

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064976.D
 Acq On : 28 Jan 2020 13:56
 Operator : VA/SY
 Sample : VD0128SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:55:59 PM

Quant Time: Jan 29 02:29:45 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	451325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	583950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223380	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.92	113	217657	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	841115	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.64	95	260386	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	70203	20.647 ug/l	98
3) Chloromethane	2.21	50	102769	20.623 ug/l	96
4) Vinyl Chloride	2.35	62	119723	20.918 ug/l	97
5) Bromomethane	2.76	94	81665	21.211 ug/l	96
6) Chloroethane	2.92	64	77139	20.443 ug/l	98
7) Trichlorofluoromethane	3.27	101	187419	21.203 ug/l	95
8) Diethyl Ether	3.70	74	42376	21.236 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89698	21.811 ug/l	98
10) Methyl Iodide	4.29	142	89384	20.476 ug/l	100
11) Tert butyl alcohol	5.26	59	23629	98.770 ug/l #	92
12) 1,1-Dichloroethene	4.06	96	82481	20.995 ug/l	93
13) Acrolein	3.93	56	26216	87.414 ug/l	97
14) Allyl chloride	4.71	41	130727	20.863 ug/l	100
15) Acrylonitrile	5.44	53	90159	104.337 ug/l	98
16) Acetone	4.16	43	94253	91.199 ug/l	94
17) Carbon Disulfide	4.40	76	273260	21.134 ug/l	99
18) Methyl Acetate	4.72	43	45648	22.514 ug/l	99
19) Methyl tert-butyl Ether	5.49	73	181248	20.647 ug/l	98
20) Methylene Chloride	4.97	84	104278	21.068 ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	94401	20.856 ug/l	98
22) Diisopropyl ether	6.37	45	266377	21.332 ug/l	97
23) Vinyl Acetate	6.31	43	743216	101.654 ug/l	100
24) 1,1-Dichloroethane	6.27	63	164622	21.471 ug/l	97
25) 2-Butanone	7.23	43	121049	103.497 ug/l	98
26) 2,2-Dichloropropane	7.21	77	148815	21.399 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103045	21.329 ug/l	96
28) Bromochloromethane	7.55	49	53141	17.331 ug/l	97
29) Tetrahydrofuran	7.58	42	73617	102.014 ug/l	99
30) Chloroform	7.71	83	172557	21.772 ug/l	99
31) Cyclohexane	7.98	56	155560	20.625 ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	156184	21.183 ug/l	99
36) 1,1-Dichloropropene	8.11	75	137624	21.655 ug/l	99
37) Ethyl Acetate	7.30	43	49881	19.001 ug/l	95
38) Carbon Tetrachloride	8.10	117	142796	21.258 ug/l	97

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Manual Integrations
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 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)
39) Methylcyclohexane	9.36	83	156514	21.064	ug/l	99
40) Benzene	8.36	78	368371	21.045	ug/l	99
41) Methacrylonitrile	7.53	41	25078	17.733	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	111074	21.303	ug/l	98
43) Isopropyl Acetate	8.46	43	102412	20.538	ug/l	98
44) Trichloroethene	9.12	130	106079	21.654	ug/l	94
45) 1,2-Dichloropropane	9.39	63	89667	21.131	ug/l	99
46) Dibromomethane	9.48	93	48665	21.007	ug/l	100
47) Bromodichloromethane	9.67	83	128456	21.309	ug/l	99
48) Methyl methacrylate	9.46	41	47104	20.527	ug/l	95
49) 1,4-Dioxane	9.47	88	11025	410.335	ug/l	90
51) 4-Methyl-2-Pentanone	10.24	43	259692	104.081	ug/l	99
52) Toluene	10.41	92	239465	21.220	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	121735	21.200	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	143167	21.295	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	64946	20.812	ug/l	96
56) Ethyl methacrylate	10.67	69	76684	20.550	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114132	21.324	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	125434	101.178	ug/l	99
59) 2-Hexanone	10.99	43	177298	103.017	ug/l	98
60) Dibromochloromethane	11.14	129	87689	21.025	ug/l	99
61) 1,2-Dibromoethane	11.25	107	62294	20.732	ug/l	99
64) Tetrachloroethene	10.88	164	91614	21.711	ug/l	91
65) Chlorobenzene	11.68	112	251617	21.222	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	95014	21.309	ug/l	99
67) Ethyl Benzene	11.75	91	454561	21.595	ug/l	97
68) m/p-Xylenes	11.86	106	349125	43.079	ug/l	99
69) o-Xylene	12.18	106	152950	21.265	ug/l	98
70) Styrene	12.20	104	273477	21.344	ug/l	99
71) Bromoform	12.37	173	53109	21.426	ug/l #	99
73) Isopropylbenzene	12.48	105	422623	21.546	ug/l	100
74) N-amyl acetate	12.30	43	90422	20.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70580	21.410	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	39838m	16.725	ug/l	
77) Bromobenzene	12.77	156	104384	21.750	ug/l	98
78) n-propylbenzene	12.83	91	505151	21.656	ug/l	100
79) 2-Chlorotoluene	12.91	91	283532	22.157	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	351377	21.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23002	20.620	ug/l	97
82) 4-Chlorotoluene	13.01	91	297022	21.887	ug/l	99
83) tert-Butylbenzene	13.23	119	284026	20.822	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	347577	21.346	ug/l	99
85) sec-Butylbenzene	13.41	105	415231	21.499	ug/l	99
86) p-Isopropyltoluene	13.53	119	386124	21.364	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	196727	21.364	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	196613	21.513	ug/l	99
89) n-Butylbenzene	13.86	91	358298	21.723	ug/l	99
90) Hexachloroethane	14.12	117	75042	21.531	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	168669	21.576	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10924	20.706	ug/l	91

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ClientSampleId :
VD0128SBSD01

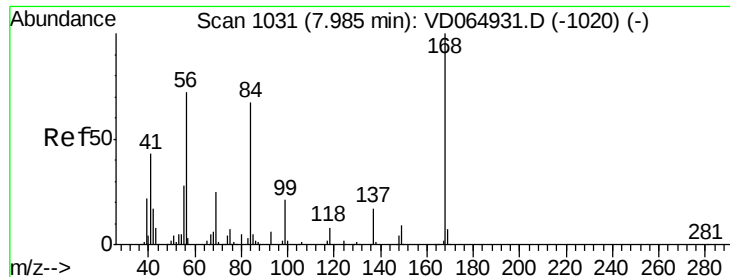
Manual Integrations
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1/29/2020 12:55:59 PM

Quant Time: Jan 29 02:29:45 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)
93) 1,2,4-Trichlorobenzene	15.18	180	116910	21.617	ug/l	99
94) Hexachlorobutadiene	15.28	225	74046	21.645	ug/l	98
95) Naphthalene	15.41	128	182906	20.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	103128	21.992	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBSD01

Tot Ion:168 Resp: 451325

Ion Ratio Lower Upper

168 100

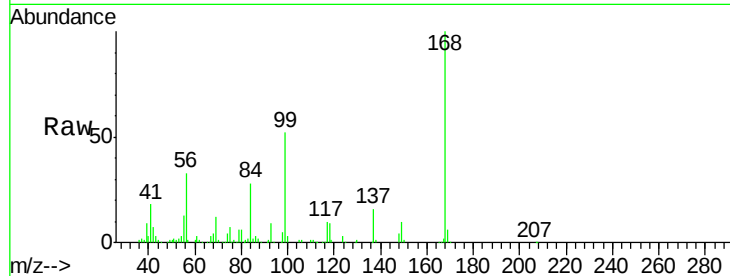
99 51.8 43.3 64.9

Manual Integrations

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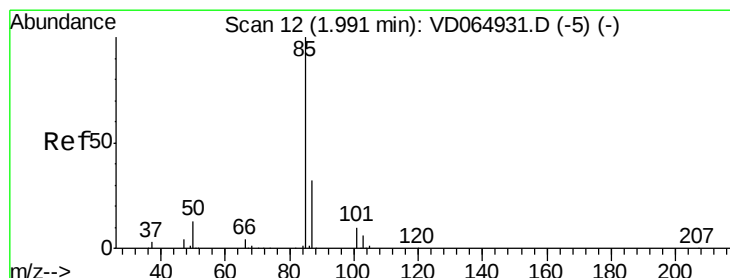
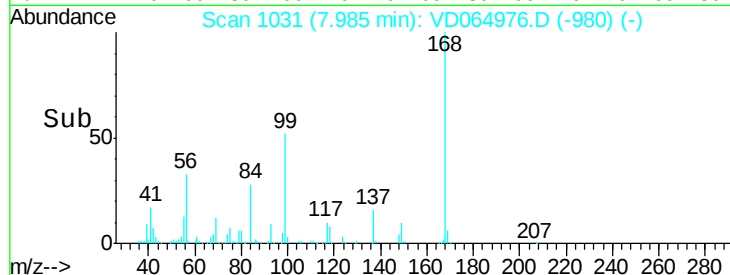
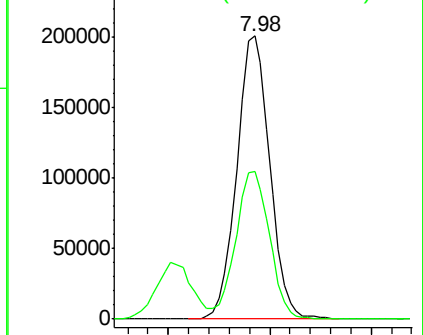
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.647 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064976.D

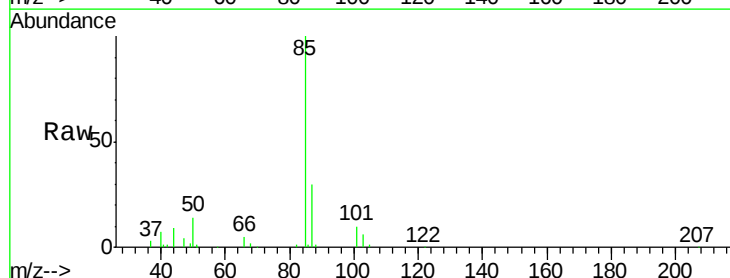
Acq: 28 Jan 2020 13:56

Tgt Ion: 85 Resp: 70203

Ion Ratio Lower Upper

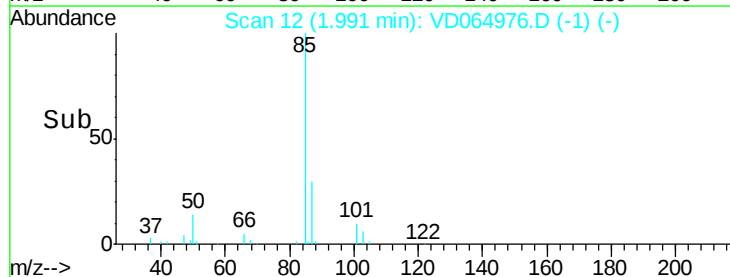
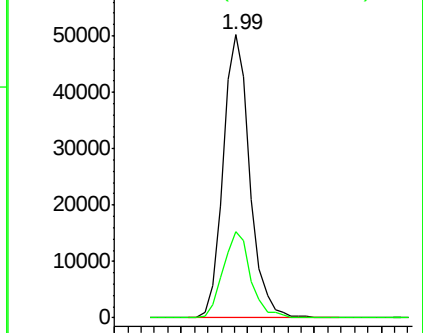
85 100

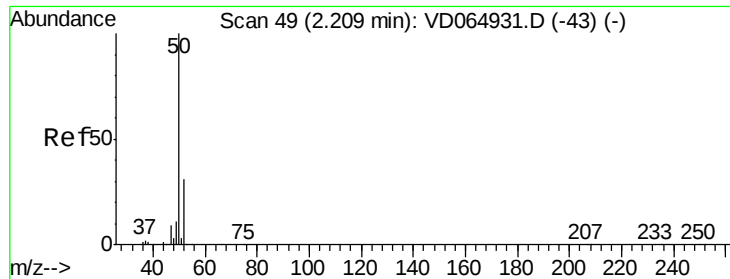
87 30.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 50 Resp: 102769

Ion Ratio Lower Upper

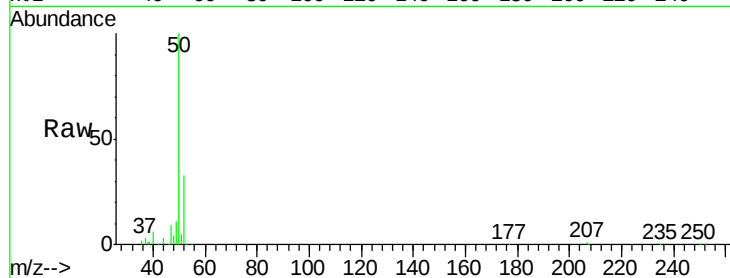
50 100

52 33.0 24.6 36.8

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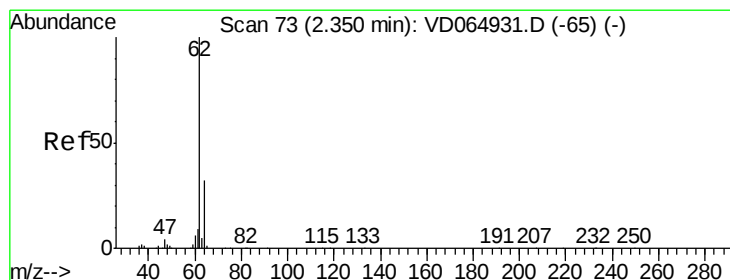
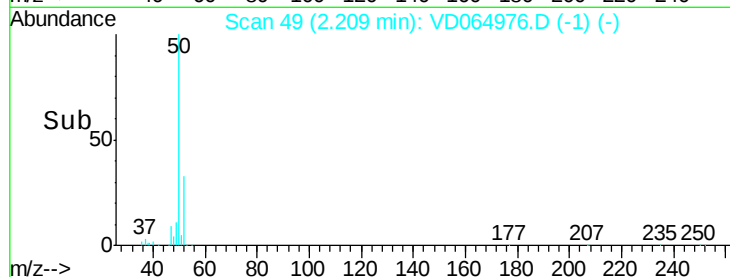
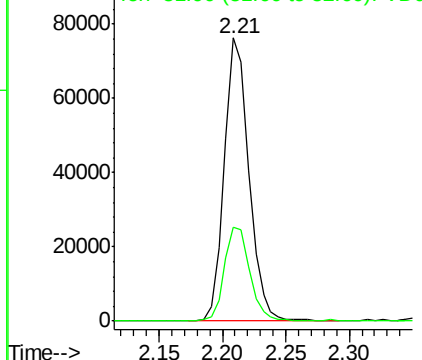
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.918 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064976.D

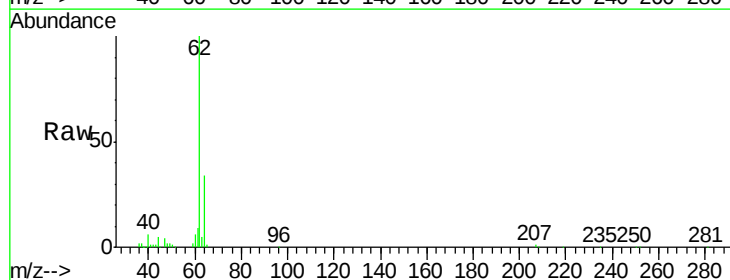
Acq: 28 Jan 2020 13:56

Tgt Ion: 62 Resp: 119723

Ion Ratio Lower Upper

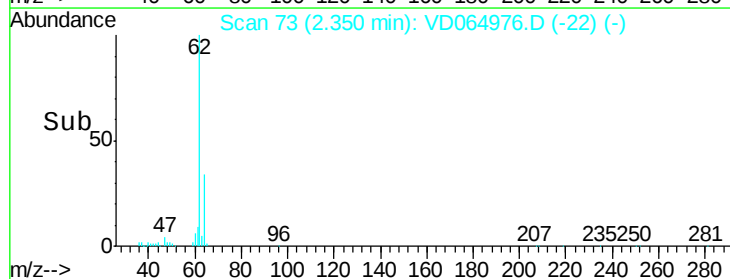
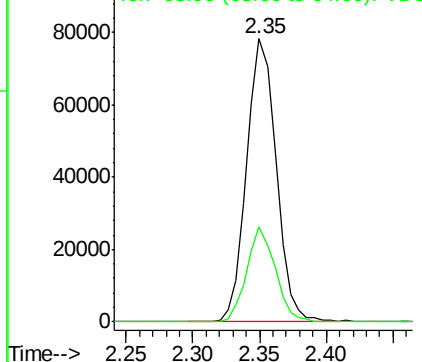
62 100

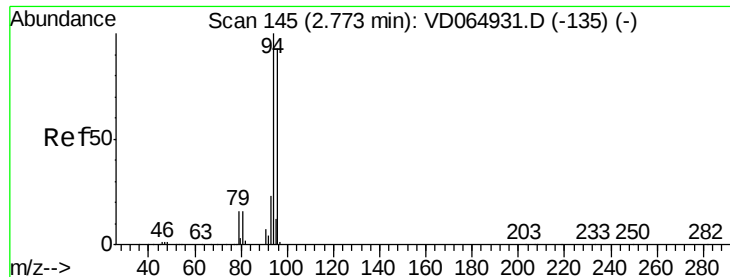
64 33.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.211 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 94 Resp: 81665

Ion Ratio Lower Upper

94 100

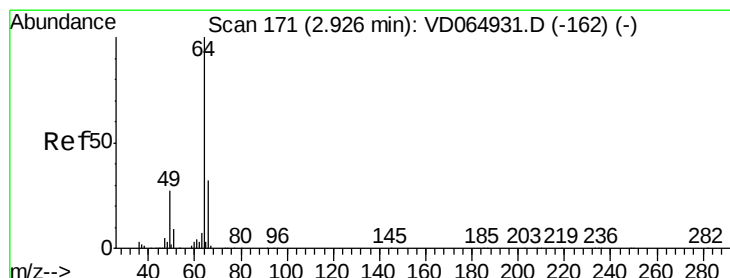
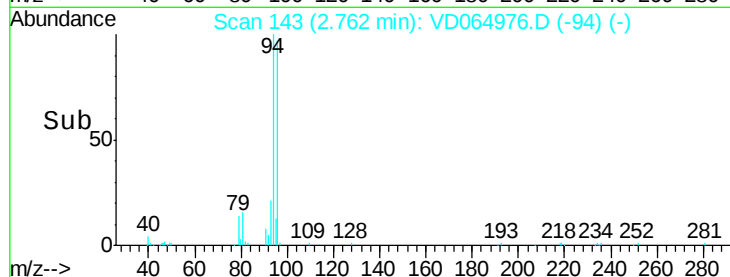
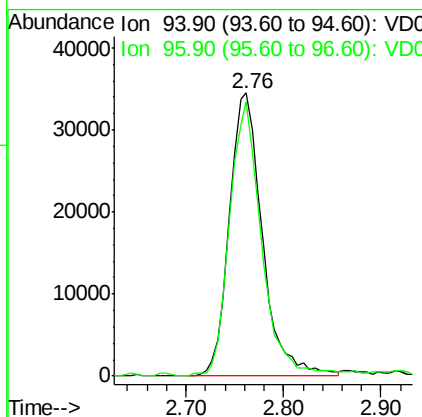
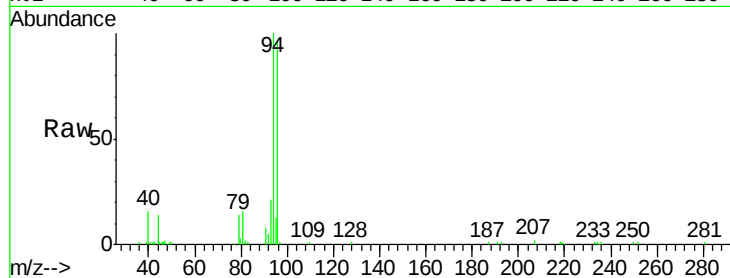
96 97.0 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 20.443 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064976.D

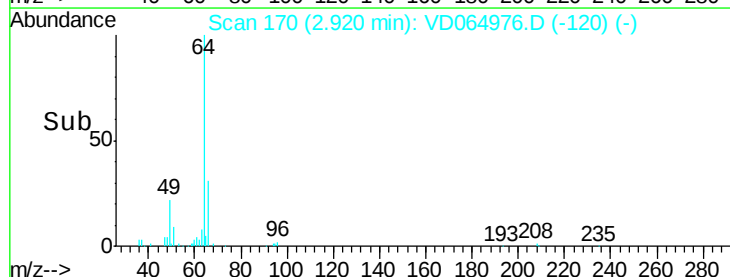
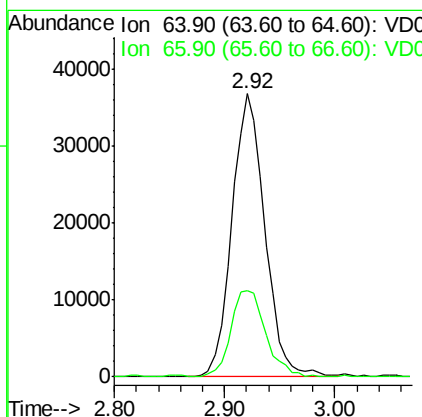
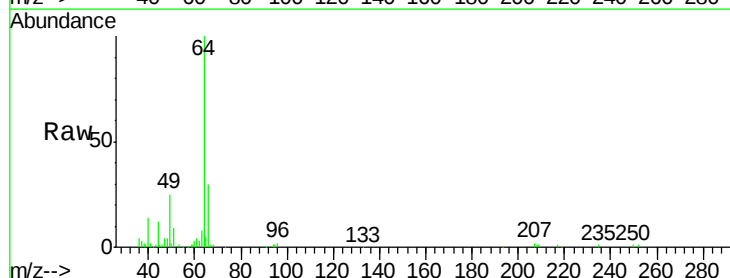
Acq: 28 Jan 2020 13:56

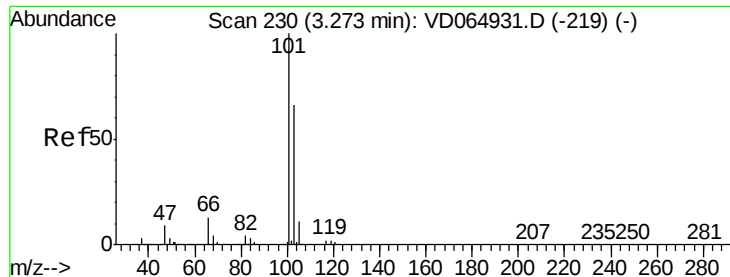
Tgt Ion: 64 Resp: 77139

Ion Ratio Lower Upper

64 100

66 30.4 25.3 37.9





#7

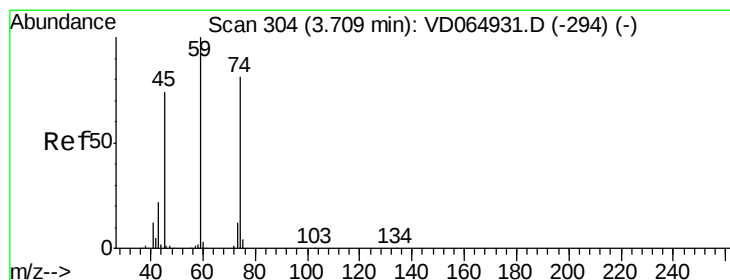
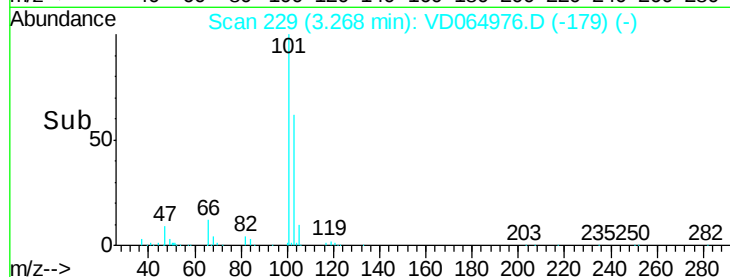
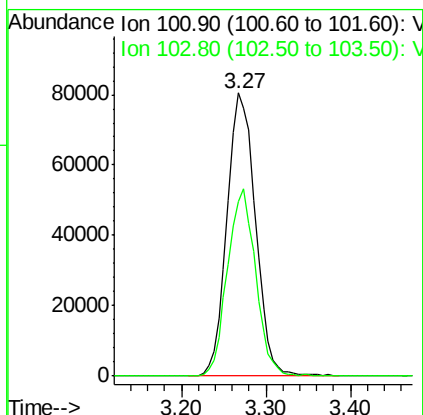
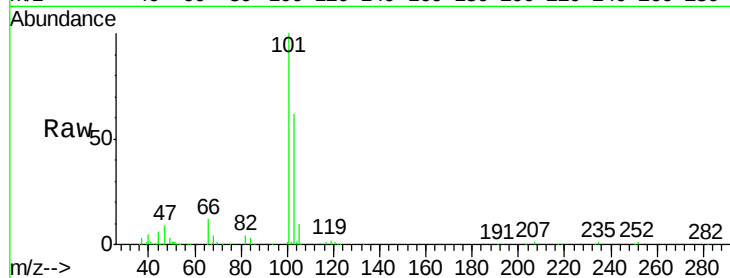
Trichlorofluoromethane
 Concen: 21.203 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
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 ClientSampleId :
 VD0128SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	52.5	78.7

Manual Integrations
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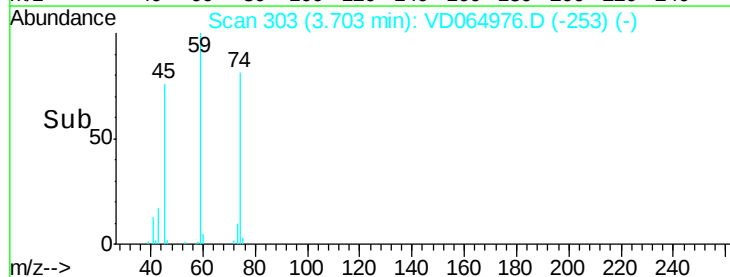
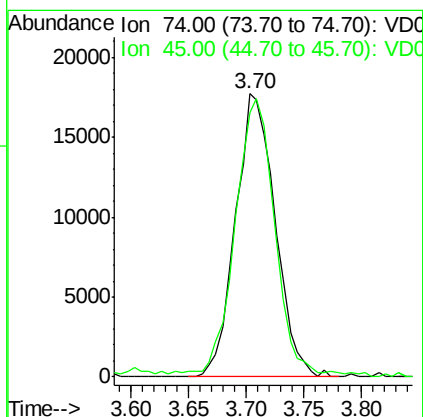
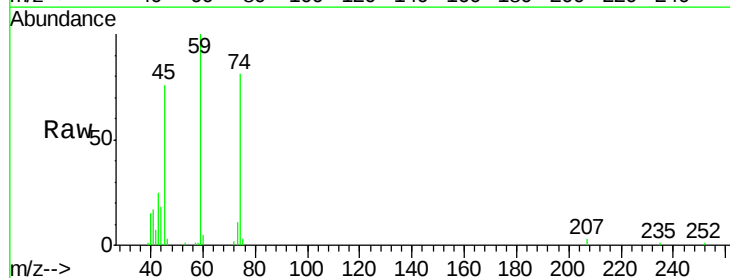
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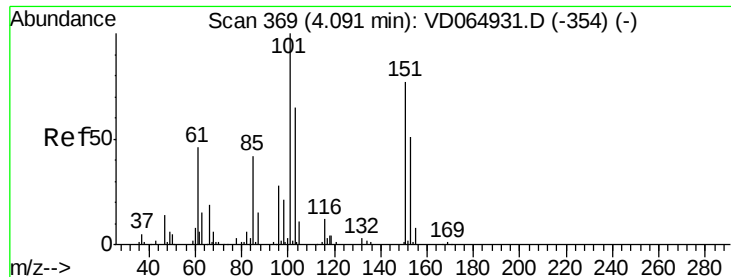


#8

Diethyl Ether
 Concen: 21.236 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.811 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

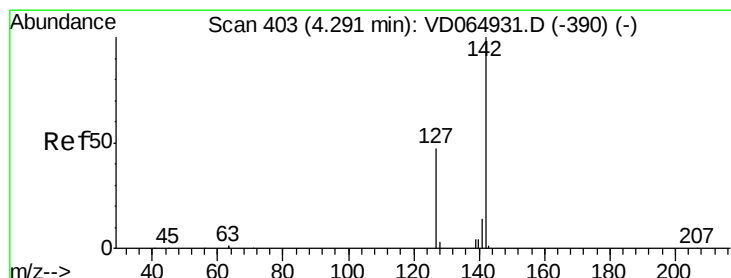
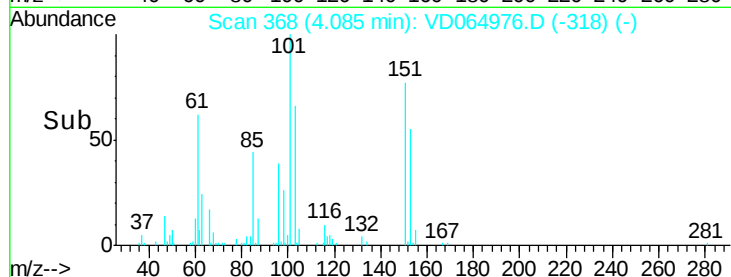
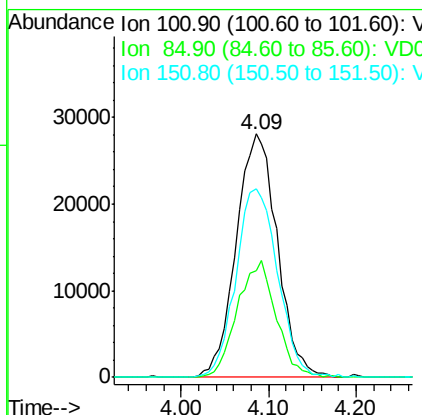
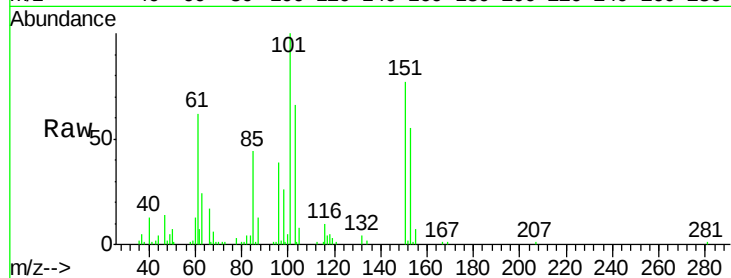
ClientSampleId :

VD0128SBS01

Tot Ion:	101	Resp:	89698
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.4
151	78.8	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.476 ug/l

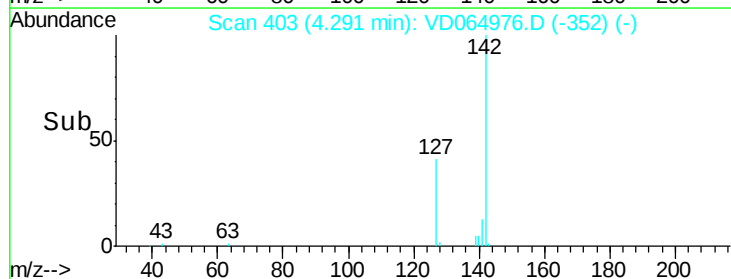
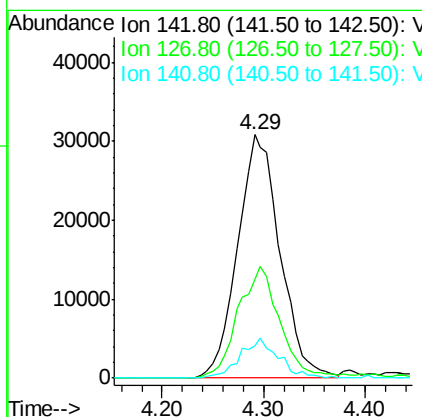
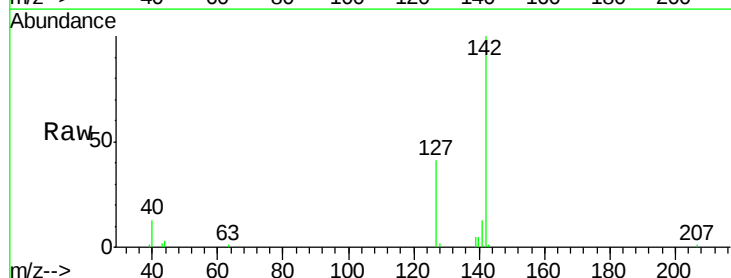
RT: 4.29 min Scan# 403

