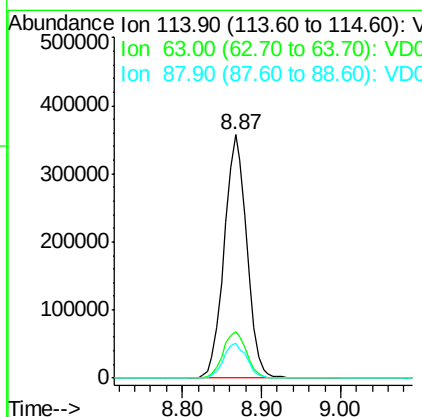
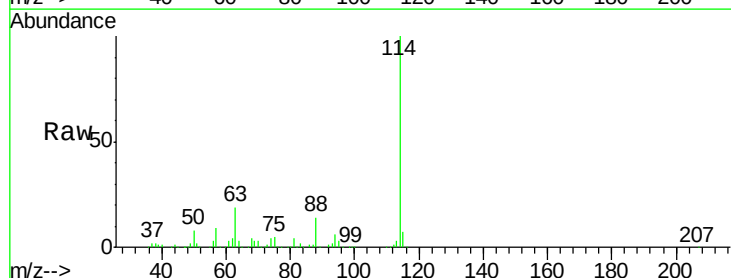
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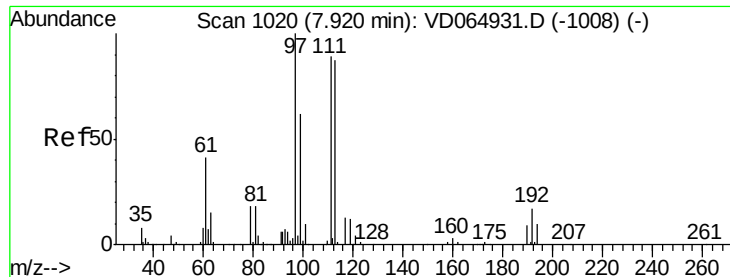
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 1/28/2020 3:40:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	702968		
63	19.3	0.0	42.0	
88	14.3	0.0	29.4	





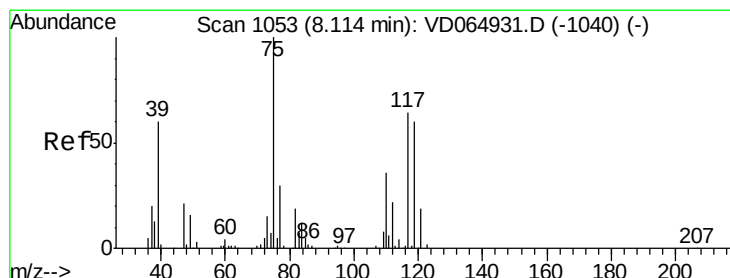
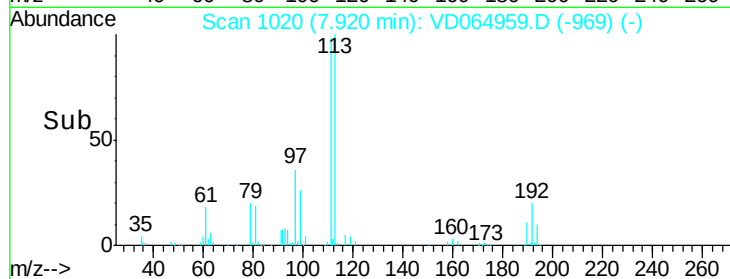
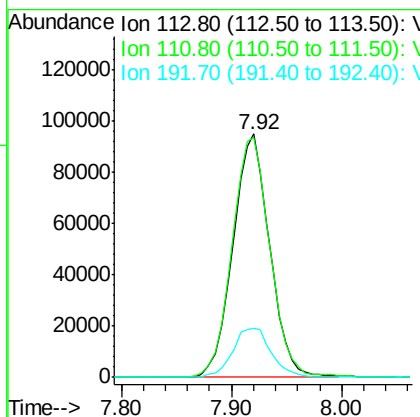
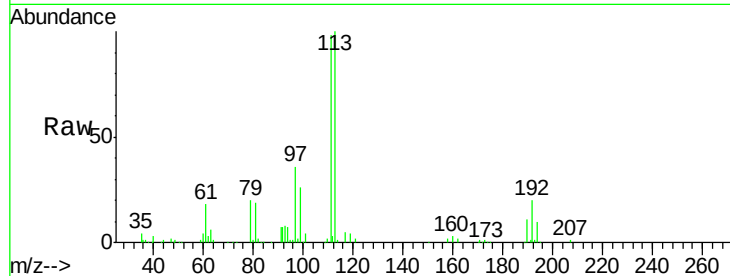
#35
 Dibromofluoromethane
 Concen: 50.175 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	21.4	16.9	25.3

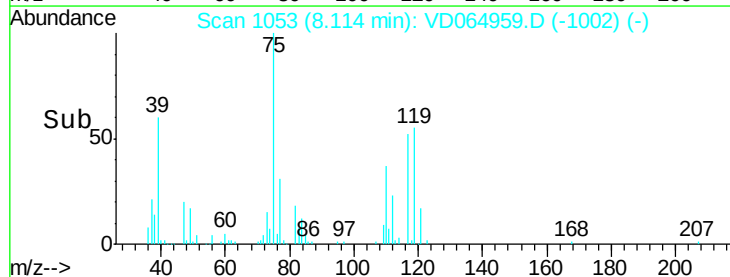
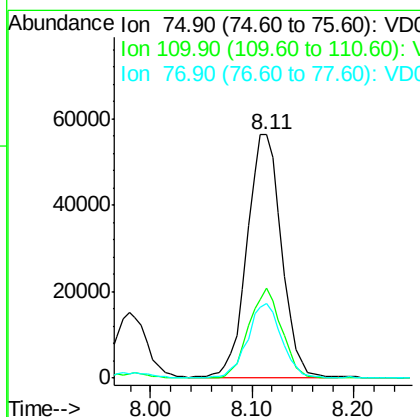
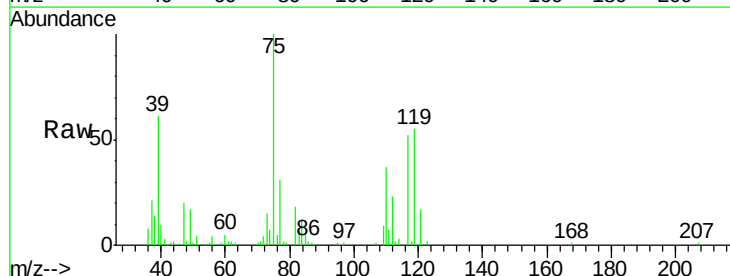
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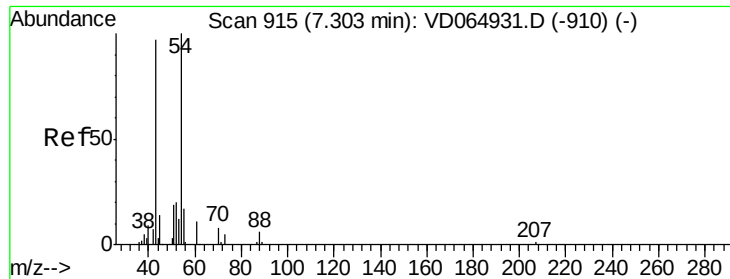
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#36
 1,1-Dichloropropene
 Concen: 19.707 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.3	52.0
77	30.4	24.7	37.1





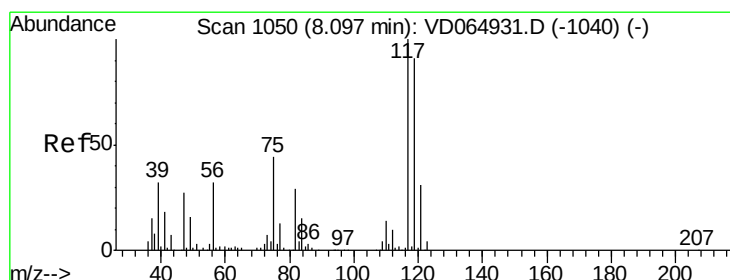
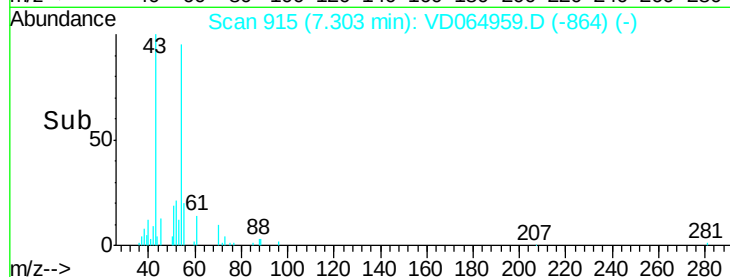
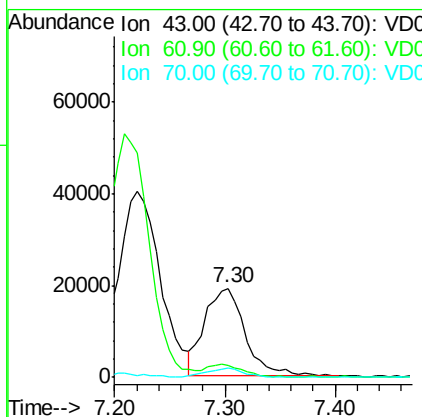
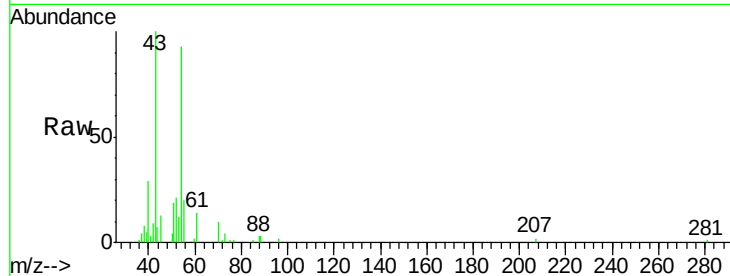
#37
Ethyl Acetate
Concen: 17.074 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.7	7.5	11.3

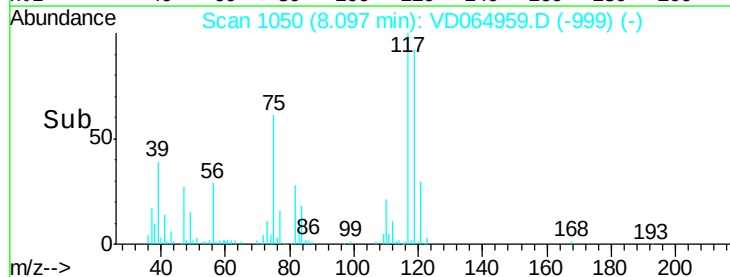
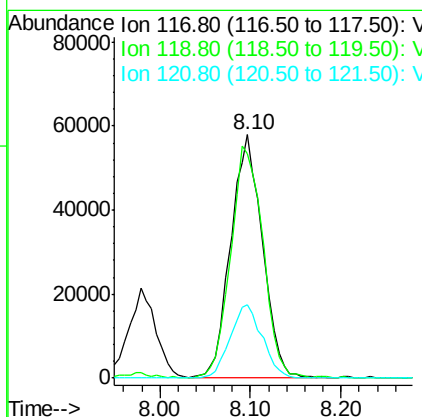
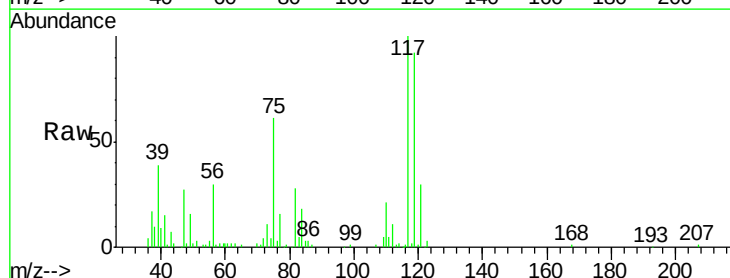
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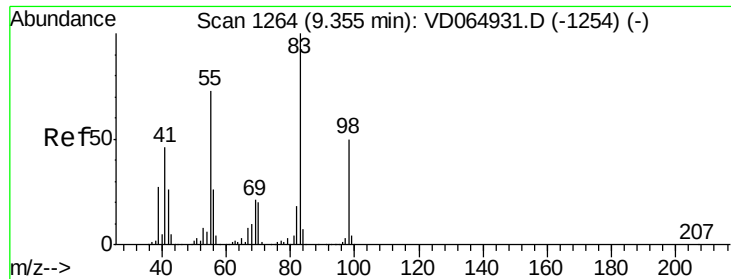
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#38
Carbon Tetrachloride
Concen: 19.470 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.2	109.8
121	30.1	24.4	36.6





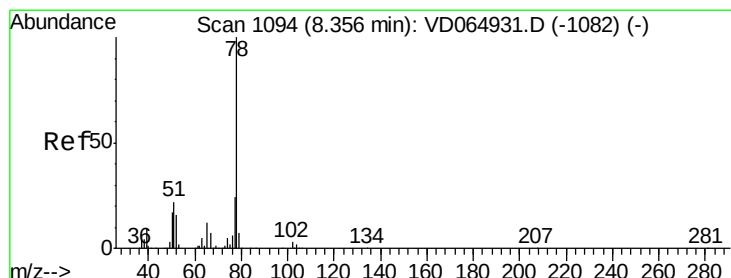
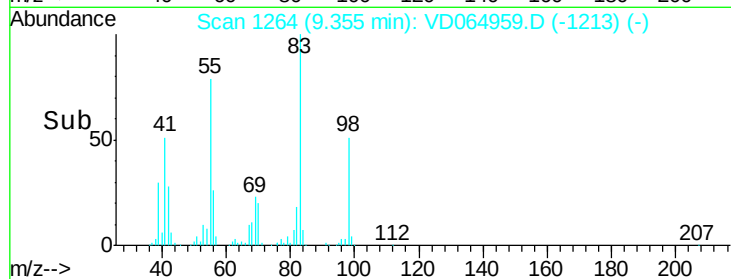
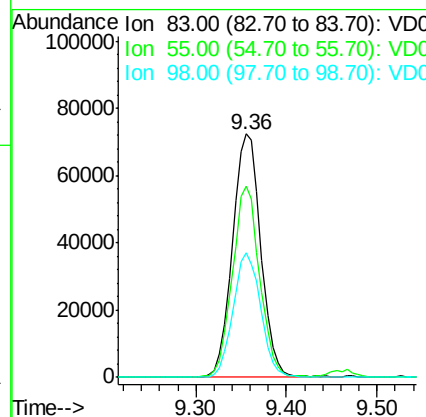
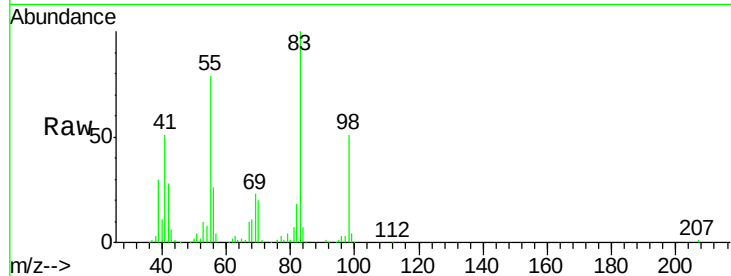
#39
Methylvlcyclohexane
Concen: 19.894 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	58.7	88.1
98	51.0	40.2	60.2

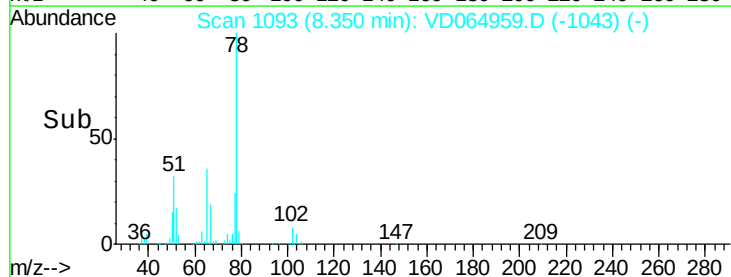
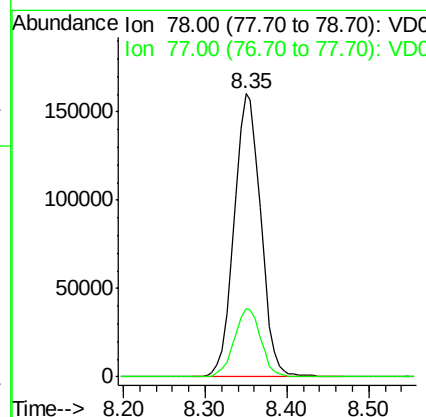
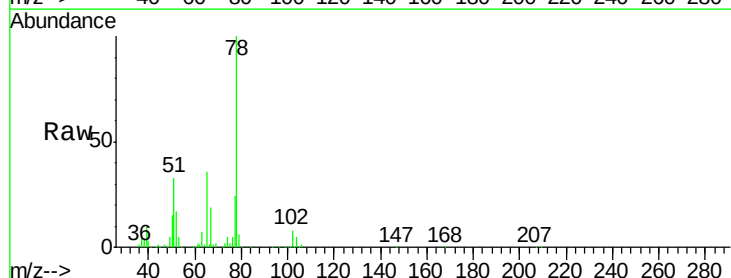
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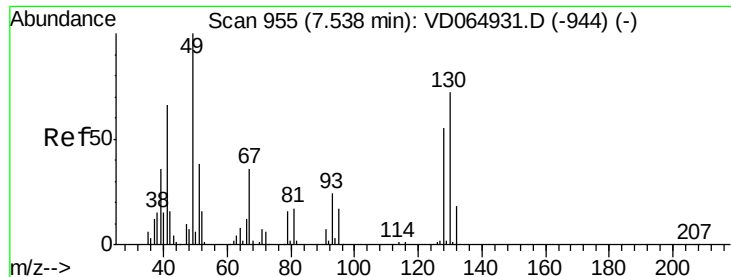
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#40
Benzene
Concen: 19.457 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





#41

Methacrylonitrile

Concen: 18.580 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 41 Resp: 28025

Ion Ratio Lower Upper

41 100

39 49.2 49.3 73.9#

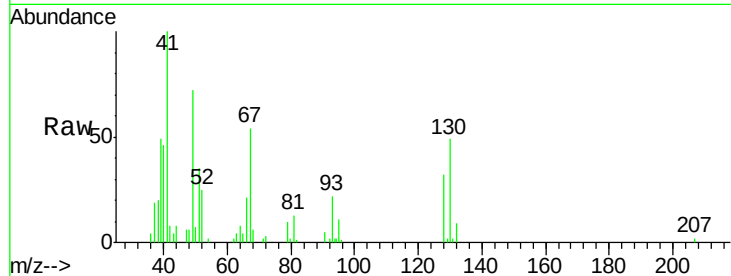
67 66.4 51.0 76.6

52 33.4 22.3 33.5

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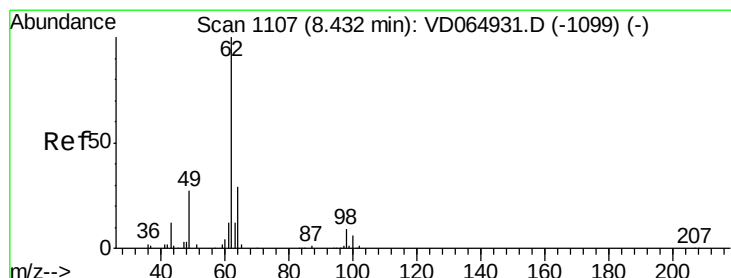
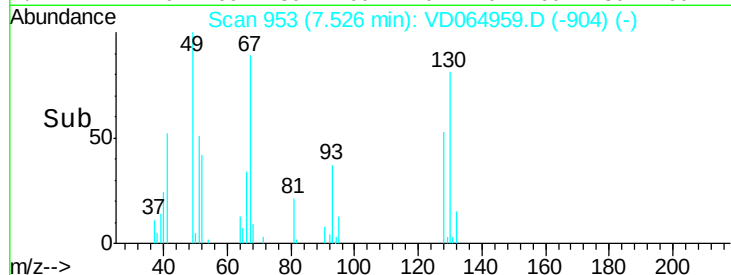
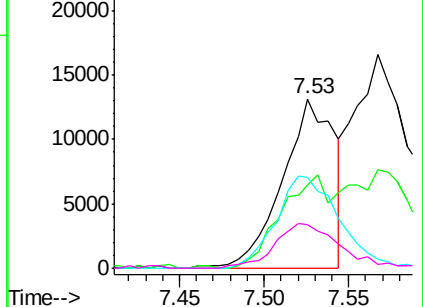


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.647 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064959.D

