

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065005.D
 Acq On : 30 Jan 2020 11:27
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:38 PM

Quant Time: Jan 30 12:38:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197522	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.92	113	199969	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	761722	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.64	95	233285	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76130	22.168	ug/l	99
3) Chloromethane	2.21	50	102190	20.303	ug/l	99
4) Vinyl Chloride	2.35	62	119270	20.631	ug/l	100
5) Bromomethane	2.76	94	81287	20.903	ug/l	100
6) Chloroethane	2.92	64	78250	20.531	ug/l	100
7) Trichlorofluoromethane	3.27	101	185318	20.756	ug/l	96
8) Diethyl Ether	3.71	74	39309	19.503	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90994	21.906	ug/l	98
10) Methyl Iodide	4.30	142	86831	19.693	ug/l	99
11) Tert butyl alcohol	5.25	59	24124	99.835	ug/l	96
12) 1,1-Dichloroethene	4.06	96	83604	21.069	ug/l	96
13) Acrolein	3.93	56	23108	76.284	ug/l	100
14) Allyl chloride	4.71	41	135340	21.385	ug/l	99
15) Acrylonitrile	5.43	53	87141	99.840	ug/l	99
16) Acetone	4.17	43	93806	90.002	ug/l	97
17) Carbon Disulfide	4.40	76	274338	21.006	ug/l	100
18) Methyl Acetate	4.72	43	44972	21.960	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	173117	19.525	ug/l	97
20) Methylene Chloride	4.96	84	99262	19.432	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	95289	20.843	ug/l	95
22) Diisopropyl ether	6.37	45	260512	20.654	ug/l	98
23) Vinyl Acetate	6.31	43	706540	95.676	ug/l	99
24) 1,1-Dichloroethane	6.27	63	163228	21.078	ug/l	98
25) 2-Butanone	7.21	43	115240	97.550	ug/l	100
26) 2,2-Dichloropropane	7.20	77	153261	21.819	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101200	20.739	ug/l	98
28) Bromochloromethane	7.55	49	50594	16.336	ug/l	97
29) Tetrahydrofuran	7.57	42	68591	94.103	ug/l	99
30) Chloroform	7.71	83	166557	20.806	ug/l	97
31) Cyclohexane	7.98	56	158788	20.843	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	159042	21.356	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136444	21.047	ug/l	98
37) Ethyl Acetate	7.30	43	51482	19.226	ug/l	98
38) Carbon Tetrachloride	8.10	117	145760	21.272	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158291	20.885	ug/l	97
40) Benzene	8.36	78	365959	20.497	ug/l	97
41) Methacrylonitrile	7.53	41	31128	21.579	ug/l	97
42) 1,2-Dichloroethane	8.43	62	106635	20.049	ug/l	99
43) Isopropyl Acetate	8.46	43	95963	18.866	ug/l	97
44) Trichloroethene	9.11	130	103846	20.782	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90000	20.793	ug/l	99
46) Dibromomethane	9.48	93	46425	19.646	ug/l	99
47) Bromodichloromethane	9.66	83	128244	20.856	ug/l #	96
48) Methyl methacrylate	9.46	41	47682	20.370	ug/l	97
49) 1,4-Dioxane	9.47	88	10024	365.747	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	240137	94.352	ug/l	99
52) Toluene	10.41	92	234023	20.330	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	115414	19.704	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139986	20.413	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62092	19.507	ug/l	99
56) Ethyl methacrylate	10.66	69	73402	19.284	ug/l	100
57) 1,3-Dichloropropane	10.95	76	112256	20.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123536	97.689	ug/l	98
59) 2-Hexanone	10.99	43	167134	95.203	ug/l	97
60) Dibromochloromethane	11.14	129	84533	19.869	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60722	19.811	ug/l	99
64) Tetrachloroethene	10.88	164	92081	21.896	ug/l	92
65) Chlorobenzene	11.67	112	251857	21.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91823	20.664	ug/l	99
67) Ethyl Benzene	11.75	91	439932	20.972	ug/l	98
68) m/p-Xylenes	11.86	106	341907	42.333	ug/l	99
69) o-Xylene	12.18	106	146840	20.486	ug/l	99
70) Styrene	12.20	104	268518	21.029	ug/l	99
71) Bromoform	12.37	173	48350	19.574	ug/l #	98
73) Isopropylbenzene	12.48	105	416091	21.760	ug/l	100
74) N-amyl acetate	12.30	43	85024	19.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	67593	21.032	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	51069m	21.992	ug/l	
77) Bromobenzene	12.77	156	99635	21.296	ug/l	100
78) n-propylbenzene	12.83	91	503166	22.126	ug/l	99
79) 2-Chlorotoluene	12.91	91	272591	21.851	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	343449	21.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22053	20.278	ug/l	94
82) 4-Chlorotoluene	13.01	91	286896	21.685	ug/l	99
83) tert-Butylbenzene	13.23	119	287136	21.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	341036	21.483	ug/l	98
85) sec-Butylbenzene	13.41	105	405018	21.510	ug/l	99
86) p-Isopropyltoluene	13.53	119	377749	21.439	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	185939	20.713	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	184147	20.668	ug/l	98
89) n-Butylbenzene	13.85	91	350920	21.824	ug/l	99
90) Hexachloroethane	14.12	117	75773	22.301	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	160492	21.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10650	20.707	ug/l	90

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 ClientSampleId :
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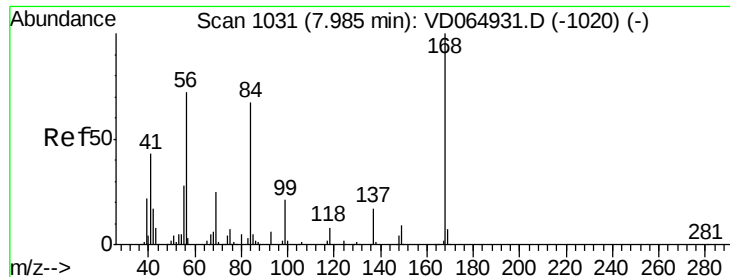
Manual Integrations
 APPROVED

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108918	20.658	ug/l	98
94) Hexachlorobutadiene	15.28	225	69171	20.741	ug/l	99
95) Naphthalene	15.41	128	163936	19.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91964	20.117	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:168 Resp: 455862

Ion Ratio Lower Upper

168 100

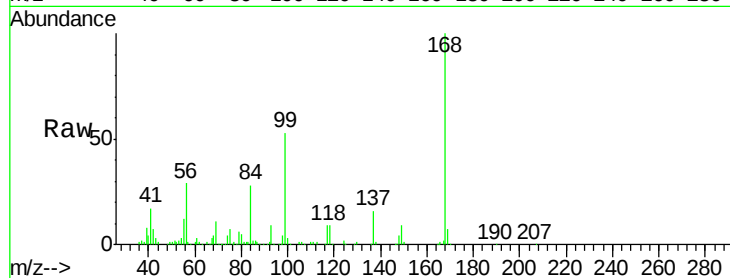
99 53.3 43.3 64.9

Manual Integrations

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1/31/2020 4:25:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

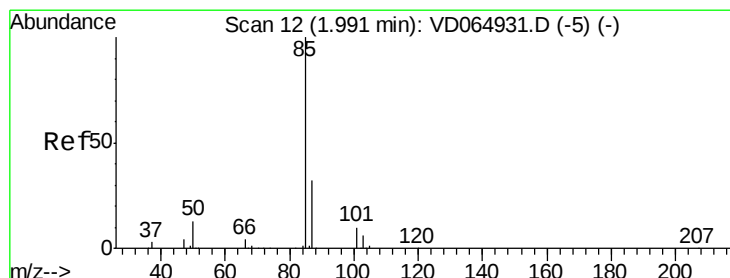
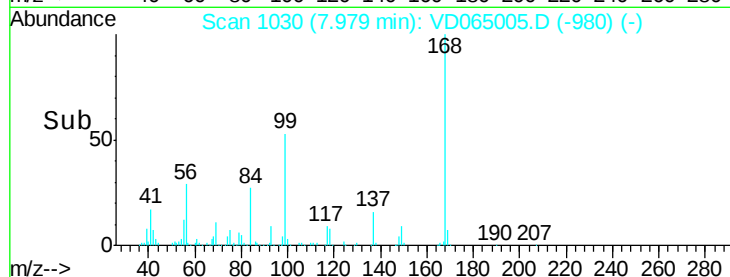
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.168 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065005.D

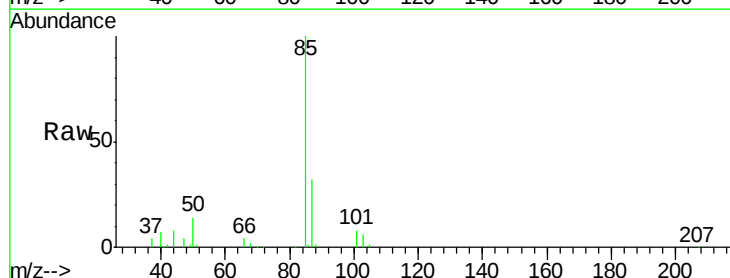
Acq: 30 Jan 2020 11:27

Tgt Ion: 85 Resp: 76130

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

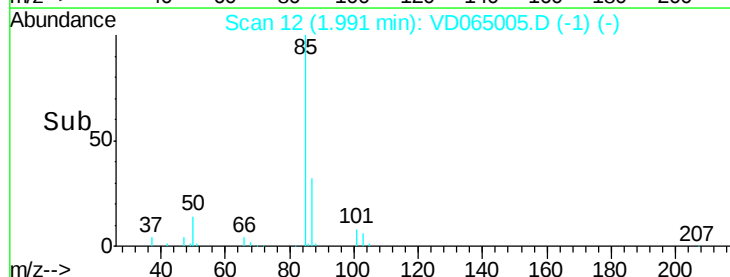
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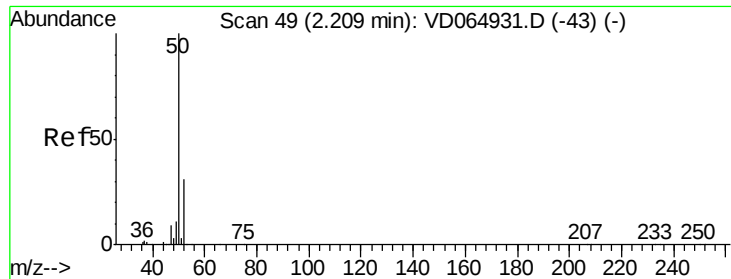
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10000

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Time-->





#3

Chloromethane

Concen: 20.303 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 50 Resp: 102190

Ion Ratio Lower Upper

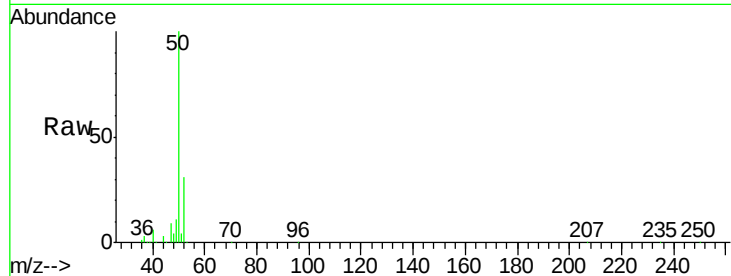
50 100

52 31.3 24.6 36.8

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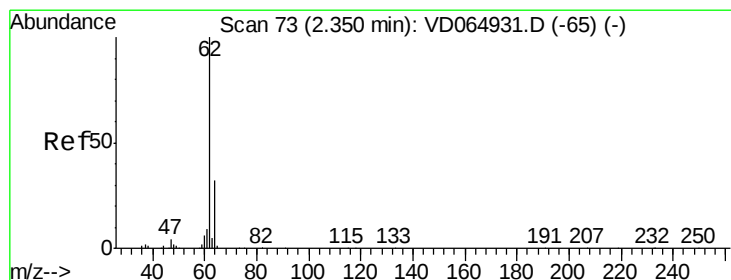
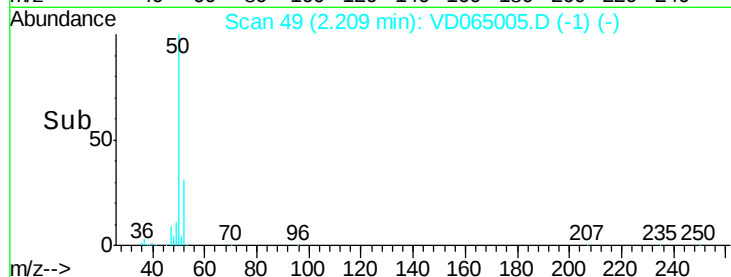
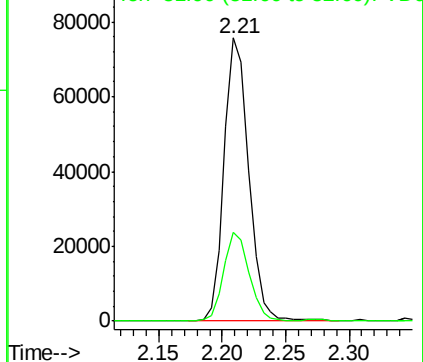
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.631 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065005.D

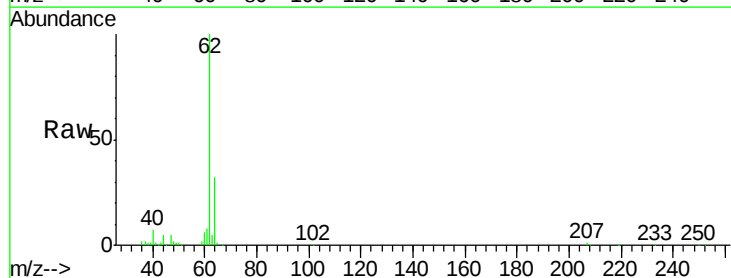
Acq: 30 Jan 2020 11:27

Tgt Ion: 62 Resp: 119270

Ion Ratio Lower Upper

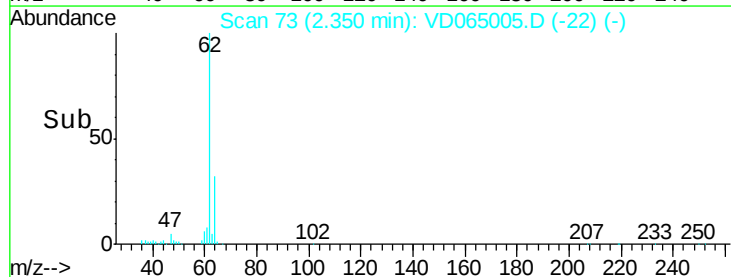
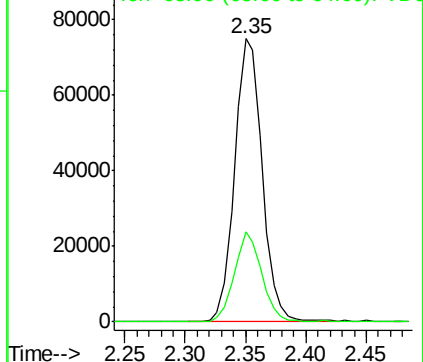
62 100

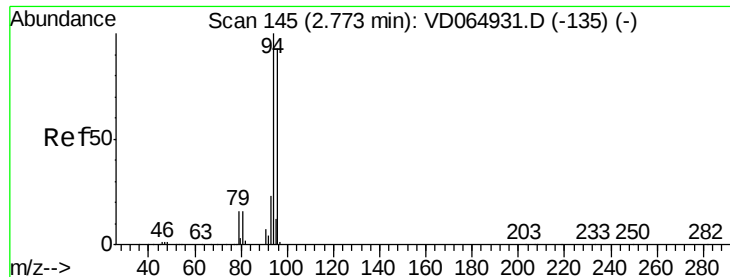
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.903 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 94 Resp: 81287

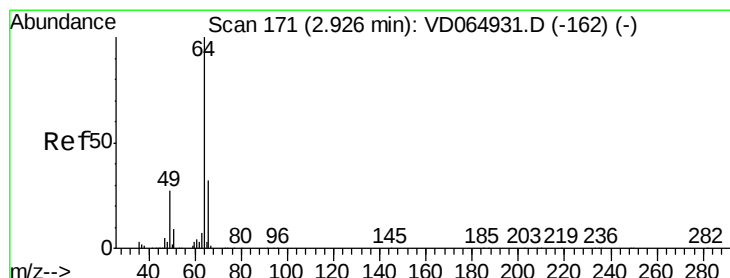
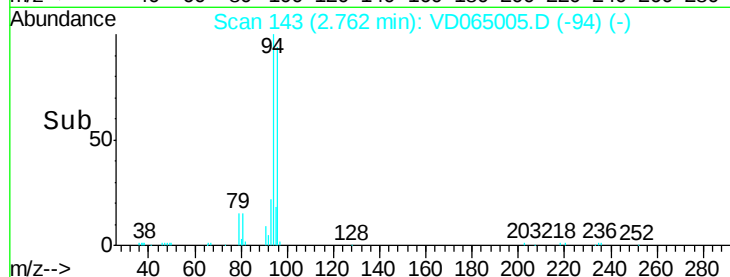
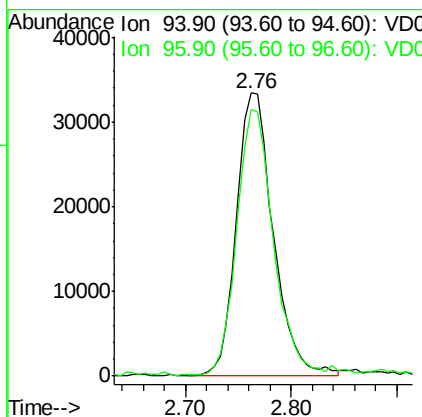
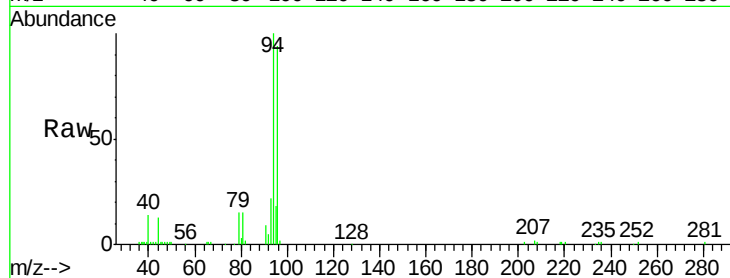
Ion Ratio Lower Upper

94 100

96 93.5 74.6 111.8

Manual Integrations
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#6

Chloroethane

Concen: 20.531 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065005.D

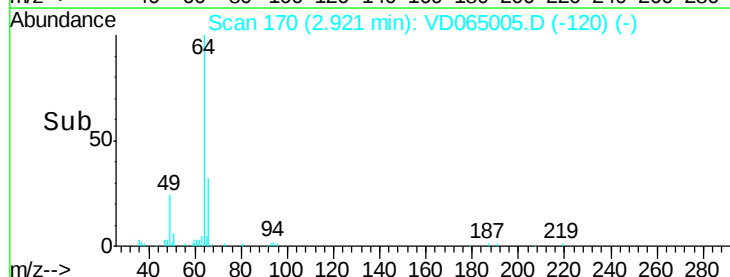
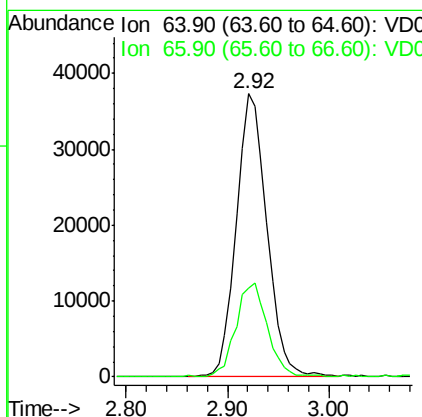
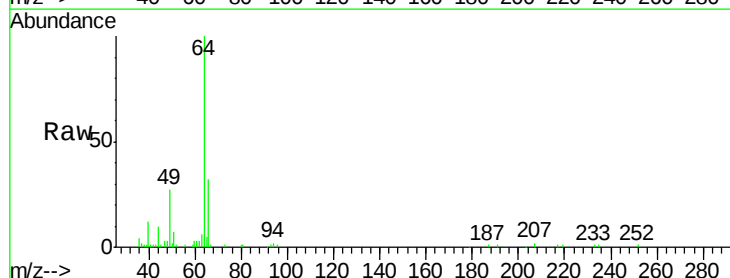
Acq: 30 Jan 2020 11:27

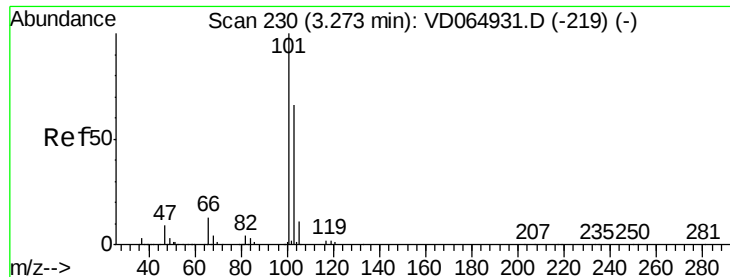
Tgt Ion: 64 Resp: 78250

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

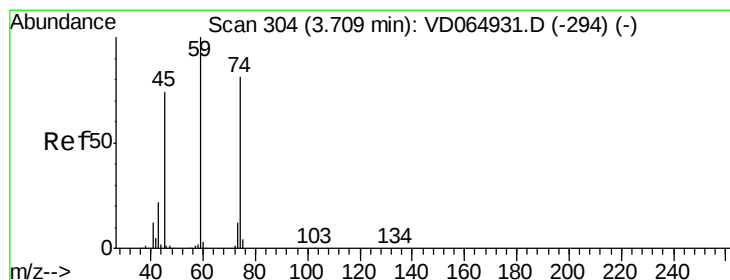
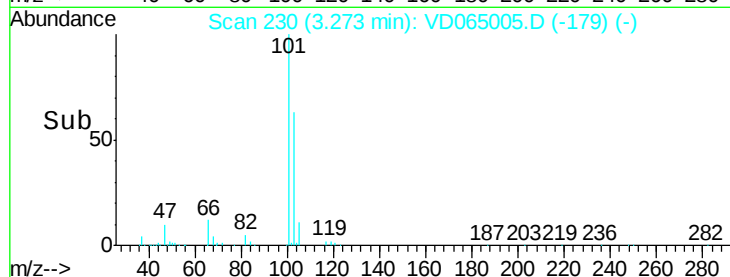
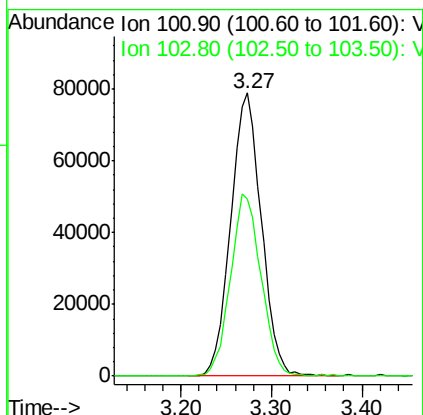
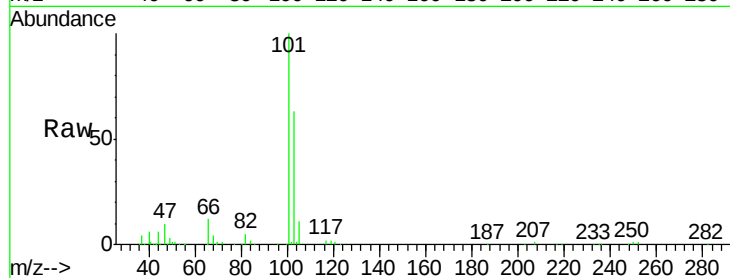
Trichlorofluoromethane
Concen: 20.756 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.5	78.7

Manual Integrations
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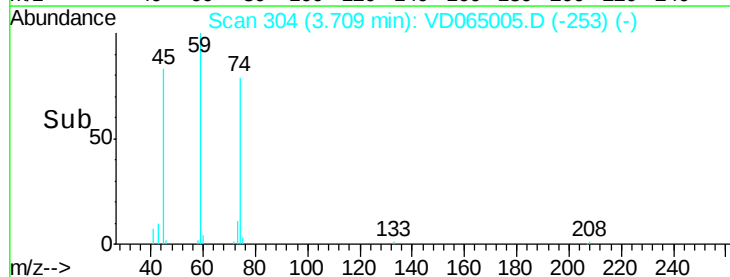
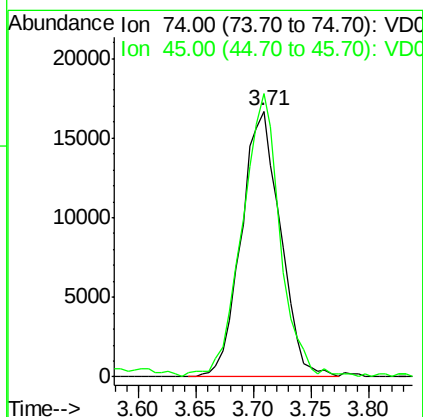
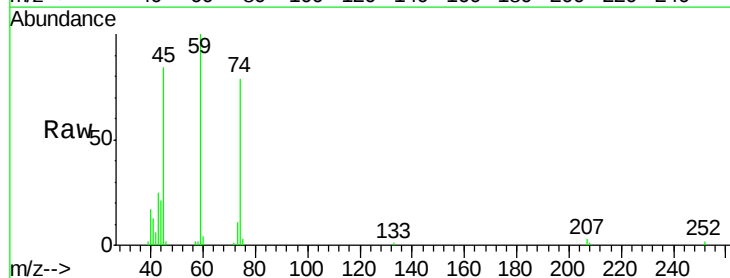
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1/31/2020 4:25:38 PM

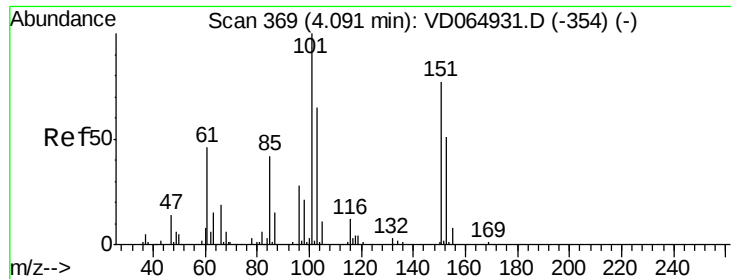


#8

Diethyl Ether
Concen: 19.503 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.906 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

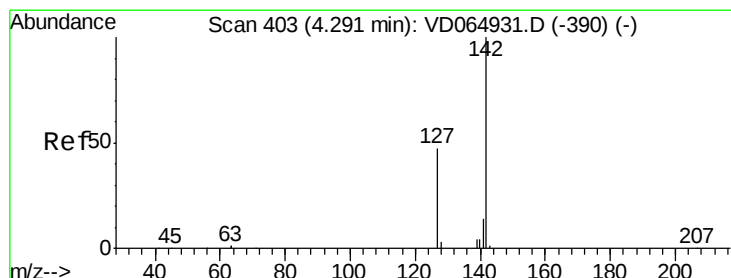
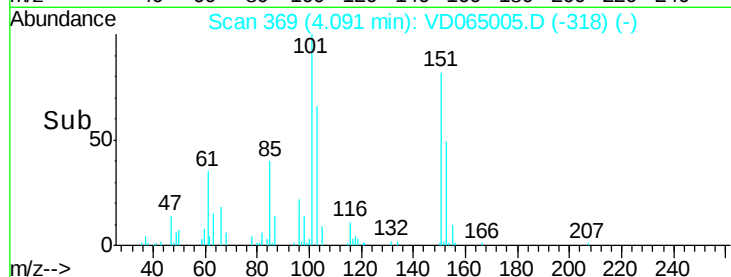
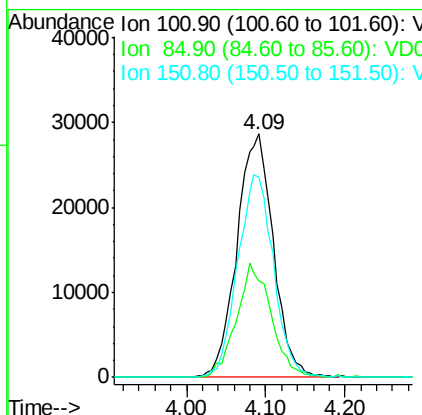
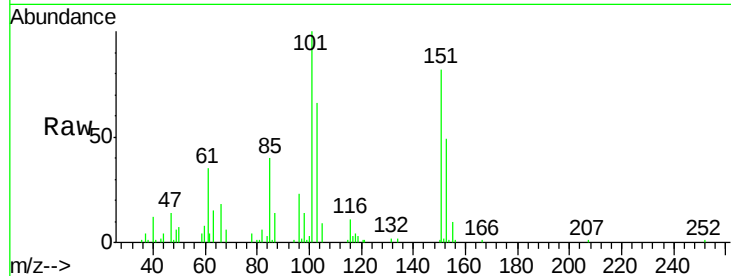
ClientSampleId :

VD0130SBS01

Tot Ion:	101	Resp:	90994
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.0	52.4
151	82.3	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.693 ug/l

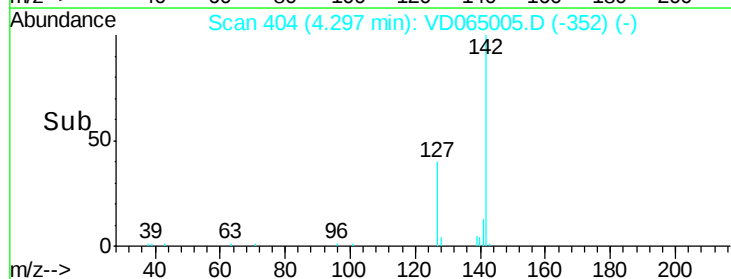
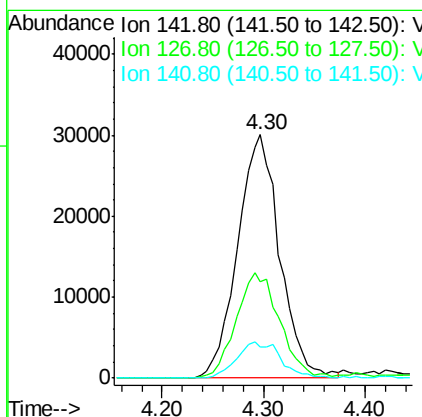
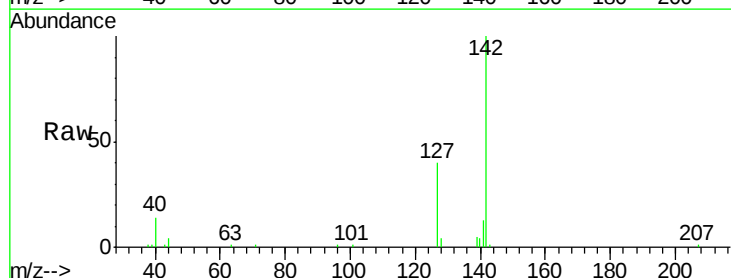
RT: 4.30 min Scan# 404

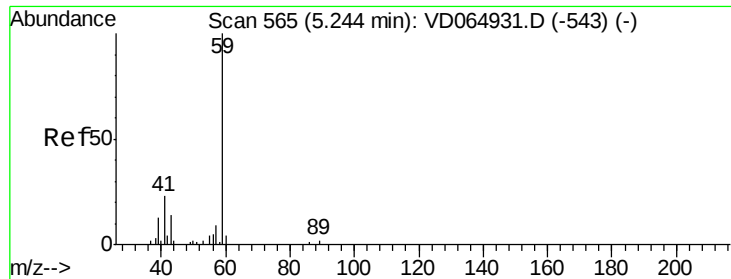
Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	142	Resp:	86831
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.2
141	15.5	11.6	17.4





