

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065407.D
 Acq On : 04 Mar 2020 12:00
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:31 PM

Quant Time: Mar 05 02:34:10 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	503903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209166	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.92	113	223920	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	891560	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.64	95	278002	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199052	45.963	ug/l	100
3) Chloromethane	2.21	50	238198	45.557	ug/l	100
4) Vinyl Chloride	2.35	62	247990	48.087	ug/l	100
5) Bromomethane	2.77	94	153080	53.289	ug/l	100
6) Chloroethane	2.93	64	153708	48.665	ug/l	100
7) Trichlorofluoromethane	3.27	101	361546	47.578	ug/l	100
8) Diethyl Ether	3.71	74	107905	47.750	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230990	47.198	ug/l	100
10) Methyl Iodide	4.30	142	276129	54.308	ug/l	100
11) Tert butyl alcohol	5.24	59	57450	231.713	ug/l	100
12) 1,1-Dichloroethene	4.06	96	223438	47.678	ug/l	100
13) Acrolein	3.93	56	96474	225.620	ug/l	100
14) Allyl chloride	4.71	41	354656	49.264	ug/l	100
15) Acrylonitrile	5.43	53	235575	239.624	ug/l	100
16) Acetone	4.17	43	199040	227.688	ug/l	100
17) Carbon Disulfide	4.40	76	757138	48.514	ug/l	100
18) Methyl Acetate	4.72	43	102830	46.372	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	451535	50.103	ug/l	100
20) Methylene Chloride	4.96	84	241022	50.828	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	256953	49.289	ug/l	100
22) Diisopropyl ether	6.37	45	682767	51.019	ug/l	100
23) Vinyl Acetate	6.31	43	1929080	259.609	ug/l	100
24) 1,1-Dichloroethane	6.27	63	418846	48.795	ug/l	100
25) 2-Butanone	7.22	43	284685	238.639	ug/l	100
26) 2,2-Dichloropropane	7.21	77	361935	48.250	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	266204	49.957	ug/l	100
28) Bromochloromethane	7.55	49	166343	48.436	ug/l	100
29) Tetrahydrofuran	7.57	42	188102	246.908	ug/l	100
30) Chloroform	7.71	83	421397	49.116	ug/l	100
31) Cyclohexane	7.98	56	410463	47.821	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	387736	48.903	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349643	50.715	ug/l	100
37) Ethyl Acetate	7.30	43	129020	48.418	ug/l	100
38) Carbon Tetrachloride	8.10	117	355807	49.769	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	437089	52.492	ug/l	100
40) Benzene	8.36	78	981281	50.907	ug/l	100
41) Methacrylonitrile	7.53	41	61075	43.339	ug/l	100
42) 1,2-Dichloroethane	8.43	62	247293	49.130	ug/l	100
43) Isopropyl Acetate	8.46	43	245223	49.840	ug/l	100
44) Trichloroethene	9.11	130	275241	50.562	ug/l	100
45) 1,2-Dichloropropane	9.39	63	235467	50.429	ug/l	100
46) Dibromomethane	9.48	93	122576	50.610	ug/l	100
47) Bromodichloromethane	9.67	83	318302	50.517	ug/l	100
48) Methyl methacrylate	9.46	41	115345	49.837	ug/l	100
49) 1,4-Dioxane	9.47	88	27952	1008.959	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	629022	254.051	ug/l	100
52) Toluene	10.41	92	628958	51.795	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	300742	51.075	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	368135	51.651	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	168898	49.237	ug/l	100
56) Ethyl methacrylate	10.67	69	202507	52.366	ug/l	100
57) 1,3-Dichloropropane	10.95	76	289339	49.851	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	276532	228.978	ug/l	100
59) 2-Hexanone	10.99	43	441617	257.658	ug/l	100
60) Dibromochloromethane	11.14	129	219174	49.845	ug/l	100
61) 1,2-Dibromoethane	11.25	107	161206	49.268	ug/l	100
64) Tetrachloroethene	10.88	164	234171	50.259	ug/l	100
65) Chlorobenzene	11.68	112	645026	50.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	233881	49.908	ug/l	100
67) Ethyl Benzene	11.75	91	1169043	52.581	ug/l	100
68) m/p-Xylenes	11.86	106	908953	106.027	ug/l	100
69) o-Xylene	12.19	106	402159	53.330	ug/l	100
70) Styrene	12.20	104	706022	53.198	ug/l	100
71) Bromoform	12.37	173	128137	48.679	ug/l	100
73) Isopropylbenzene	12.48	105	1109602	53.864	ug/l	100
74) N-amyl acetate	12.30	43	217701	51.621	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	177727	49.082	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	121209m	49.046	ug/l	
77) Bromobenzene	12.77	156	260944	50.985	ug/l	100
78) n-propylbenzene	12.83	91	1307893	53.510	ug/l	100
79) 2-Chlorotoluene	12.91	91	716155	51.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	914413	53.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58647	50.079	ug/l	100
82) 4-Chlorotoluene	13.01	91	753705	52.068	ug/l	100
83) tert-Butylbenzene	13.23	119	759409	53.003	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	904382	54.175	ug/l	100
85) sec-Butylbenzene	13.41	105	1100008	53.786	ug/l	100
86) p-Isopropyltoluene	13.53	119	1015180	54.399	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	496688	50.477	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	489510	50.011	ug/l	100
89) n-Butylbenzene	13.86	91	936692	54.292	ug/l	100
90) Hexachloroethane	14.12	117	196420	51.109	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419627	50.113	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26622	48.275	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	289705	51.046	ug/l	100
94) Hexachlorobutadiene	15.28	225	189644	50.855	ug/l	100
95) Naphthalene	15.41	128	472900	47.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252322	51.449	ug/l	100

