

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031020\
 Data File : VD065459.D
 Acq On : 10 Mar 2020 10:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:20:44 PM

Quant Time: Mar 11 03:23:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	661644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202234	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.92	113	217044	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.34	98	851784	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
62) 4-Bromofluorobenzene	12.64	95	272487	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	181423	44.929	ug/l	98
3) Chloromethane	2.21	50	222889	45.720	ug/l	99
4) Vinyl Chloride	2.35	62	229152	47.655	ug/l	98
5) Bromomethane	2.77	94	145259	54.326	ug/l	98
6) Chloroethane	2.93	64	144312	49.002	ug/l	99
7) Trichlorofluoromethane	3.27	101	347561	49.053	ug/l	99
8) Diethyl Ether	3.70	74	104226	49.465	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225789	49.479	ug/l	99
10) Methyl Iodide	4.29	142	242522	51.156	ug/l	98
11) Tert butyl alcohol	5.24	59	52034m	225.082	ug/l	
12) 1,1-Dichloroethene	4.06	96	211306	48.358	ug/l	94
13) Acrolein	3.93	56	112823	282.981	ug/l	100
14) Allyl chloride	4.71	41	325589	48.505	ug/l	99
15) Acrylonitrile	5.43	53	229379	250.234	ug/l	99
16) Acetone	4.16	43	223001	273.589	ug/l	99
17) Carbon Disulfide	4.40	76	690094	47.424	ug/l	99
18) Methyl Acetate	4.72	43	99005	47.884	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	425623	50.651	ug/l	100
20) Methylene Chloride	4.96	84	232355	52.678	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	248774	51.179	ug/l	96
22) Diisopropyl ether	6.37	45	655908	52.564	ug/l	97
23) Vinyl Acetate	6.31	43	1850548	267.093	ug/l	100
24) 1,1-Dichloroethane	6.26	63	402039	50.232	ug/l	98
25) 2-Butanone	7.22	43	286370	257.453	ug/l	96
26) 2,2-Dichloropropane	7.21	77	356212	50.929	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	248680	50.052	ug/l	99
28) Bromochloromethane	7.55	49	166625	52.035	ug/l	100
29) Tetrahydrofuran	7.57	42	177855	250.380	ug/l	98
30) Chloroform	7.71	83	409174	51.148	ug/l	99
31) Cyclohexane	7.98	56	386036	48.236	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	376347	50.907	ug/l	99
36) 1,1-Dichloropropene	8.11	75	333291	52.551	ug/l	98
37) Ethyl Acetate	7.30	43	130039	53.047	ug/l	99
38) Carbon Tetrachloride	8.10	117	348481	52.987	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	406585	53.078	ug/l	95
40) Benzene	8.35	78	961283	54.210	ug/l	99
41) Methacrylonitrile	7.53	41	74491	57.459	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	248231	53.608	ug/l	100
43) Isopropyl Acetate	8.46	43	237236	52.412	ug/l	99
44) Trichloroethene	9.11	130	267804	53.477	ug/l	97
45) 1,2-Dichloropropane	9.39	63	231892	53.986	ug/l	99
46) Dibromomethane	9.48	93	118858	53.346	ug/l	97
47) Bromodichloromethane	9.67	83	316402	54.585	ug/l	98
48) Methyl methacrylate	9.46	41	121083	56.869	ug/l	95
49) 1,4-Dioxane	9.47	88	28099	1102.531	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	624220	274.051	ug/l	99
52) Toluene	10.40	92	618280	55.347	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293173	54.122	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	355493	54.218	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	167105	52.953	ug/l	98
56) Ethyl methacrylate	10.67	69	200891	56.469	ug/l	97
57) 1,3-Dichloropropane	10.95	76	287704	53.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	266432	239.710	ug/l	98
59) 2-Hexanone	10.99	43	448230	284.275	ug/l	99
60) Dibromochloromethane	11.14	129	220908	54.611	ug/l	99
61) 1,2-Dibromoethane	11.25	107	163674	54.376	ug/l	99
64) Tetrachloroethene	10.88	164	232249	52.770	ug/l	98
65) Chlorobenzene	11.67	112	638201	52.507	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	237916	53.746	ug/l	97
67) Ethyl Benzene	11.75	91	1146562	54.594	ug/l	99
68) m/p-Xylenes	11.86	106	896147	110.663	ug/l	100
69) o-Xylene	12.18	106	391491	54.960	ug/l	98
70) Styrene	12.20	104	703848	56.144	ug/l	99
71) Bromoform	12.37	173	132286	53.202	ug/l	99
73) Isopropylbenzene	12.48	105	1091440	54.027	ug/l	100
74) N-amyl acetate	12.30	43	213853	51.708	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	180583	50.854	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120596m	49.760	ug/l	
77) Bromobenzene	12.77	156	266797	53.156	ug/l	98
78) n-propylbenzene	12.83	91	1314078	54.823	ug/l	99
79) 2-Chlorotoluene	12.91	91	715565	52.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904726	54.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	57780	50.312	ug/l	94
82) 4-Chlorotoluene	13.01	91	753248	53.063	ug/l	99
83) tert-Butylbenzene	13.23	119	764144	54.386	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	892556	54.521	ug/l	99
85) sec-Butylbenzene	13.41	105	1081896	53.944	ug/l	99
86) p-Isopropyltoluene	13.53	119	1014204	55.418	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	500047	51.821	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	500928	52.187	ug/l	99
89) n-Butylbenzene	13.86	91	931513	55.056	ug/l	100
90) Hexachloroethane	14.12	117	197455	52.391	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	432396	52.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27064	50.044	ug/l	98

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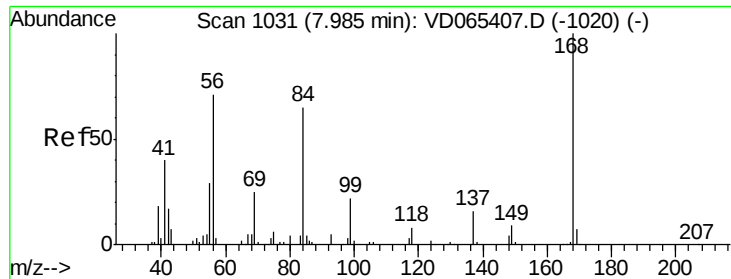
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296543	53.281	ug/l	98
94) Hexachlorobutadiene	15.28	225	192426	52.618	ug/l	98
95) Naphthalene	15.41	128	476967	48.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	256349	53.301	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 469845

Ion Ratio Lower Upper

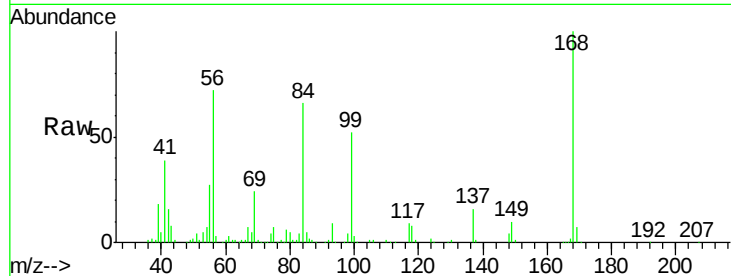
168 100

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

250000

200000

150000

100000

50000

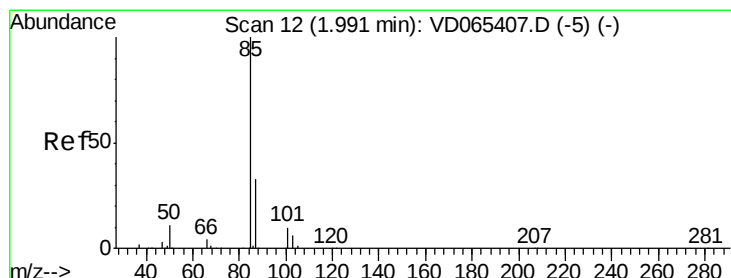
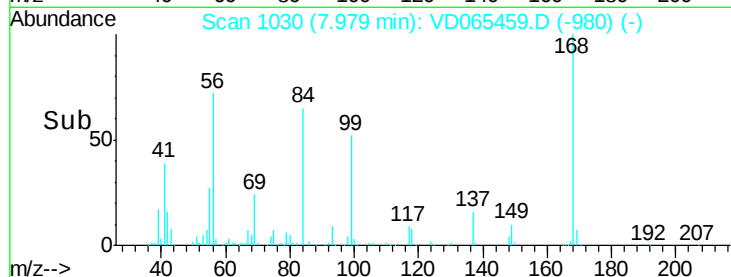
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.929 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065459.D

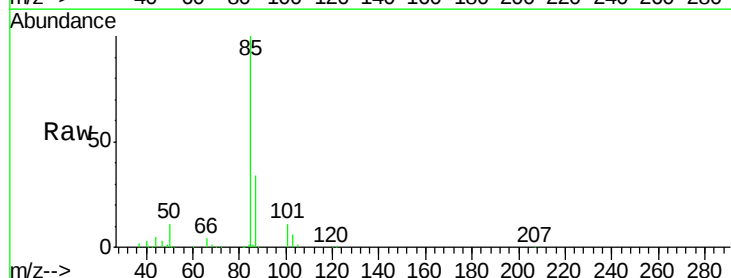
Acq: 10 Mar 2020 10:59

Tgt Ion: 85 Resp: 181423

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

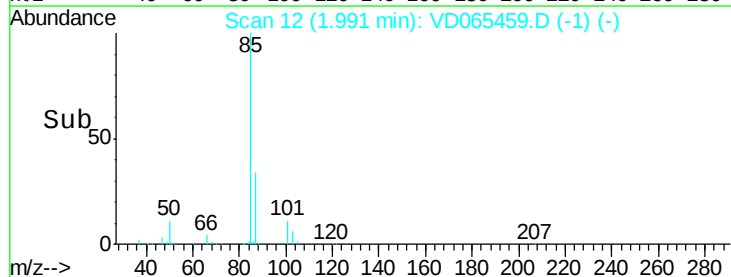
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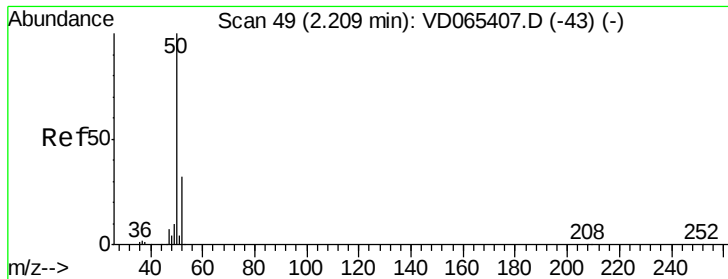
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 45.720 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 222889

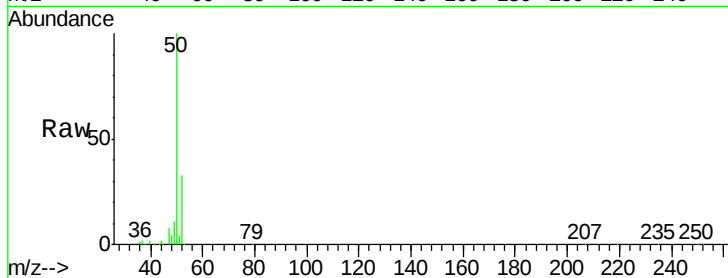
Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

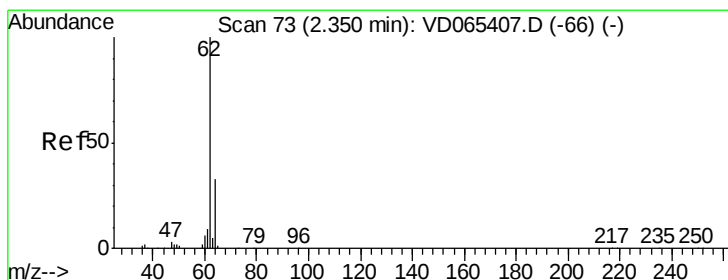
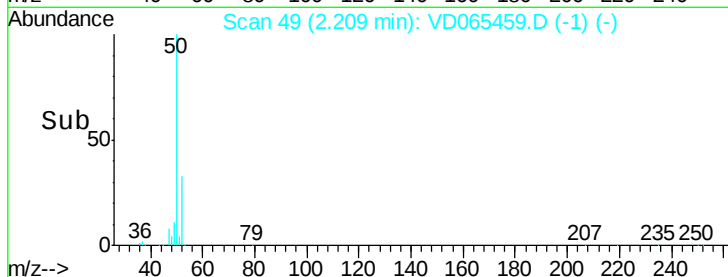
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.655 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065459.D

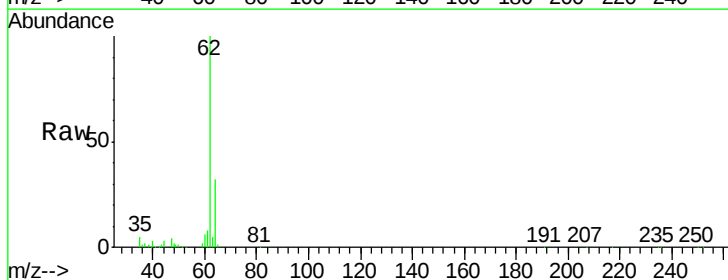
Acq: 10 Mar 2020 10:59

Tgt Ion: 62 Resp: 229152

Ion Ratio Lower Upper

62 100

64 32.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

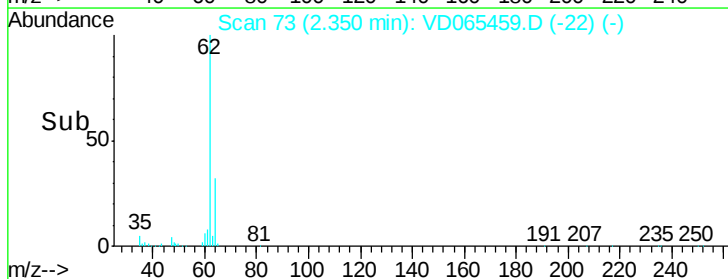
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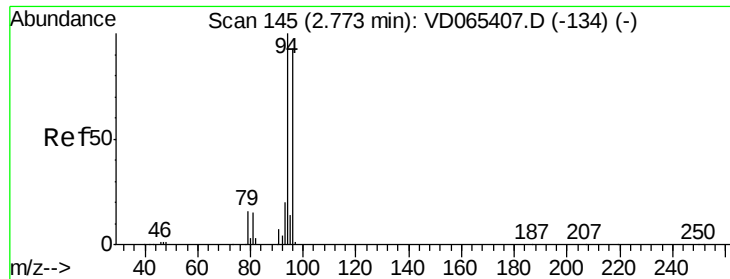
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.326 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 145259

Ion Ratio Lower Upper

94 100

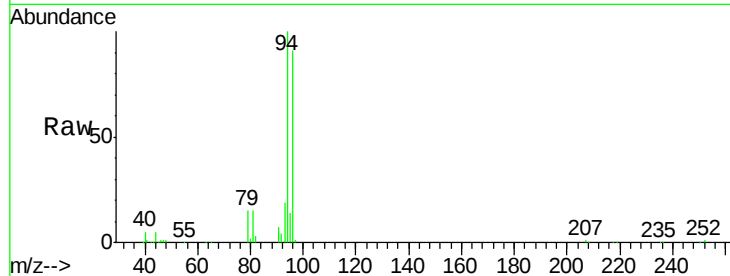
96 91.1 74.4 111.6

Manual Integrations

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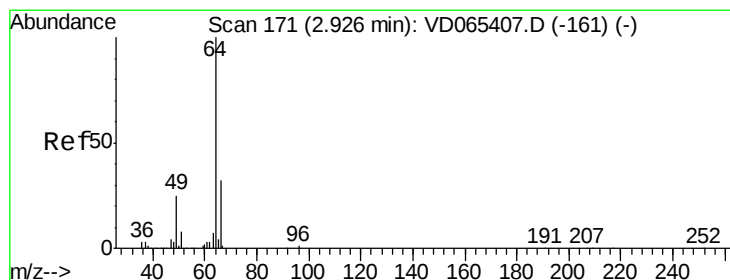
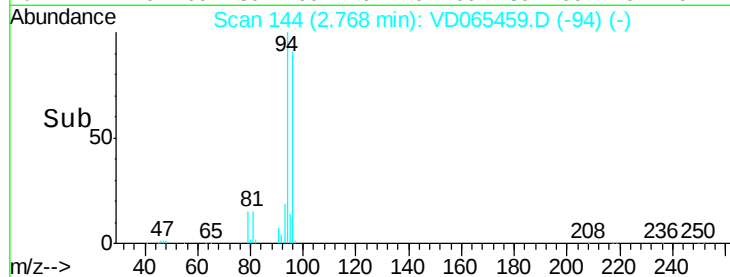
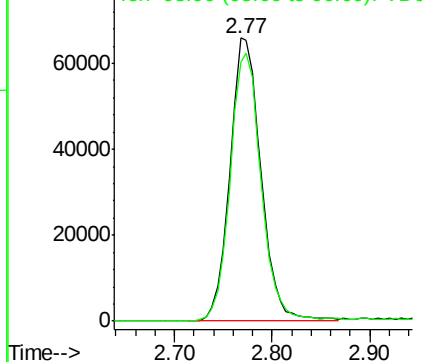
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.002 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065459.D

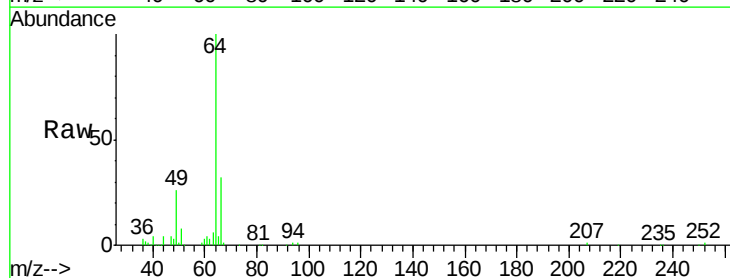
Acq: 10 Mar 2020 10:59

Tgt Ion: 64 Resp: 144312

Ion Ratio Lower Upper

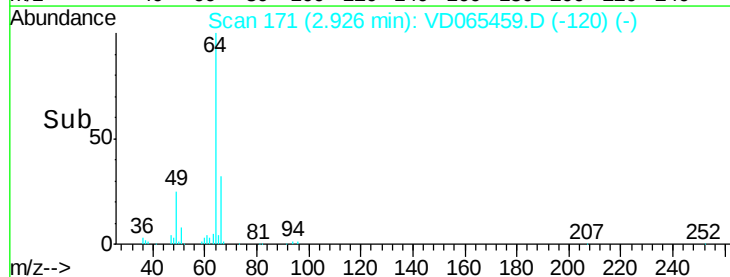
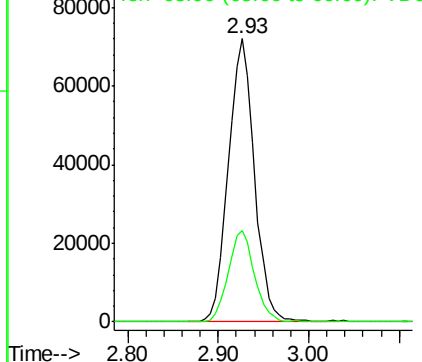
64 100

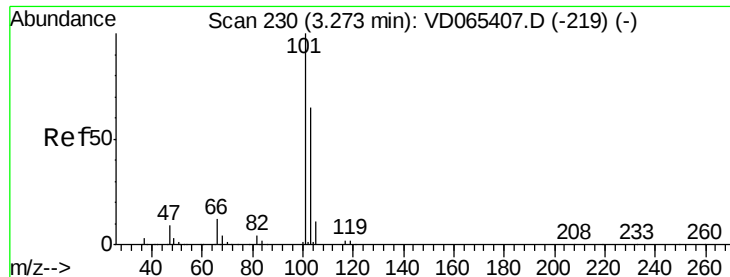
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

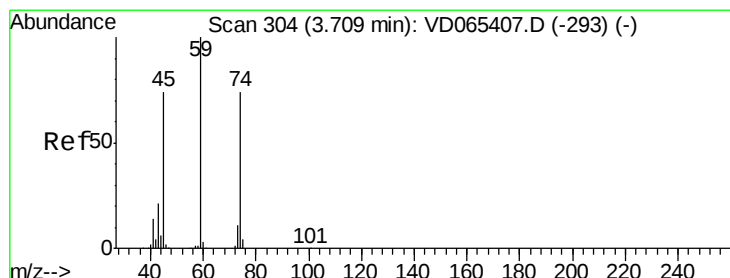
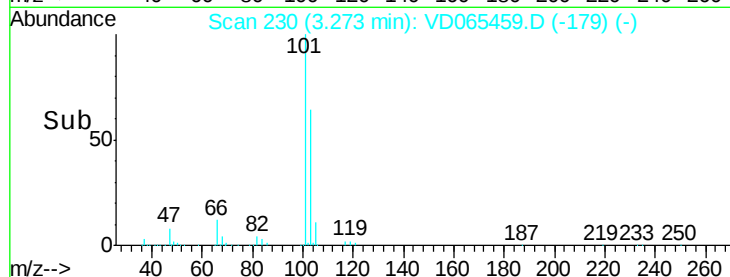
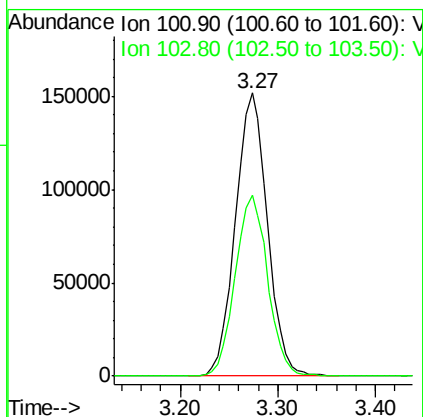
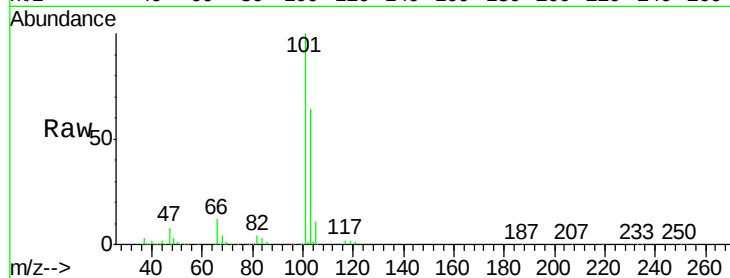
Trichlorofluoromethane
 Concen: 49.053 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

Manual Integrations
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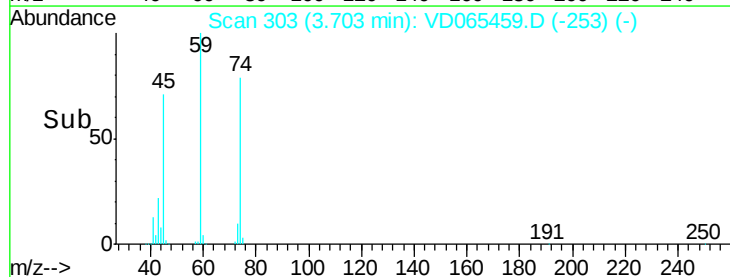
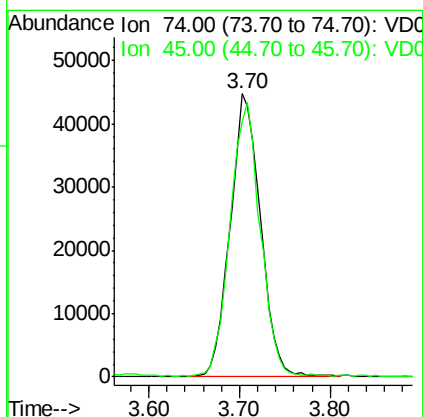
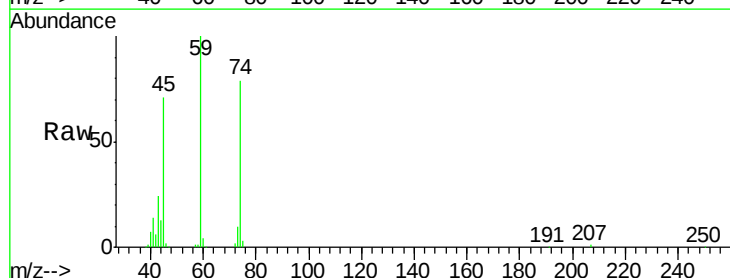
MMDadoda
 3/11/2020 3:20:44 PM

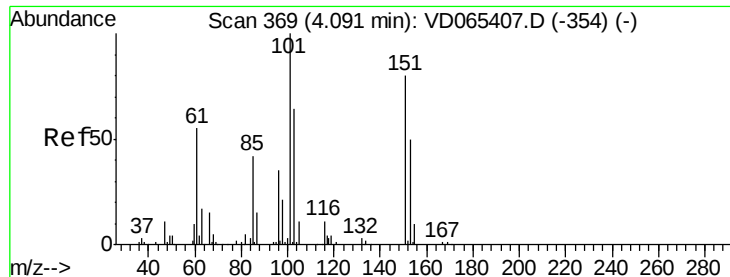


#8

Diethyl Ether
 Concen: 49.465 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.479 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

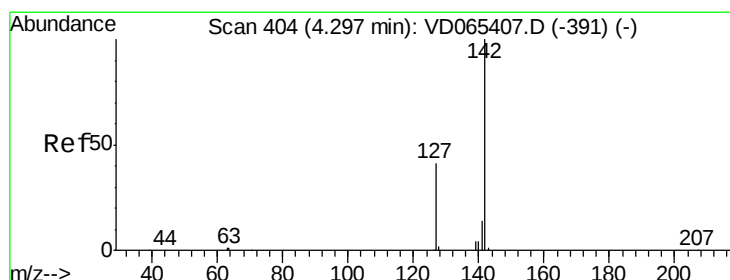
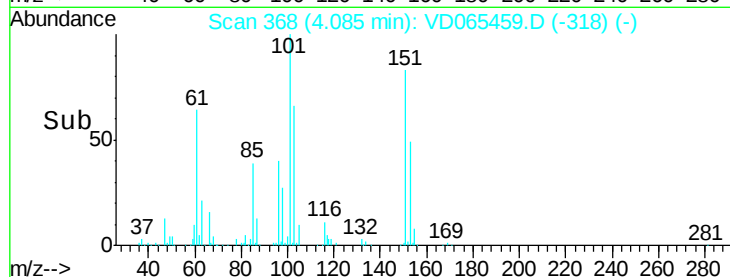
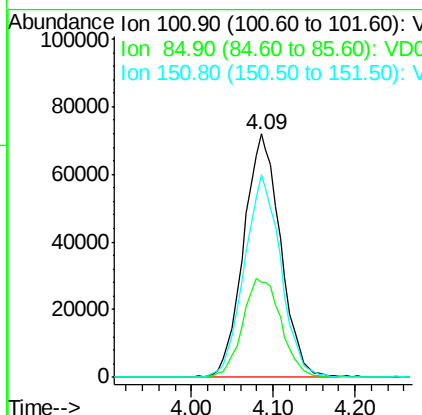
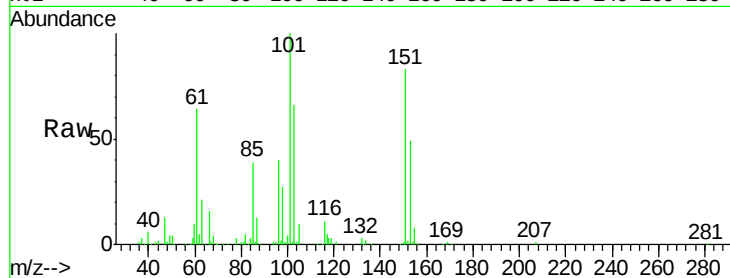
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	225789
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	82.2	65.1	97.7

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 51.156 ug/l

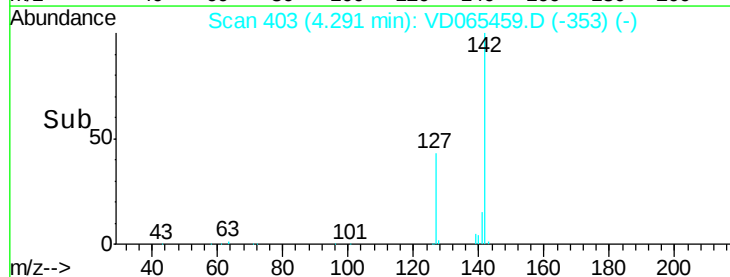
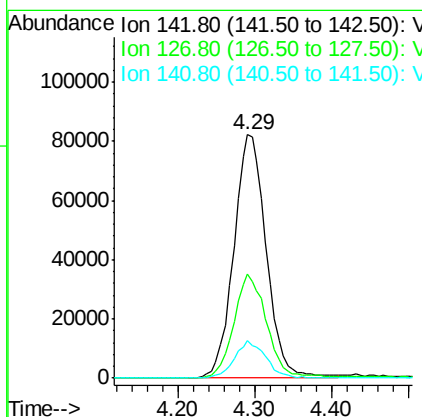
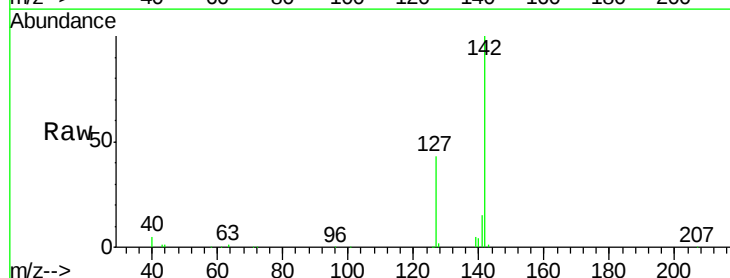
RT: 4.29 min Scan# 403

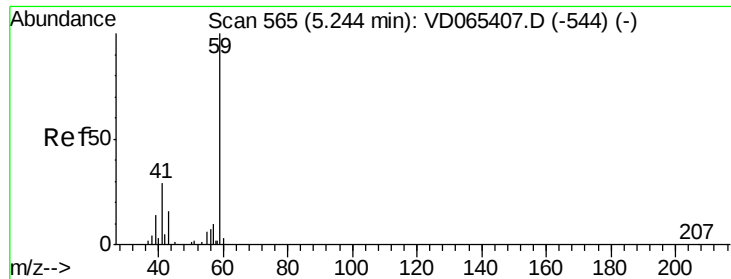
Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	142	Resp:	242522
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.7	12.4	18.6





#11

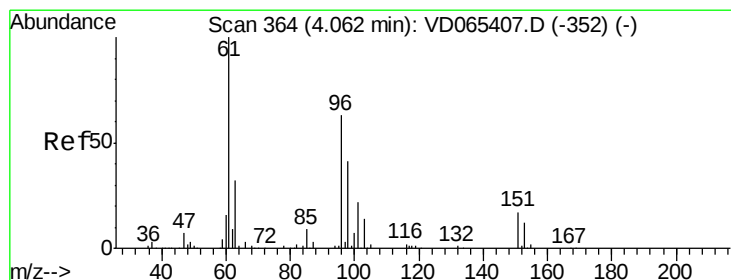
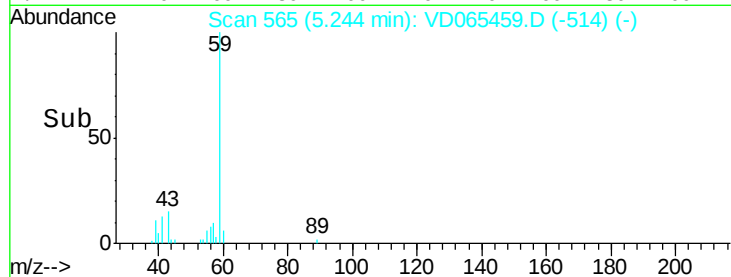
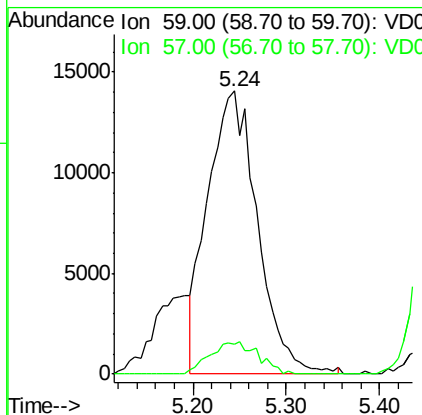
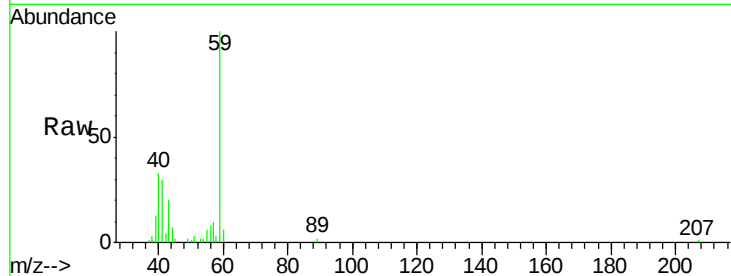
Tert butyl alcohol
Concen: 225.082 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	6.9	10.3#

