

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065406.D
 Acq On : 04 Mar 2020 11:32
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:29 PM

Quant Time: Mar 04 16:14:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	79363	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	7.92	113	82327	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.34	98	316077	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
62) 4-Bromofluorobenzene	12.64	95	99304	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90740	22.797	ug/l	99
3) Chloromethane	2.21	50	103356	21.677	ug/l	99
4) Vinyl Chloride	2.35	62	100561	21.330	ug/l	97
5) Bromomethane	2.76	94	63689	21.024	ug/l	99
6) Chloroethane	2.92	64	62131	21.593	ug/l	98
7) Trichlorofluoromethane	3.27	101	147758	21.257	ug/l	98
8) Diethyl Ether	3.70	74	44359	21.372	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	92417	20.656	ug/l	99
10) Methyl Iodide	4.30	142	98124	21.241	ug/l	99
11) Tert butyl alcohol	5.24	59	22743m	106.220	ug/l	
12) 1,1-Dichloroethene	4.06	96	87768	20.502	ug/l	92
13) Acrolein	3.92	56	41788	106.975	ug/l	98
14) Allyl chloride	4.71	41	135731	20.580	ug/l	98
15) Acrylonitrile	5.43	53	96484	105.818	ug/l	99
16) Acetone	4.17	43	83467	103.362	ug/l	99
17) Carbon Disulfide	4.40	76	303669	21.248	ug/l	98
18) Methyl Acetate	4.73	43	43432	21.038	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177328	21.310	ug/l	94
20) Methylene Chloride	4.97	84	103232	20.620	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	100974	21.145	ug/l	95
22) Diisopropyl ether	6.37	45	273600	22.107	ug/l	99
23) Vinyl Acetate	6.31	43	725543	105.709	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168216	21.398	ug/l	99
25) 2-Butanone	7.23	43	114507	103.646	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139056	20.238	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	104662	21.372	ug/l	99
28) Bromochloromethane	7.55	49	69217	21.705	ug/l	99
29) Tetrahydrofuran	7.57	42	75396	106.235	ug/l	100
30) Chloroform	7.71	83	169512	21.442	ug/l	99
31) Cyclohexane	7.98	56	155641	19.896	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	150679	20.768	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132752	20.533	ug/l	99
37) Ethyl Acetate	7.30	43	54652	21.598	ug/l	98
38) Carbon Tetrachloride	8.10	117	136244	20.416	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	153516	19.873	ug/l	92
40) Benzene	8.36	78	385294	21.260	ug/l	99
41) Methacrylonitrile	7.53	41	28794	22.392	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	103657	21.736	ug/l	99
43) Isopropyl Acetate	8.46	43	93717	20.237	ug/l	98
44) Trichloroethene	9.11	130	106323	20.898	ug/l	100
45) 1,2-Dichloropropane	9.39	63	93906	21.335	ug/l	95
46) Dibromomethane	9.48	93	50477	22.056	ug/l	100
47) Bromodichloromethane	9.67	83	128344	21.601	ug/l	92
48) Methyl methacrylate	9.46	41	45303	20.680	ug/l	96
49) 1,4-Dioxane	9.47	88	11481	435.830	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	253359	108.181	ug/l	97
52) Toluene	10.41	92	242043	21.176	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119719	21.415	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145024	21.480	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	69952	21.613	ug/l	97
56) Ethyl methacrylate	10.67	69	78032	21.265	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119151	21.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	200081	153.376	ug/l	100
59) 2-Hexanone	10.99	43	168415	103.734	ug/l	99
60) Dibromochloromethane	11.14	129	90344	21.678	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67152	21.724	ug/l	99
64) Tetrachloroethene	10.88	164	93192	20.618	ug/l	97
65) Chlorobenzene	11.68	112	260678	20.824	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96160	21.040	ug/l	98
67) Ethyl Benzene	11.75	91	443867	20.569	ug/l	100
68) m/p-Xylenes	11.86	106	348693	41.914	ug/l	98
69) o-Xylene	12.18	106	149990	20.498	ug/l	97
70) Styrene	12.20	104	273192	21.165	ug/l	99
71) Bromoform	12.37	173	54086	20.979	ug/l #	100
73) Isopropylbenzene	12.48	105	407995	19.839	ug/l	100
74) N-amyl acetate	12.30	43	85249	20.074	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	76819	21.057	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51015m	11.796	ug/l	
77) Bromobenzene	12.77	156	104564	20.278	ug/l	98
78) n-propylbenzene	12.83	91	500261	20.440	ug/l	99
79) 2-Chlorotoluene	12.91	91	284138	20.637	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	348890	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23179	19.752	ug/l	97
82) 4-Chlorotoluene	13.01	91	300553	20.705	ug/l	99
83) tert-Butylbenzene	13.23	119	278812	19.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	350683	20.982	ug/l	100
85) sec-Butylbenzene	13.41	105	409375	20.065	ug/l	100
86) p-Isopropyltoluene	13.53	119	378142	20.303	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	201214	20.431	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203202	20.683	ug/l	99
89) n-Butylbenzene	13.85	91	346055	20.134	ug/l	99
90) Hexachloroethane	14.12	117	78773	20.483	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	174662	20.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.961	ug/l	98

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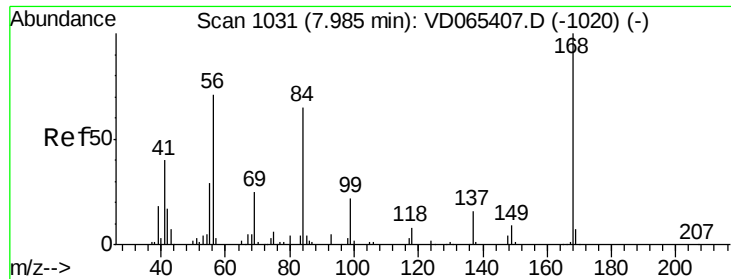
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114069	20.085	ug/l	99
94) Hexachlorobutadiene	15.28	225	72719	19.574	ug/l	99
95) Naphthalene	15.41	128	173698	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99143	20.098	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 459022

Ion Ratio Lower Upper

168 100

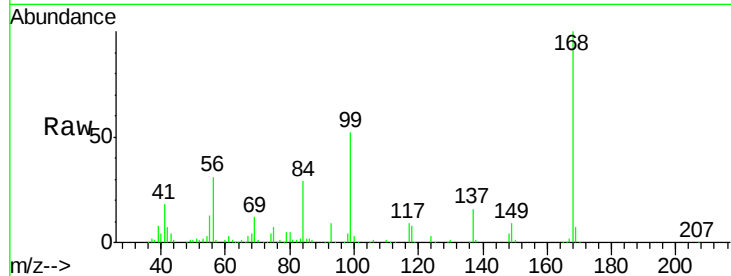
99 51.7 41.5 62.3

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

7.98

200000

150000

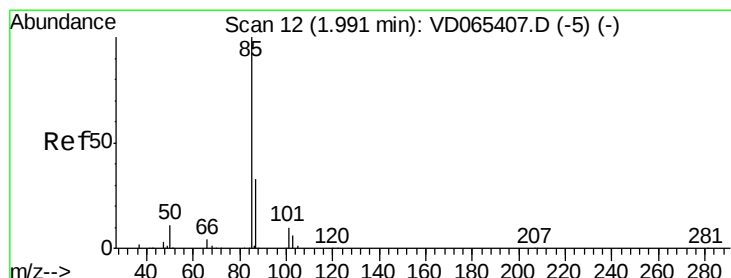
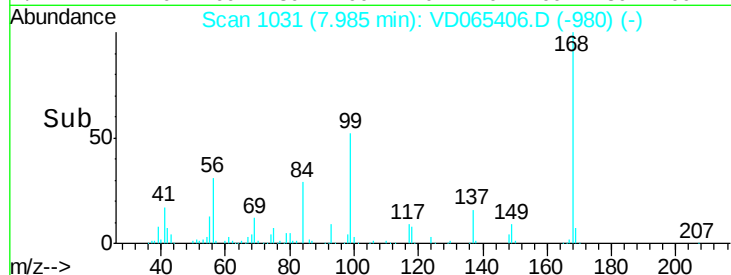
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.797 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065406.D

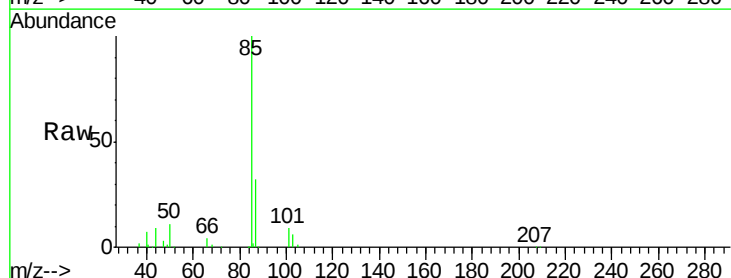
Acq: 04 Mar 2020 11:32

Tgt Ion: 85 Resp: 90740

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

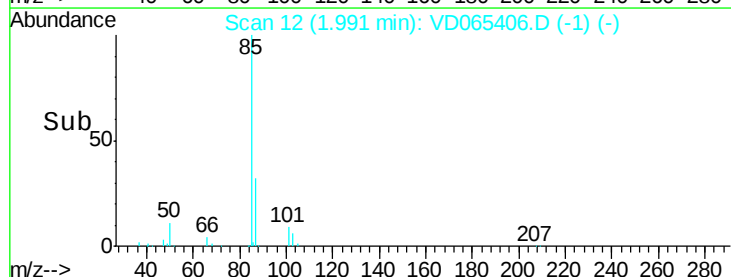
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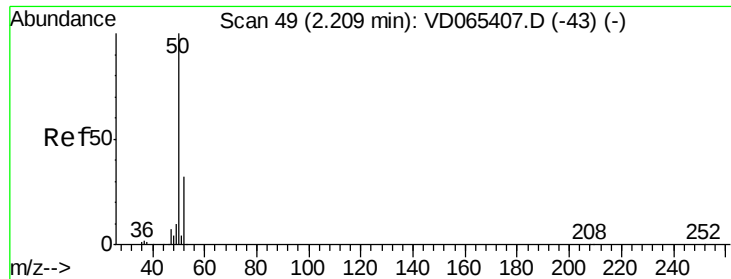
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.677 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 103356

Ion Ratio Lower Upper

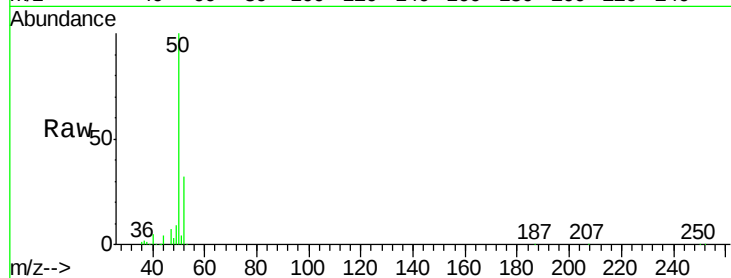
50 100

52 31.7 25.8 38.8

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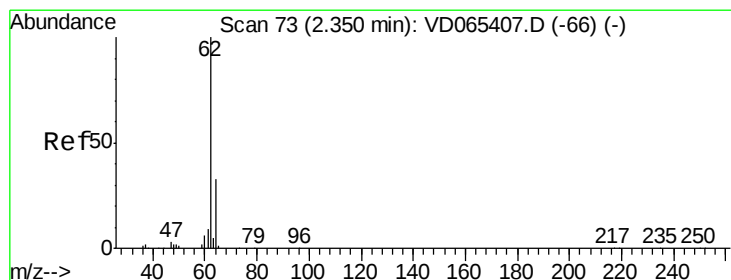
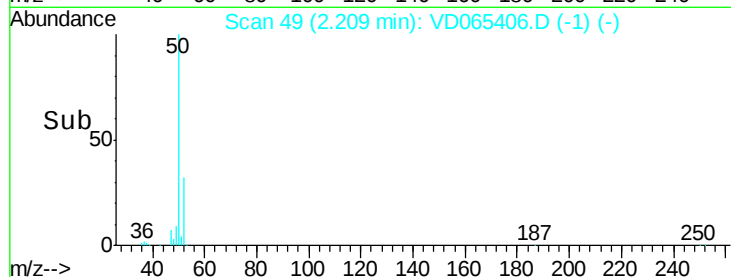
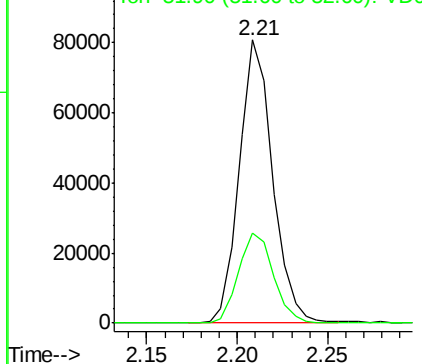
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.330 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065406.D

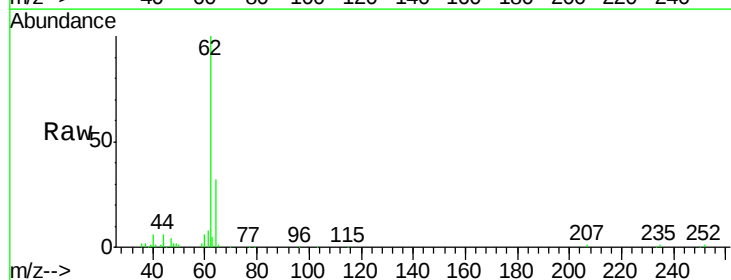
Acq: 04 Mar 2020 11:32

Tgt Ion: 62 Resp: 100561

Ion Ratio Lower Upper

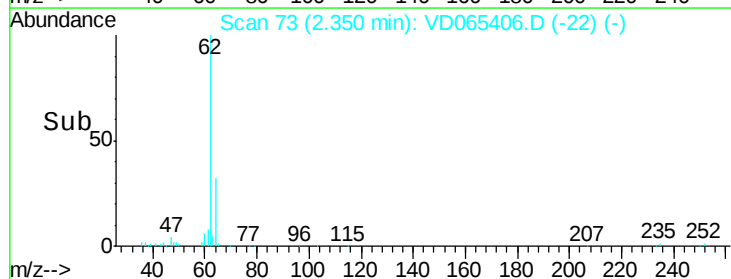
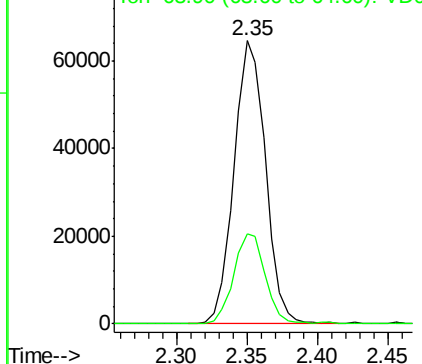
62 100

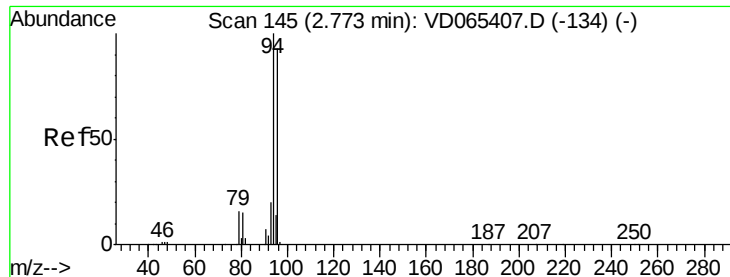
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.024 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 63689

Ion Ratio Lower Upper

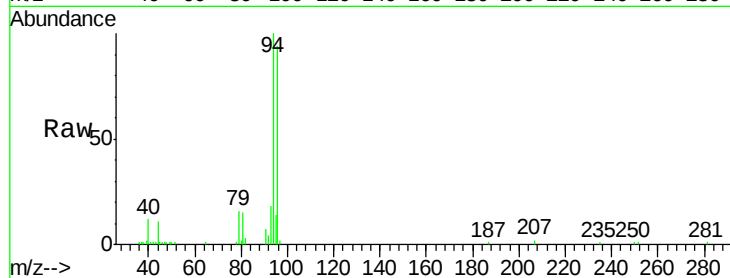
94 100

96 93.8 74.4 111.6

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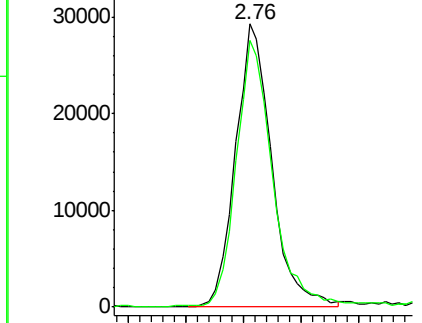
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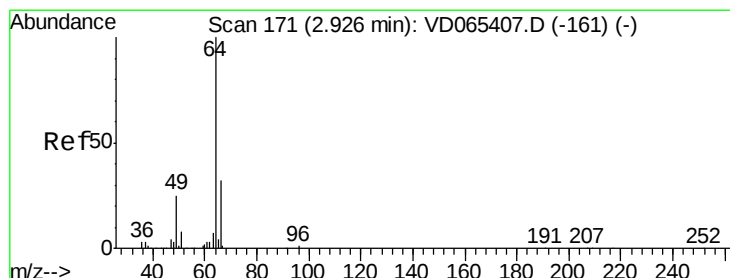
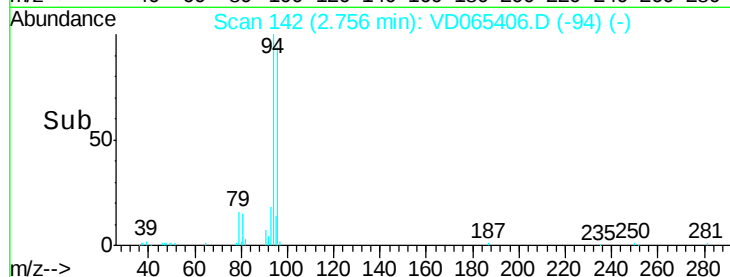


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 21.593 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065406.D

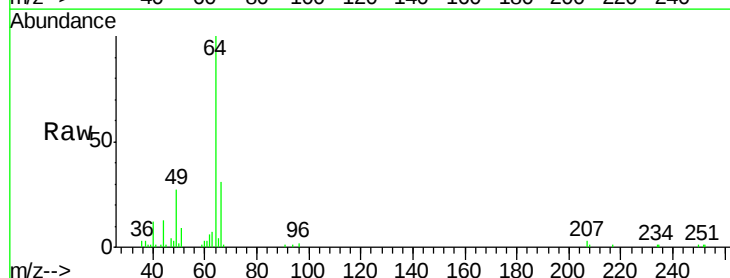
Acq: 04 Mar 2020 11:32

Tgt Ion: 64 Resp: 62131

Ion Ratio Lower Upper

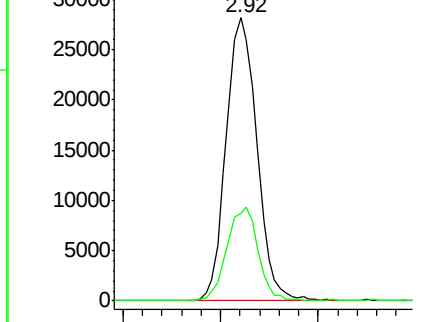
64 100

66 31.0 25.6 38.4

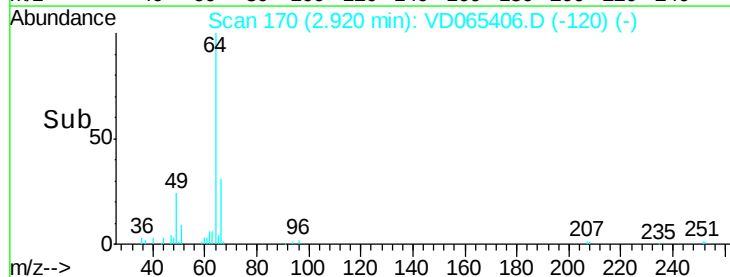


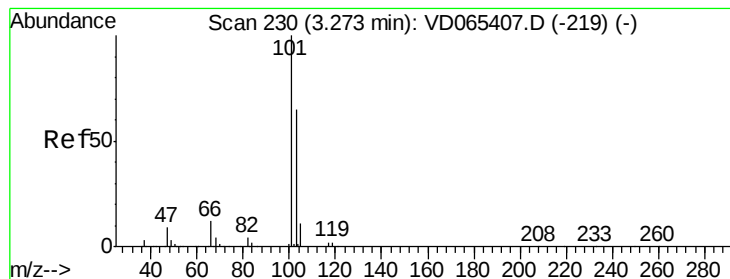
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time--> 2.80 2.90 3.00





#7

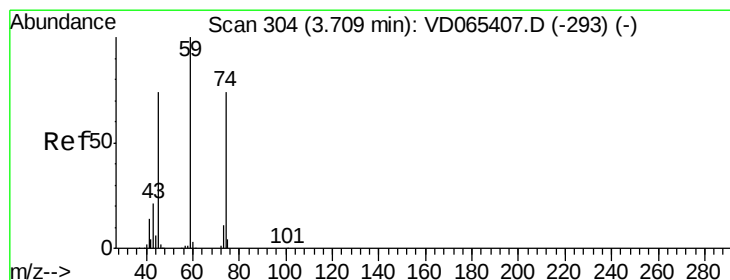
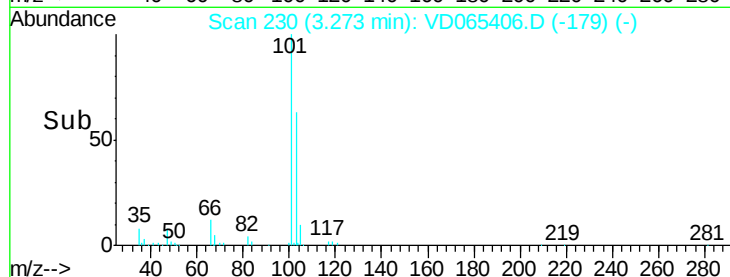
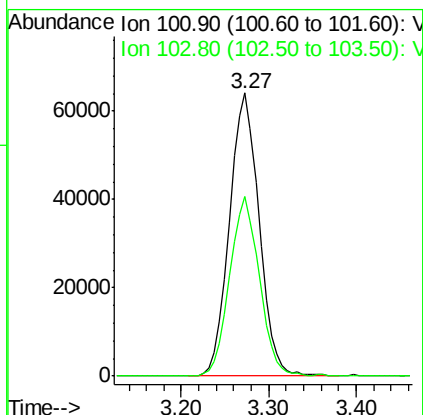
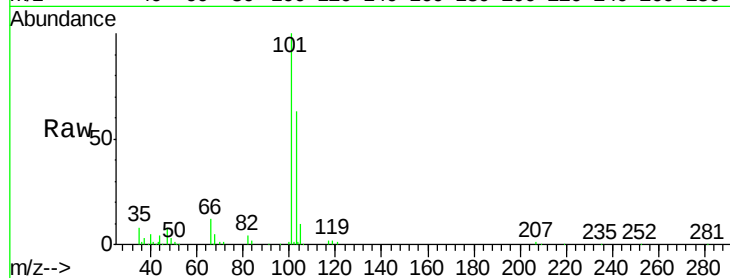
Trichlorofluoromethane
Concen: 21.257 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.1	78.1

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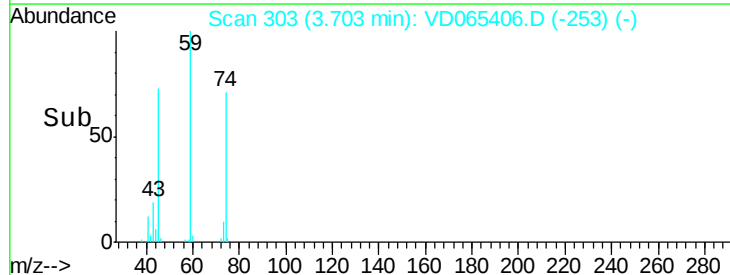
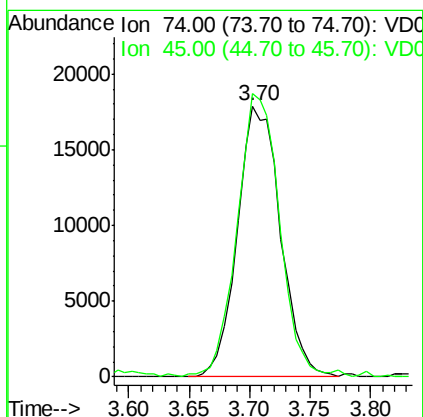
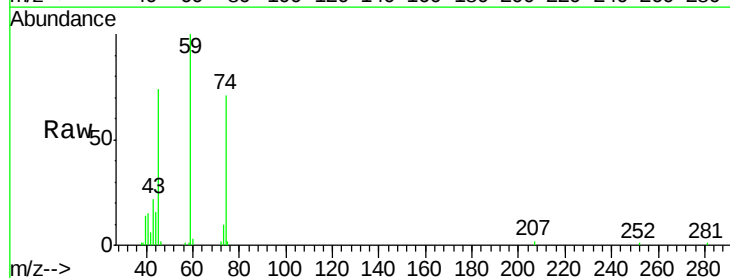
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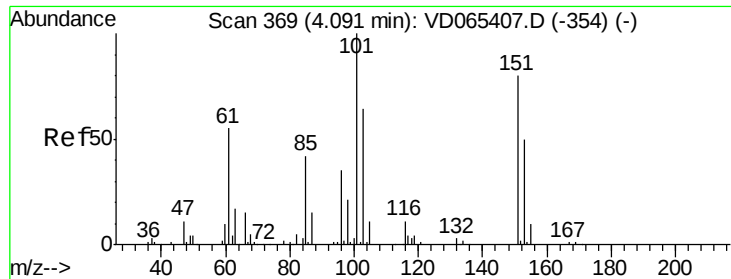


#8

Diethyl Ether
Concen: 21.372 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.656 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065406.D

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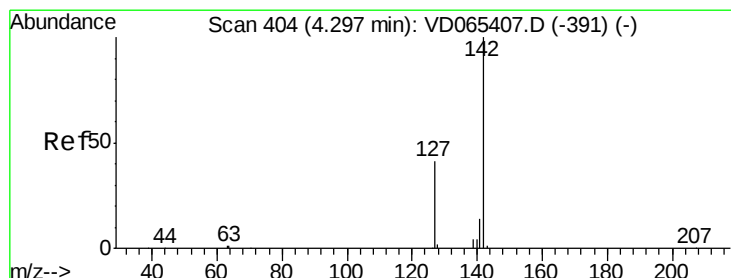
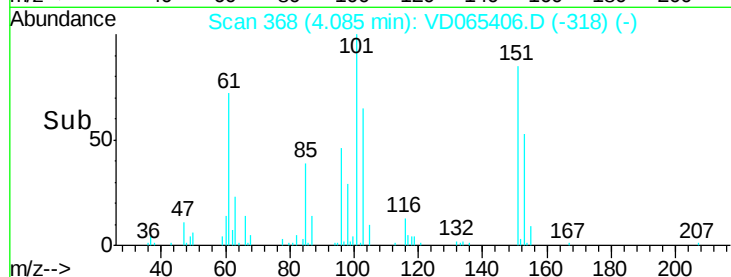
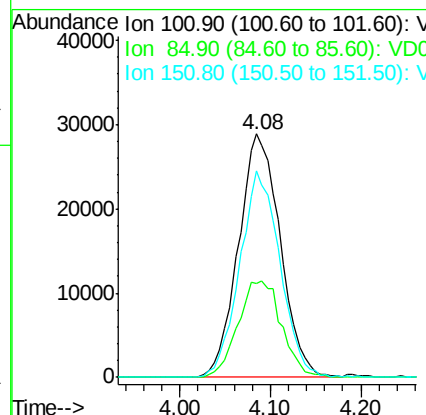
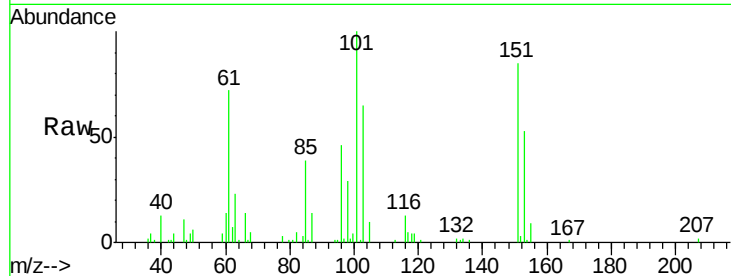
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	92417
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.2
151	81.9	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 21.241 ug/l

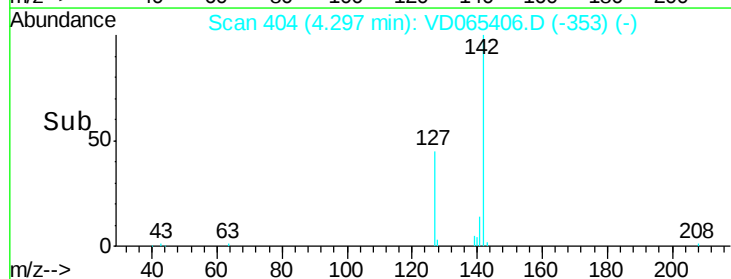
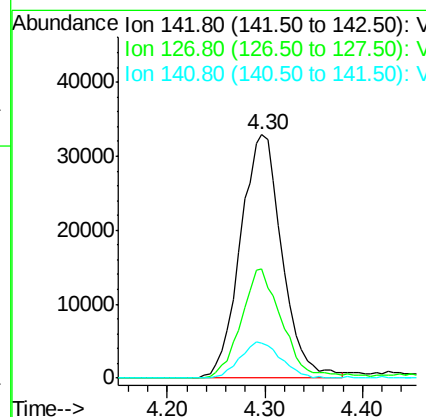
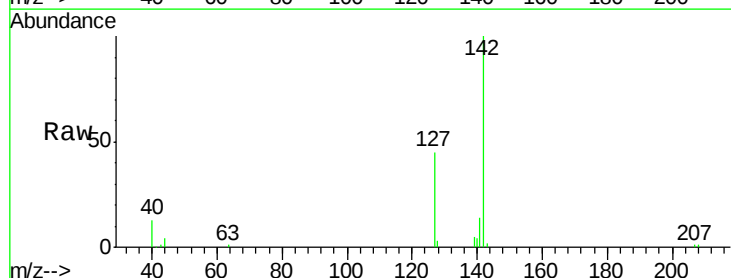
RT: 4.30 min Scan# 404

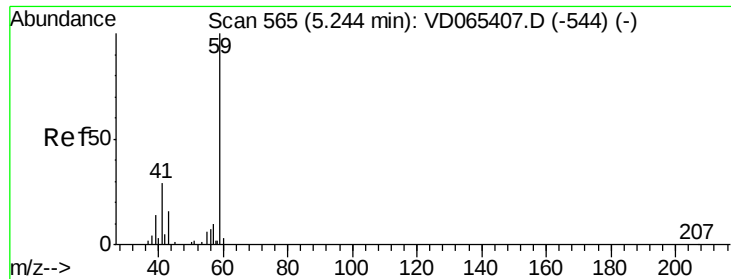
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	142	Resp:	98124
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.0	52.6
141	14.4	12.4	18.6