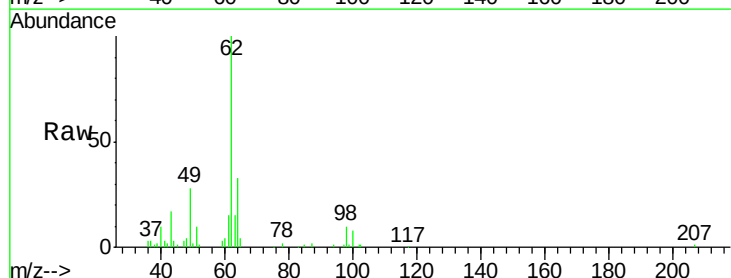
Acq: 27 Jan 2020 13:05

Tgt Ion: 62 Resp: 103700

Ion Ratio Lower Upper

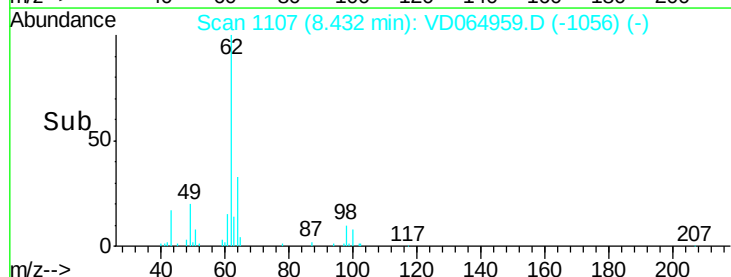
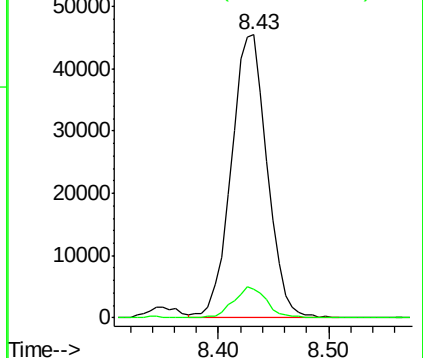
62 100

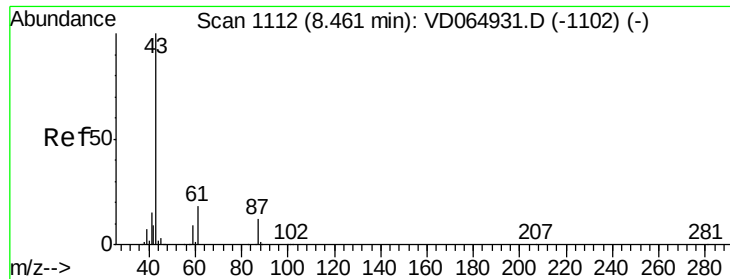
98 10.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.728 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

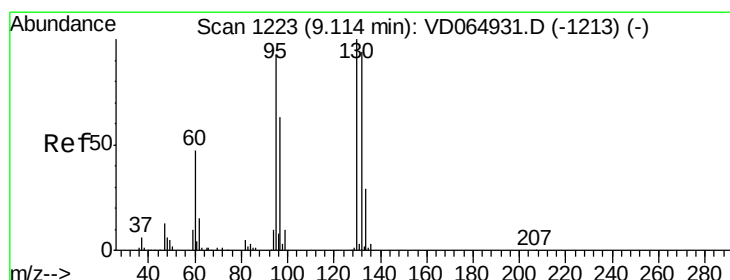
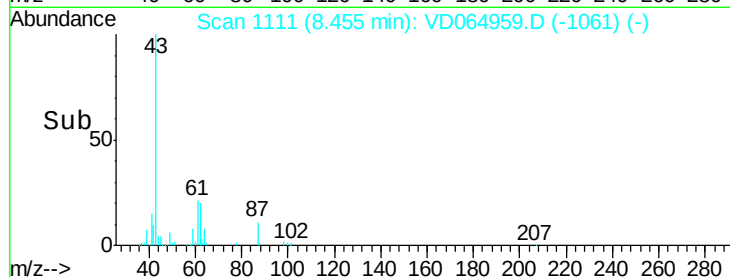
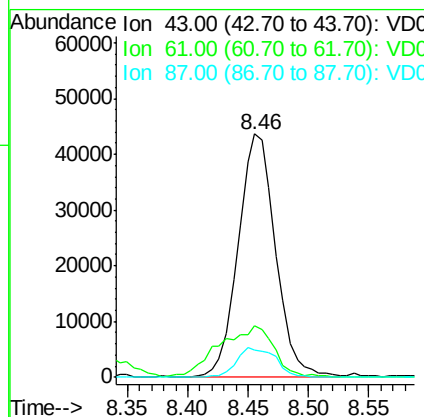
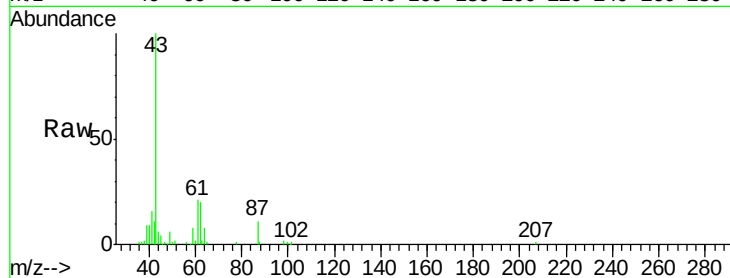
ClientSampleId :

VD0127SBS01

Tot Ion:	43	Resp:	94291
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.8	35.6
87	12.7	10.3	15.5

Manual Integrations
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1/28/2020 3:40:02 PM



#44

Trichloroethene

Concen: 19.538 ug/l

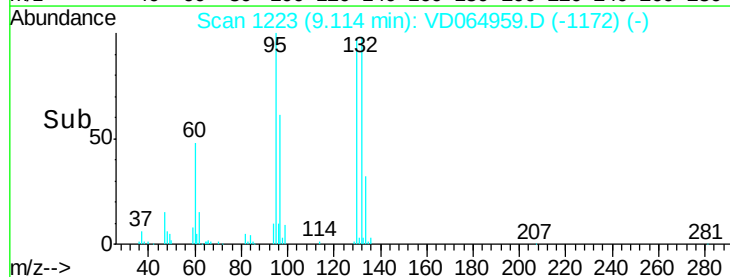
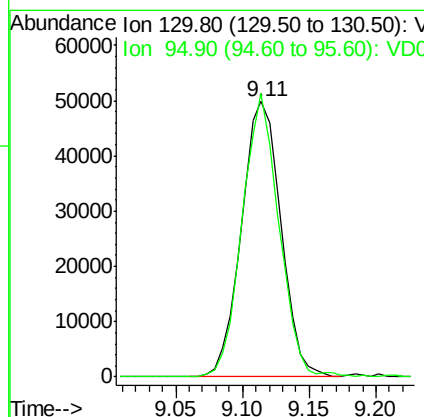
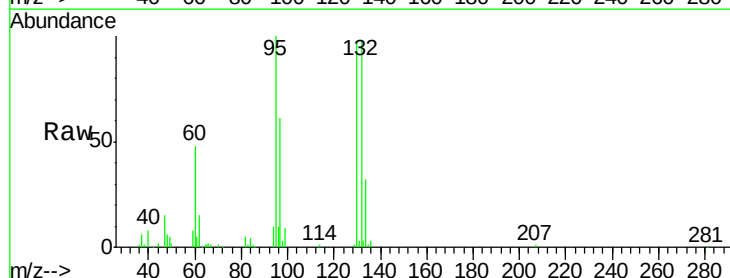
RT: 9.11 min Scan# 1223

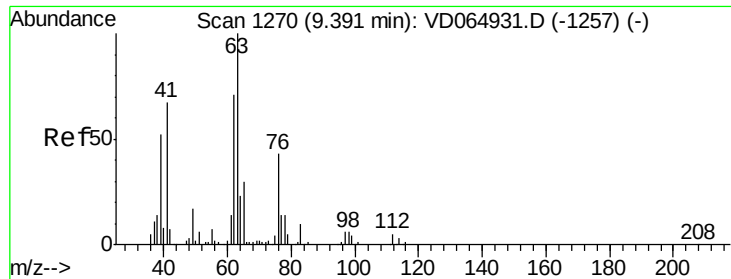
Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	130	Resp:	102085
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	185.8





#45

1,2-Dichloropropane

Concen: 19.512 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 63 Resp: 88308

Ion Ratio Lower Upper

63 100

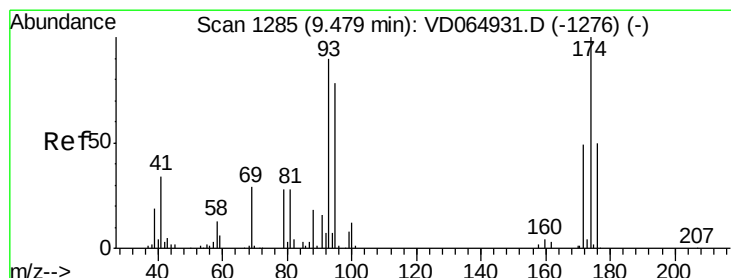
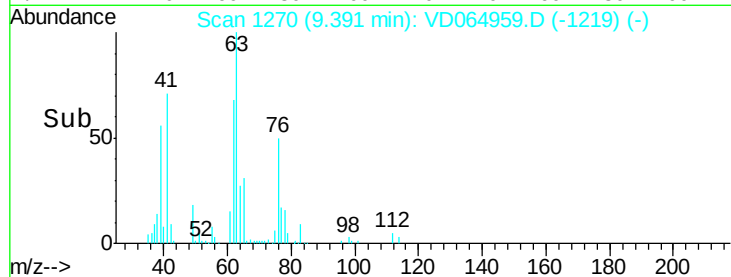
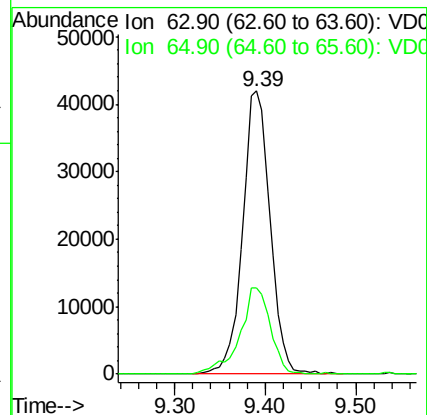
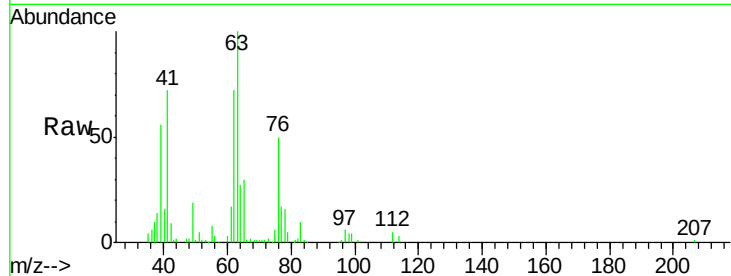
65 30.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.285 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

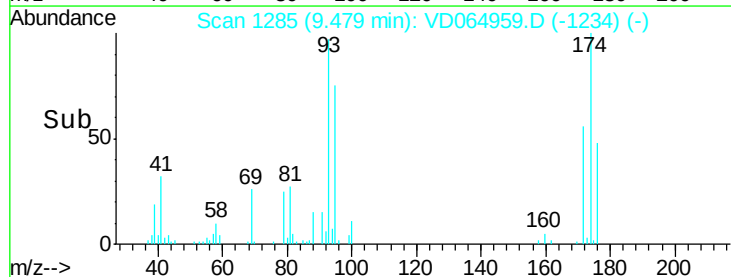
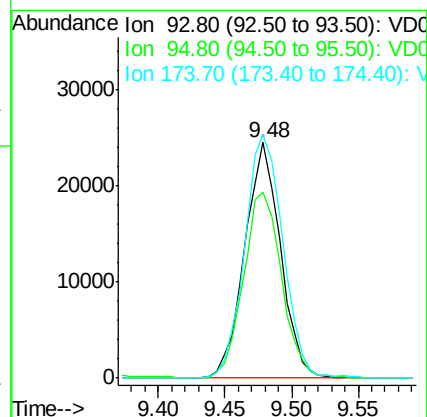
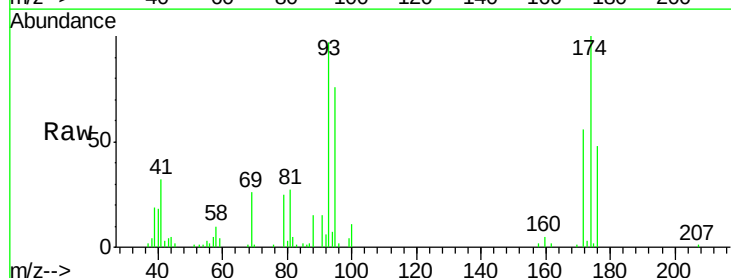
Tgt Ion: 93 Resp: 45181

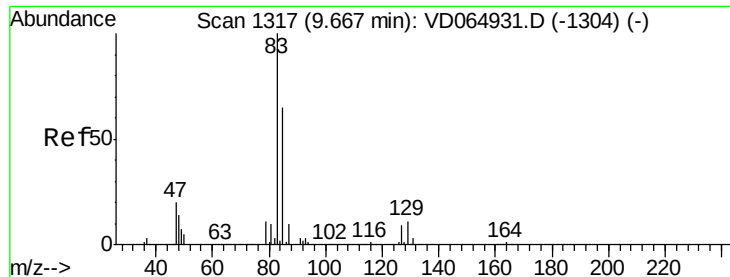
Ion Ratio Lower Upper

93 100

95 84.5 67.5 101.3

174 111.1 88.4 132.6





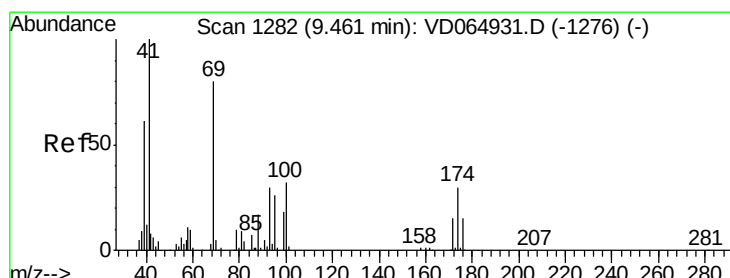
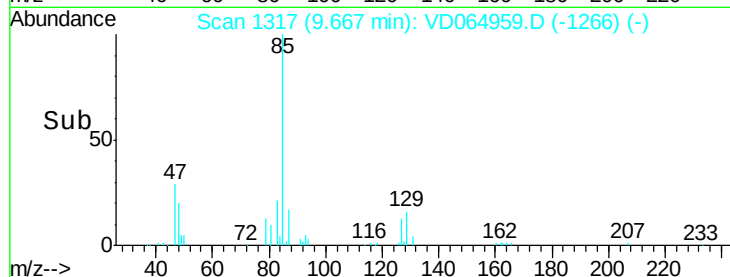
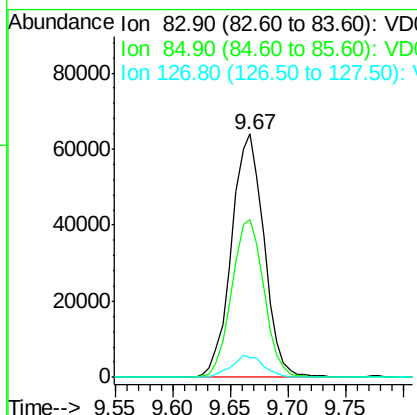
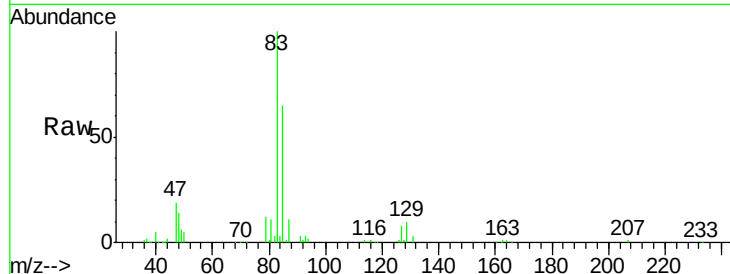
#47
Bromodichloromethane
Concen: 19.398 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	124721		
85	64.6	52.0	78.0	
127	8.3	7.3	10.9	

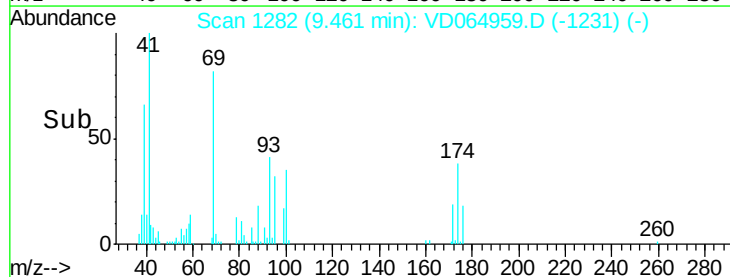
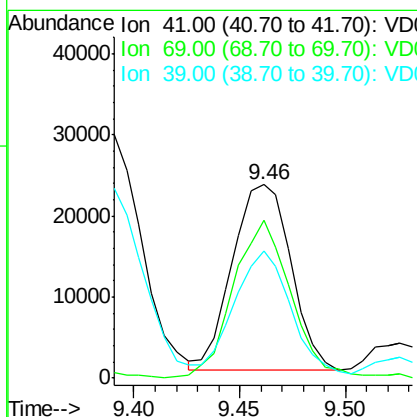
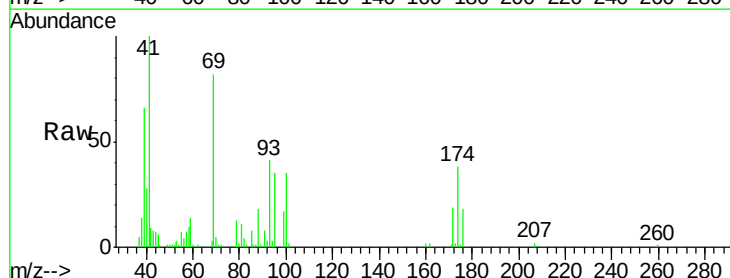
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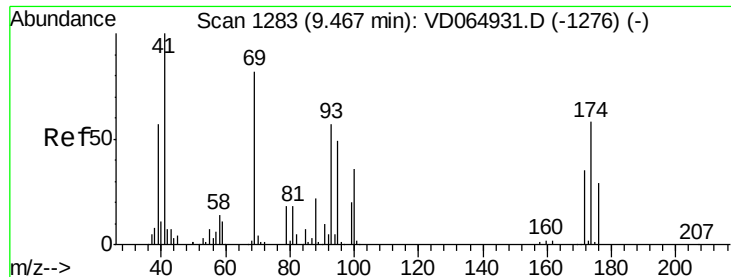
MMDadoda
1/28/2020 3:40:02 PM



#48
Methyl methacrylate
Concen: 18.087 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	44270		
69	84.2	65.8	98.8	
39	61.7	49.4	74.0	





#49

1,4-Dioxane

Concen: 357.605 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

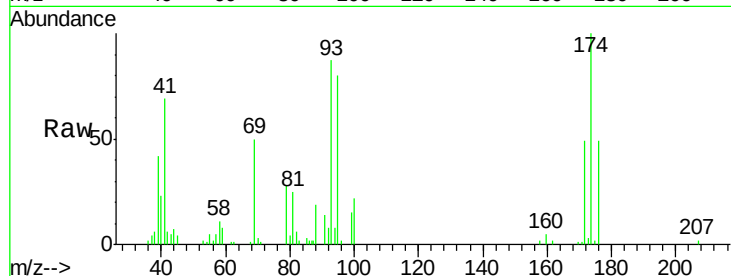
ClientSampleId :

VD0127SBS01

Tot Ion	88	Resp	10248
Ion Ratio	Lower	Upper	
88	100		
43	30.1	26.2	39.4
58	59.8	50.3	75.5

Manual Integrations
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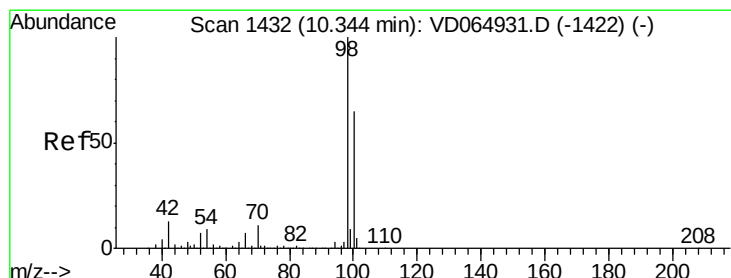
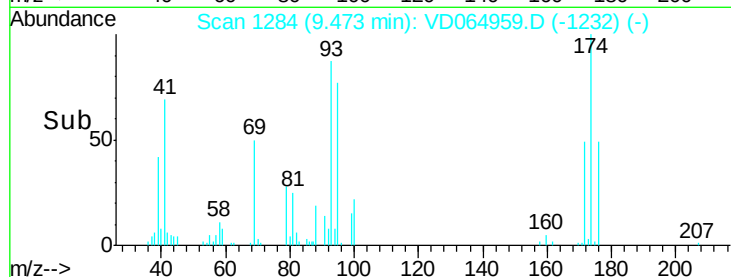
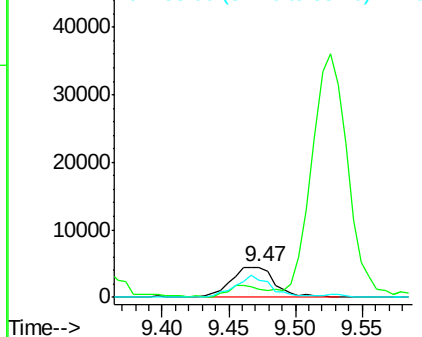


Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.699 ug/l

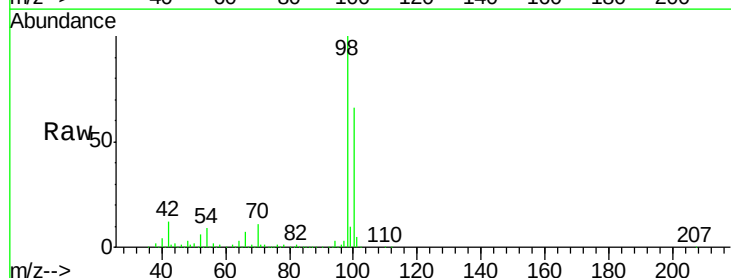
RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

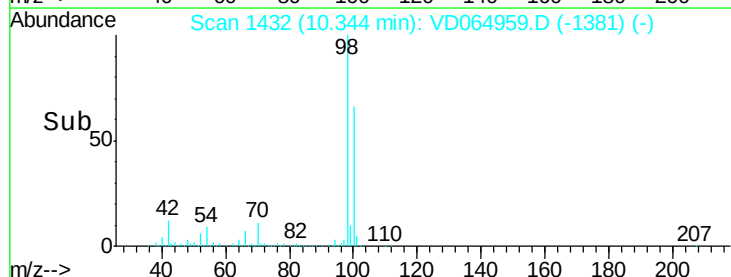
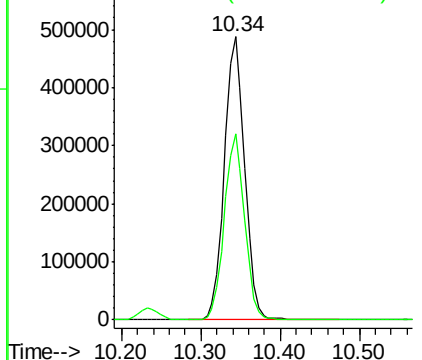
Tgt Ion	98	Resp	864426
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.3	78.5

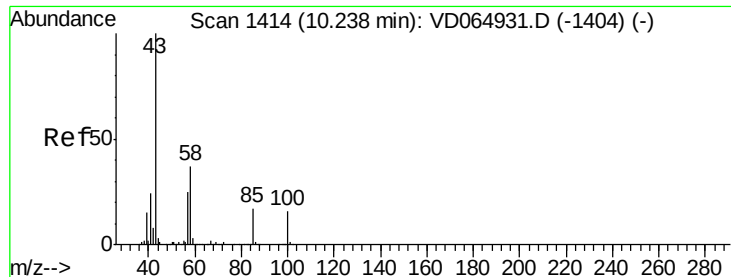


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





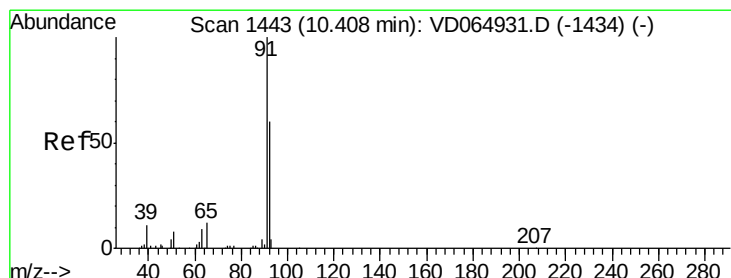
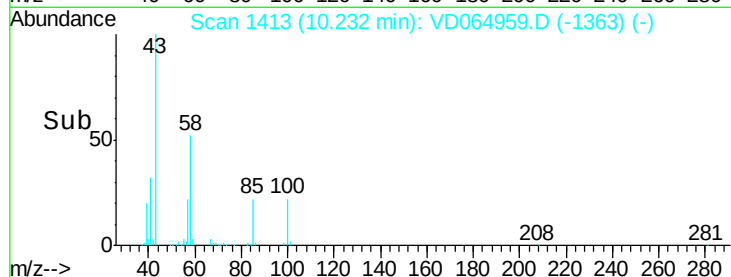
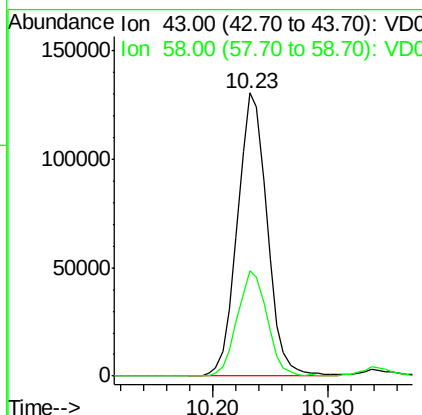
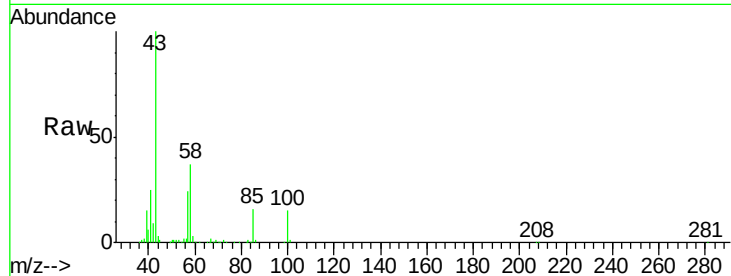
#51
4-Methyl-2-Pentanone
Concen: 88.122 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.4	45.6

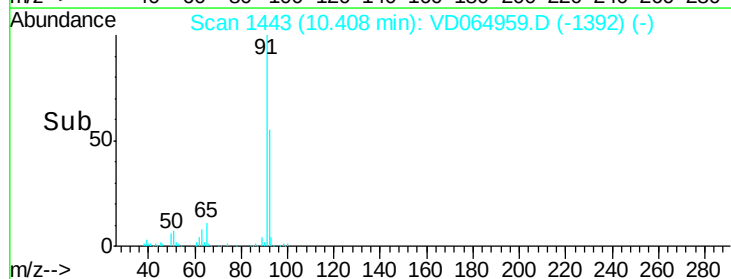
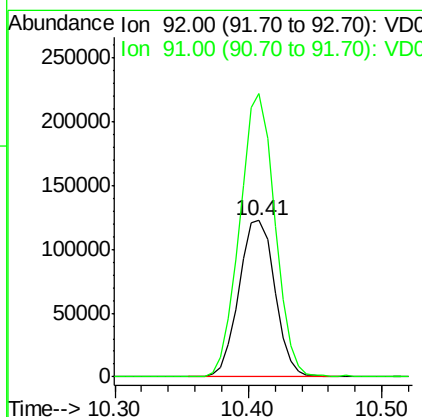
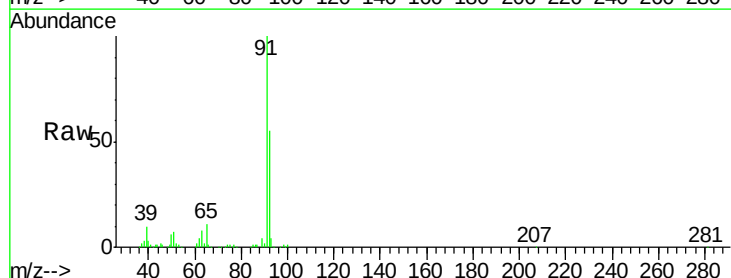
Manual Integrations
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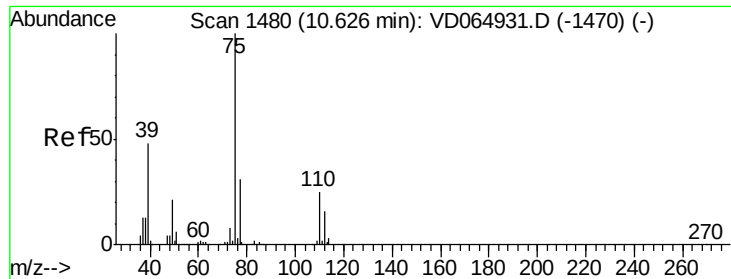
MMDadoda
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#52
Toluene
Concen: 19.080 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	136.8	205.2





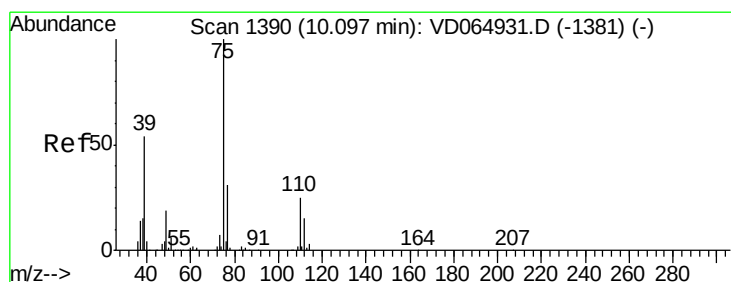
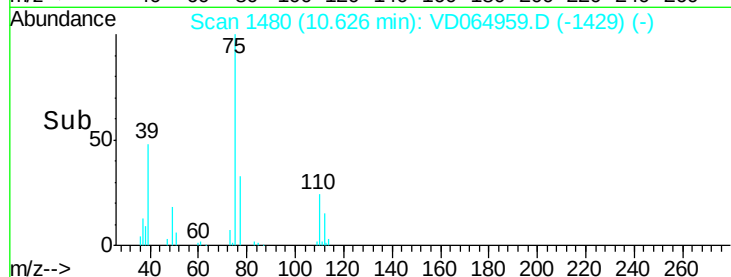
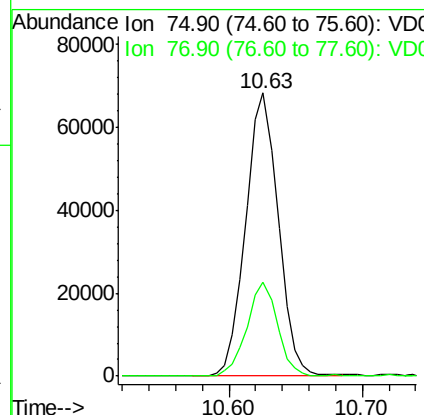
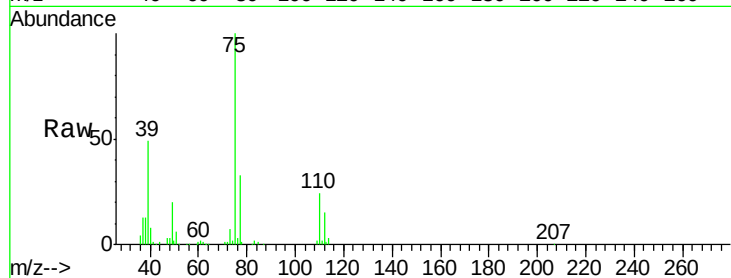
#53
t-1,3-Dichloropropene
Concen: 18.819 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	75	Resp	115255
Ion Ratio	Lower	Upper	
75	100		
77	33.2	25.0	37.6

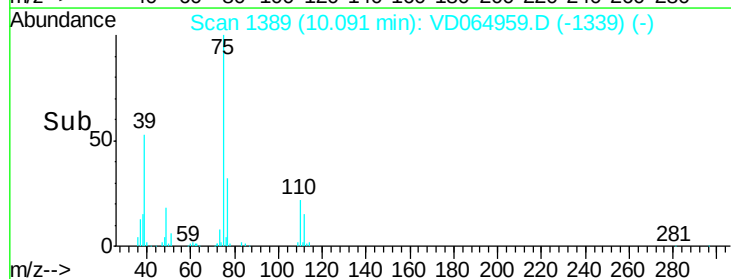
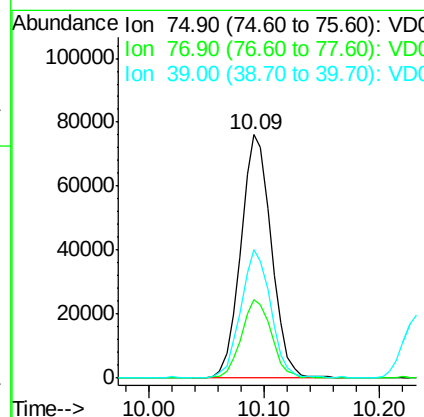
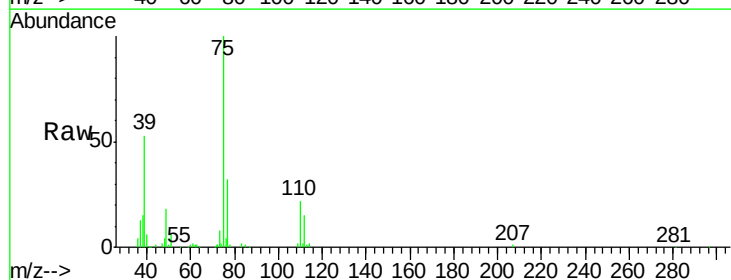
Manual Integrations
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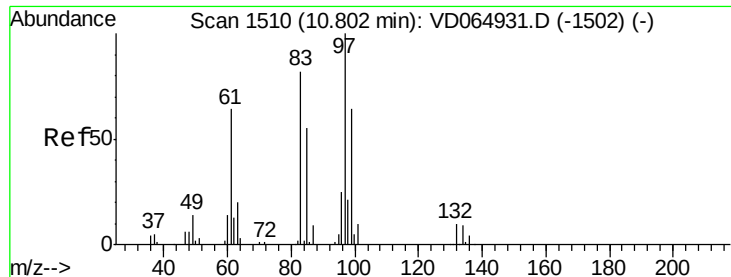
MMDadoda
1/28/2020 3:40:02 PM



#54
cis-1,3-Dichloropropene
Concen: 19.435 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	75	Resp	139362
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.1	37.7
39	52.6	43.0	64.6





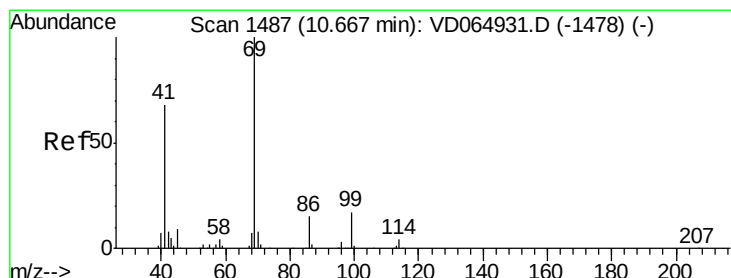
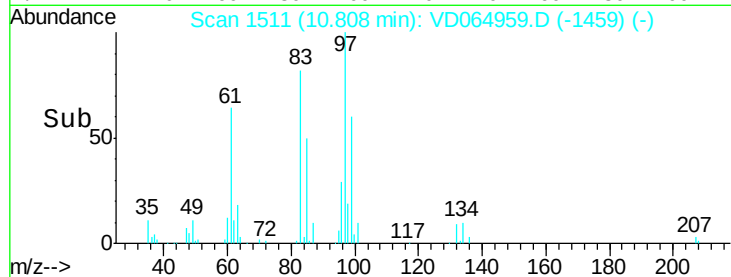
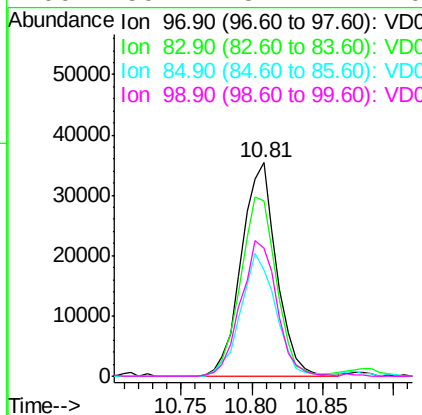
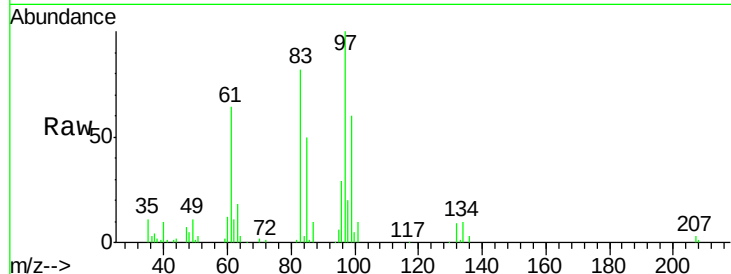
#55
 1,1,2-Trichloroethane
 Concen: 18.592 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion:	97	Resp:	61882
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.0	99.0
85	49.6	44.4	66.6
99	59.7	51.4	77.0

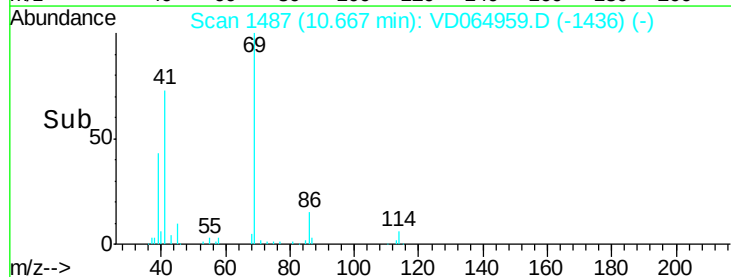
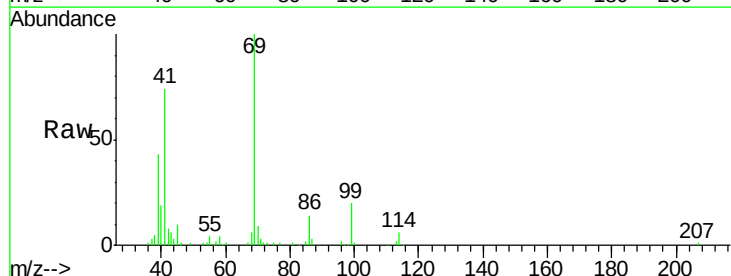
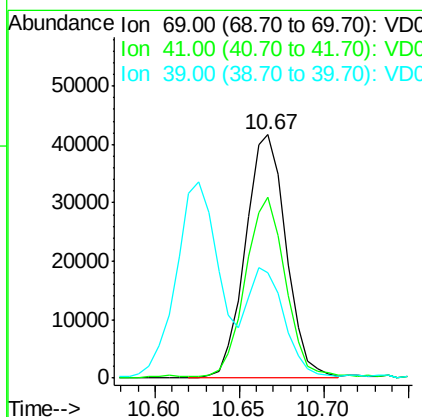
Manual Integrations
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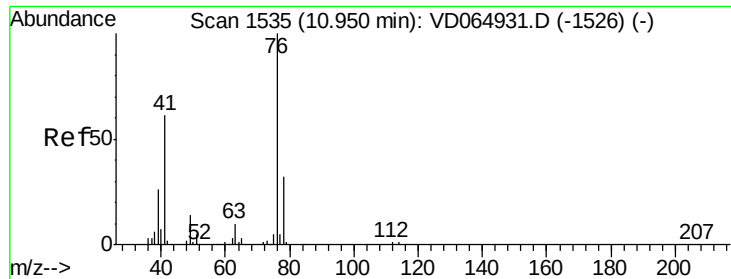
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#56
 Ethyl methacrylate
 Concen: 17.596 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion:	69	Resp:	70032
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.4	84.6
39	39.1	30.6	46.0