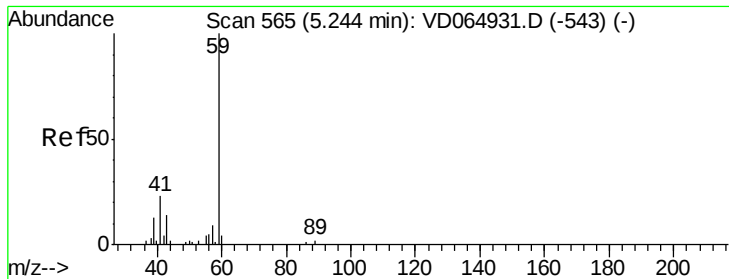
Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	142	Resp:	89384
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.2
141	14.9	11.6	17.4





#11

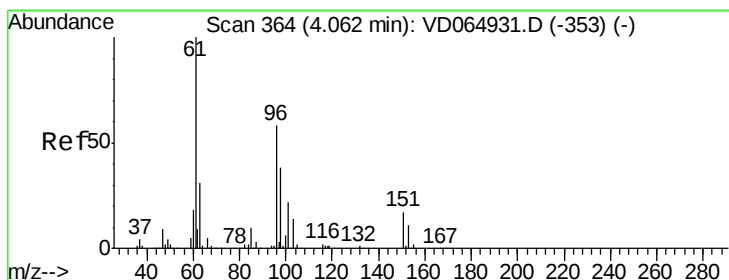
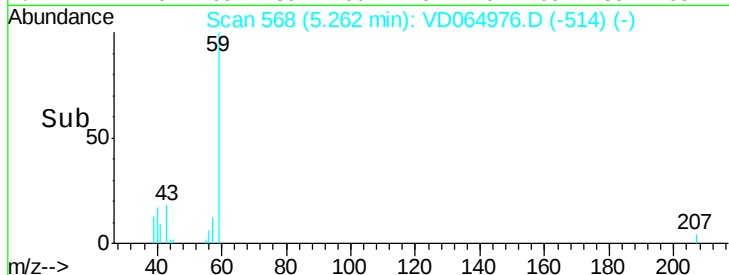
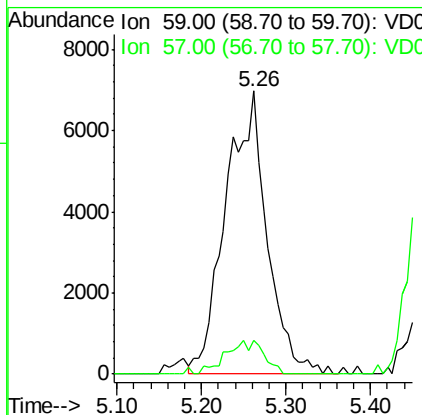
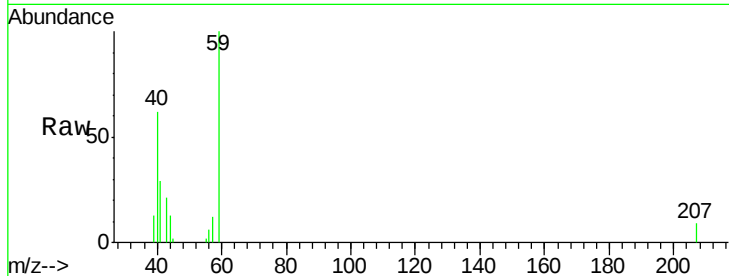
Tert butyl alcohol
 Concen: 98.770 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Tot Ion: 59 Resp: 23629
 Ion Ratio Lower Upper
 59 100
 57 6.7 7.7 11.5#

Manual Integrations
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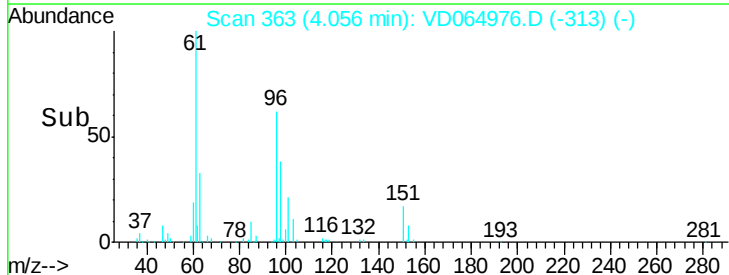
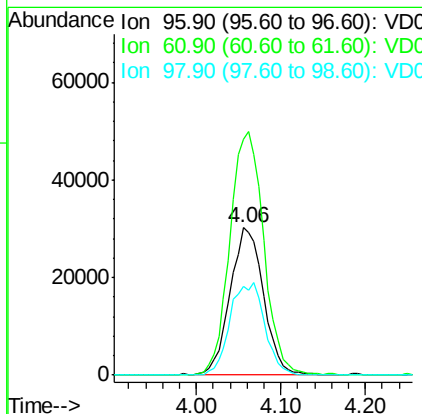
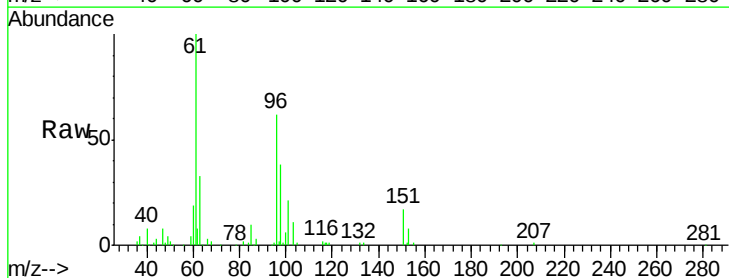
MMDadoda
 1/29/2020 12:55:59 PM

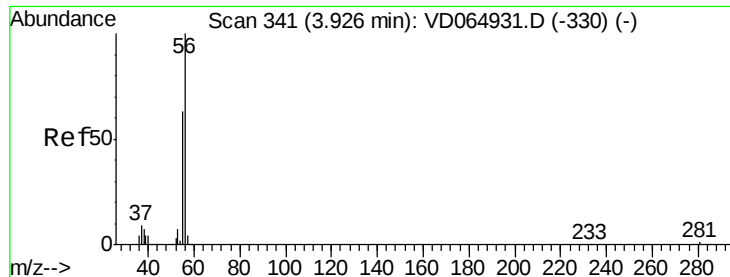


#12

1,1-Dichloroethene
 Concen: 20.995 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion: 96 Resp: 82481
 Ion Ratio Lower Upper
 96 100
 61 160.6 137.0 205.4
 98 60.5 52.1 78.1





#13

Acrolein

Concen: 87.414 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBSD01

Tot Ion: 56 Resp: 26216

Ion Ratio Lower Upper

56 100

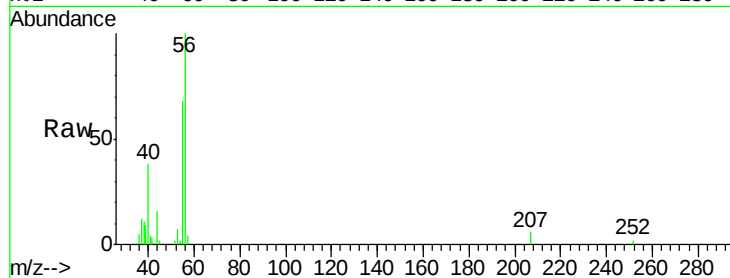
55 72.2 59.7 89.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

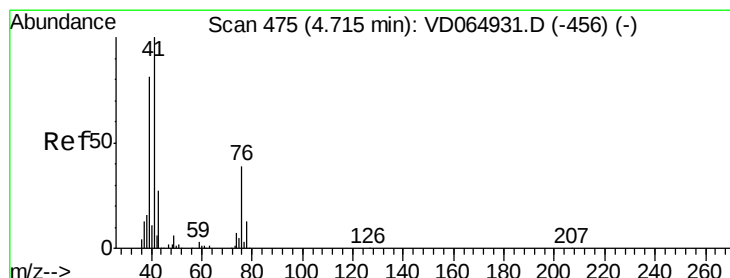
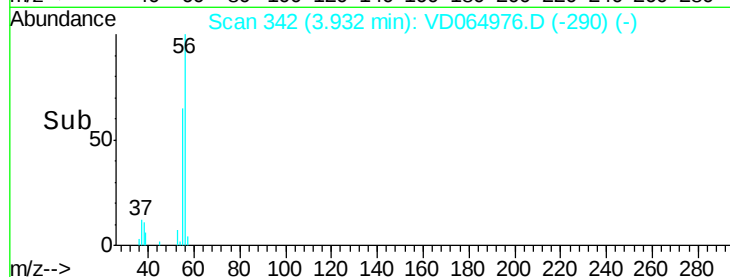
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.863 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

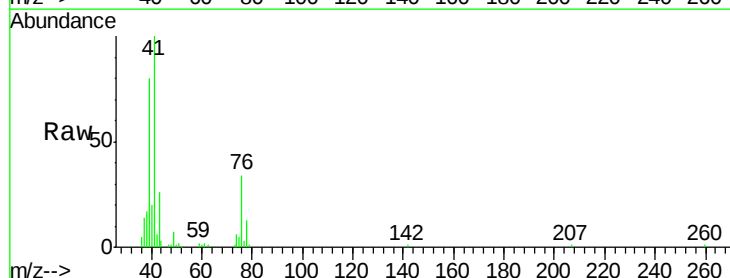
Tgt Ion: 41 Resp: 130727

Ion Ratio Lower Upper

41 100

39 77.6 62.0 93.0

76 36.0 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

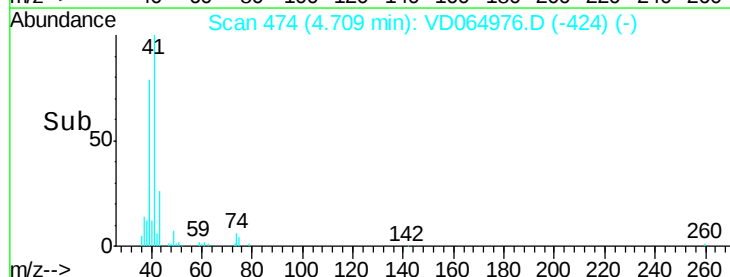
30000

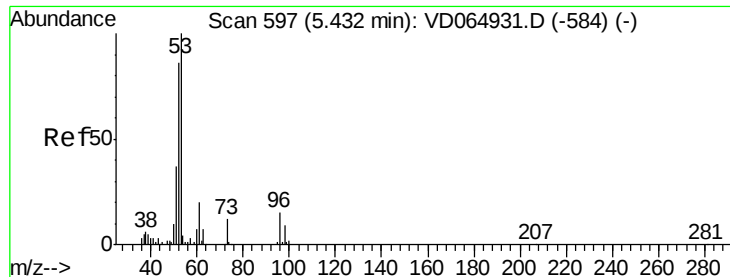
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 104.337 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

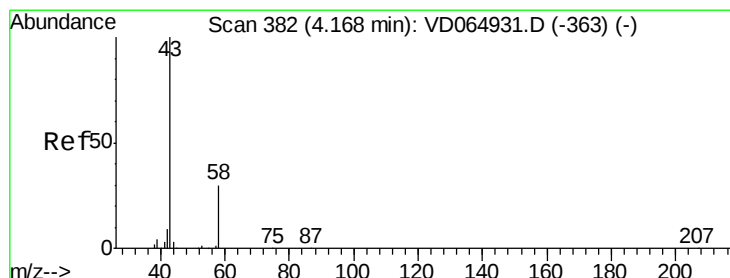
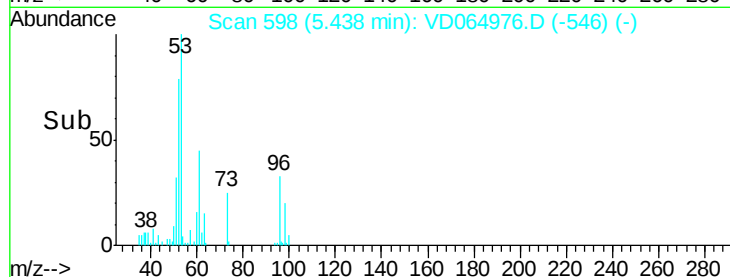
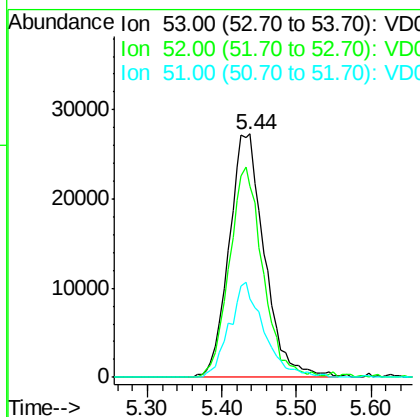
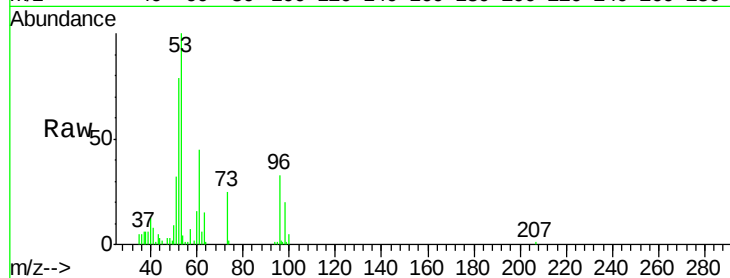
ClientSampleID :

VD0128SBS01

Tot Ion:	53	Resp:	90159
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.7	100.1
51	38.1	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 91.199 ug/l

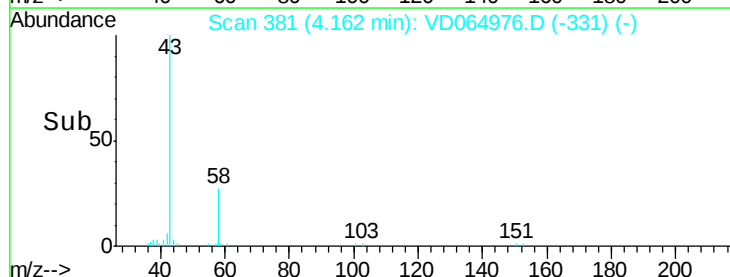
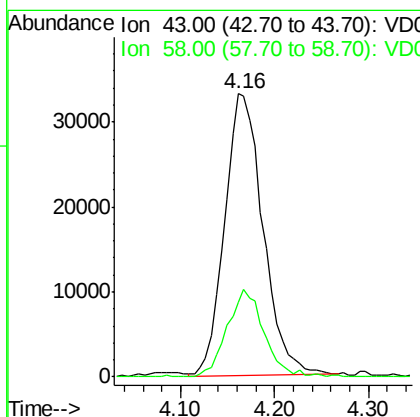
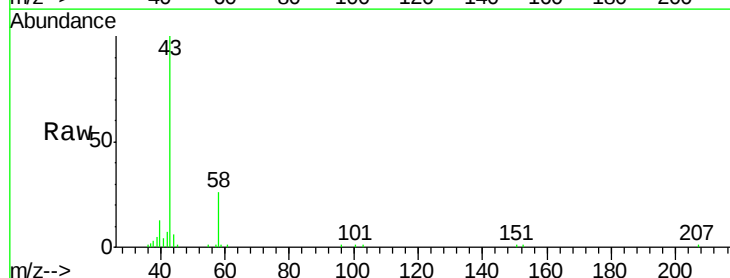
RT: 4.16 min Scan# 381

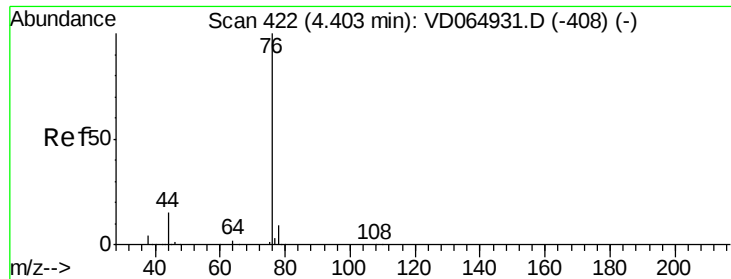
Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	43	Resp:	94253
Ion Ratio	Lower	Upper	
43	100		
58	26.7	23.8	35.8





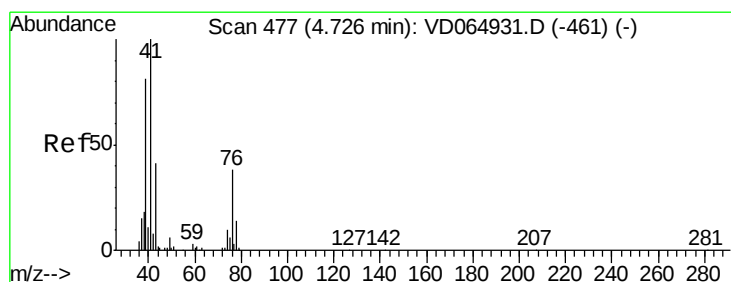
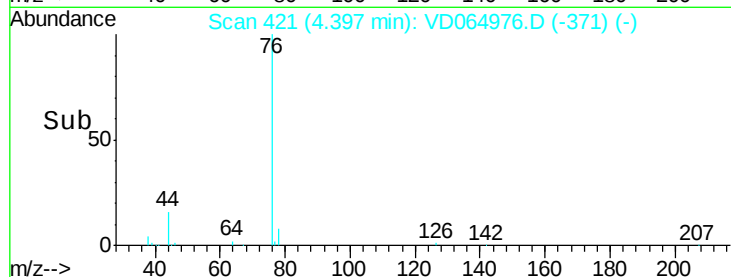
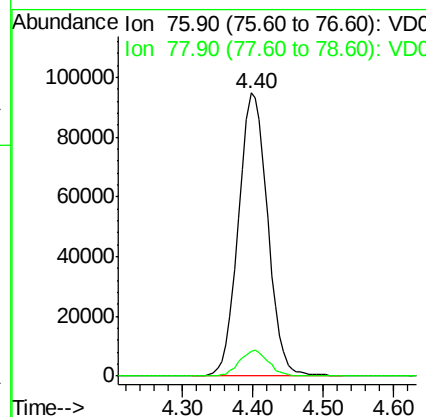
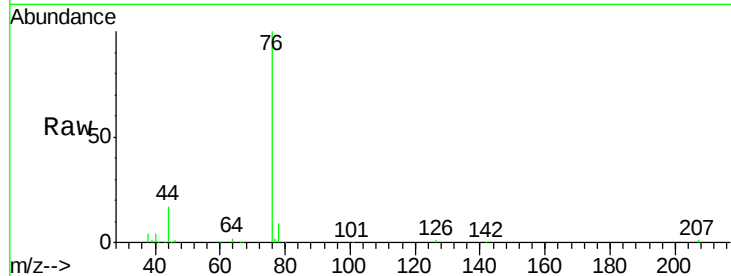
#17
Carbon Disulfide
Concen: 21.134 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

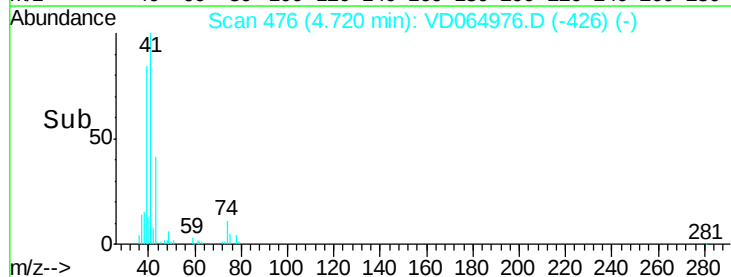
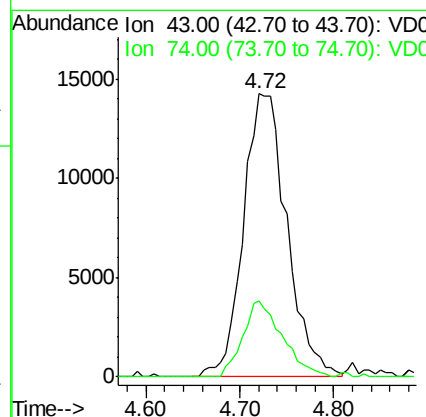
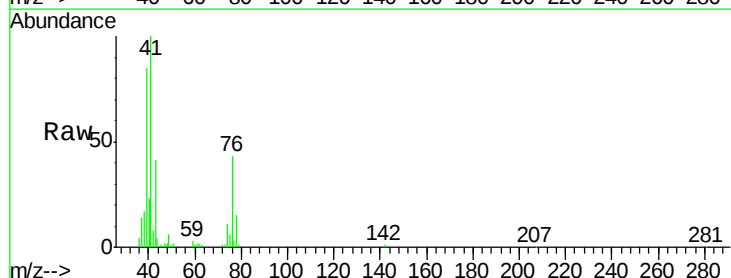
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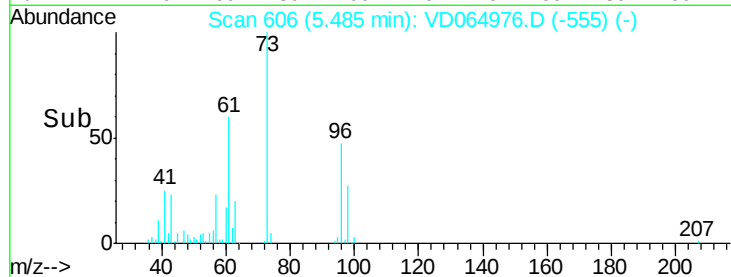
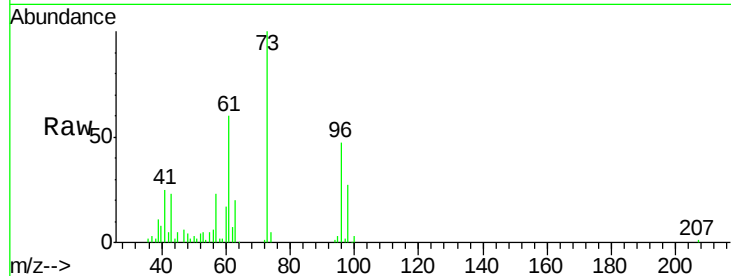
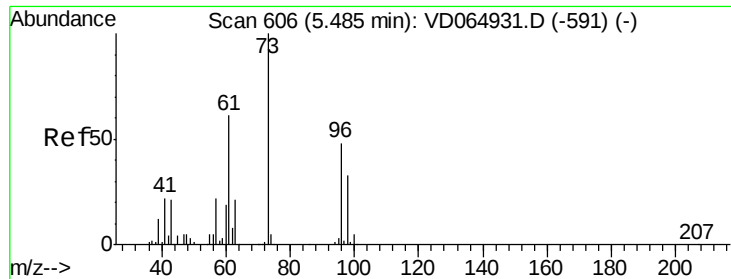
MMDadoda
1/29/2020 12:55:59 PM



#18
Methyl Acetate
Concen: 22.514 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.1	28.7





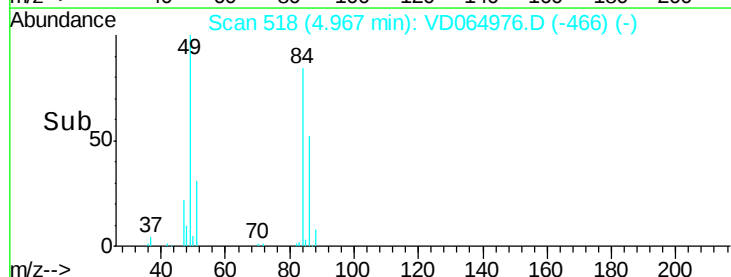
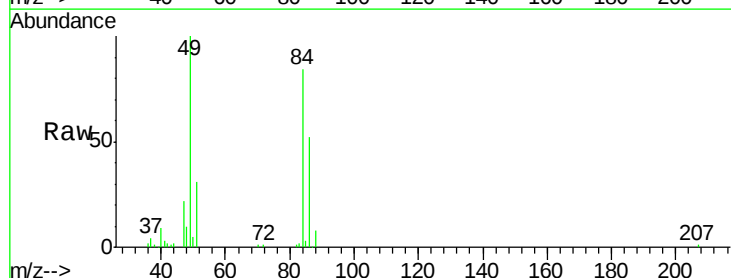
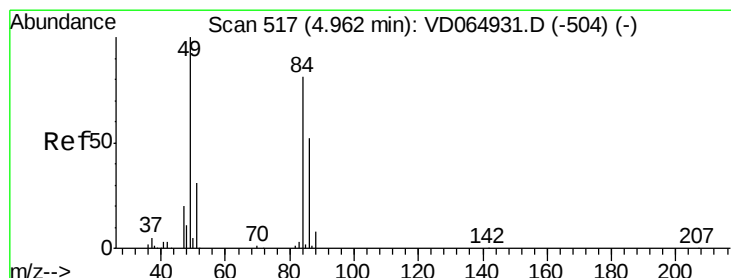
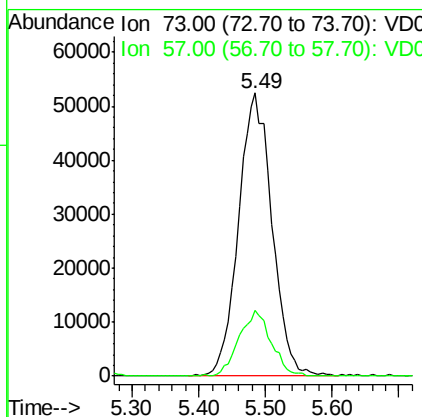
#19
Methyl tert-butyl Ether
Concen: 20.647 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tot Ion: 73 Resp: 181248
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

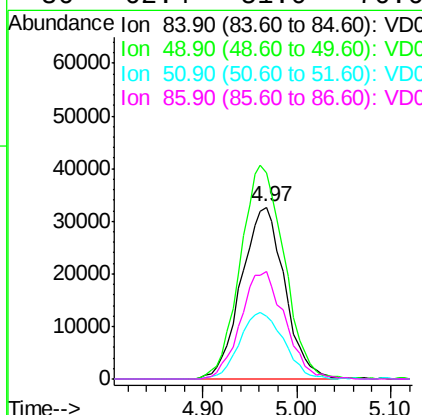
Manual Integrations
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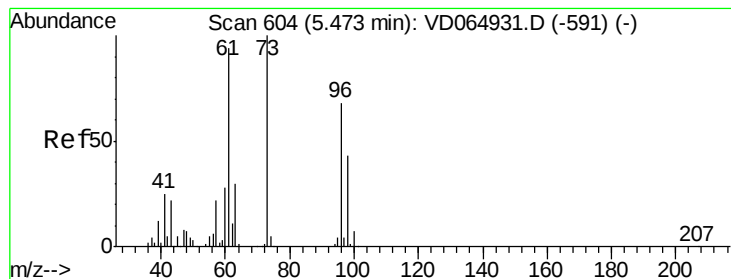
MMDadoda
1/29/2020 12:55:59 PM



#20
Methylene Chloride
Concen: 21.068 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion: 84 Resp: 104278
Ion Ratio Lower Upper
84 100
49 119.7 98.4 147.6
51 36.6 30.8 46.2
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.856 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

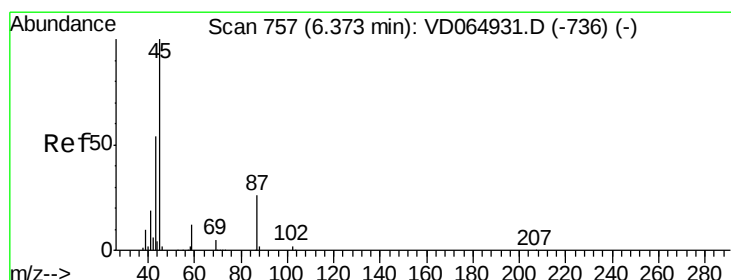
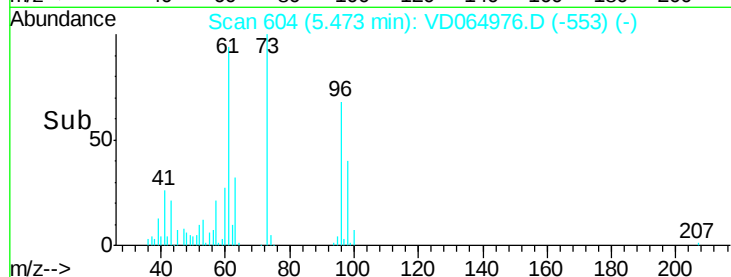
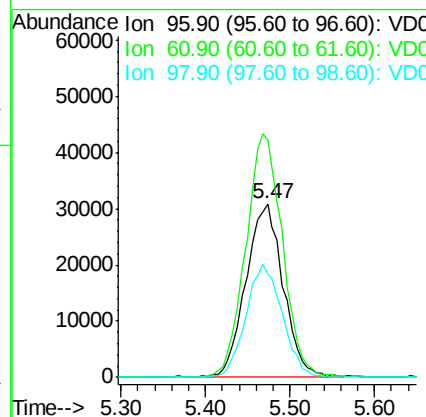
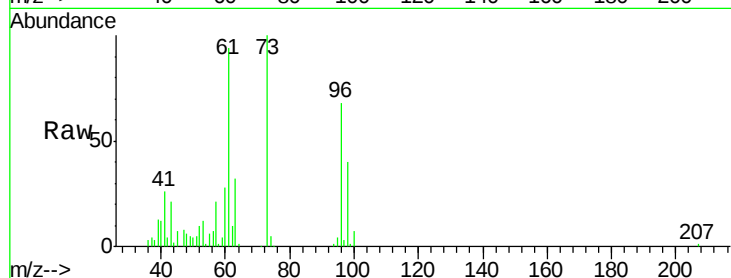
ClientSampleId :

VD0128SBS01

Tot Ion:	96	Resp:	94401
Ion	Ratio	Lower	Upper
96	100		
61	136.7	110.4	165.6
98	59.0	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.332 ug/l

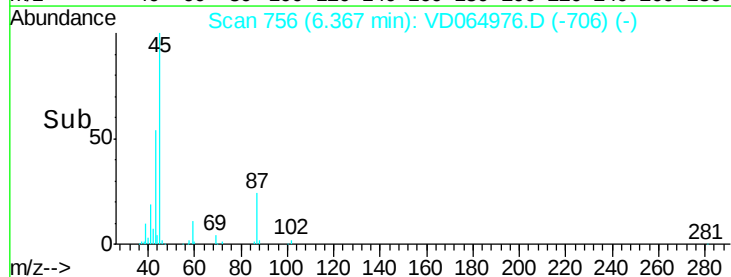
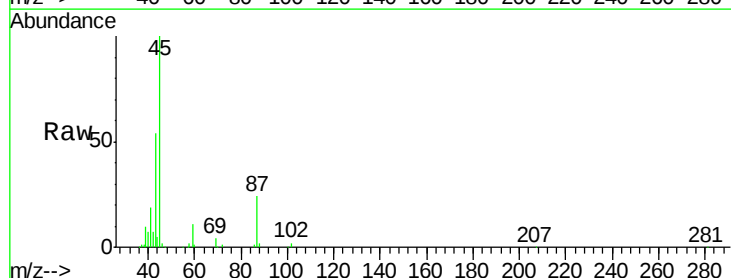
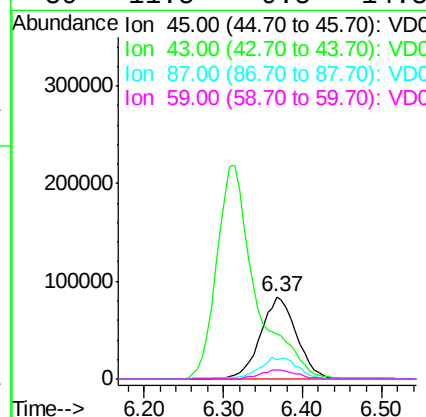
RT: 6.37 min Scan# 756