#11

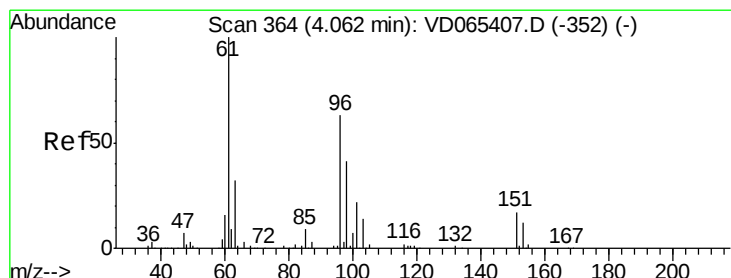
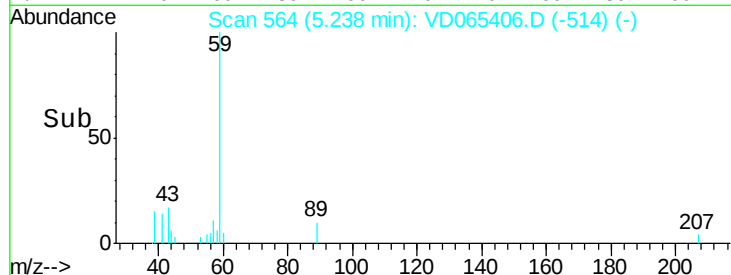
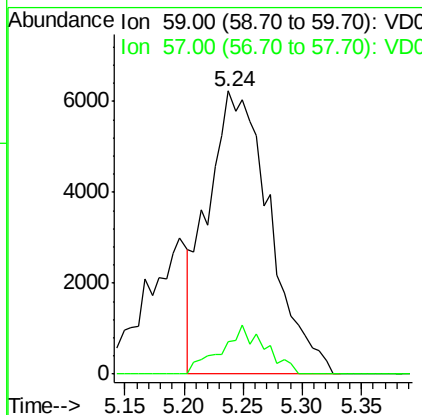
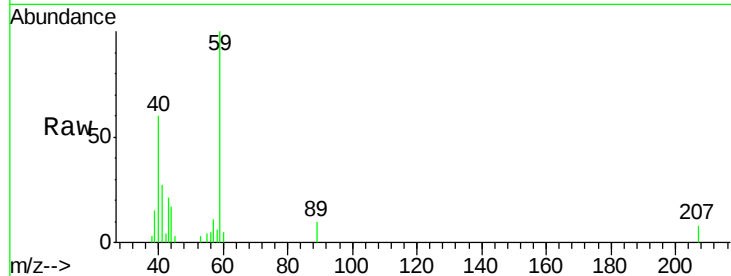
Tert butyl alcohol
Concen: 106.220 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 22743
Ion Ratio Lower Upper
59 100
57 12.3 6.9 10.3#

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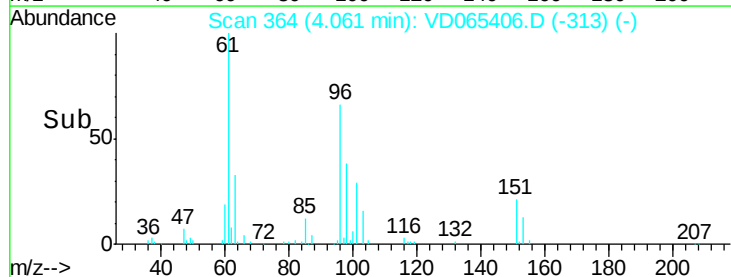
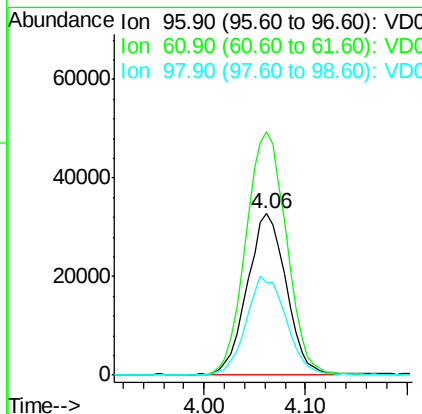
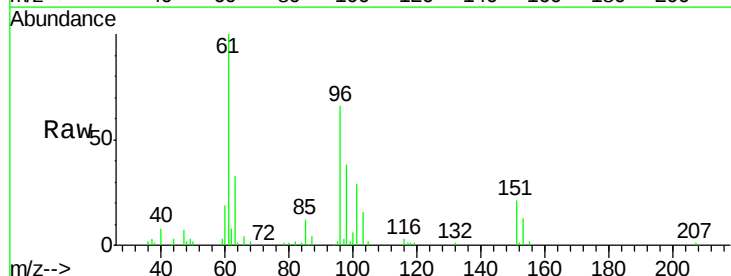
MMDadoda
3/5/2020 1:38:29 PM

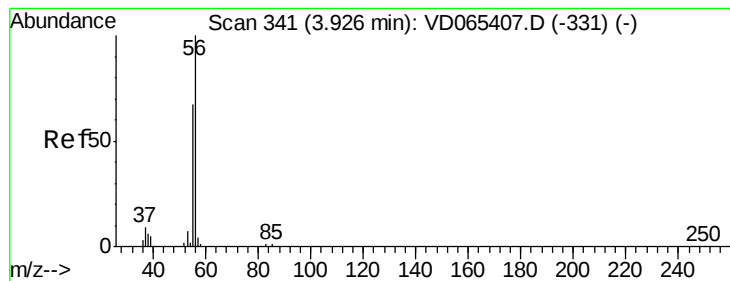


#12

1,1-Dichloroethene
Concen: 20.502 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 96 Resp: 87768
Ion Ratio Lower Upper
96 100
61 151.1 128.0 192.0
98 57.3 51.9 77.9





#13

Acrolein

Concen: 106.975 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 41788

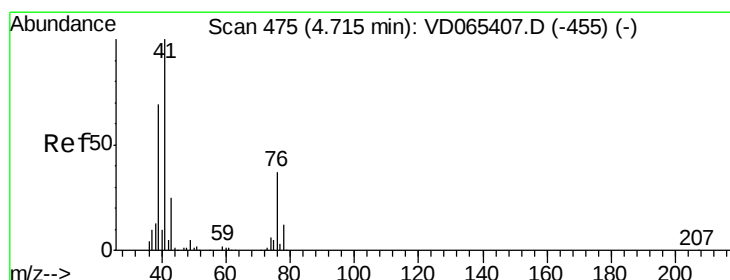
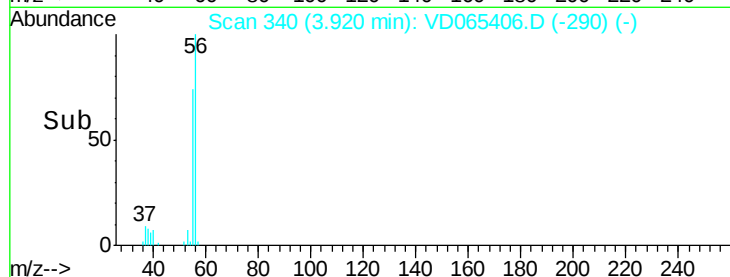
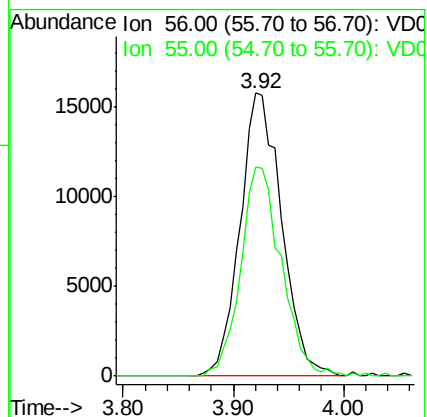
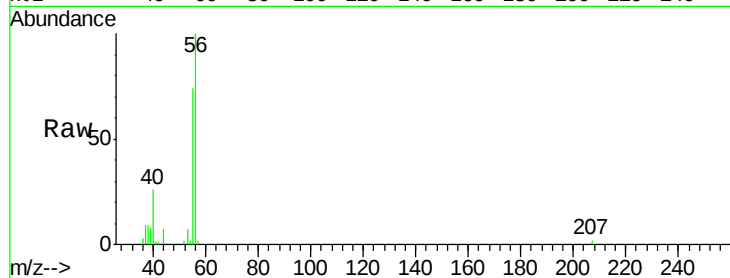
Ion Ratio Lower Upper

56 100

55 72.1 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 20.580 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

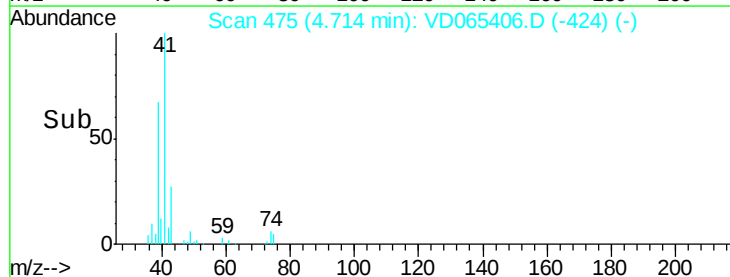
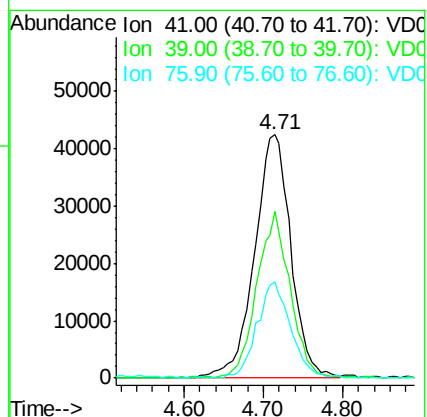
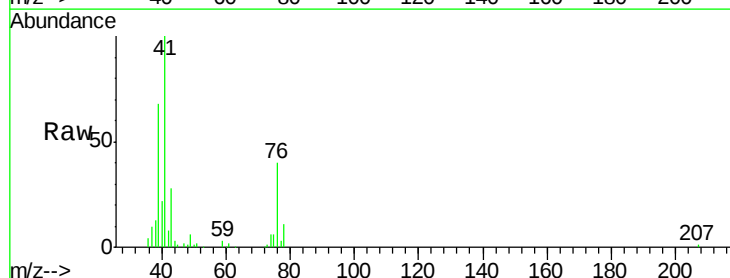
Tgt Ion: 41 Resp: 135731

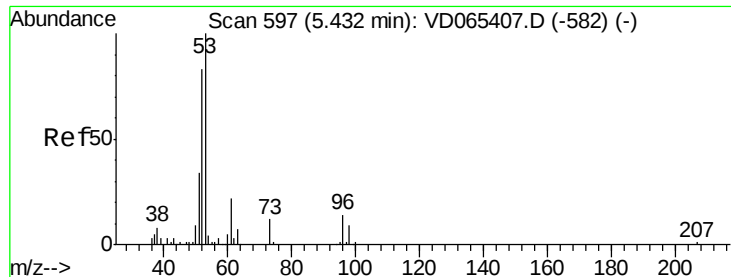
Ion Ratio Lower Upper

41 100

39 62.9 52.6 79.0

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 105.818 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

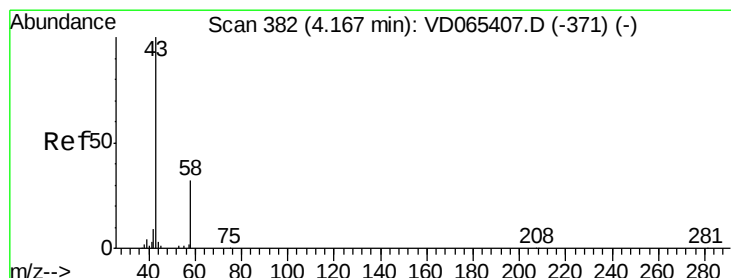
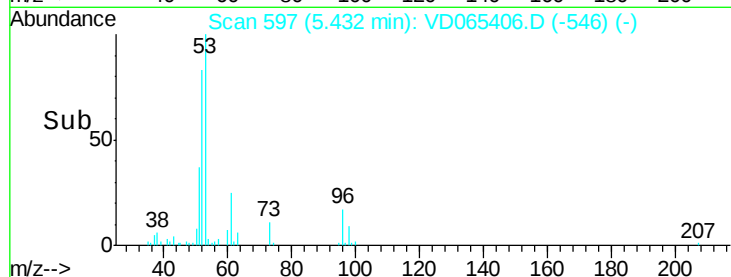
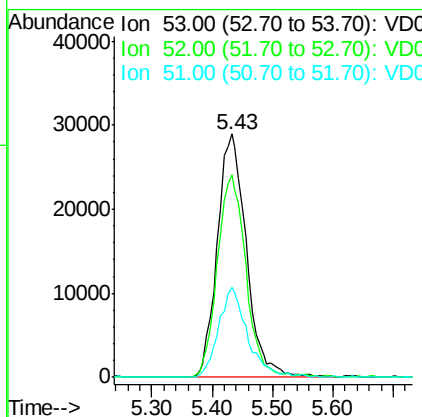
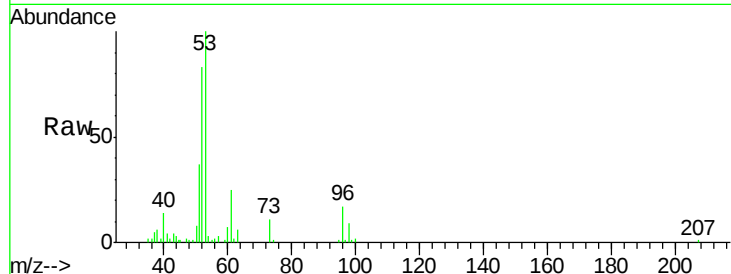
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	96484
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.1	97.7
51	36.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 103.362 ug/l

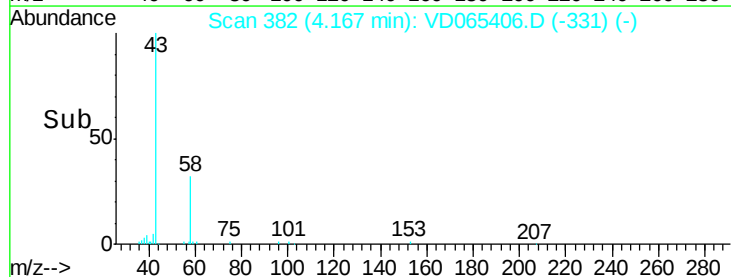
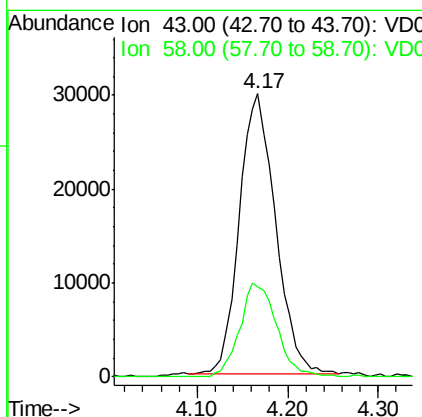
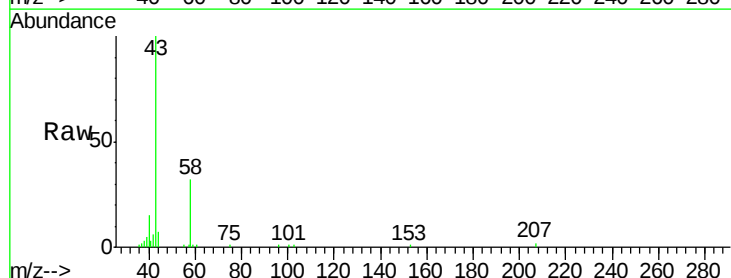
RT: 4.17 min Scan# 382

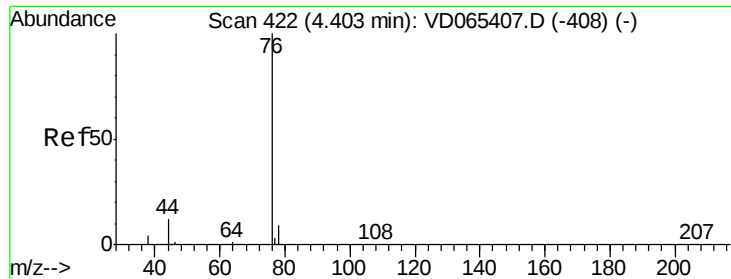
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	43	Resp:	83467
Ion Ratio	Lower	Upper	
43	100		
58	31.9	25.1	37.7





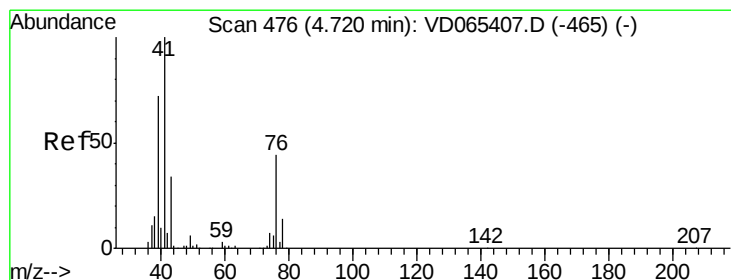
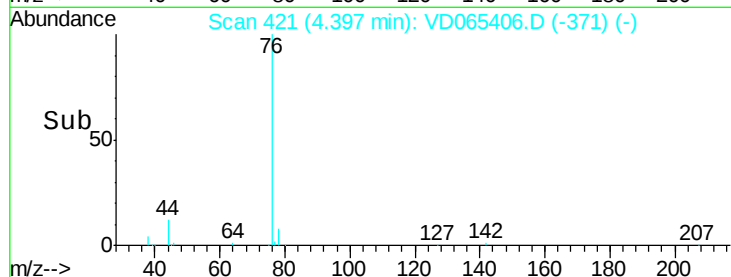
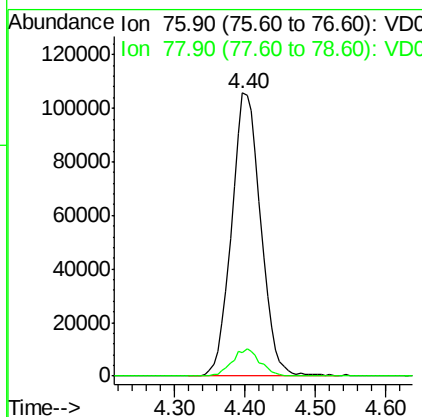
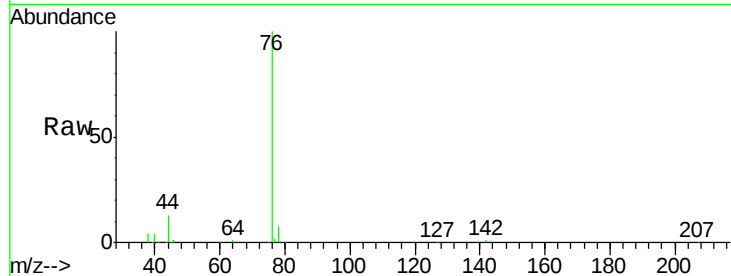
#17
Carbon Disulfide
Concen: 21.248 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

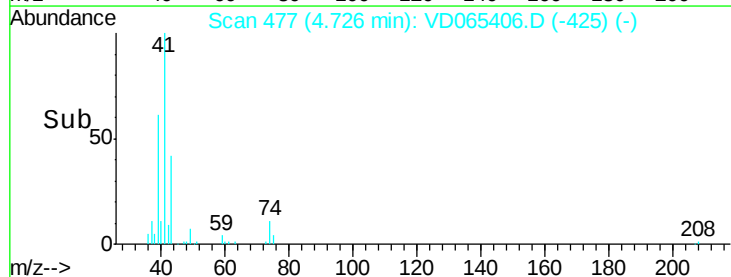
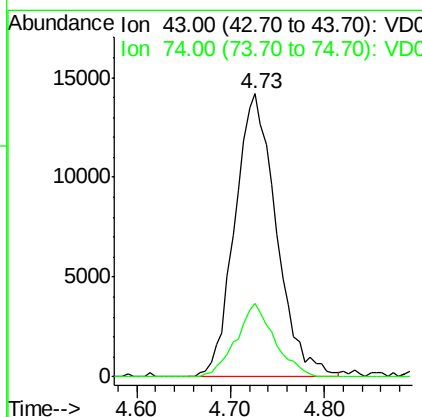
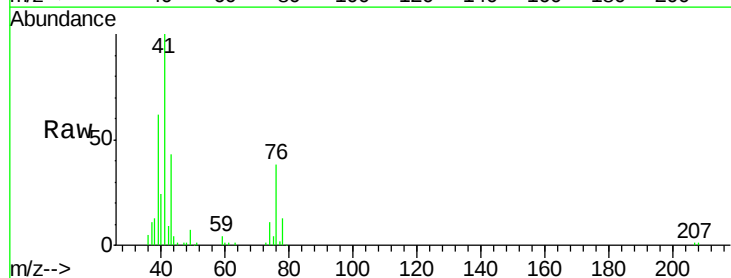
Manual Integrations
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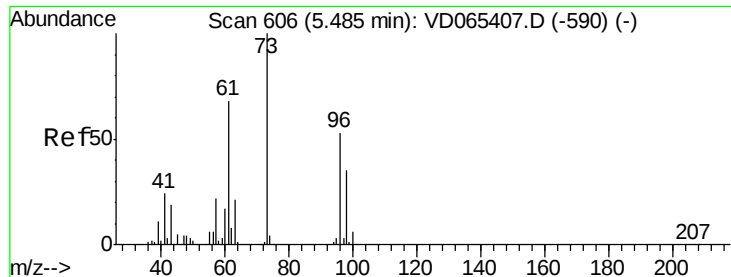
MMDadoda
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#18
Methyl Acetate
Concen: 21.038 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.6	29.4





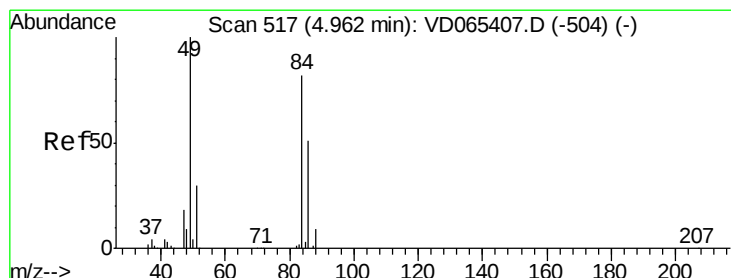
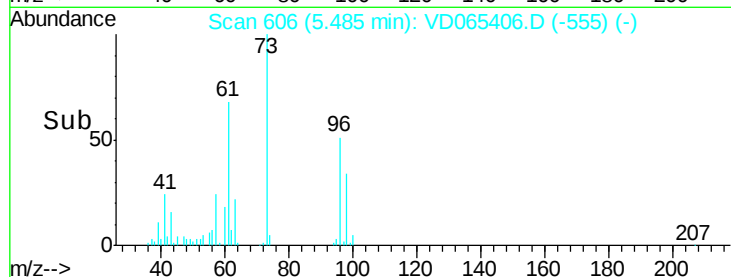
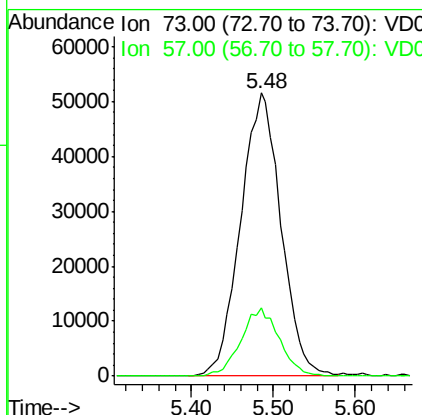
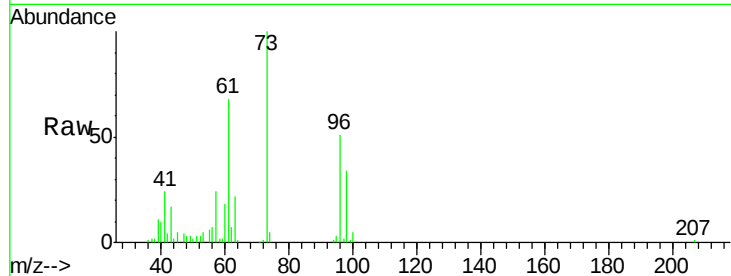
#19
Methyl tert-butyl Ether
Concen: 21.310 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 177328
Ion Ratio Lower Upper
73 100
57 24.4 17.3 25.9

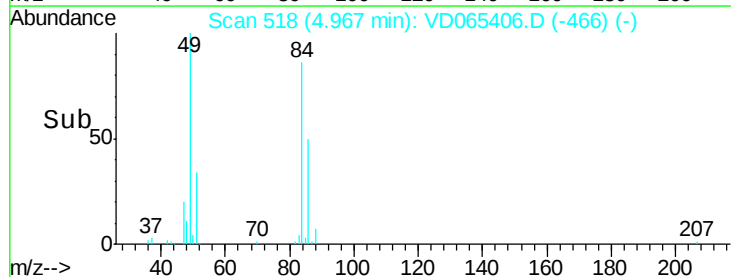
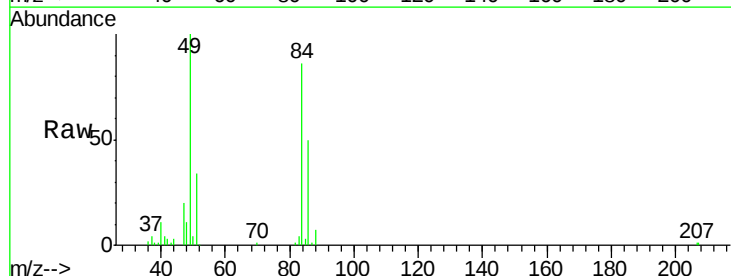
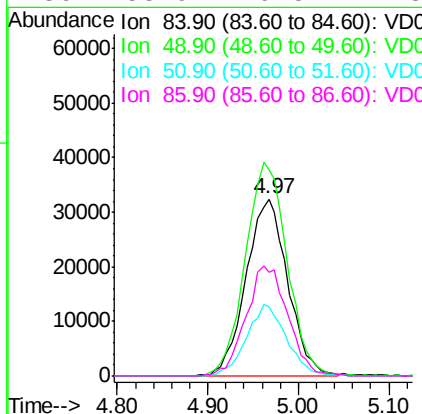
Manual Integrations
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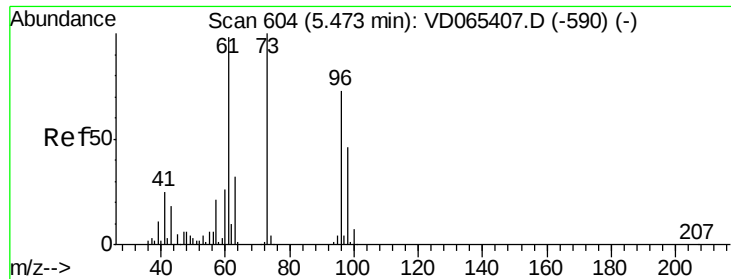
MMDadoda
3/5/2020 1:38:29 PM



#20
Methylene Chloride
Concen: 20.620 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 84 Resp: 103232
Ion Ratio Lower Upper
84 100
49 116.7 97.7 146.5
51 39.2 28.8 43.2
86 58.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.145 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

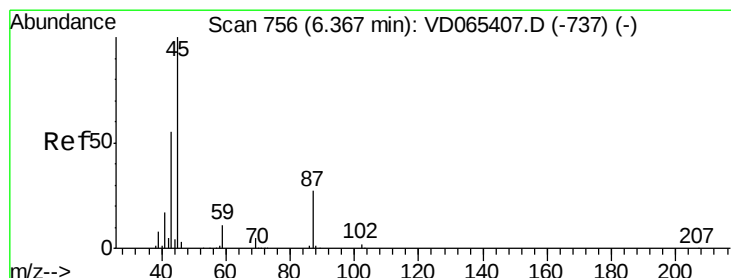
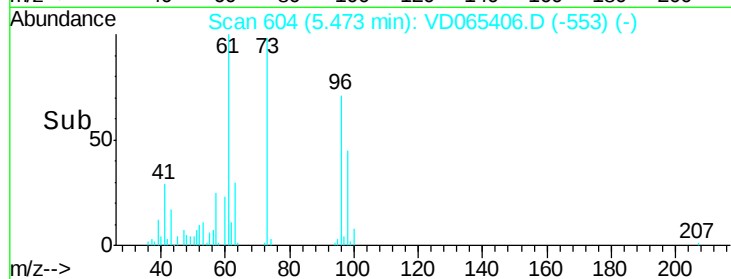
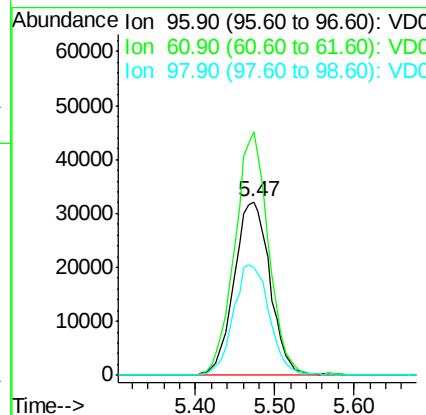
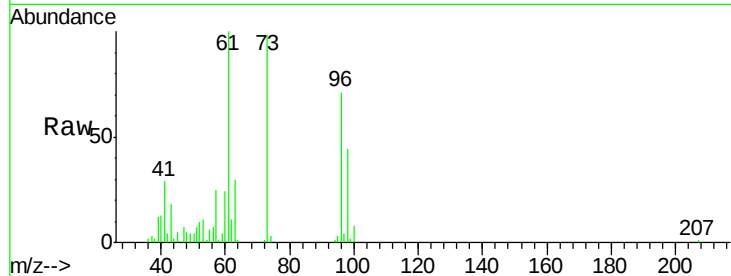
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	100974
Ion	Ratio	Lower	Upper
96	100		
61	140.6	106.3	159.5
98	62.4	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.107 ug/l

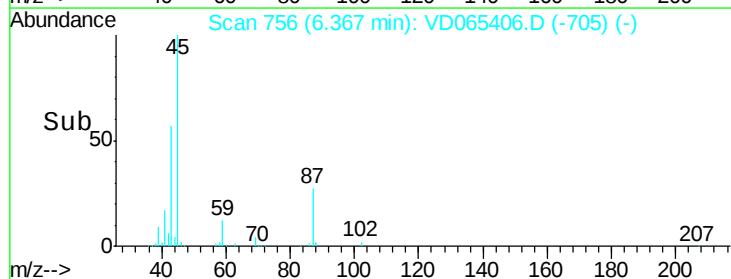
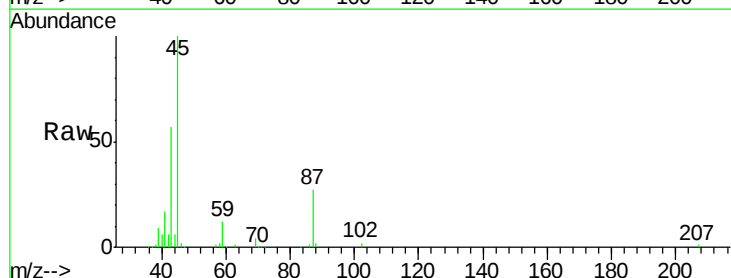
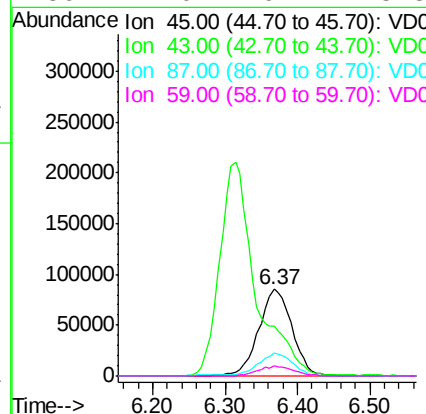
RT: 6.37 min Scan# 756

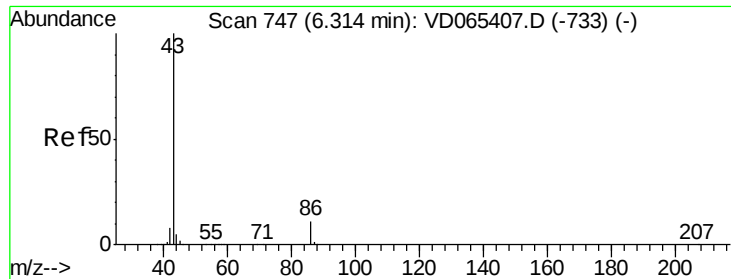
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	45	Resp:	273600
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.4	66.6
87	26.7	21.9	32.9
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 105.709 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 725543