#11

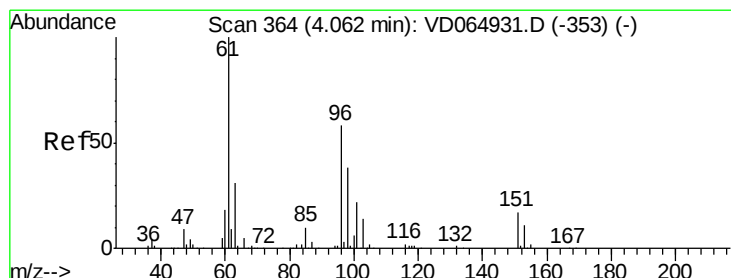
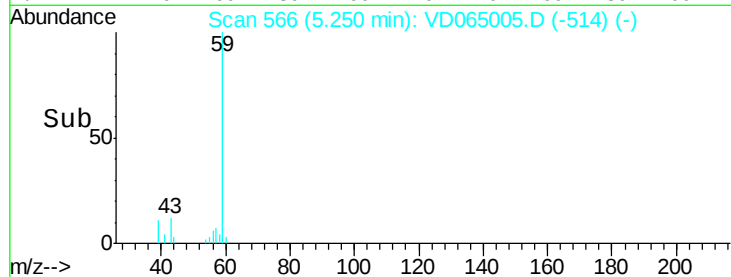
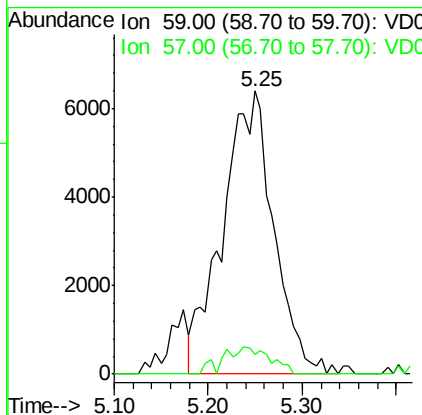
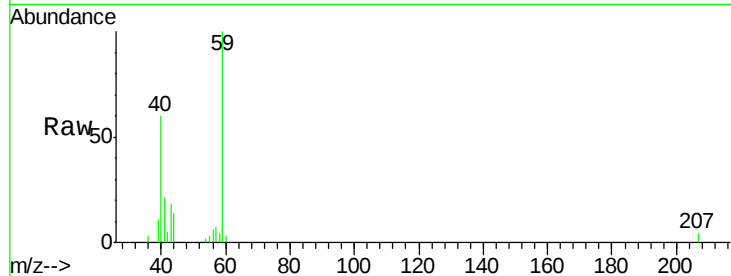
Tert butyl alcohol
 Concen: 99.835 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.7	11.5

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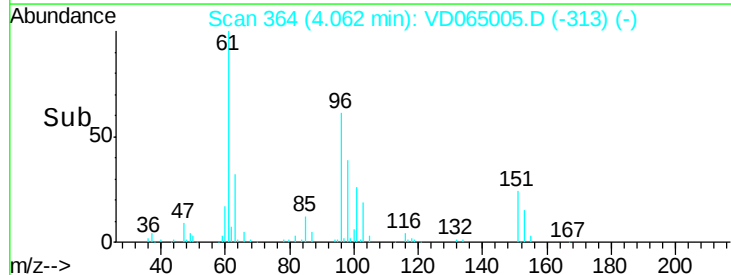
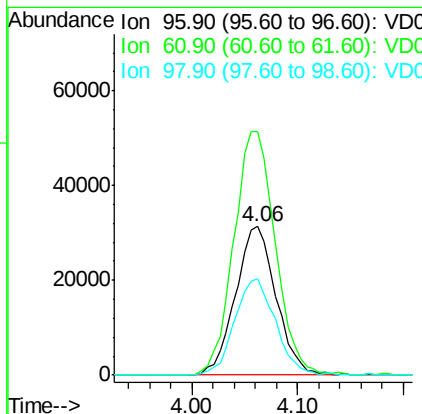
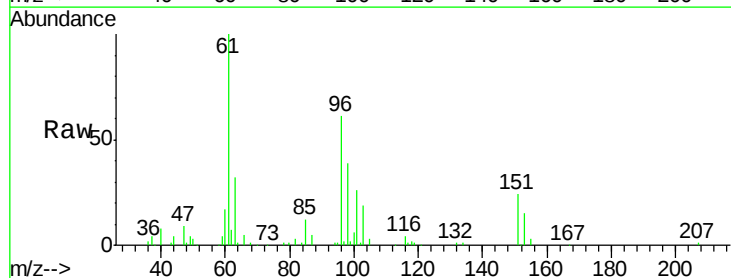
MMDadoda
 1/31/2020 4:25:38 PM

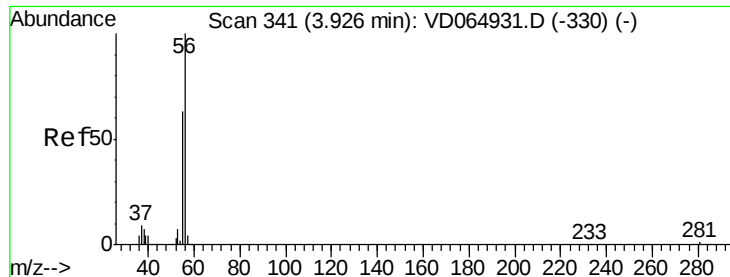


#12

1,1-Dichloroethene
 Concen: 21.069 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	137.0	205.4
98	64.5	52.1	78.1





#13

Acrolein

Concen: 76.284 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 56 Resp: 23108

Ion Ratio Lower Upper

56 100

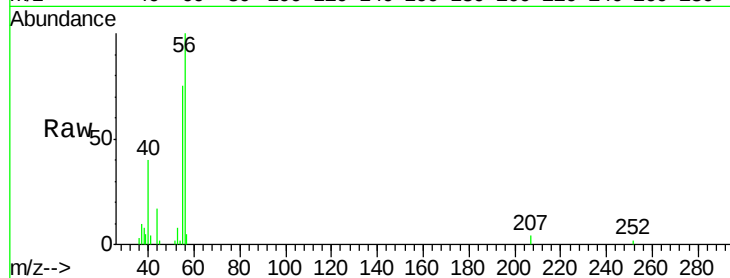
55 74.9 59.7 89.5

Manual Integrations

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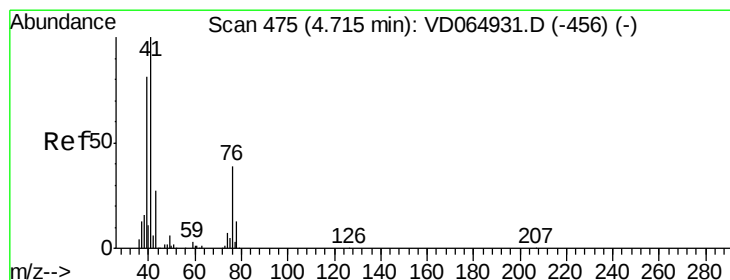
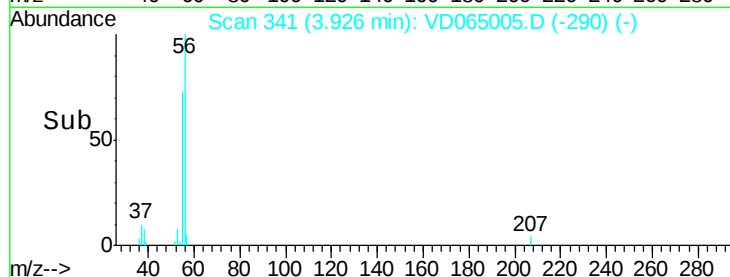
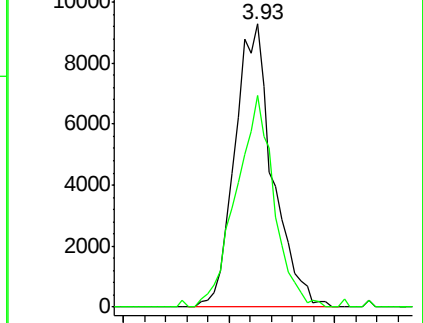
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.385 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

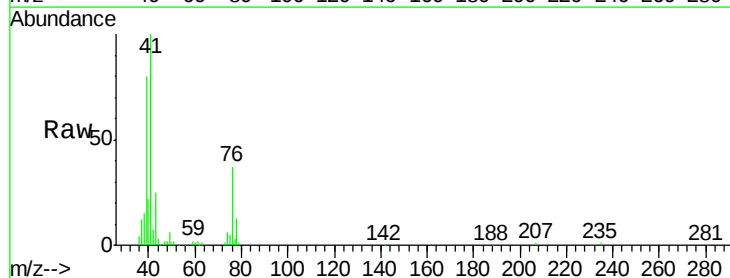
Tgt Ion: 41 Resp: 135340

Ion Ratio Lower Upper

41 100

39 76.6 62.0 93.0

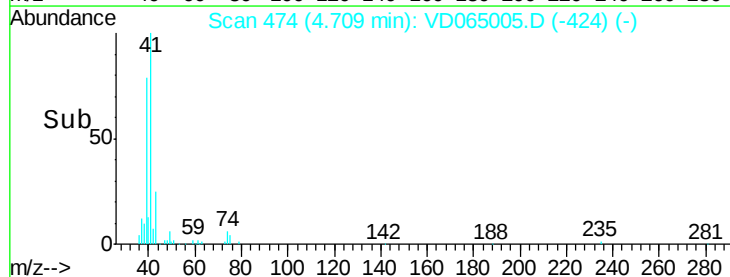
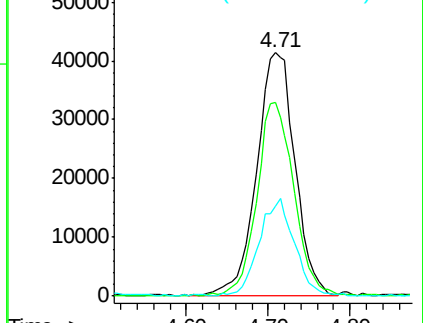
76 36.7 29.3 43.9

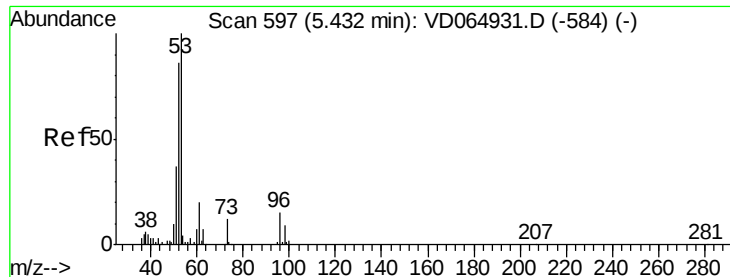


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.840 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

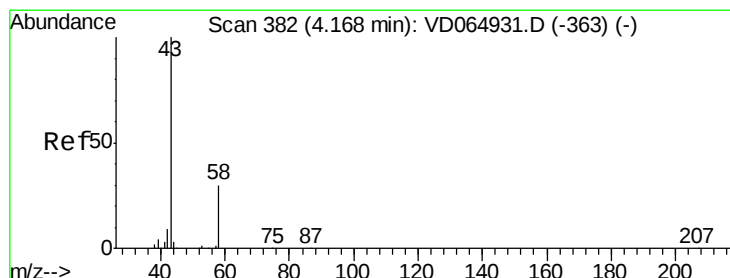
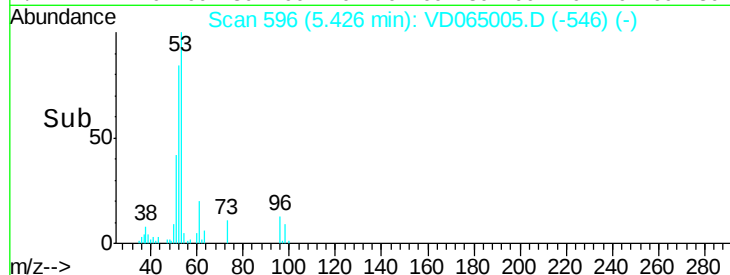
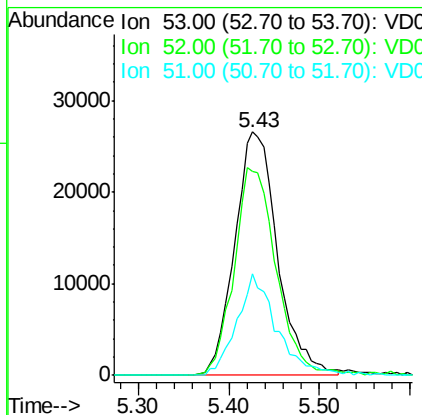
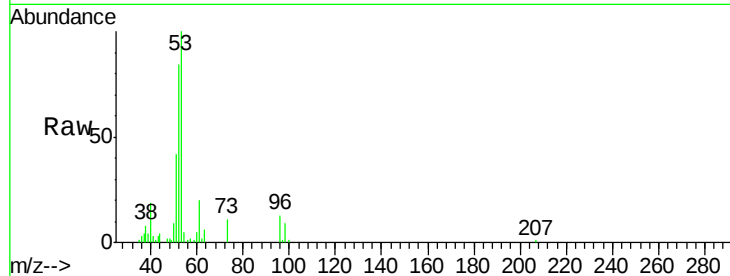
ClientSampleId :

VD0130SBS01

Tot Ion:	53	Resp:	87141
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	38.4	31.1	46.7

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#16

Acetone

Concen: 90.002 ug/l

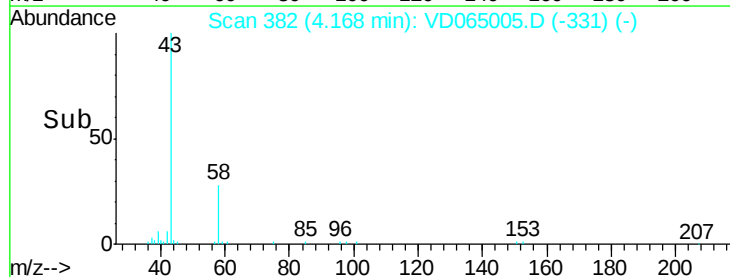
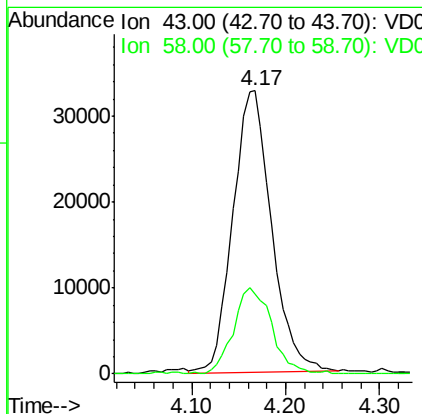
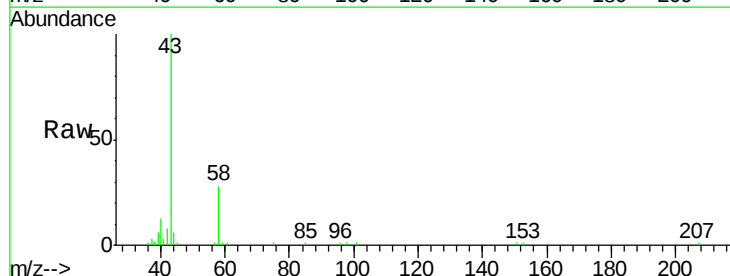
RT: 4.17 min Scan# 382

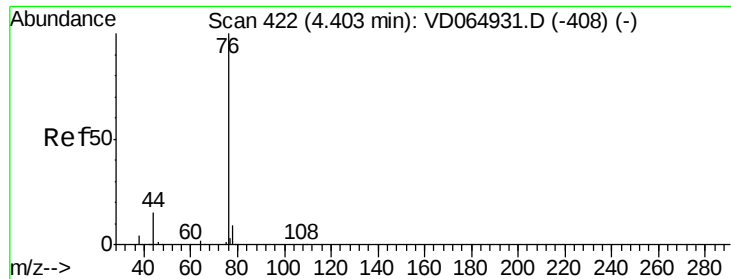
Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	43	Resp:	93806
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.8	35.8





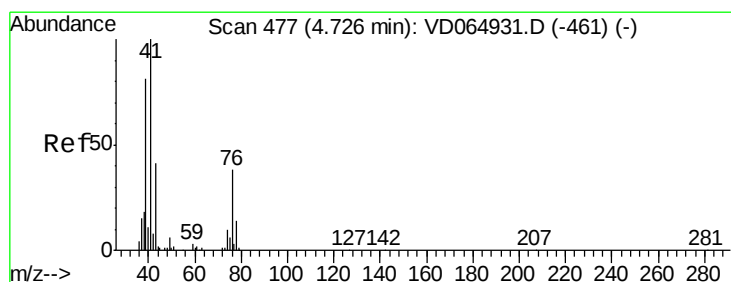
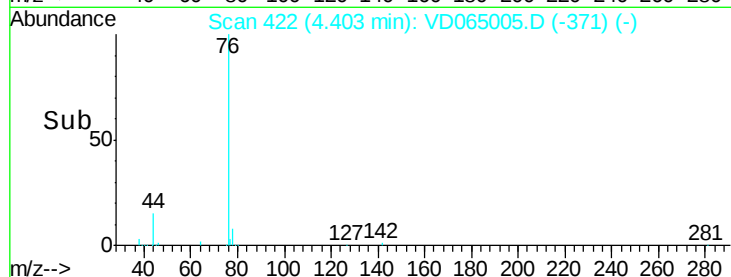
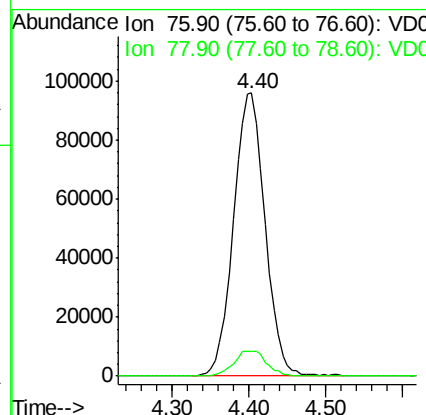
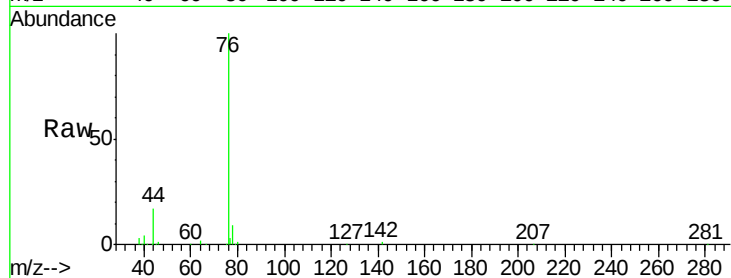
#17
Carbon Disulfide
Concen: 21.006 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

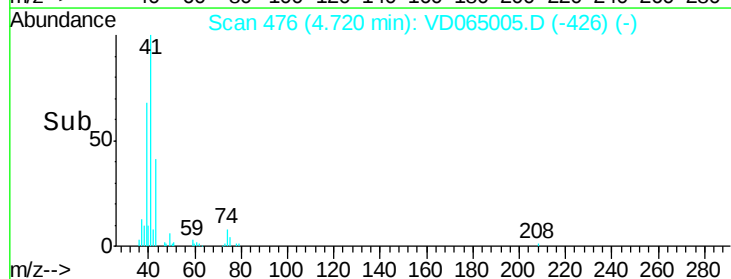
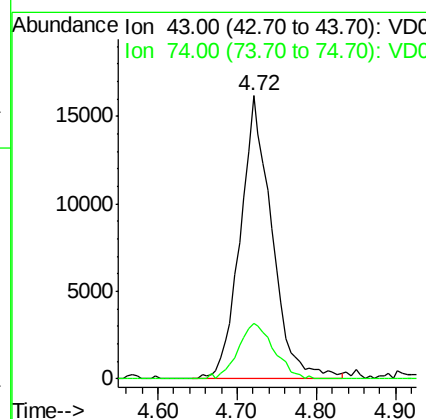
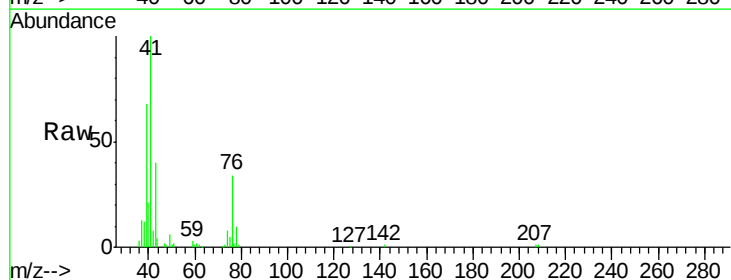
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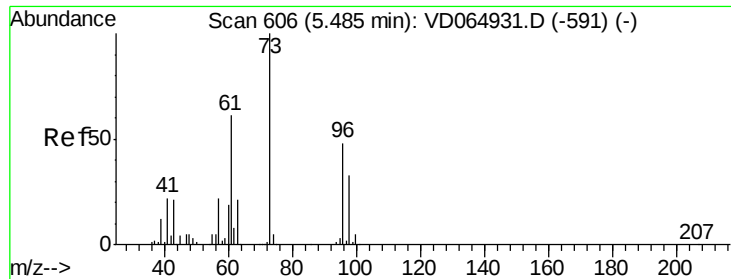
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#18
Methyl Acetate
Concen: 21.960 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.1	28.7





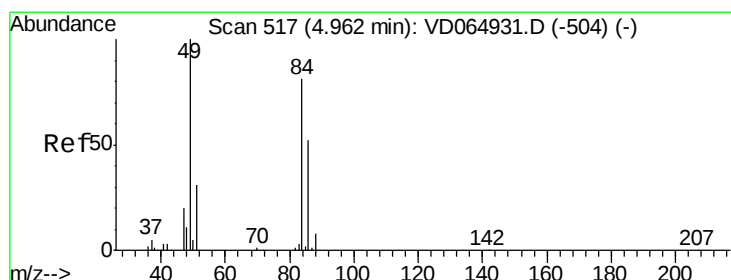
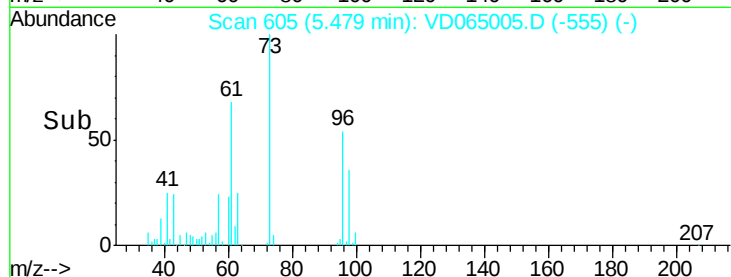
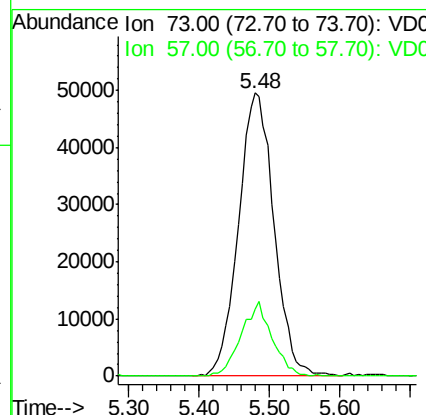
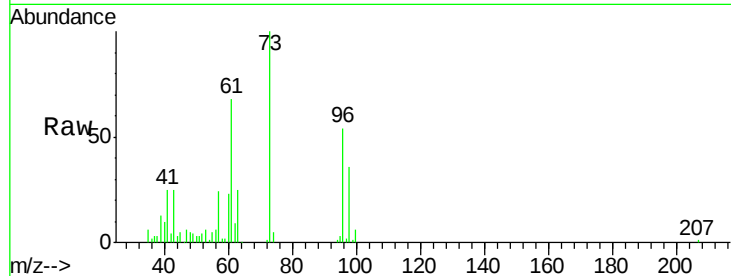
#19
Methyl tert-butyl Ether
Concen: 19.525 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 73 Resp: 173117
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

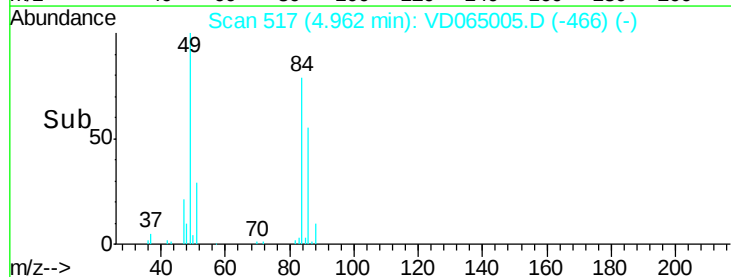
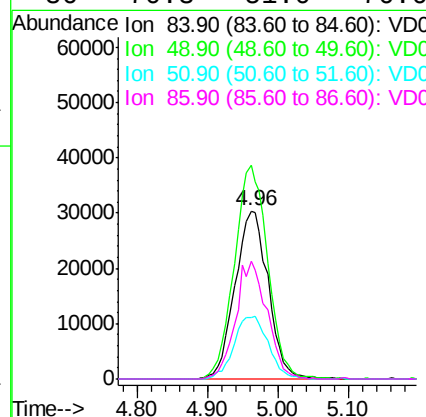
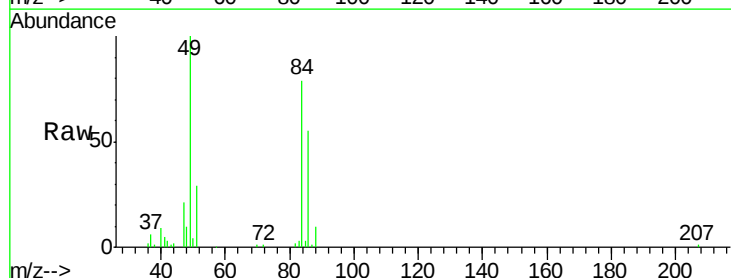
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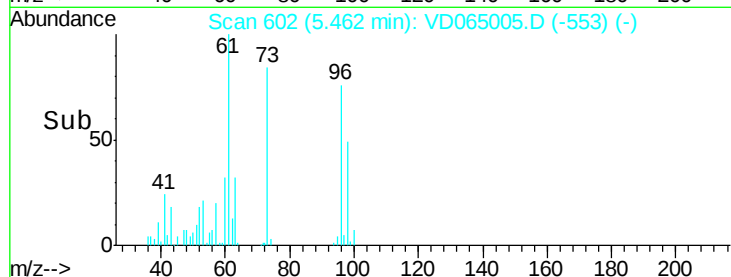
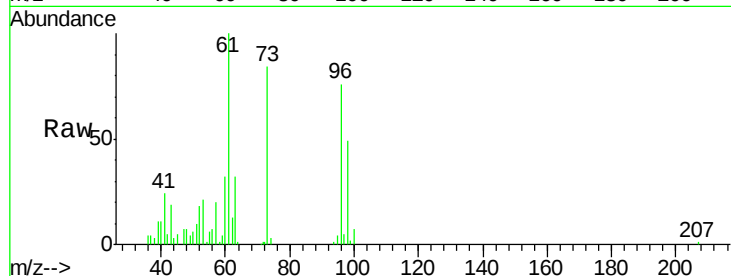
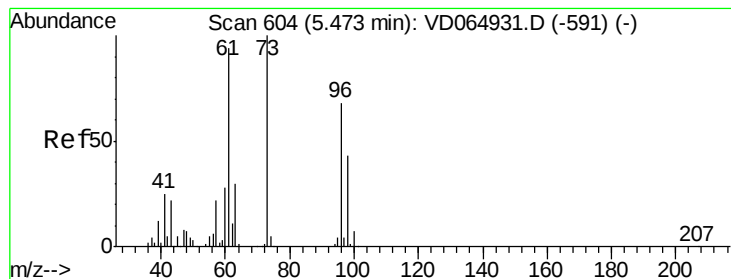
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#20
Methylene Chloride
Concen: 19.432 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 84 Resp: 99262
Ion Ratio Lower Upper
84 100
49 126.9 98.4 147.6
51 36.2 30.8 46.2
86 70.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.843 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tot Ion:	96	Resp:	95289
Ion	Ratio	Lower	Upper
96	100		
61	130.7	110.4	165.6
98	64.1	50.5	75.7

Instrument :

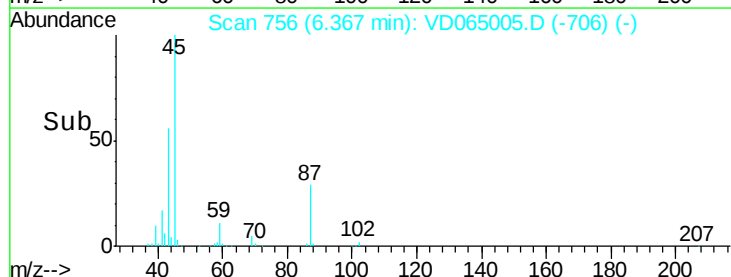
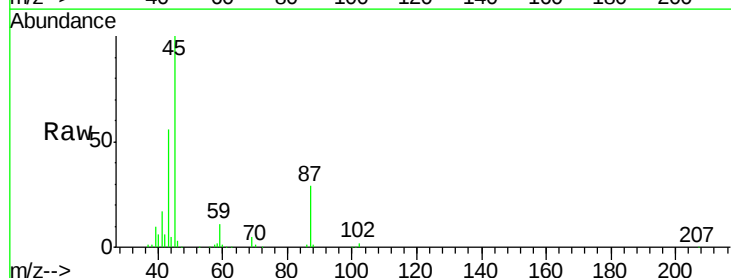
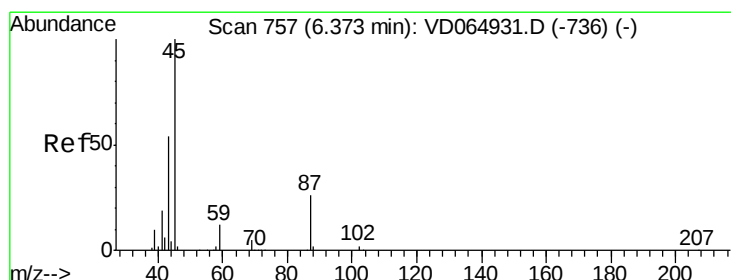
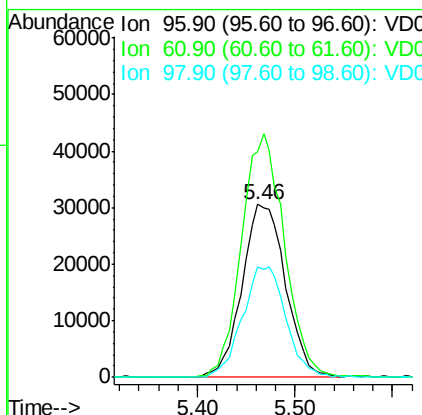
MSVOA_D

ClientSampleId :

VD0130SBS01

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#22

Diisopropyl ether

Concen: 20.654 ug/l

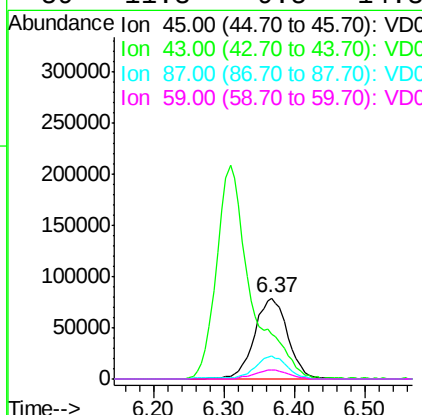
RT: 6.37 min Scan# 756

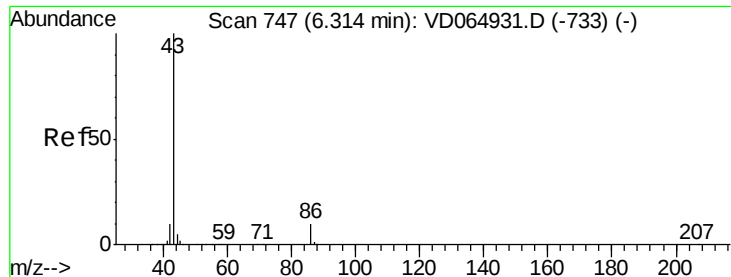
Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	45	Resp:	260512
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.1	64.7
87	29.1	21.4	32.2
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 95.676 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 706540