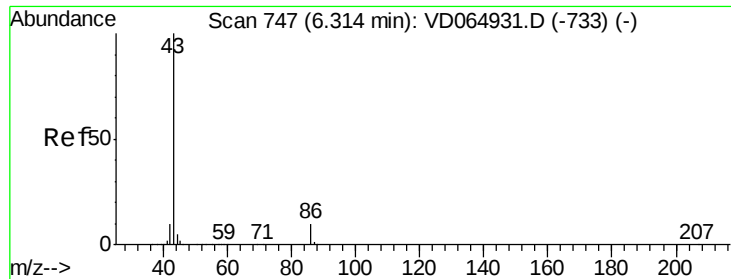
Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	45	Resp:	266377
Ion	Ratio	Lower	Upper
45	100		
43	52.8	43.1	64.7
87	24.1	21.4	32.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 101.654 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 43 Resp: 743216

Ion Ratio Lower Upper

43 100

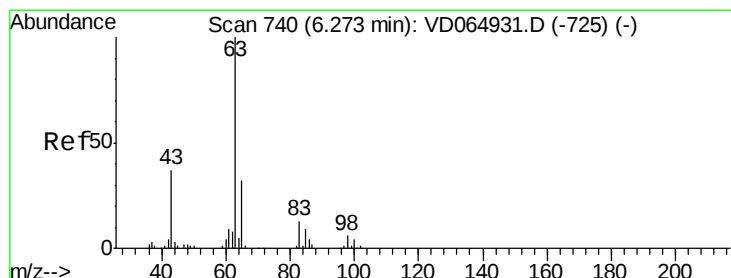
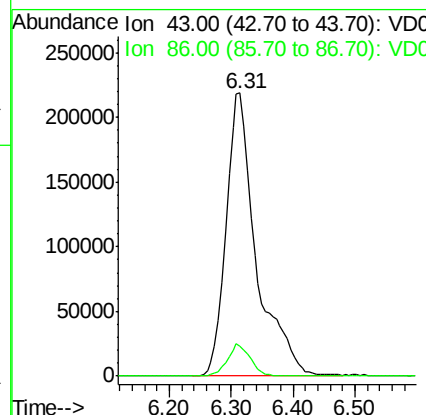
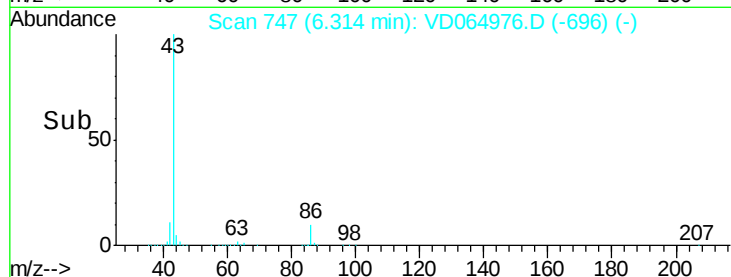
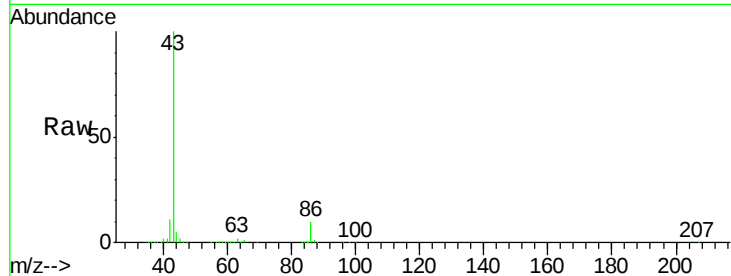
86 10.4 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.471 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

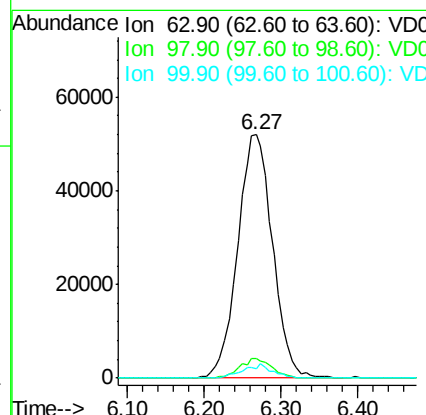
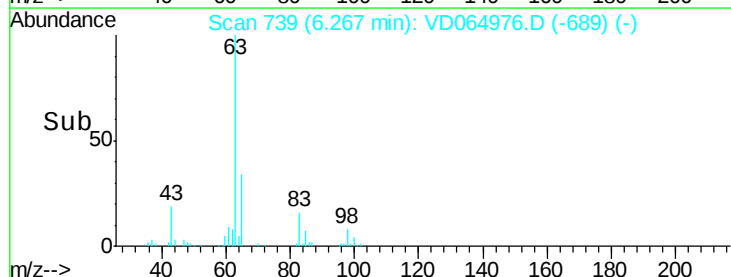
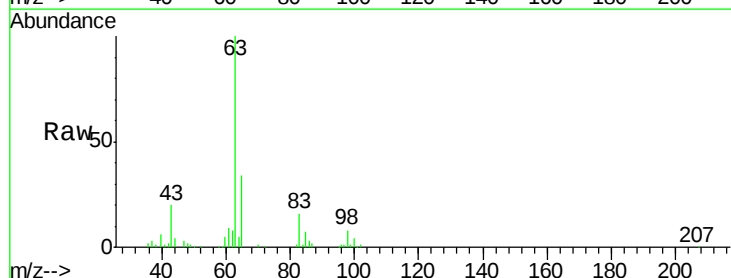
Tgt Ion: 63 Resp: 164622

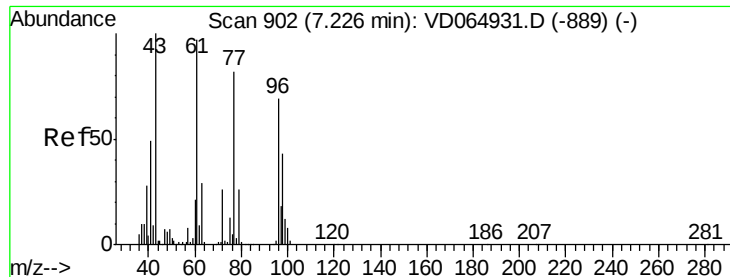
Ion Ratio Lower Upper

63 100

98 7.8 3.1 9.3

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 103.497 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 43 Resp: 121049

Ion Ratio Lower Upper

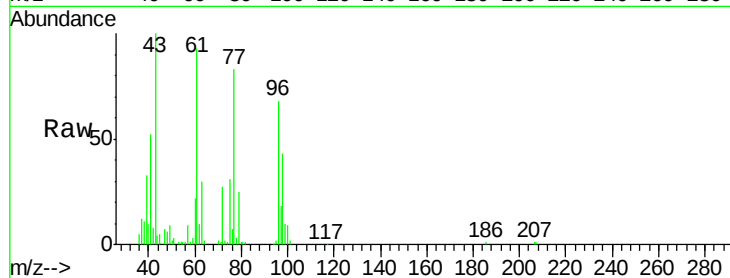
43 100

72 26.8 20.6 31.0

Manual Integrations
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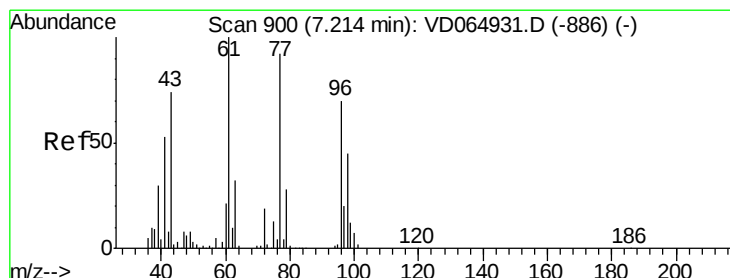
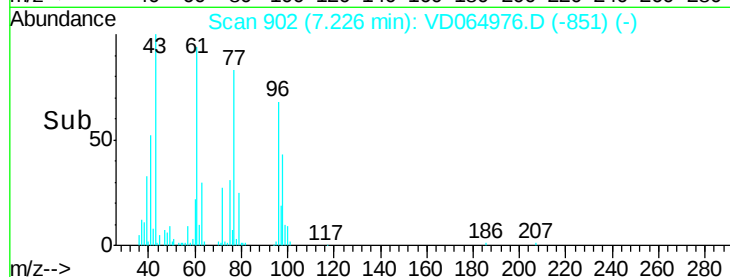
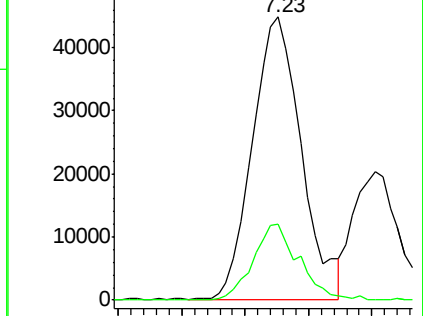
MMDadoda

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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: 21.399 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064976.D

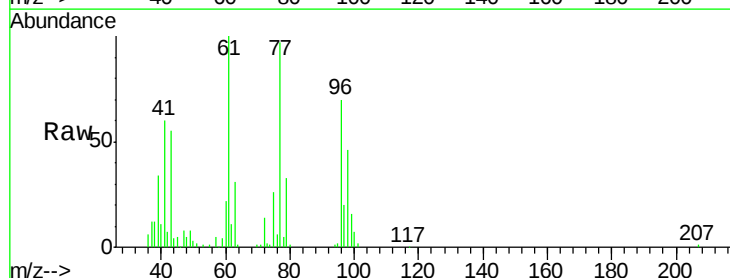
Acq: 28 Jan 2020 13:56

Tgt Ion: 77 Resp: 148815

Ion Ratio Lower Upper

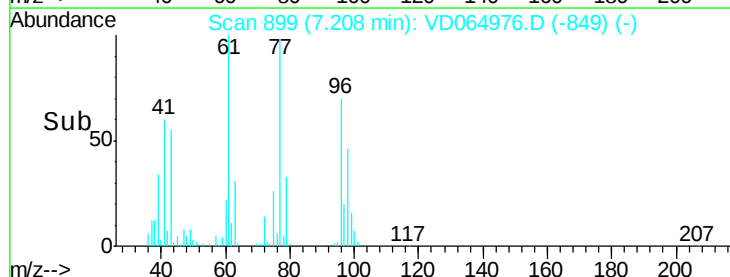
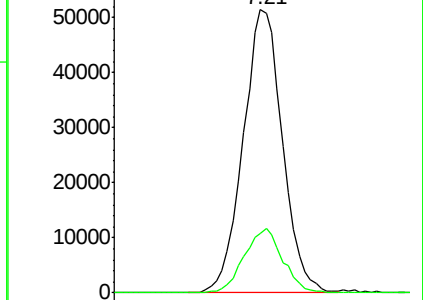
77 100

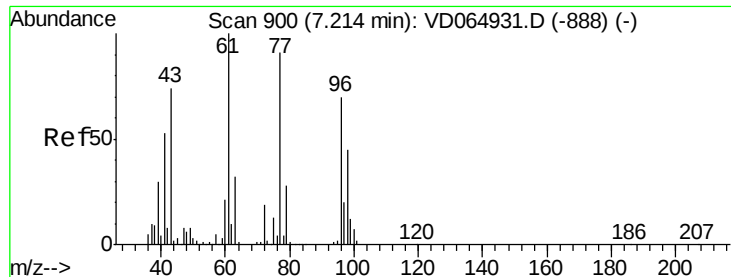
97 22.3 11.4 34.2



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: 21.329 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

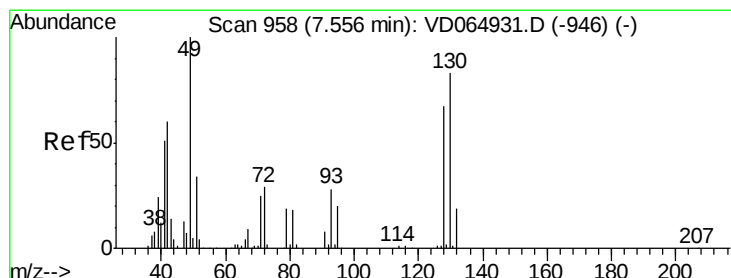
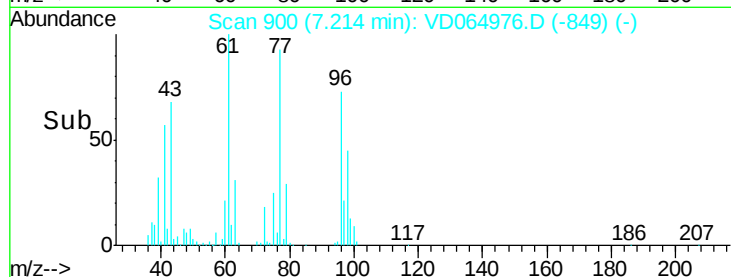
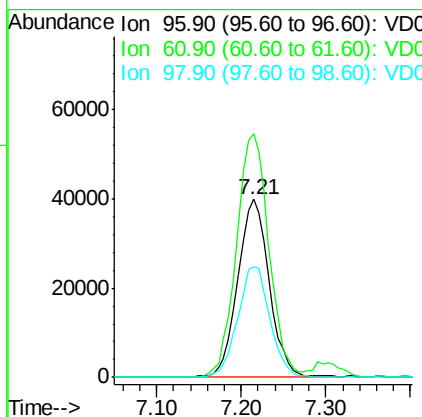
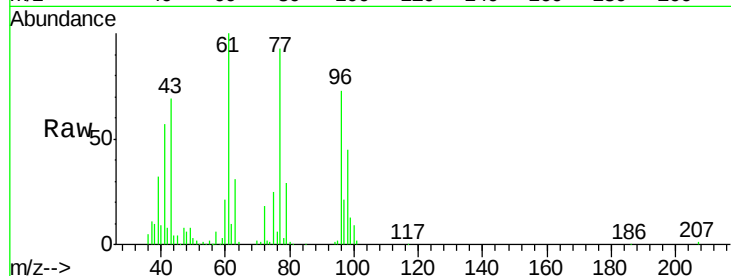
ClientSampleId :

VD0128SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	292.8
98	63.8	0.0	130.0

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#28

Bromochloromethane

Concen: 17.331 ug/l

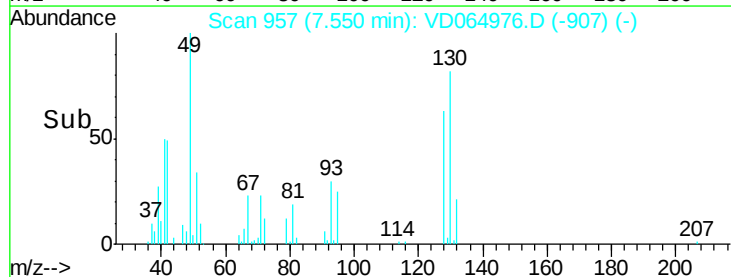
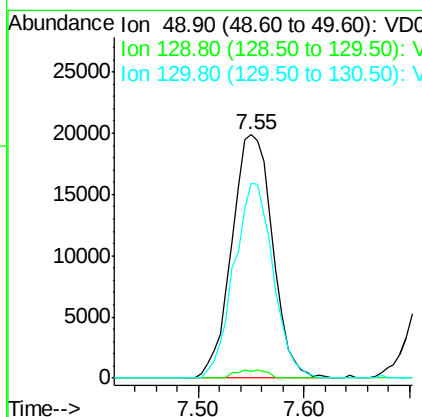
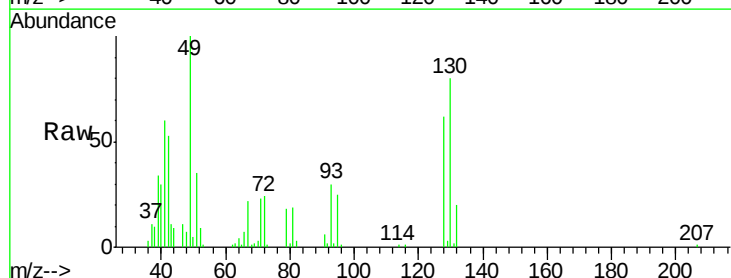
RT: 7.55 min Scan# 957

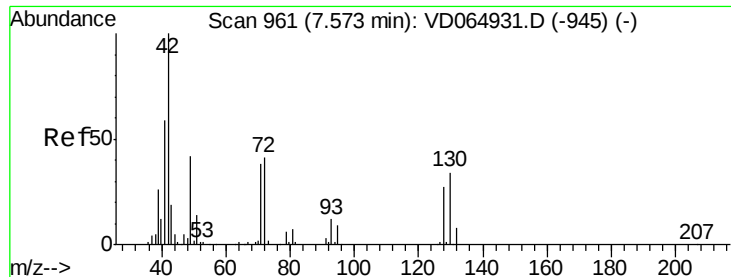
Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	77.1	63.8	95.8





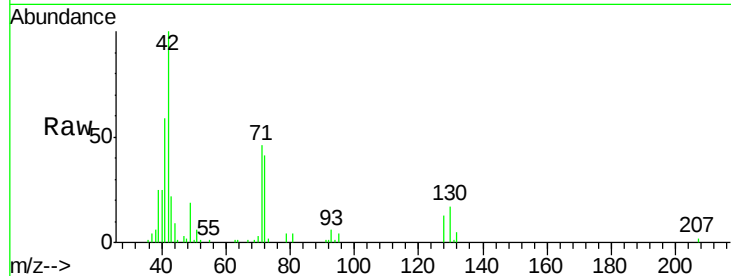
#29
Tetrahydrofuran
Concen: 102.014 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

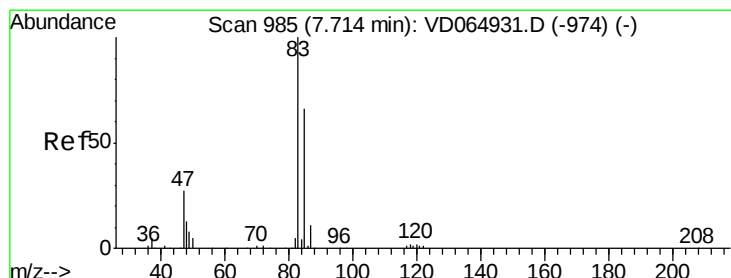
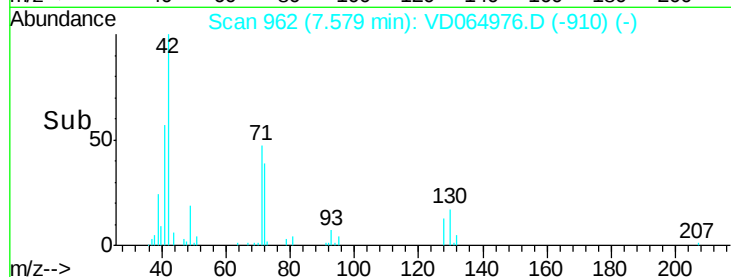
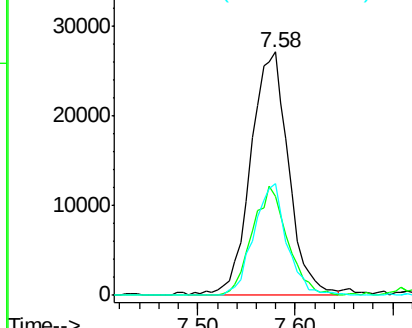
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.0	51.0
71	40.2	31.5	47.3

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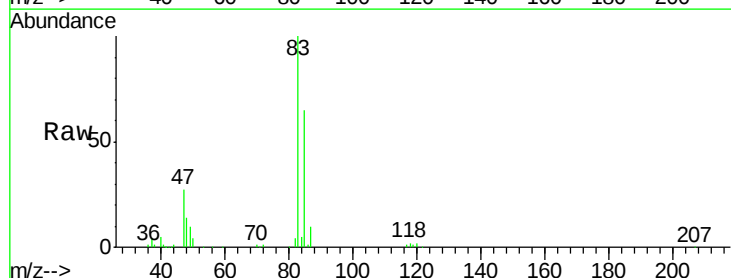


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

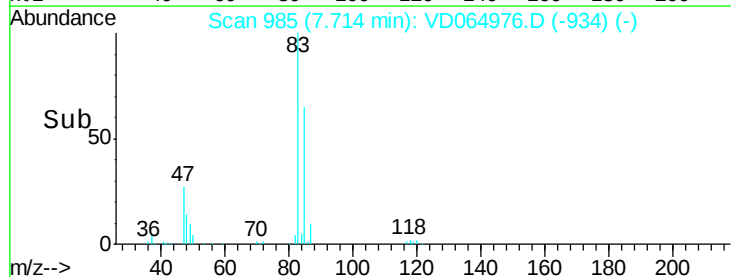
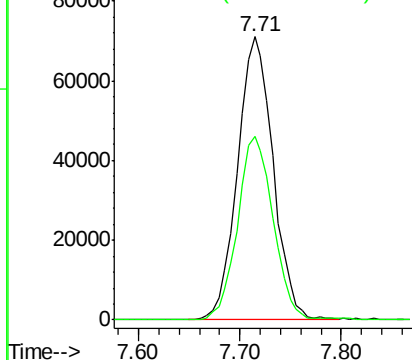


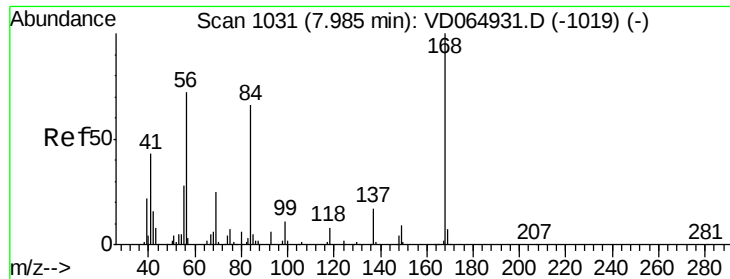
#30
Chloroform
Concen: 21.772 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





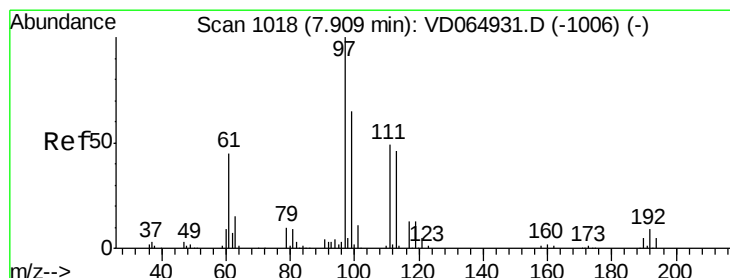
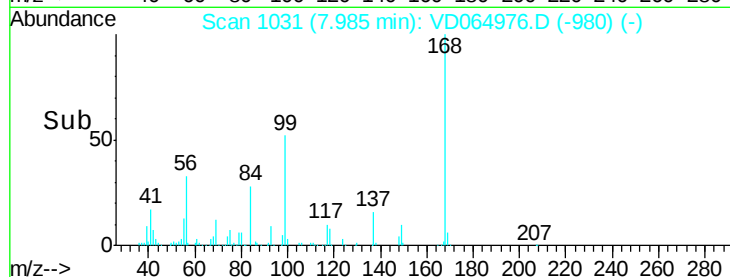
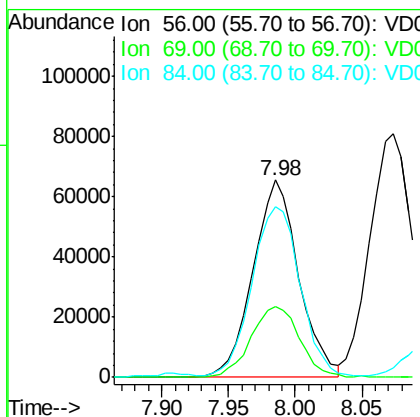
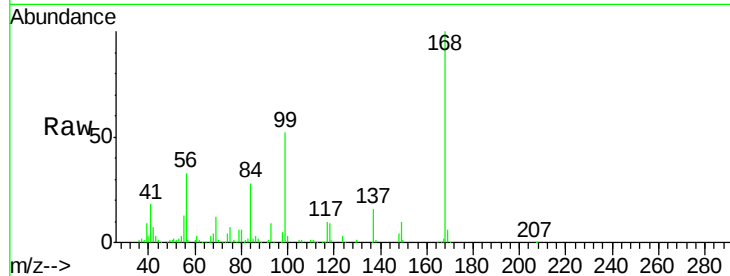
#31
Cyclohexane
Concen: 20.625 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	27.9	41.9
84	85.1	72.8	109.2

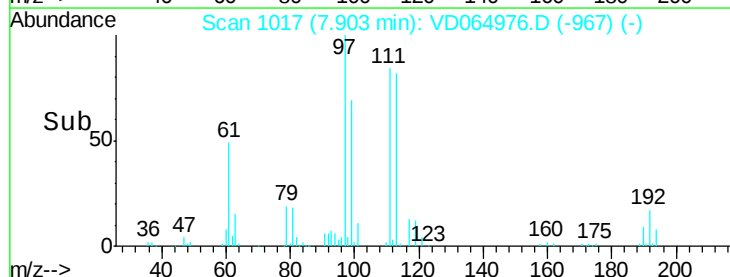
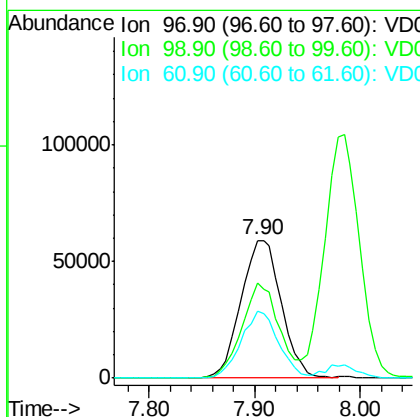
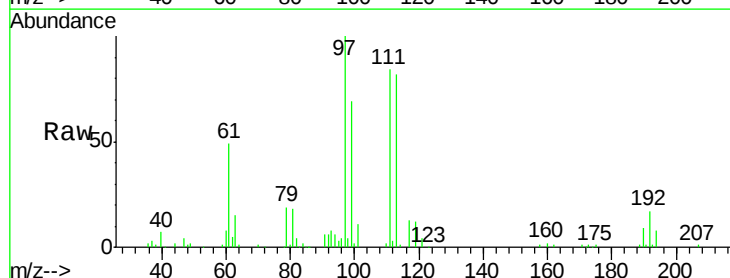
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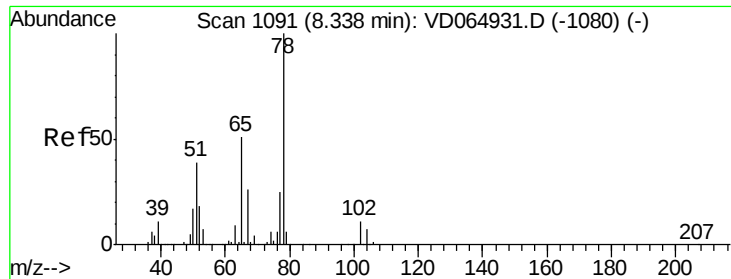
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#32
1,1,1-Trichloroethane
Concen: 21.183 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	76.0
61	45.4	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 51.599 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 65 Resp: 223380

Ion Ratio Lower Upper

65 100

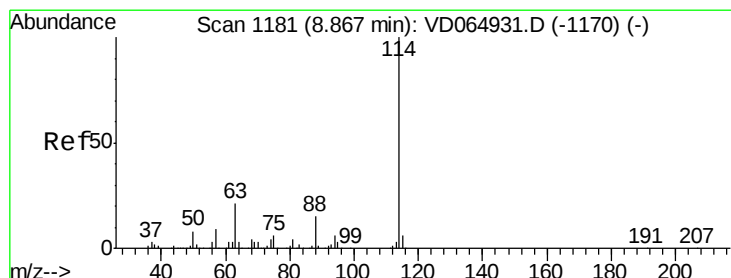
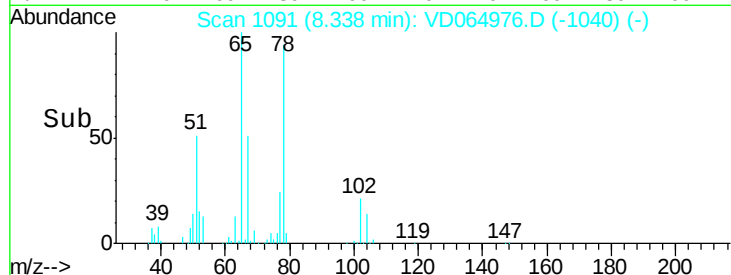
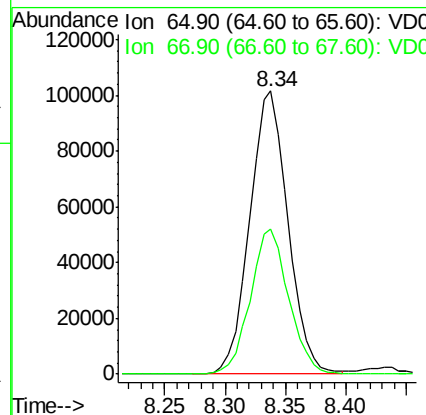
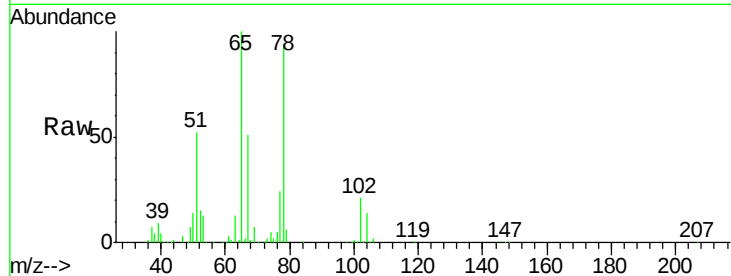
67 51.3 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

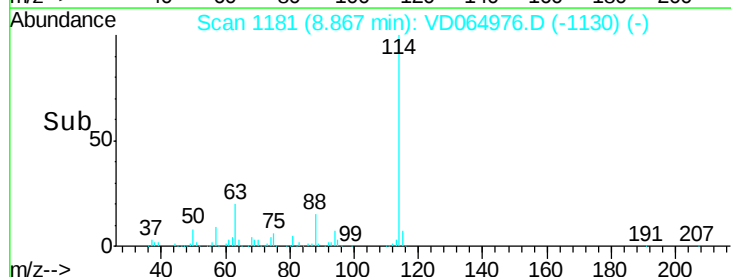
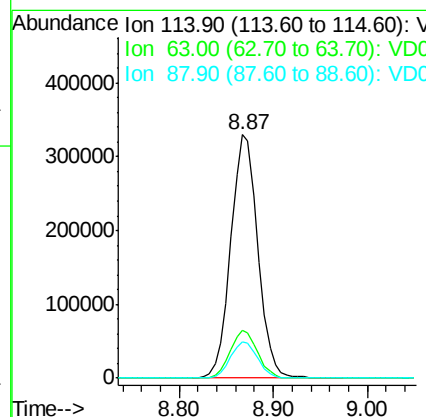
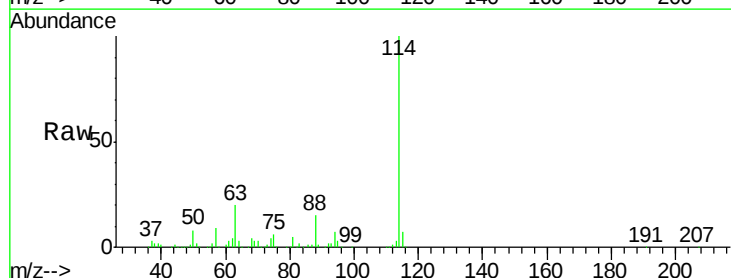
Tgt Ion: 114 Resp: 659083