Ion Ratio Lower Upper

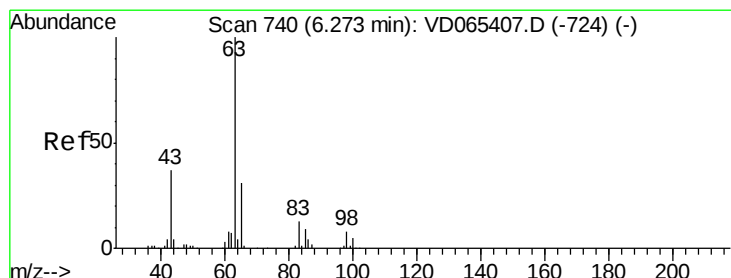
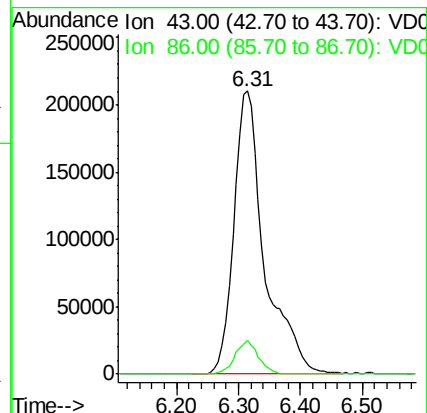
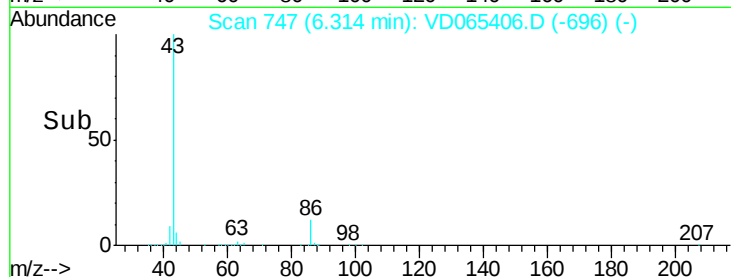
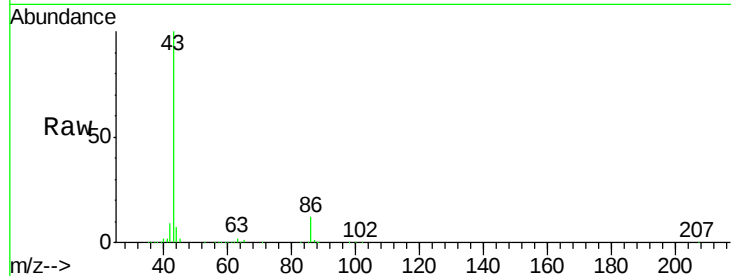
43 100

86 11.8 8.9 13.3

Manual Integrations
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3/5/2020 1:38:29 PM



#24

1,1-Dichloroethane

Concen: 21.398 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

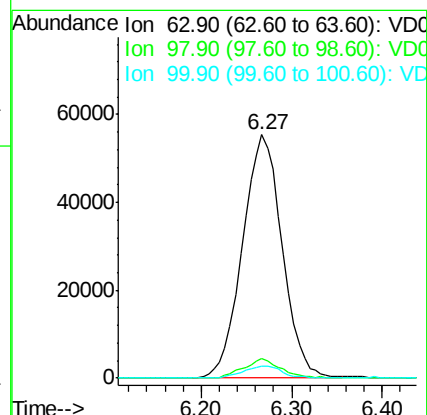
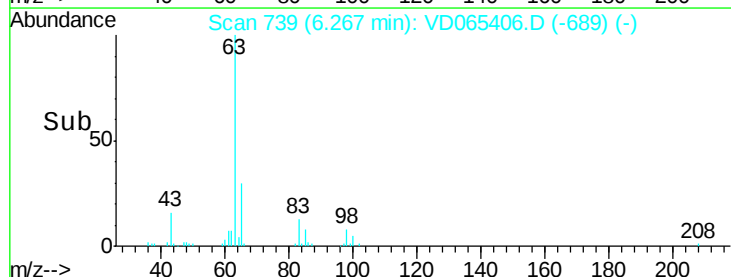
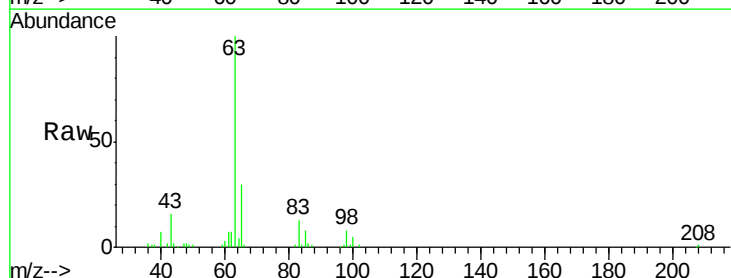
Tgt Ion: 63 Resp: 168216

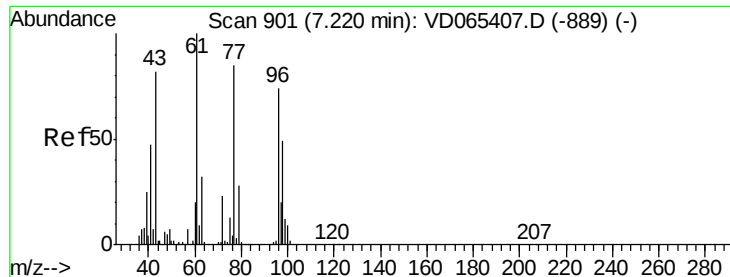
Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 103.646 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 114507

Ion Ratio Lower Upper

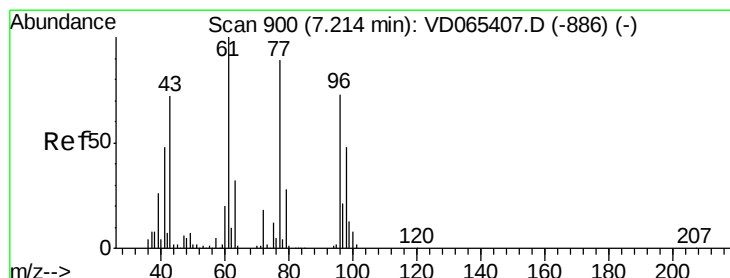
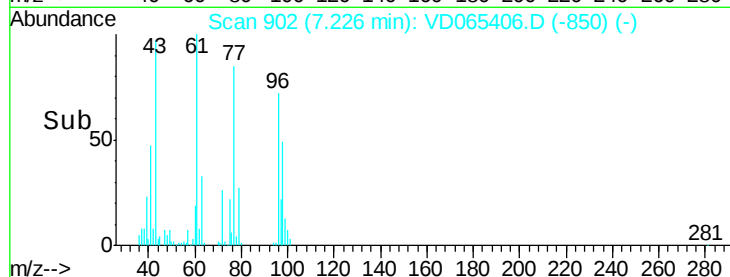
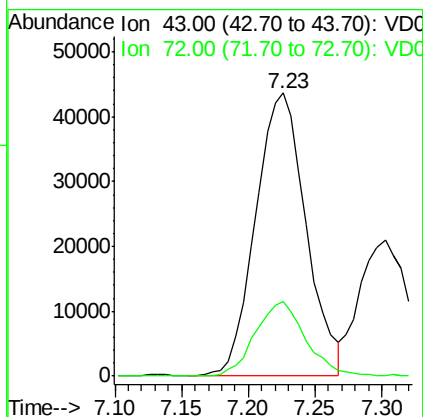
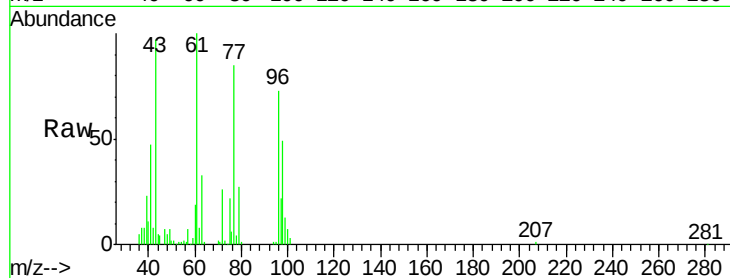
43 100

72 26.6 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 20.238 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065406.D

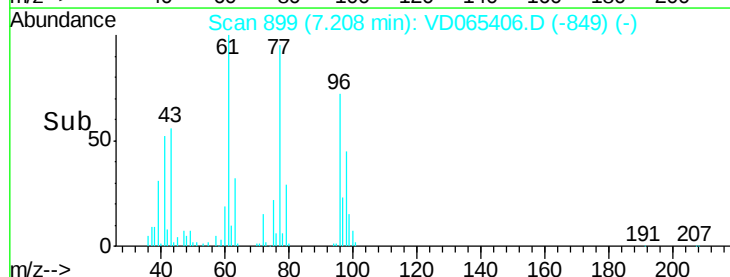
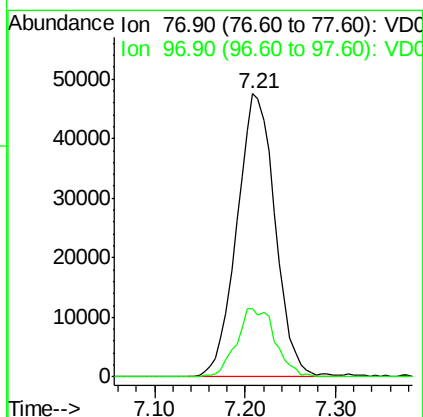
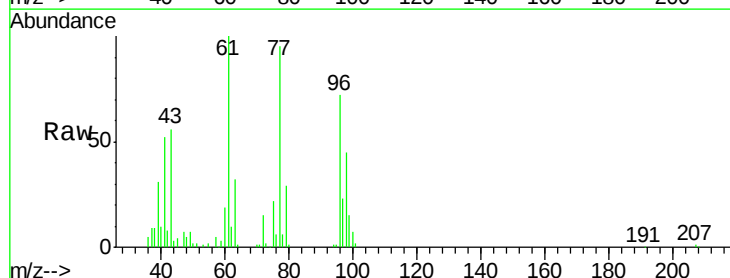
Acq: 04 Mar 2020 11:32

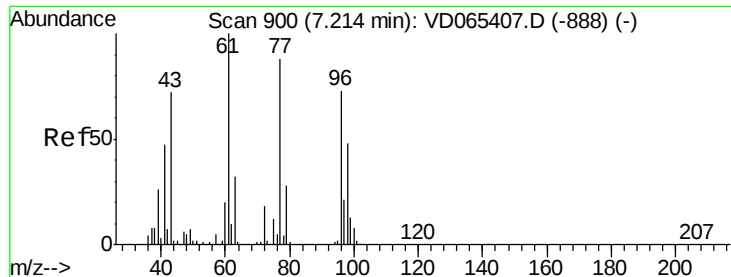
Tgt Ion: 77 Resp: 139056

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 21.372 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

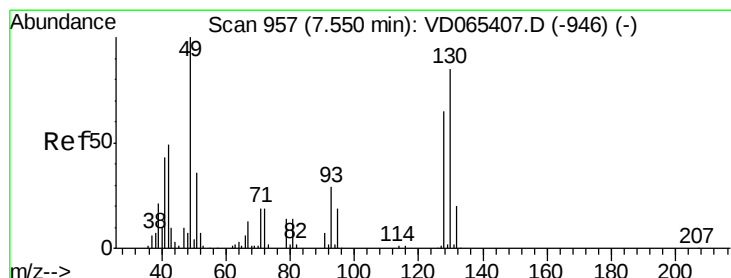
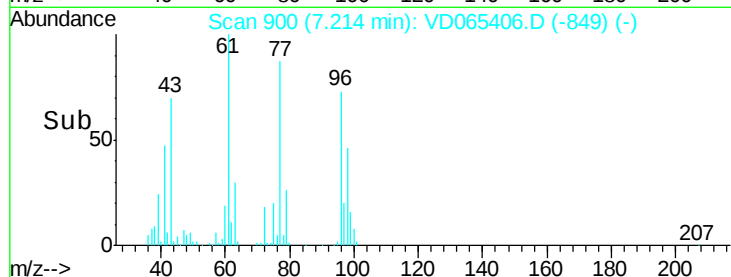
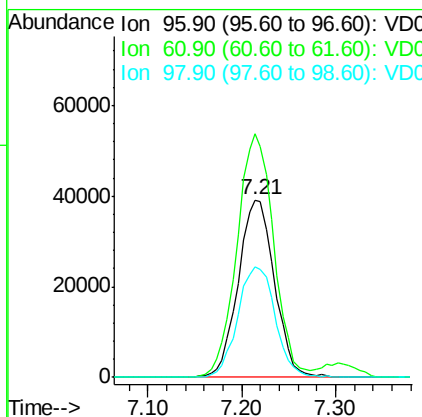
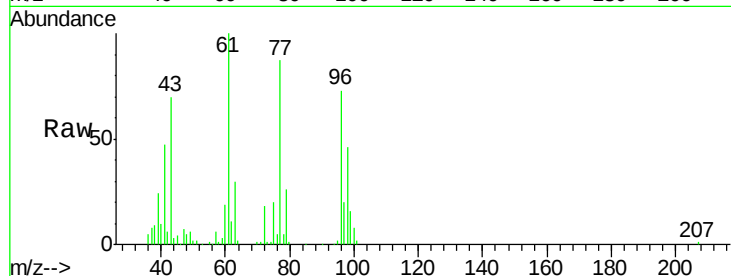
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	104662
Ion Ratio	Lower	Upper	
96	100		
61	139.1	0.0	280.4
98	64.3	0.0	132.6

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#28

Bromochloromethane

Concen: 21.705 ug/l

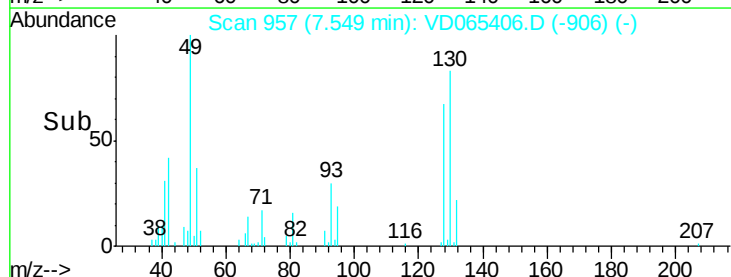
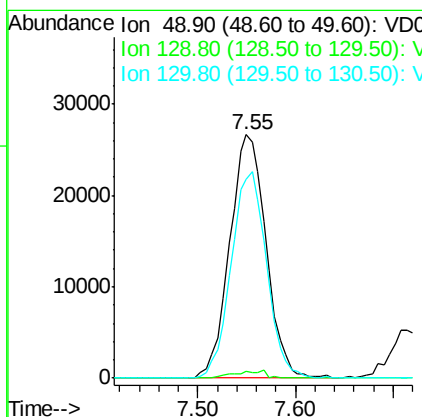
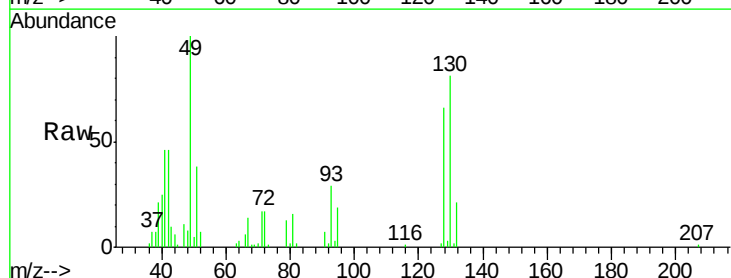
RT: 7.55 min Scan# 957

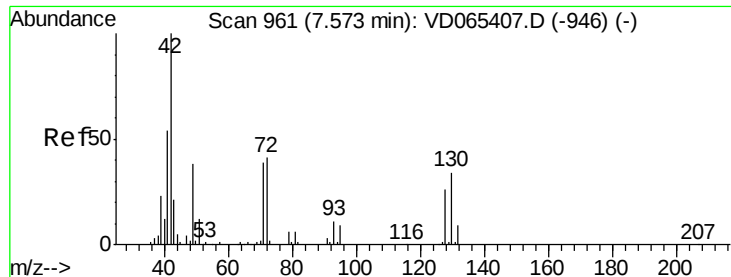
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	49	Resp:	69217
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.6
130	82.4	66.6	100.0





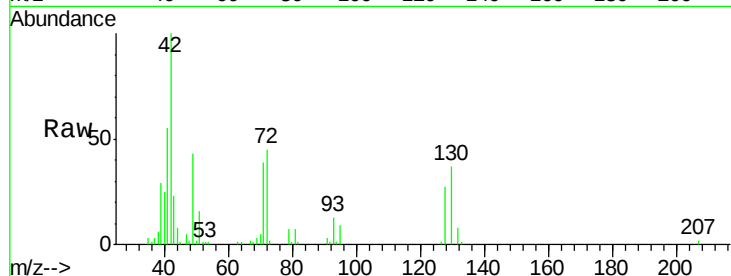
#29
Tetrahydrofuran
Concen: 106.235 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

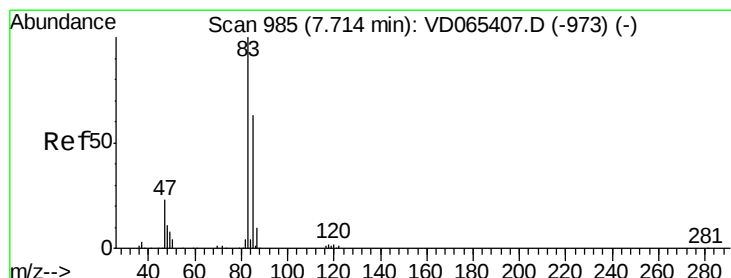
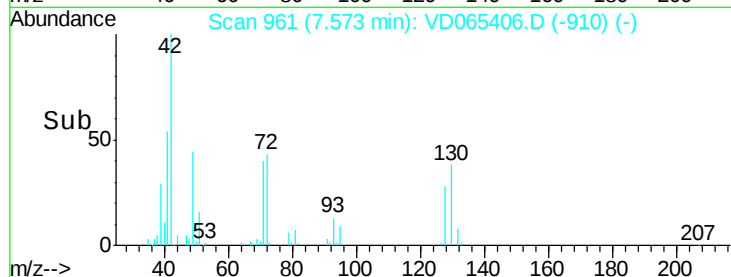
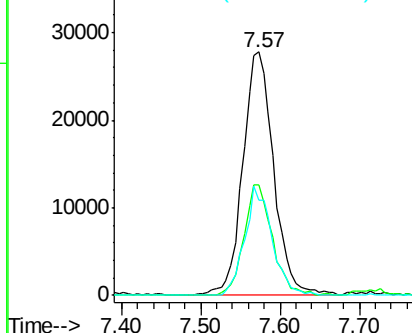
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.0	49.6
71	39.7	32.0	48.0

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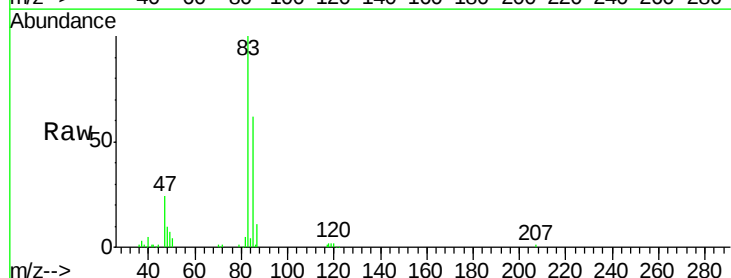


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

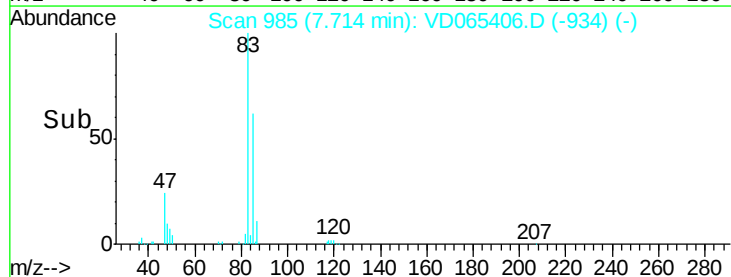
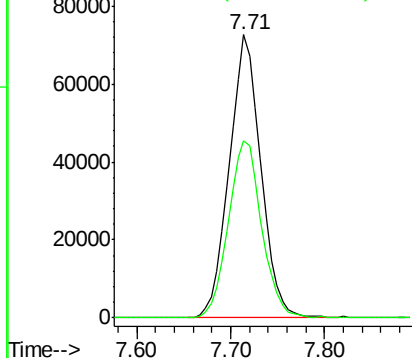


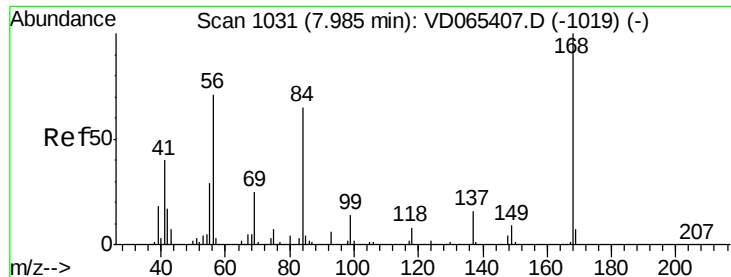
#30
Chloroform
Concen: 21.442 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.3	75.5



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





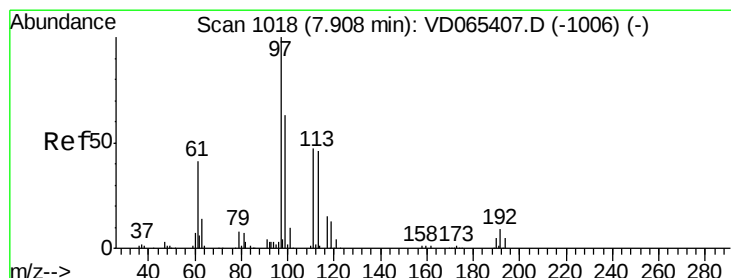
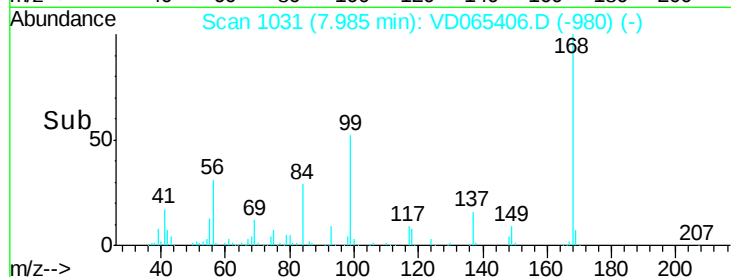
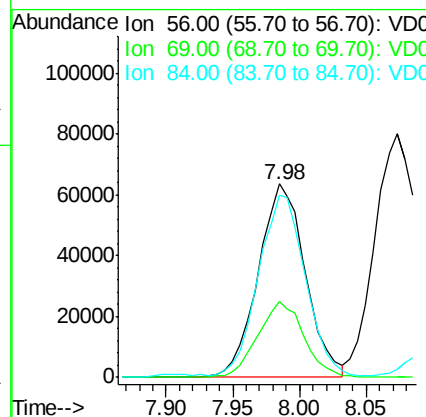
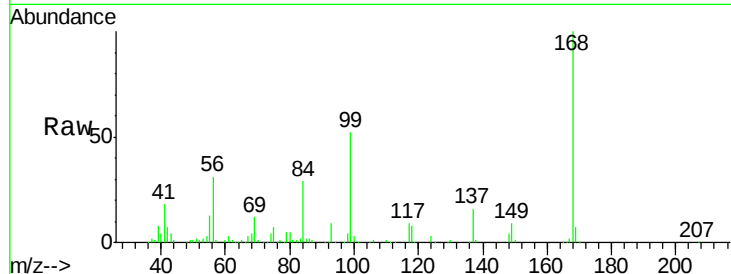
#31
Cyclohexane
Concen: 19.896 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		155641		
69	38.8	28.3	42.5		
84	93.0	73.1	109.7		

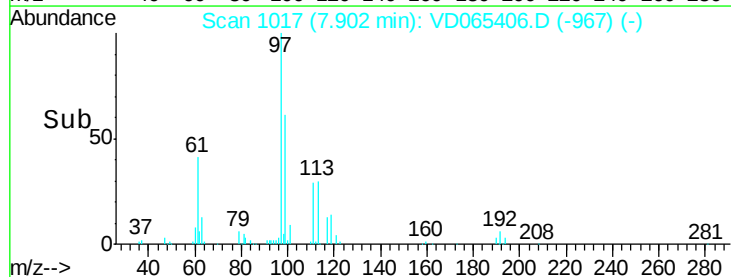
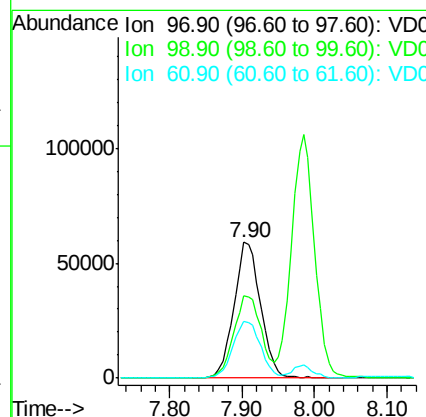
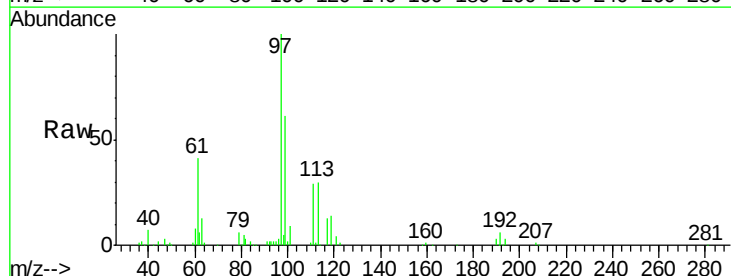
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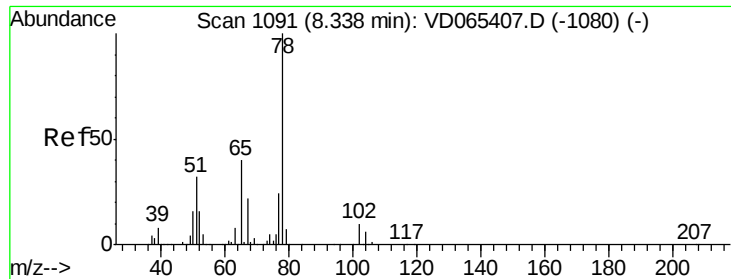
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.768 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		150679		
99	62.5	50.9	76.3		
61	43.4	33.2	49.8		





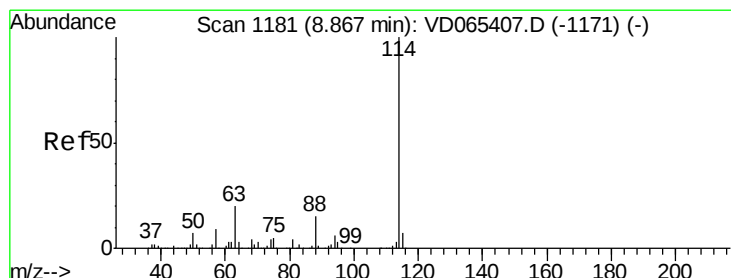
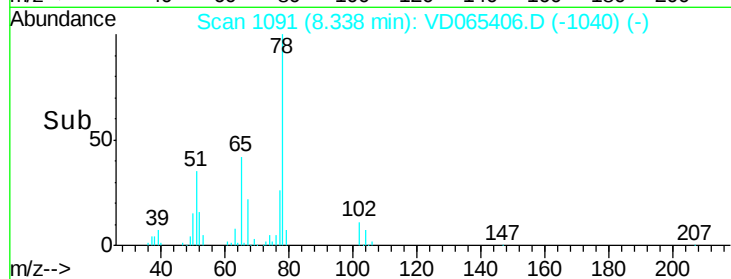
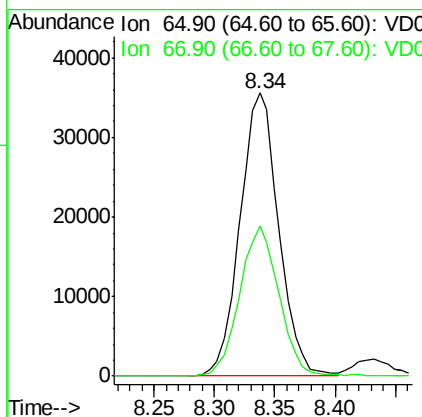
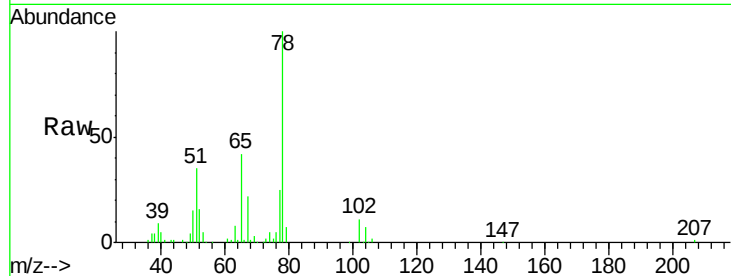
#33
 1,2-Dichloroethane-d4
 Concen: 20.045 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.0

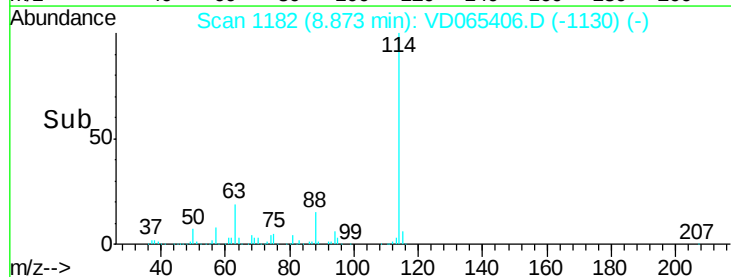
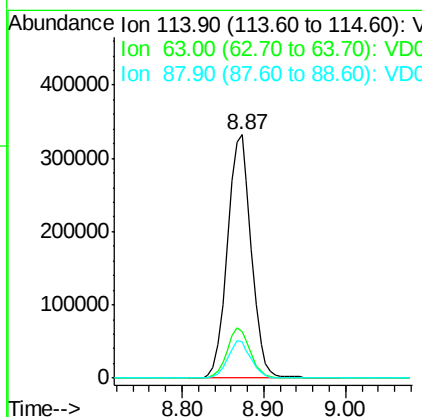
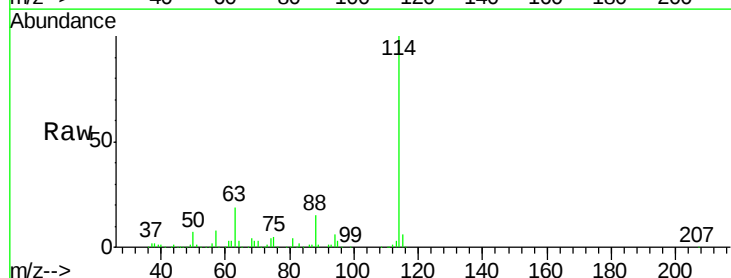
Manual Integrations
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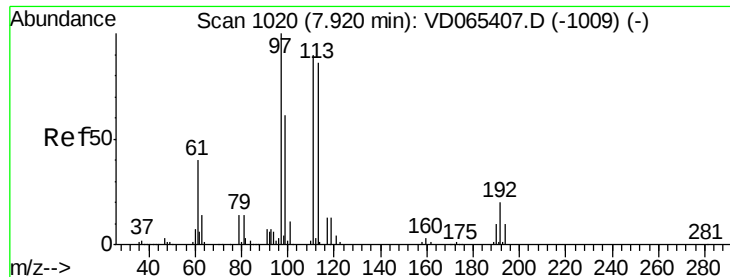
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	14.8	0.0	30.4