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

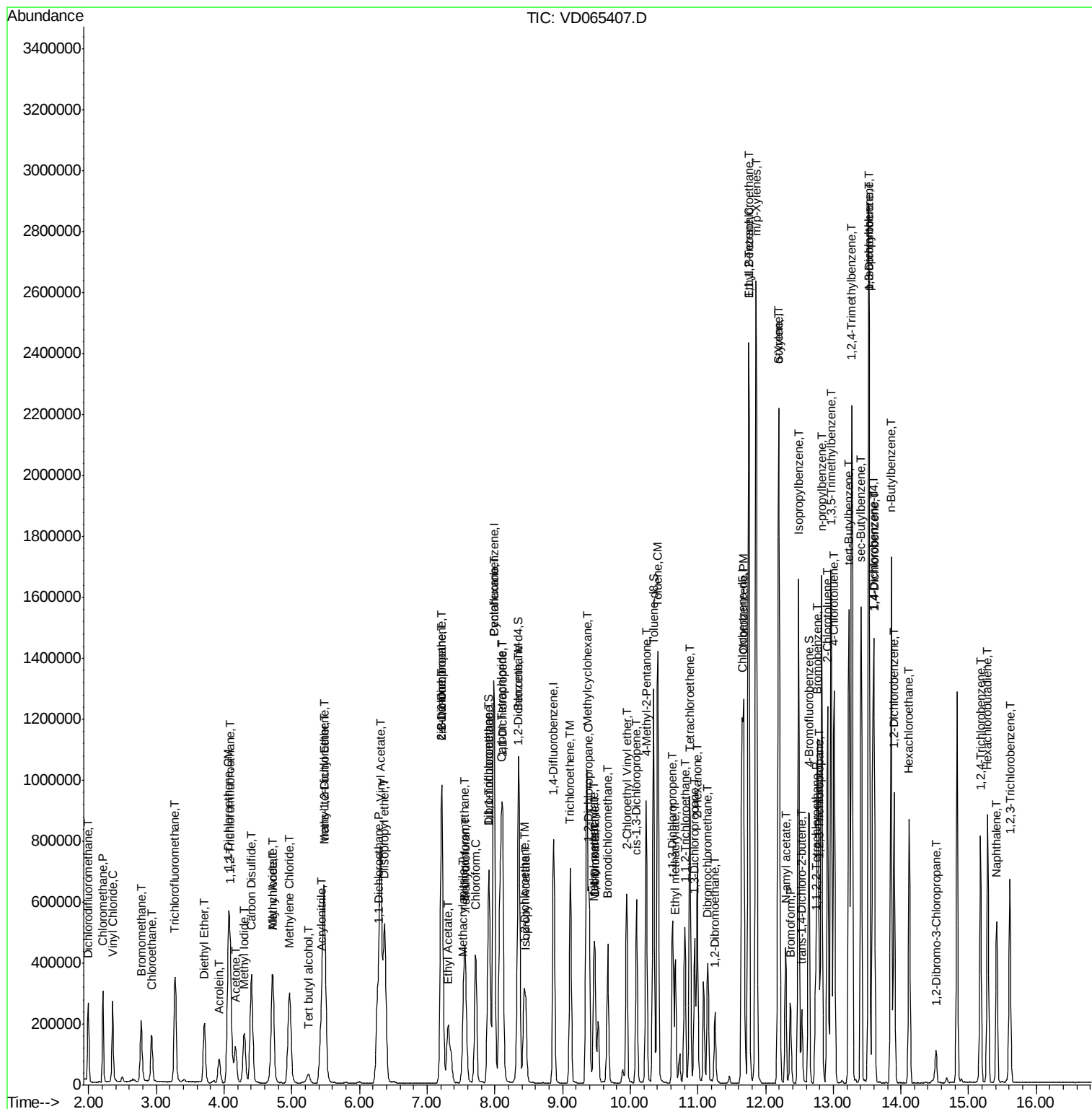
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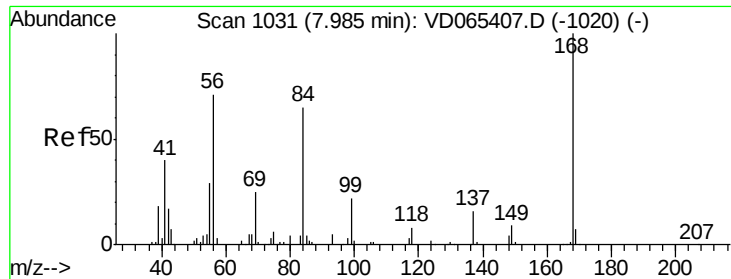
Instrument :
MSVOA_D
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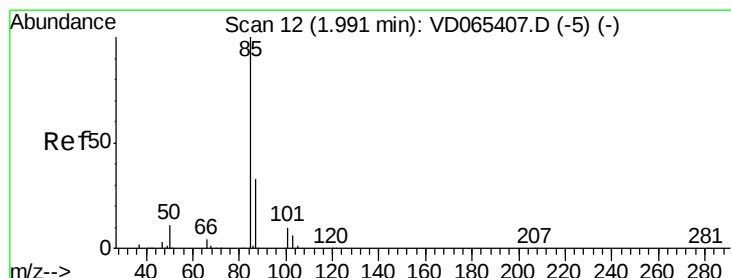
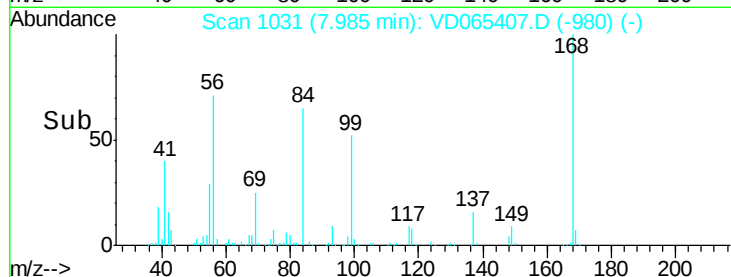
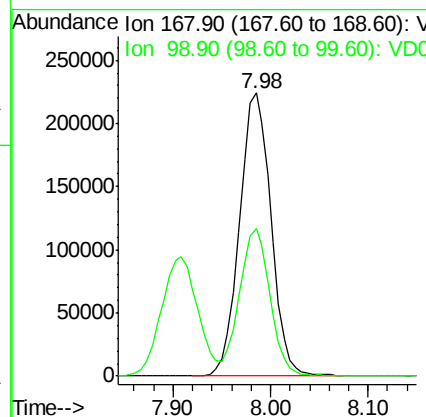
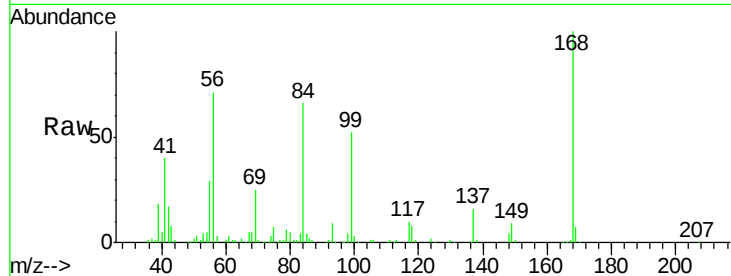
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion:168 Resp: 503903
Ion Ratio Lower Upper
168 100
99 51.9 41.5 62.3

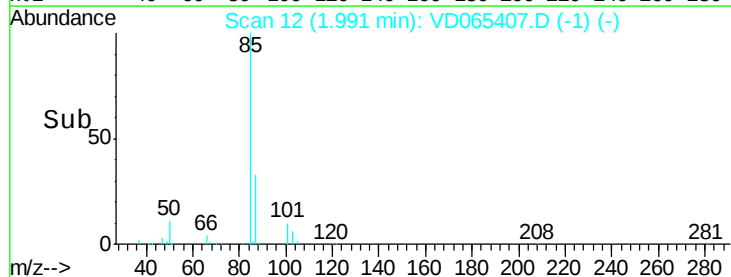
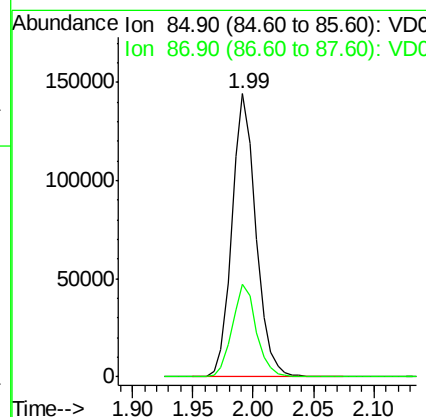
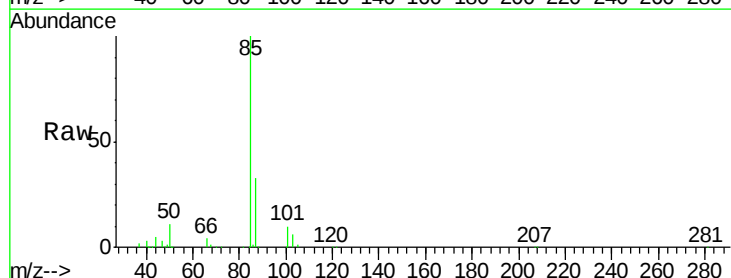
Manual Integrations
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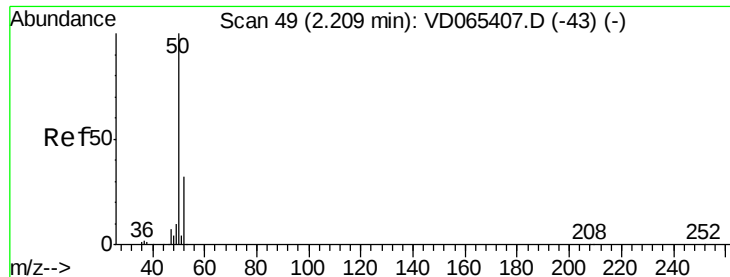
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#2
Dichlorodifluoromethane
Concen: 45.963 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 85 Resp: 199052
Ion Ratio Lower Upper
85 100
87 32.7 16.4 49.1





