

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065060.D
 Acq On : 05 Feb 2020 12:03
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:04 AM

Quant Time: Feb 05 15:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	628390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	951017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	26004	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	
35) Dibromofluoromethane	7.92	113	24079	4.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.20%	
50) Toluene-d8	10.34	98	99622	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.64	95	31605	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26235	5.421	ug/l	98
3) Chloromethane	2.21	50	32590	4.784	ug/l	94
4) Vinyl Chloride	2.35	62	33097	4.262	ug/l	96
5) Bromomethane	2.77	94	23962	4.610	ug/l	99
6) Chloroethane	2.92	64	19870	3.915	ug/l #	88
7) Trichlorofluoromethane	3.27	101	48404	4.066	ug/l	98
8) Diethyl Ether	3.71	74	14067	5.080	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	30579	5.295	ug/l	97
10) Methyl Iodide	4.29	142	27770	4.514	ug/l	100
11) Tert butyl alcohol	5.25	59	8508	26.291	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	28555	5.184	ug/l	84
13) Acrolein	3.93	56	11227	27.163	ug/l	98
14) Allyl chloride	4.71	41	45471	5.151	ug/l	99
15) Acrylonitrile	5.43	53	29670	24.753	ug/l	99
16) Acetone	4.17	43	36813	29.032	ug/l	93
17) Carbon Disulfide	4.40	76	89015	4.926	ug/l	99
18) Methyl Acetate	4.73	43	14448	5.156	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	60635	4.977	ug/l	93
20) Methylene Chloride	4.96	84	43096	6.159	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	31608	5.013	ug/l	87
22) Diisopropyl ether	6.37	45	83424	4.796	ug/l #	93
23) Vinyl Acetate	6.31	43	219716	21.794	ug/l	96
24) 1,1-Dichloroethane	6.27	63	52498	4.920	ug/l	97
25) 2-Butanone	7.23	43	40925	25.536	ug/l	99
26) 2,2-Dichloropropane	7.21	77	47744	4.903	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	32563	4.826	ug/l	98
28) Bromochloromethane	7.56	49	22157	5.370	ug/l	99
29) Tetrahydrofuran	7.57	42	23268	23.436	ug/l	99
30) Chloroform	7.71	83	52665	4.793	ug/l	95
31) Cyclohexane	7.99	56	60873	5.757	ug/l #	77
32) 1,1,1-Trichloroethane	7.91	97	48546	4.745	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42947	4.691	ug/l	98
37) Ethyl Acetate	7.30	43	18398	4.883	ug/l	99
38) Carbon Tetrachloride	8.10	117	44352	4.617	ug/l	96

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Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	52478	4.861	ug/l	97
40) Benzene	8.36	78	117729	4.673	ug/l	99
41) Methacrylonitrile	7.53	41	8517	4.294	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	34318	4.608	ug/l	100
43) Isopropyl Acetate	8.46	43	33337	4.660	ug/l	98
44) Trichloroethene	9.12	130	35719	5.034	ug/l	87
45) 1,2-Dichloropropane	9.39	63	28064	4.584	ug/l	99
46) Dibromomethane	9.48	93	15499	4.674	ug/l	97
47) Bromodichloromethane	9.67	83	38982	4.516	ug/l	94
48) Methyl methacrylate	9.46	41	15192	4.614	ug/l	97
49) 1,4-Dioxane	9.47	88	3575	93.810	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	80086	22.510	ug/l	98
52) Toluene	10.41	92	73185	4.501	ug/l	92
53) t-1,3-Dichloropropene	10.63	75	36919	4.488	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	45376	4.691	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	20576	4.611	ug/l	95
56) Ethyl methacrylate	10.66	69	24451	4.566	ug/l	97
57) 1,3-Dichloropropane	10.95	76	36345	4.740	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	58650	31.445	ug/l	97
59) 2-Hexanone	10.99	43	54418	22.099	ug/l	97
60) Dibromochloromethane	11.15	129	25105	4.222	ug/l	93
61) 1,2-Dibromoethane	11.25	107	20114	4.670	ug/l	99
64) Tetrachloroethene	10.88	164	28663	4.733	ug/l	98
65) Chlorobenzene	11.68	112	77419	4.556	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	28073	4.413	ug/l	96
67) Ethyl Benzene	11.75	91	140336	4.659	ug/l	98
68) m/p-Xylenes	11.86	106	106605	9.195	ug/l	98
69) o-Xylene	12.19	106	46277	4.487	ug/l	100
70) Styrene	12.20	104	79388	4.350	ug/l	99
71) Bromoform	12.37	173	15807	4.516	ug/l #	100
73) Isopropylbenzene	12.48	105	128631	4.678	ug/l	99
74) N-amyl acetate	12.30	43	26700	4.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	21799	4.766	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	15521m	4.782	ug/l	
77) Bromobenzene	12.77	156	32115	4.788	ug/l	97
78) n-propylbenzene	12.83	91	152404	4.665	ug/l	100
79) 2-Chlorotoluene	12.91	91	86009	4.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	106400	4.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7374	4.738	ug/l	96
82) 4-Chlorotoluene	13.01	91	89712	4.716	ug/l	98
83) tert-Butylbenzene	13.23	119	90934	4.763	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	106574	4.685	ug/l	100
85) sec-Butylbenzene	13.41	105	123455	4.553	ug/l	99
86) p-Isopropyltoluene	13.53	119	114505	4.534	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	60328	4.698	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	62841	4.932	ug/l	96
89) n-Butylbenzene	13.86	91	106153	4.605	ug/l	99
90) Hexachloroethane	14.13	117	23038	4.742	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	53403	4.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	3767	5.114	ug/l	93

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MSVOA_D
ClientSampleId :
VSTDICC005

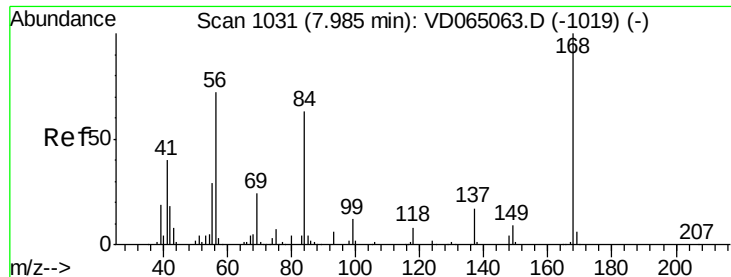
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QLast Update : Wed Feb 05 15:24:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	37787	4.981	ug/l	98
94) Hexachlorobutadiene	15.28	225	23377	4.871	ug/l	99
95) Naphthalene	15.41	128	61435	5.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	32451	4.976	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 628390

Ion Ratio Lower Upper

168 100

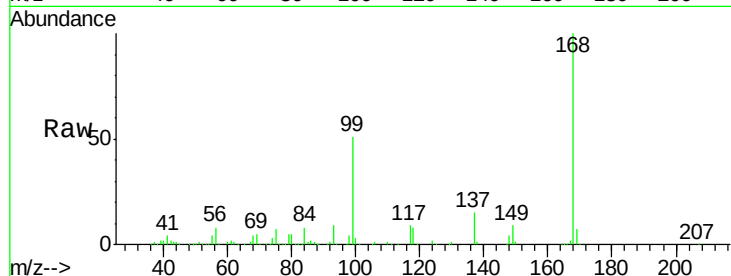
99 50.4 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

300000

250000

200000

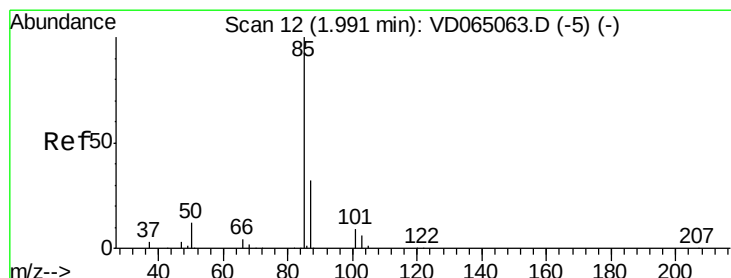
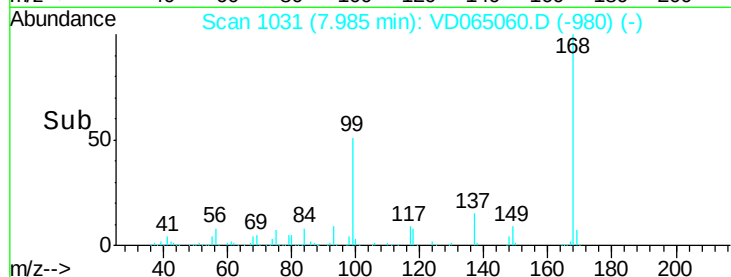
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.421 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065060.D

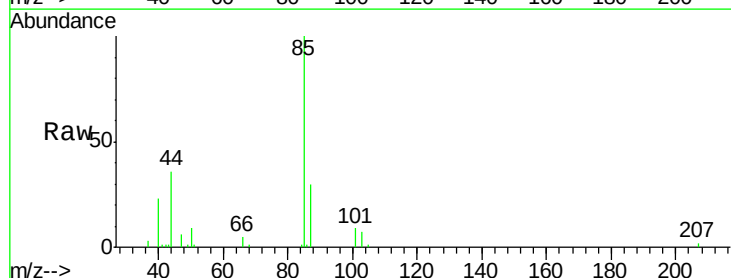
Acq: 05 Feb 2020 12:03

Tgt Ion: 85 Resp: 26235

Ion Ratio Lower Upper

85 100

87 30.4 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

20000

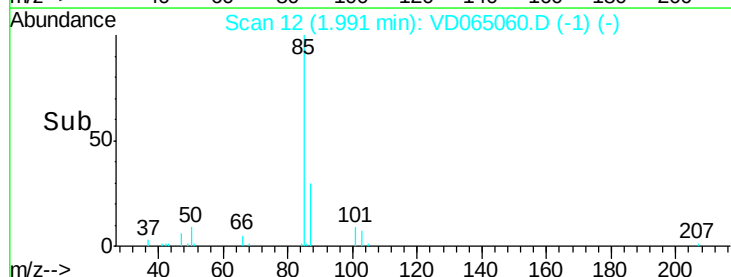
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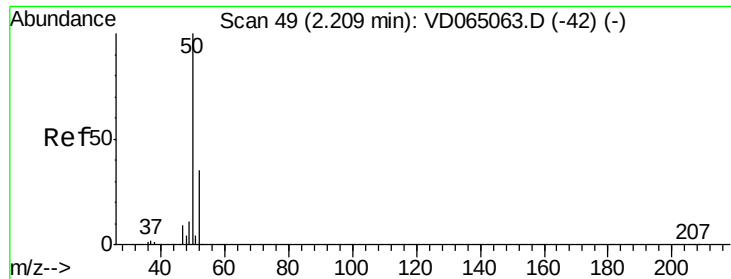
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.784 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 32590

Ion Ratio Lower Upper

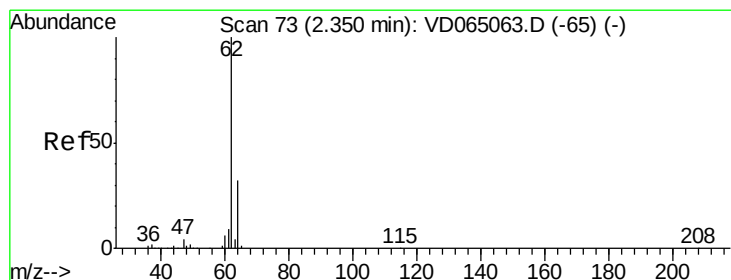
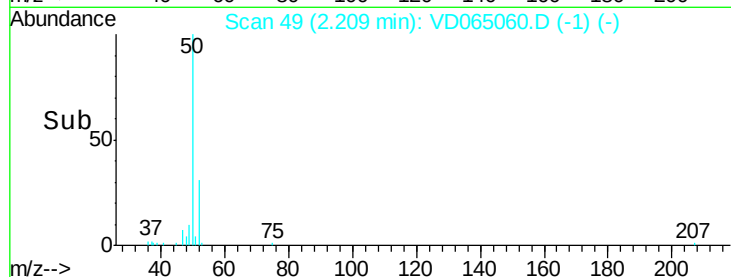
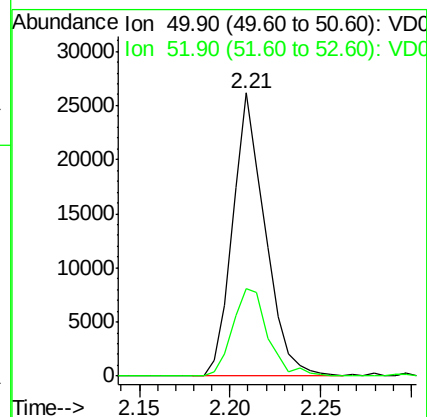
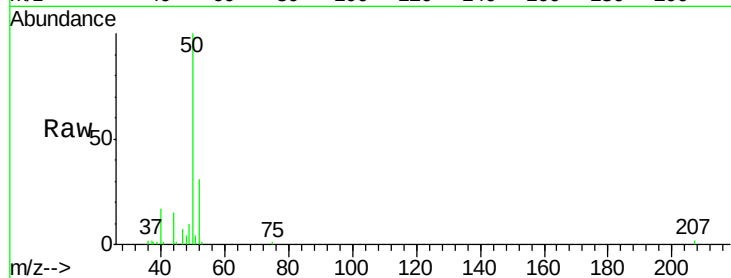
50 100

52 31.0 27.8 41.6

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#4

Vinyl Chloride

Concen: 4.262 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065060.D

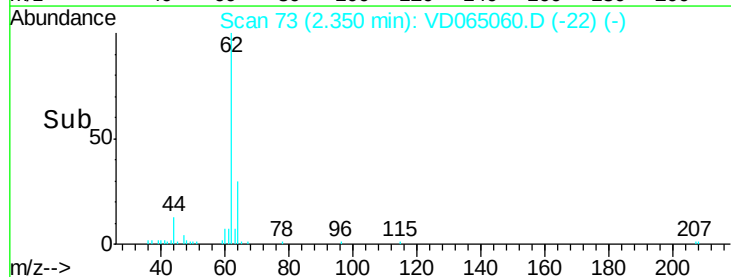
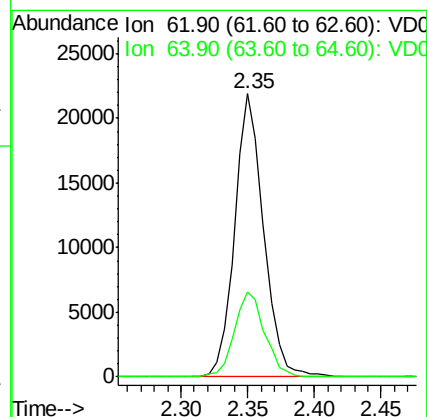
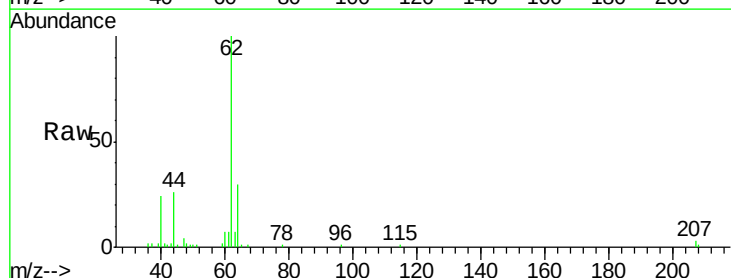
Acq: 05 Feb 2020 12:03

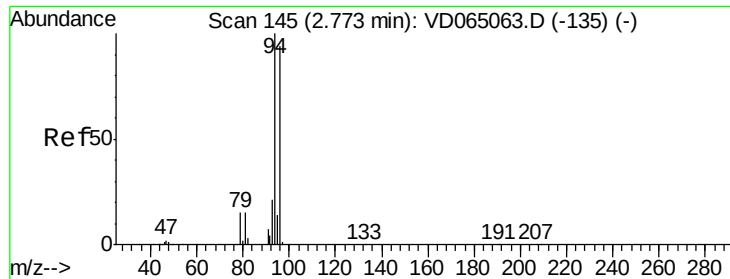
Tgt Ion: 62 Resp: 33097

Ion Ratio Lower Upper

62 100

64 29.9 25.9 38.9





#5

Bromomethane

Concen: 4.610 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 23962

Ion Ratio Lower Upper

94 100

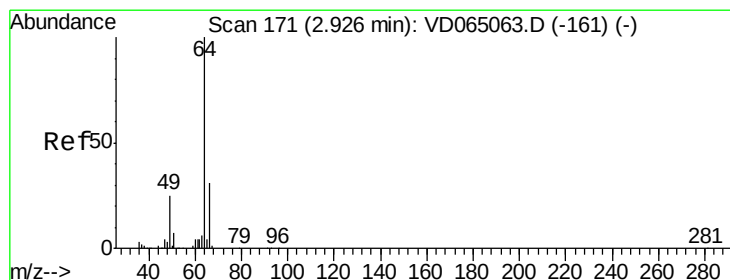
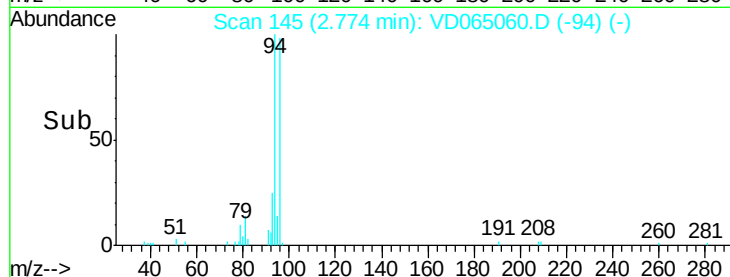
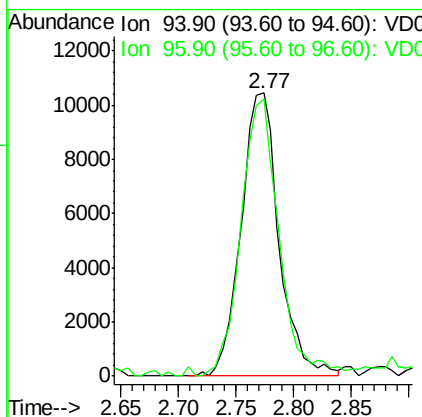
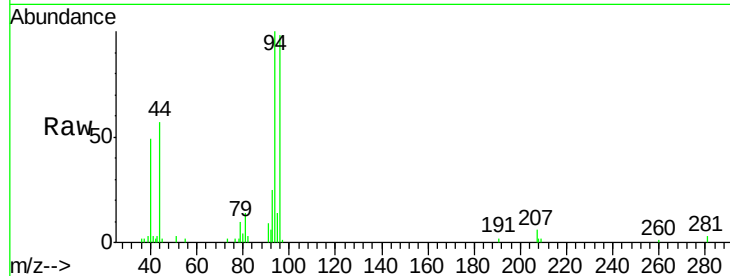
96 94.8 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 3.915 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065060.D

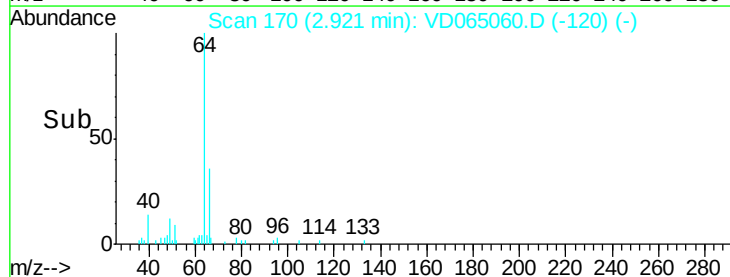
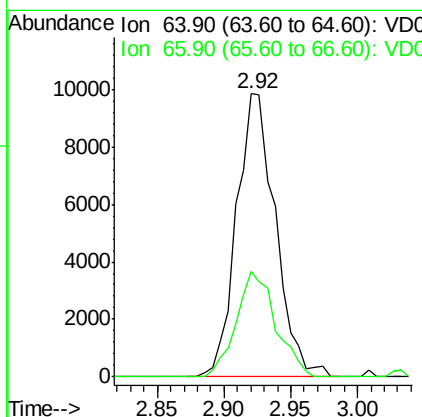
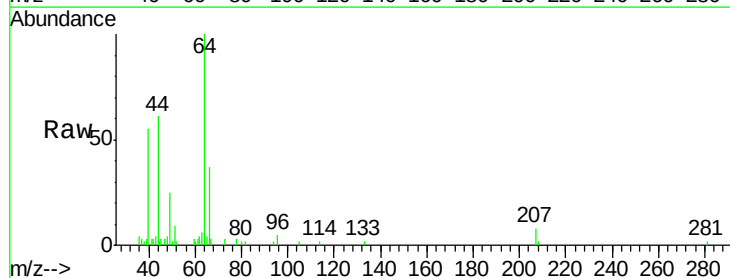
Acq: 05 Feb 2020 12:03

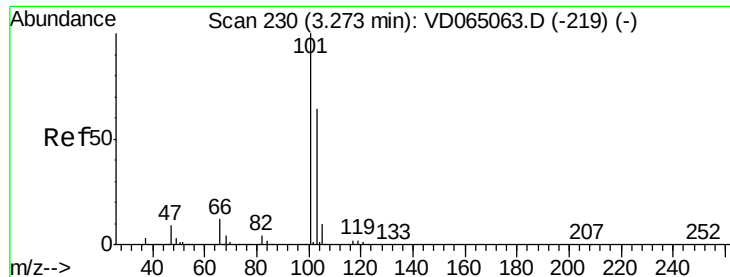
Tgt Ion: 64 Resp: 19870

Ion Ratio Lower Upper

64 100

66 37.4 24.8 37.2#





#7

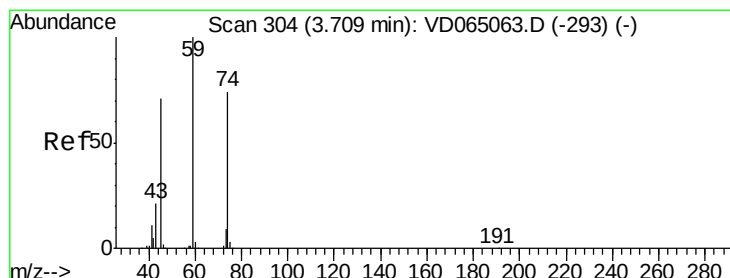
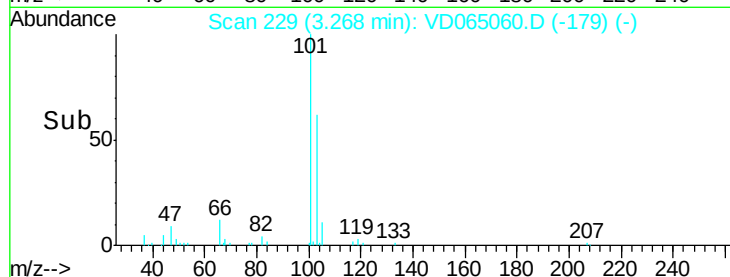
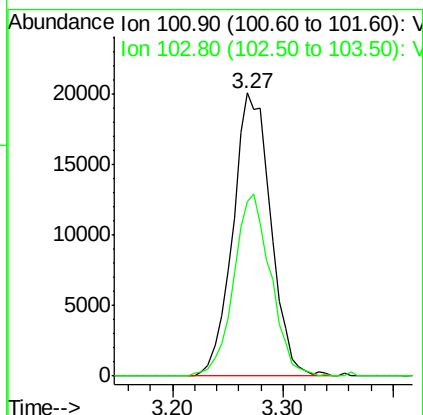
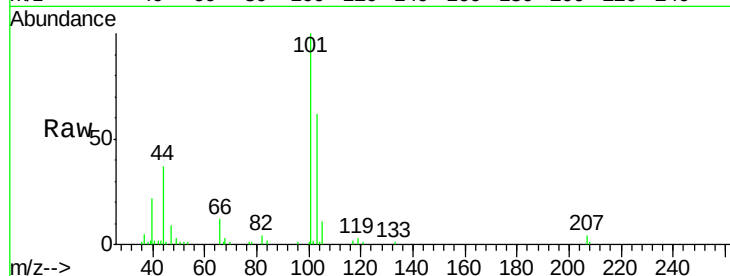
Trichlorofluoromethane
Concen: 4.066 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.0	76.6

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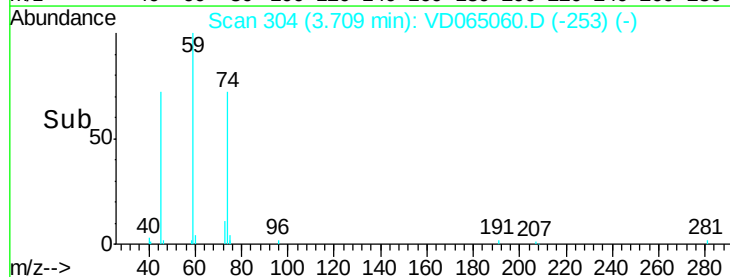
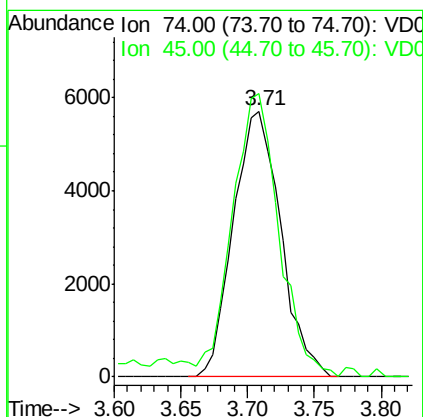
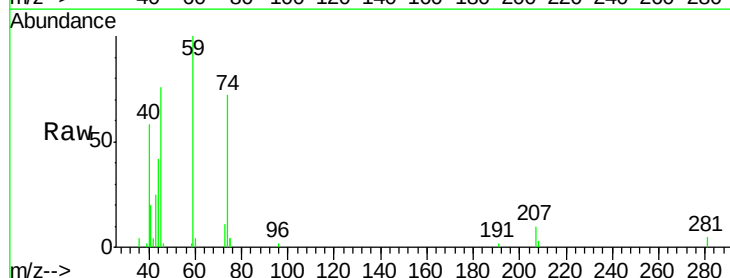
MMDadoda
2/6/2020 10:37:04 AM

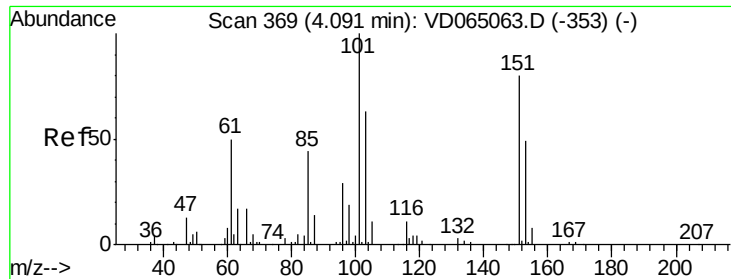


#8

Diethyl Ether
Concen: 5.080 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.295 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

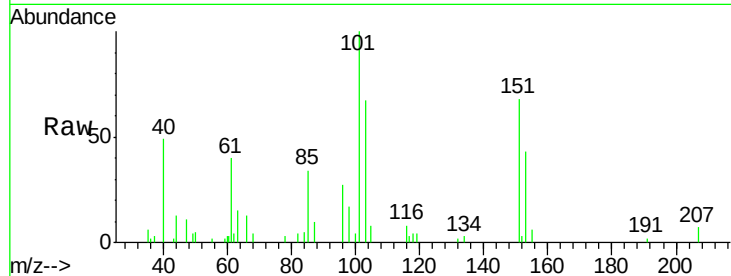
ClientSampleId :

VSTDIC005

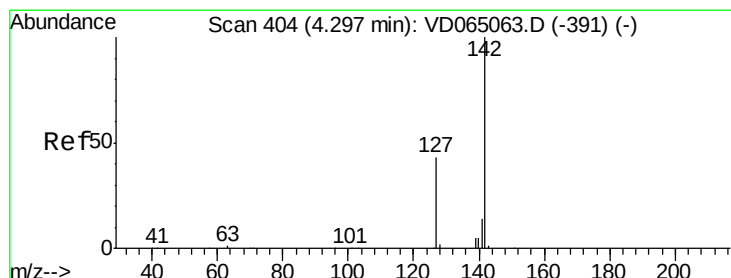
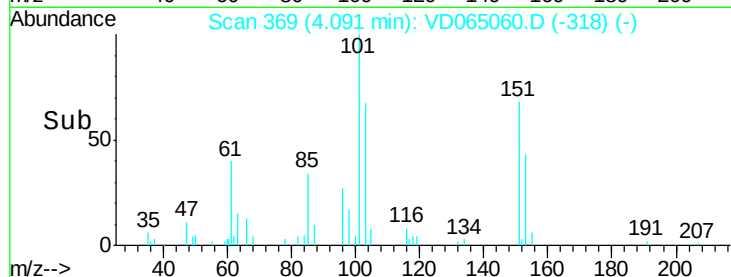
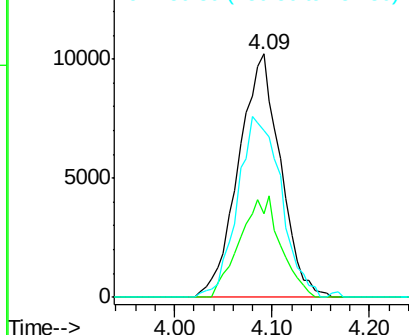
Tot Ion:	101	Resp:	30579
Ion Ratio	Lower	Upper	
101	100		
85	40.4	34.0	51.0
151	77.7	64.0	96.0

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2/6/2020 10:37:04 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.514 ug/l

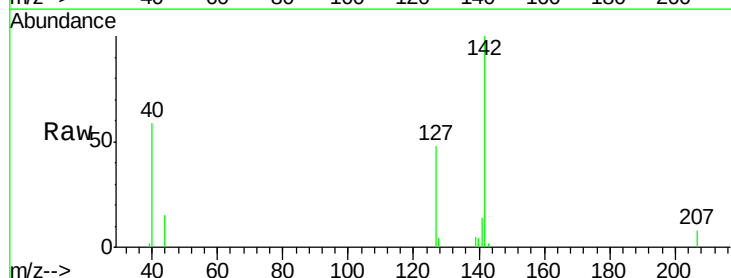
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

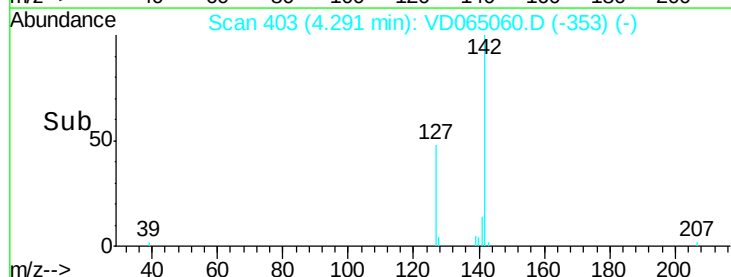
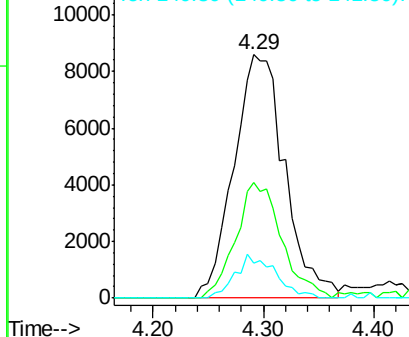
Lab File: VD065060.D

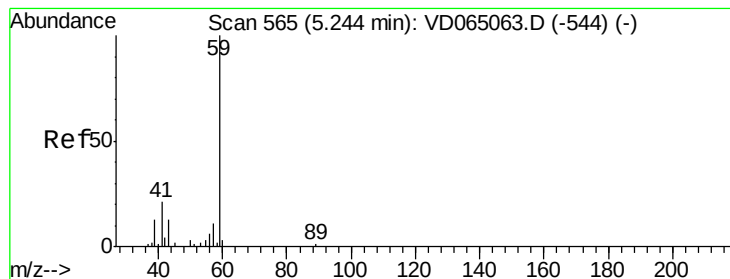
Acq: 05 Feb 2020 12:03

Tgt Ion:	142	Resp:	27770
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.0	51.0
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 26.291 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 8508

