

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064913.D
 Acq On : 21 Jan 2020 17:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:33 AM

Quant Time: Jan 22 07:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	352343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	155744	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.92	113	163445	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.34	98	623855	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.64	95	199098	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116526	42.555	ug/l	95
3) Chloromethane	2.21	50	166261	43.415	ug/l	99
4) Vinyl Chloride	2.35	62	208745	44.706	ug/l	98
5) Bromomethane	2.77	94	141831	41.776	ug/l	98
6) Chloroethane	2.93	64	142475	45.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	356340	45.324	ug/l	99
8) Diethyl Ether	3.71	74	71466	45.776	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170076	52.235	ug/l	98
10) Methyl Iodide	4.30	142	165691	47.375	ug/l	99
11) Tert butyl alcohol	5.25	59	39925	224.224	ug/l	97
12) 1,1-Dichloroethene	4.06	96	147129	47.463	ug/l	90
13) Acrolein	3.93	56	22817	91.948	ug/l	95
14) Allyl chloride	4.71	41	241672	50.004	ug/l	98
15) Acrylonitrile	5.43	53	141573	217.703	ug/l	98
16) Acetone	4.17	43	151868	230.266	ug/l	97
17) Carbon Disulfide	4.40	76	412856	41.190	ug/l	99
18) Methyl Acetate	4.73	43	72629	41.522	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	324442	47.121	ug/l	96
20) Methylene Chloride	4.96	84	180718	57.618	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	173845	49.244	ug/l	100
22) Diisopropyl ether	6.37	45	503113	52.190	ug/l	97
23) Vinyl Acetate	6.31	43	1300235	237.773	ug/l	99
24) 1,1-Dichloroethane	6.27	63	308392	53.289	ug/l	97
25) 2-Butanone	7.22	43	192515	225.423	ug/l	97
26) 2,2-Dichloropropane	7.21	77	289289	53.764	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	188925	49.587	ug/l	95
28) Bromochloromethane	7.55	49	115741	51.448	ug/l	97
29) Tetrahydrofuran	7.57	42	115964	218.350	ug/l	96
30) Chloroform	7.71	83	322458	53.108	ug/l	100
31) Cyclohexane	7.98	56	275614	47.577	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	304705	53.429	ug/l	100
36) 1,1-Dichloropropene	8.11	75	253370	51.676	ug/l	98
37) Ethyl Acetate	7.30	43	84923	44.089	ug/l	98
38) Carbon Tetrachloride	8.10	117	278866	53.340	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294325	49.562	ug/l	99
40) Benzene	8.36	78	687702	51.379	ug/l	100
41) Methacrylonitrile	7.53	41	57010	51.013	ug/l	93
42) 1,2-Dichloroethane	8.43	62	192586	49.791	ug/l	99
43) Isopropyl Acetate	8.46	43	171416	44.711	ug/l	99
44) Trichloroethene	9.11	130	196441	49.959	ug/l	99
45) 1,2-Dichloropropane	9.39	63	165027	51.639	ug/l	99
46) Dibromomethane	9.48	93	84745	47.562	ug/l	97
47) Bromodichloromethane	9.67	83	245593	51.800	ug/l	91
48) Methyl methacrylate	9.46	41	82890	45.917	ug/l	97
49) 1,4-Dioxane	9.47	88	16935	824.290	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	426154	224.883	ug/l	99
52) Toluene	10.41	92	444166	50.580	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	217836	49.280	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	267588	51.339	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115174	47.965	ug/l	96
56) Ethyl methacrylate	10.67	69	138967	46.340	ug/l	97
57) 1,3-Dichloropropane	10.95	76	200416	48.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	258291	226.070	ug/l	99
59) 2-Hexanone	10.99	43	291059	226.298	ug/l	100
60) Dibromochloromethane	11.14	129	162700	48.997	ug/l	100
61) 1,2-Dibromoethane	11.25	107	109098	46.064	ug/l	99
64) Tetrachloroethene	10.88	164	167322	47.089	ug/l	96
65) Chlorobenzene	11.67	112	475814	49.497	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181406	50.058	ug/l	99
67) Ethyl Benzene	11.75	91	895544	51.326	ug/l	98
68) m/p-Xylenes	11.86	106	683330	101.466	ug/l	98
69) o-Xylene	12.18	106	312579	51.386	ug/l	100
70) Styrene	12.20	104	540450	50.616	ug/l	99
71) Bromoform	12.37	173	92876	44.941	ug/l #	99
73) Isopropylbenzene	12.48	105	857488	51.517	ug/l	100
74) N-amyl acetate	12.30	43	156432	43.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	118447	45.300	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	93941m	51.076	ug/l	
77) Bromobenzene	12.77	156	197078	48.187	ug/l	99
78) n-propylbenzene	12.83	91	1014209	52.230	ug/l	99
79) 2-Chlorotoluene	12.91	91	543589	50.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	700090	51.203	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	38114	43.341	ug/l	95
82) 4-Chlorotoluene	13.01	91	568108	50.045	ug/l	100
83) tert-Butylbenzene	13.23	119	631939	53.232	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	702667	51.601	ug/l	98
85) sec-Butylbenzene	13.41	105	869119	53.402	ug/l	100
86) p-Isopropyltoluene	13.53	119	815976	52.434	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	387419	49.691	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	381159	49.765	ug/l	99
89) n-Butylbenzene	13.85	91	749855	53.507	ug/l	99
90) Hexachloroethane	14.12	117	152530	51.311	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	325346	48.937	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19121	45.110	ug/l	95

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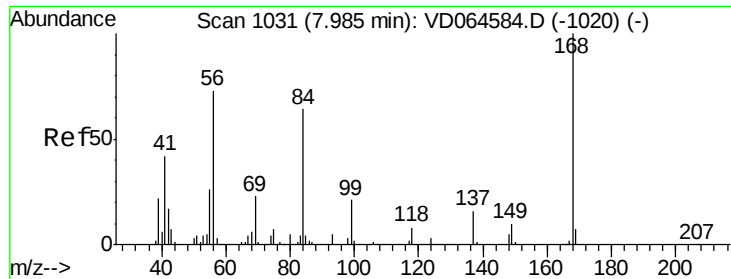
Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	234756	47.957	ug/l	98
94) Hexachlorobutadiene	15.28	225	151264	49.106	ug/l	98
95) Naphthalene	15.41	128	343466	44.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	195911	46.880	ug/l	97

(#) = 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: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 352343

Ion Ratio Lower Upper

168 100

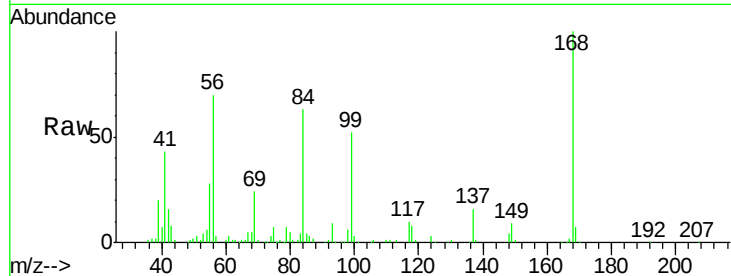
99 51.7 41.8 62.6

Manual Integrations

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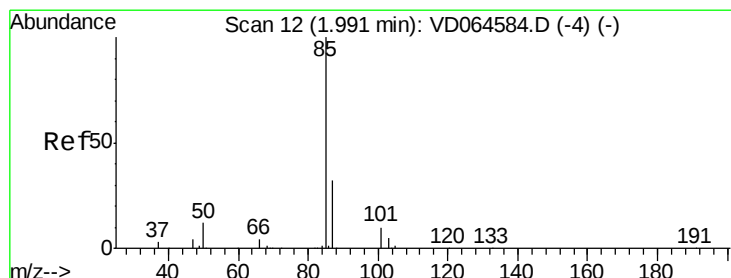
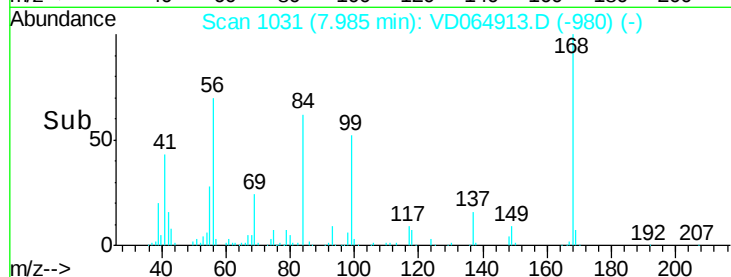
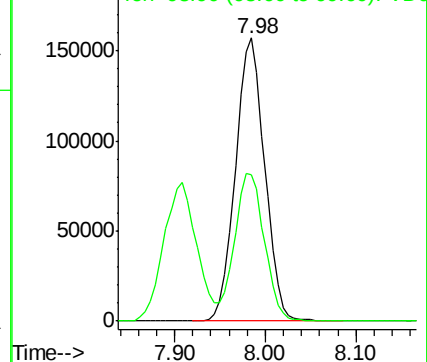
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1/22/2020 10:49:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.555 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064913.D

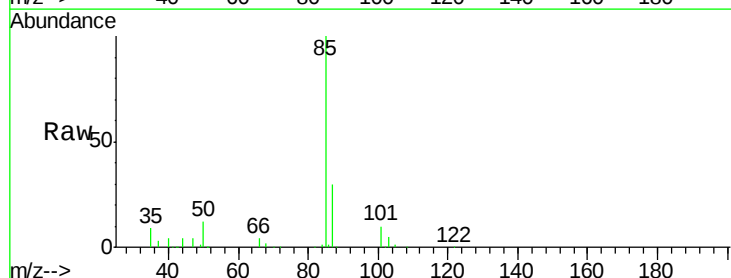
Acq: 21 Jan 2020 17:06

Tgt Ion: 85 Resp: 116526

Ion Ratio Lower Upper

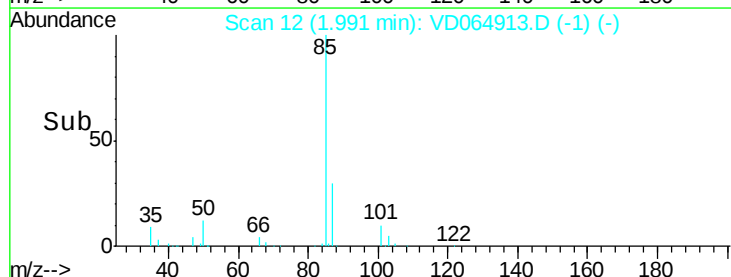
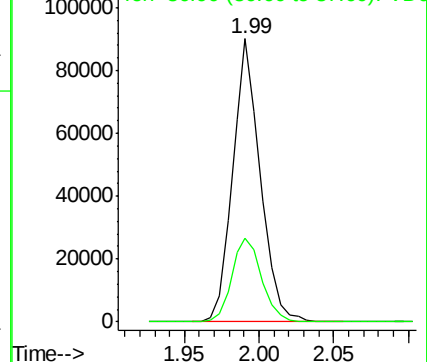
85 100

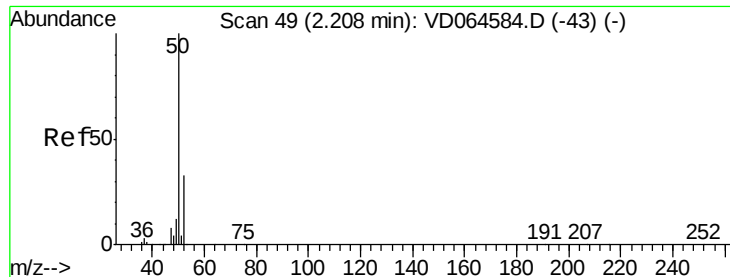
87 29.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.415 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 166261

Ion Ratio Lower Upper

50 100

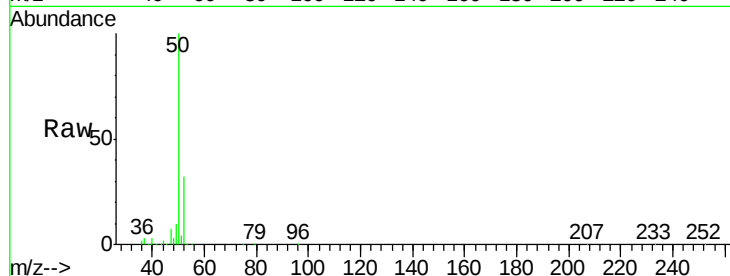
52 32.3 26.5 39.7

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1/22/2020 10:49:33 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

150000

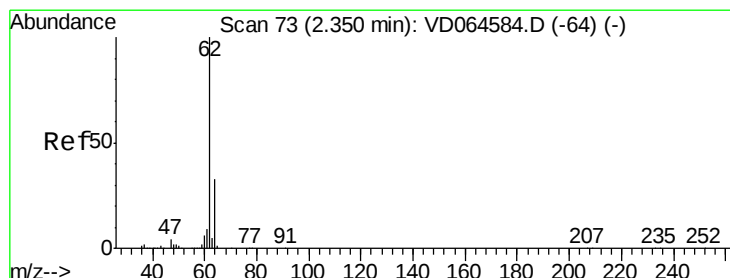
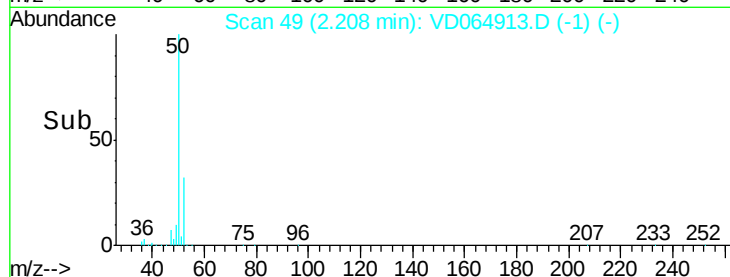
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 44.706 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064913.D

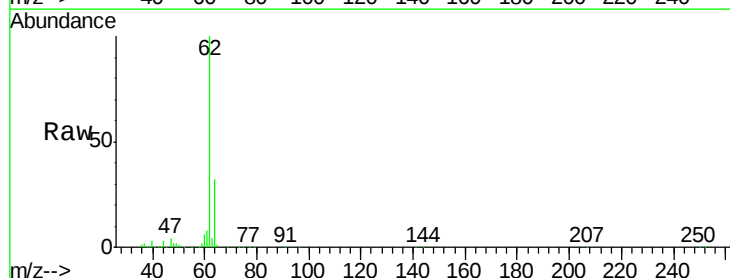
Acq: 21 Jan 2020 17:06

Tgt Ion: 62 Resp: 208745

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

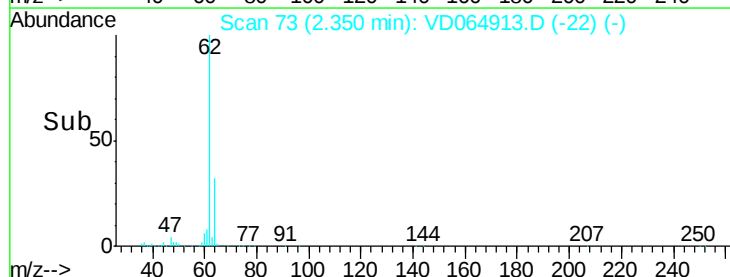
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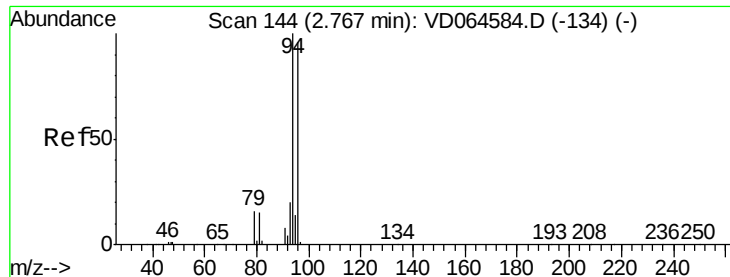
50000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 41.776 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 141831

Ion Ratio Lower Upper

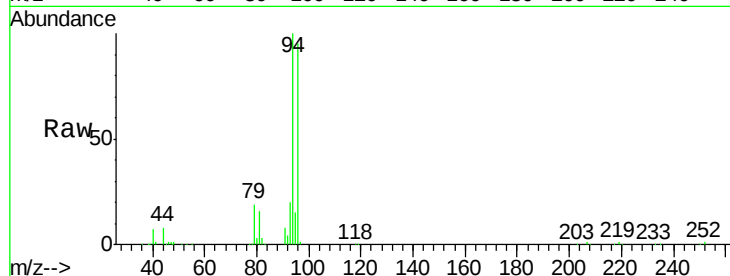
94 100

96 95.0 77.2 115.8

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1/22/2020 10:49:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

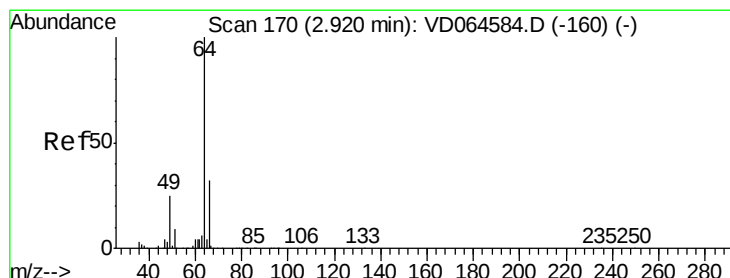
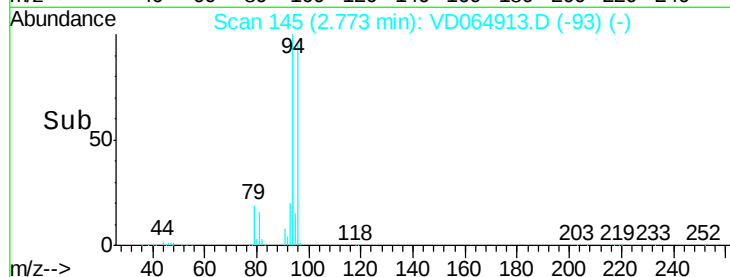
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 45.538 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064913.D

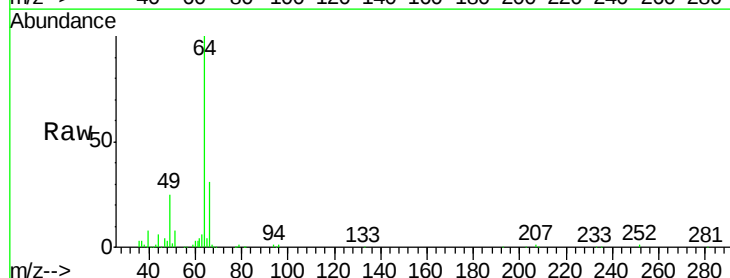
Acq: 21 Jan 2020 17:06

Tgt Ion: 64 Resp: 142475

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

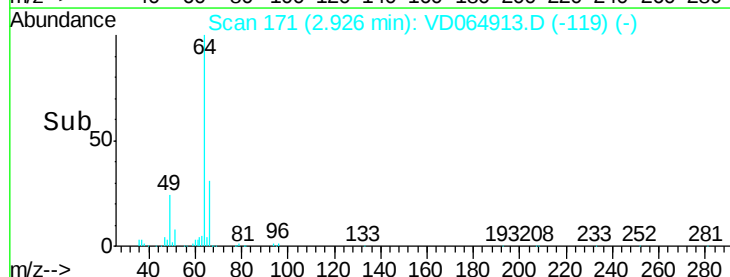
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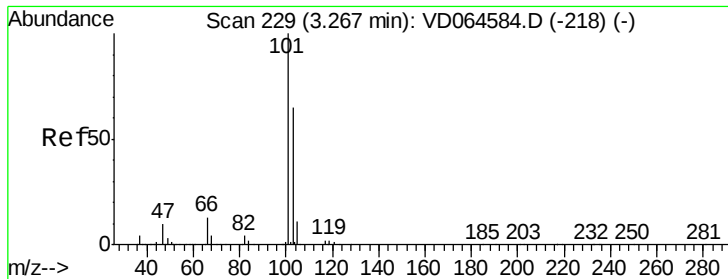
20000

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Time-->

2.85 2.90 2.95 3.00





#7

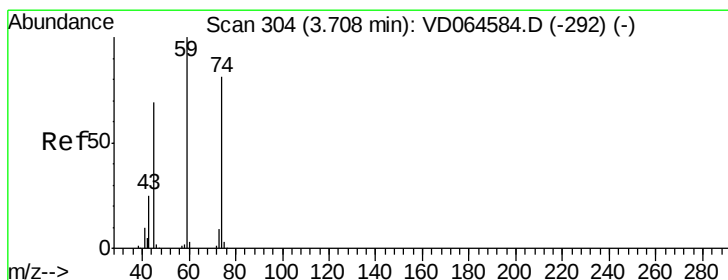
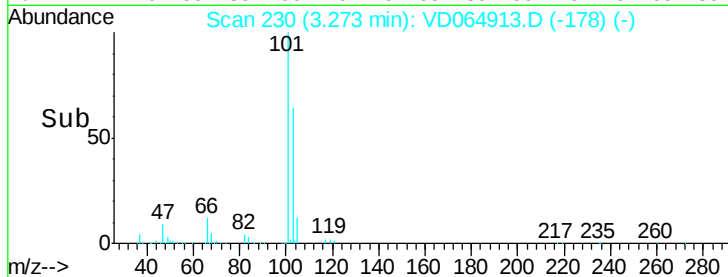
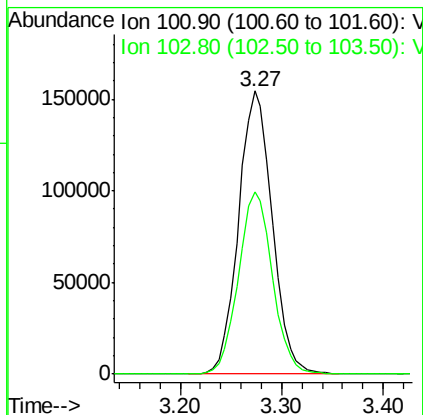
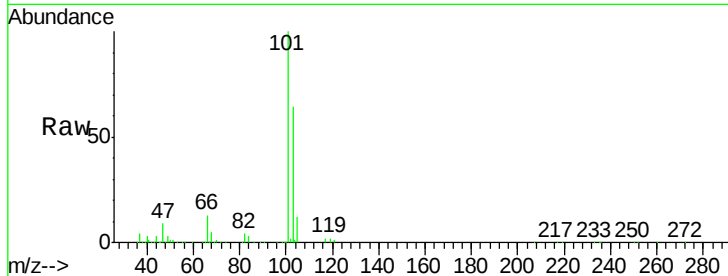
Trichlorofluoromethane
Concen: 45.324 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

Manual Integrations
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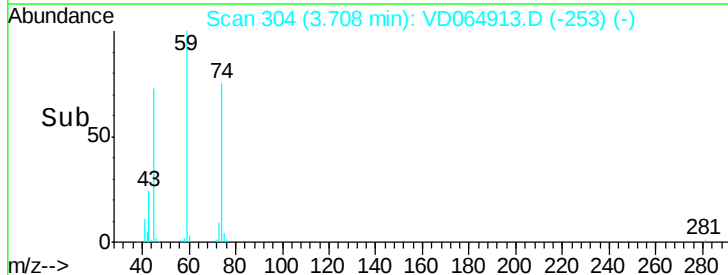
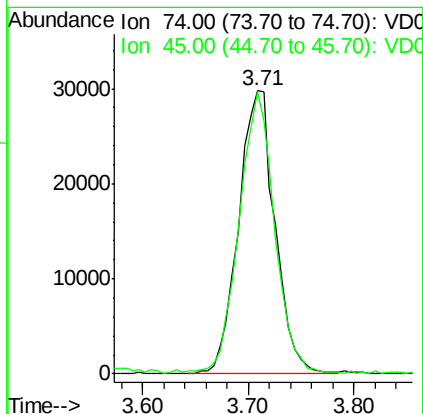
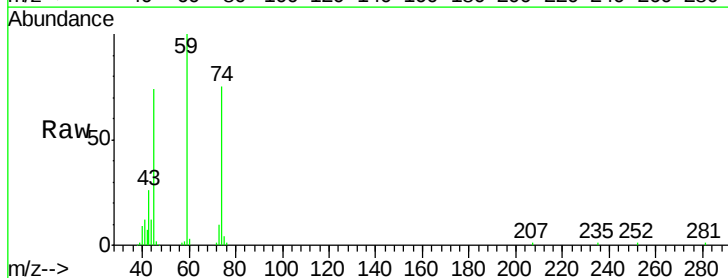
MMDadoda
1/22/2020 10:49:33 AM

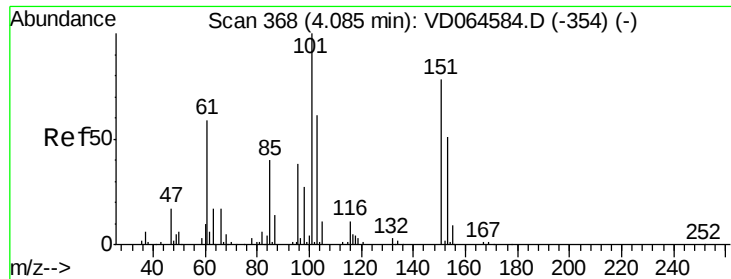


#8

Diethyl Ether
Concen: 45.776 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.235 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

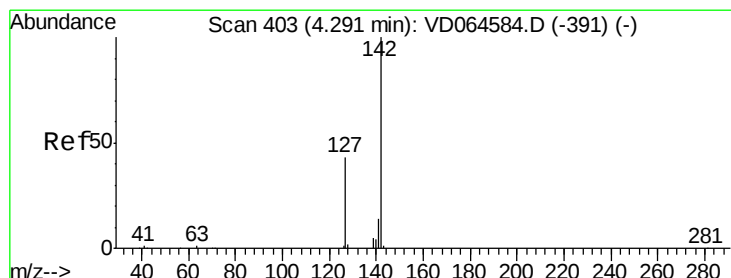
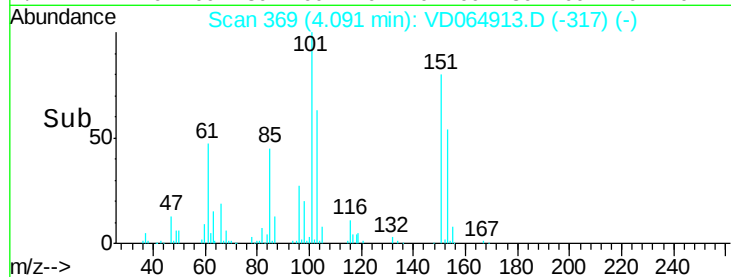
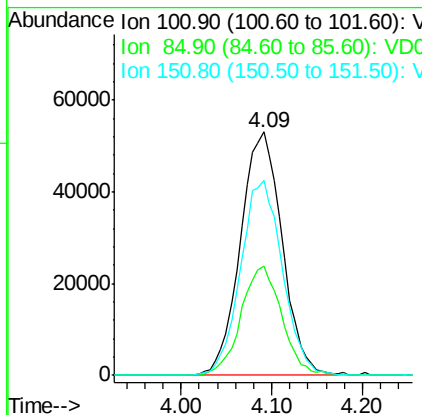
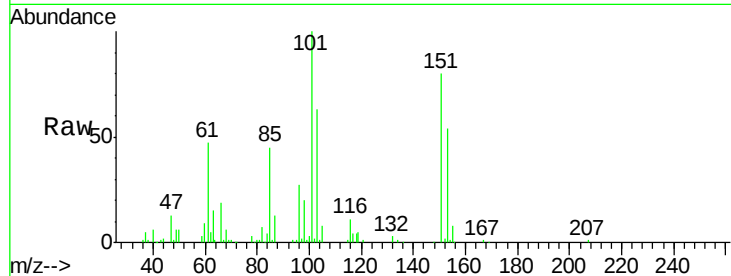
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	170076
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	80.4	66.2	99.4

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#10

Methyl Iodide

Concen: 47.375 ug/l

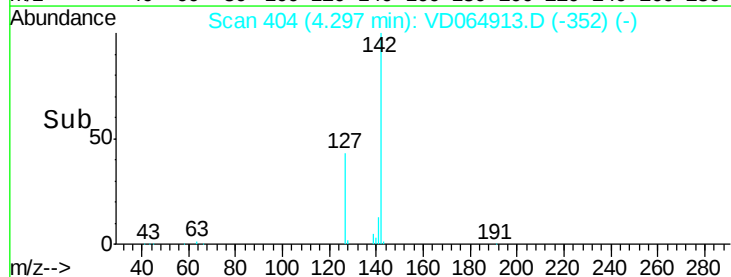
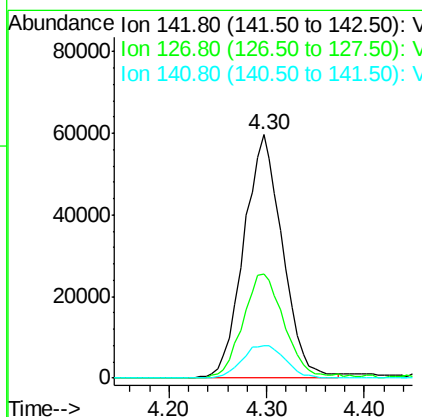
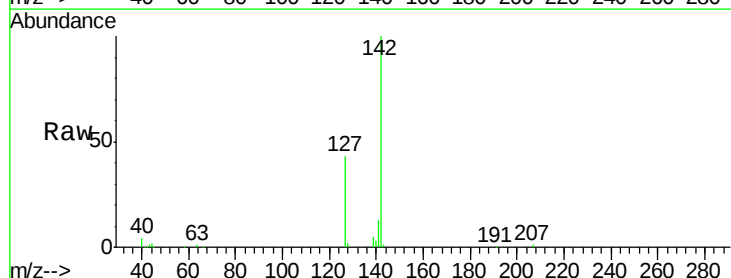
RT: 4.30 min Scan# 404

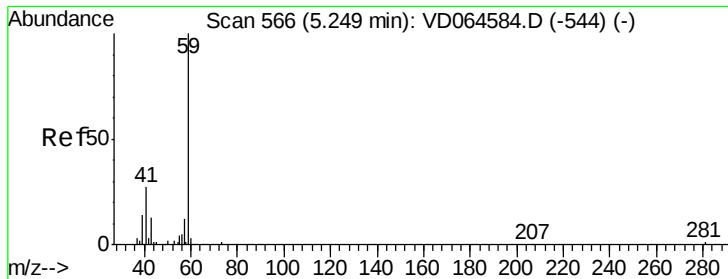
Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion:	142	Resp:	165691
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.2	54.4
141	15.1	11.8	17.8