Manual Integrations
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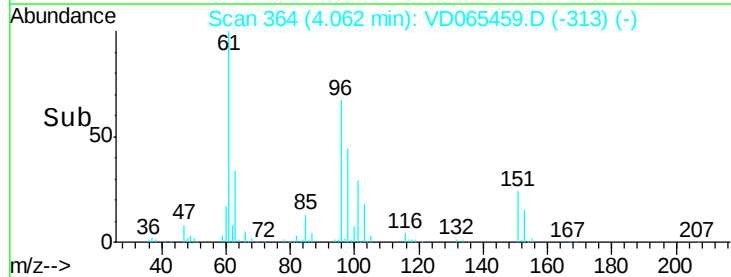
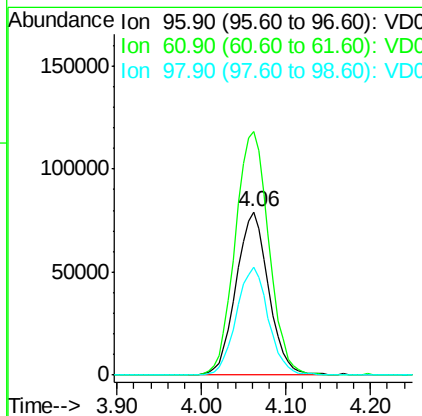
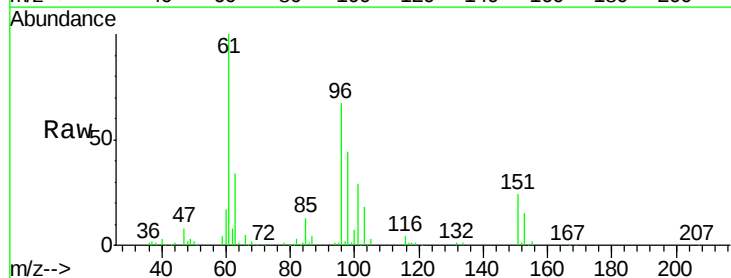
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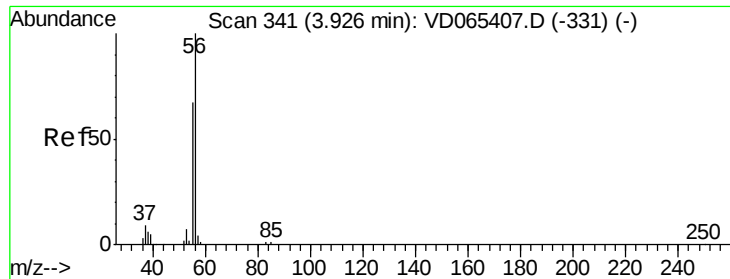


#12

1,1-Dichloroethene
Concen: 48.358 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	128.0	192.0
98	65.9	51.9	77.9





#13

Acrolein

Concen: 282.981 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 112823

Ion Ratio Lower Upper

56 100

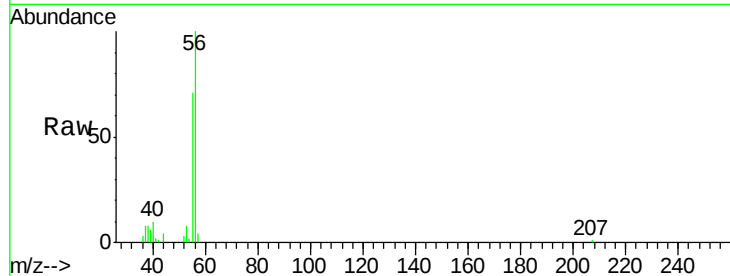
55 70.8 56.6 85.0

Manual Integrations

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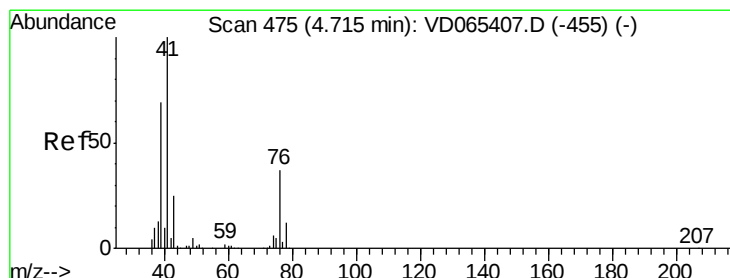
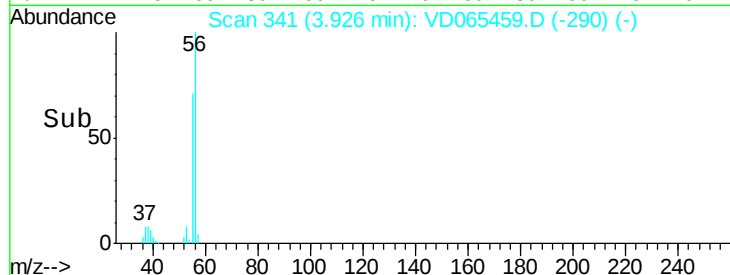
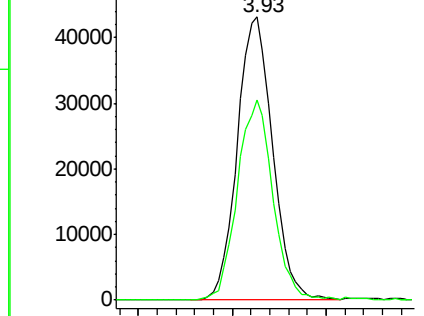
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.505 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

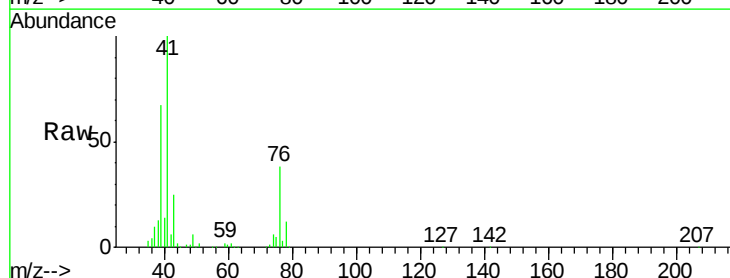
Tgt Ion: 41 Resp: 325589

Ion Ratio Lower Upper

41 100

39 64.9 52.6 79.0

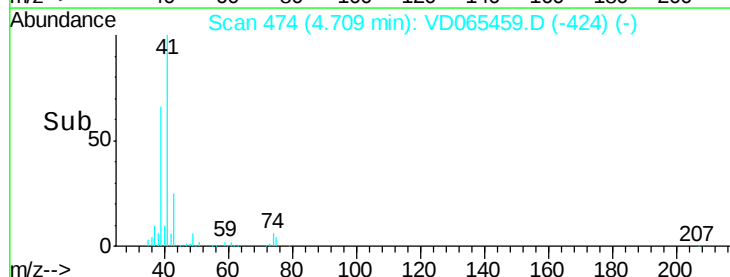
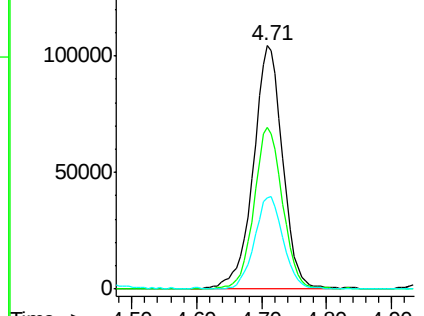
76 36.5 29.2 43.8

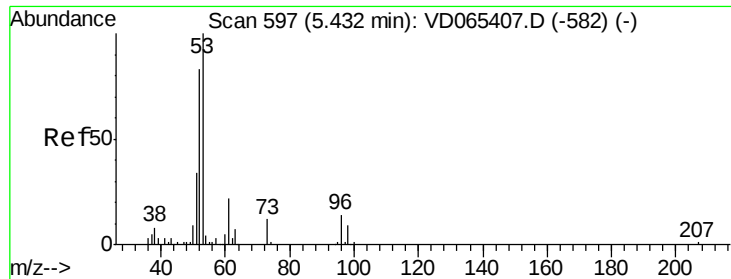


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 250.234 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

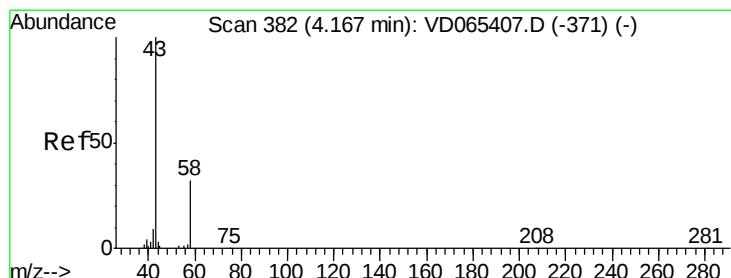
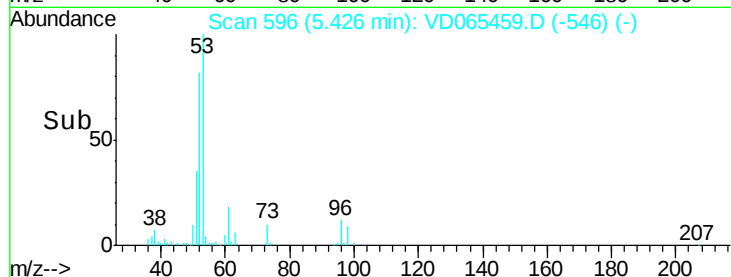
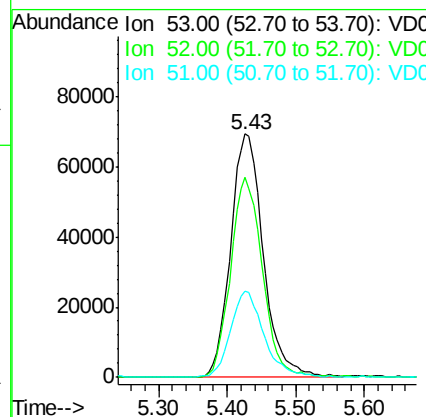
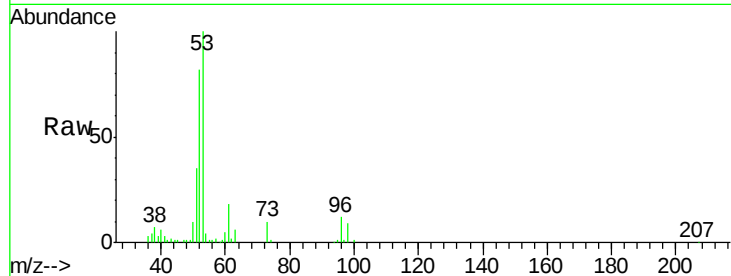
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	229379
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.1	97.7
51	36.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 273.589 ug/l

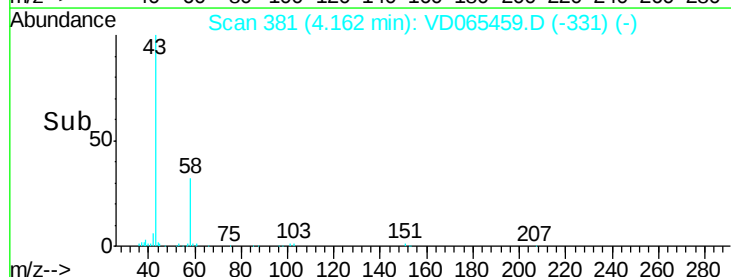
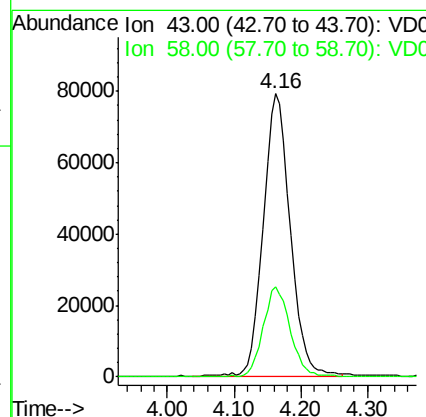
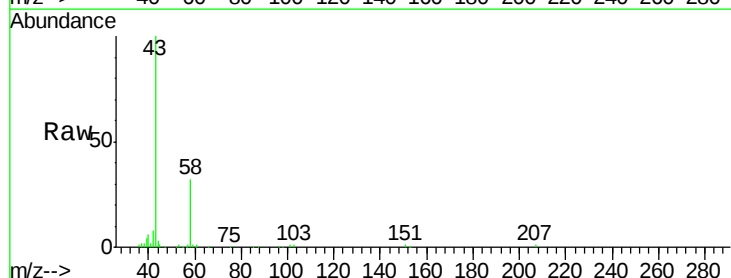
RT: 4.16 min Scan# 381

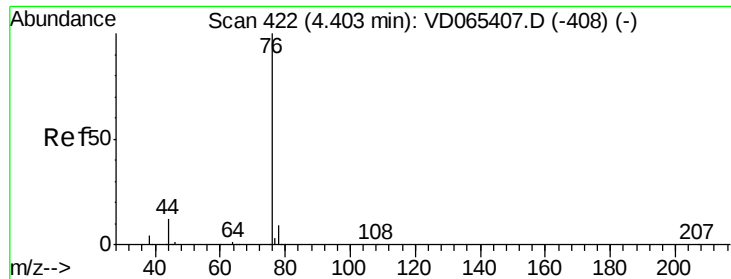
Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion	43	Resp	223001
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7





#17

Carbon Disulfide

Concen: 47.424 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 690094

Ion Ratio Lower Upper

76 100

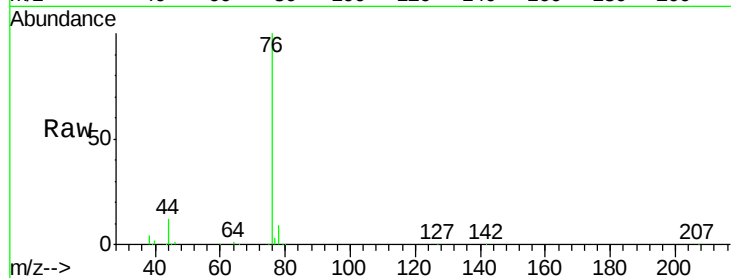
78 8.8 7.4 11.0

Manual Integrations

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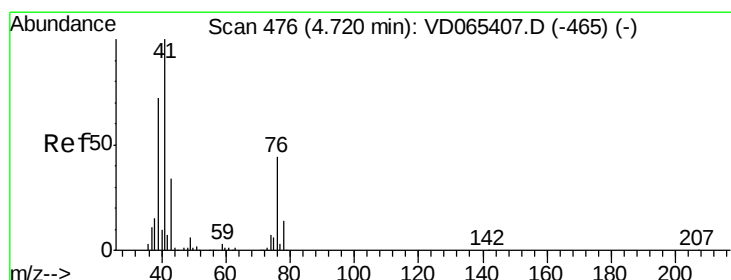
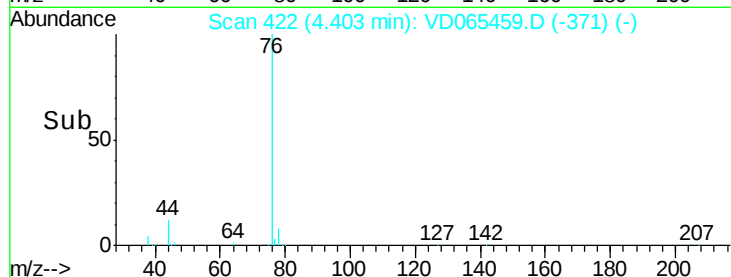
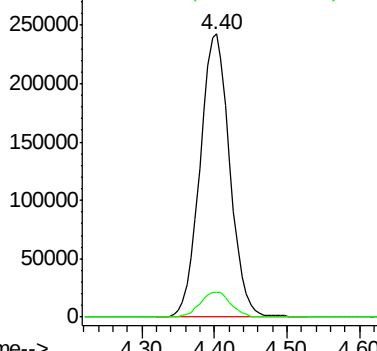
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.884 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065459.D

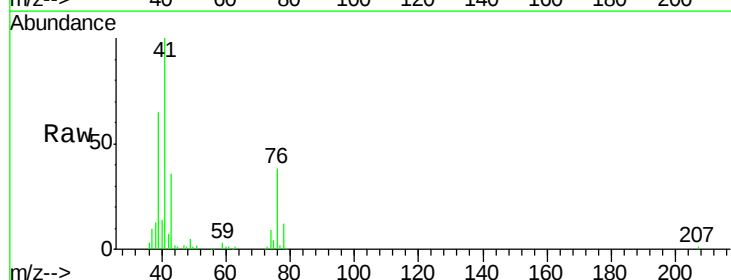
Acq: 10 Mar 2020 10:59

Tgt Ion: 43 Resp: 99005

Ion Ratio Lower Upper

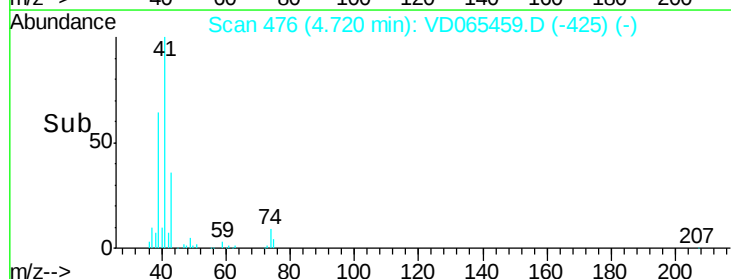
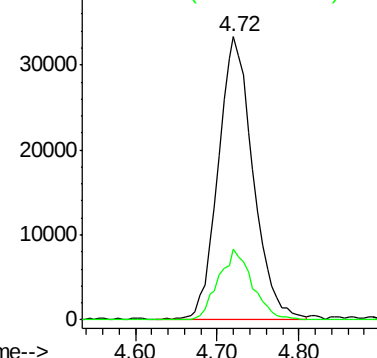
43 100

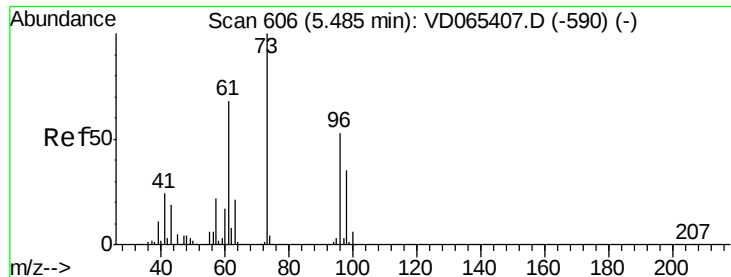
74 24.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

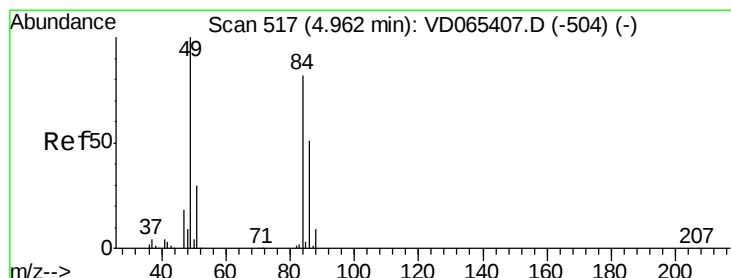
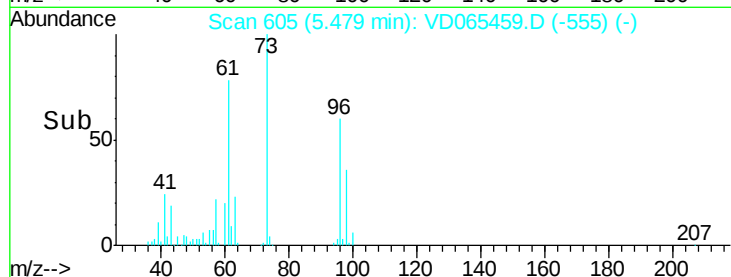
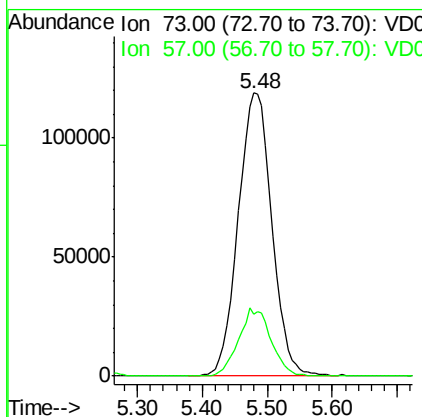
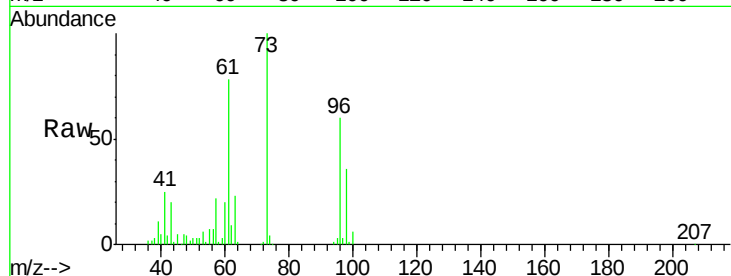
Methyl tert-butyl Ether
 Concen: 50.651 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	425623
Ion Ratio	Lower	Upper	
73	100		
57	21.7	17.3	25.9

Manual Integrations
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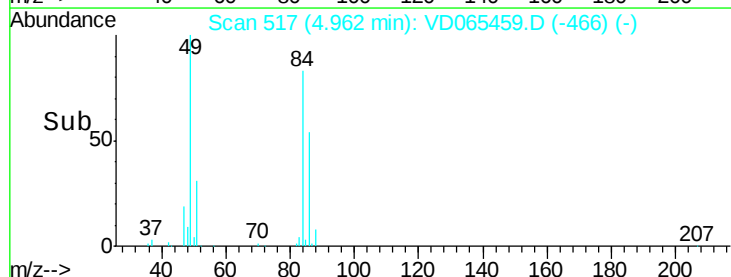
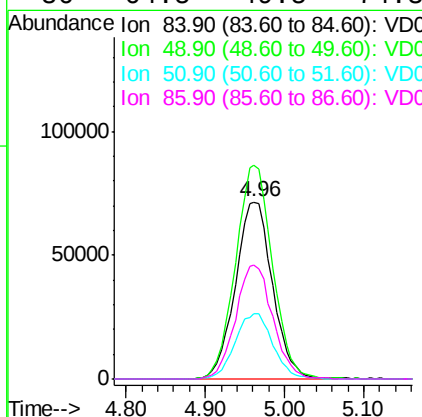
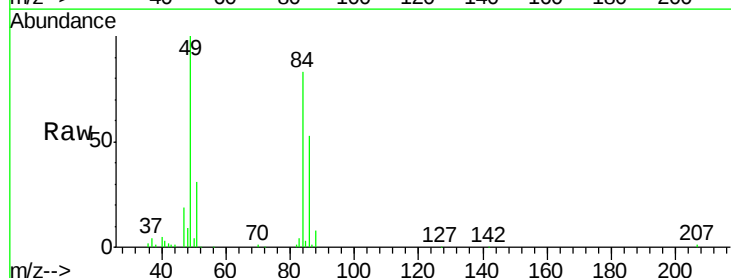
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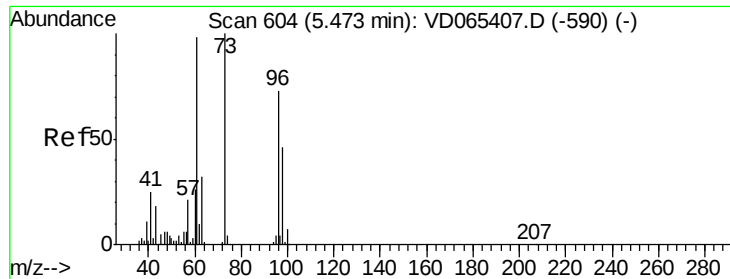


#20

Methylene Chloride
 Concen: 52.678 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	84	Resp	232355
Ion Ratio	Lower	Upper	
84	100		
49	120.8	97.7	146.5
51	37.0	28.8	43.2
86	64.5	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 51.179 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

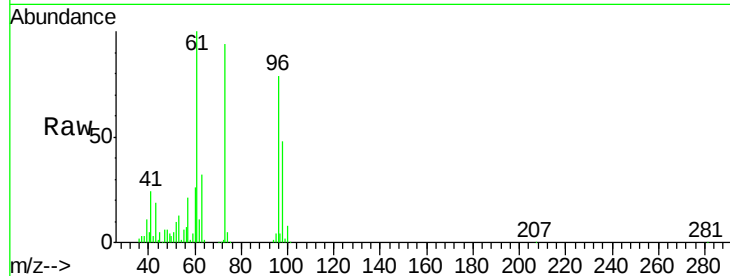
ClientSampleId :

VSTDCCC050

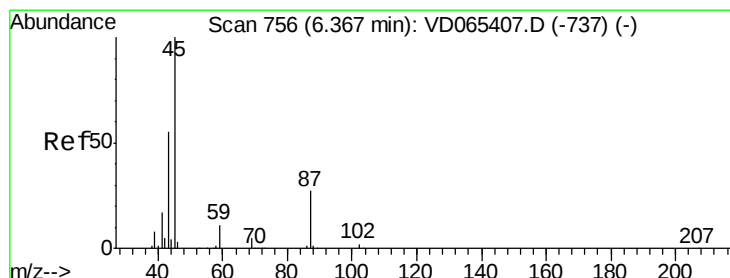
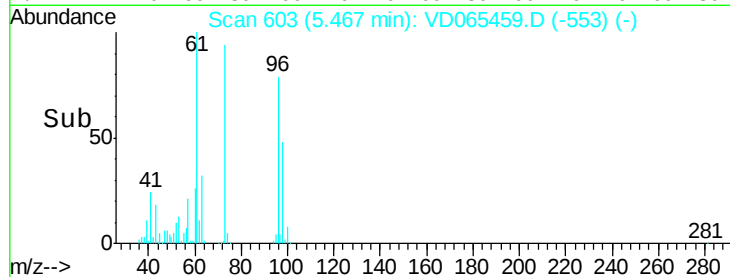
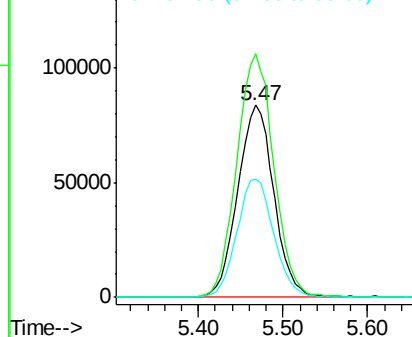
Tot Ion:	96	Resp:	248774
Ion	Ratio	Lower	Upper
96	100		
61	126.5	106.3	159.5
98	61.4	50.2	75.4

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



#22

Diisopropyl ether

Concen: 52.564 ug/l

RT: 6.37 min Scan# 756

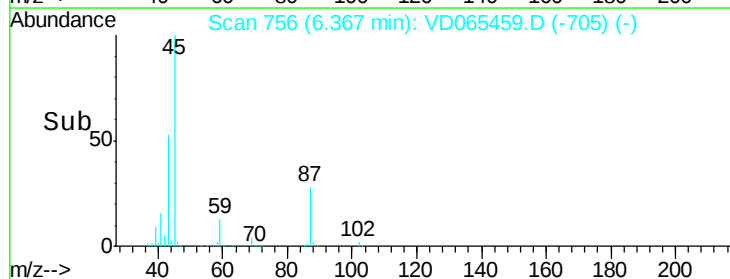
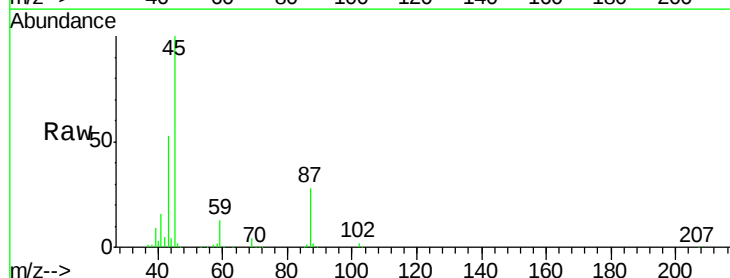
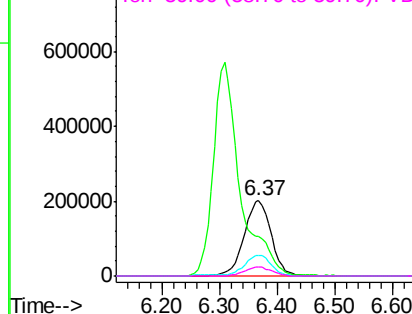
Delta R.T. -0.00 min

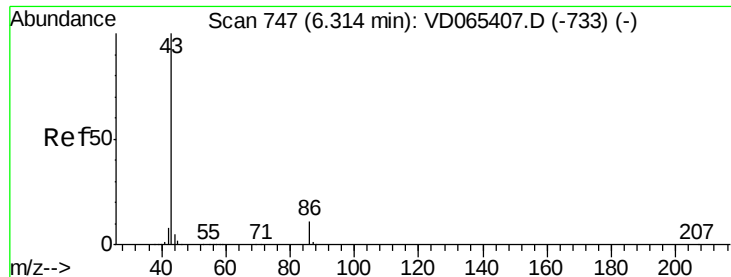
Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	45	Resp:	655908
Ion	Ratio	Lower	Upper
45	100		
43	52.6	44.4	66.6
87	27.8	21.9	32.9
59	12.8	9.2	13.8

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 267.093 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1850548

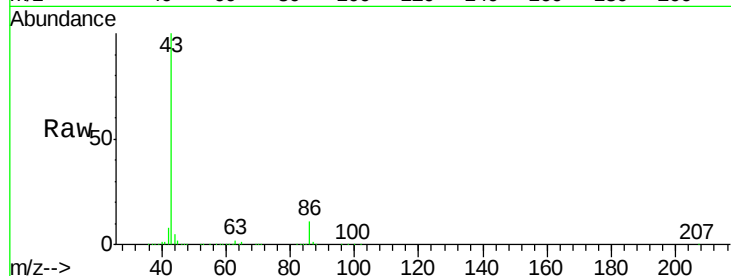
Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3