Ion Ratio Lower Upper

59 100

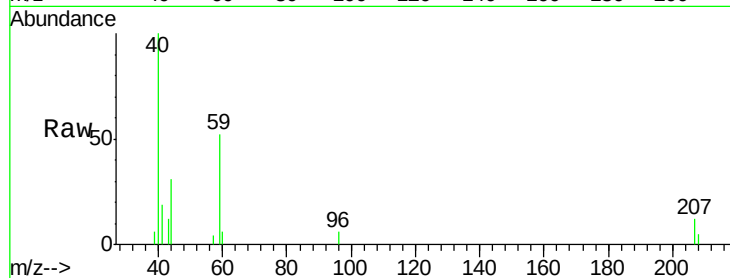
57 0.0 8.8 13.2#

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

2500

2000

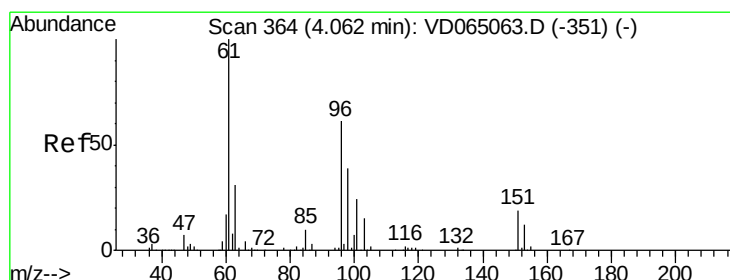
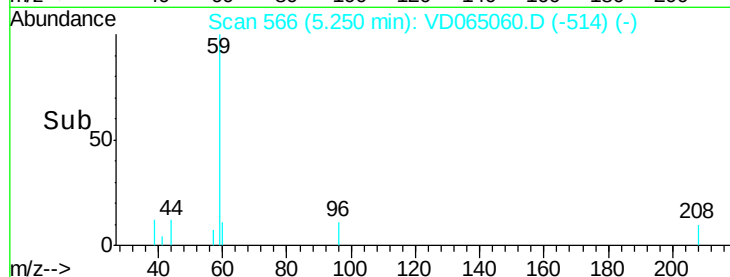
1500

1000

500

0

Time--> 5.15 5.20 5.25 5.30 5.35



#12

1,1-Dichloroethene

Concen: 5.184 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

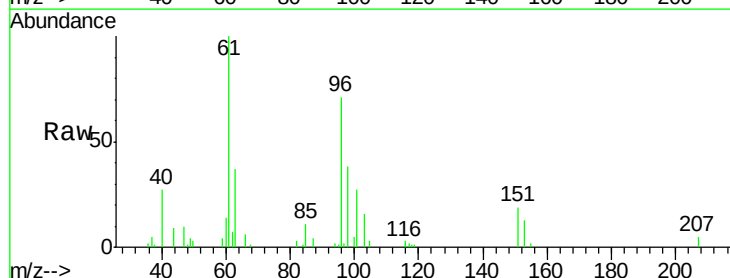
Tgt Ion: 96 Resp: 28555

Ion Ratio Lower Upper

96 100

61 141.5 131.4 197.2

98 54.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

20000

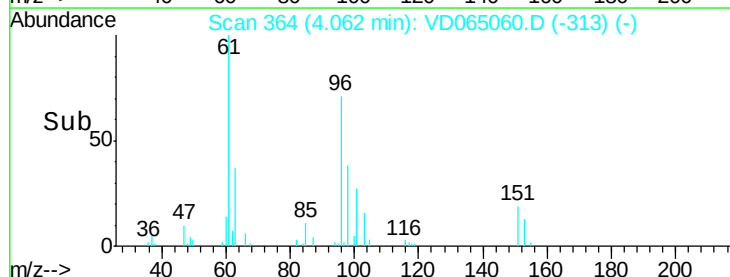
15000

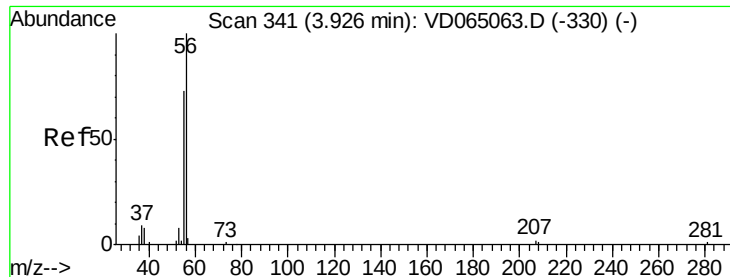
10000

5000

0

Time--> 3.95 4.00 4.05 4.10 4.15





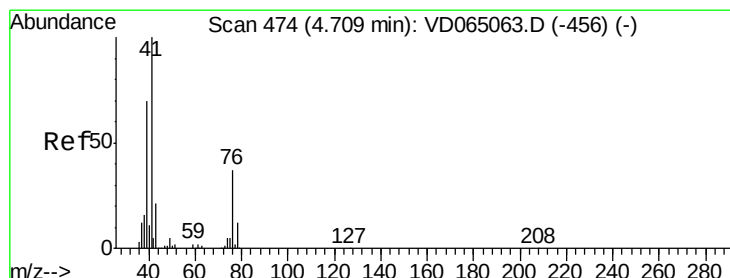
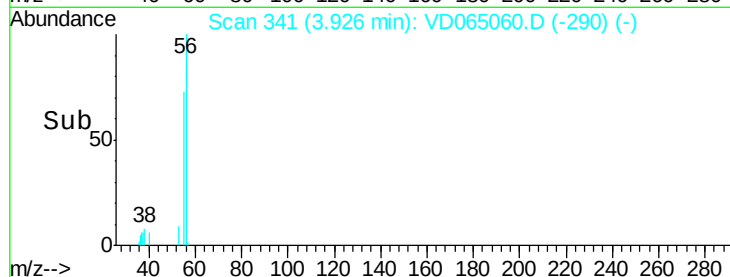
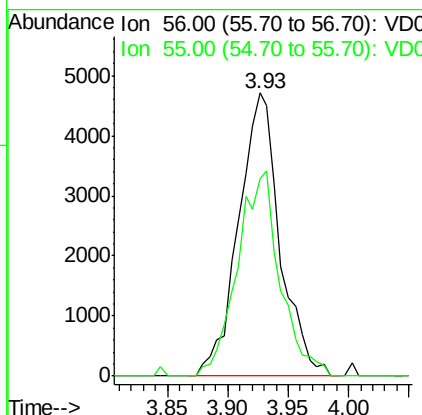
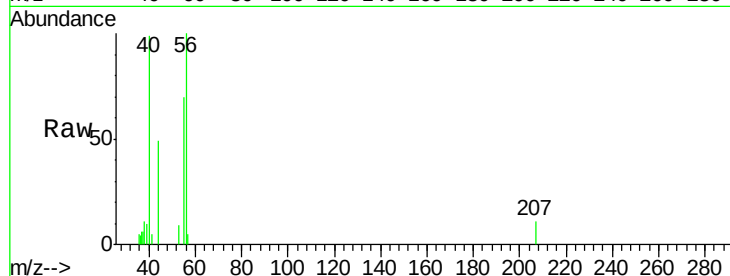
#13
Acrolein
Concen: 27.163 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.5	58.2	87.2

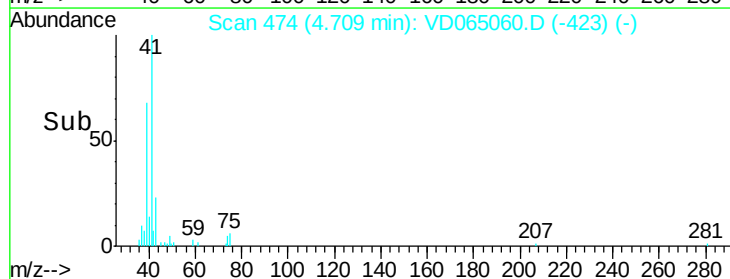
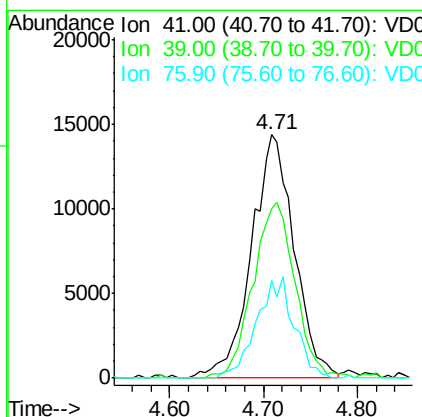
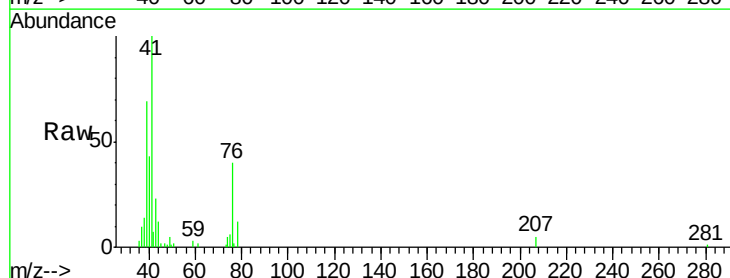
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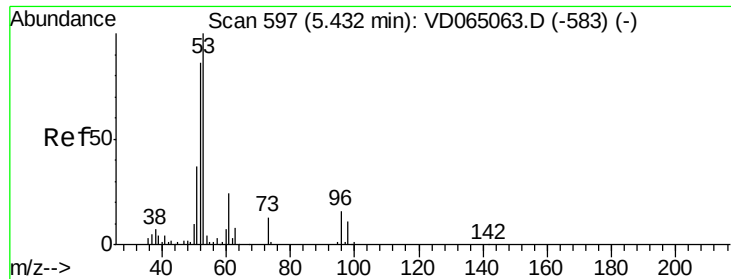
MMDadoda
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#14
Allyl chloride
Concen: 5.151 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.5	57.1	85.7
76	36.2	28.0	42.0





#15

Acrylonitrile

Concen: 24.753 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

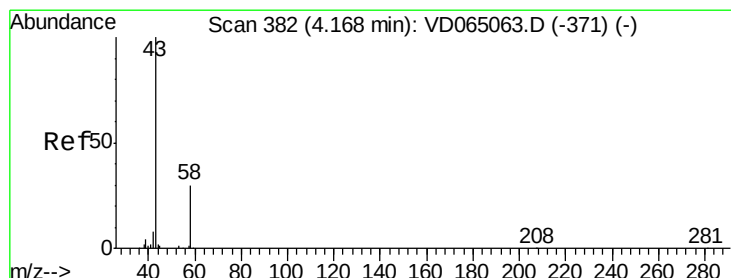
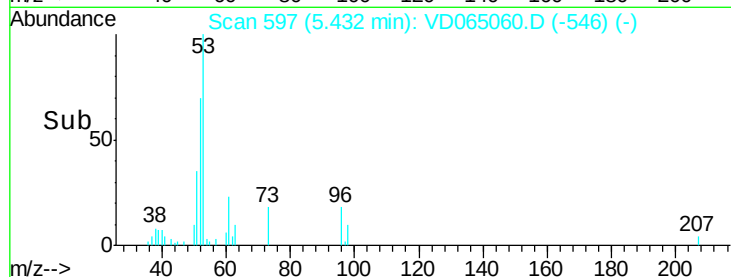
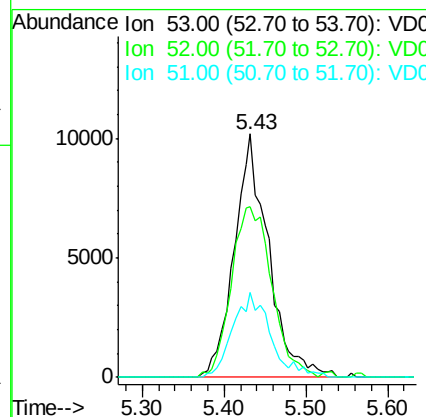
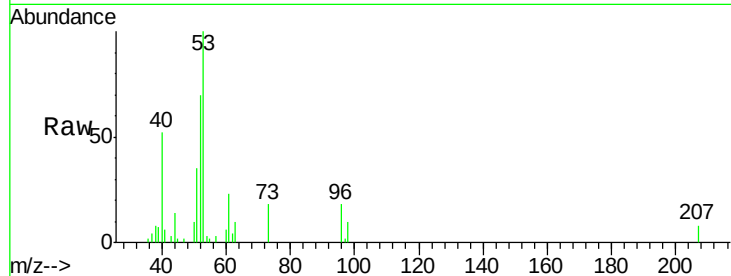
ClientSampleID :

VSTDIC005

Tot Ion:	53	Resp:	29670
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.6	30.4	45.6

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#16

Acetone

Concen: 29.032 ug/l

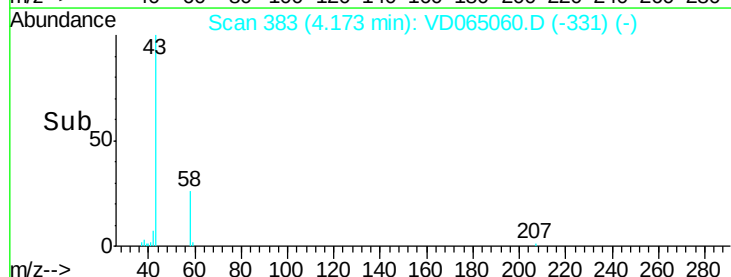
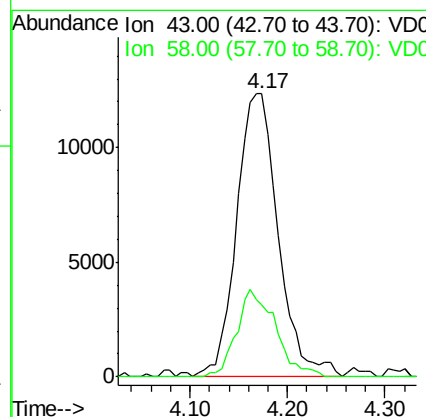
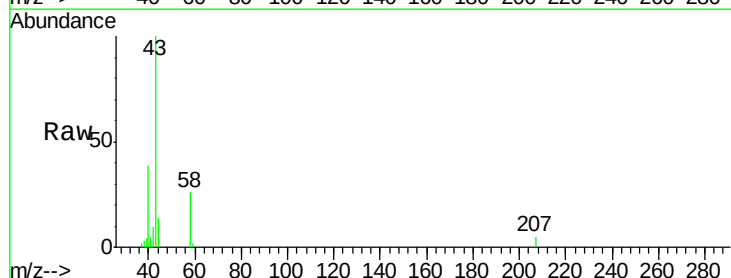
RT: 4.17 min Scan# 383

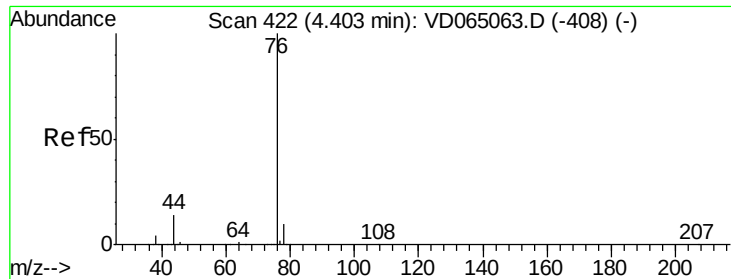
Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion:	43	Resp:	36813
Ion	Ratio	Lower	Upper
43	100		
58	25.6	23.5	35.3





#17

Carbon Disulfide

Concen: 4.926 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 89015

Ion Ratio Lower Upper

76 100

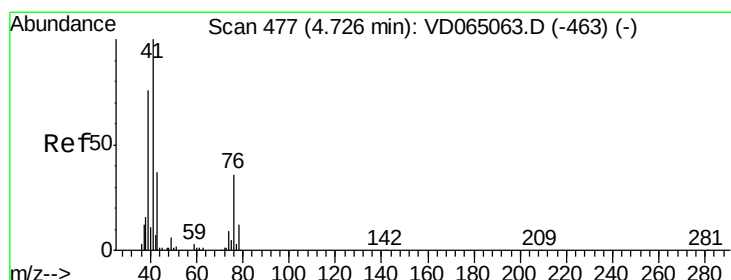
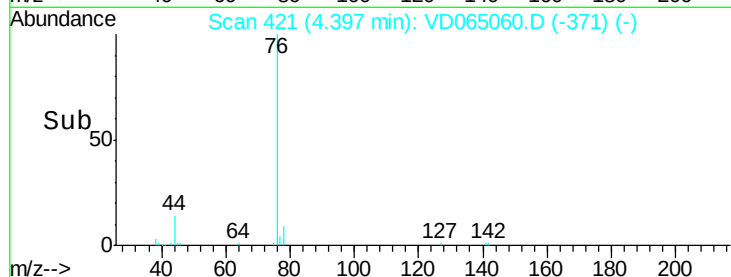
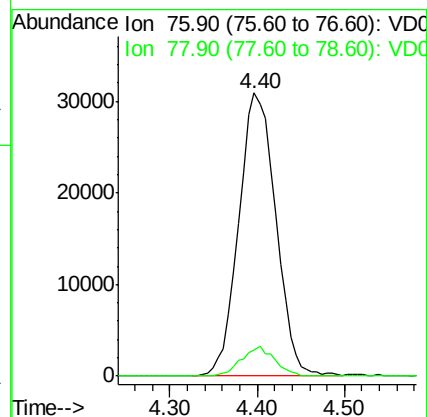
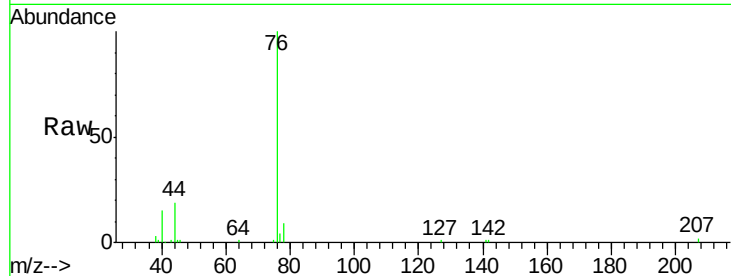
78 9.1 7.6 11.4

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#18

Methyl Acetate

Concen: 5.156 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065060.D

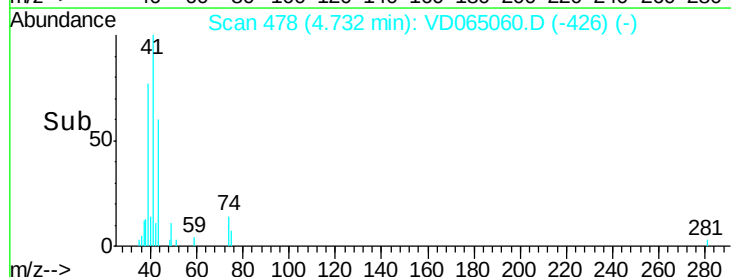
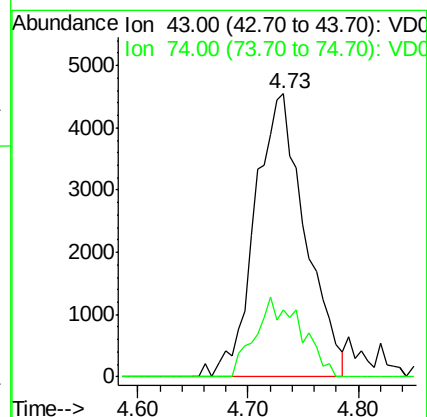
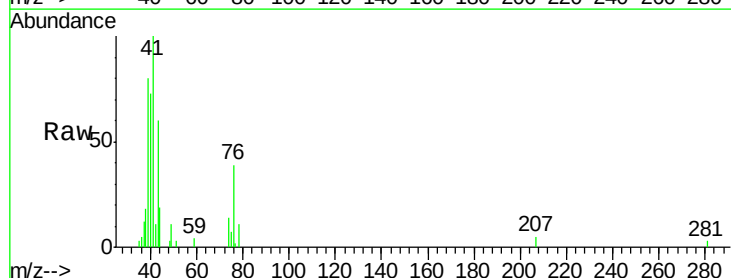
Acq: 05 Feb 2020 12:03

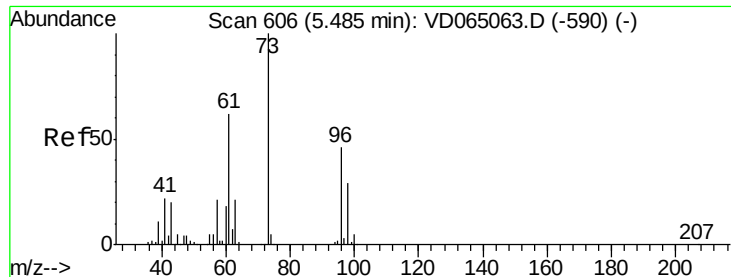
Tgt Ion: 43 Resp: 14448

Ion Ratio Lower Upper

43 100

74 25.7 18.7 28.1





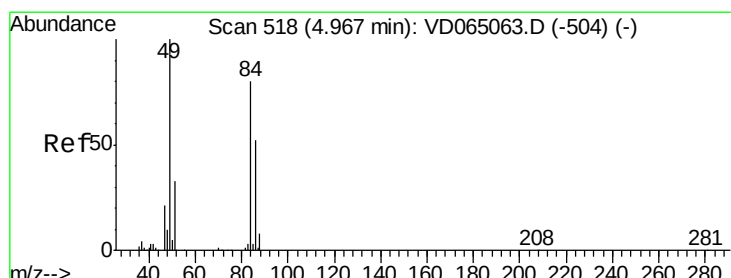
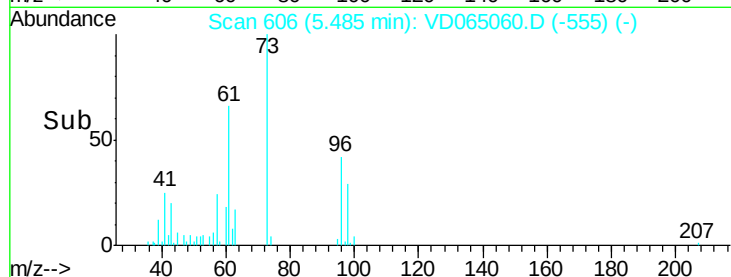
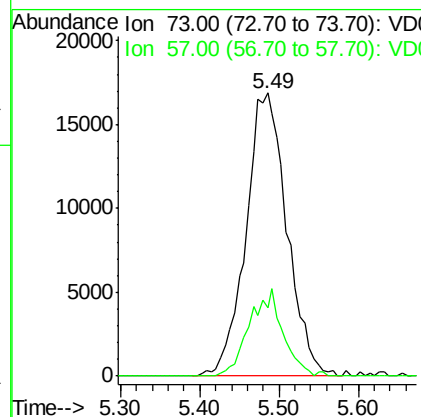
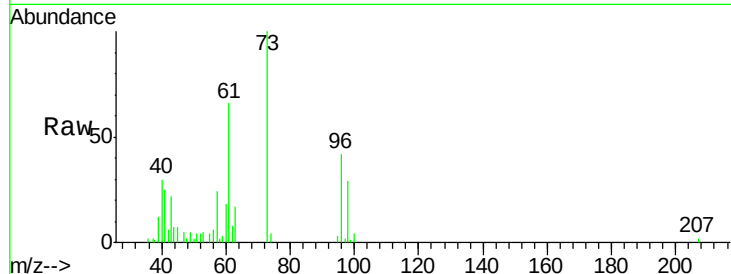
#19
Methyl tert-butyl Ether
Concen: 4.977 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	24.2	16.8	25.2

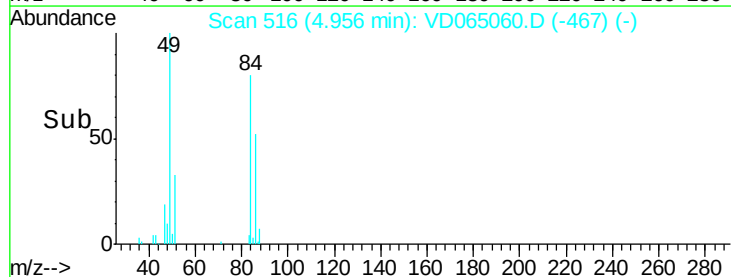
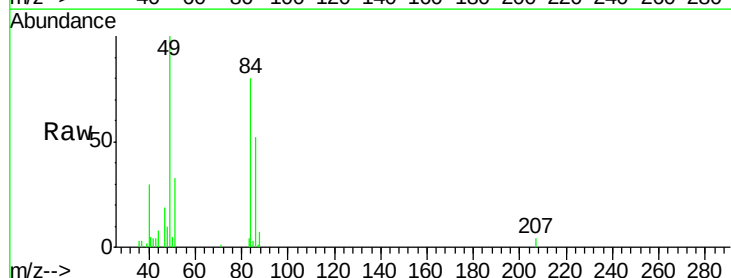
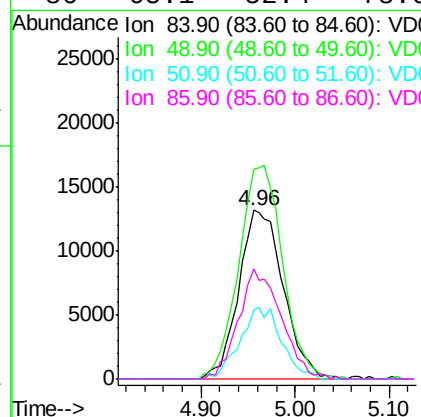
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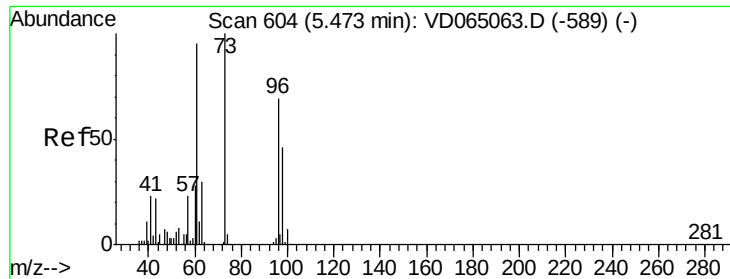
MMDadoda
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#20
Methylene Chloride
Concen: 6.159 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	124.3	100.4	150.6
51	51	40.8	32.7	49.1
86	86	65.1	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 5.013 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

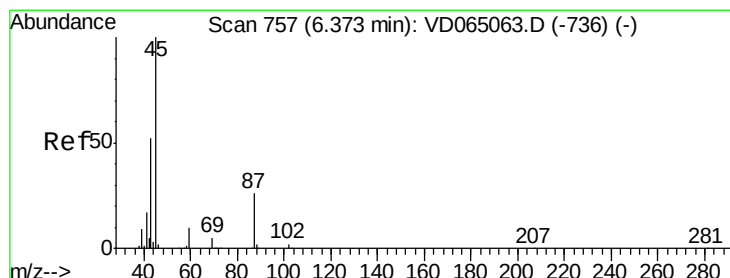
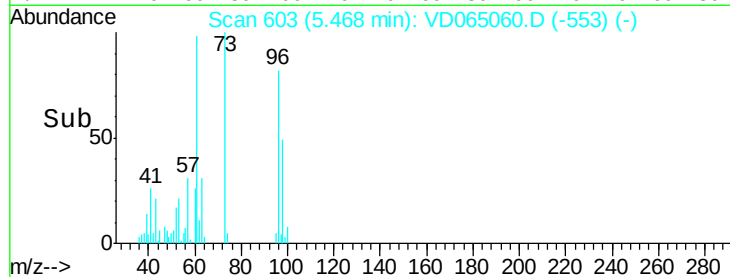
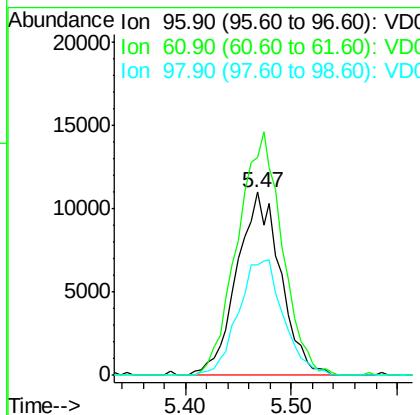
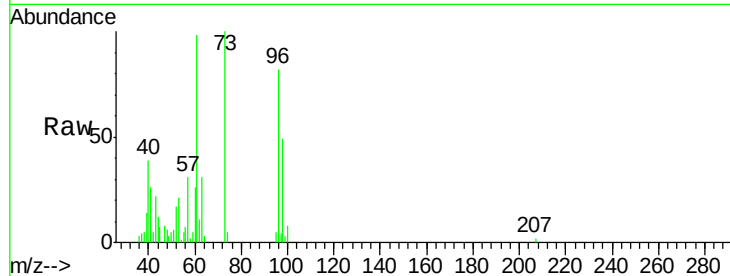
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	31608
Ion	Ratio	Lower	Upper
96	100		
61	118.8	109.5	164.3
98	60.2	53.7	80.5

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#22

Diisopropyl ether

Concen: 4.796 ug/l

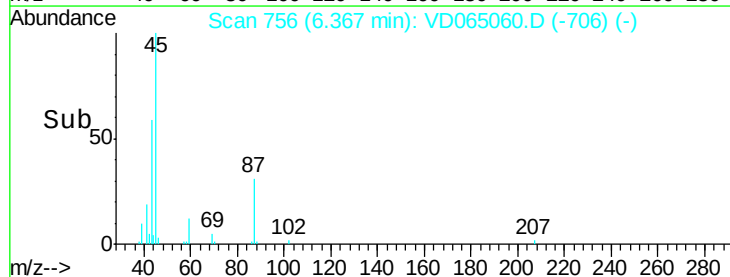
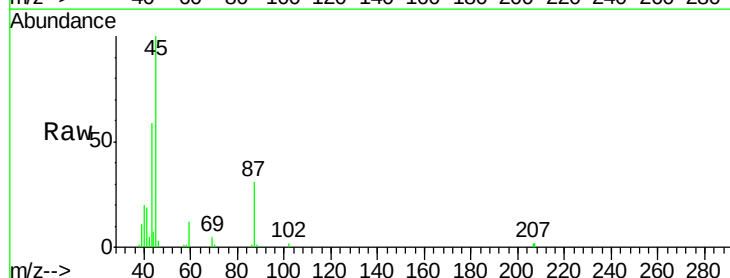
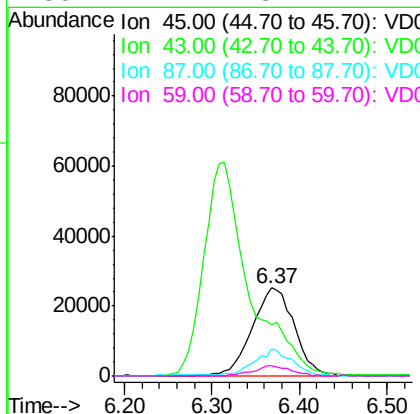
RT: 6.37 min Scan# 756

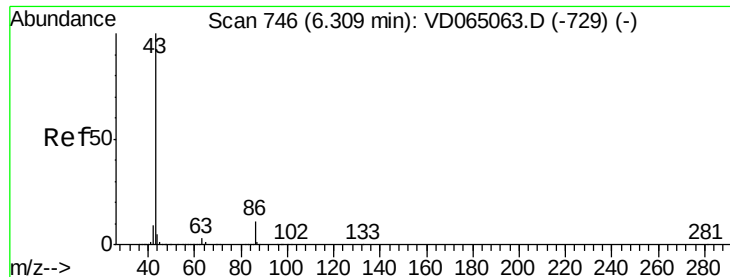
Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion:	45	Resp:	83424
Ion	Ratio	Lower	Upper
45	100		
43	55.9	41.3	61.9
87	31.1	21.0	31.6
59	12.4	8.2	12.4#