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.0

88 15.1 0.0 29.4





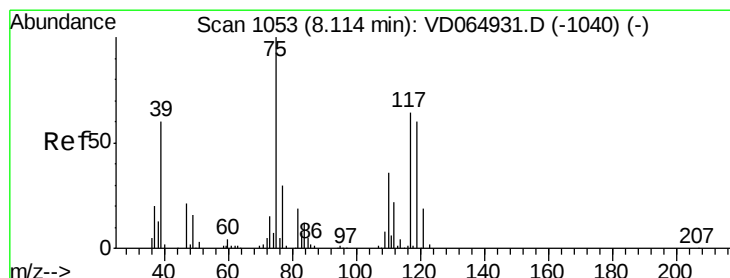
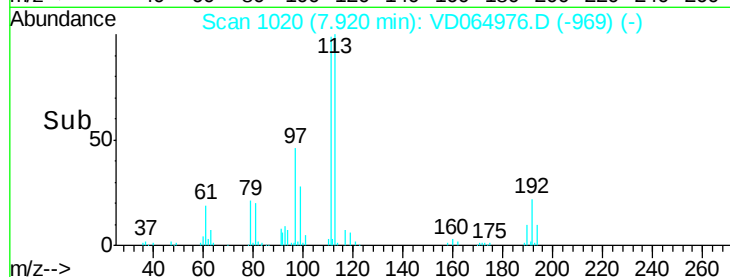
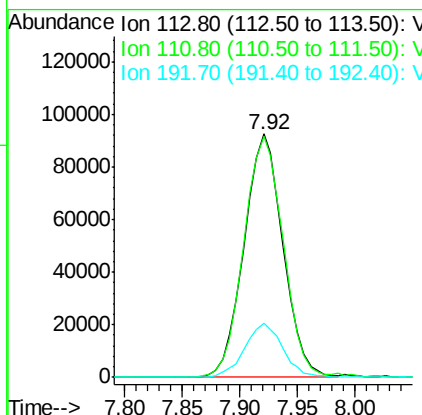
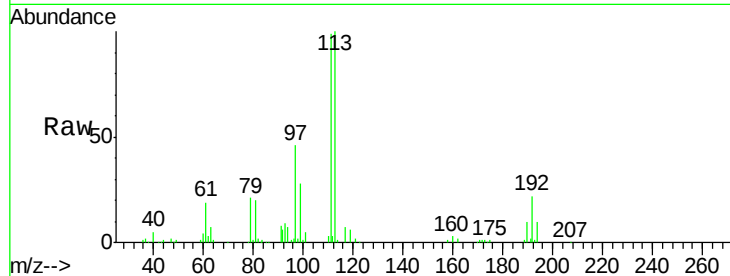
#35
 Dibromofluoromethane
 Concen: 52.552 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217657		
111	101.4	82.4	123.6	
192	21.7	16.9	25.3	

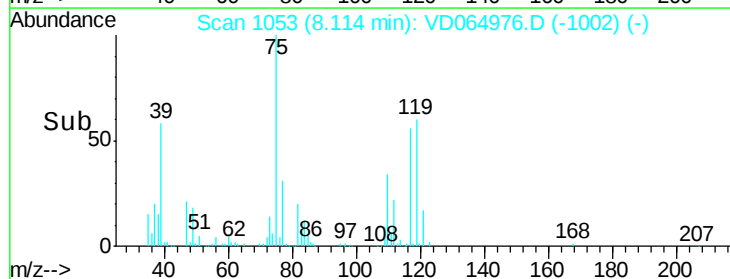
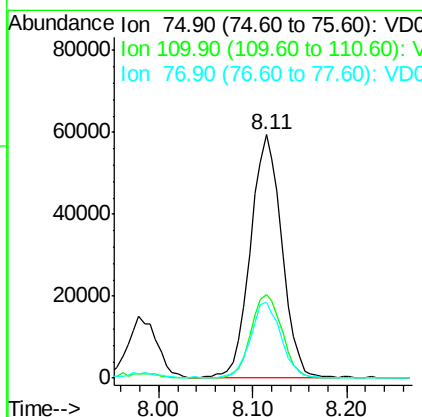
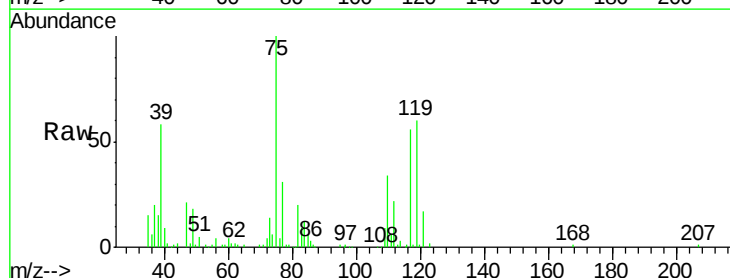
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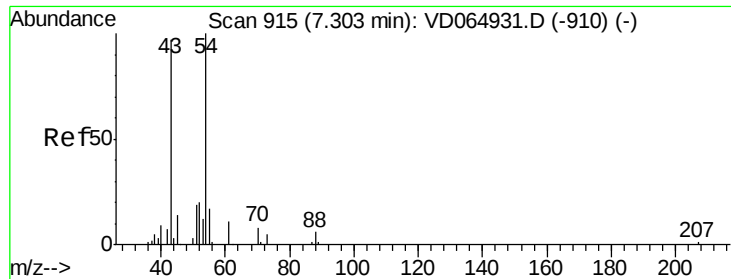
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#36
 1,1-Dichloropropene
 Concen: 21.655 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137624		
110	33.9	17.3	52.0	
77	30.5	24.7	37.1	





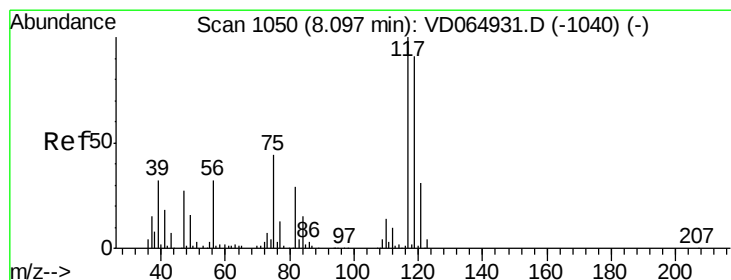
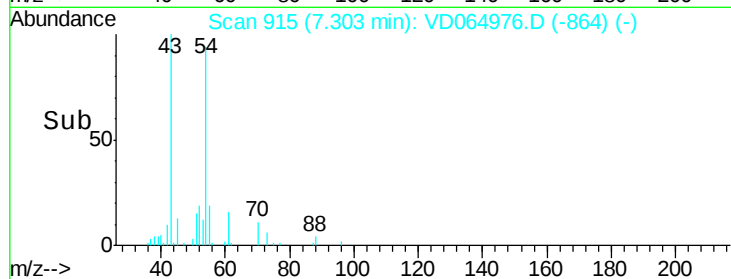
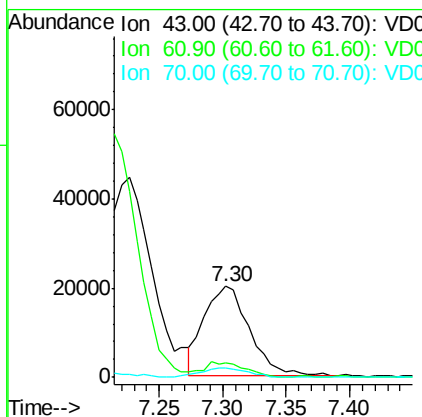
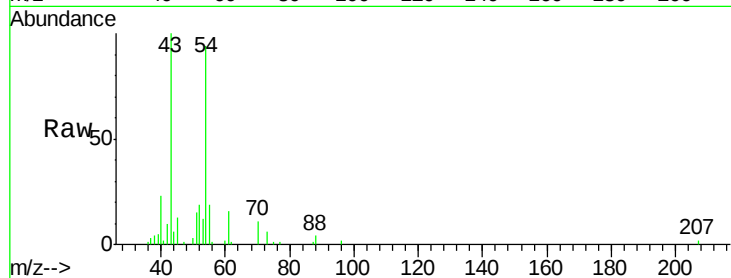
#37
Ethyl Acetate
Concen: 19.001 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.0	16.4
70	11.0	7.5	11.3

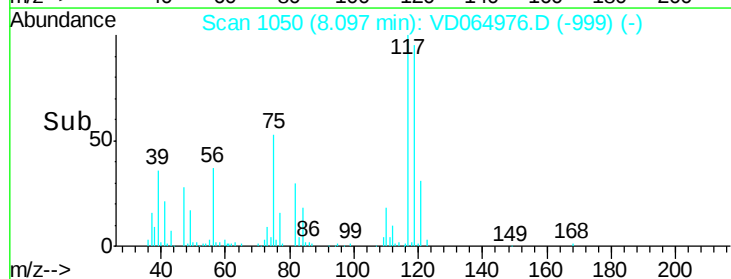
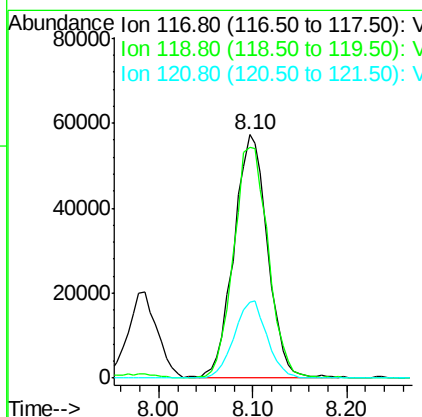
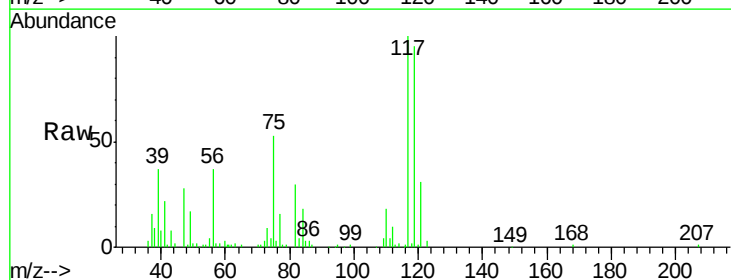
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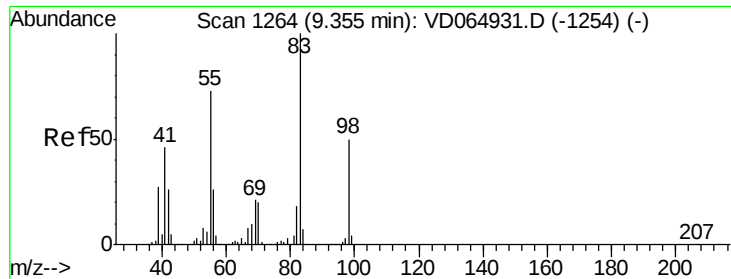
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#38
Carbon Tetrachloride
Concen: 21.258 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.2	109.8
121	31.0	24.4	36.6





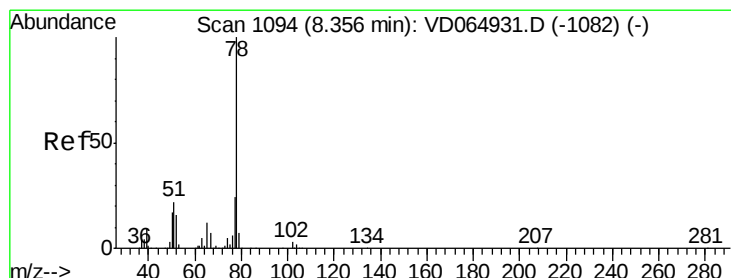
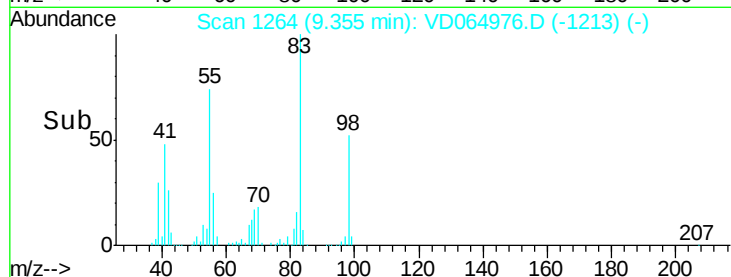
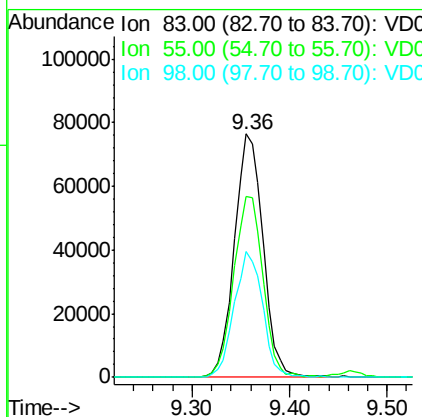
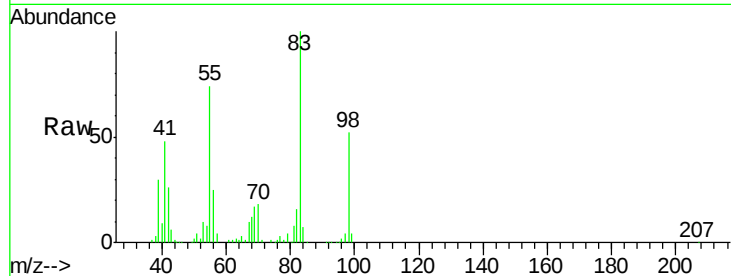
#39
Methvlcvclohexane
Concen: 21.064 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.7	88.1
98	51.5	40.2	60.2

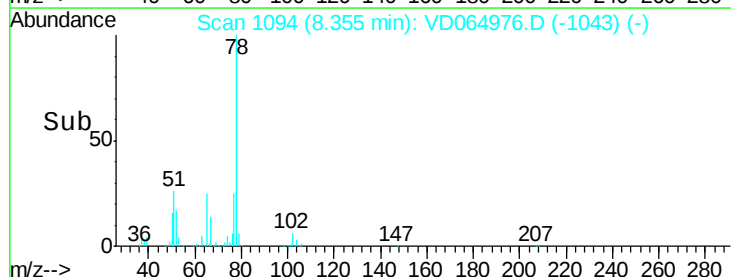
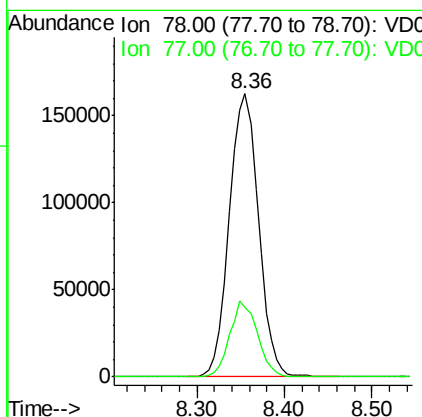
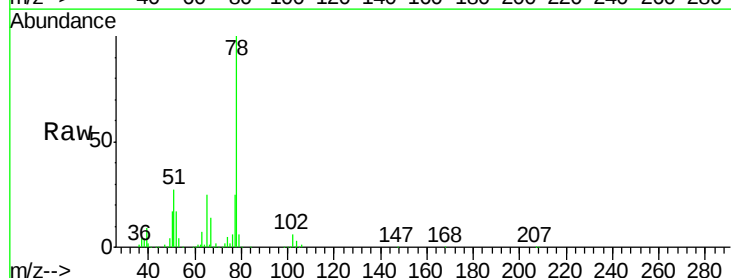
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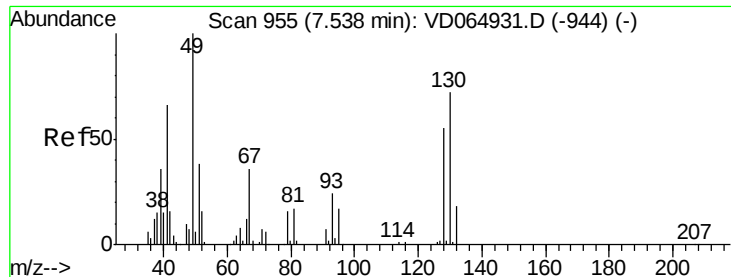
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#40
Benzene
Concen: 21.045 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





#41

Methacrylonitrile

Concen: 17.733 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleID :

VD0128SBS01

Tot Ion: 41 Resp: 25078

Ion Ratio Lower Upper

41 100

39 62.9 49.3 73.9

67 84.1 51.0 76.6#

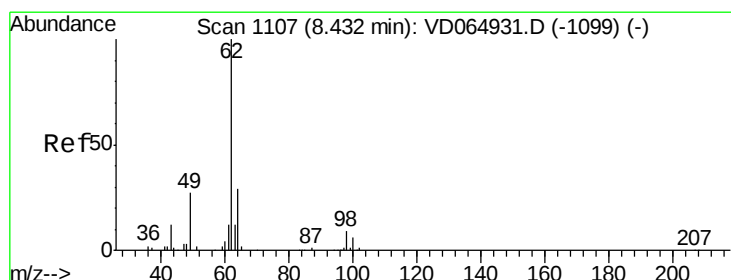
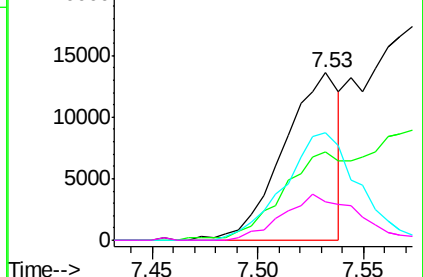
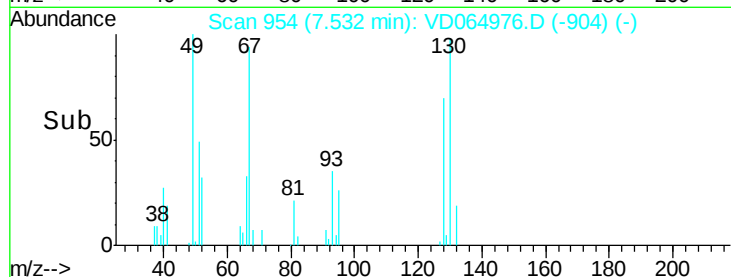
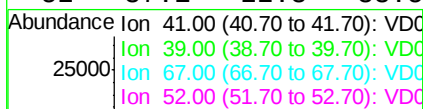
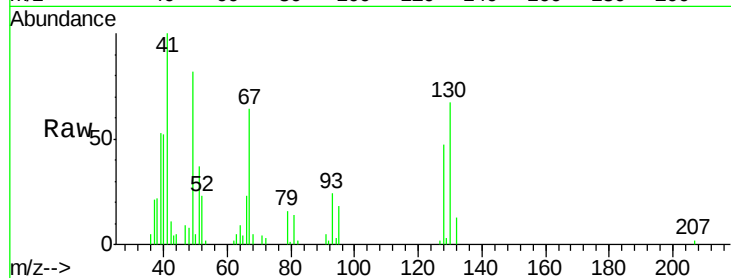
52 37.1 22.3 33.5#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.303 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064976.D

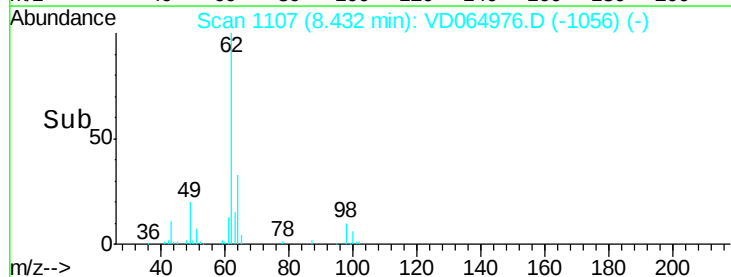
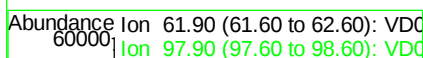
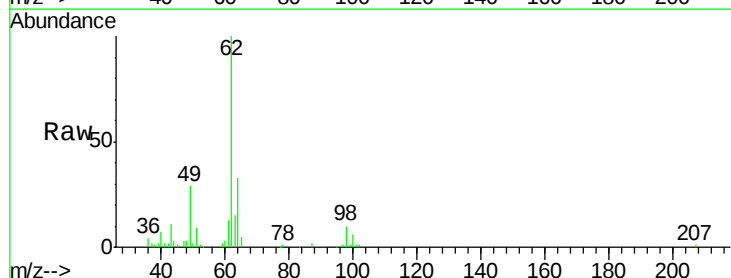
Acq: 28 Jan 2020 13:56

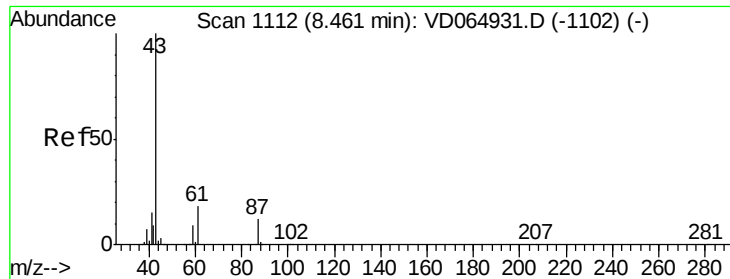
Tgt Ion: 62 Resp: 111074

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 20.538 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

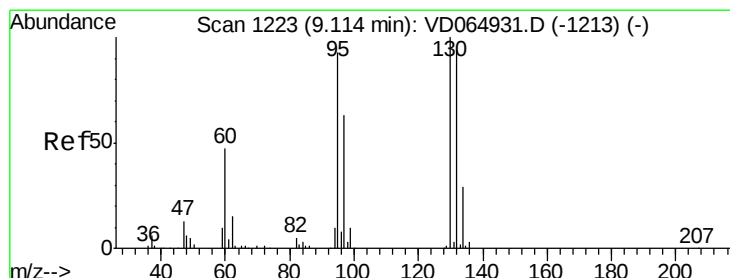
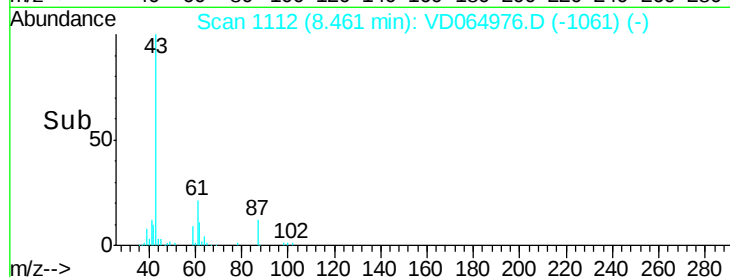
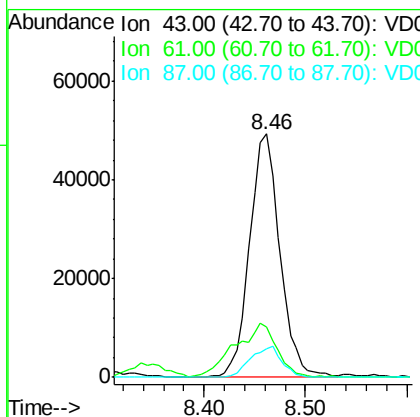
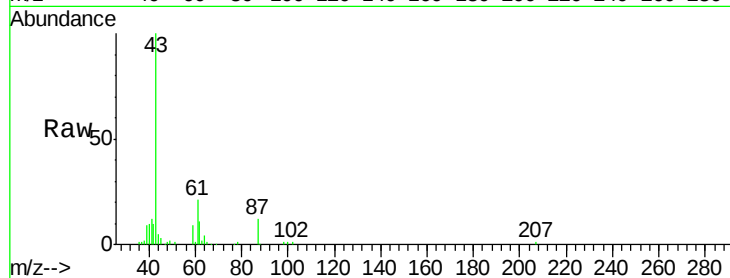
ClientSampleId :

VD0128SBS01

Tot Ion:	43	Resp:	102412
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.8	35.6
87	13.2	10.3	15.5

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#44

Trichloroethene

Concen: 21.654 ug/l

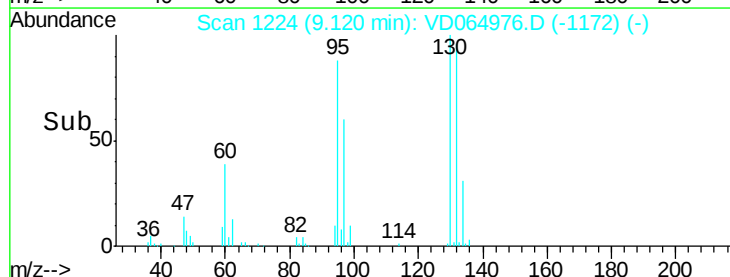
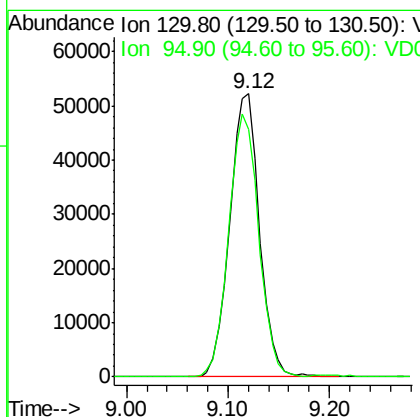
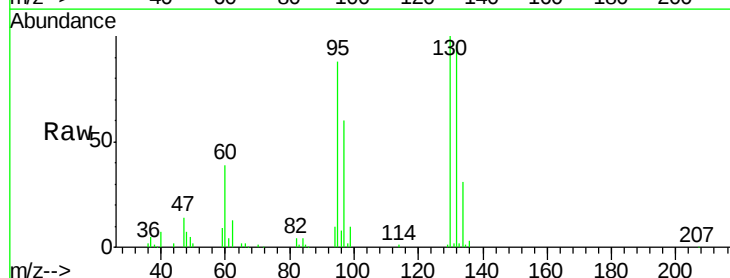
RT: 9.12 min Scan# 1224

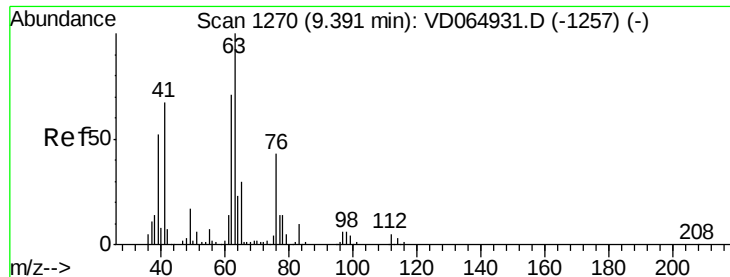
Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	130	Resp:	106079
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	185.8





#45

1,2-Dichloropropane

Concen: 21.131 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 63 Resp: 89667

Ion Ratio Lower Upper

63 100

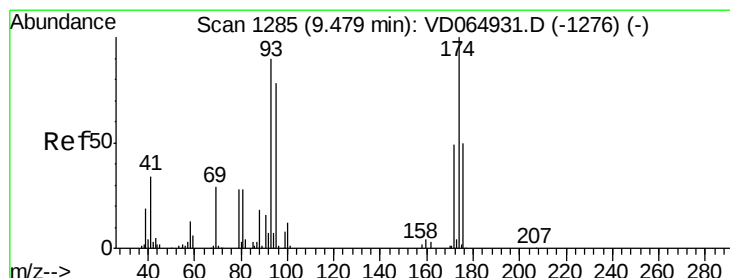
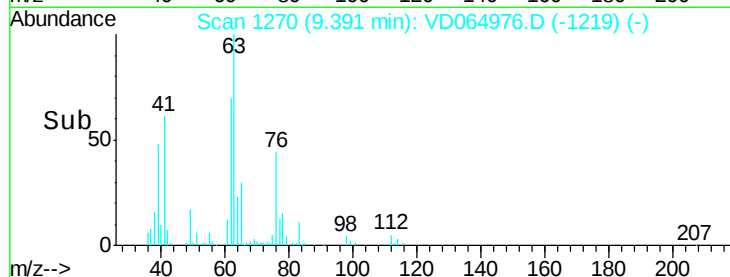
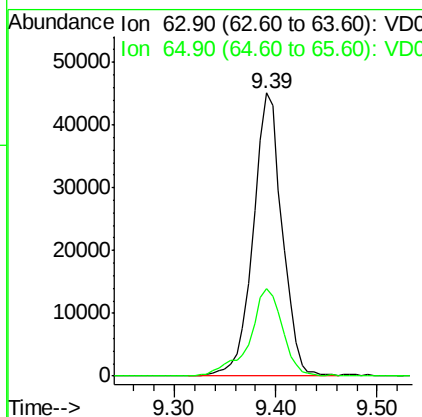
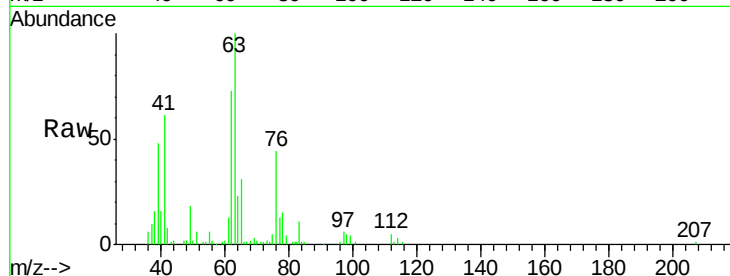
65 30.8 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.007 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

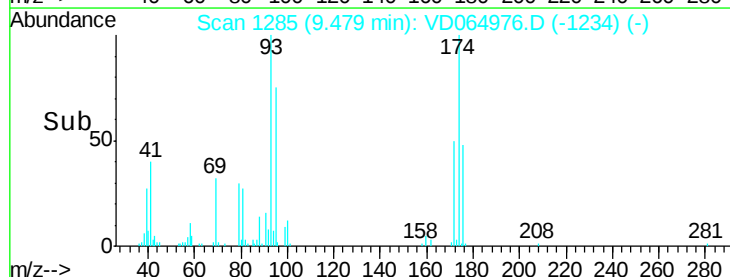
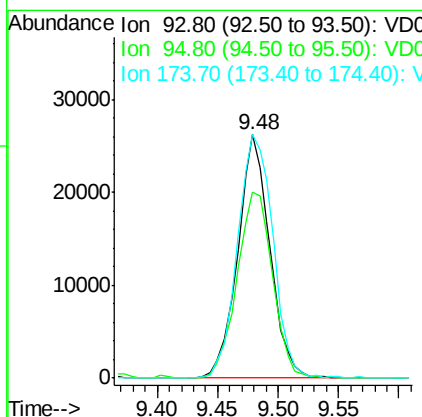
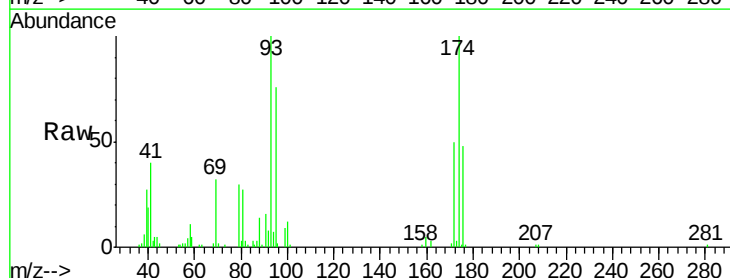
Tgt Ion: 93 Resp: 48665

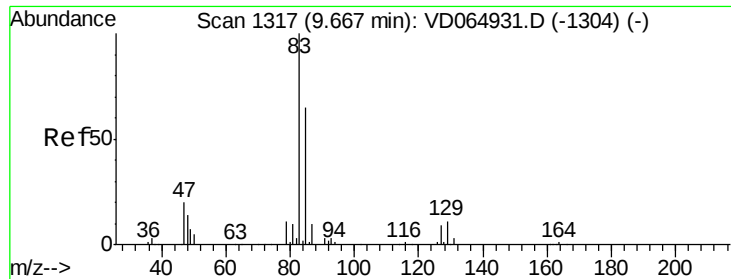
Ion Ratio Lower Upper

93 100

95 84.7 67.5 101.3

174 110.2 88.4 132.6





#47

Bromodichloromethane

Concen: 21.309 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

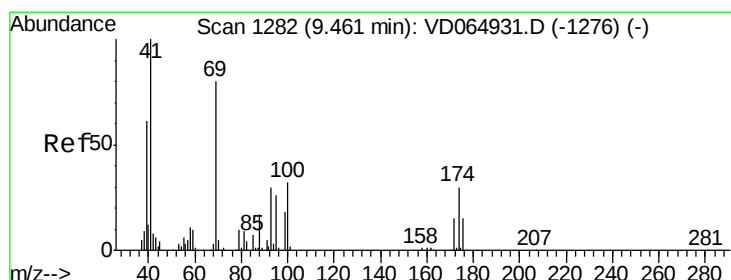
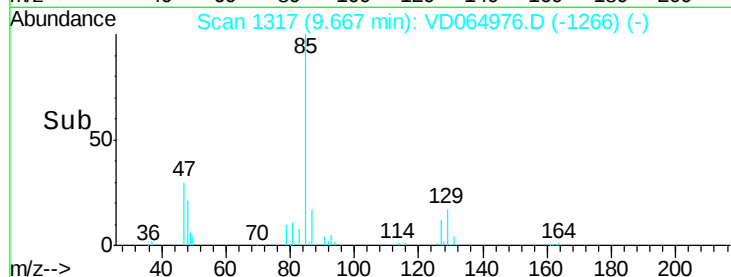
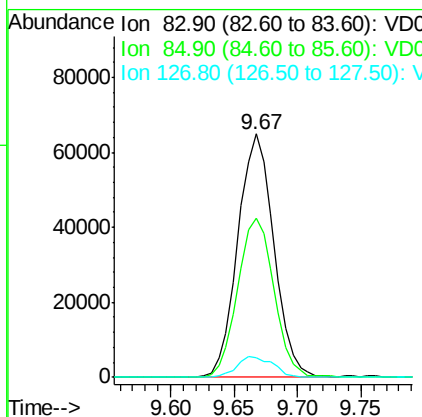
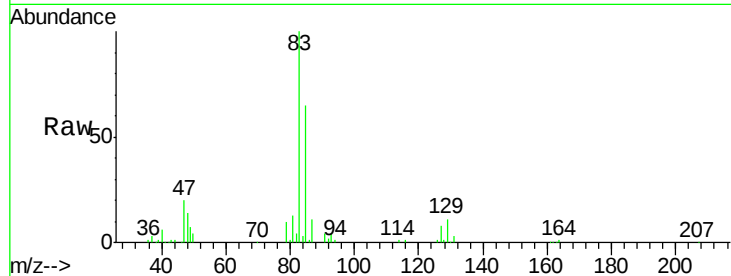
ClientSampleId :