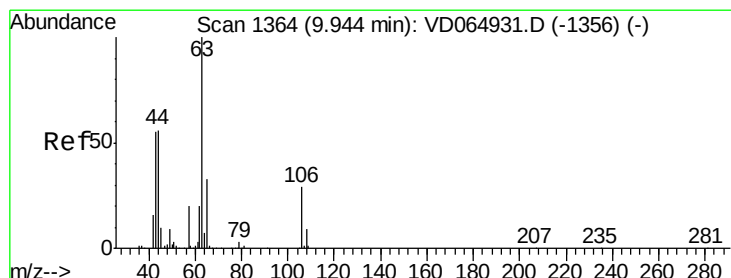
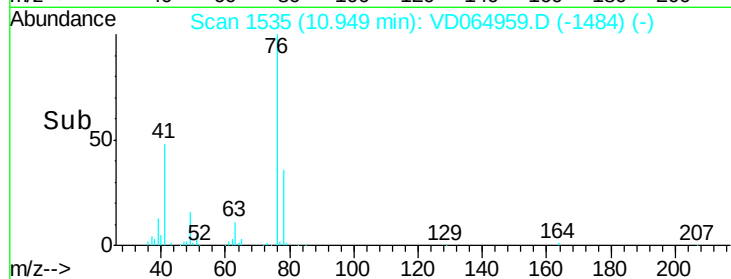
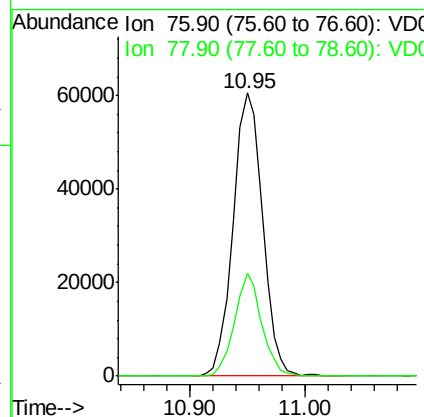
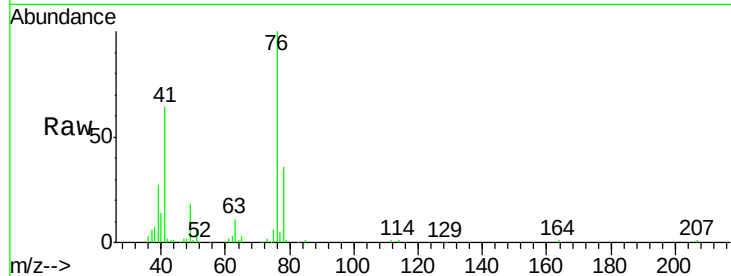
#57
 1,3-Dichloropropane
 Concen: 18.773 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.7	38.5

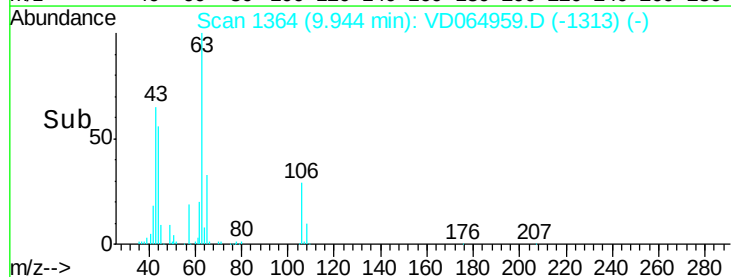
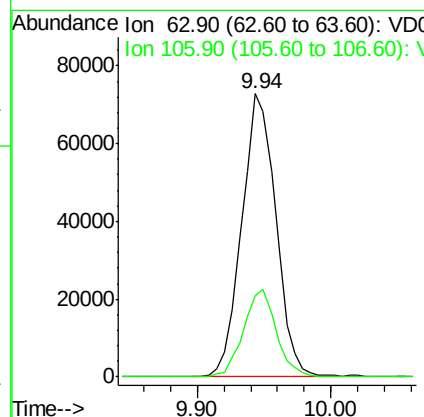
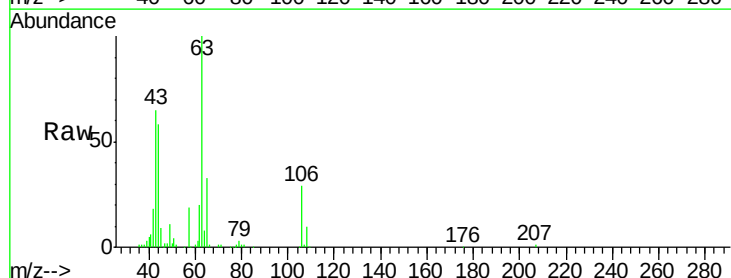
Manual Integrations
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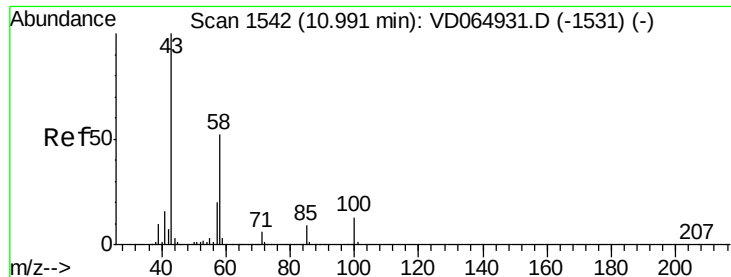
MMDadoda
 1/28/2020 3:40:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.603 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.0	34.4





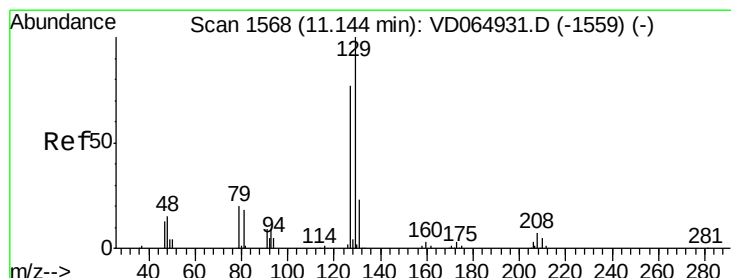
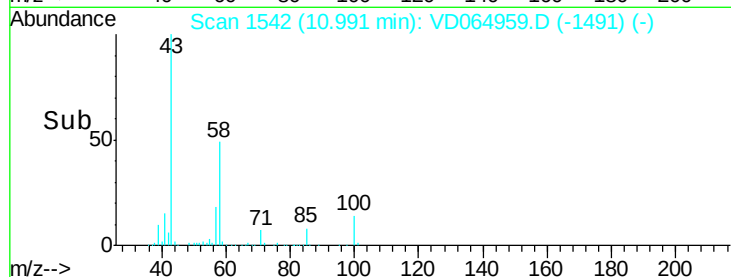
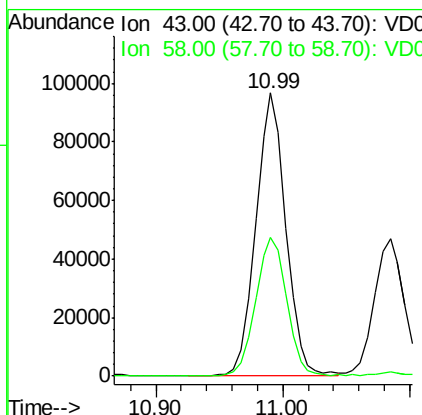
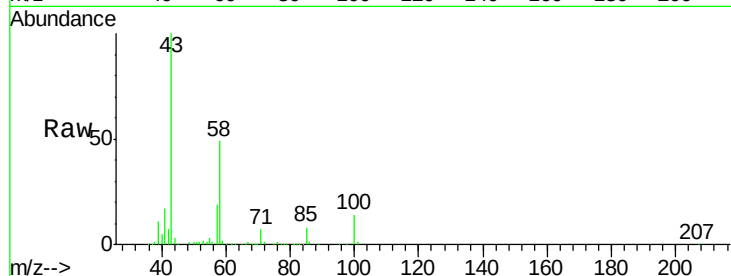
#59
2-Hexanone
Concen: 86.947 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion: 43 Resp: 159603
Ion Ratio Lower Upper
43 100
58 50.6 26.5 79.4

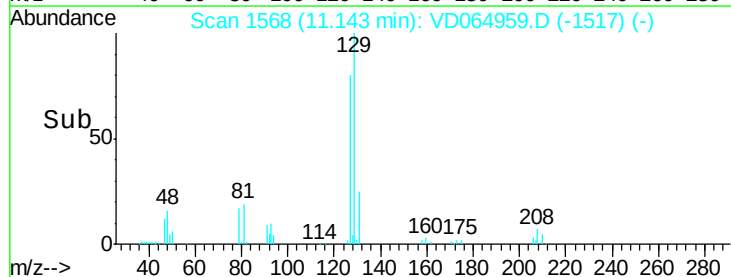
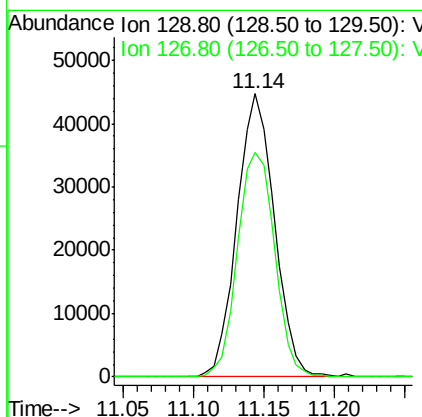
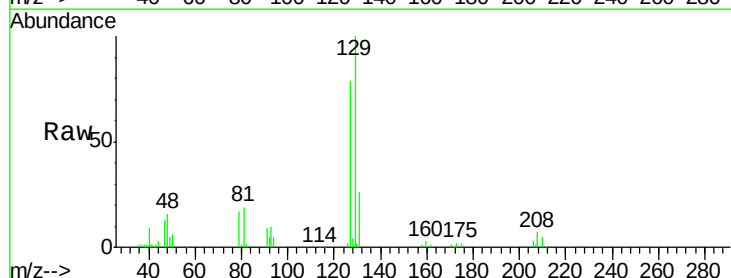
Manual Integrations
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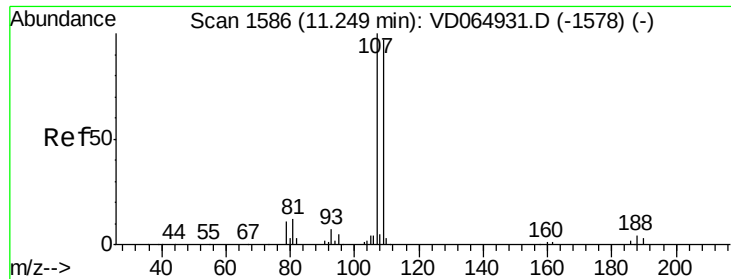
MMDadoda
1/28/2020 3:40:02 PM



#60
Dibromochloromethane
Concen: 18.693 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 129 Resp: 83155
Ion Ratio Lower Upper
129 100
127 78.9 38.2 114.6





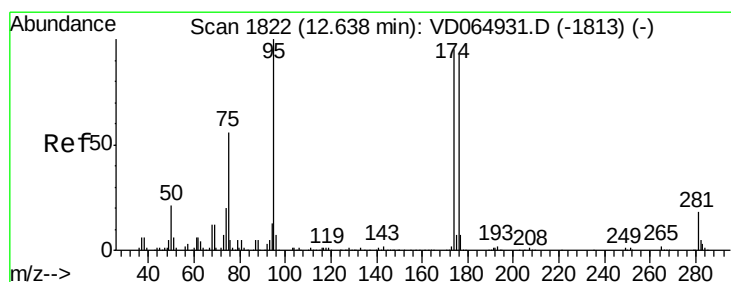
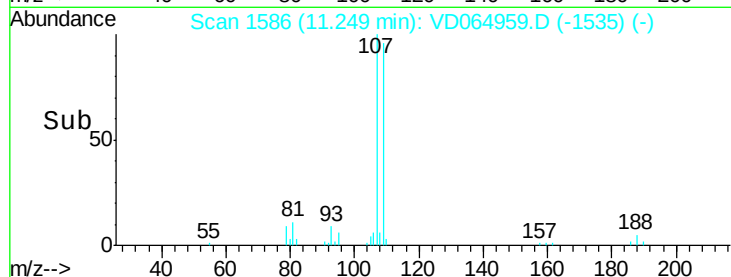
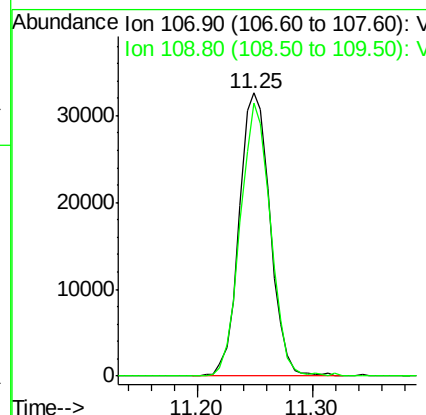
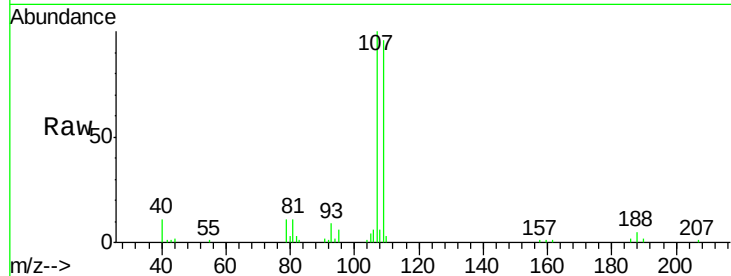
#61
 1,2-Dibromoethane
 Concen: 18.810 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.1	115.7

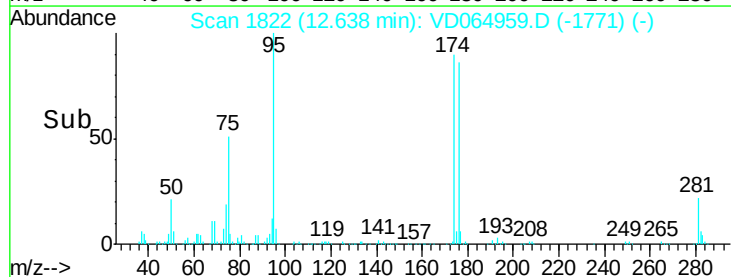
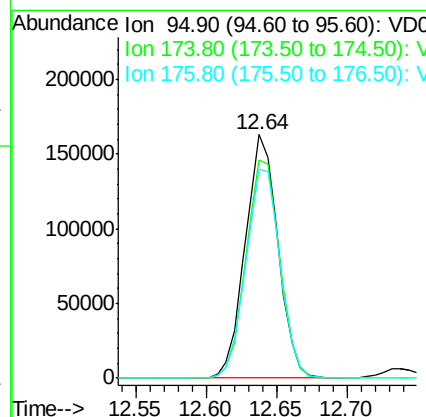
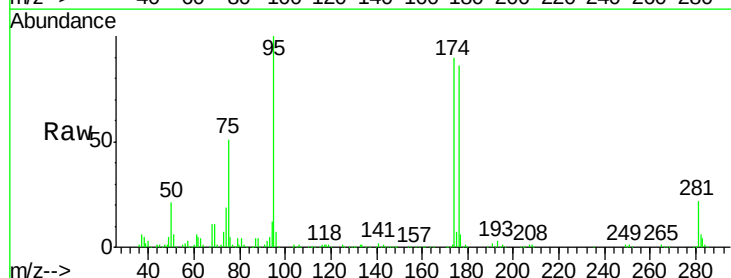
Manual Integrations
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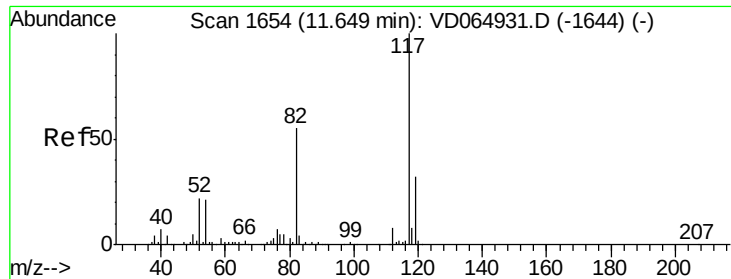
MMDadoda
 1/28/2020 3:40:02 PM



#62
 4-Bromofluorobenzene
 Concen: 50.867 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	186.8
176	89.8	0.0	183.4





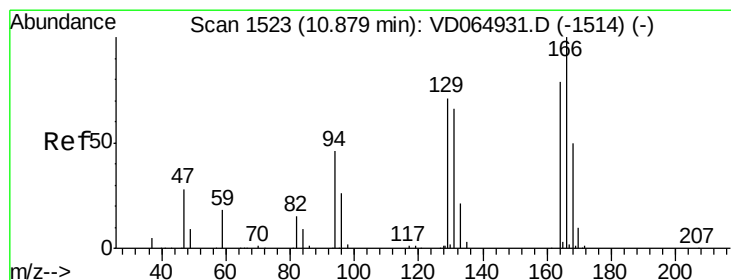
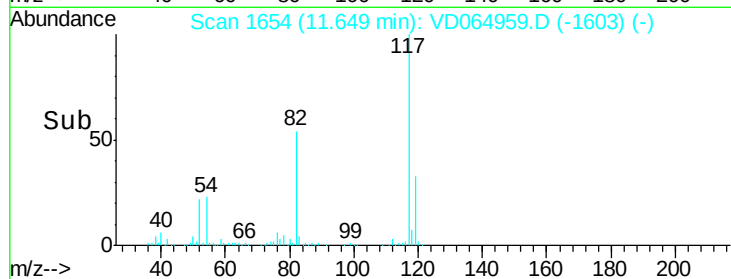
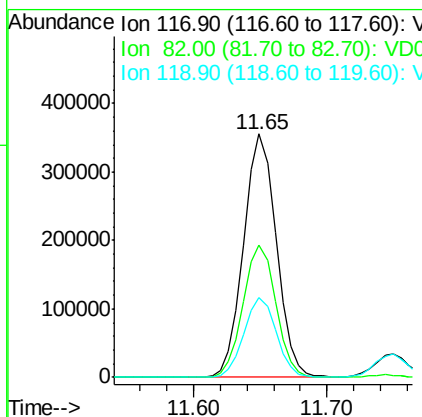
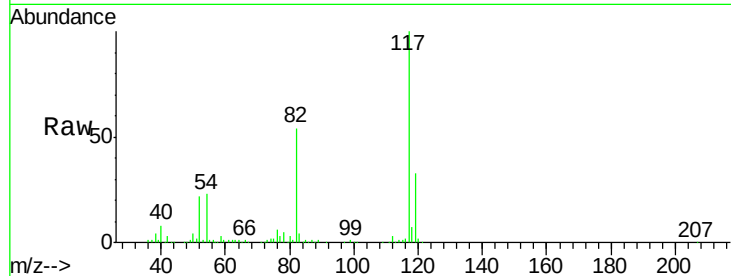
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	604943		
82	54.1		43.6	65.4
119	32.6		25.2	37.8

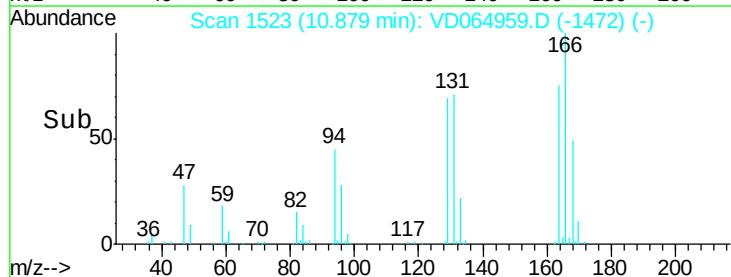
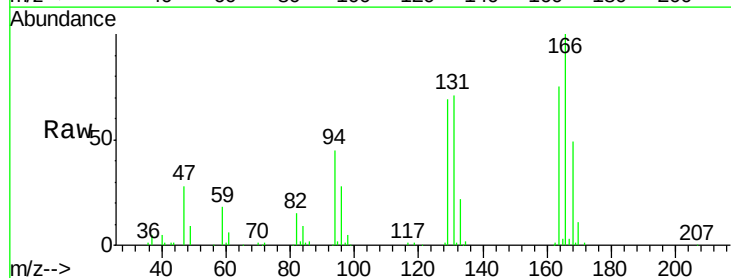
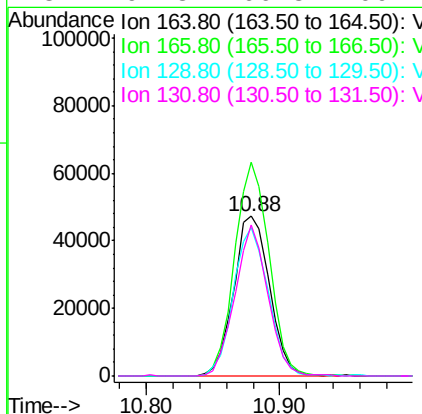
Manual Integrations
APPROVED

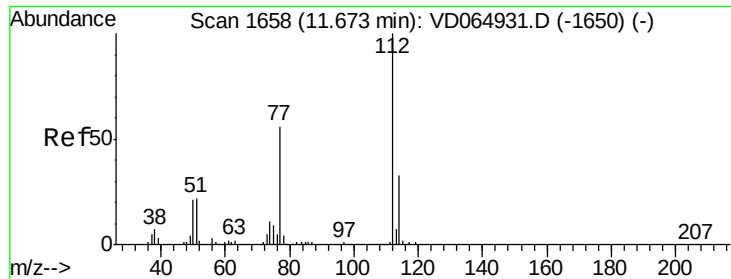
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#64
Tetrachloroethene
Concen: 20.197 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88290		
166	133.6		101.4	152.2
129	92.8		71.8	107.8
131	94.3		66.8	100.2