#3

Chloromethane

Concen: 45.557 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 238198

Ion Ratio Lower Upper

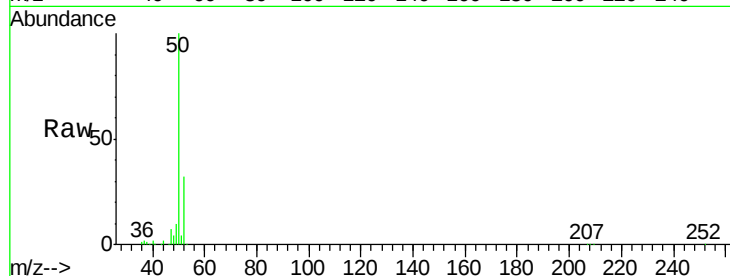
50 100

52 32.3 25.8 38.8

Manual Integrations
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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

200000

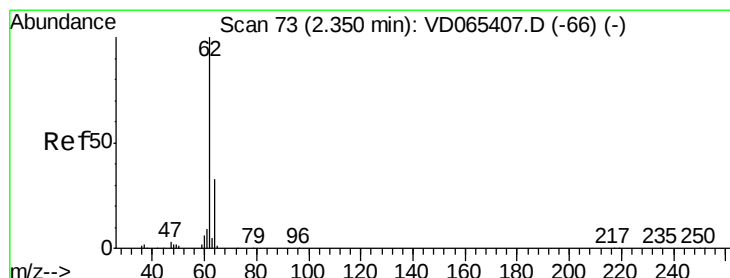
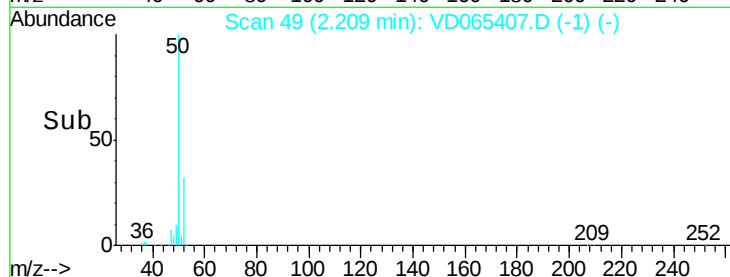
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.087 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065407.D

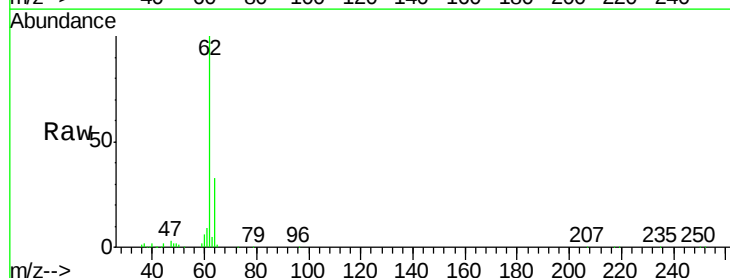
Acq: 04 Mar 2020 12:00

Tgt Ion: 62 Resp: 247990

Ion Ratio Lower Upper

62 100

64 33.2 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

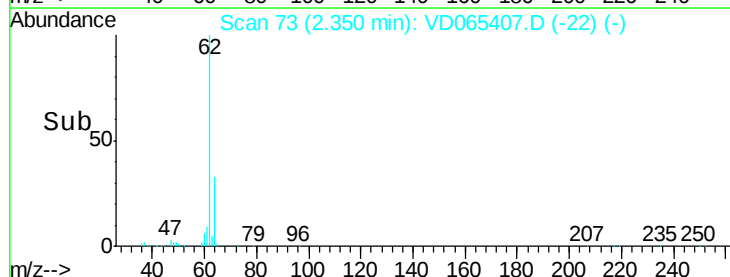
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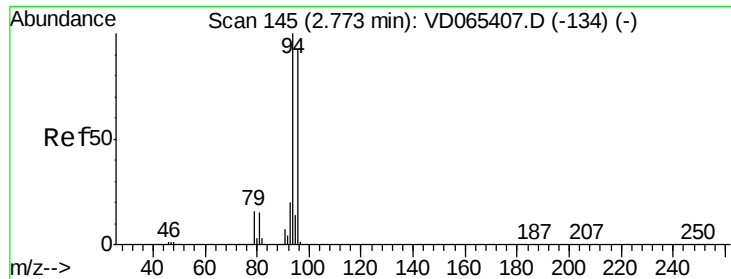
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50000

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Time-->





#5

Bromomethane

Concen: 53.289 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 153080

Ion Ratio Lower Upper

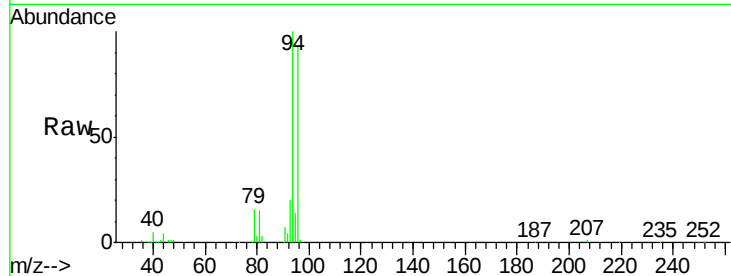
94 100

96 93.0 74.4 111.6

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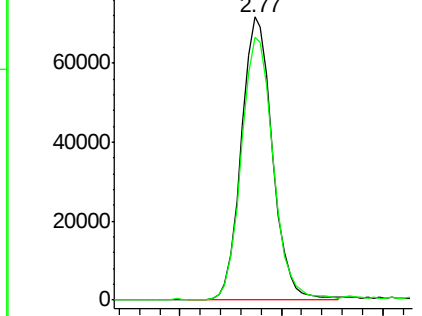
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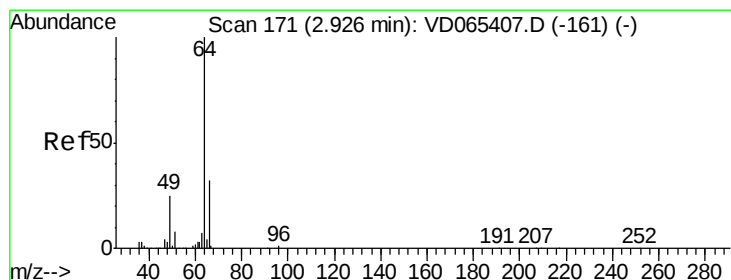
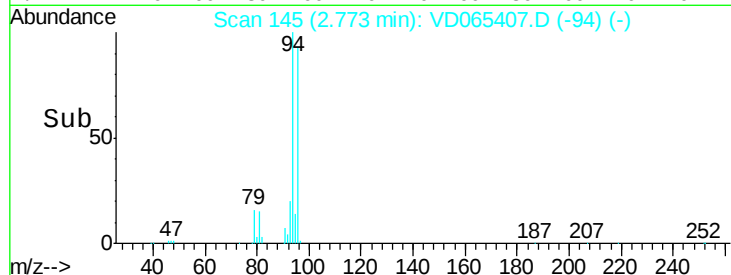


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 48.665 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065407.D