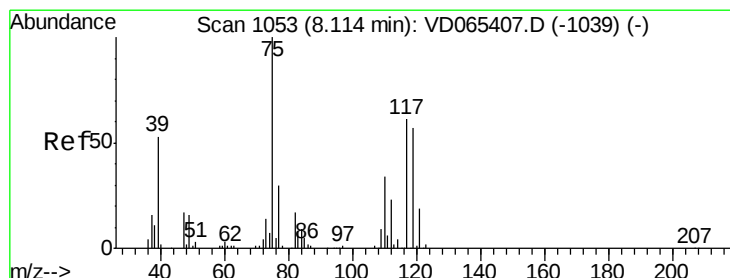
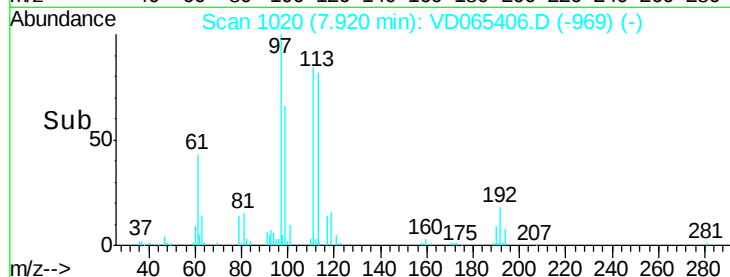
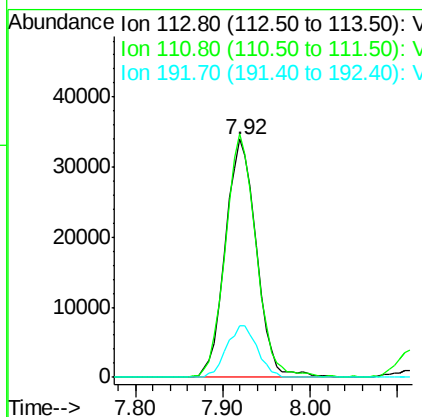
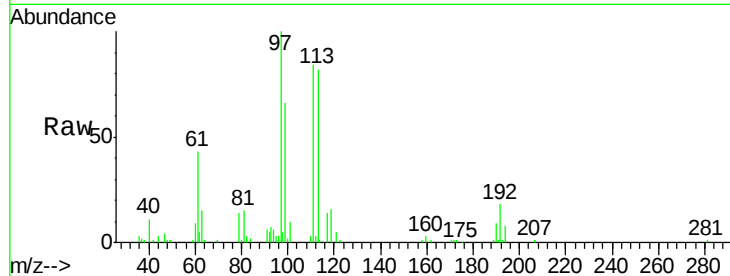
#35
 Dibromofluoromethane
 Concen: 19.750 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.1	123.1
192	21.1	17.2	25.8

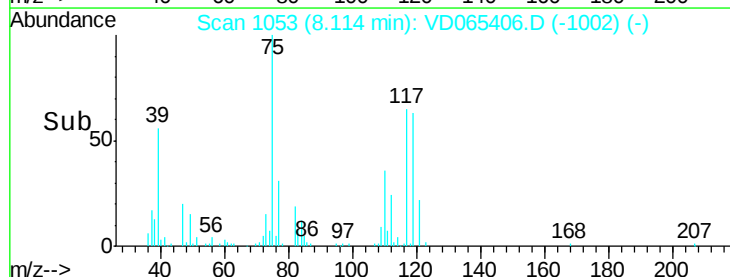
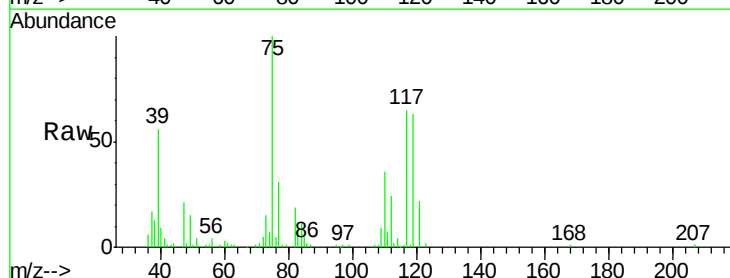
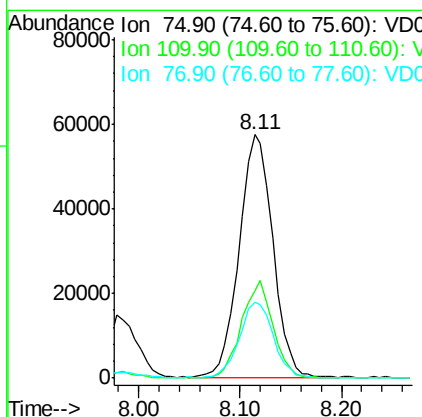
Manual Integrations
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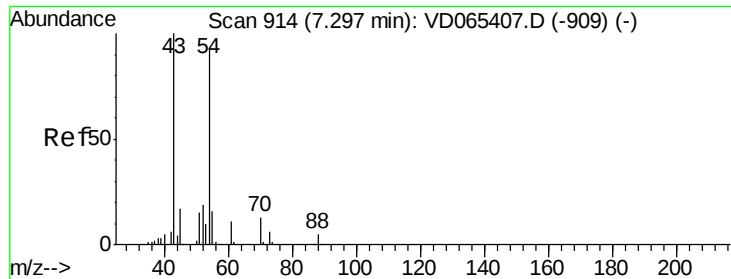
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#36
 1,1-Dichloropropene
 Concen: 20.533 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.1	54.1
77	31.7	25.2	37.8





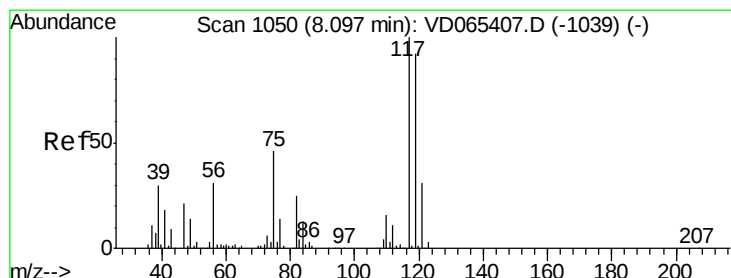
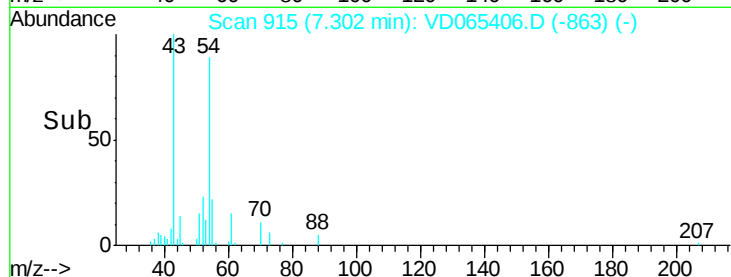
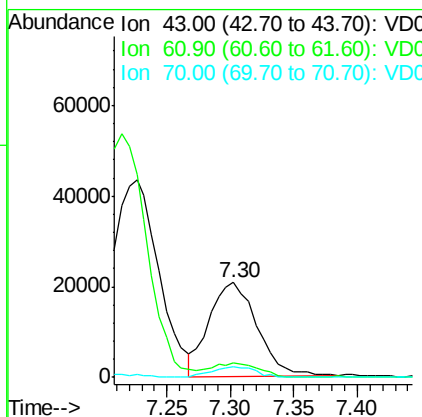
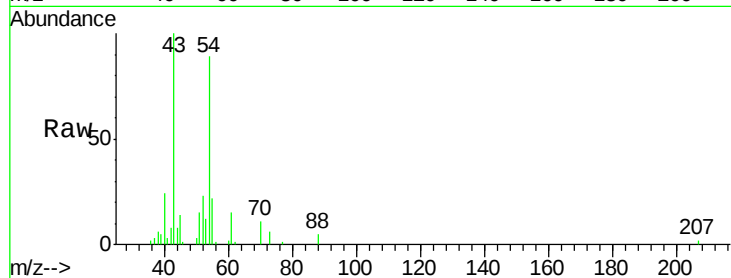
#37
Ethyl Acetate
Concen: 21.598 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	10.6	9.0	13.4

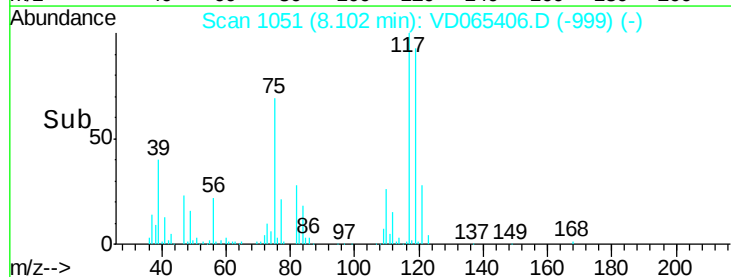
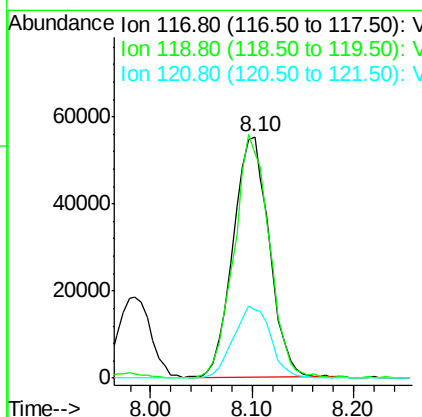
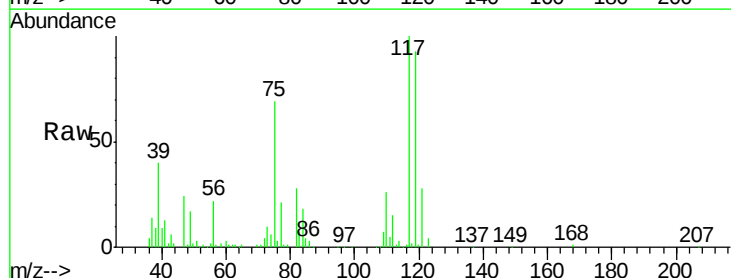
Manual Integrations
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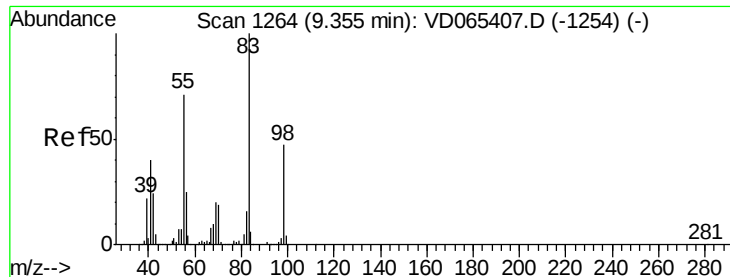
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#38
Carbon Tetrachloride
Concen: 20.416 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	73.3	109.9
121	28.4	25.0	37.4





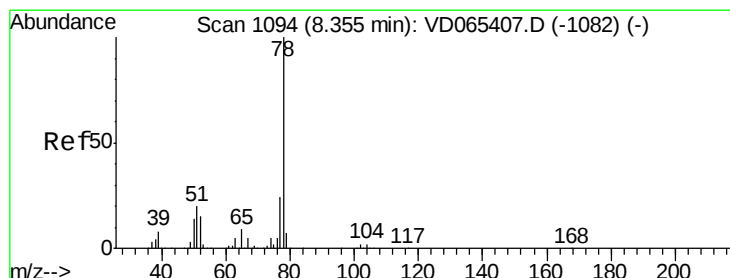
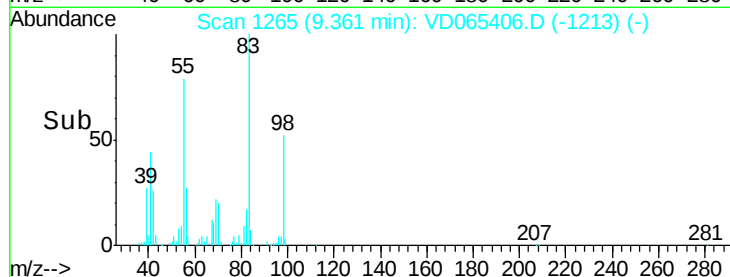
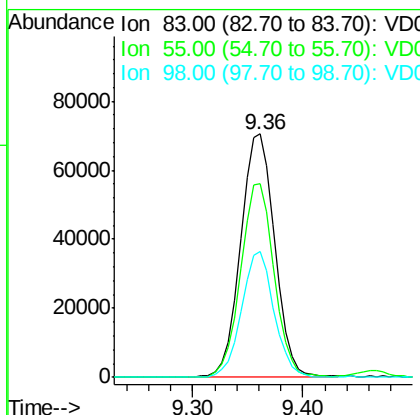
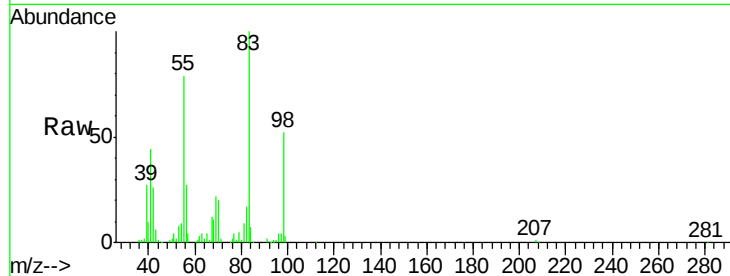
#39
Methvlcvclohexane
Concen: 19.873 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	57.1	85.7
98	51.9	37.8	56.8

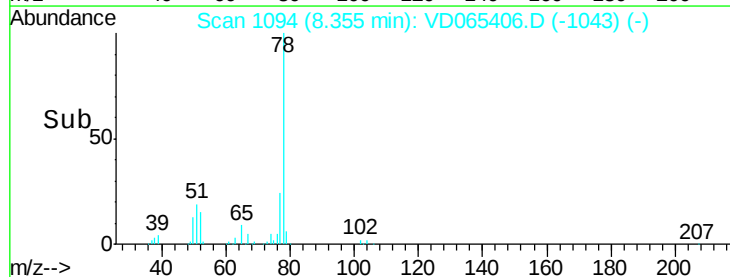
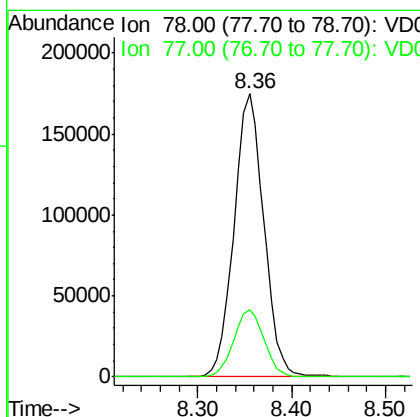
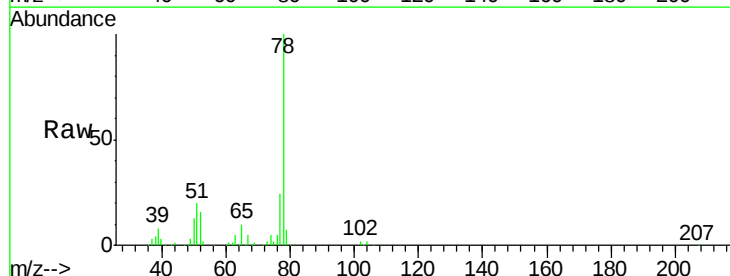
Manual Integrations
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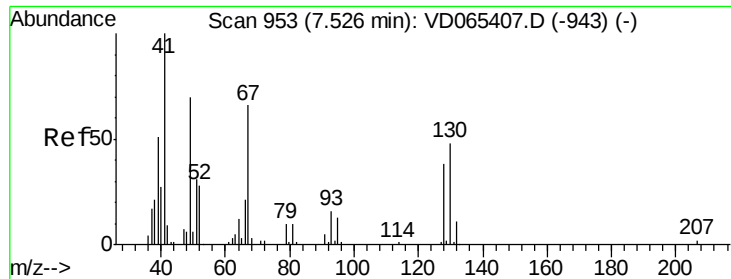
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#40
Benzene
Concen: 21.260 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





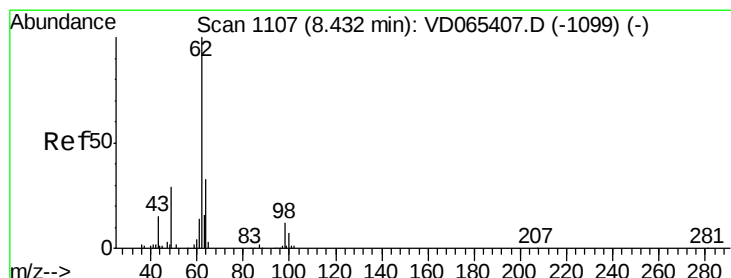
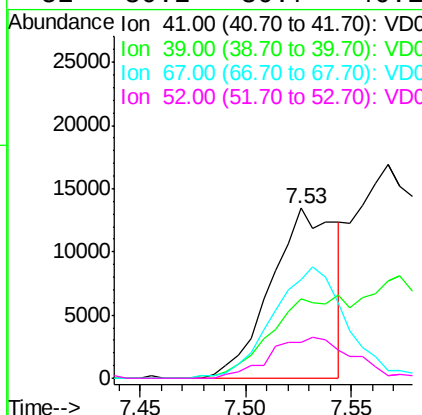
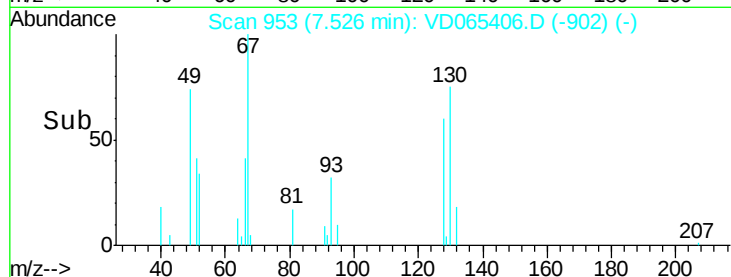
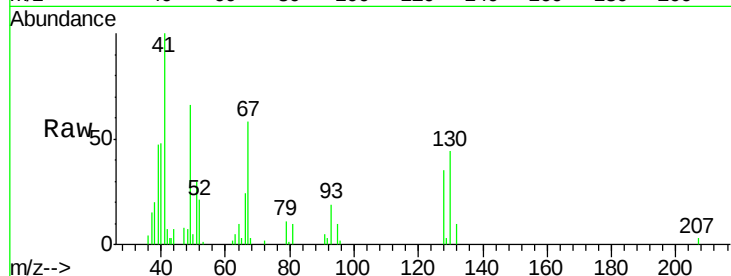
#41
Methacrylonitrile
Concen: 22.392 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	55.0	82.6
67	74.2	70.3	105.5
52	30.2	30.7	46.1

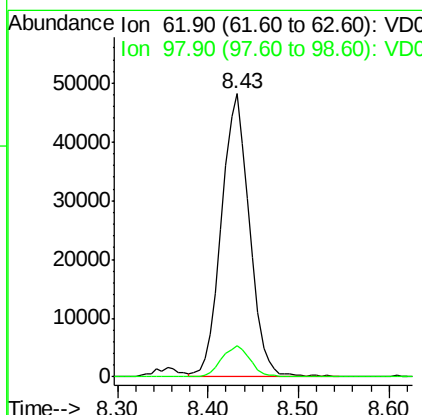
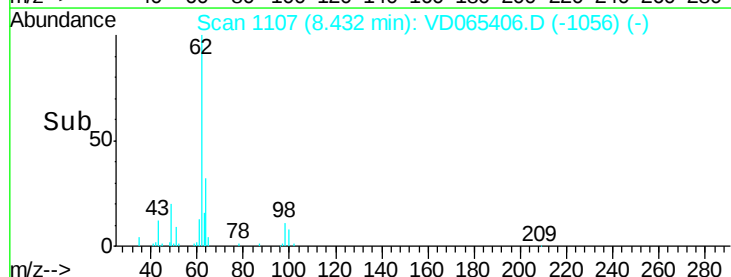
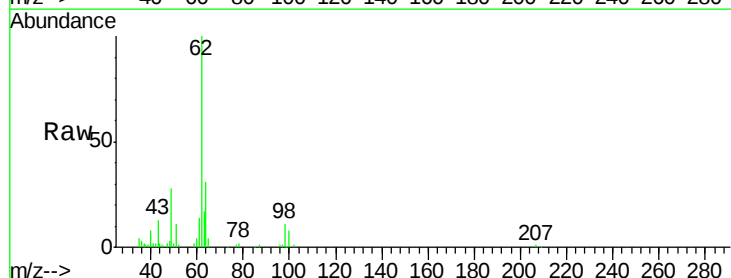
Manual Integrations
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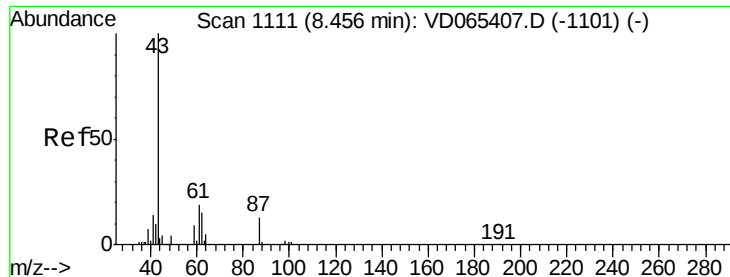
MMDadoda
3/5/2020 1:38:29 PM



#42
1,2-Dichloroethane
Concen: 21.736 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





#43

Isopropyl Acetate

Concen: 20.237 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

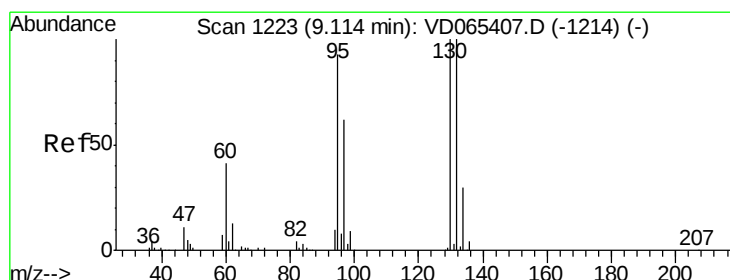
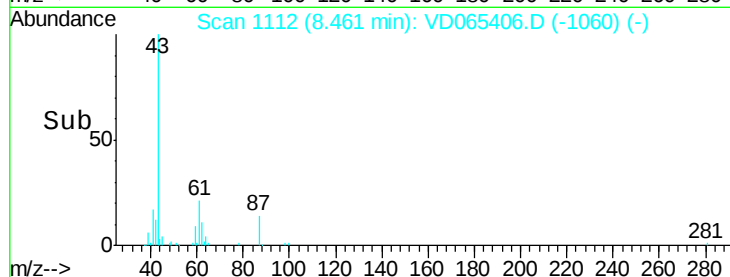
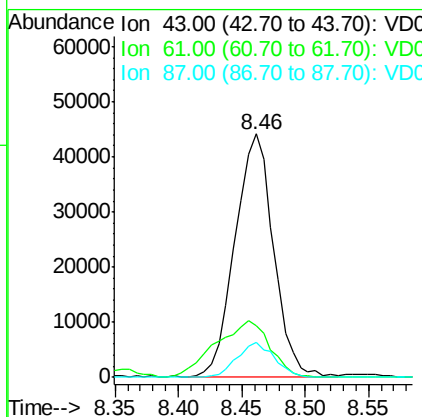
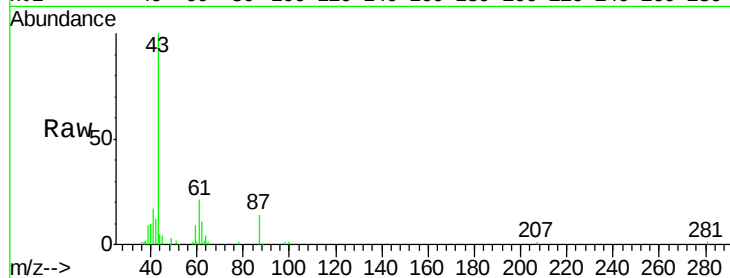
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	93717
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.0	37.6
87	13.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.898 ug/l

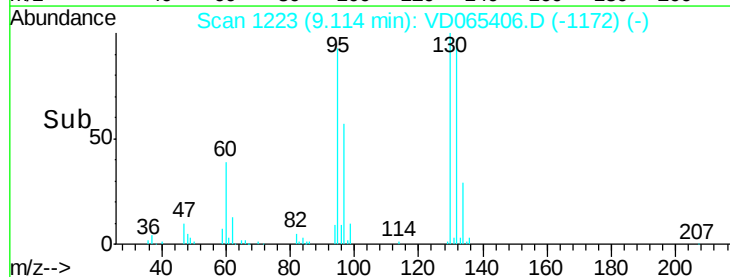
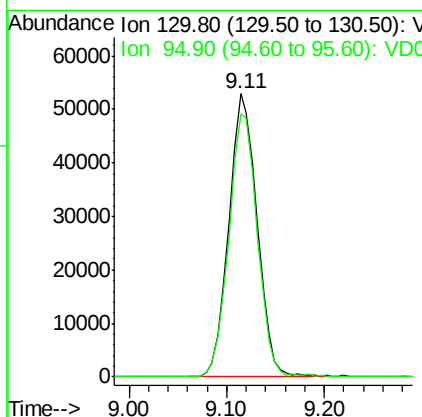
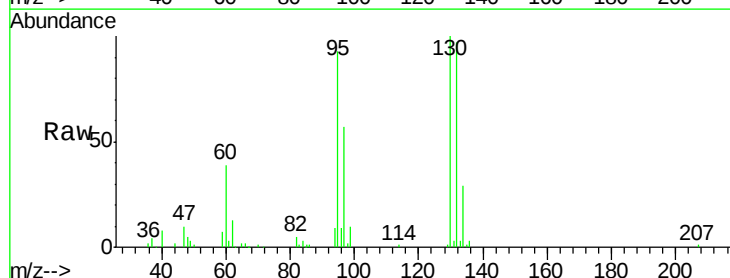
RT: 9.11 min Scan# 1223

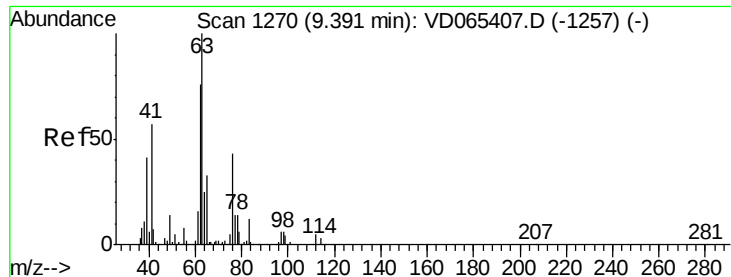
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	130	Resp:	106323
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	186.0





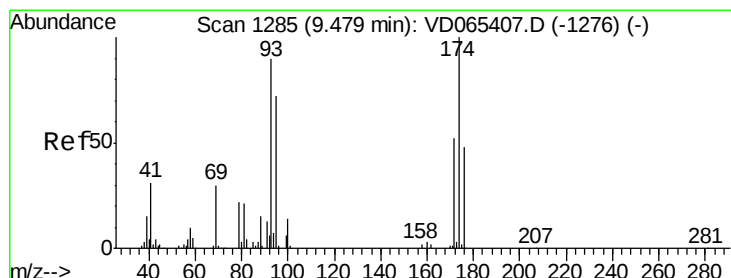
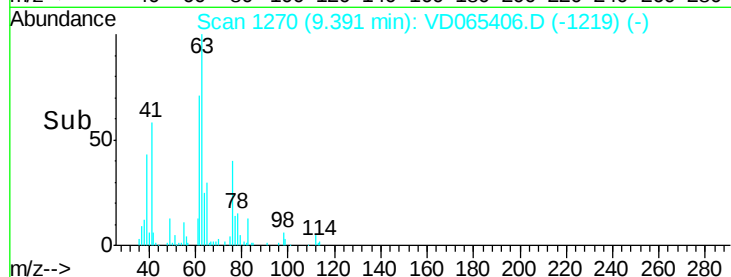
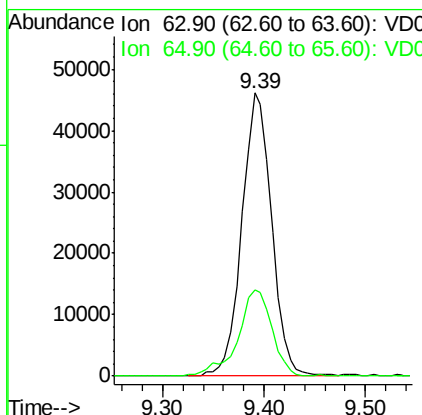
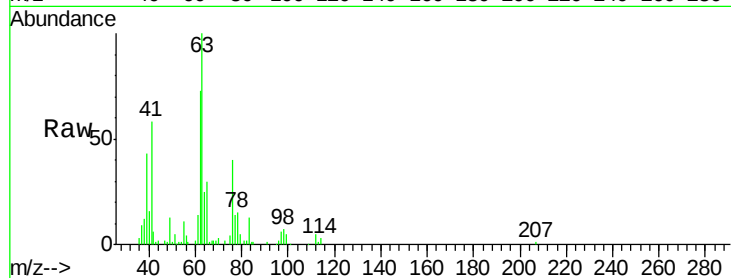
#45
 1,2-Dichloropropane
 Concen: 21.335 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	26.4	39.6

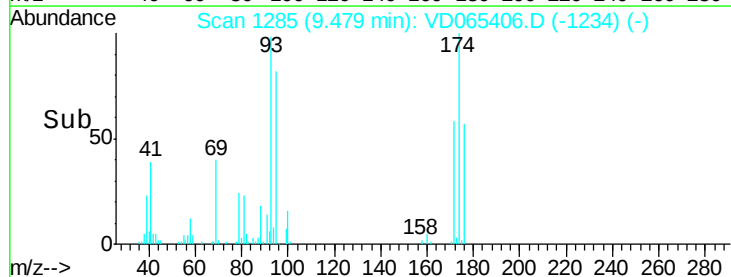
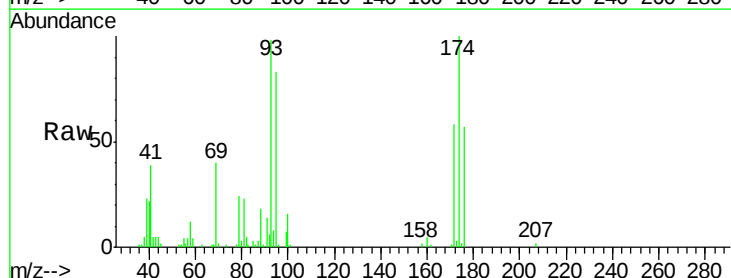
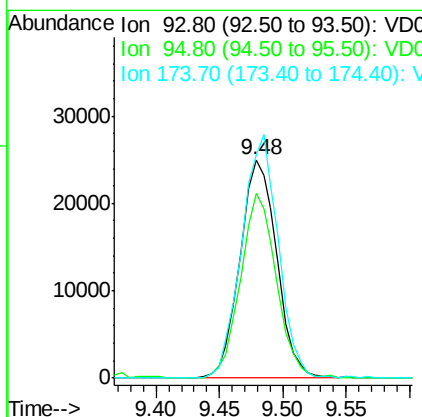
Manual Integrations
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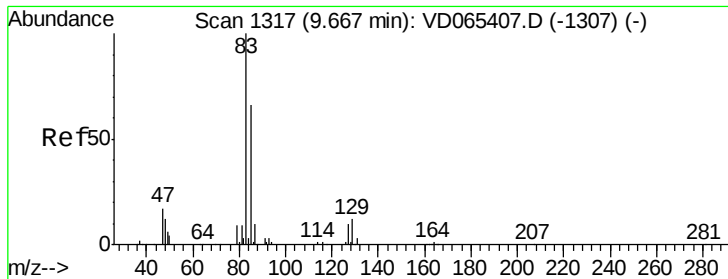
MMDadoda
 3/5/2020 1:38:29 PM



#46
 Dibromomethane
 Concen: 22.056 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	110.5	88.3	132.5





#47

Bromodichloromethane

Concen: 21.601 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

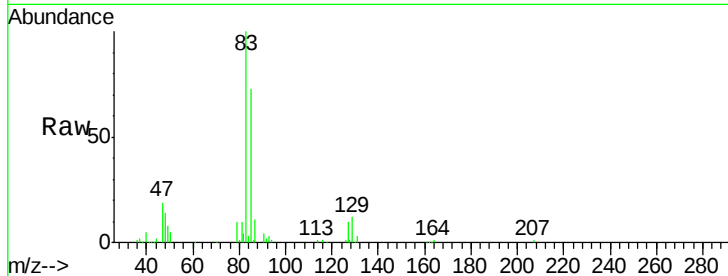
ClientSampleId :