VD0128SBS01

Tot Ion:	83	Resp:	128456
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.0	78.0
127	7.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.527 ug/l

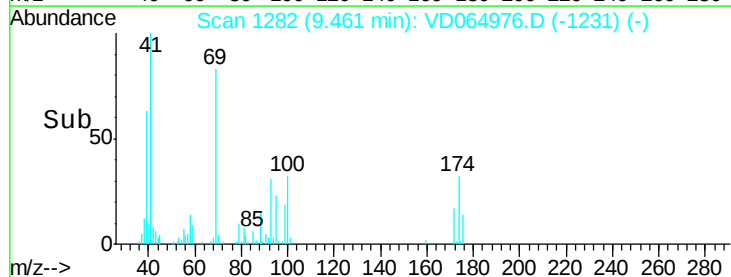
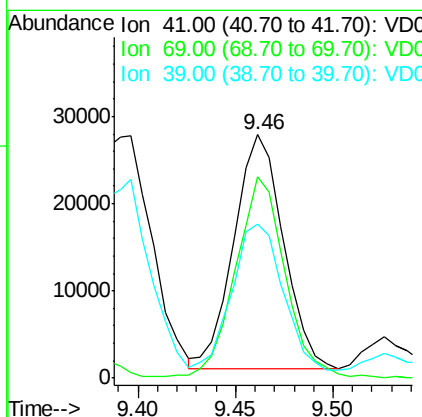
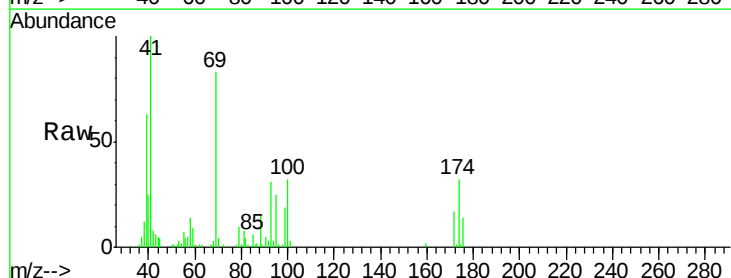
RT: 9.46 min Scan# 1282

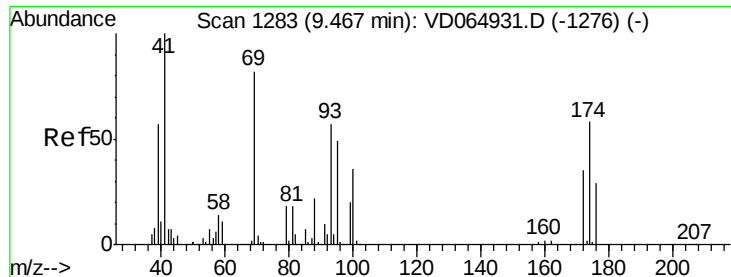
Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	41	Resp:	47104
Ion	Ratio	Lower	Upper
41	100		
69	86.7	65.8	98.8
39	64.7	49.4	74.0





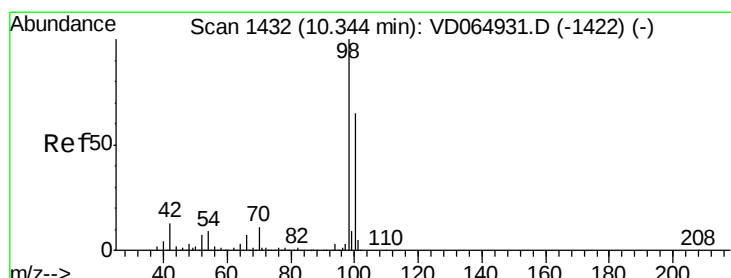
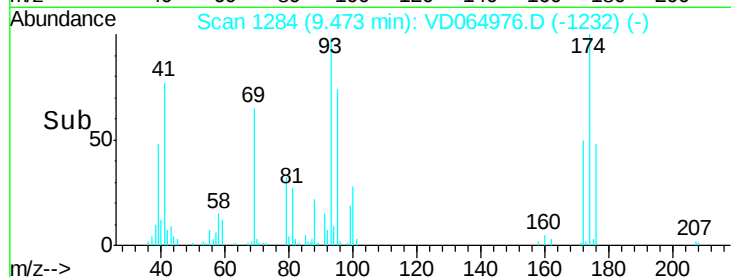
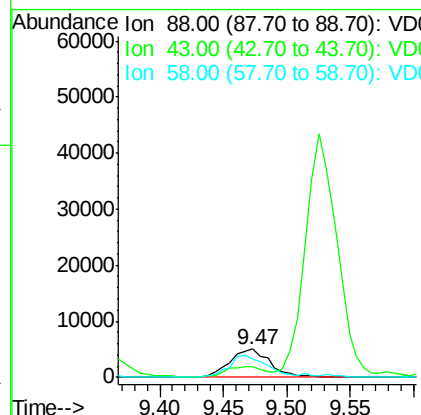
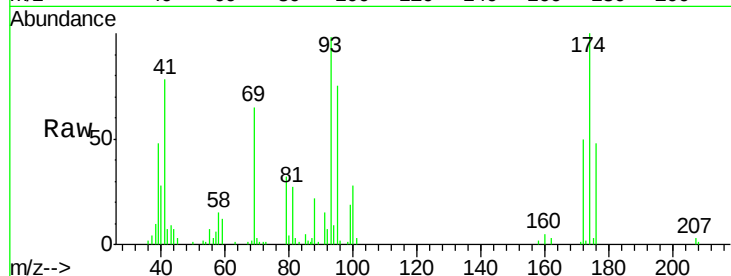
#49
1,4-Dioxane
Concen: 410.335 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	11025		
43	34.9	26.2	39.4	
58	72.8	50.3	75.5	

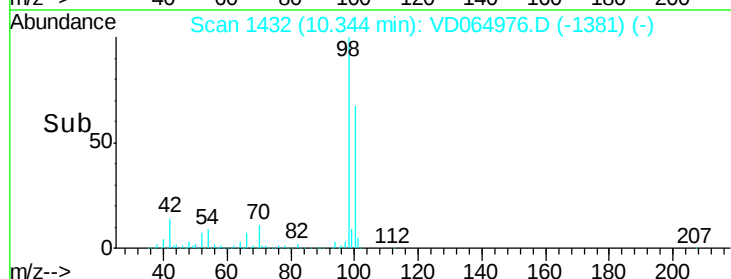
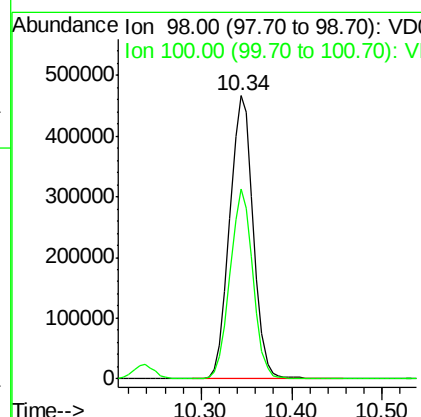
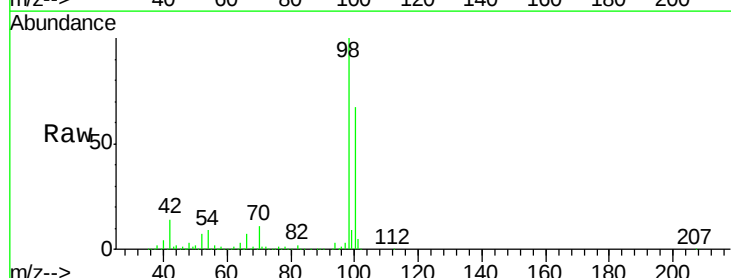
Manual Integrations
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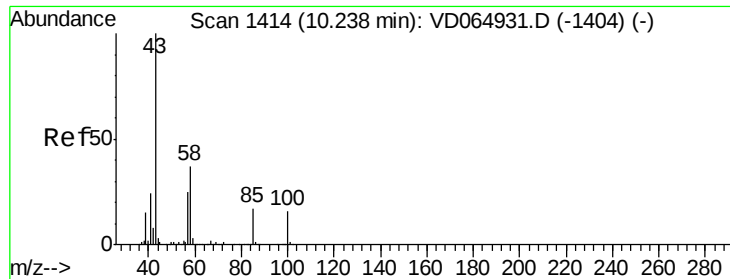
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#50
Toluene-d8
Concen: 52.617 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	841115		
100	65.2	52.3	78.5	





#51

4-Methyl-2-Pentanone

Concen: 104.081 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 43 Resp: 259692

Ion Ratio Lower Upper

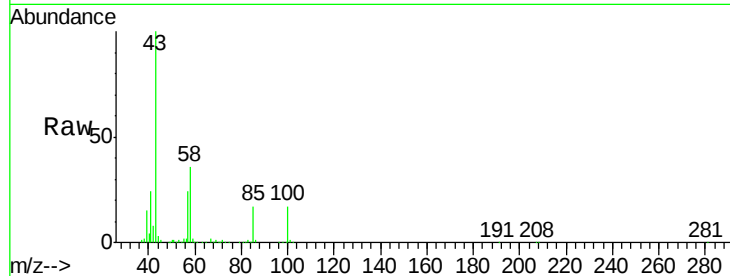
43 100

58 37.2 30.4 45.6

Manual Integrations
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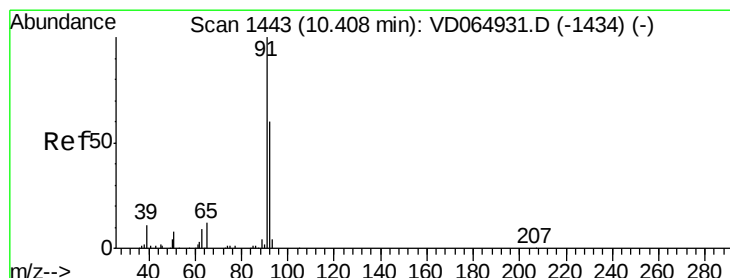
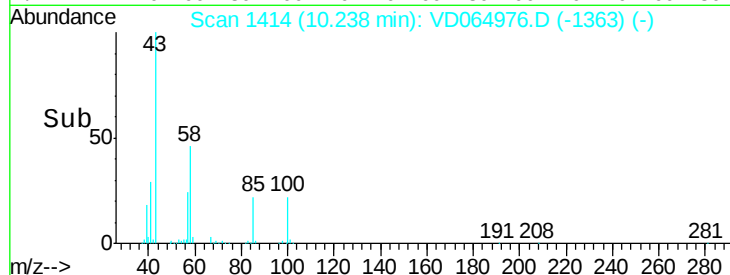
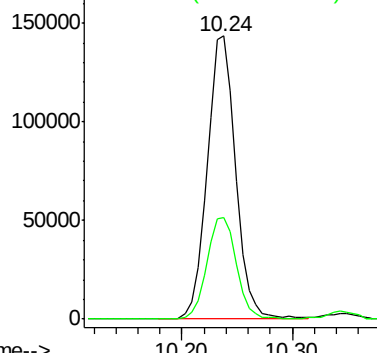
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.220 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064976.D

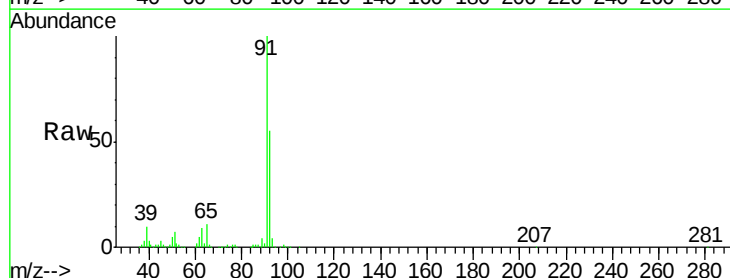
Acq: 28 Jan 2020 13:56

Tgt Ion: 92 Resp: 239465

Ion Ratio Lower Upper

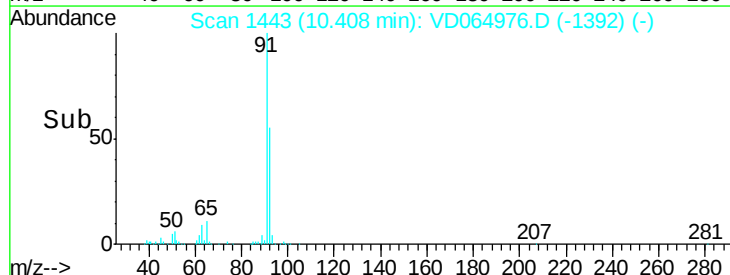
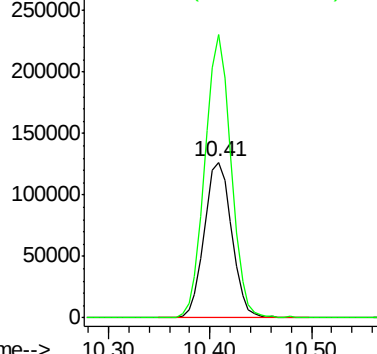
92 100

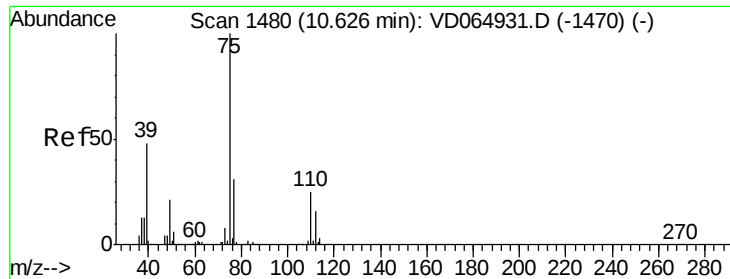
91 172.9 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





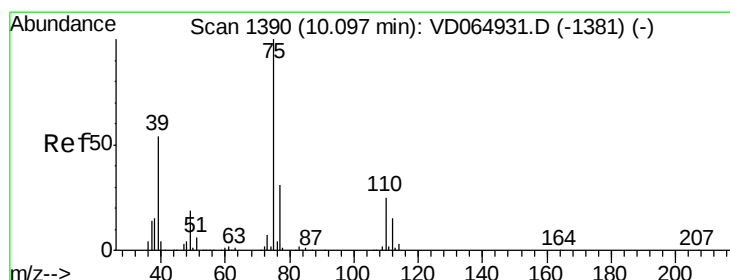
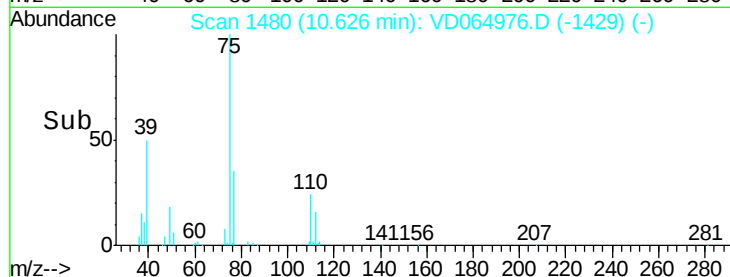
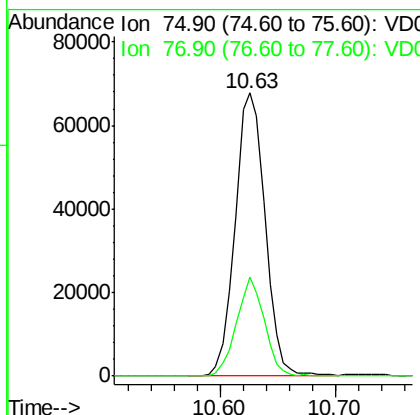
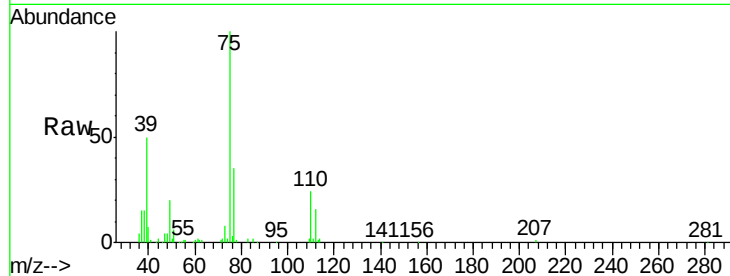
#53
 t-1,3-Dichloropropene
 Concen: 21.200 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.0	37.6

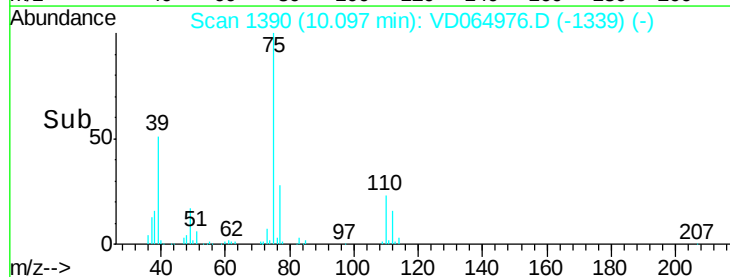
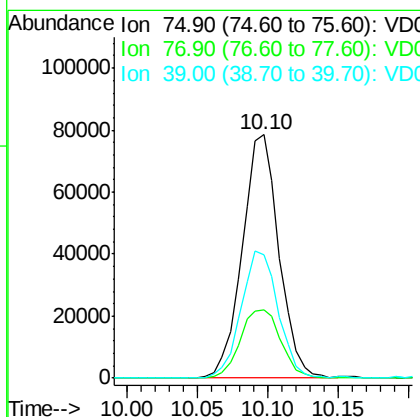
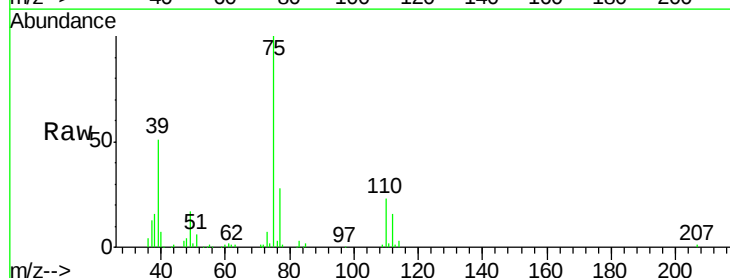
Manual Integrations
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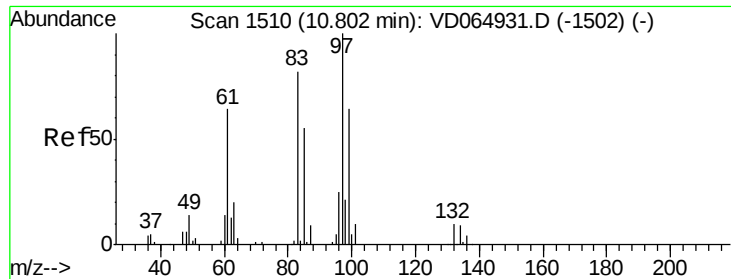
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 21.295 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.2	25.1	37.7
39	50.9	43.0	64.6





#55

1,1,2-Trichloroethane

Concen: 20.812 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

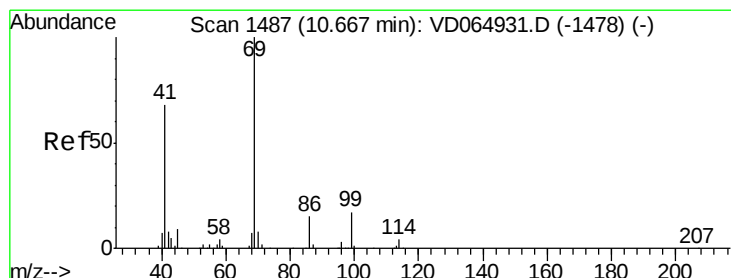
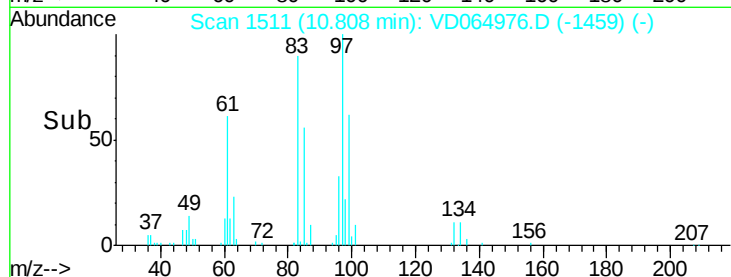
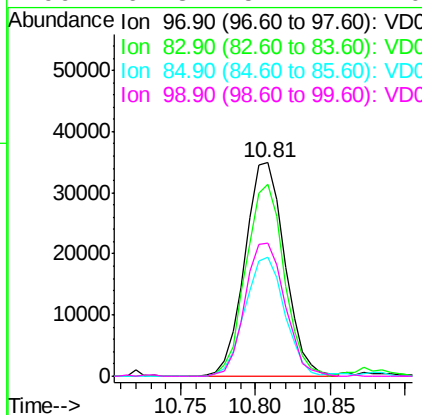
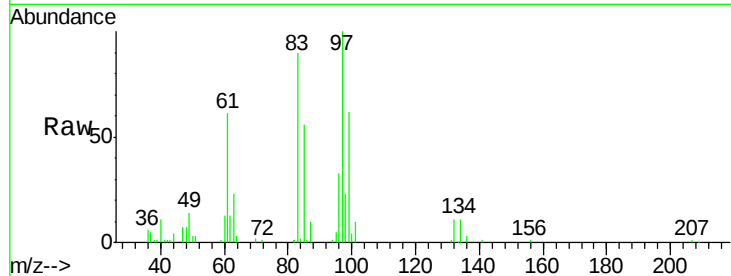
ClientSampleId :

VD0128SBS01

Tot Ion:	97	Resp:	64946
Ion	Ratio	Lower	Upper
97	100		
83	90.0	66.0	99.0
85	55.8	44.4	66.6
99	62.3	51.4	77.0

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#56

Ethyl methacrylate

Concen: 20.550 ug/l

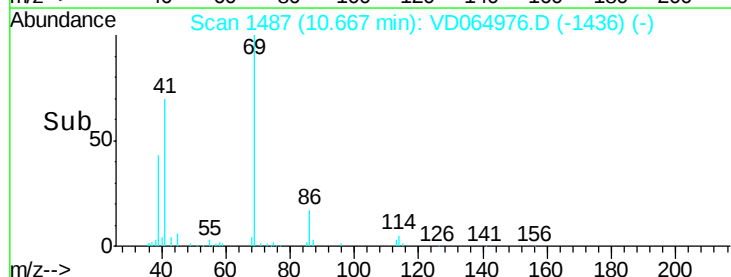
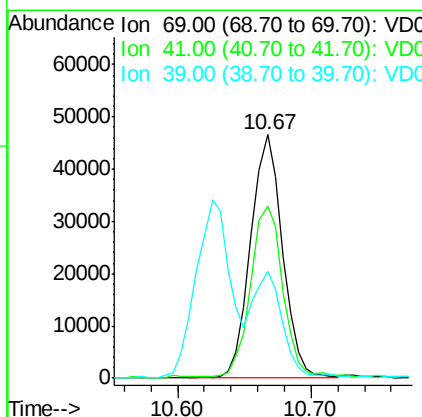
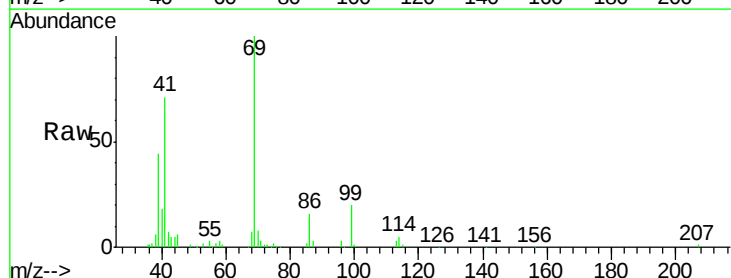
RT: 10.67 min Scan# 1487

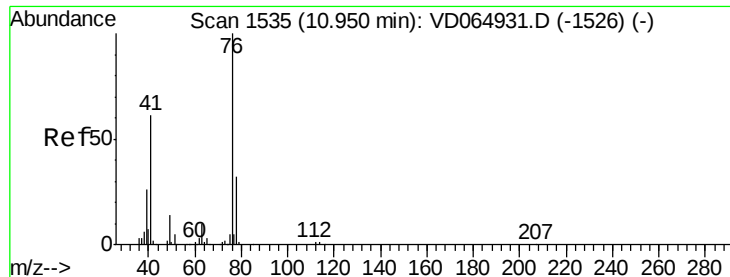
Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	69	Resp:	76684
Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.4	84.6
39	41.2	30.6	46.0





#57

1,3-Dichloropropane

Concen: 21.324 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 76 Resp: 114132

Ion Ratio Lower Upper

76 100

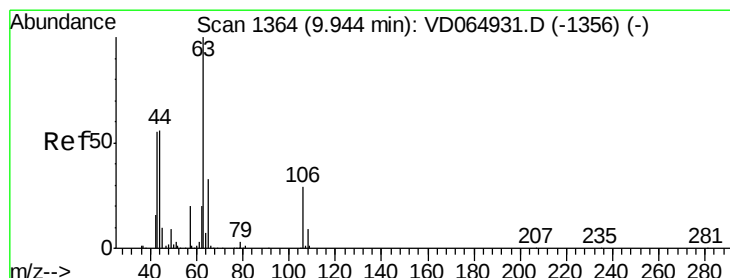
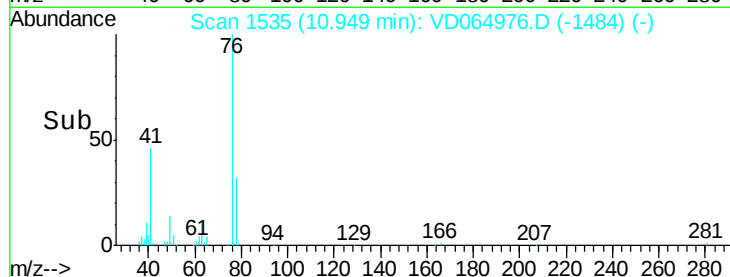
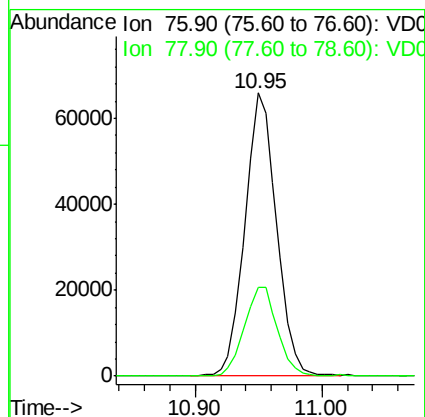
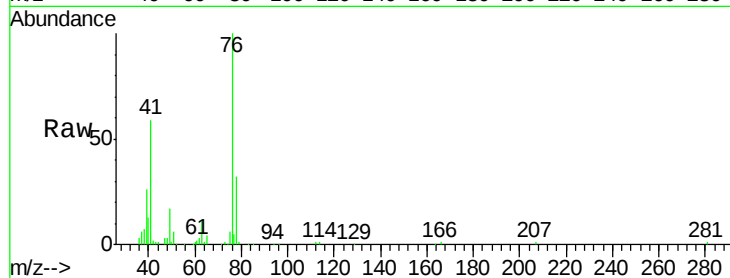
78 33.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.178 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064976.D

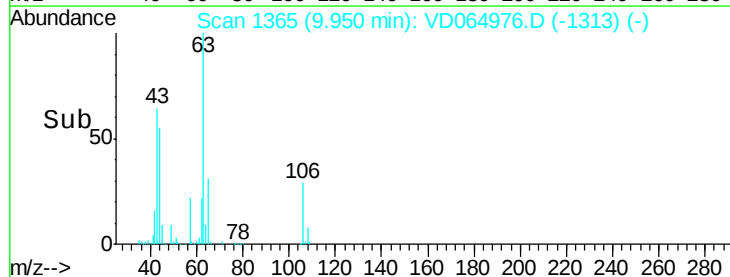
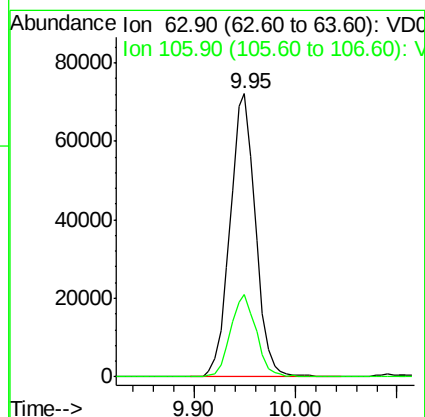
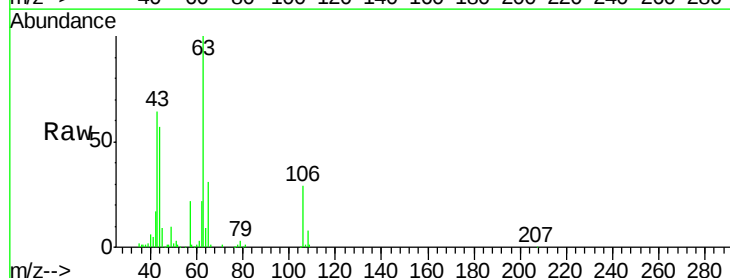
Acq: 28 Jan 2020 13:56

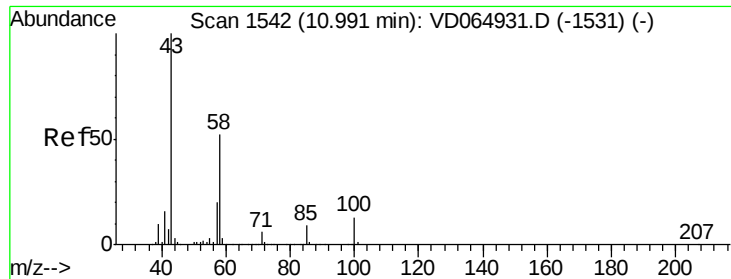
Tgt Ion: 63 Resp: 125434

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.4





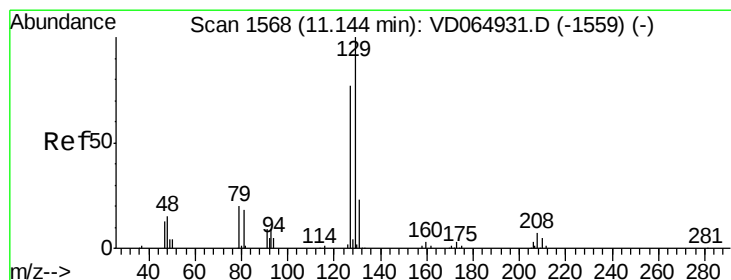
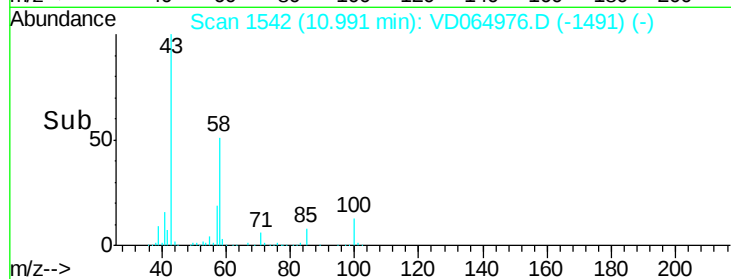
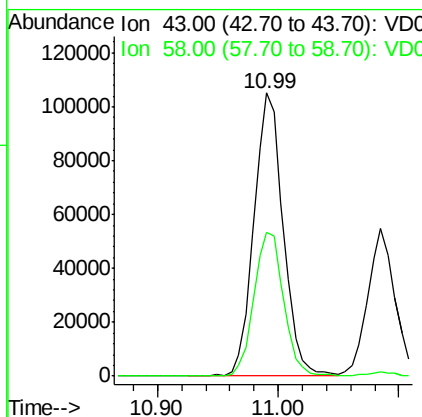
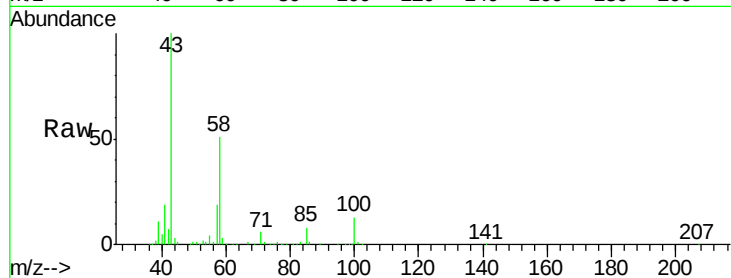
#59
2-Hexanone
Concen: 103.017 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBSD01