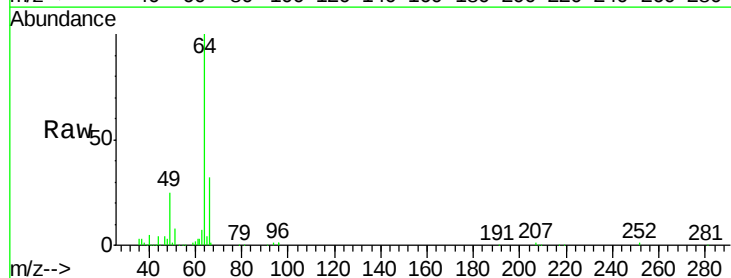
Acq: 04 Mar 2020 12:00

Tgt Ion: 64 Resp: 153708

Ion Ratio Lower Upper

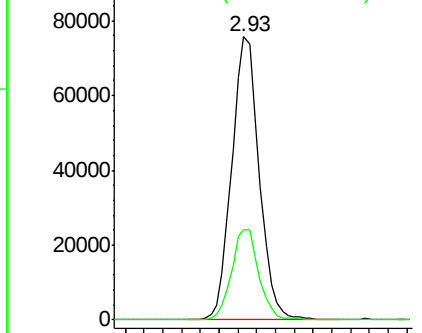
64 100

66 32.0 25.6 38.4

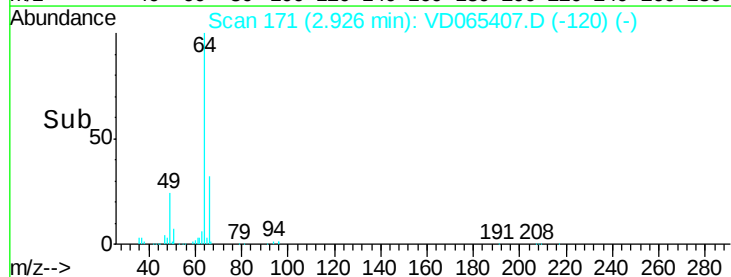


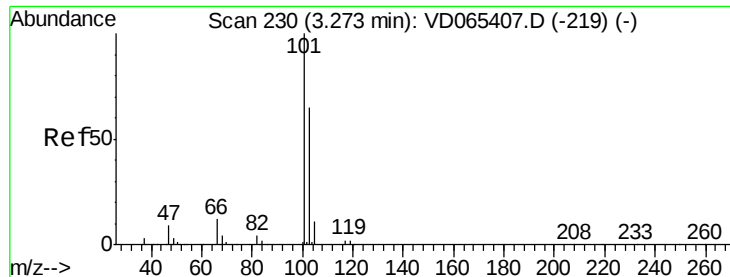
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

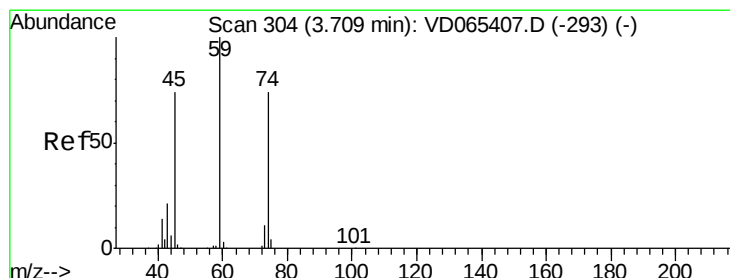
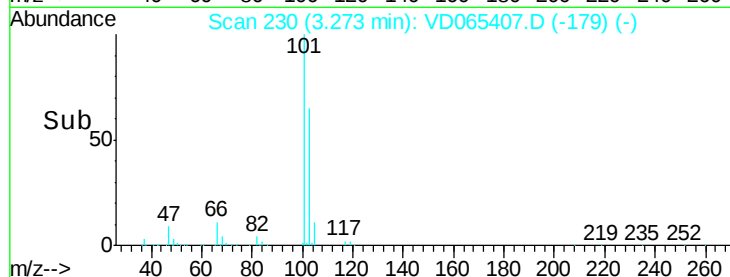
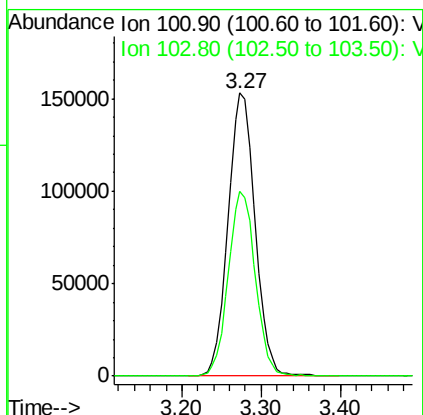
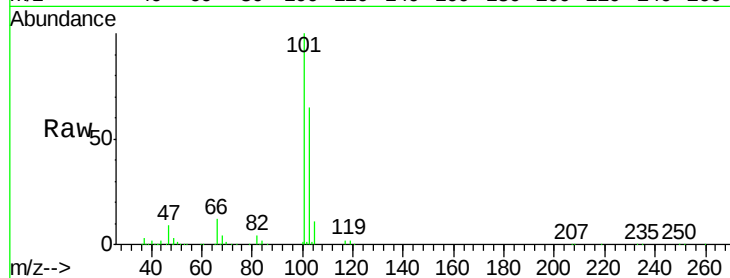
Trichlorofluoromethane
Concen: 47.578 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

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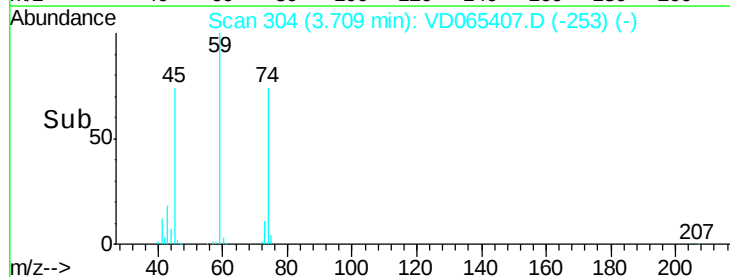
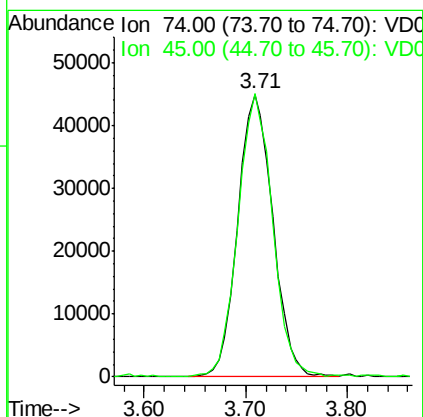
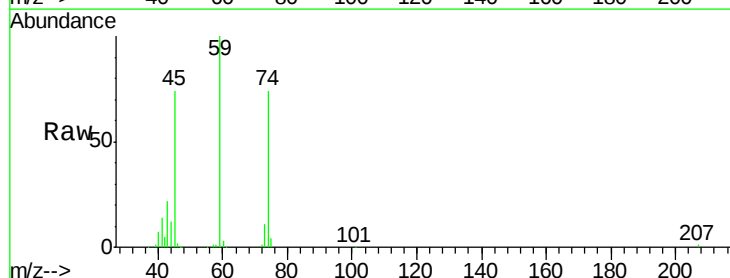
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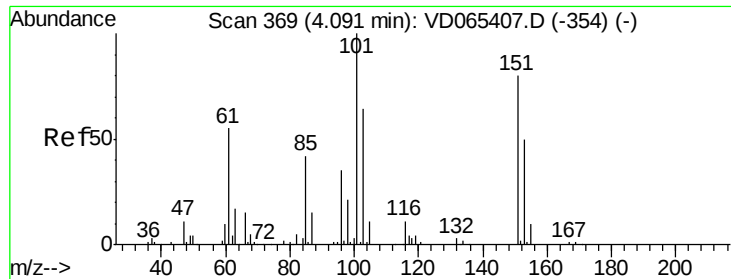


#8

Diethyl Ether
Concen: 47.750 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.198 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