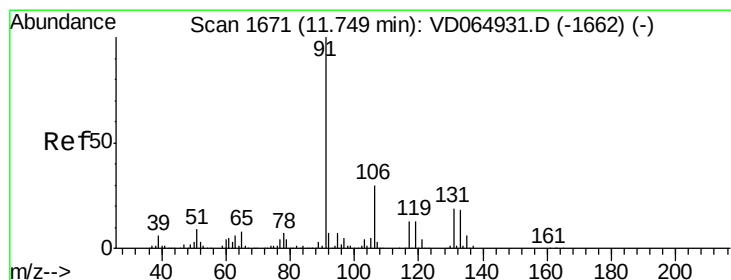
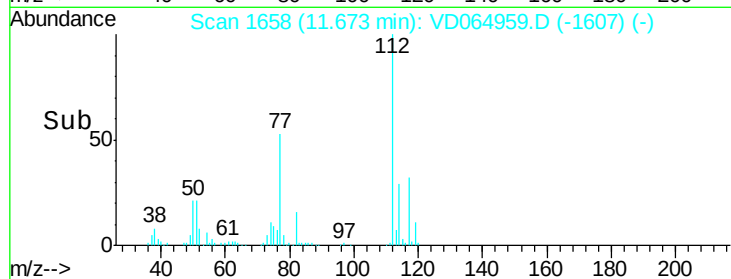
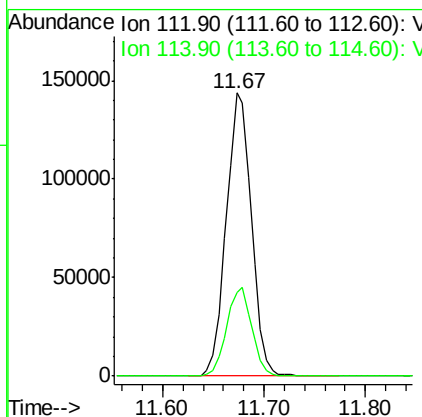
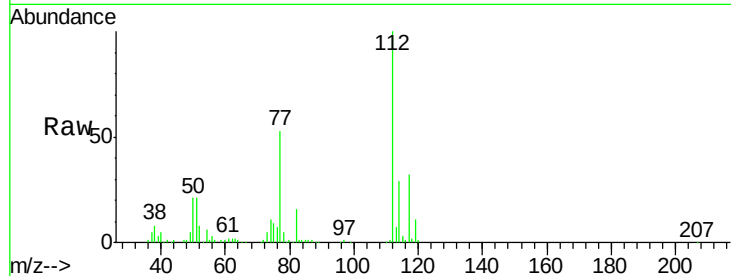
#65
Chlorobenzene
Concen: 20.195 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion:112 Resp: 248047
Ion Ratio Lower Upper
112 100
114 29.4 26.2 39.4

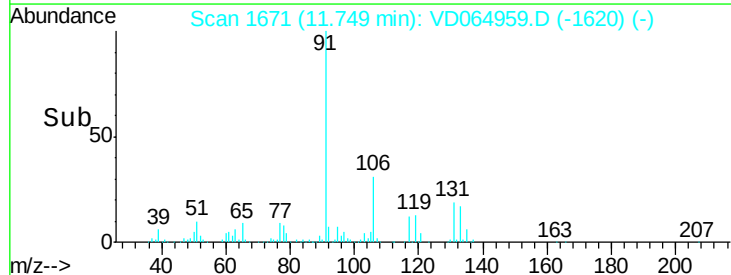
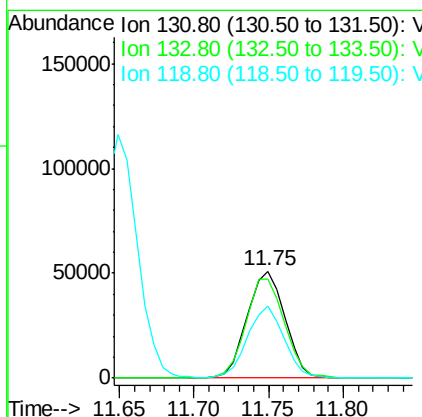
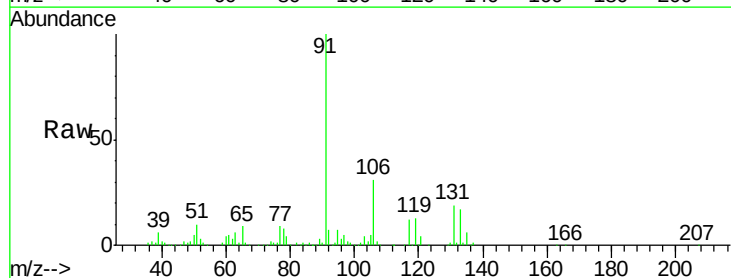
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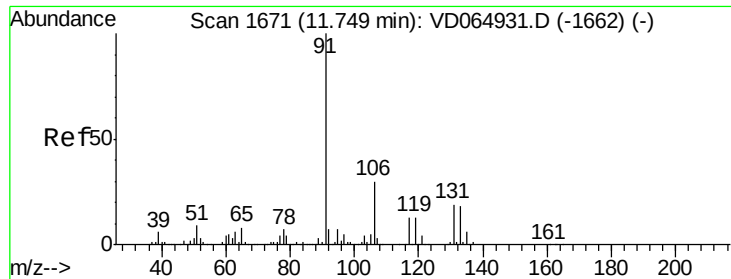
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.295 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:131 Resp: 89128
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 65.6 31.1 93.5





#67

Ethyl Benzene

Concen: 20.099 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion: 91 Resp: 438274

Ion Ratio Lower Upper

91 100

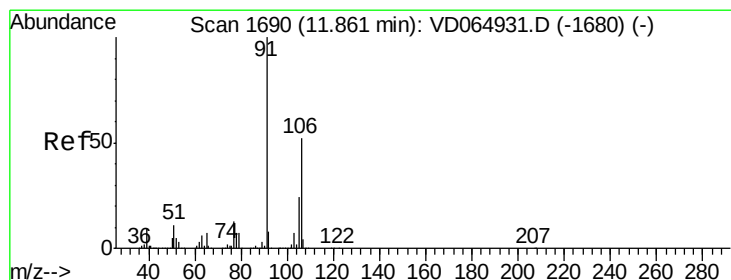
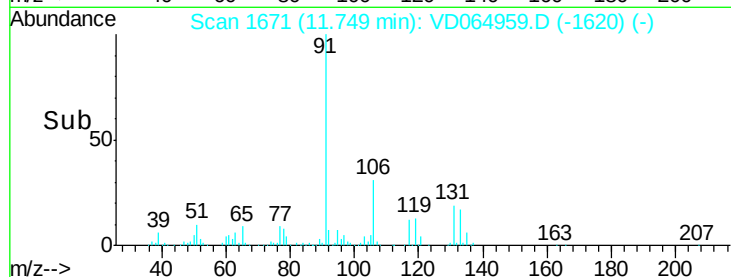
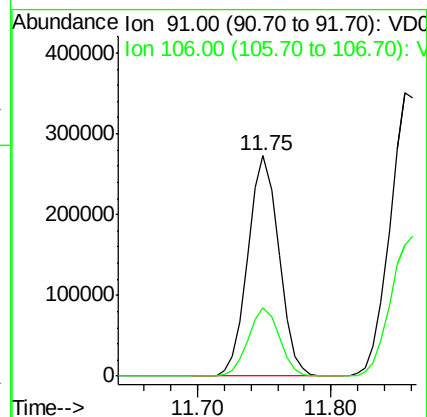
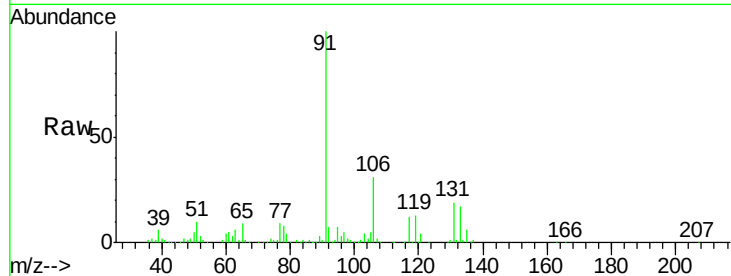
106 31.2 24.3 36.5

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 39.653 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064959.D

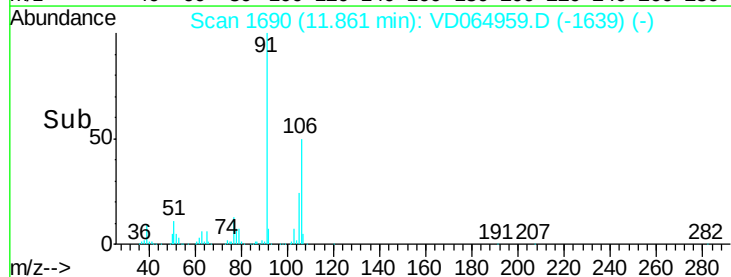
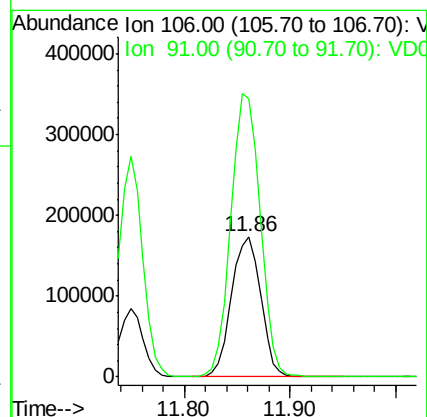
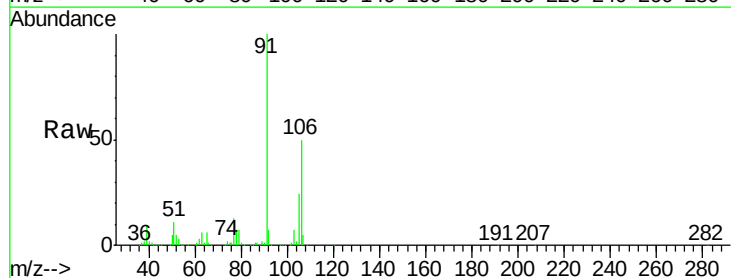
Acq: 27 Jan 2020 13:05

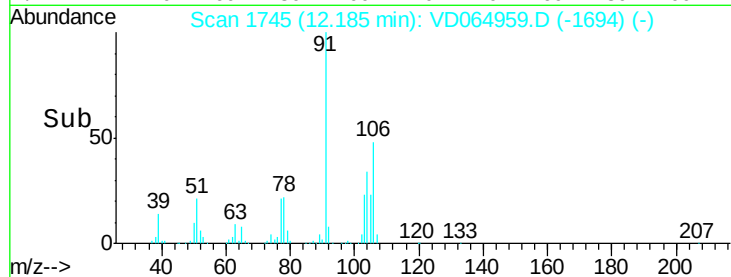
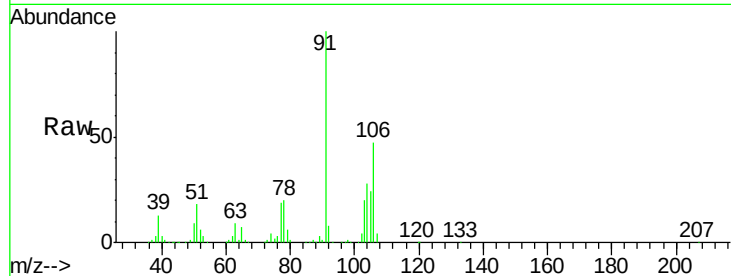
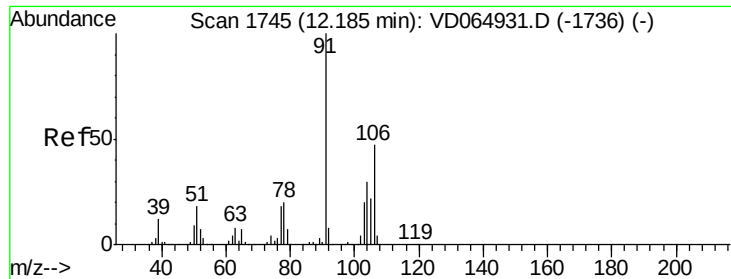
Tgt Ion: 106 Resp: 332911

Ion Ratio Lower Upper

106 100

91 202.4 159.0 238.4





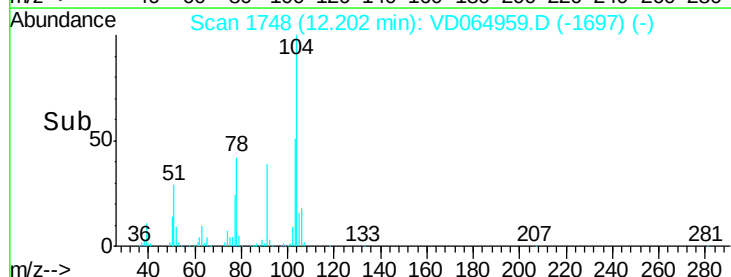
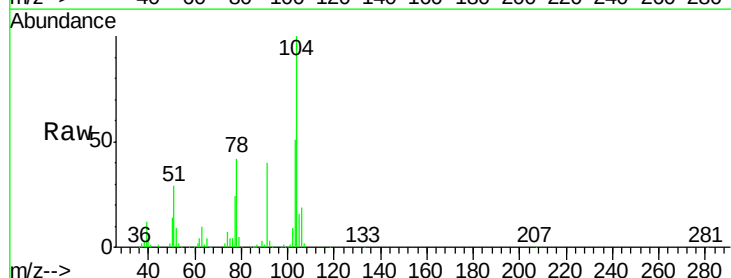
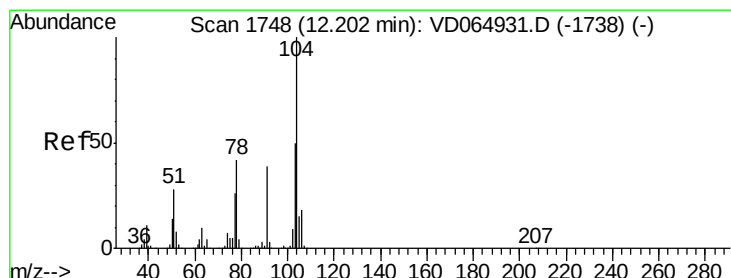
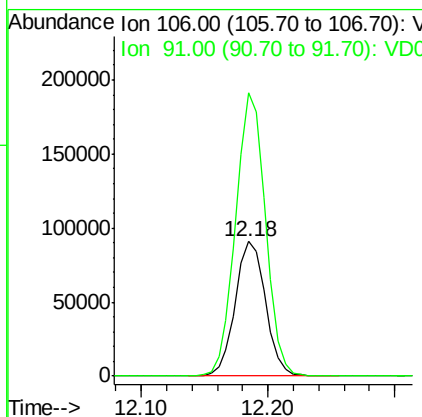
#69
o-Xylene
Concen: 20.201 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tot Ion:106 Resp: 150524
Ion Ratio Lower Upper
106 100
91 207.1 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

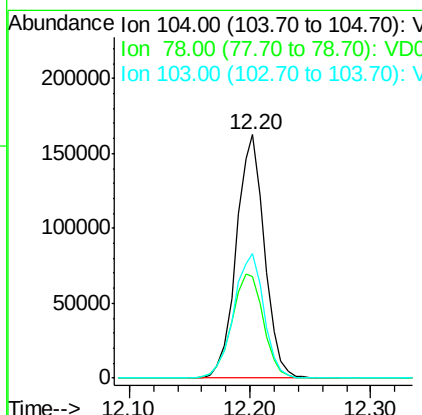
Manual Integrations
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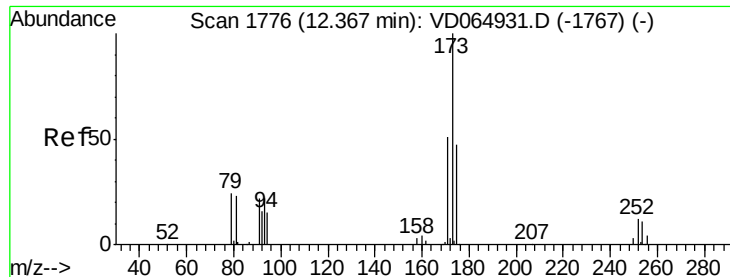
MMDadoda
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#70
Styrene
Concen: 19.813 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:104 Resp: 262993
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 55.2 43.5 65.3





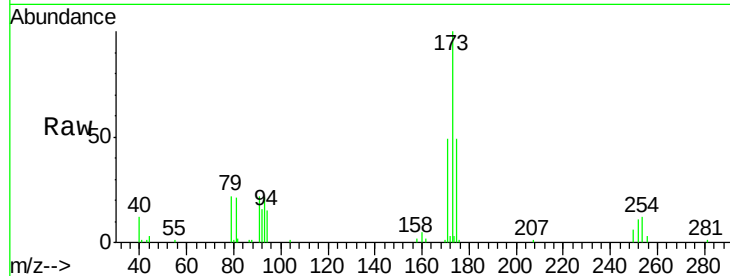
#71
Bromoform
Concen: 19.105 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

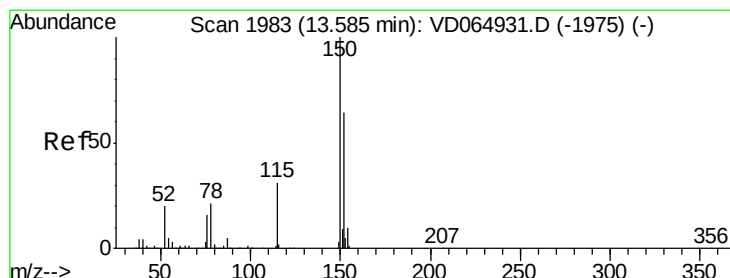
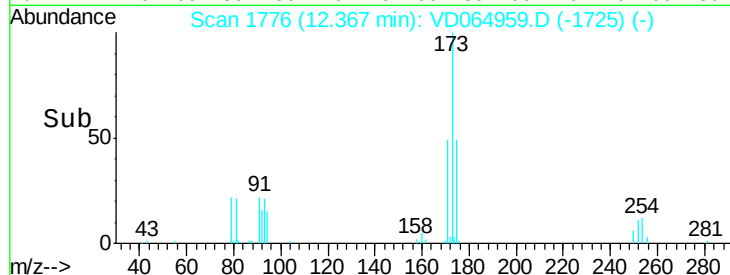
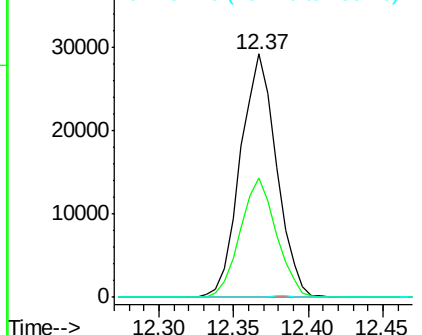
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.2	0.1	0.1#

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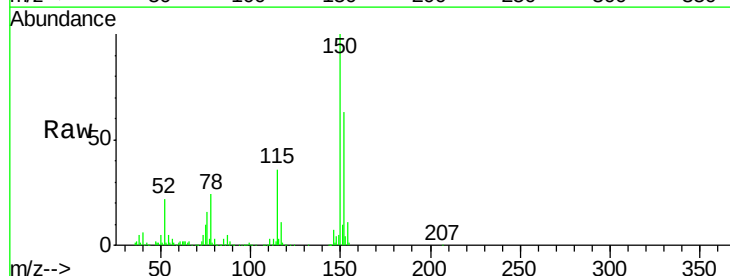


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

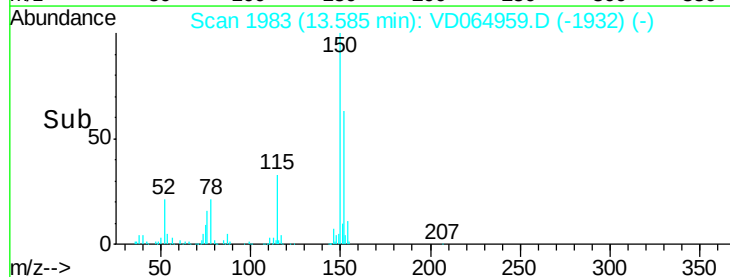
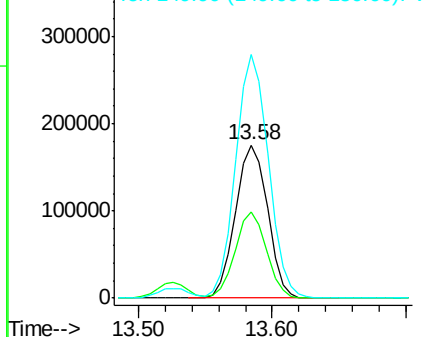