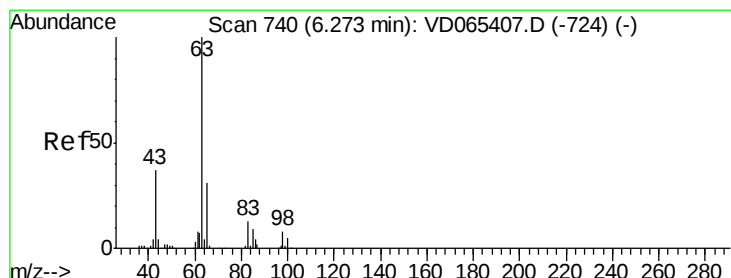
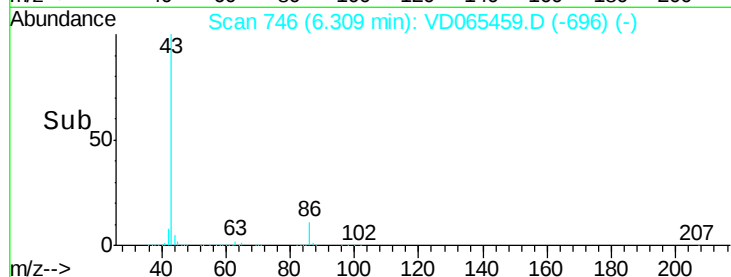
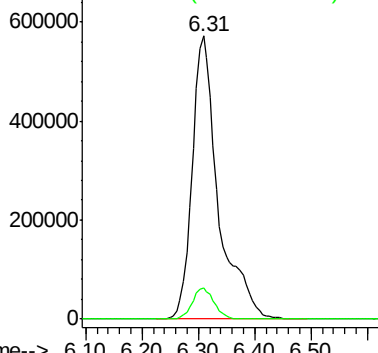
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.232 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

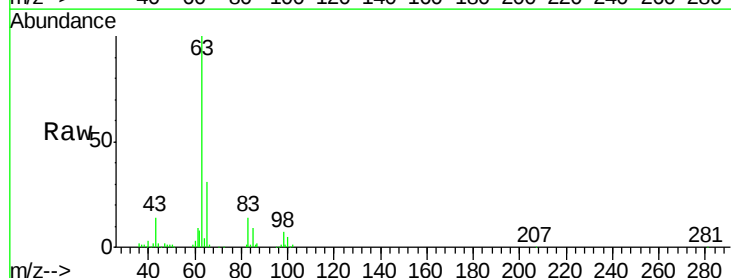
Tgt Ion: 63 Resp: 402039

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

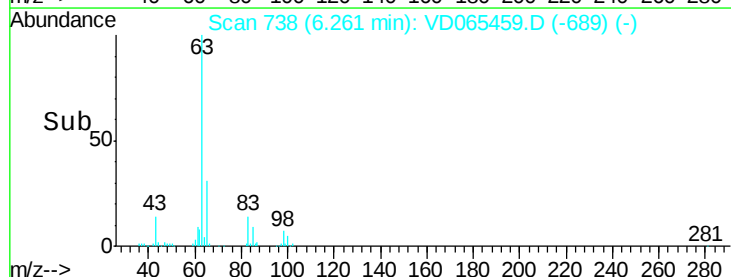
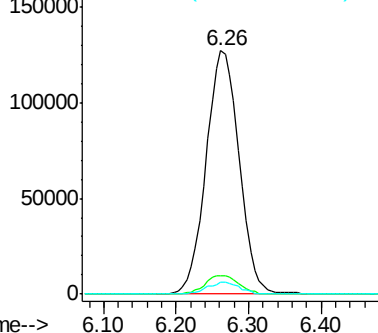
100 5.0 2.4 7.2

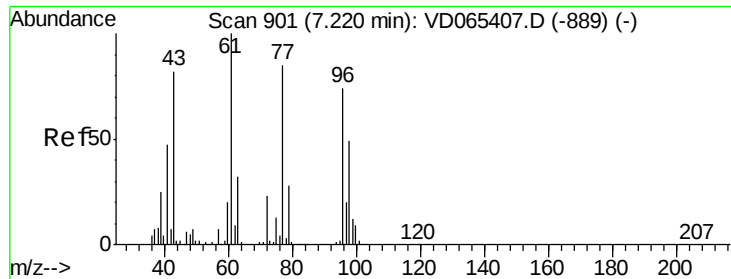


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 257.453 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 286370

Ion Ratio Lower Upper

43 100

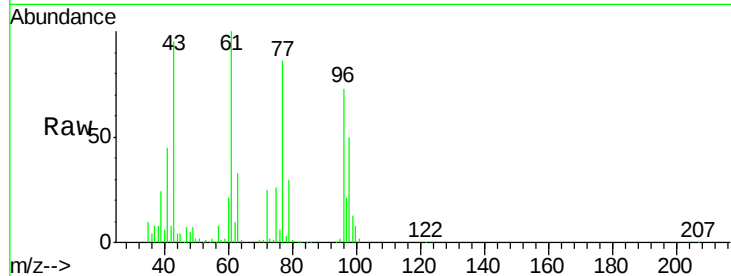
72 26.0 22.3 33.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

120000

100000

80000

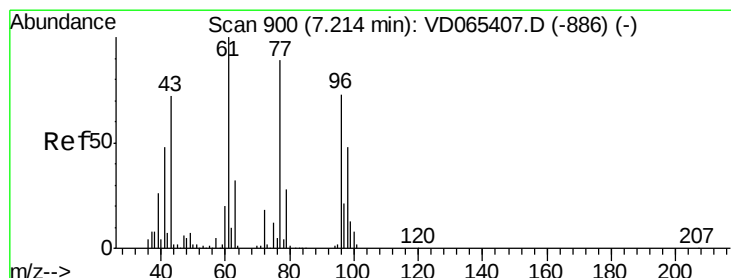
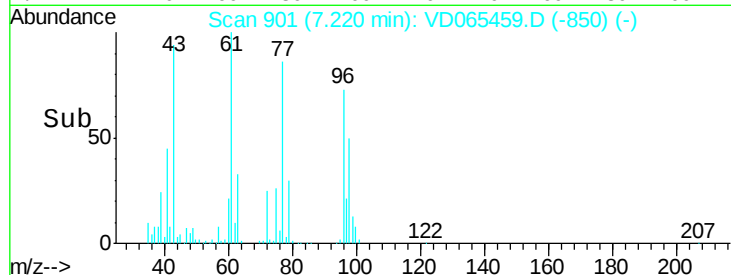
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.929 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065459.D

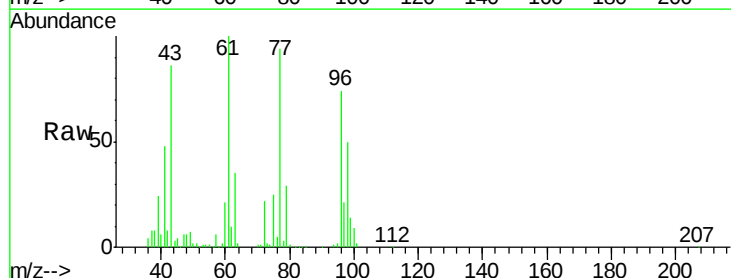
Acq: 10 Mar 2020 10:59

Tgt Ion: 77 Resp: 356212

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

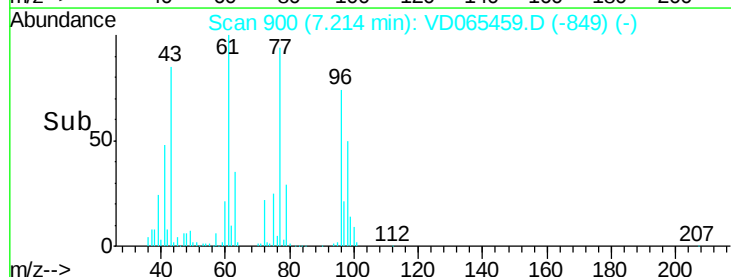
7.21

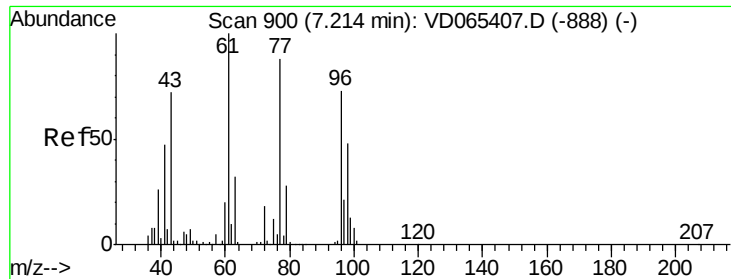
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.052 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065459.D

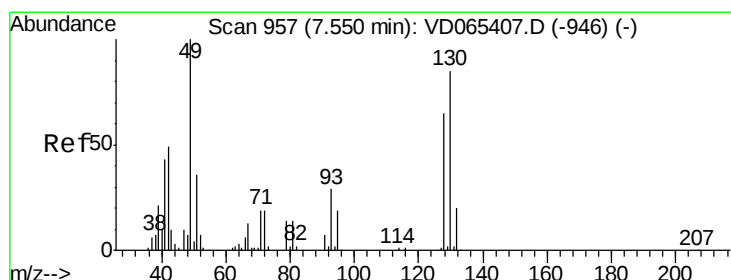
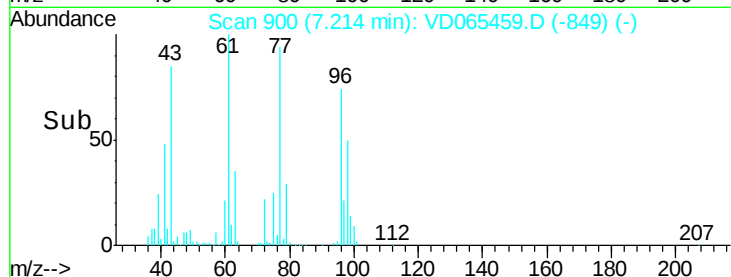
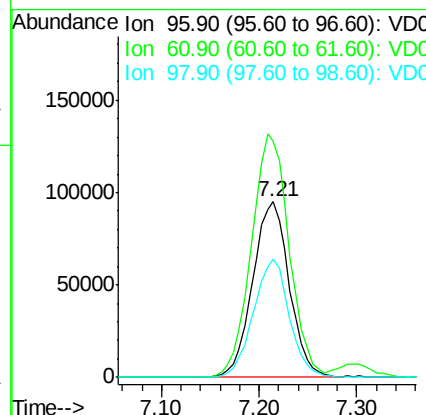
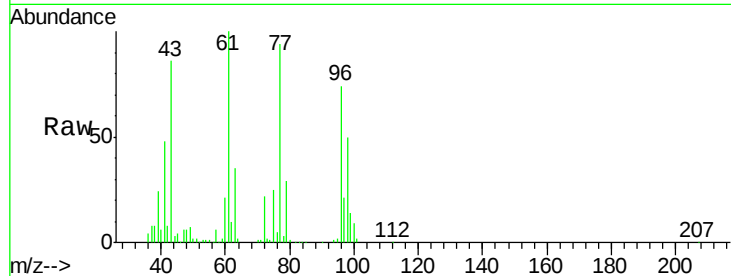
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248680		
61	142.4	0.0	280.4	
98	66.2	0.0	132.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 52.035 ug/l

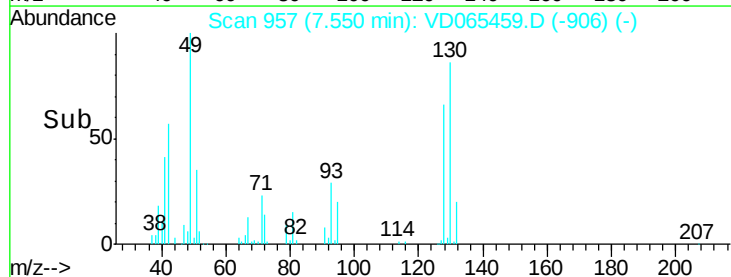
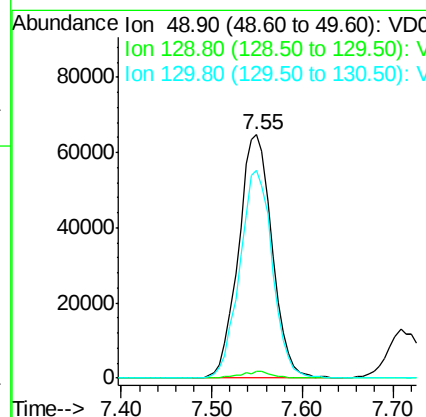
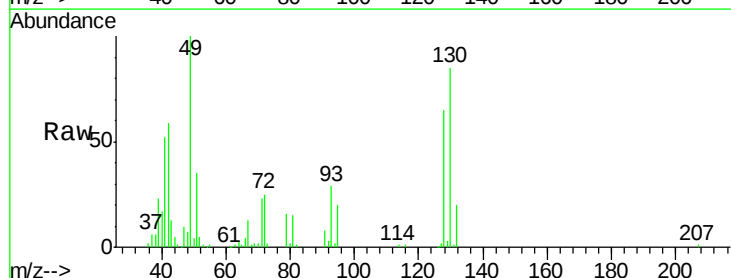
RT: 7.55 min Scan# 957

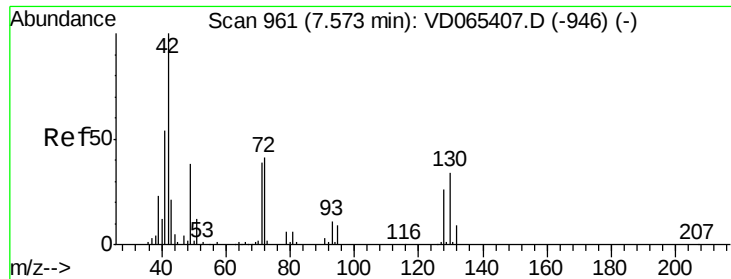
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166625		
129	2.5	0.0	4.6	
130	83.2	66.6	100.0	





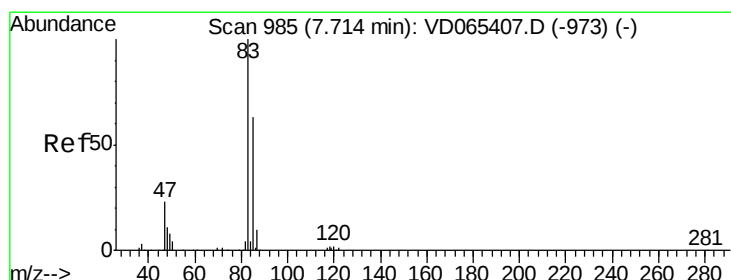
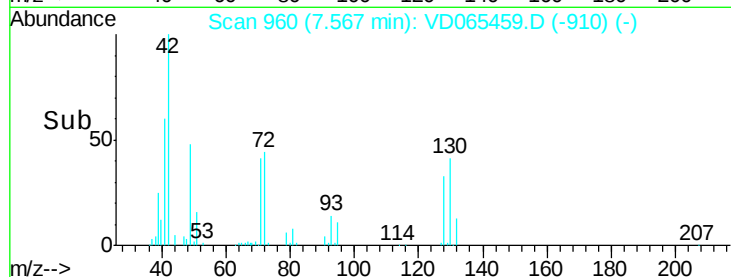
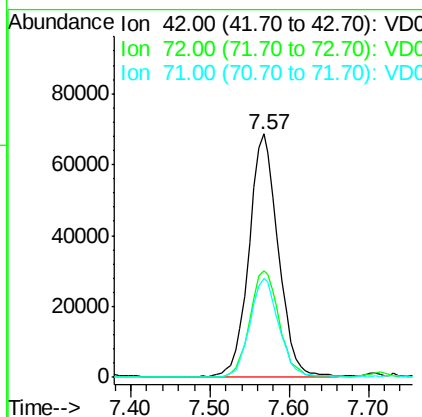
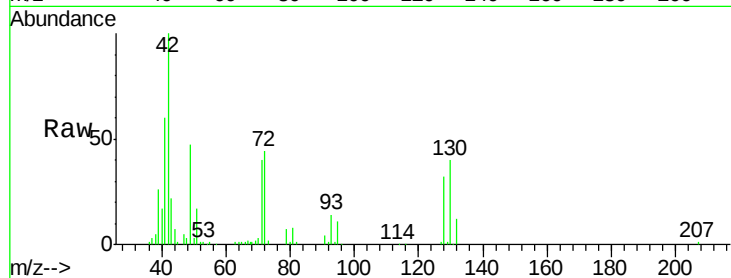
#29
Tetrahydrofuran
Concen: 250.380 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.0	49.6
71	40.3	32.0	48.0

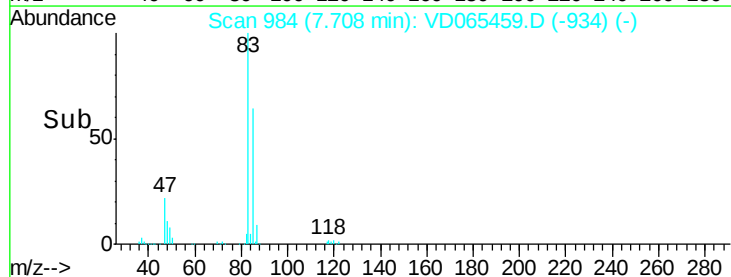
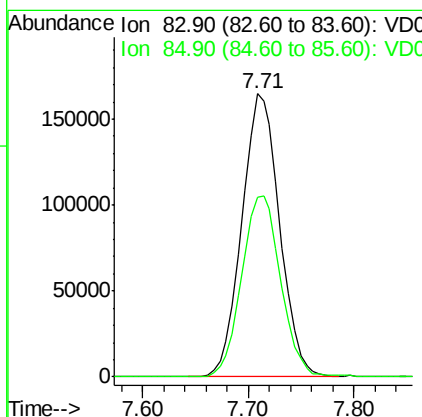
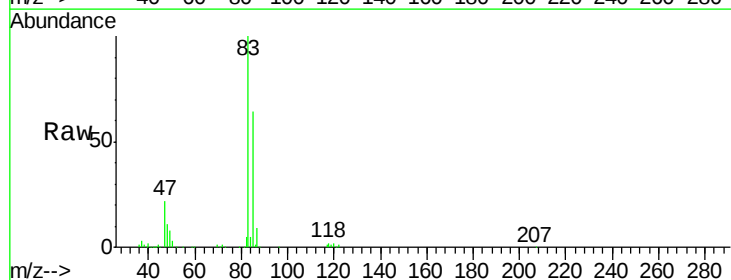
Manual Integrations
APPROVED

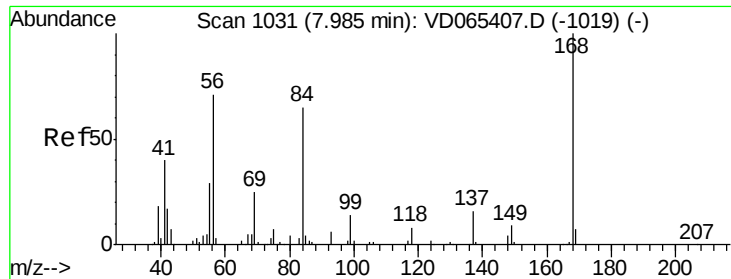
MMDadoda
3/11/2020 3:20:44 PM



#30
Chloroform
Concen: 51.148 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5





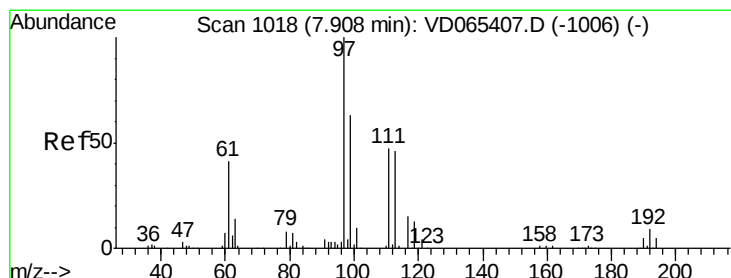
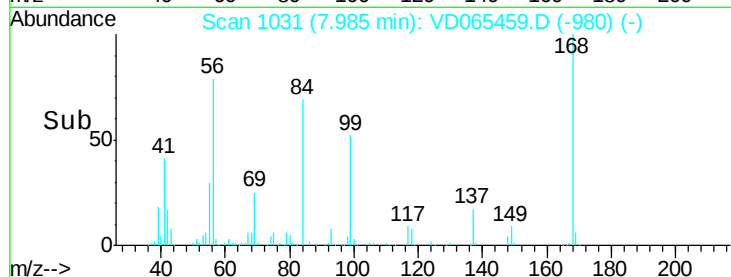
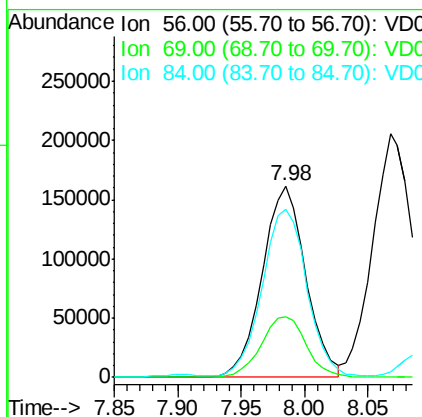
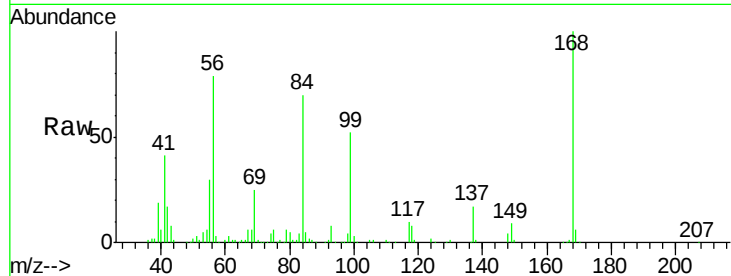
#31
Cyclohexane
Concen: 48.236 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	28.3	42.5
84	86.1	73.1	109.7

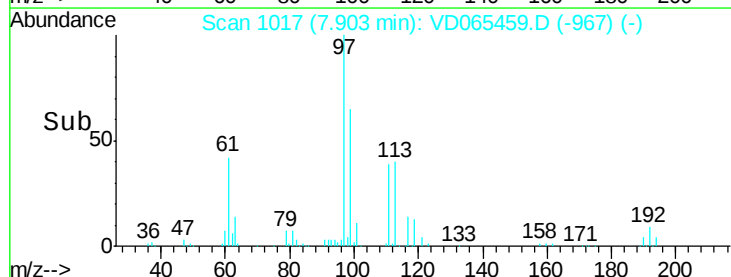
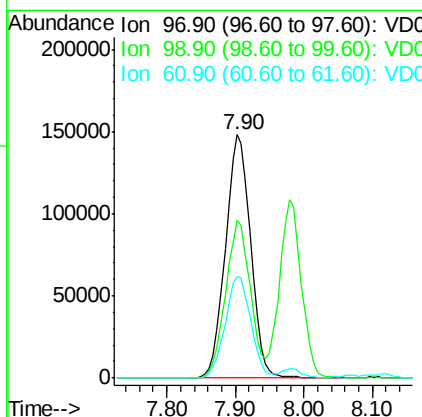
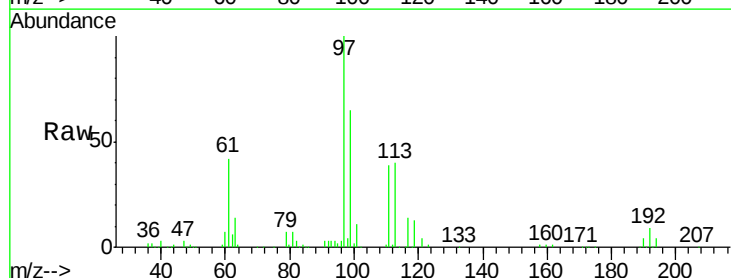
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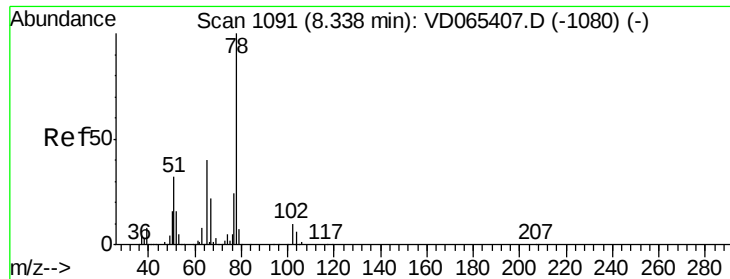
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.907 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	42.5	33.2	49.8





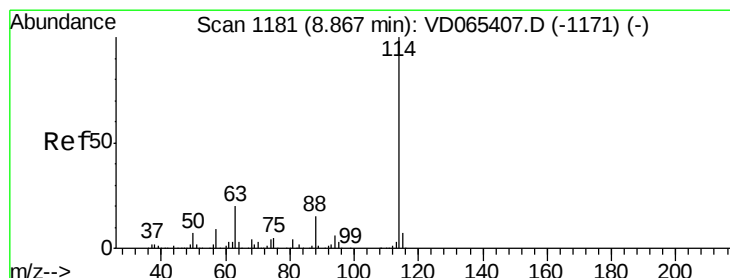
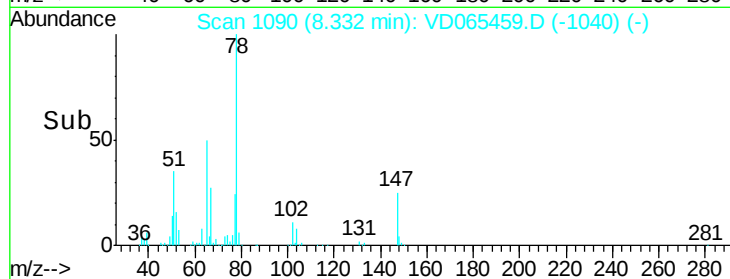
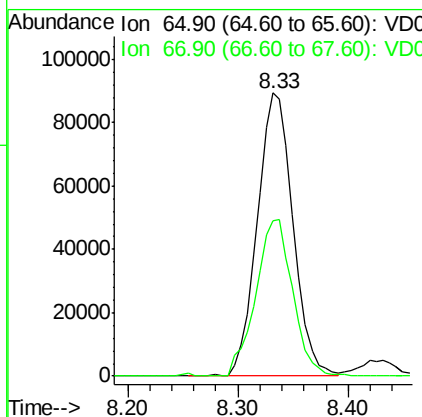
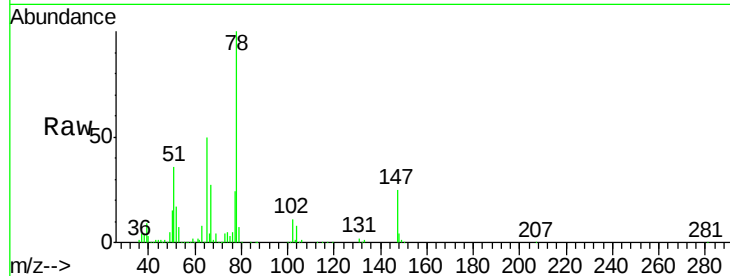
#33
 1,2-Dichloroethane-d4
 Concen: 50.178 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202234		
67	57.4	0.0	108.0	

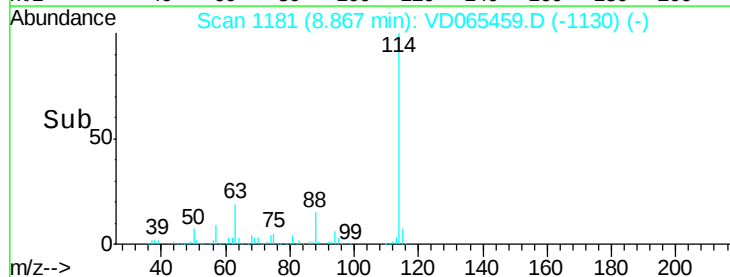
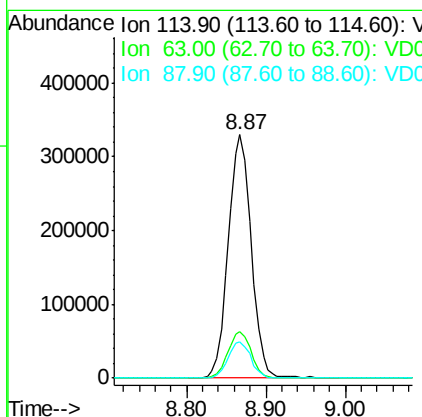
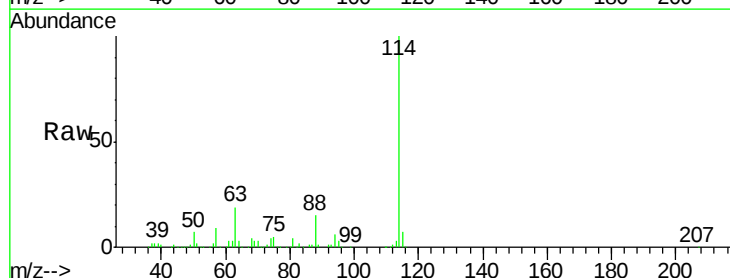
Manual Integrations
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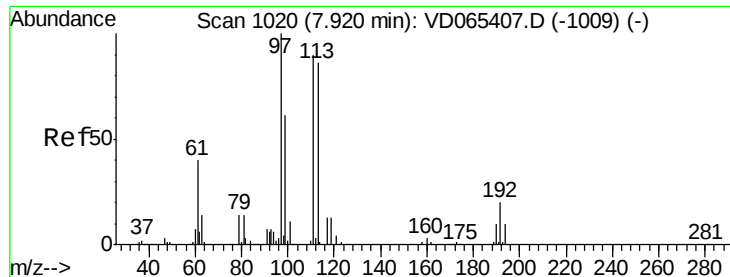
MMDadoda
 3/11/2020 3:20:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	661644		
63	19.2	0.0	39.6	
88	14.9	0.0	30.4	





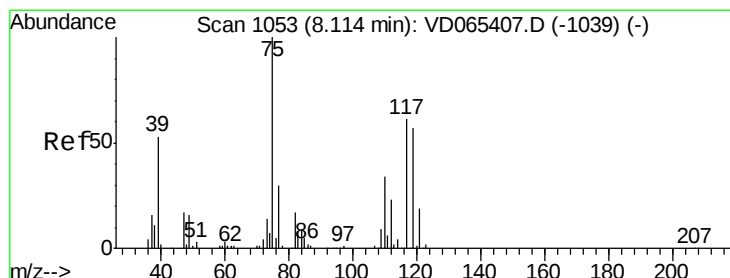
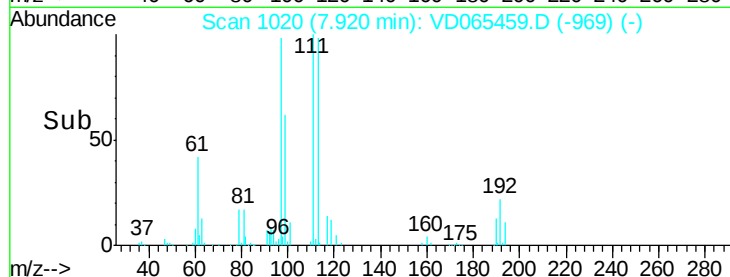
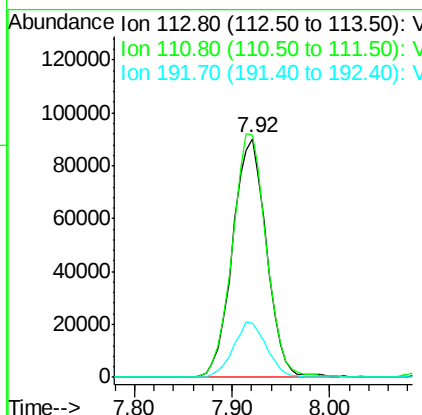
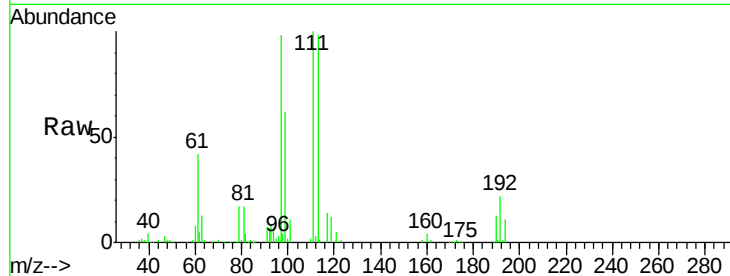
#35
 Dibromofluoromethane
 Concen: 53.046 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	22.8	17.2	25.8