Ion Ratio Lower Upper

43 100

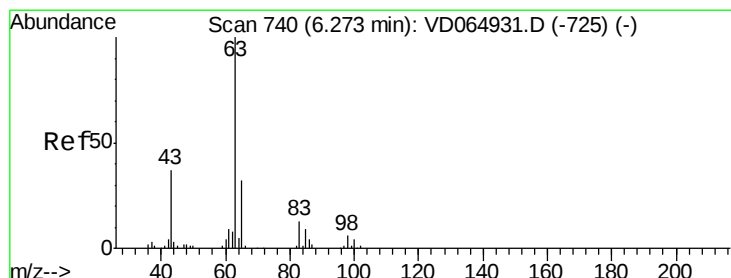
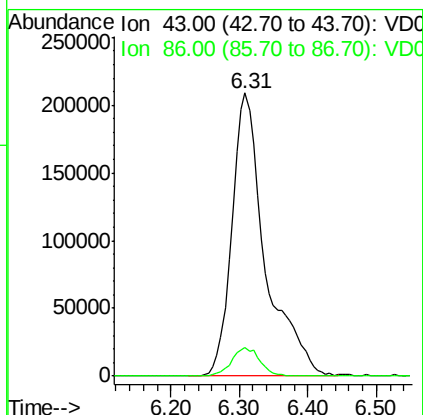
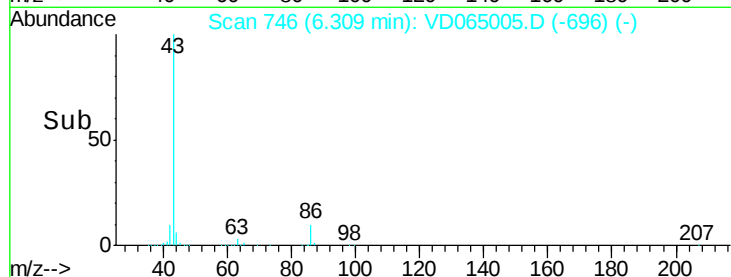
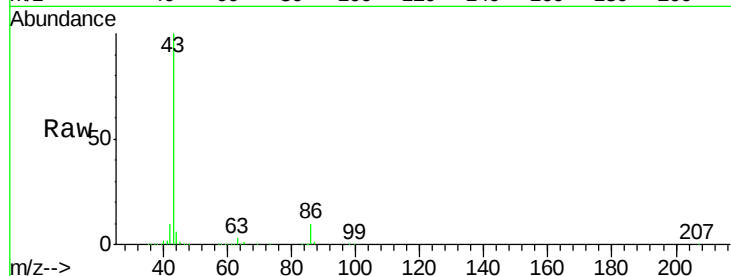
86 10.0 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.078 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

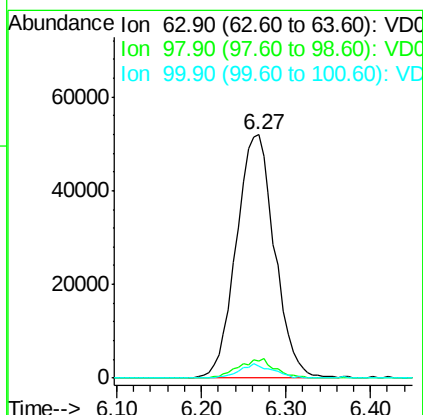
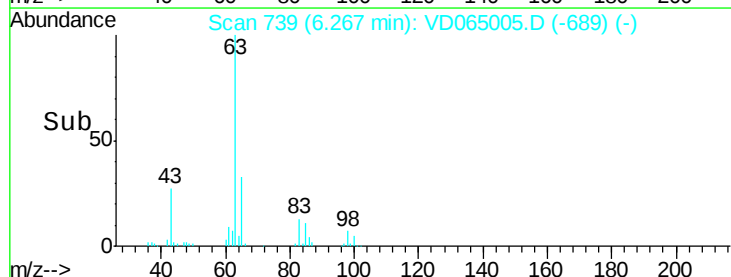
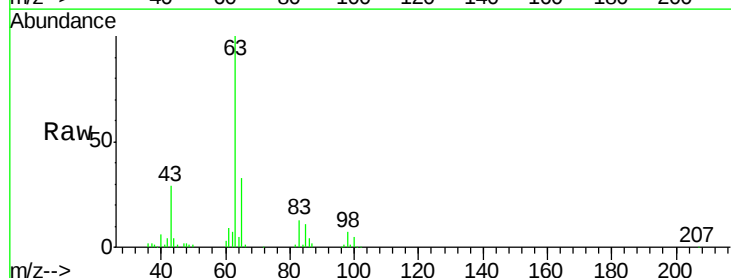
Tgt Ion: 63 Resp: 163228

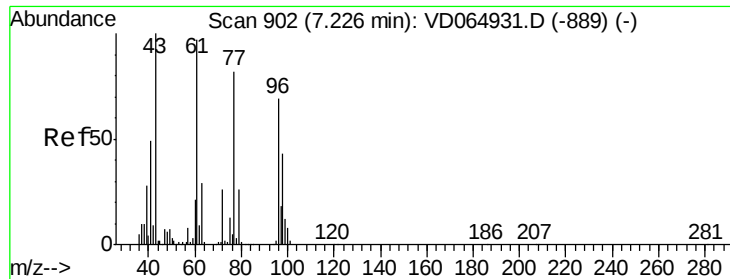
Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 97.550 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 115240

Ion Ratio Lower Upper

43 100

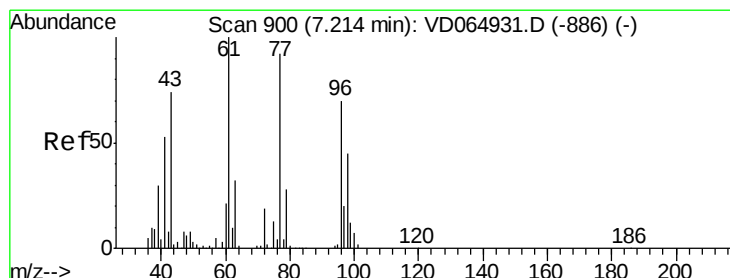
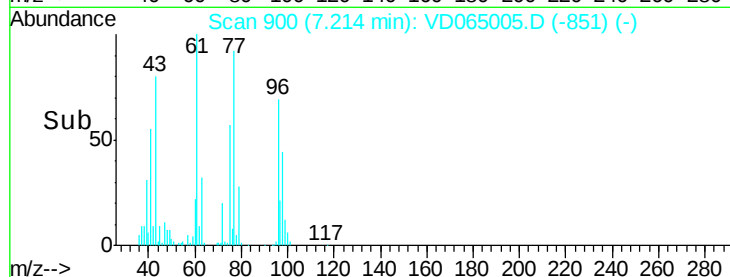
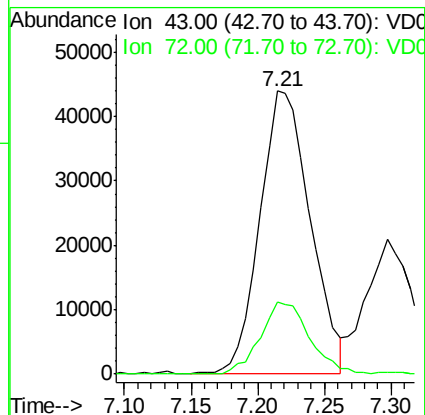
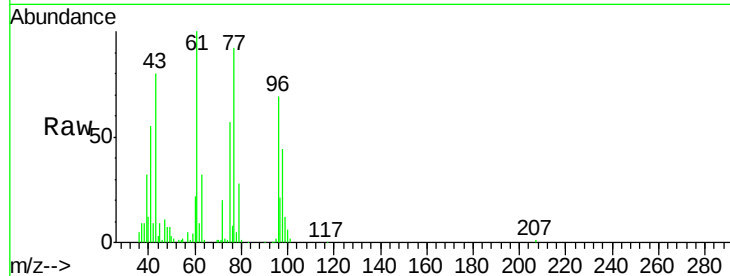
72 25.6 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.819 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065005.D

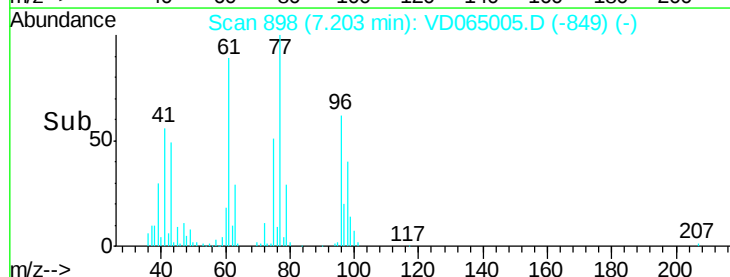
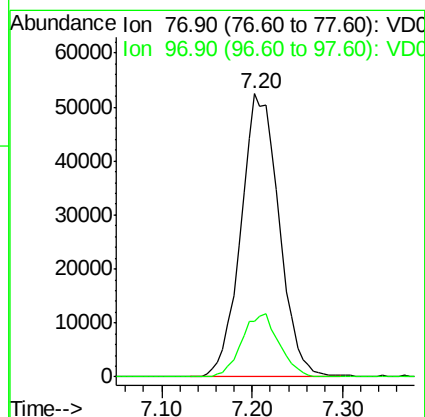
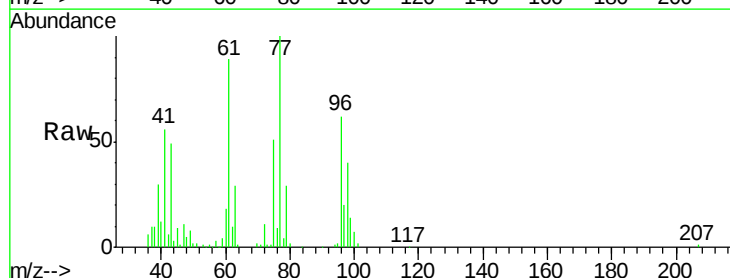
Acq: 30 Jan 2020 11:27

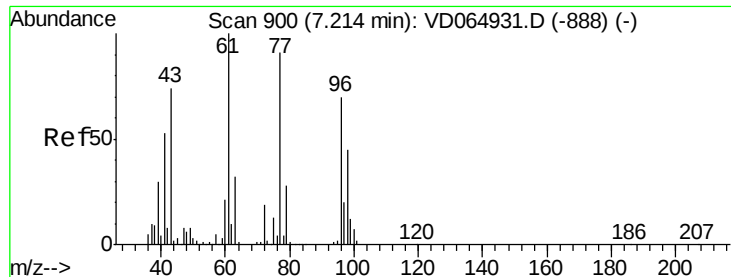
Tgt Ion: 77 Resp: 153261

Ion Ratio Lower Upper

77 100

97 21.7 11.4 34.2





#27

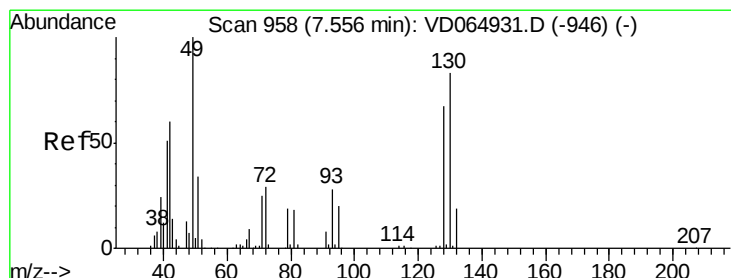
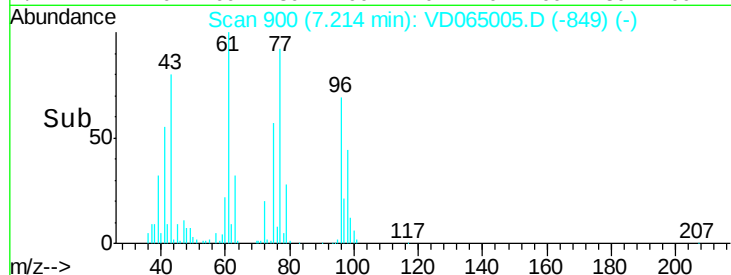
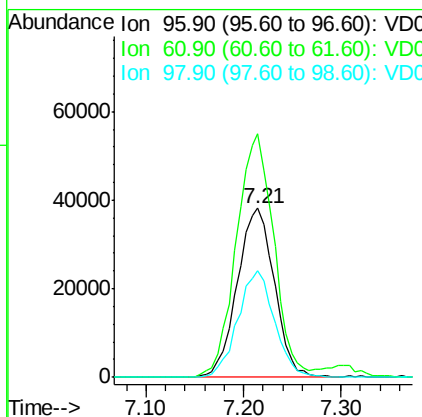
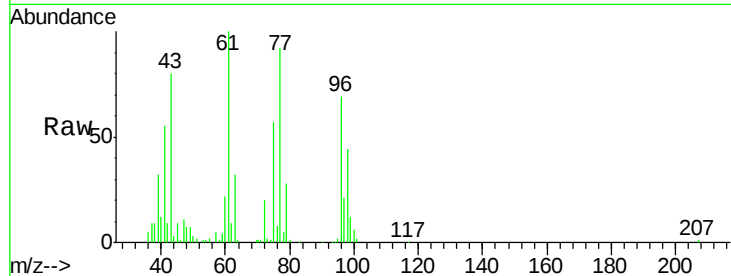
cis-1,2-Dichloroethene
Concen: 20.739 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.0	0.0	292.8	
98	62.3	0.0	130.0	

Manual Integrations
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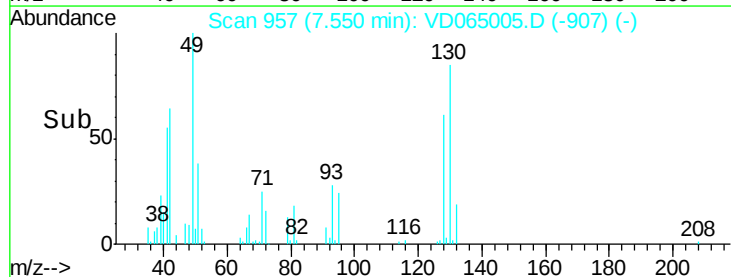
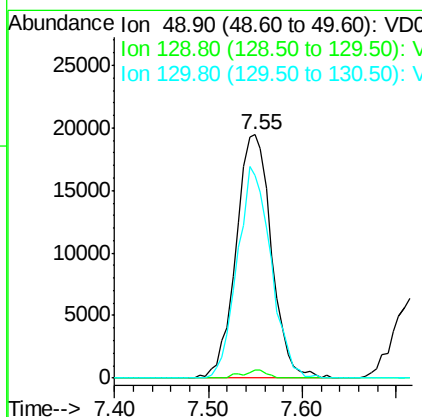
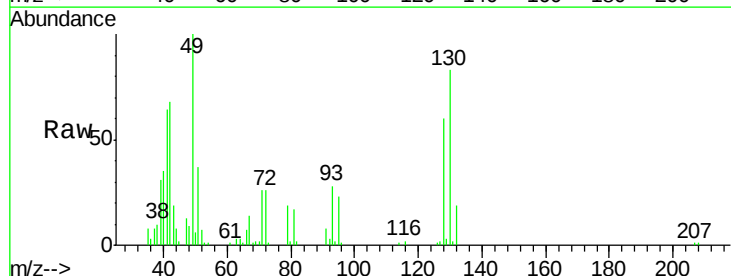
MMDadoda
1/31/2020 4:25:38 PM

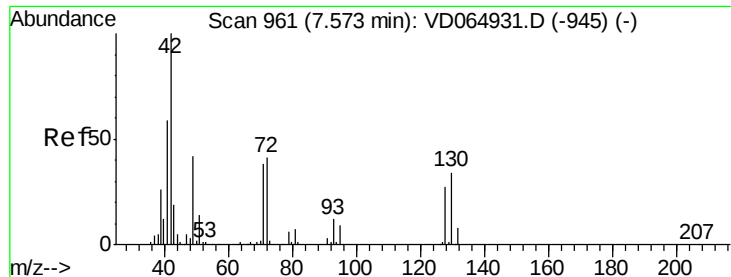


#28

Bromochloromethane
Concen: 16.336 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	82.9	63.8	95.8	





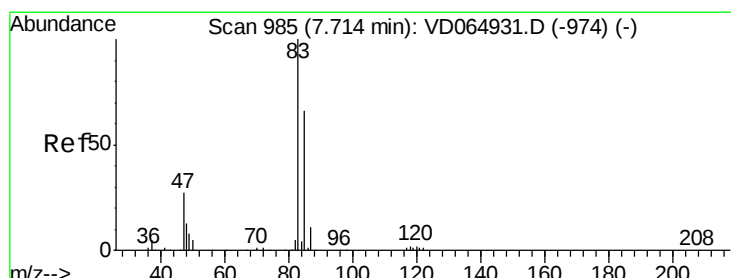
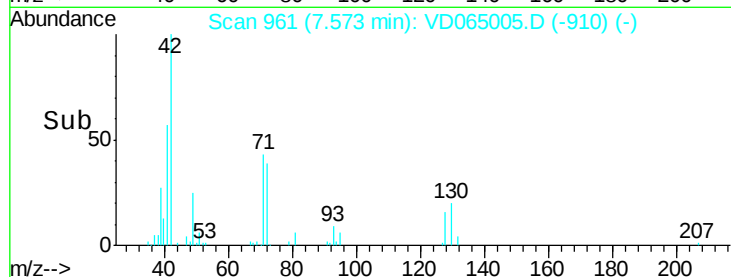
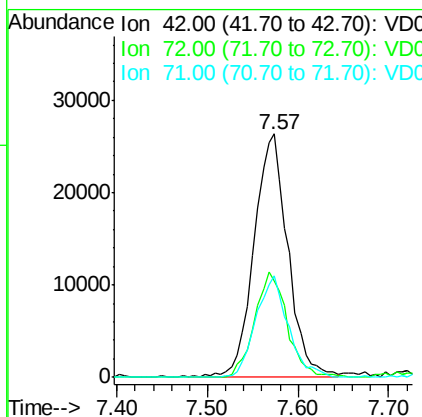
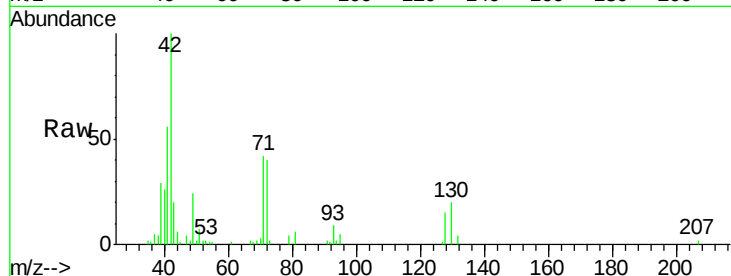
#29
Tetrahydrofuran
Concen: 94.103 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.0	51.0
71	39.9	31.5	47.3

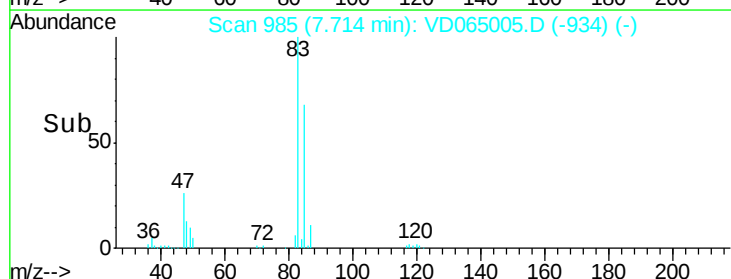
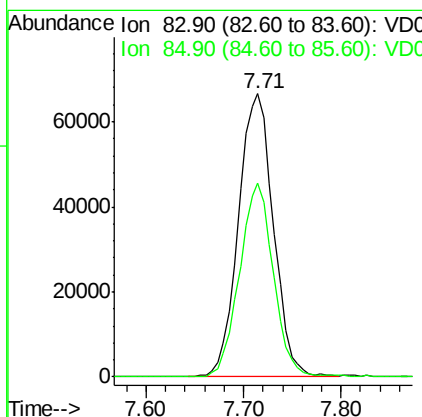
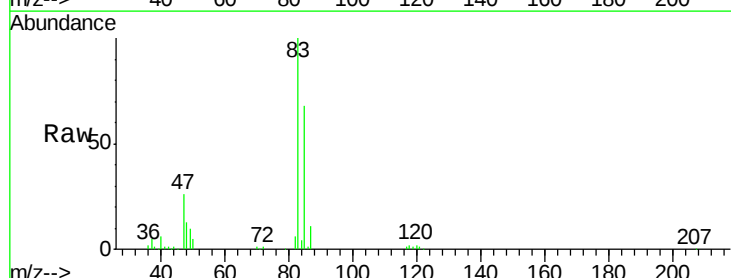
Manual Integrations
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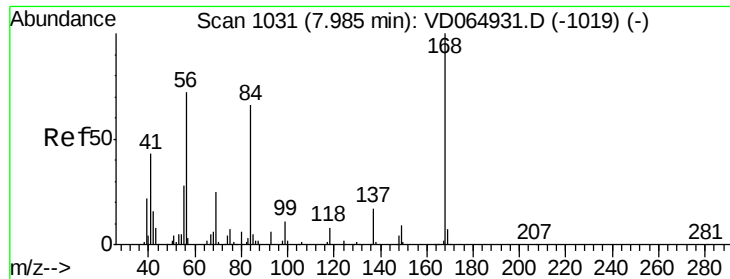
MMDadoda
1/31/2020 4:25:38 PM



#30
Chloroform
Concen: 20.806 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.4	78.6





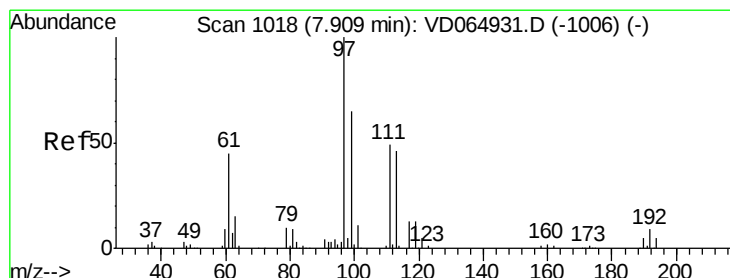
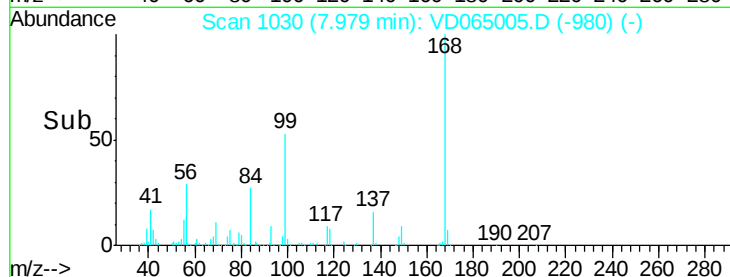
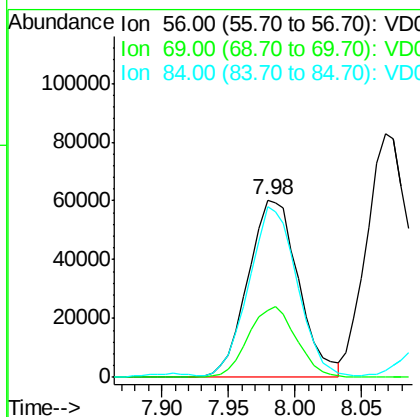
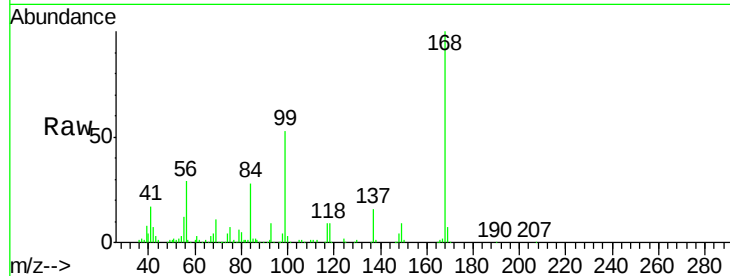
#31
Cyclohexane
Concen: 20.843 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	27.9	41.9
84	94.2	72.8	109.2

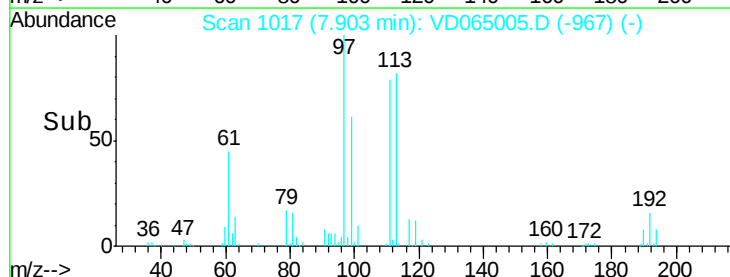
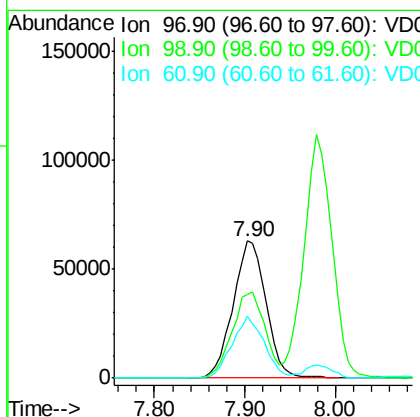
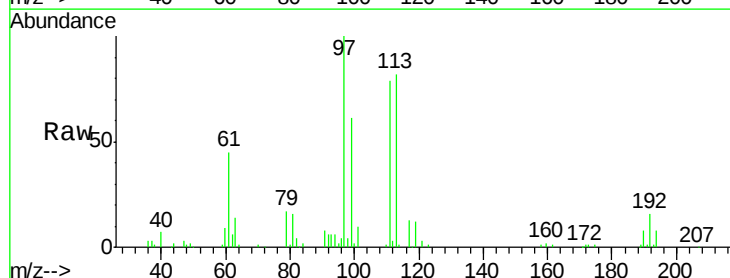
Manual Integrations
APPROVED

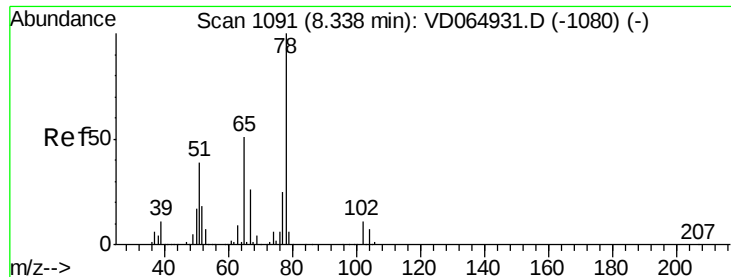
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.356 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.6	76.0
61	43.8	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 45.172 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 65 Resp: 197522

Ion Ratio Lower Upper

65 100

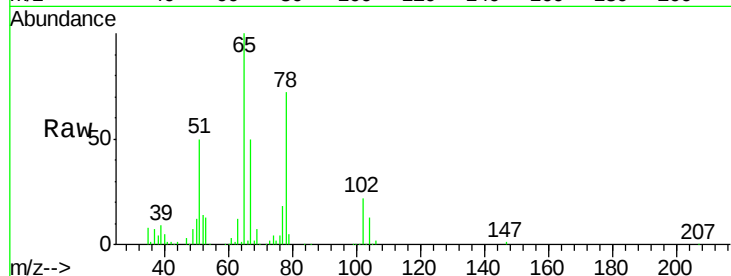
67 51.4 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VD064931.D (-1080) (-)

Ion 66.90 (66.60 to 67.60): VD064931.D (-1080) (-)

8.33

100000

80000

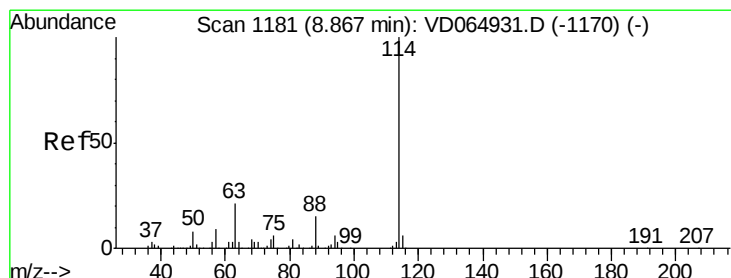
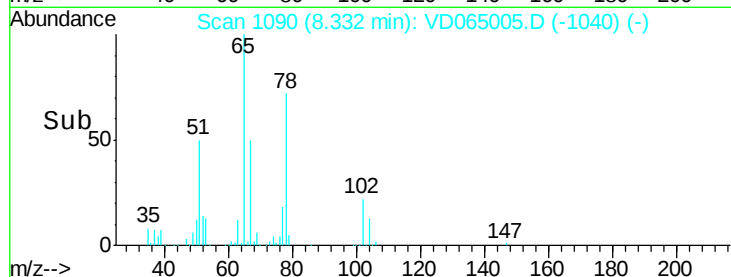
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

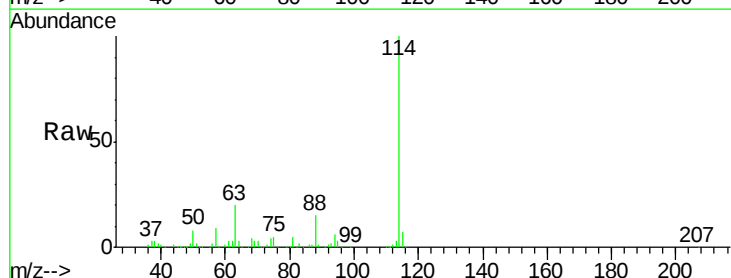
Tgt Ion: 114 Resp: 672297

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.0

88 15.1 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): VD064931.D (-1170) (-)

Ion 63.00 (62.70 to 63.70): VD064931.D (-1170) (-)

Ion 87.90 (87.60 to 88.60): VD064931.D (-1170) (-)

8.87

400000

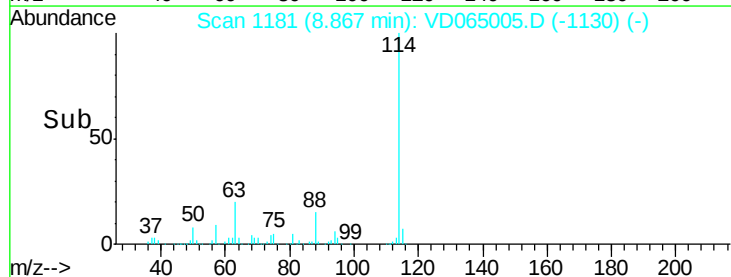
300000

200000

100000

0

Time-->





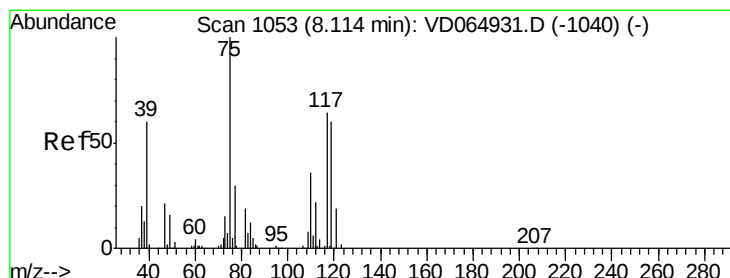
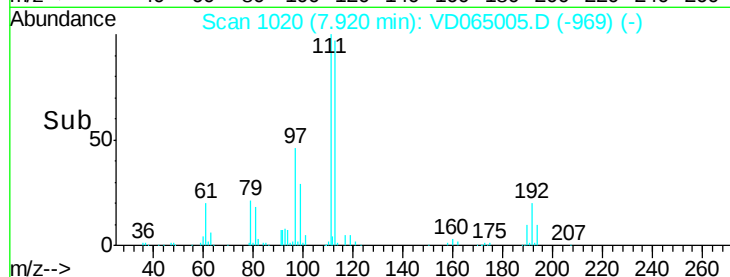
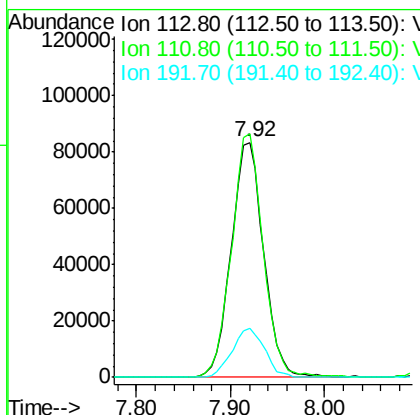
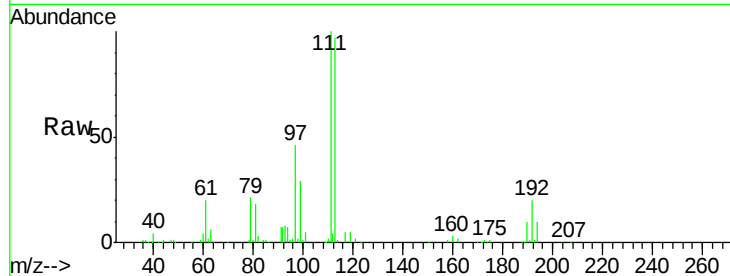
#35
 Dibromofluoromethane
 Concen: 47.332 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199969		
111	101.0	82.4	123.6	
192	21.0	16.9	25.3	