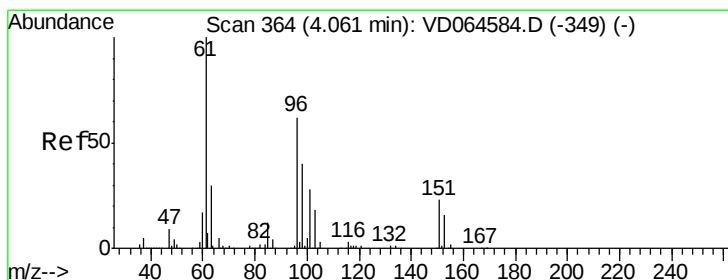
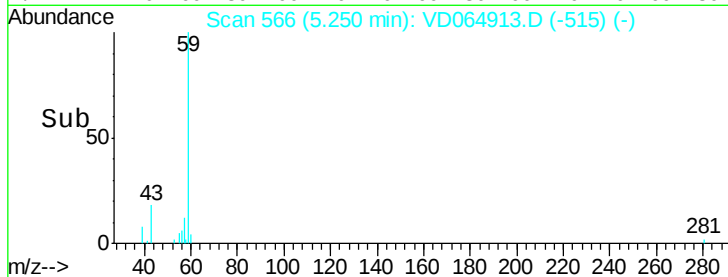
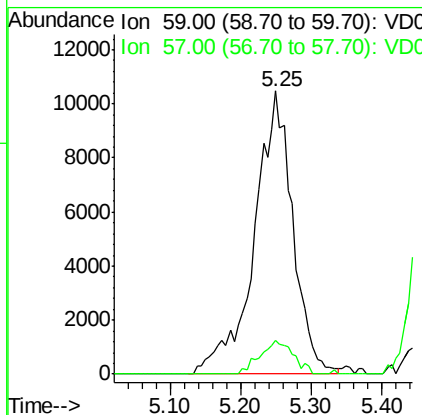
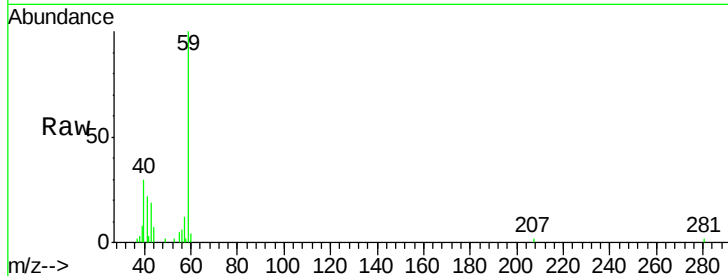
#11
Tert butyl alcohol
Concen: 224.224 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.3	13.9

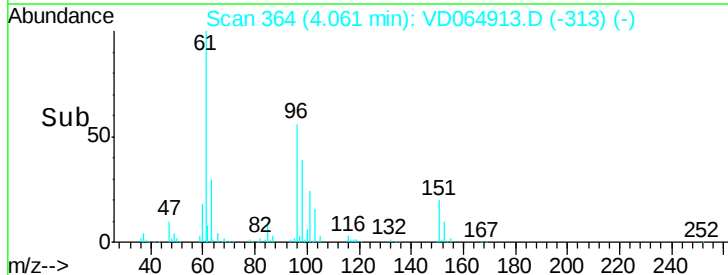
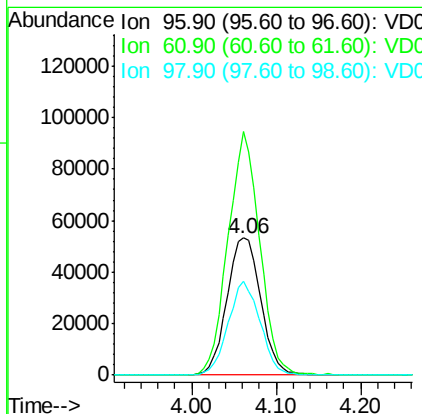
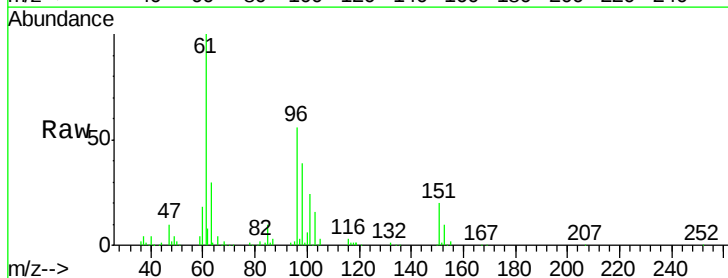
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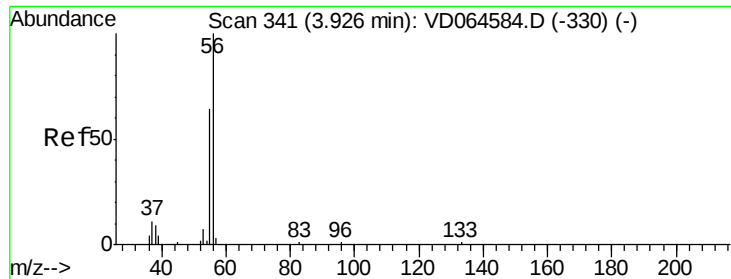
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#12
1,1-Dichloroethene
Concen: 47.463 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.6	129.4	194.0
98	68.6	51.4	77.0





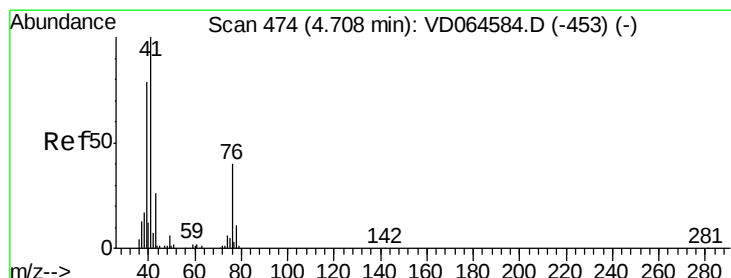
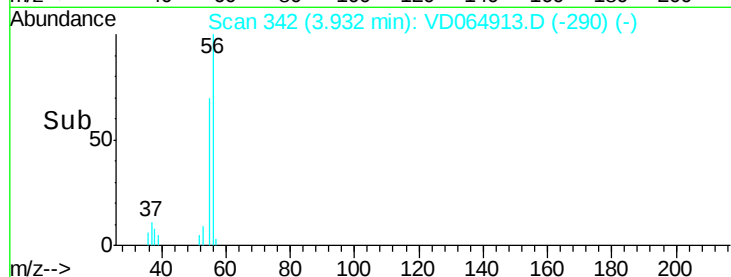
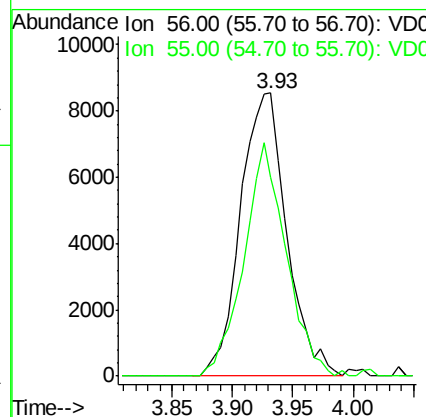
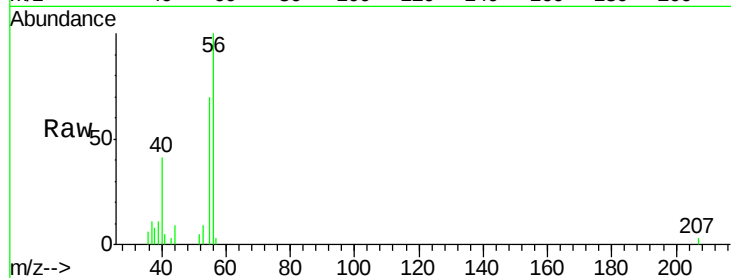
#13
Acrolein
Concen: 91.948 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	22817
Ion Ratio	100	Lower	Upper
56	100		
55	75.0	56.7	85.1

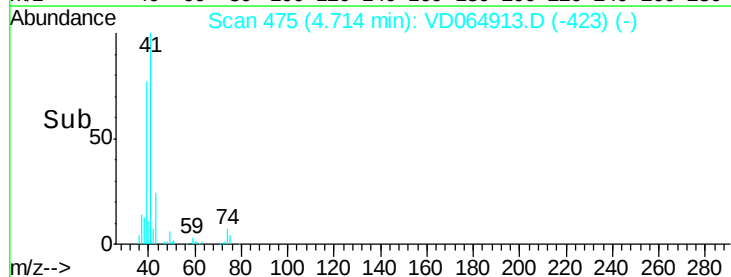
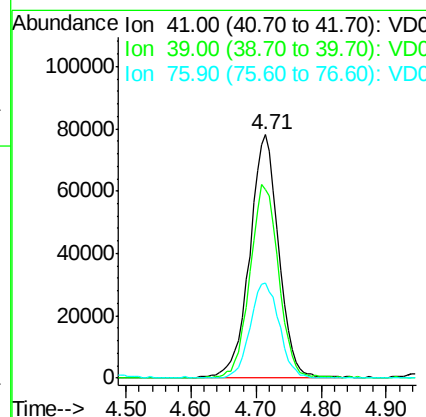
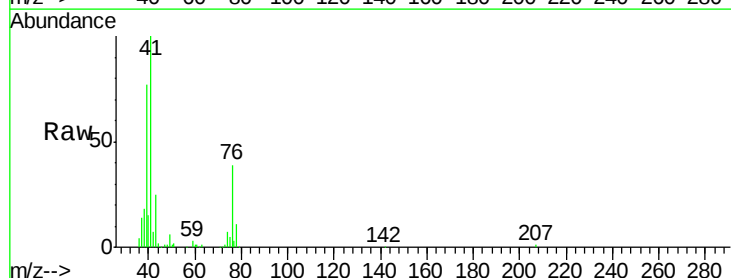
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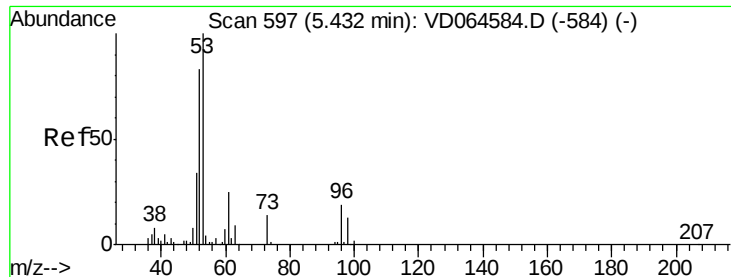
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#14
Allyl chloride
Concen: 50.004 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	41	Resp	241672
Ion Ratio	100	Lower	Upper
41	100		
39	79.0	62.3	93.5
76	39.1	29.7	44.5





#15

Acrylonitrile

Concen: 217.703 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

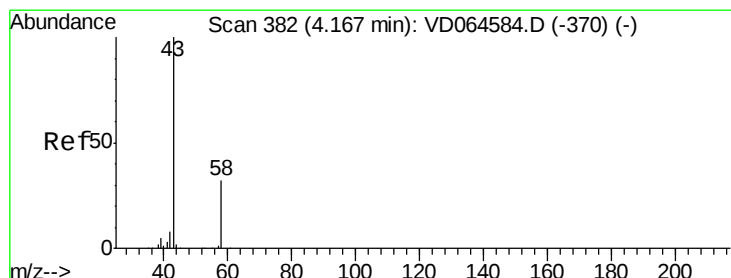
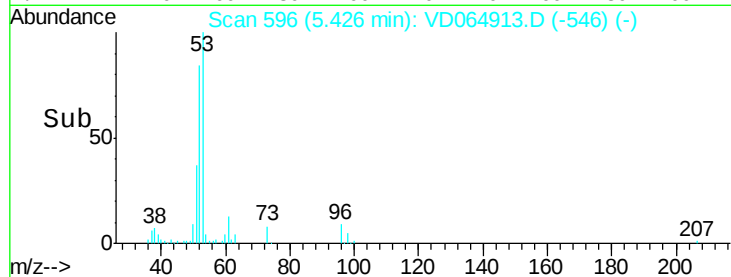
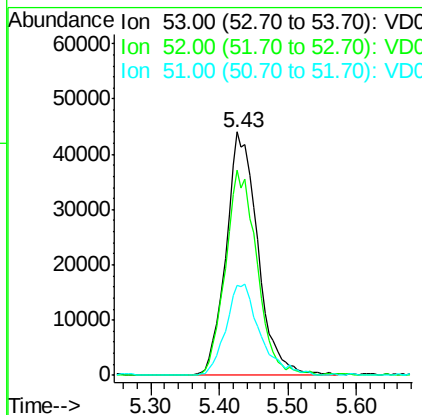
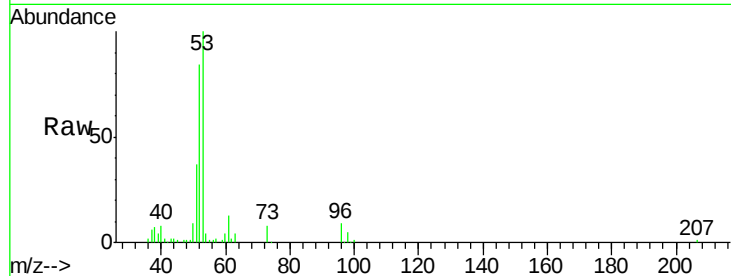
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	141573
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	39.9	30.1	45.1

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#16

Acetone

Concen: 230.266 ug/l

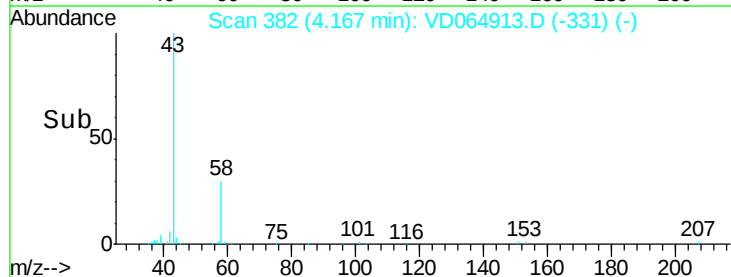
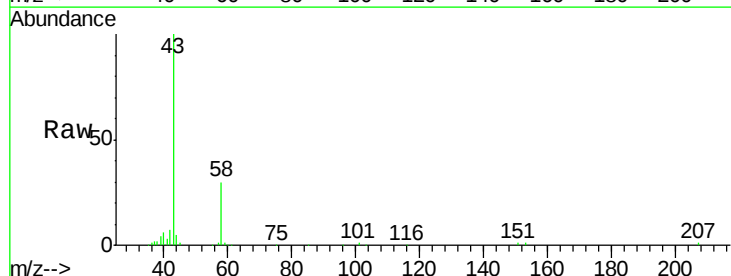
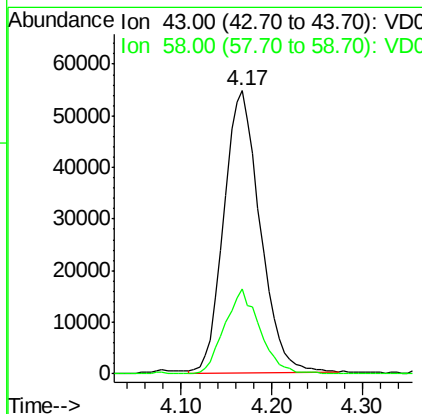
RT: 4.17 min Scan# 382

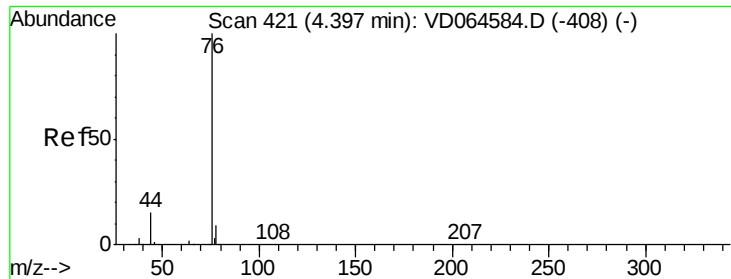
Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion:	43	Resp:	151868
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.8	38.6





#17

Carbon Disulfide

Concen: 41.190 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 412856

Ion Ratio Lower Upper

76 100

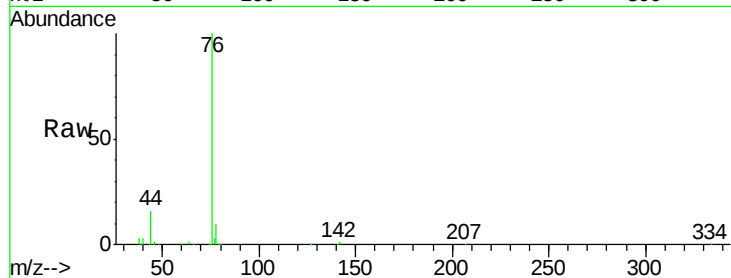
78 9.5 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

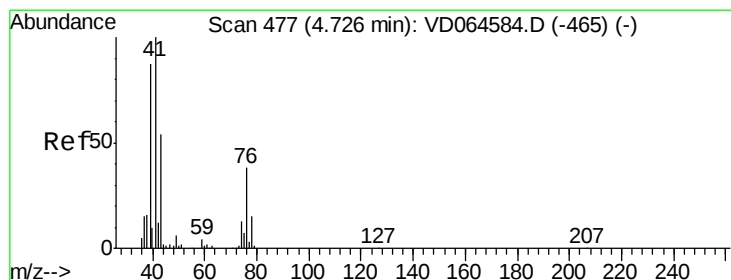
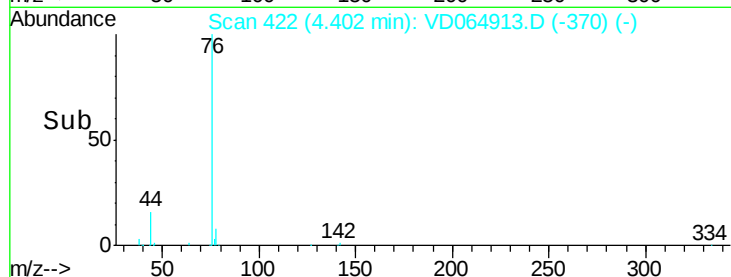
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.522 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064913.D

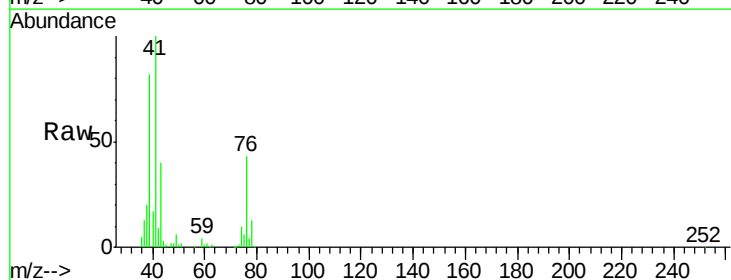
Acq: 21 Jan 2020 17:06

Tgt Ion: 43 Resp: 72629

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

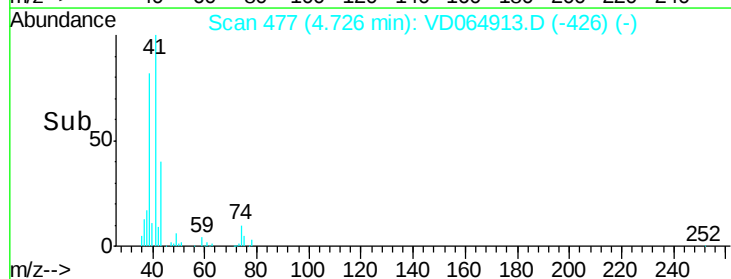
15000

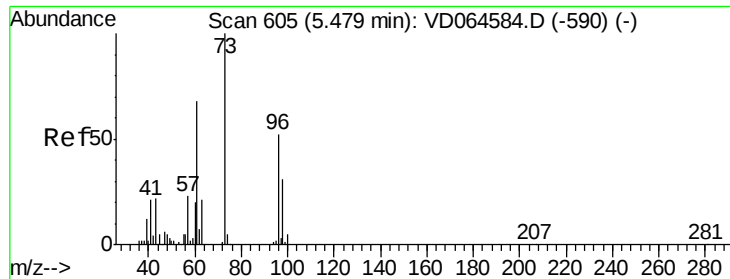
10000

5000

0

Time-->





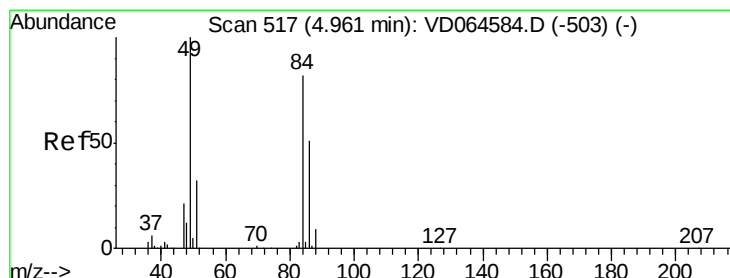
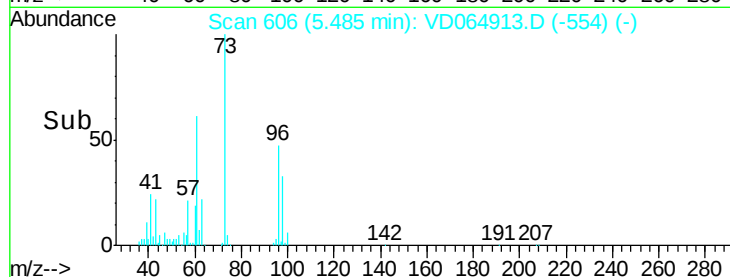
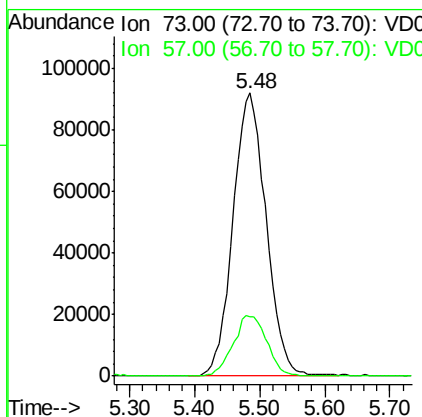
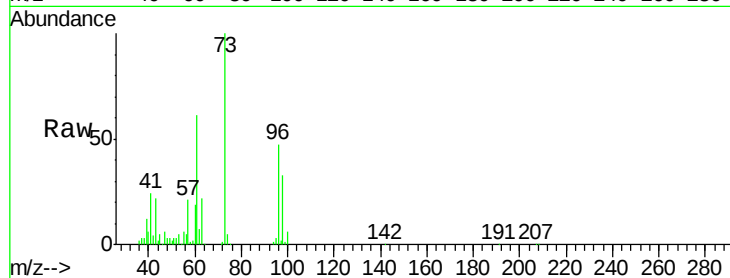
#19
Methyl tert-butyl Ether
Concen: 47.121 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 324442
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8

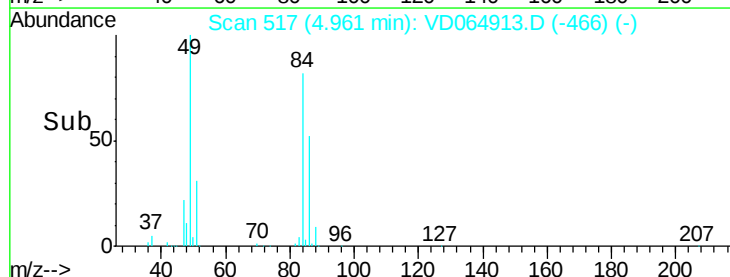
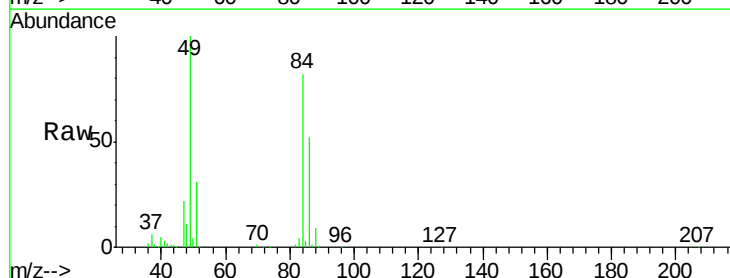
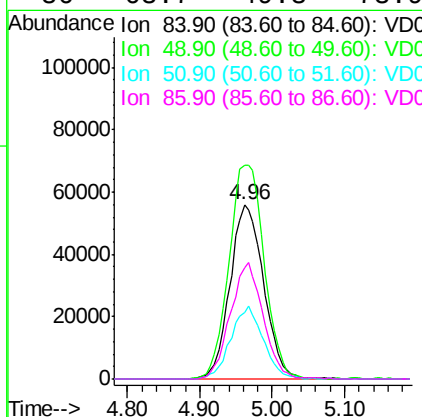
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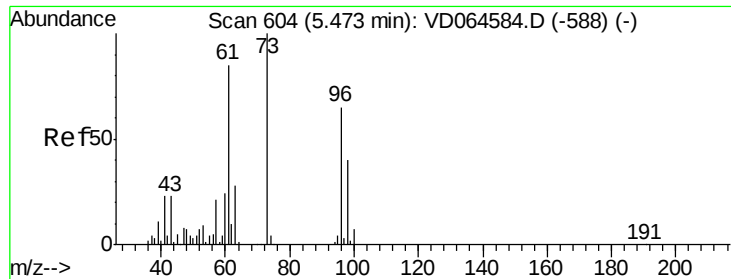
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#20
Methylene Chloride
Concen: 57.618 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 84 Resp: 180718
Ion Ratio Lower Upper
84 100
49 122.0 97.2 145.8
51 38.0 31.4 47.0
86 63.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.244 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 173845

Ion Ratio Lower Upper

96 100

61 130.6 104.7 157.1

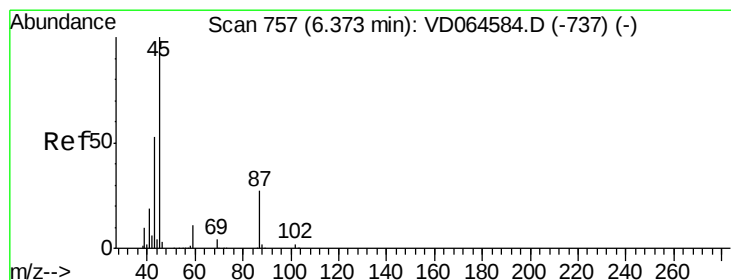
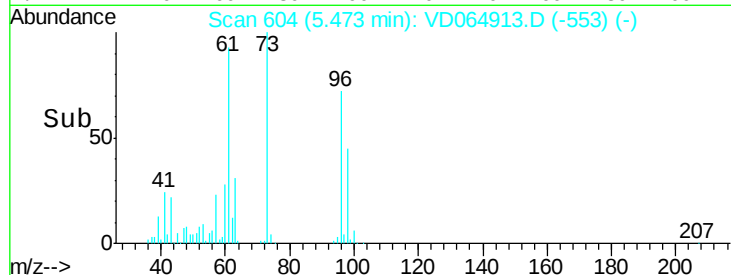
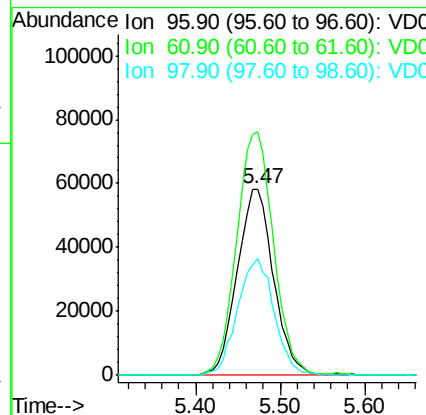
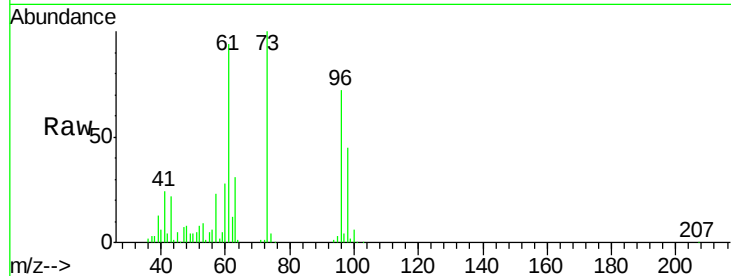
98 62.6 49.4 74.2

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#22

Diisopropyl ether

Concen: 52.190 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion: 45 Resp: 503113

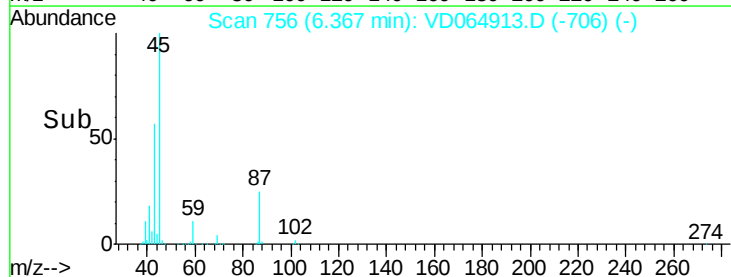
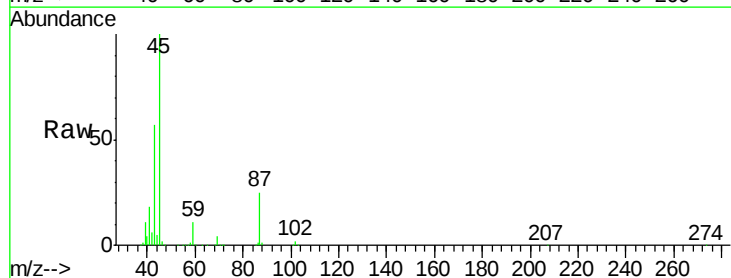
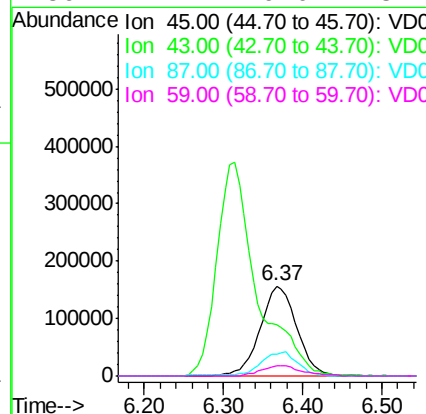
Ion Ratio Lower Upper

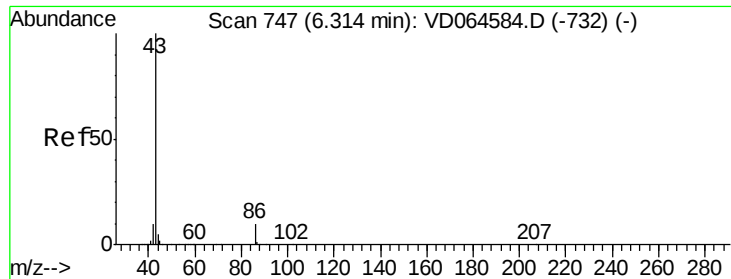
45 100

43 56.1 43.2 64.8

87 24.5 21.9 32.9

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 237.773 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1300235

Ion Ratio Lower Upper

43 100

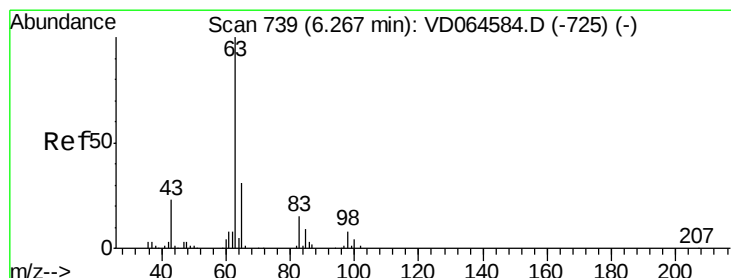
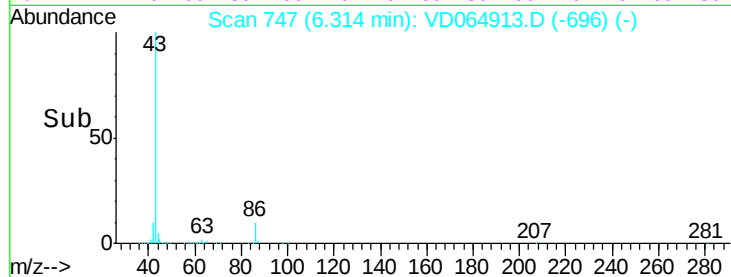
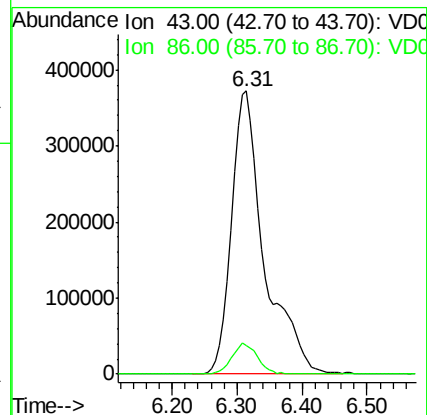
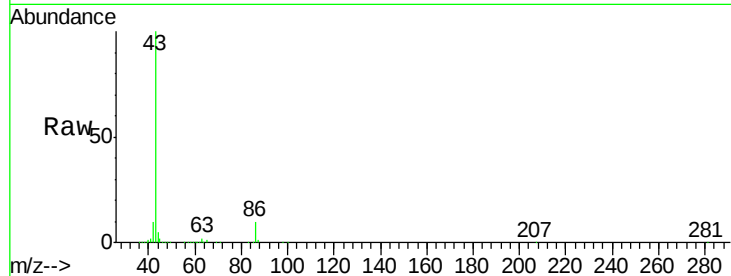
86 10.0 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 53.289 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