#23

Vinyl Acetate

Concen: 21.794 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 219716

Ion Ratio Lower Upper

43 100

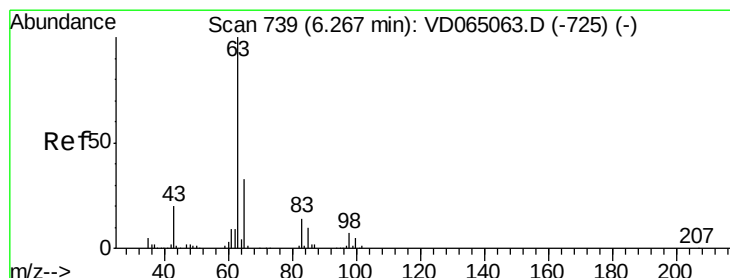
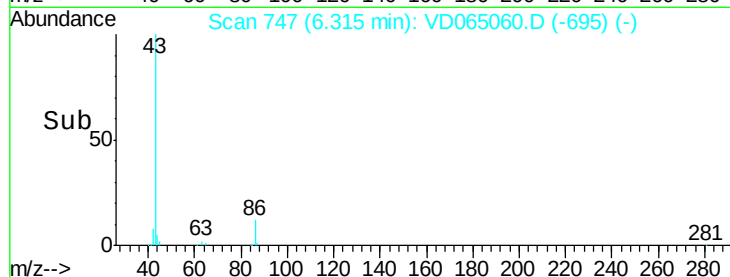
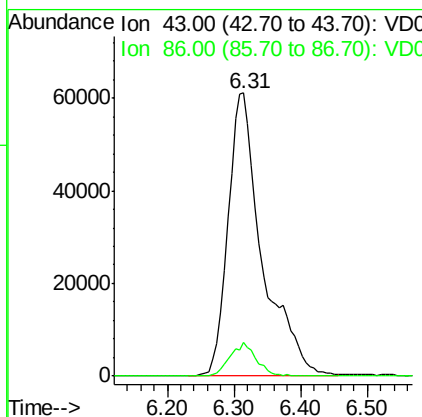
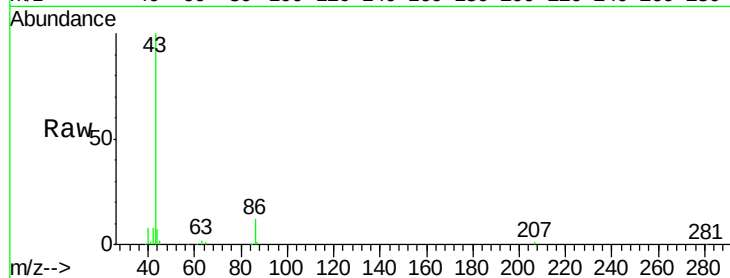
86 11.9 8.5 12.7

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#24

1,1-Dichloroethane

Concen: 4.920 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

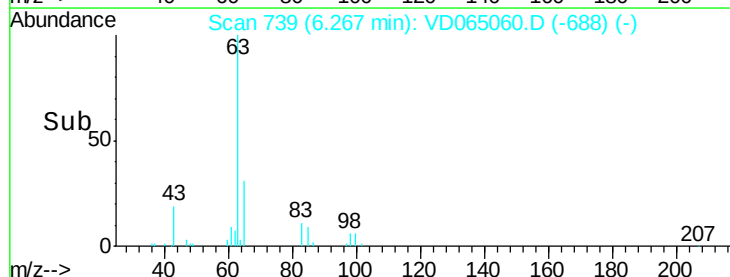
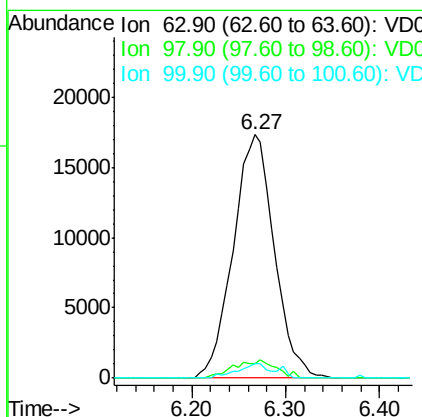
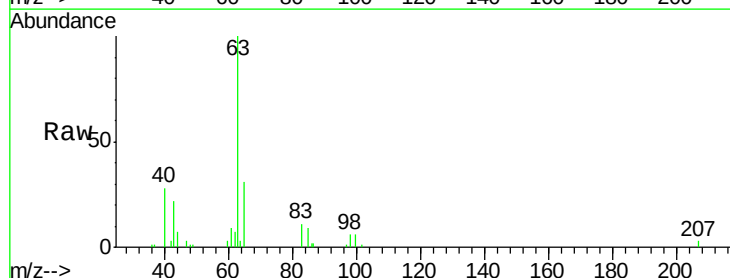
Tgt Ion: 63 Resp: 52498

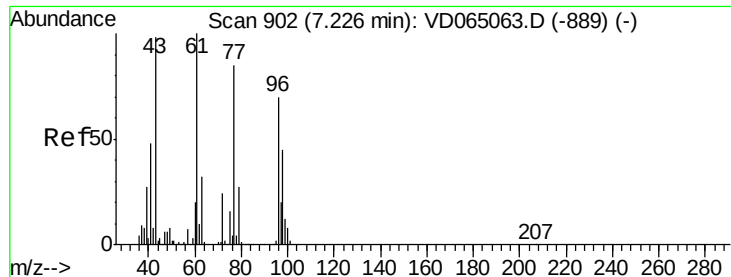
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

100 6.1 2.5 7.6





#25

2-Butanone

Concen: 25.536 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 40925

Ion Ratio Lower Upper

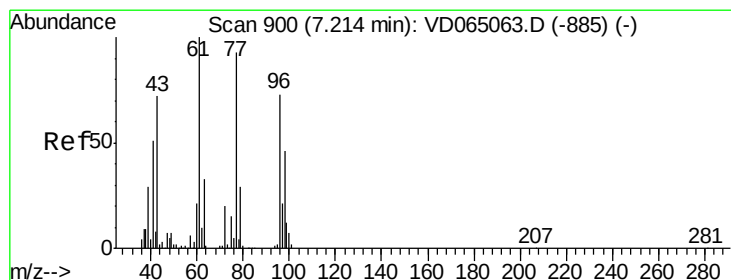
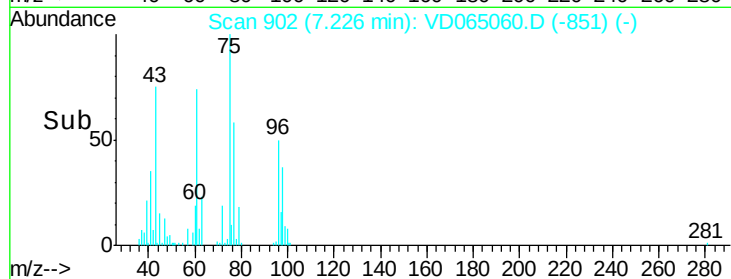
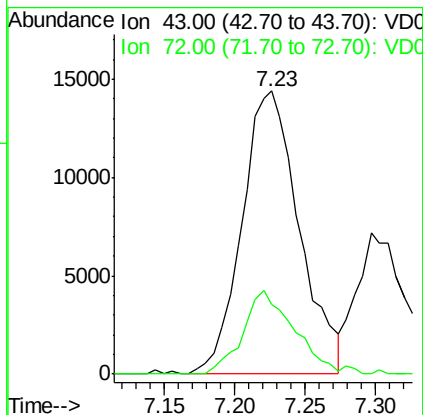
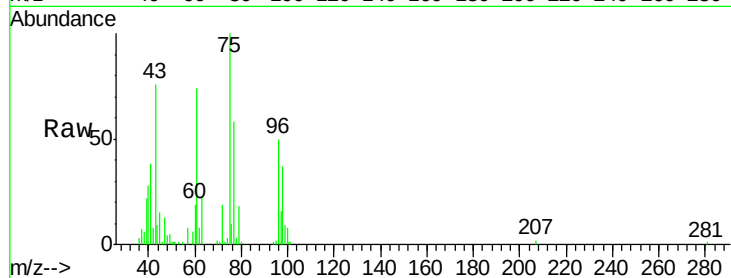
43 100

72 24.4 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 4.903 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065060.D

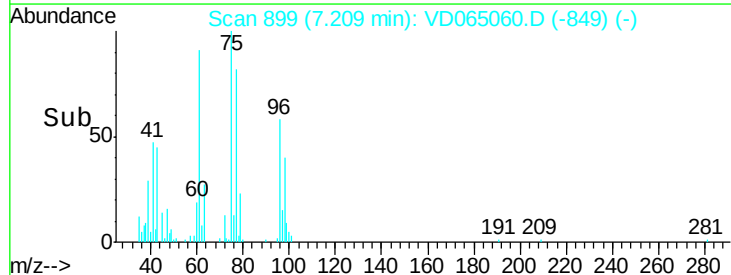
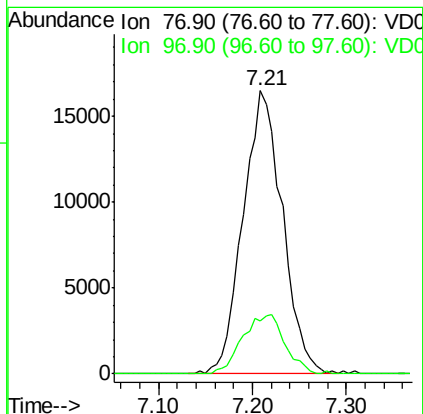
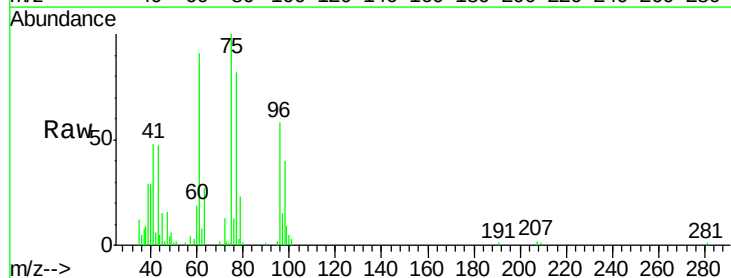
Acq: 05 Feb 2020 12:03

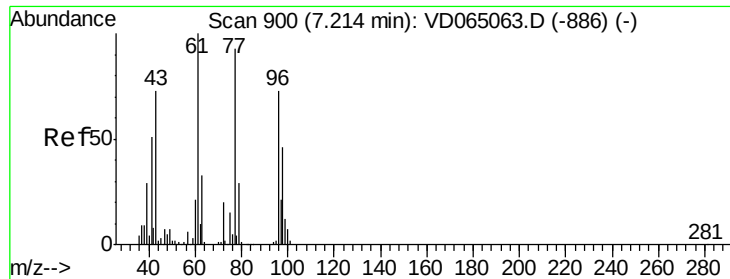
Tgt Ion: 77 Resp: 47744

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 4.826 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

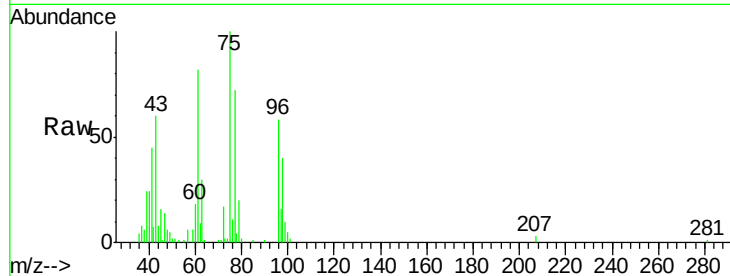
ClientSampleId :

VSTDIC005

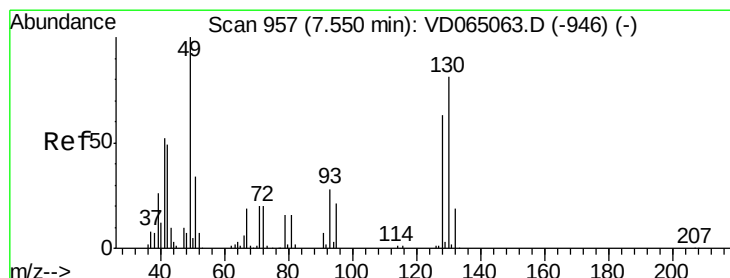
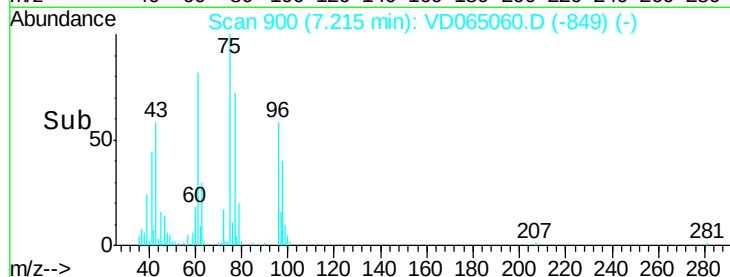
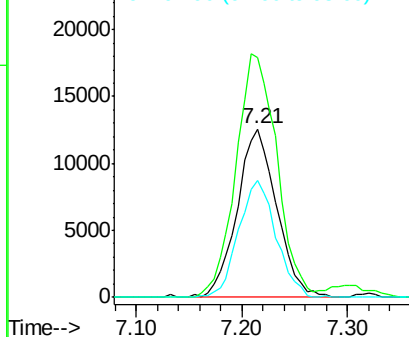
Tot Ion:	96	Resp:	32563
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	292.8
98	66.0	0.0	128.8

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



#28

Bromochloromethane

Concen: 5.370 ug/l

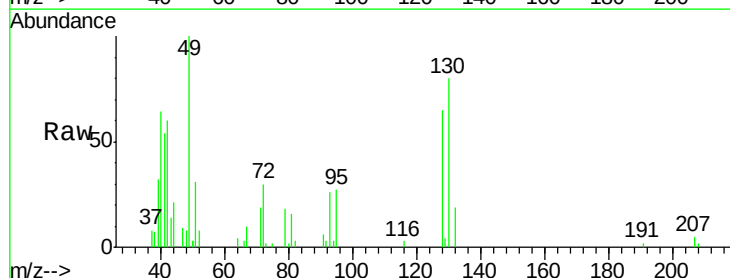
RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

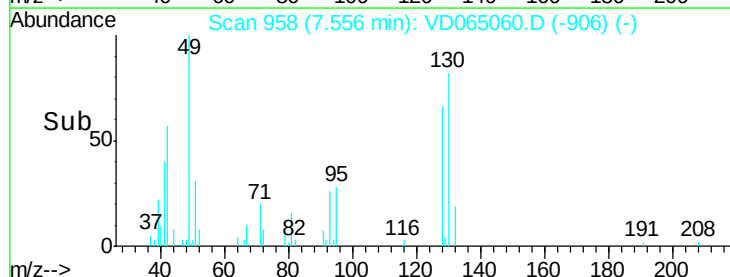
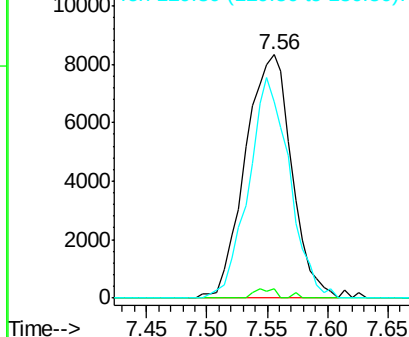
Lab File: VD065060.D

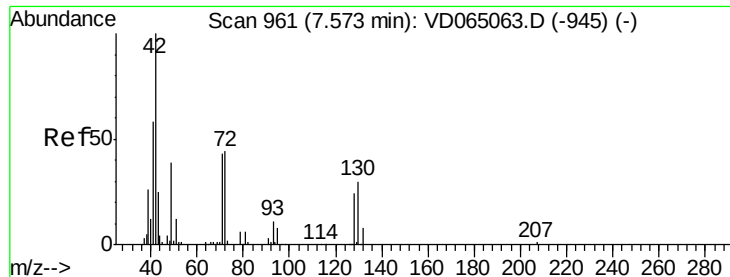
Acq: 05 Feb 2020 12:03

Tgt Ion:	49	Resp:	22157
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.4
130	80.3	63.8	95.8



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





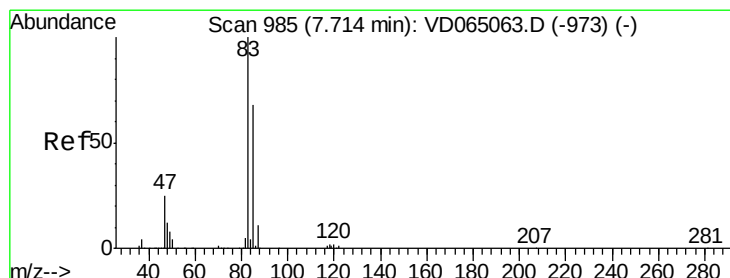
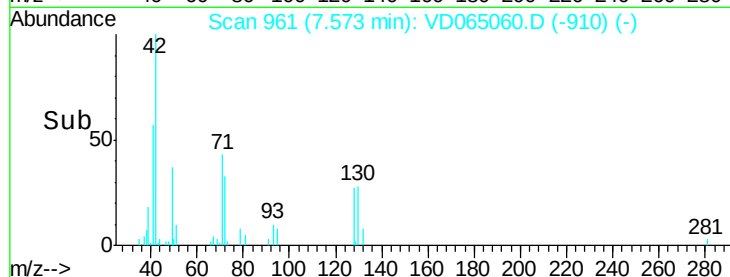
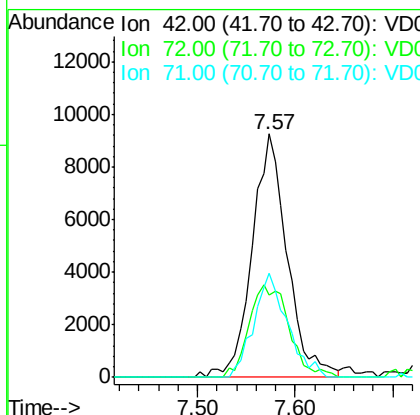
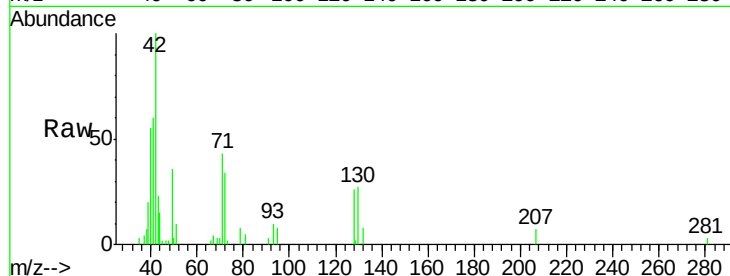
#29
Tetrahydrofuran
Concen: 23.436 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.4
71	40.7	31.8	47.6

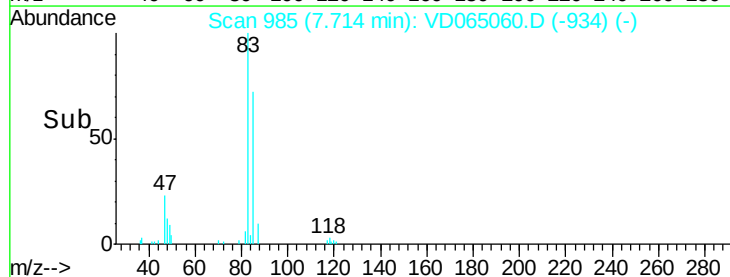
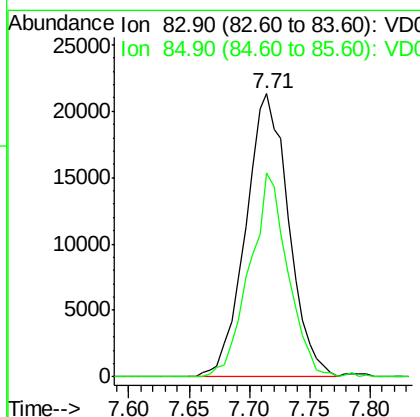
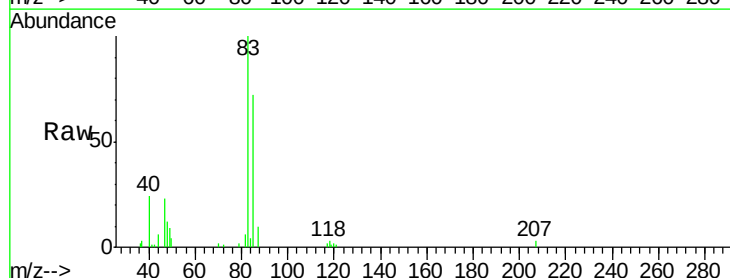
Manual Integrations
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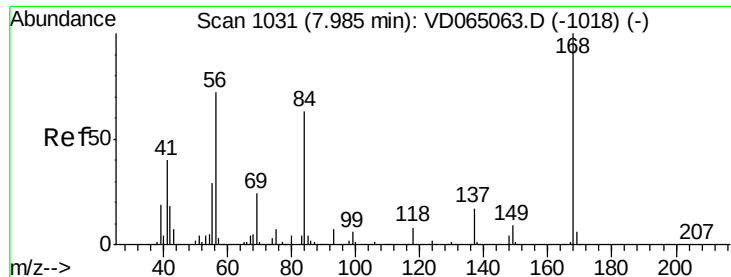
MMDadoda
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#30
Chloroform
Concen: 4.793 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	54.2	81.4





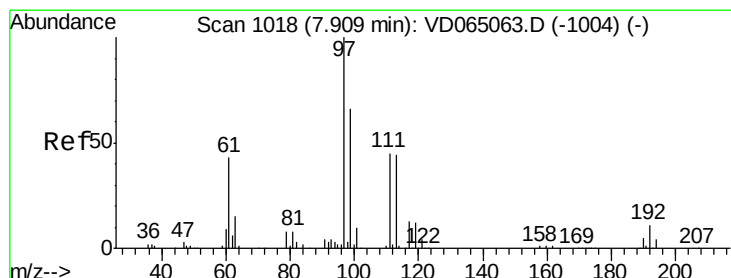
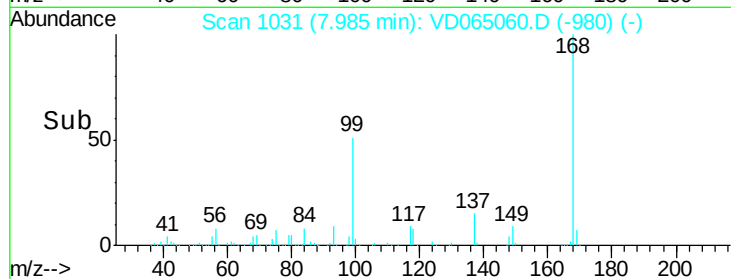
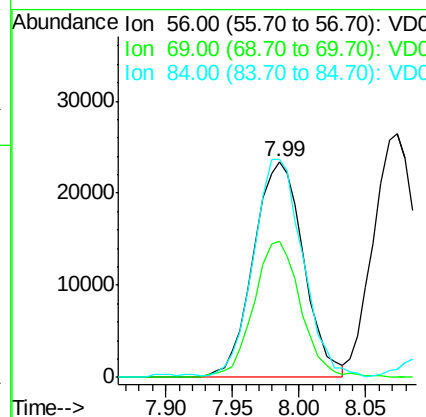
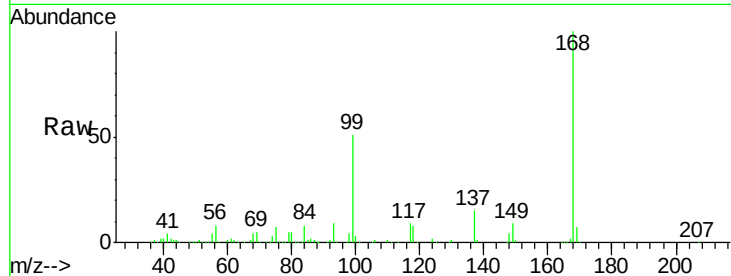
#31
Cyclohexane
Concen: 5.757 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 60873
Ion Ratio Lower Upper
56 100
69 62.9 26.6 40.0#
84 99.6 70.6 106.0

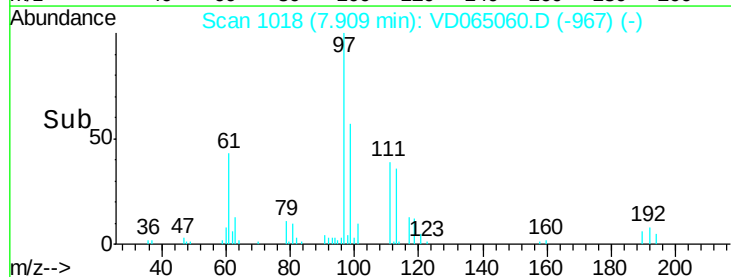
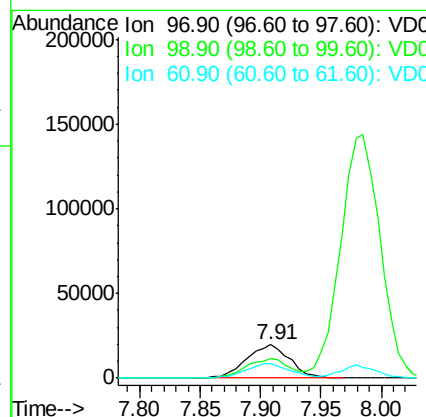
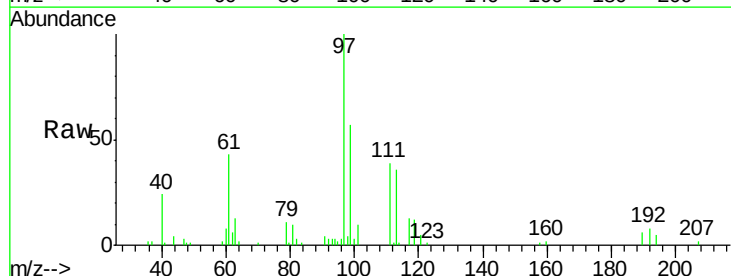
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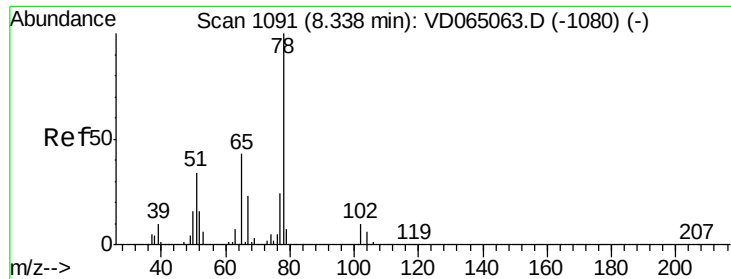
MMDadoda
2/6/2020 10:37:04 AM



#32
1,1,1-Trichloroethane
Concen: 4.745 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 97 Resp: 48546
Ion Ratio Lower Upper
97 100
99 61.9 51.5 77.3
61 43.9 34.8 52.2





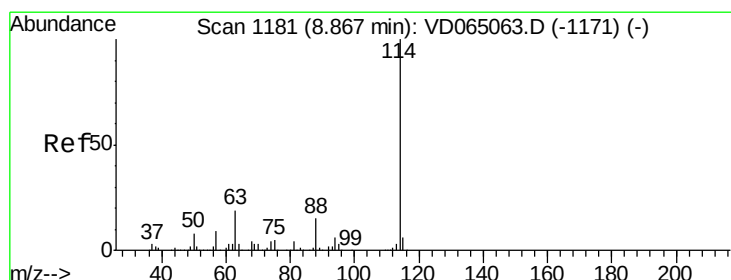
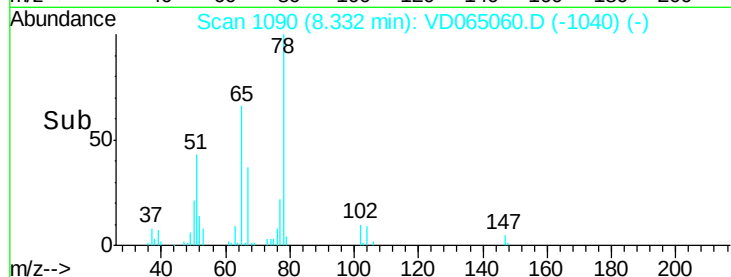
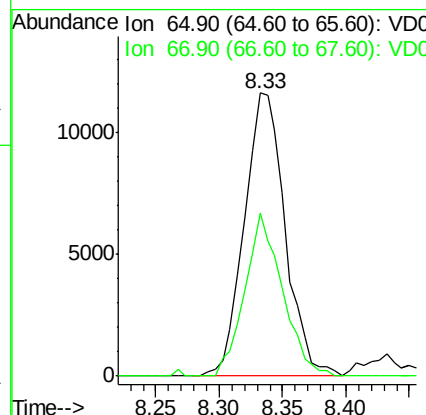
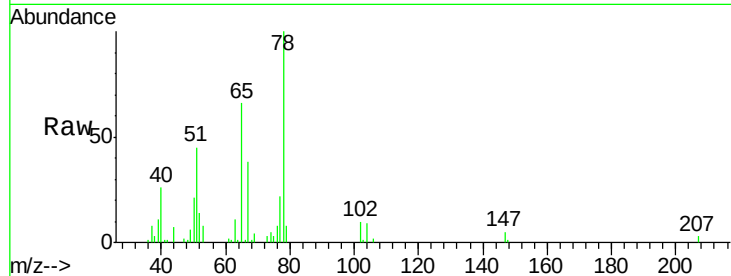
#33
 1,2-Dichloroethane-d4
 Concen: 4.402 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

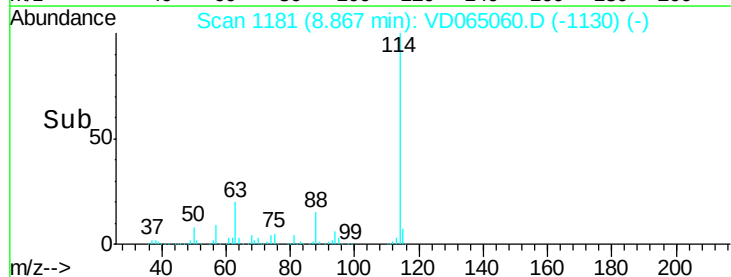
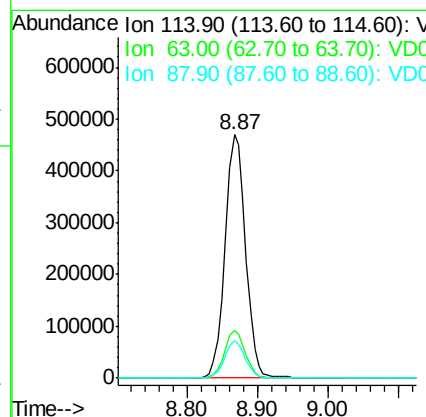
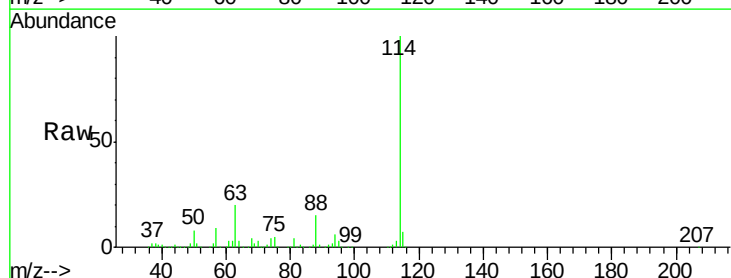
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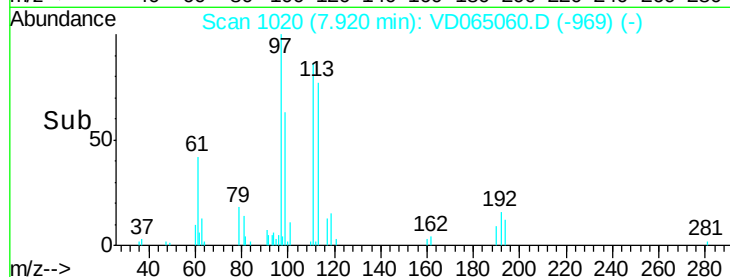
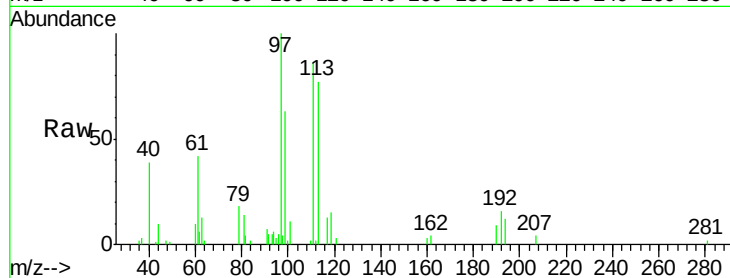
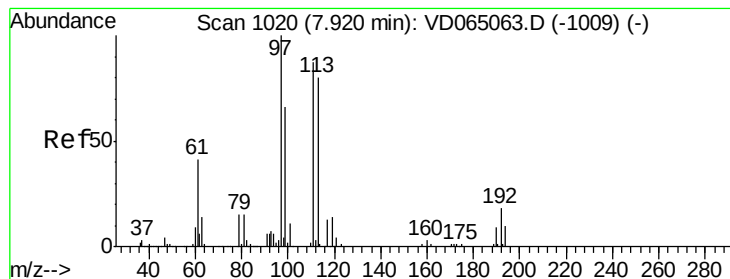
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 2/6/2020 10:37:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.8
88	15.2	0.0	29.6