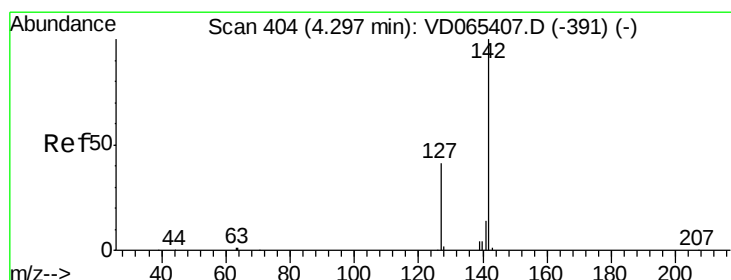
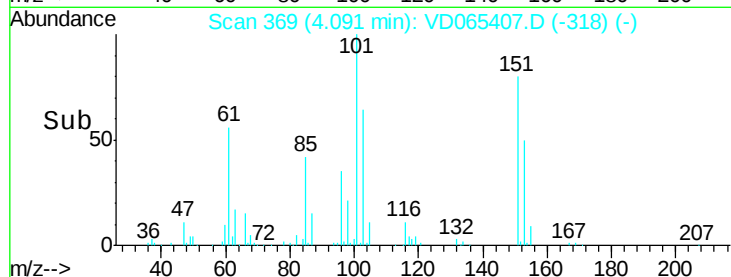
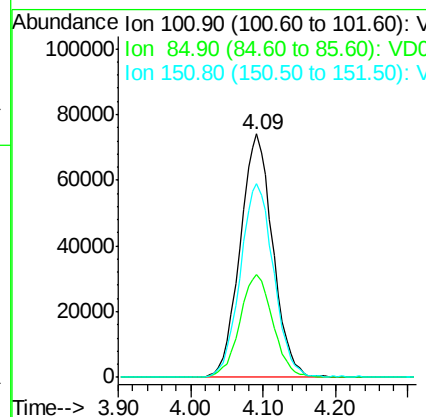
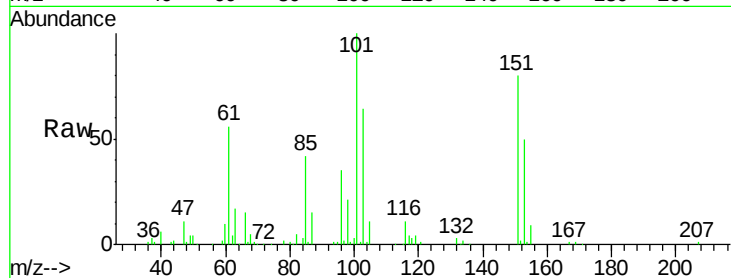
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	230990
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	81.4	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 54.308 ug/l

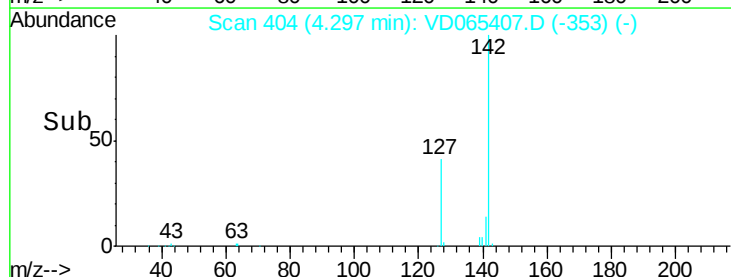
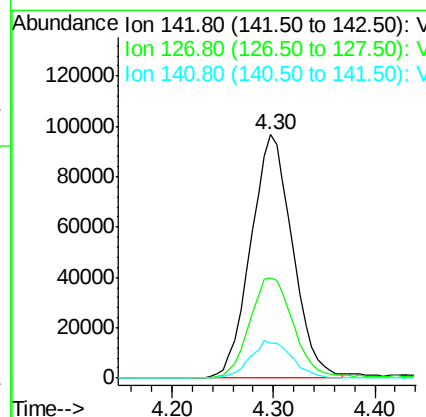
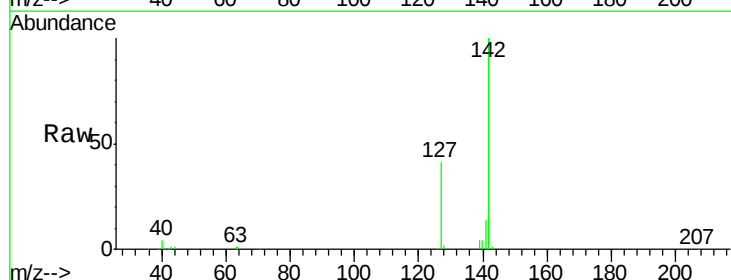
RT: 4.30 min Scan# 404

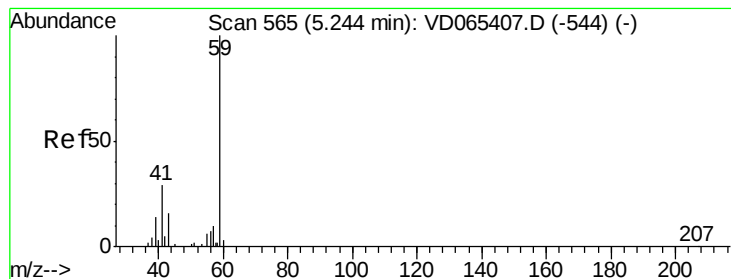
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	142	Resp:	276129
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.6
141	15.5	12.4	18.6





#11

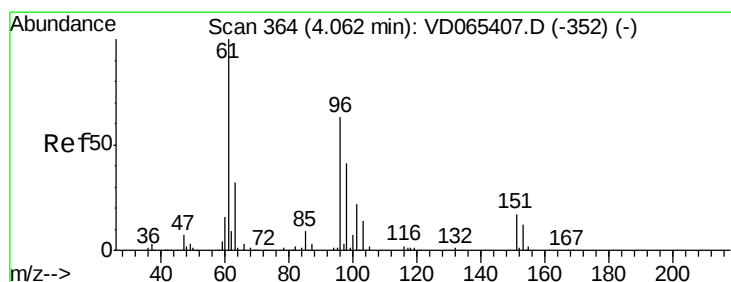
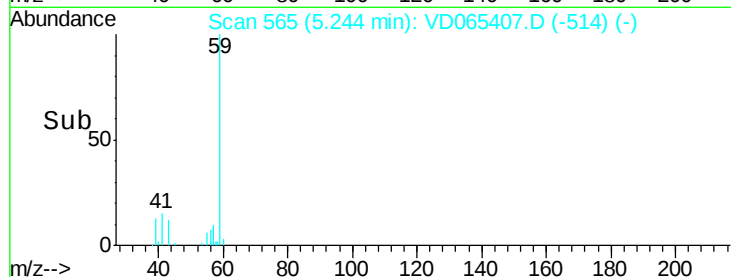
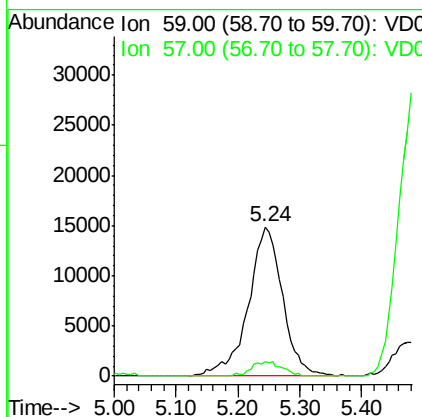
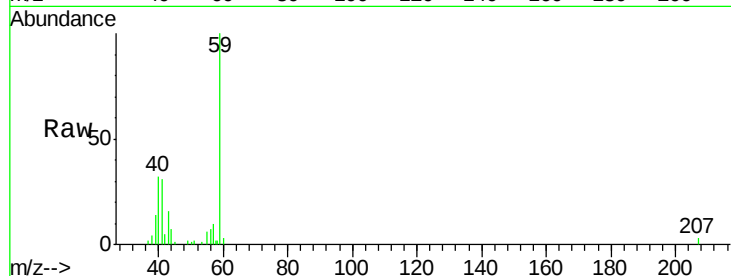
Tert butyl alcohol
Concen: 231.713 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	6.9	10.3