Tot Ion: 43 Resp: 177298
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4

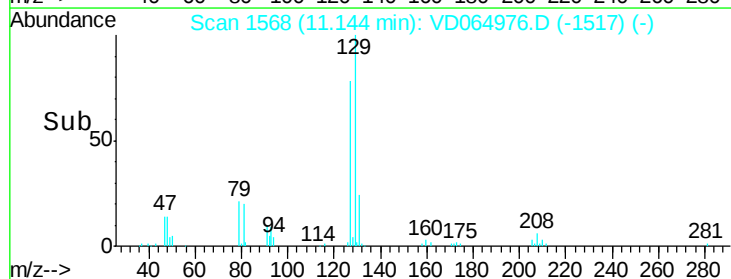
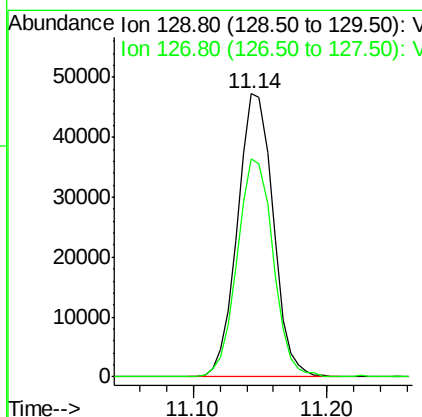
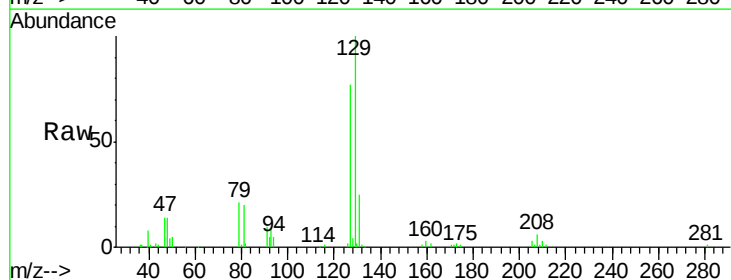
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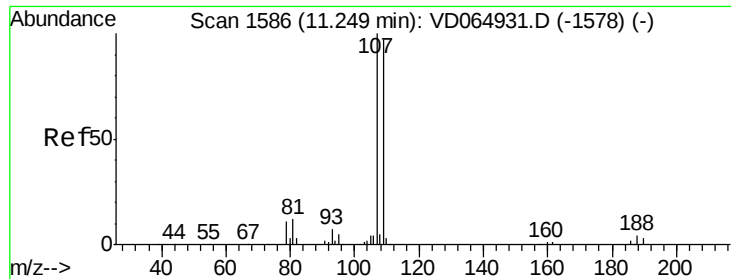
MMDadoda
1/29/2020 12:55:59 PM



#60
Dibromochloromethane
Concen: 21.025 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion: 129 Resp: 87689
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6





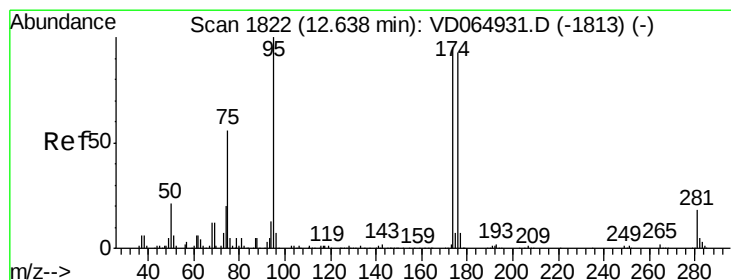
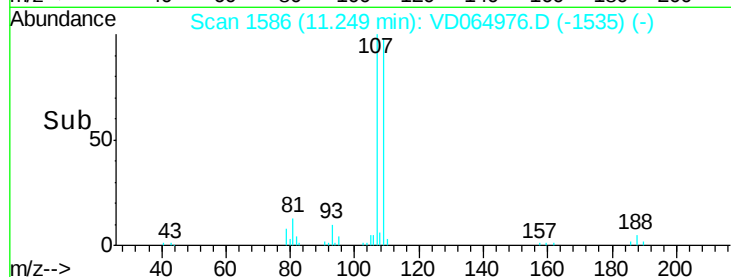
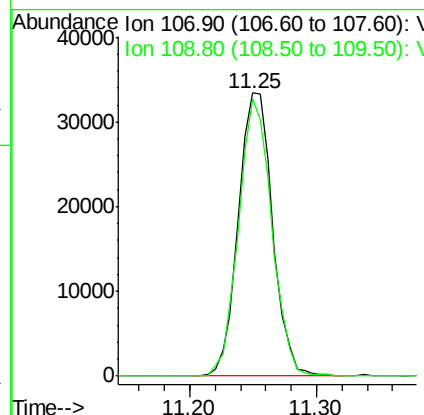
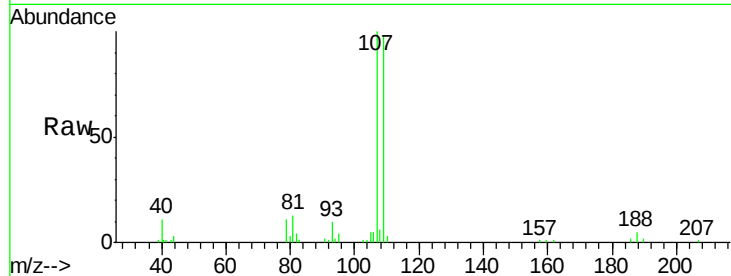
#61
1,2-Dibromoethane
Concen: 20.732 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBSD01

Tot Ion:107 Resp: 62294
Ion Ratio Lower Upper
107 100
109 95.1 77.1 115.7

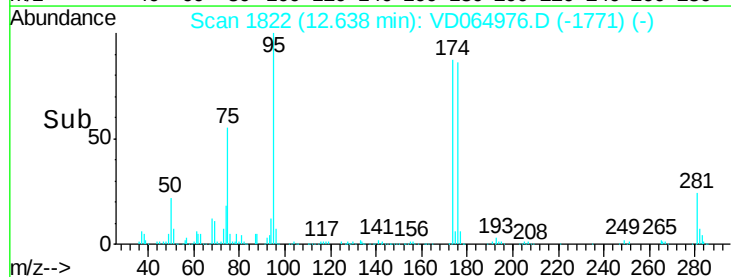
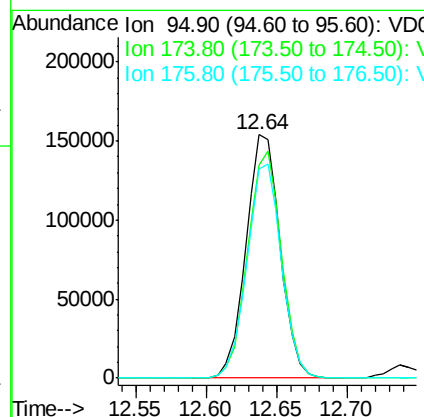
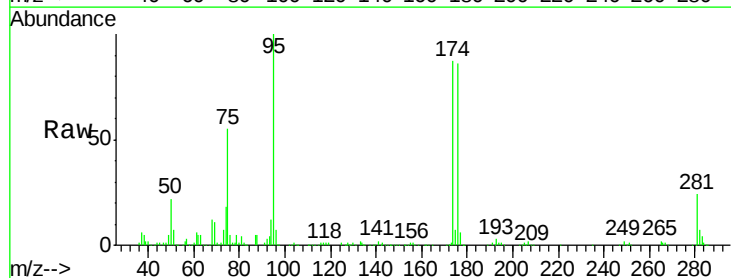
Manual Integrations
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1/29/2020 12:55:59 PM



#62
4-Bromofluorobenzene
Concen: 53.228 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion: 95 Resp: 260386
Ion Ratio Lower Upper
95 100
174 92.6 0.0 186.8
176 88.5 0.0 183.4





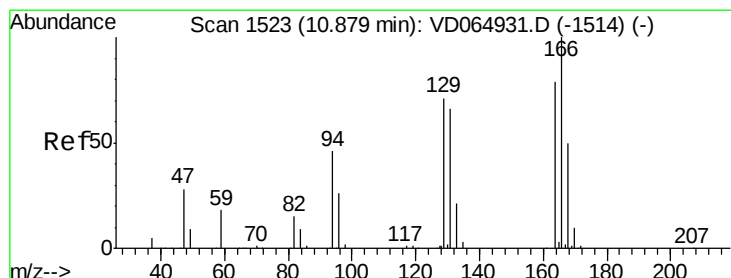
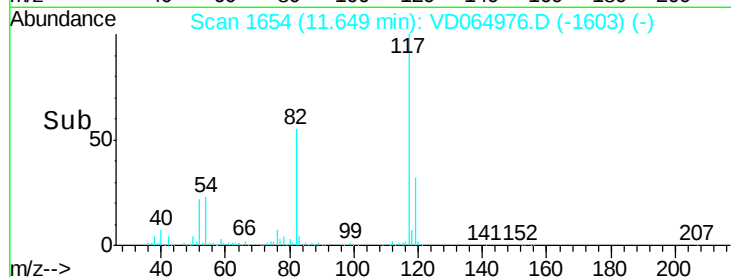
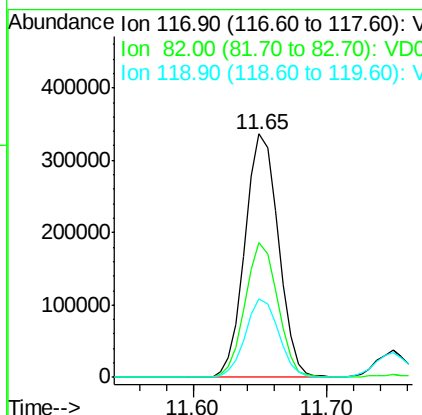
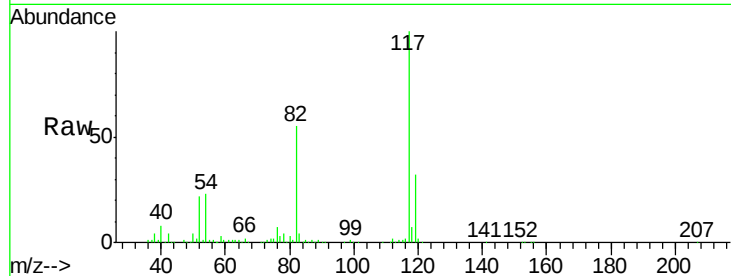
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.6	65.4
119	32.2	25.2	37.8

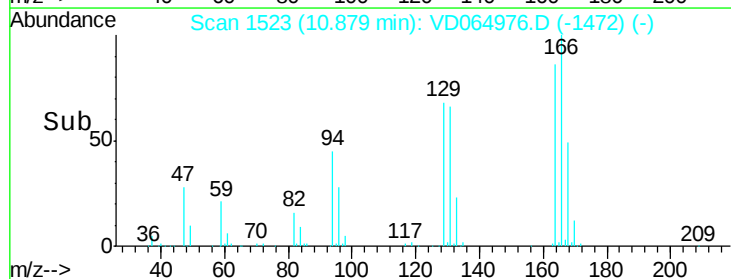
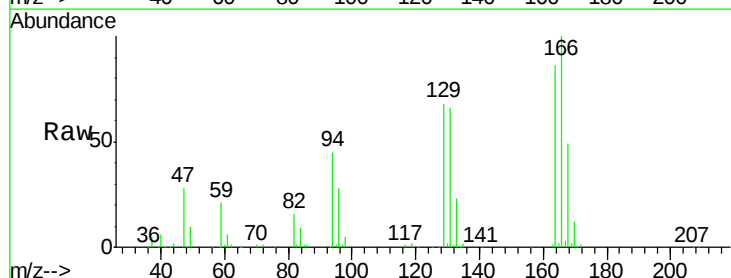
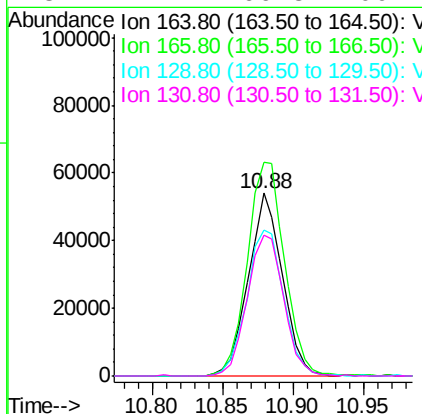
Manual Integrations
APPROVED

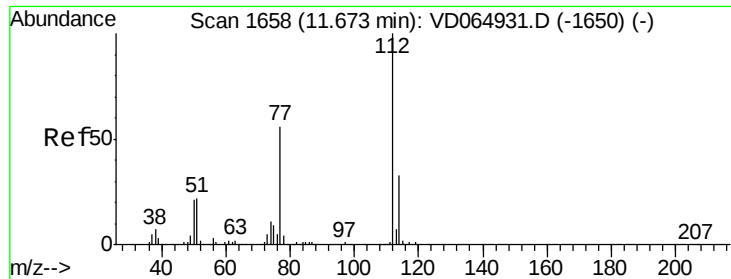
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#64
Tetrachloroethene
Concen: 21.711 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.9	101.4	152.2
129	79.8	71.8	107.8
131	77.1	66.8	100.2





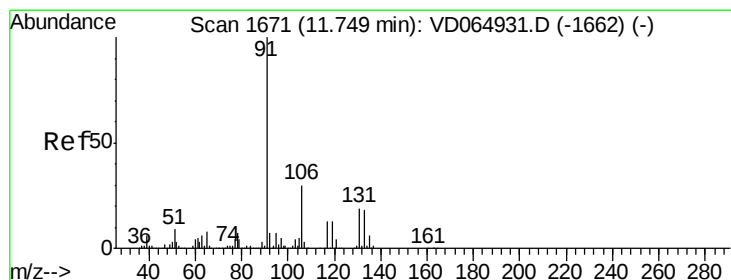
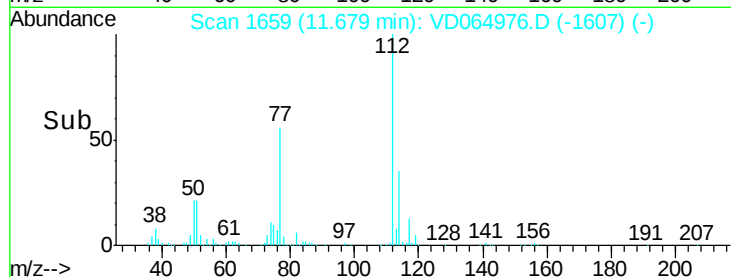
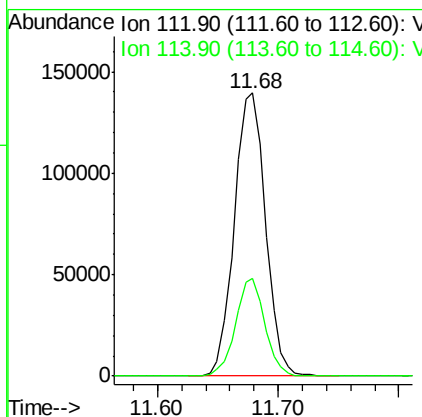
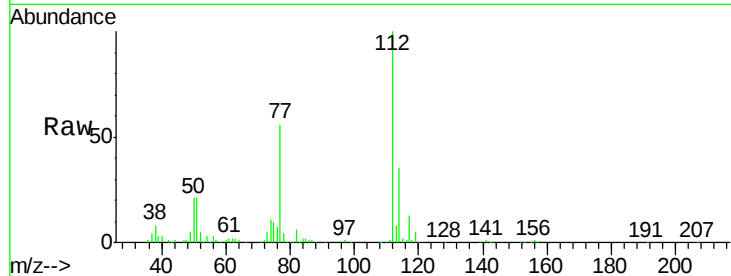
#65
Chlorobenzene
Concen: 21.222 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.7	26.2	39.4

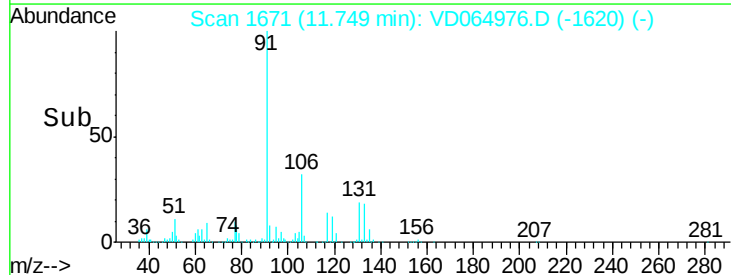
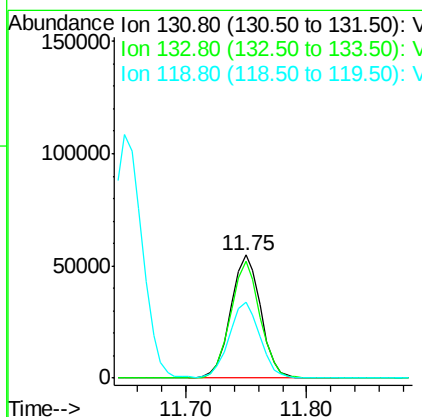
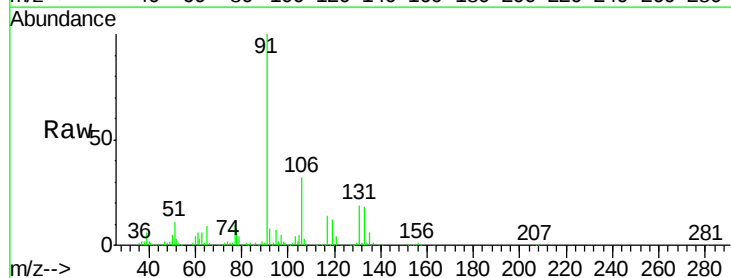
Manual Integrations
APPROVED

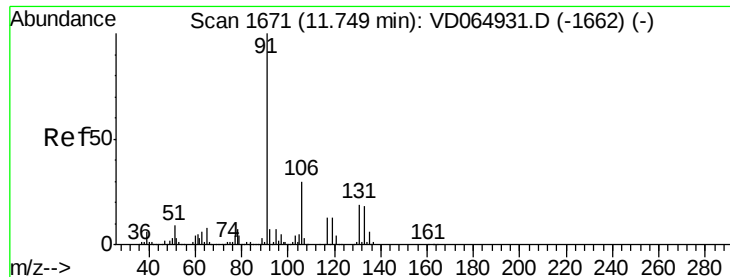
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.309 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.5	142.5
119	63.0	31.1	93.5





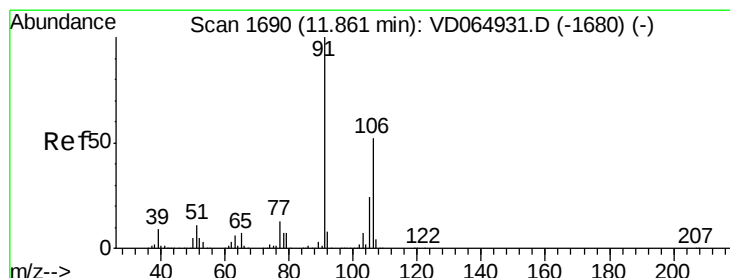
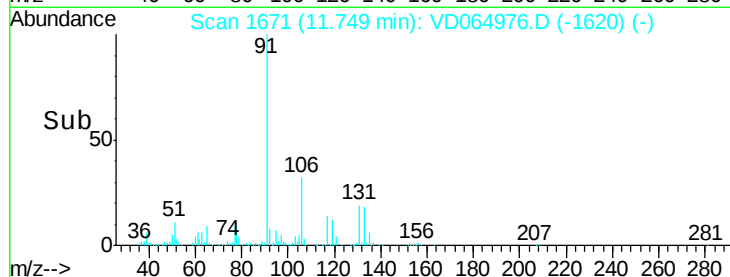
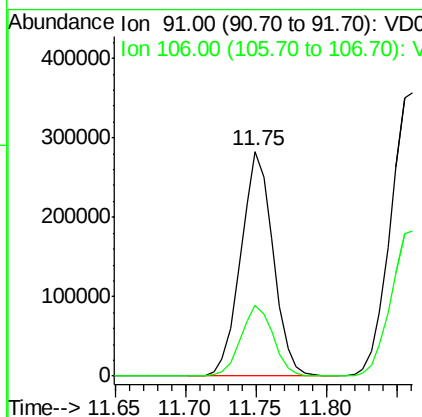
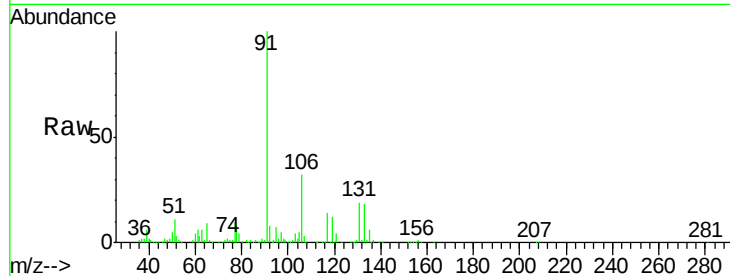
#67
Ethyl Benzene
Concen: 21.595 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion: 91 Resp: 454561
Ion Ratio Lower Upper
91 100
106 31.8 24.3 36.5

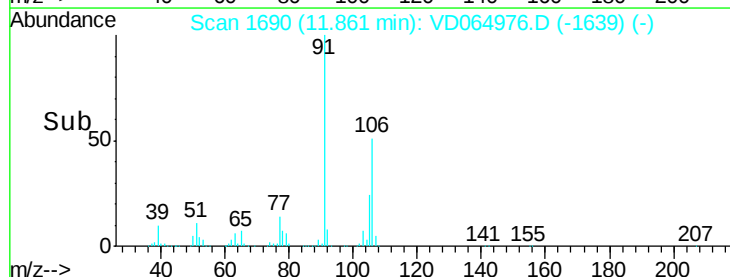
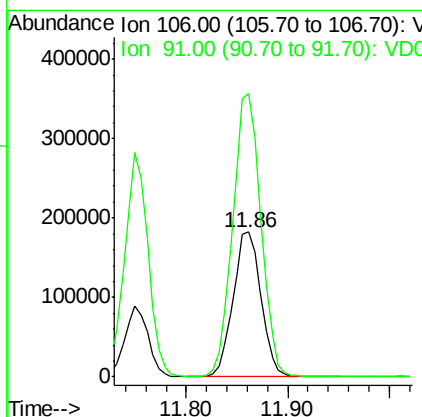
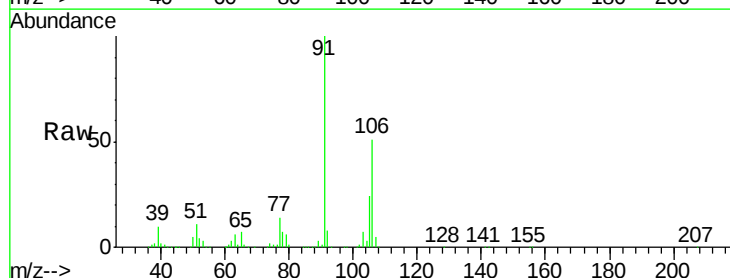
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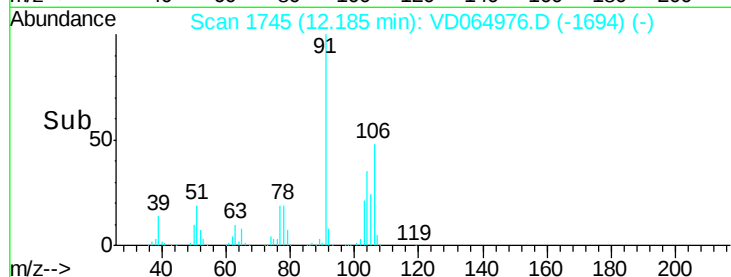
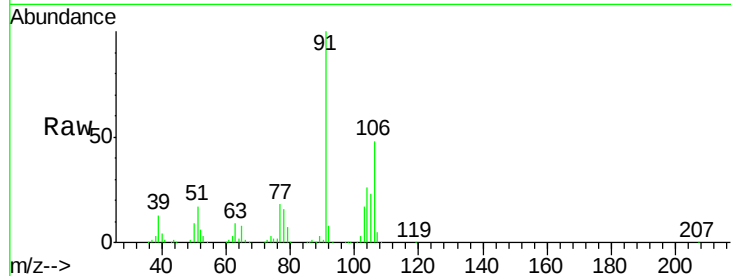
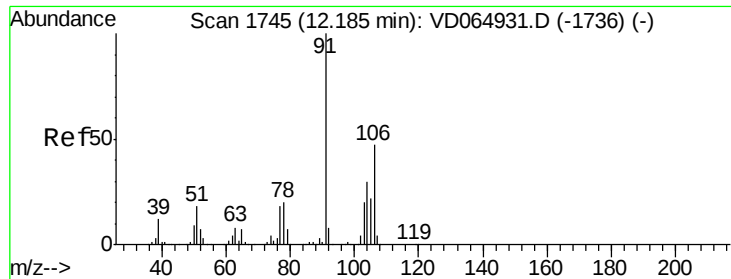
MMDadoda
1/29/2020 12:55:59 PM



#68
m/p-Xylenes
Concen: 43.079 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion: 106 Resp: 349125
Ion Ratio Lower Upper
106 100
91 197.3 159.0 238.4





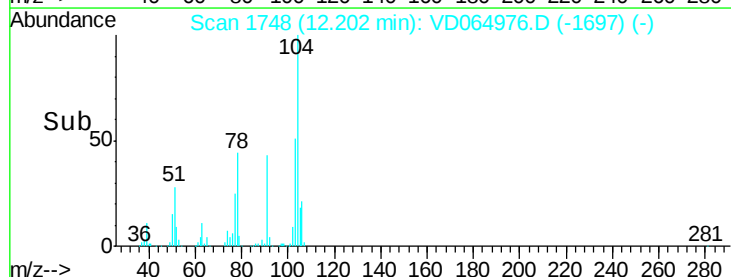
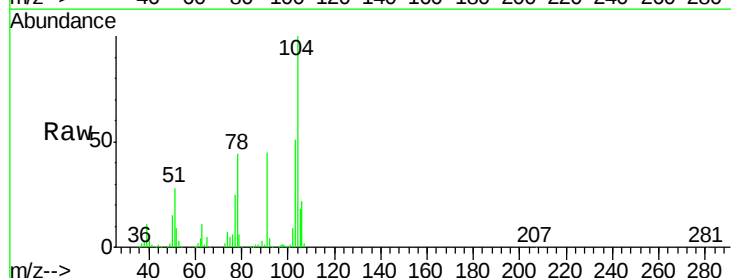
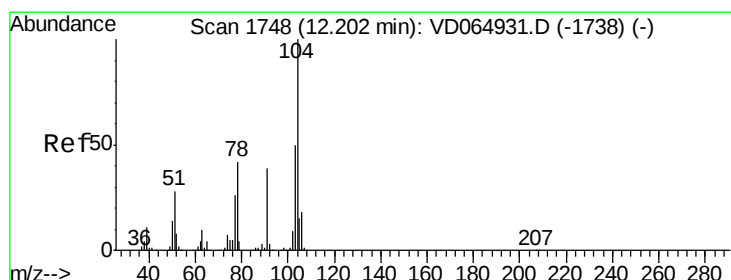
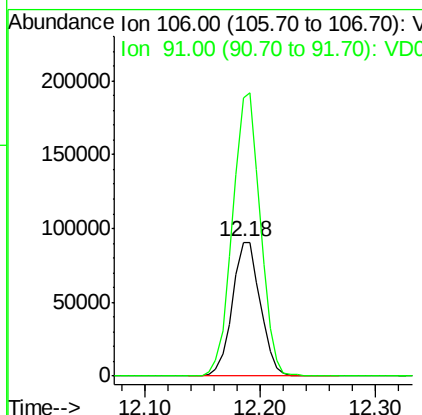
#69
o-Xylene
Concen: 21.265 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tot Ion:106 Resp: 152950
Ion Ratio Lower Upper
106 100
91 209.8 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

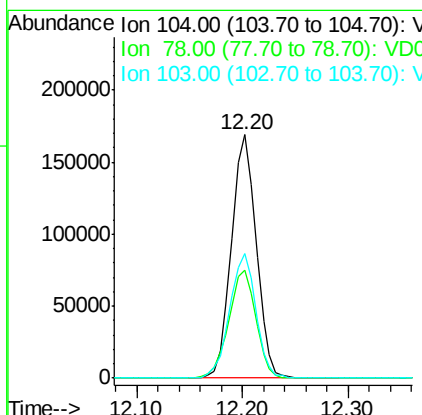
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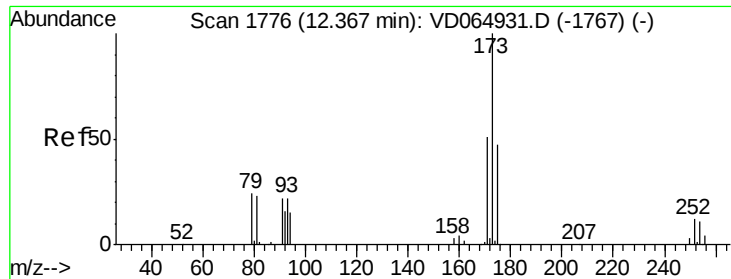
MMDadoda
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#70
Styrene
Concen: 21.344 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion:104 Resp: 273477
Ion Ratio Lower Upper
104 100
78 48.7 38.3 57.5
103 54.2 43.5 65.3





#71

Bromoform

Concen: 21.426 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

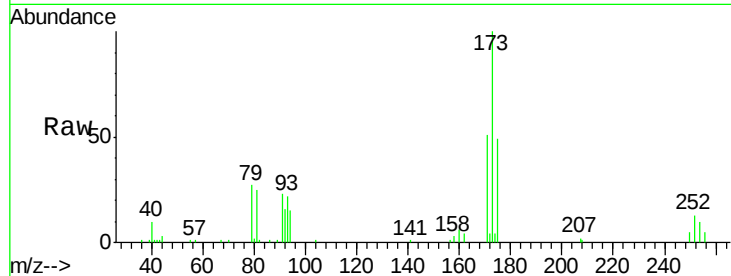
ClientSampleId :