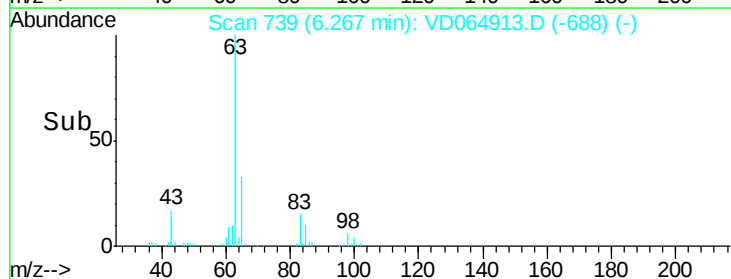
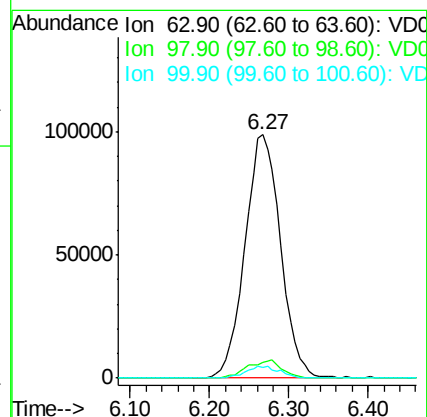
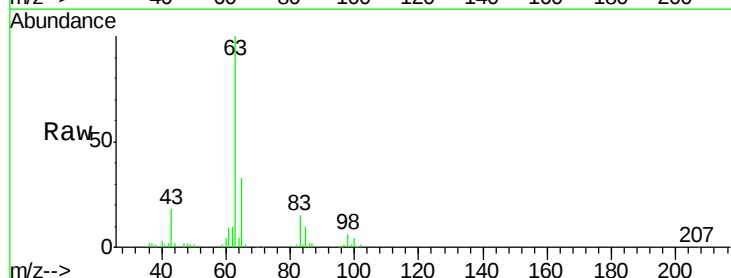
Tgt Ion: 63 Resp: 308392

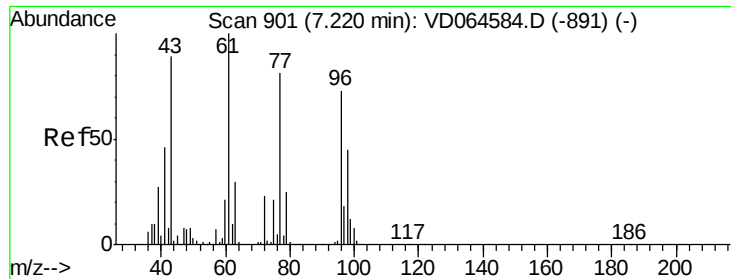
Ion Ratio Lower Upper

63 100

98 6.5 4.1 12.3

100 4.2 2.2 6.6





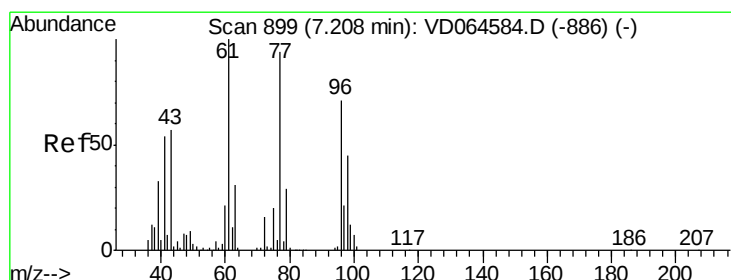
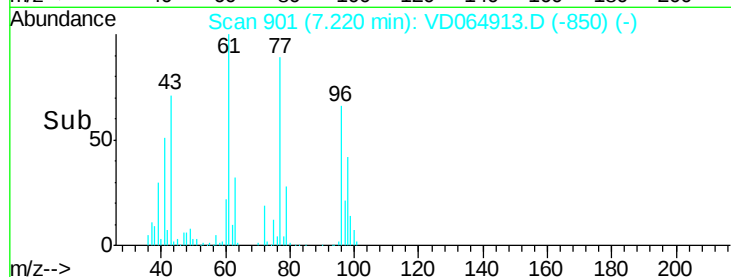
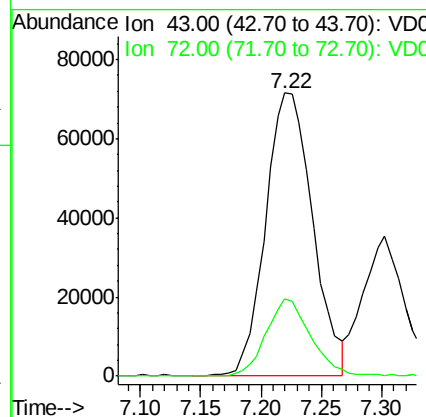
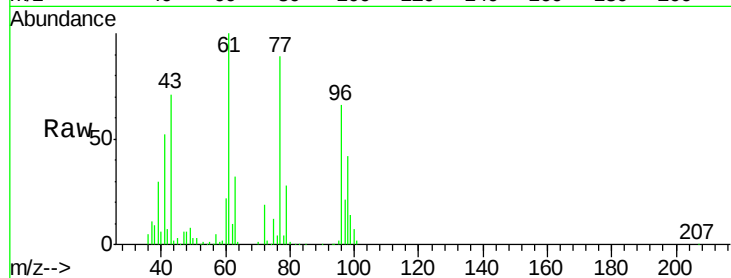
#25
2-Butanone
Concen: 225.423 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 192515
Ion Ratio Lower Upper
43 100
72 27.4 20.7 31.1

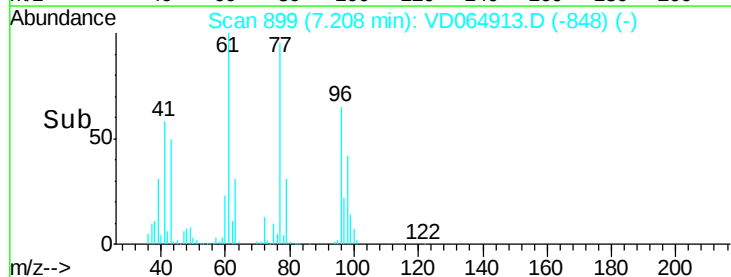
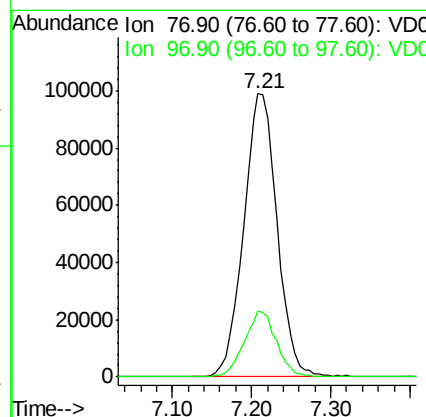
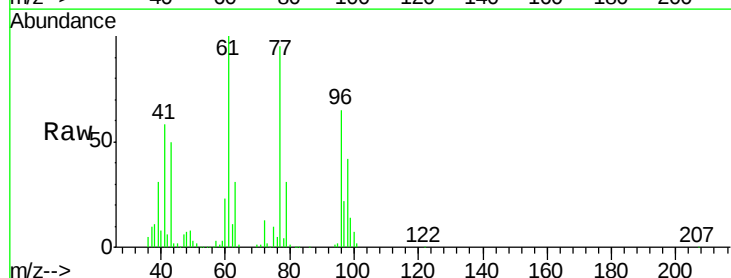
Manual Integrations
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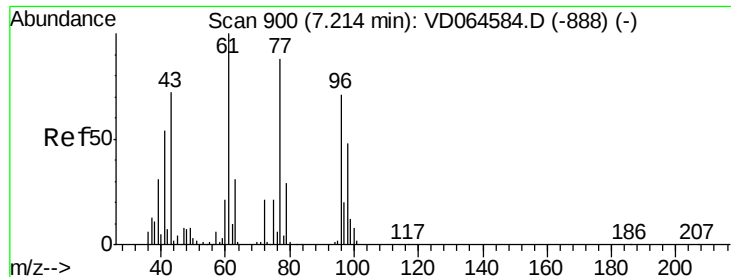
MMDadoda
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#26
2,2-Dichloropropane
Concen: 53.764 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 77 Resp: 289289
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.587 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

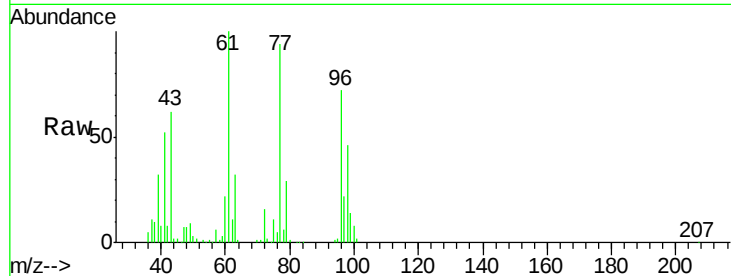
ClientSampleId :

VSTDCCC050EC

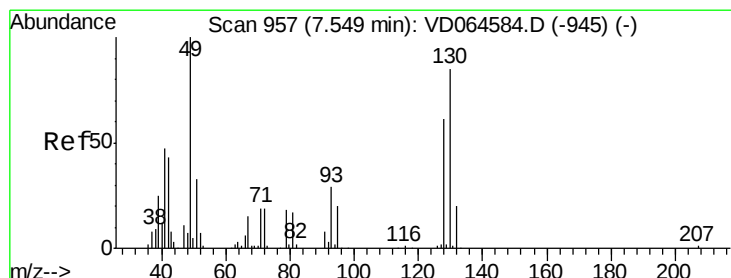
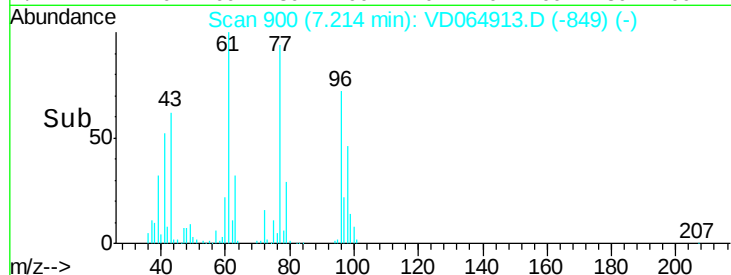
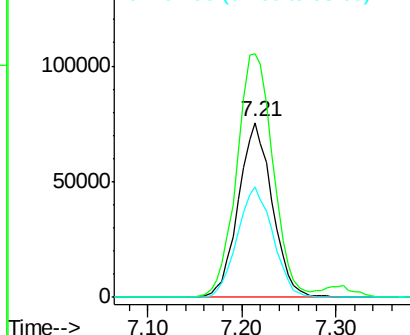
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	282.6
98	66.3	0.0	130.8

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 51.448 ug/l

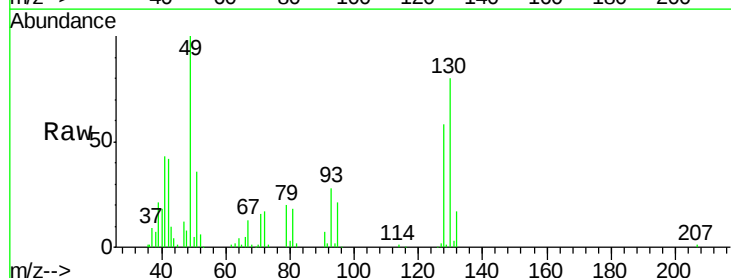
RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

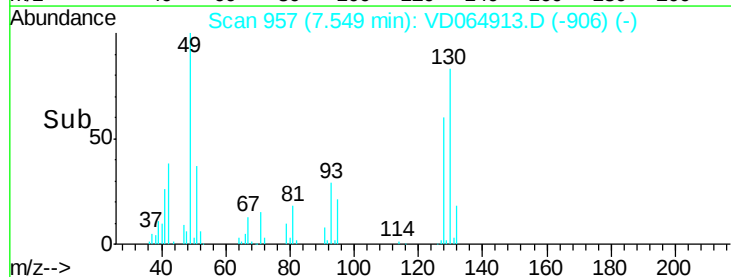
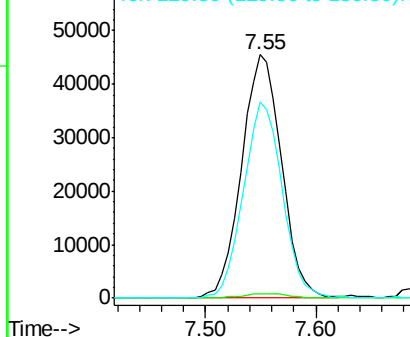
Lab File: VD064913.D

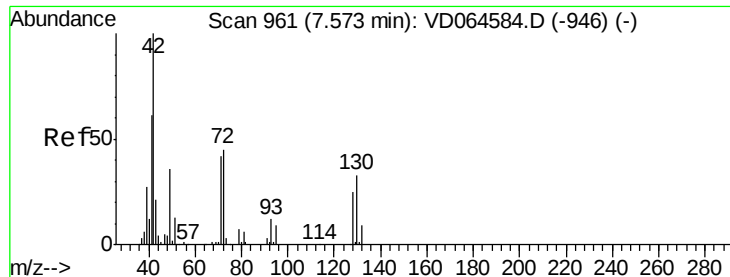
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	78.3	65.0	97.6



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





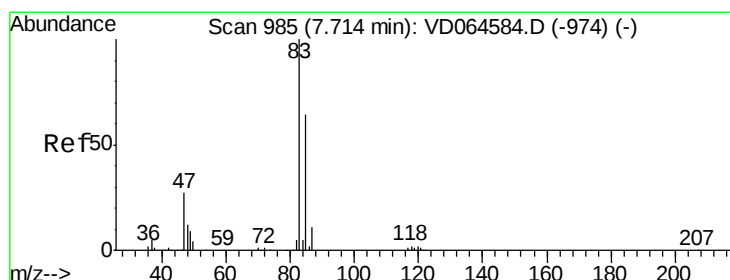
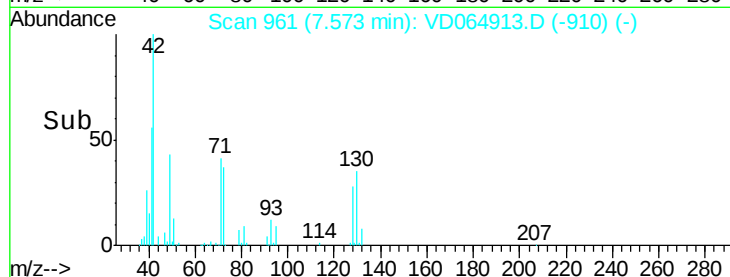
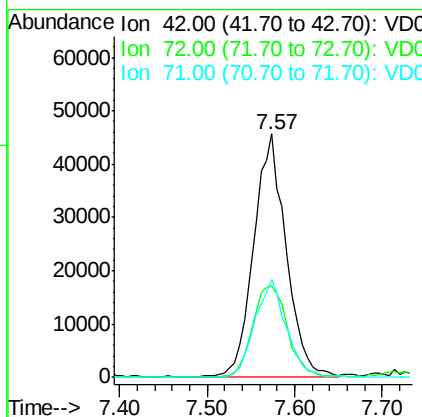
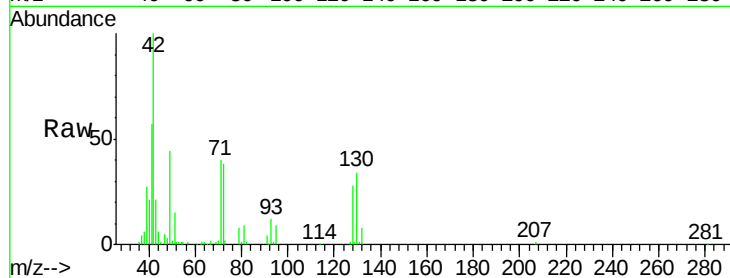
#29
Tetrahydrofuran
Concen: 218.350 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	35.0	52.4
71	38.8	32.9	49.3

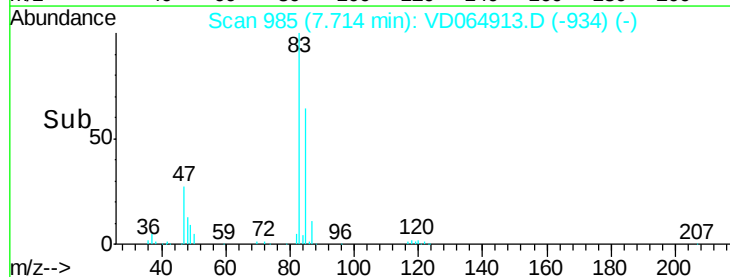
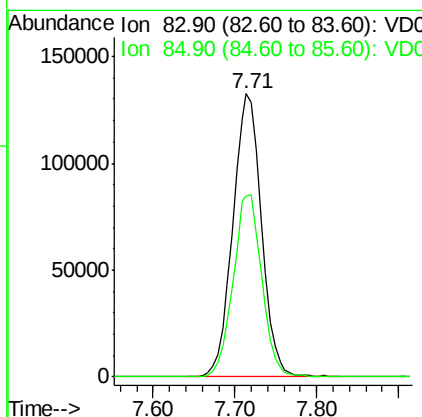
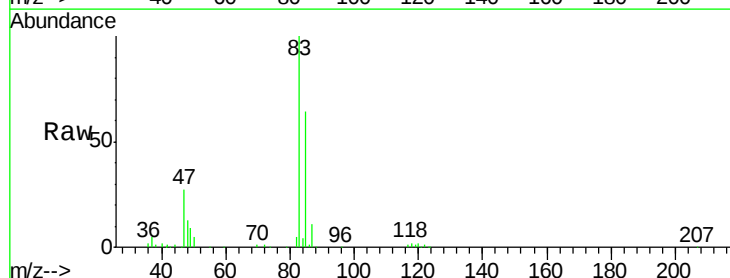
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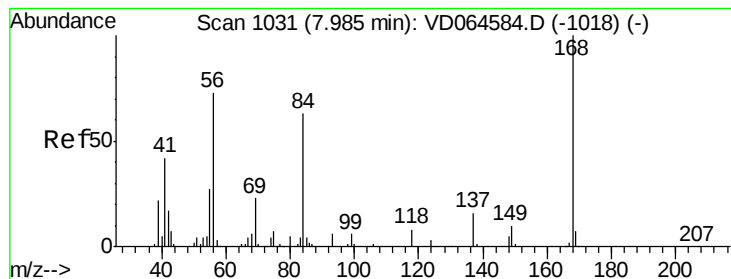
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#30
Chloroform
Concen: 53.108 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





#31

Cyclohexane

Concen: 47.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

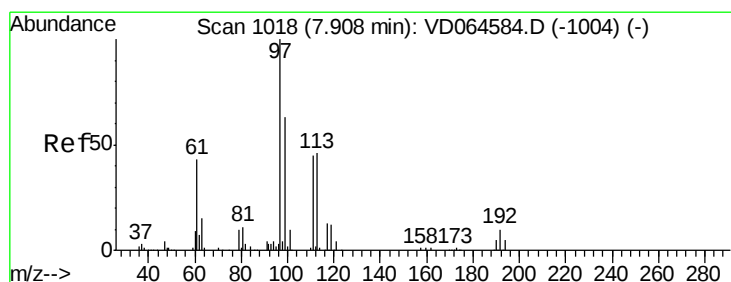
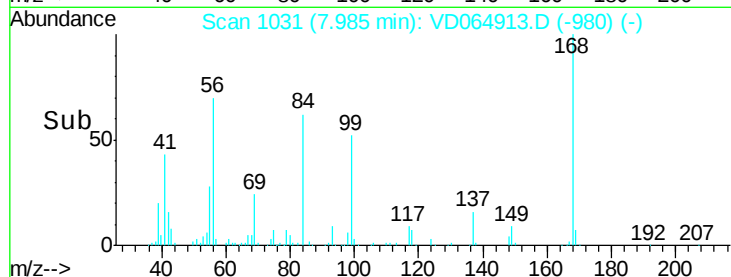
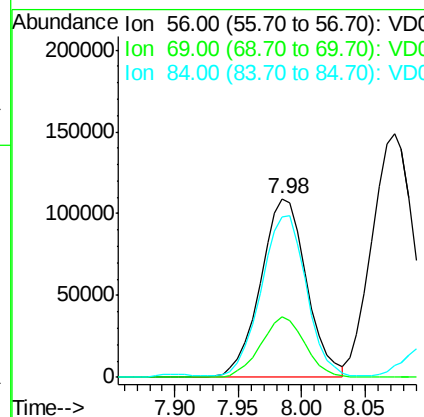
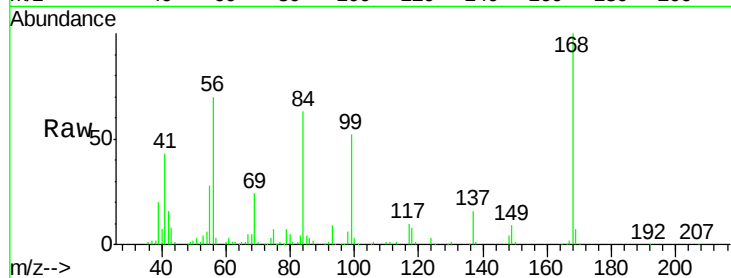
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	275614
Ion Ratio	Lower	Upper	
56	100		
69	34.0	24.7	37.1
84	88.8	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 53.429 ug/l

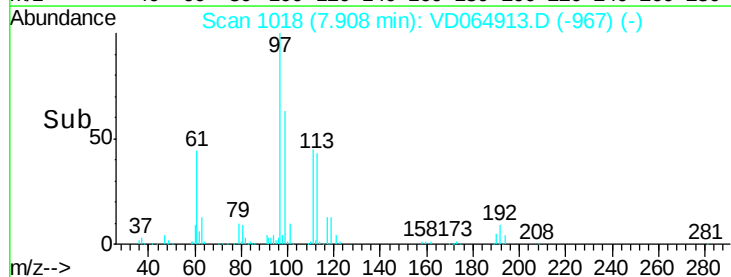
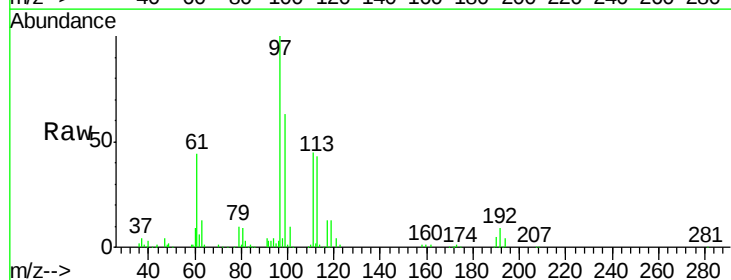
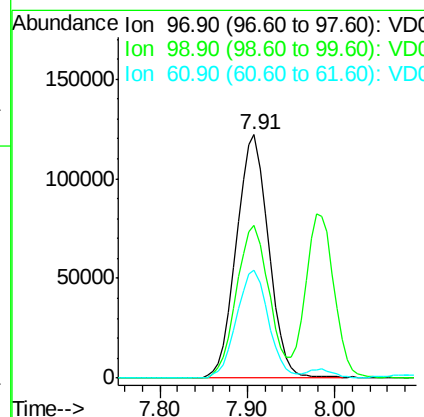
RT: 7.91 min Scan# 1018

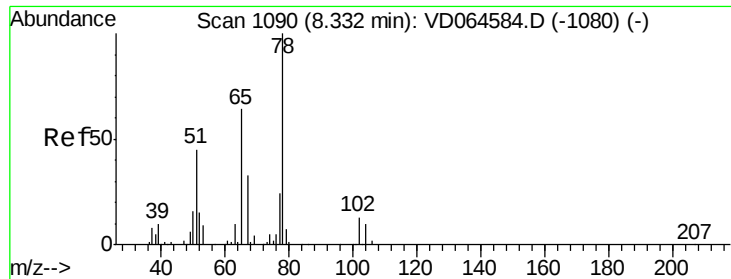
Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion:	97	Resp:	304705
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.0	76.6
61	43.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 50.128 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 155744

Ion Ratio Lower Upper

65 100

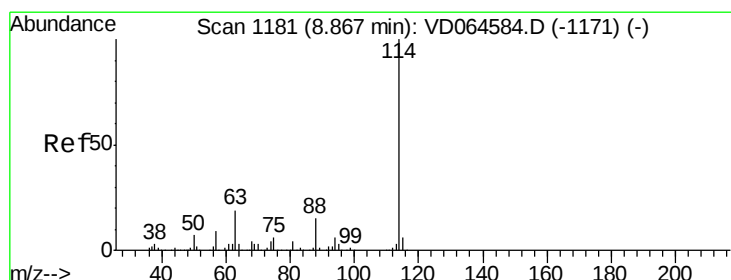
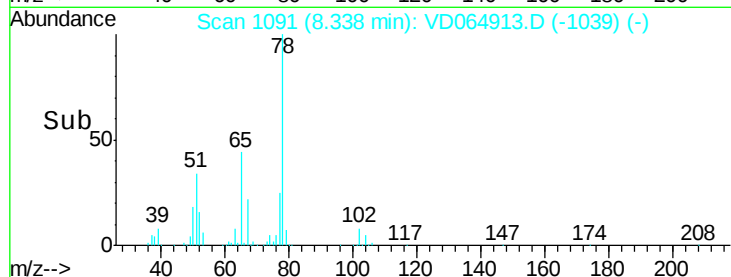
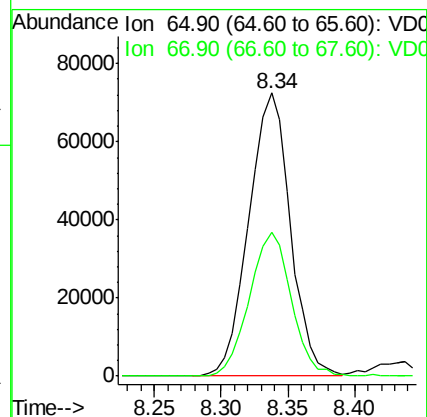
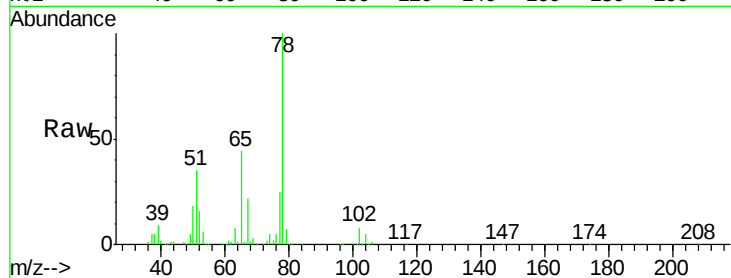
67 51.4 0.0 106.2

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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: VD064913.D

Acq: 21 Jan 2020 17:06

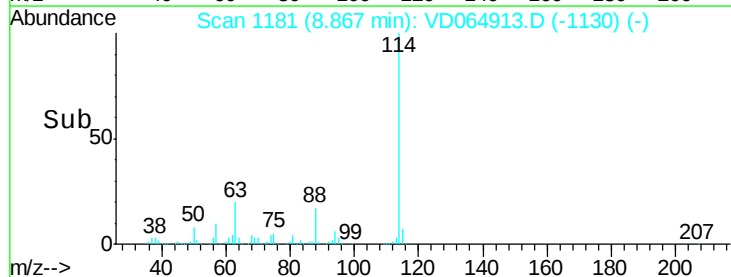
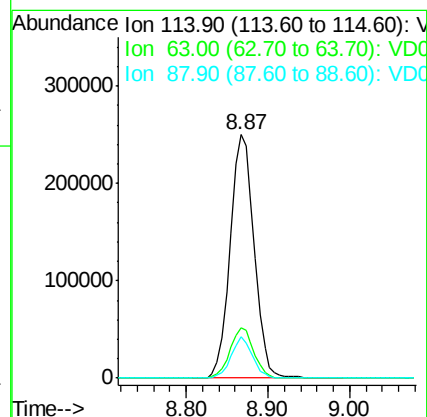
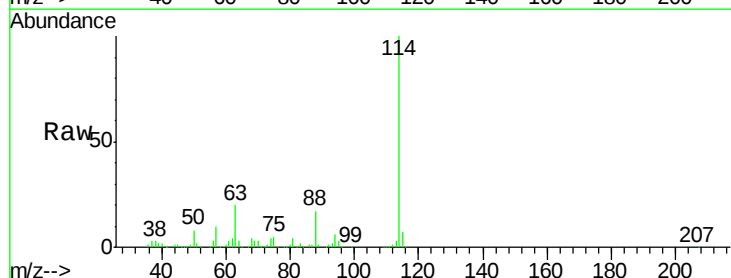
Tgt Ion: 114 Resp: 509409

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

88 16.9 0.0 29.2





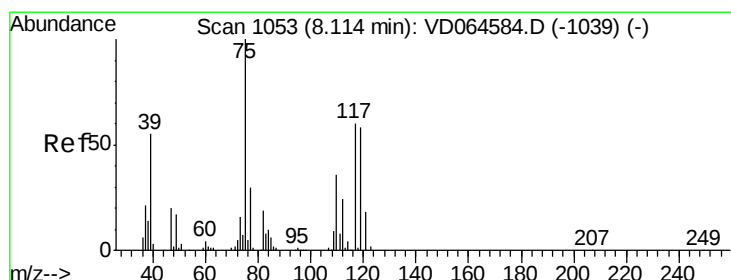
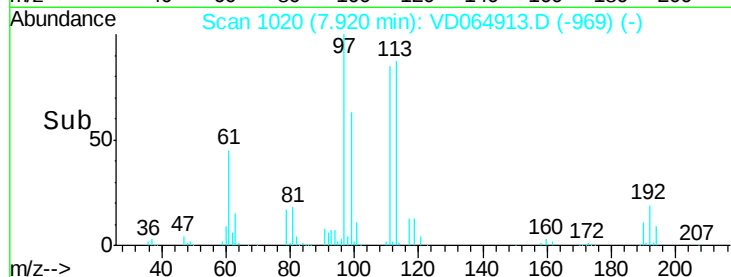
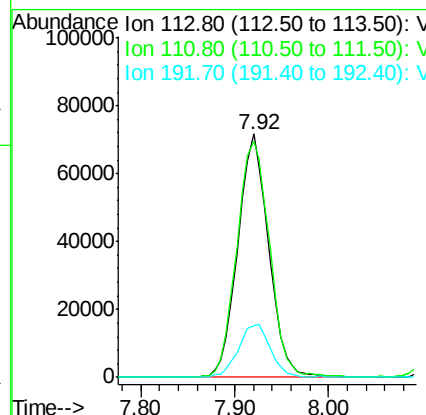
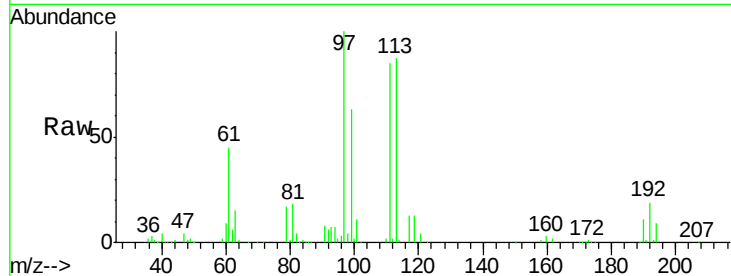
#35
 Dibromofluoromethane
 Concen: 52.297 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163445		
111	103.6	80.6	121.0	
192	22.5	17.9	26.9	