#35

Dibromofluoromethane

Concen: 4.104 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065060.D

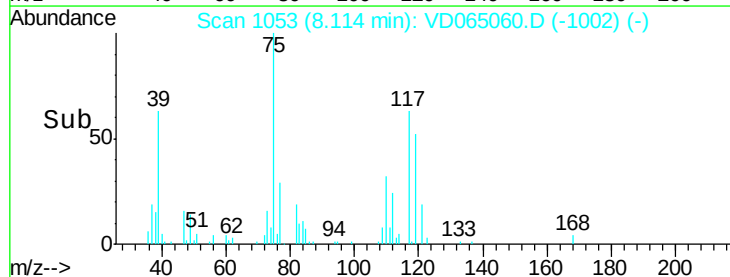
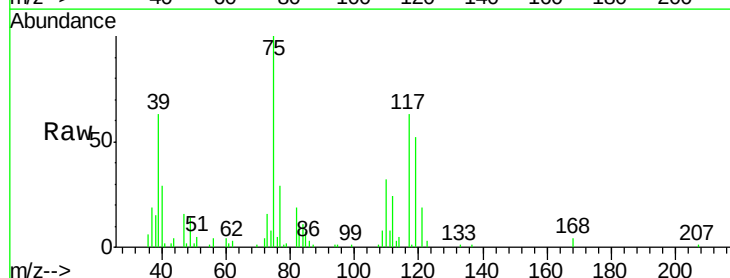
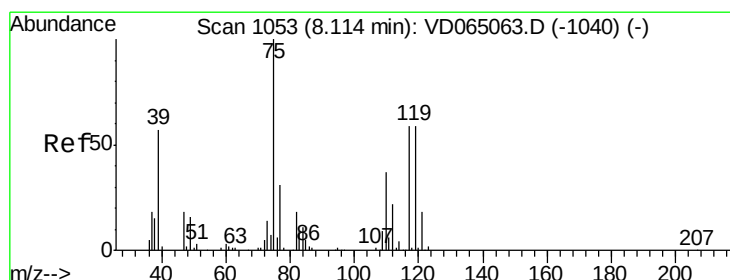
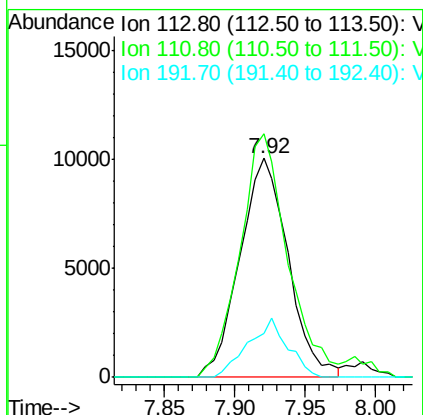
Acq: 05 Feb 2020 12:03

Tot Ion:	113	Resp:	24079
Ion Ratio	Lower	Upper	
113	100		
111	109.9	83.1	124.7
192	22.2	18.1	27.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Manual Integrations
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2/6/2020 10:37:04 AM



#36

1,1-Dichloropropene

Concen: 4.691 ug/l

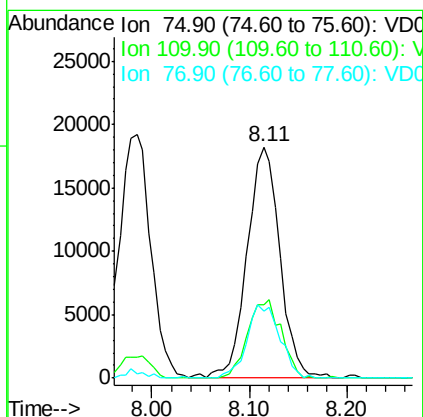
RT: 8.11 min Scan# 1053

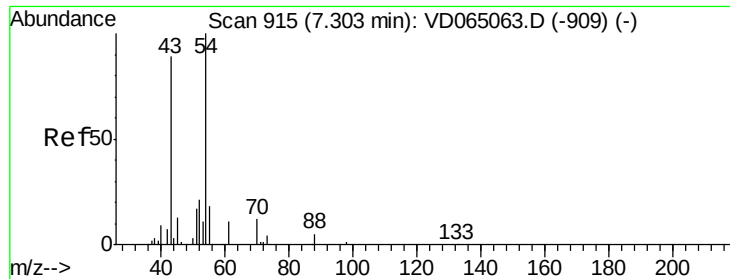
Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion:	75	Resp:	42947
Ion Ratio	Lower	Upper	
75	100		
110	34.6	18.1	54.3
77	31.5	24.7	37.1





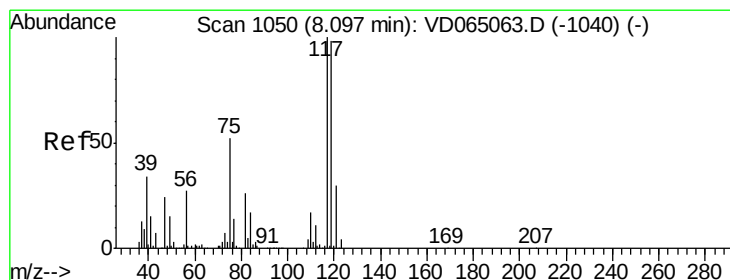
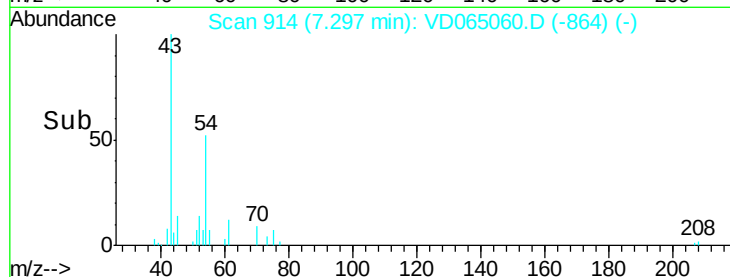
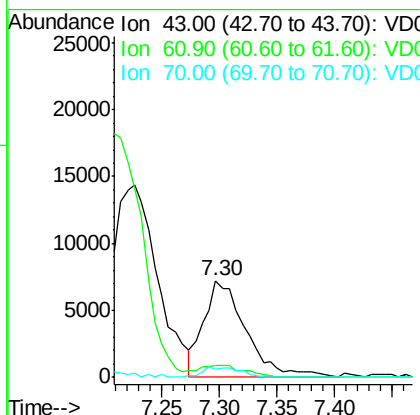
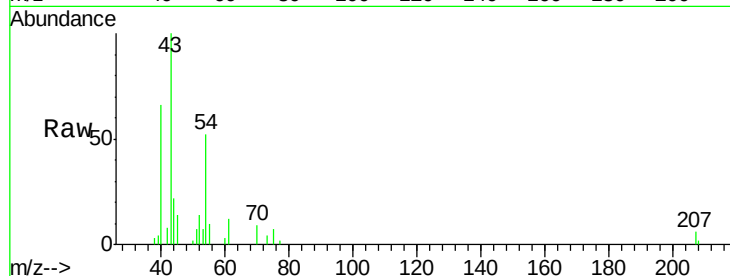
#37
Ethyl Acetate
Concen: 4.883 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	9.6	8.2	12.2

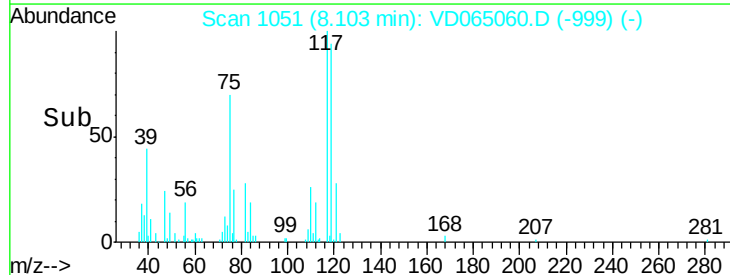
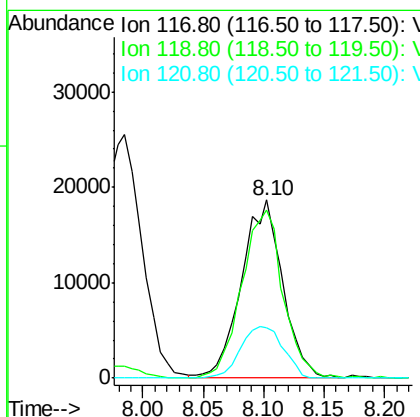
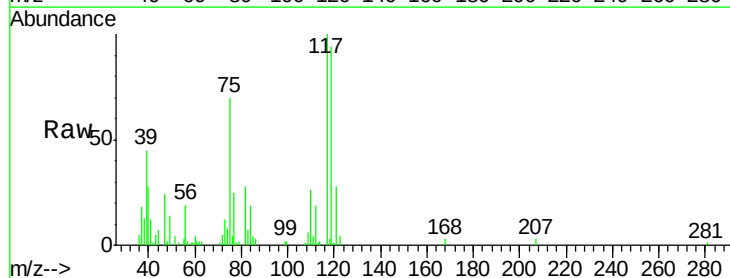
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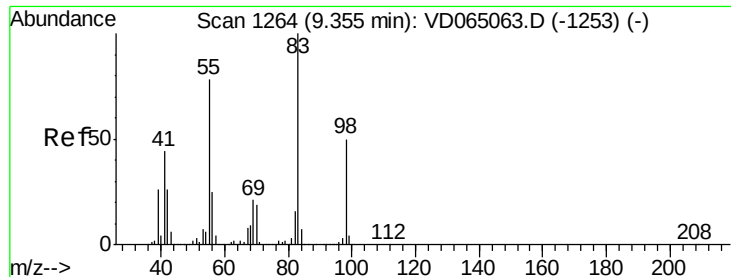
MMDadoda
2/6/2020 10:37:04 AM



#38
Carbon Tetrachloride
Concen: 4.617 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.5	117.7
121	28.0	23.8	35.6





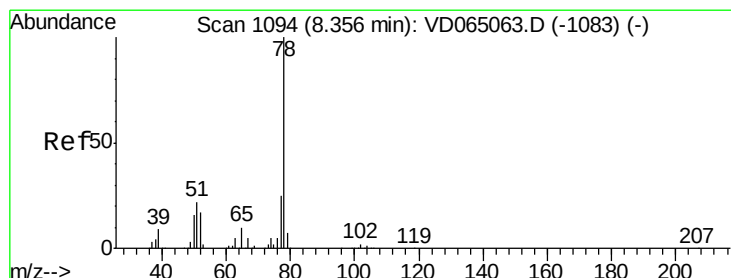
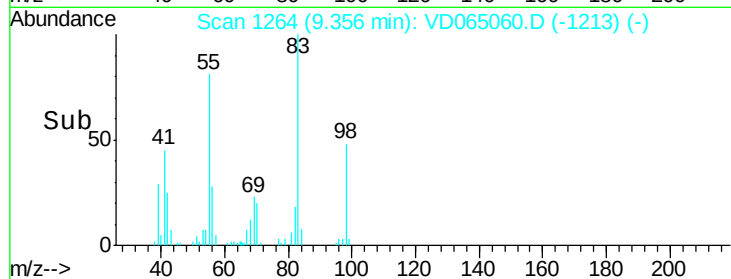
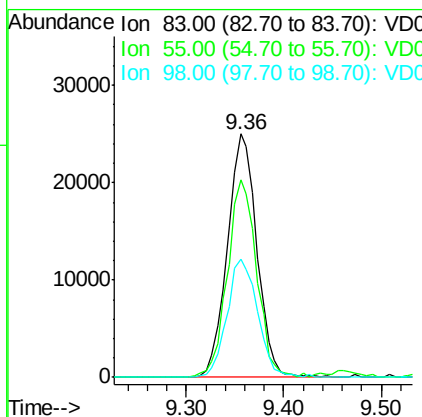
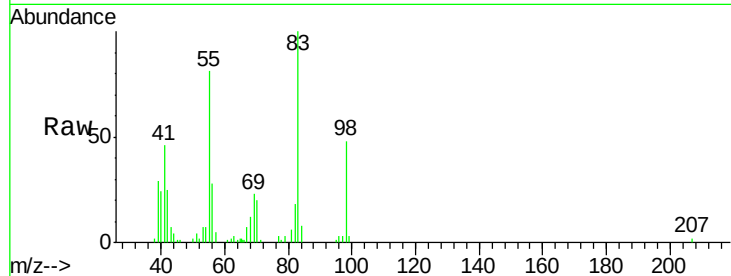
#39
Methylvlcyclohexane
Concen: 4.861 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	62.0	93.0
98	48.3	39.9	59.9

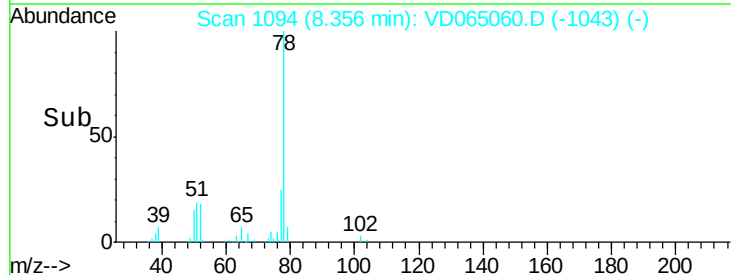
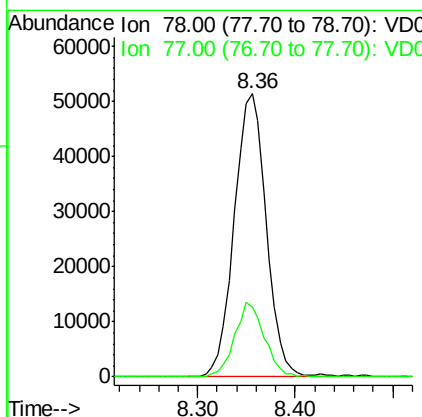
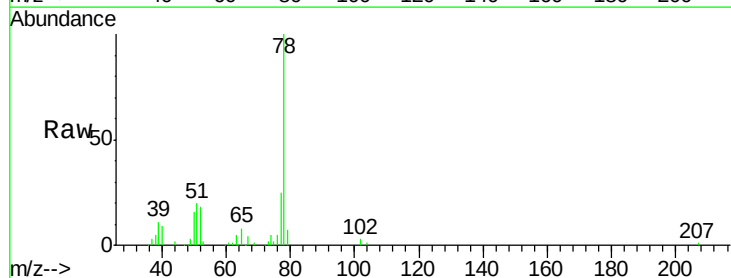
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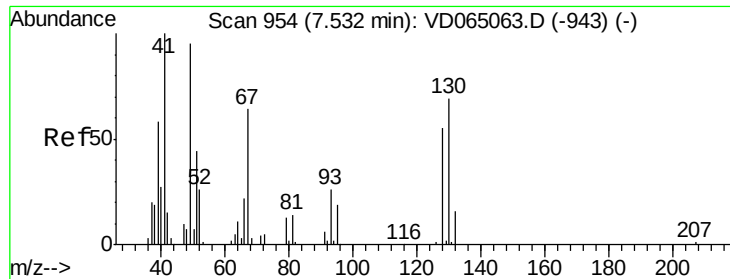
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2/6/2020 10:37:04 AM



#40
Benzene
Concen: 4.673 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





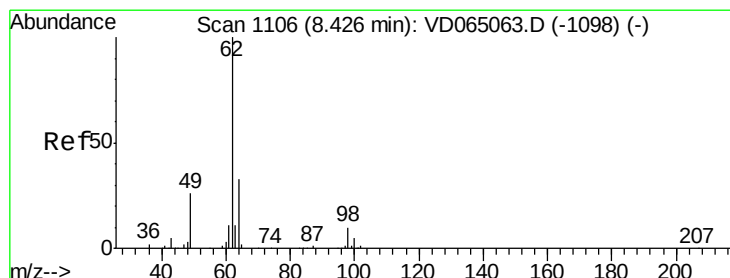
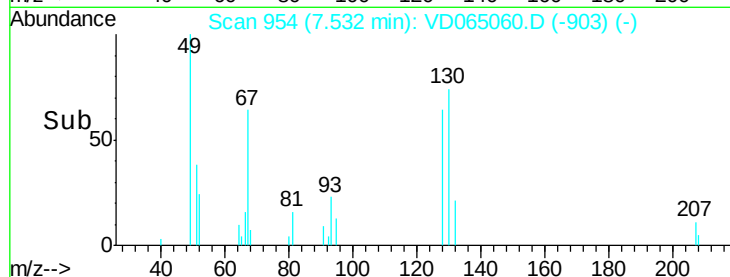
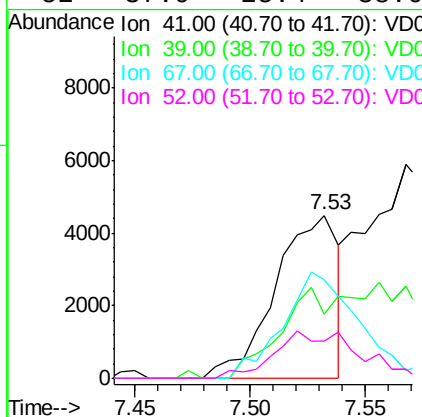
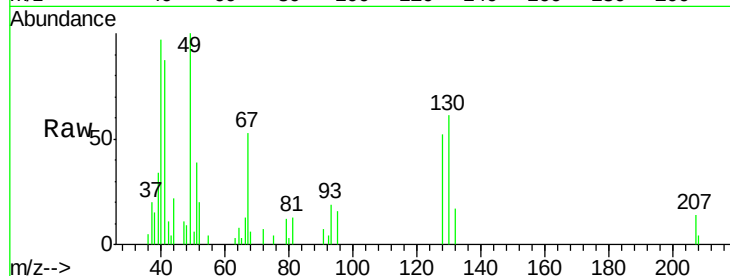
#41
Methacrylonitrile
Concen: 4.294 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	40.4	55.4	83.0#
67	79.3	59.0	88.6
52	37.9	25.4	38.0

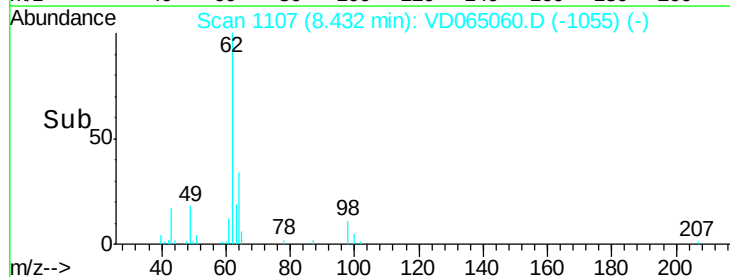
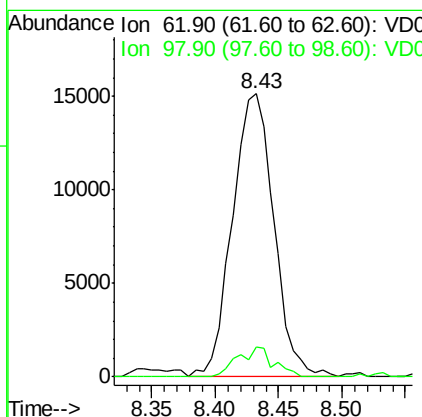
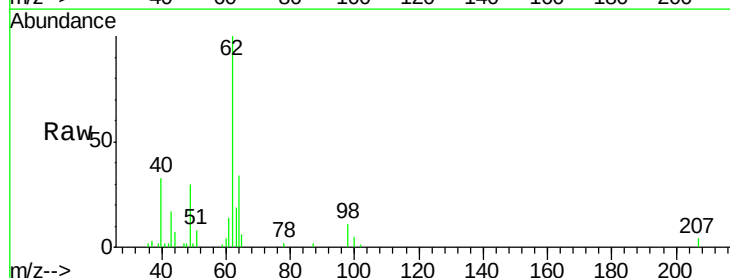
Manual Integrations
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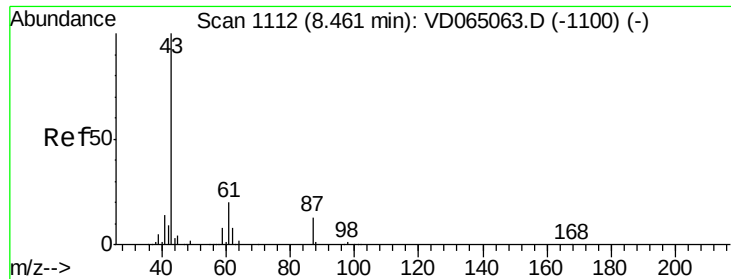
MMDadoda
2/6/2020 10:37:04 AM



#42
1,2-Dichloroethane
Concen: 4.608 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





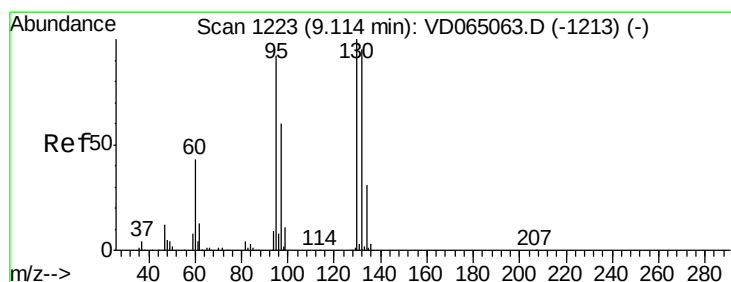
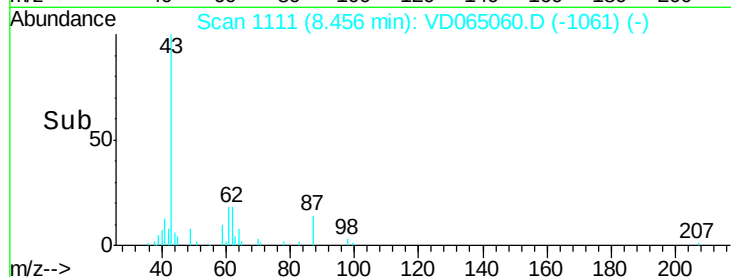
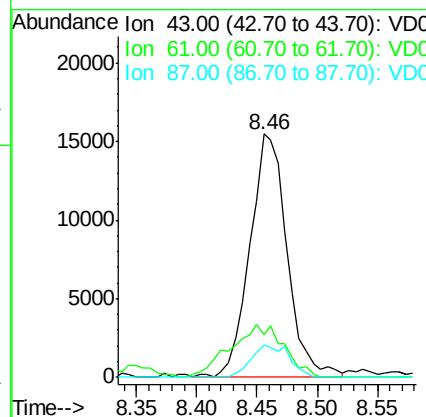
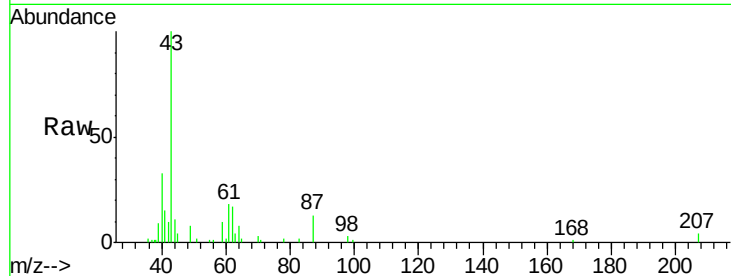
#43
Isopropyl Acetate
Concen: 4.660 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.0	36.0
87	13.5	10.2	15.4

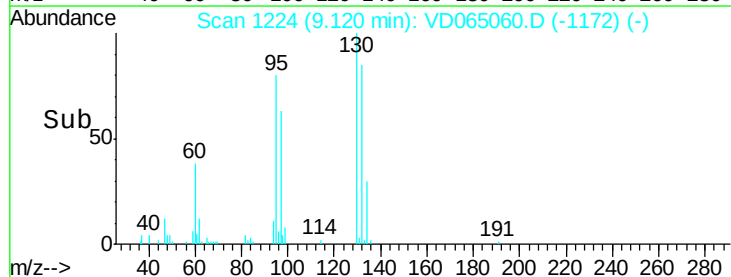
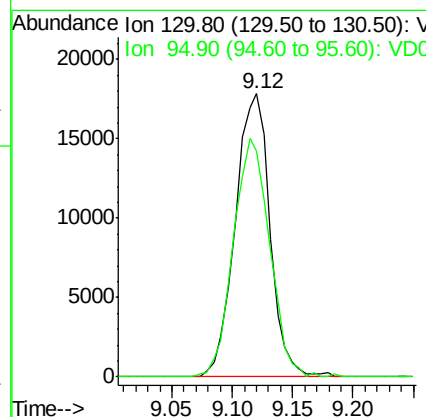
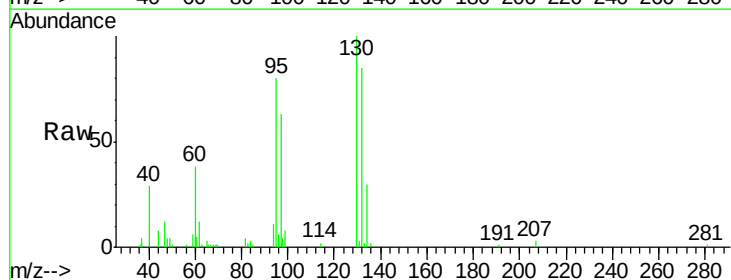
Manual Integrations
APPROVED

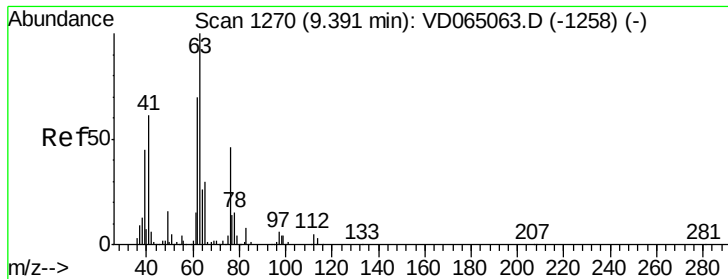
MMDadoda
2/6/2020 10:37:04 AM



#44
Trichloroethene
Concen: 5.034 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.7	0.0	185.0





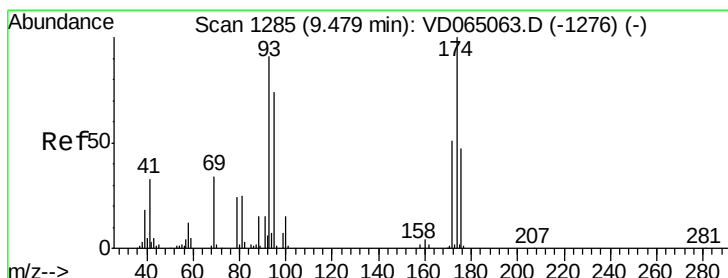
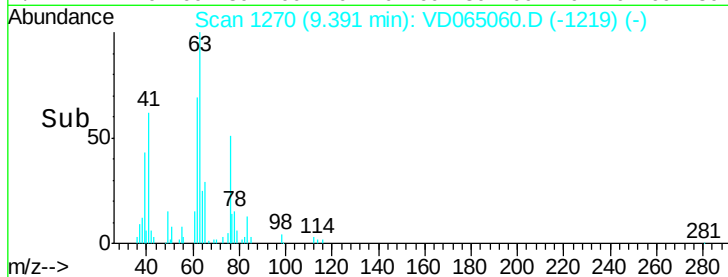
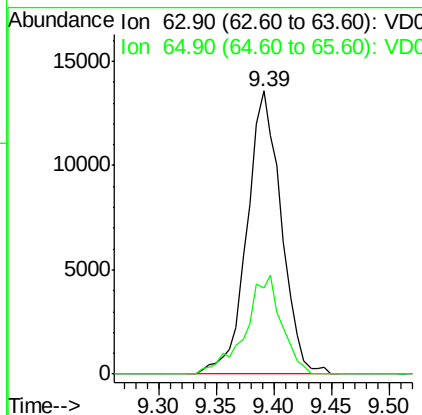
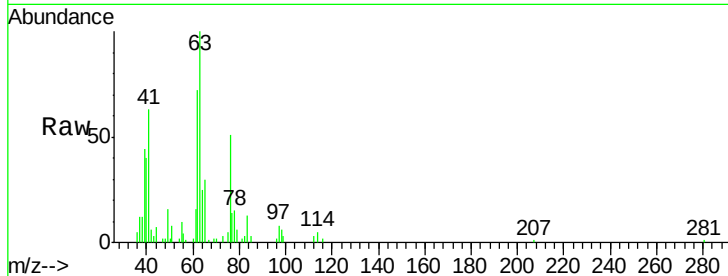
#45
 1,2-Dichloropropane
 Concen: 4.584 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.9	35.9

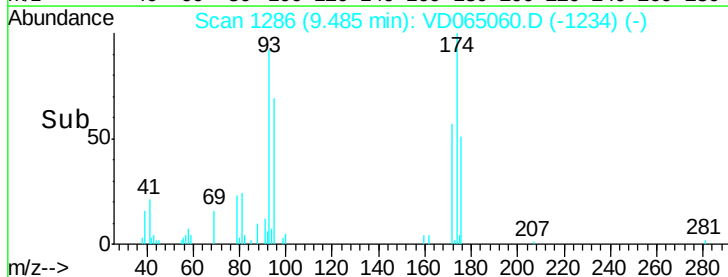
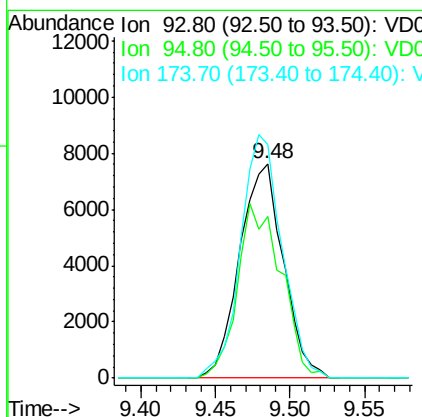
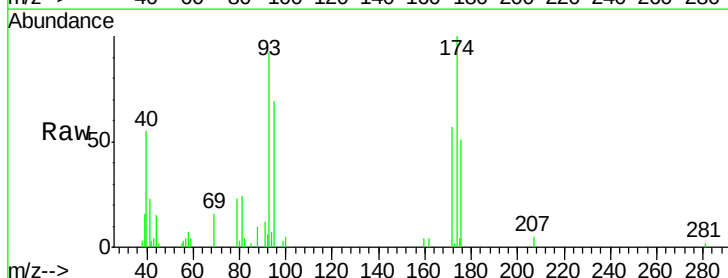
Manual Integrations
 APPROVED

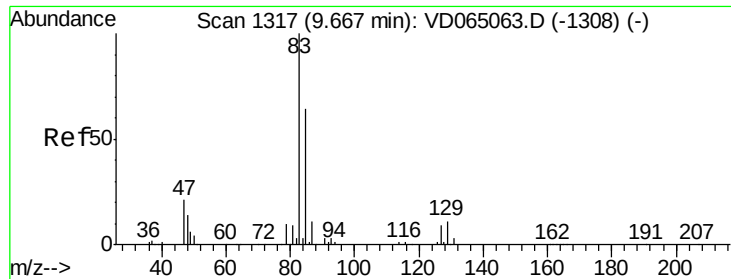
MMDadoda
 2/6/2020 10:37:04 AM



#46
 Dibromomethane
 Concen: 4.674 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.5	99.7
174	107.8	89.8	134.8





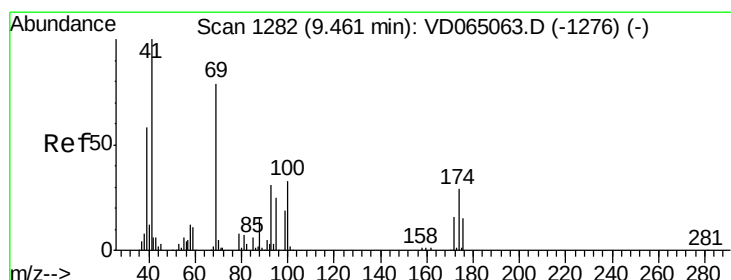
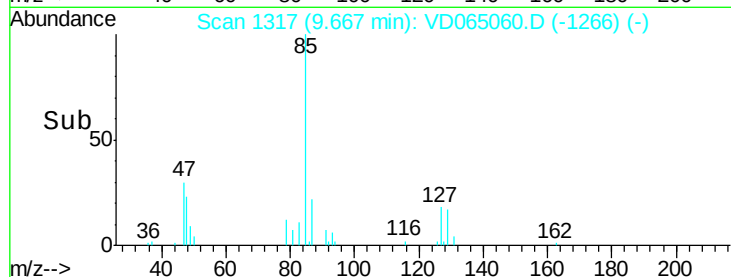
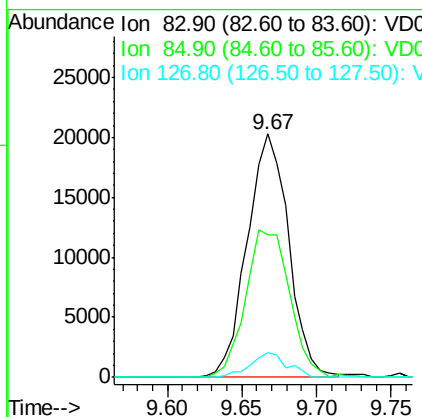
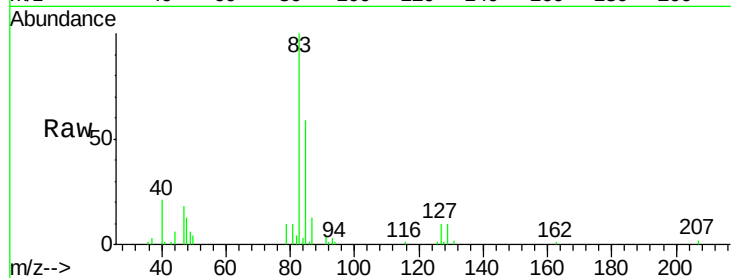
#47
Bromodichloromethane
Concen: 4.516 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	38982
Ion Ratio	100	Lower	Upper
83	100		
85	58.7	51.0	76.6
127	10.3	7.3	10.9