Manual Integrations
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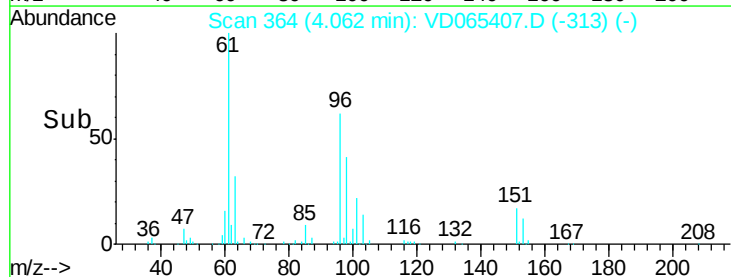
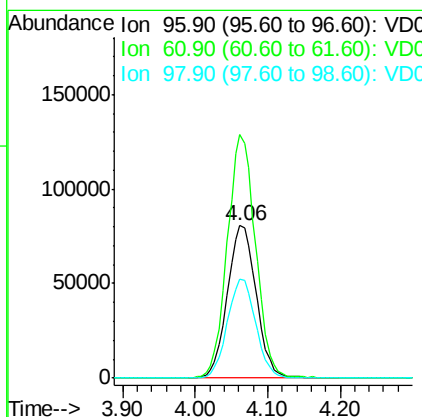
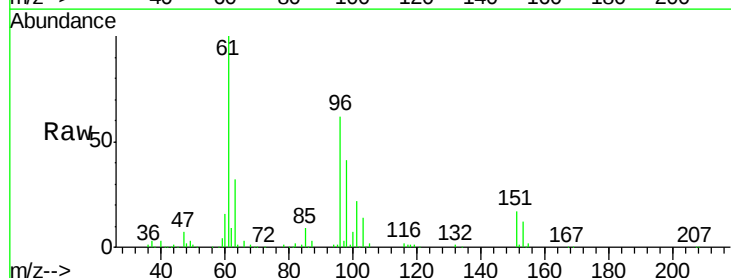
MMDadoda
3/5/2020 1:38:31 PM

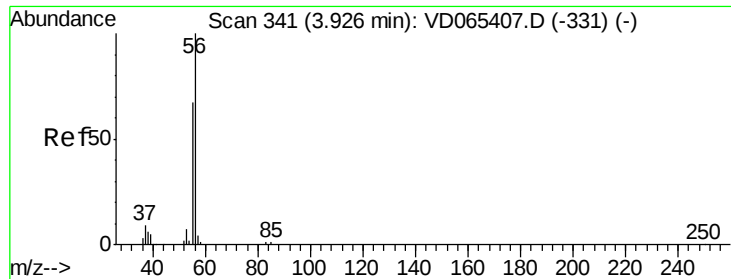


#12

1,1-Dichloroethene
Concen: 47.678 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	128.0	192.0
98	64.9	51.9	77.9





#13

Acrolein

Concen: 225.620 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 96474

Ion Ratio Lower Upper

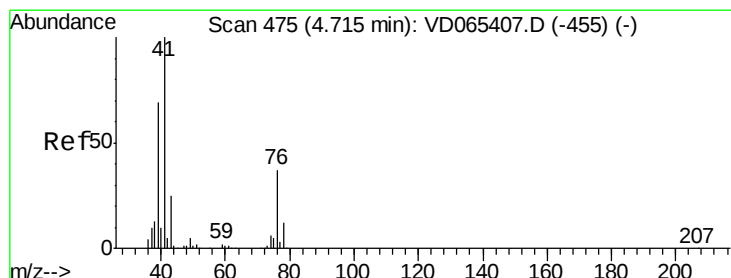
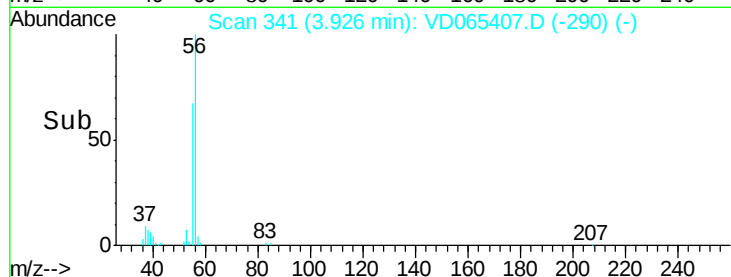
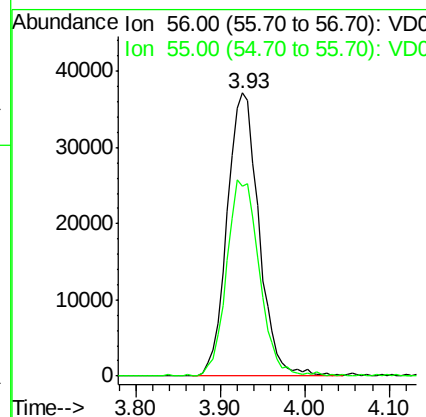
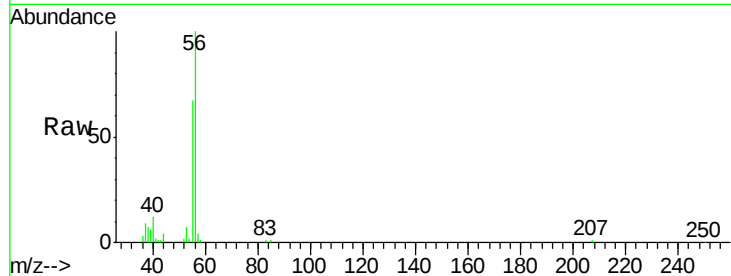
56 100

55 70.8 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 49.264 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

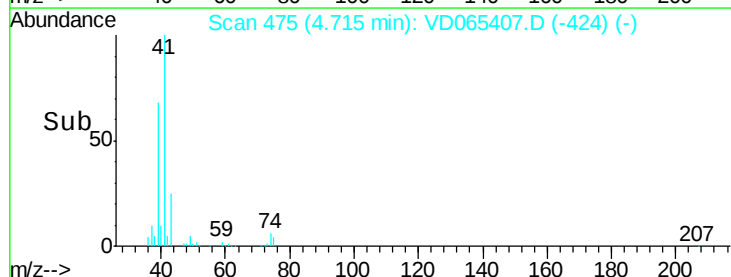
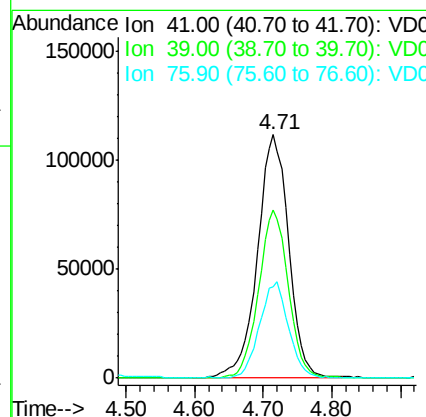
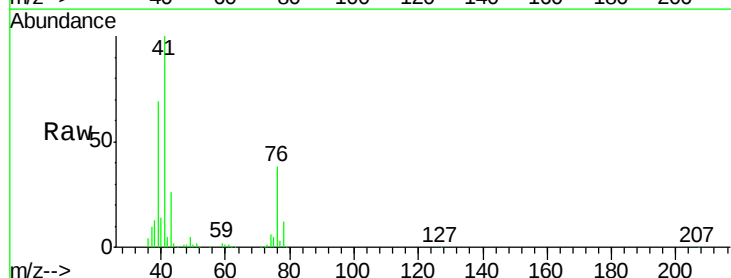
Tgt Ion: 41 Resp: 354656