VD0128SBSD01

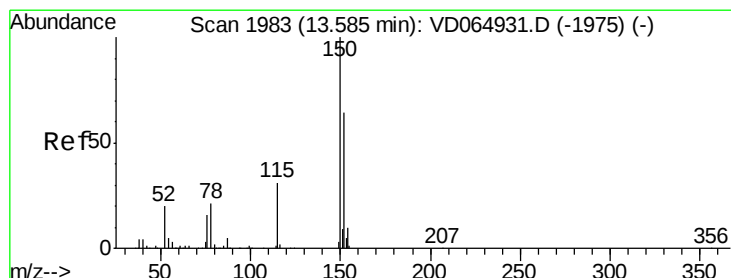
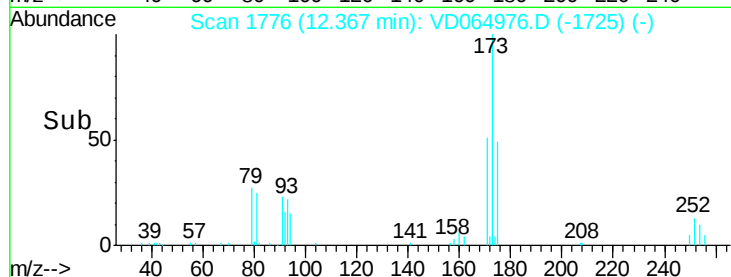
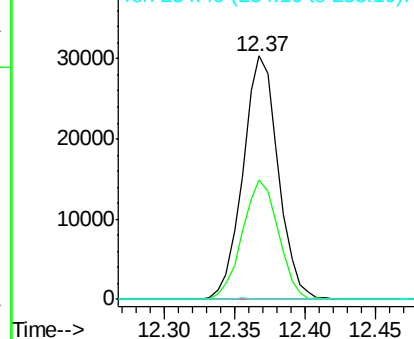
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	73.8
254	0.1	0.1	0.1

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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

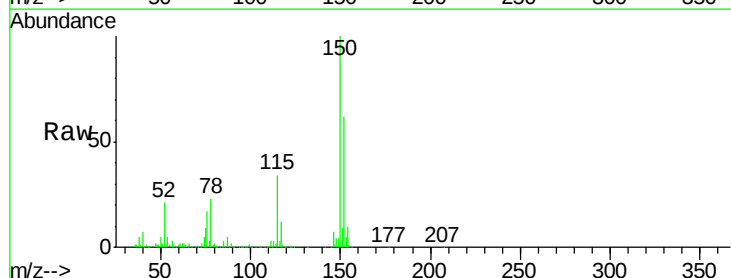
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

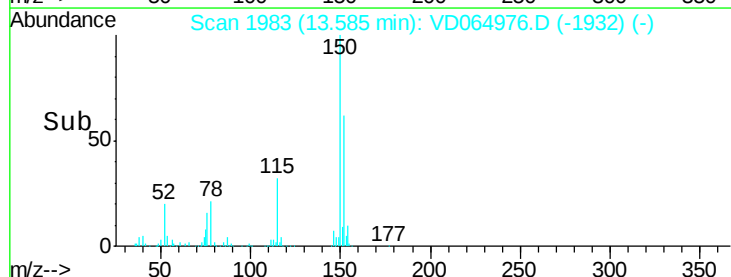
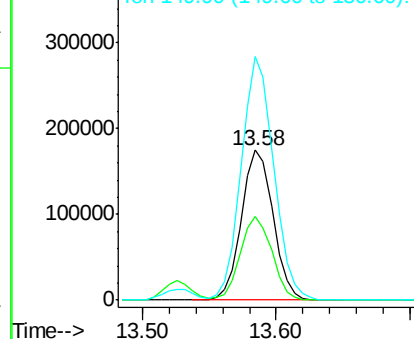
Lab File: VD064976.D

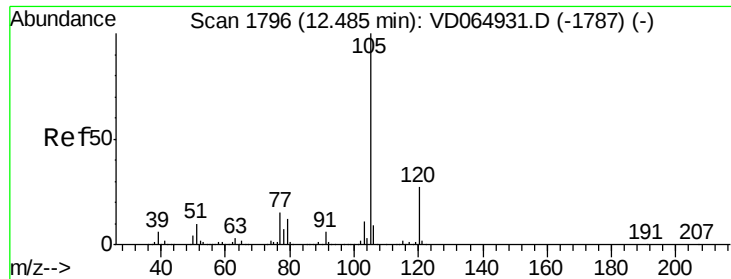
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.4
150	166.4	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: 21.546 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 105 Resp: 422623

Ion Ratio Lower Upper

105 100

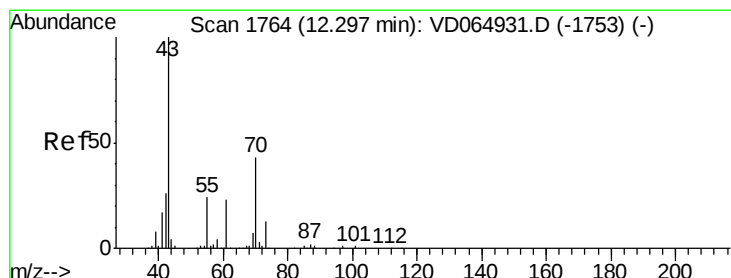
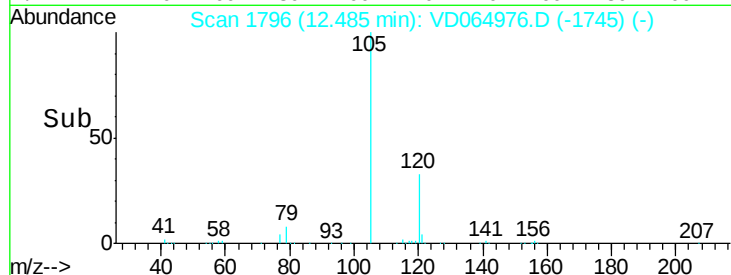
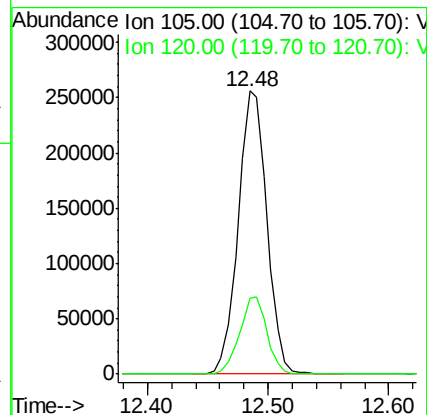
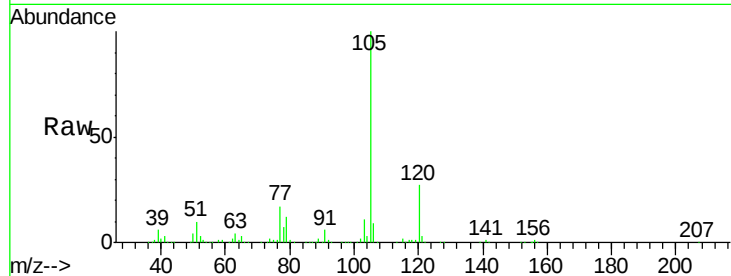
120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.601 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion: 43 Resp: 90422

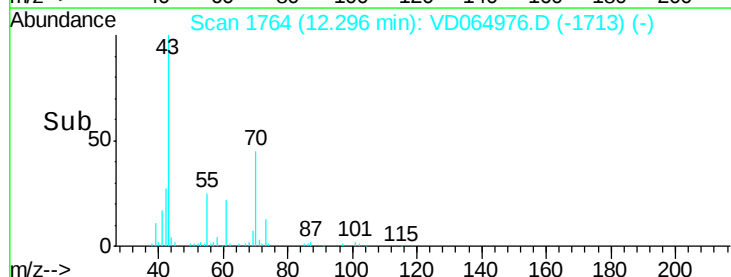
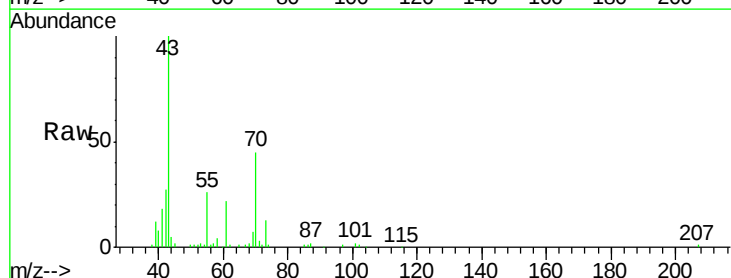
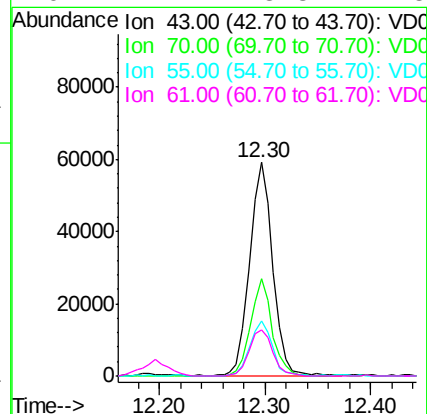
Ion Ratio Lower Upper

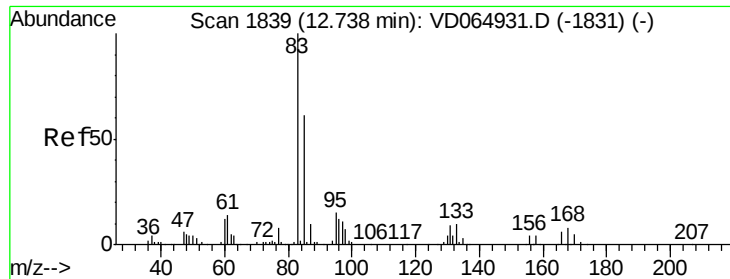
43 100

70 42.1 32.6 49.0

55 24.9 19.9 29.9

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.410 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

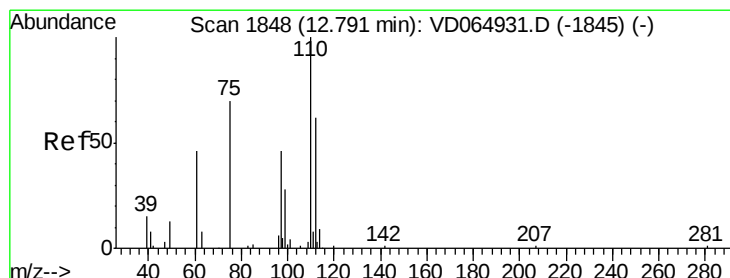
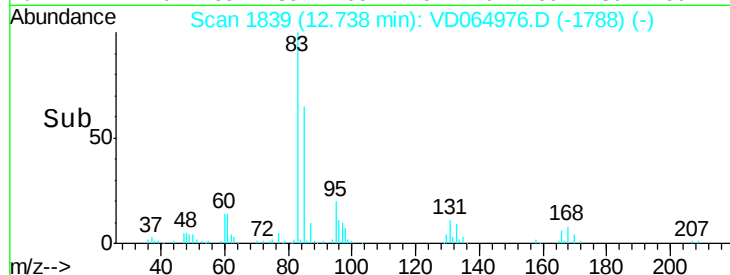
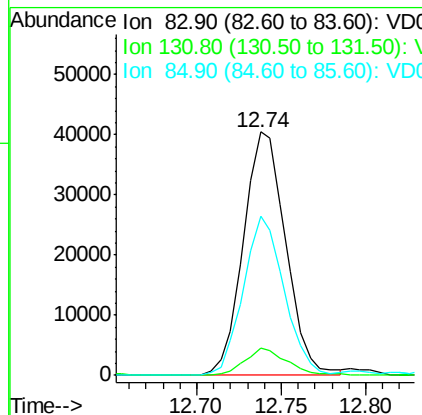
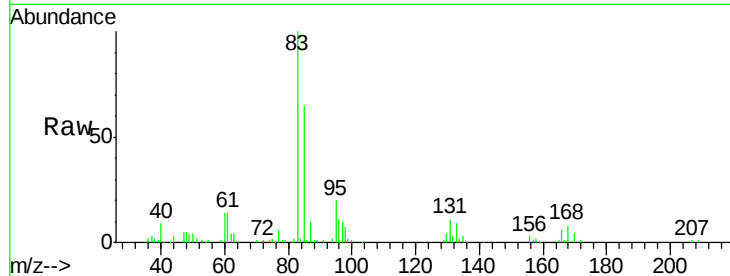
ClientSampleId :

VD0128SBS01

Tot Ion:	83	Resp:	70580
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	62.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.725 ug/l m

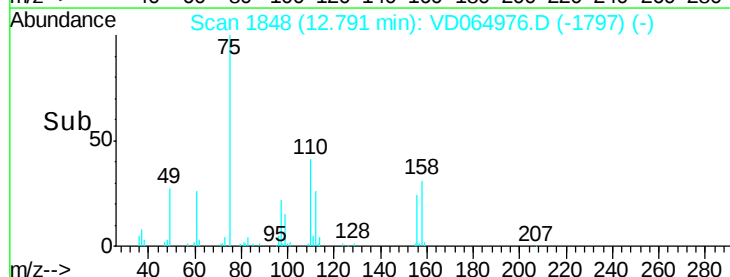
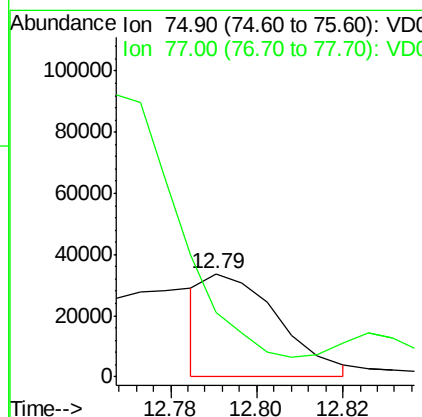
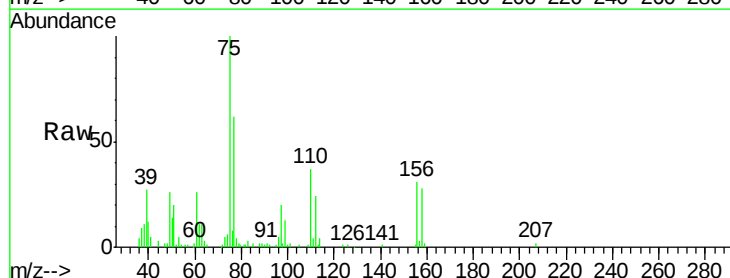
RT: 12.79 min Scan# 1848

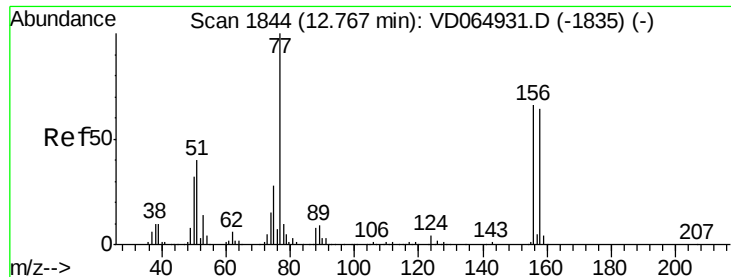
Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	75	Resp:	39838
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.750 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

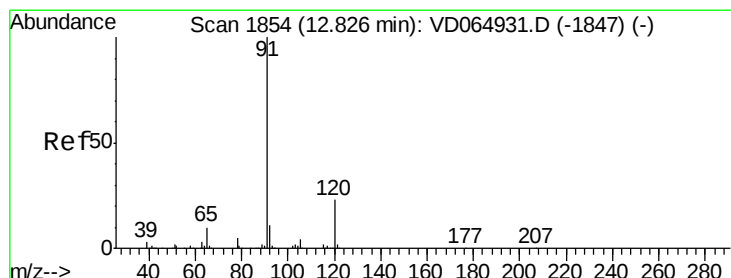
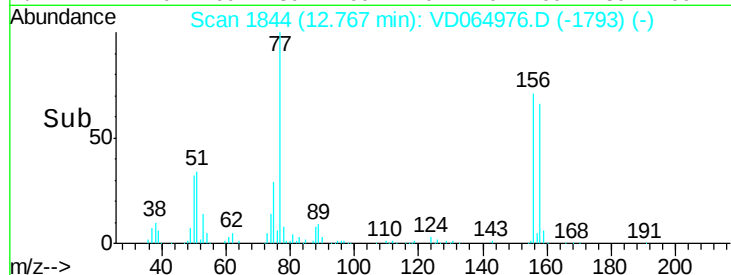
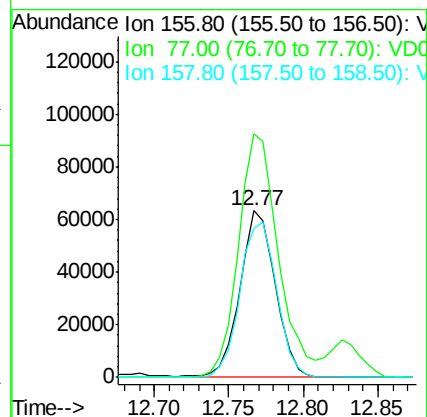
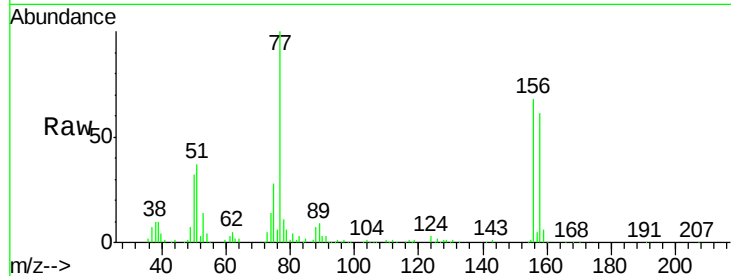
ClientSampleId :

VD0128SBS01

Tot Ion:	156	Resp:	104384
Ion Ratio	Lower	Upper	
156	100		
77	164.8	84.2	252.5
158	96.6	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.656 ug/l

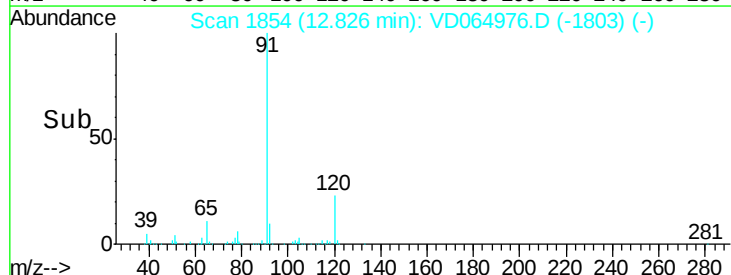
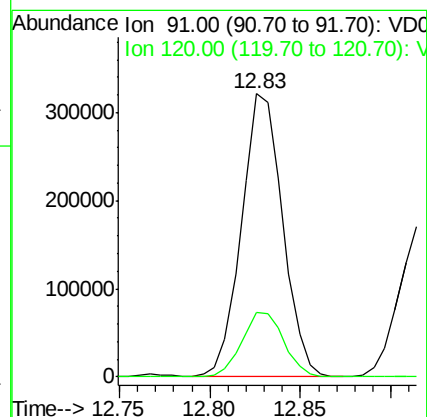
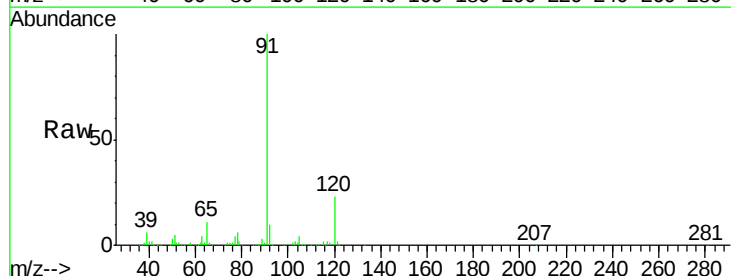
RT: 12.83 min Scan# 1854

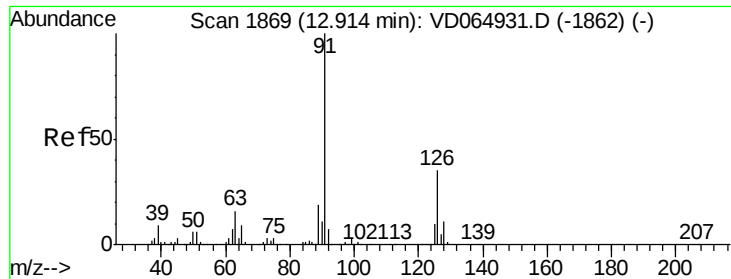
Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	91	Resp:	505151
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 22.157 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion: 91 Resp: 283532

Ion Ratio Lower Upper

91 100

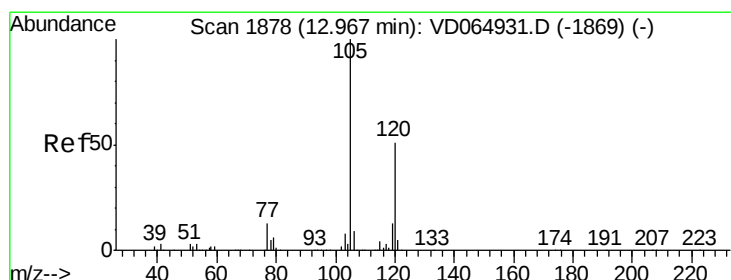
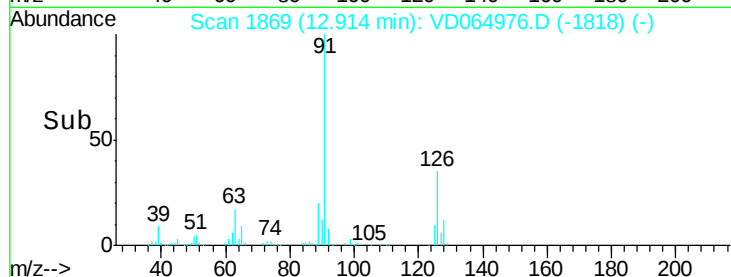
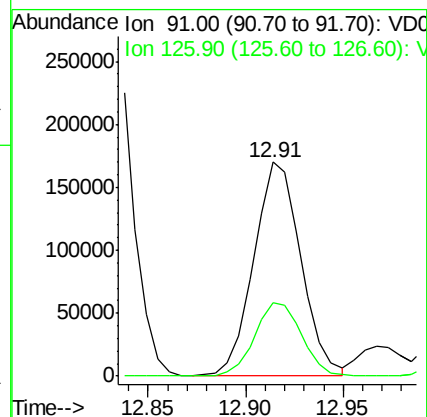
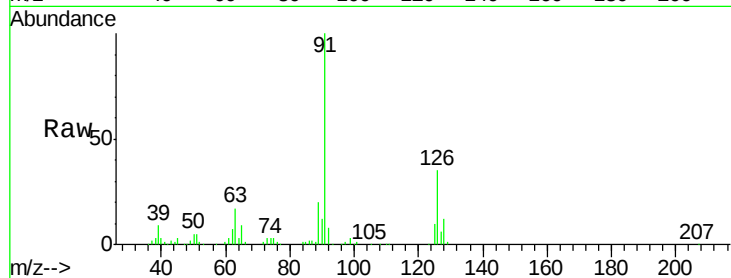
126 34.4 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.860 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064976.D

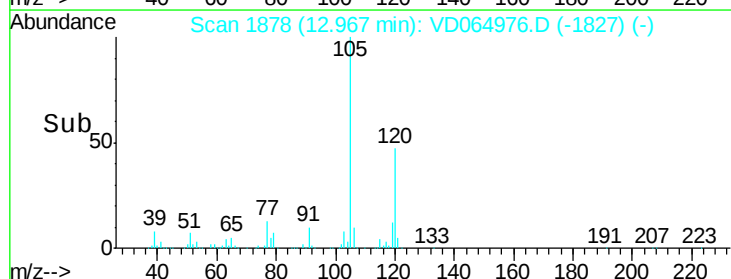
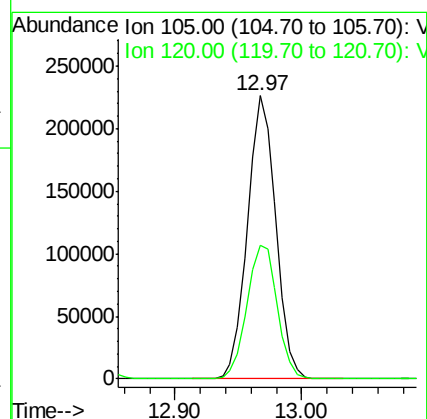
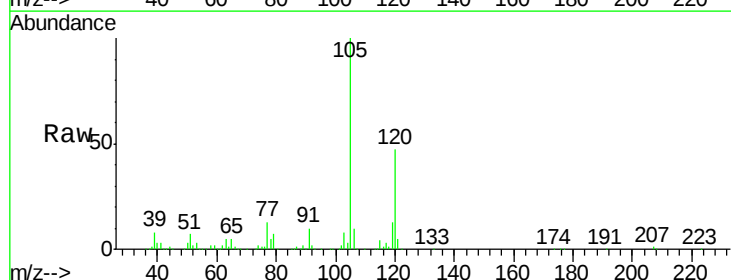
Acq: 28 Jan 2020 13:56

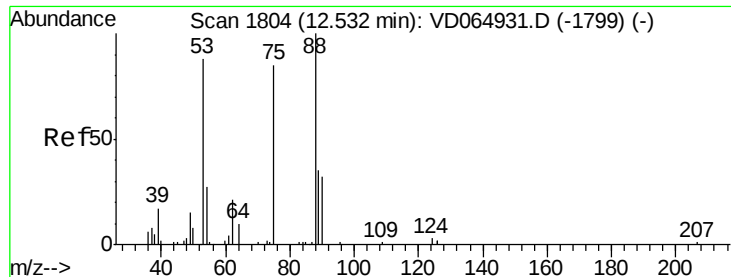
Tgt Ion: 105 Resp: 351377

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.620 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

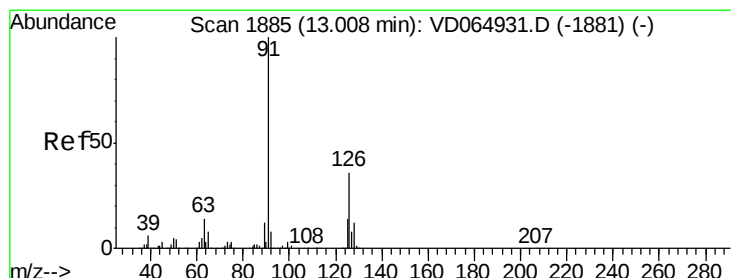
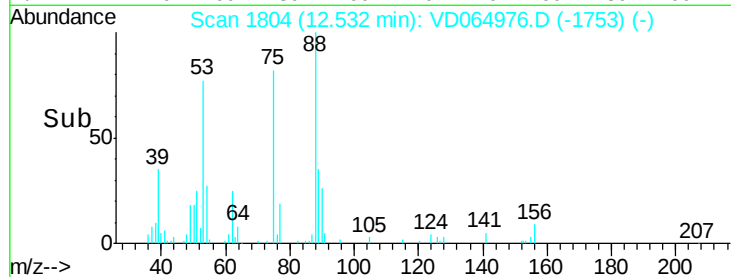
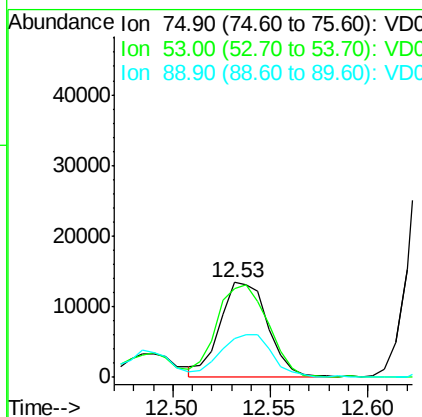
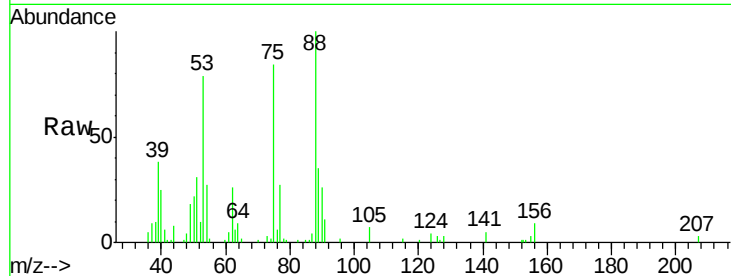
ClientSampleId :

VD0128SBS01

Tot Ion:	75	Resp:	23002
Ion	Ratio	Lower	Upper
75	100		
53	104.0	81.0	121.4
89	48.3	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.887 ug/l

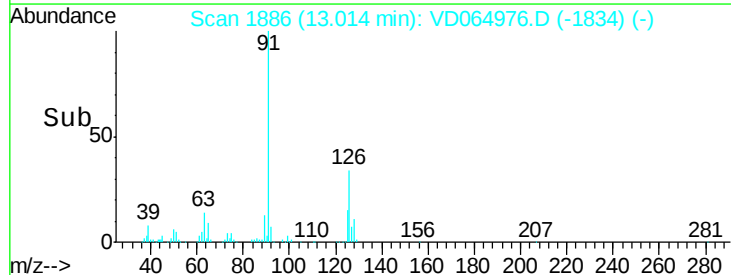
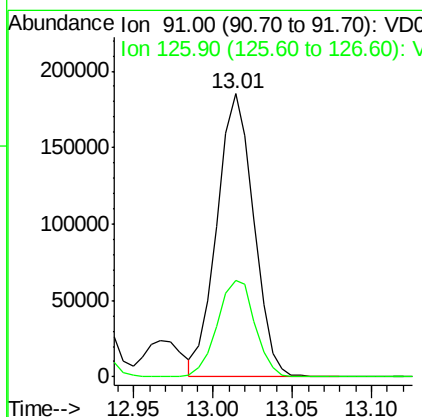
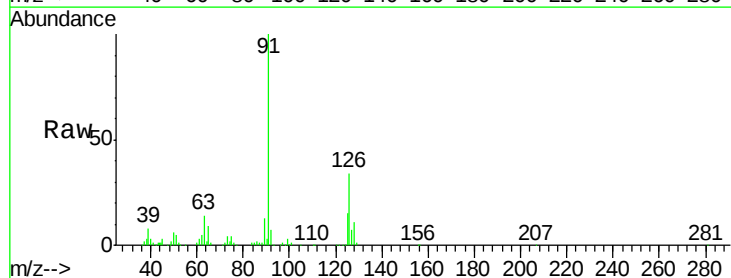
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	91	Resp:	297022
Ion	Ratio	Lower	Upper
91	100		
126	35.2	18.0	54.0





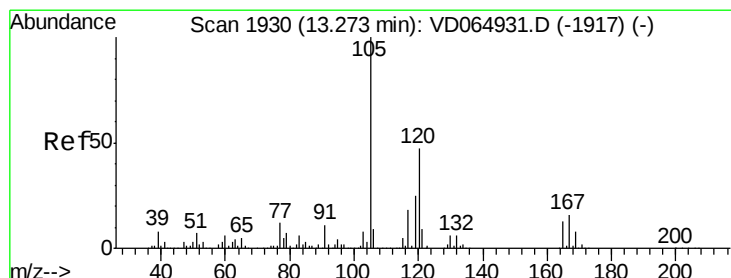
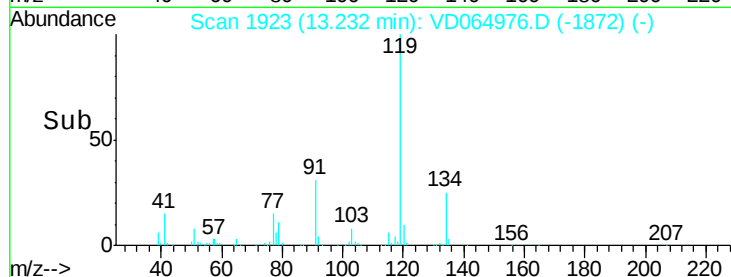
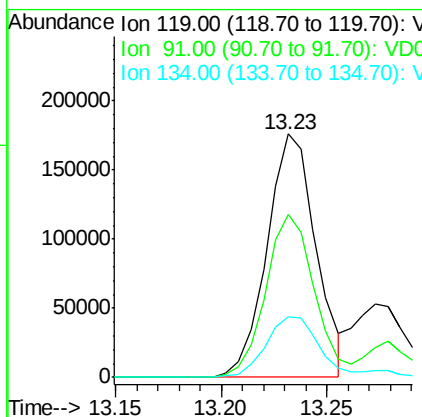
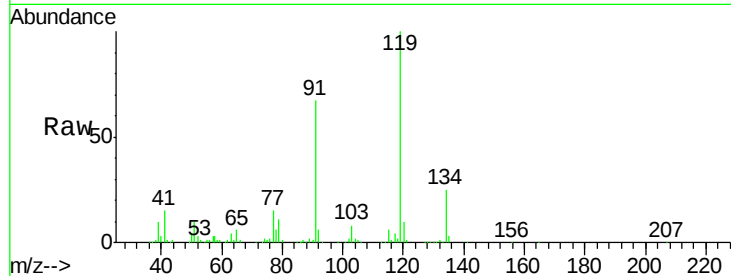
#83
tert-Butylbenzene
Concen: 20.822 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284026		
91	66.8		32.0	96.0
134	28.7		13.9	41.6