VSTDIC020

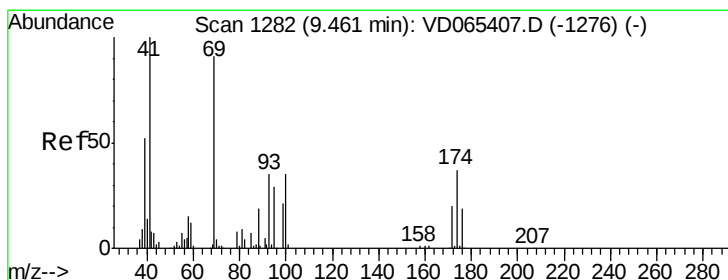
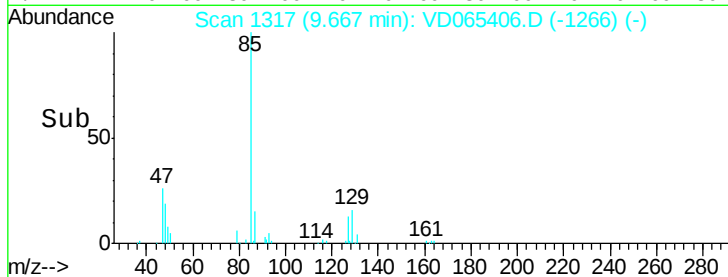
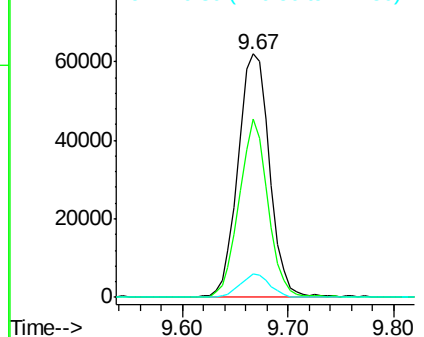
Tot Ion:	83	Resp:	128344
Ion	Ratio	Lower	Upper
83	100		
85	73.4	52.8	79.2
127	9.7	8.0	12.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.680 ug/l

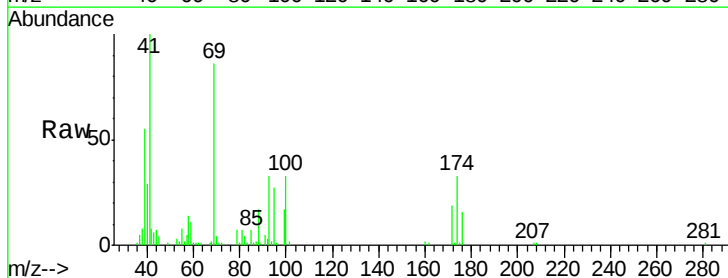
RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

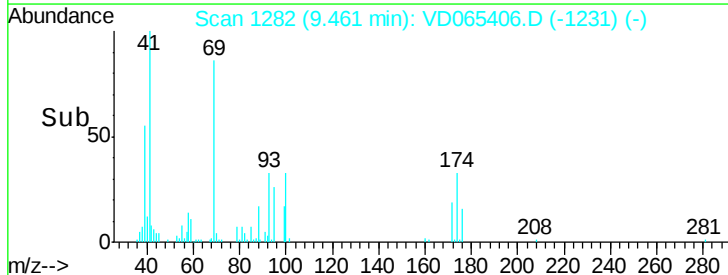
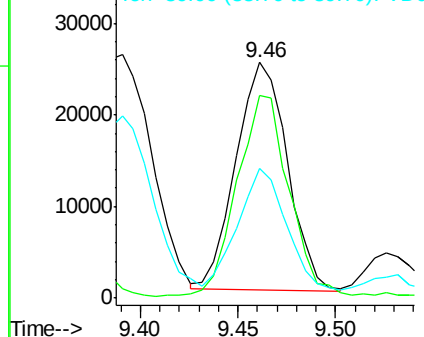
Lab File: VD065406.D

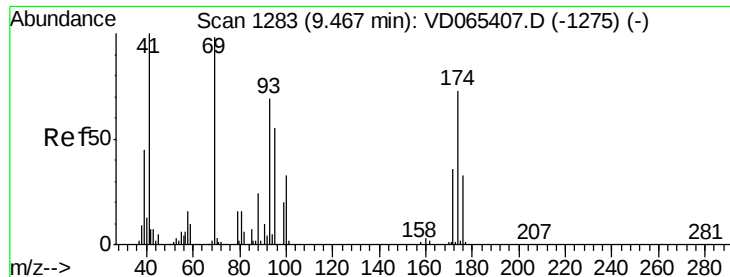
Acq: 04 Mar 2020 11:32

Tgt Ion:	41	Resp:	45303
Ion	Ratio	Lower	Upper
41	100		
69	89.1	72.5	108.7
39	58.5	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





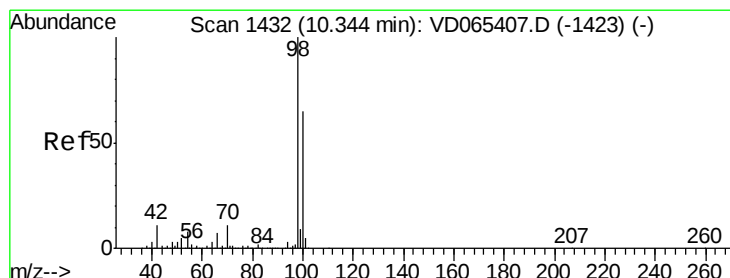
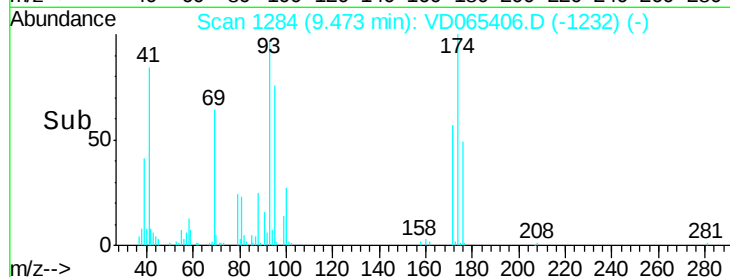
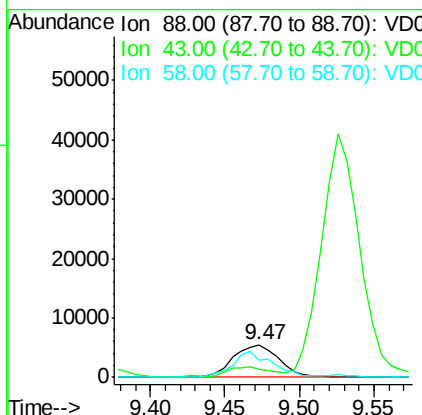
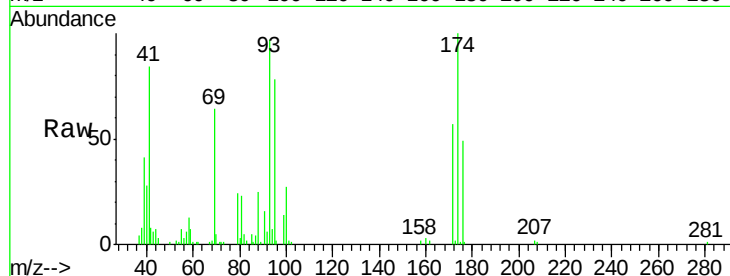
#49
1,4-Dioxane
Concen: 435.830 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	11481
Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.5	36.7
58	70.5	54.5	81.7

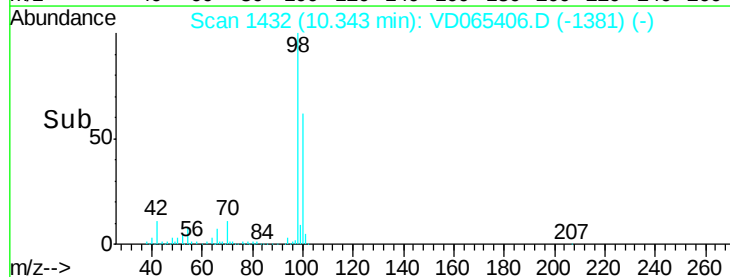
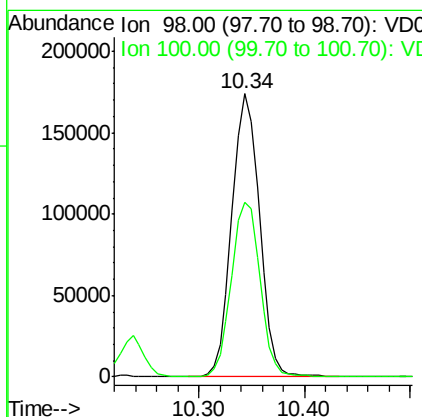
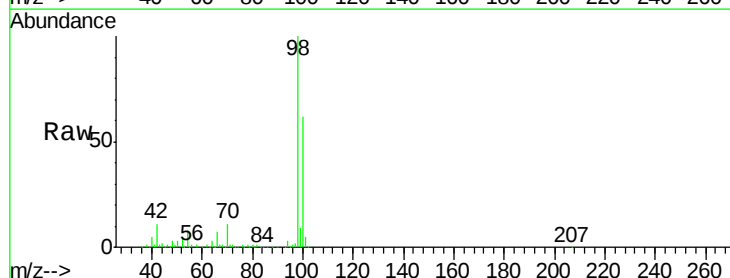
Manual Integrations
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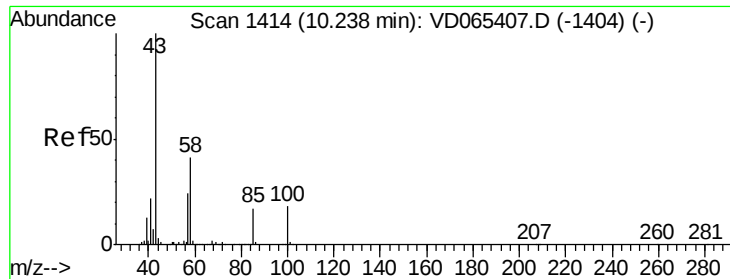
MMDadoda
3/5/2020 1:38:29 PM



#50
Toluene-d8
Concen: 19.748 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	98	Resp	316077
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.8	79.2





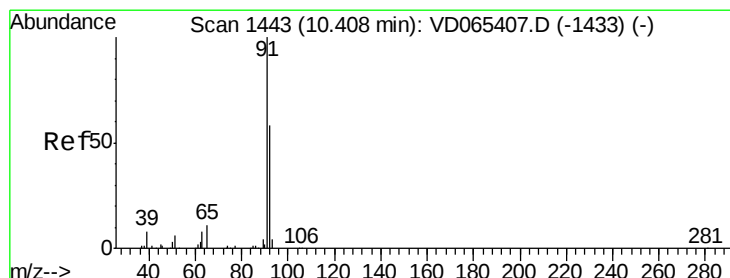
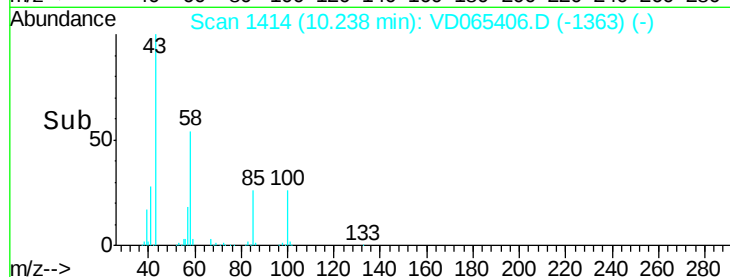
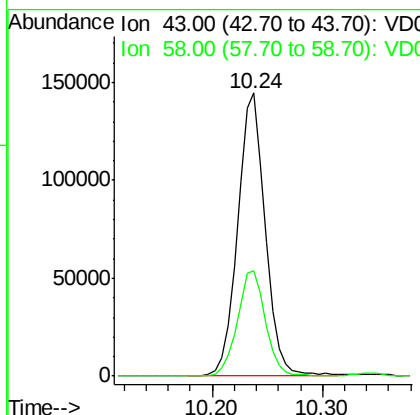
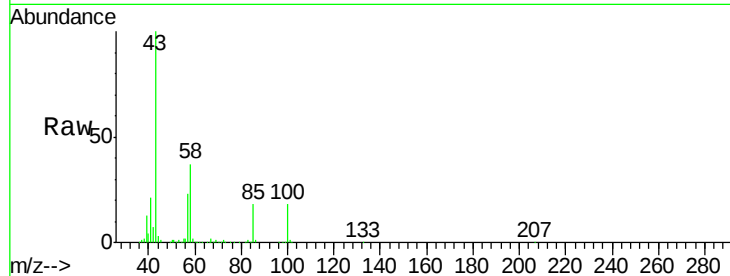
#51
4-Methyl-2-Pentanone
Concen: 108.181 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.8	47.6

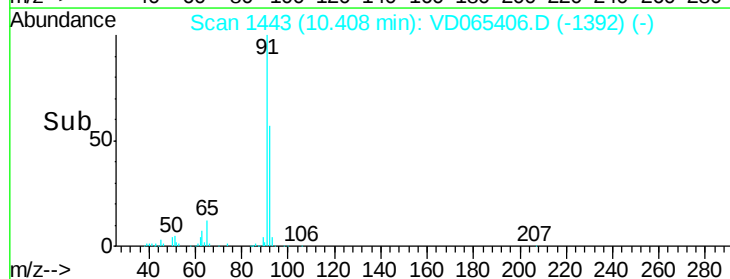
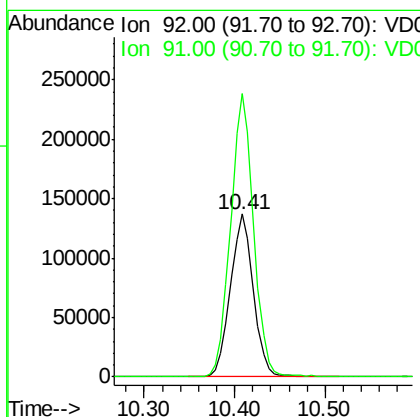
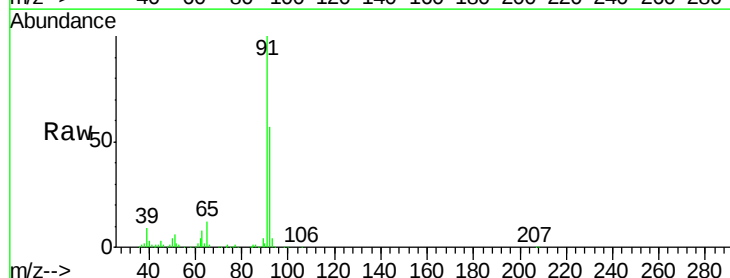
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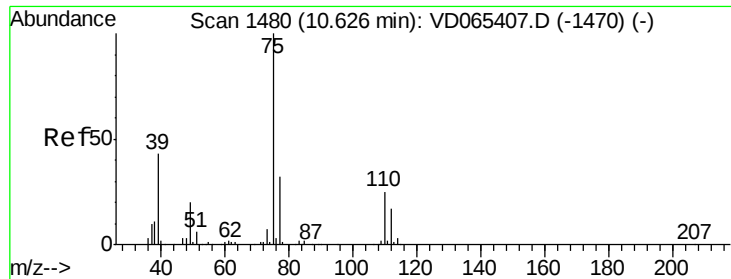
MMDadoda
3/5/2020 1:38:29 PM



#52
Toluene
Concen: 21.176 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	137.8	206.8





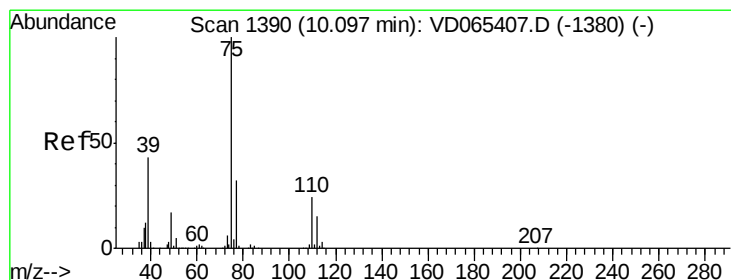
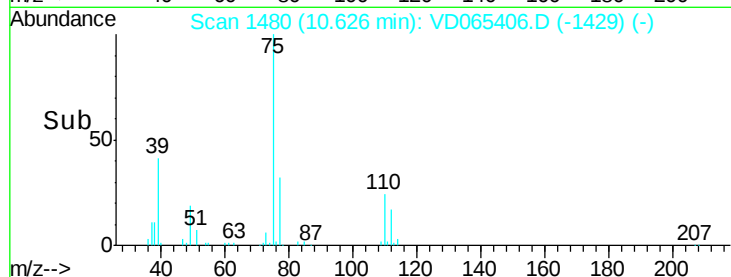
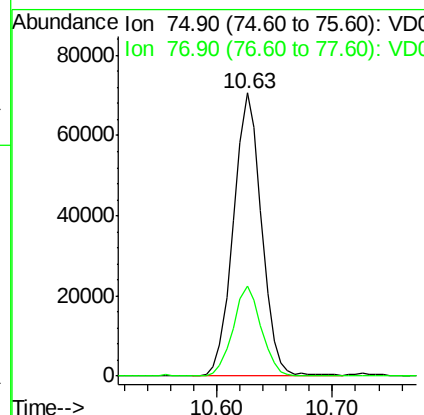
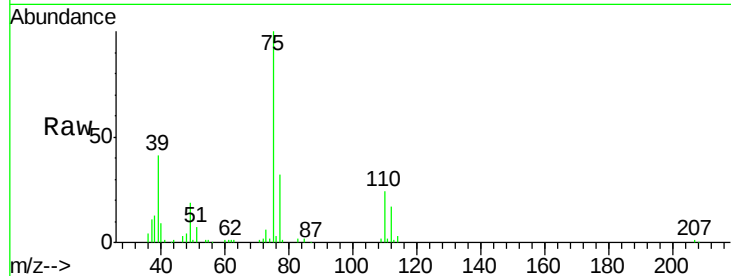
#53
 t-1,3-Dichloropropene
 Concen: 21.415 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 119719
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

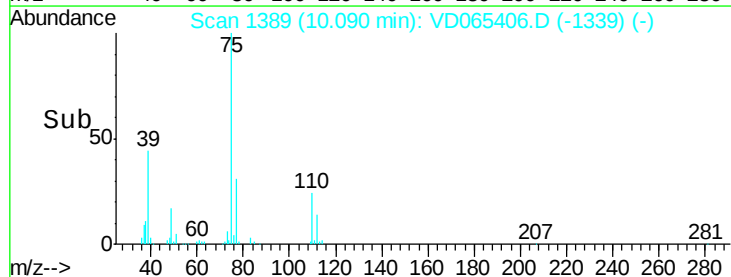
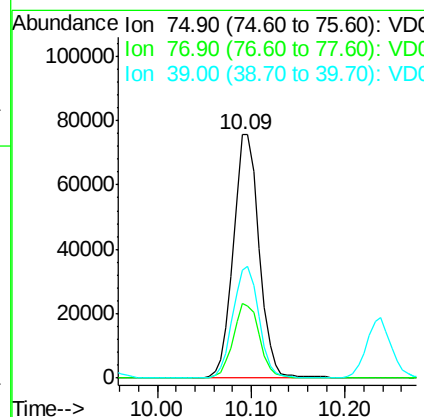
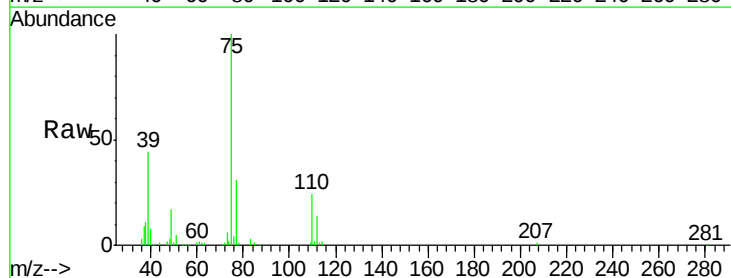
Manual Integrations
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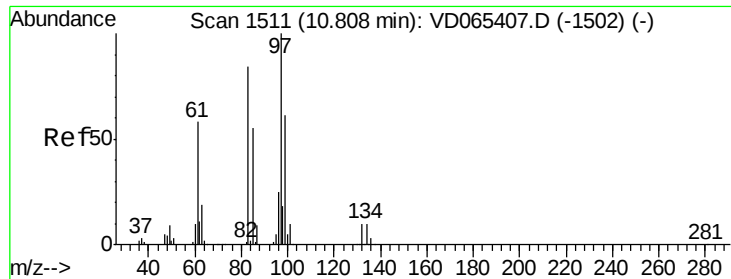
MMDadoda
 3/5/2020 1:38:29 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.480 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 75 Resp: 145024
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.3 37.9
 39 44.2 34.6 52.0





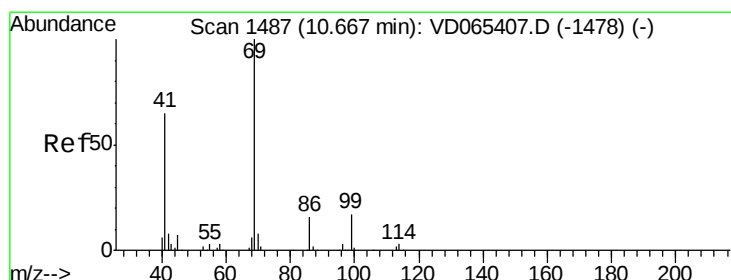
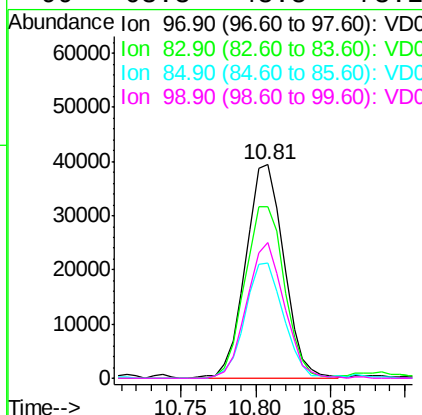
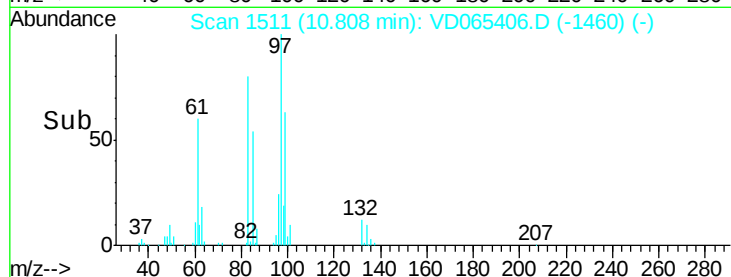
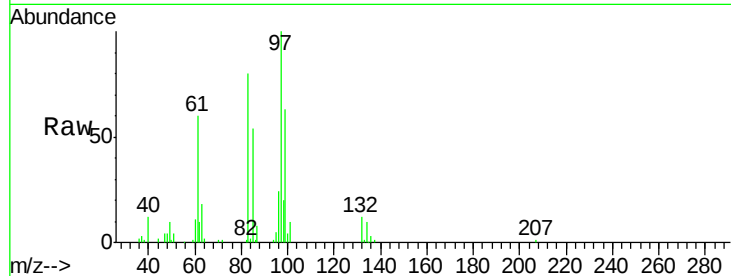
#55
 1,1,2-Trichloroethane
 Concen: 21.613 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	69952
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.4	101.0
85	53.7	43.8	65.8
99	63.3	48.8	73.2

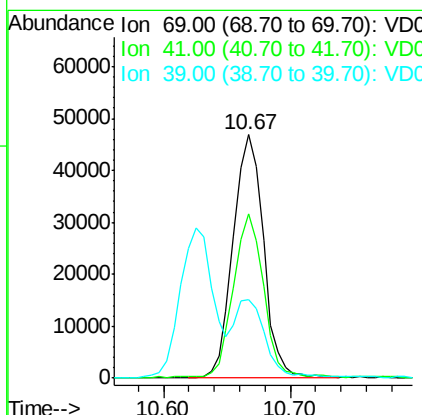
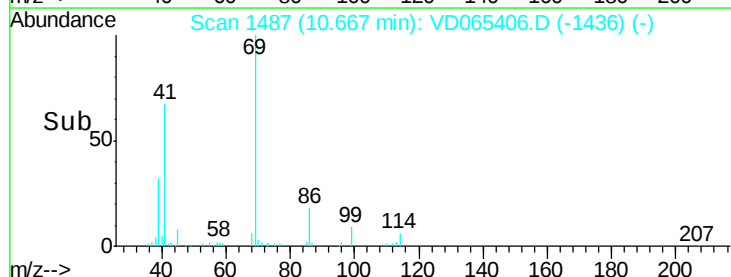
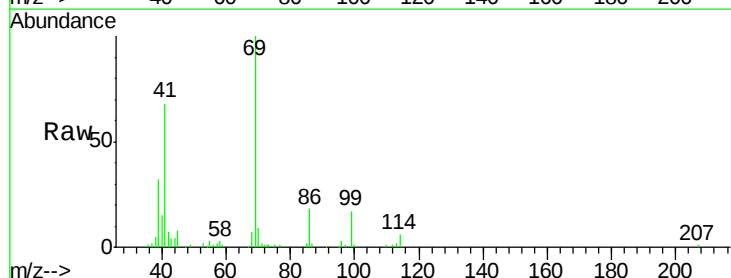
Manual Integrations
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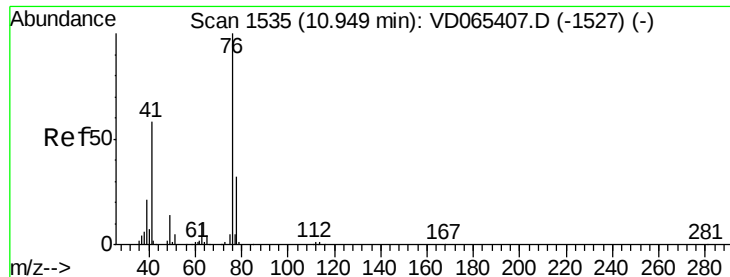
MMDadoda
 3/5/2020 1:38:29 PM



#56
 Ethyl methacrylate
 Concen: 21.265 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion:	69	Resp:	78032
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.0	79.6
39	32.0	26.0	39.0





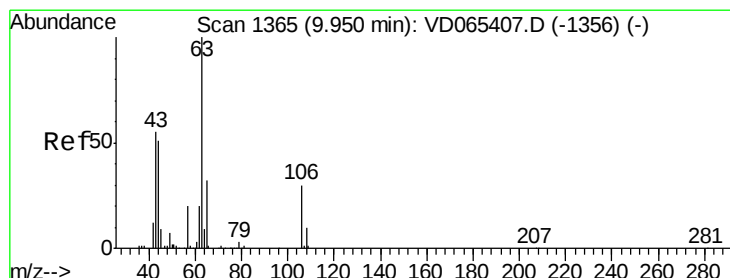
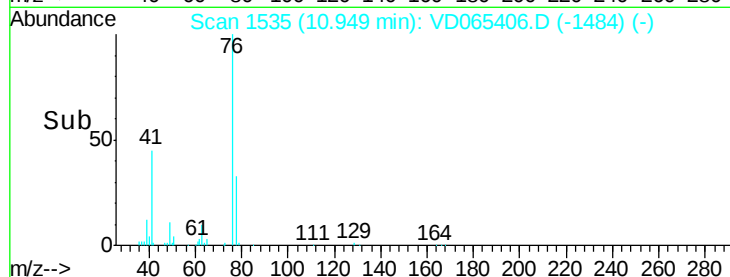
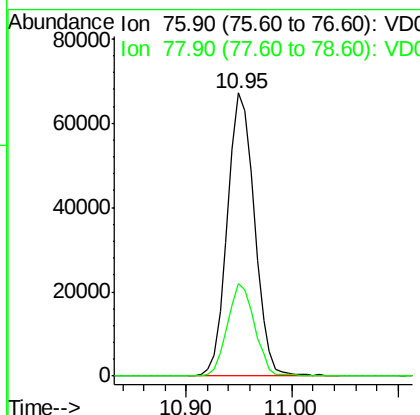
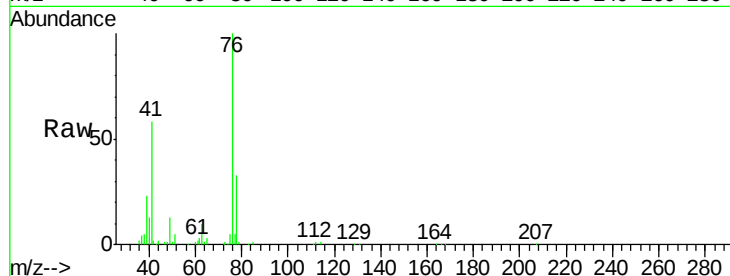
#57
 1,3-Dichloropropane
 Concen: 21.692 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

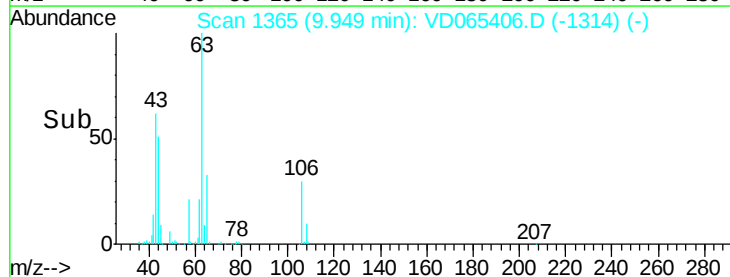
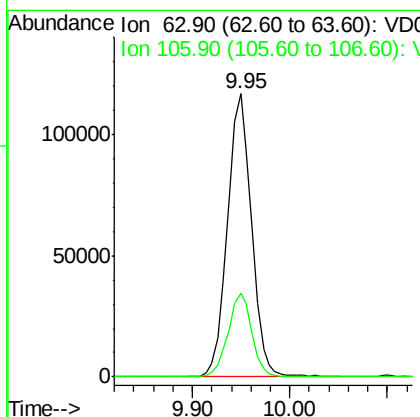
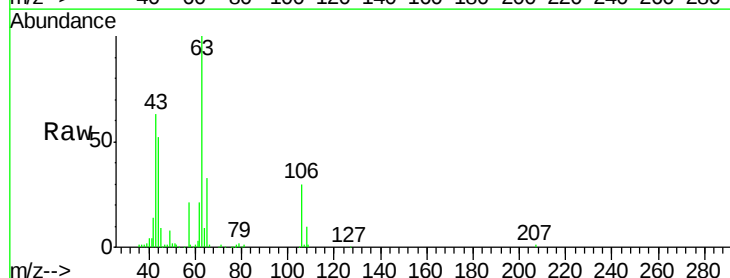
Manual Integrations
 APPROVED

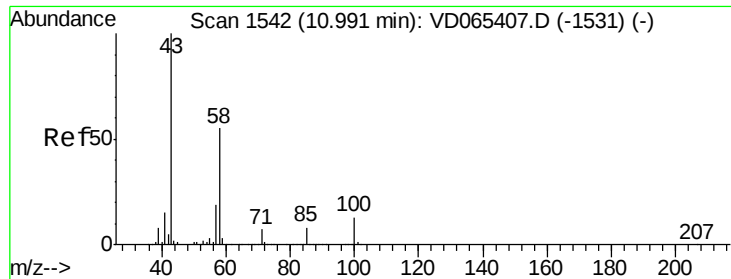
MMDadoda
 3/5/2020 1:38:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 153.376 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.3	34.9





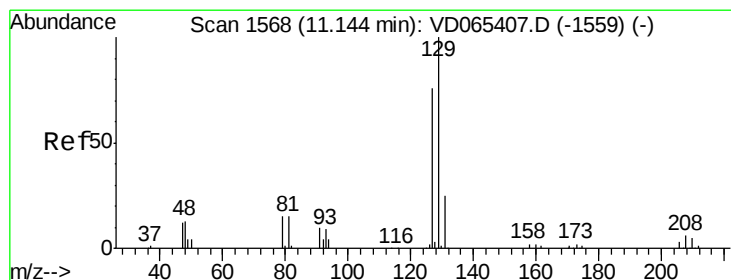
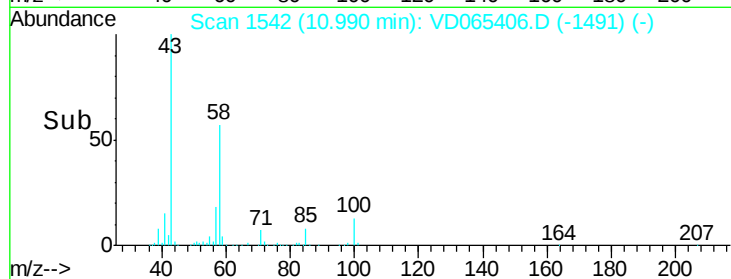
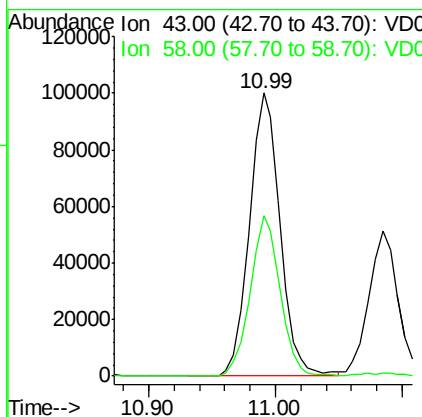
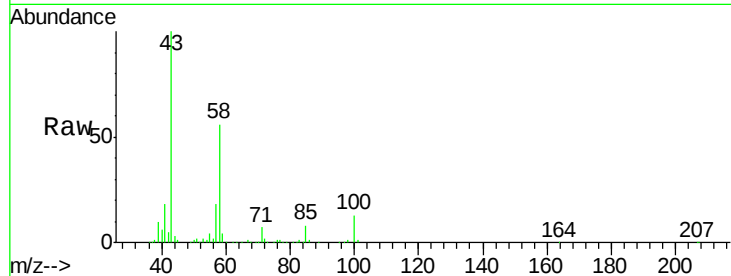
#59
2-Hexanone
Concen: 103.734 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	168415
Ion Ratio	100	Lower	Upper
43	100		
58	55.7	27.4	82.2