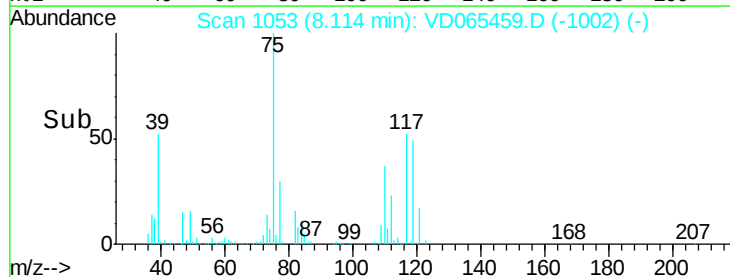
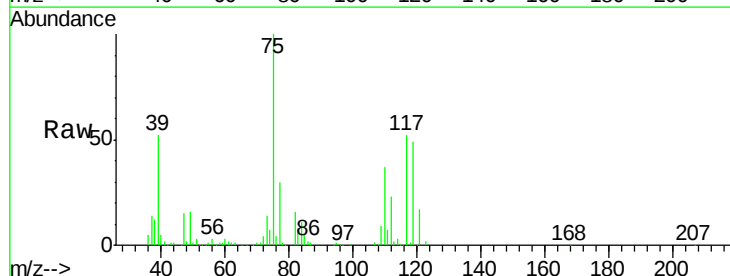
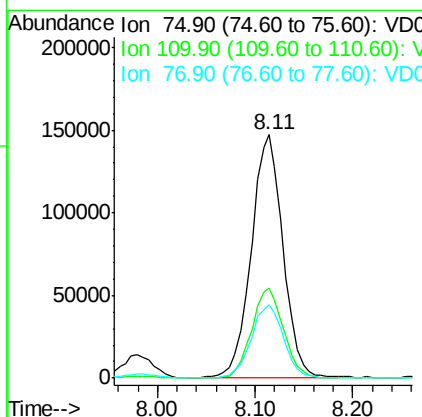
Manual Integrations
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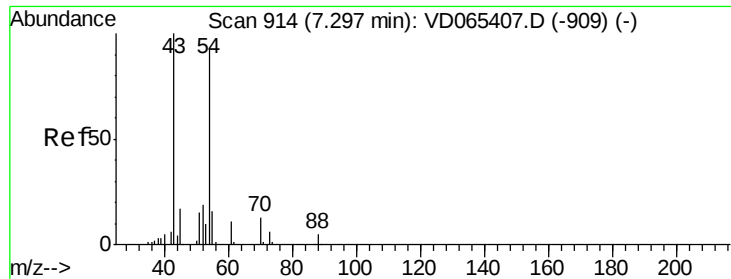
MMDadoda
 3/11/2020 3:20:44 PM



#36
 1,1-Dichloropropene
 Concen: 52.551 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.1	54.1
77	31.3	25.2	37.8





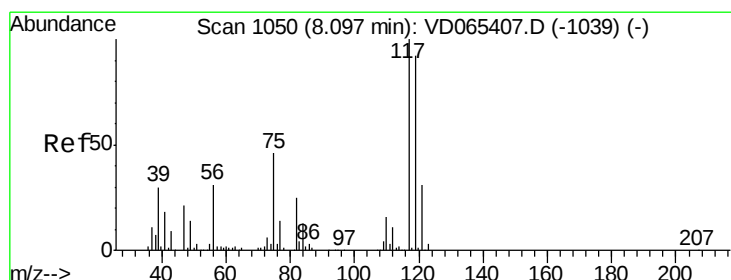
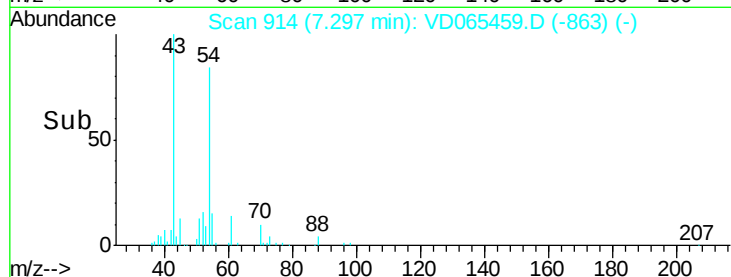
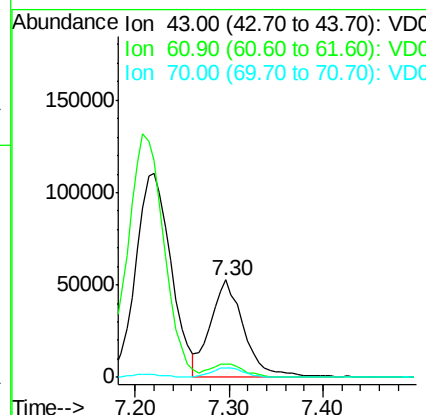
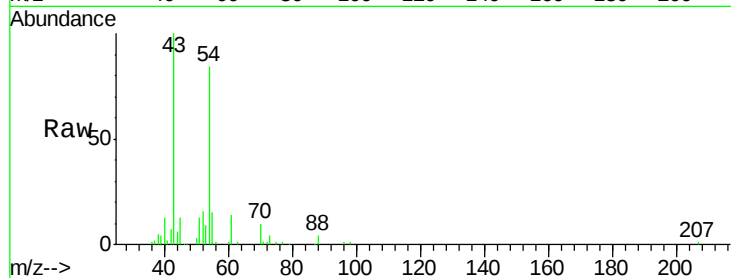
#37
Ethyl Acetate
Concen: 53.047 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	10.4	9.0	13.4

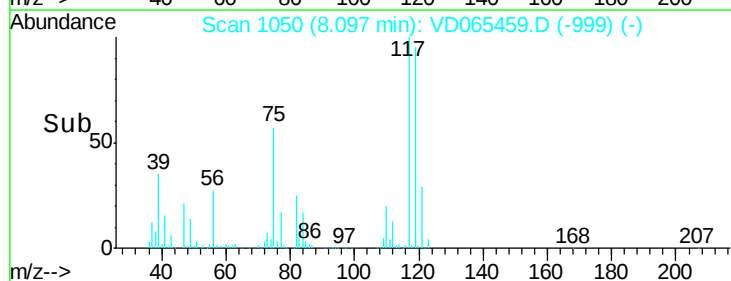
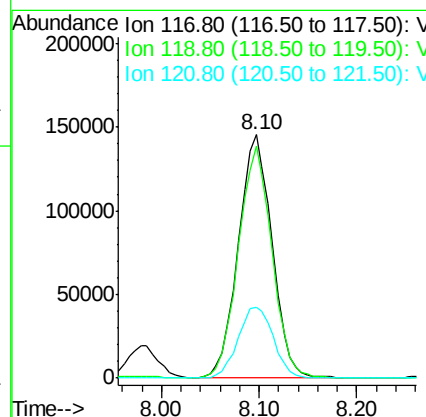
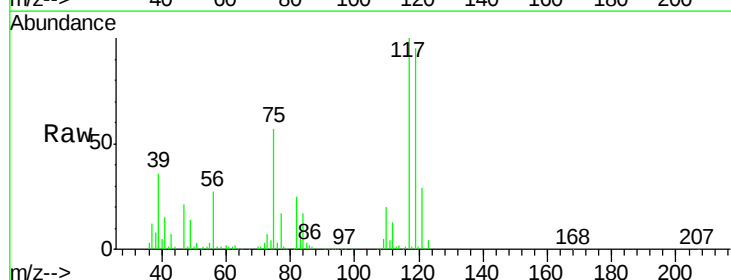
Manual Integrations
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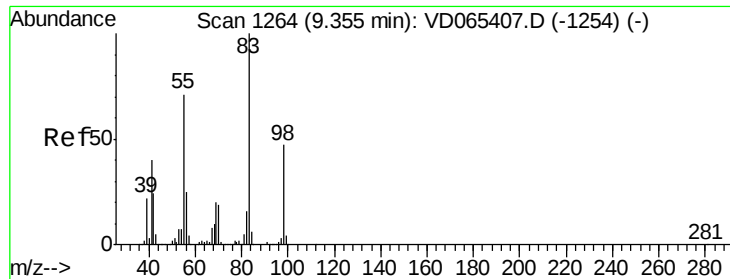
MMDadoda
3/11/2020 3:20:44 PM



#38
Carbon Tetrachloride
Concen: 52.987 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.3	109.9
121	29.4	25.0	37.4





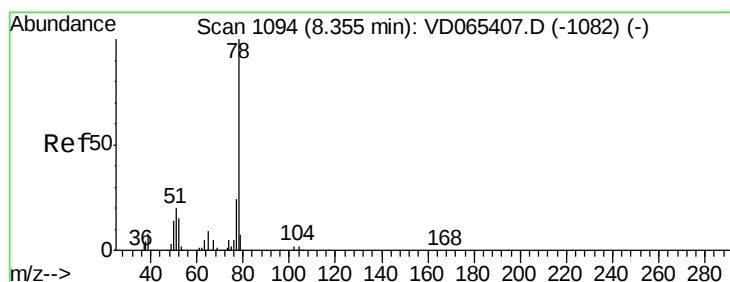
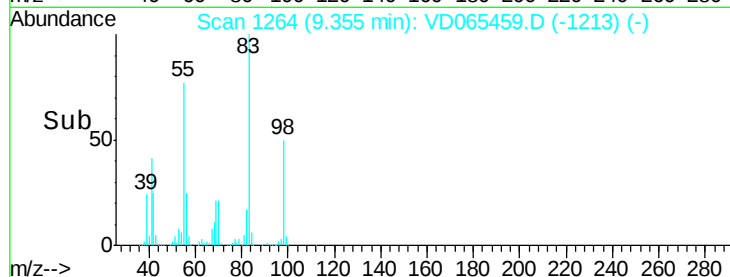
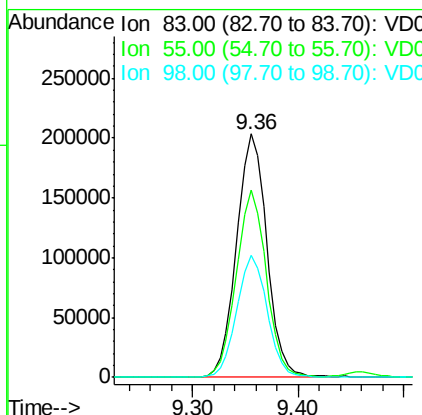
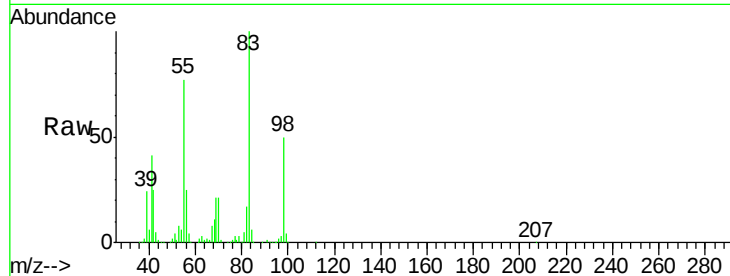
#39
Methvlcvclohexane
Concen: 53.078 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.1	85.7
98	50.0	37.8	56.8

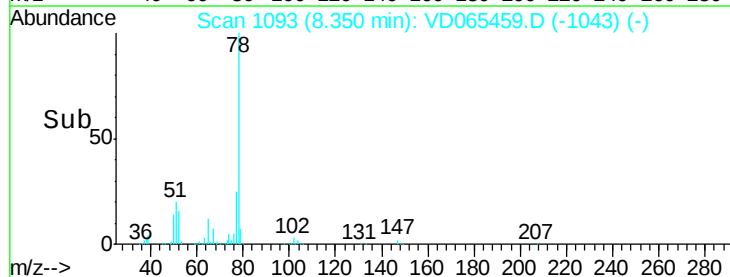
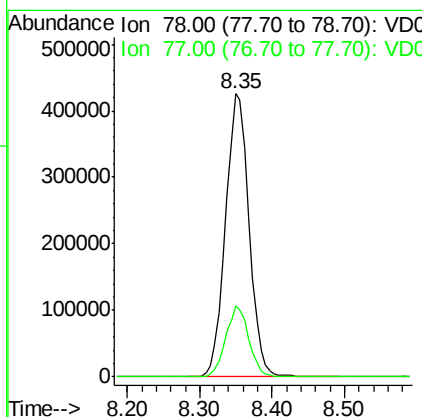
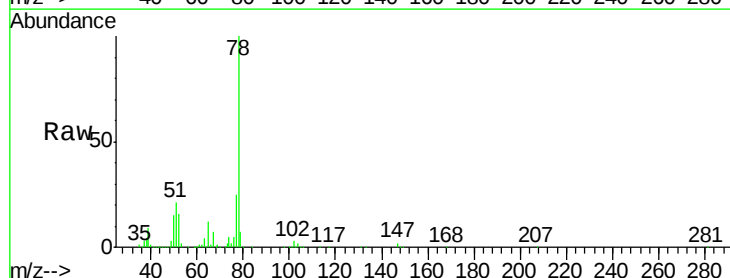
Manual Integrations
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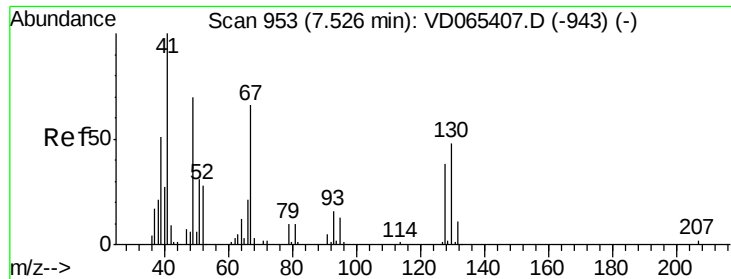
MMDadoda
3/11/2020 3:20:44 PM



#40
Benzene
Concen: 54.210 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.4	29.0





#41

Methacrylonitrile

Concen: 57.459 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 74491

Ion Ratio Lower Upper

41 100

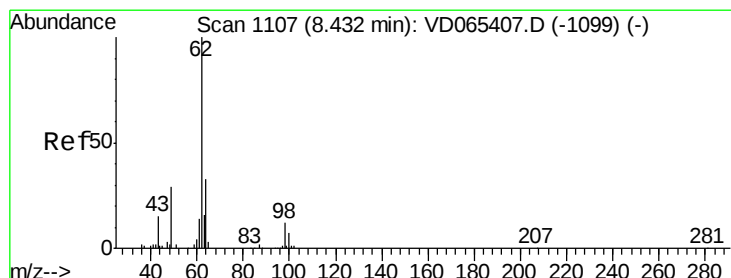
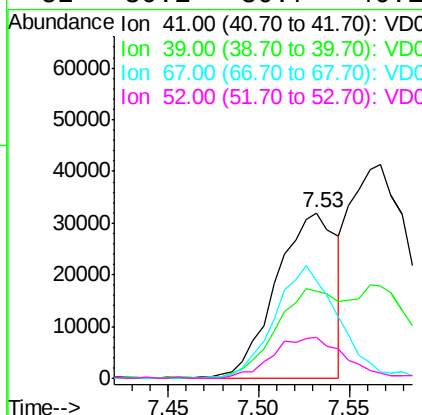
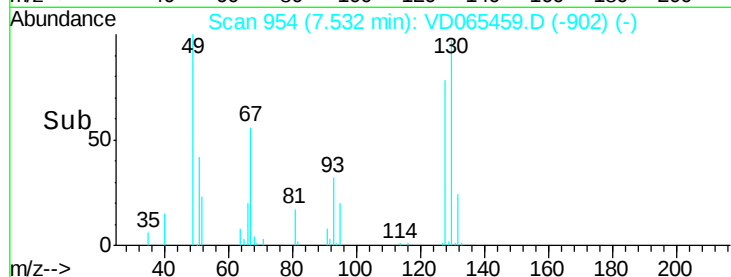
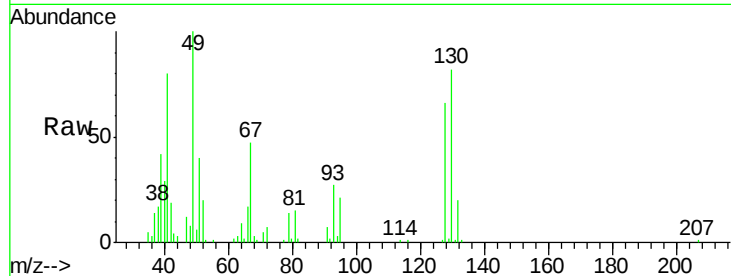
39 54.2 55.0 82.6#

67 72.1 70.3 105.5

52 30.1 30.7 46.1#

Manual Integrations
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MMDadoda
3/11/2020 3:20:44 PM



#42

1,2-Dichloroethane

Concen: 53.608 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065459.D

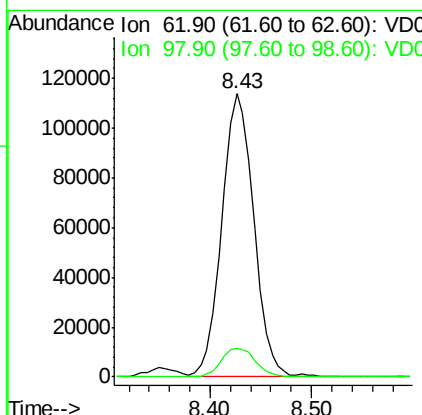
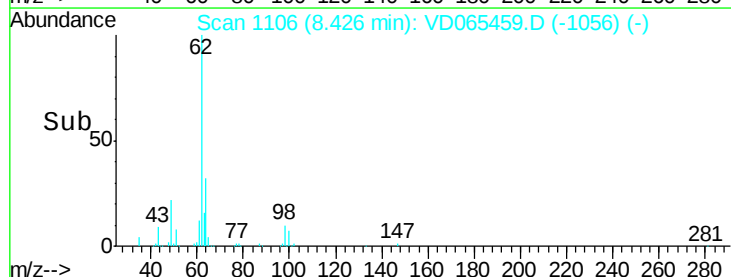
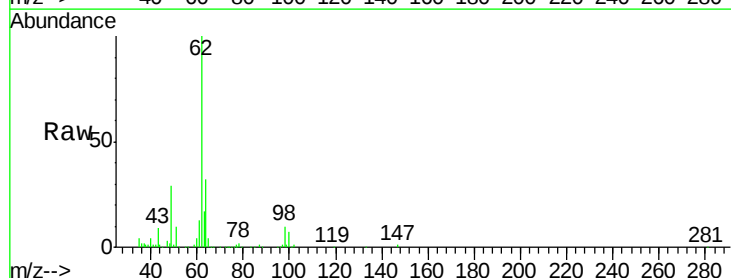
Acq: 10 Mar 2020 10:59

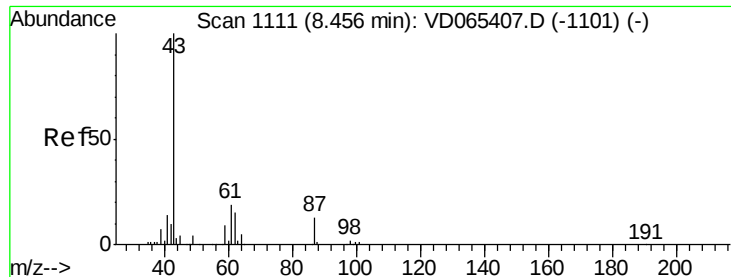
Tgt Ion: 62 Resp: 248231

Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.4





#43

Isopropyl Acetate

Concen: 52.412 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

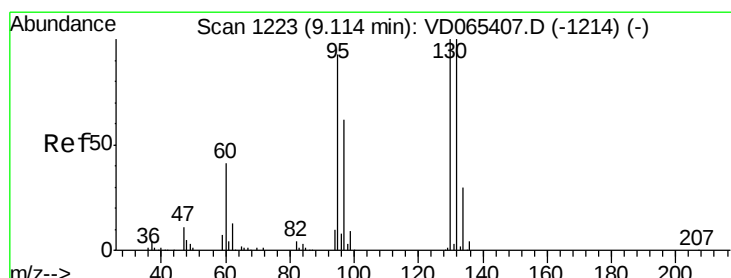
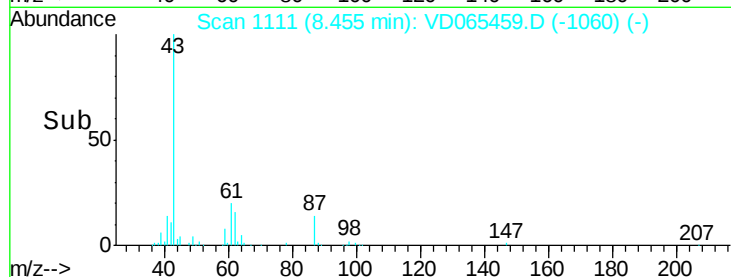
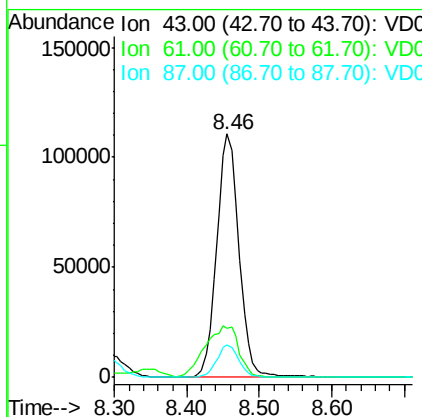
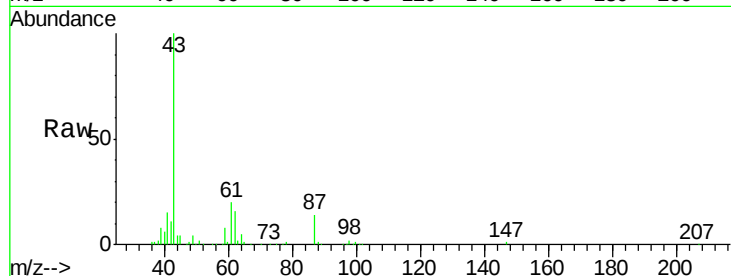
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	237236
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.0	37.6
87	13.2	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 53.477 ug/l

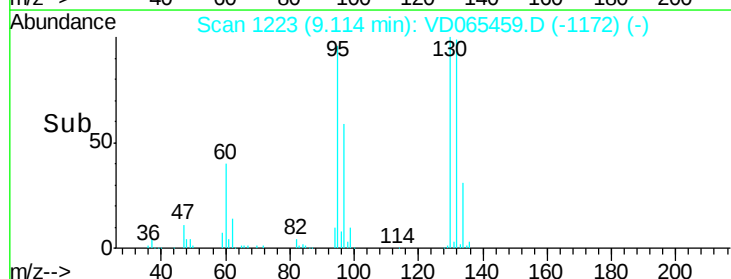
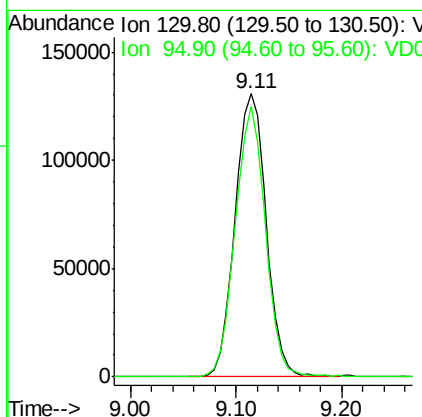
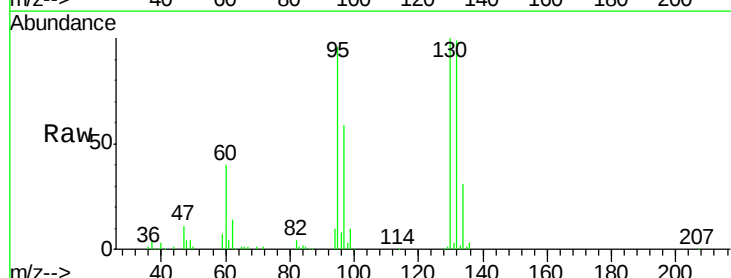
RT: 9.11 min Scan# 1223

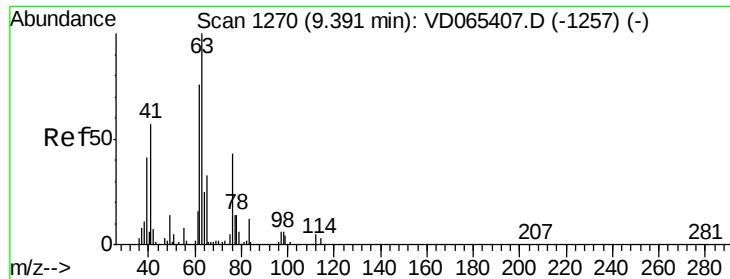
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	130	Resp:	267804
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	186.0





#45

1,2-Dichloropropane

Concen: 53.986 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 231892

Ion Ratio Lower Upper

63 100

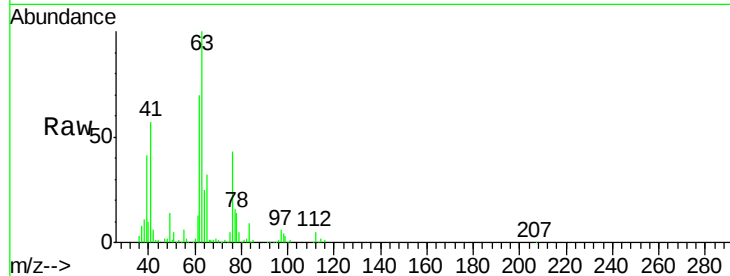
65 32.2 26.4 39.6

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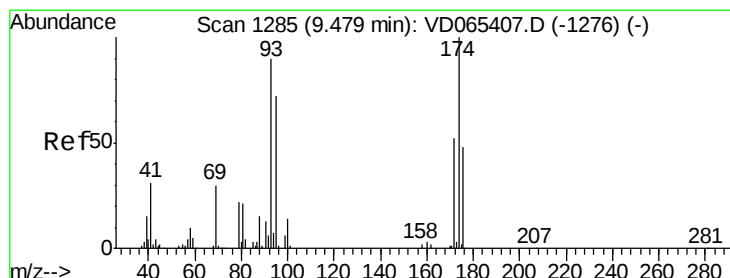
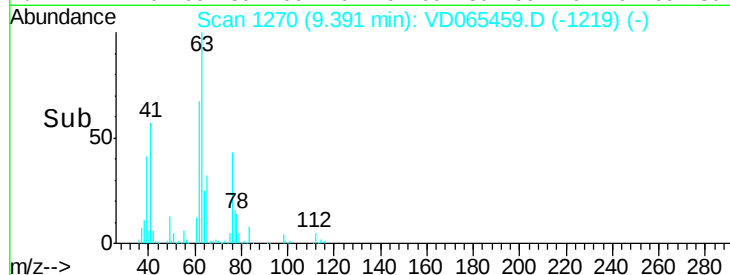
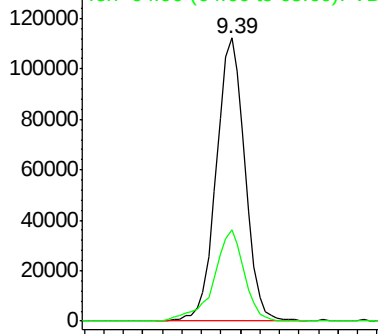
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.346 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

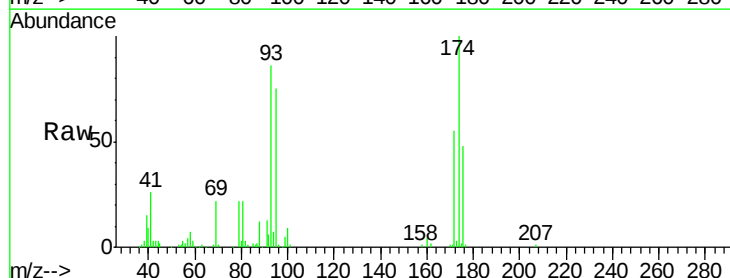
Tgt Ion: 93 Resp: 118858

Ion Ratio Lower Upper

93 100

95 84.3 65.0 97.6

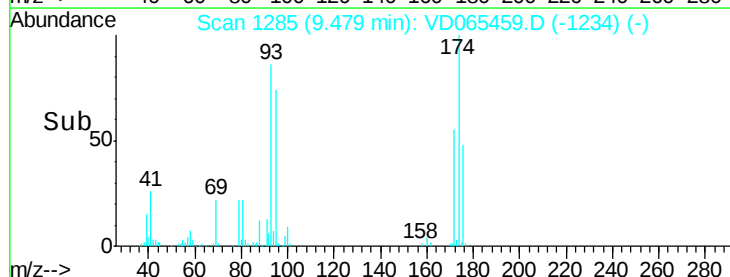
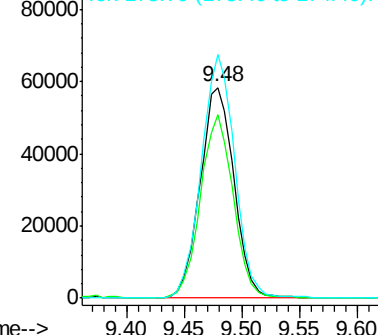
174 114.0 88.3 132.5

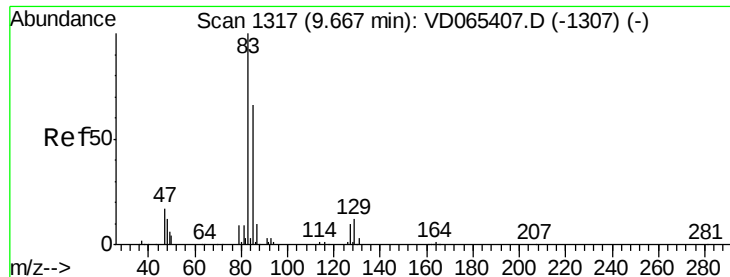


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 54.585 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

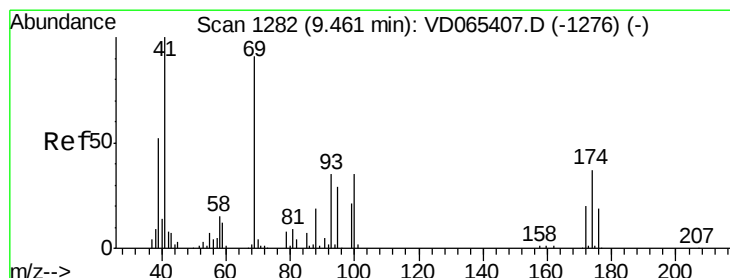
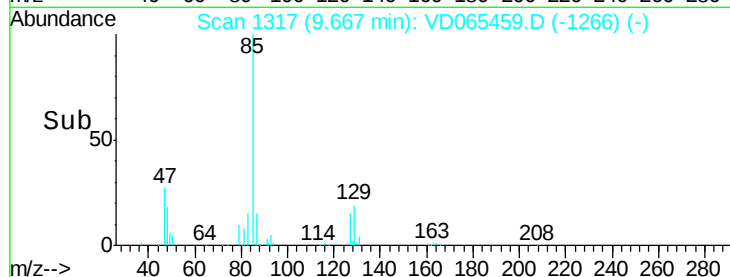
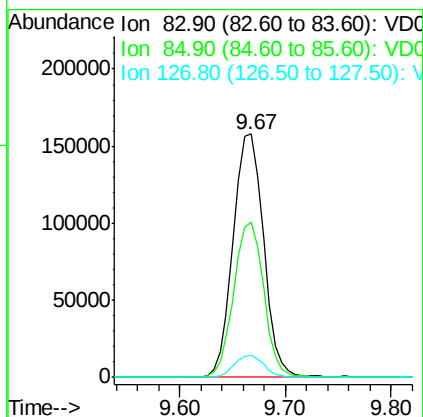
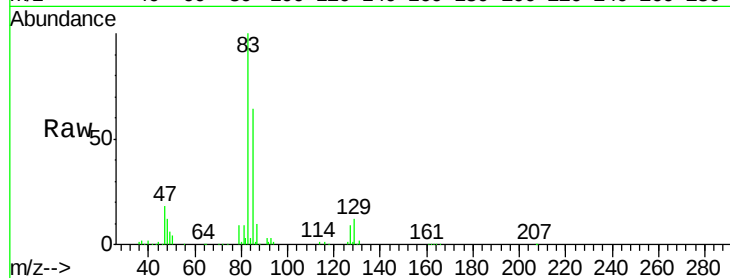
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	316402
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	9.3	8.0	12.0