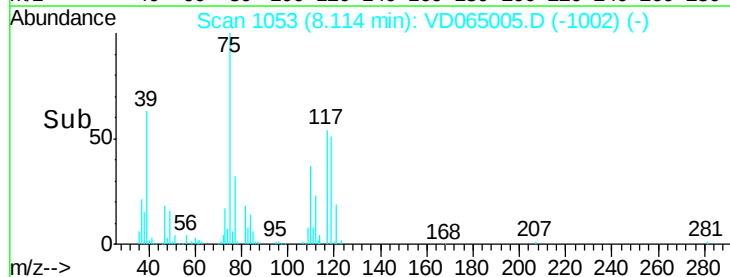
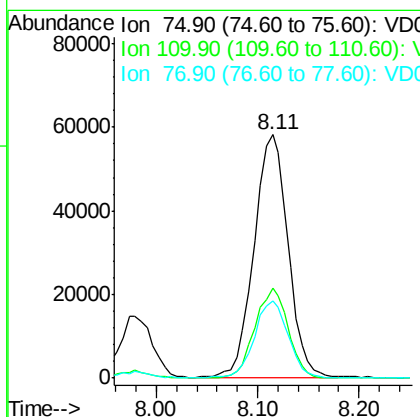
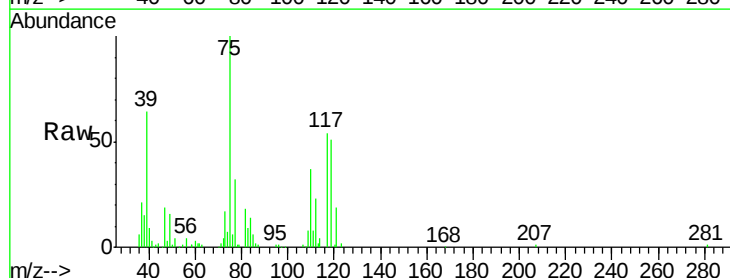
Manual Integrations
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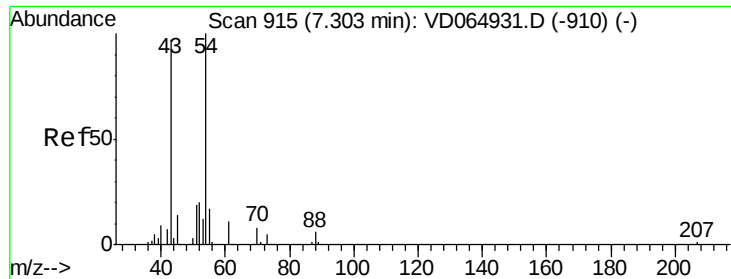
MMDadoda
 1/31/2020 4:25:38 PM



#36
 1,1-Dichloropropene
 Concen: 21.047 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136444		
110	35.9	17.3	52.0	
77	31.4	24.7	37.1	





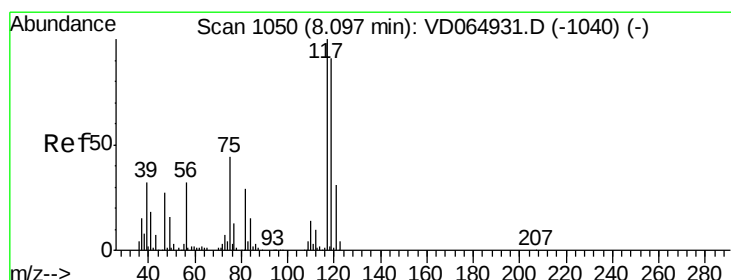
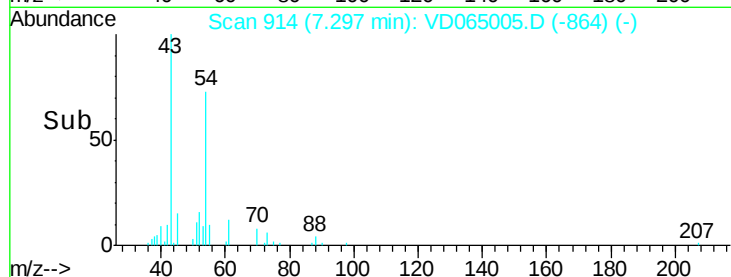
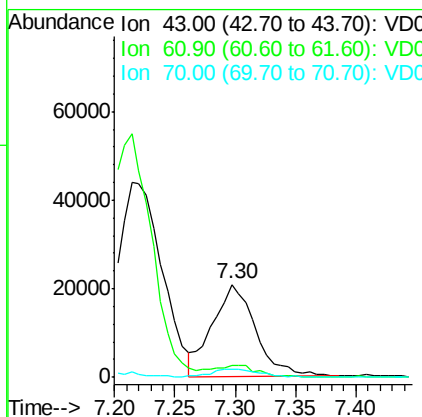
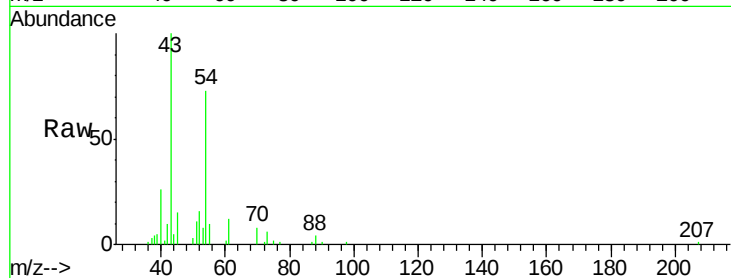
#37
Ethyl Acetate
Concen: 19.226 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	10.4	7.5	11.3

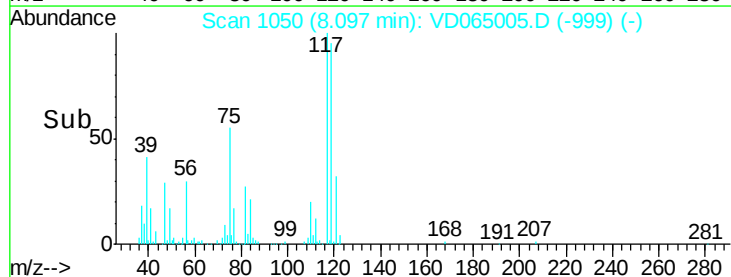
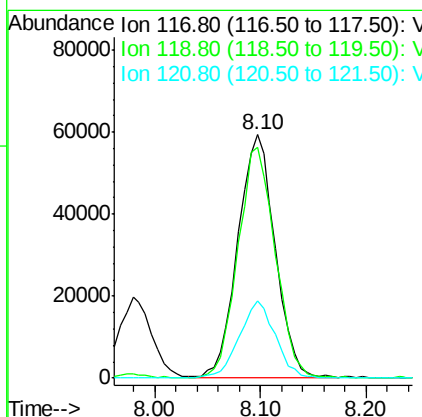
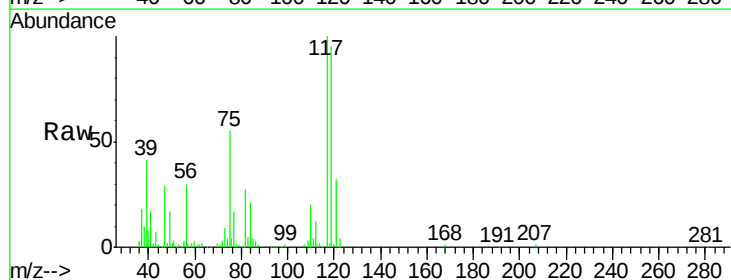
Manual Integrations
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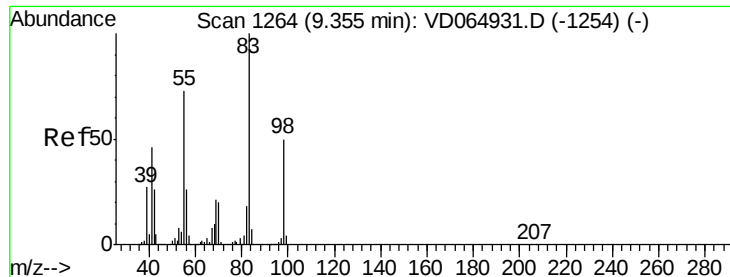
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#38
Carbon Tetrachloride
Concen: 21.272 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.2	109.8
121	31.8	24.4	36.6





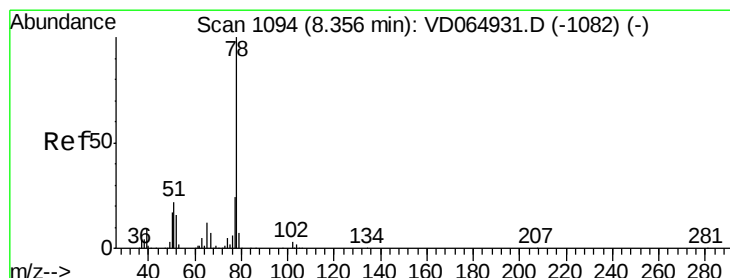
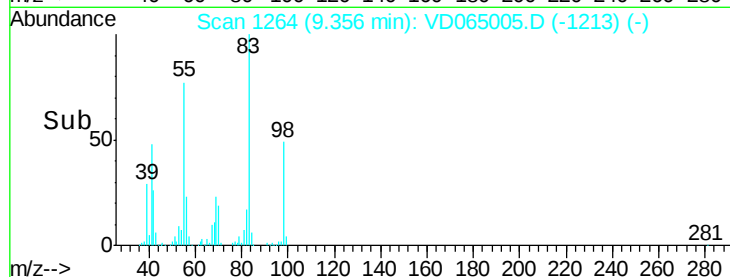
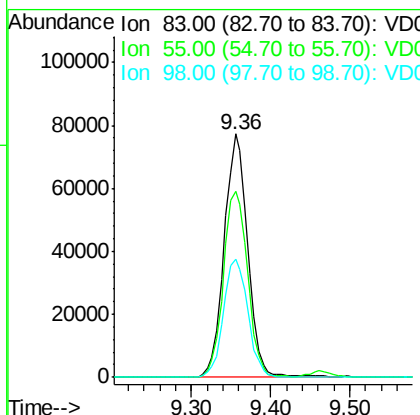
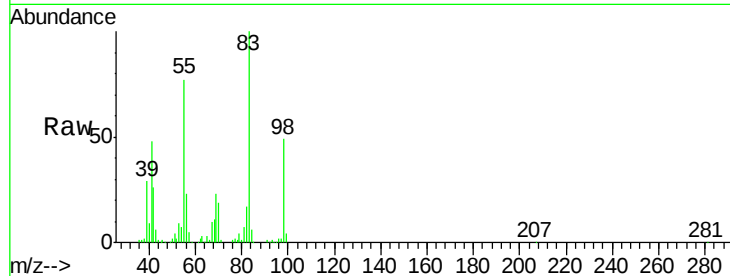
#39
Methvlcvclohexane
Concen: 20.885 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	58.7	88.1
98	48.8	40.2	60.2

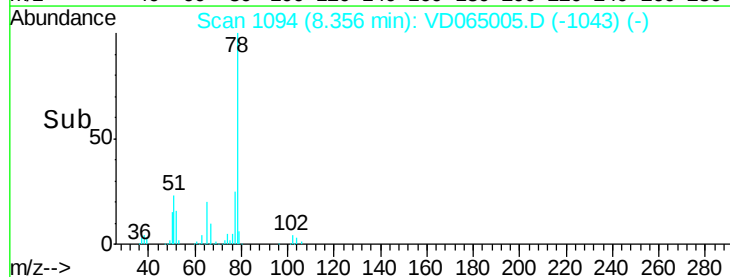
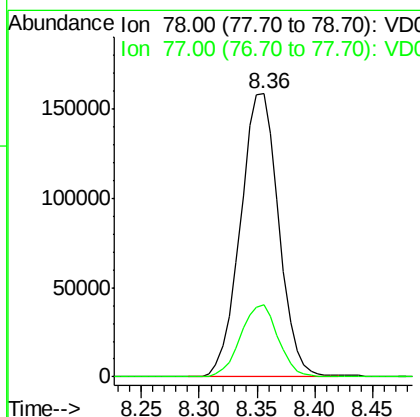
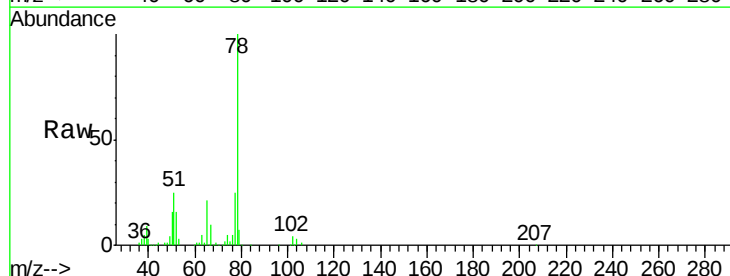
Manual Integrations
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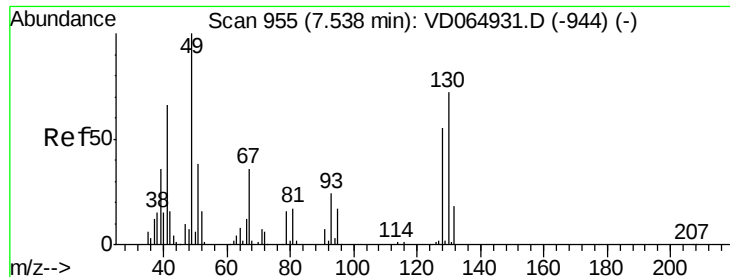
MMDadoda
1/31/2020 4:25:38 PM



#40
Benzene
Concen: 20.497 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8





#41

Methacrylonitrile

Concen: 21.579 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 41 Resp: 31128

Ion Ratio Lower Upper

41 100

39 61.5 49.3 73.9

67 67.1 51.0 76.6

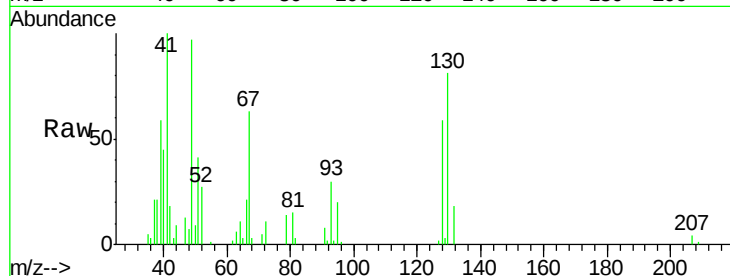
52 30.5 22.3 33.5

Manual Integrations

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MMDadoda

1/31/2020 4:25:38 PM

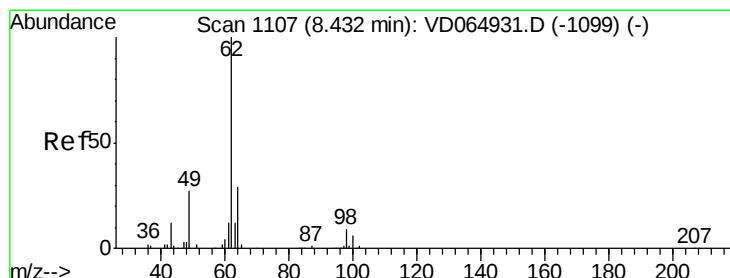
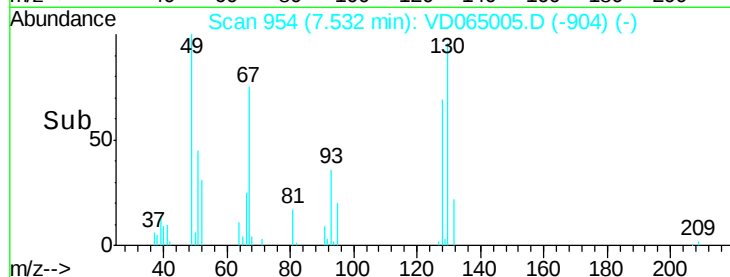
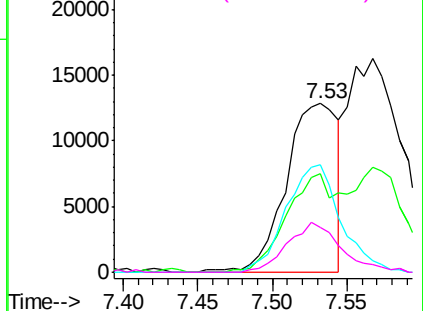


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.049 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065005.D

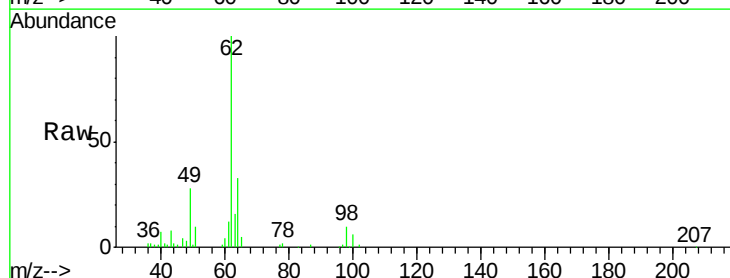
Acq: 30 Jan 2020 11:27

Tgt Ion: 62 Resp: 106635

Ion Ratio Lower Upper

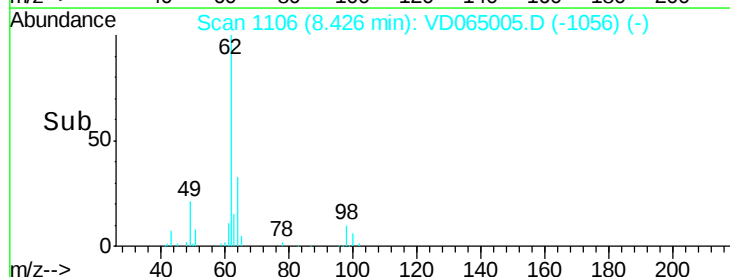
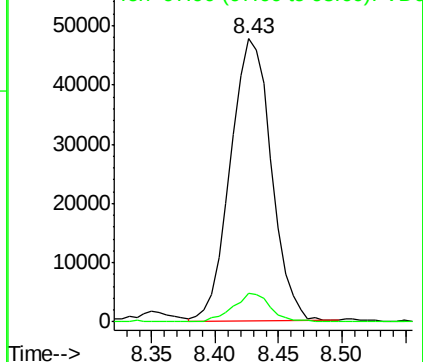
62 100

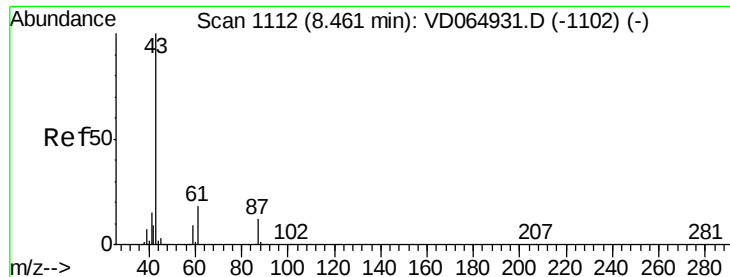
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.866 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

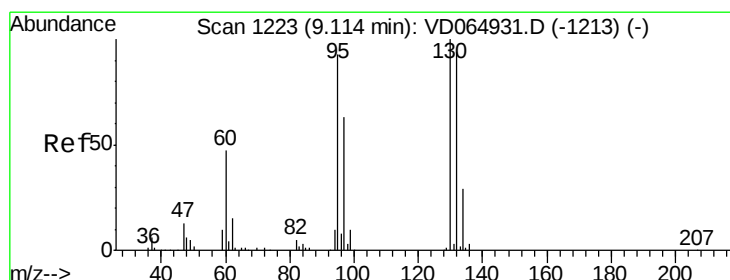
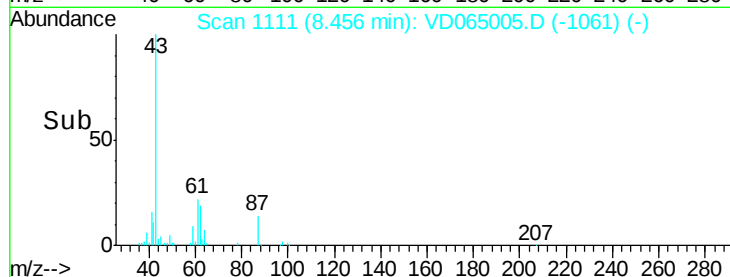
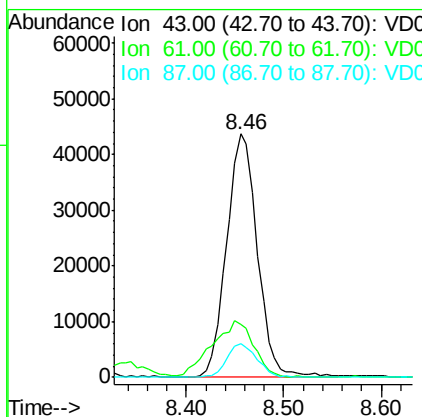
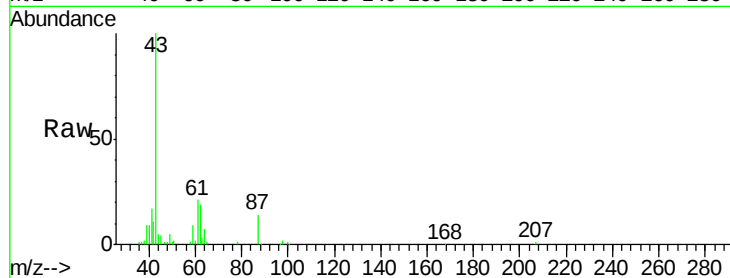
ClientSampleId :

VD0130SBS01

Tot Ion:	43	Resp:	95963
Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.8	35.6
87	13.4	10.3	15.5

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#44

Trichloroethene

Concen: 20.782 ug/l

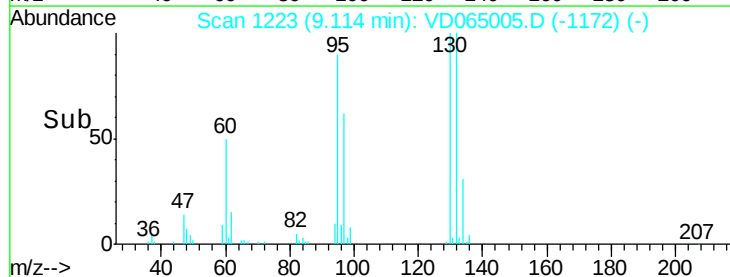
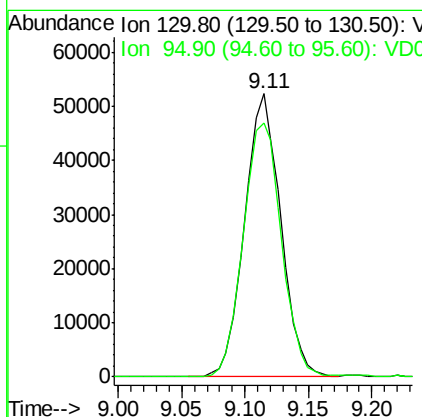
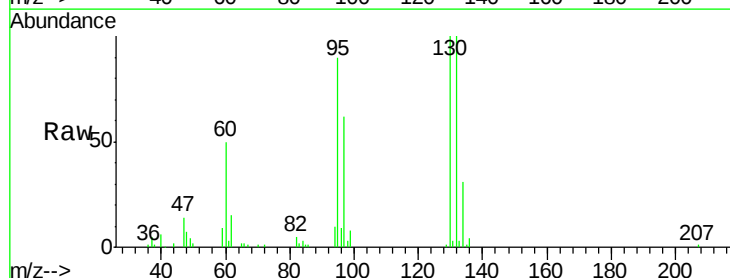
RT: 9.11 min Scan# 1223

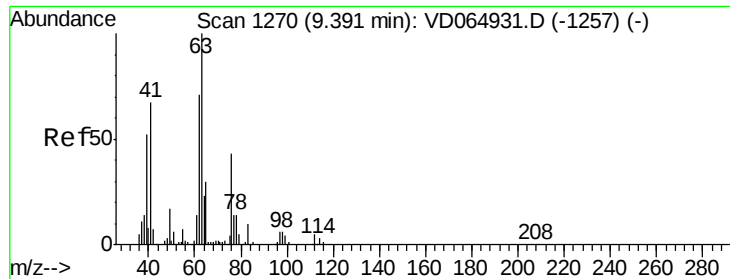
Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	130	Resp:	103846
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	185.8





#45

1,2-Dichloropropane

Concen: 20.793 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 63 Resp: 90000

Ion Ratio Lower Upper

63 100

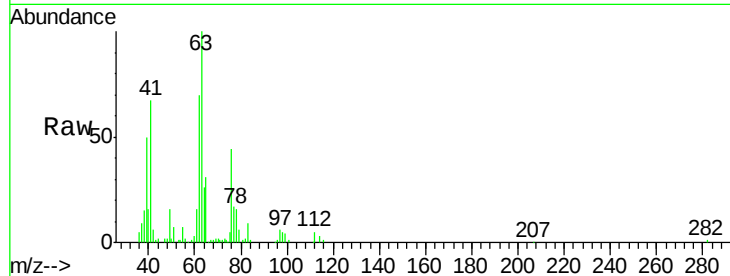
65 31.2 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

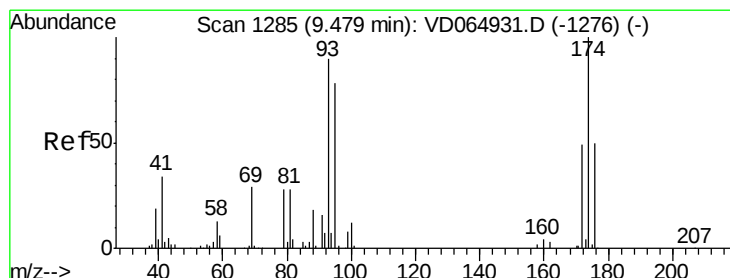
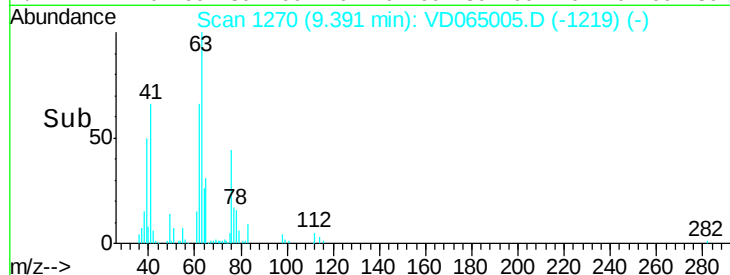
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 19.646 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

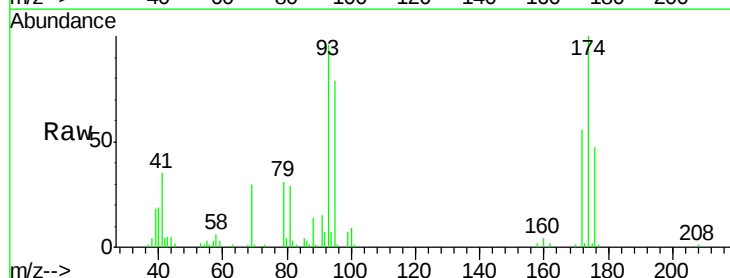
Tgt Ion: 93 Resp: 46425

Ion Ratio Lower Upper

93 100

95 85.7 67.5 101.3

174 111.1 88.4 132.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

30000

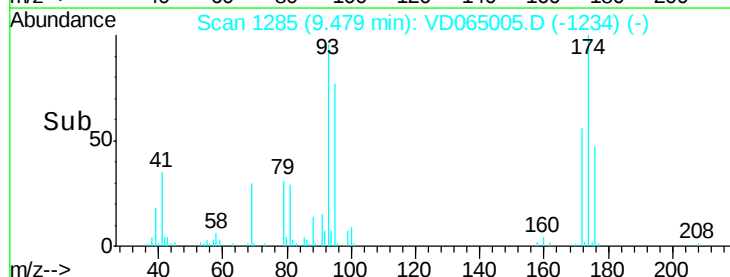
20000

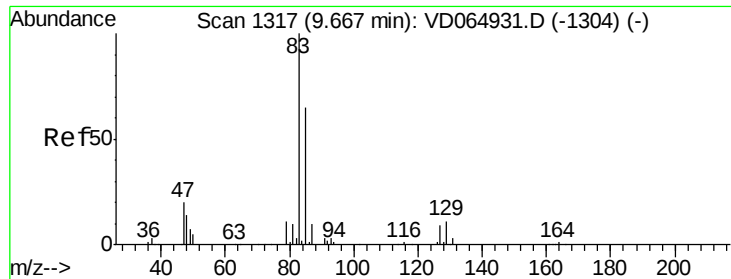
10000

0

Time-->

9.40 9.45 9.50 9.55





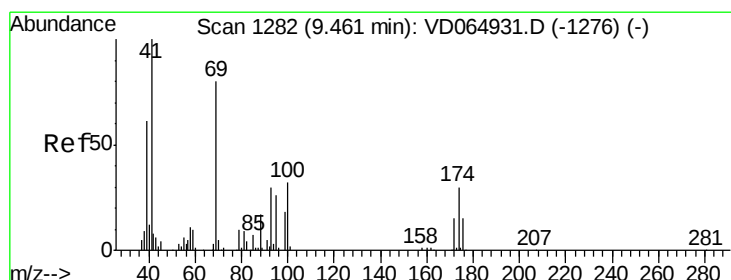
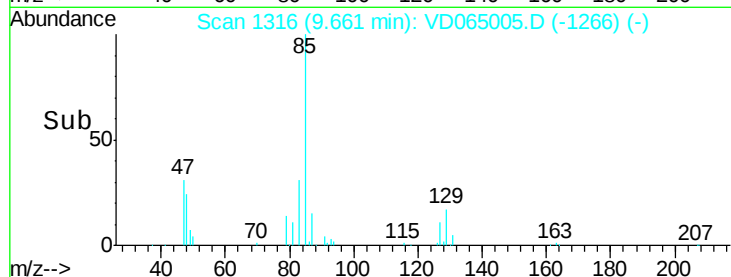
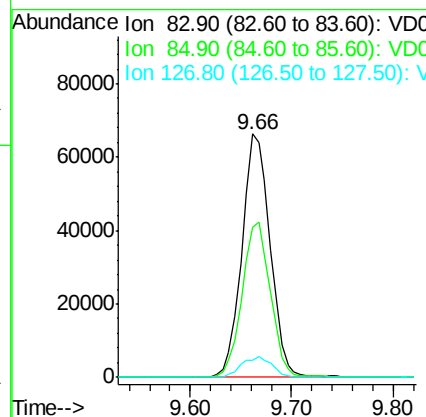
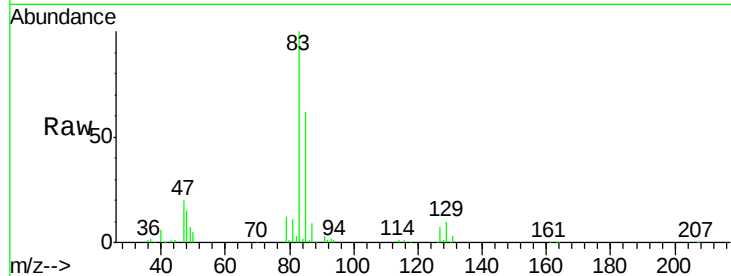
#47
Bromodichloromethane
Concen: 20.856 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.0	78.0
127	7.1	7.3	10.9#