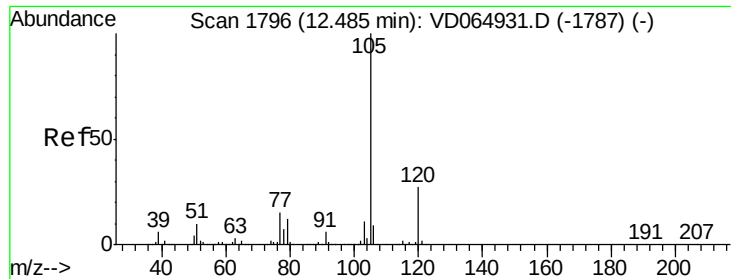
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.1	84.4
150	162.4	0.0	350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





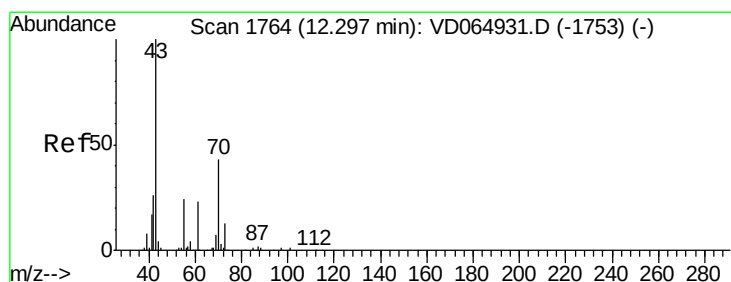
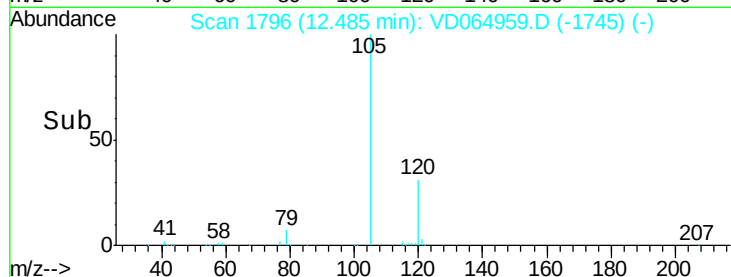
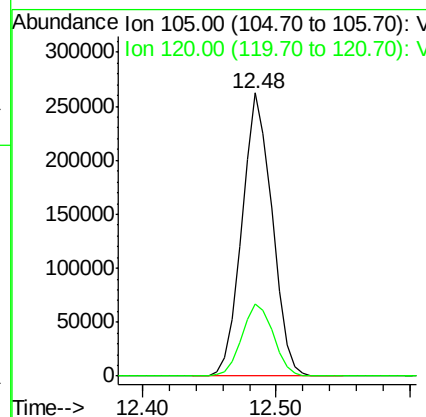
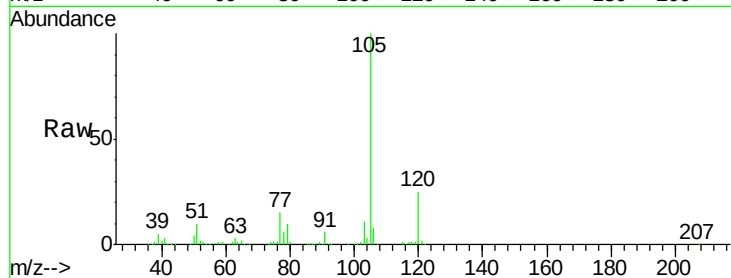
#73
Isopropylbenzene
Concen: 20.439 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

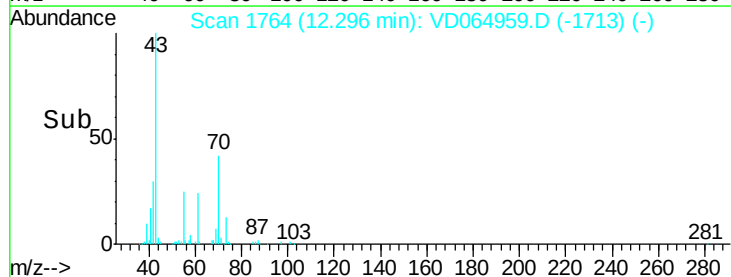
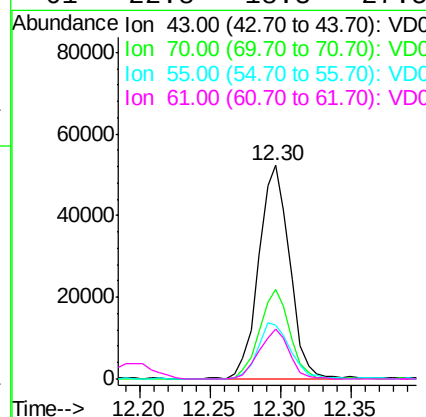
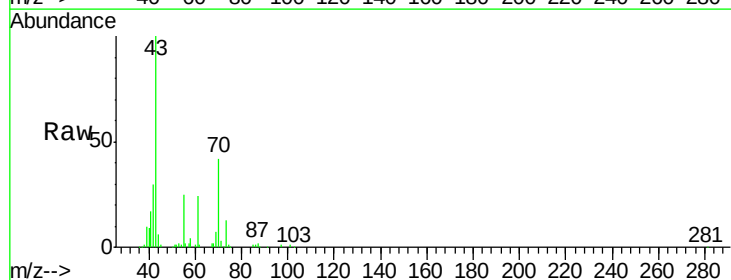
Manual Integrations
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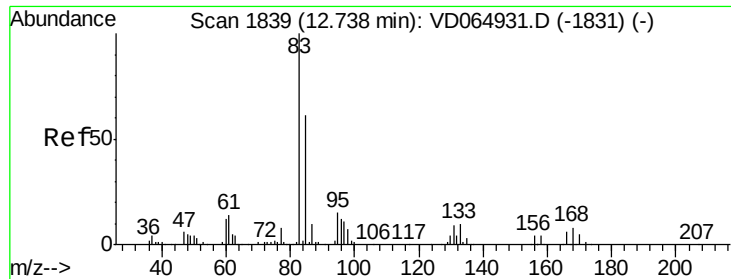
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#74
N-ethyl acetate
Concen: 18.040 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.6	49.0
55	27.6	19.9	29.9
61	22.8	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.472 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

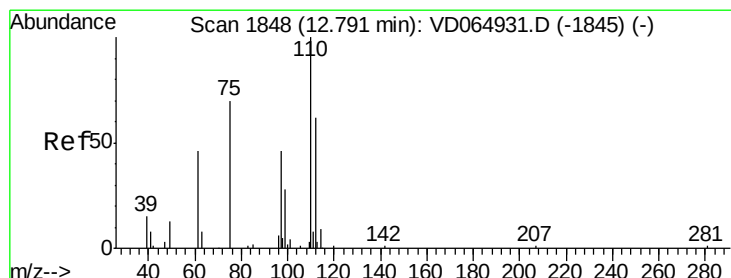
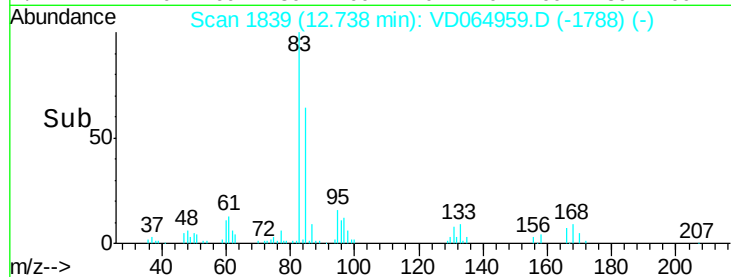
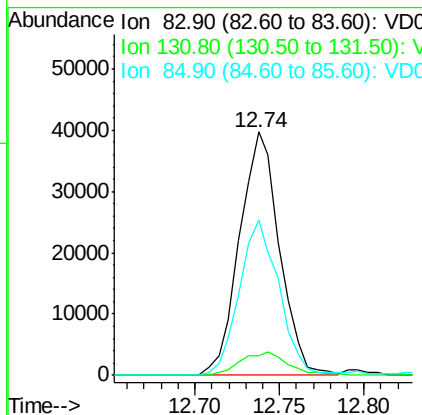
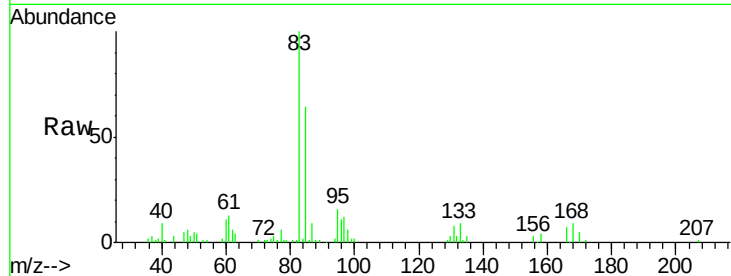
ClientSampleId :

VD0127SBS01

Tot Ion:	83	Resp:	65529
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.4	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.136 ug/l m

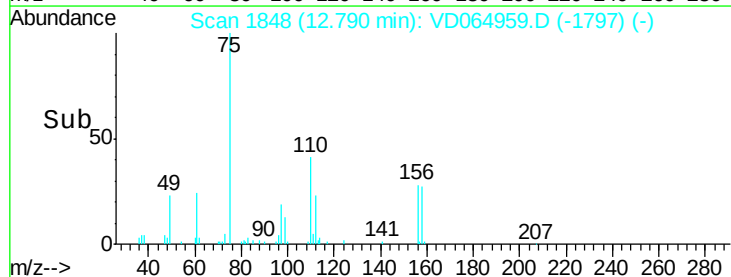
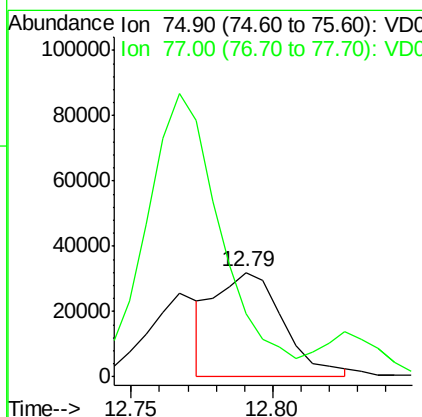
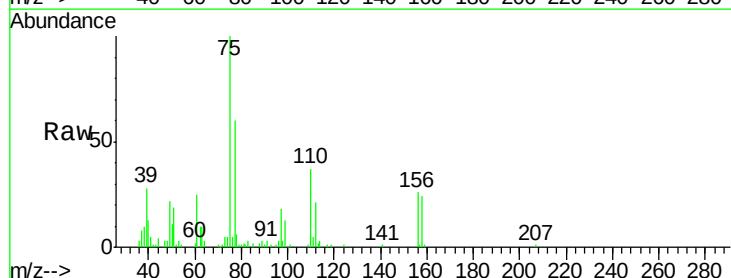
RT: 12.79 min Scan# 1848

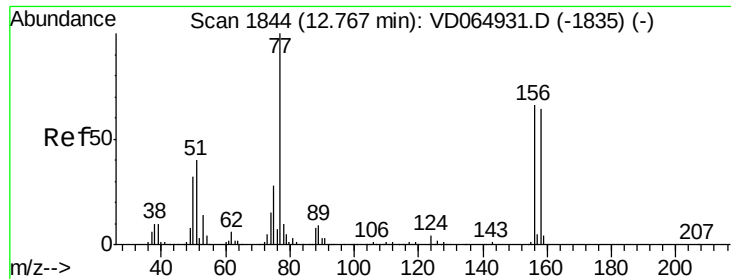
Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	75	Resp:	53825
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.238 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

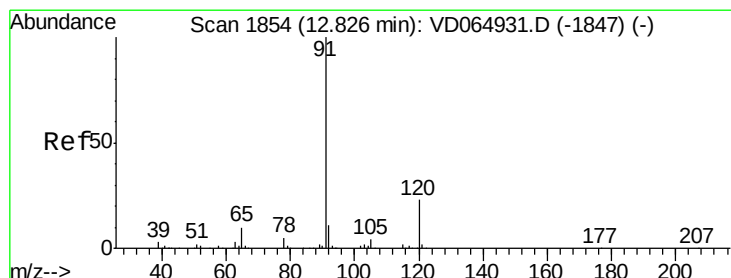
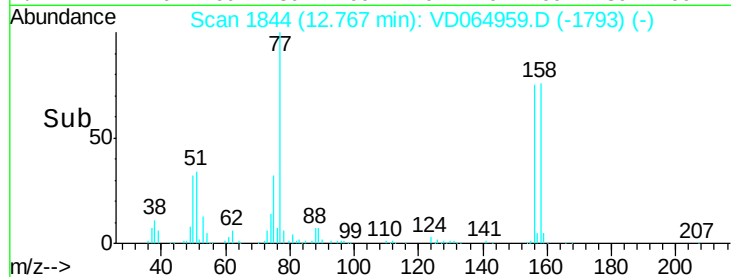
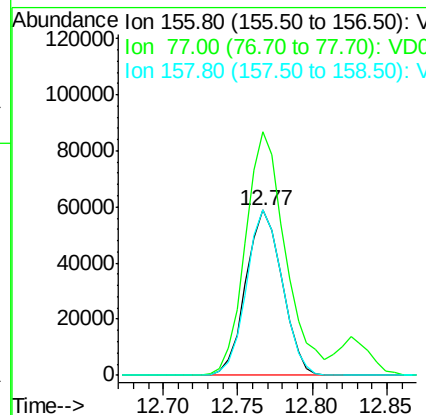
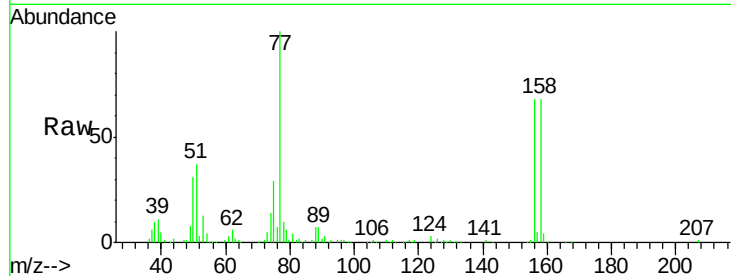
ClientSampleId :

VD0127SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.3	84.2	252.5
158	98.8	48.1	144.4

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#78

n-propylbenzene

Concen: 20.520 ug/l

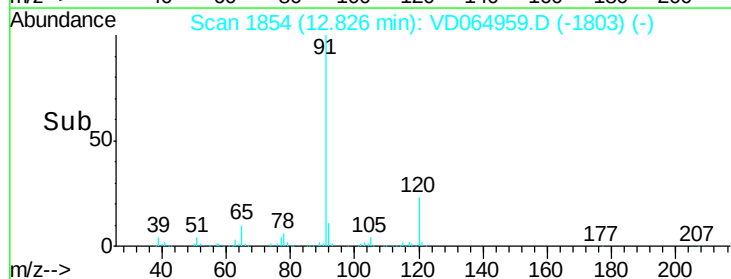
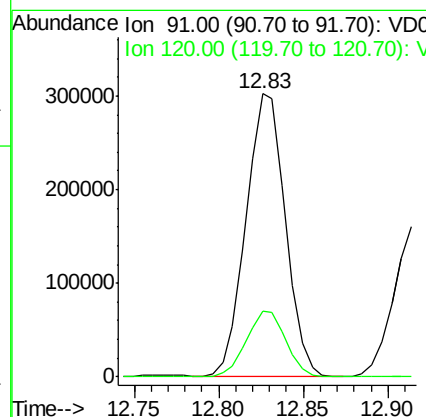
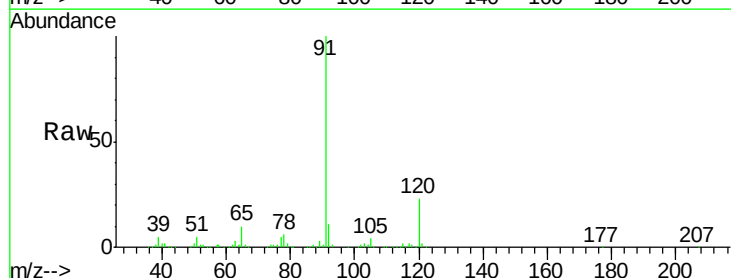
RT: 12.83 min Scan# 1854

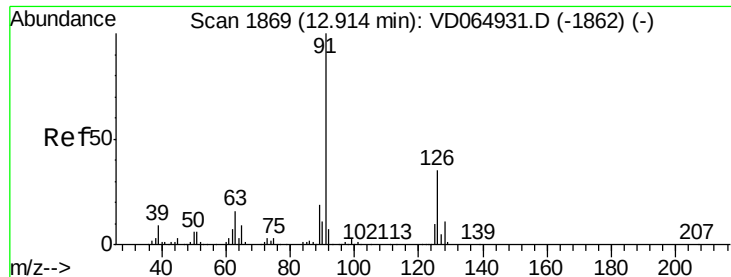
Delta R.T. -0.00 min

Lab File: VD064959.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.1





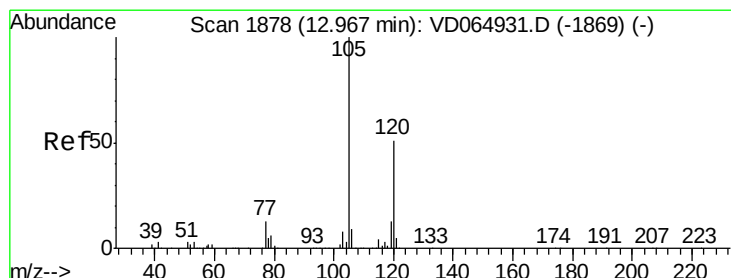
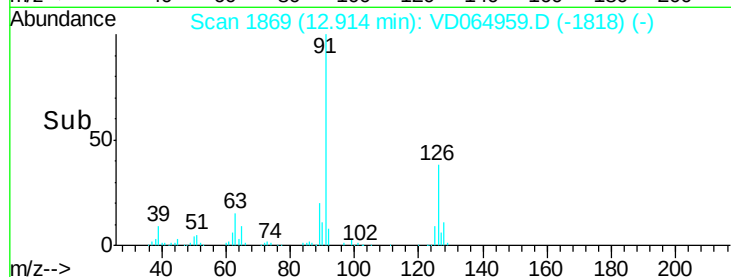
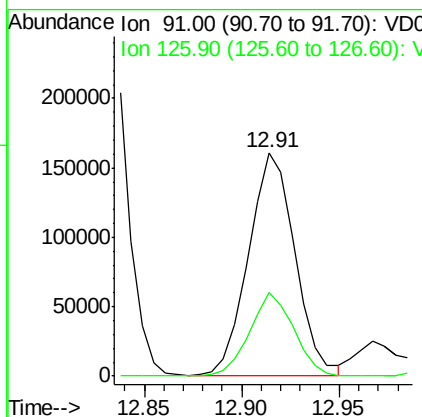
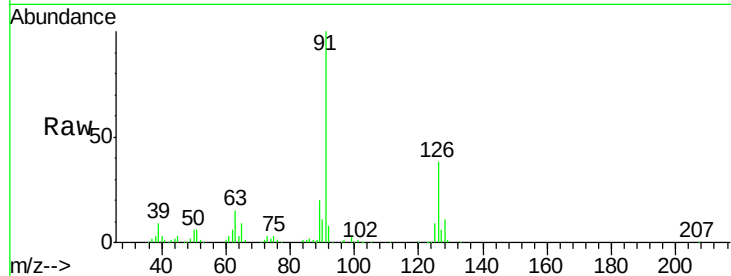
#79
 2-Chlorotoluene
 Concen: 20.265 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion: 91 Resp: 264728
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.8

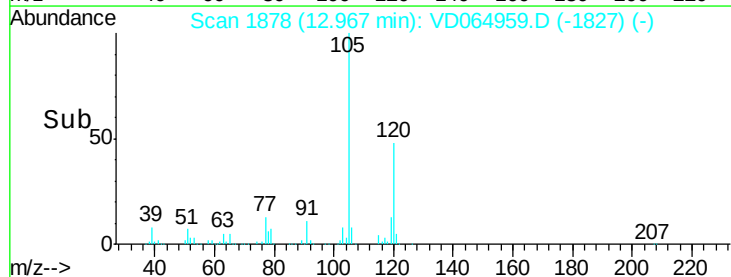
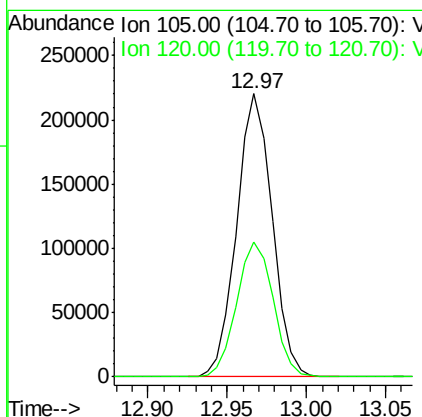
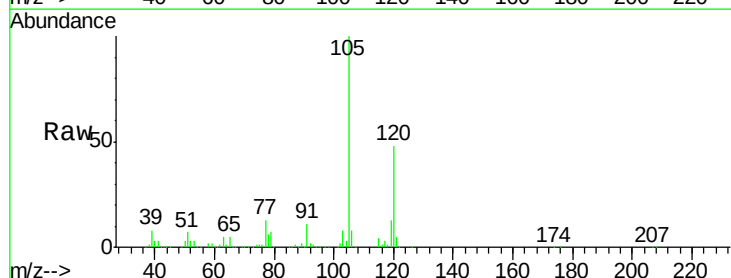
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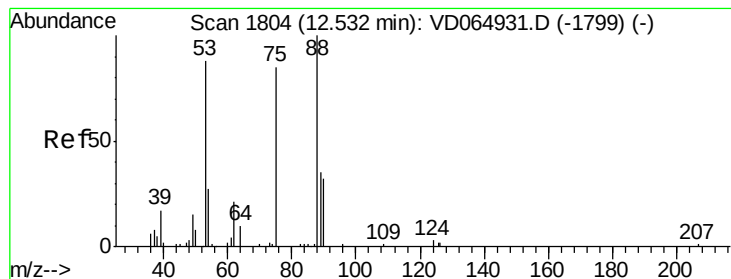
MMDadoda
 1/28/2020 3:40:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.831 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 105 Resp: 341816
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.953 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