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#48

Methyl methacrylate

Concen: 56.869 ug/l

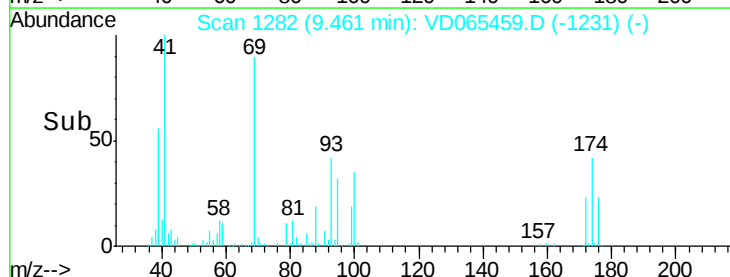
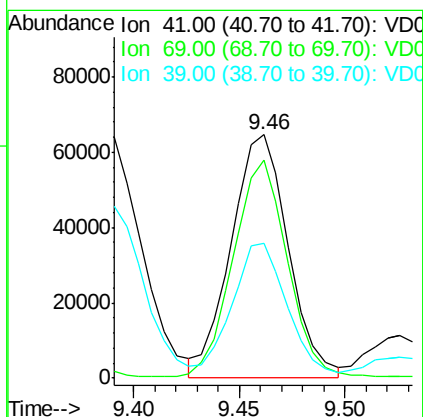
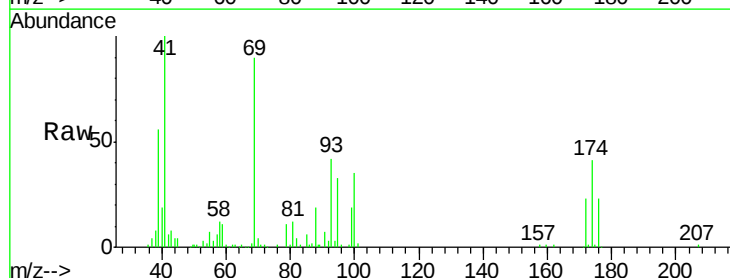
RT: 9.46 min Scan# 1282

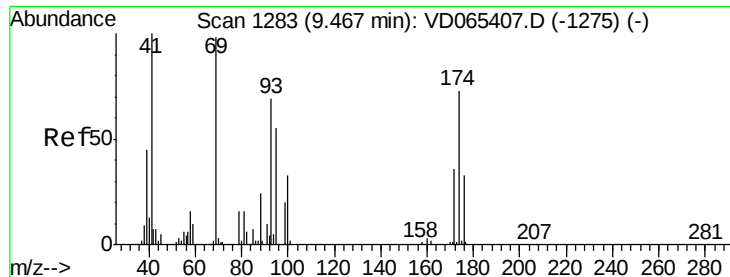
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	41	Resp:	121083
Ion	Ratio	Lower	Upper
41	100		
69	84.9	72.5	108.7
39	49.7	41.6	62.4





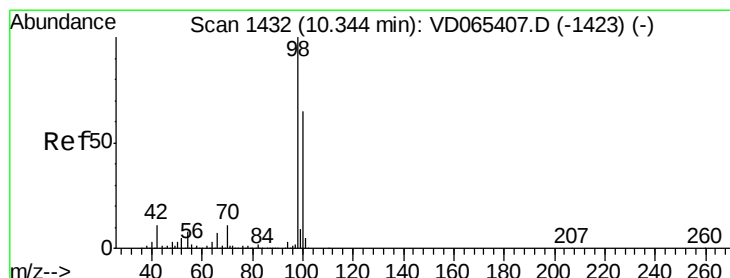
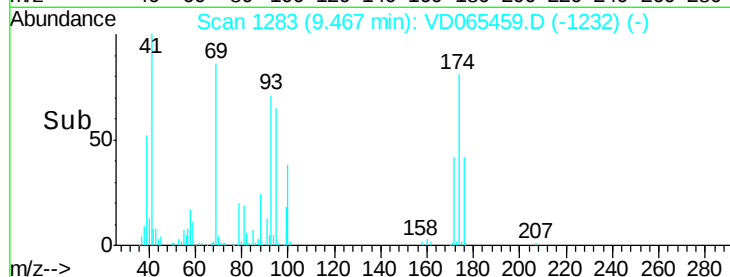
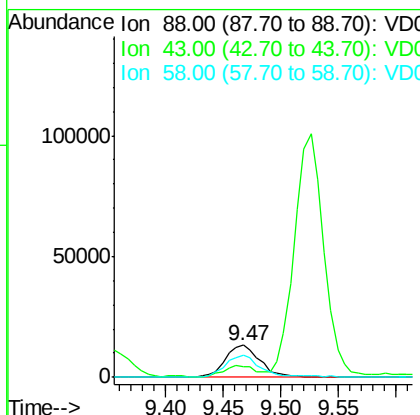
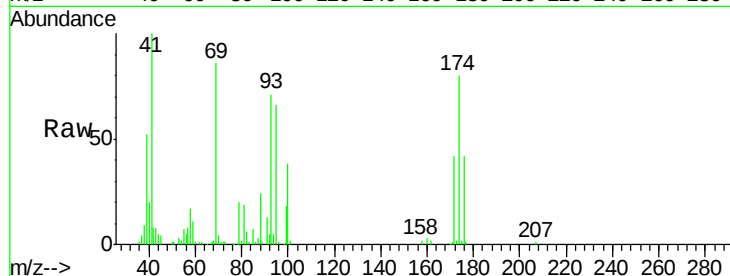
#49
1,4-Dioxane
Concen: 1102.531 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.5	36.7
58	66.1	54.5	81.7

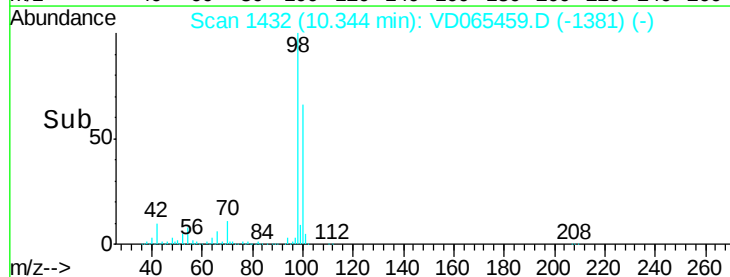
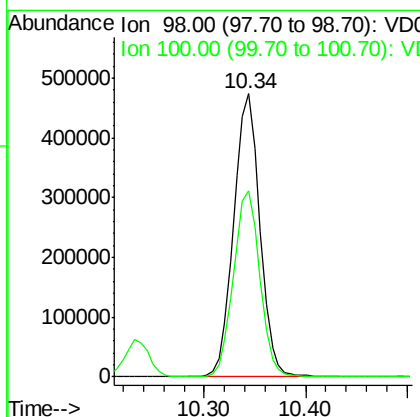
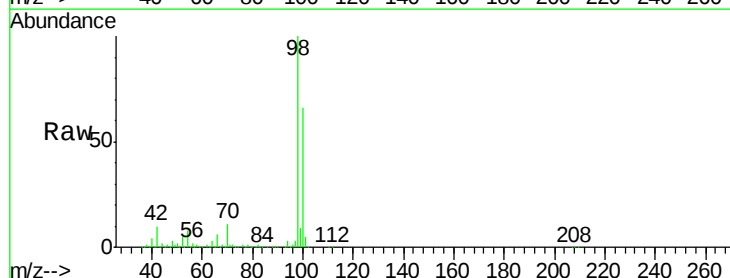
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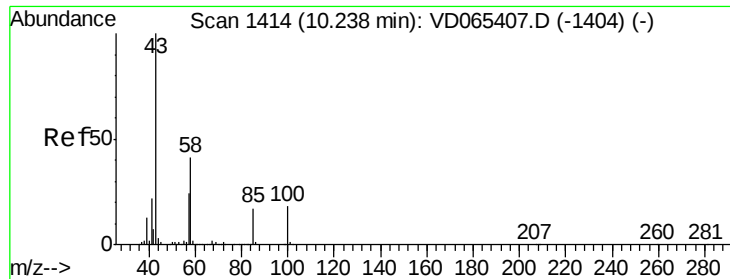
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#50
Toluene-d8
Concen: 54.264 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





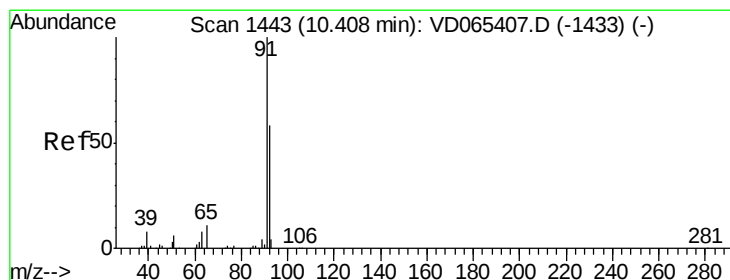
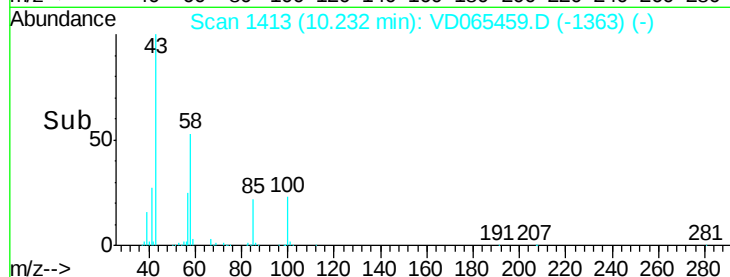
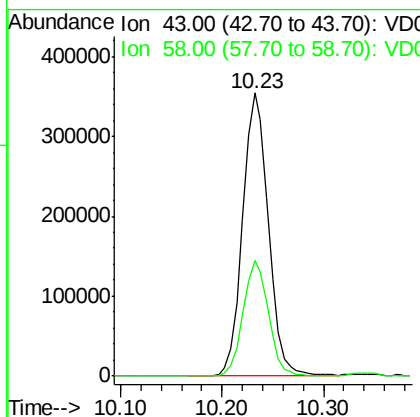
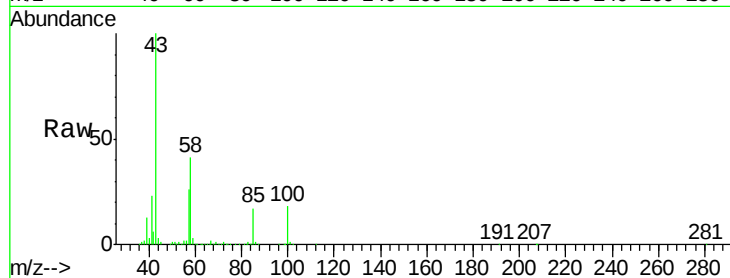
#51
4-Methyl-2-Pentanone
Concen: 274.051 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 624220
Ion Ratio Lower Upper
43 100
58 40.5 31.8 47.6

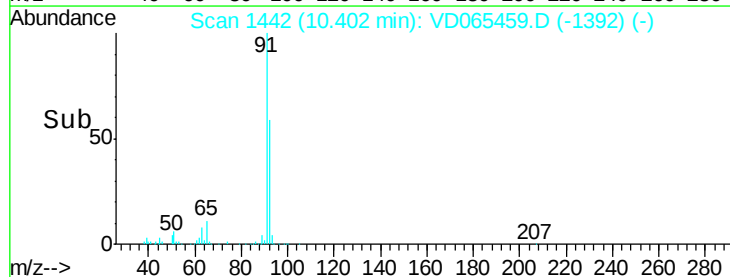
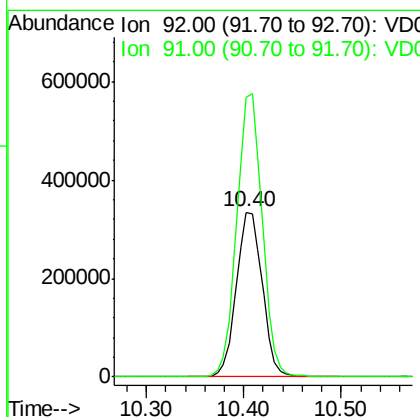
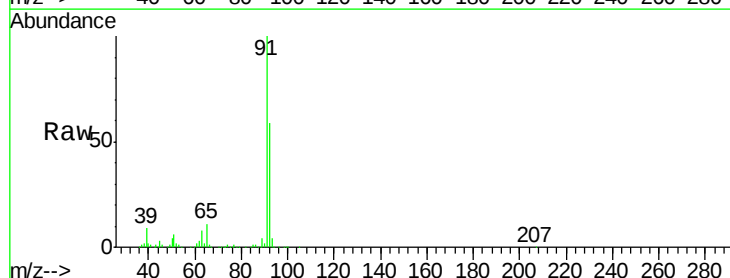
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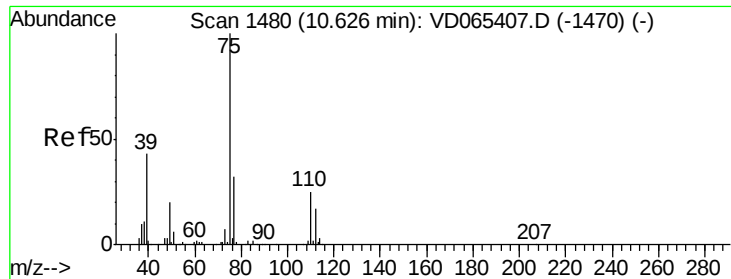
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#52
Toluene
Concen: 55.347 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion: 92 Resp: 618280
Ion Ratio Lower Upper
92 100
91 170.3 137.8 206.8





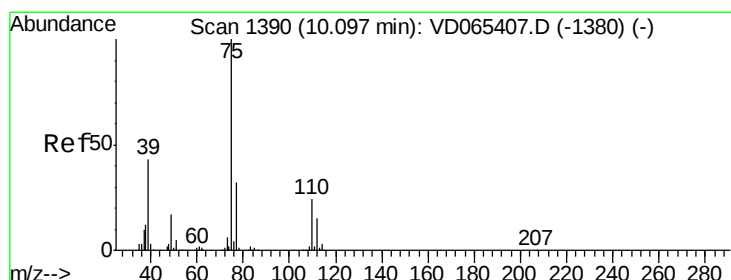
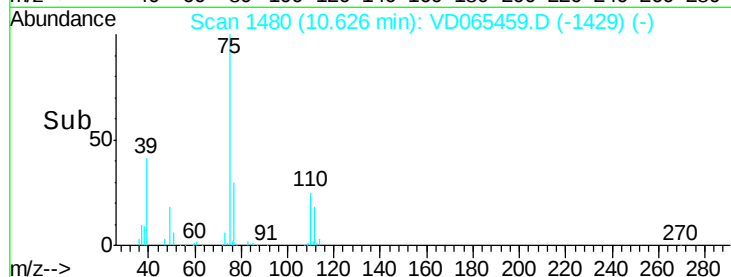
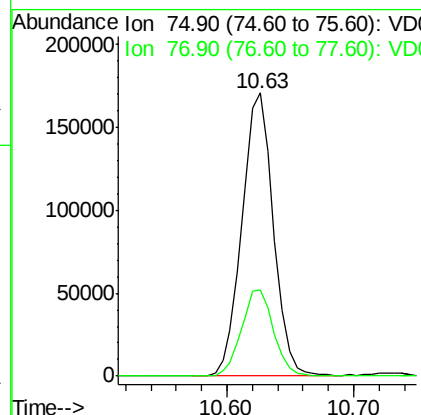
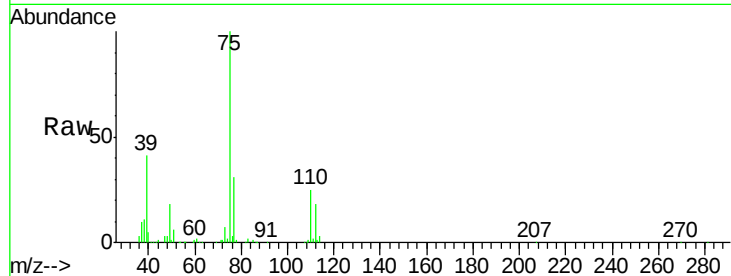
#53
t-1,3-Dichloropropene
Concen: 54.122 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.2

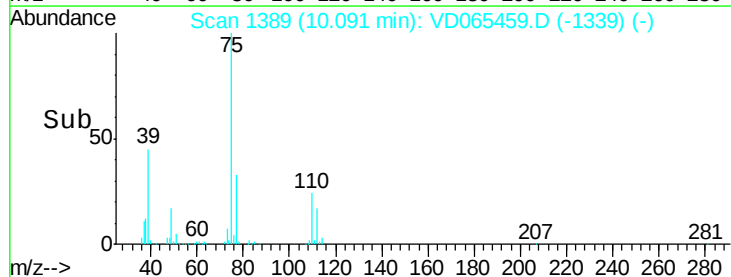
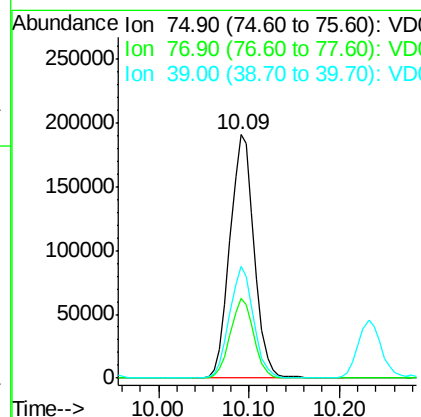
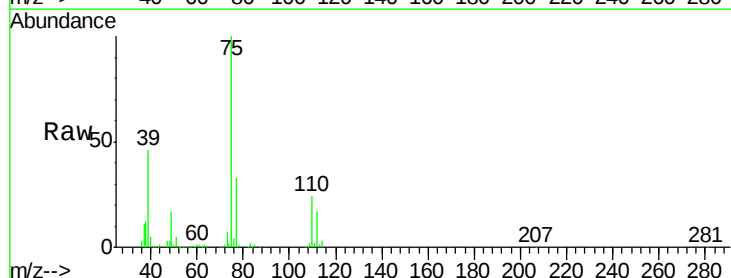
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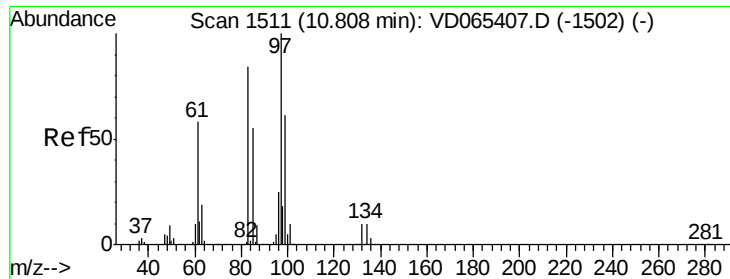
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#54
cis-1,3-Dichloropropene
Concen: 54.218 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	45.7	34.6	52.0





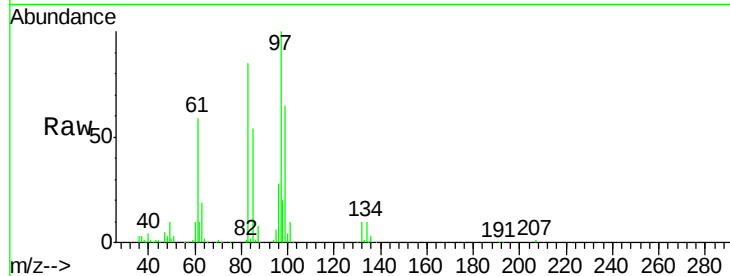
#55
 1,1,2-Trichloroethane
 Concen: 52.953 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	167105		
83	84.8	67.4	101.0	
85	53.7	43.8	65.8	
99	64.8	48.8	73.2	

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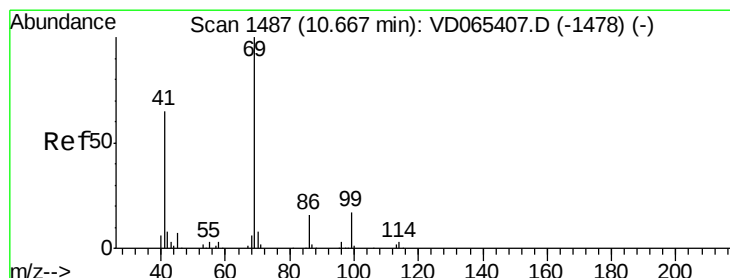
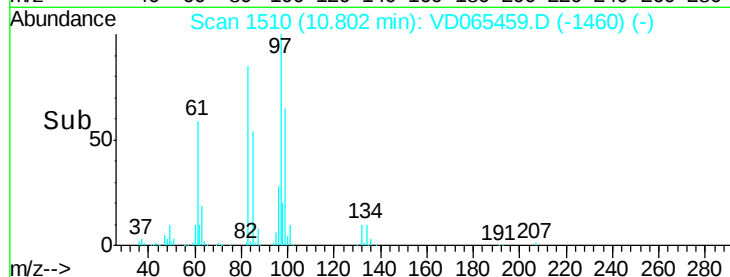
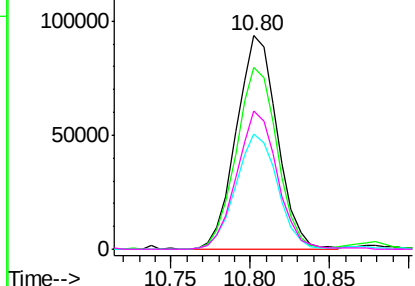


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

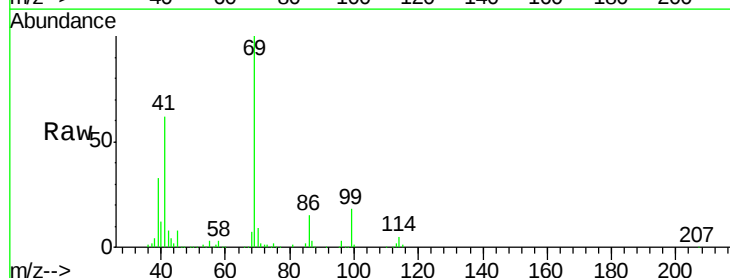
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.469 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

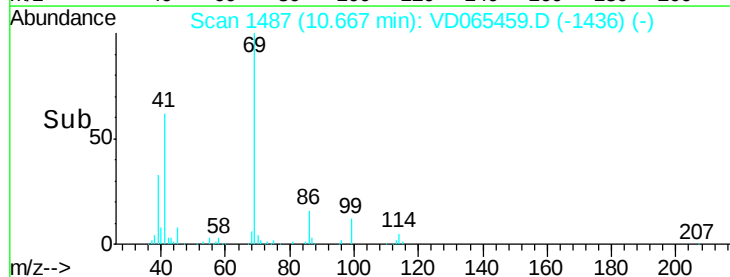
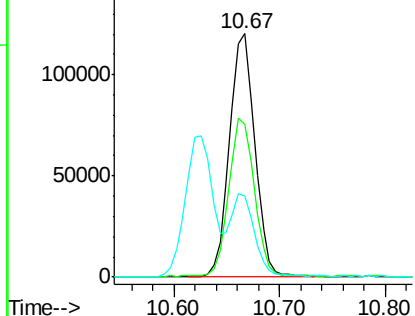
Tgt Ion	Ratio	Resp	Lower	Upper
69	100	200891		
41	65.0	53.0	79.6	
39	29.3	26.0	39.0	

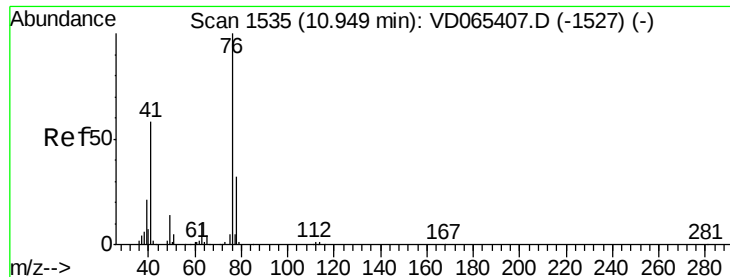


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





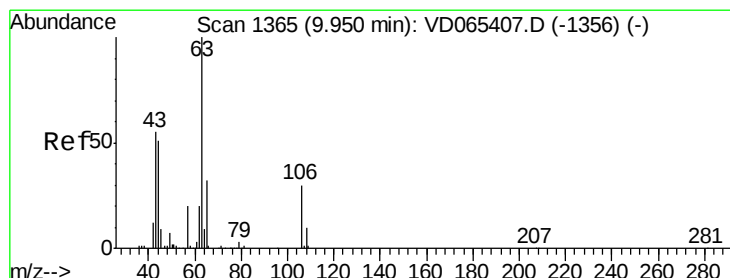
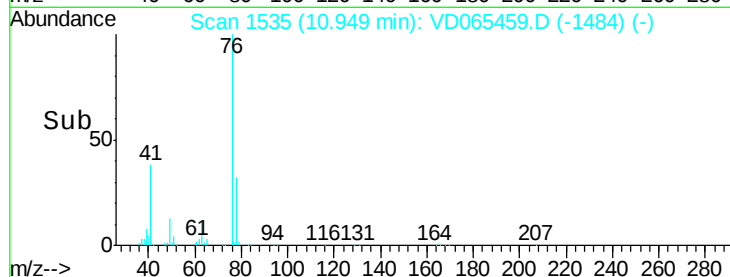
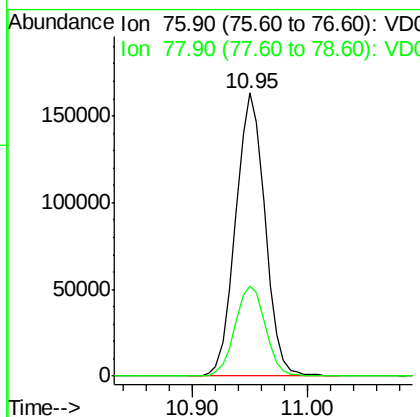
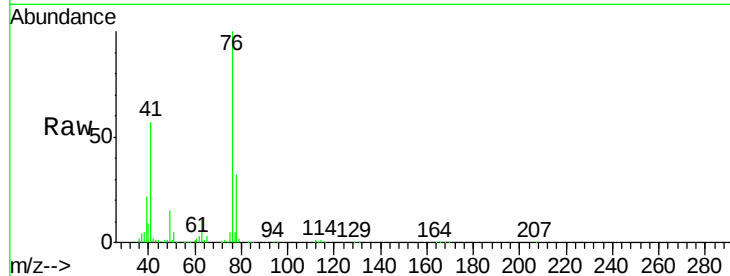
#57
 1,3-Dichloropropane
 Concen: 53.883 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

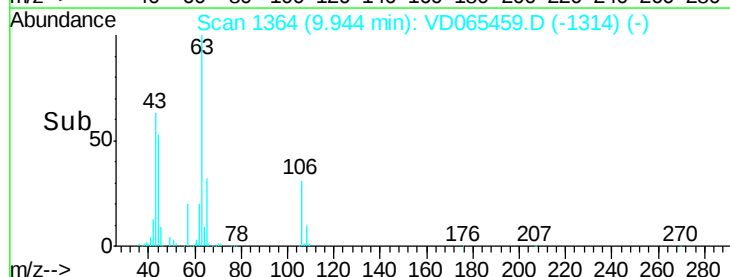
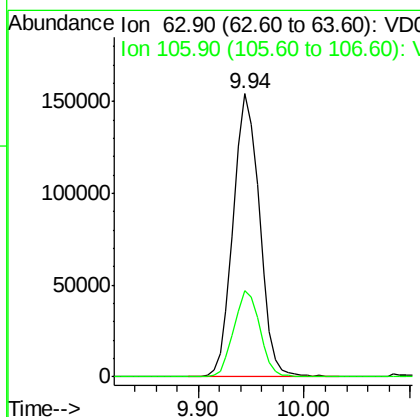
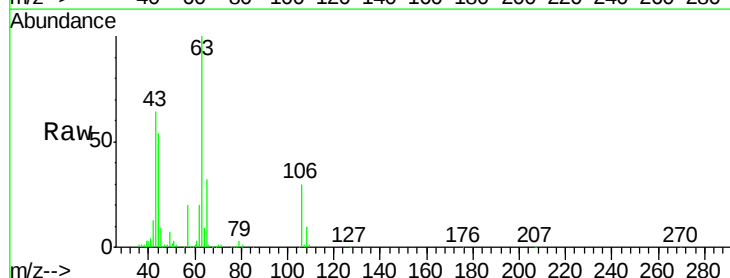
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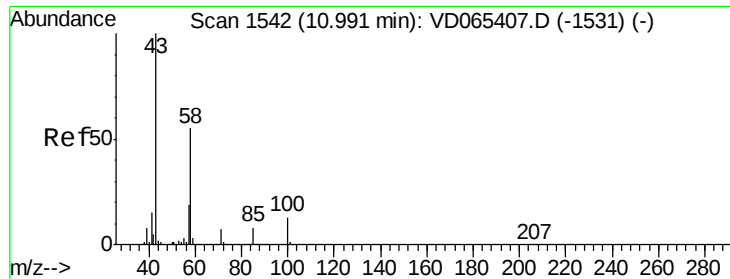
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.710 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.3	34.9





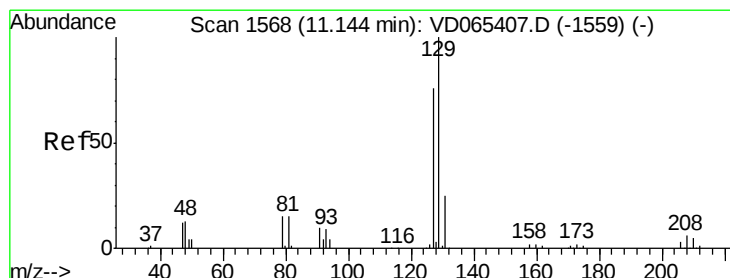
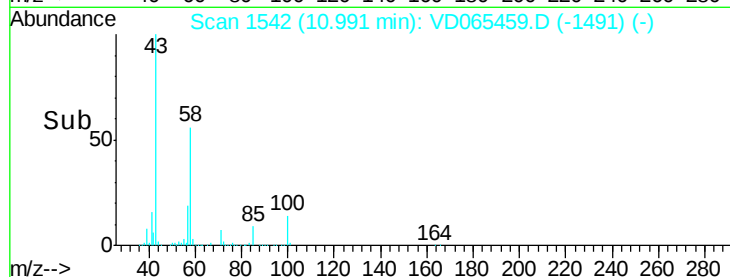
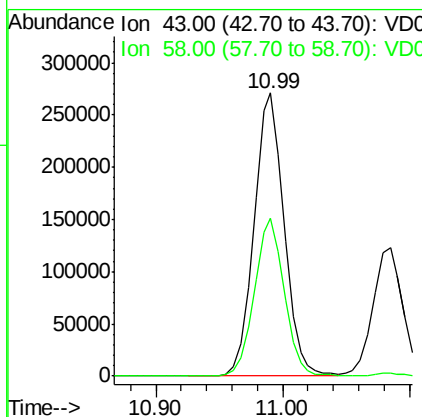
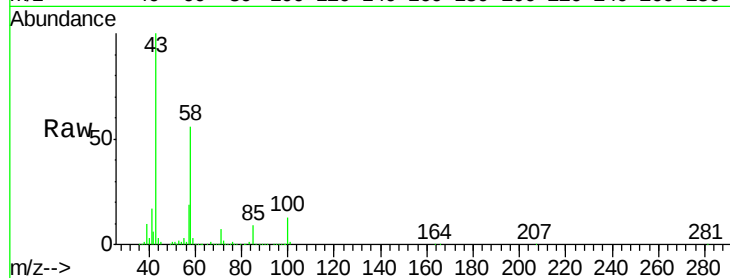
#59
2-Hexanone
Concen: 284.275 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 448230
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.2