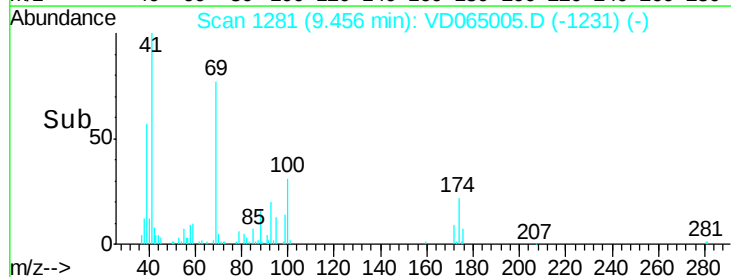
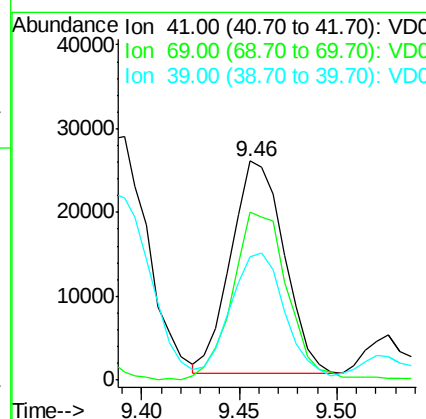
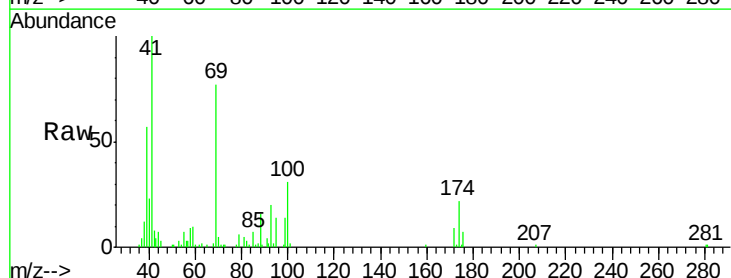
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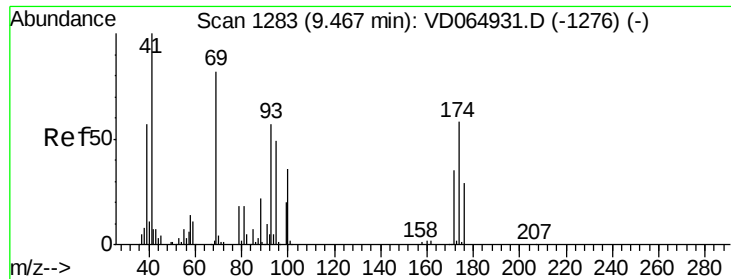
MMDadoda
1/31/2020 4:25:38 PM



#48
Methyl methacrylate
Concen: 20.370 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	65.8	98.8
39	57.3	49.4	74.0





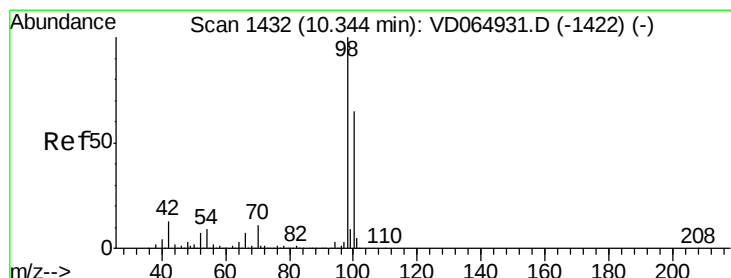
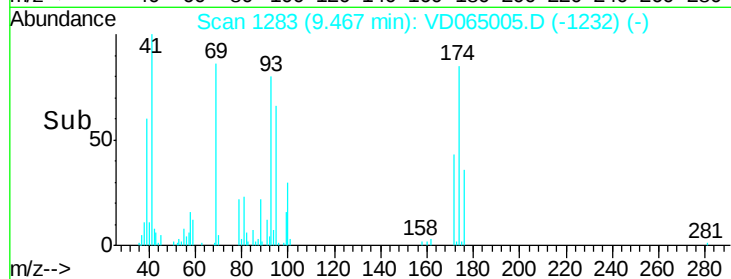
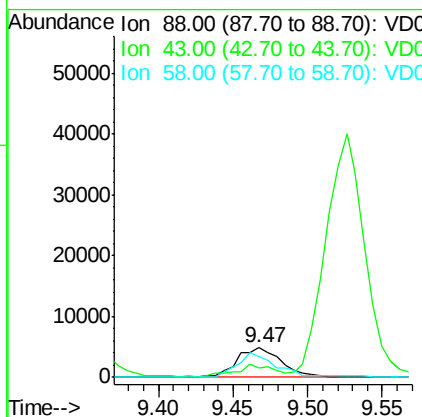
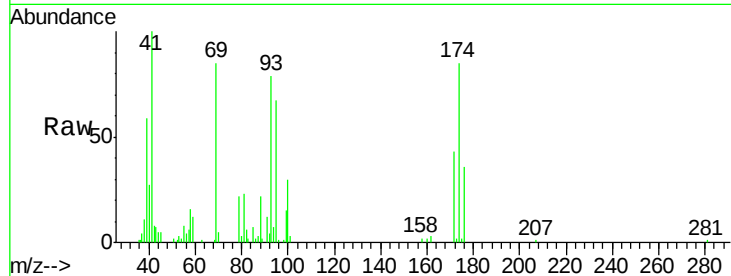
#49
1,4-Dioxane
Concen: 365.747 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	88	Resp	10024
Ion	Ratio	Lower	Upper
88	100		
43	39.7	26.2	39.4#
58	74.1	50.3	75.5

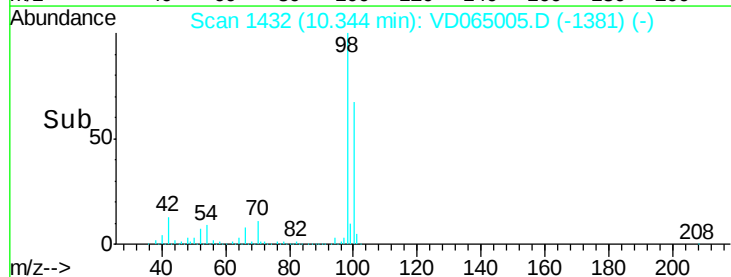
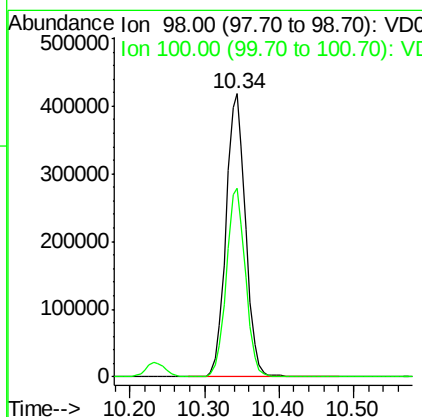
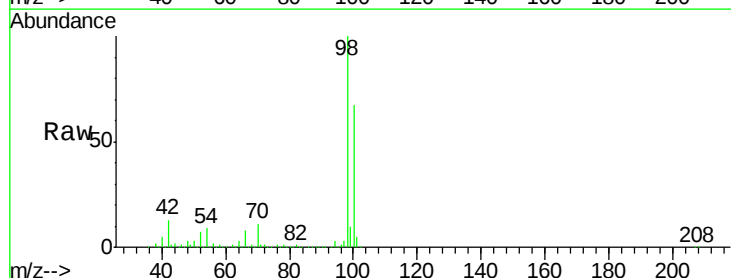
Manual Integrations
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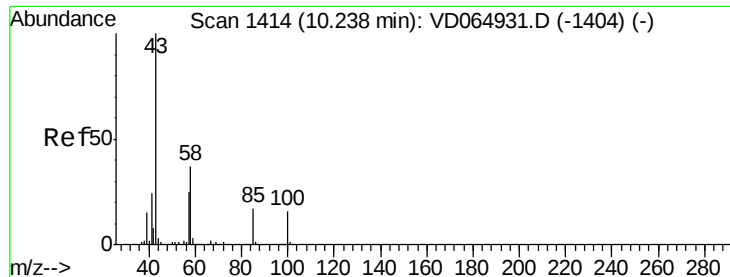
MMDadoda
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#50
Toluene-d8
Concen: 46.714 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	98	Resp	761722
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 94.352 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 240137

Ion Ratio Lower Upper

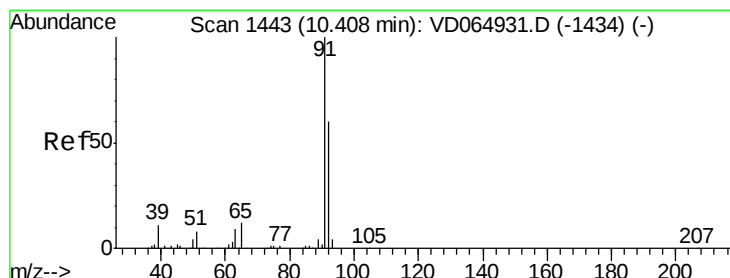
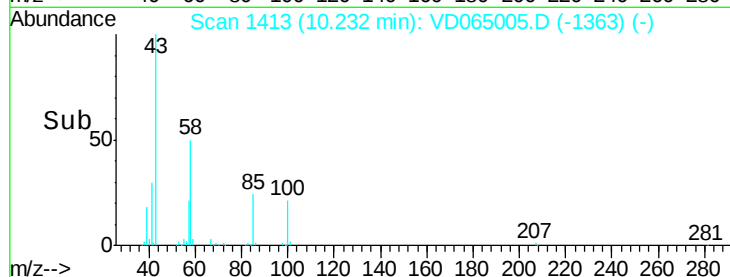
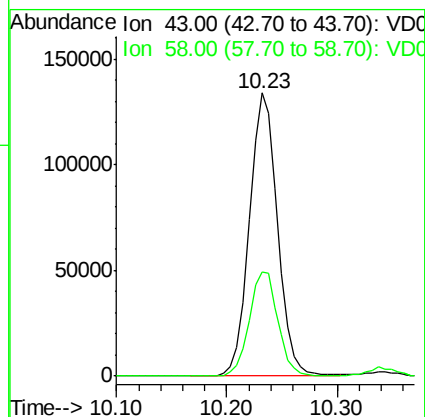
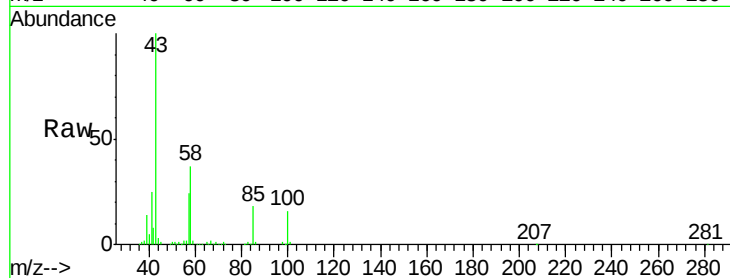
43 100

58 37.5 30.4 45.6

Manual Integrations
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#52

Toluene

Concen: 20.330 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065005.D

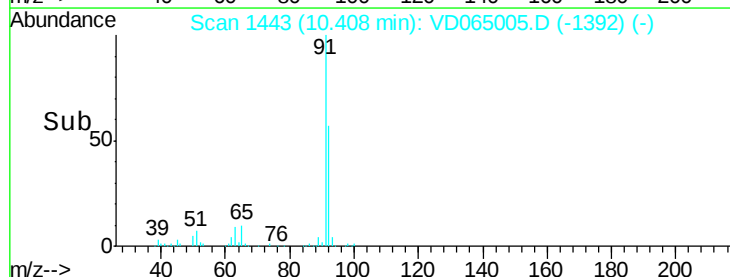
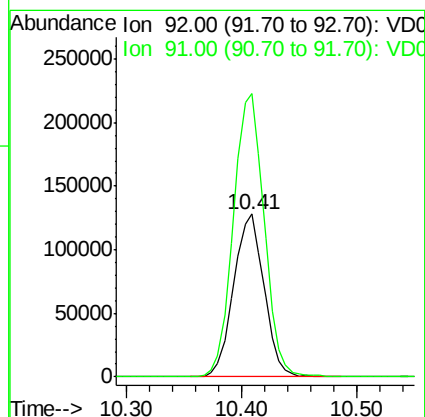
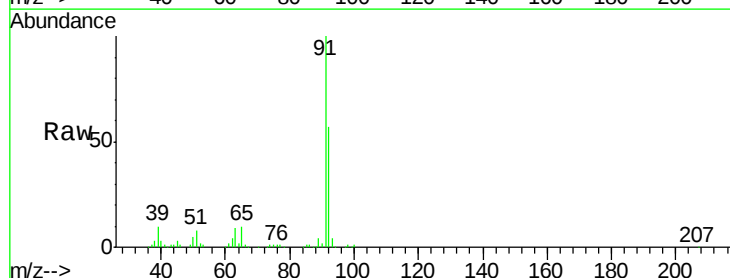
Acq: 30 Jan 2020 11:27

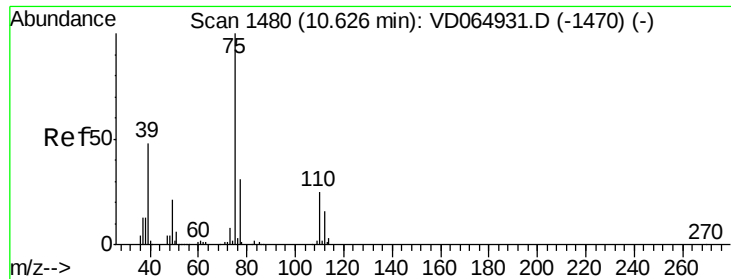
Tgt Ion: 92 Resp: 234023

Ion Ratio Lower Upper

92 100

91 176.0 136.8 205.2





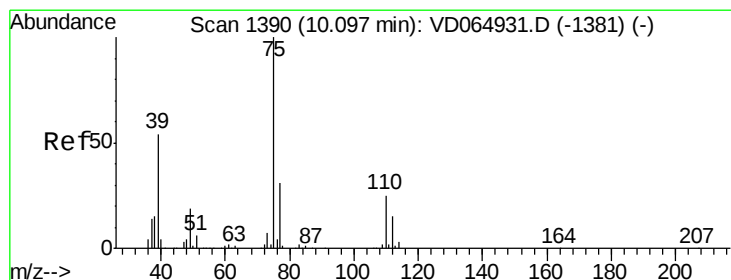
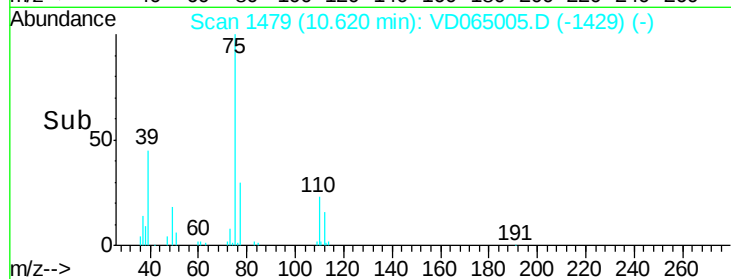
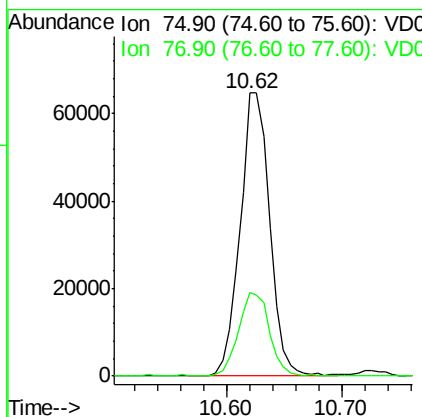
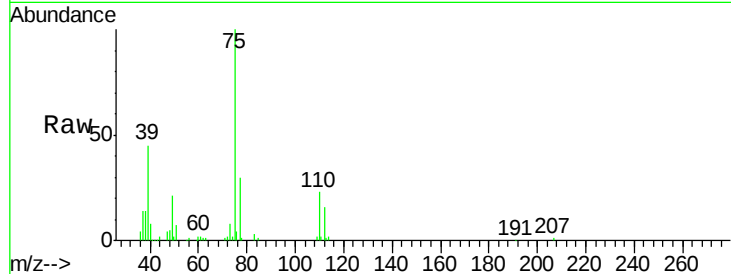
#53
 t-1,3-Dichloropropene
 Concen: 19.704 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.6

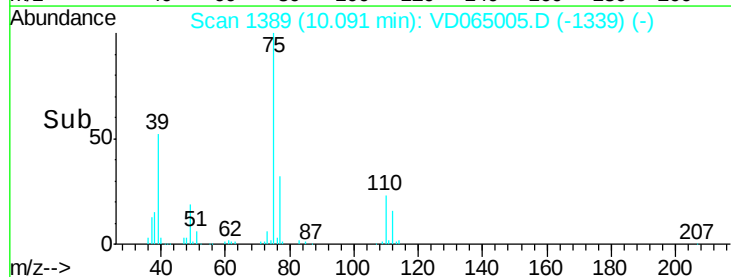
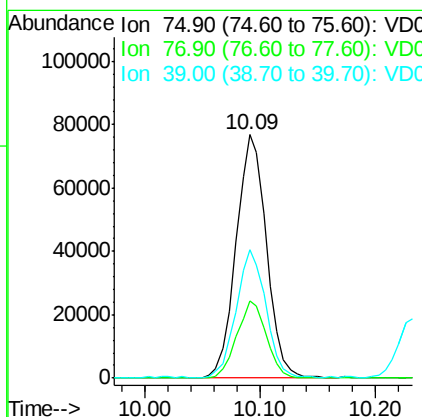
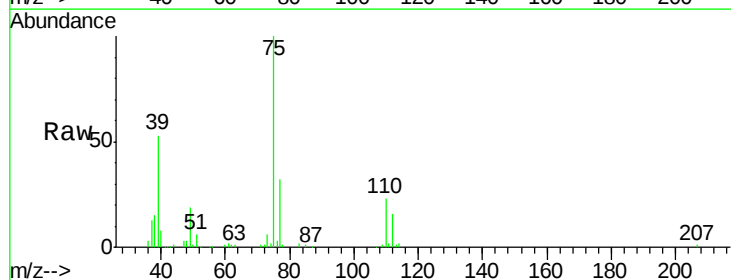
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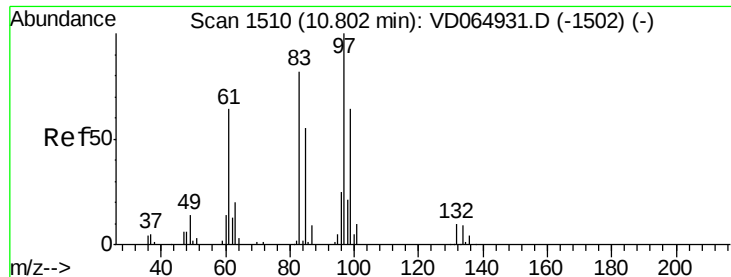
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#54
 cis-1,3-Dichloropropene
 Concen: 20.413 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	52.6	43.0	64.6





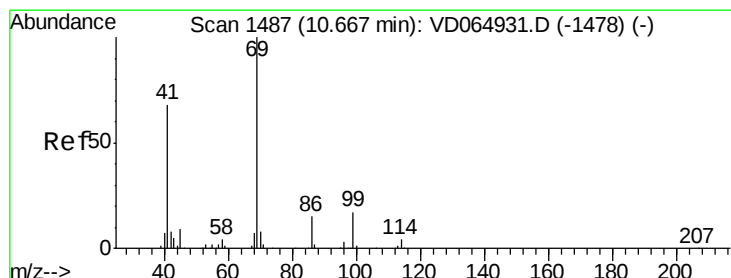
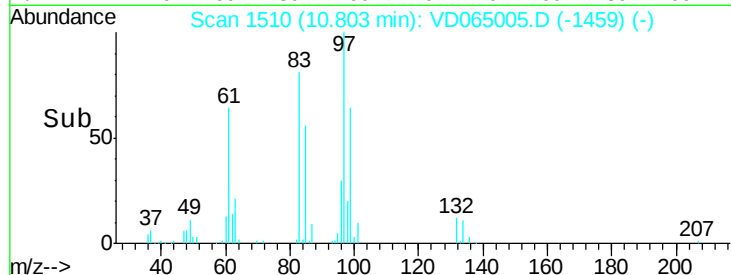
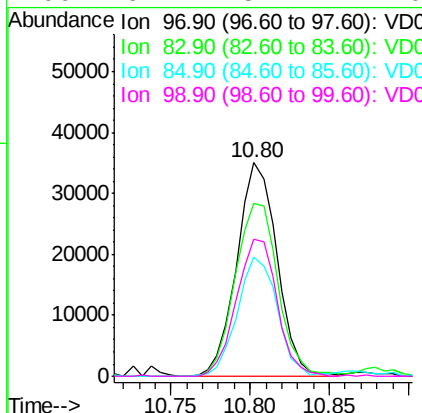
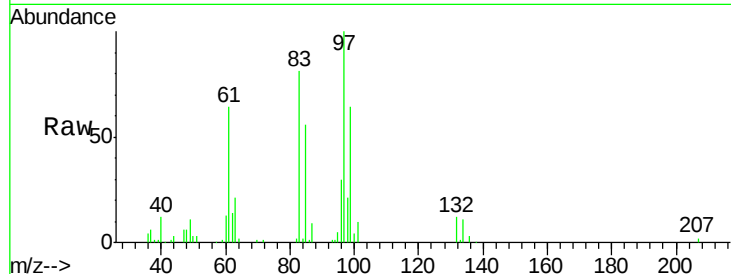
#55
 1,1,2-Trichloroethane
 Concen: 19.507 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion:	97	Resp:	62092
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.0	99.0
85	55.5	44.4	66.6
99	64.4	51.4	77.0

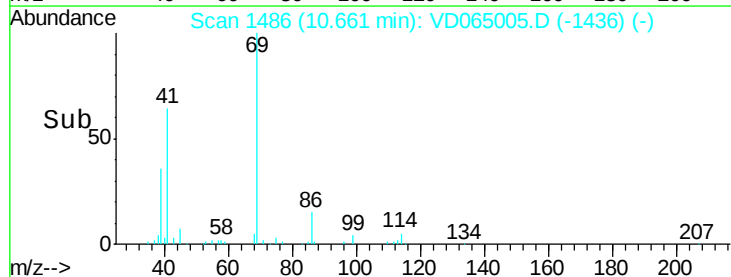
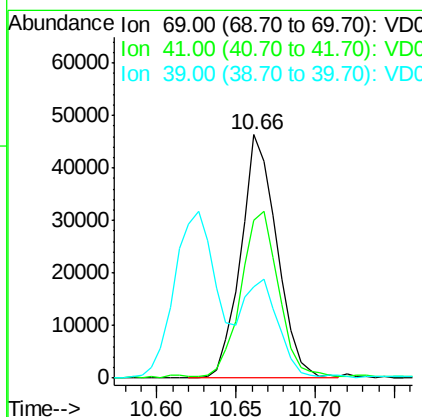
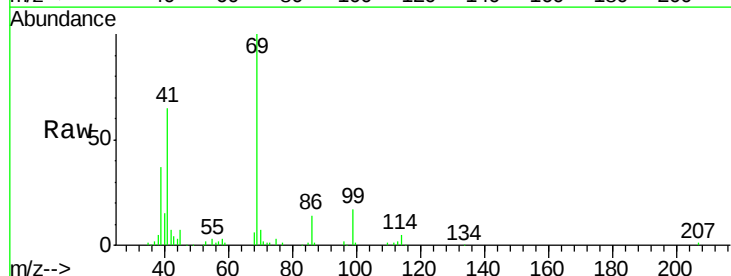
Manual Integrations
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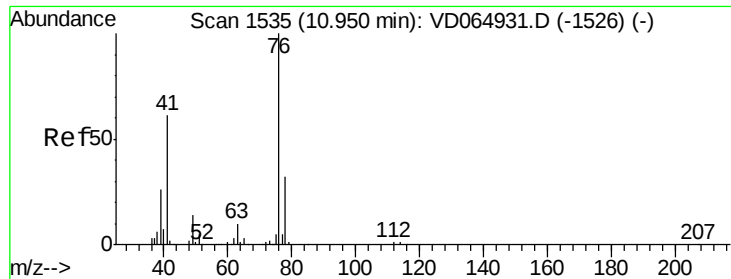
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 1/31/2020 4:25:38 PM



#56
 Ethyl methacrylate
 Concen: 19.284 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion:	69	Resp:	73402
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.4	84.6
39	38.7	30.6	46.0





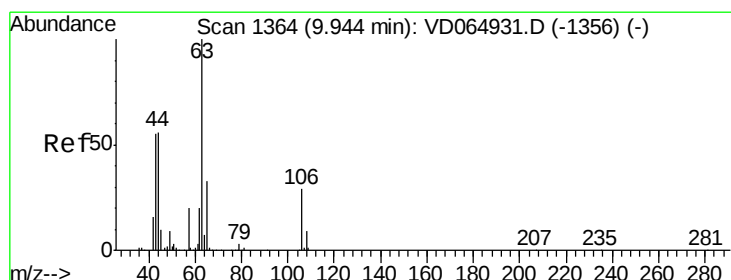
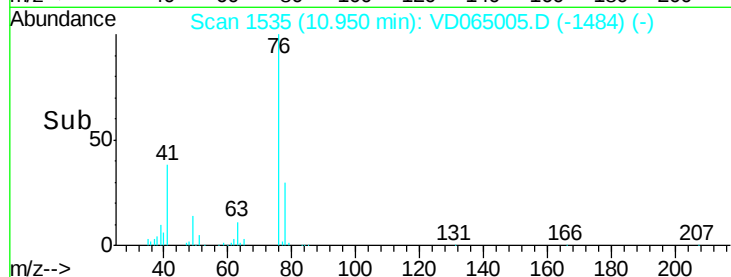
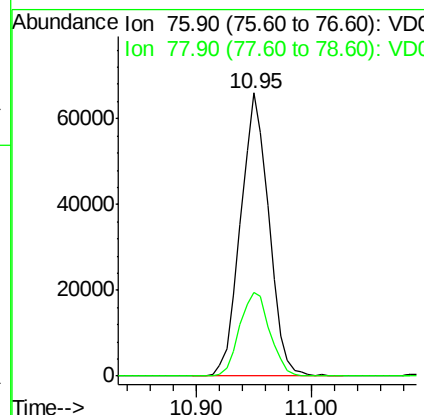
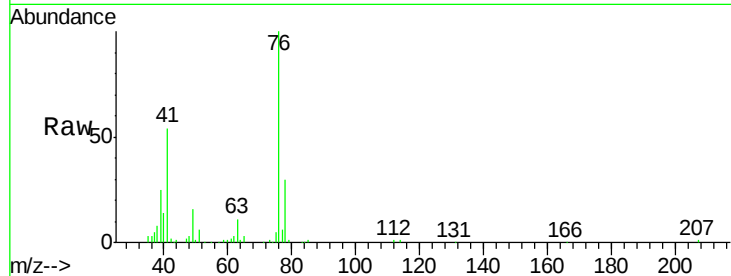
#57
 1,3-Dichloropropane
 Concen: 20.561 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.7	38.5

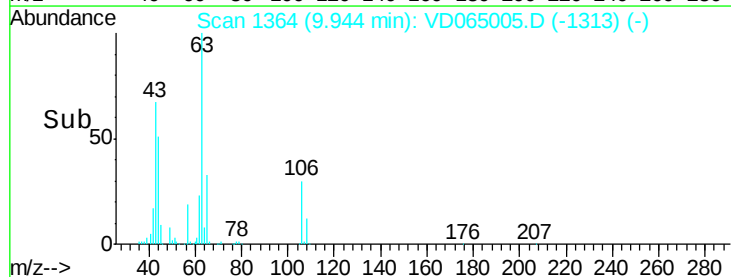
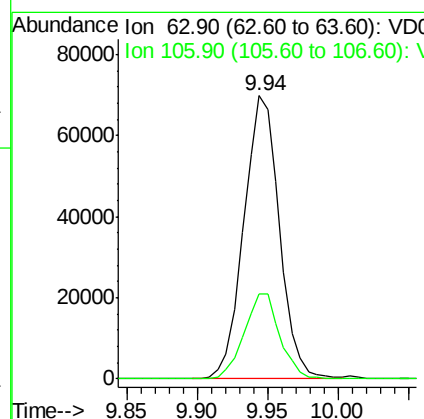
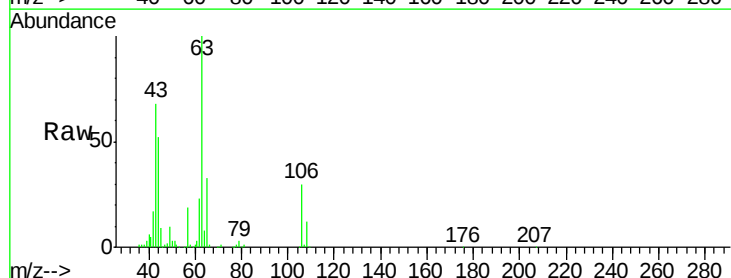
Manual Integrations
 APPROVED

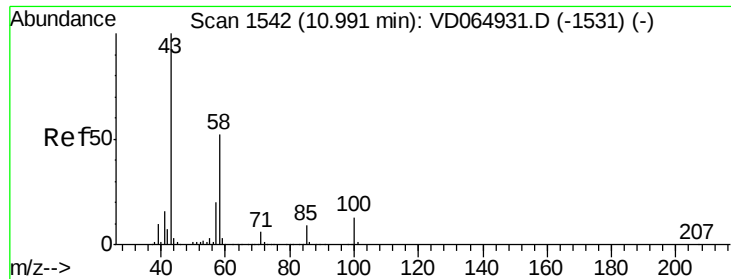
MMDadoda
 1/31/2020 4:25:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.689 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.0	34.4