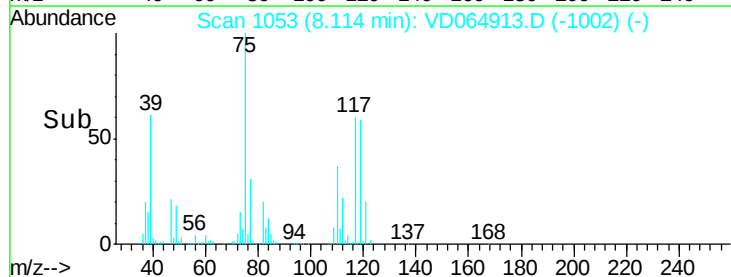
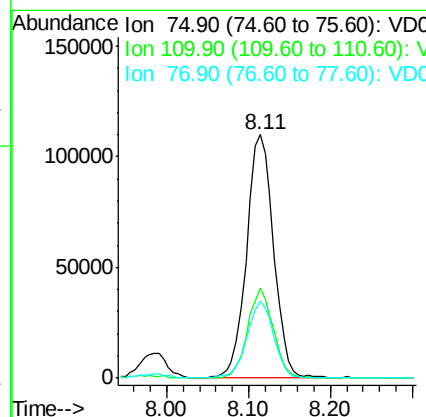
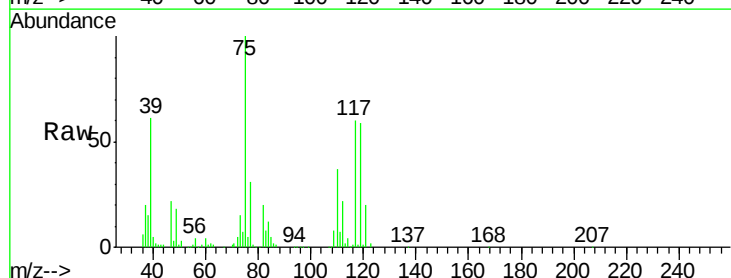
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#36
 1,1-Dichloropropene
 Concen: 51.676 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253370		
110	35.0	18.1	54.1	
77	31.1	24.2	36.4	





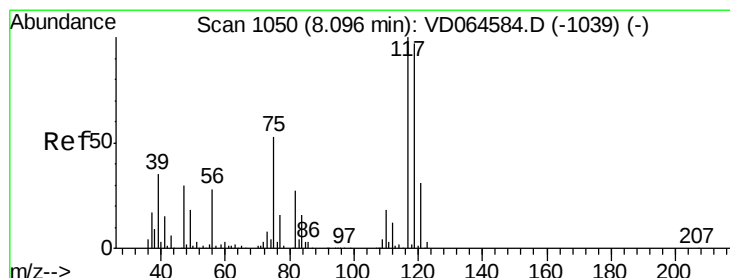
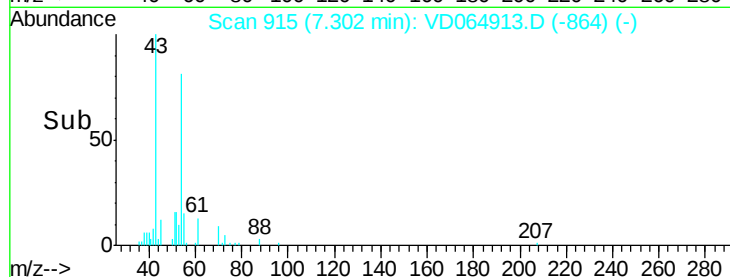
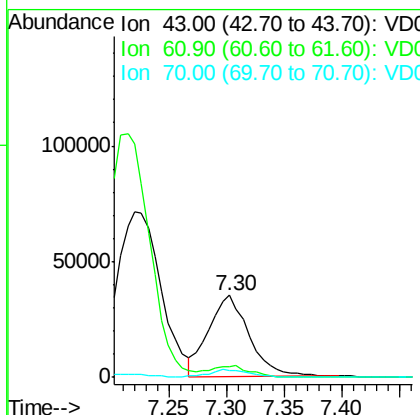
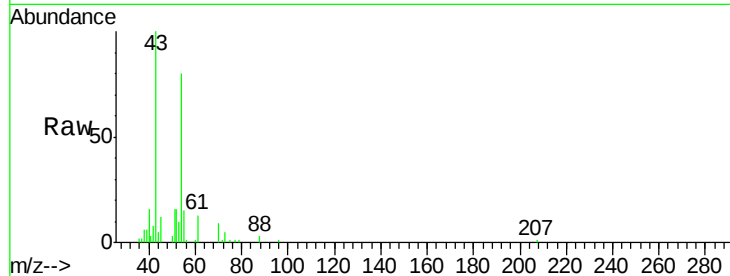
#37
Ethyl Acetate
Concen: 44.089 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.3	15.5
70	9.8	7.6	11.4

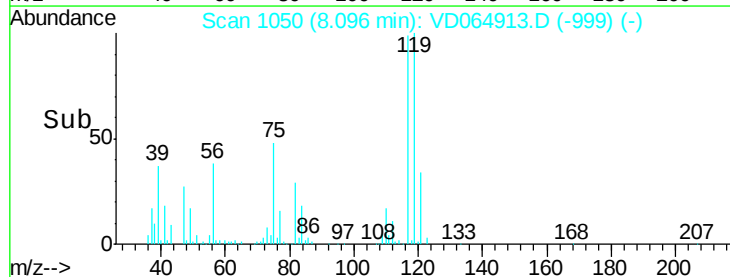
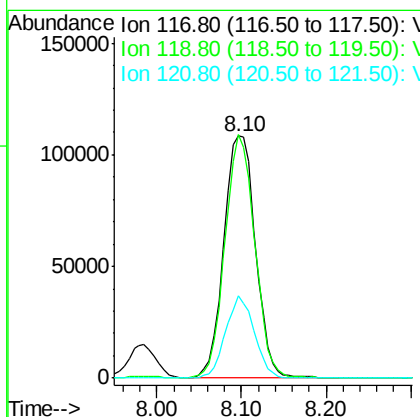
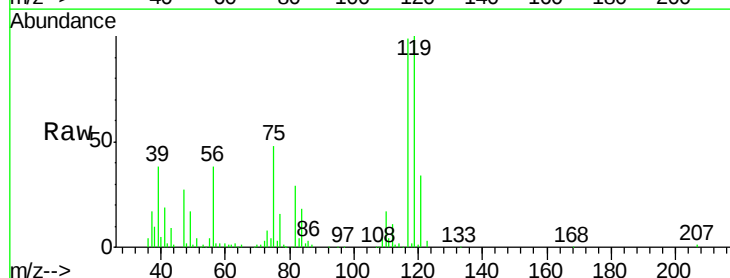
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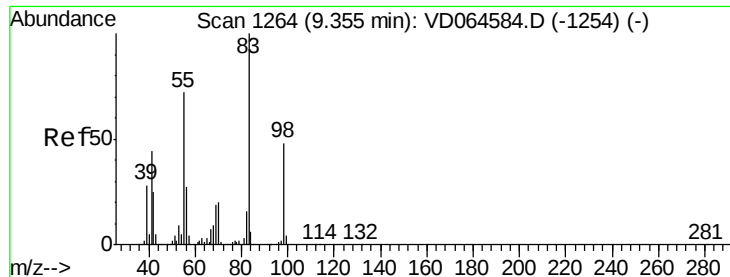
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#38
Carbon Tetrachloride
Concen: 53.340 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.3	115.9
121	34.2	25.0	37.6





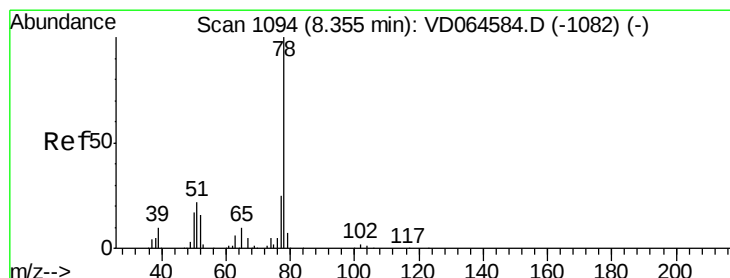
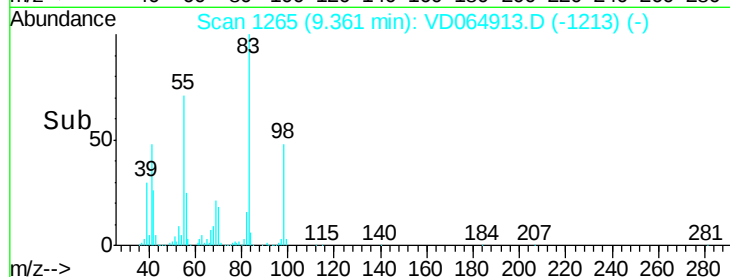
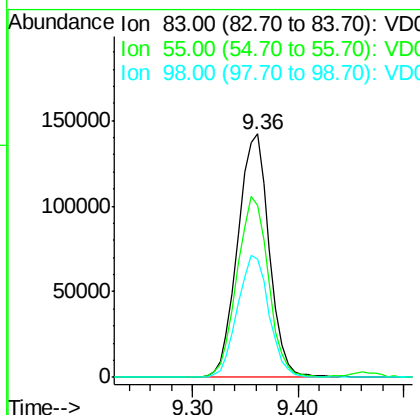
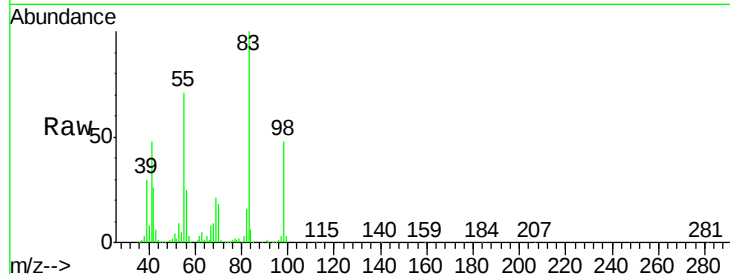
#39
Methvlcvclohexane
Concen: 49.562 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.8	86.6
98	48.4	38.7	58.1

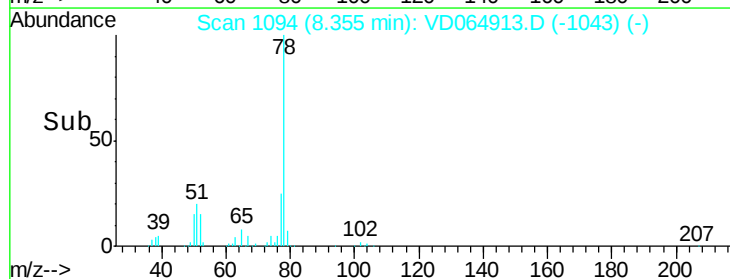
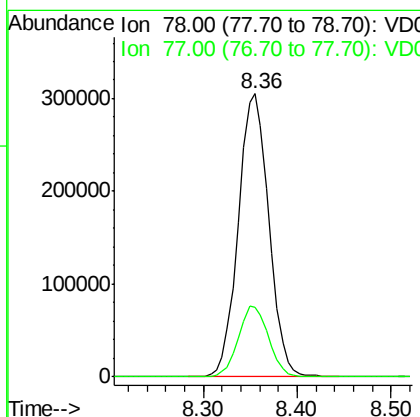
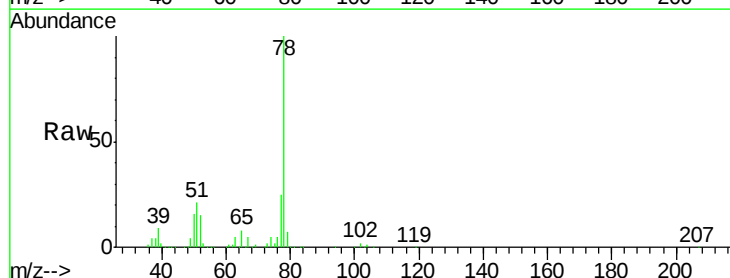
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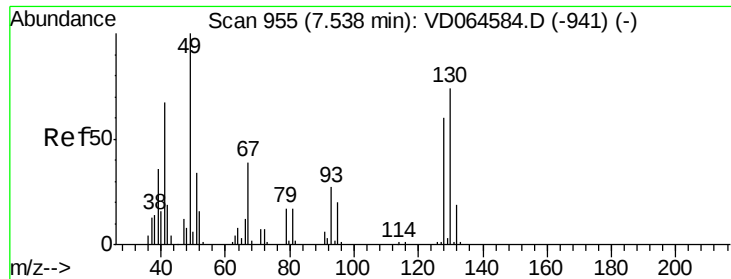
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#40
Benzene
Concen: 51.379 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.9	29.9





#41

Methacrylonitrile

Concen: 51.013 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 57010

Ion Ratio Lower Upper

41 100

39 52.2 46.7 70.1

67 61.5 52.5 78.7

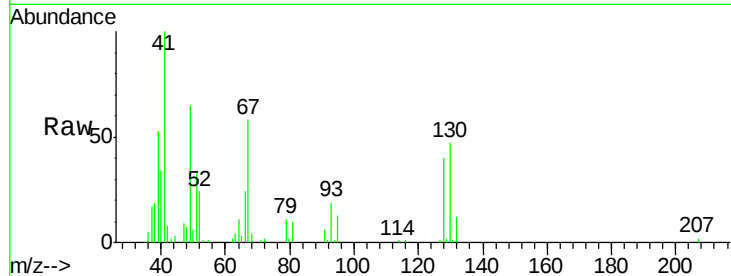
52 25.7 24.1 36.1

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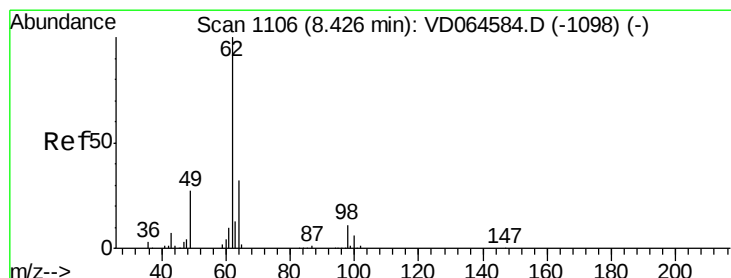
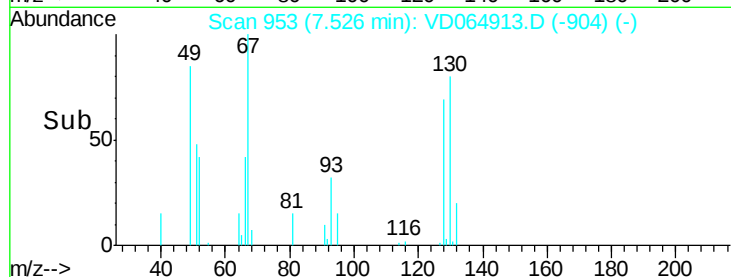
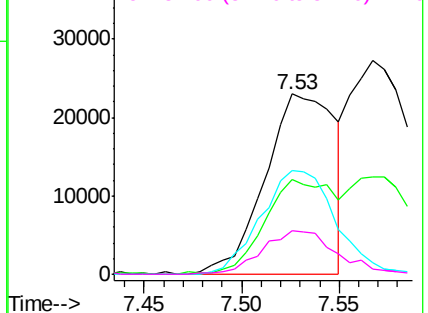


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.791 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064913.D

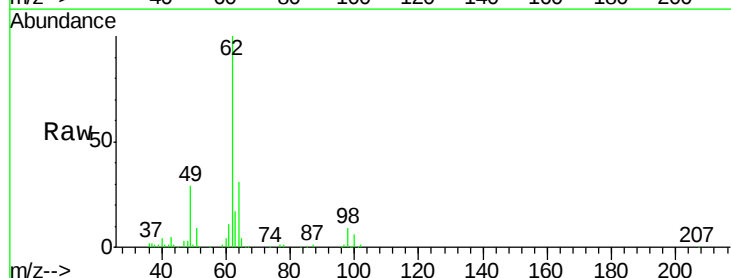
Acq: 21 Jan 2020 17:06

Tgt Ion: 62 Resp: 192586

Ion Ratio Lower Upper

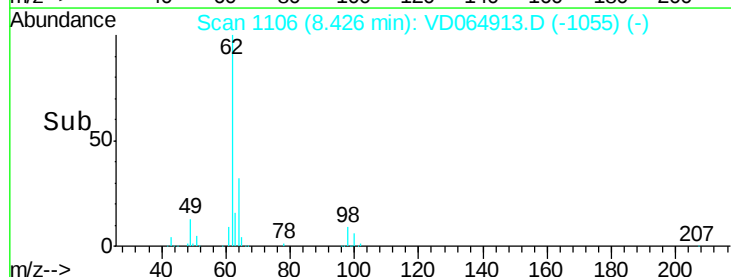
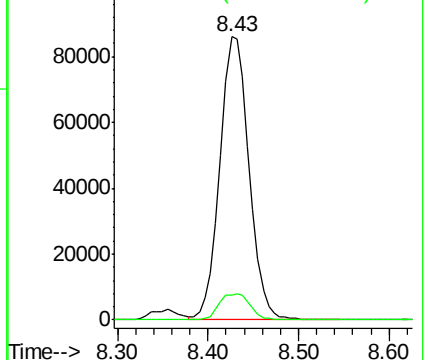
62 100

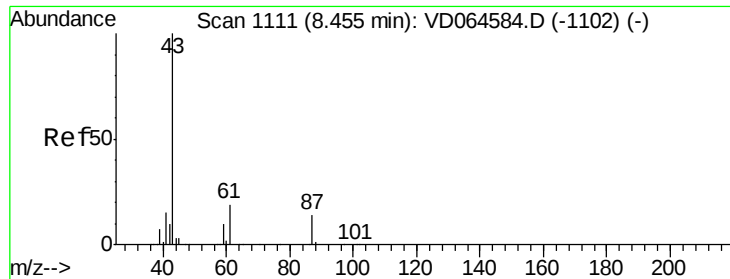
98 9.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

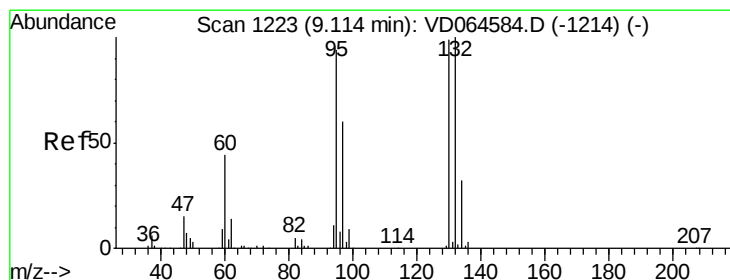
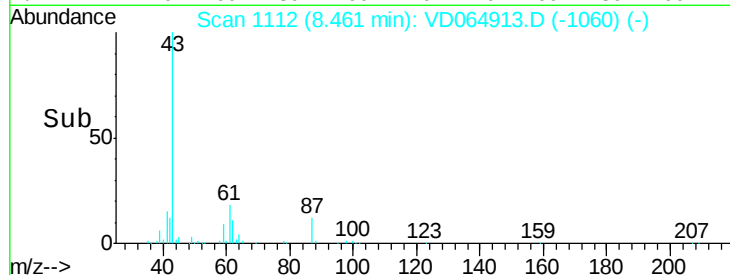
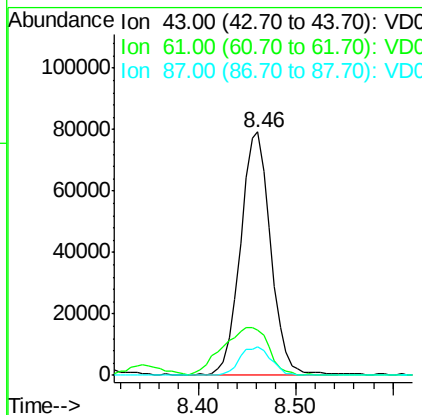
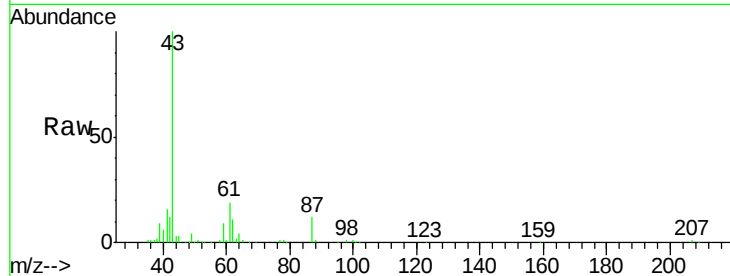
Isopropyl Acetate
 Concen: 44.711 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.7	35.5
87	12.2	10.5	15.7

Manual Integrations
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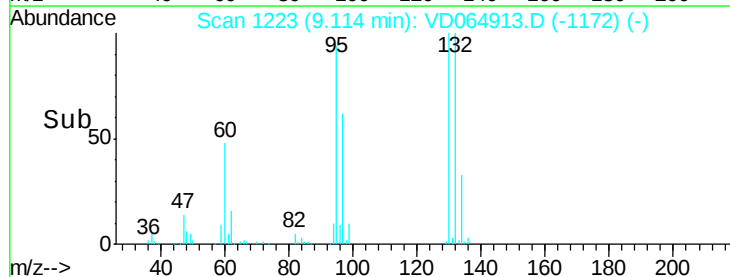
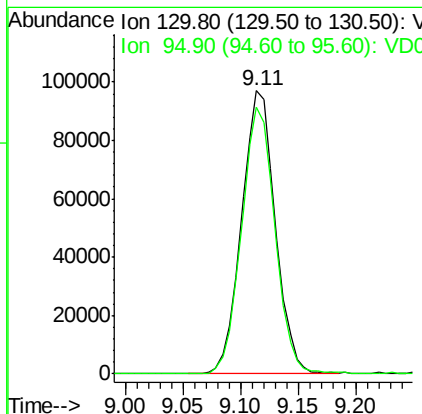
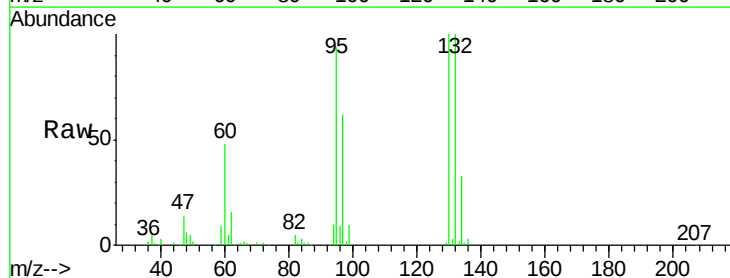
MMDadoda
 1/22/2020 10:49:33 AM



#44

Trichloroethene
 Concen: 49.959 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.2





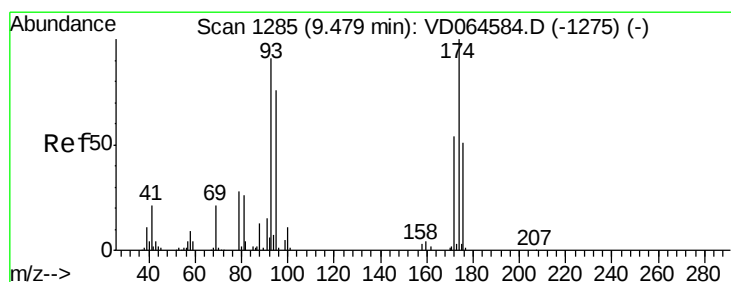
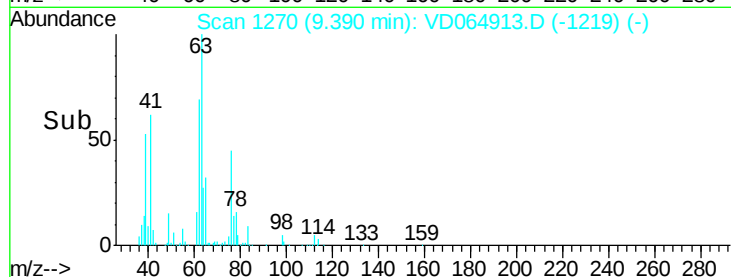
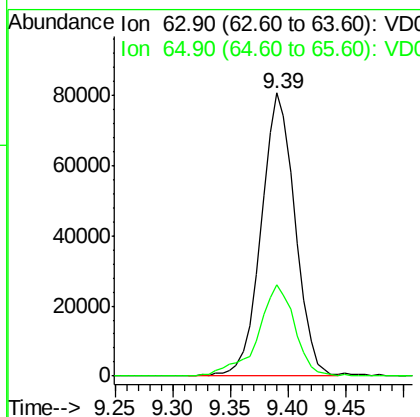
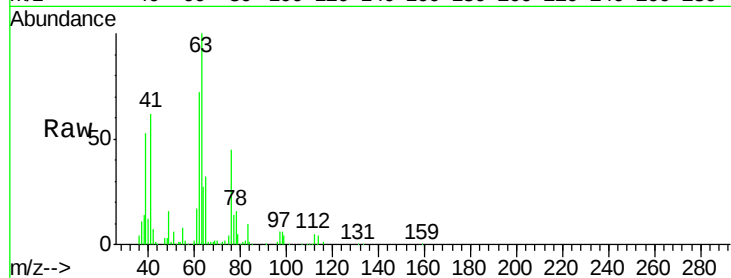
#45
 1,2-Dichloropropane
 Concen: 51.639 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8

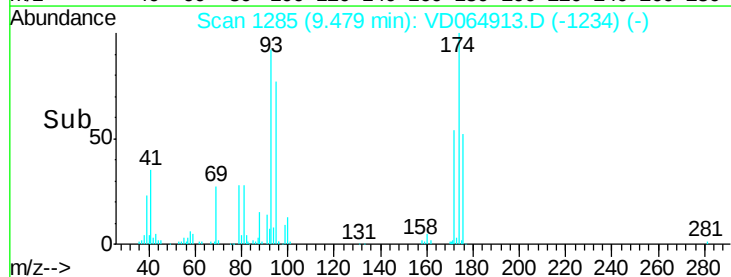
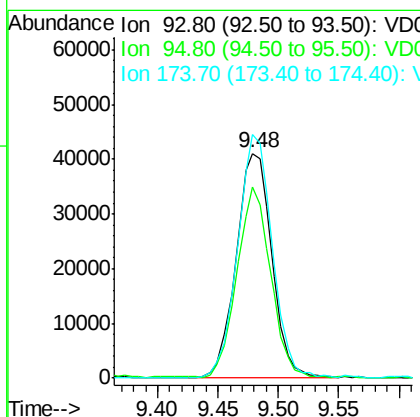
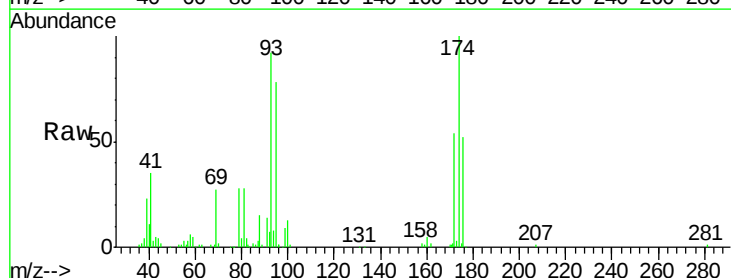
Manual Integrations
 APPROVED

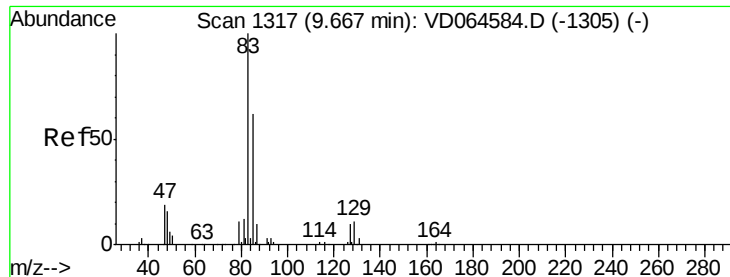
MMDadoda
 1/22/2020 10:49:33 AM



#46
 Dibromomethane
 Concen: 47.562 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	64.6	97.0
174	105.5	88.1	132.1





#47

Bromodichloromethane

Concen: 51.800 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

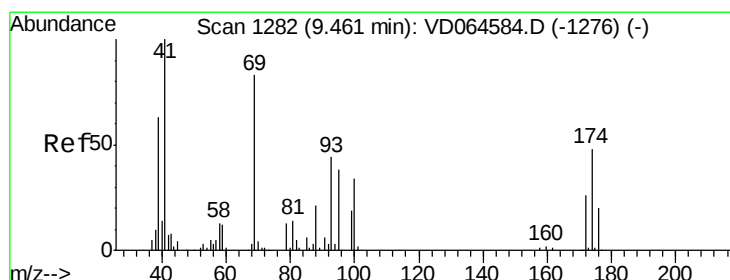
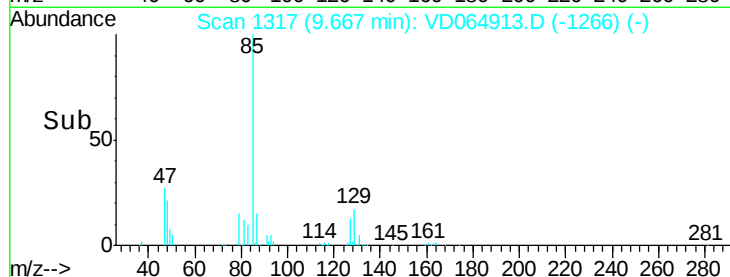
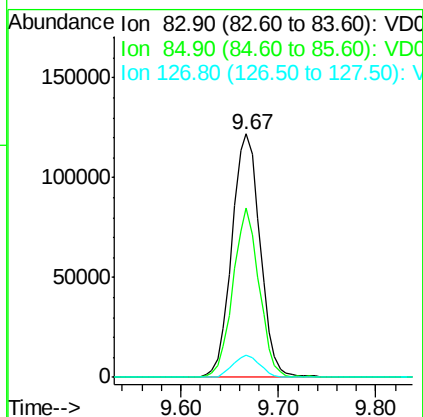
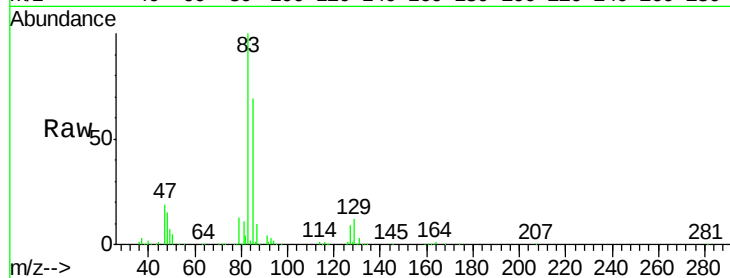
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	245593
Ion	Ratio	Lower	Upper
83	100		
85	69.4	49.5	74.3
127	9.0	7.8	11.6