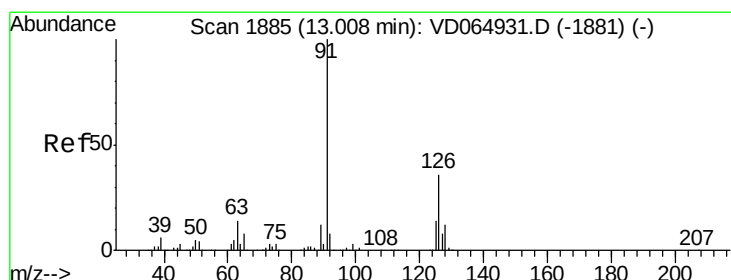
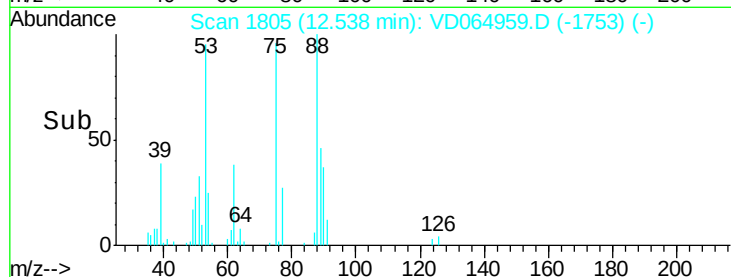
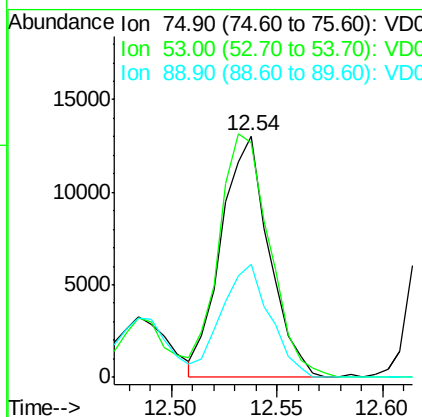
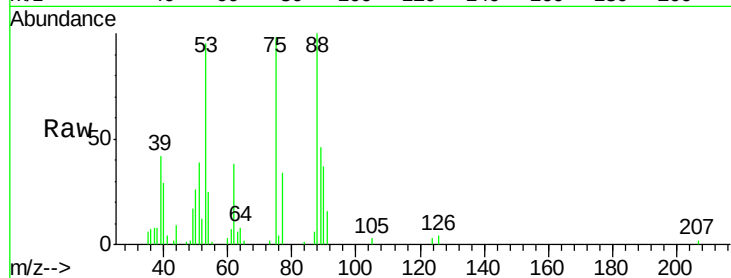
ClientSampleId :

VD0127SBS01

Tot Ion:	75	Resp:	20445
Ion Ratio	Lower	Upper	
75	100		
53	106.8	81.0	121.4
89	47.6	36.2	54.4

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#82

4-Chlorotoluene

Concen: 20.607 ug/l

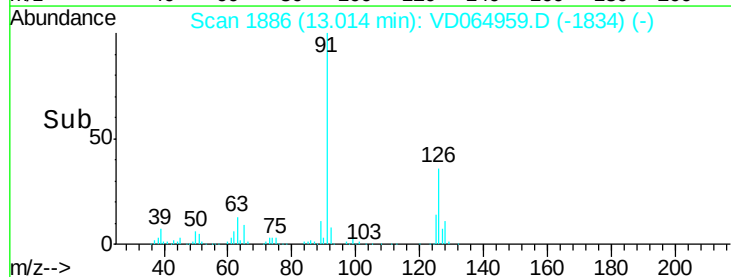
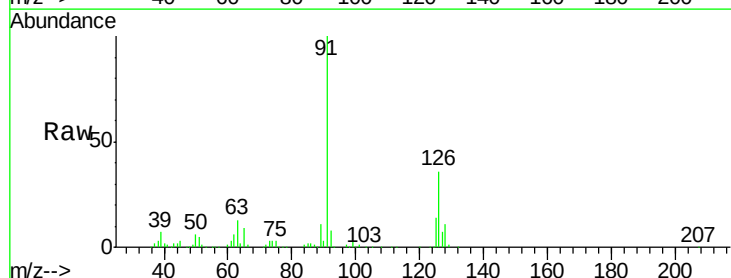
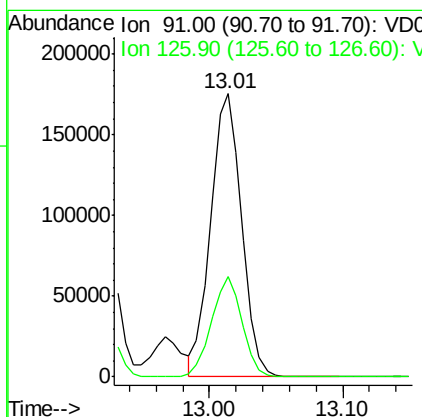
RT: 13.01 min Scan# 1886

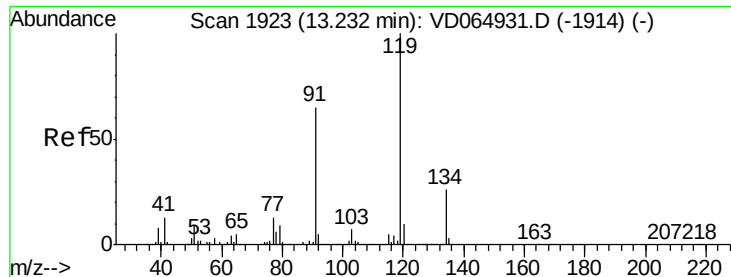
Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion:	91	Resp:	285482
Ion Ratio	Lower	Upper	
91	100		
126	34.9	18.0	54.0





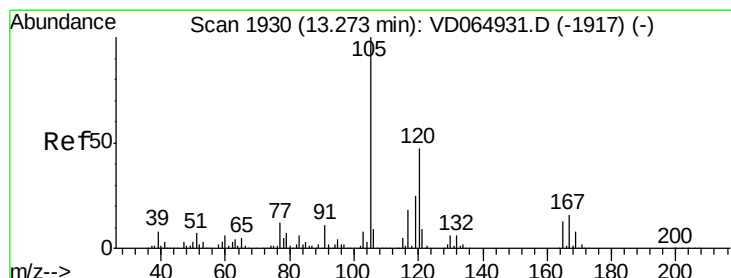
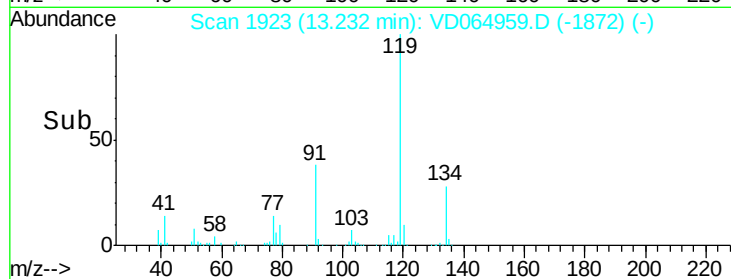
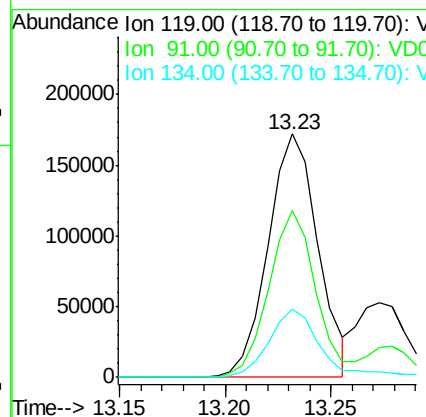
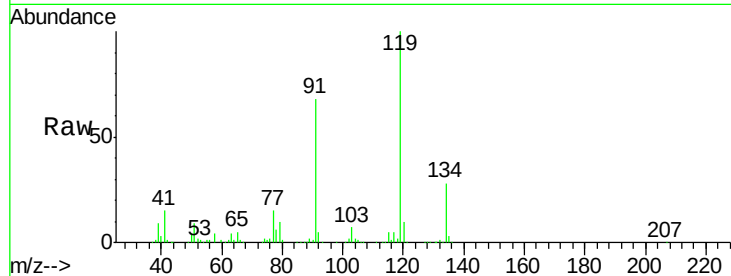
#83
 tert-Butylbenzene
 Concen: 20.265 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282183		
91	65.3	32.0	96.0	
134	29.0	13.9	41.6	

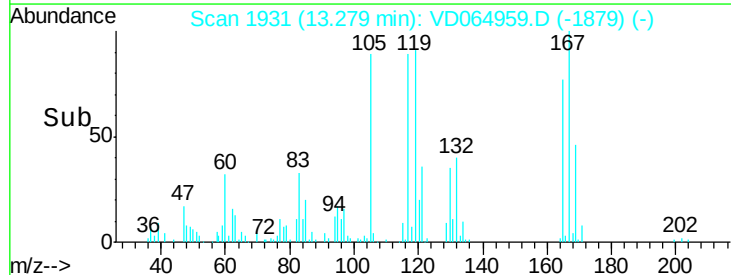
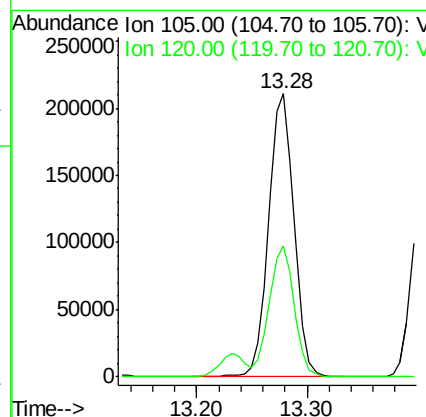
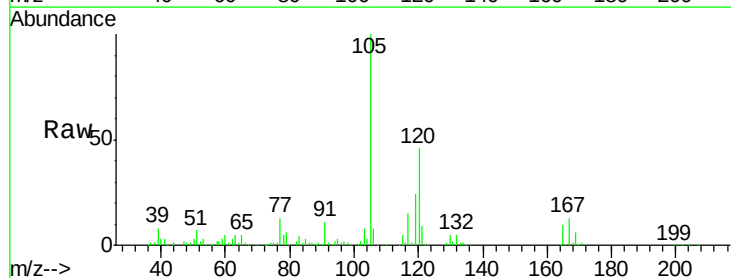
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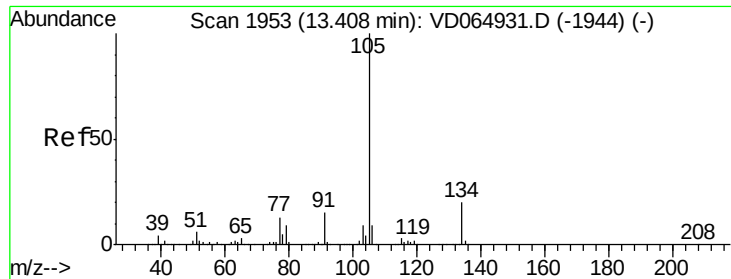
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.459 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340079		
120	45.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.205 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tot Ion:105 Resp: 398379

Ion Ratio Lower Upper

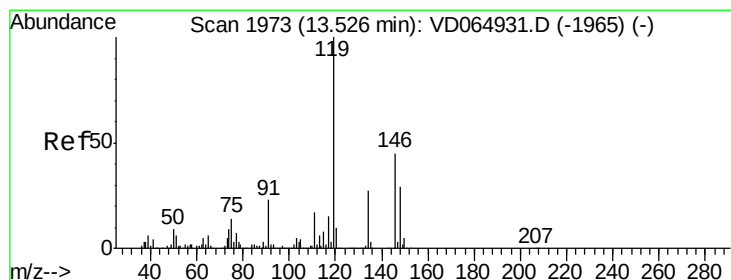
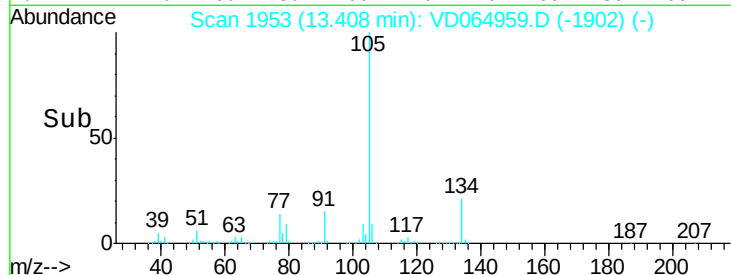
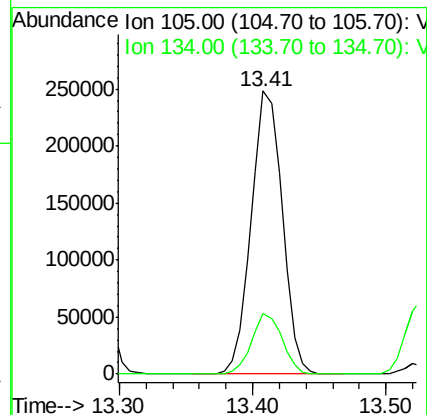
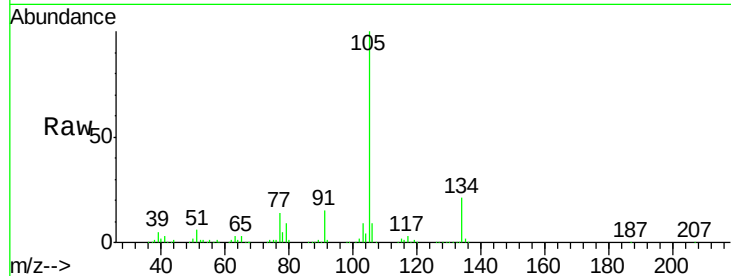
105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.727 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

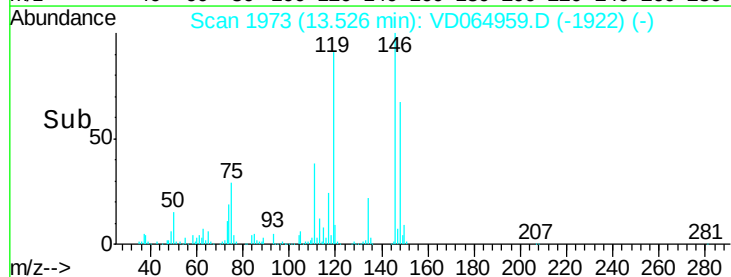
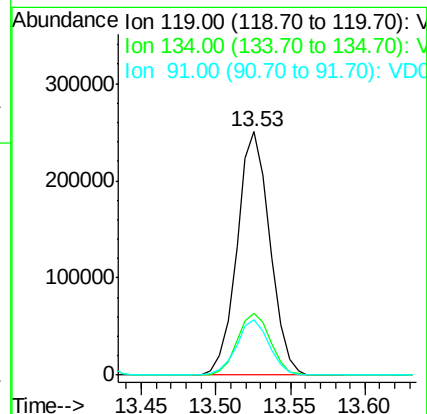
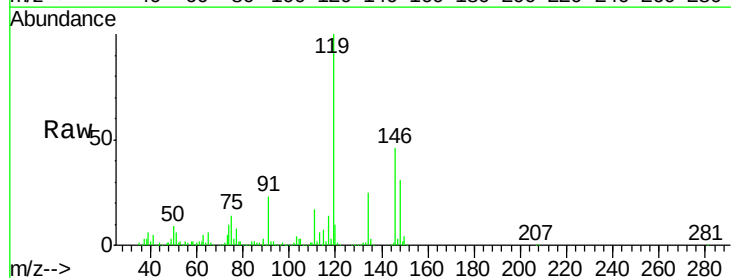
Tgt Ion:119 Resp: 382412

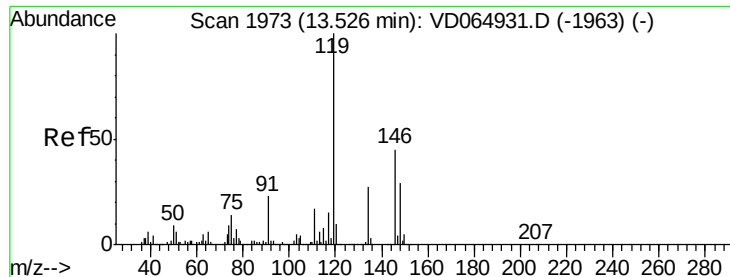
Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 22.6 11.4 34.2





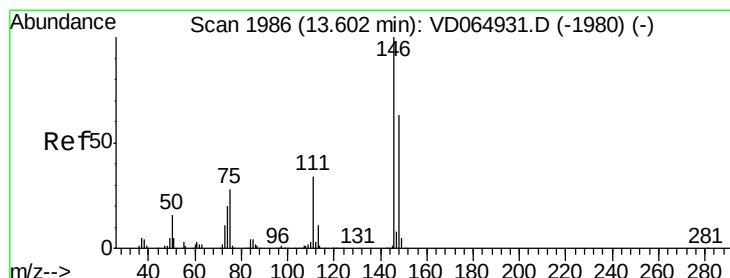
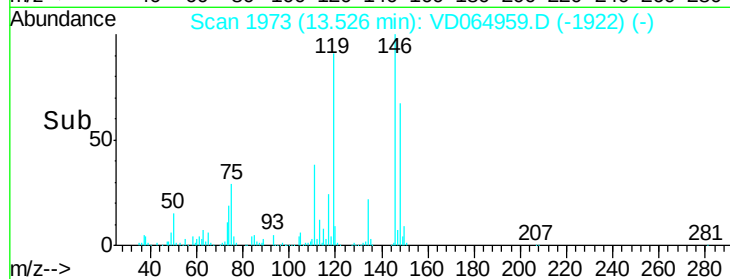
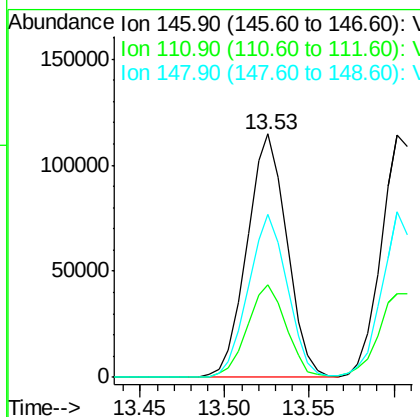
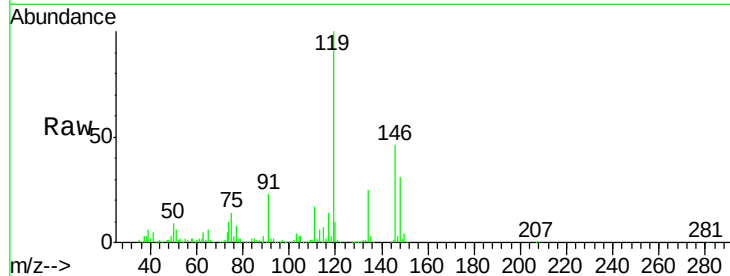
#87
 1,3-Dichlorobenzene
 Concen: 20.009 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188090		
111	37.2	18.9	56.9	
148	65.7	32.6	97.7	