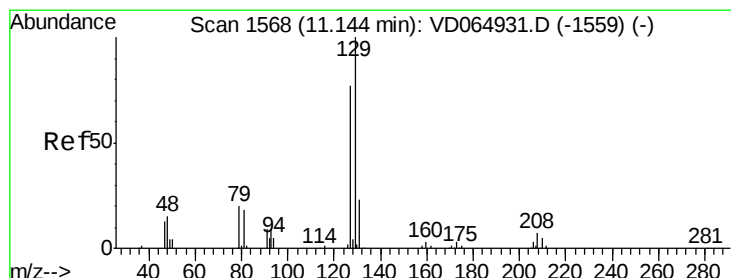
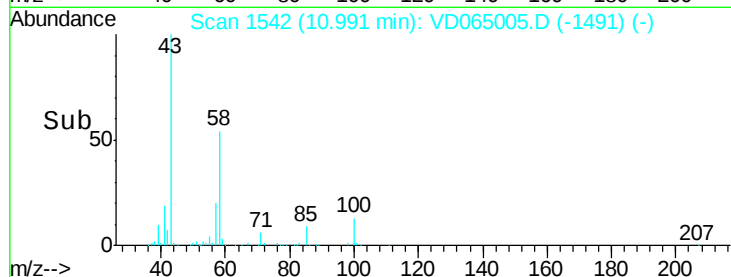
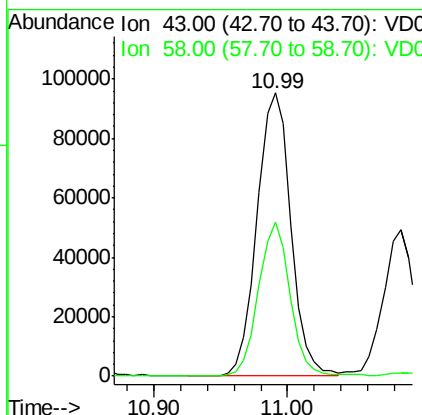
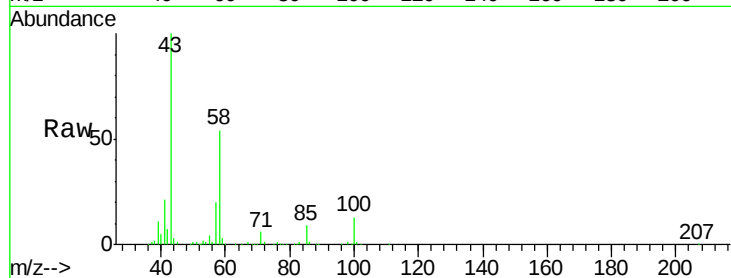
#59
2-Hexanone
Concen: 95.203 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 43 Resp: 167134
Ion Ratio Lower Upper
43 100
58 51.0 26.5 79.4

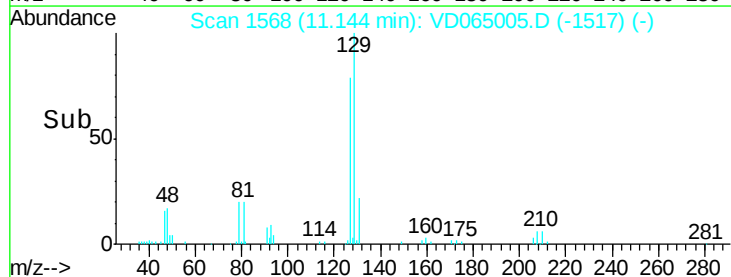
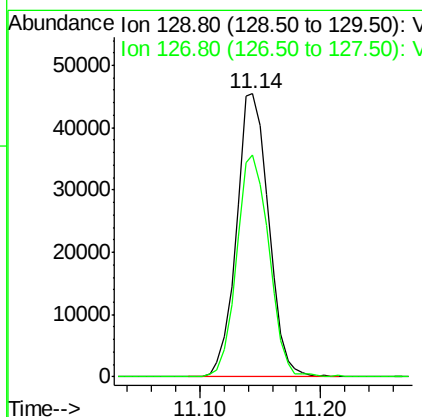
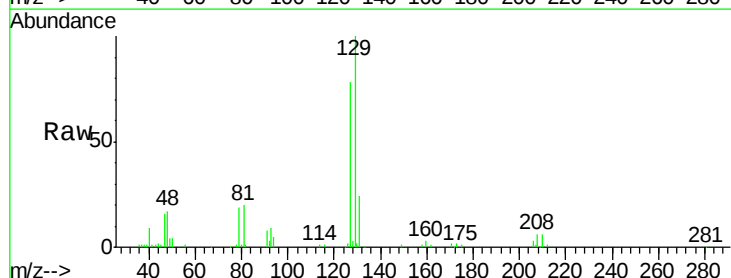
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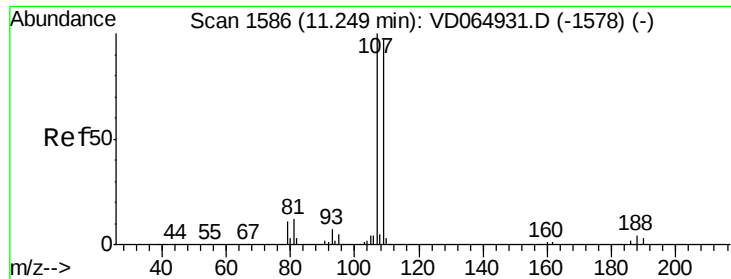
MMDadoda
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#60
Dibromochloromethane
Concen: 19.869 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 129 Resp: 84533
Ion Ratio Lower Upper
129 100
127 78.7 38.2 114.6





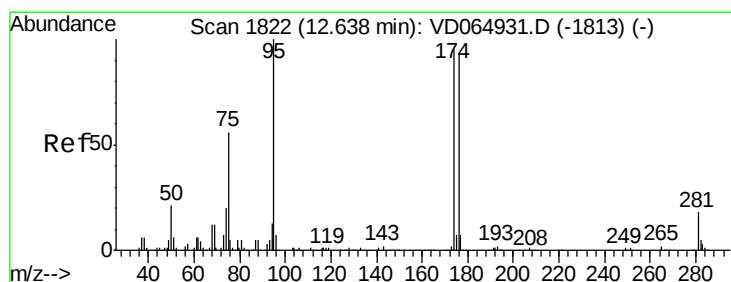
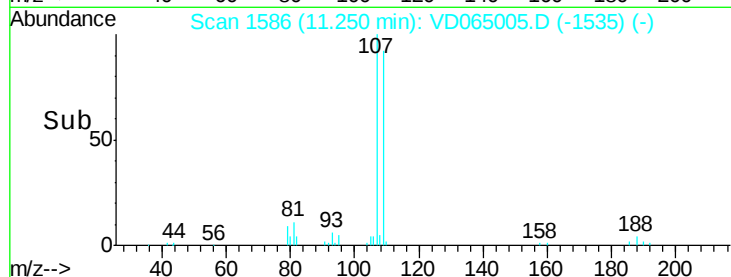
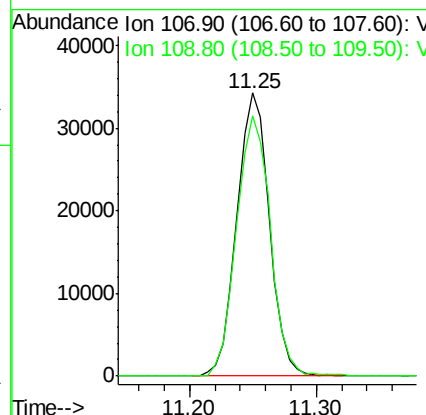
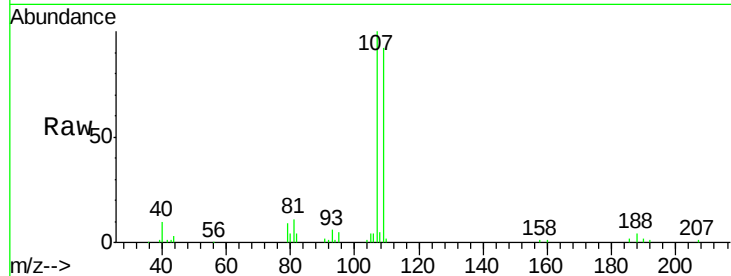
#61
 1,2-Dibromoethane
 Concen: 19.811 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion: 107 Resp: 60722
 Ion Ratio Lower Upper
 107 100
 109 95.8 77.1 115.7

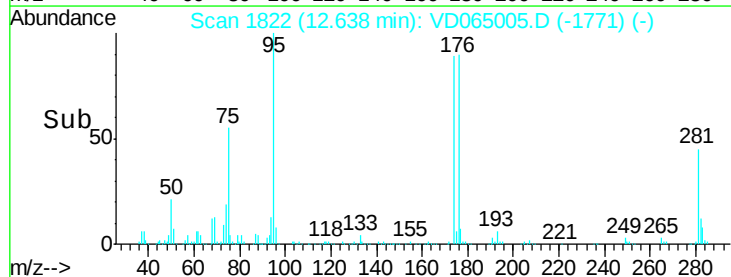
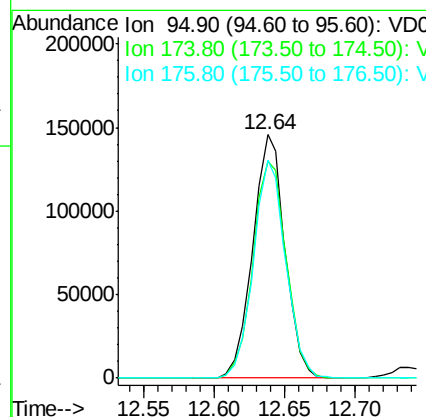
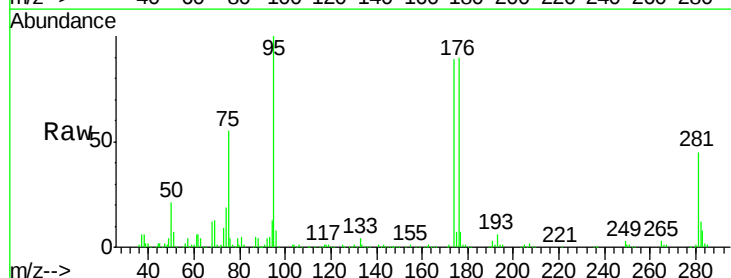
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 46.750 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 95 Resp: 233285
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.8
 176 89.9 0.0 183.4





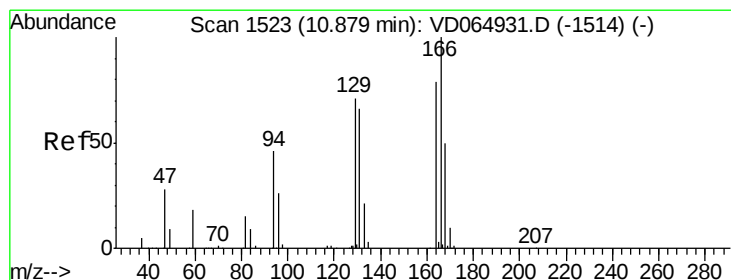
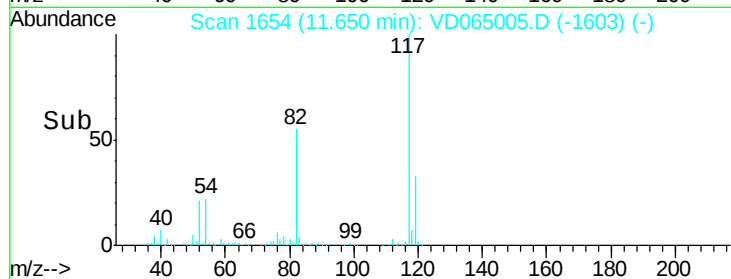
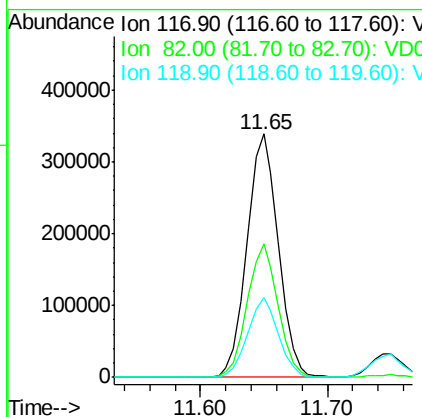
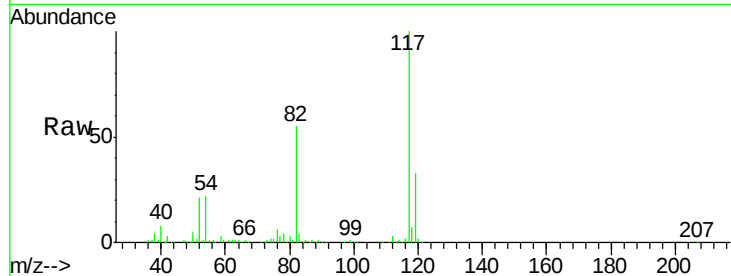
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	581945		
82	54.6		43.6	65.4
119	33.0		25.2	37.8

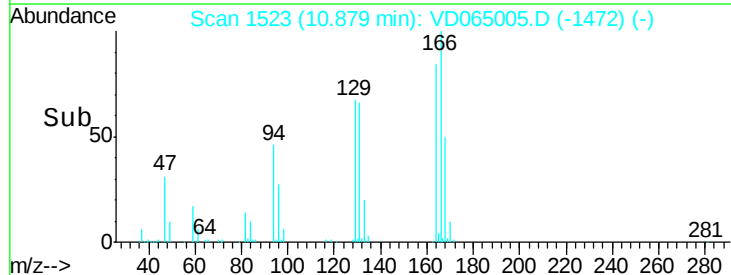
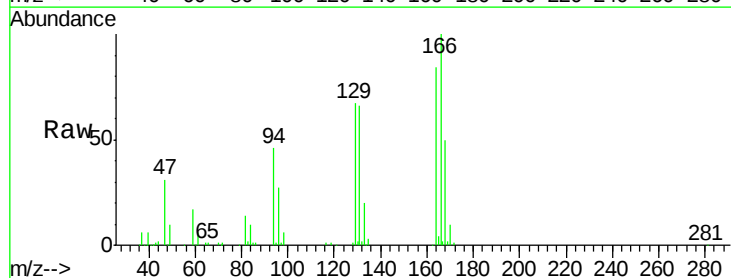
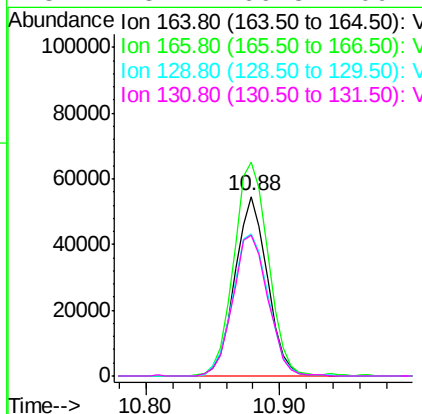
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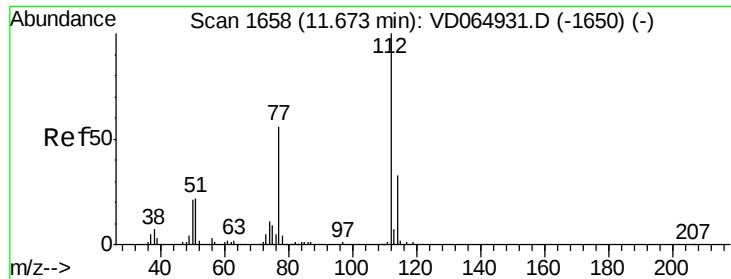
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#64
Tetrachloroethene
Concen: 21.896 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92081		
166	119.0		101.4	152.2
129	79.5		71.8	107.8
131	78.2		66.8	100.2





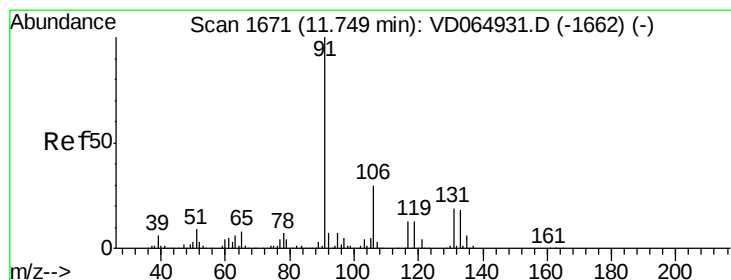
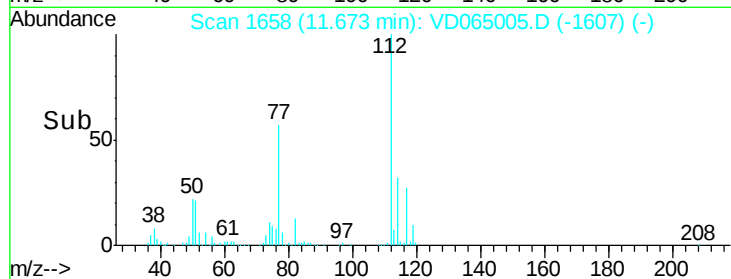
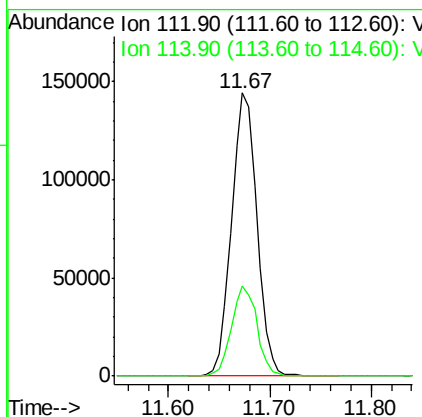
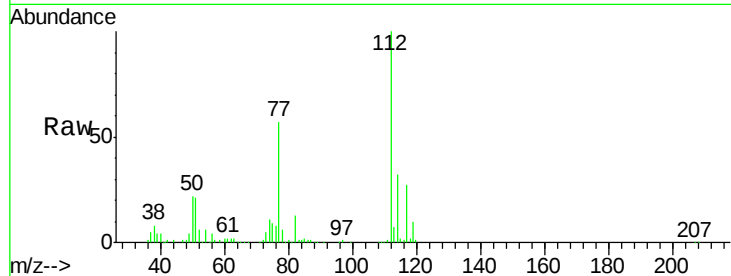
#65
Chlorobenzene
Concen: 21.315 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.4

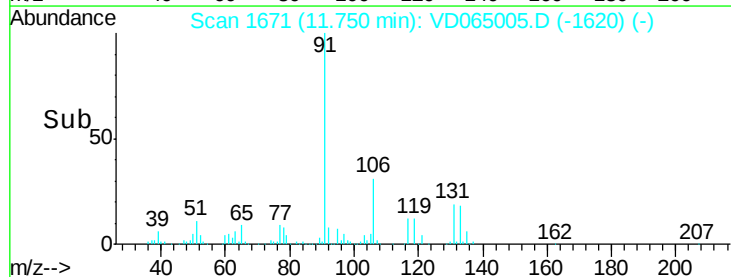
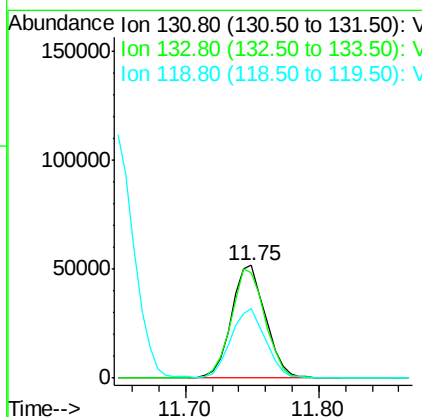
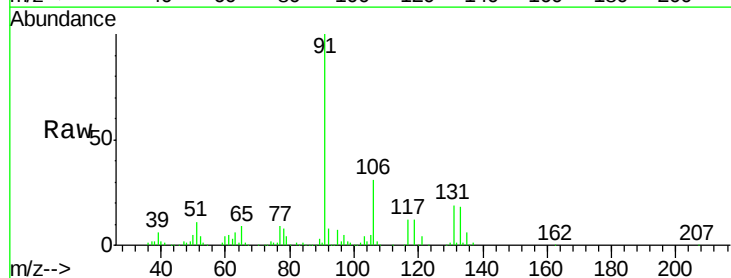
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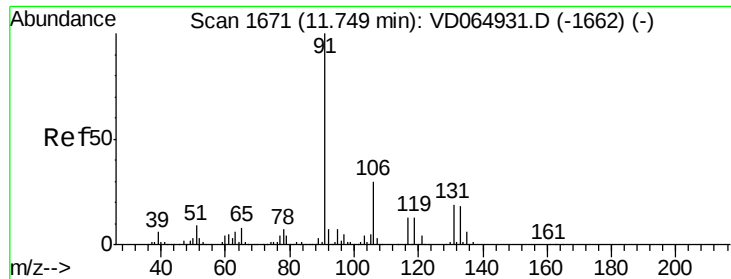
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.5
119	63.2	31.1	93.5





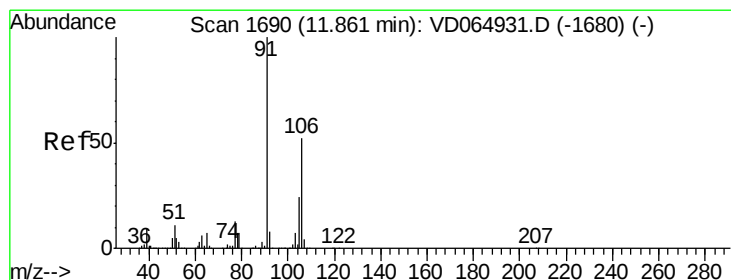
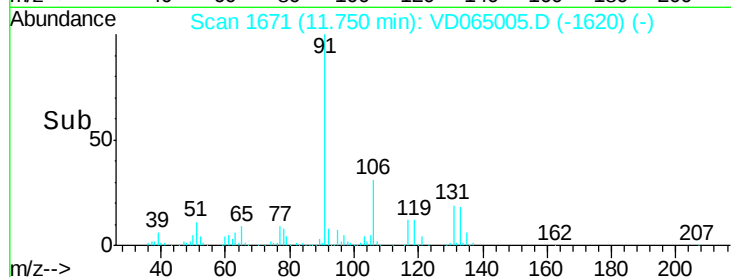
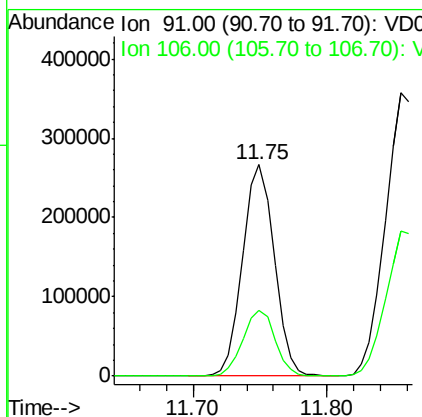
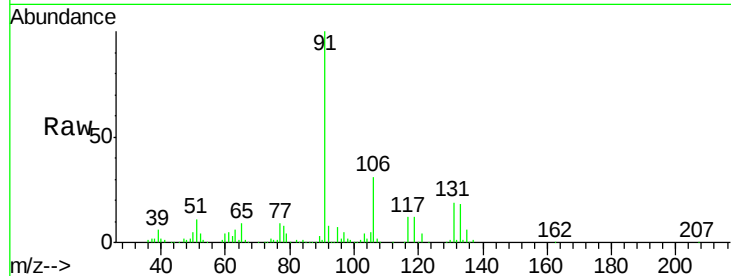
#67
Ethyl Benzene
Concen: 20.972 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 91 Resp: 439932
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5

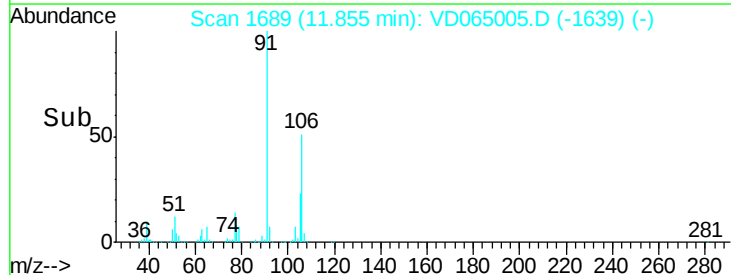
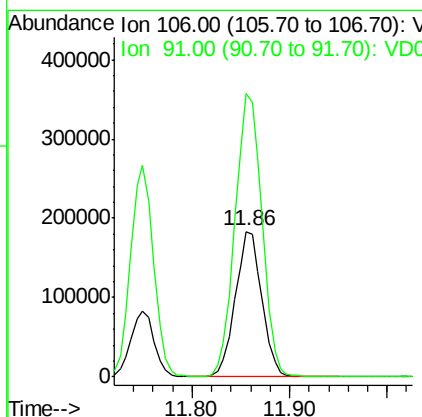
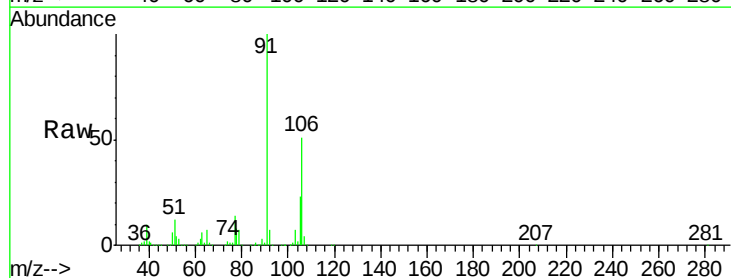
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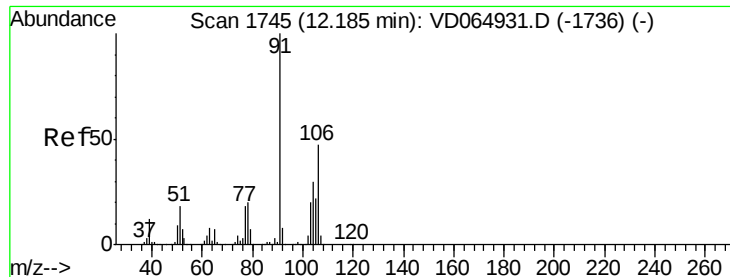
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#68
m/p-Xylenes
Concen: 42.333 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 106 Resp: 341907
Ion Ratio Lower Upper
106 100
91 199.9 159.0 238.4





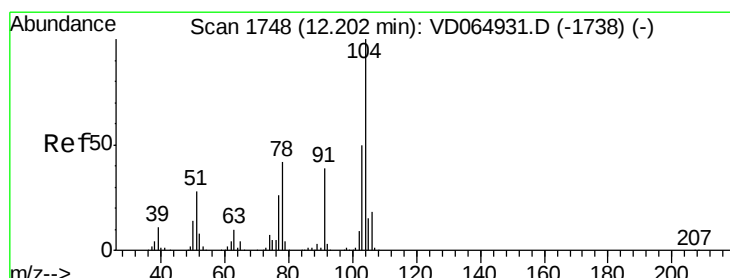
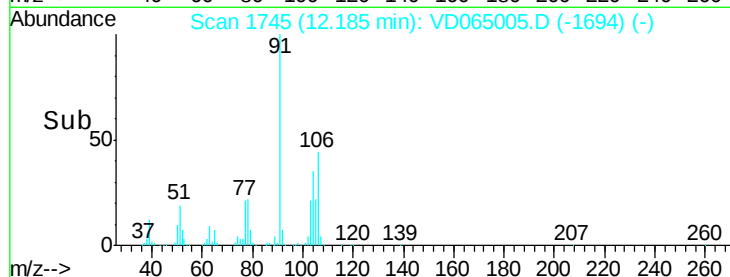
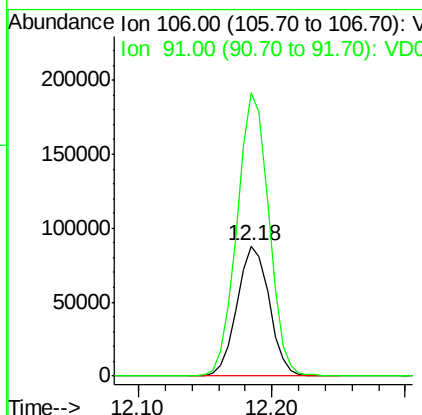
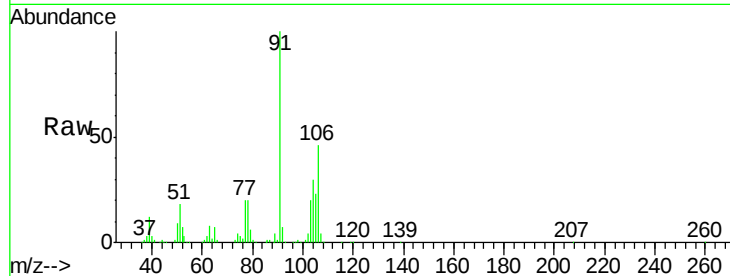
#69
o-Xylene
Concen: 20.486 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:106 Resp: 146840
Ion Ratio Lower Upper
106 100
91 215.6 106.7 319.9

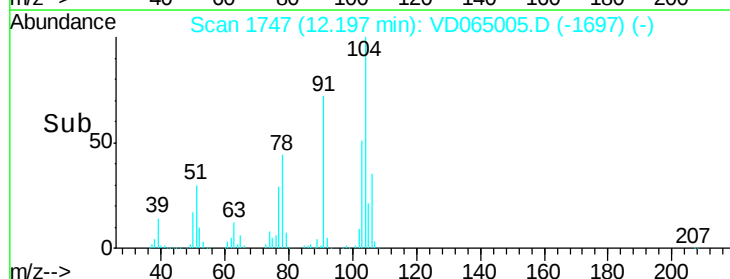
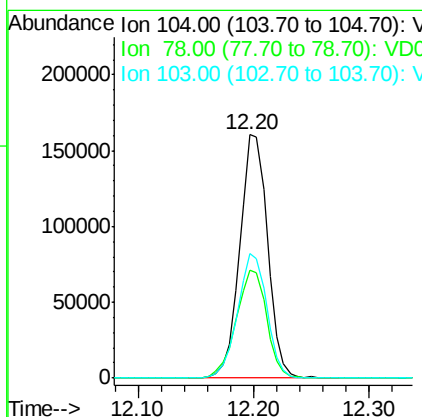
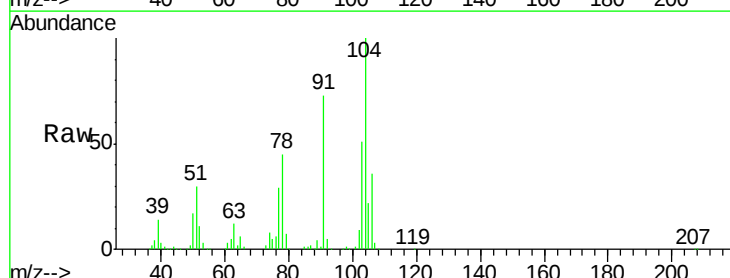
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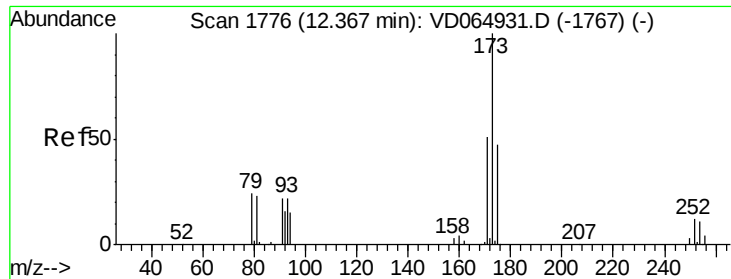
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#70
Styrene
Concen: 21.029 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:104 Resp: 268518
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 53.9 43.5 65.3





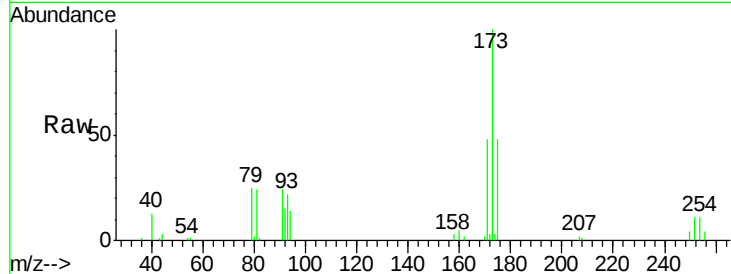
#71
Bromoform
Concen: 19.574 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