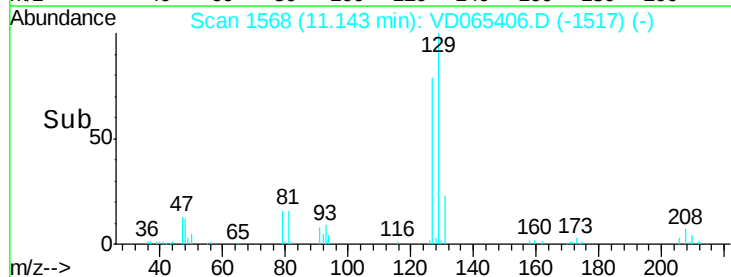
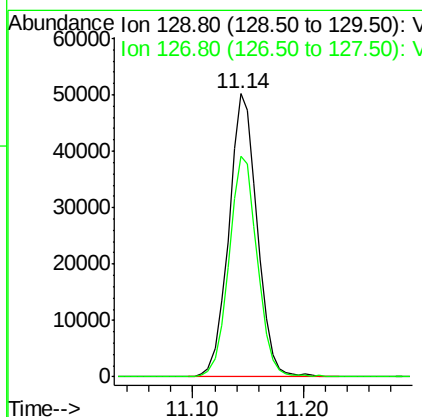
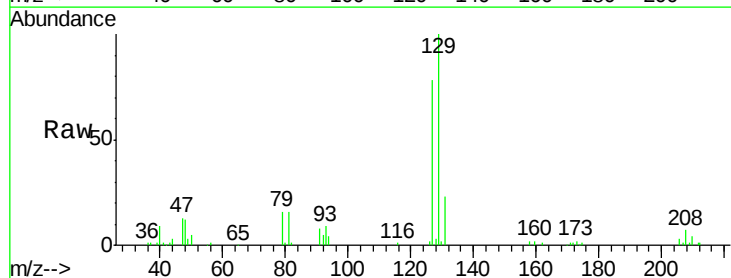
Manual Integrations
APPROVED

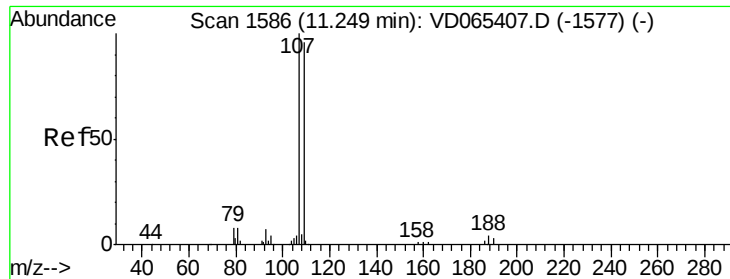
MMDadoda
3/5/2020 1:38:29 PM



#60
Dibromochloromethane
Concen: 21.678 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	129	Resp	90344
Ion Ratio	100	Lower	Upper
129	100		
127	77.4	38.5	115.5





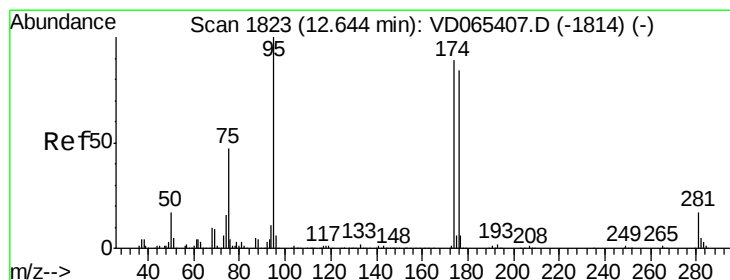
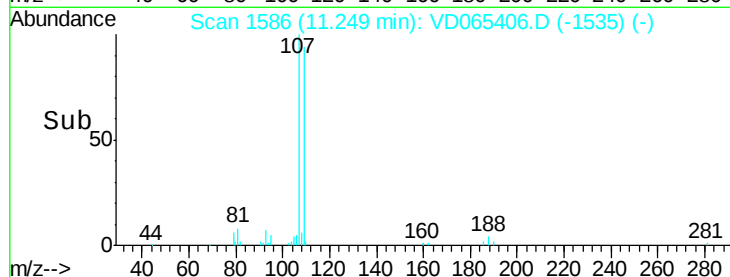
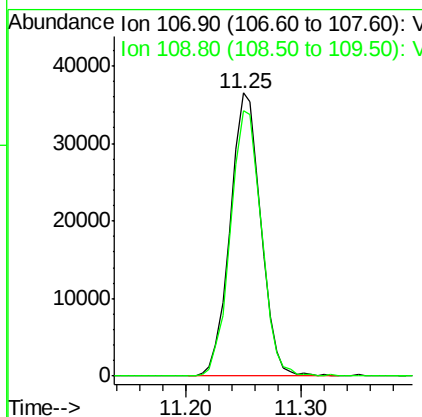
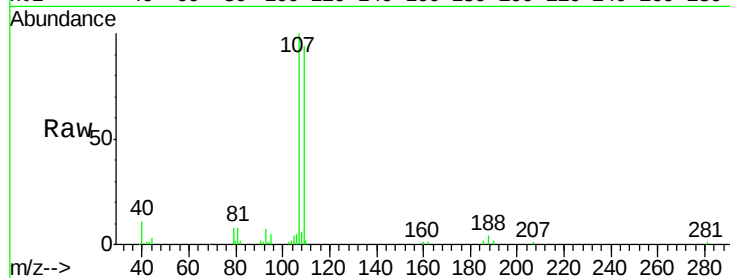
#61
 1,2-Dibromoethane
 Concen: 21.724 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 67152
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.8 115.2

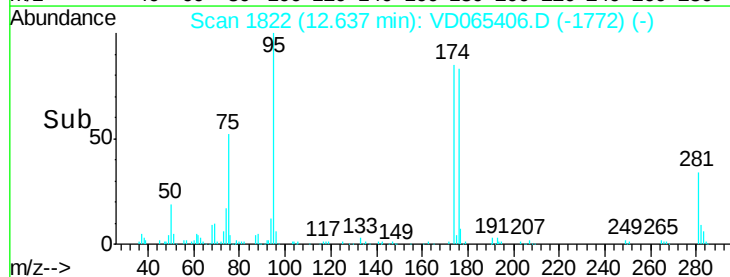
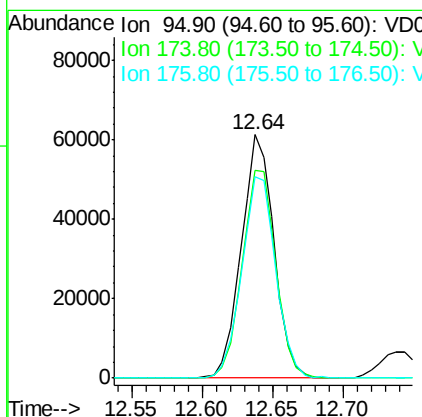
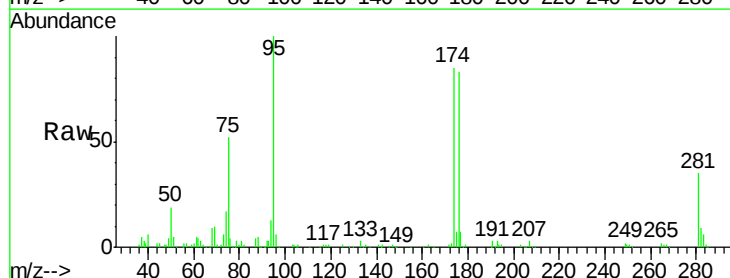
Manual Integrations
 APPROVED

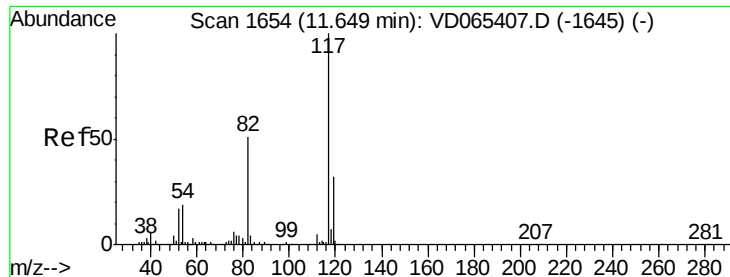
MMDadoda
 3/5/2020 1:38:29 PM



#62
 4-Bromofluorobenzene
 Concen: 19.854 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 95 Resp: 99304
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 176.8
 176 86.0 0.0 171.4





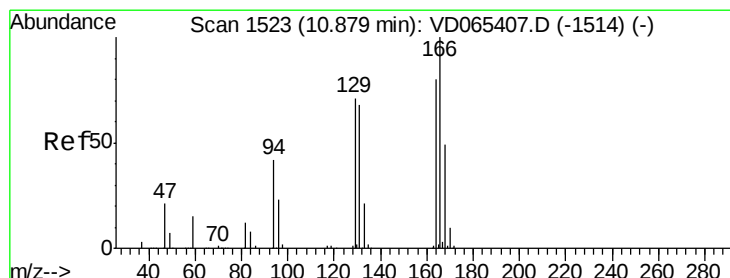
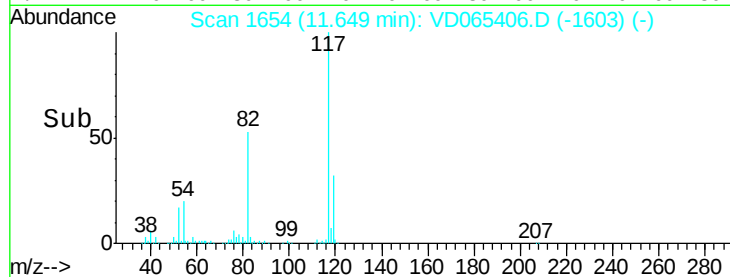
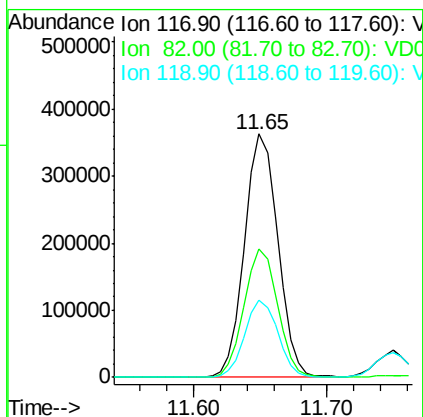
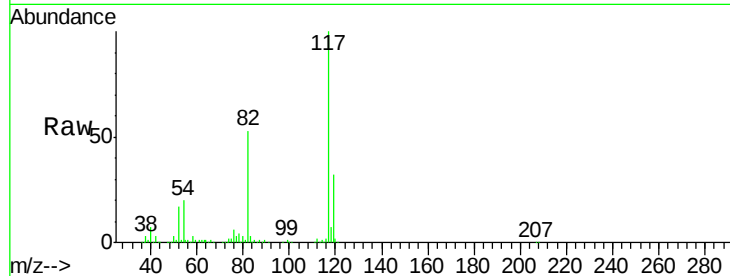
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	117	Resp:	629251
Ion Ratio	Lower	Upper	
117	100		
82	52.8	40.6	60.8
119	31.6	25.4	38.2

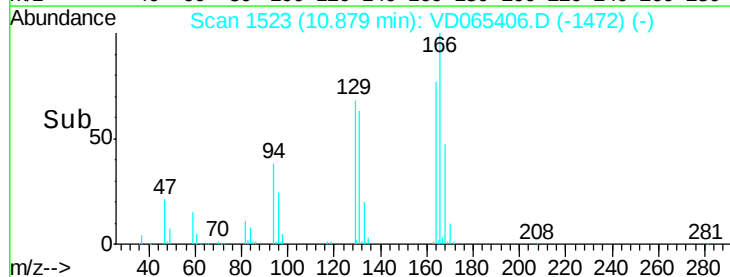
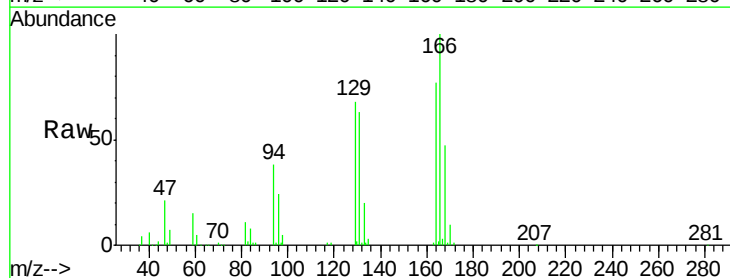
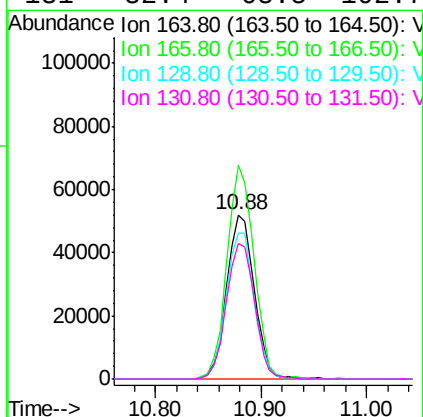
Manual Integrations
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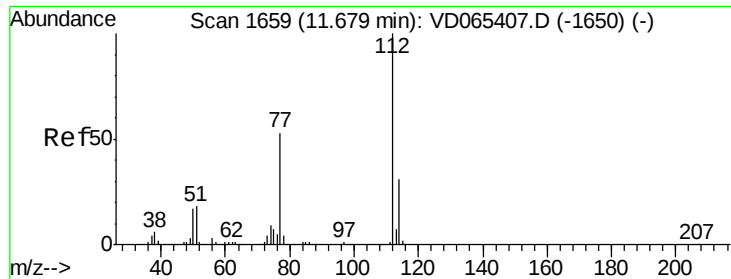
MMDadoda
3/5/2020 1:38:29 PM



#64
Tetrachloroethene
Concen: 20.618 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion:	164	Resp:	93192
Ion Ratio	Lower	Upper	
164	100		
166	130.3	100.5	150.7
129	88.9	71.5	107.3
131	82.4	68.5	102.7





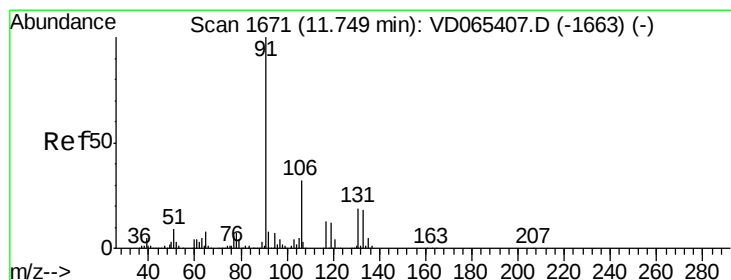
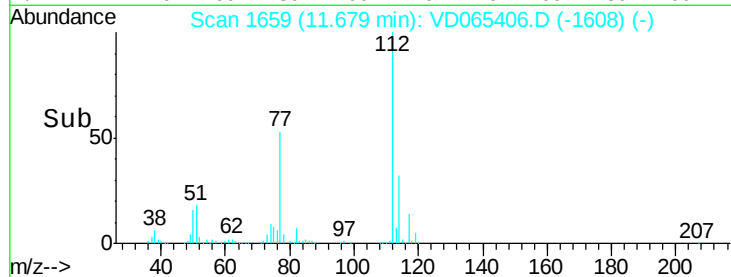
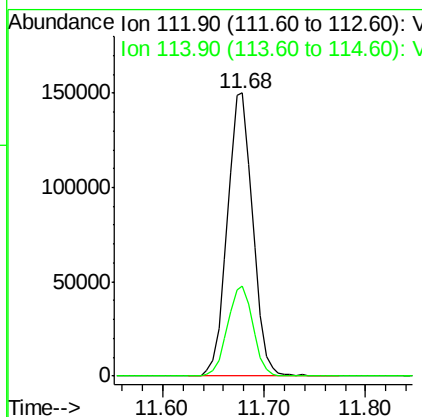
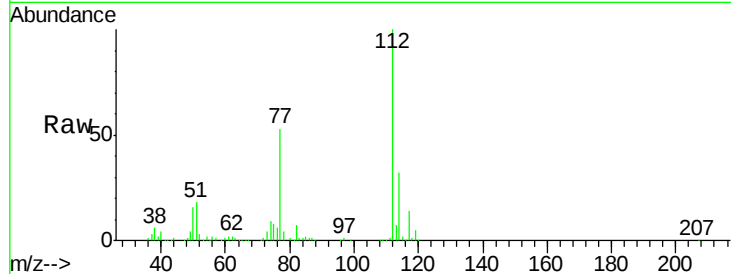
#65
Chlorobenzene
Concen: 20.824 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.4	36.6

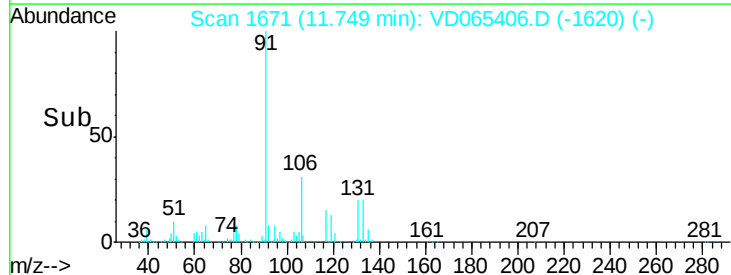
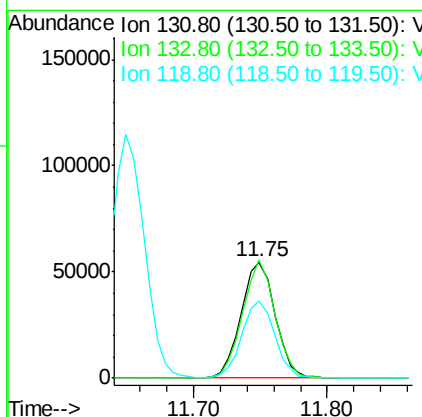
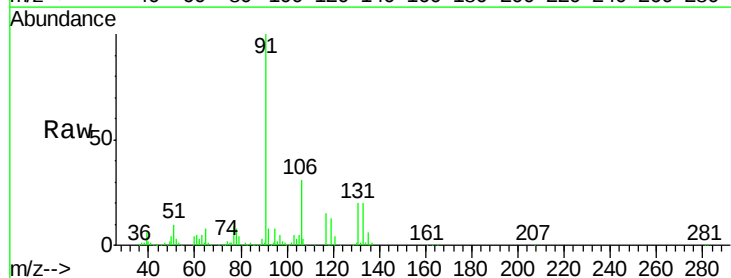
Manual Integrations
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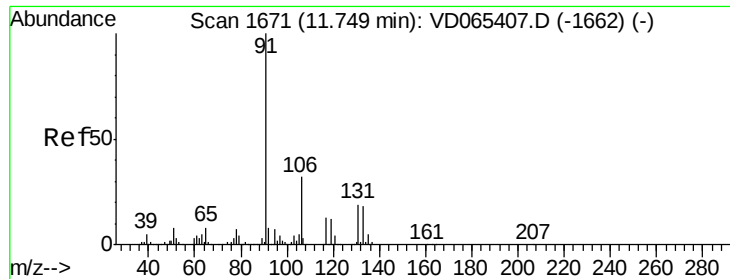
MMDadoda
3/5/2020 1:38:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.040 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	49.2	147.6
119	65.1	33.3	99.8





#67

Ethyl Benzene

Concen: 20.569 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 443867

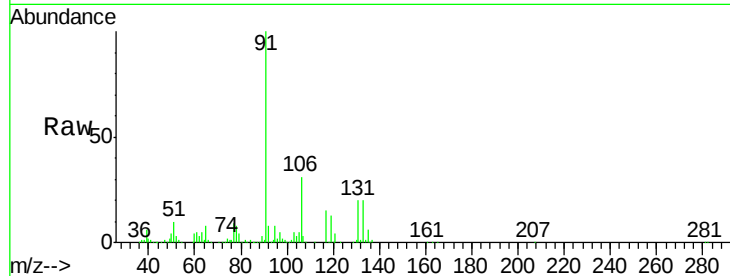
Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

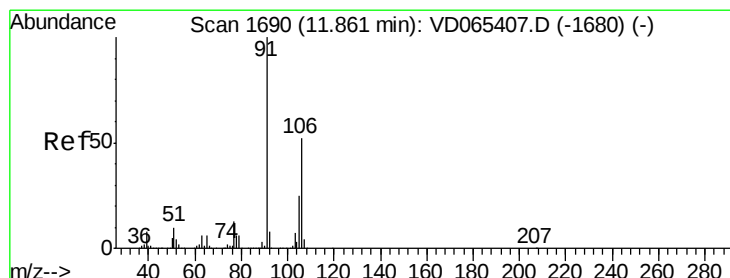
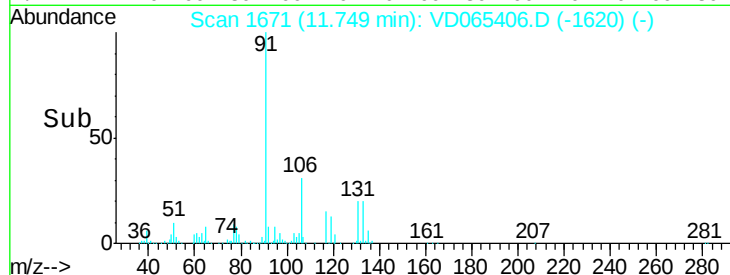
100000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 41.914 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065406.D

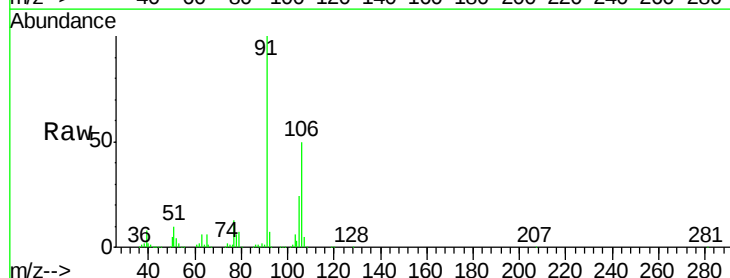
Acq: 04 Mar 2020 11:32

Tgt Ion: 106 Resp: 348693

Ion Ratio Lower Upper

106 100

91 198.1 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

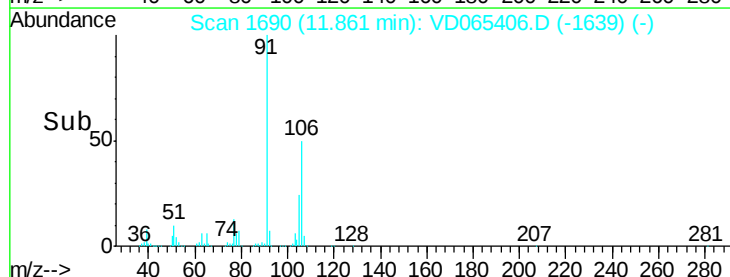
100000

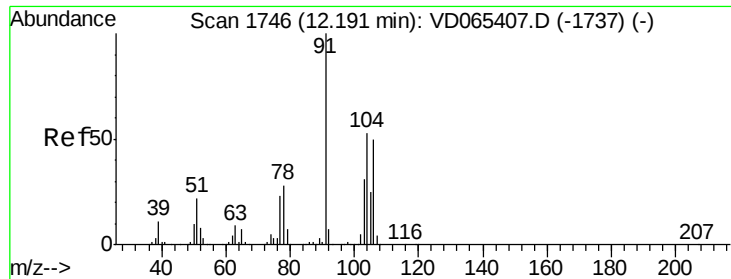
0

11.80

11.90

Time-->





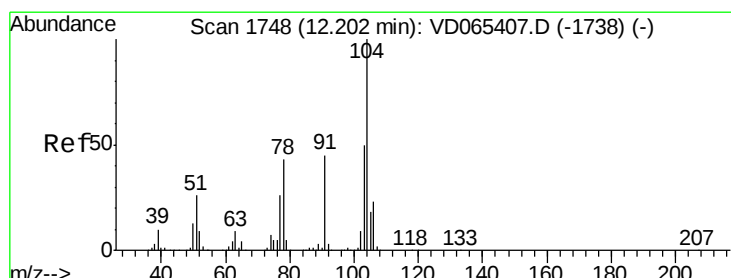
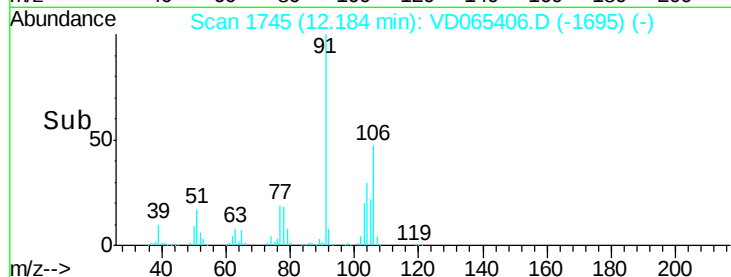
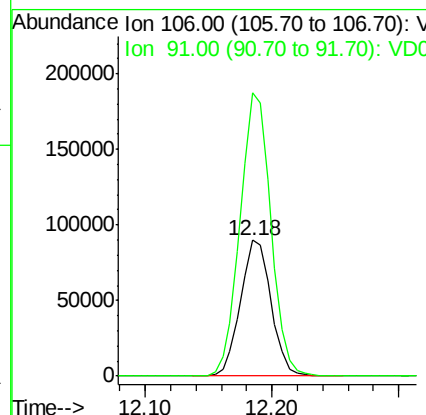
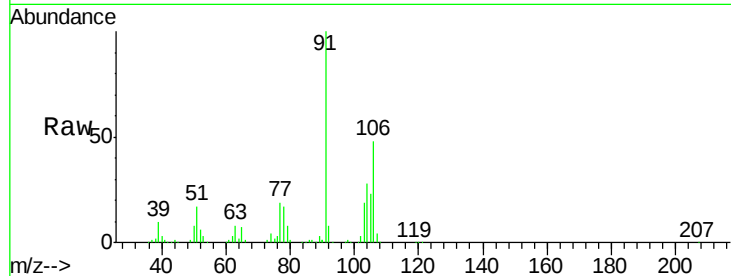
#69
o-Xylene
Concen: 20.498 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.5	310.3

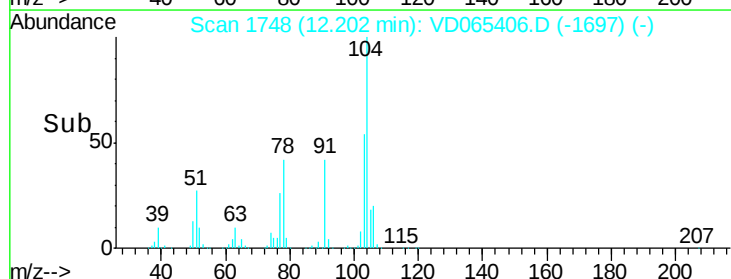
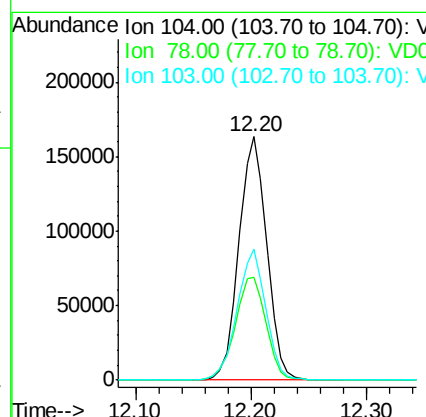
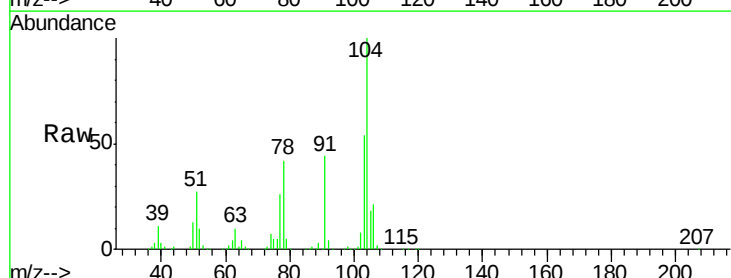
Manual Integrations
APPROVED

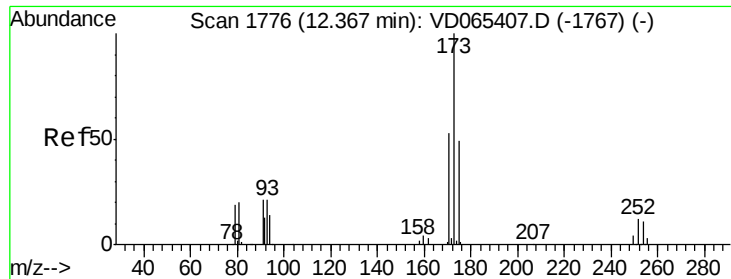
MMDadoda
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#70
Styrene
Concen: 21.165 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.7	56.5
103	55.4	43.6	65.4





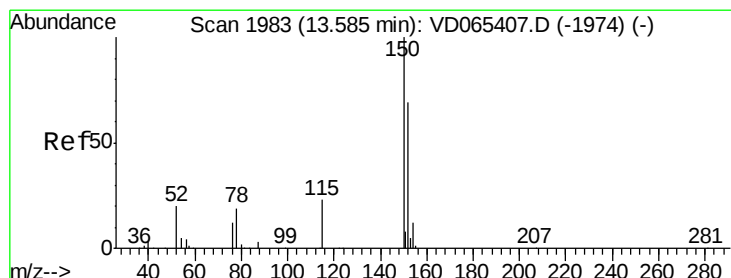
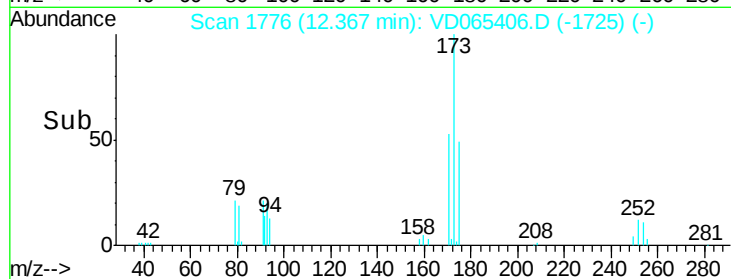
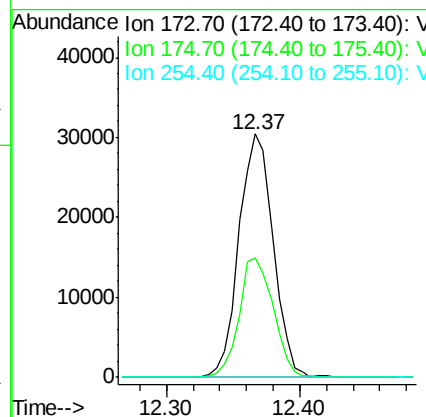
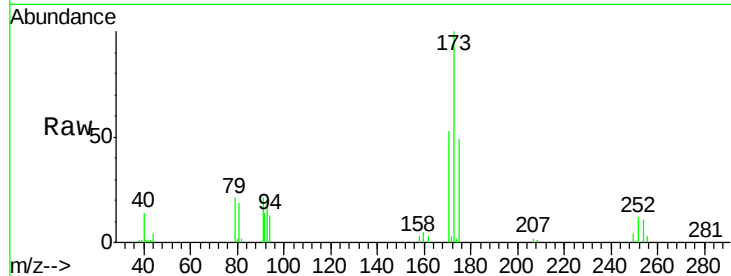
#71
Bromoform
Concen: 20.979 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.0	0.1	0.1#