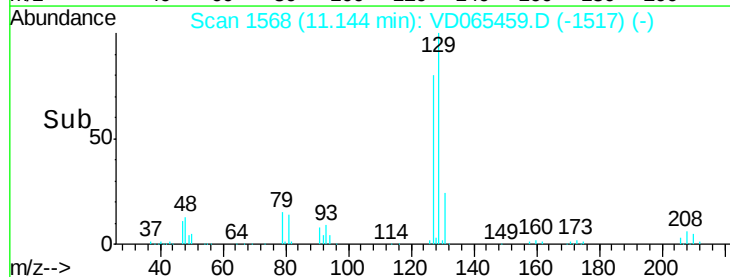
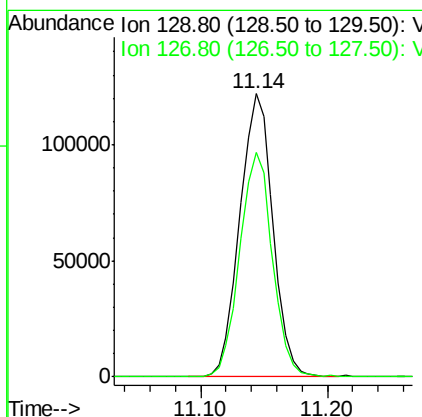
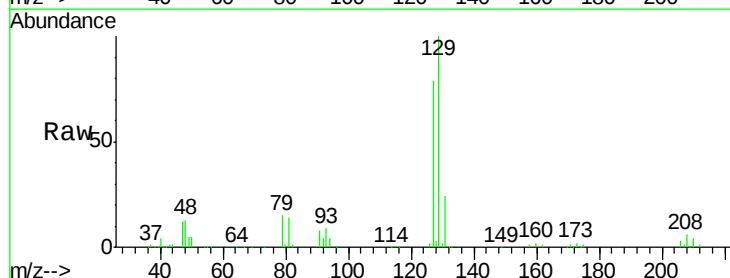
Manual Integrations
APPROVED

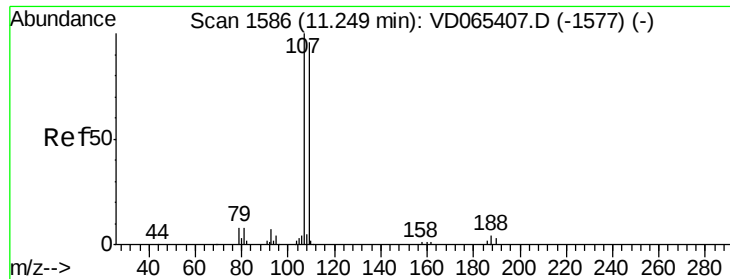
MMDadoda
3/11/2020 3:20:44 PM



#60
Dibromochloromethane
Concen: 54.611 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion: 129 Resp: 220908
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





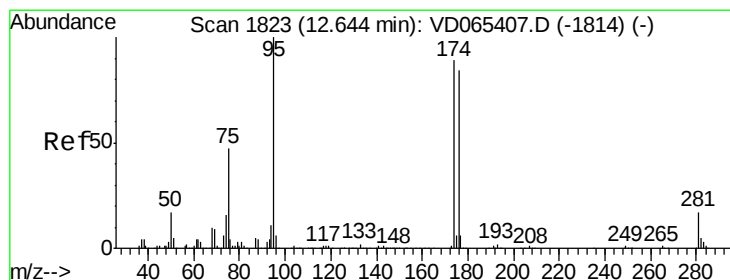
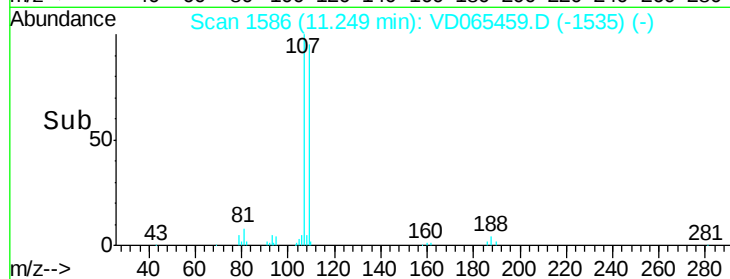
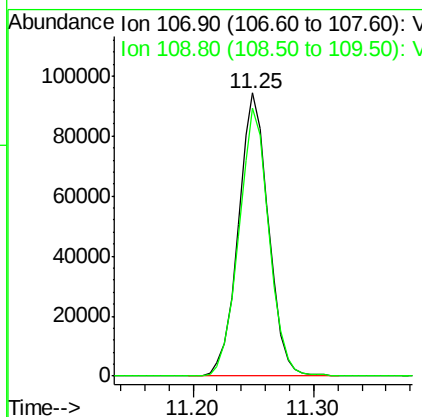
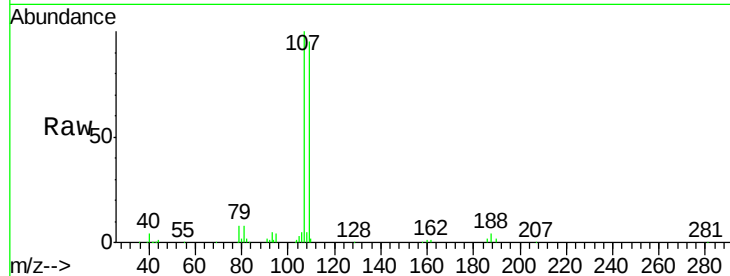
#61
 1,2-Dibromoethane
 Concen: 54.376 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.8	115.2

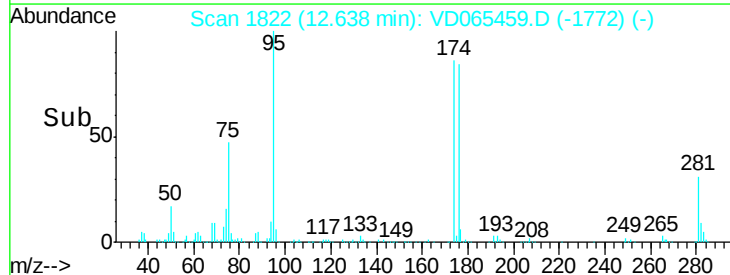
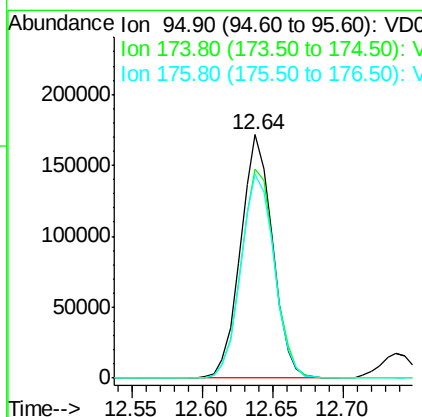
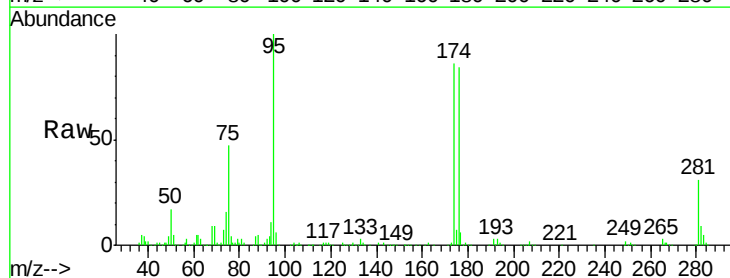
Manual Integrations
 APPROVED

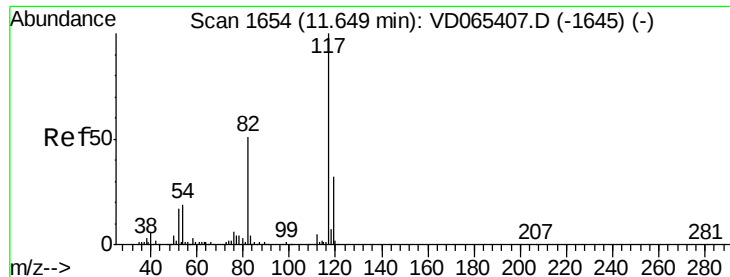
MMDadoda
 3/11/2020 3:20:44 PM



#62
 4-Bromofluorobenzene
 Concen: 56.231 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	176.8
176	87.3	0.0	171.4





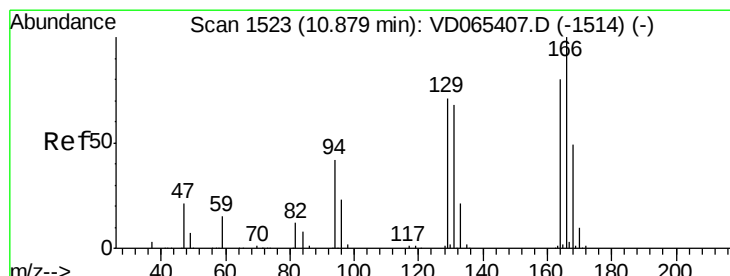
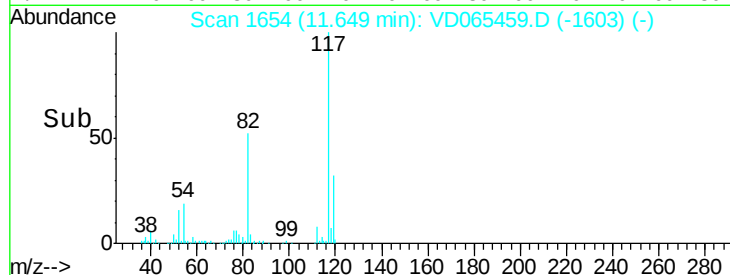
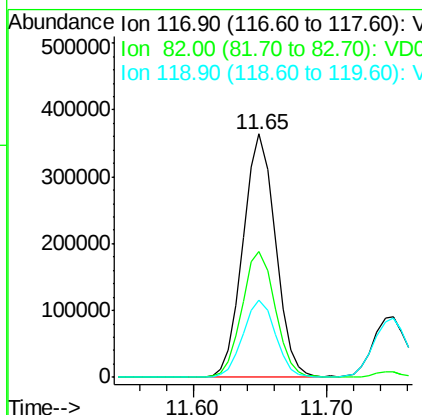
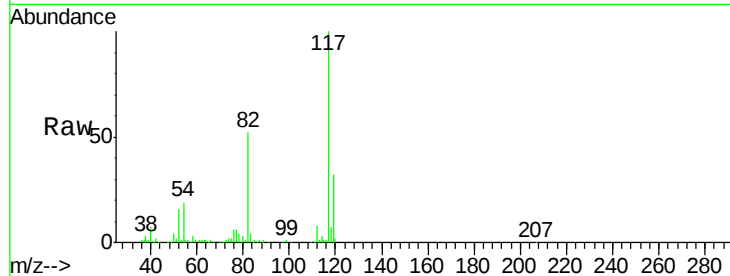
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	614208		
82	51.7		40.6	60.8
119	32.0		25.4	38.2

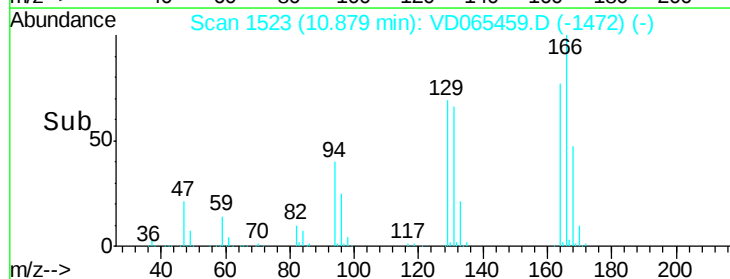
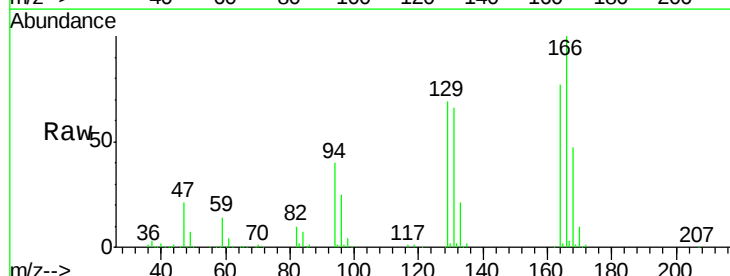
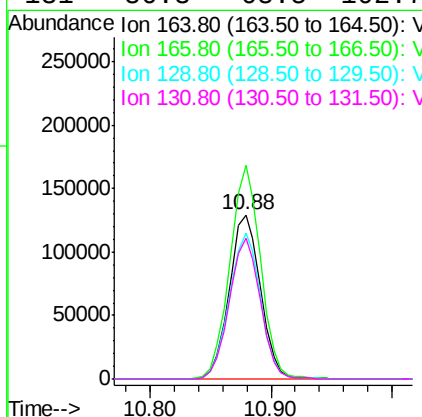
Manual Integrations
APPROVED

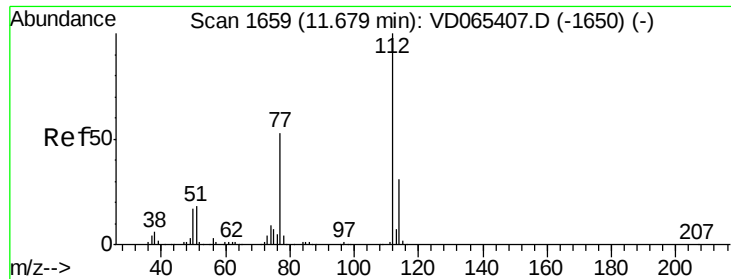
MMDadoda
3/11/2020 3:20:44 PM



#64
Tetrachloroethene
Concen: 52.770 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	232249		
166	130.4		100.5	150.7
129	89.3		71.5	107.3
131	86.3		68.5	102.7





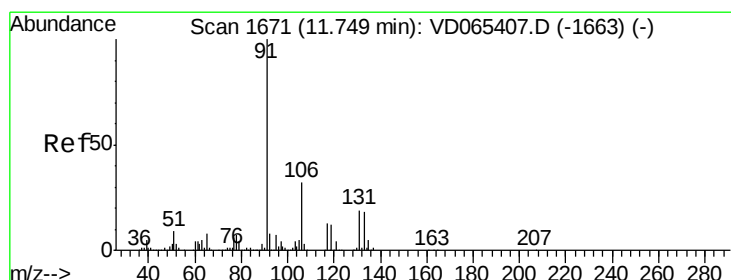
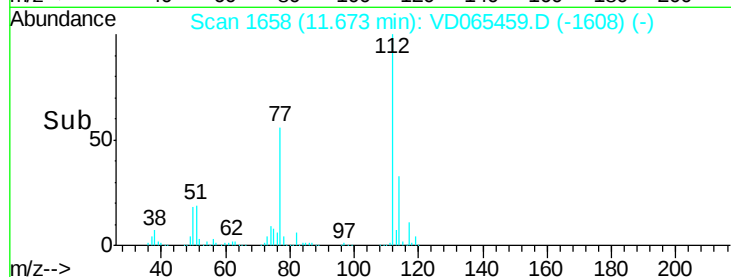
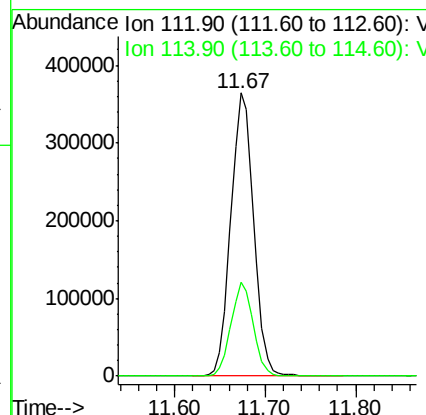
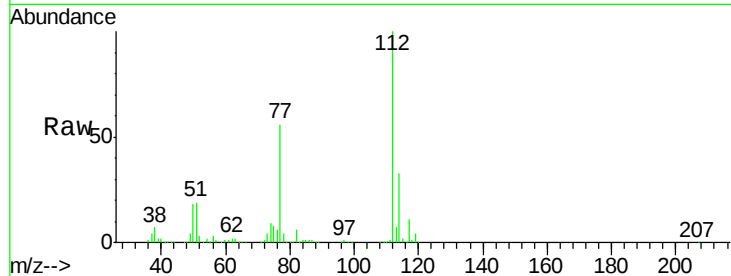
#65
Chlorobenzene
Concen: 52.507 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	24.4	36.6

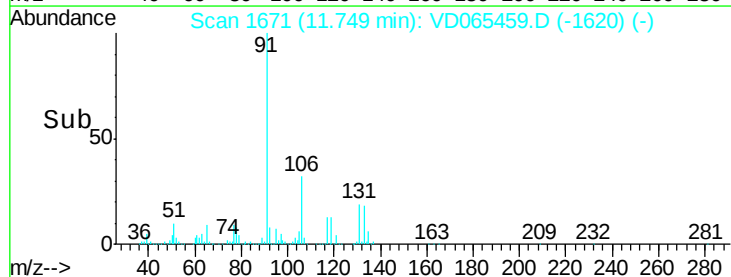
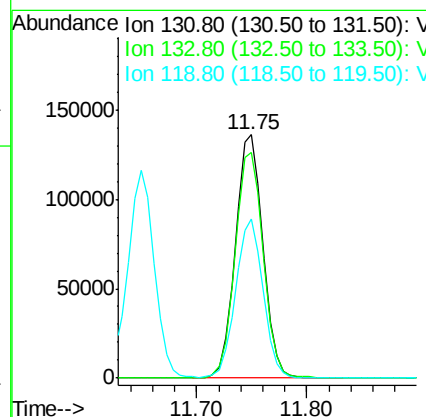
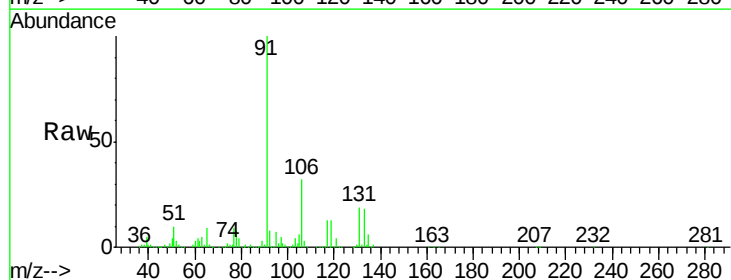
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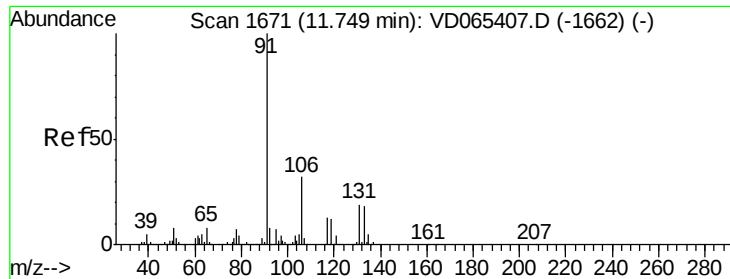
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.746 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	49.2	147.6
119	65.5	33.3	99.8





#67

Ethyl Benzene

Concen: 54.594 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1146562

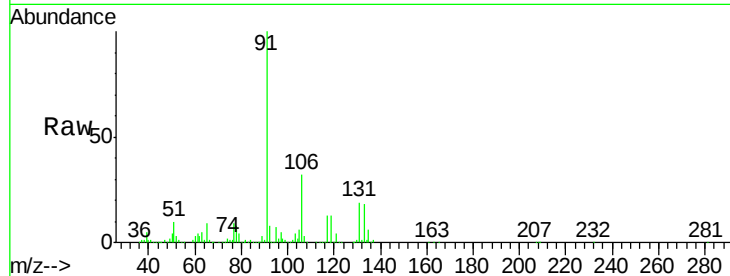
Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8

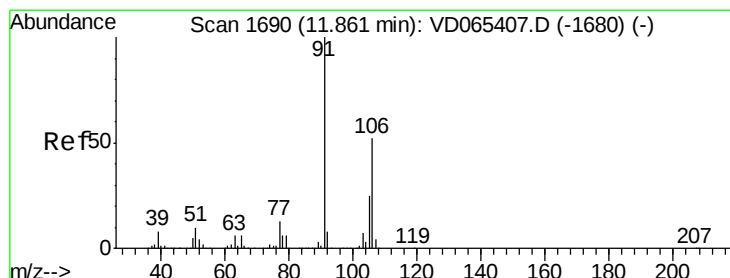
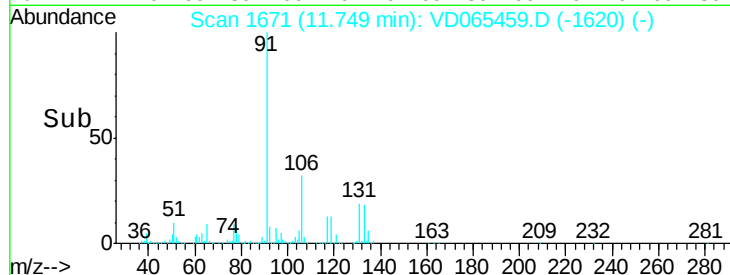
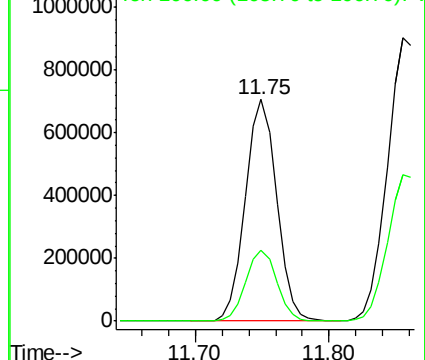
Manual Integrations
APPROVED

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3/11/2020 3:20:44 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.663 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065459.D

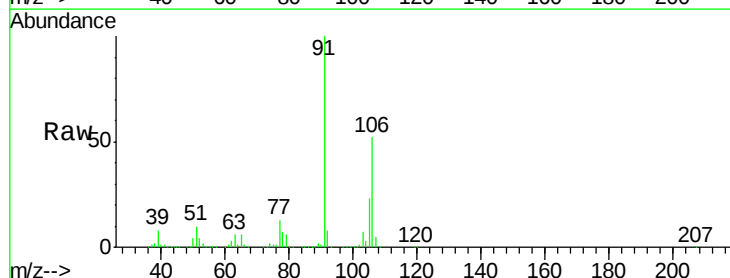
Acq: 10 Mar 2020 10:59

Tgt Ion: 106 Resp: 896147

Ion Ratio Lower Upper

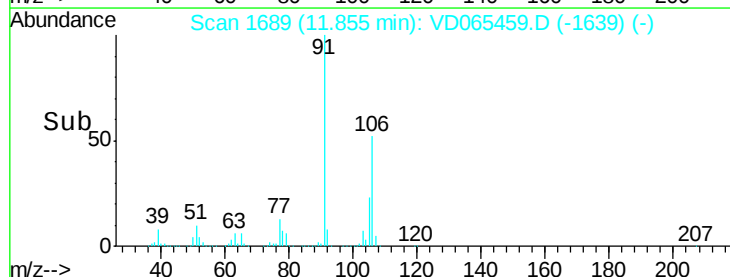
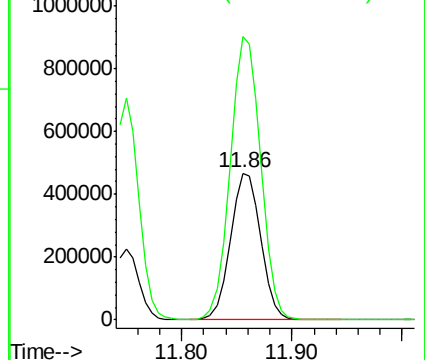
106 100

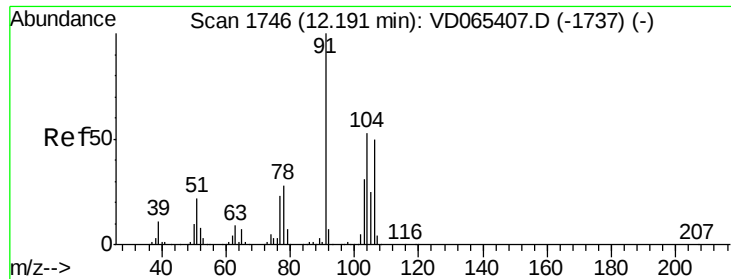
91 194.7 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





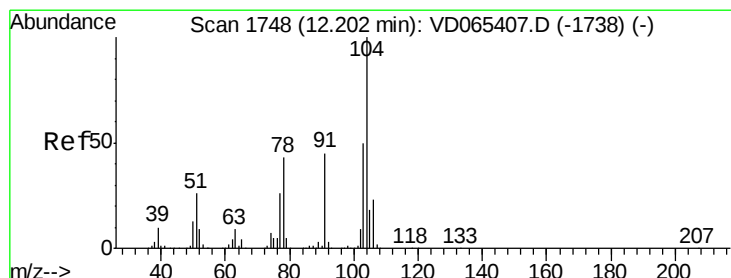
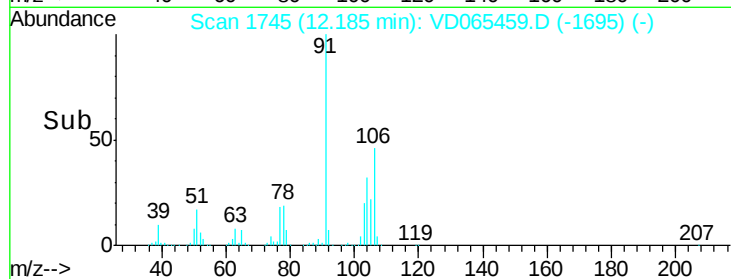
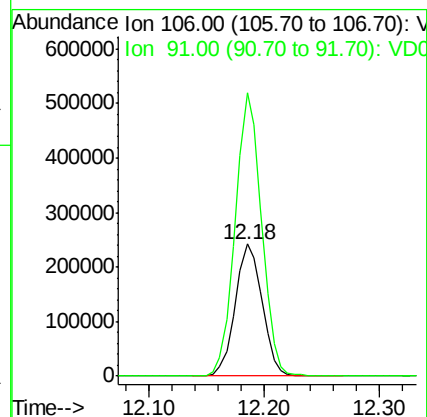
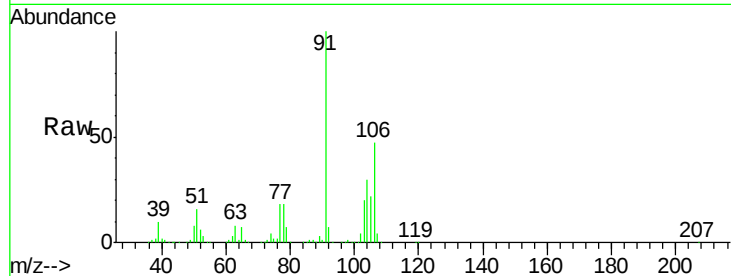
#69
o-Xylene
Concen: 54.960 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	391491		
91	209.6	103.5	310.3	

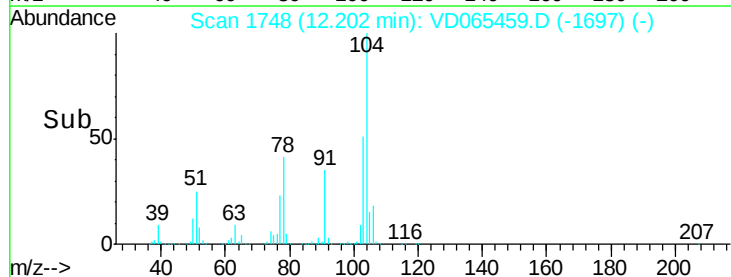
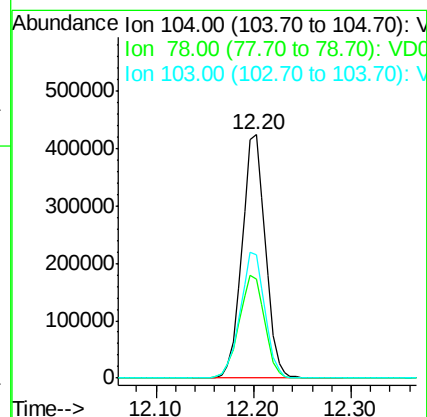
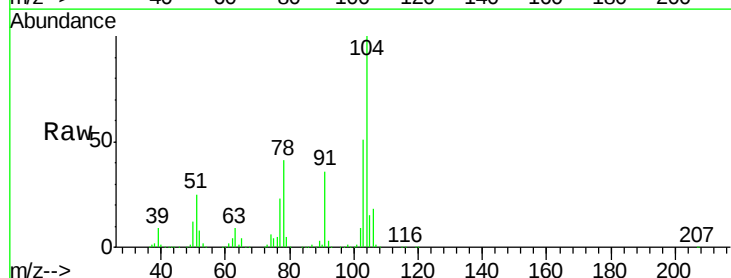
Manual Integrations
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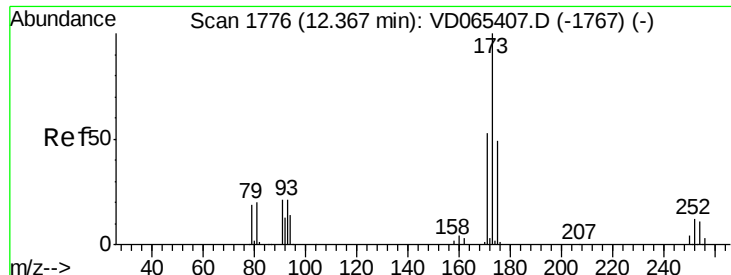
MMDadoda
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#70
Styrene
Concen: 56.144 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	703848		
78	46.2	37.7	56.5	
103	54.4	43.6	65.4	





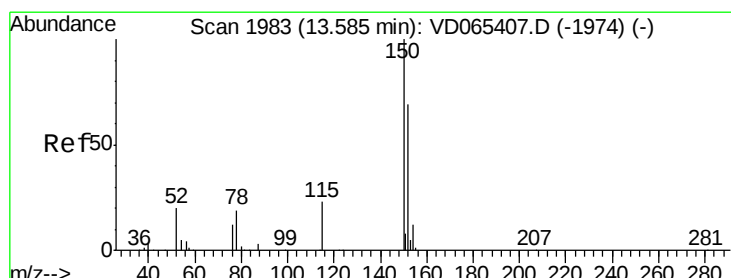
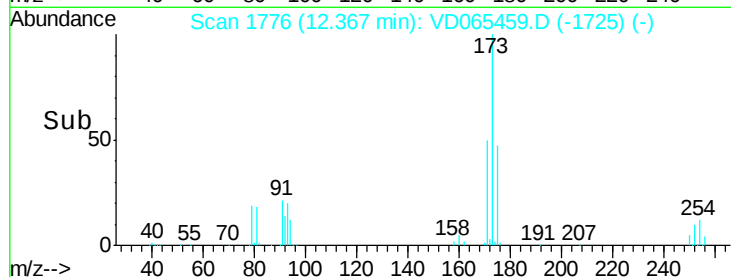
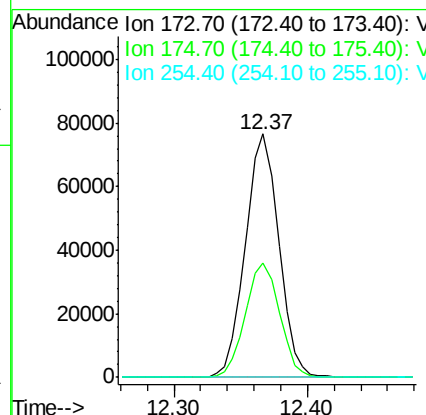
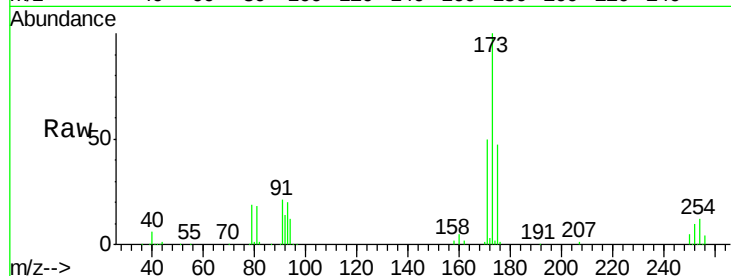
#71
Bromoform
Concen: 53.202 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1