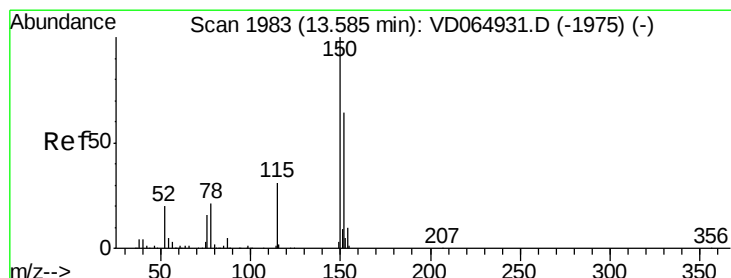
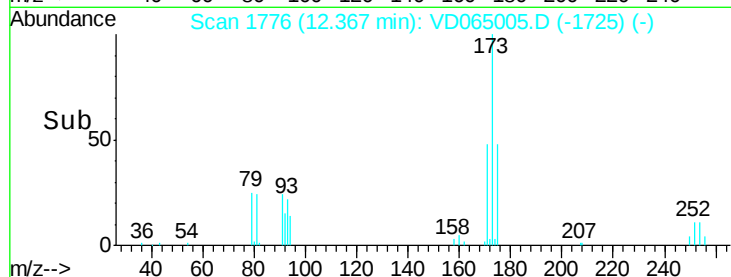
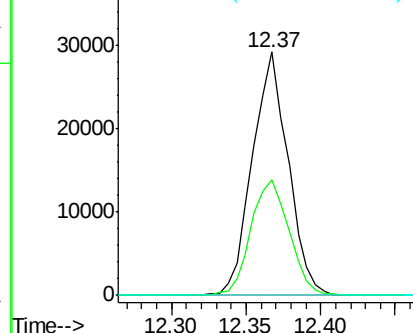
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.6	73.8
254	0.0	0.1	0.1#

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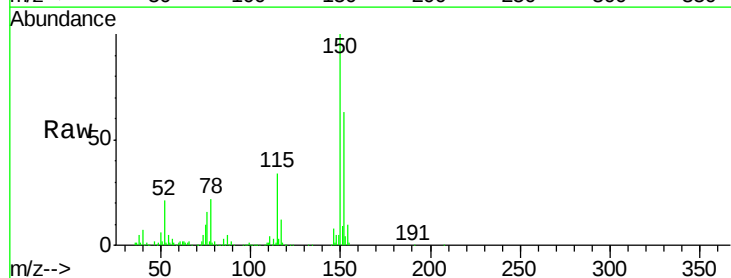


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

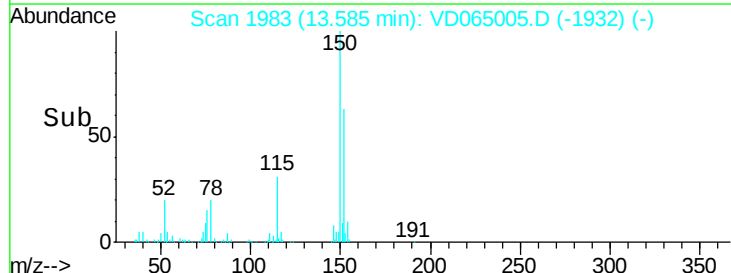
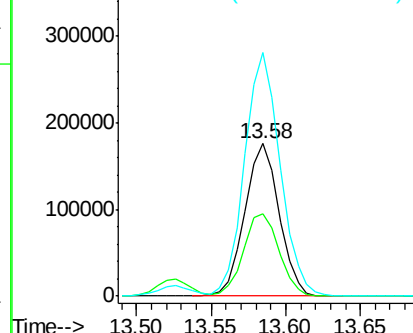


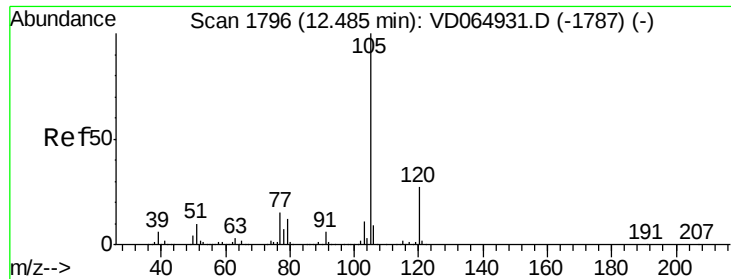
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.4
150	165.3	0.0	350.4



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





#73

Isopropylbenzene

Concen: 21.760 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 105 Resp: 416091

Ion Ratio Lower Upper

105 100

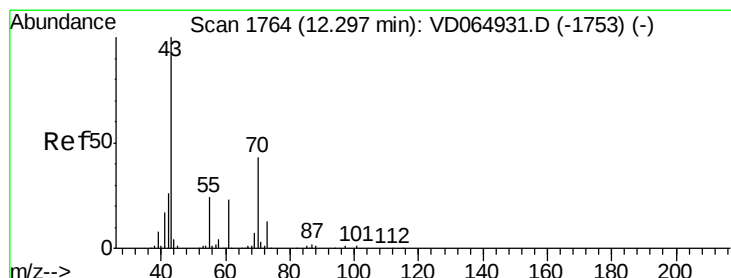
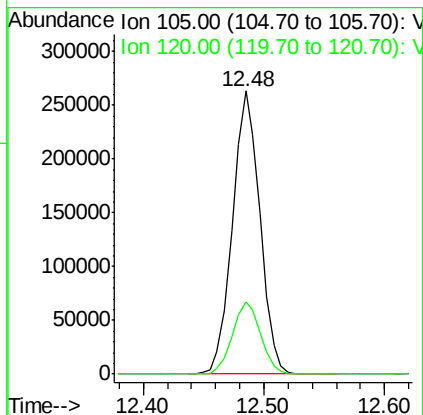
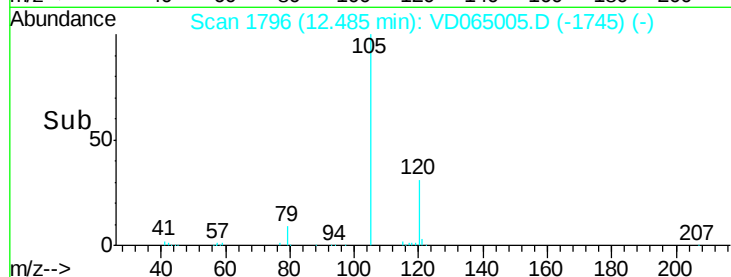
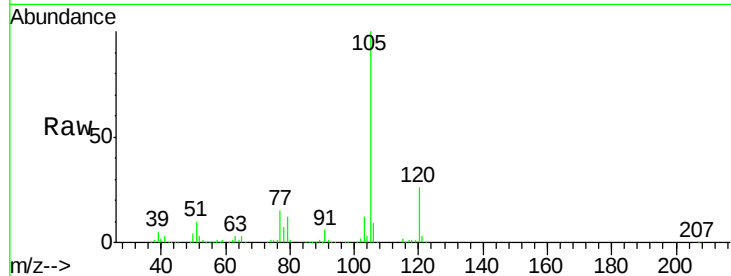
120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.871 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion: 43 Resp: 85024

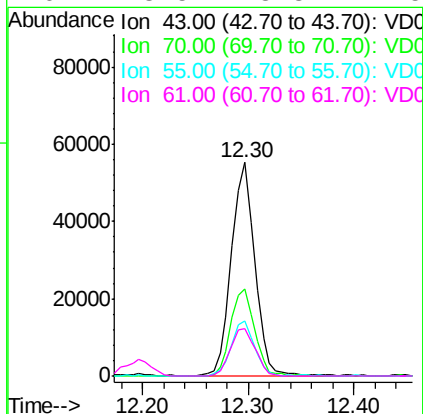
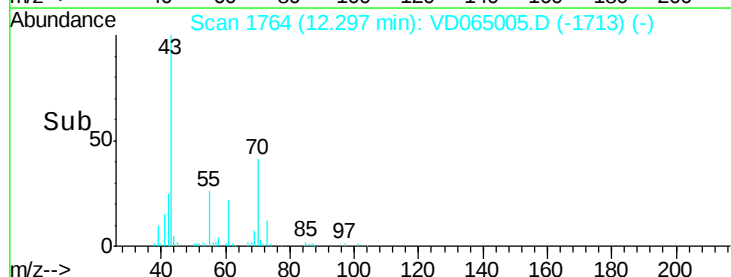
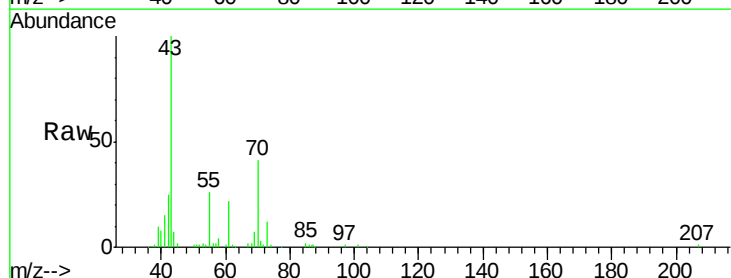
Ion Ratio Lower Upper

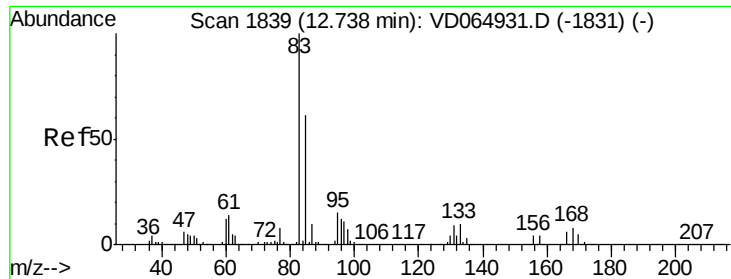
43 100

70 41.3 32.6 49.0

55 25.5 19.9 29.9

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.032 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

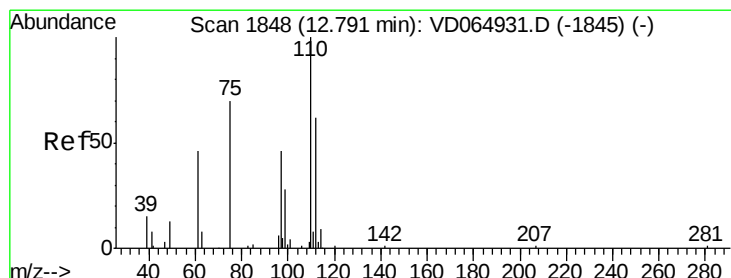
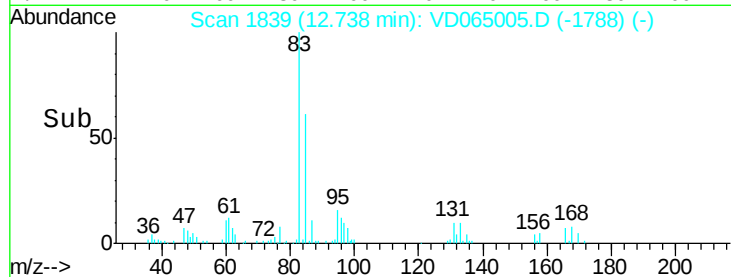
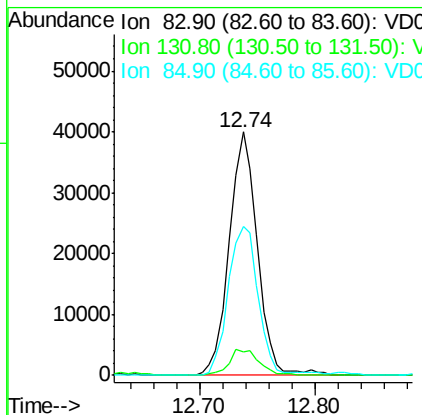
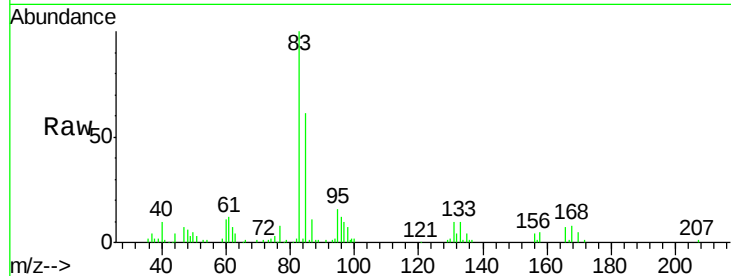
ClientSampleId :

VD0130SBS01

Tot Ion:	83	Resp:	67593
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	64.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 21.992 ug/l m

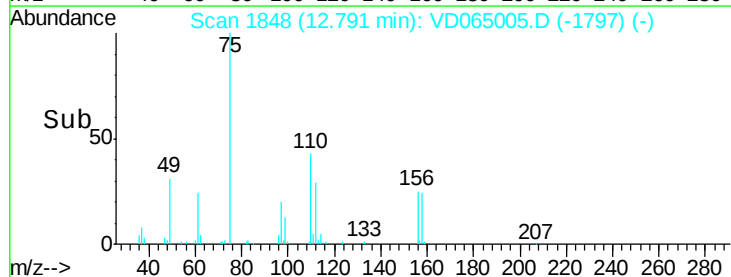
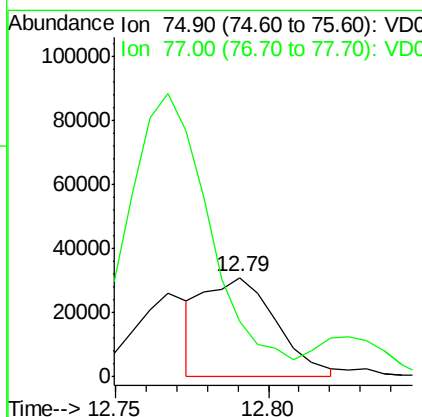
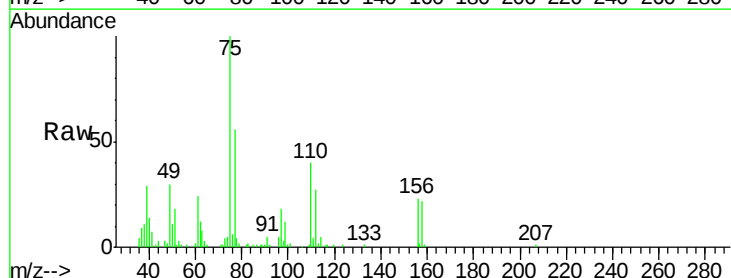
RT: 12.79 min Scan# 1848

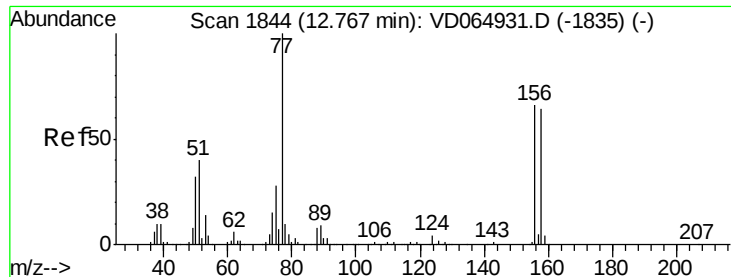
Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	75	Resp:	51069
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.296 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

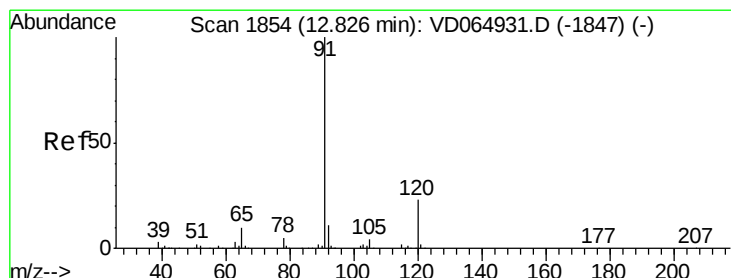
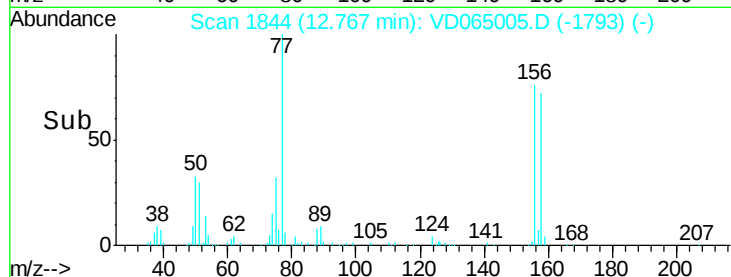
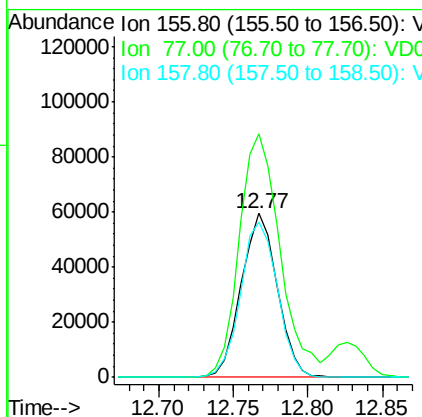
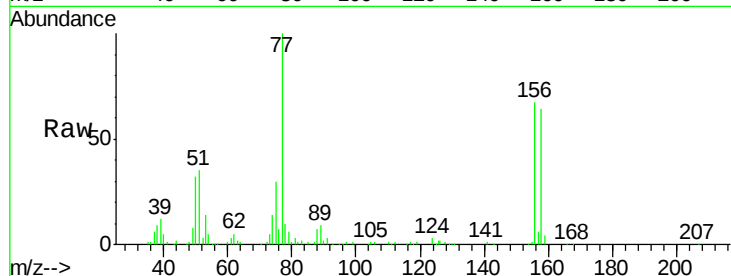
ClientSampleId :

VD0130SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.5	84.2	252.5
158	97.3	48.1	144.4

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#78

n-propylbenzene

Concen: 22.126 ug/l

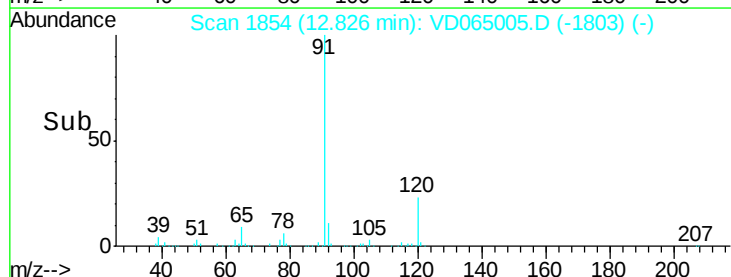
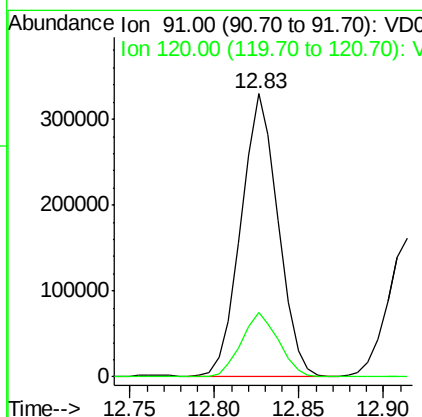
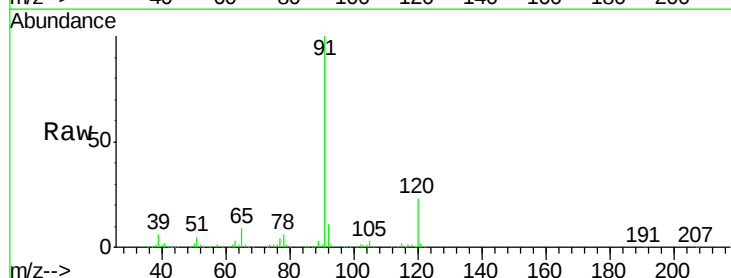
RT: 12.83 min Scan# 1854

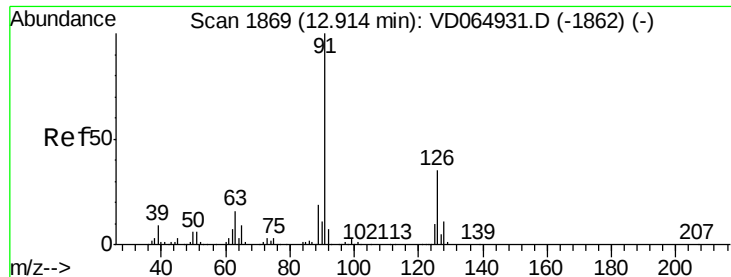
Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.851 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 91 Resp: 272591

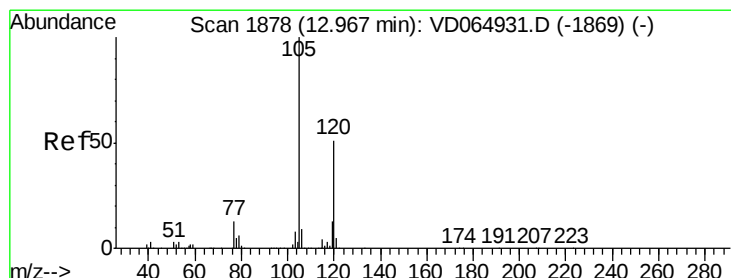
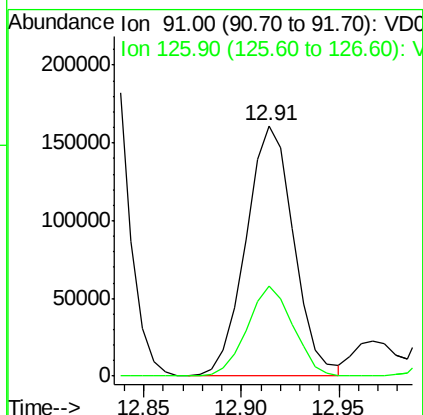
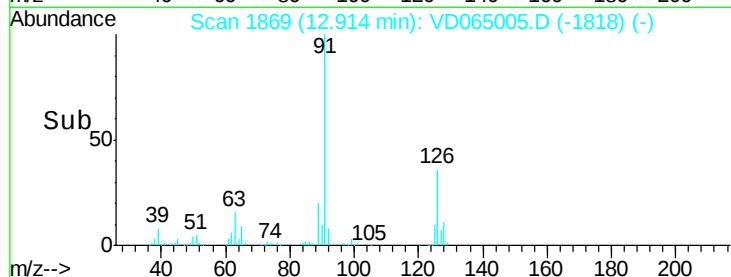
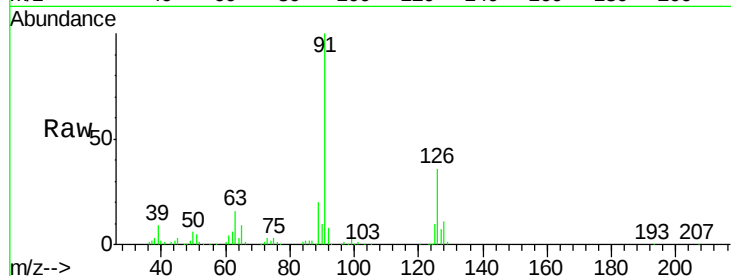
Ion Ratio Lower Upper

91 100

126 34.7 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.917 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065005.D

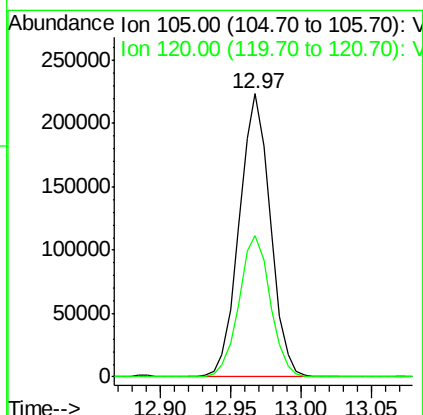
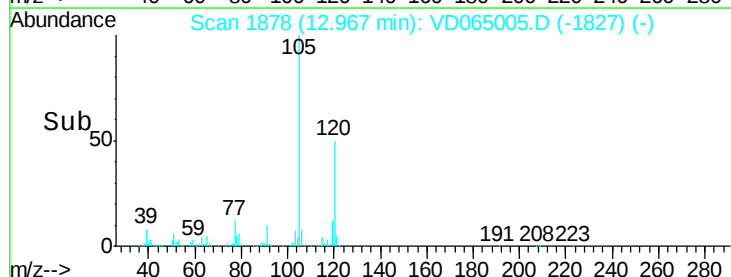
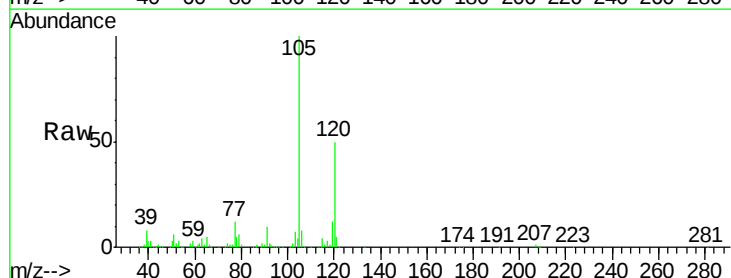
Acq: 30 Jan 2020 11:27

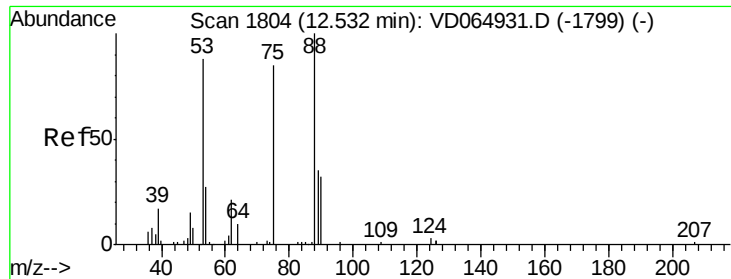
Tgt Ion: 105 Resp: 343449

Ion Ratio Lower Upper

105 100

120 50.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.278 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

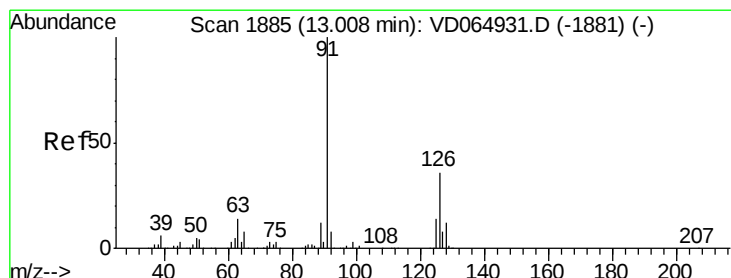
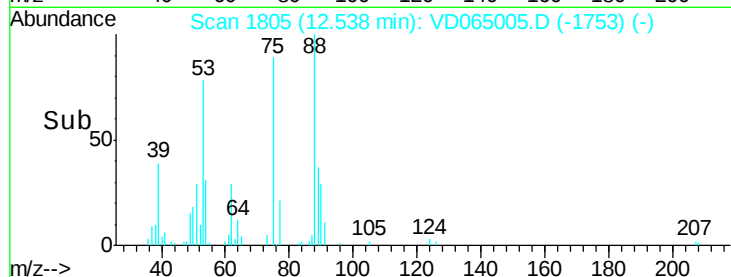
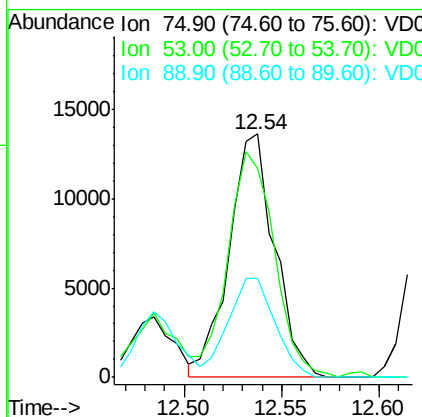
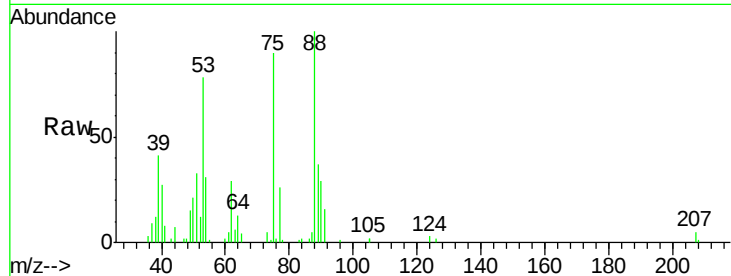
ClientSampleId :

VD0130SBS01

Tot Ion:	75	Resp:	22053
Ion	Ratio	Lower	Upper
75	100		
53	93.9	81.0	121.4
89	42.2	36.2	54.4

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#82

4-Chlorotoluene

Concen: 21.685 ug/l

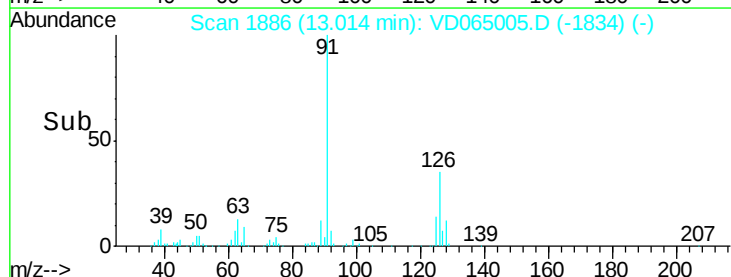
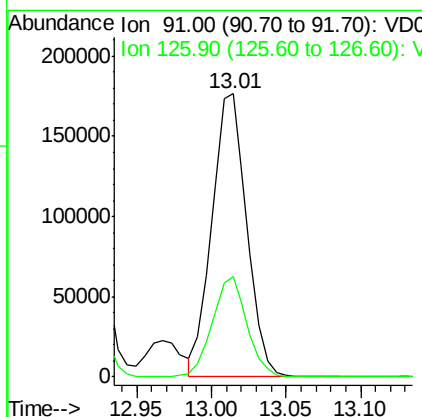
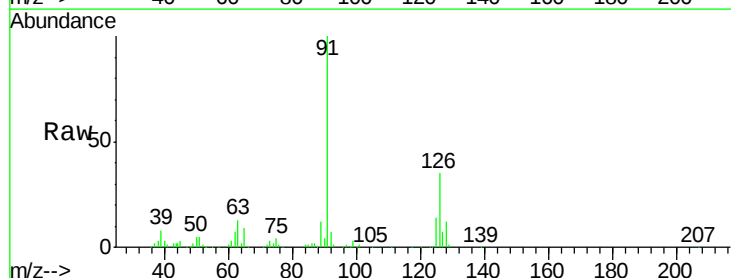
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion:	91	Resp:	286896
Ion	Ratio	Lower	Upper
91	100		
126	35.1	18.0	54.0





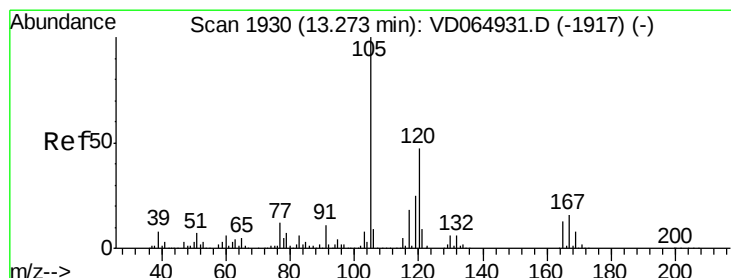
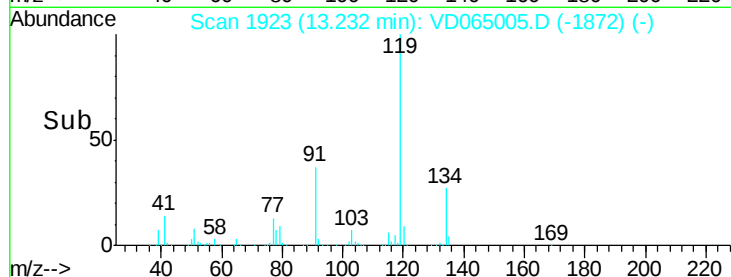
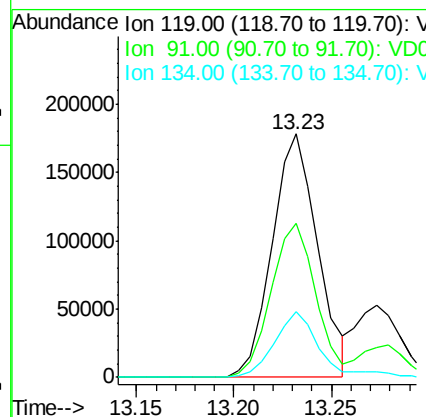
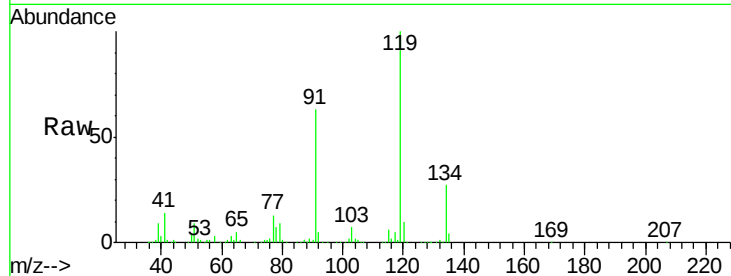
#83
tert-Butylbenzene
Concen: 21.592 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	287136		
91	62.2		32.0	96.0
134	27.1		13.9	41.6