Manual Integrations
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1/22/2020 10:49:33 AM



#48

Methyl methacrylate

Concen: 45.917 ug/l

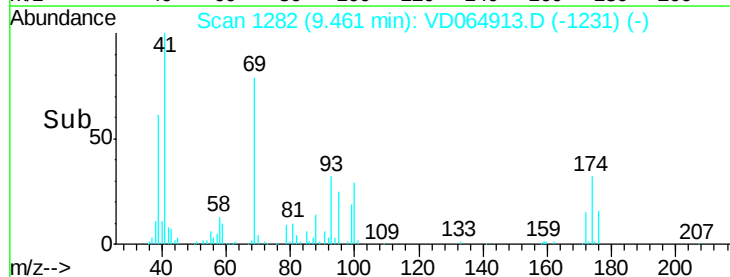
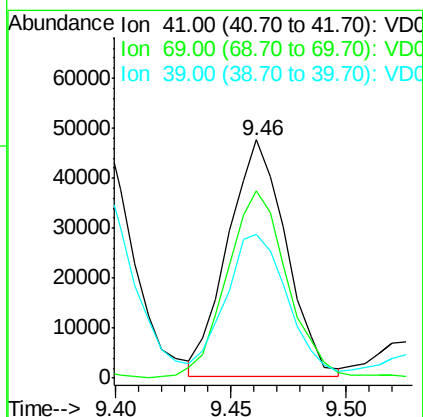
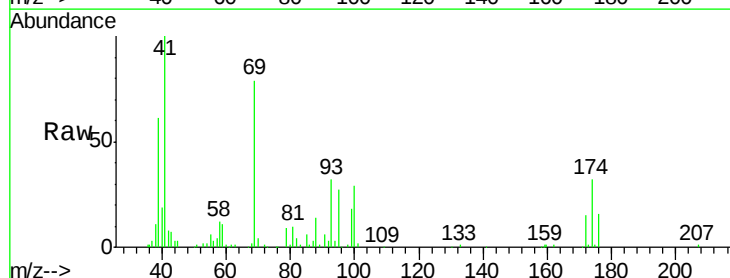
RT: 9.46 min Scan# 1282

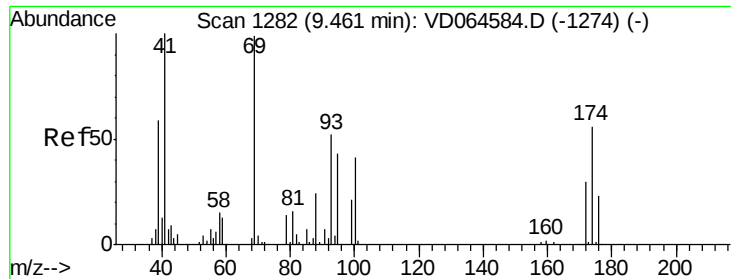
Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion:	41	Resp:	82890
Ion	Ratio	Lower	Upper
41	100		
69	83.0	63.0	94.6
39	59.6	47.4	71.2





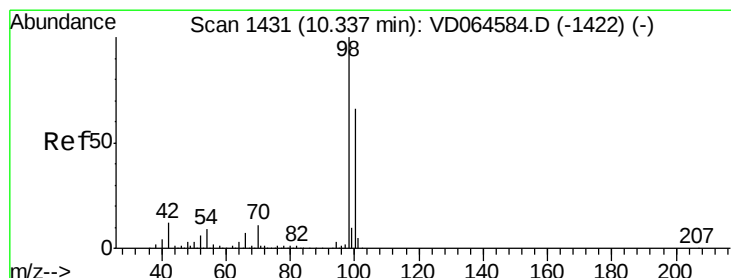
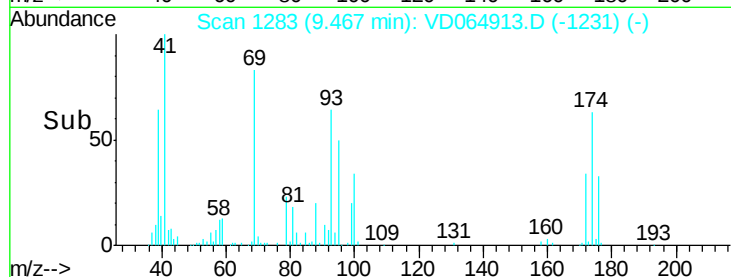
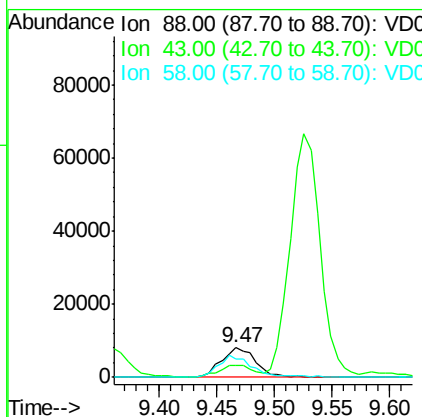
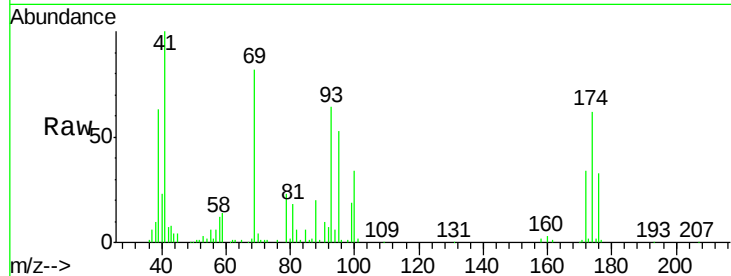
#49
1,4-Dioxane
Concen: 824.290 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 16935
Ion Ratio Lower Upper
88 100
43 43.6 27.7 41.5#
58 69.4 53.8 80.6

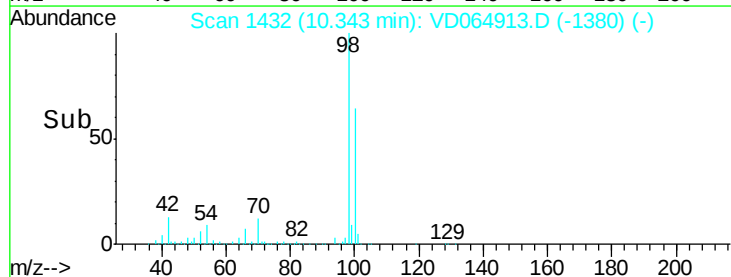
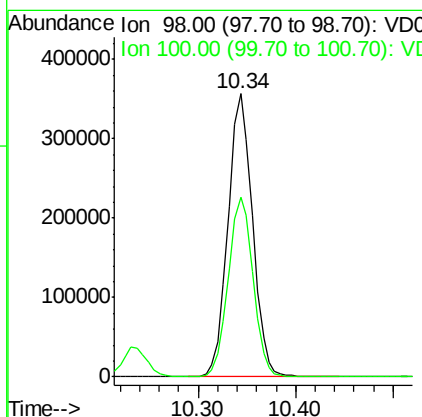
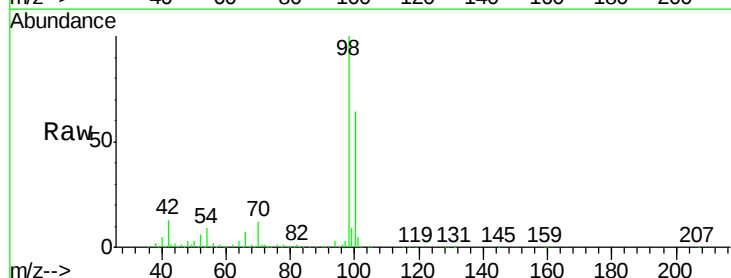
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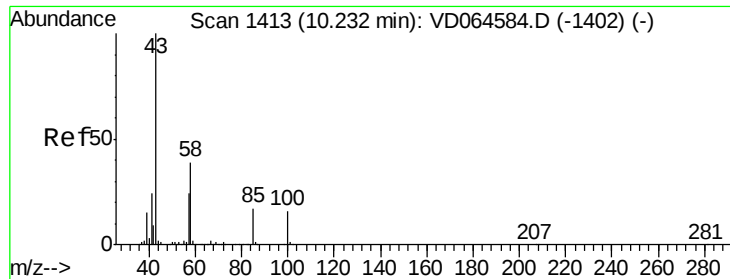
MMDadoda
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#50
Toluene-d8
Concen: 52.120 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 98 Resp: 623855
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5





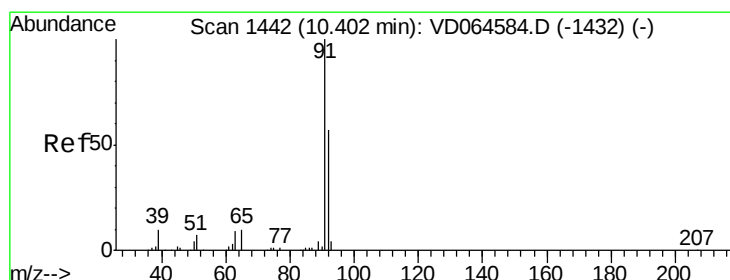
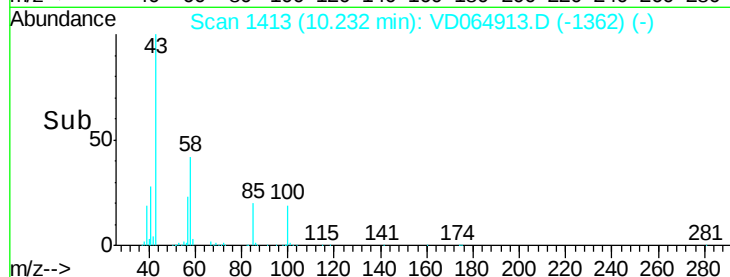
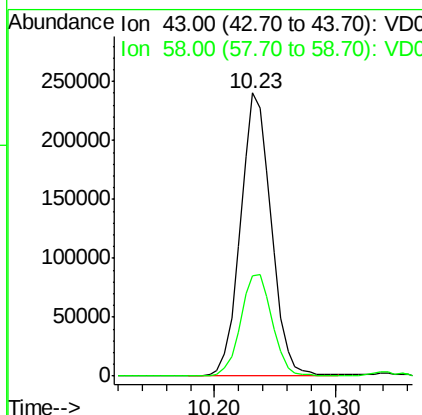
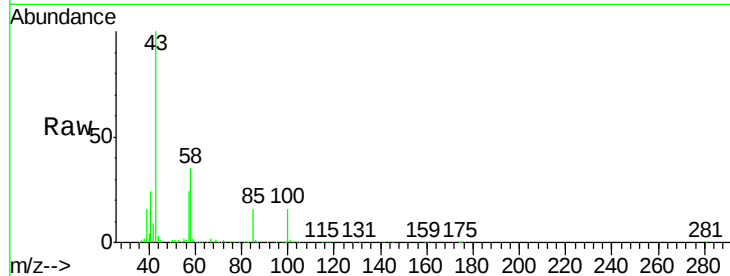
#51
4-Methyl-2-Pentanone
Concen: 224.883 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.2	45.2

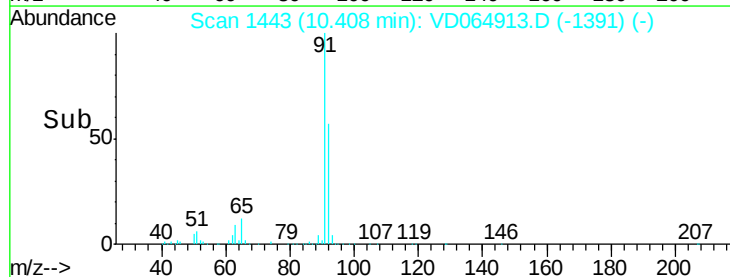
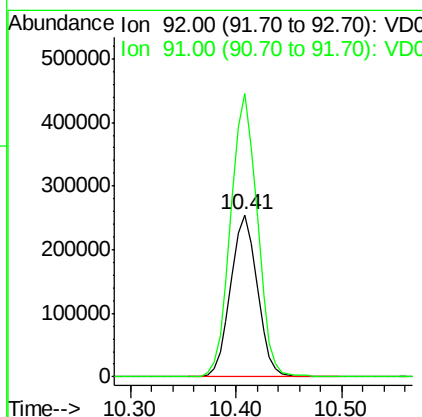
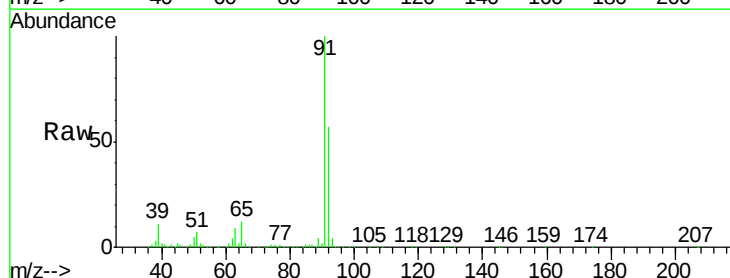
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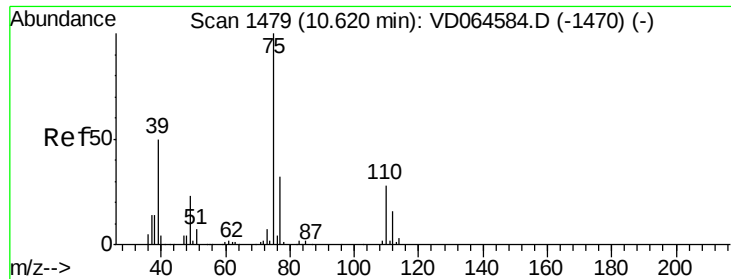
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#52
Toluene
Concen: 50.580 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	138.7	208.1





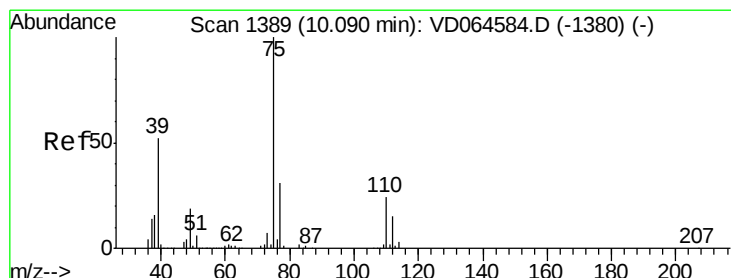
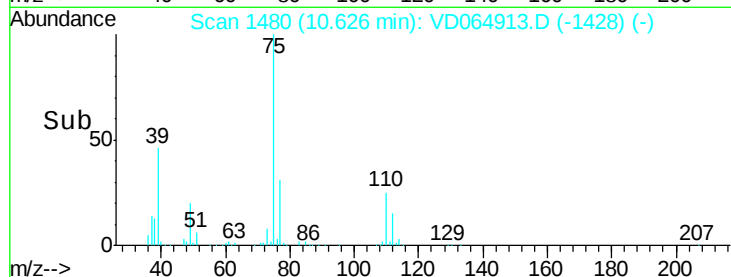
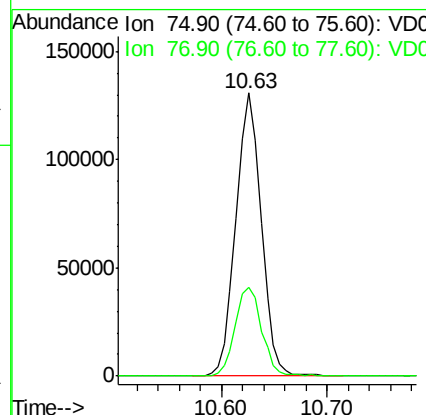
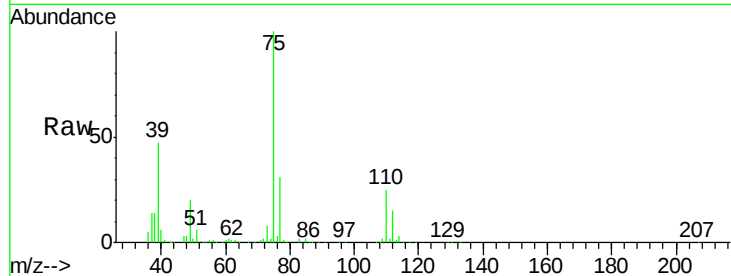
#53
t-1,3-Dichloropropene
Concen: 49.280 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 217836
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

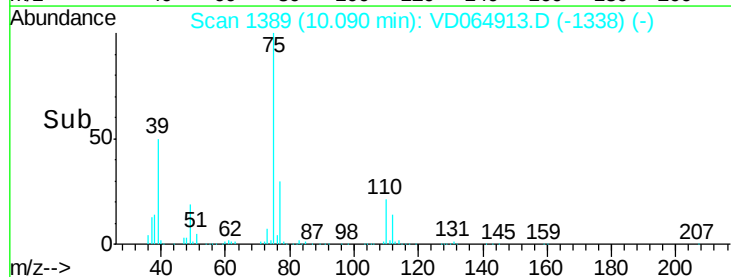
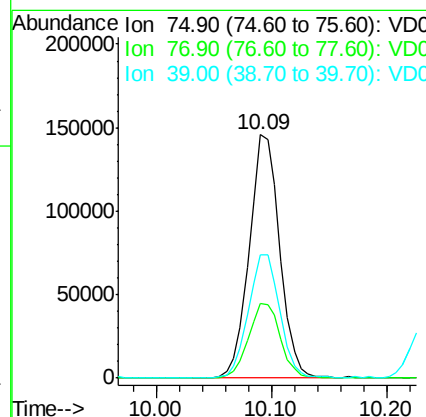
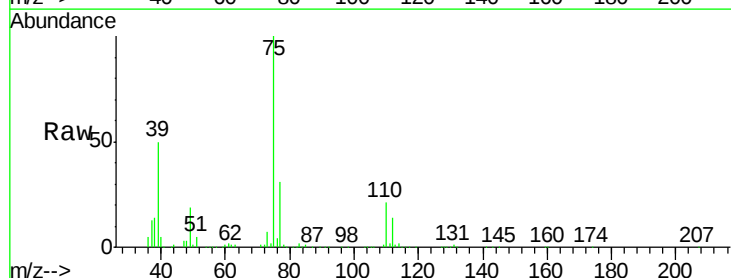
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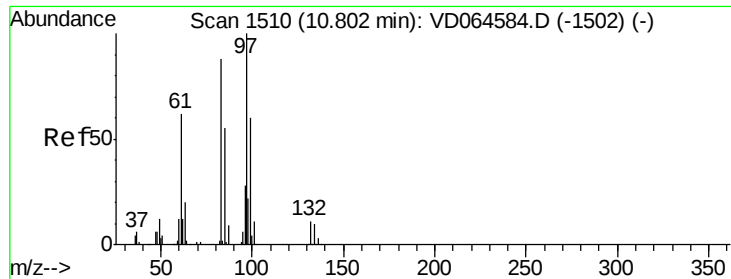
MMDadoda
1/22/2020 10:49:33 AM



#54
cis-1,3-Dichloropropene
Concen: 51.339 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 75 Resp: 267588
Ion Ratio Lower Upper
75 100
77 30.3 24.6 36.8
39 50.2 41.4 62.2





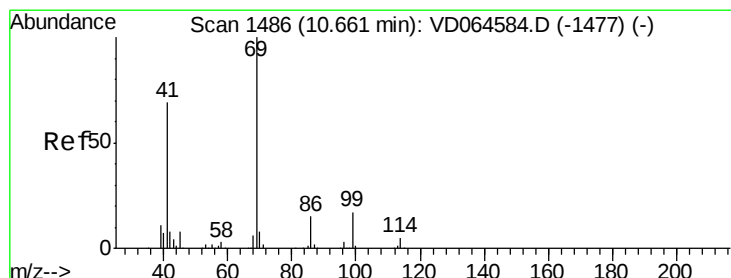
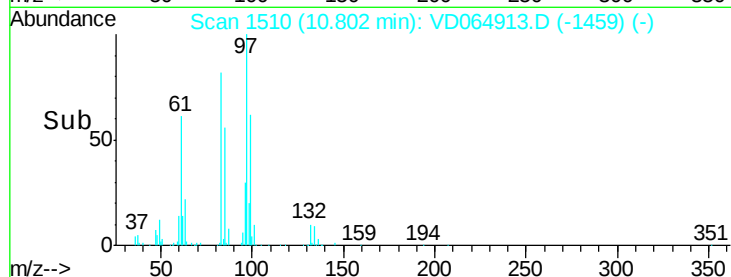
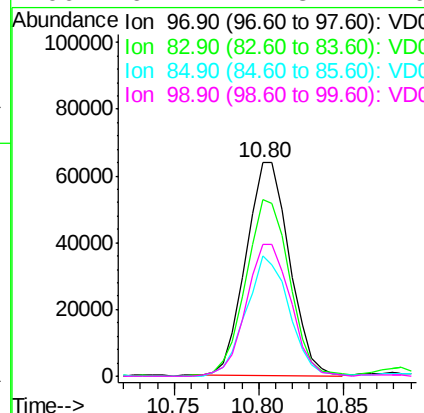
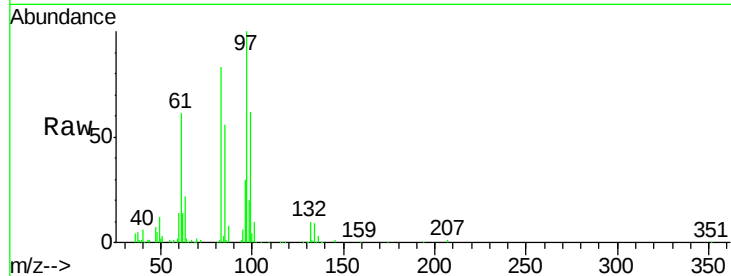
#55
 1,1,2-Trichloroethane
 Concen: 47.965 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.2	105.4
85	56.6	44.0	66.0
99	62.2	47.8	71.6

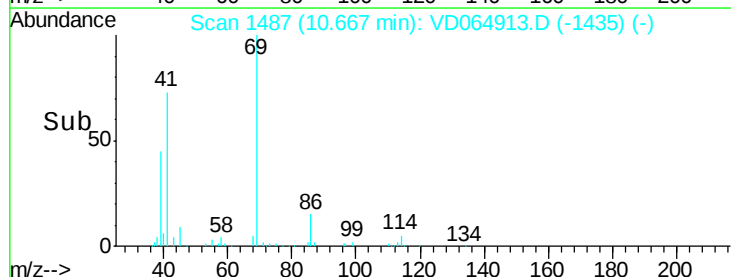
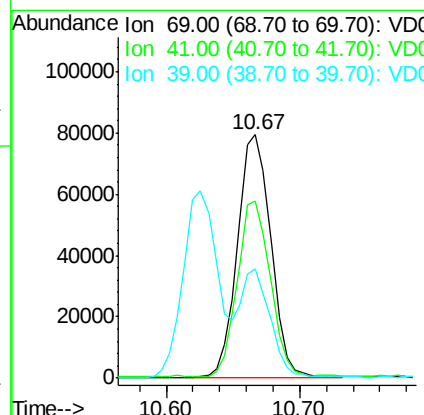
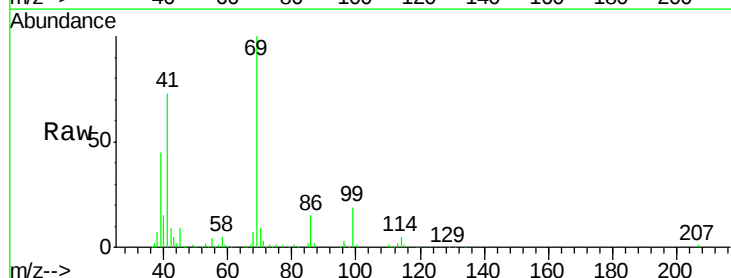
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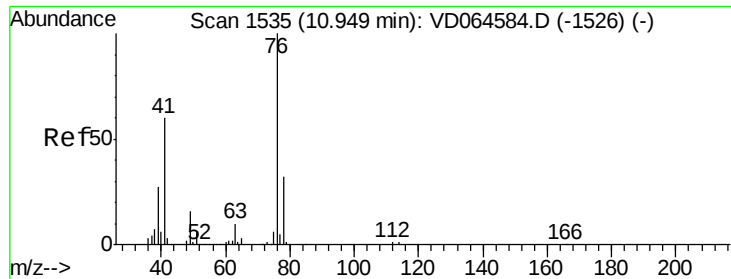
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#56
 Ethyl methacrylate
 Concen: 46.340 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.3	82.9
39	40.2	33.8	50.8





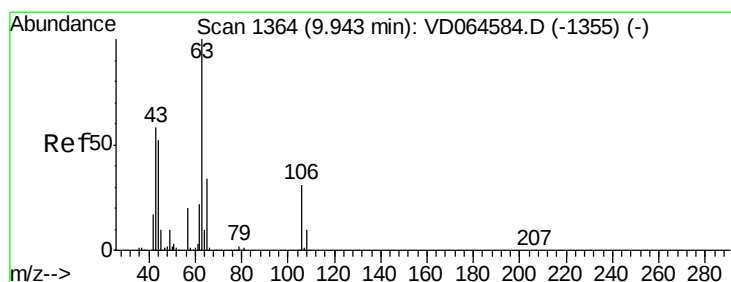
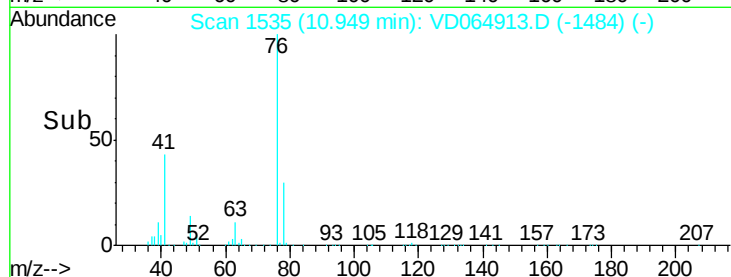
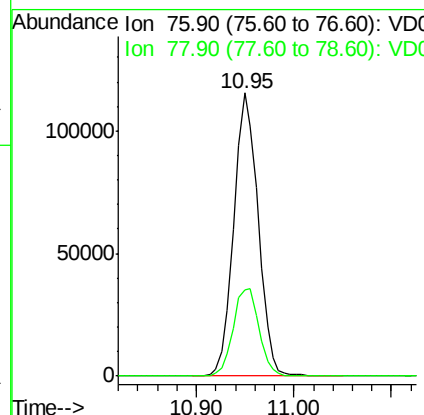
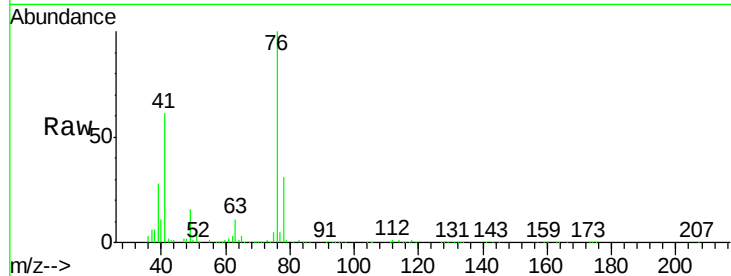
#57
 1,3-Dichloropropane
 Concen: 48.475 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 200416
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.4

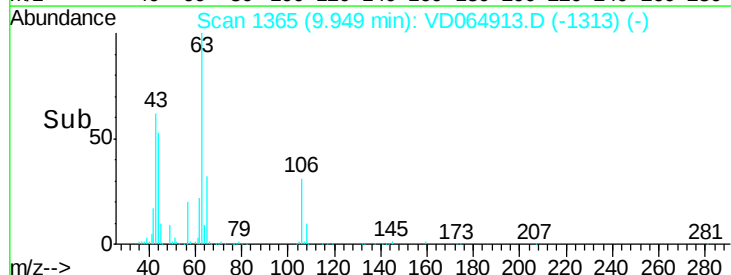
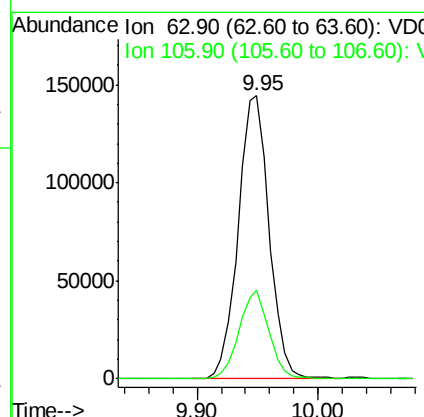
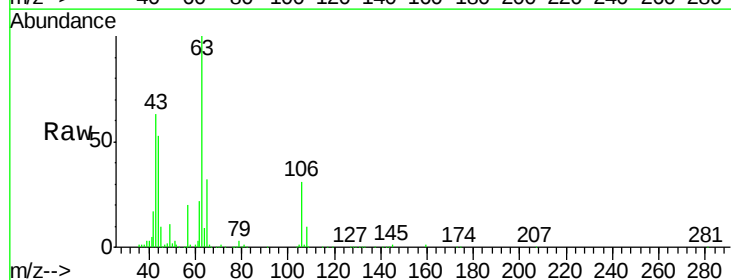
Manual Integrations
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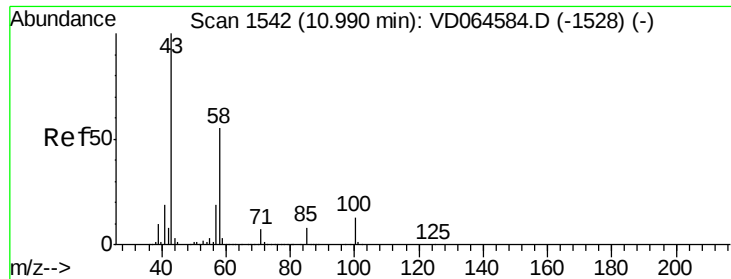
MMDadoda
 1/22/2020 10:49:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.070 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion: 63 Resp: 258291
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.8 35.8





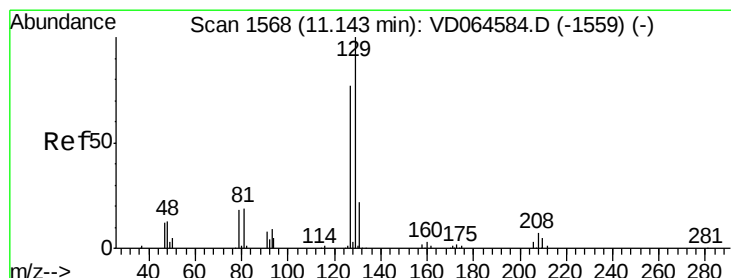
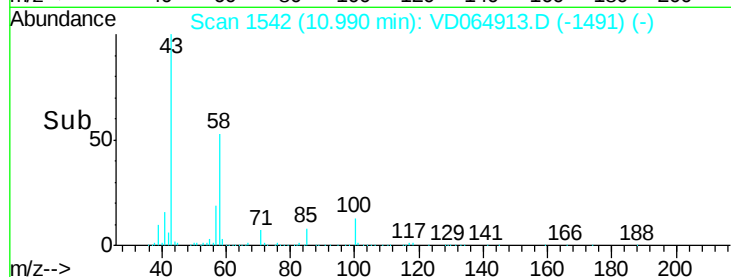
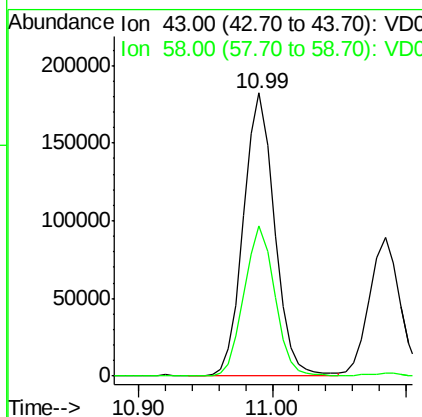
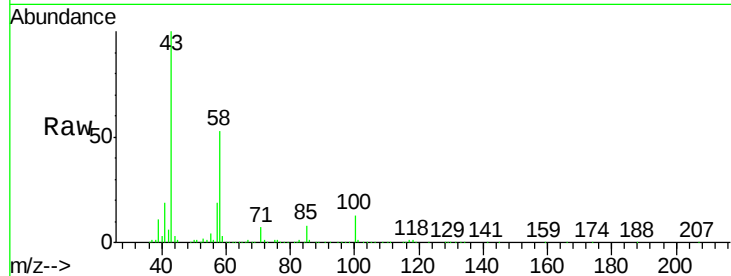
#59
2-Hexanone
Concen: 226.298 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 291059
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