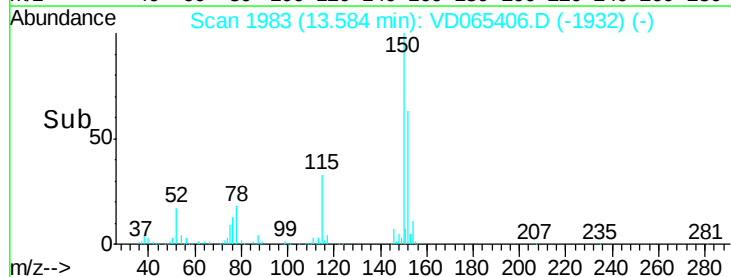
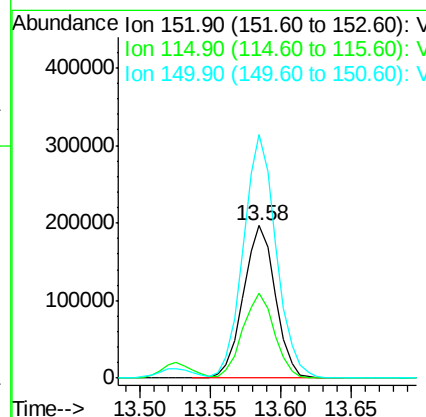
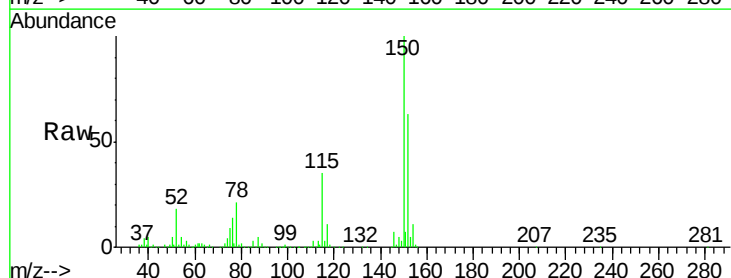
Manual Integrations
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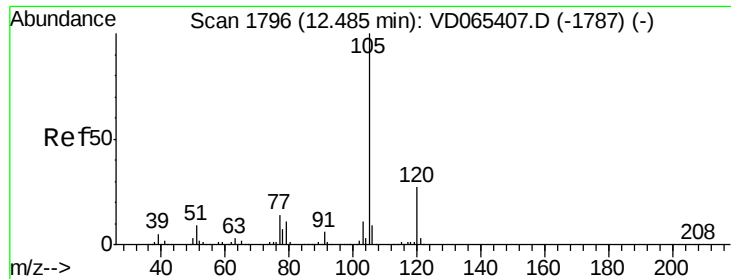
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	162.8	0.0	345.0





#73

Isopropylbenzene

Concen: 19.839 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 105 Resp: 407995

Ion Ratio Lower Upper

105 100

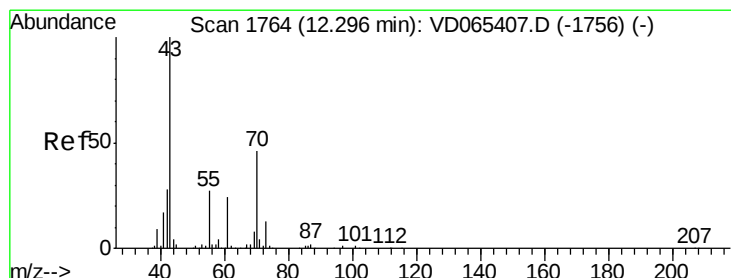
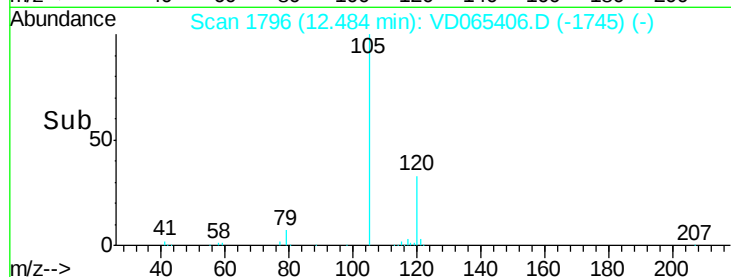
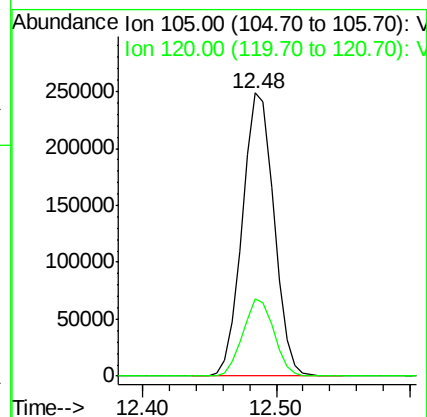
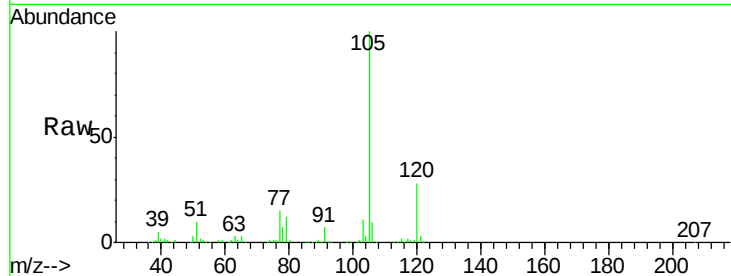
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.074 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion: 43 Resp: 85249

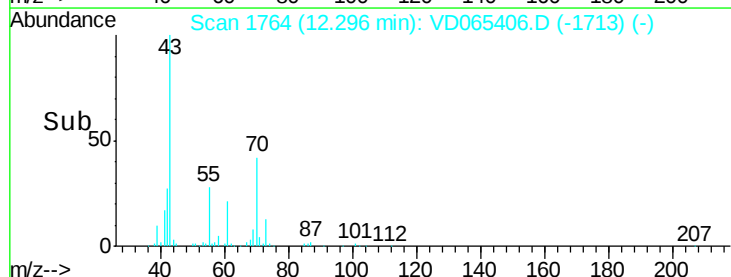
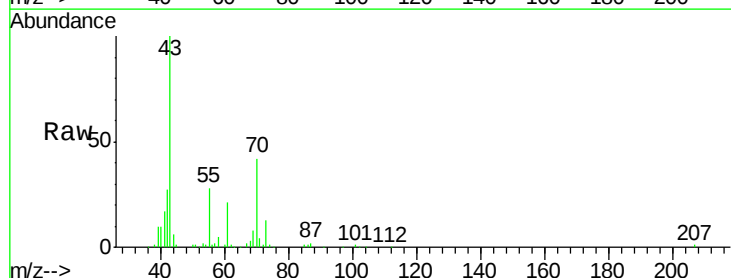
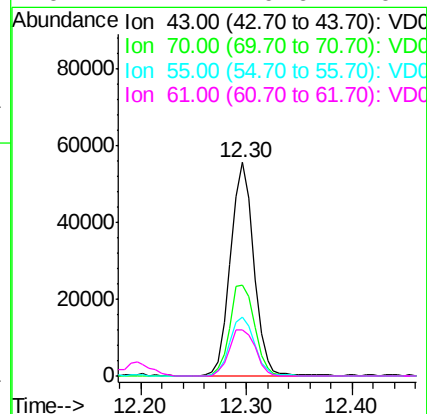
Ion Ratio Lower Upper

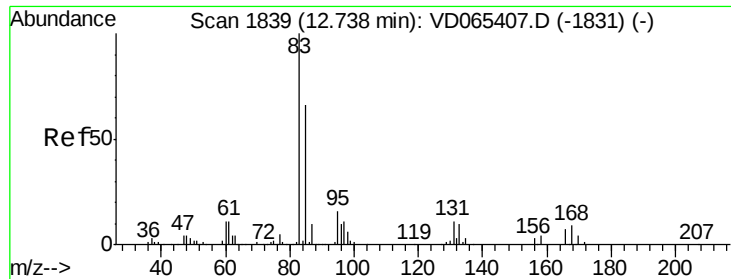
43 100

70 45.1 36.1 54.1

55 29.5 21.6 32.4

61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.057 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

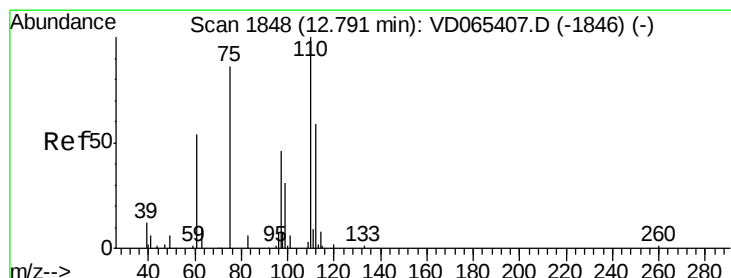
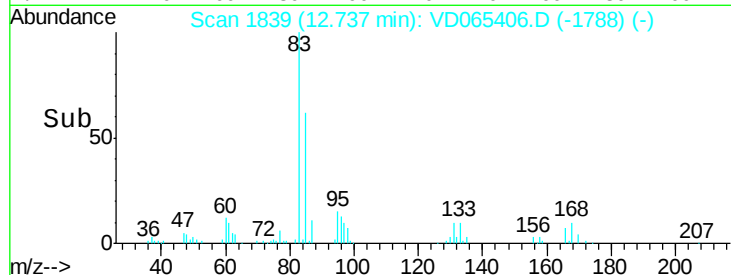
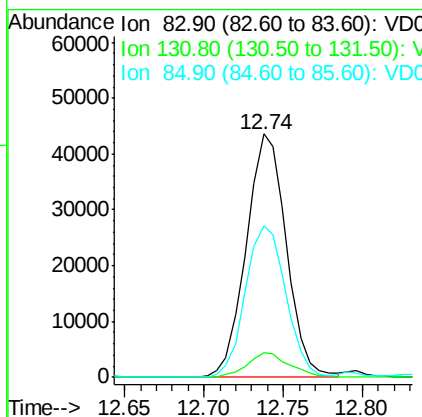
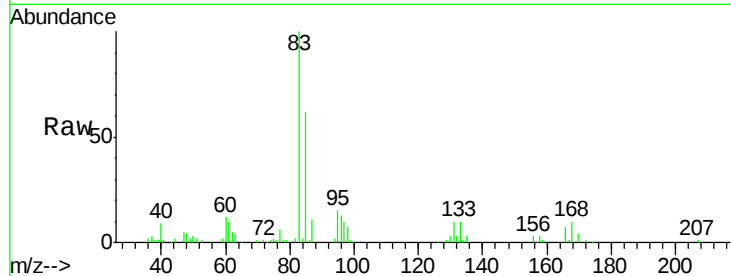
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	76819
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	62.7	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 11.796 ug/l m

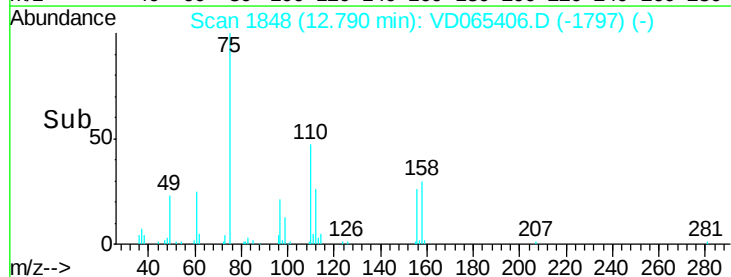
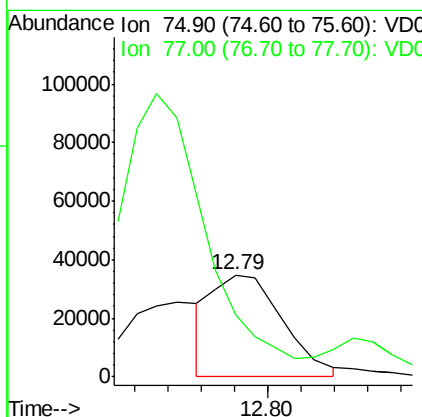
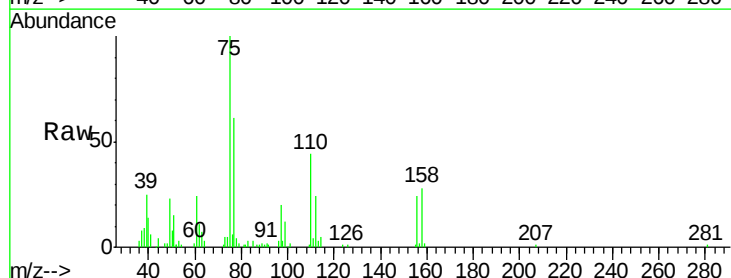
RT: 12.79 min Scan# 1848

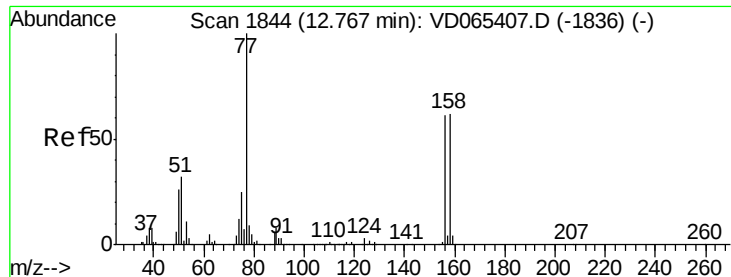
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	75	Resp:	51015
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.278 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

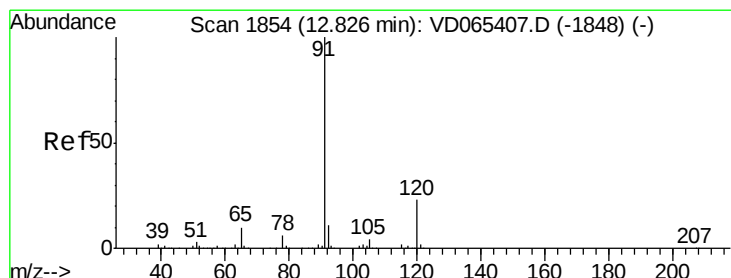
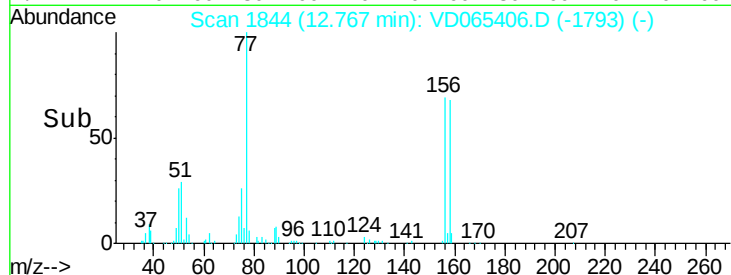
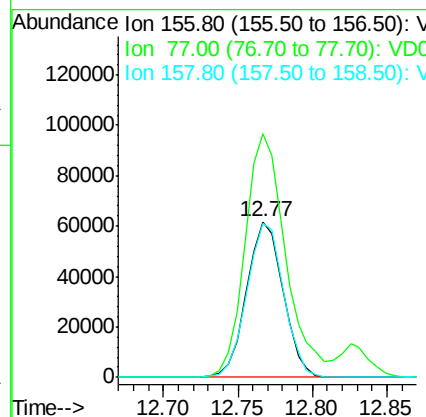
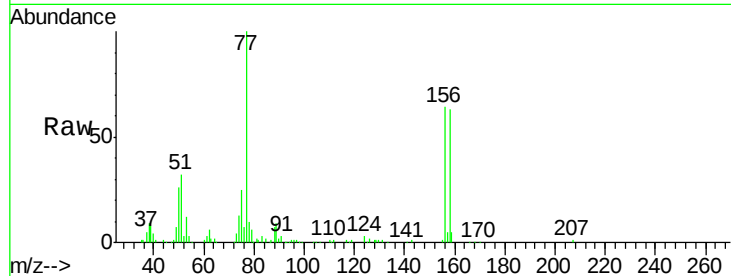
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	104564
Ion Ratio	Lower	Upper	
156	100		
77	172.9	84.9	254.6
158	99.8	49.0	147.2

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#78

n-propylbenzene

Concen: 20.440 ug/l

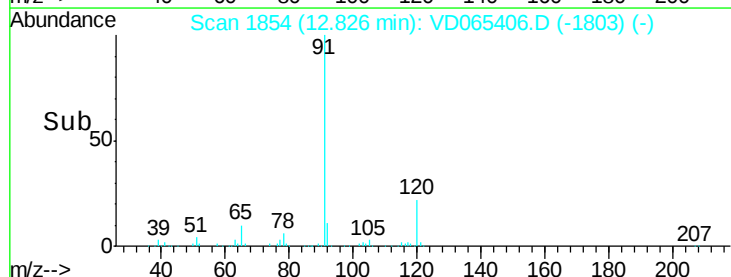
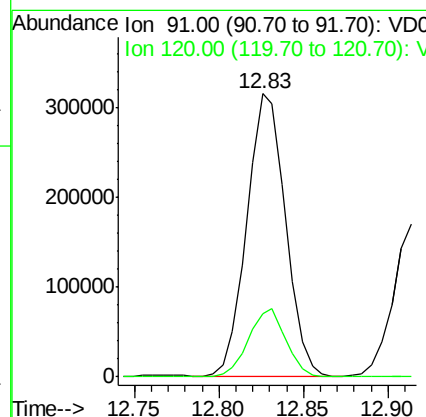
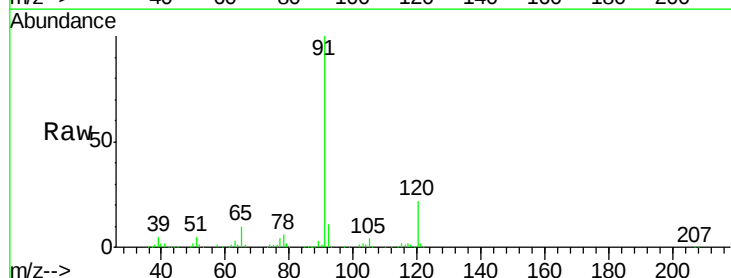
RT: 12.83 min Scan# 1854

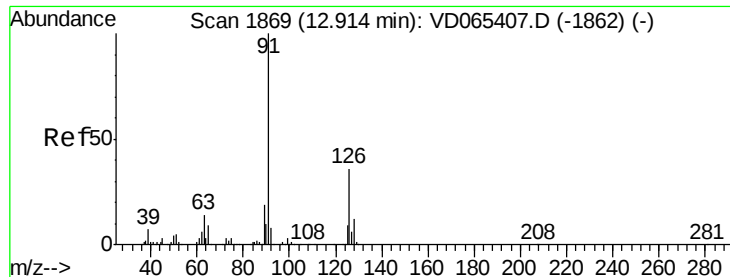
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	91	Resp:	500261
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5





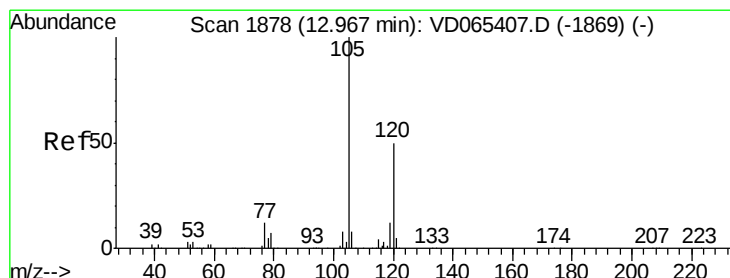
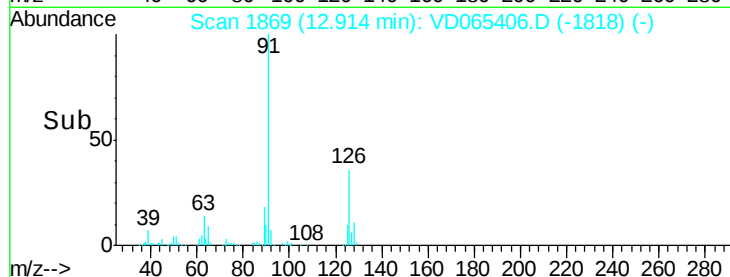
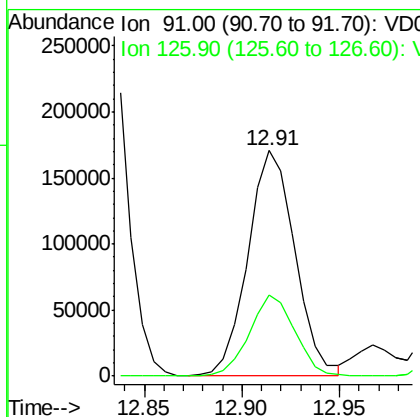
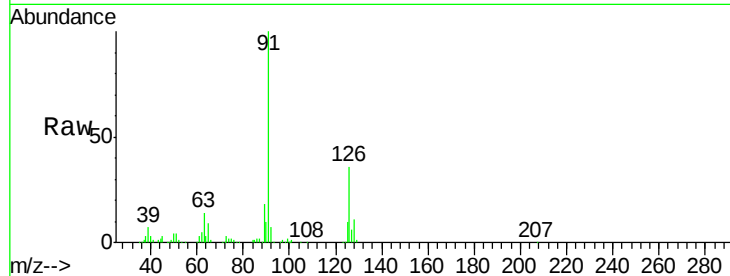
#79
2-Chlorotoluene
Concen: 20.637 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 284138
Ion Ratio Lower Upper
91 100
126 34.9 17.9 53.8

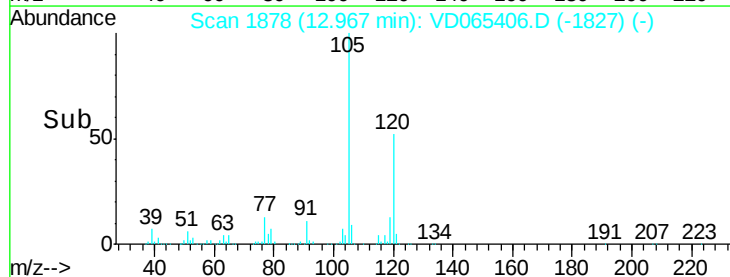
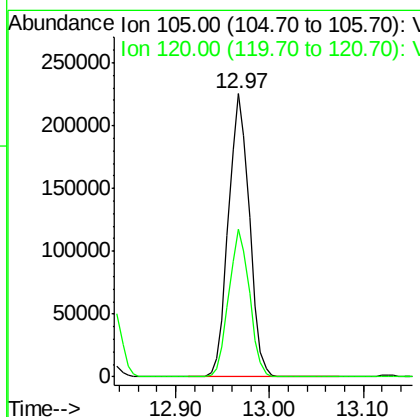
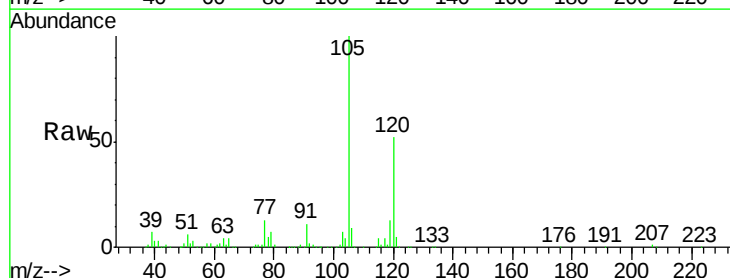
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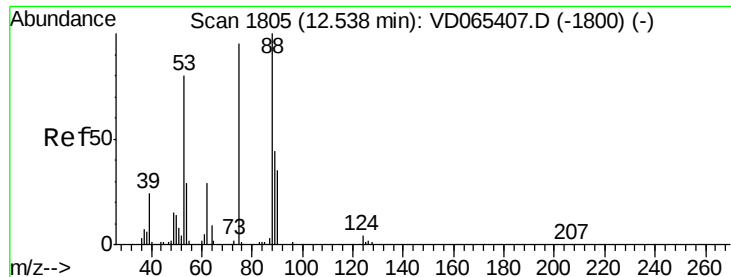
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#80
1,3,5-Trimethylbenzene
Concen: 20.607 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 105 Resp: 348890
Ion Ratio Lower Upper
105 100
120 51.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.752 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 23179

Ion Ratio Lower Upper

75 100

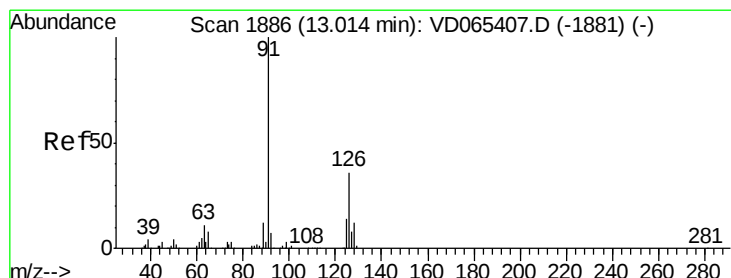
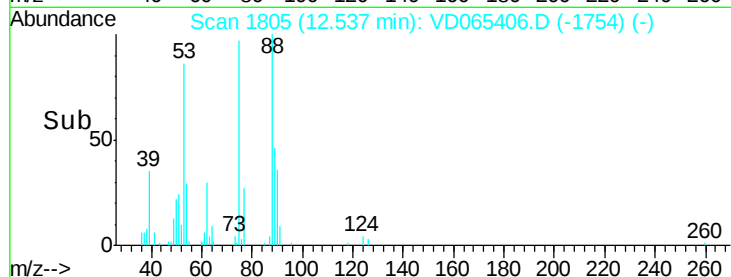
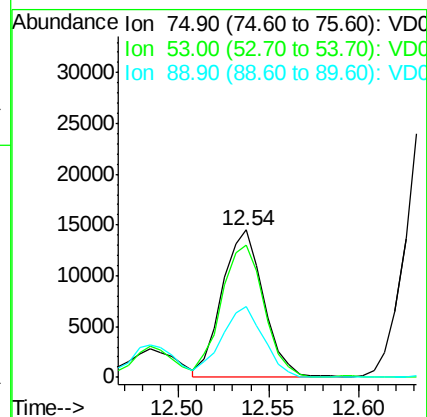
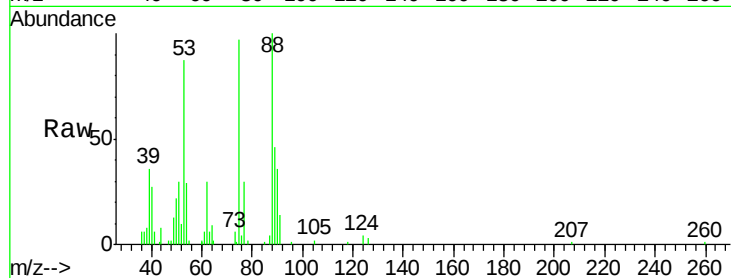
53 92.1 71.3 106.9

89 48.4 37.0 55.6

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#82

4-Chlorotoluene

Concen: 20.705 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065406.D

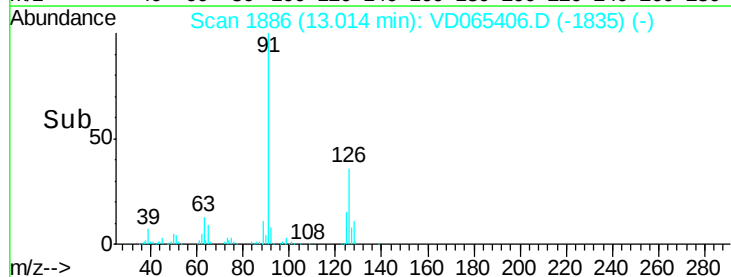
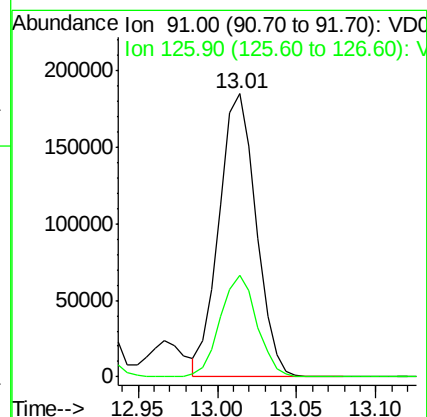
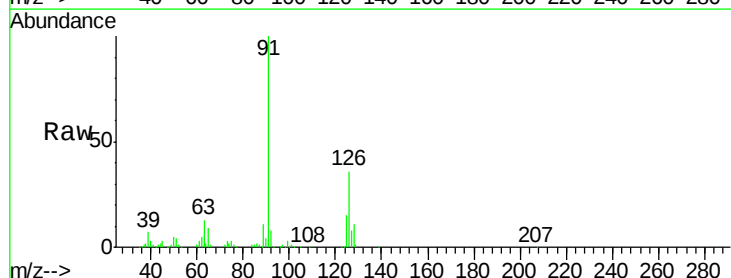
Acq: 04 Mar 2020 11:32

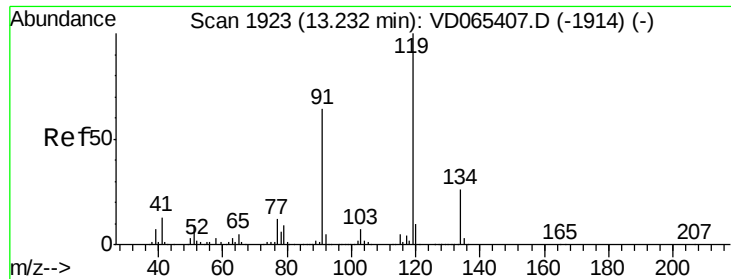
Tgt Ion: 91 Resp: 300553

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8





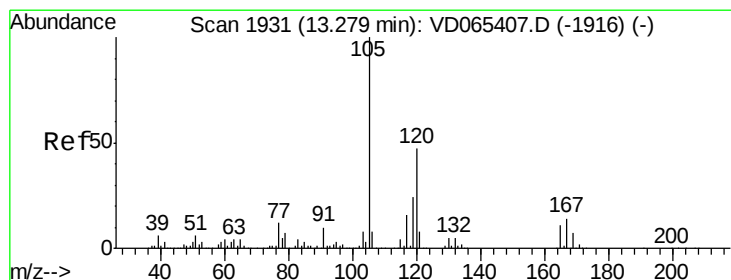
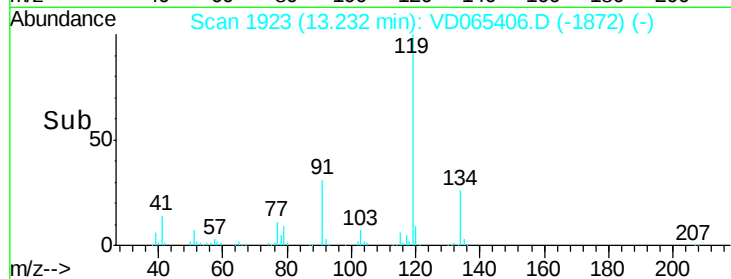
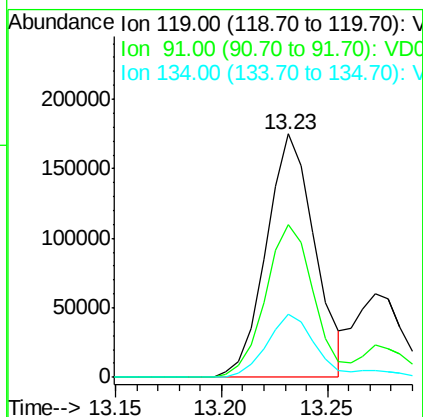
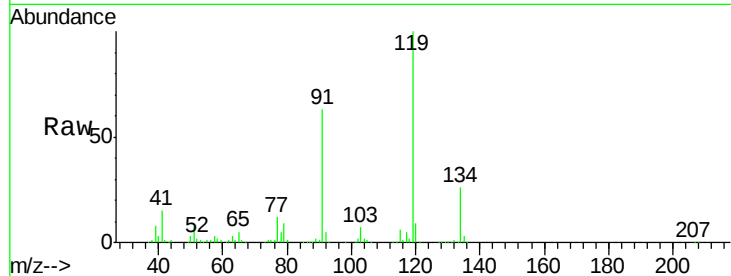
#83
tert-Butylbenzene
Concen: 19.505 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	25.5	14.2	42.8