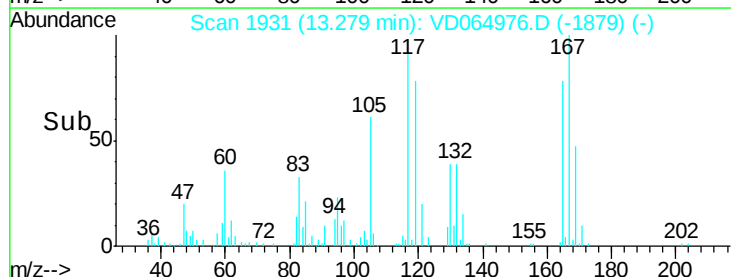
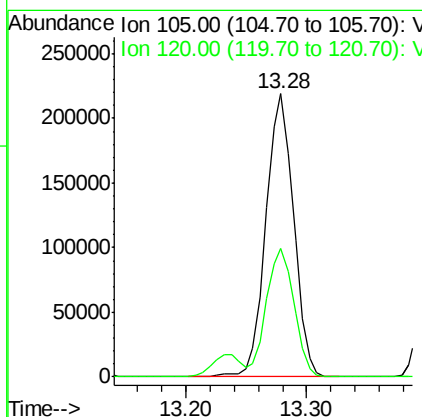
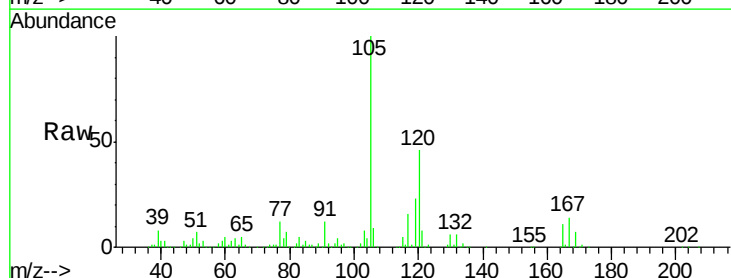
Manual Integrations
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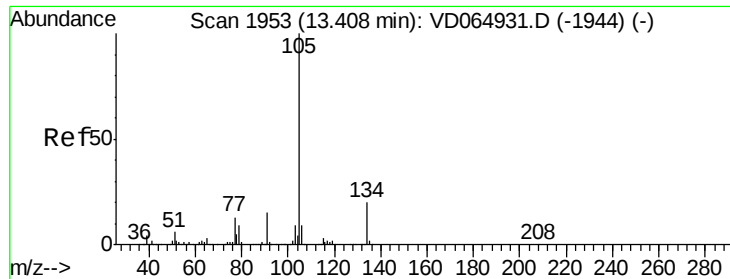
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#84
1,2,4-Trimethylbenzene
Concen: 21.346 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347577		
120	45.6		23.1	69.3





#85

sec-Butylbenzene

Concen: 21.499 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

VD0128SBS01

Tot Ion:105 Resp: 415231

Ion Ratio Lower Upper

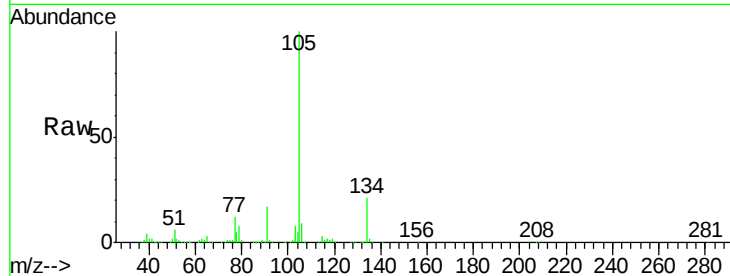
105 100

134 20.4 10.4 31.4

Manual Integrations
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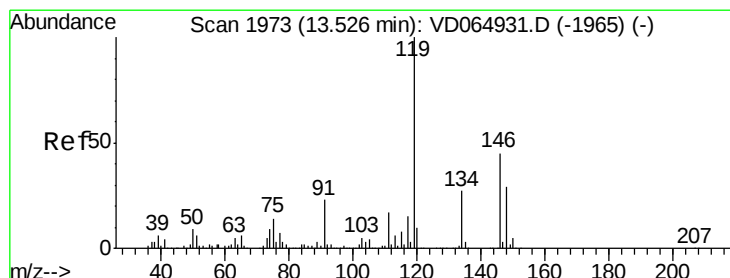
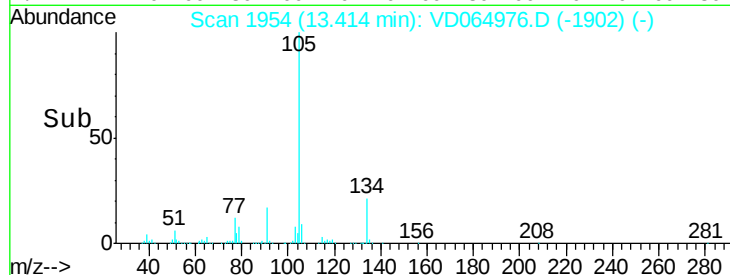
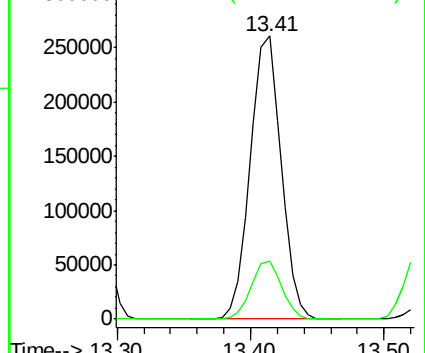
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.364 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

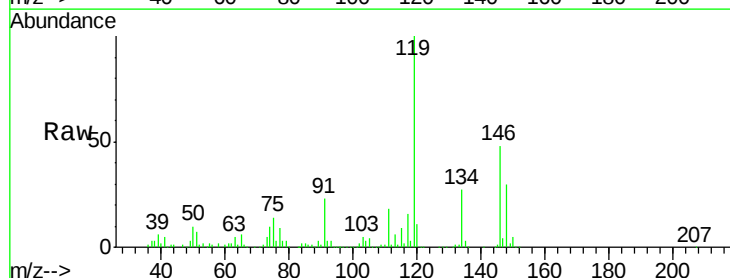
Tgt Ion:119 Resp: 386124

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

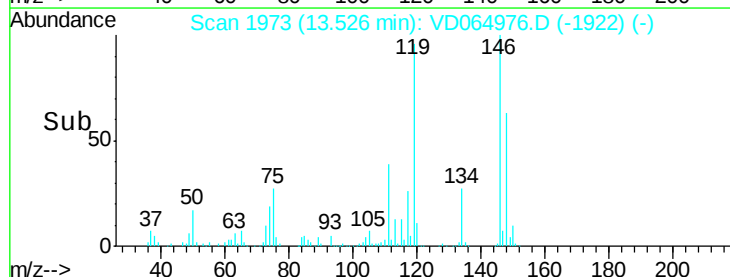
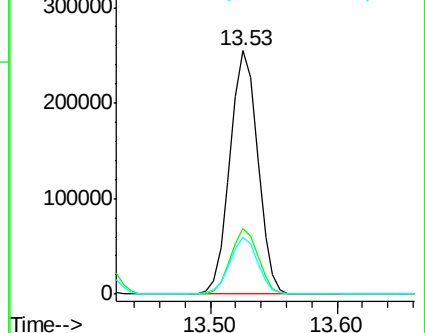
91 23.1 11.4 34.2

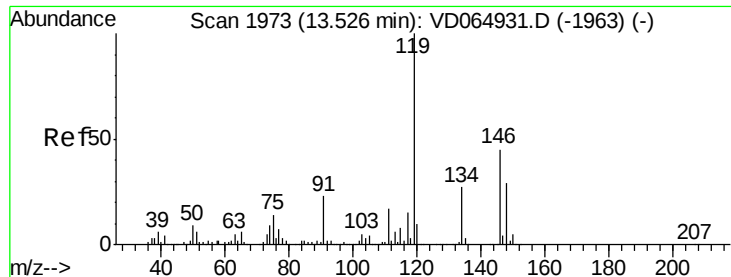


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.364 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Instrument :

MSVOA_D

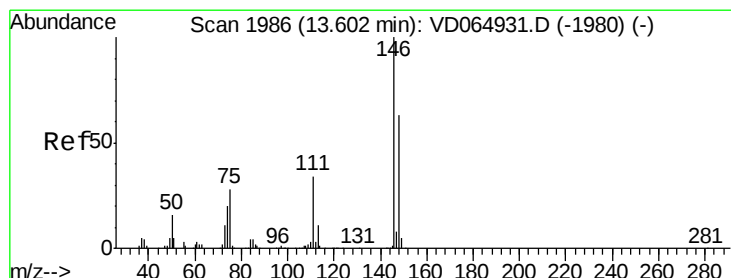
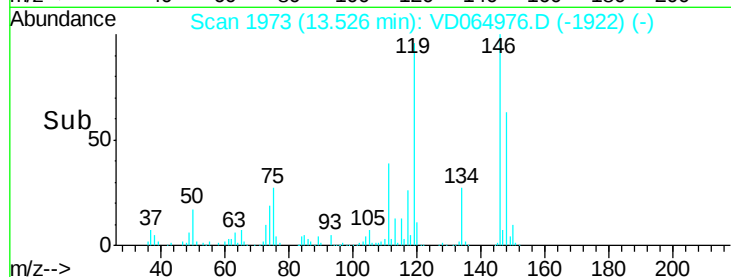
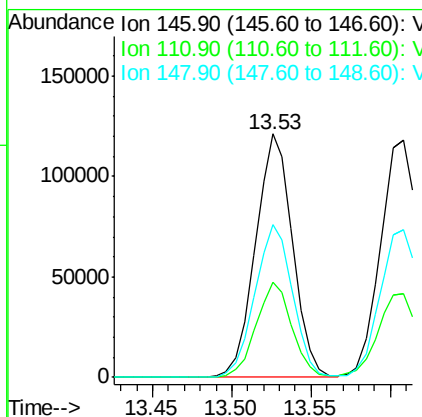
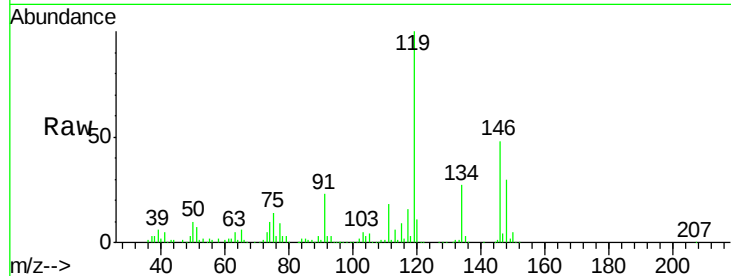
ClientSampleId :

VD0128SBS01

Tot Ion:	146	Resp:	196727
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	63.7	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 21.513 ug/l

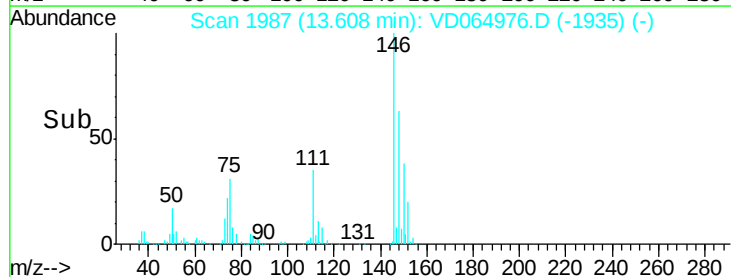
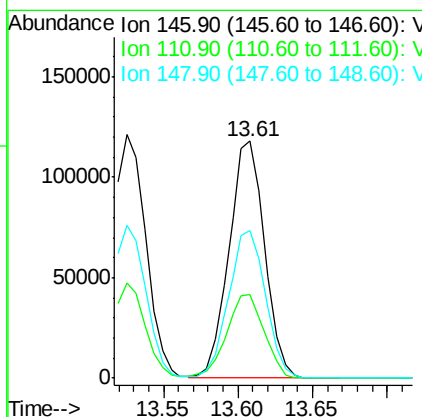
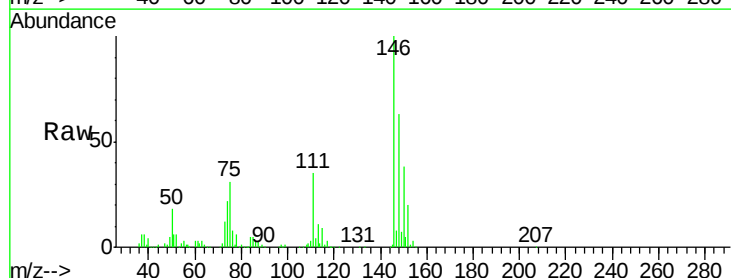
RT: 13.61 min Scan# 1987

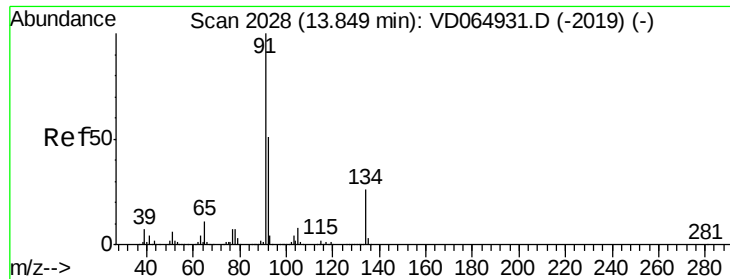
Delta R.T. 0.01 min

Lab File: VD064976.D

Acq: 28 Jan 2020 13:56

Tgt Ion:	146	Resp:	196613
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.2	54.6
148	64.4	32.0	96.0





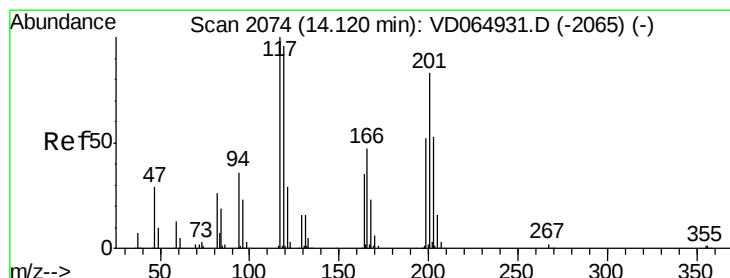
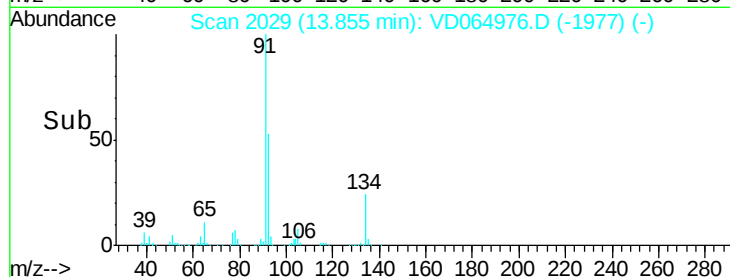
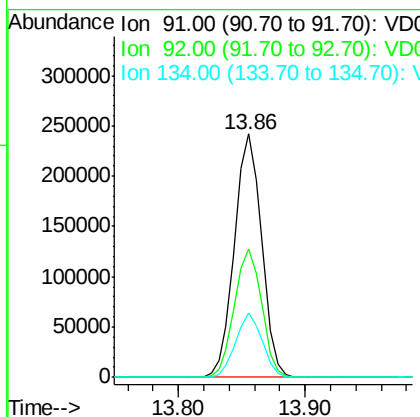
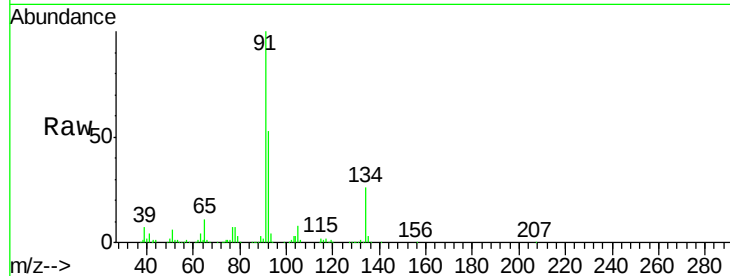
#89
n-Butylbenzene
Concen: 21.723 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	25.8	13.3	39.9

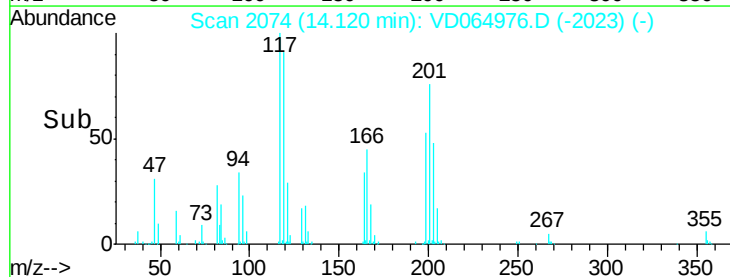
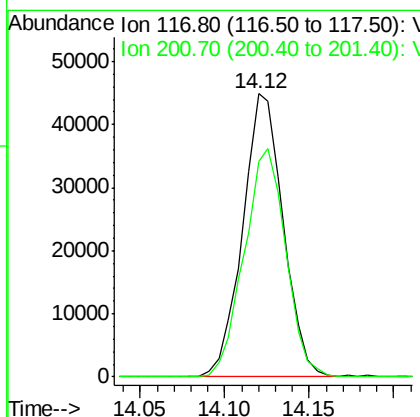
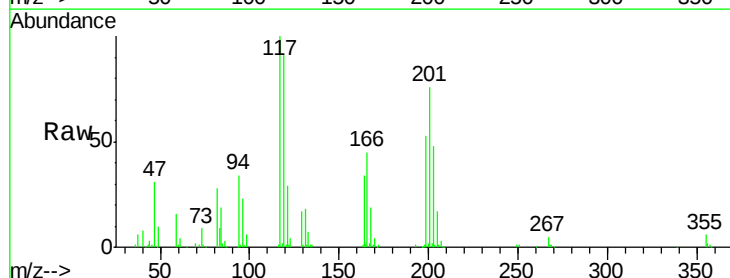
Manual Integrations
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#90
Hexachloroethane
Concen: 21.531 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.1	123.3





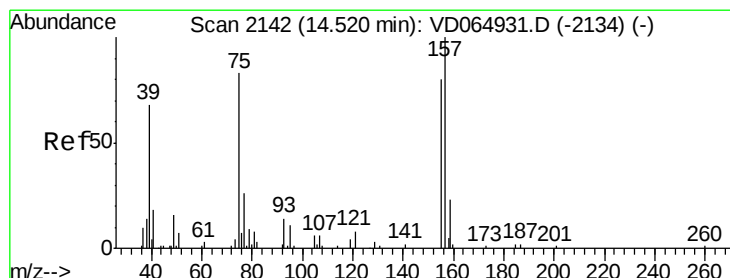
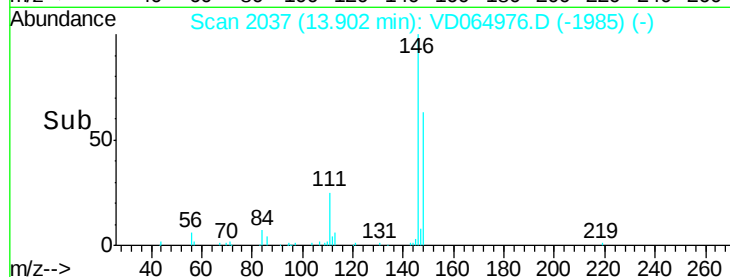
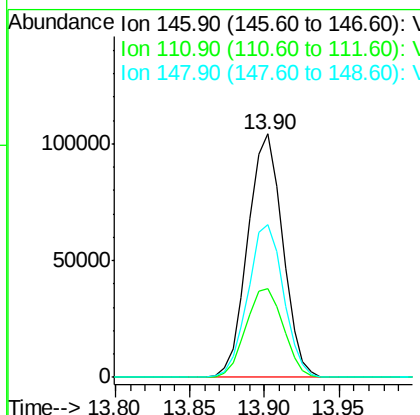
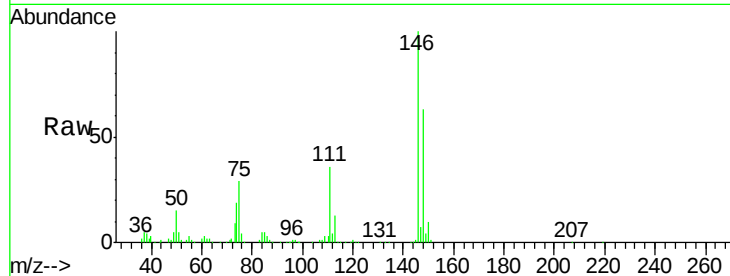
#91
 1,2-Dichlorobenzene
 Concen: 21.576 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.1	31.6	95.0

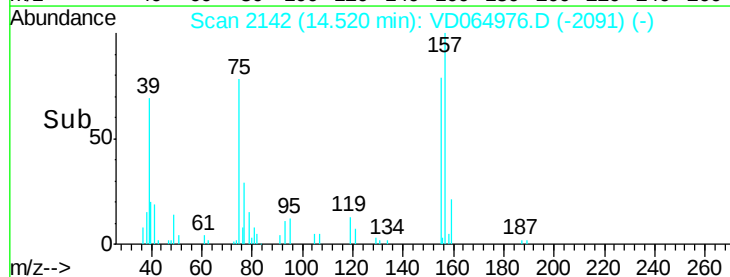
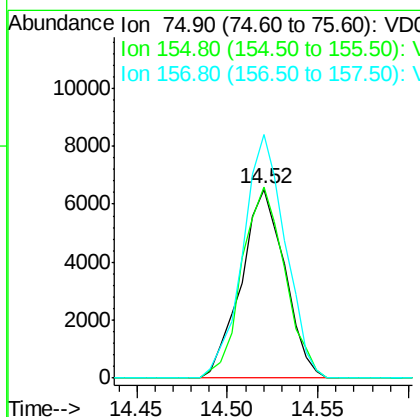
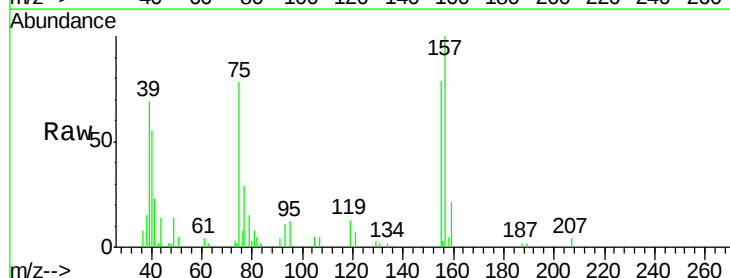
Manual Integrations
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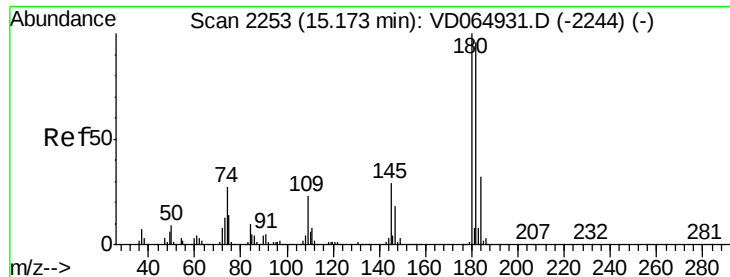
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 1/29/2020 12:55:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.706 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	44.9	134.7
157	125.5	58.9	176.6





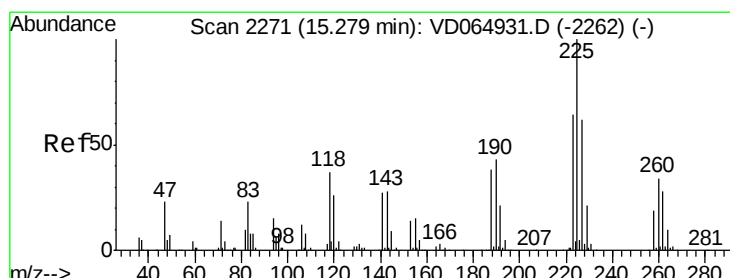
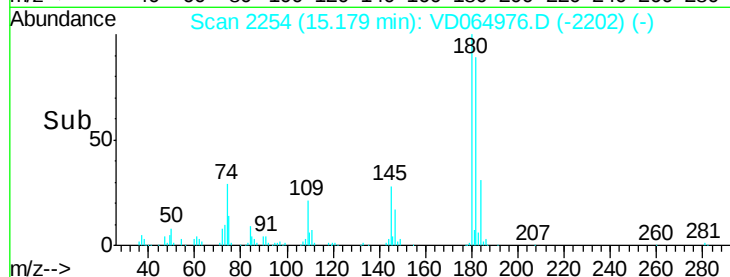
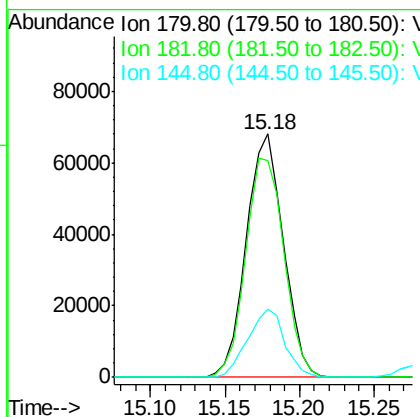
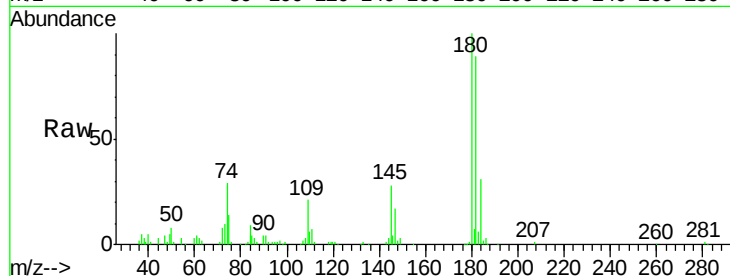
#93
 1,2,4-Trichlorobenzene
 Concen: 21.617 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116910		
182	93.5	47.1	141.4	
145	28.1	14.1	42.3	

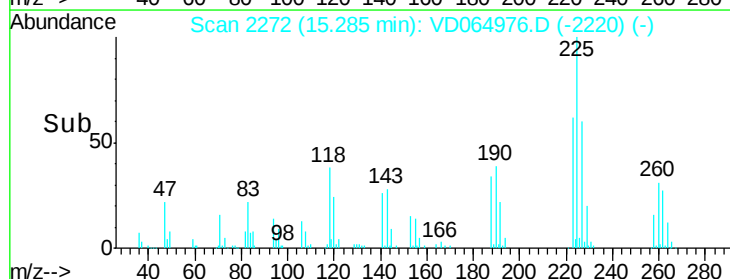
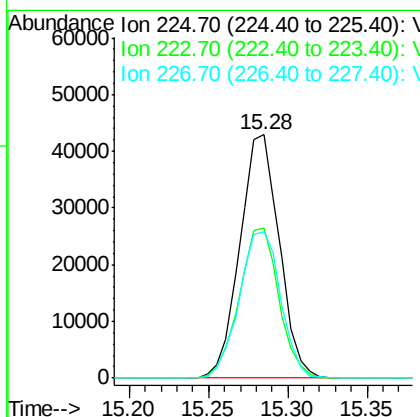
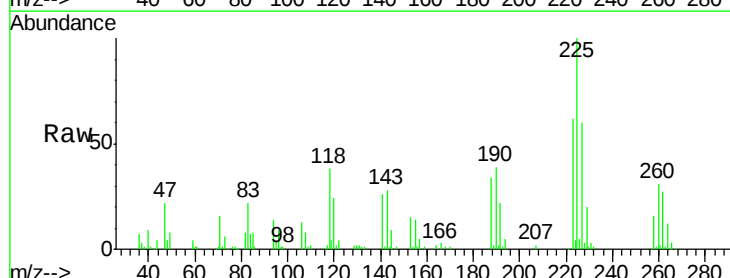
Manual Integrations
 APPROVED

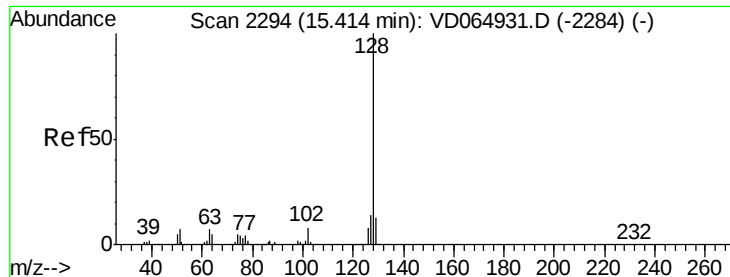
MMDadoda
 1/29/2020 12:55:59 PM



#94
 Hexachlorobutadiene
 Concen: 21.645 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064976.D
 Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74046		
223	62.0	32.4	97.2	
227	63.1	31.9	95.9	





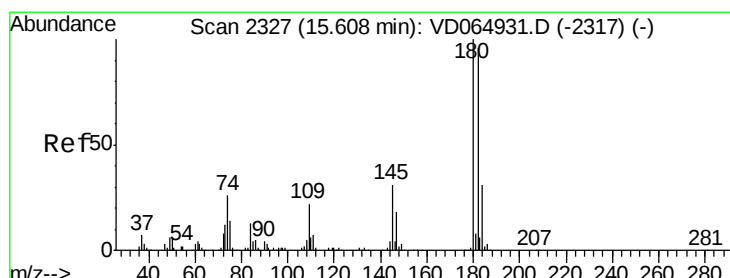
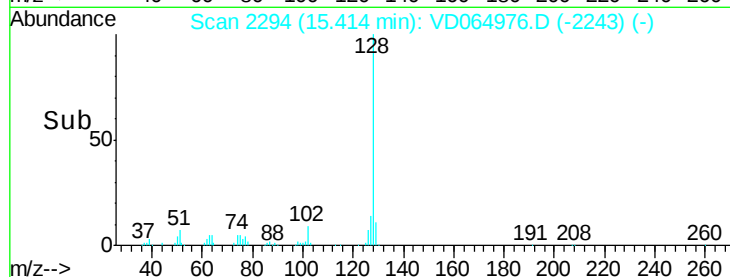
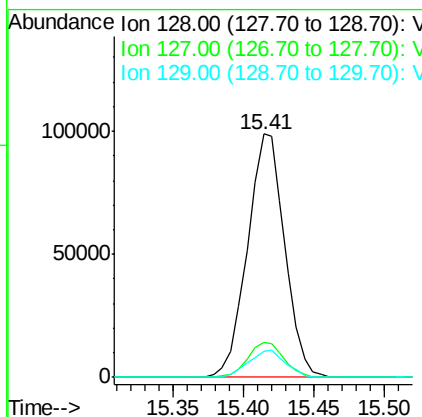
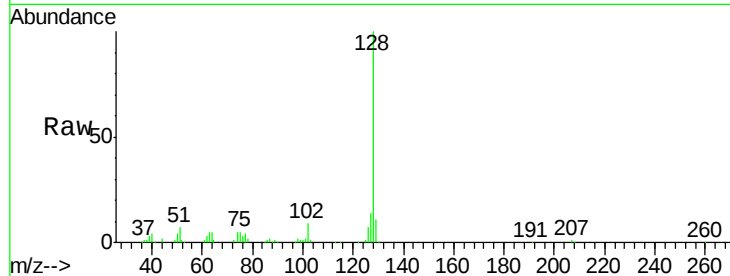
#95
Naphthalene
Concen: 20.956 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
VD0128SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/29/2020 12:55:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.992 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD064976.D
Acq: 28 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	30.2	14.6	43.8