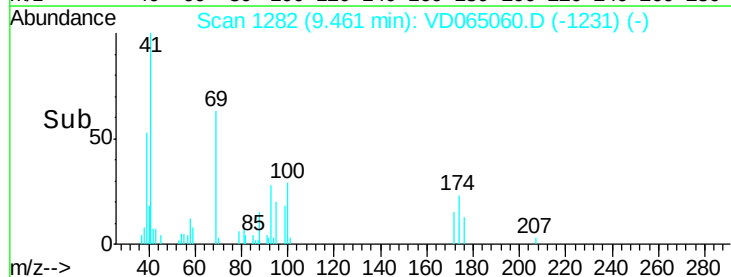
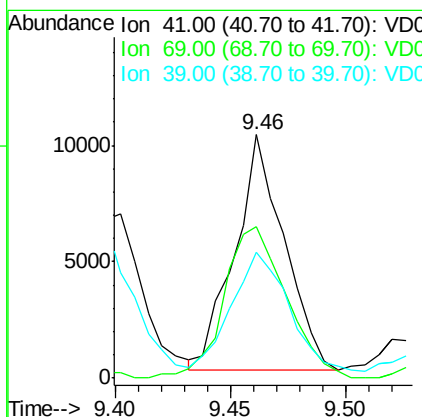
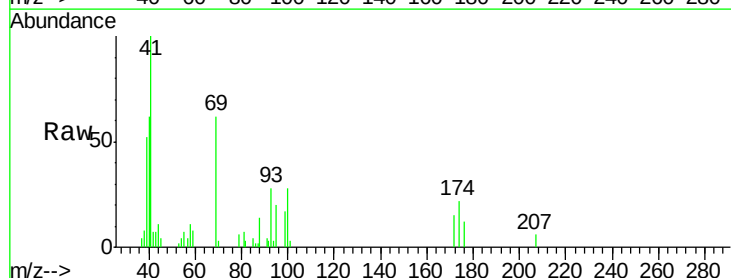
Manual Integrations
APPROVED

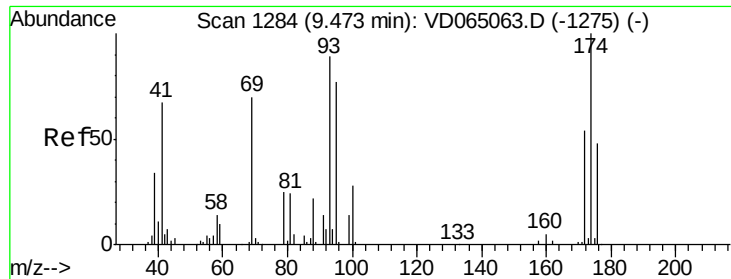
MMDadoda
2/6/2020 10:37:04 AM



#48
Methyl methacrylate
Concen: 4.614 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	41	Resp	15192
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	67.5	101.3
39	59.2	47.0	70.4





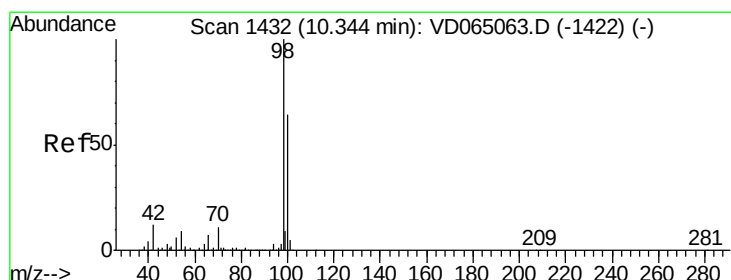
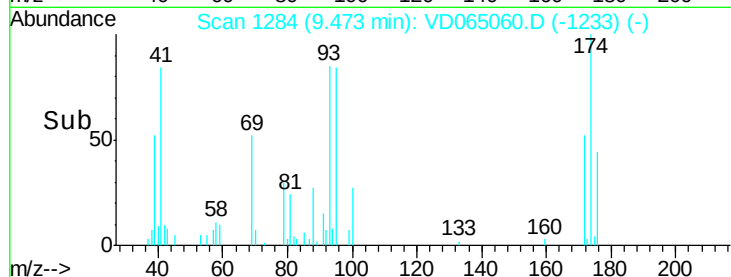
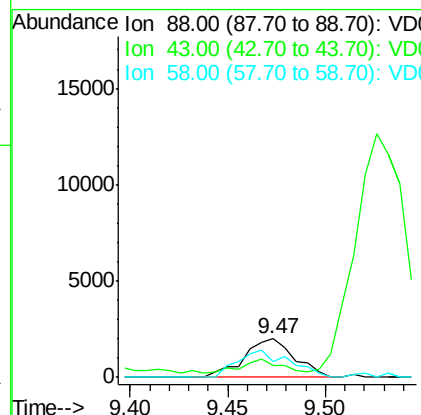
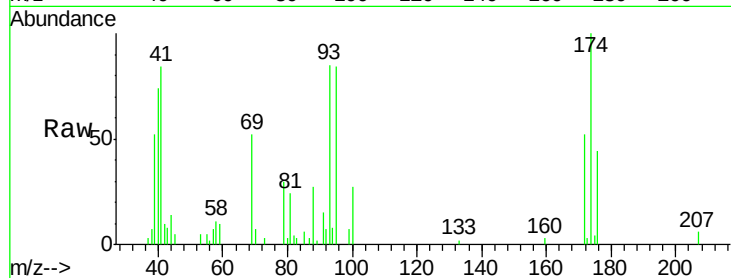
#49
1,4-Dioxane
Concen: 93.810 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	3575
Ion	Ratio	Lower	Upper
88	100		
43	25.8	27.7	41.5#
58	72.1	55.5	83.3

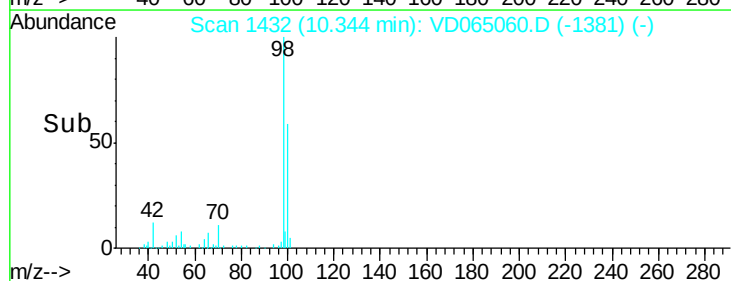
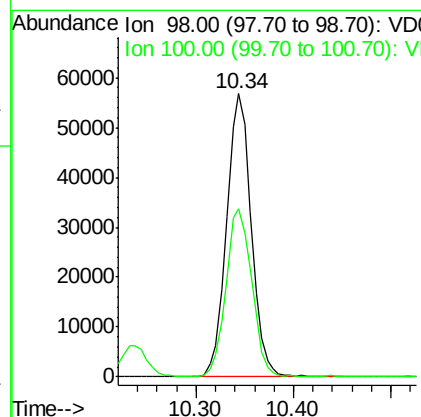
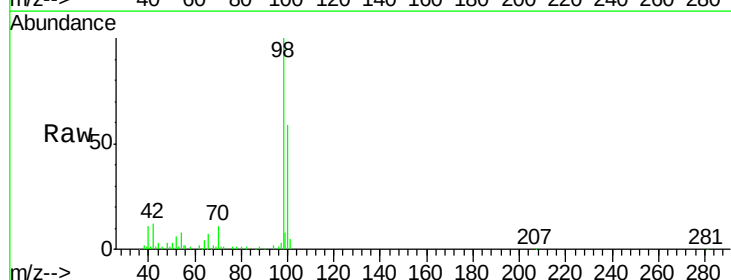
Manual Integrations
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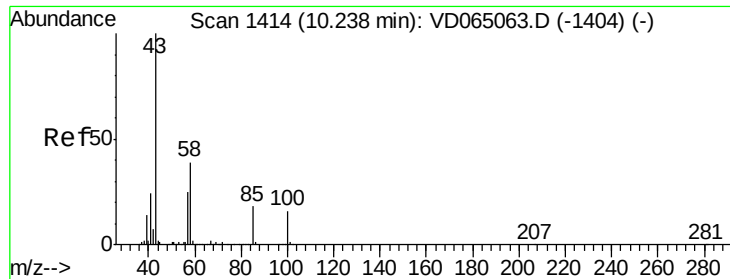
MMDadoda
2/6/2020 10:37:04 AM



#50
Toluene-d8
Concen: 4.386 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	98	Resp	99622
Ion	Ratio	Lower	Upper
98	100		
100	62.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 22.510 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 80086

Ion Ratio Lower Upper

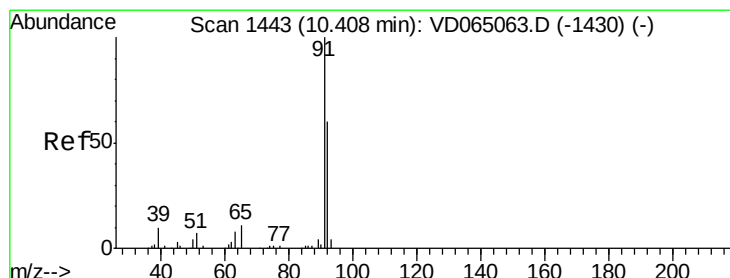
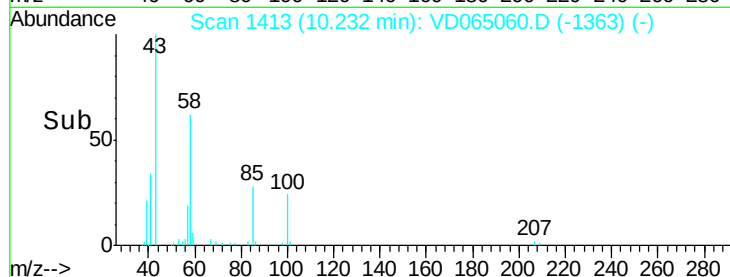
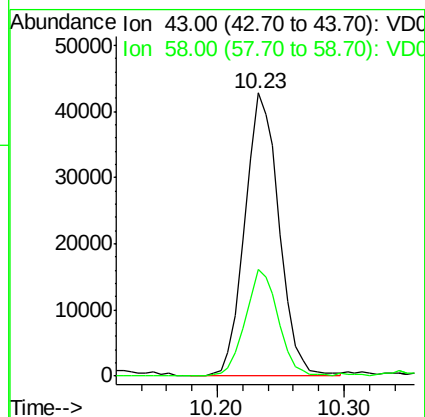
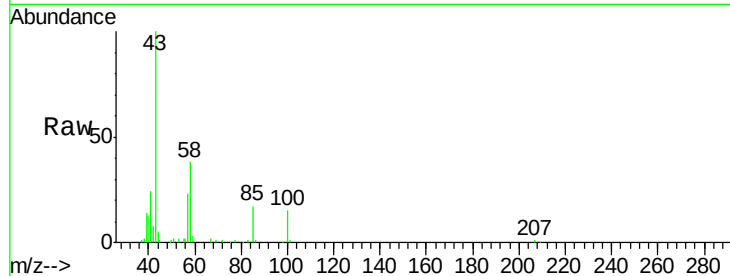
43 100

58 36.4 30.2 45.2

Manual Integrations
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MMDadoda

2/6/2020 10:37:04 AM



#52

Toluene

Concen: 4.501 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065060.D

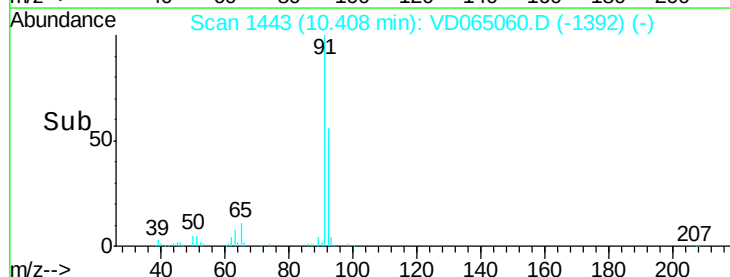
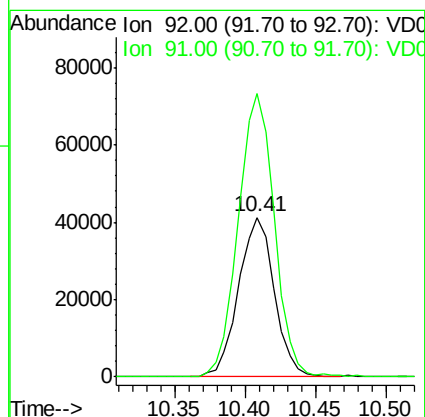
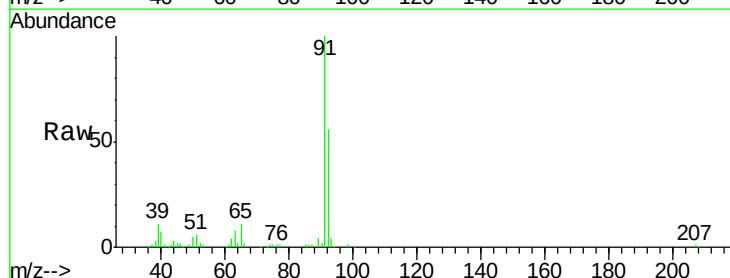
Acq: 05 Feb 2020 12:03

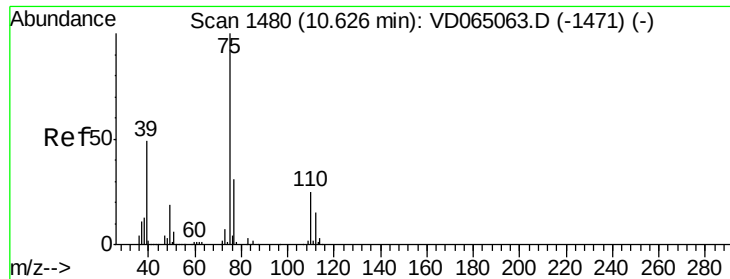
Tgt Ion: 92 Resp: 73185

Ion Ratio Lower Upper

92 100

91 179.8 135.3 202.9





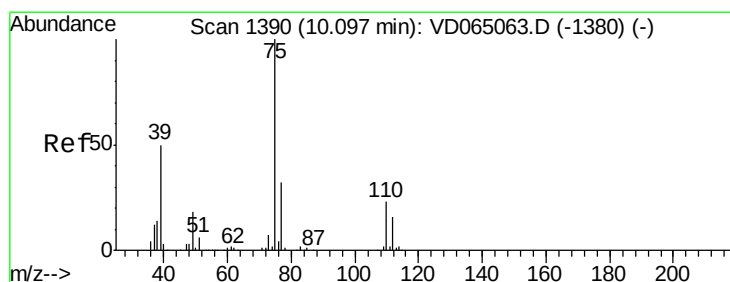
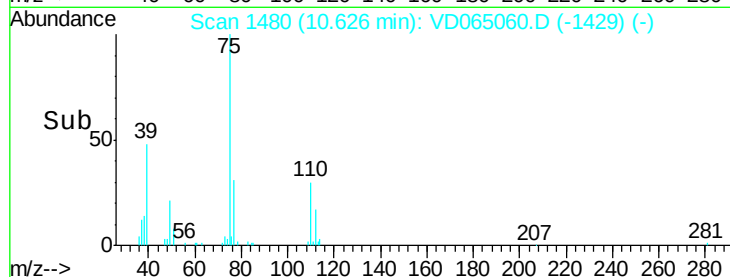
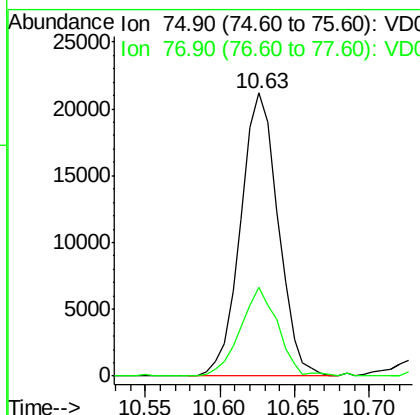
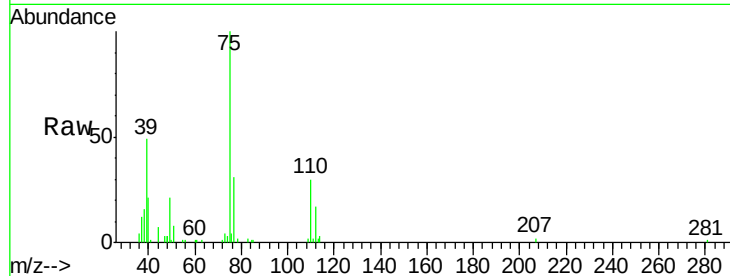
#53
t-1,3-Dichloropropene
Concen: 4.488 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

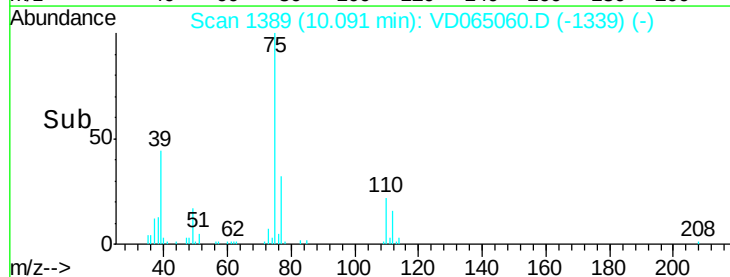
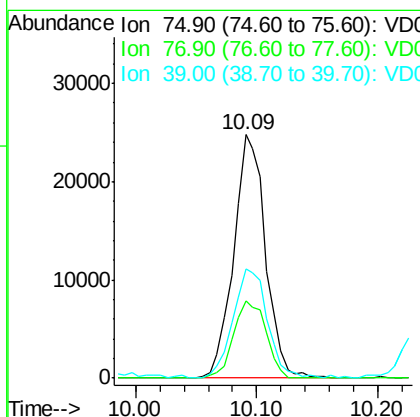
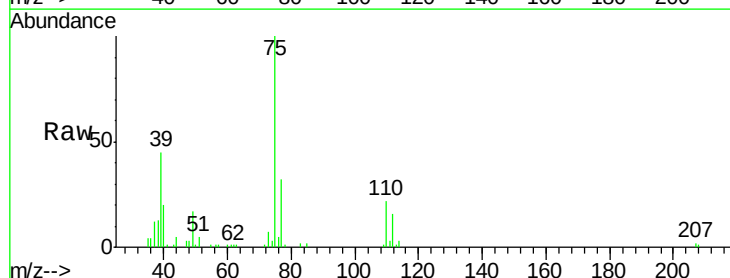
Manual Integrations
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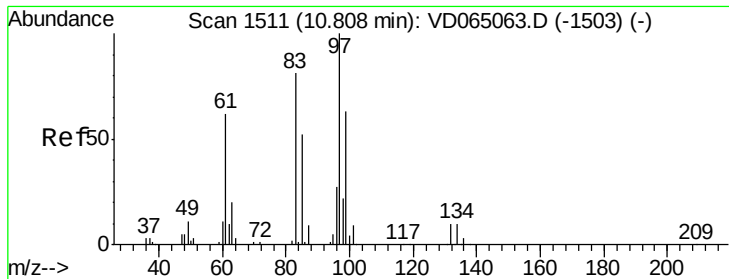
MMDadoda
2/6/2020 10:37:04 AM



#54
cis-1,3-Dichloropropene
Concen: 4.691 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	44.9	40.3	60.5





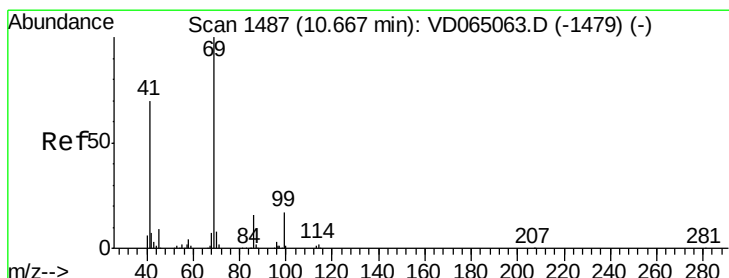
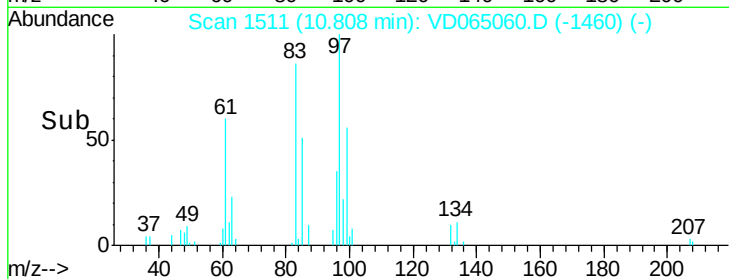
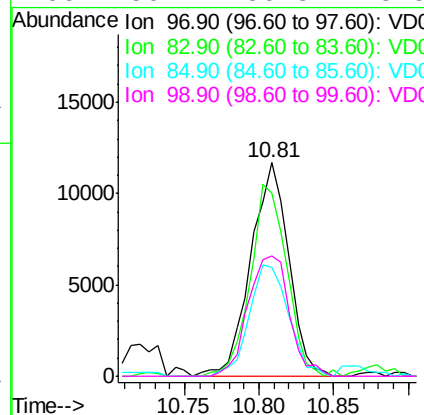
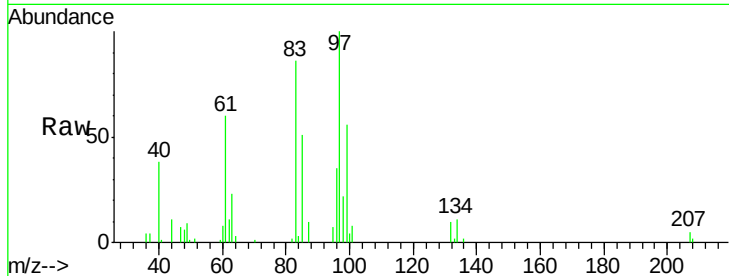
#55
 1,1,2-Trichloroethane
 Concen: 4.611 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		20576		
83	85.9	64.8	97.2		
85	51.2	41.2	61.8		
99	56.4	50.3	75.5		

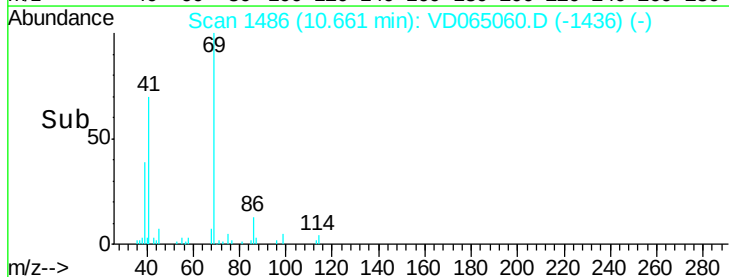
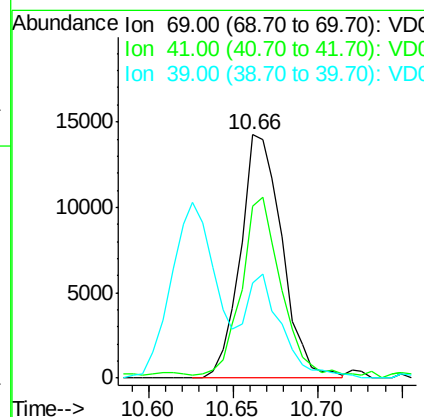
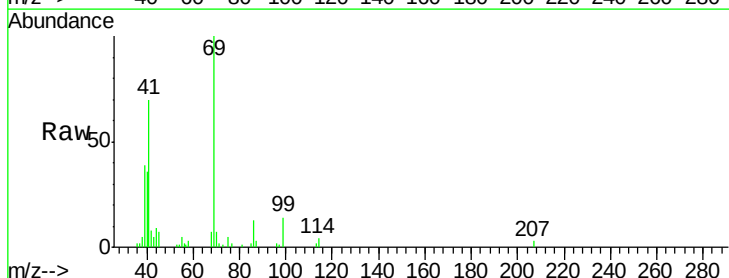
Manual Integrations
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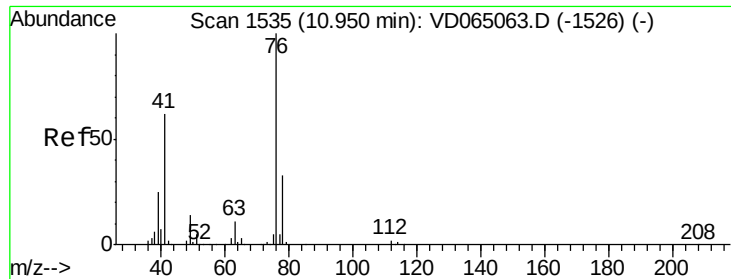
MMDadoda
 2/6/2020 10:37:04 AM



#56
 Ethyl methacrylate
 Concen: 4.566 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		24451		
41	72.8	55.9	83.9		
39	37.6	29.4	44.0		





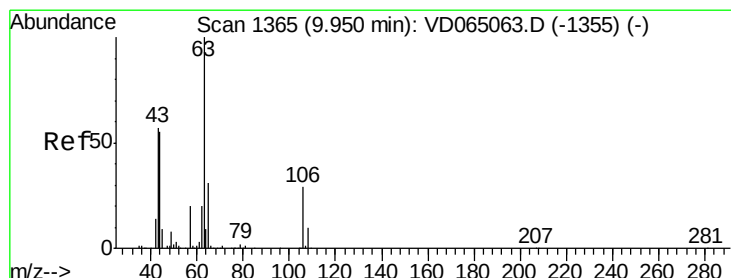
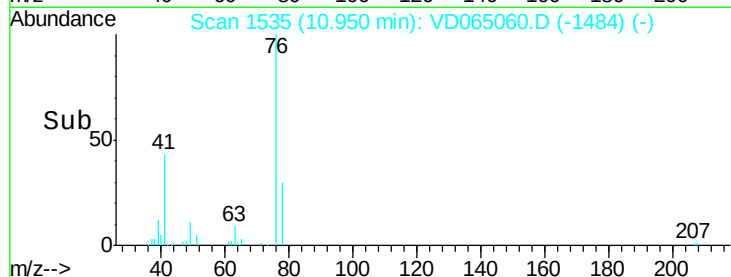
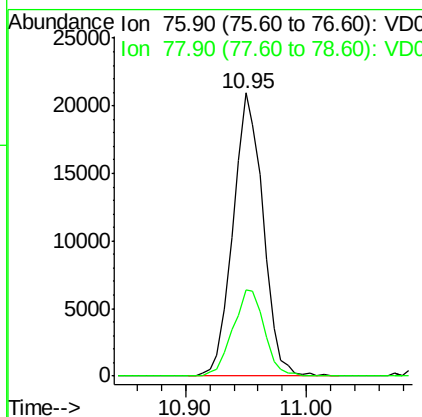
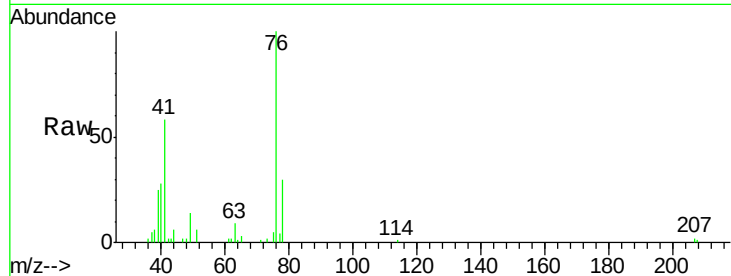
#57
 1,3-Dichloropropane
 Concen: 4.740 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 36345
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

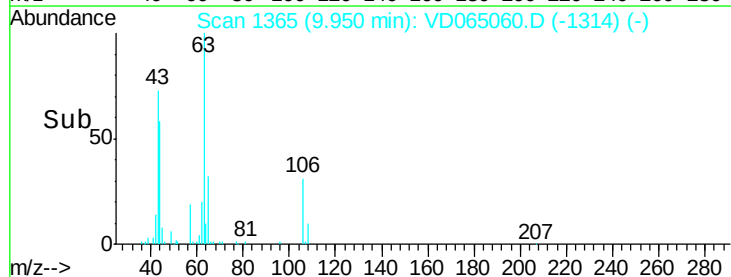
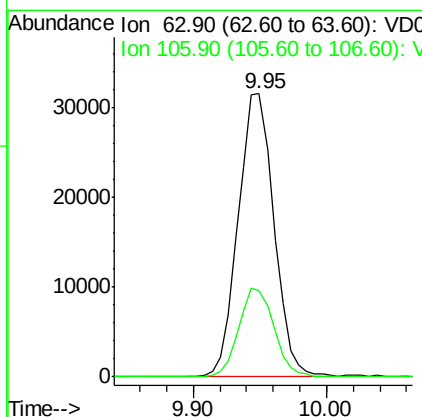
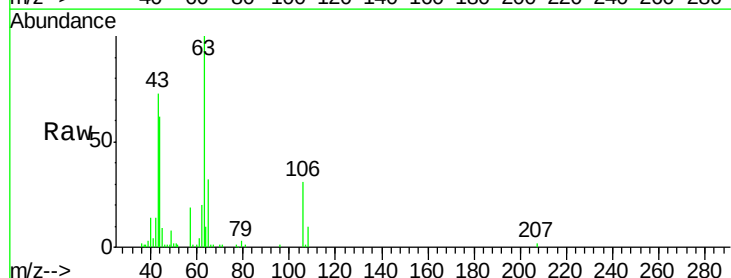
Manual Integrations
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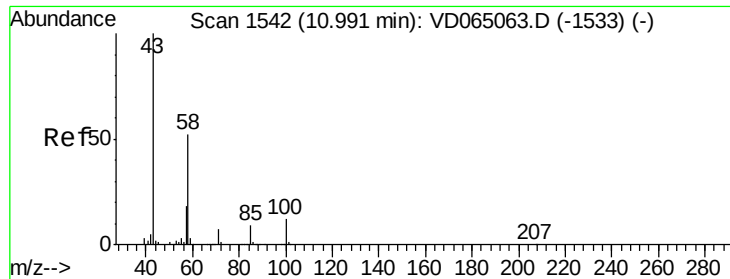
MMDadoda
 2/6/2020 10:37:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.445 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 63 Resp: 58650
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.3 34.9





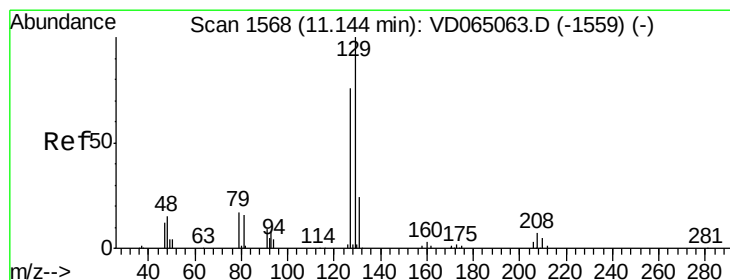
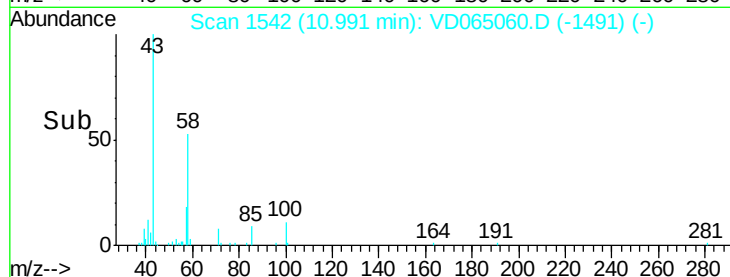
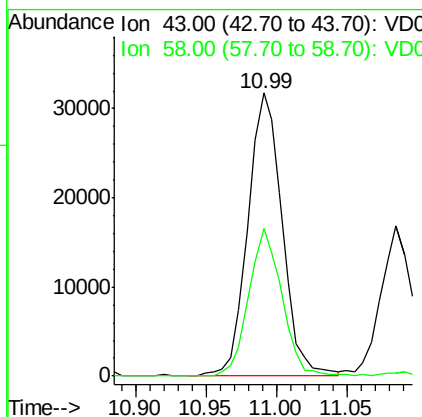
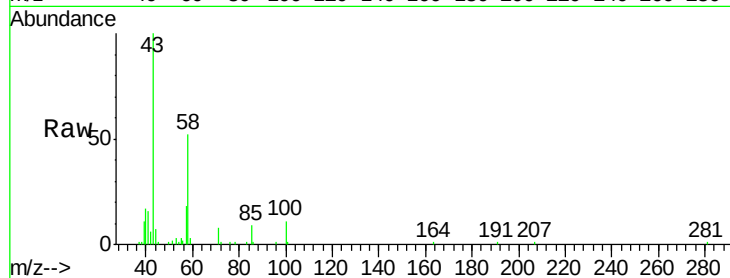
#59
2-Hexanone
Concen: 22.099 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 54418
Ion Ratio Lower Upper
43 100
58 50.4 26.2 78.6