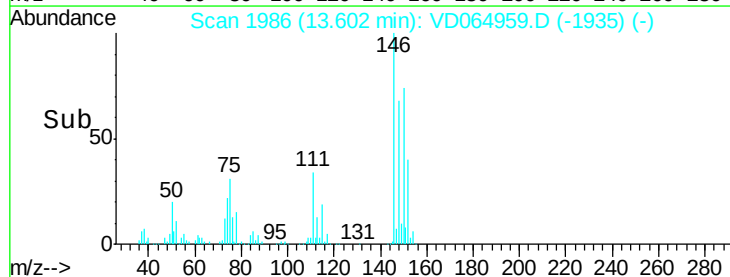
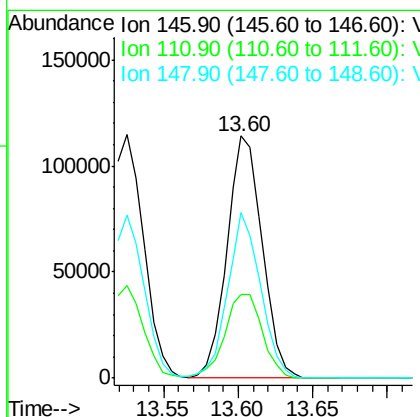
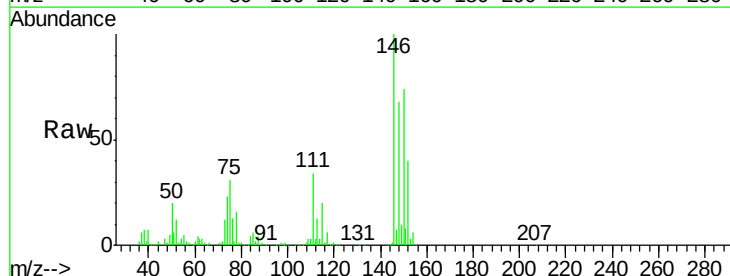
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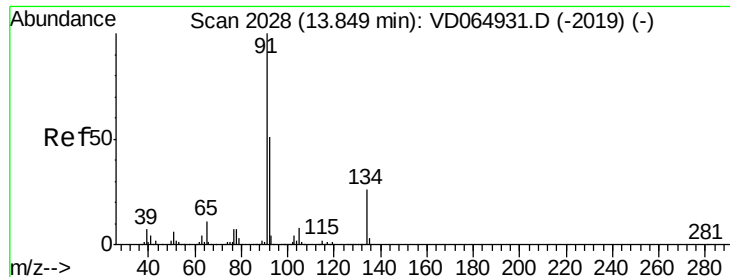
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#88
 1,4-Dichlorobenzene
 Concen: 20.163 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188118		
111	37.4	18.2	54.6	
148	64.1	32.0	96.0	





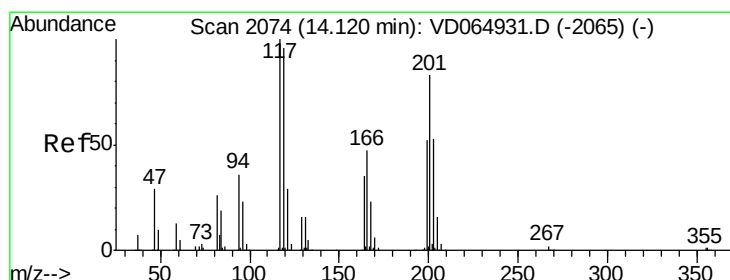
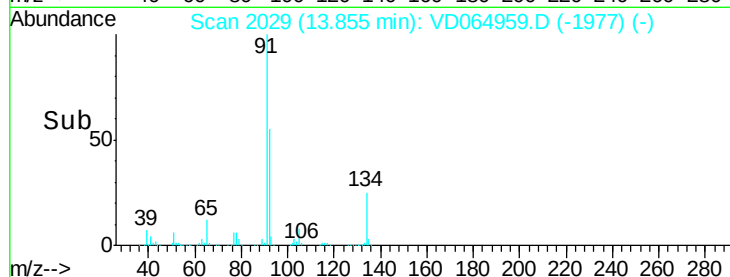
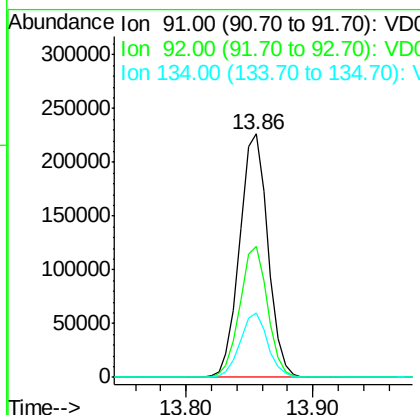
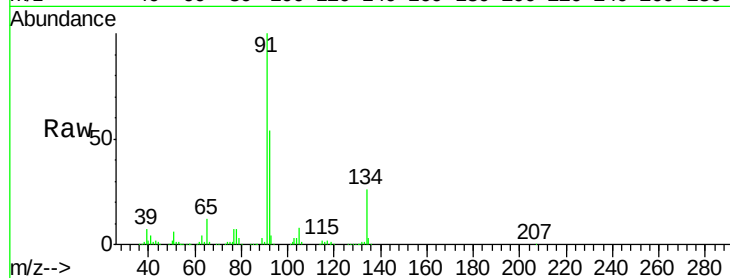
#89
n-Butylbenzene
Concen: 20.709 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	26.0	13.3	39.9

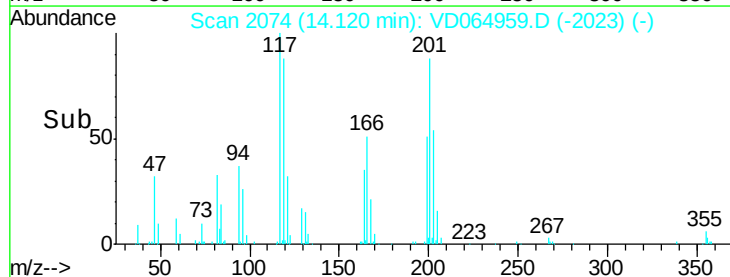
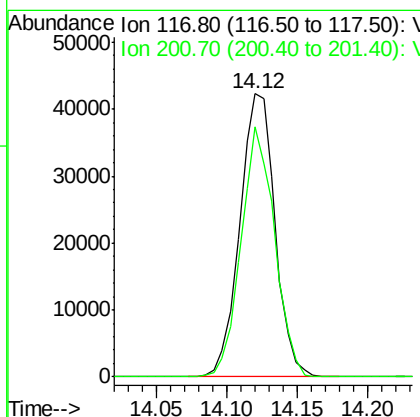
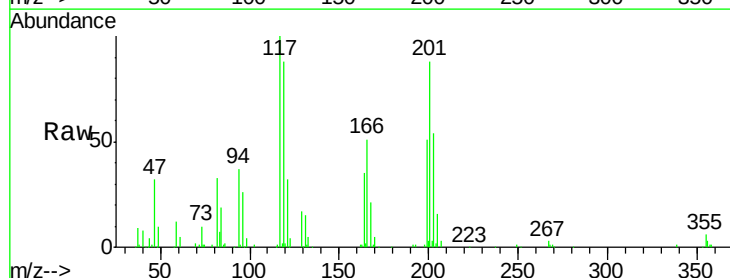
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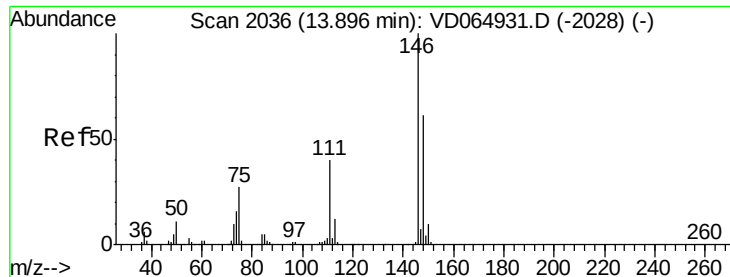
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#90
Hexachloroethane
Concen: 20.688 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.1	123.3





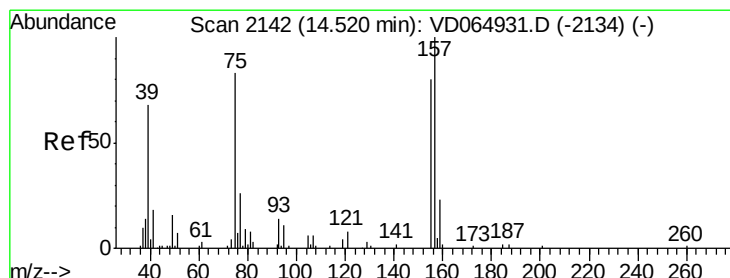
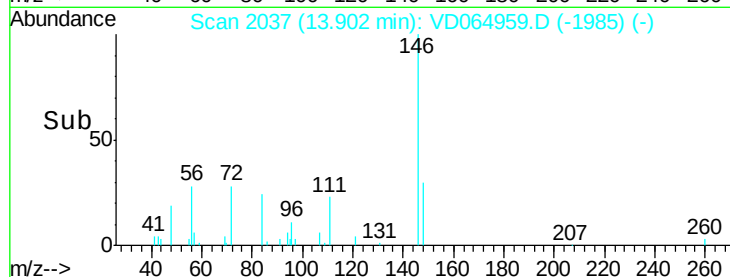
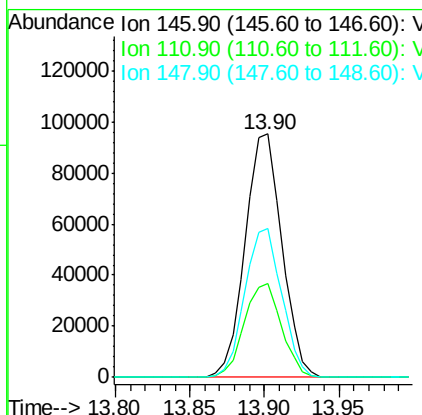
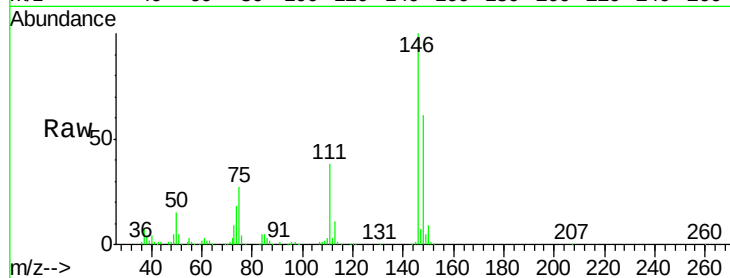
#91
 1,2-Dichlorobenzene
 Concen: 20.332 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	61.3	31.6	95.0

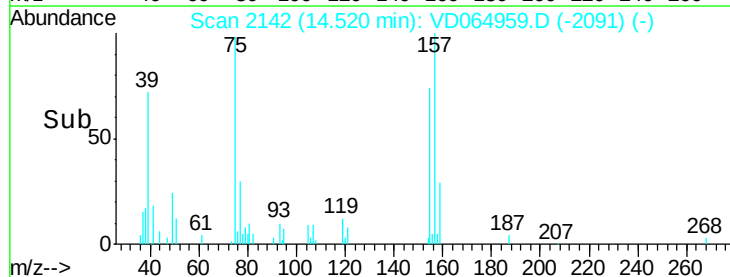
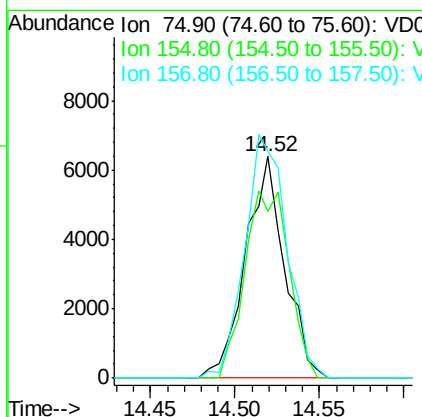
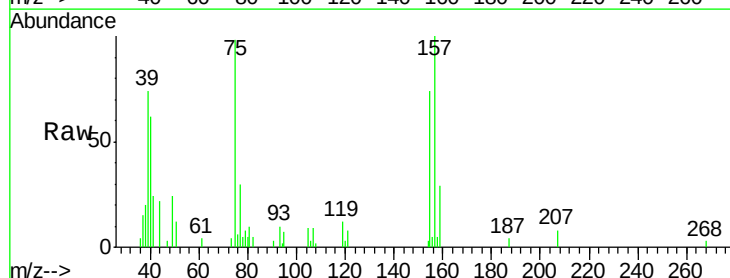
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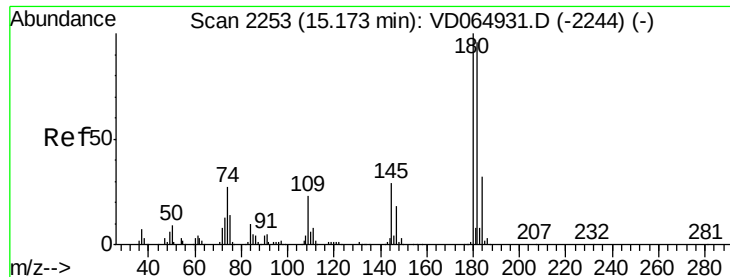
MMDadoda
 1/28/2020 3:40:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.183 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	44.9	134.7
157	118.1	58.9	176.6





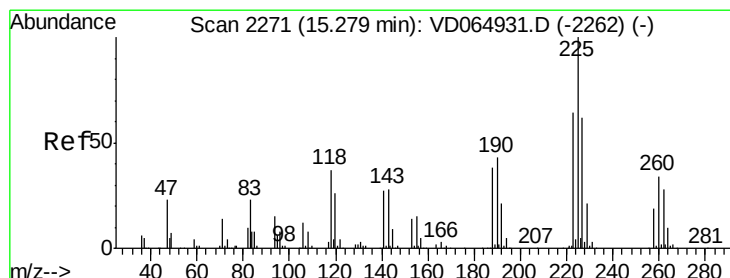
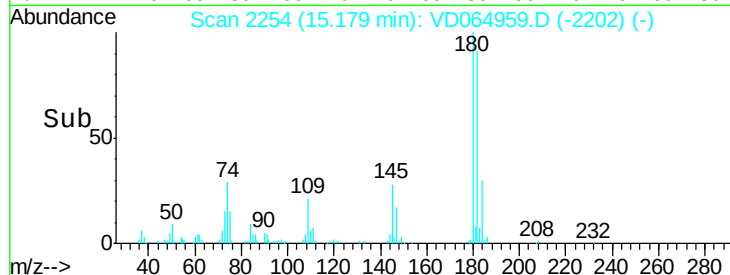
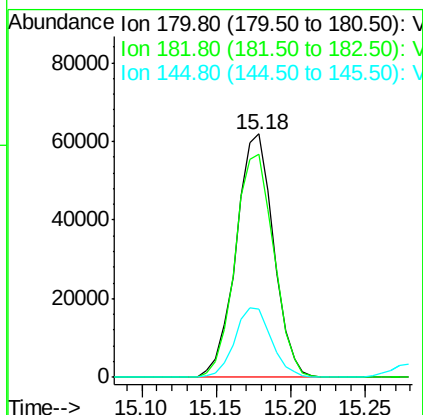
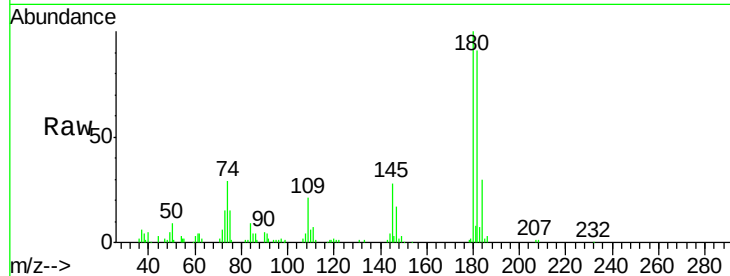
#93
 1,2,4-Trichlorobenzene
 Concen: 19.496 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107637		
182	94.5	47.1	141.4	
145	28.1	14.1	42.3	

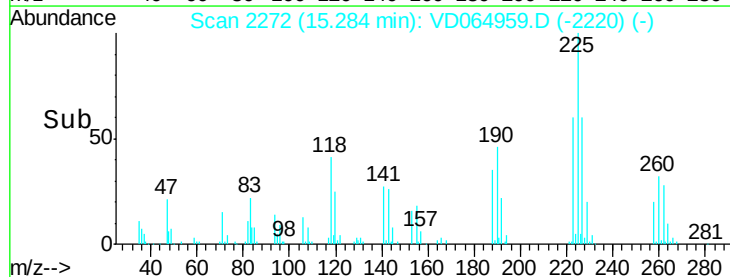
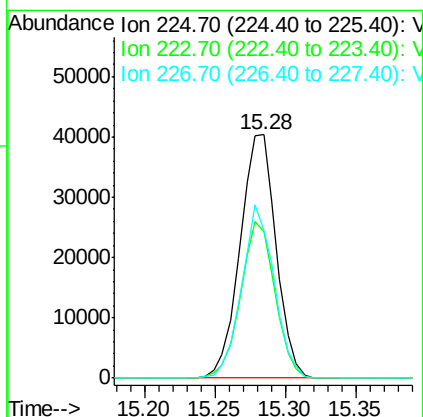
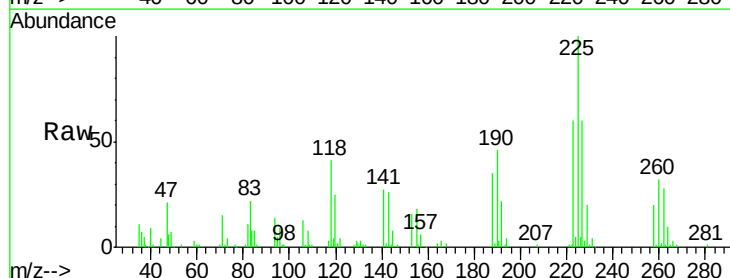
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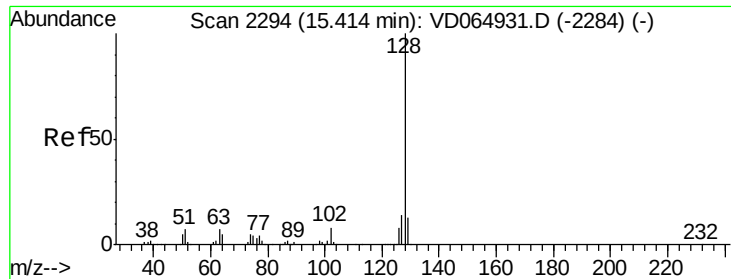
MMDadoda
 1/28/2020 3:40:02 PM



#94
 Hexachlorobutadiene
 Concen: 20.609 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71967		
223	61.2	32.4	97.2	
227	64.2	31.9	95.9	





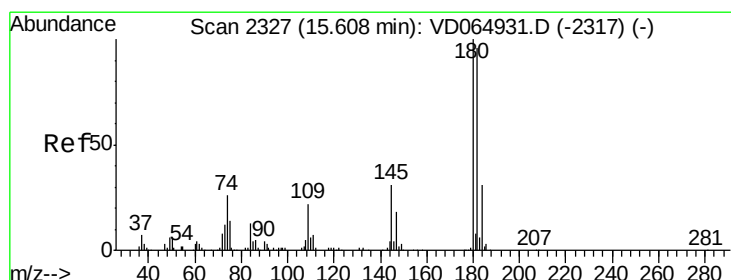
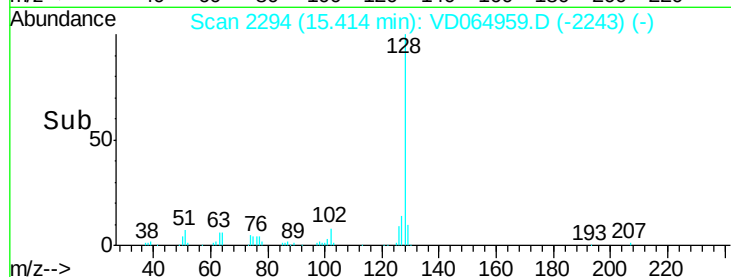
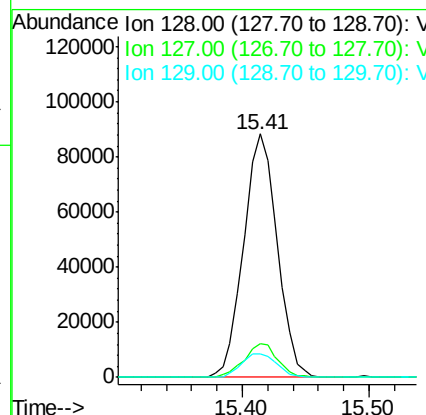
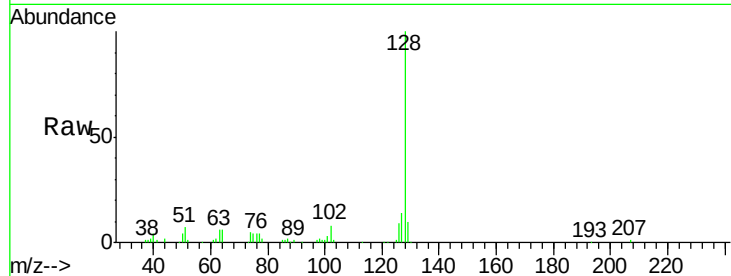
#95
Naphthalene
Concen: 18.234 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.2	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/28/2020 3:40:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.197 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	30.7	14.6	43.8