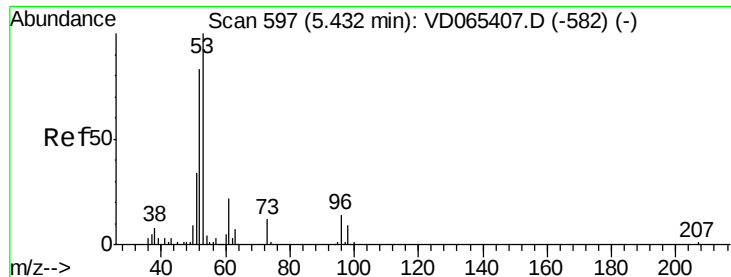
Ion Ratio Lower Upper

41 100

39 65.8 52.6 79.0

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 239.624 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

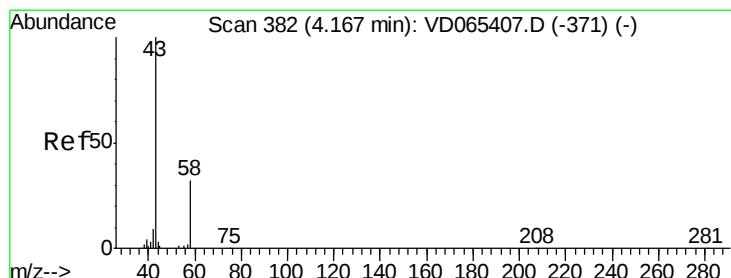
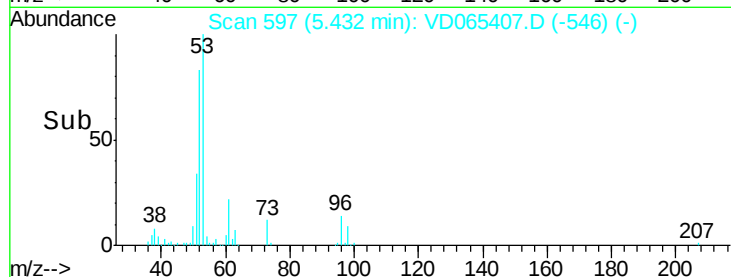
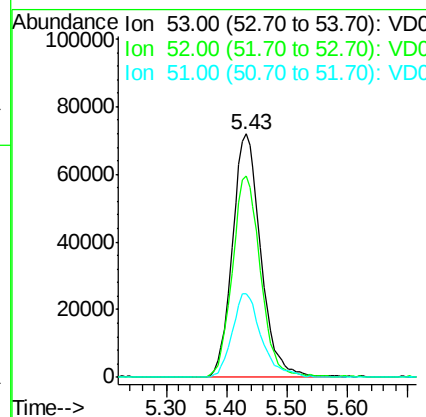
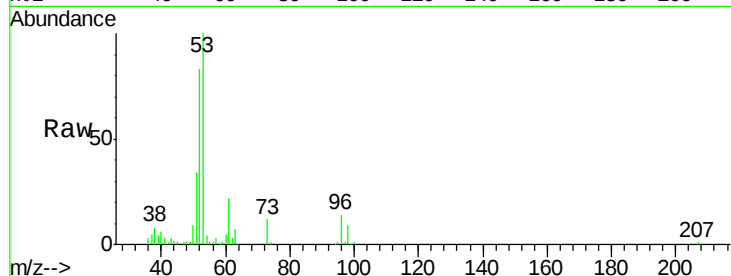
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	235575
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	35.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 227.688 ug/l

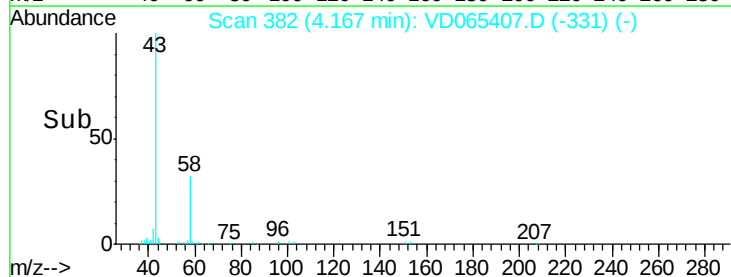
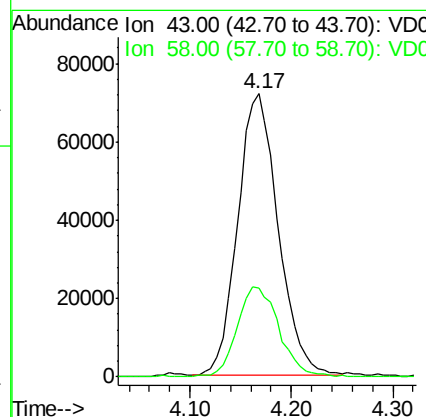
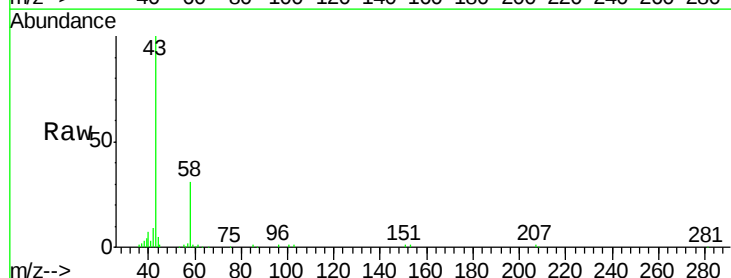
RT: 4.17 min Scan# 382

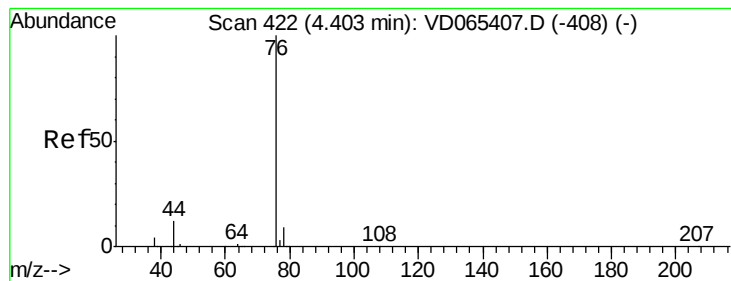
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	43	Resp:	199040
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.1	37.7





#17

Carbon Disulfide

Concen: 48.514 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 757138

Ion Ratio Lower Upper

76 100

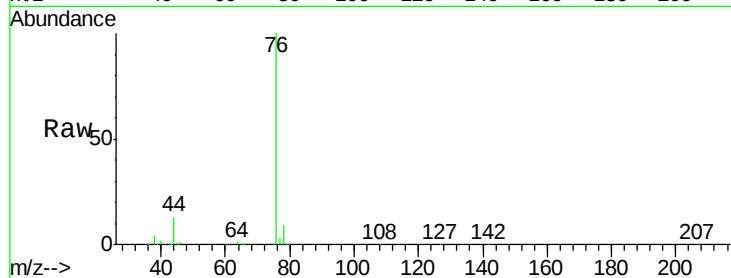
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

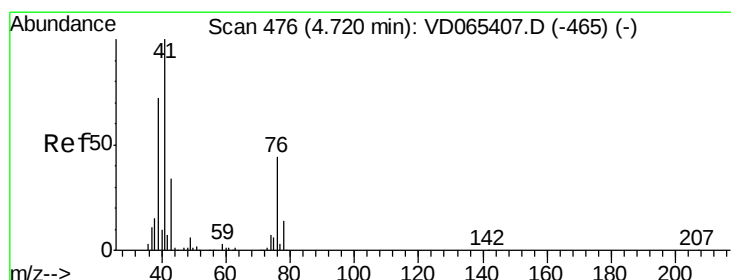
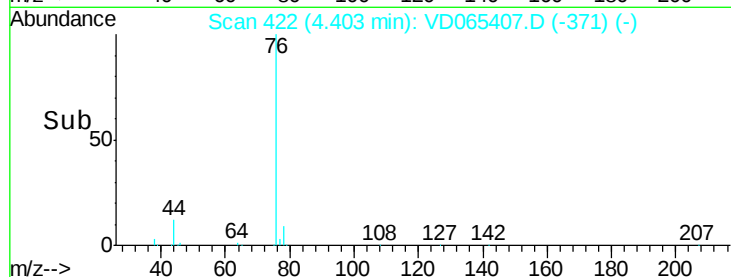
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 46.372 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065407.D