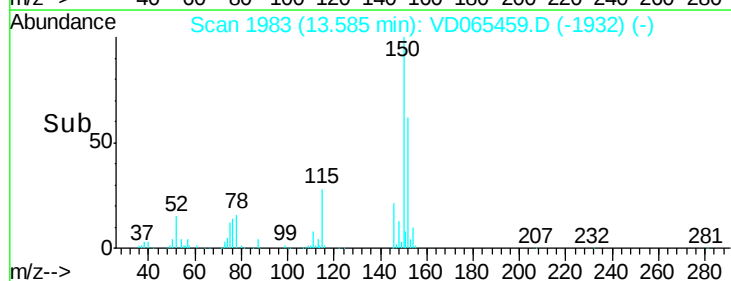
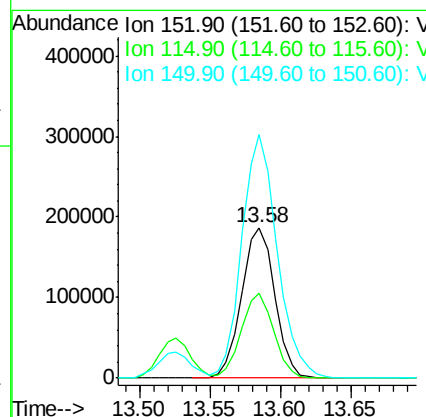
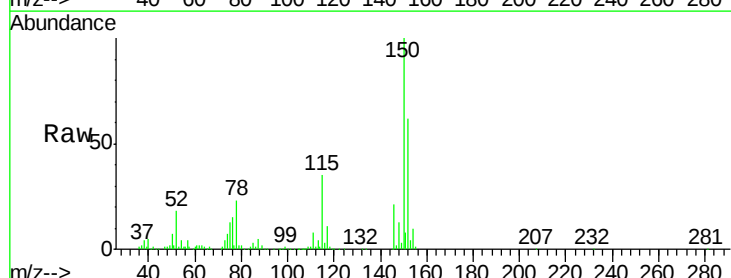
Manual Integrations
APPROVED

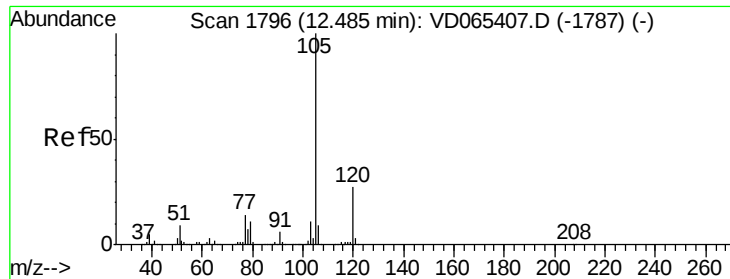
MMDadoda
3/11/2020 3:20:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.8
150	172.6	0.0	345.0





#73

Isopropylbenzene

Concen: 54.027 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1091440

Ion Ratio Lower Upper

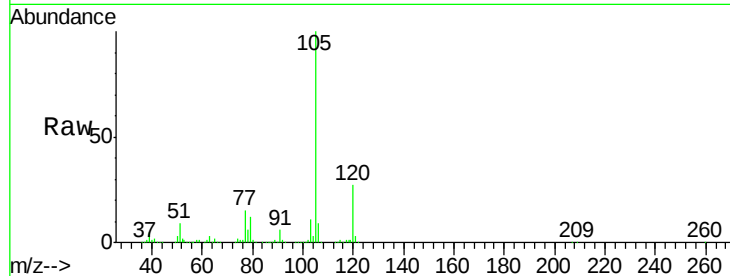
105 100

120 27.0 13.5 40.4

Manual Integrations
APPROVED

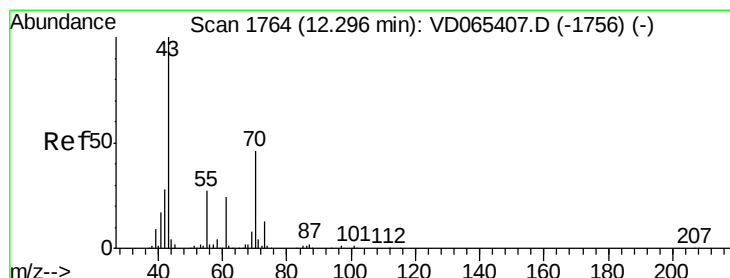
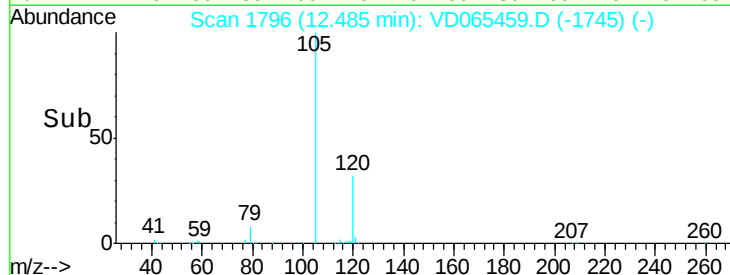
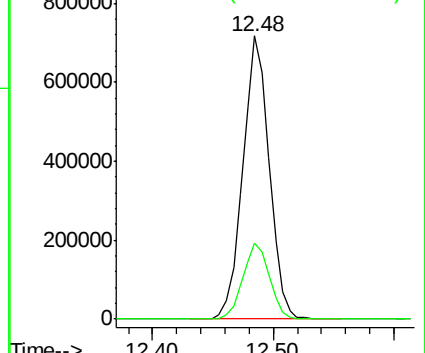
MMDadoda

3/11/2020 3:20:44 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.708 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion: 43 Resp: 213853

Ion Ratio Lower Upper

43 100

70 45.7 36.1 54.1

55 28.2 21.6 32.4

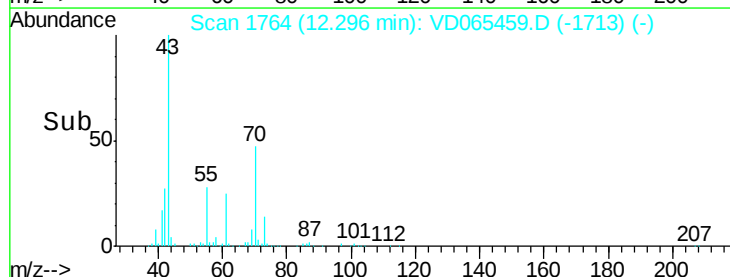
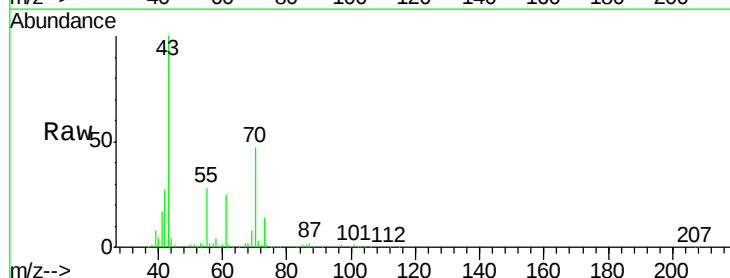
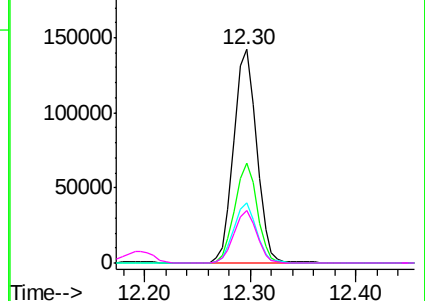
61 24.3 19.6 29.4

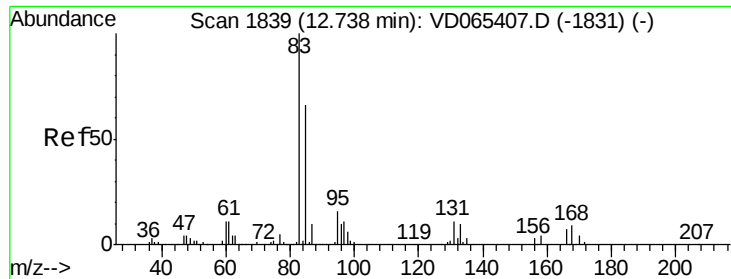
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.854 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

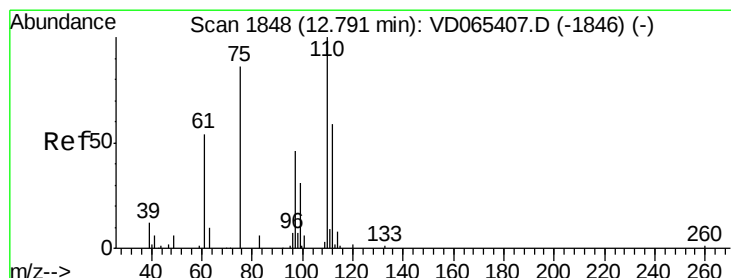
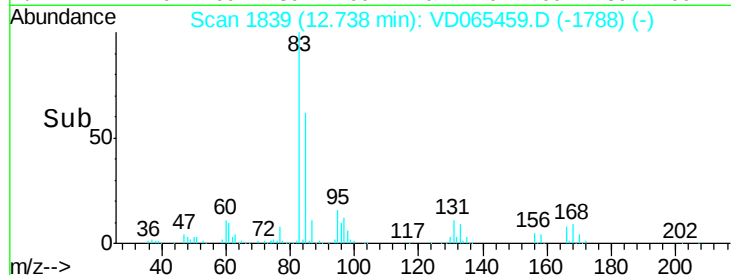
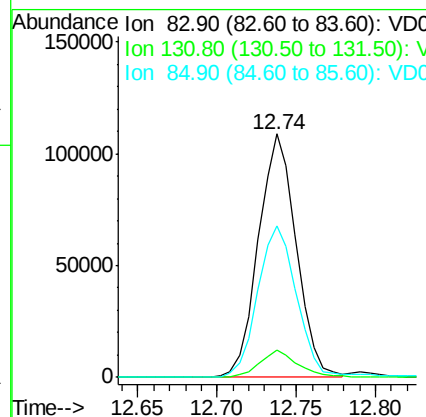
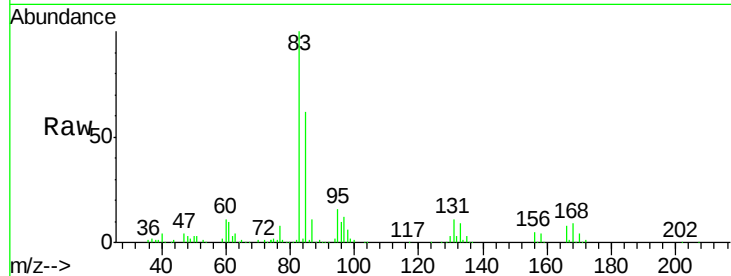
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180583
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.8	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.760 ug/l m

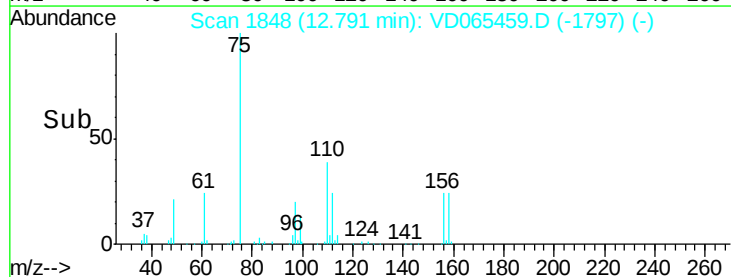
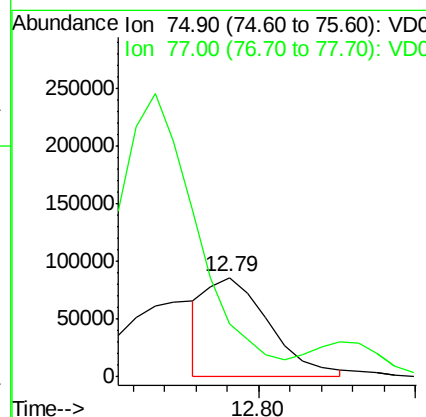
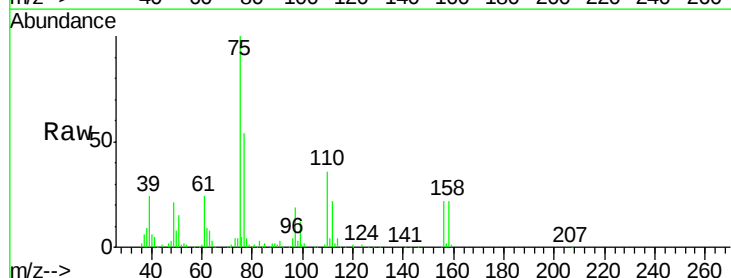
RT: 12.79 min Scan# 1848

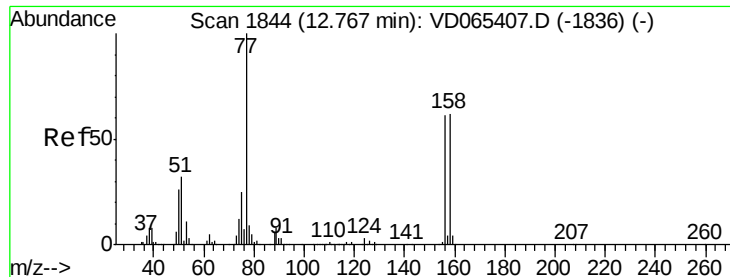
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	75	Resp:	120596
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.156 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

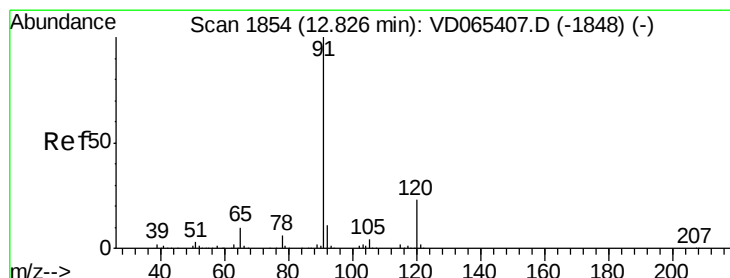
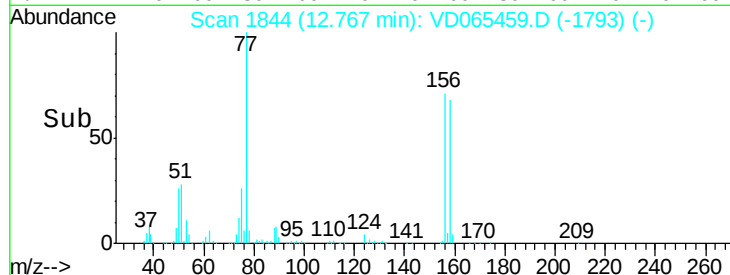
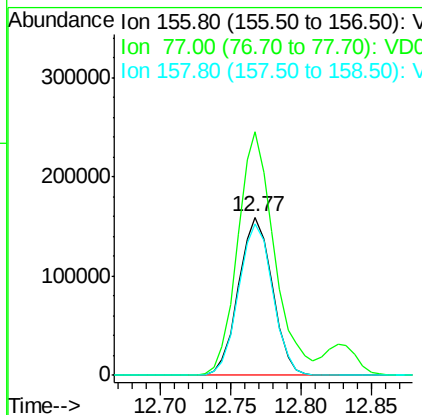
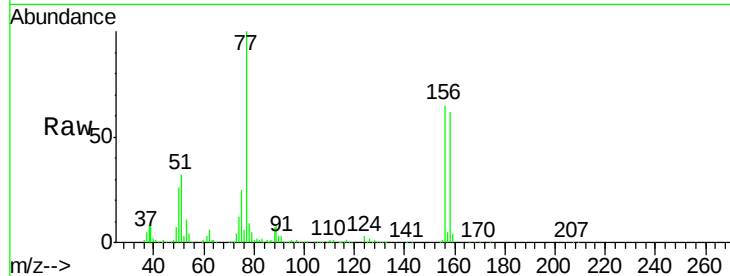
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	266797
Ion Ratio	Lower	Upper	
156	100		
77	167.2	84.9	254.6
158	96.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 54.823 ug/l

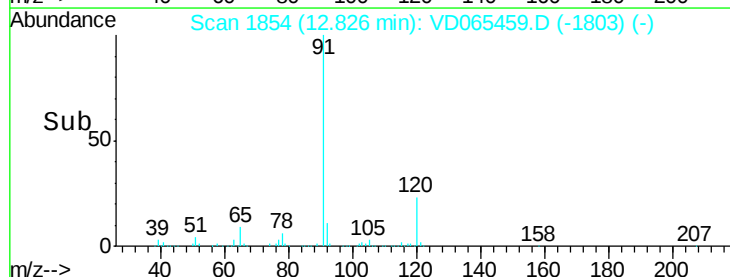
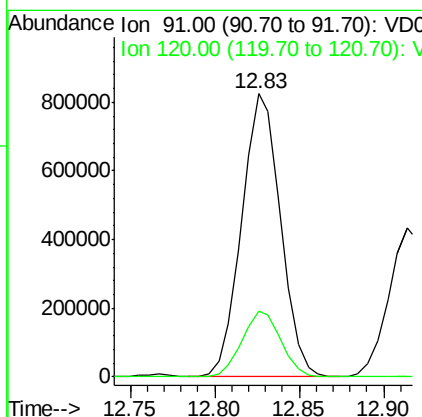
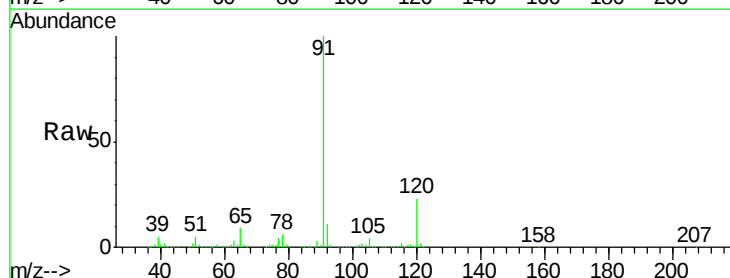
RT: 12.83 min Scan# 1854

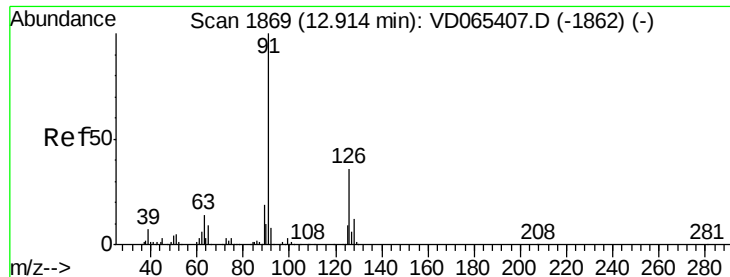
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	91	Resp:	1314078
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





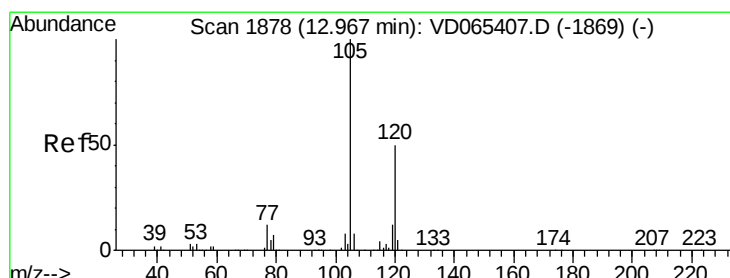
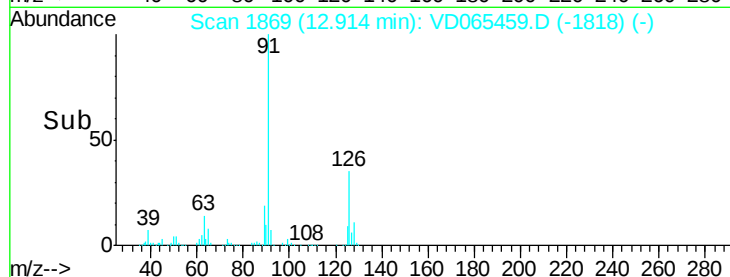
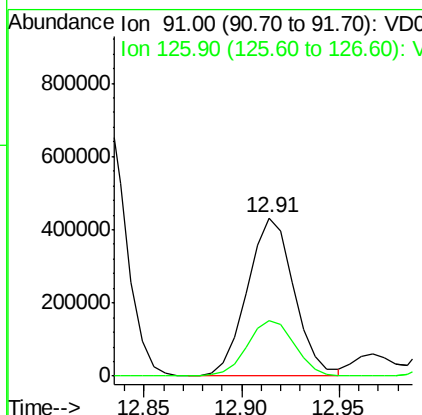
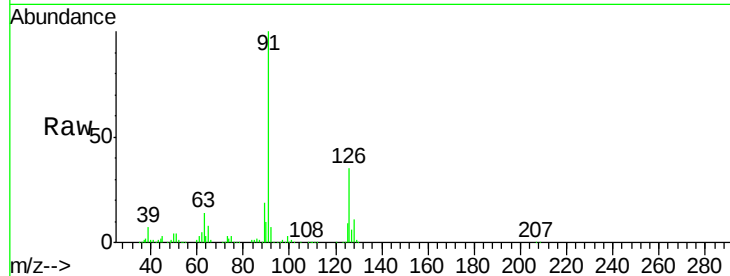
#79
2-Chlorotoluene
Concen: 52.971 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 715565
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8

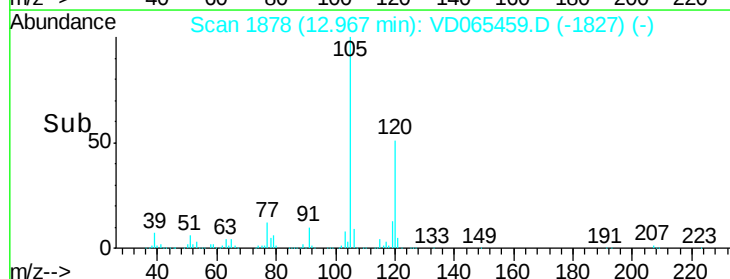
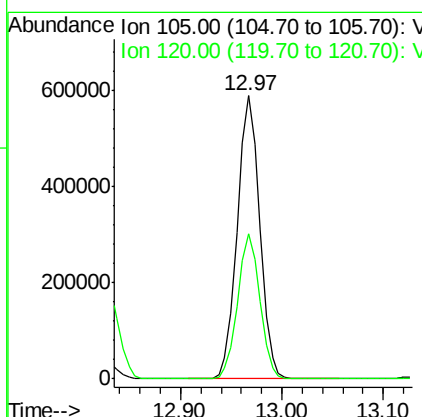
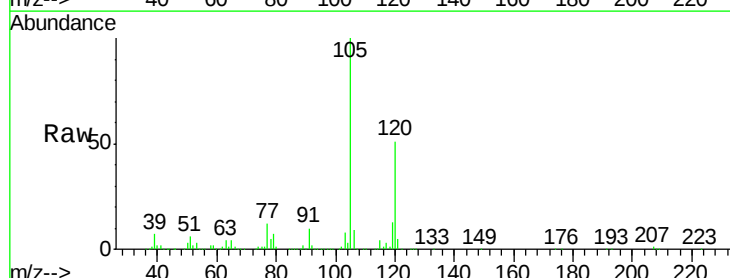
Manual Integrations
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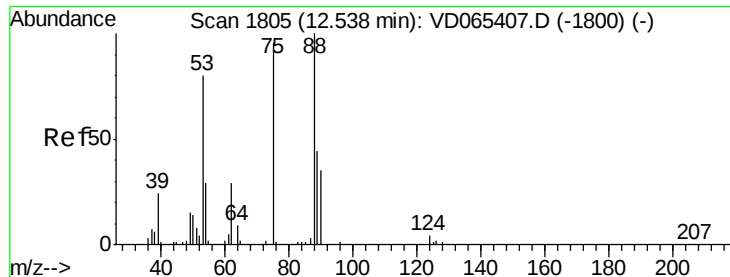
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.475 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion: 105 Resp: 904726
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.312 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

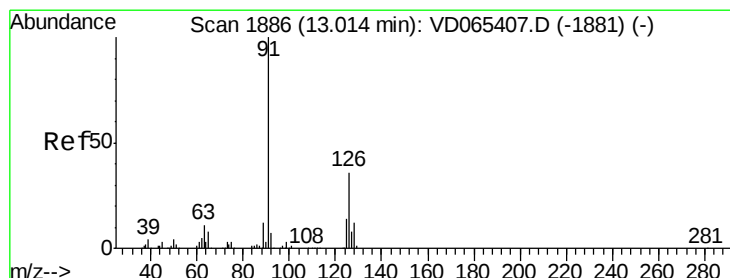
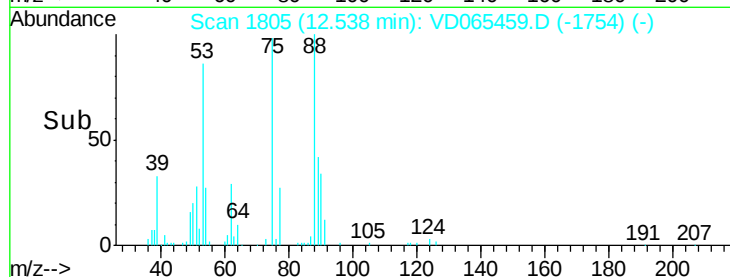
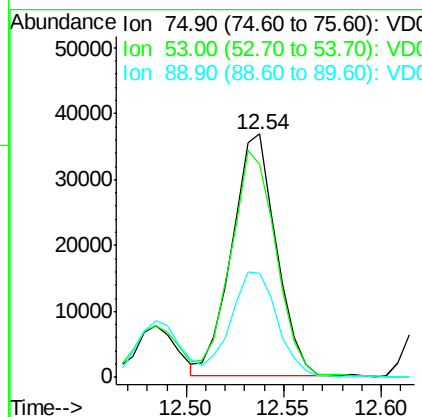
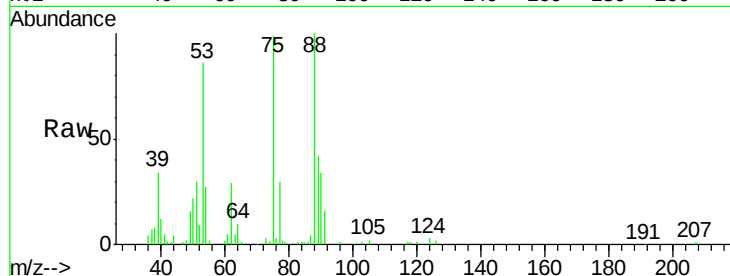
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	57780
Ion	Ratio	Lower	Upper
75	100		
53	97.1	71.3	106.9
89	45.8	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.063 ug/l

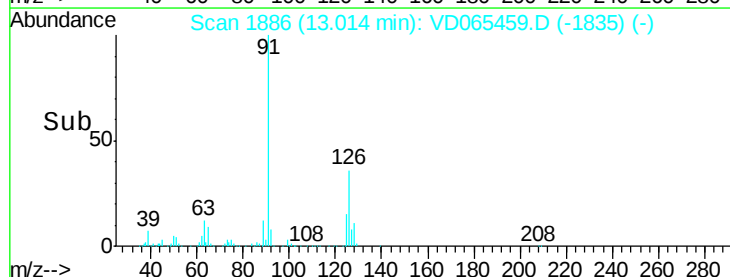
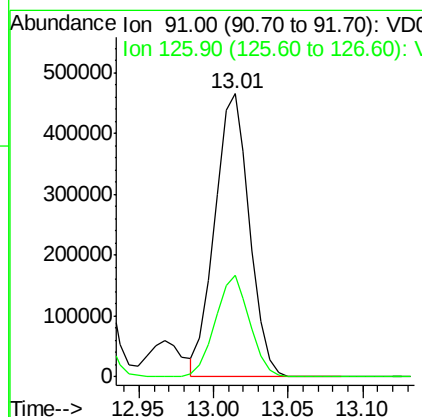
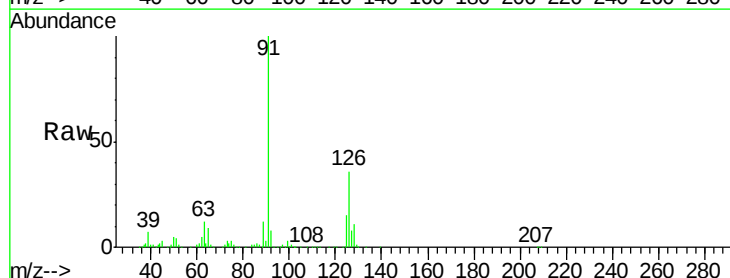
RT: 13.01 min Scan# 1886

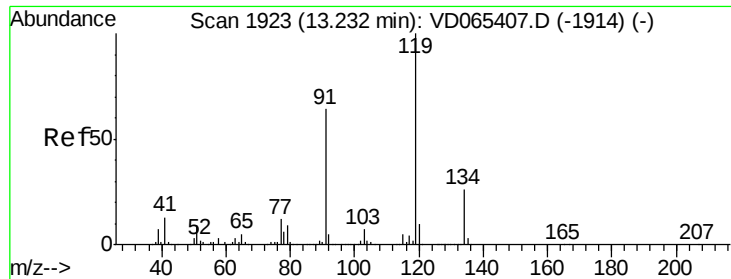
Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Tgt Ion:	91	Resp:	753248
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





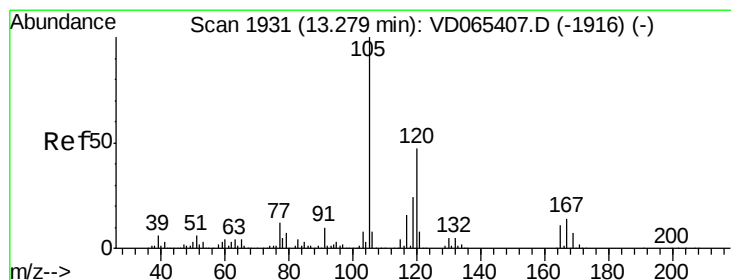
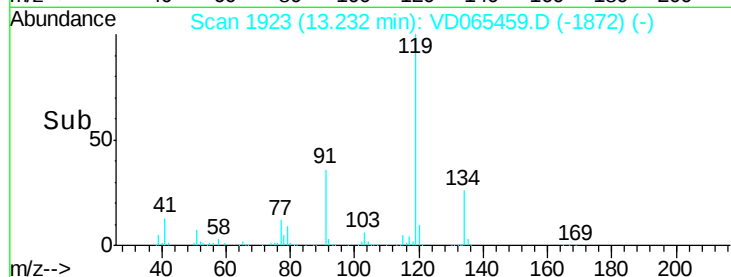
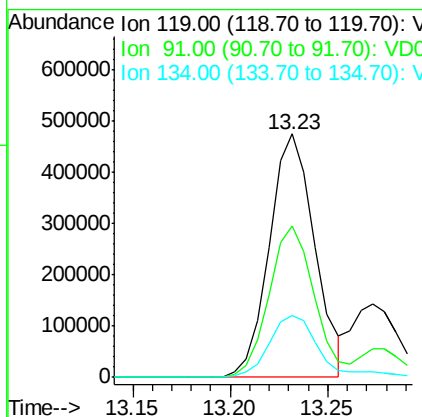
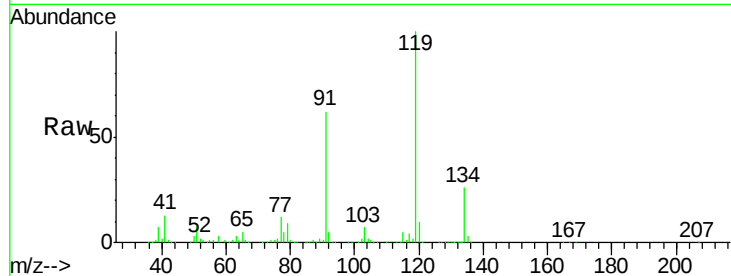
#83
 tert-Butylbenzene
 Concen: 54.386 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.6	95.0
134	28.1	14.2	42.8