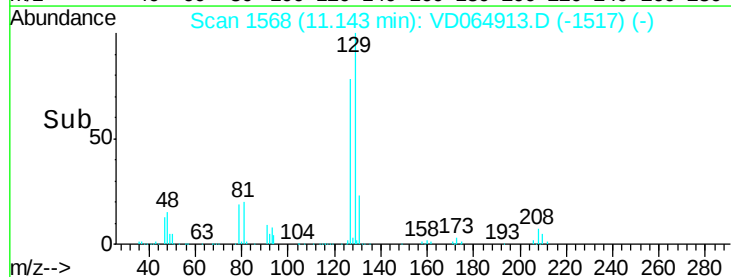
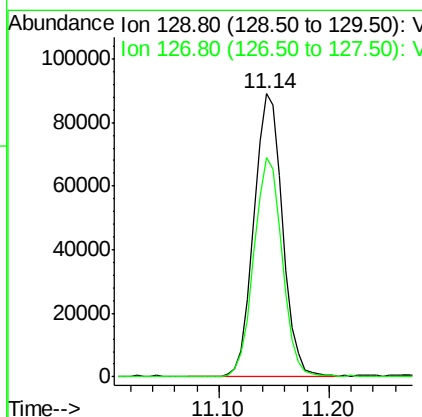
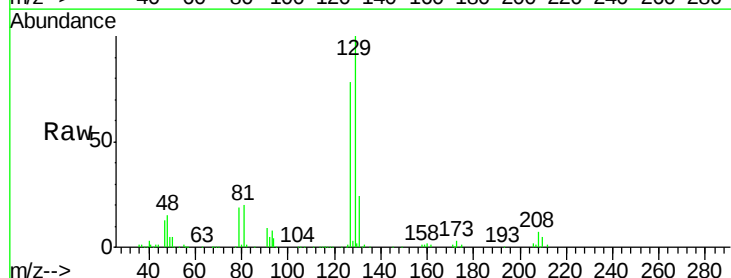
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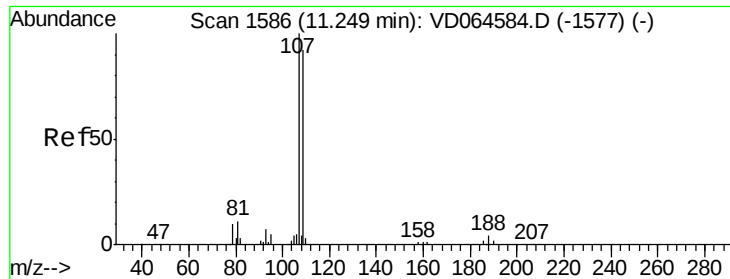
MMDadoda
1/22/2020 10:49:33 AM



#60
Dibromochloromethane
Concen: 48.997 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 129 Resp: 162700
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





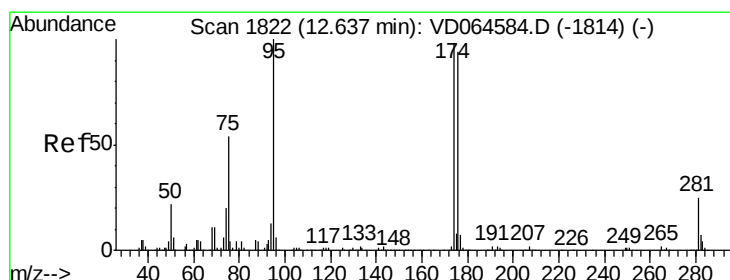
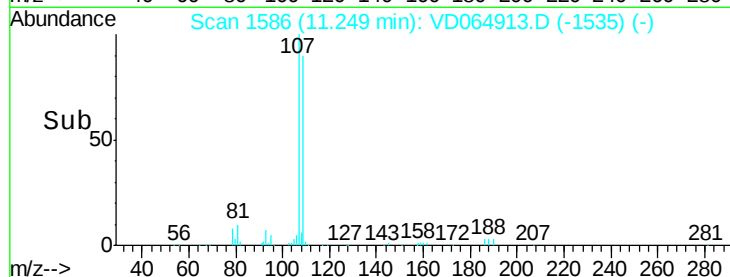
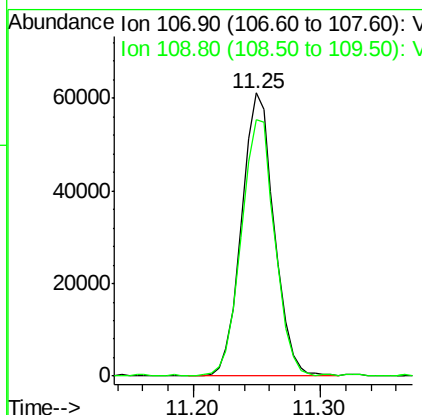
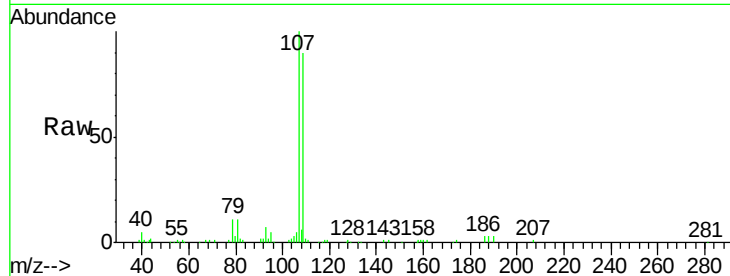
#61
 1,2-Dibromoethane
 Concen: 46.064 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 109098
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.6 113.4

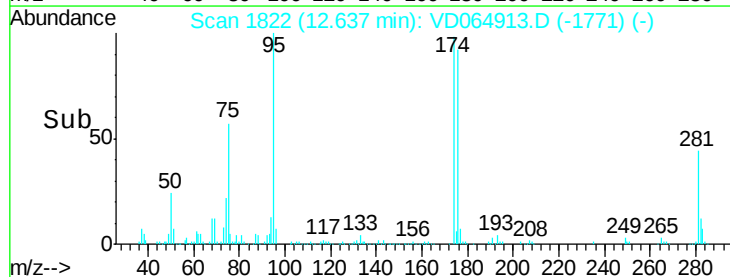
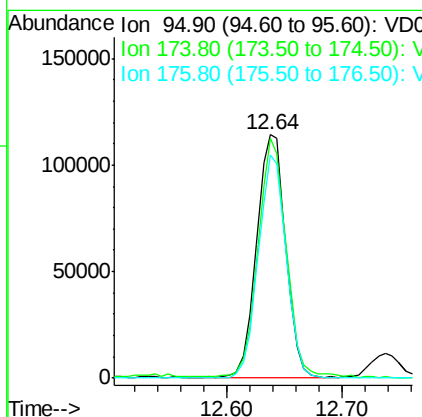
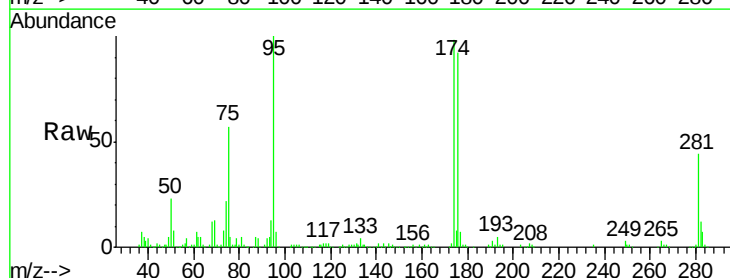
Manual Integrations
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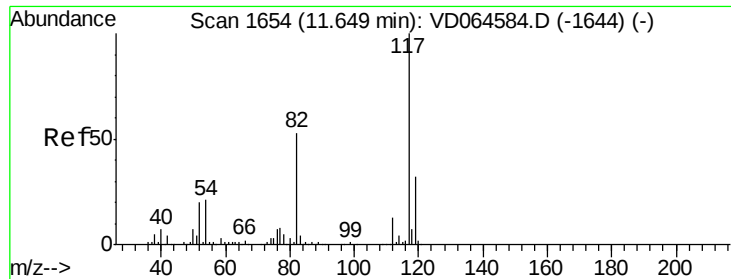
MMDadoda
 1/22/2020 10:49:33 AM



#62
 4-Bromofluorobenzene
 Concen: 52.603 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion: 95 Resp: 199098
 Ion Ratio Lower Upper
 95 100
 174 97.7 0.0 193.2
 176 88.8 0.0 184.2





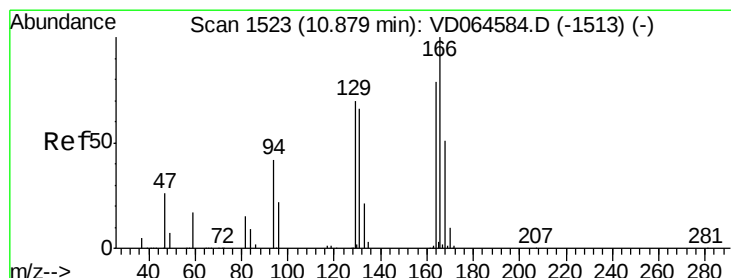
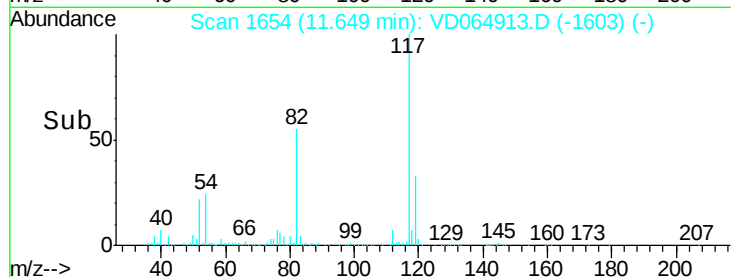
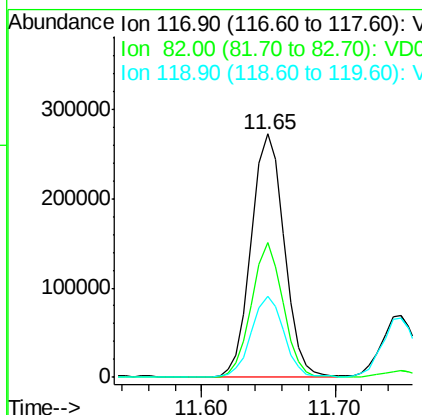
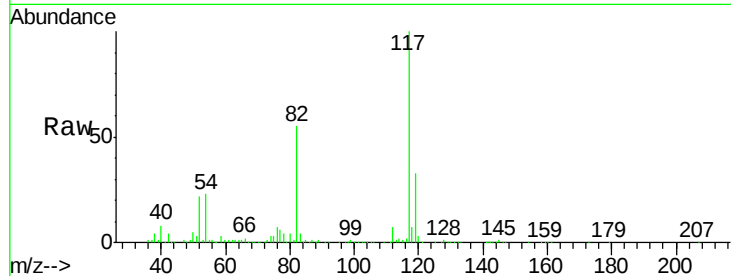
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.2	63.4
119	33.3	26.0	39.0

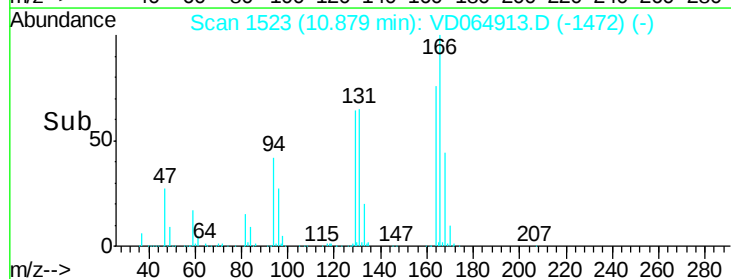
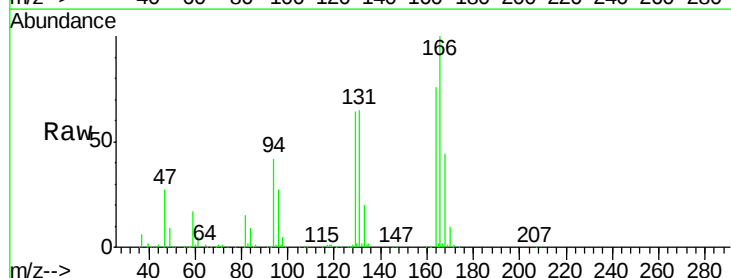
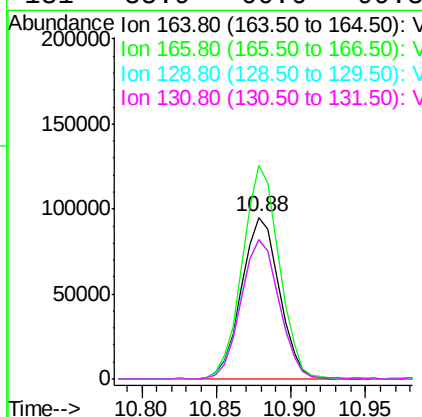
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.089 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.3	151.9
129	85.4	70.5	105.7
131	85.9	66.6	99.8





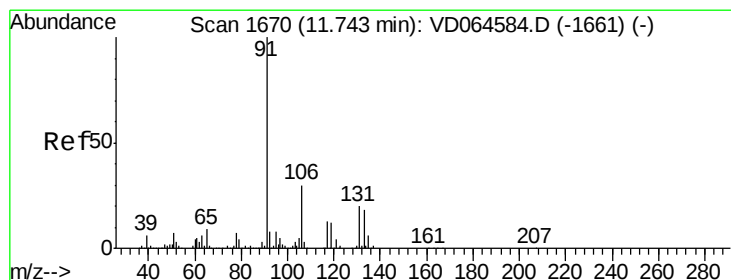
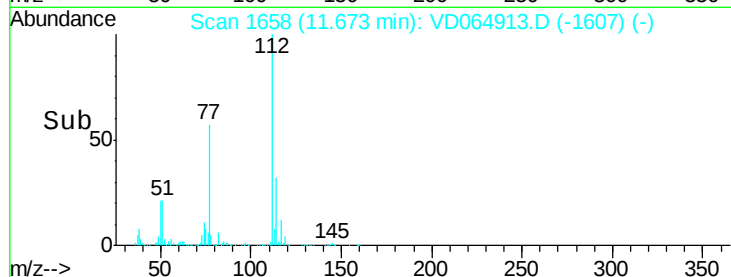
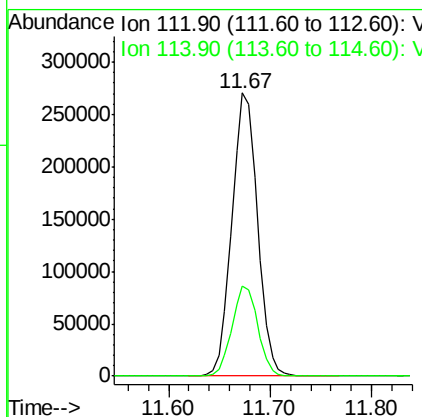
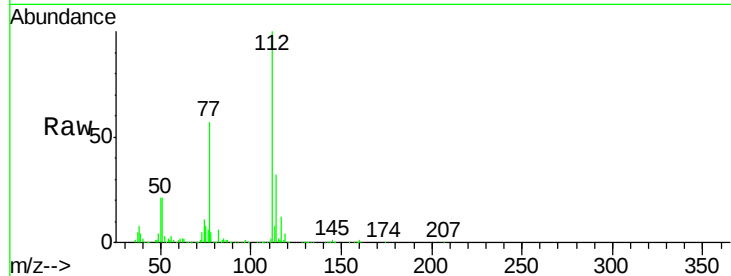
#65
Chlorobenzene
Concen: 49.497 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

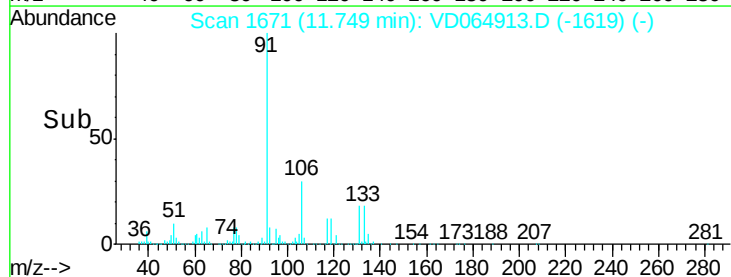
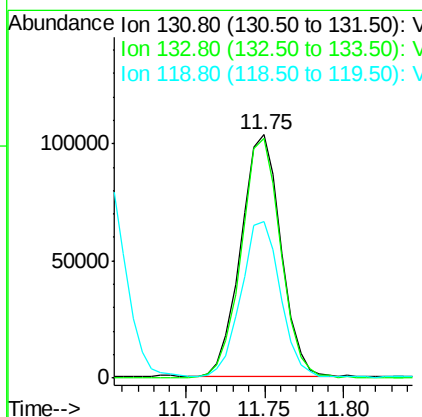
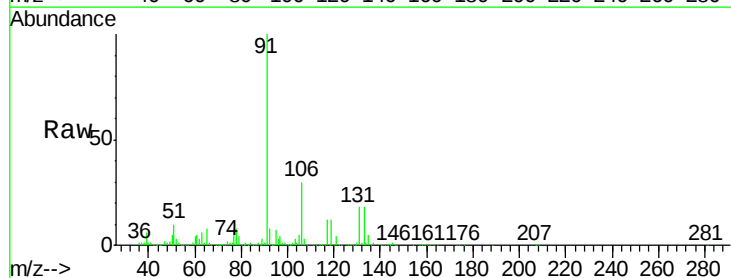
Manual Integrations
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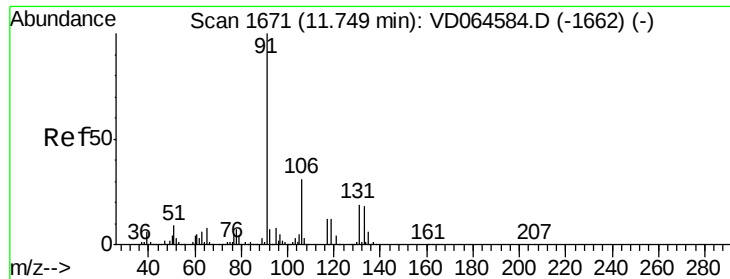
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.058 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	48.3	144.8
119	63.2	32.1	96.3





#67

Ethyl Benzene

Concen: 51.326 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 895544

Ion Ratio Lower Upper

91 100

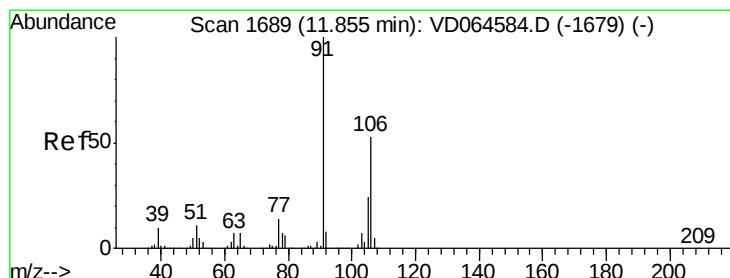
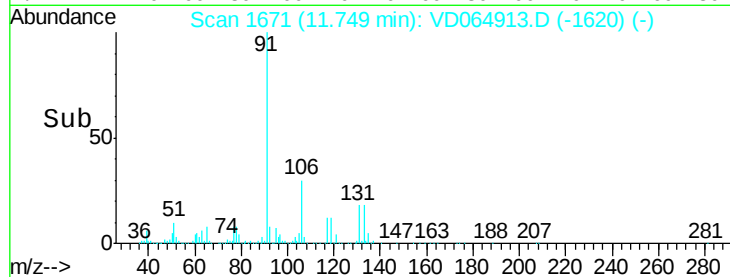
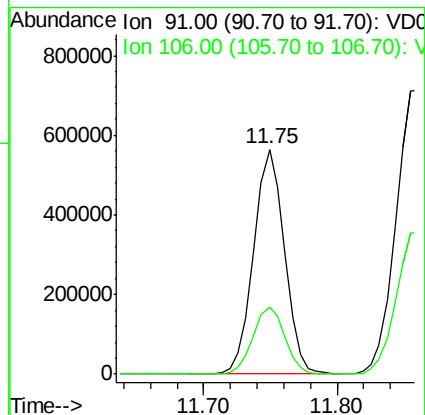
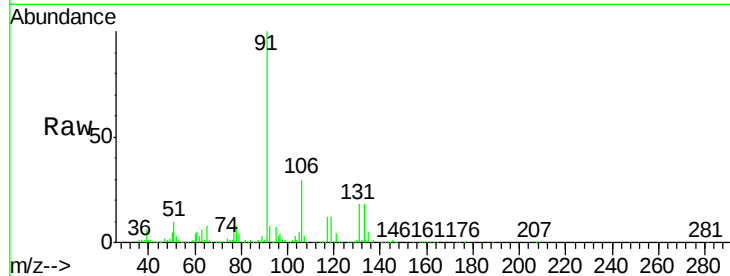
106 29.7 24.6 36.8

Manual Integrations

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1/22/2020 10:49:33 AM



#68

m/p-Xylenes

Concen: 101.466 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064913.D

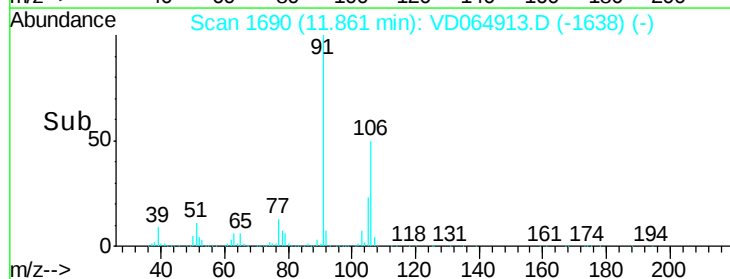
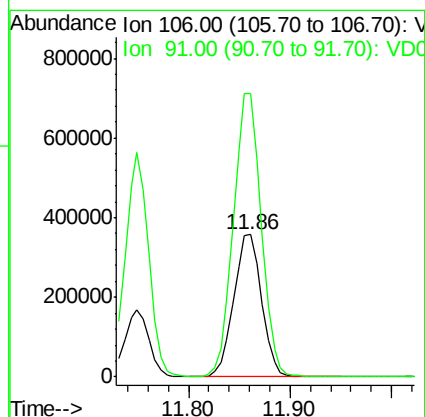
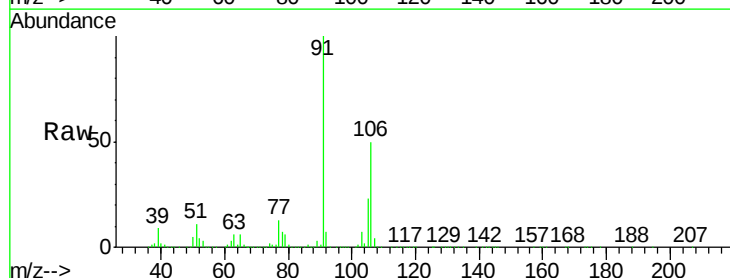
Acq: 21 Jan 2020 17:06

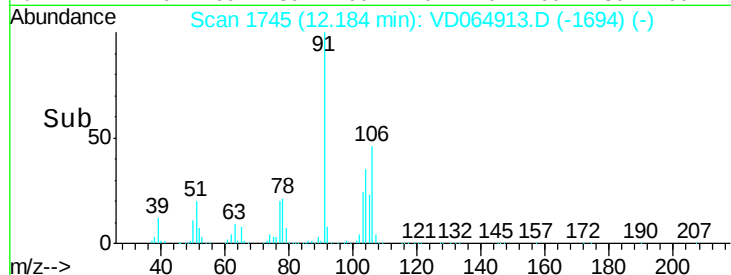
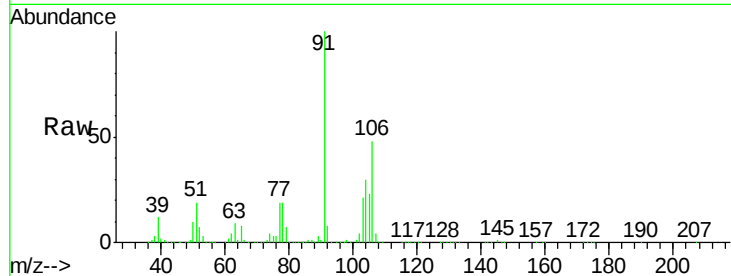
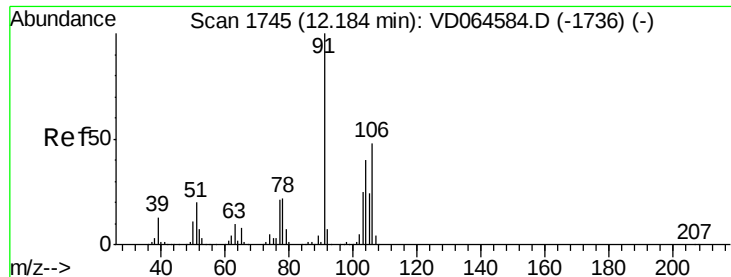
Tgt Ion: 106 Resp: 683330

Ion Ratio Lower Upper

106 100

91 197.9 156.3 234.5





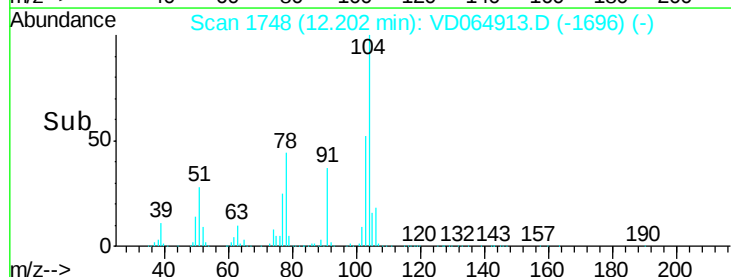
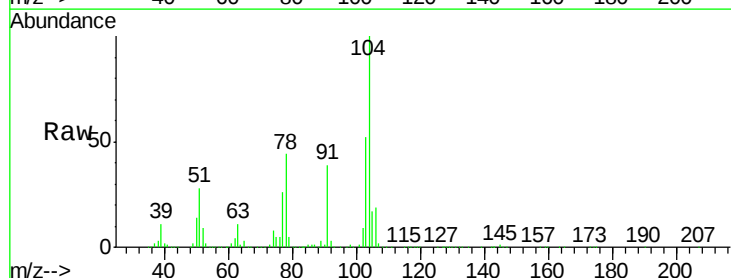
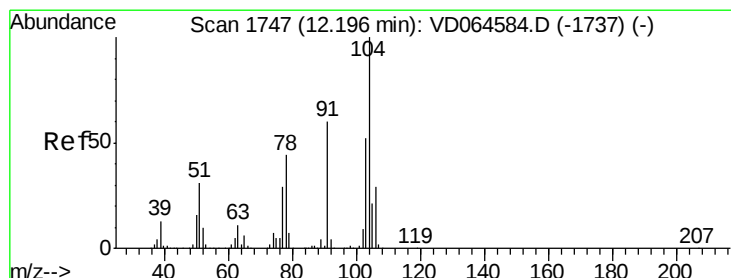
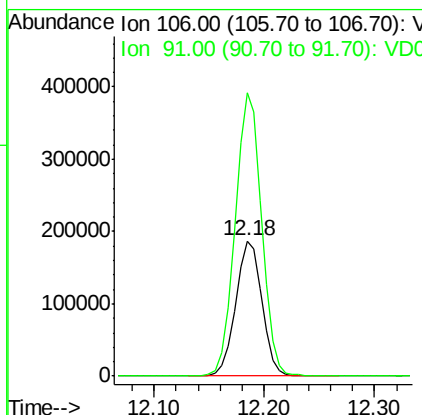
#69
o-Xylene
Concen: 51.386 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tot Ion: 106 Resp: 312579
Ion Ratio Lower Upper
106 100
91 209.5 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

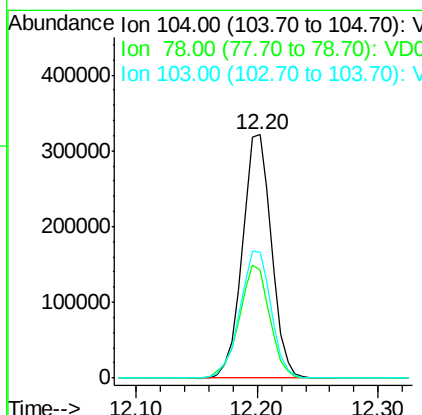
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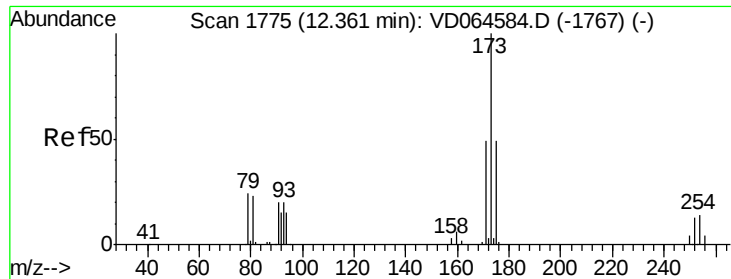
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#70
Styrene
Concen: 50.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 104 Resp: 540450
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 56.0 44.6 67.0





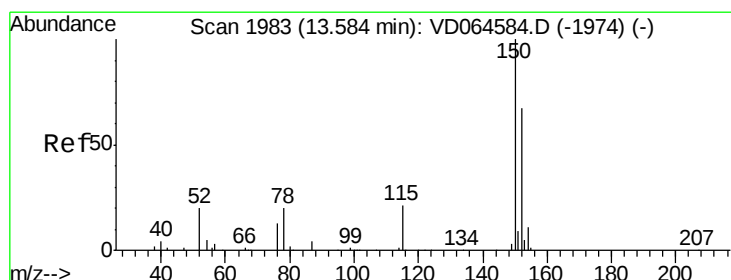
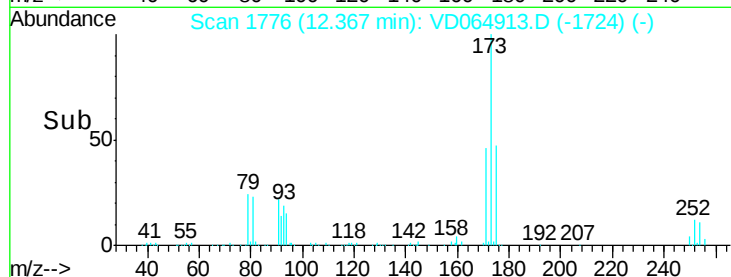
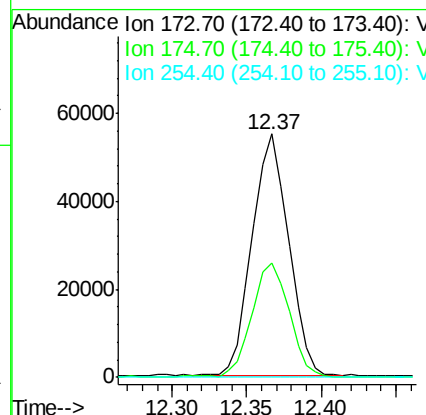
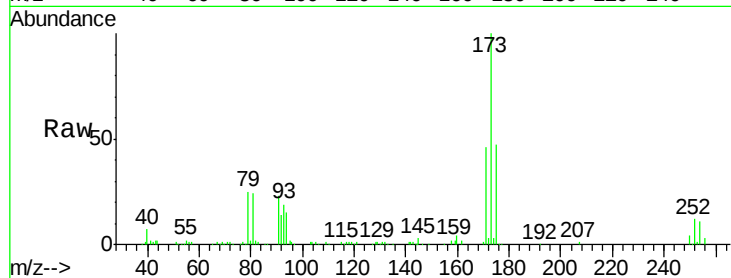
#71
Bromoform
Concen: 44.941 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.1	0.1	0.1