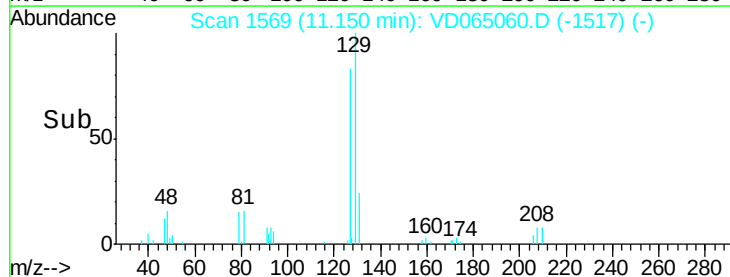
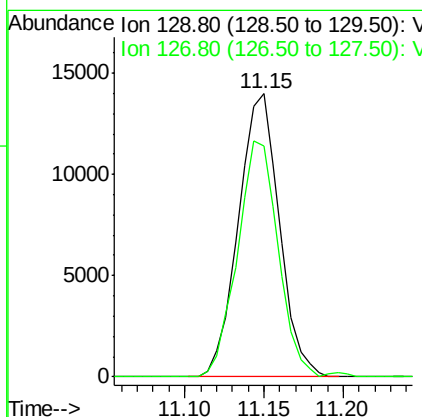
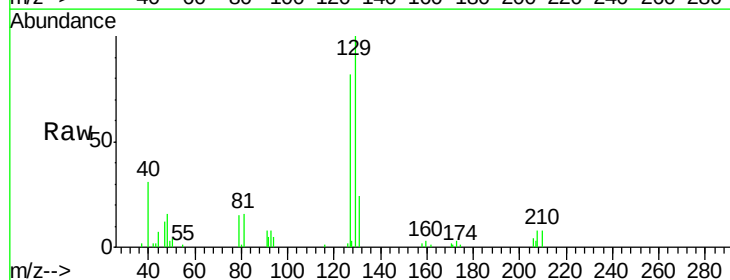
Manual Integrations
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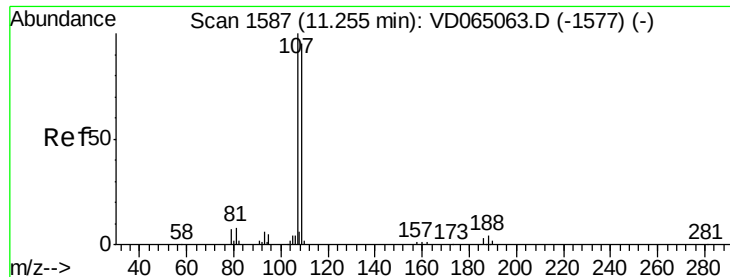
MMDadoda
2/6/2020 10:37:04 AM



#60
Dibromochloromethane
Concen: 4.222 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 129 Resp: 25105
Ion Ratio Lower Upper
129 100
127 82.5 38.3 114.9





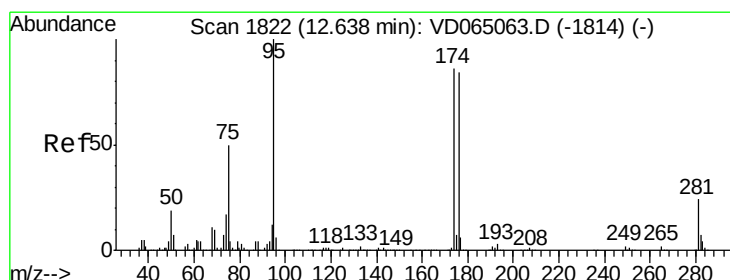
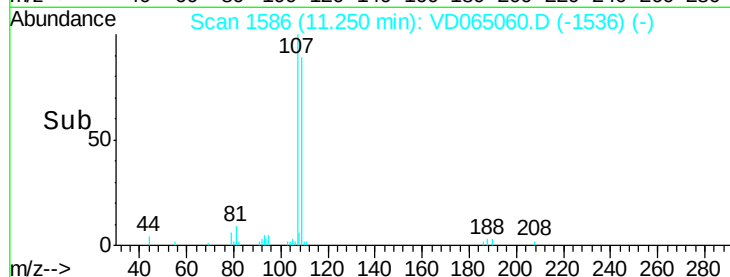
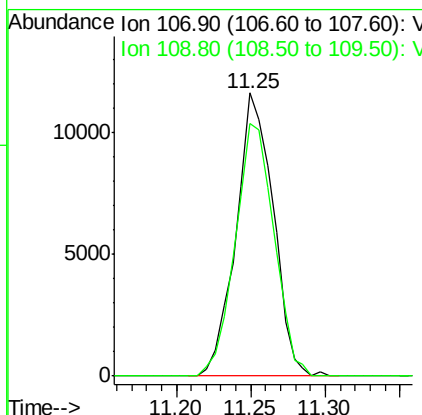
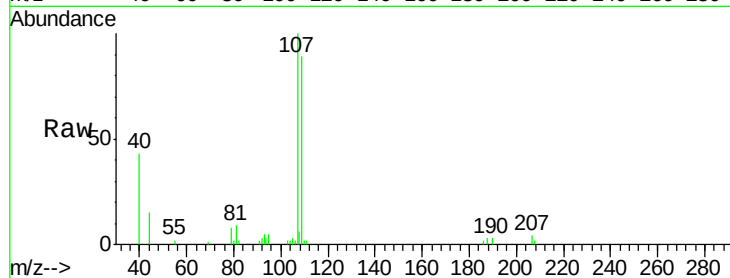
#61
 1,2-Dibromoethane
 Concen: 4.670 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.5	113.3

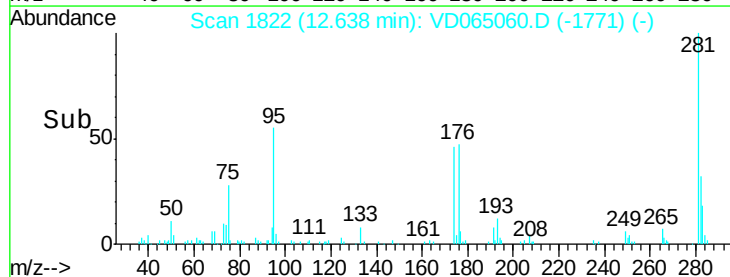
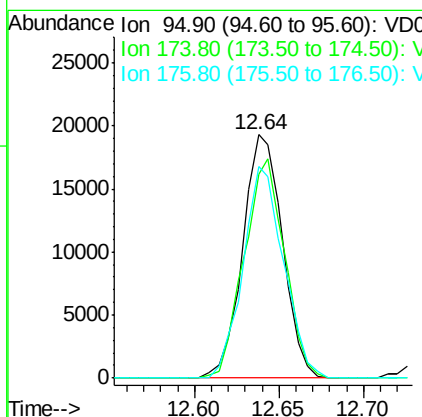
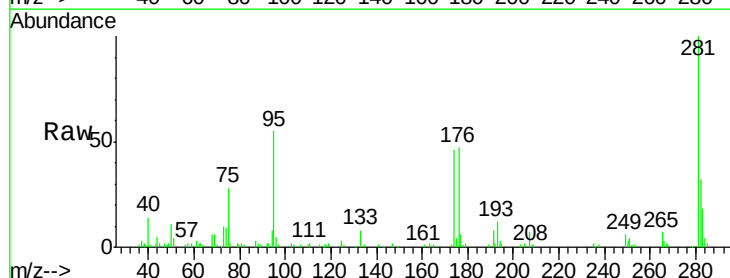
Manual Integrations
 APPROVED

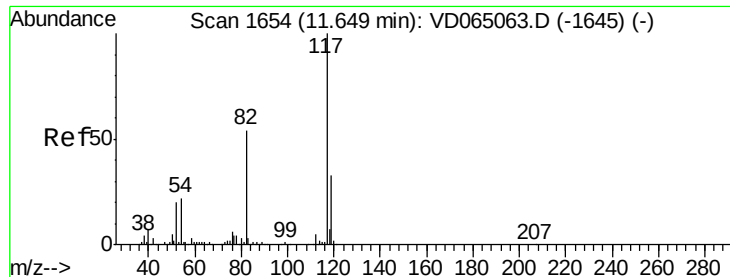
MMDadoda
 2/6/2020 10:37:04 AM



#62
 4-Bromofluorobenzene
 Concen: 4.507 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	180.0
176	88.9	0.0	173.2





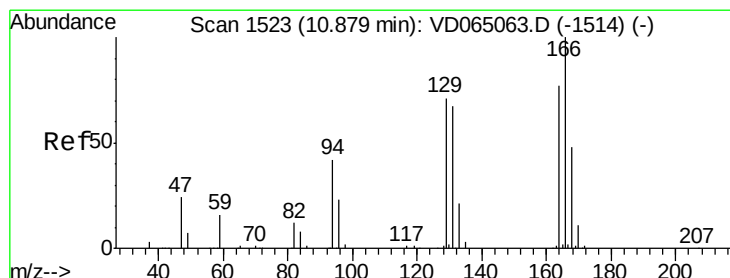
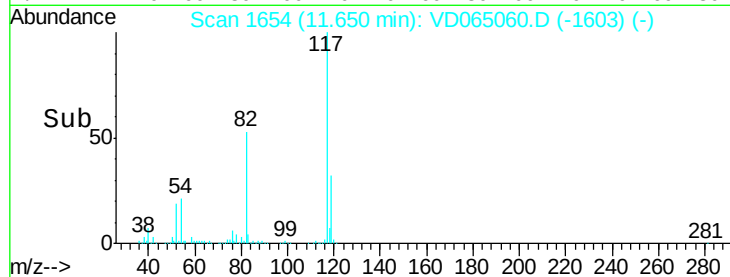
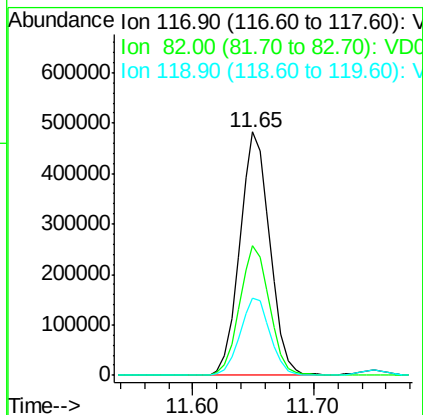
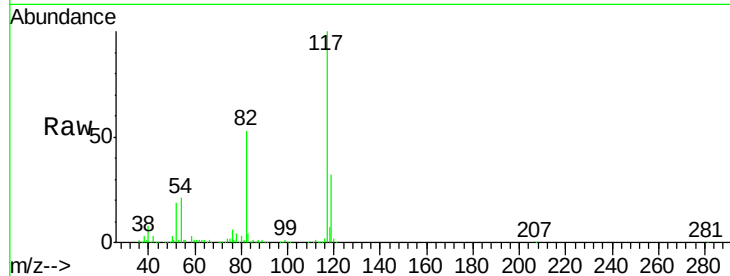
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.1	64.7
119	31.6	26.0	39.0

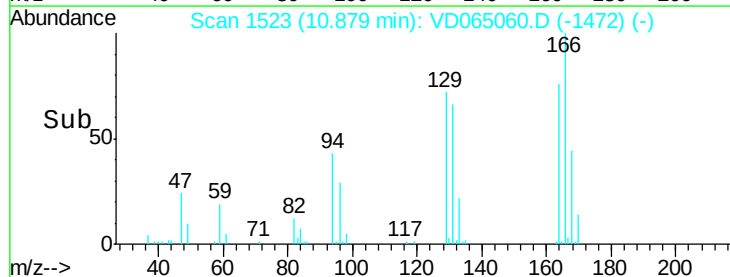
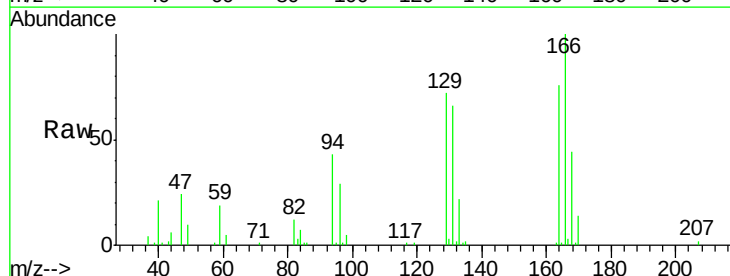
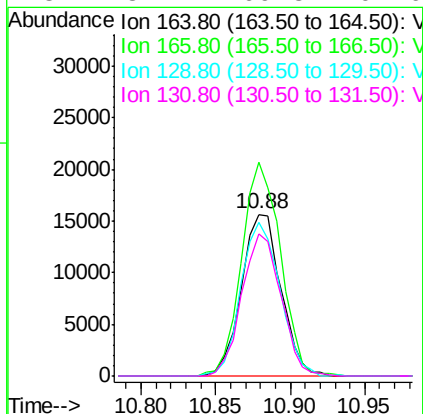
Manual Integrations
APPROVED

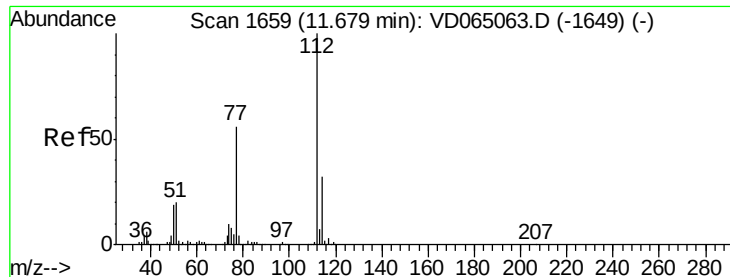
MMDadoda
2/6/2020 10:37:04 AM



#64
Tetrachloroethene
Concen: 4.733 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	103.5	155.3
129	95.1	73.3	109.9
131	87.7	69.8	104.6





#65

Chlorobenzene

Concen: 4.556 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 77419

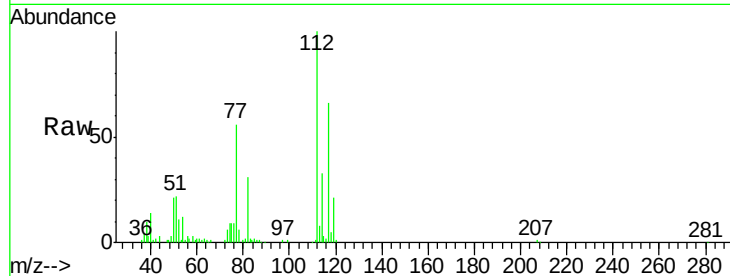
Ion Ratio Lower Upper

112 100

114 32.9 25.4 38.0

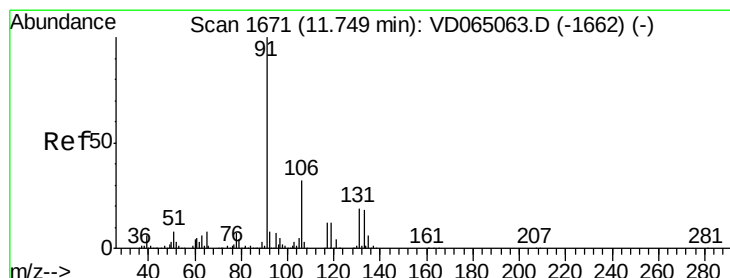
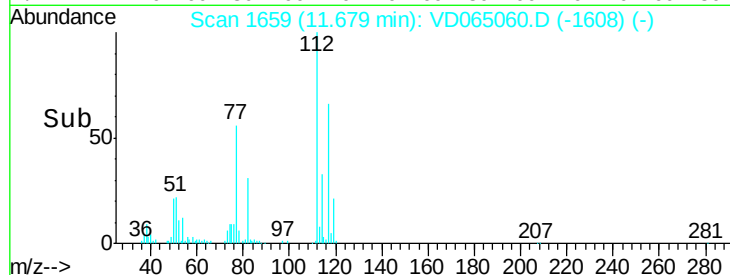
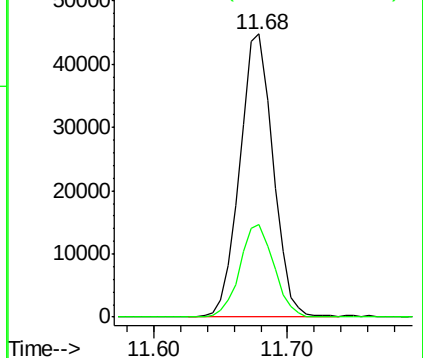
Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:04 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.413 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

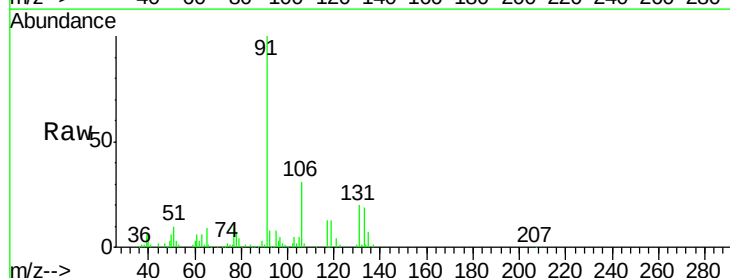
Tgt Ion:131 Resp: 28073

Ion Ratio Lower Upper

131 100

133 97.9 47.7 143.1

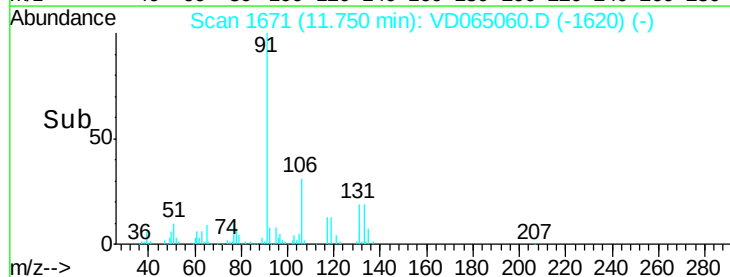
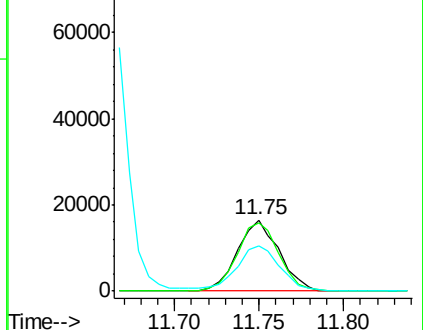
119 68.0 31.3 93.8

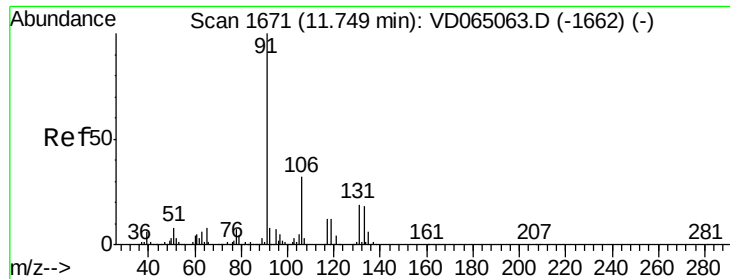


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





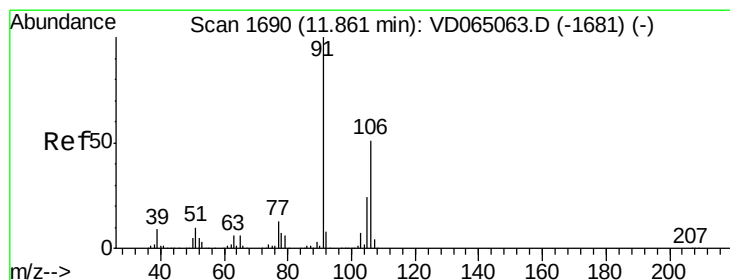
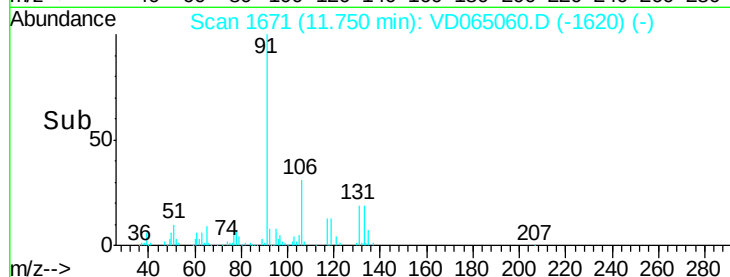
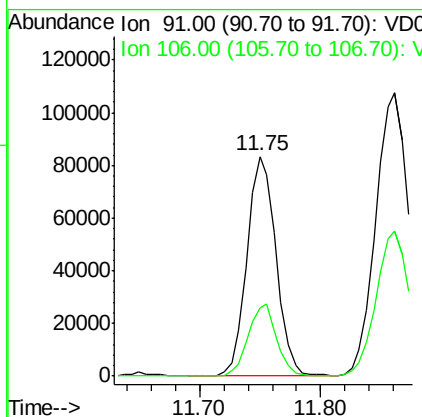
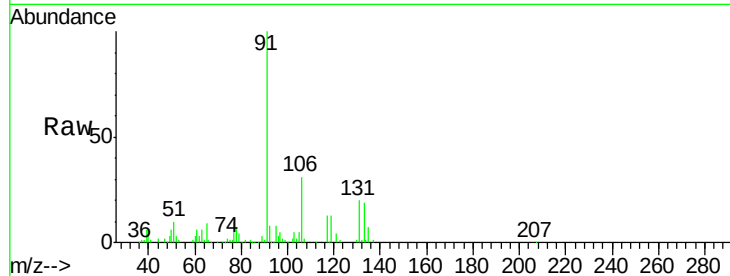
#67
Ethyl Benzene
Concen: 4.659 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

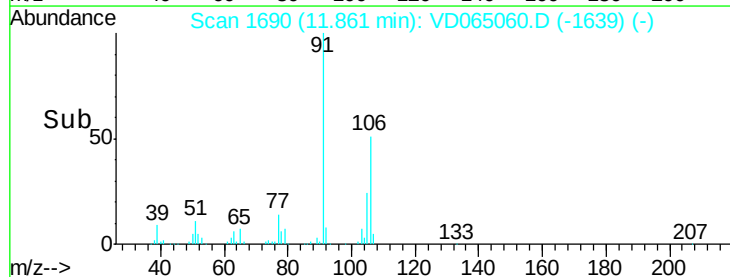
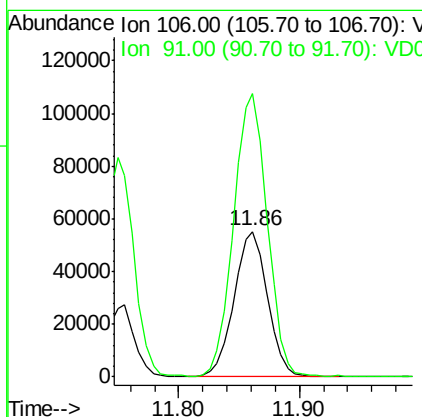
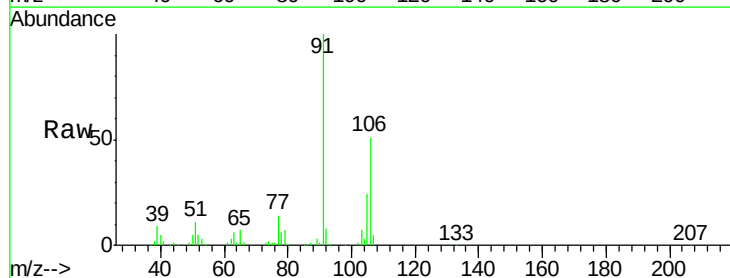
Manual Integrations
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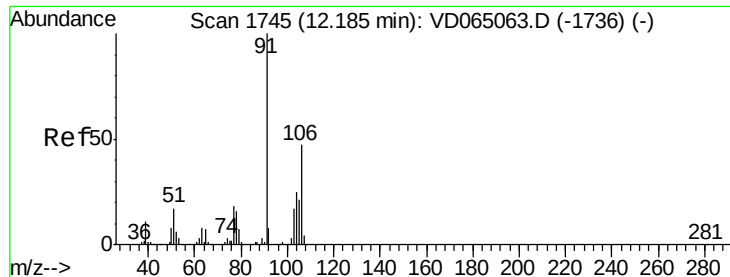
MMDadoda
2/6/2020 10:37:04 AM



#68
m/p-Xylenes
Concen: 9.195 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.3	158.9	238.3





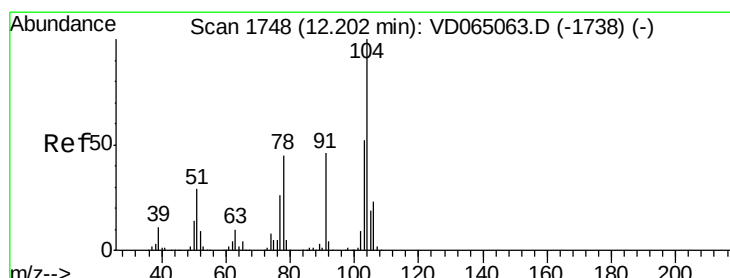
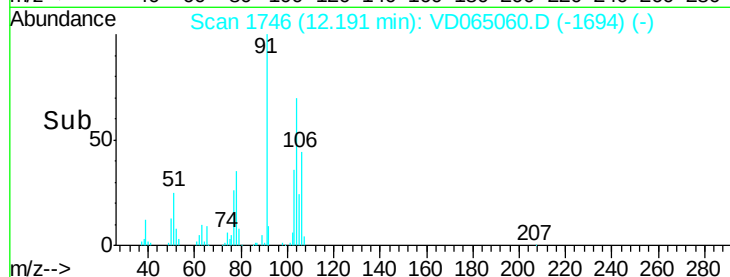
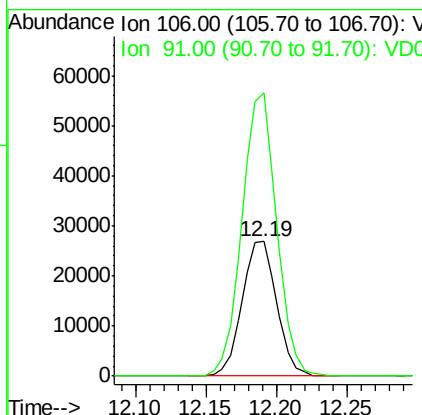
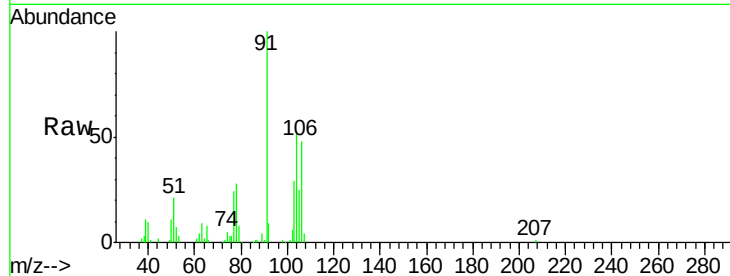
#69
o-Xylene
Concen: 4.487 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 46277
Ion Ratio Lower Upper
106 100
91 209.9 104.7 313.9

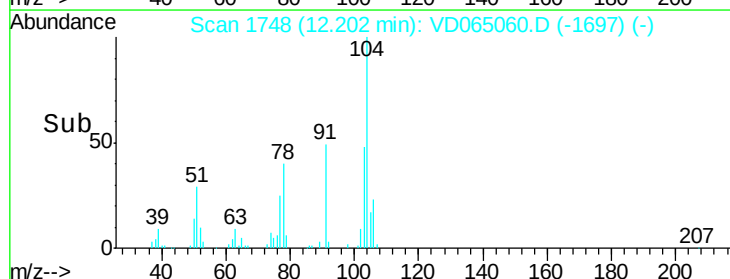
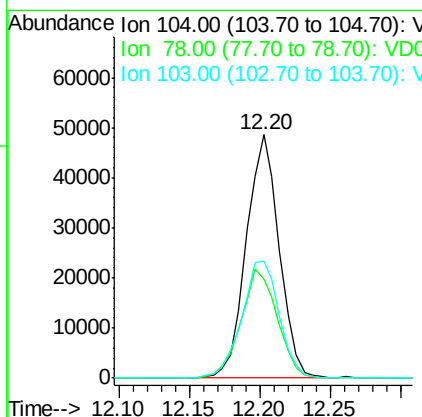
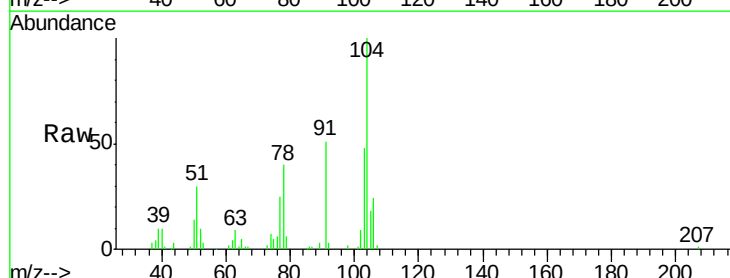
Manual Integrations
APPROVED

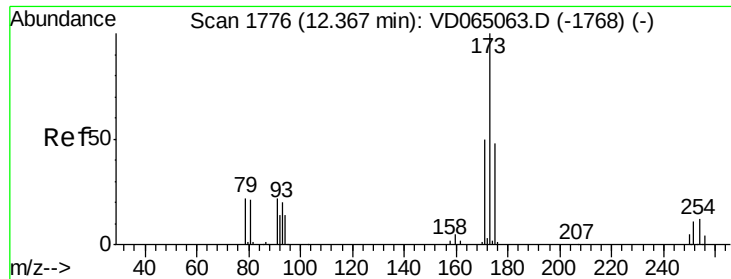
MMDadoda
2/6/2020 10:37:04 AM



#70
Styrene
Concen: 4.350 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion:104 Resp: 79388
Ion Ratio Lower Upper
104 100
78 49.3 38.5 57.7
103 54.5 43.8 65.8





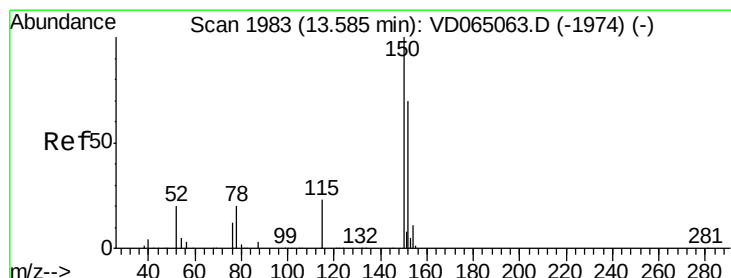
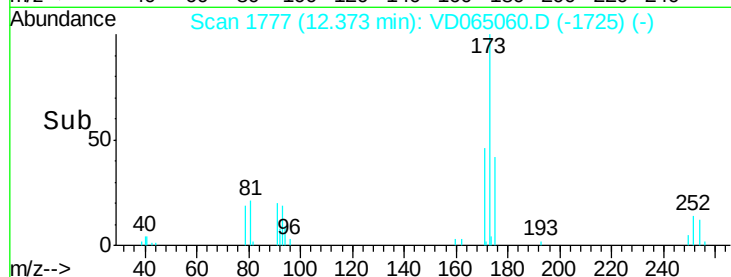
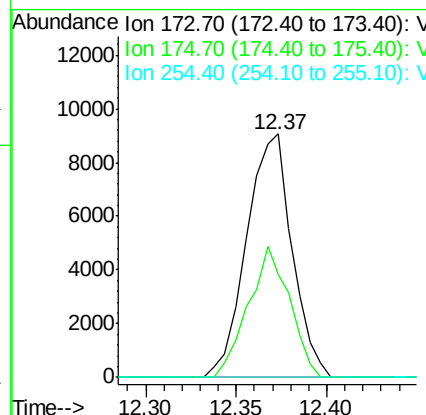
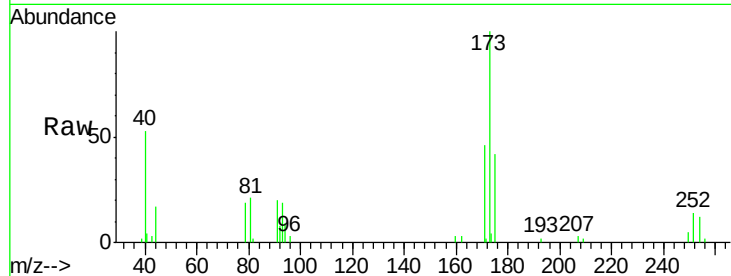
#71
Bromoform
Concen: 4.516 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.1	0.1