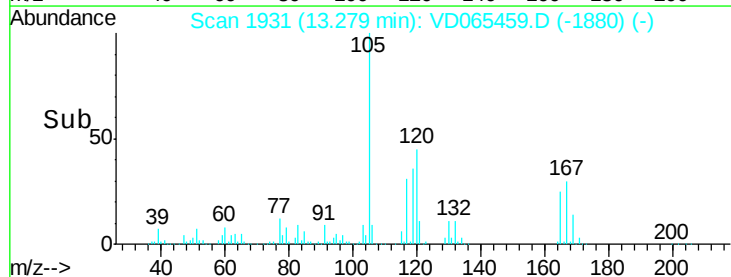
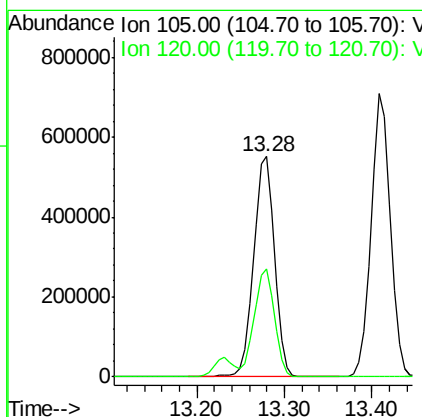
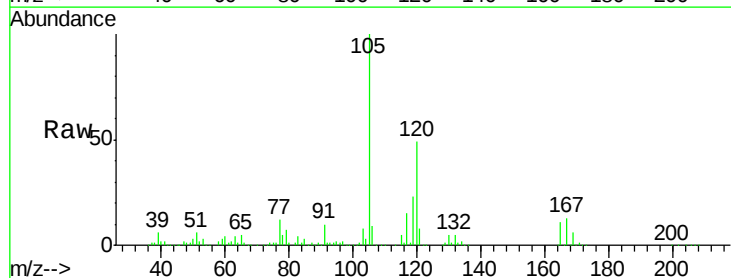
Manual Integrations
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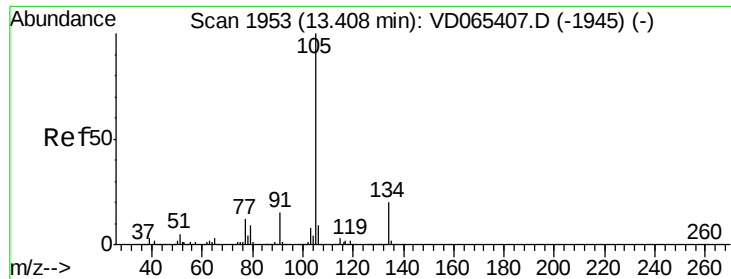
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.521 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 53.944 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1081896

Ion Ratio Lower Upper

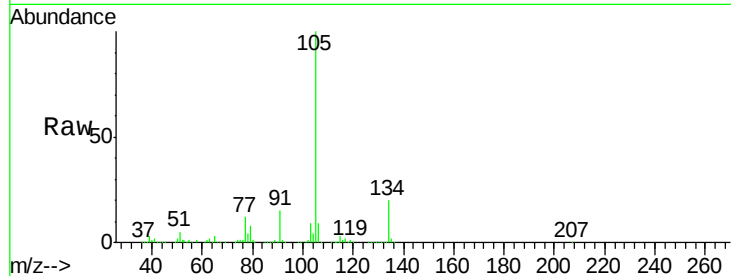
105 100

134 21.2 10.3 30.9

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

Ion 134.00 (133.70 to 134.70): V

13.41

800000

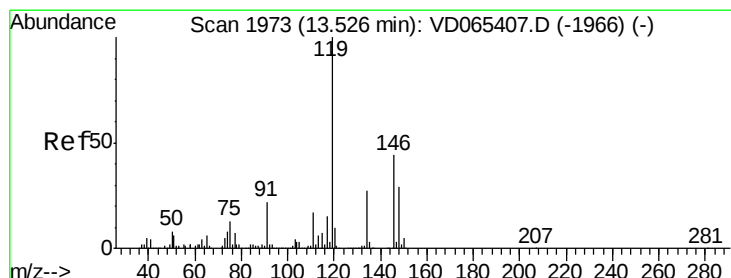
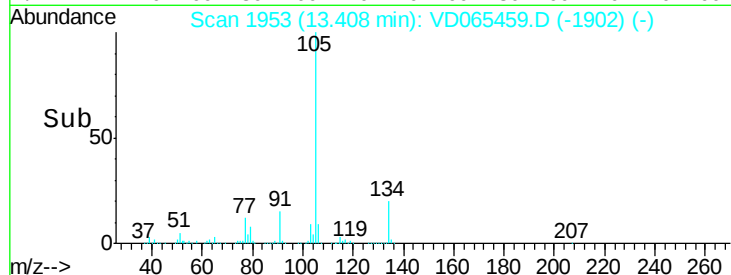
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.418 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065459.D

Acq: 10 Mar 2020 10:59

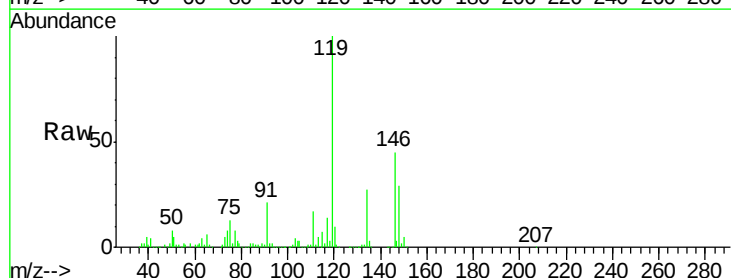
Tgt Ion:119 Resp: 1014204

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 21.7 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

13.53

800000

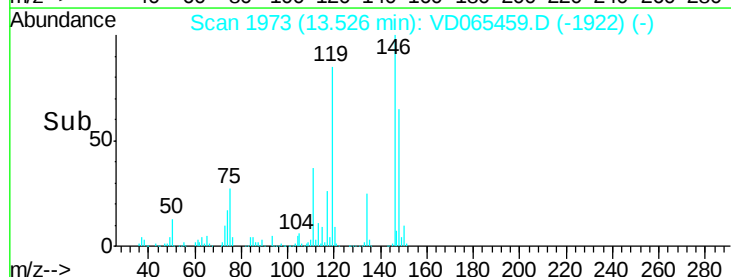
600000

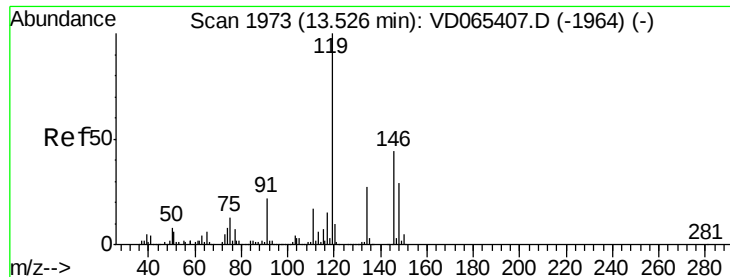
400000

200000

0

Time-->





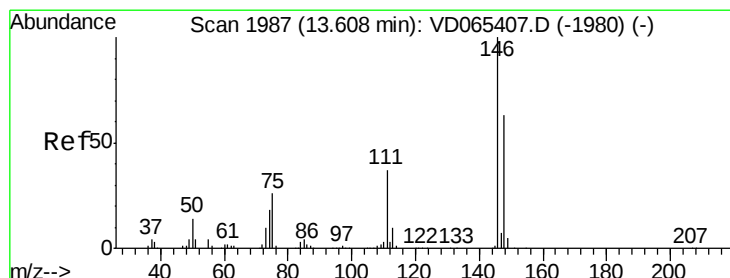
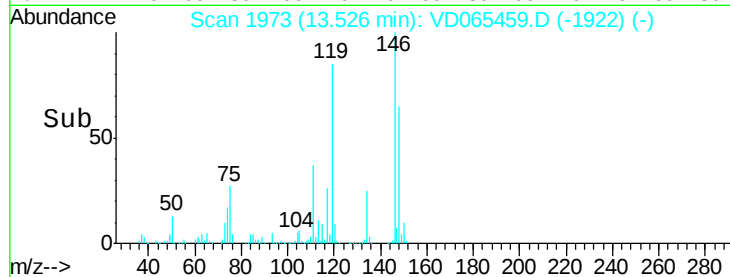
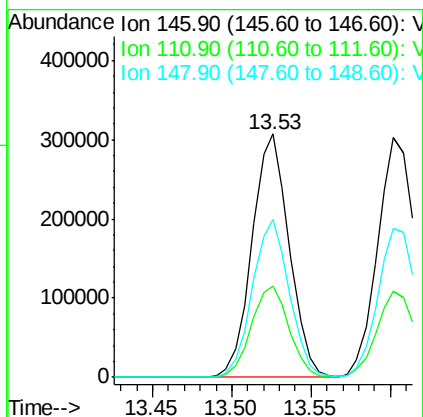
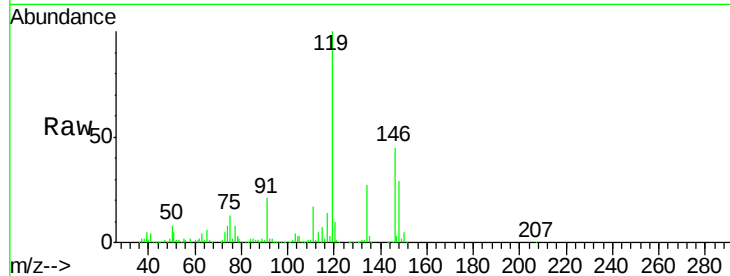
#87
 1,3-Dichlorobenzene
 Concen: 51.821 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.5	32.3	96.8

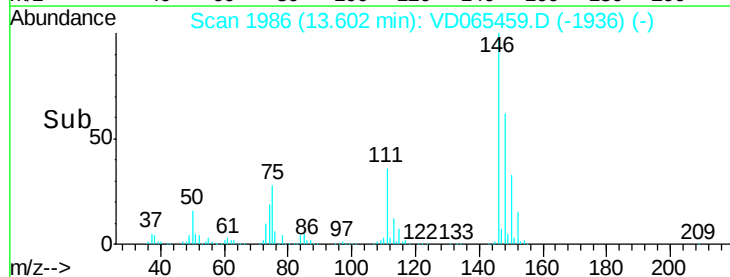
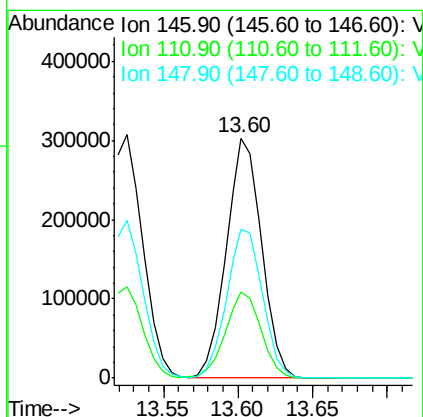
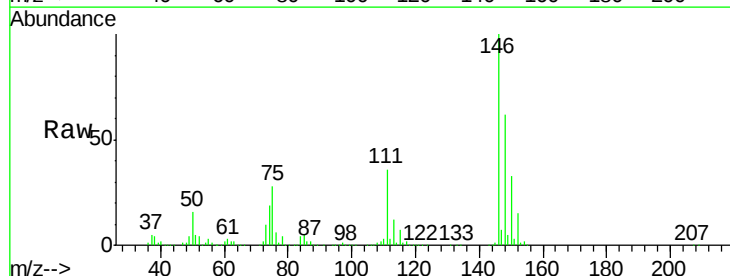
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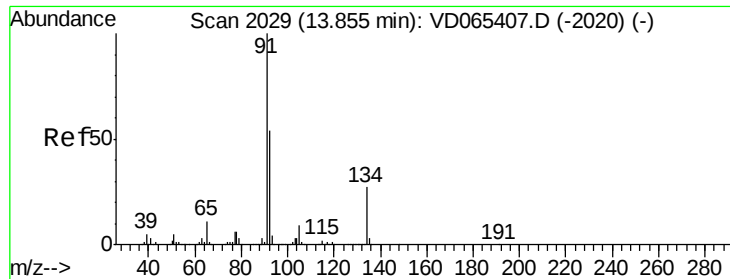
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#88
 1,4-Dichlorobenzene
 Concen: 52.187 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	63.1	32.0	96.0





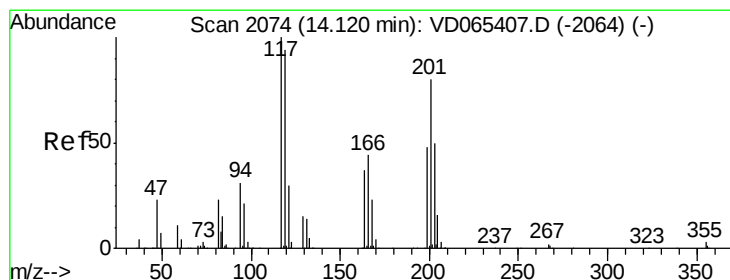
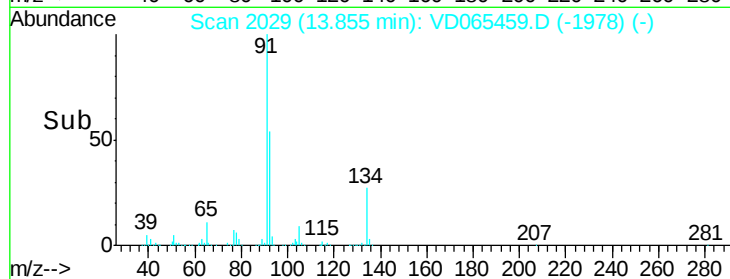
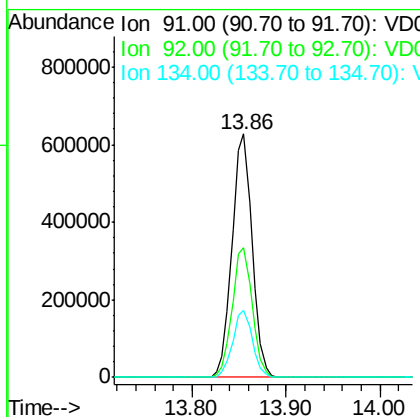
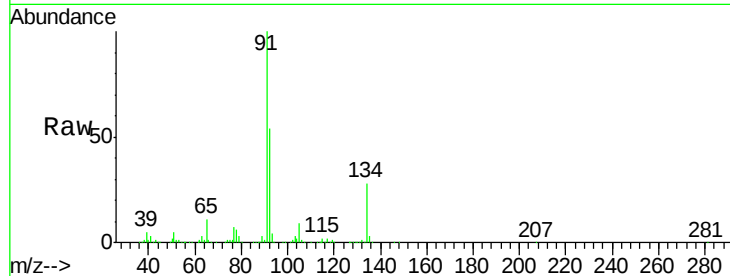
#89
n-Butylbenzene
Concen: 55.056 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.4	
134	27.0	13.4	40.2	

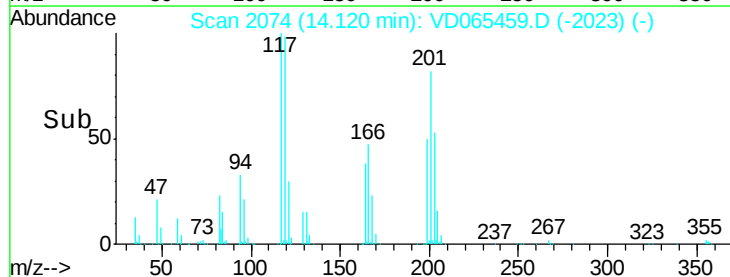
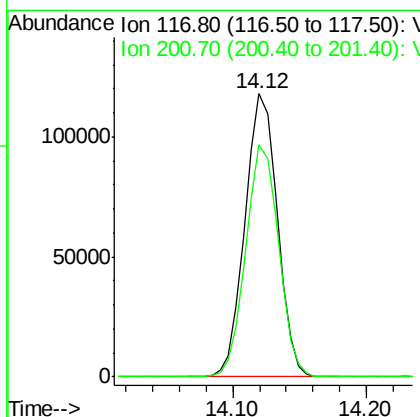
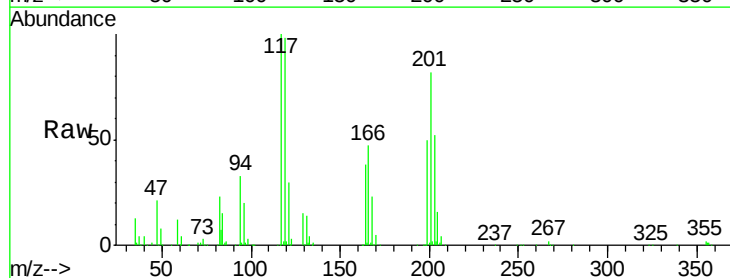
Manual Integrations
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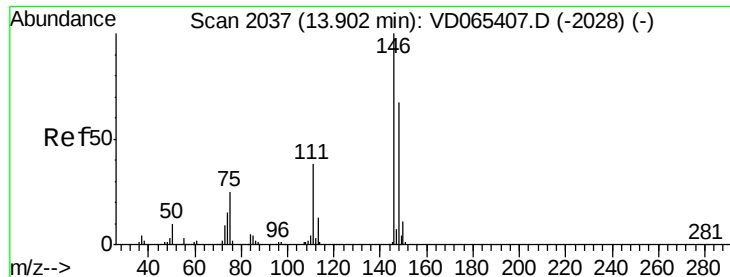
MMDadoda
3/11/2020 3:20:44 PM



#90
Hexachloroethane
Concen: 52.391 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.5	41.9	125.6	





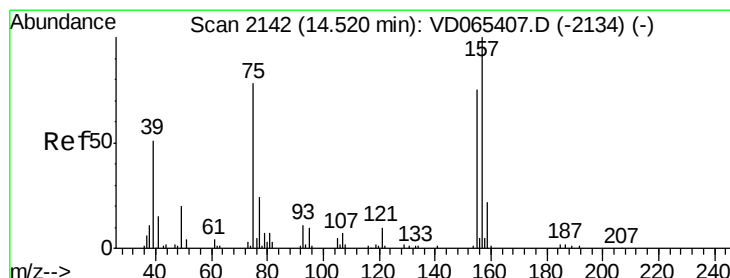
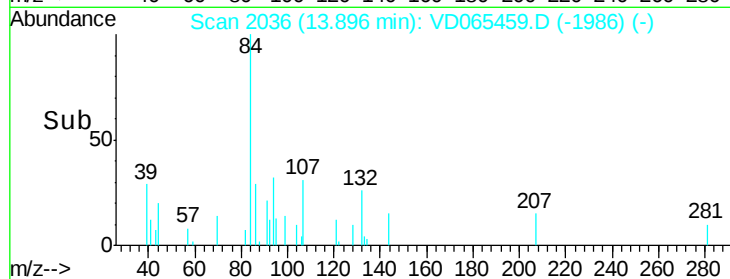
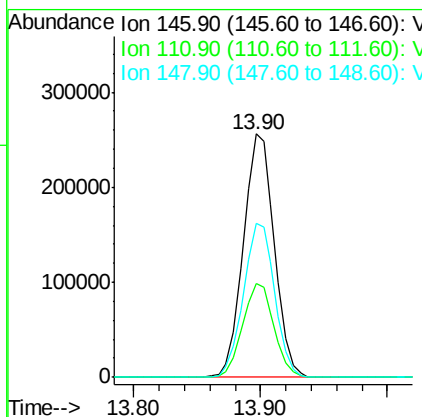
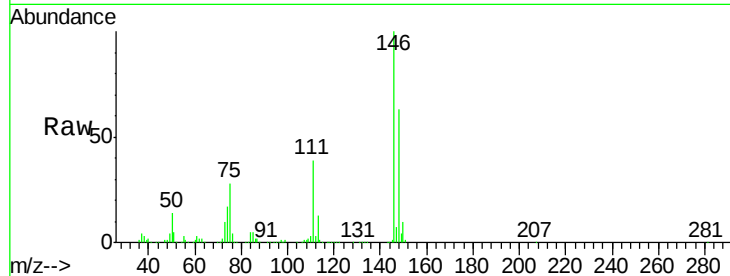
#91
 1,2-Dichlorobenzene
 Concen: 52.656 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.0	32.6	97.8

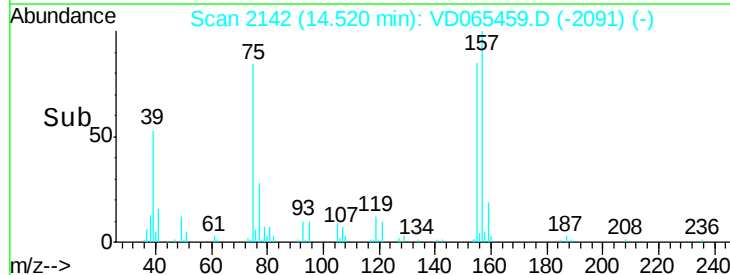
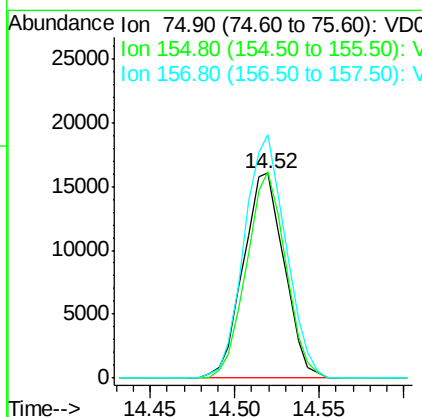
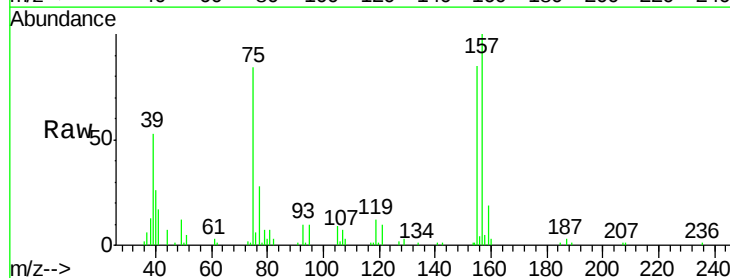
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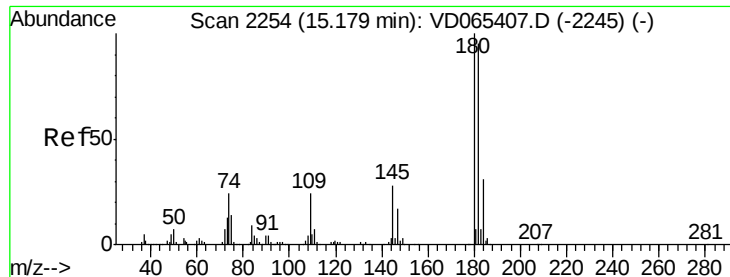
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.044 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	46.4	139.1
157	120.3	60.2	180.4





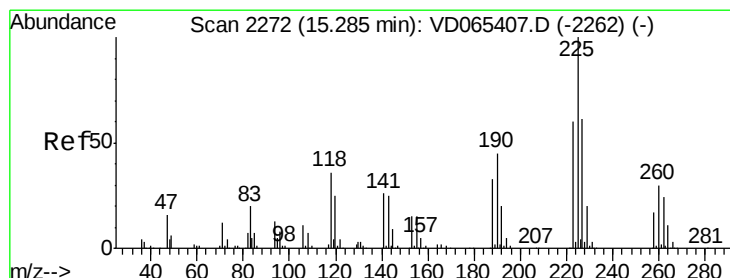
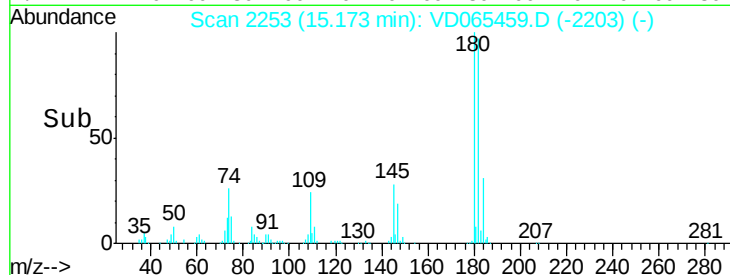
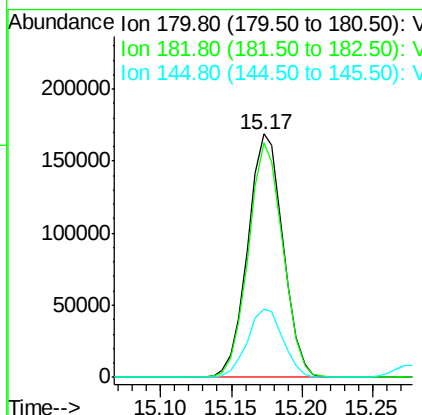
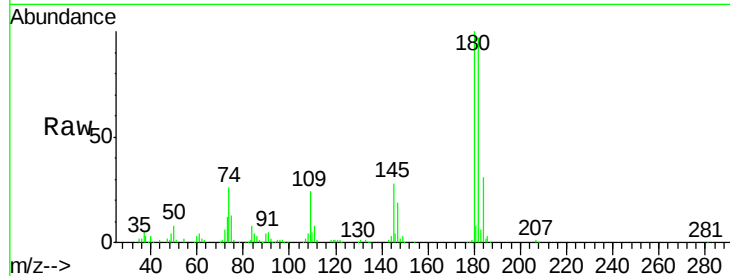
#93
 1,2,4-Trichlorobenzene
 Concen: 53.281 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	296543		
182	94.1	48.3	144.9	
145	28.3	14.4	43.4	

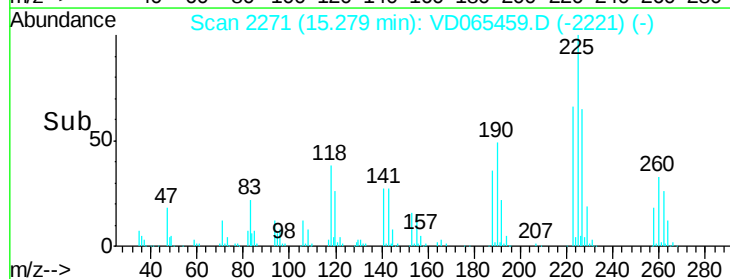
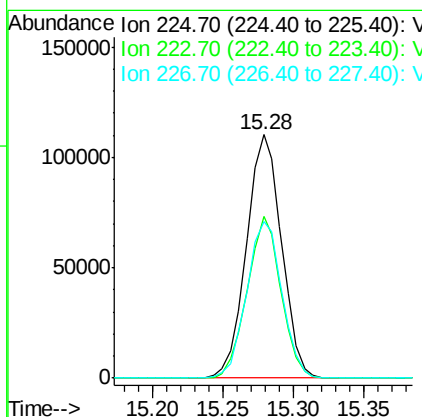
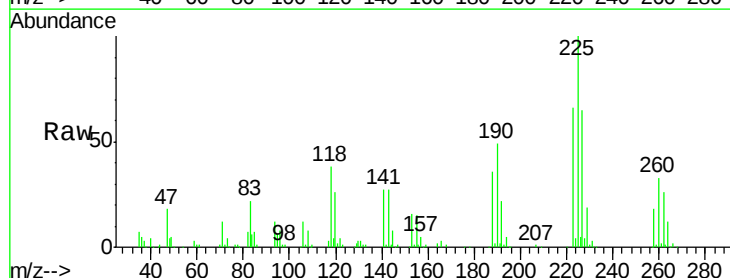
Manual Integrations
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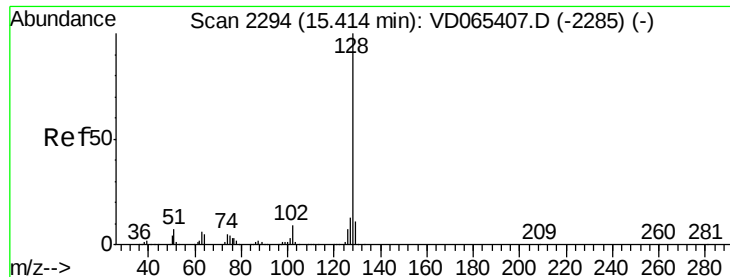
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#94
 Hexachlorobutadiene
 Concen: 52.618 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065459.D
 Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	192426		
223	63.8	30.9	92.5	
227	64.6	31.6	94.7	





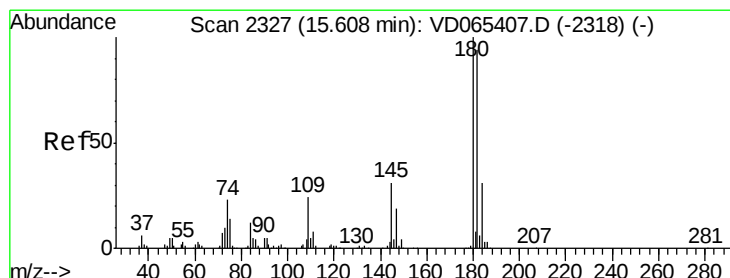
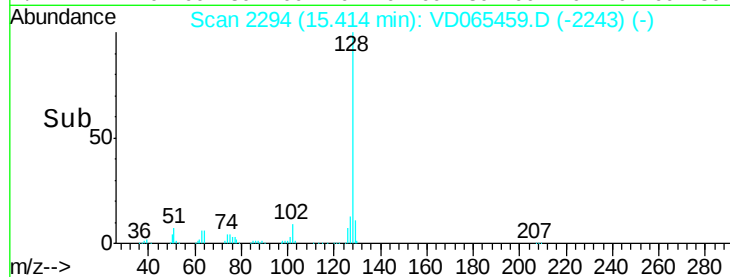
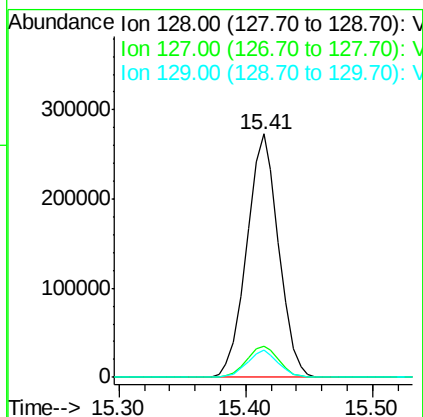
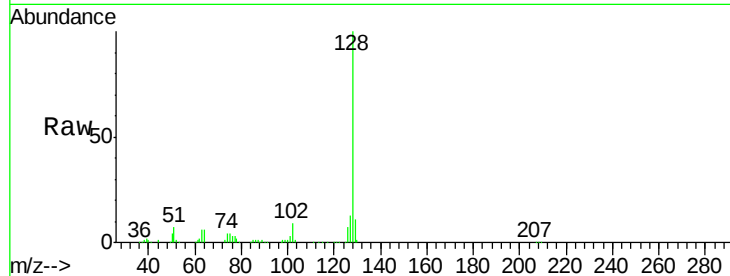
#95
Naphthalene
Concen: 48.252 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	476967		
127	13.0		10.6	16.0
129	10.9		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.301 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065459.D
Acq: 10 Mar 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	256349		
182	95.8		46.9	140.6
145	30.6		15.0	45.1