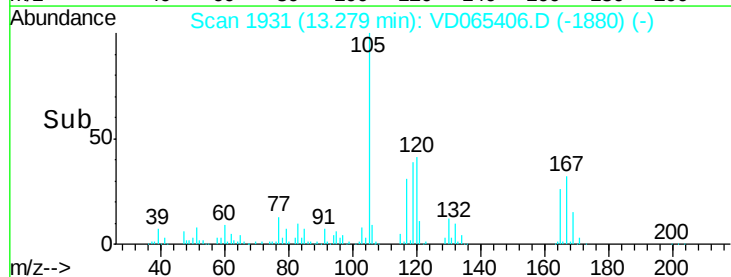
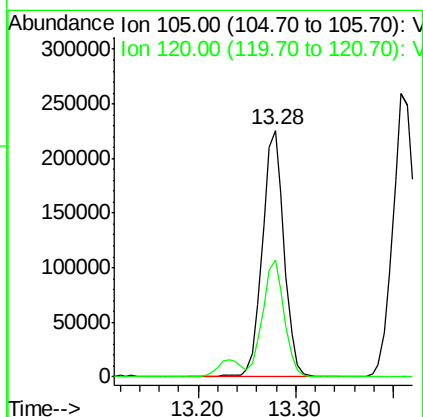
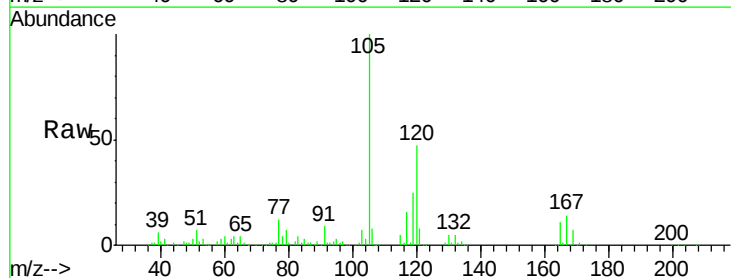
Manual Integrations
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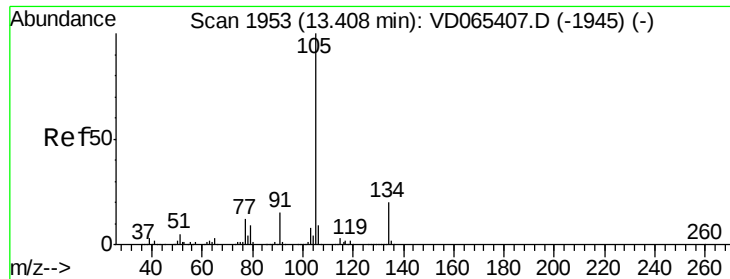
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#84
1,2,4-Trimethylbenzene
Concen: 20.982 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.065 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 409375

Ion Ratio Lower Upper

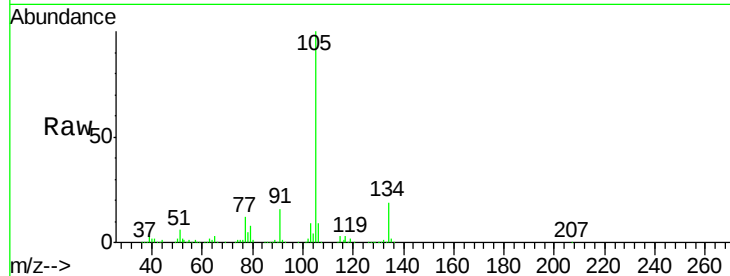
105 100

134 20.5 10.3 30.9

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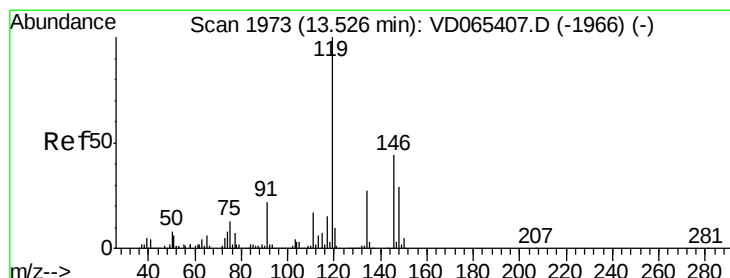
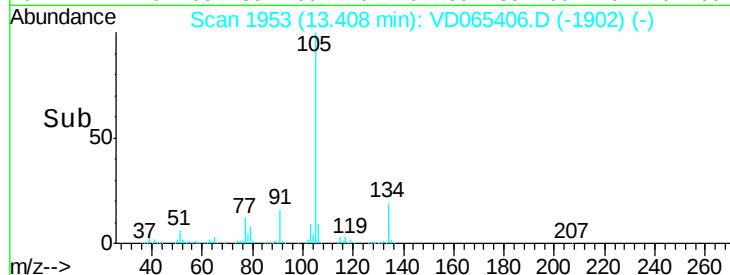
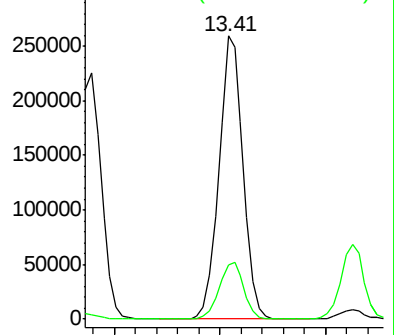
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

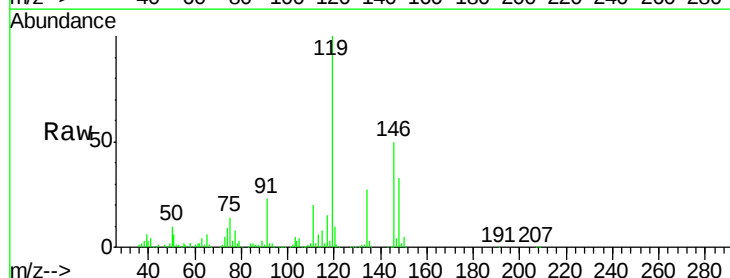
Tgt Ion:119 Resp: 378142

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

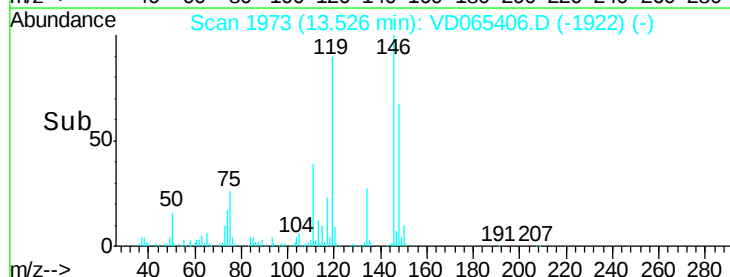
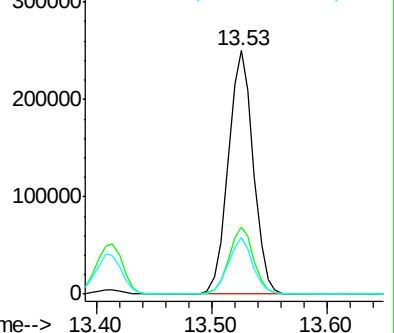
91 22.4 10.9 32.6

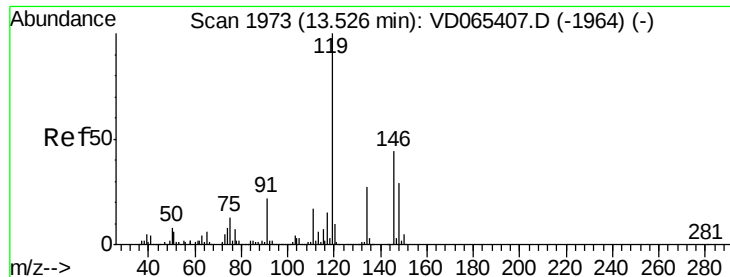


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





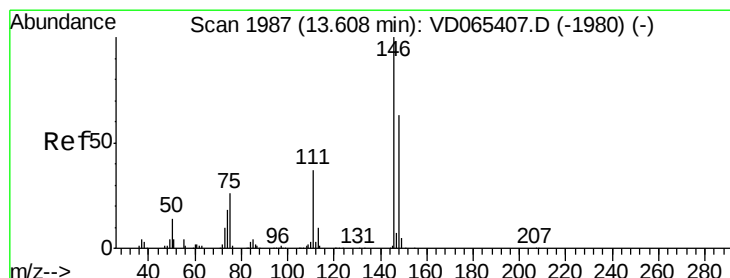
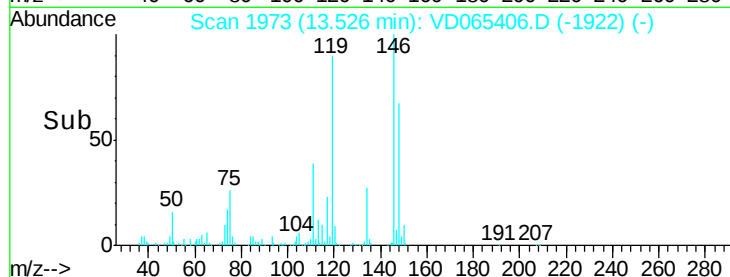
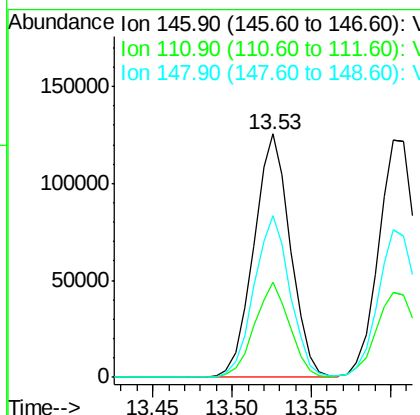
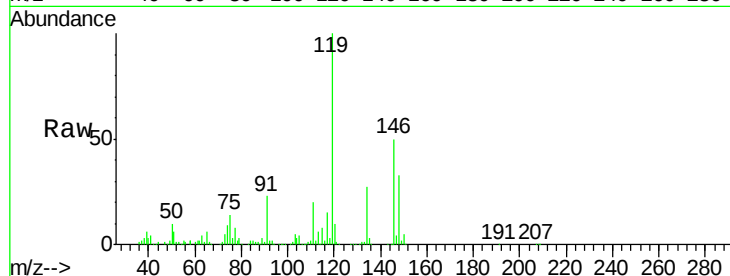
#87
 1,3-Dichlorobenzene
 Concen: 20.431 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	65.4	32.3	96.8

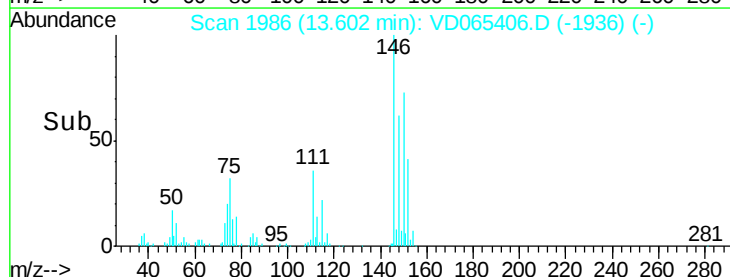
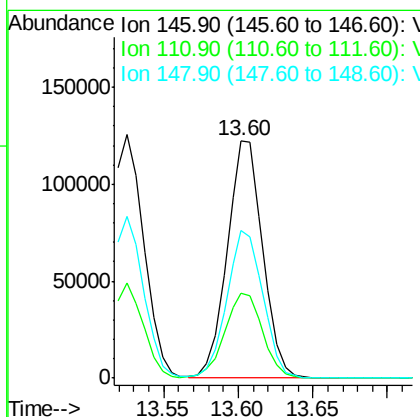
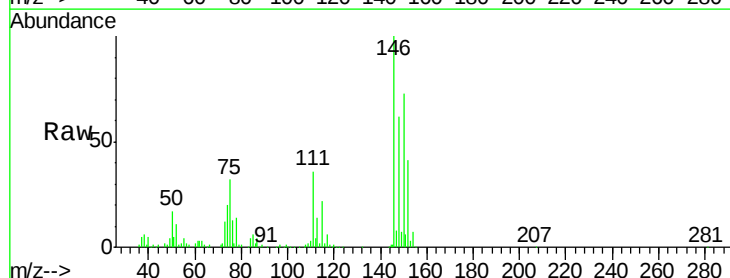
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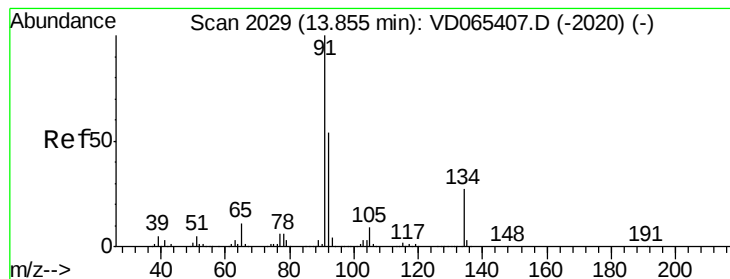
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#88
 1,4-Dichlorobenzene
 Concen: 20.683 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.5	55.5
148	63.3	32.0	96.0





#89

n-Butylbenzene

Concen: 20.134 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

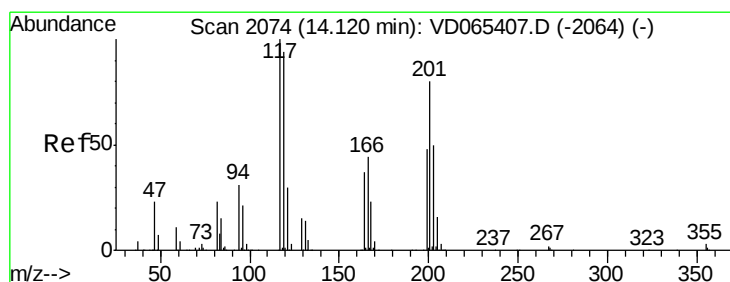
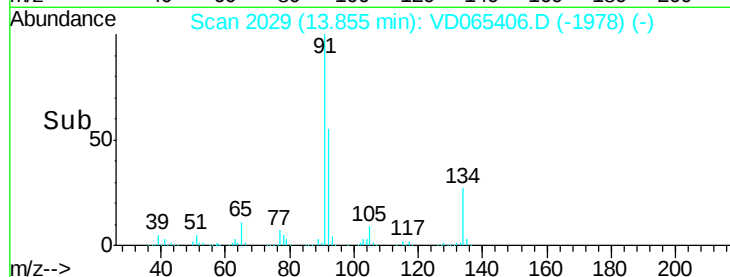
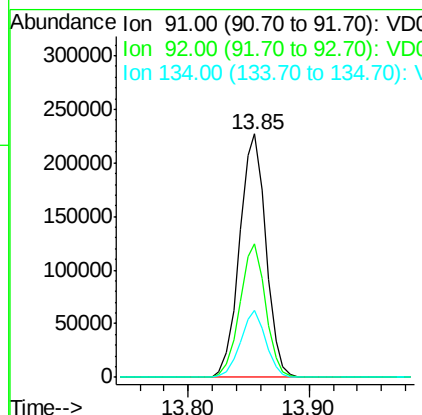
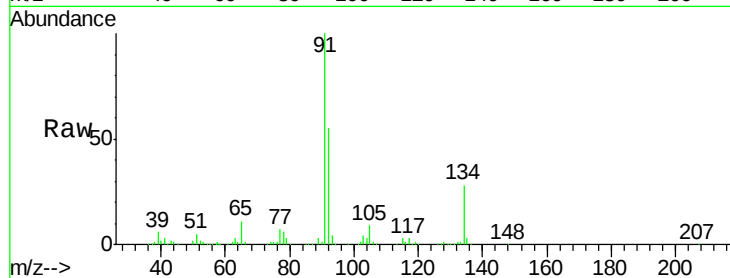
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	346055
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.8	80.4
134	26.3	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 20.483 ug/l

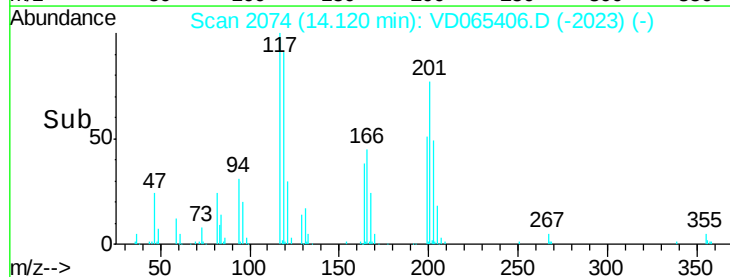
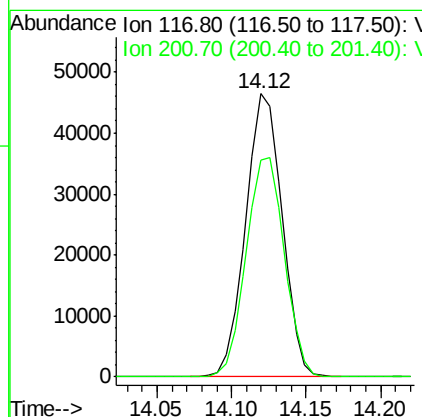
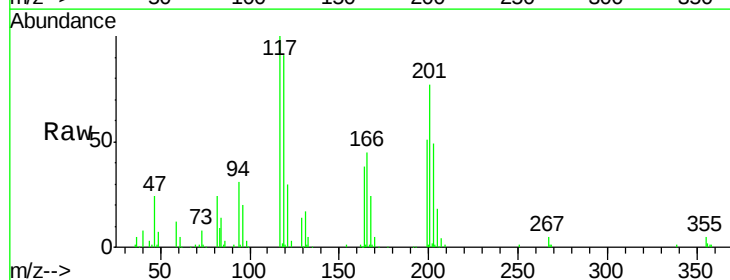
RT: 14.12 min Scan# 2074

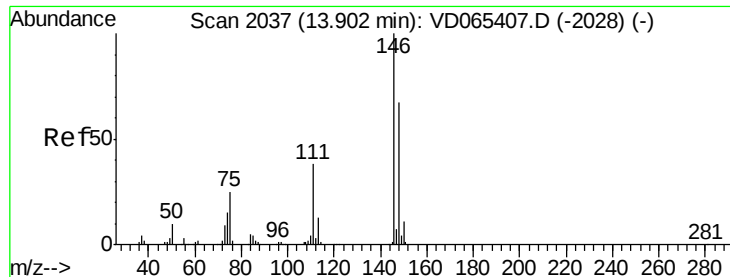
Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion:	117	Resp:	78773
Ion Ratio	Lower	Upper	
117	100		
201	80.9	41.9	125.6





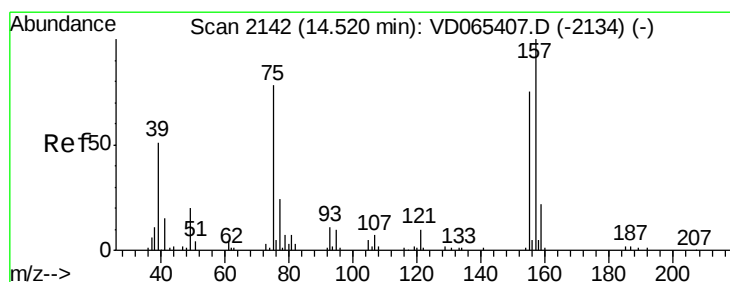
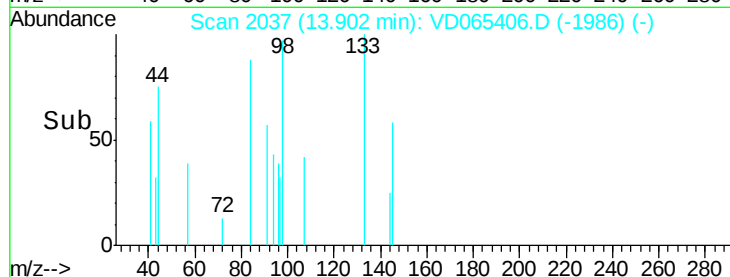
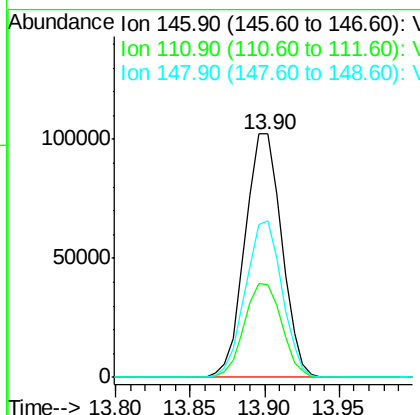
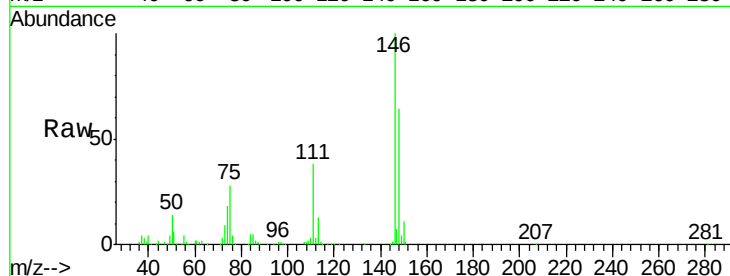
#91
 1,2-Dichlorobenzene
 Concen: 20.688 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.2	32.6	97.8

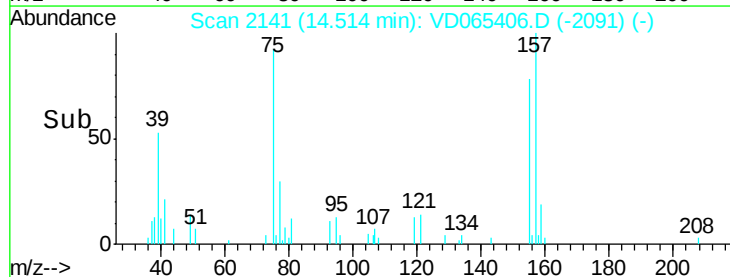
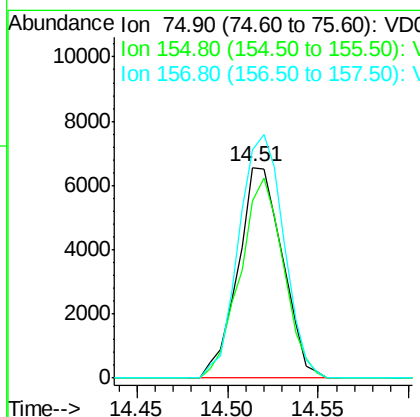
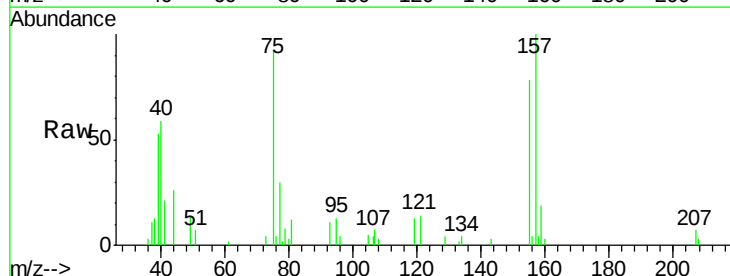
Manual Integrations
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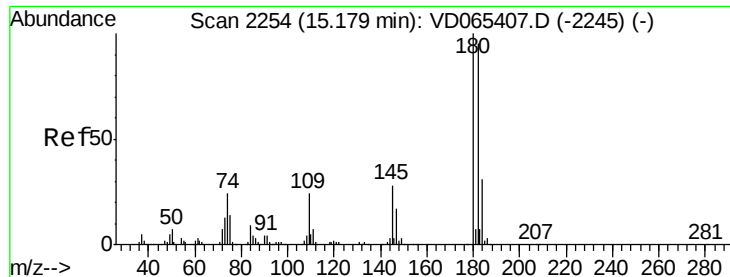
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.961 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	46.4	139.1
157	117.2	60.2	180.4





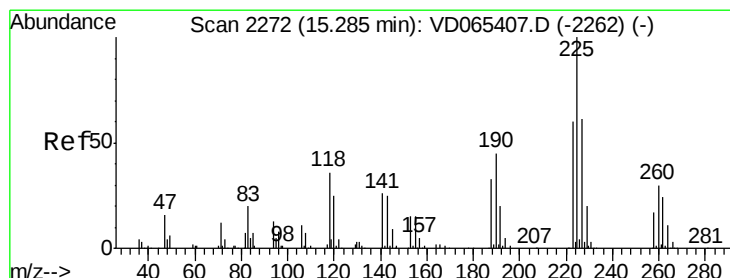
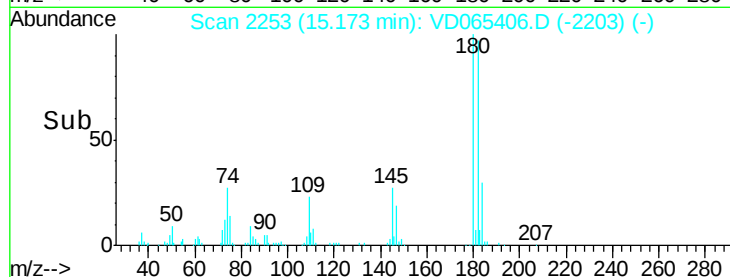
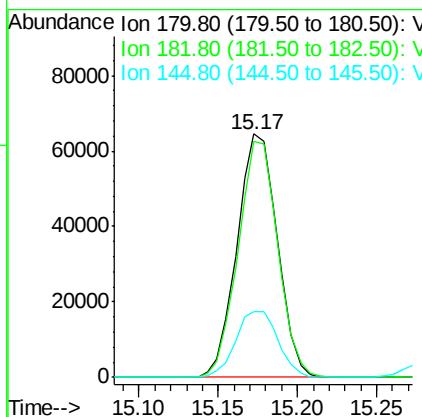
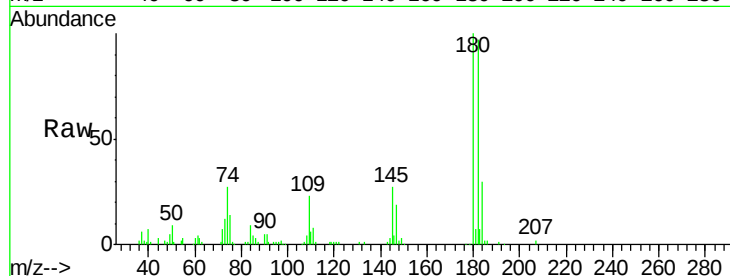
#93
 1,2,4-Trichlorobenzene
 Concen: 20.085 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114069		
182	95.7	48.3	144.9	
145	28.4	14.4	43.4	

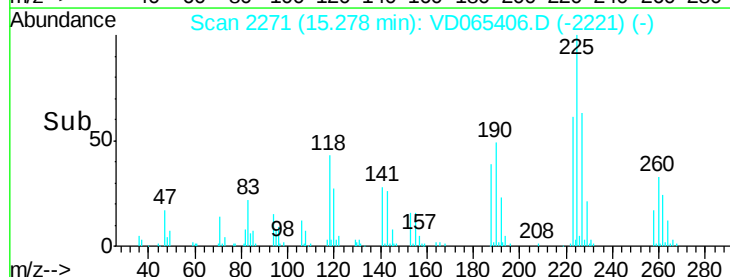
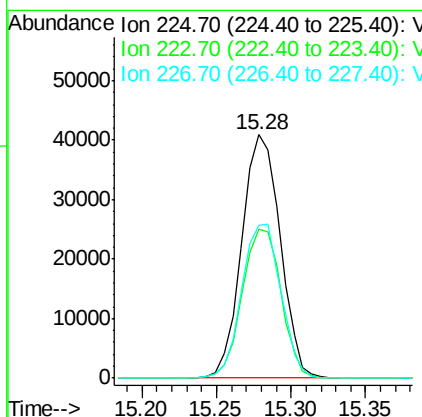
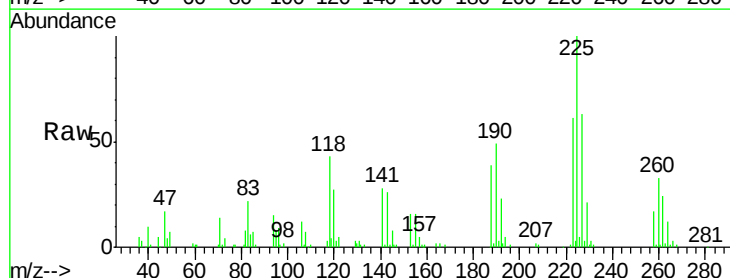
Manual Integrations
 APPROVED

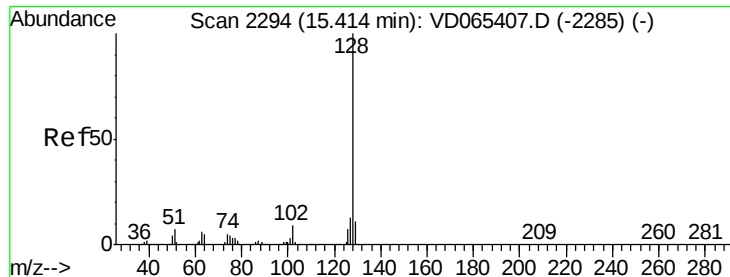
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#94
 Hexachlorobutadiene
 Concen: 19.574 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72719		
223	62.1	30.9	92.5	
227	64.4	31.6	94.7	





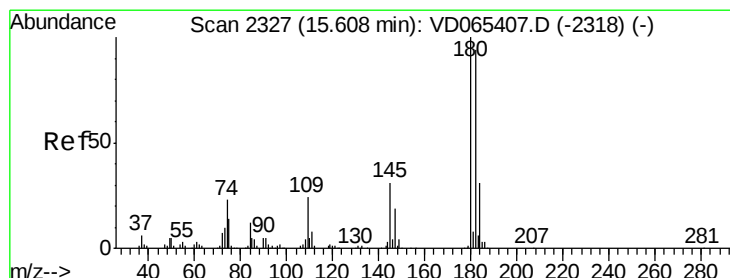
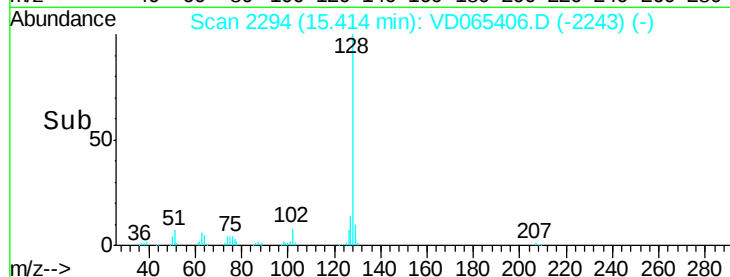
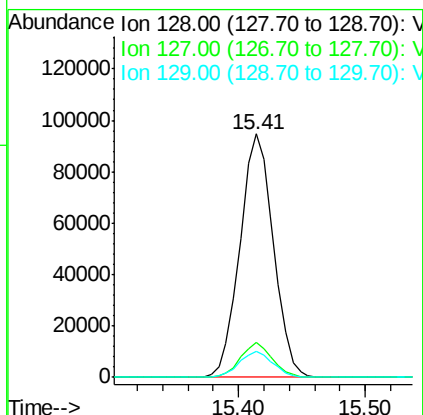
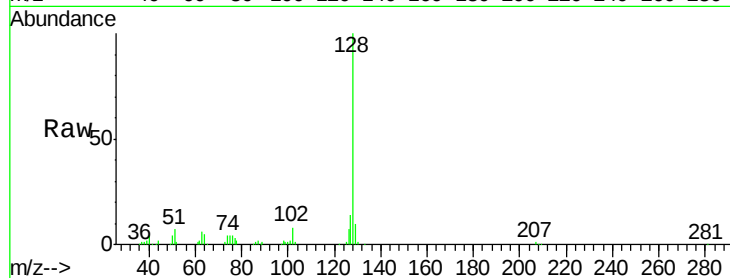
#95
Naphthalene
Concen: 19.019 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.098 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.9	140.6
145	29.8	15.0	45.1