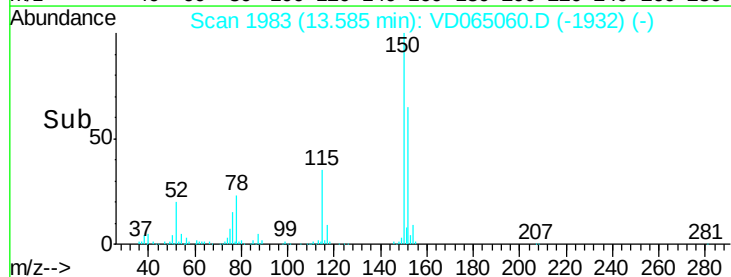
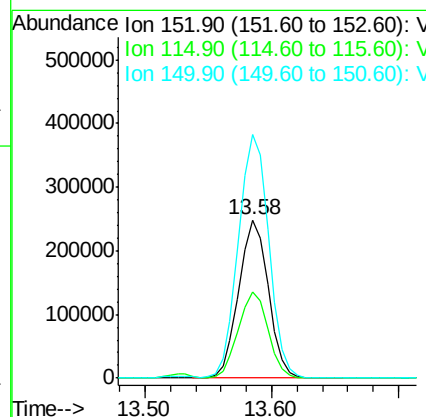
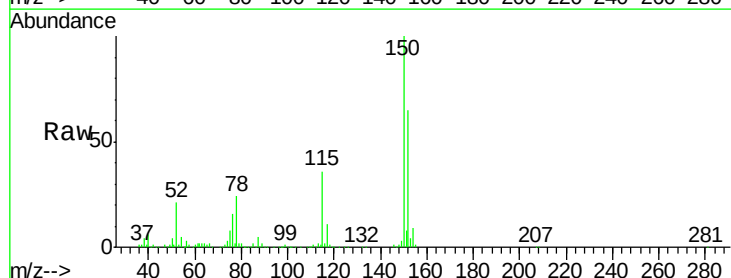
Manual Integrations
APPROVED

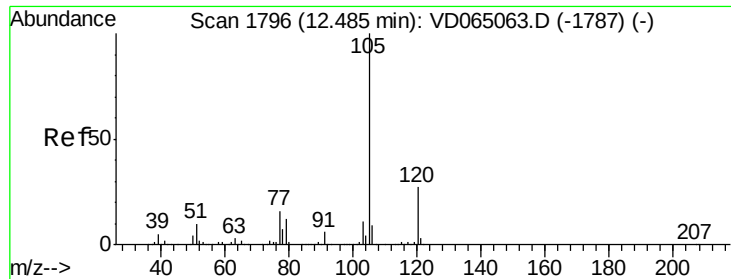
MMDadoda
2/6/2020 10:37:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.5	82.4
150	158.5	0.0	343.2





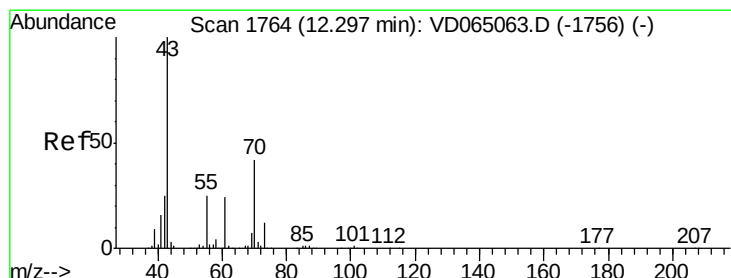
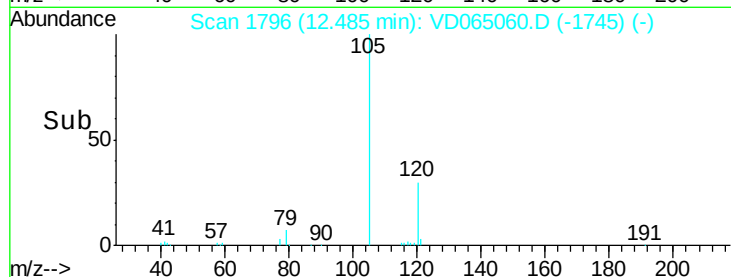
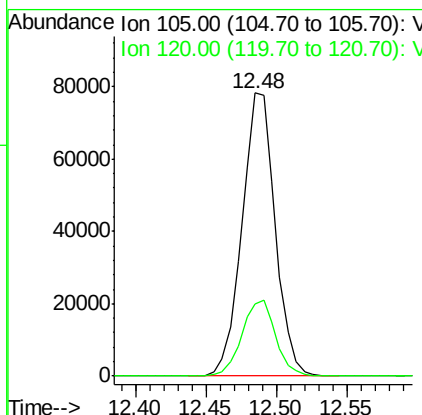
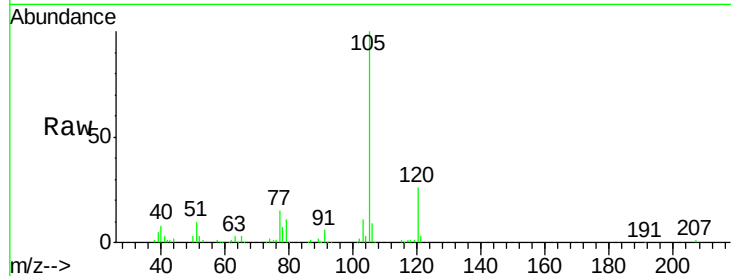
#73
Isopropylbenzene
Concen: 4.678 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	128631		
120	27.1	13.3	39.9	

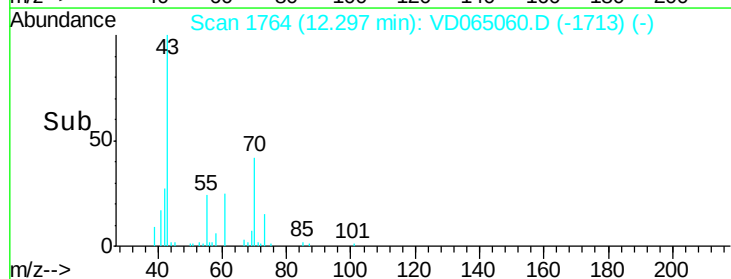
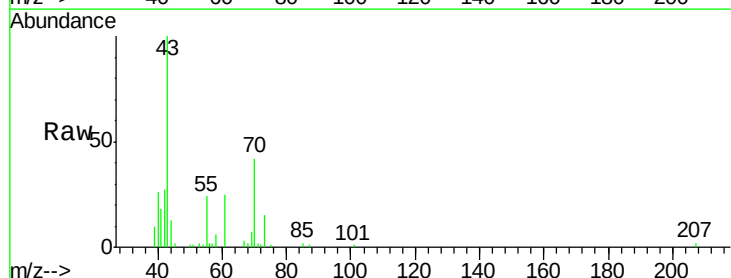
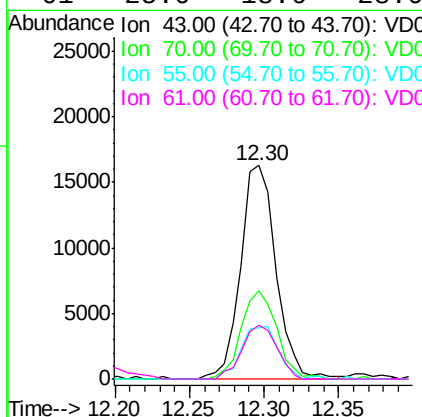
Manual Integrations
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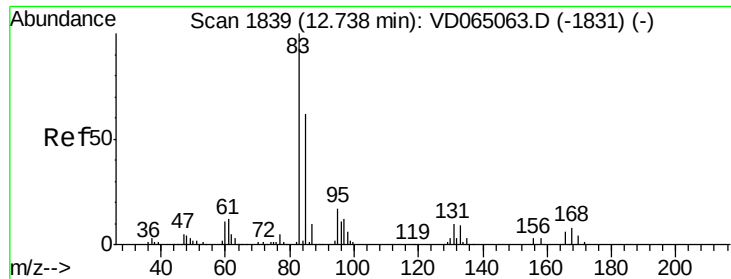
MMDadoda
2/6/2020 10:37:04 AM



#74
N-ethyl acetate
Concen: 4.365 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	26700		
70	41.9	33.5	50.3	
55	26.0	19.4	29.2	
61	25.0	18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 4.766 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

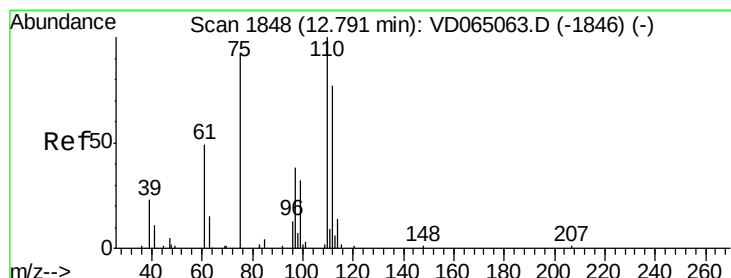
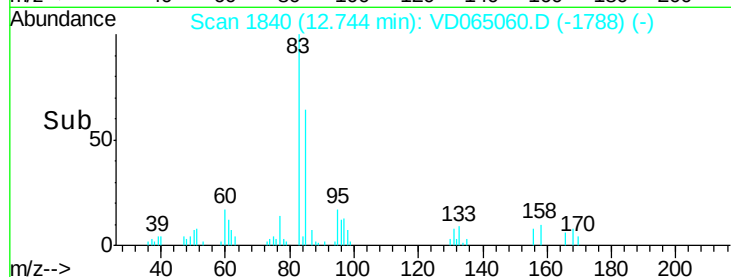
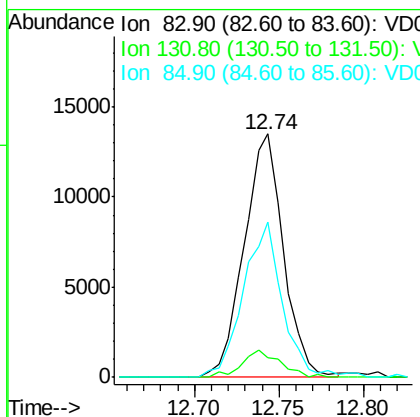
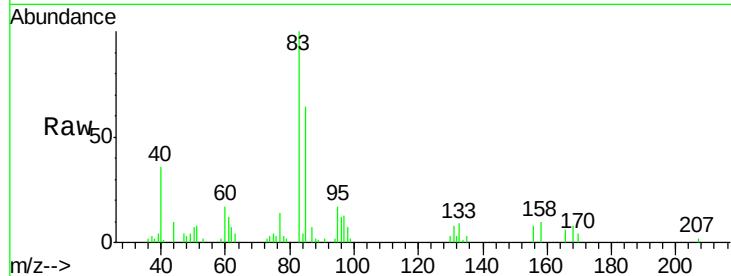
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21799
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	63.7	31.8	95.4

Manual Integrations
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MMDadoda
2/6/2020 10:37:04 AM



#76

1,2,3-Trichloropropane

Concen: 4.782 ug/l m

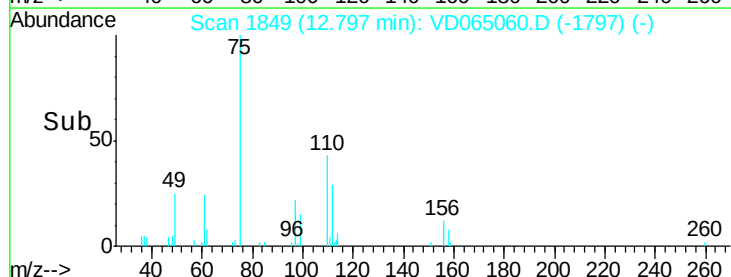
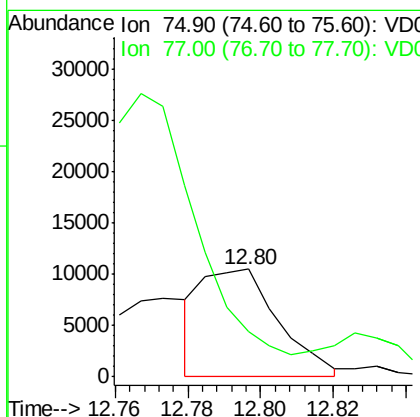
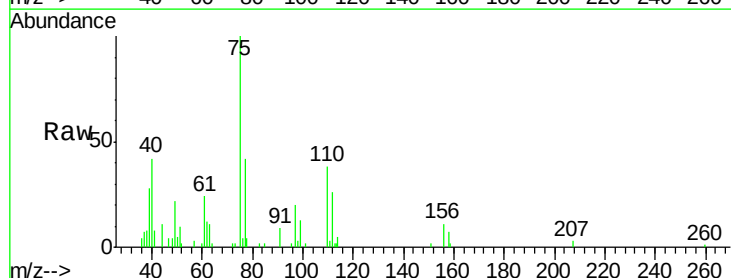
RT: 12.80 min Scan# 1849

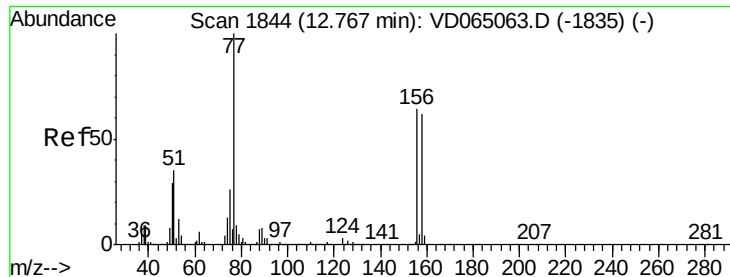
Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion:	75	Resp:	15521
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.788 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

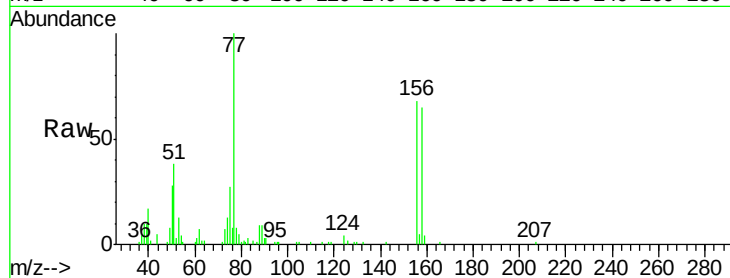
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	32115
Ion	Ratio	Lower	Upper
156	100		
77	164.7	85.6	256.8
158	94.2	47.4	142.2

Manual Integrations
APPROVED

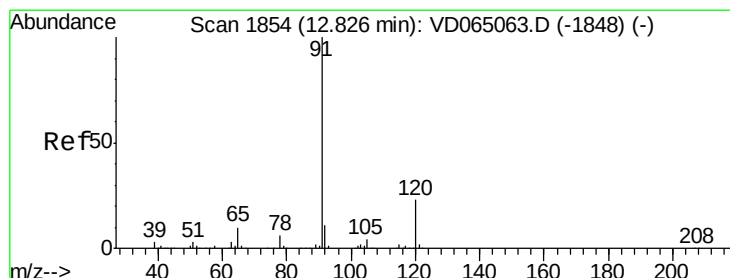
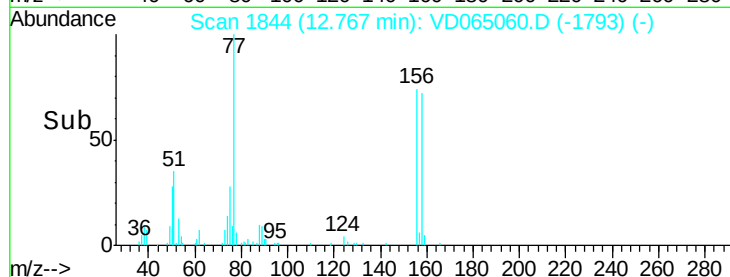
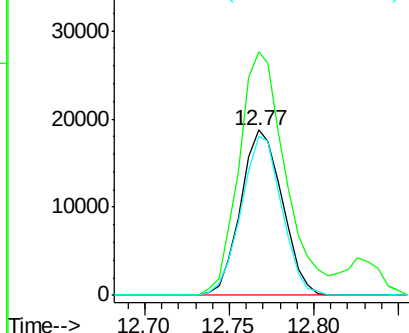
MMDadoda
2/6/2020 10:37:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.665 ug/l

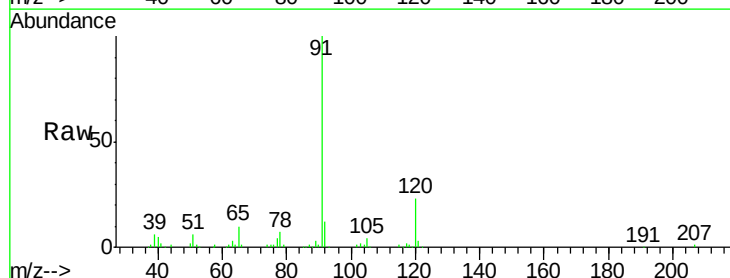
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065060.D

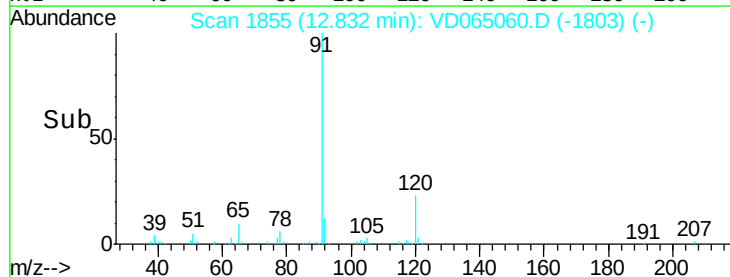
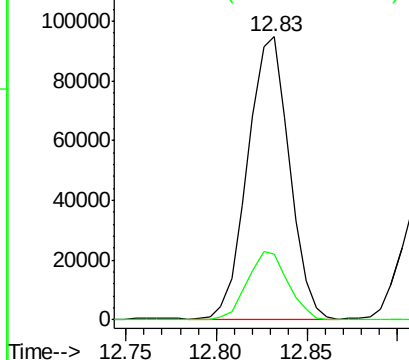
Acq: 05 Feb 2020 12:03

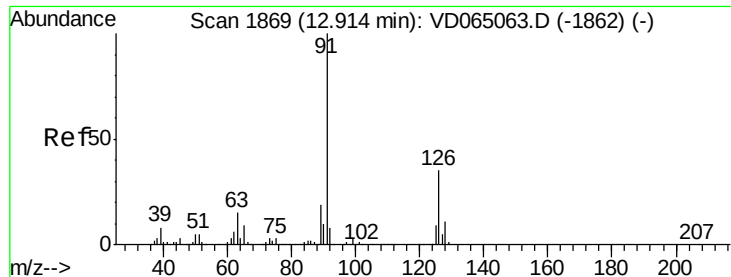
Tgt Ion:	91	Resp:	152404
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.791 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 86009

Ion Ratio Lower Upper

91 100

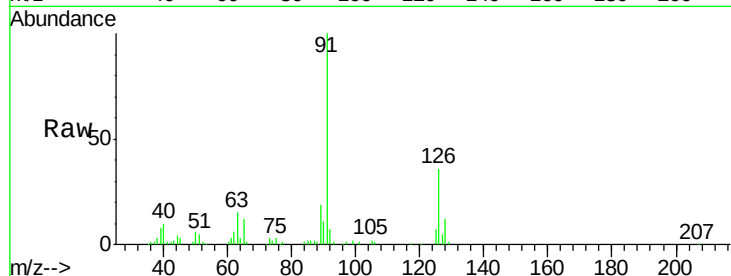
126 35.2 17.4 52.3

Manual Integrations

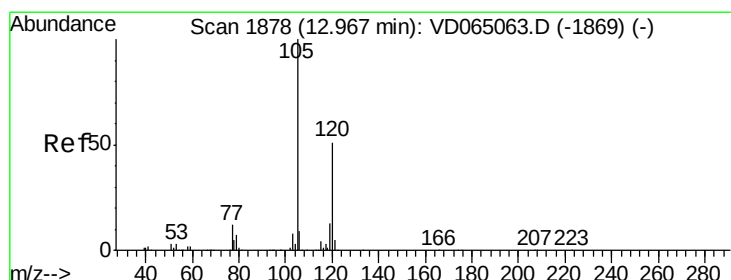
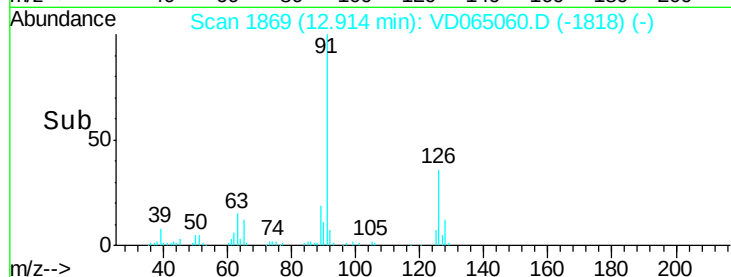
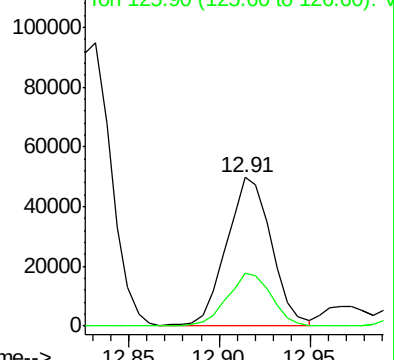
APPROVED

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2/6/2020 10:37:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.724 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065060.D

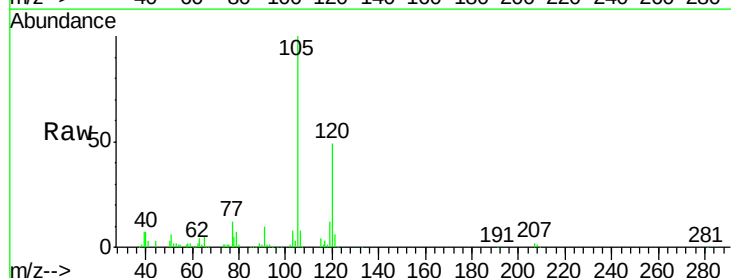
Acq: 05 Feb 2020 12:03

Tgt Ion: 105 Resp: 106400

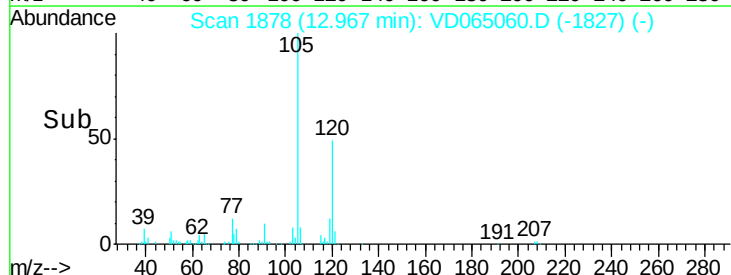
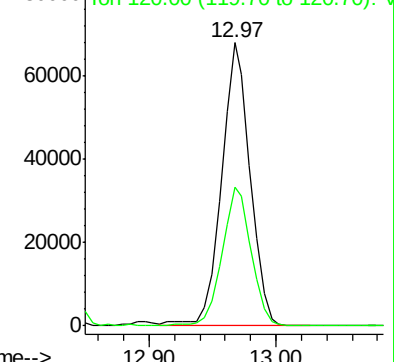
Ion Ratio Lower Upper

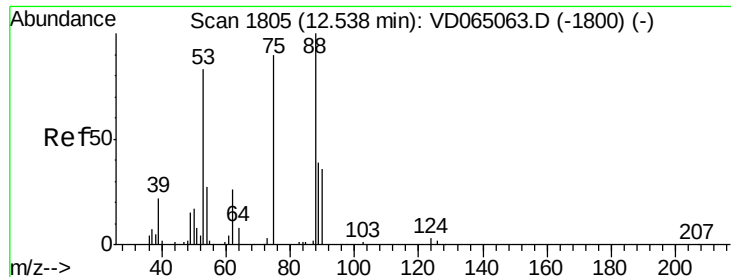
105 100

120 49.6 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)





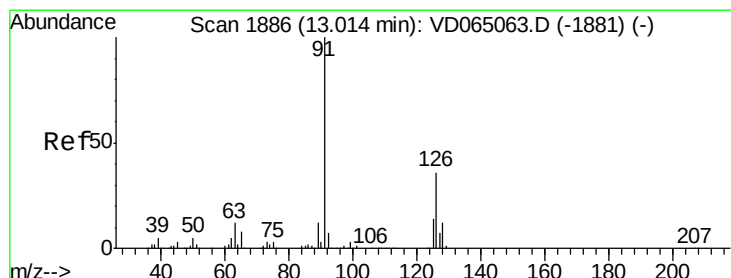
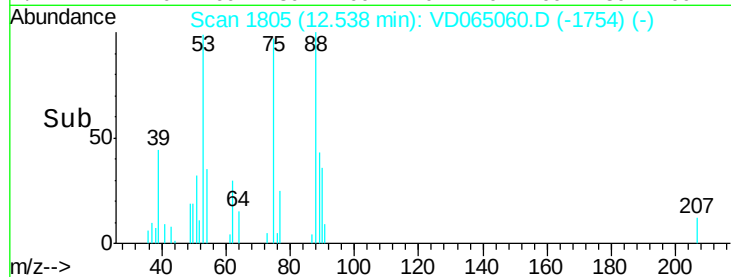
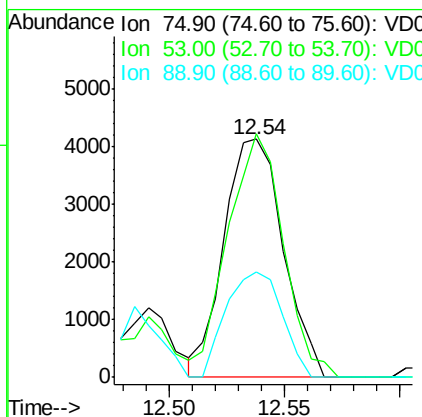
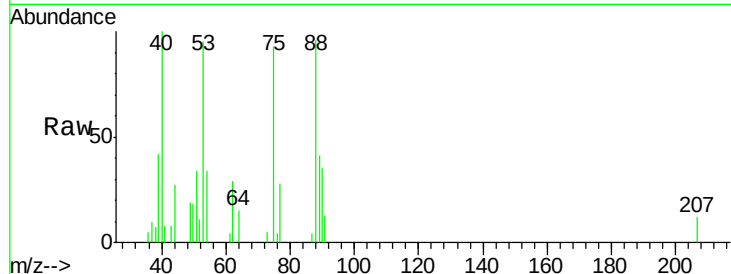
#81
trans-1,4-Dichloro-2-butene
Concen: 4.738 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	78.5	117.7
89	41.6	37.0	55.4

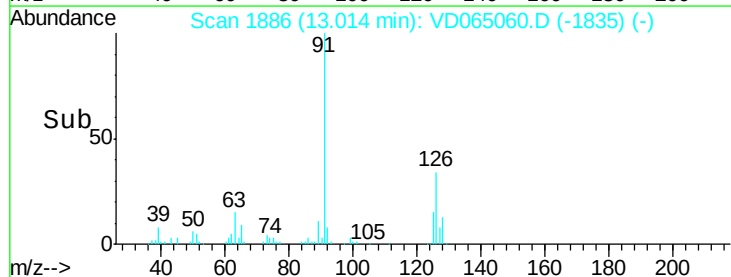
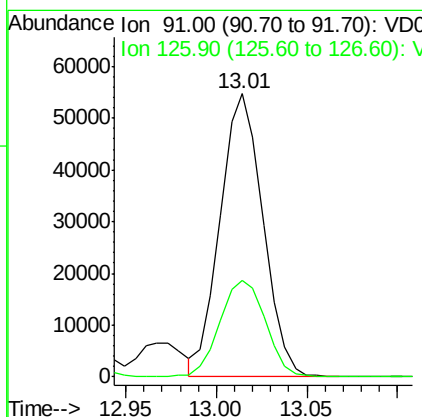
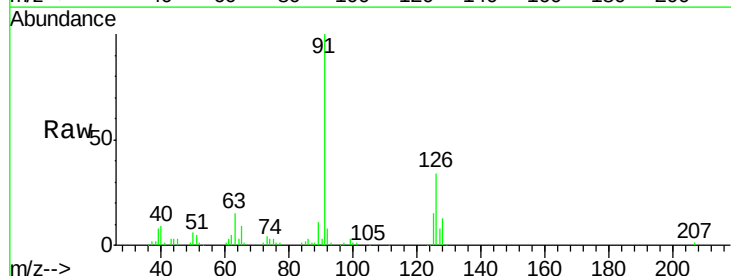
Manual Integrations
APPROVED

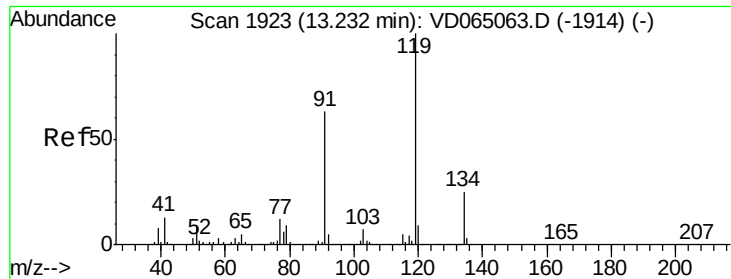
MMDadoda
2/6/2020 10:37:04 AM



#82
4-Chlorotoluene
Concen: 4.716 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.5





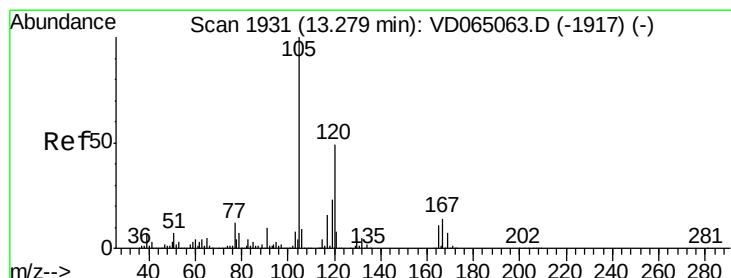
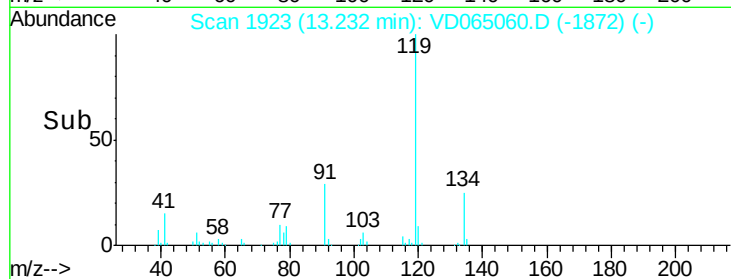
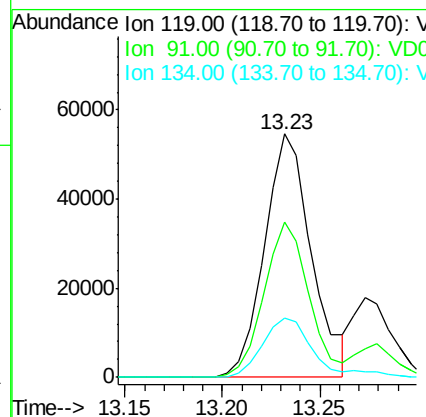
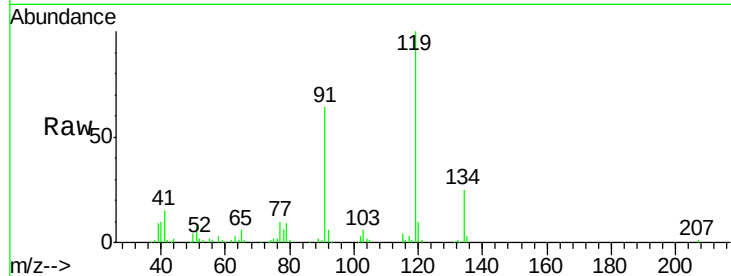
#83
 tert-Butylbenzene
 Concen: 4.763 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	32.3	96.9
134	26.8	13.8	41.3