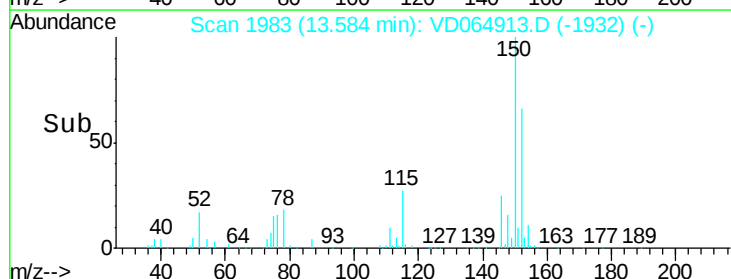
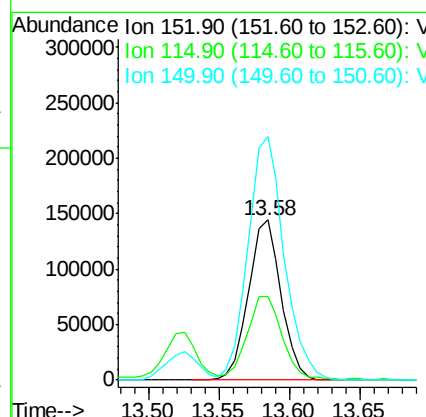
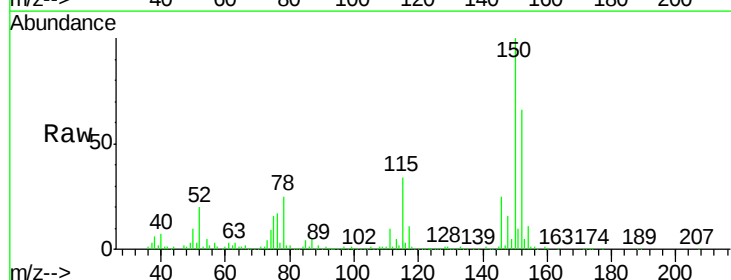
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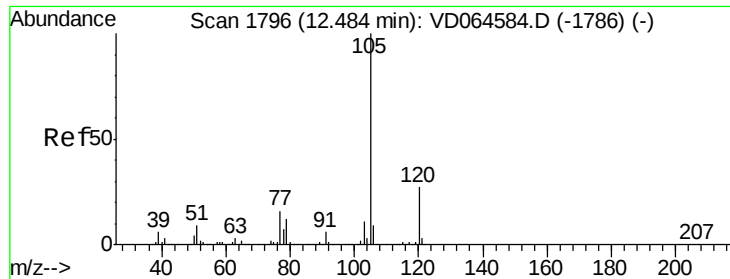
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.4
150	169.8	0.0	351.4





#73

Isopropylbenzene

Concen: 51.517 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 857488

Ion Ratio Lower Upper

105 100

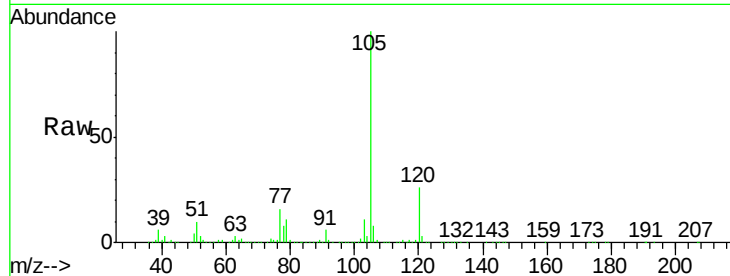
120 26.9 13.5 40.5

Manual Integrations

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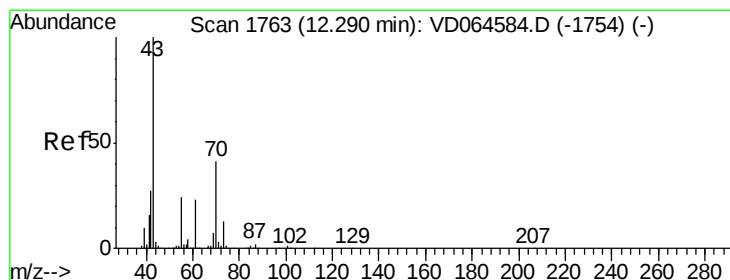
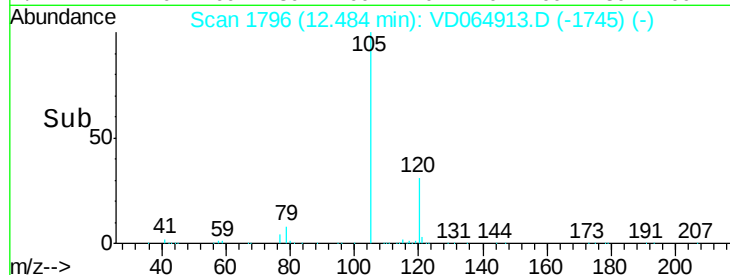
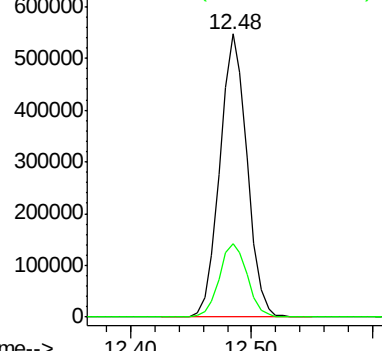
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.966 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion: 43 Resp: 156432

Ion Ratio Lower Upper

43 100

70 43.0 33.4 50.0

55 26.8 19.4 29.0

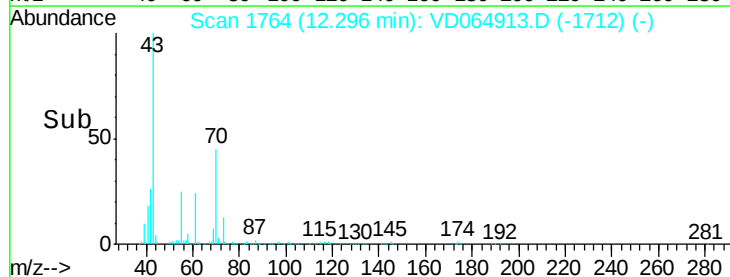
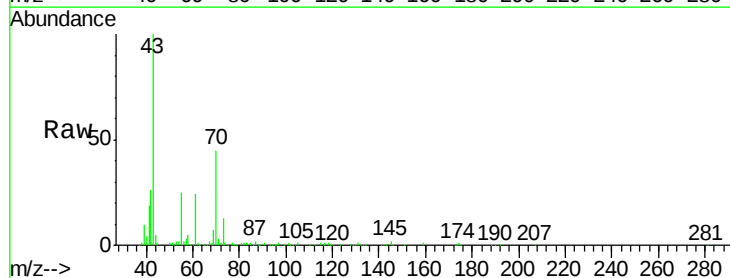
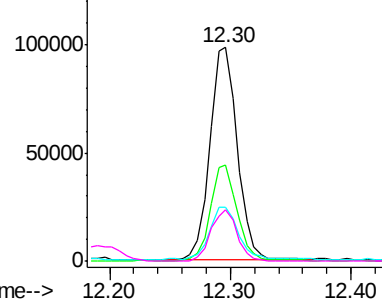
61 23.1 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.300 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

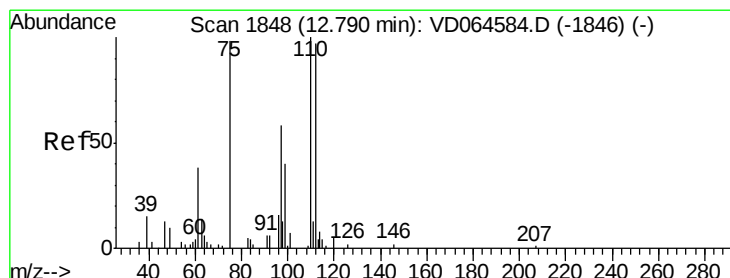
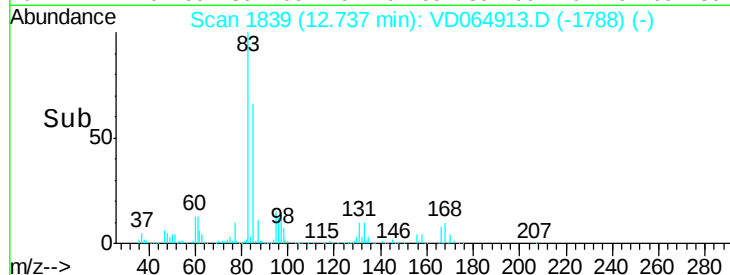
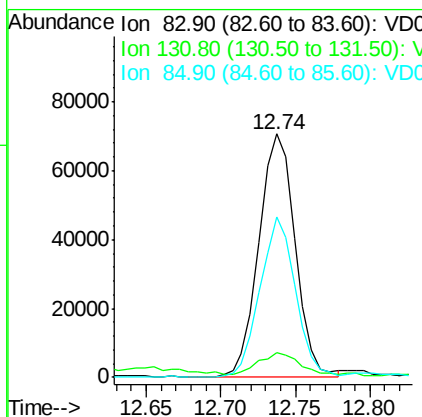
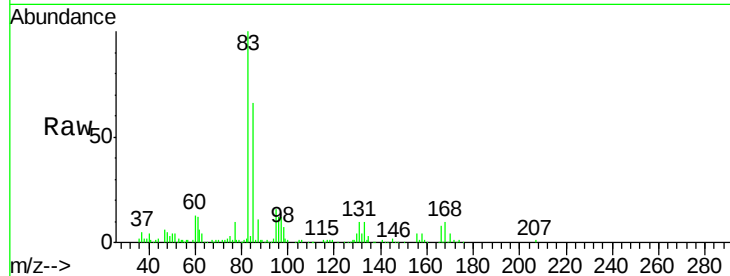
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118447
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	64.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.076 ug/l m

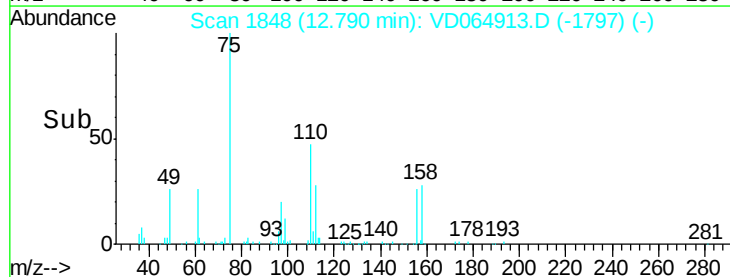
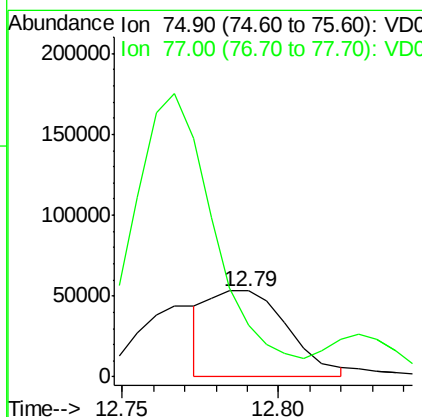
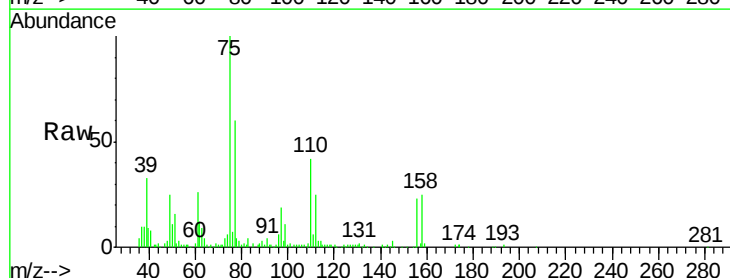
RT: 12.79 min Scan# 1848

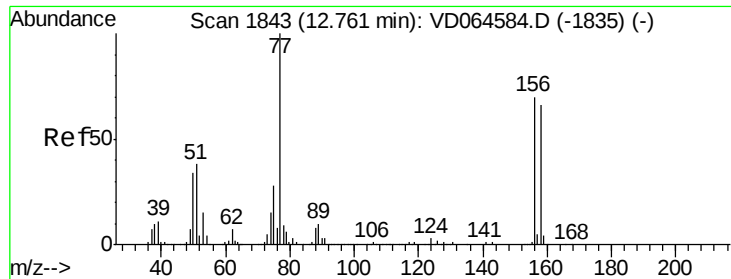
Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion:	75	Resp:	93941
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.187 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

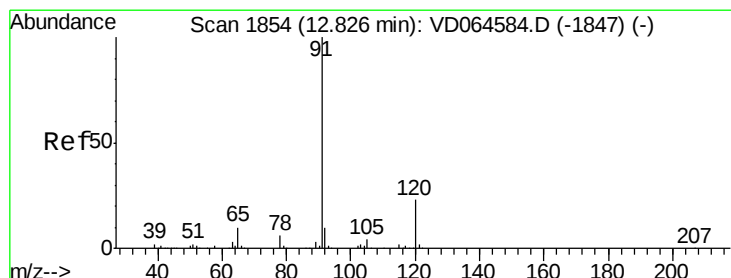
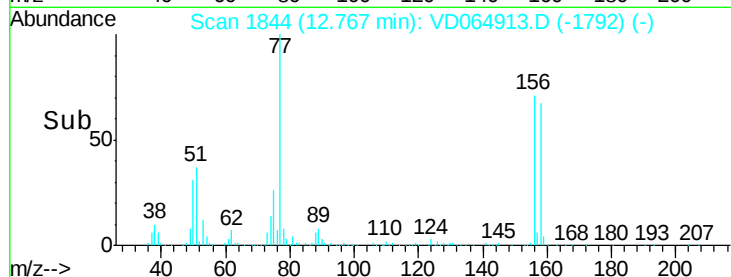
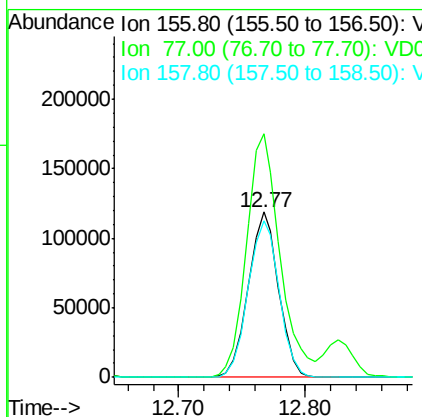
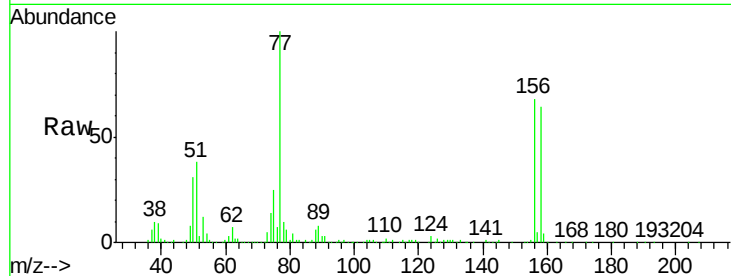
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.6	80.9	242.7
158	97.2	48.0	144.2

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#78

n-propylbenzene

Concen: 52.230 ug/l

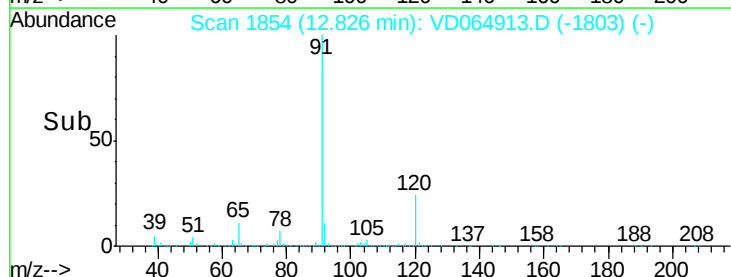
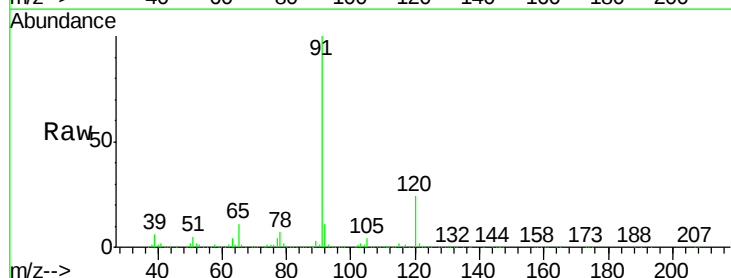
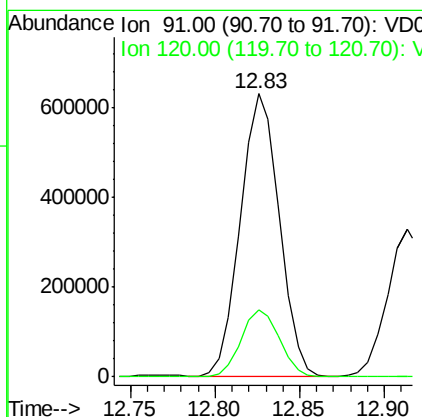
RT: 12.83 min Scan# 1854

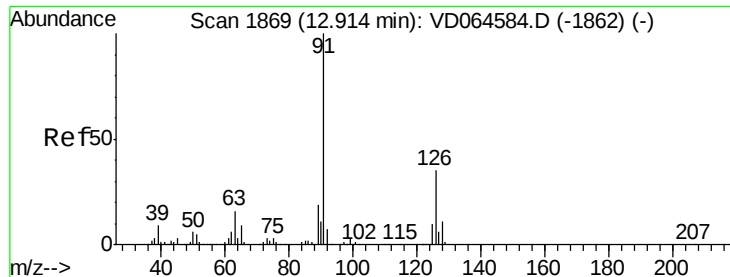
Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 50.959 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 543589

Ion Ratio Lower Upper

91 100

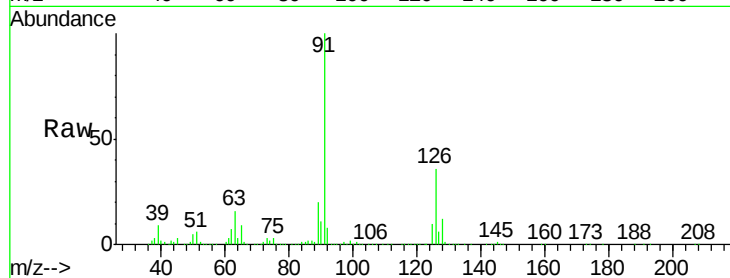
126 35.4 17.8 53.5

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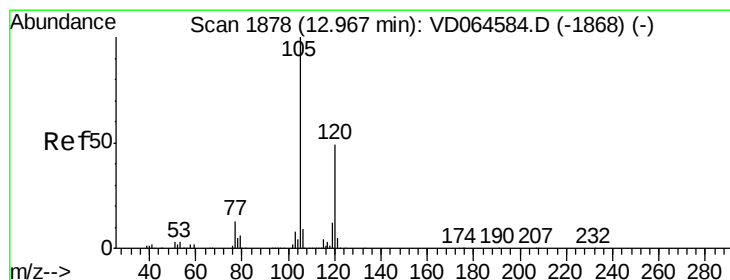
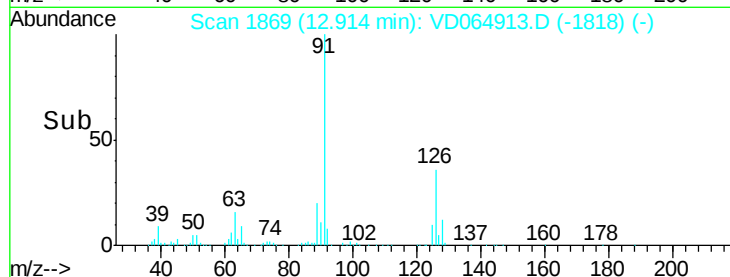
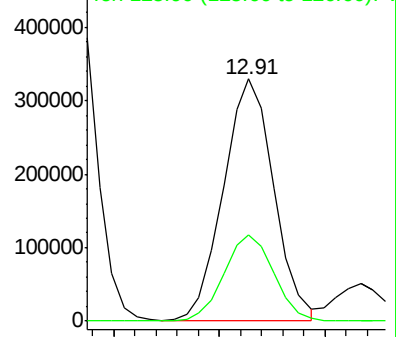
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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.203 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064913.D

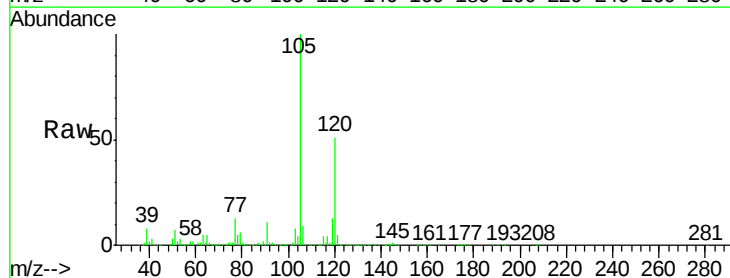
Acq: 21 Jan 2020 17:06

Tgt Ion: 105 Resp: 700090

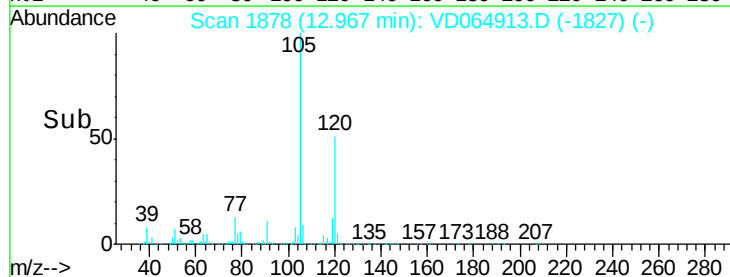
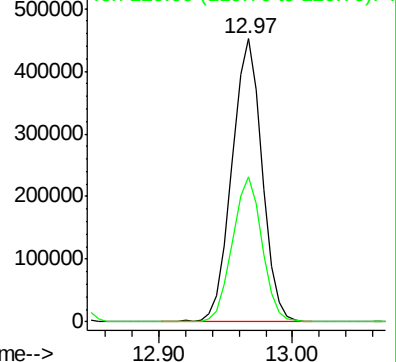
Ion Ratio Lower Upper

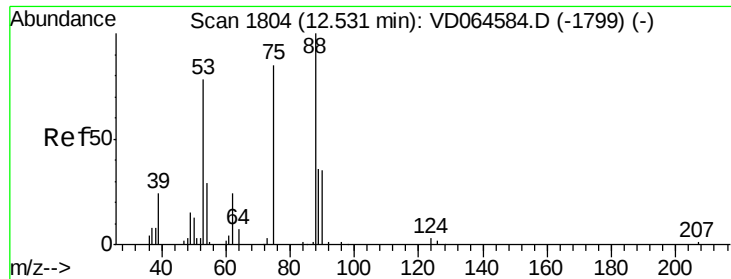
105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.341 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 38114

Ion Ratio Lower Upper

75 100

53 106.4 78.8 118.2

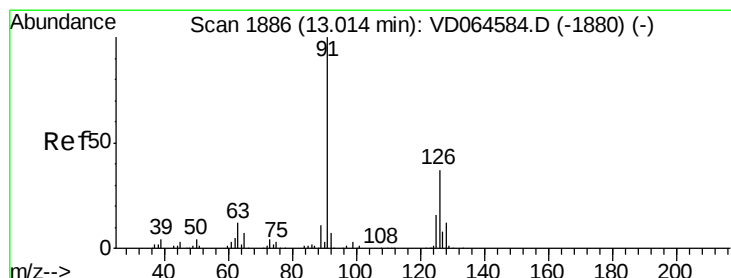
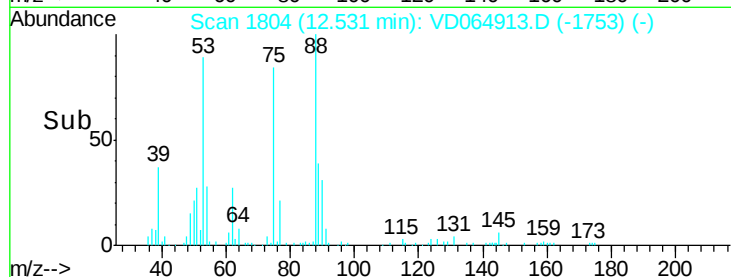
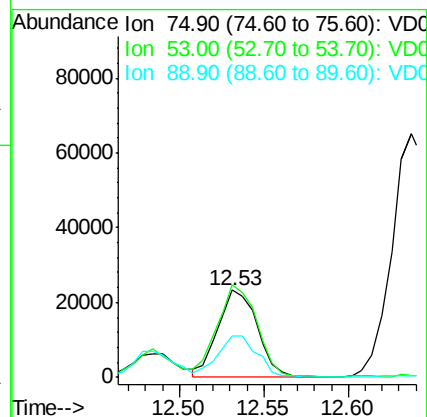
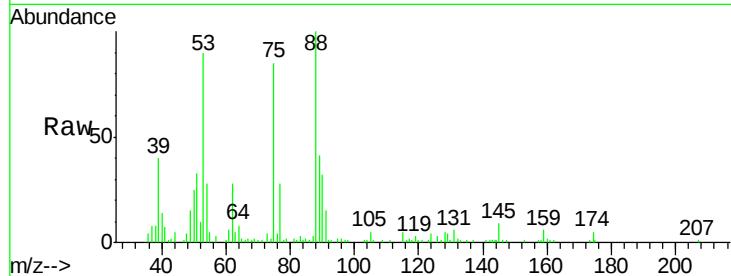
89 47.9 38.3 57.5

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#82

4-Chlorotoluene

Concen: 50.045 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064913.D

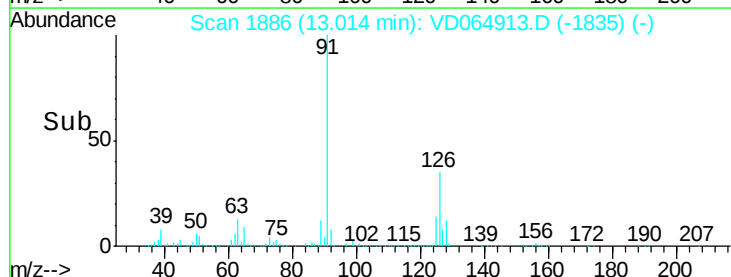
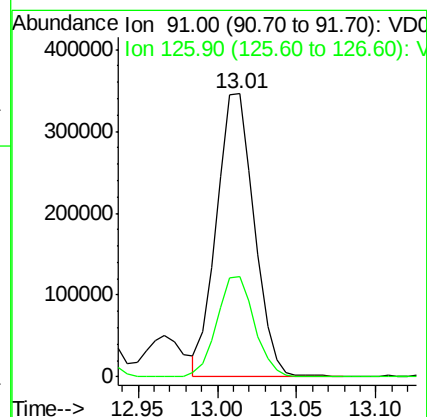
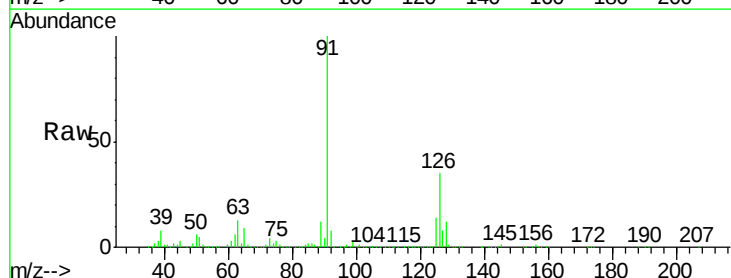
Acq: 21 Jan 2020 17:06

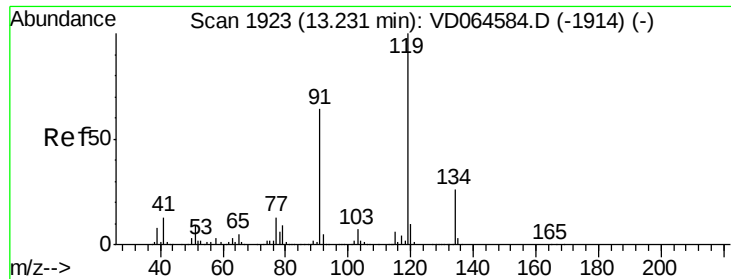
Tgt Ion: 91 Resp: 568108

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





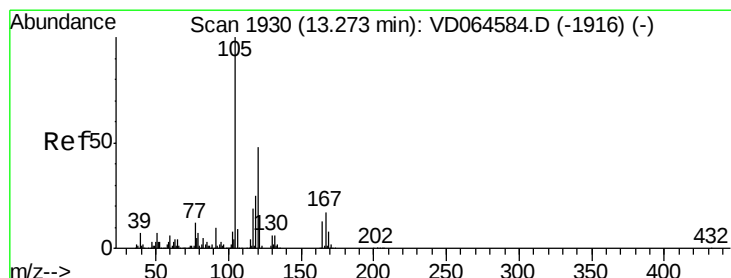
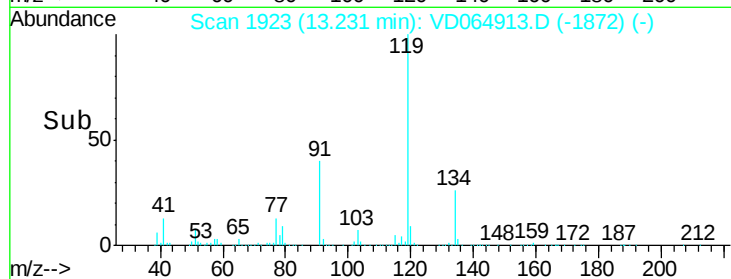
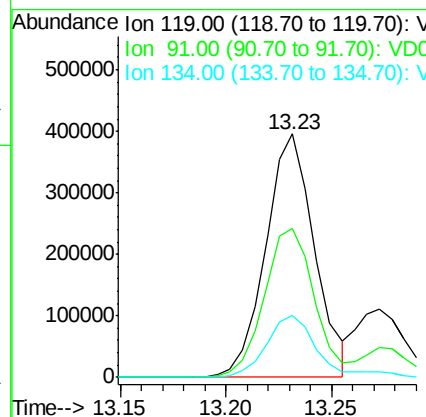
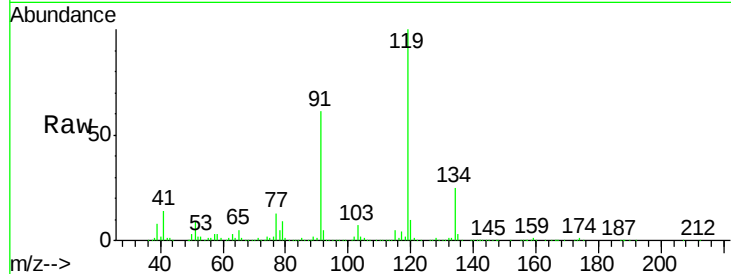
#83
tert-Butylbenzene
Concen: 53.232 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.4
134	27.0	12.8	38.3