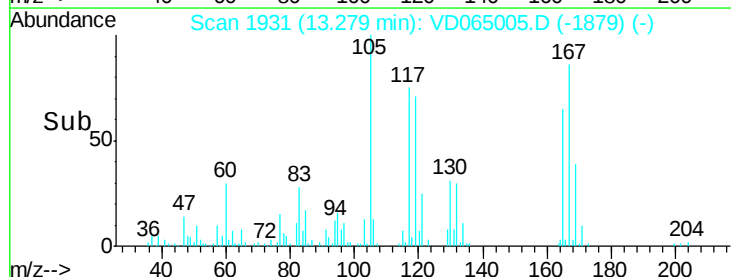
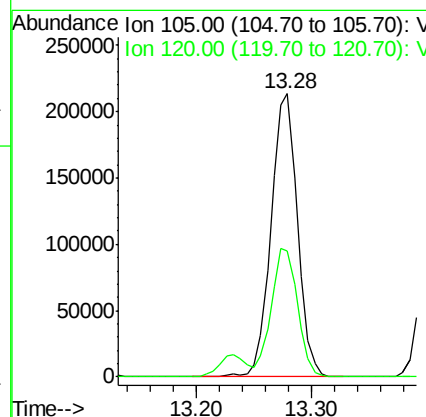
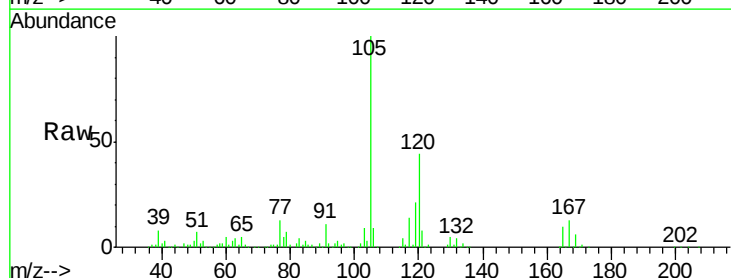
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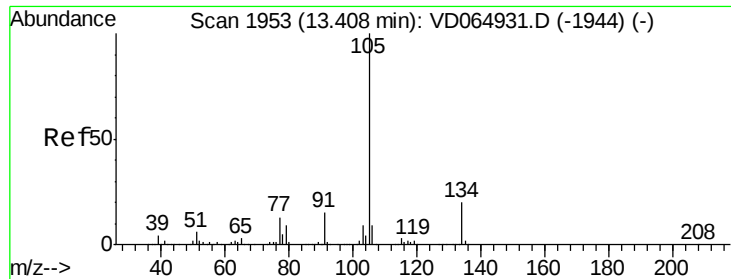
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#84
1,2,4-Trimethylbenzene
Concen: 21.483 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	341036		
120	45.1		23.1	69.3





#85

sec-Butylbenzene

Concen: 21.510 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:105 Resp: 405018

Ion Ratio Lower Upper

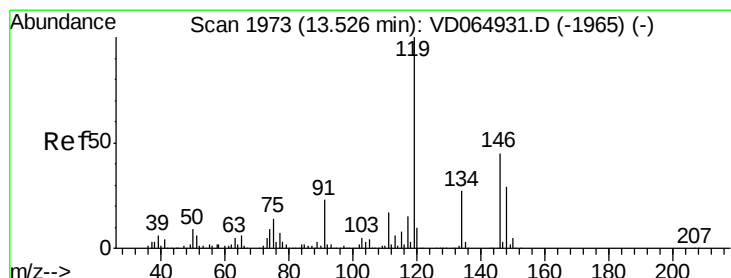
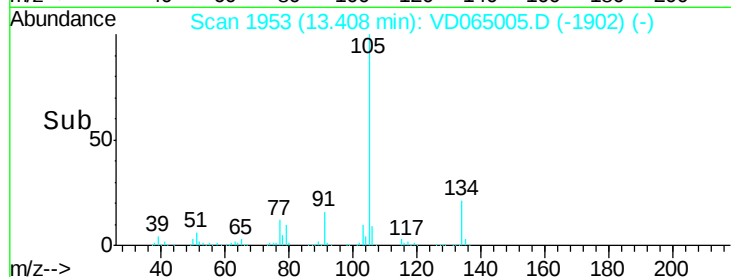
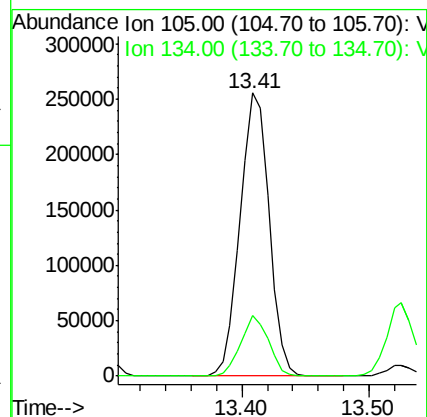
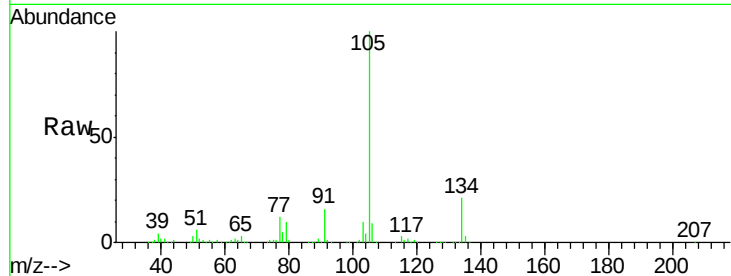
105 100

134 20.5 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.439 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

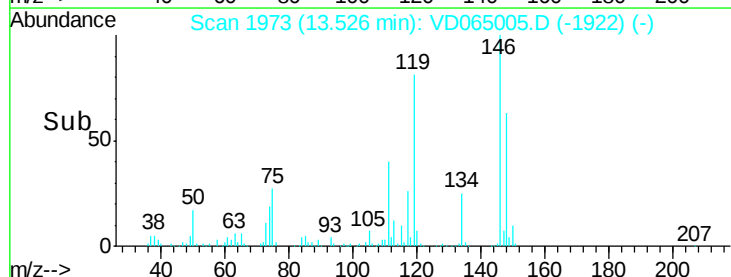
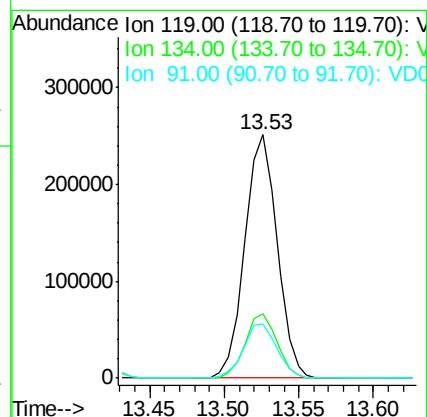
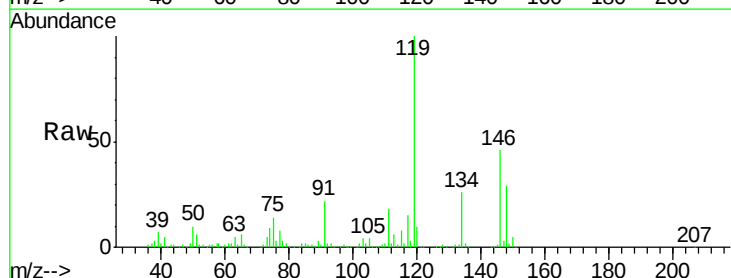
Tgt Ion:119 Resp: 377749

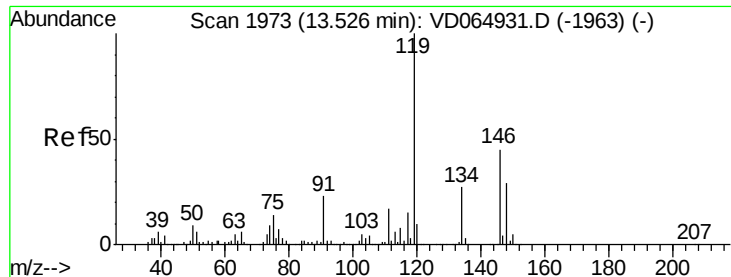
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.7 11.4 34.2





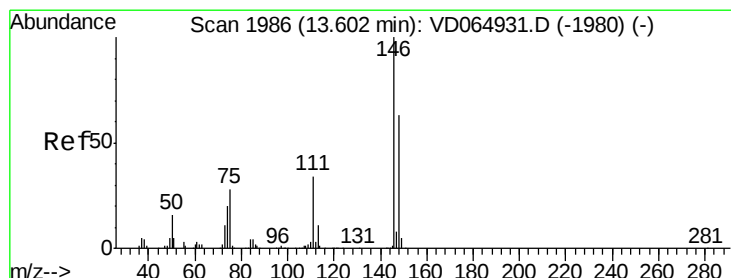
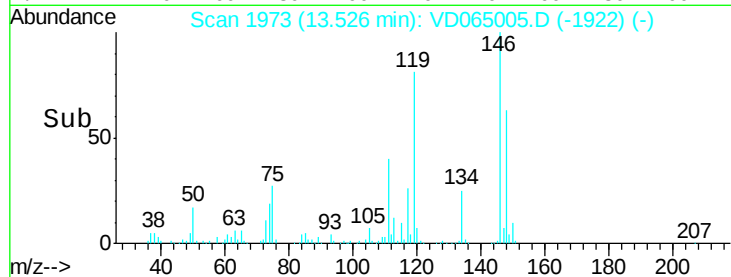
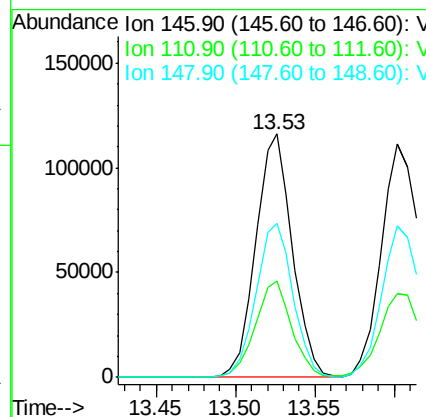
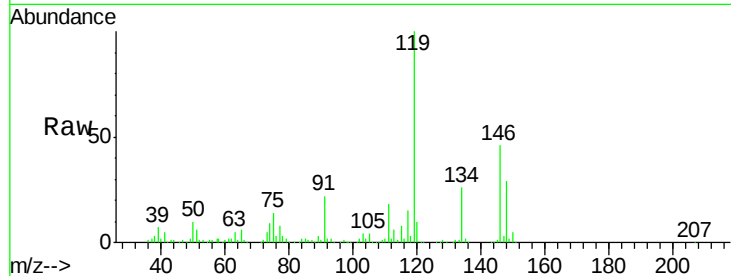
#87
 1,3-Dichlorobenzene
 Concen: 20.713 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185939		
111	39.6	18.9	56.9	
148	64.0	32.6	97.7	

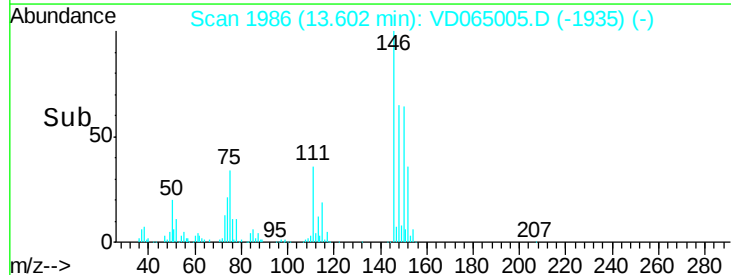
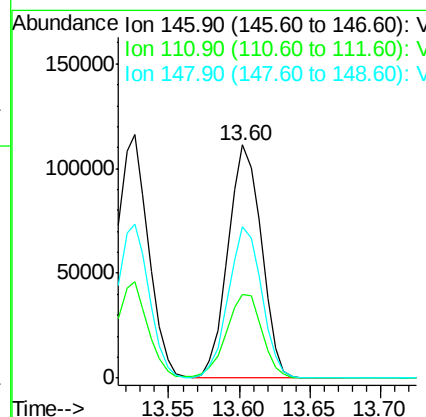
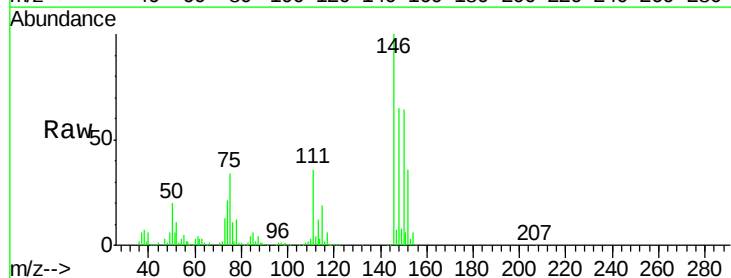
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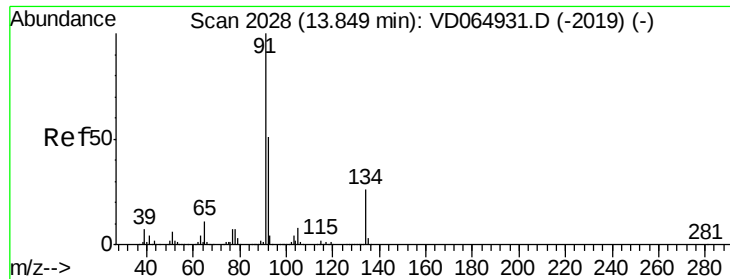
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#88
 1,4-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184147		
111	38.5	18.2	54.6	
148	64.9	32.0	96.0	





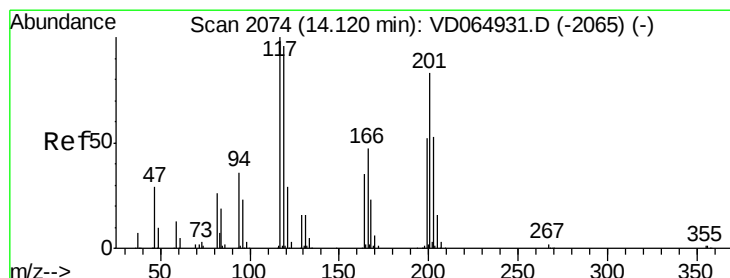
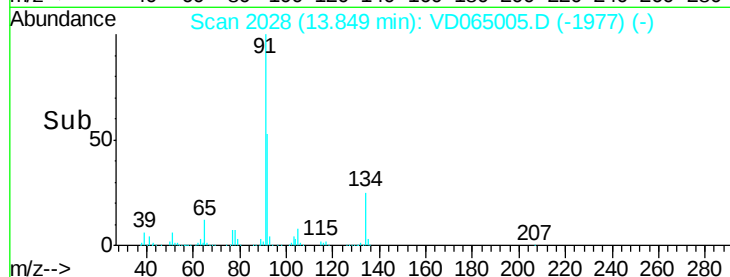
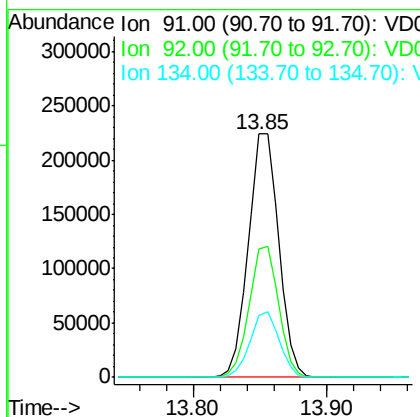
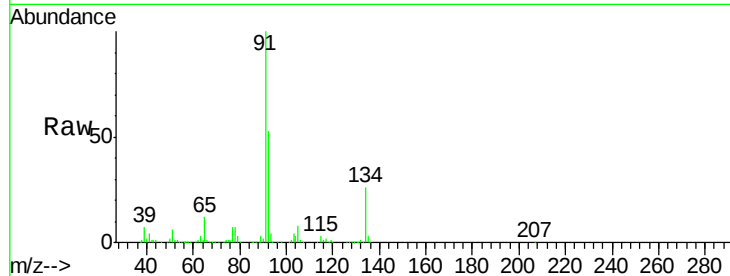
#89
n-Butylbenzene
Concen: 21.824 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.0
134	26.2	13.3	39.9

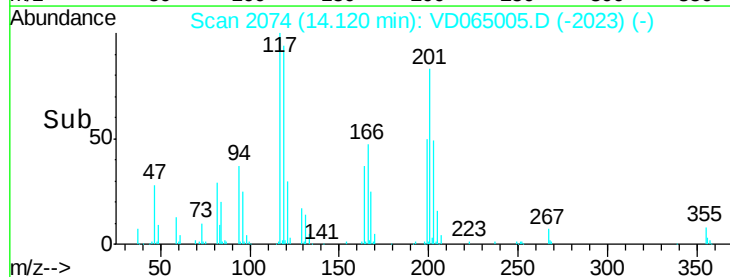
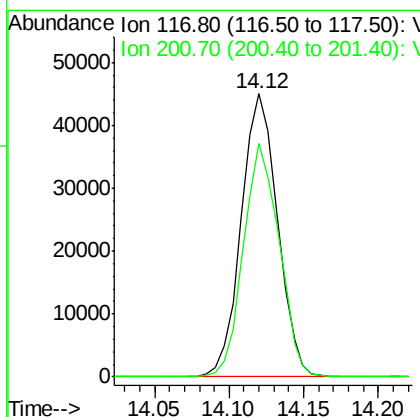
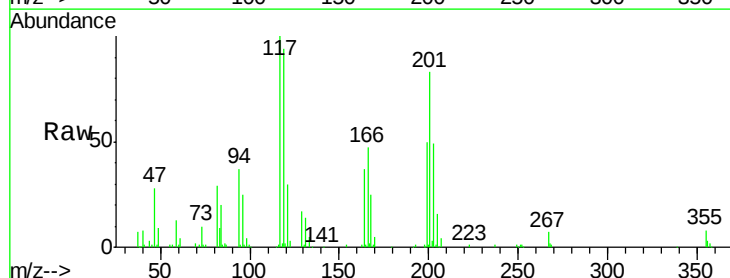
Manual Integrations
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#90
Hexachloroethane
Concen: 22.301 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.1	123.3





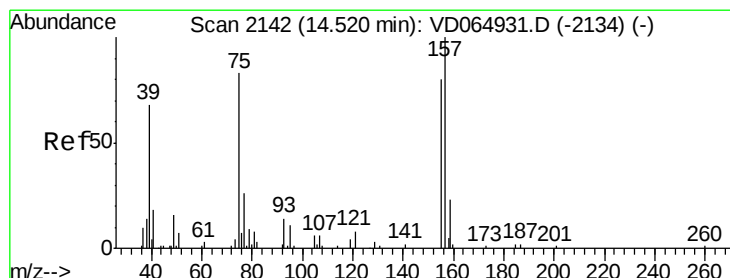
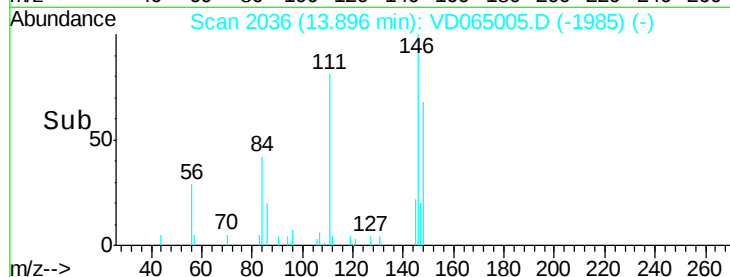
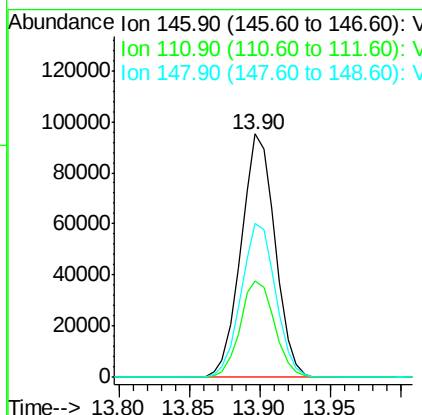
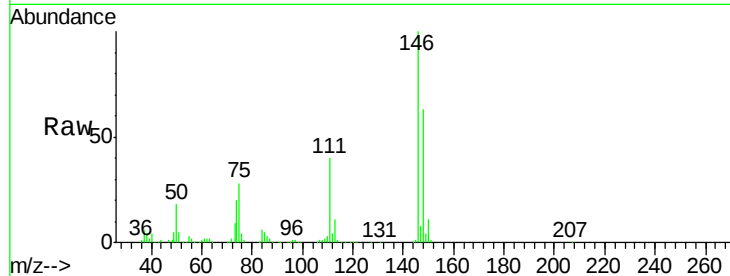
#91
 1,2-Dichlorobenzene
 Concen: 21.059 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.2
148	64.1	31.6	95.0

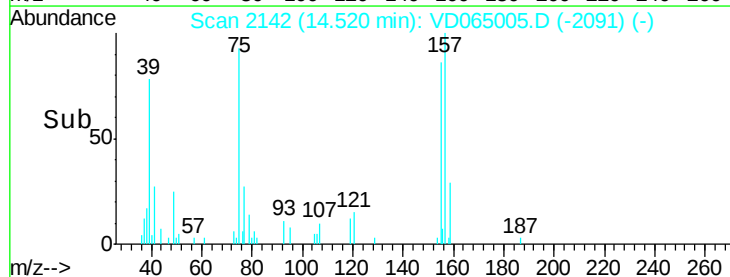
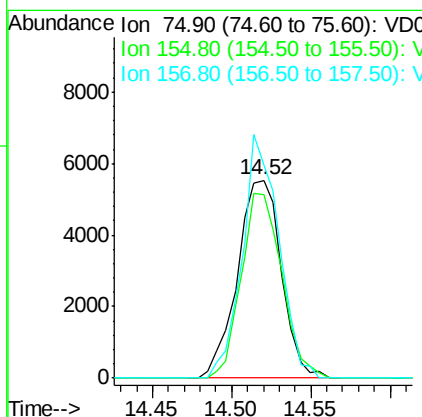
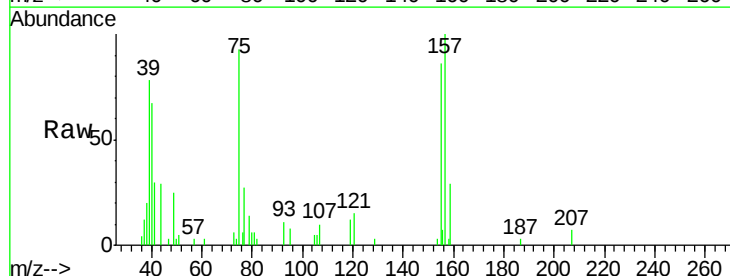
Manual Integrations
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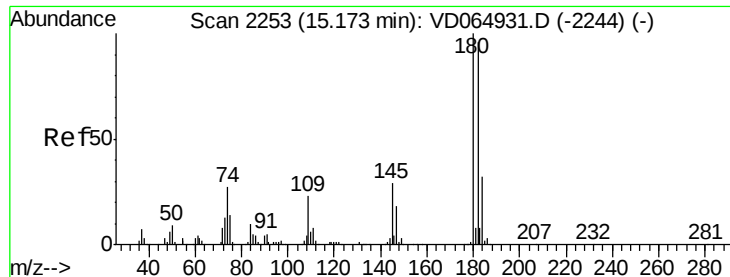
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.707 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	44.9	134.7
157	102.3	58.9	176.6





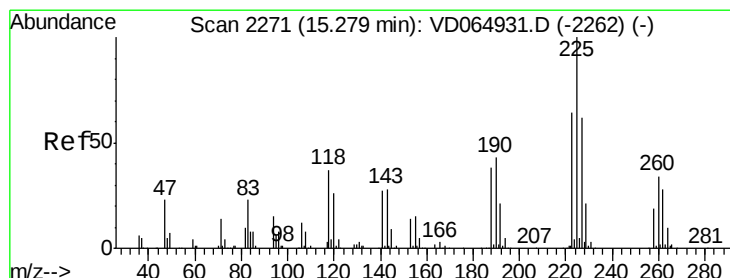
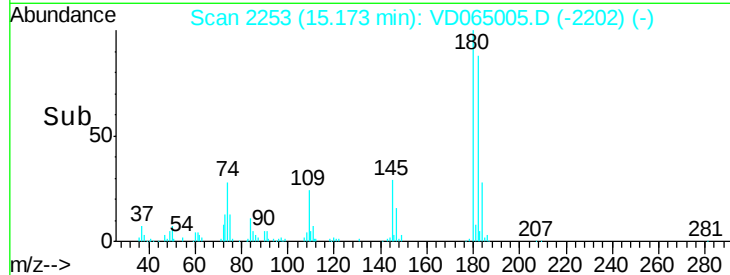
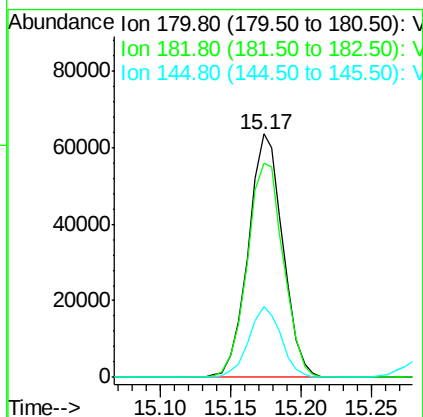
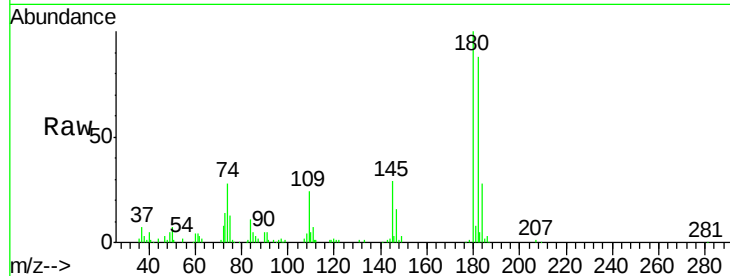
#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	47.1	141.4	
145	27.4	14.1	42.3	

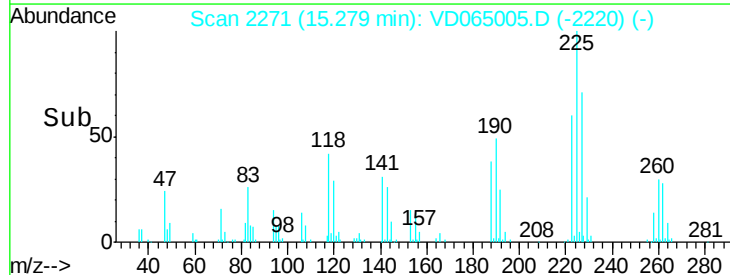
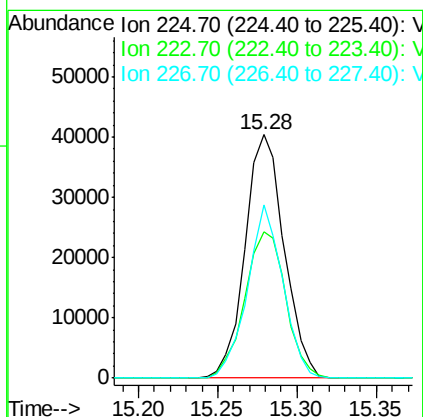
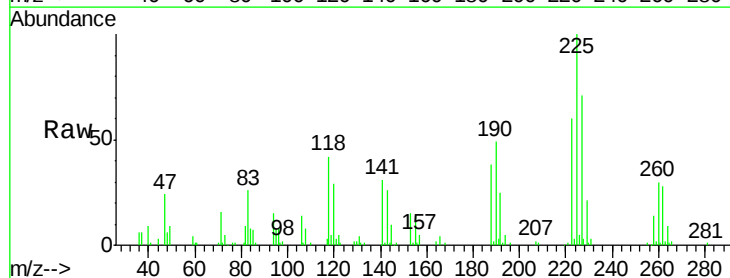
Manual Integrations
 APPROVED

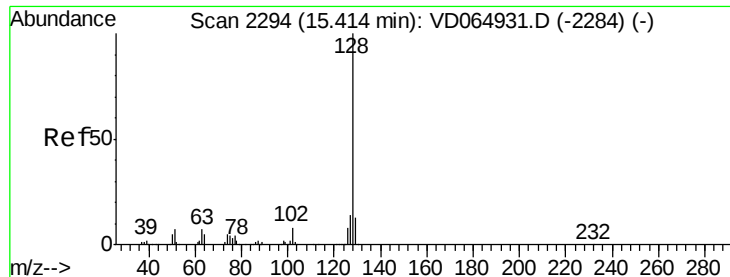
MMDadoda
 1/31/2020 4:25:38 PM



#94
 Hexachlorobutadiene
 Concen: 20.741 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	32.4	97.2	
227	64.4	31.9	95.9	





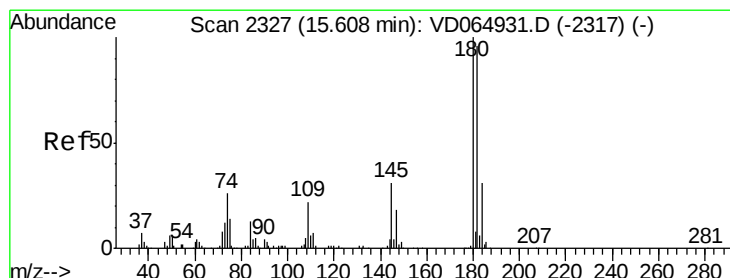
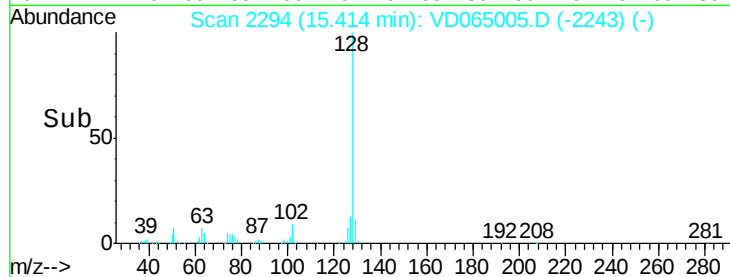
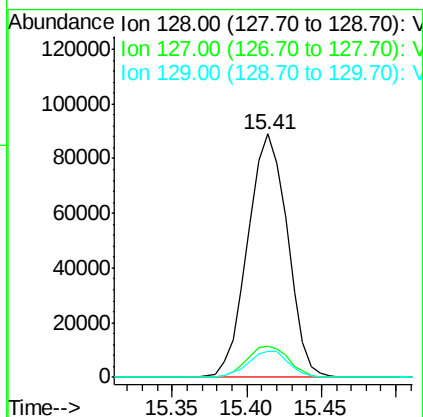
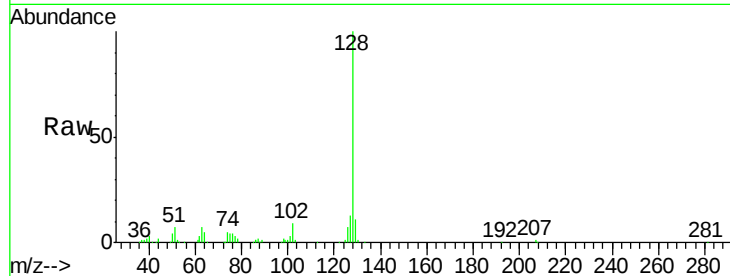
#95
Naphthalene
Concen: 19.266 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.117 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	30.9	14.6	43.8