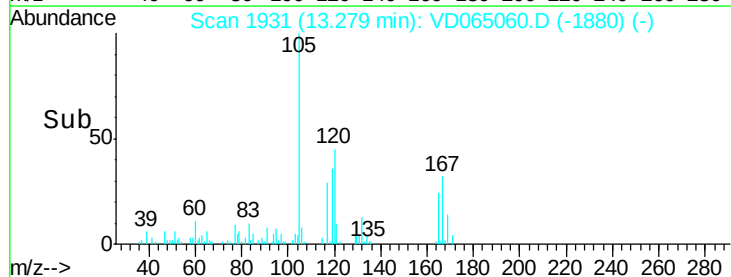
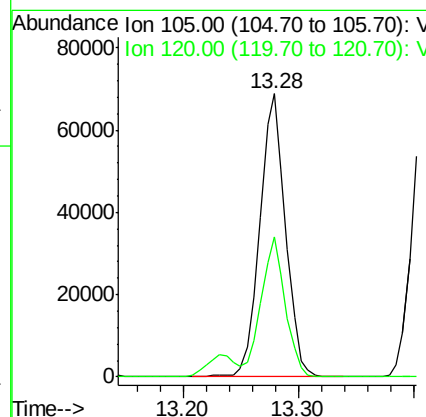
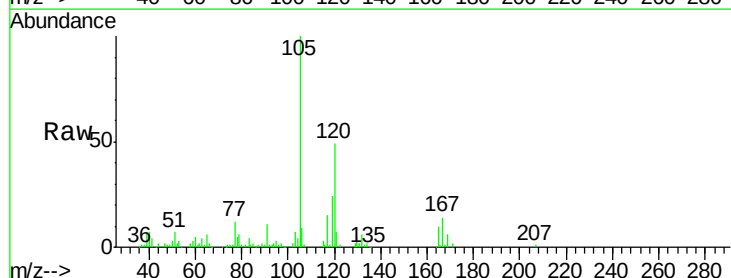
Manual Integrations
 APPROVED

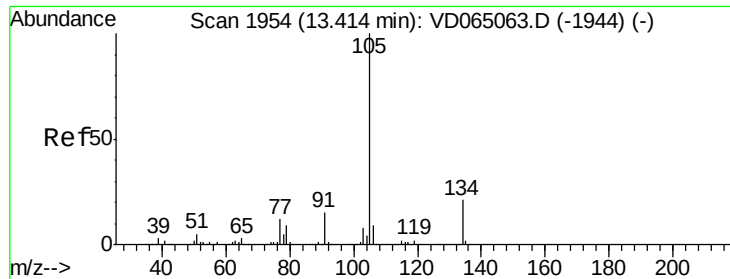
MMDadoda
 2/6/2020 10:37:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.685 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





#85

sec-Butylbenzene

Concen: 4.553 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 123455

Ion Ratio Lower Upper

105 100

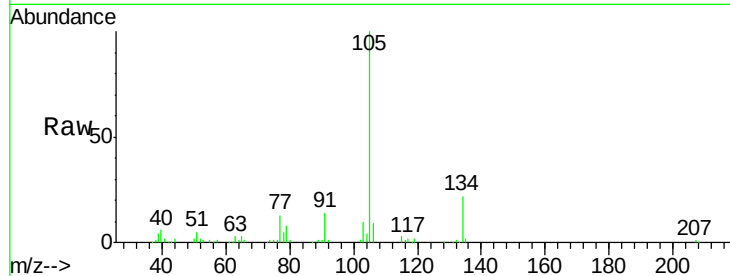
134 21.0 10.4 31.1

Manual Integrations

APPROVED

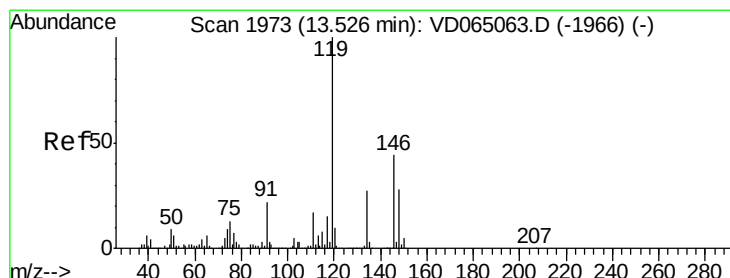
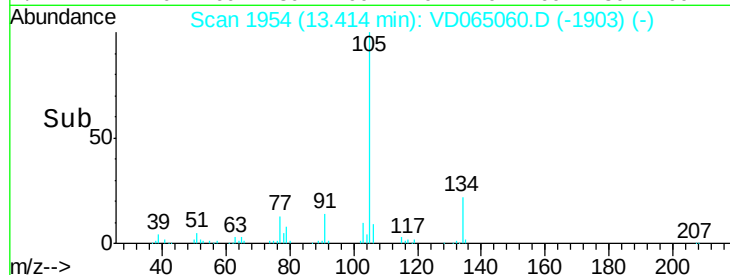
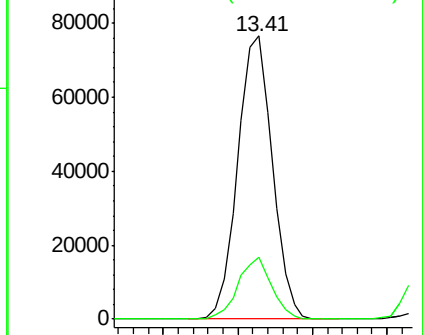
MMDadoda

2/6/2020 10:37:04 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.534 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

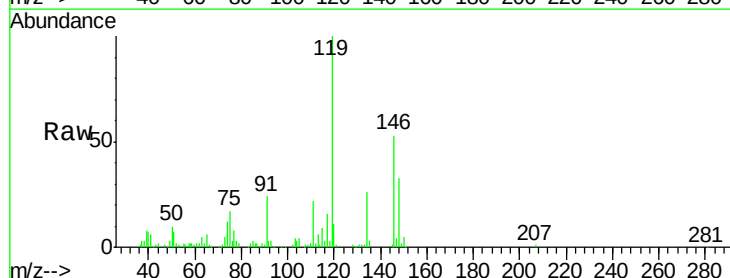
Tgt Ion:119 Resp: 114505

Ion Ratio Lower Upper

119 100

134 25.4 13.5 40.5

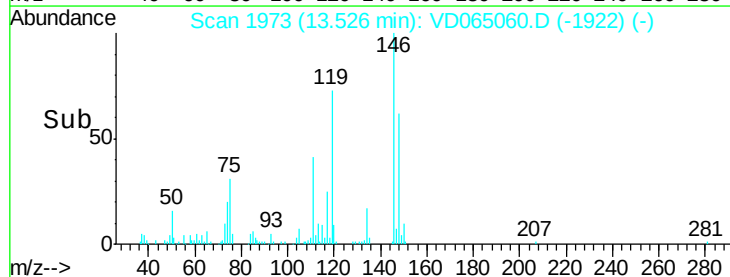
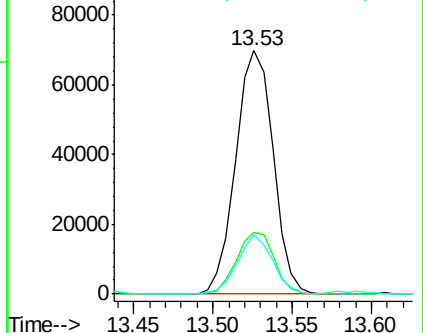
91 23.2 11.3 33.9

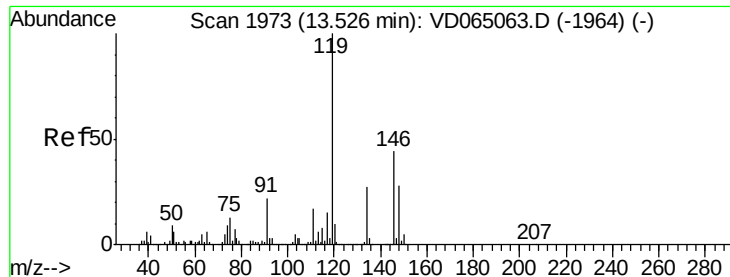


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





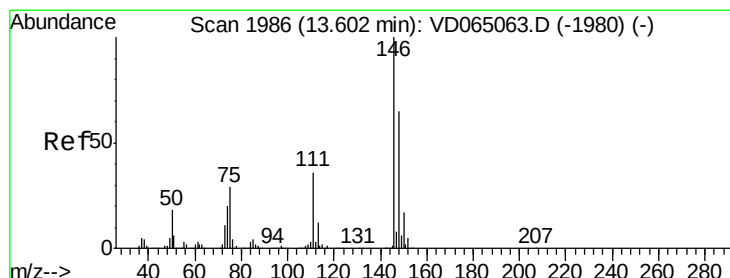
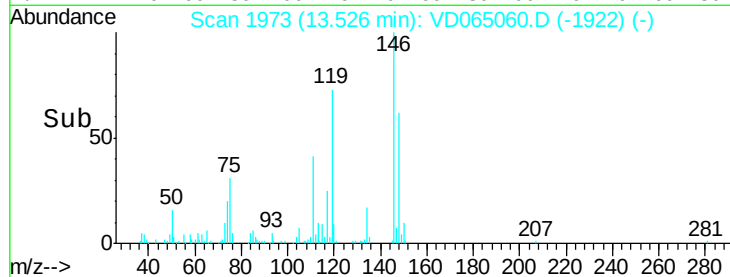
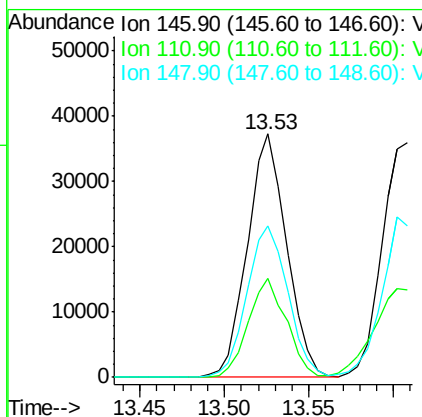
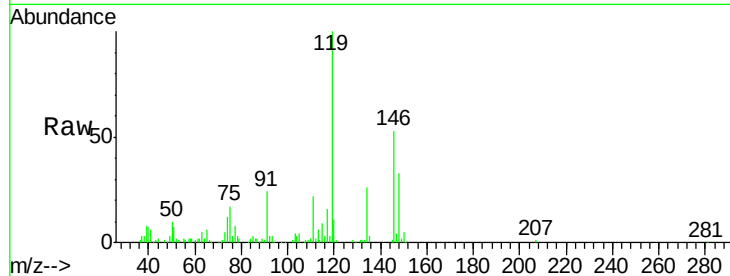
#87
 1,3-Dichlorobenzene
 Concen: 4.698 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.4
148	64.7	32.3	96.8

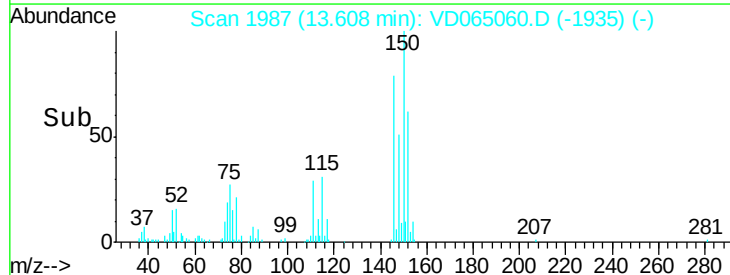
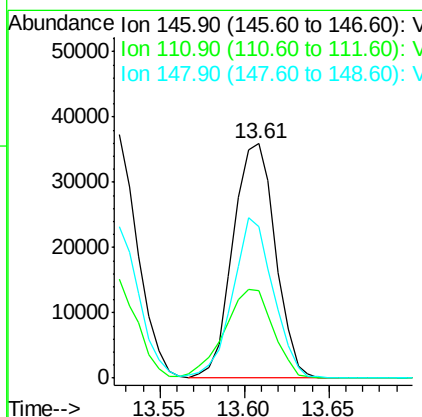
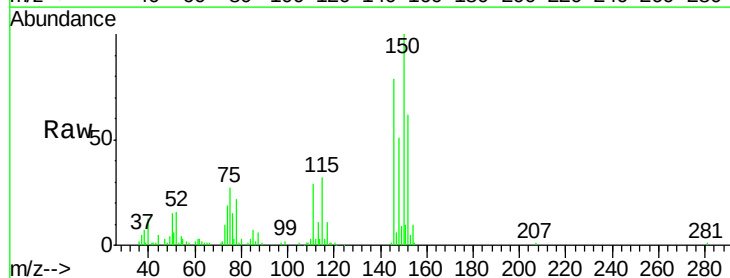
Manual Integrations
 APPROVED

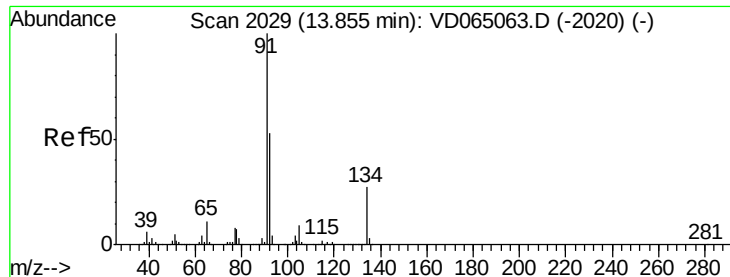
MMDadoda
 2/6/2020 10:37:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.932 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.5	55.5
148	65.6	32.7	98.1





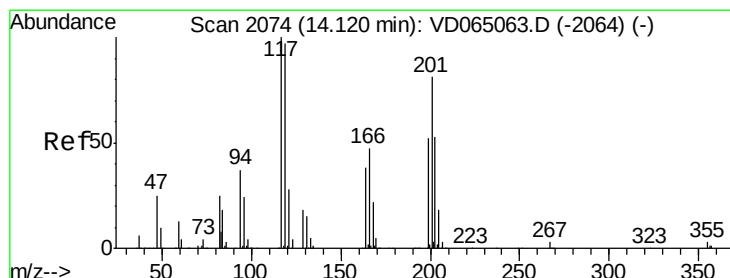
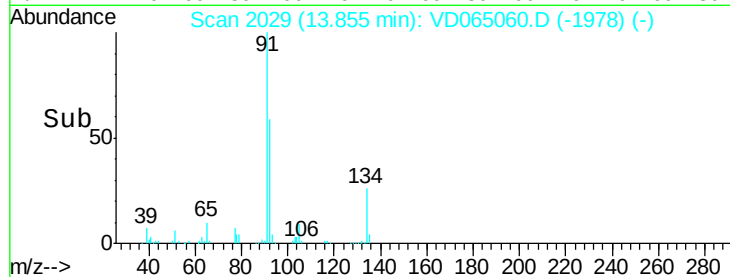
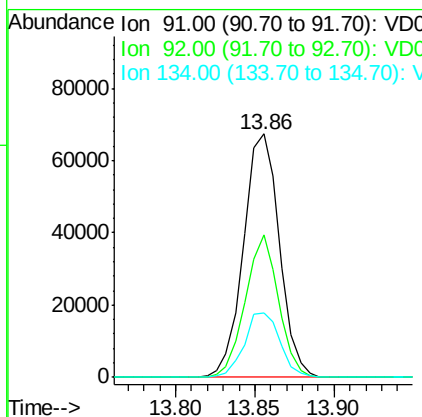
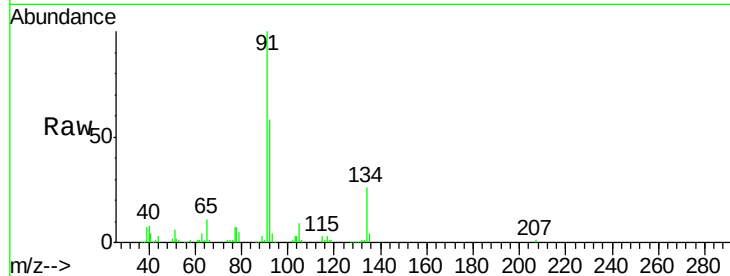
#89
n-Butylbenzene
Concen: 4.605 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.1
134	26.5	13.4	40.2

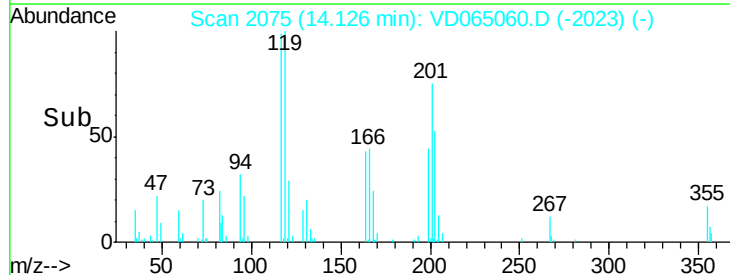
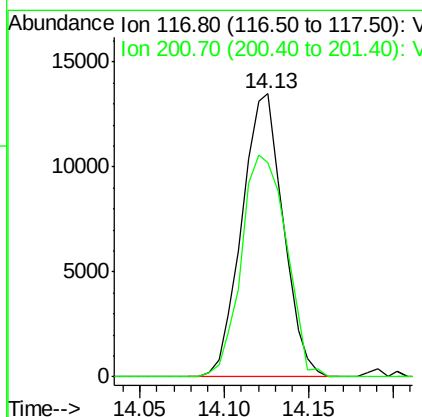
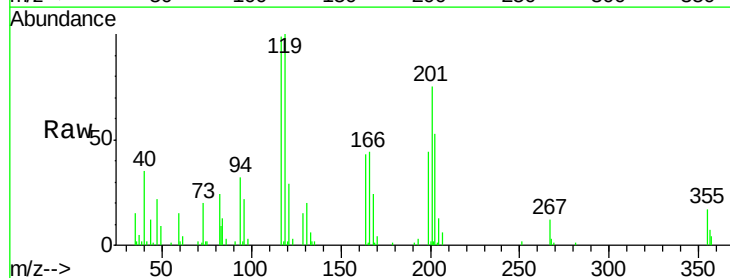
Manual Integrations
APPROVED

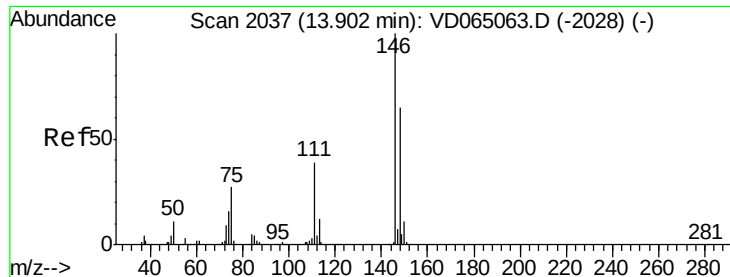
MMDadoda
2/6/2020 10:37:04 AM



#90
Hexachloroethane
Concen: 4.742 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





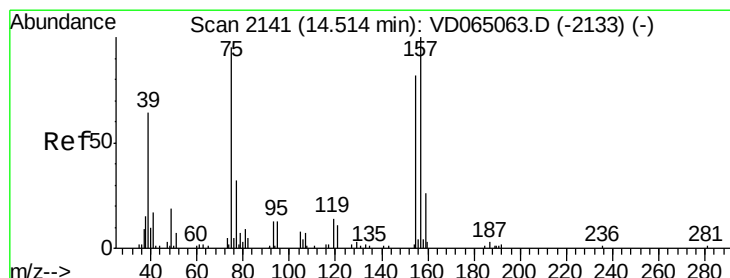
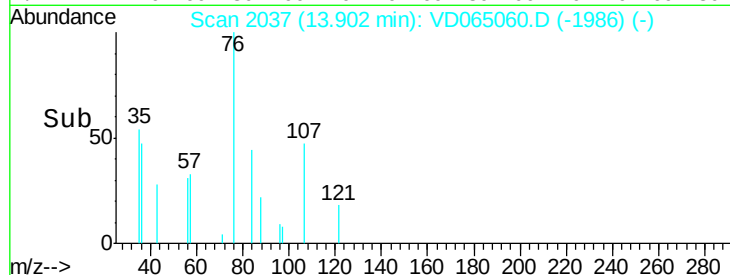
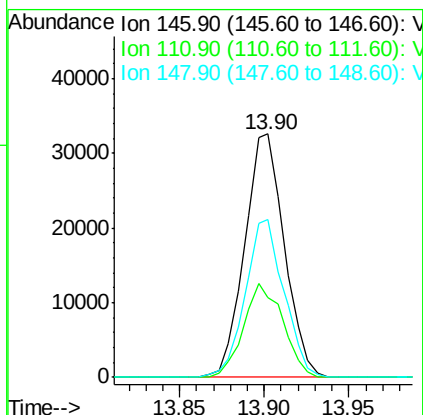
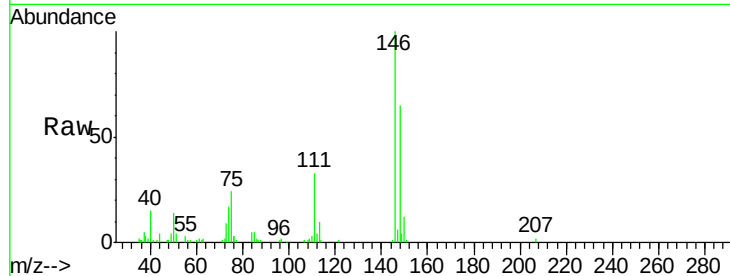
#91
 1,2-Dichlorobenzene
 Concen: 4.902 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.1
148	63.0	31.9	95.5

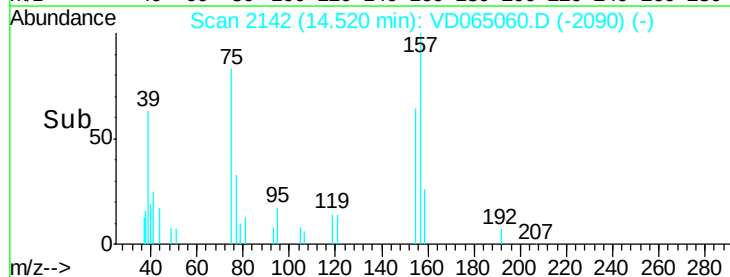
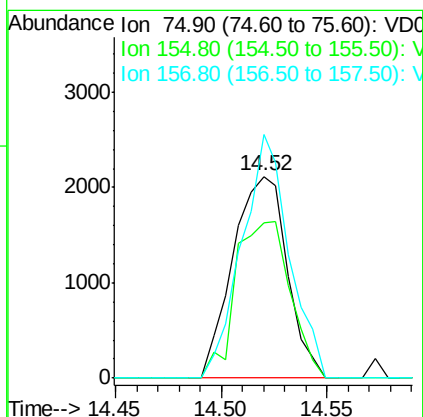
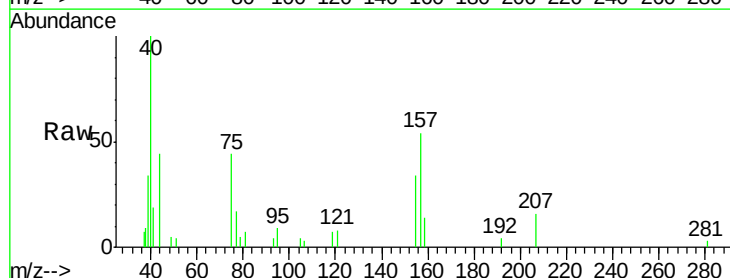
Manual Integrations
 APPROVED

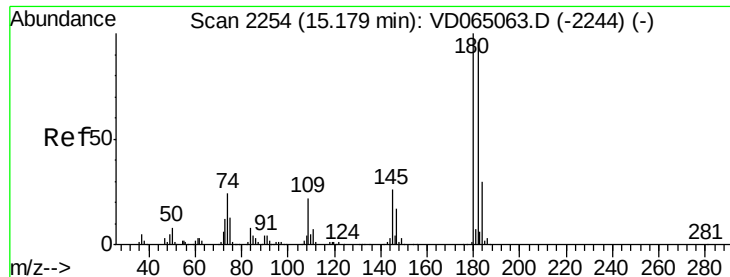
MMDadoda
 2/6/2020 10:37:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.114 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	43.4	130.1
157	105.6	55.8	167.3





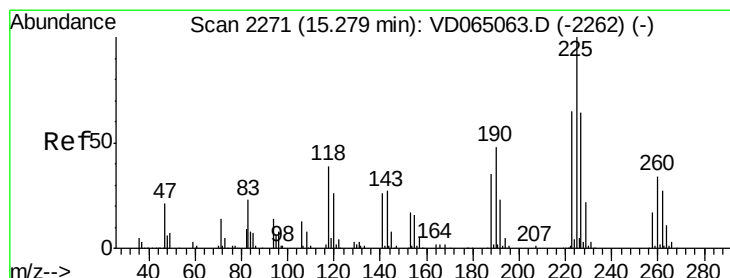
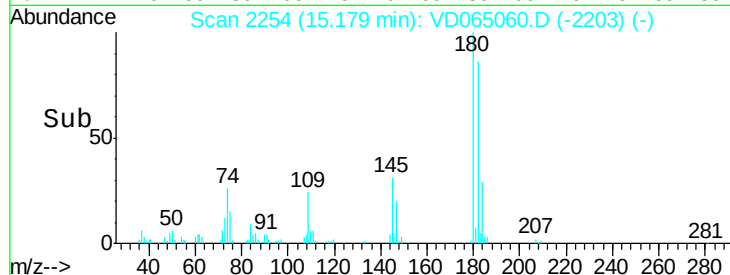
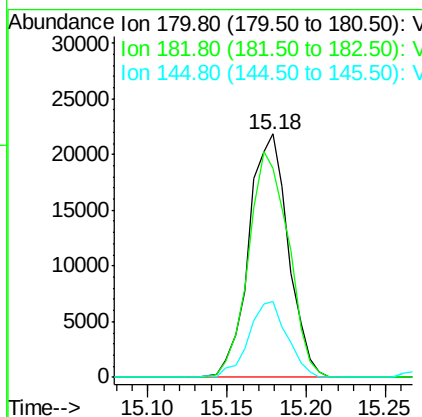
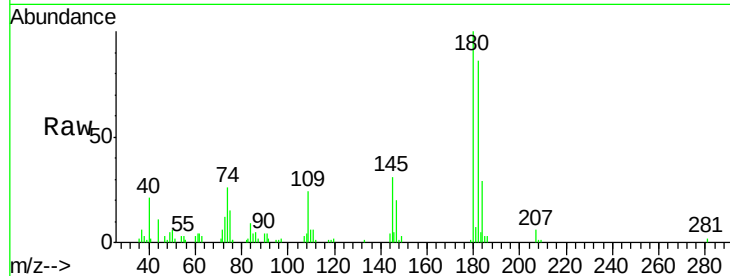
#93
 1,2,4-Trichlorobenzene
 Concen: 4.981 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.3
145	30.4	14.1	42.4

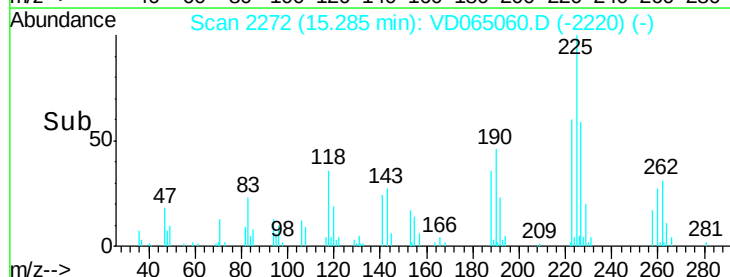
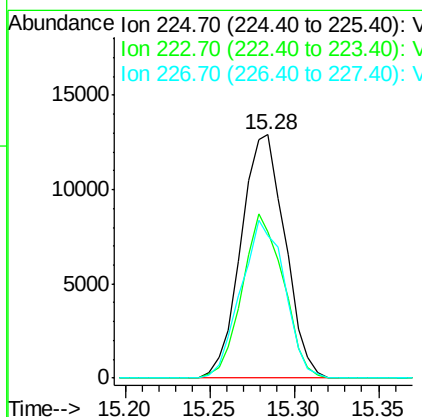
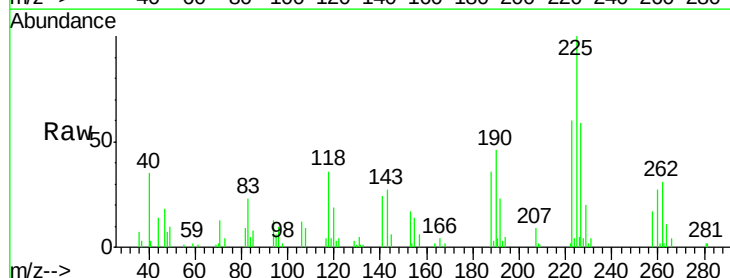
Manual Integrations
 APPROVED

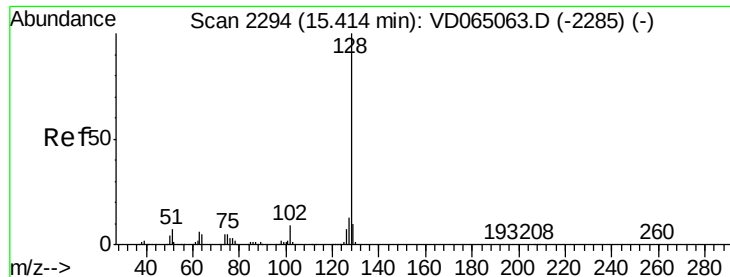
MMDadoda
 2/6/2020 10:37:04 AM



#94
 Hexachlorobutadiene
 Concen: 4.871 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	64.7	31.8	95.3





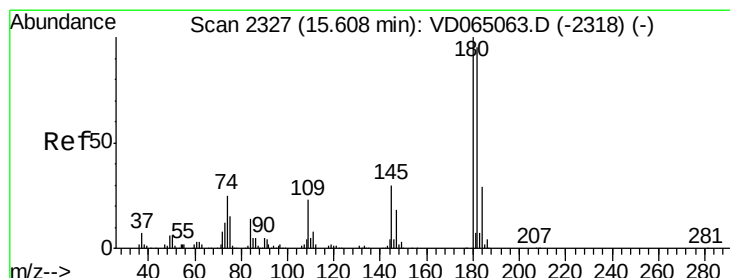
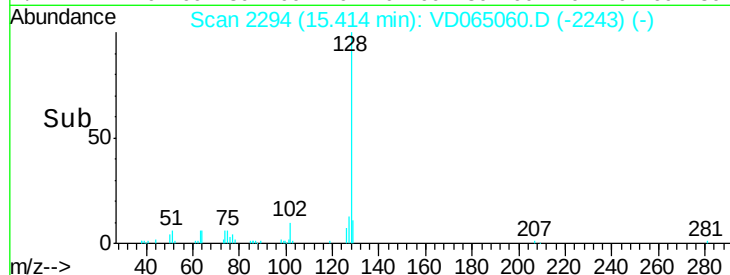
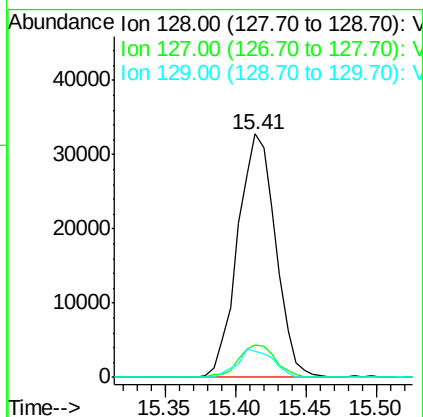
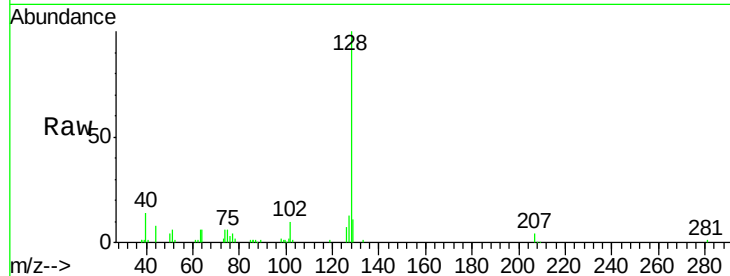
#95
Naphthalene
Concen: 5.039 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.976 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.4
145	30.1	14.9	44.9