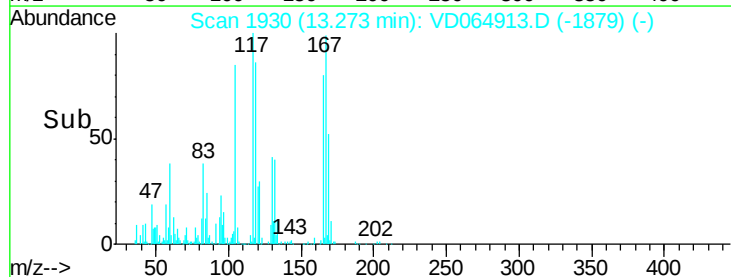
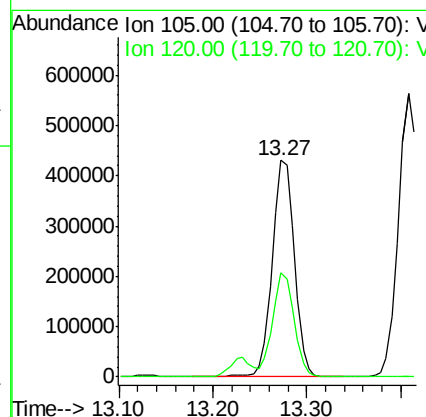
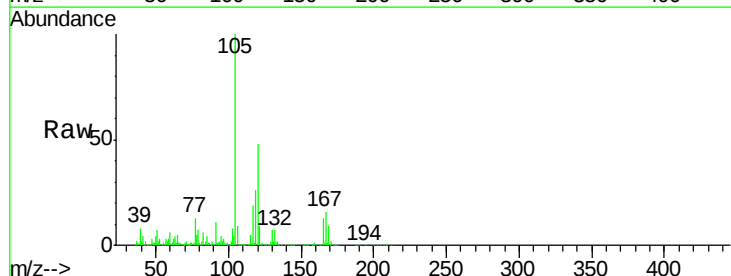
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#84
1,2,4-Trimethylbenzene
Concen: 51.601 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2





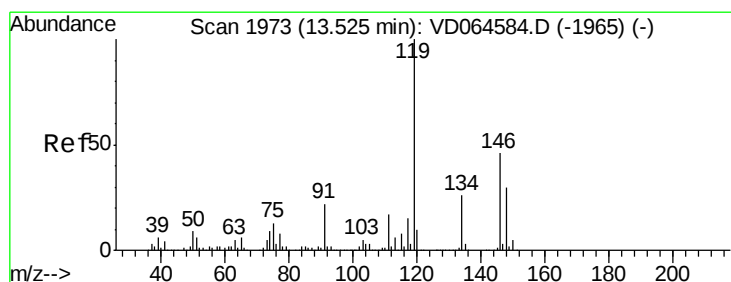
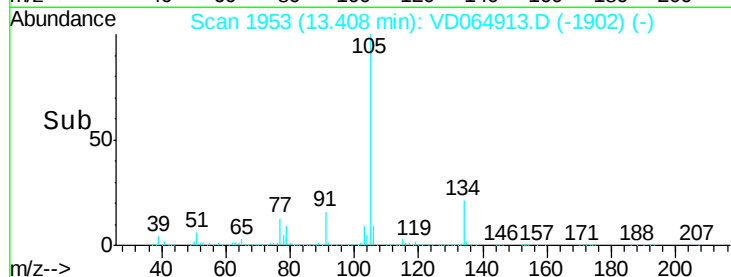
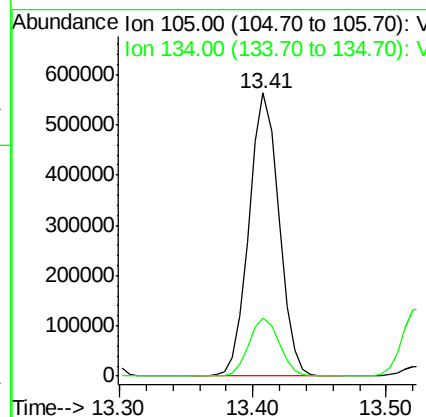
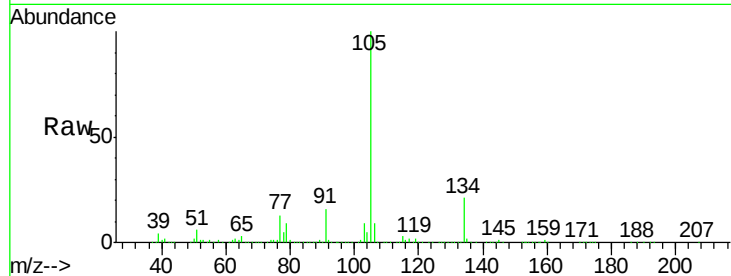
#85
 sec-Butylbenzene
 Concen: 53.402 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

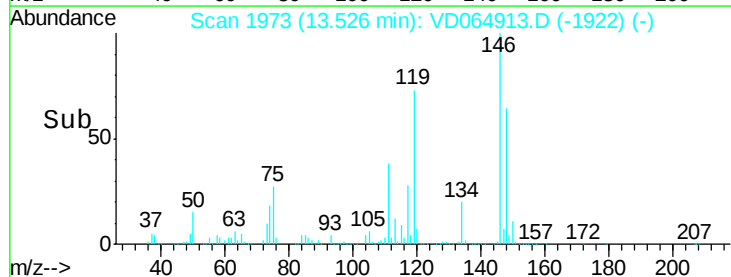
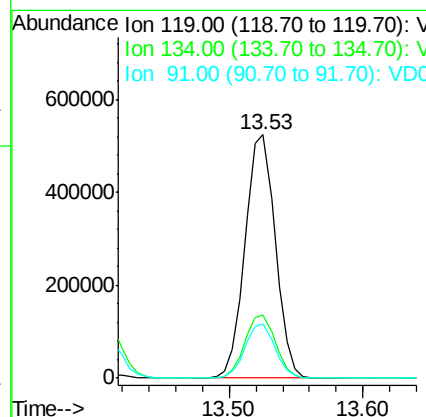
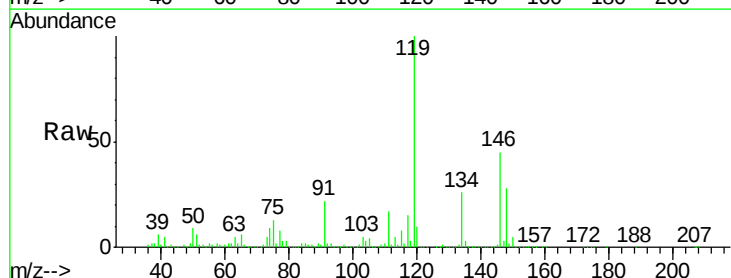
Manual Integrations
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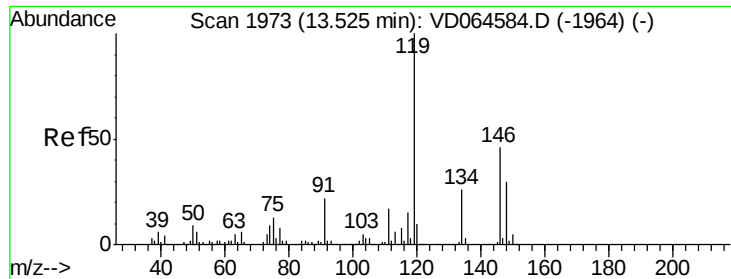
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#86
 p-Isopropyltoluene
 Concen: 52.434 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	21.9	11.2	33.6





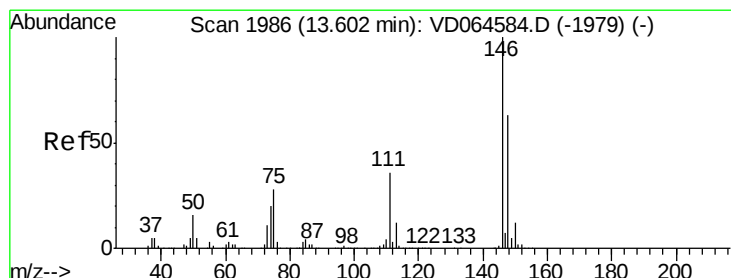
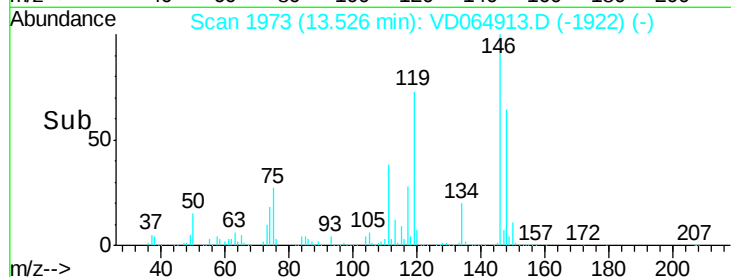
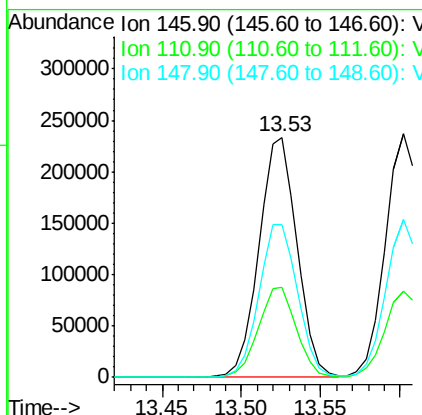
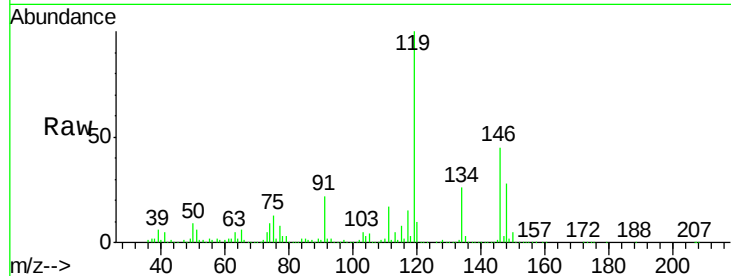
#87
 1,3-Dichlorobenzene
 Concen: 49.691 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.9	32.5	97.5

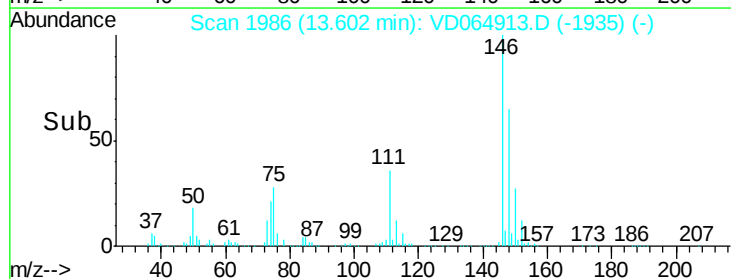
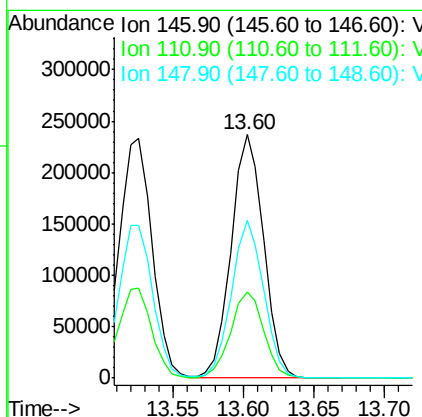
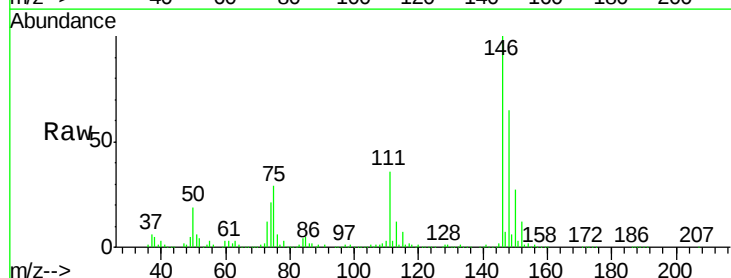
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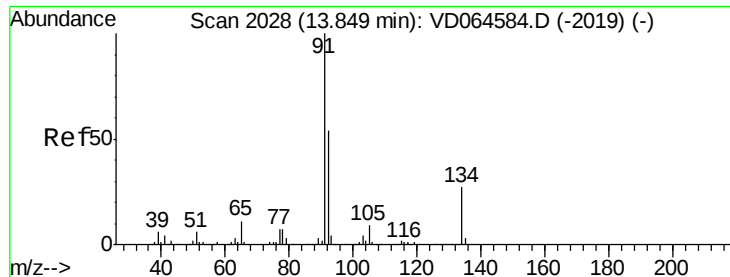
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#88
 1,4-Dichlorobenzene
 Concen: 49.765 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	63.9	32.3	96.9





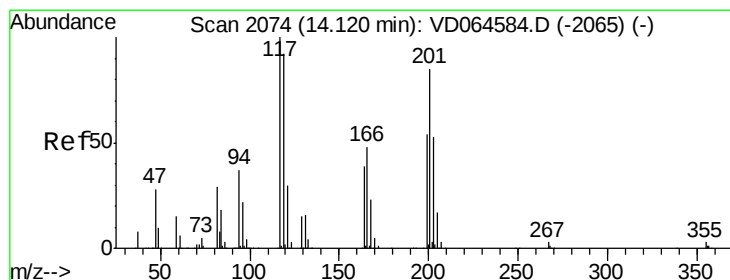
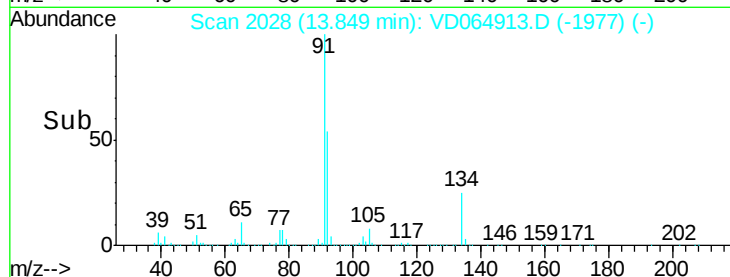
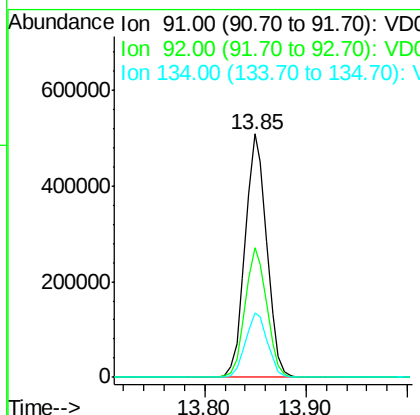
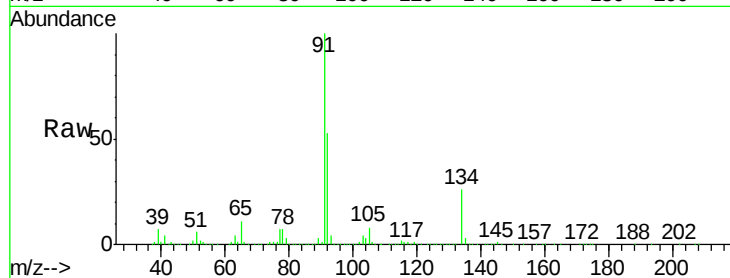
#89
n-Butylbenzene
Concen: 53.507 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.4	
134	26.8	14.0	41.9	

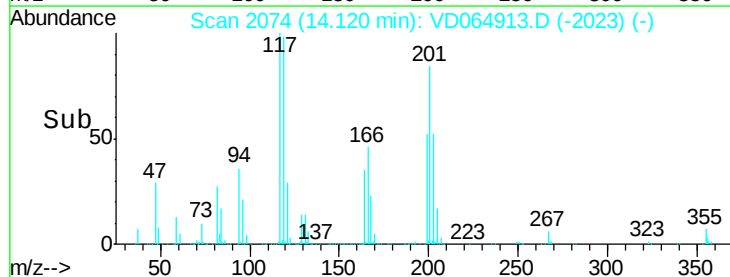
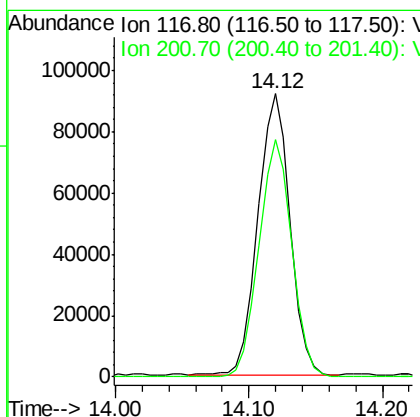
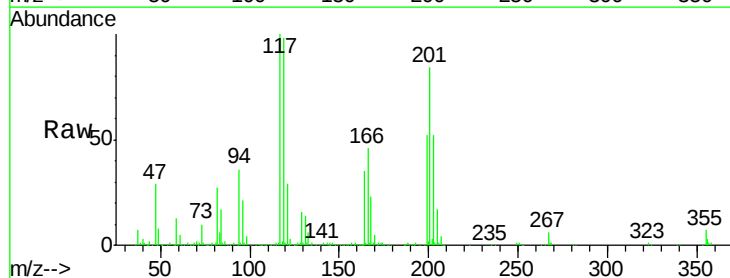
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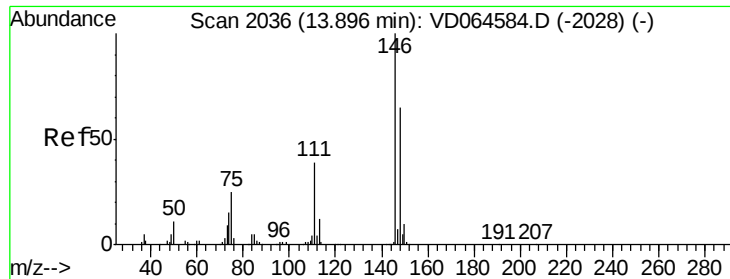
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#90
Hexachloroethane
Concen: 51.311 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.1	44.0	131.8	





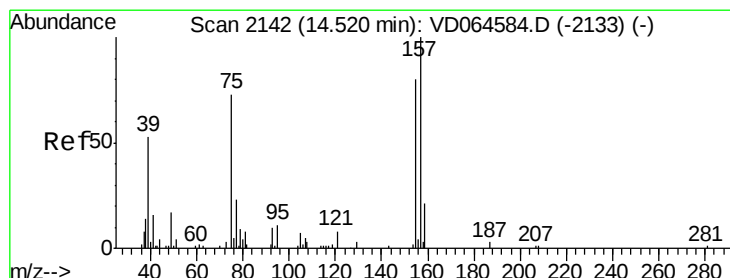
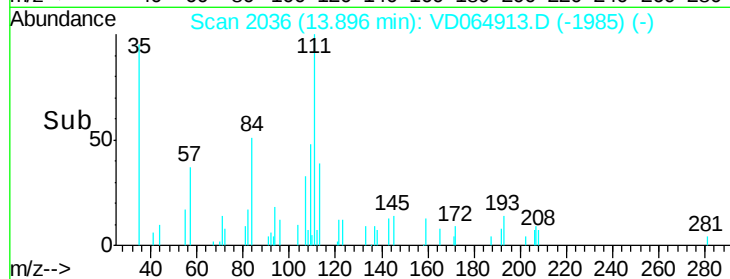
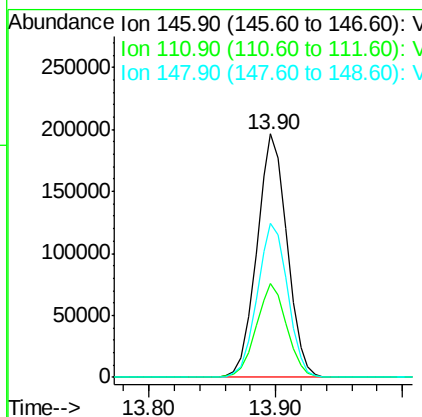
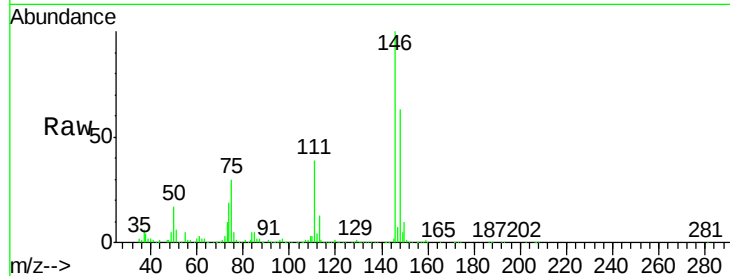
#91
 1,2-Dichlorobenzene
 Concen: 48.937 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.7	31.9	95.5

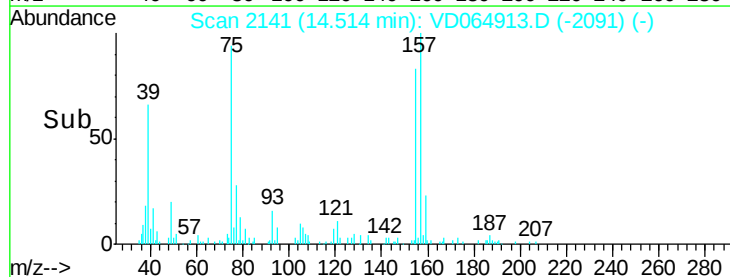
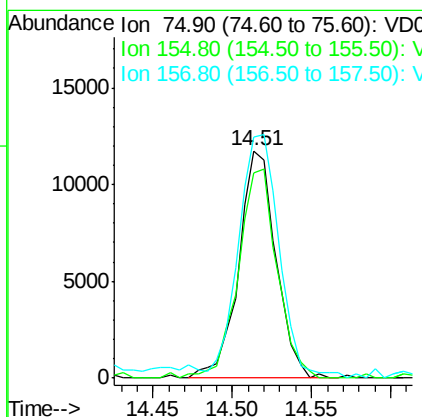
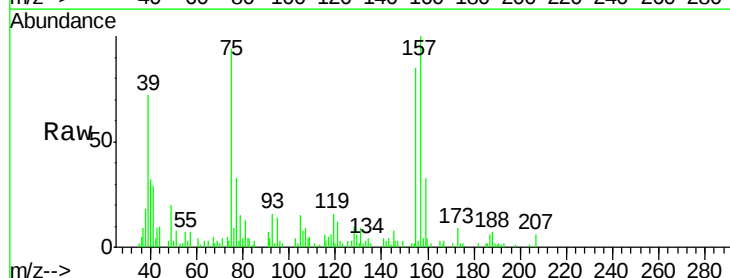
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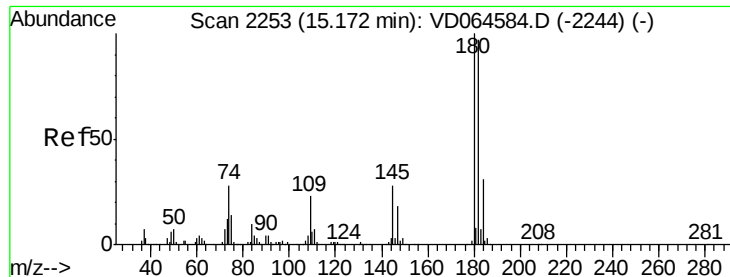
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.110 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	48.0	144.0
157	117.5	64.1	192.3





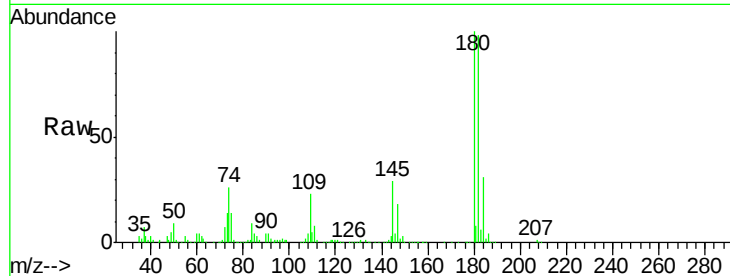
#93
 1,2,4-Trichlorobenzene
 Concen: 47.957 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

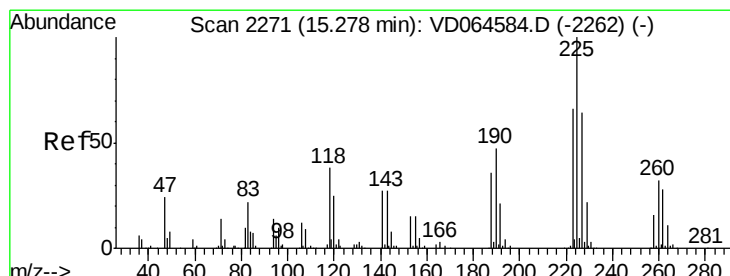
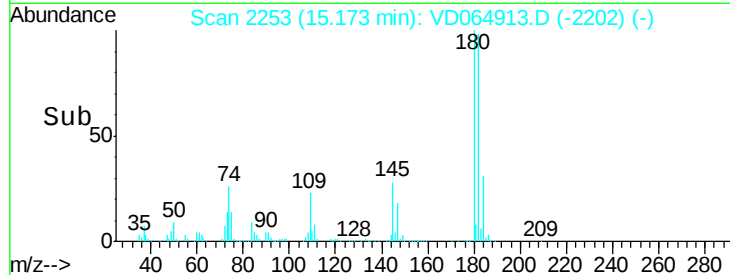
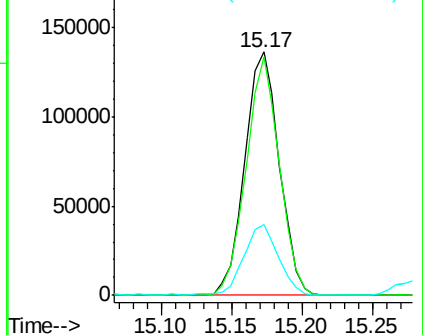
Tot Ion	Ratio	Resp	Lower	Upper
180	100	234756		
182	94.2	48.0	144.2	
145	28.8	13.8	41.4	

Manual Integrations
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MMDadoda
 1/22/2020 10:49:33 AM

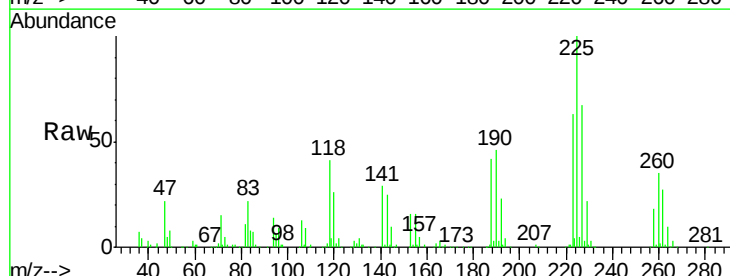


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

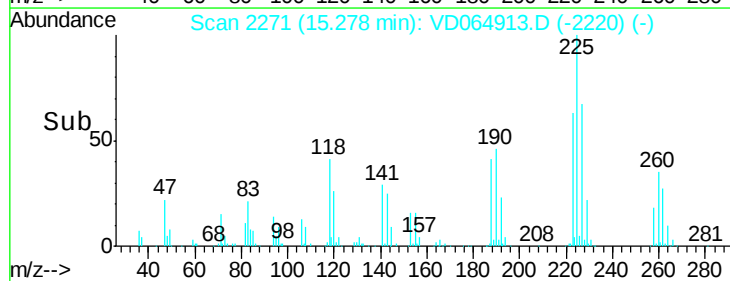
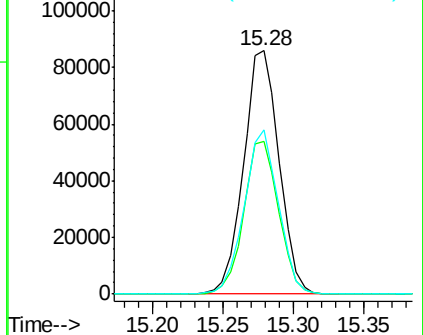


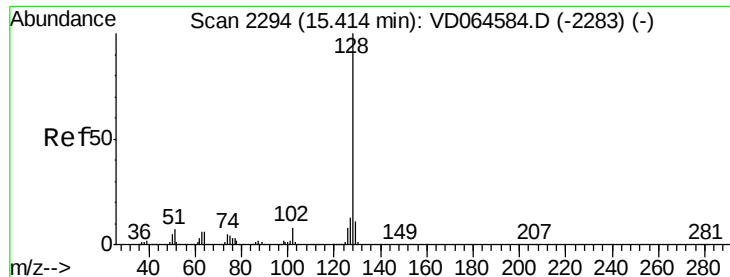
#94
 Hexachlorobutadiene
 Concen: 49.106 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151264		
223	61.6	31.1	93.2	
227	64.7	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





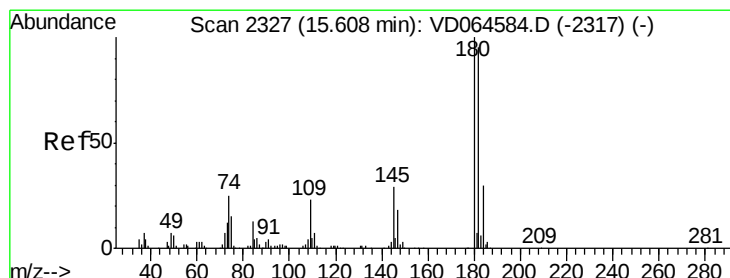
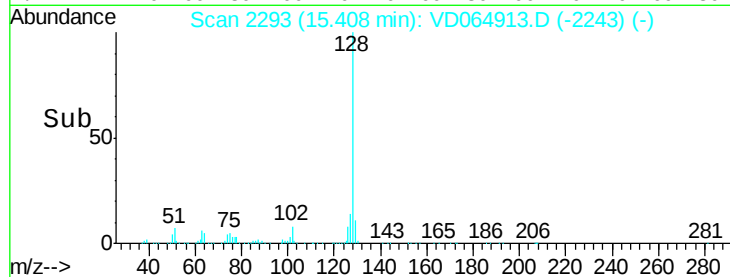
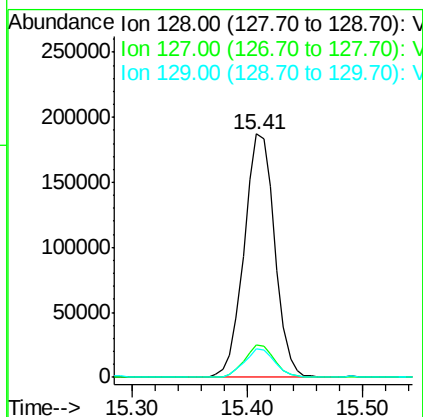
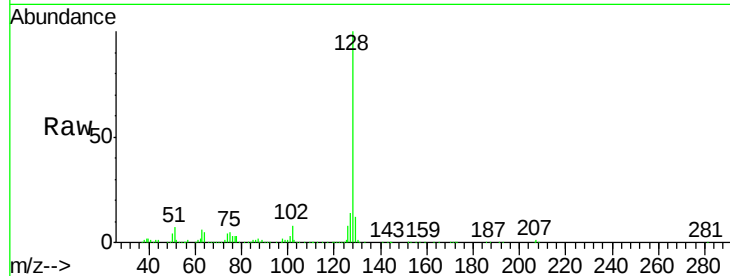
#95
Naphthalene
Concen: 44.351 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.8	8.5	12.7

Manual Integrations
APPROVED

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1/22/2020 10:49:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.880 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	30.9	14.9	44.7