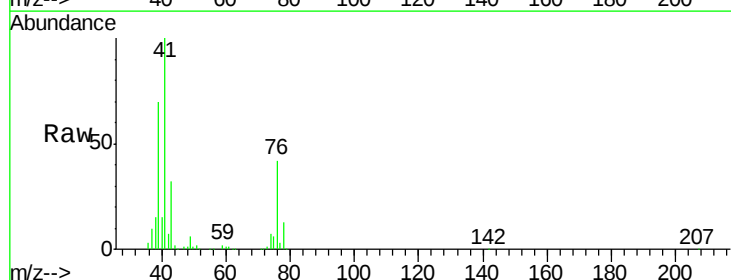
Acq: 04 Mar 2020 12:00

Tgt Ion: 43 Resp: 102830

Ion Ratio Lower Upper

43 100

74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

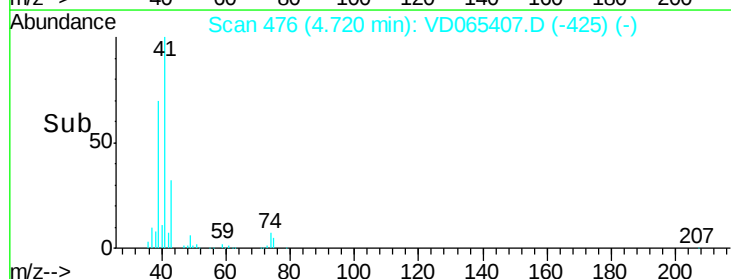
30000

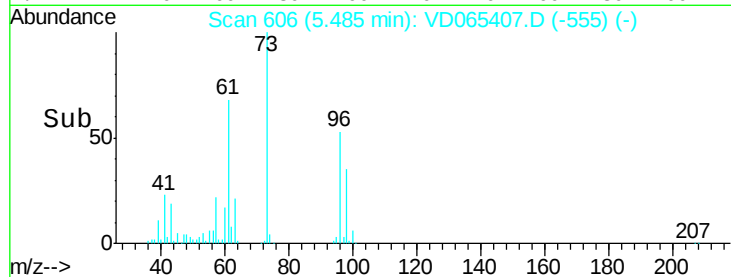
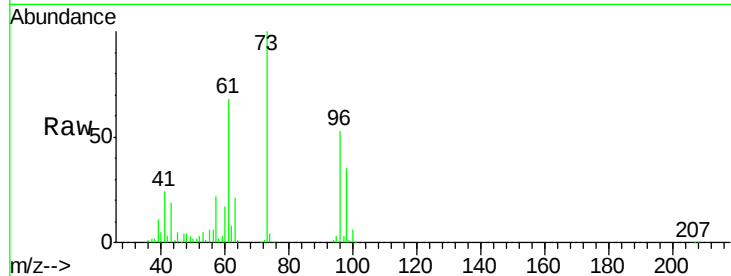
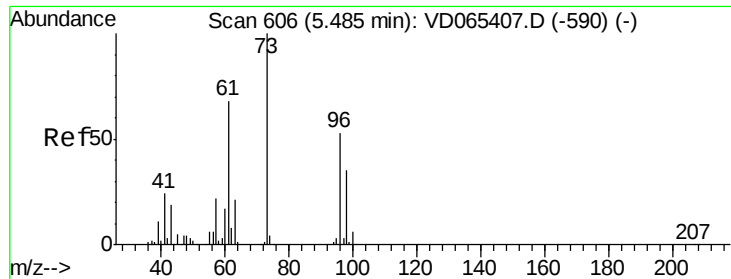
20000

10000

0

Time--> 4.60 4.70 4.80





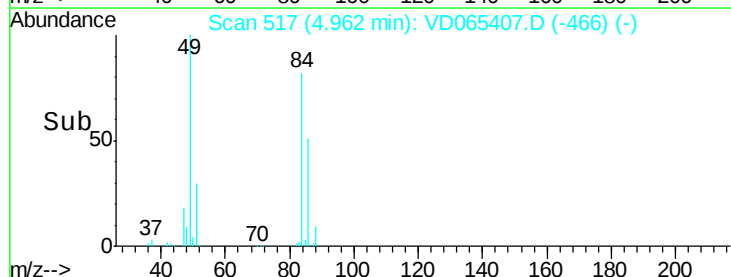
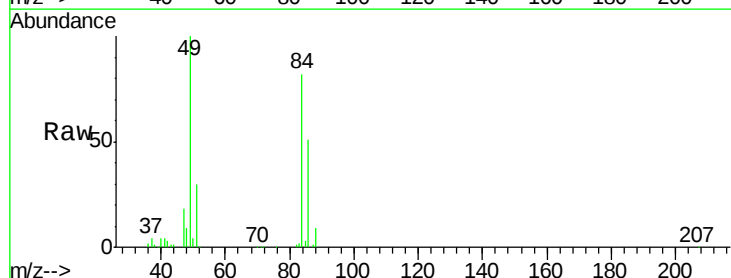
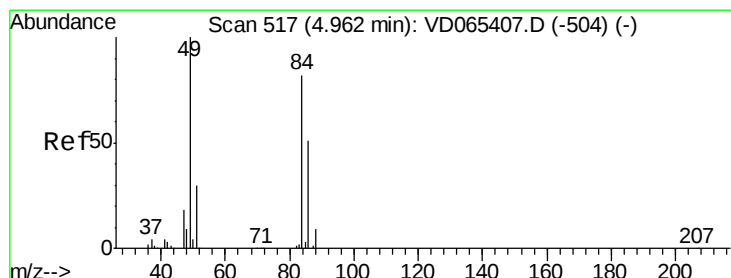
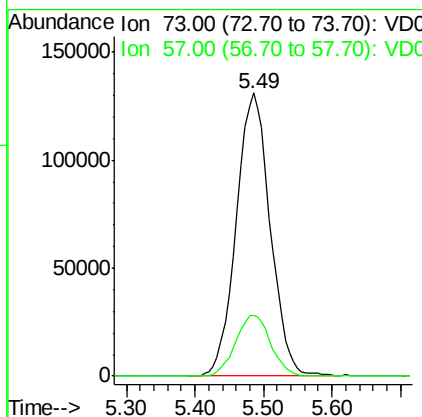
#19
Methyl tert-butyl Ether
Concen: 50.103 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.3	25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

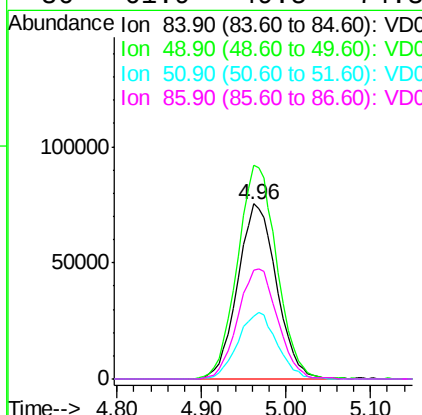
Manual Integrations
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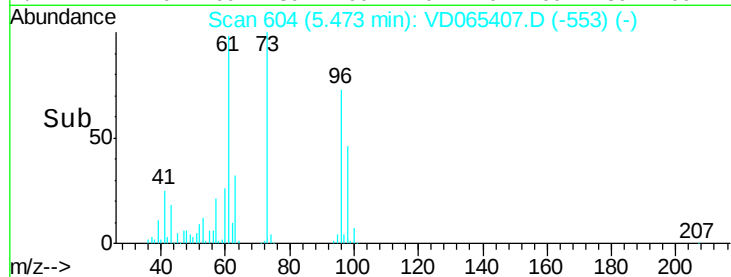
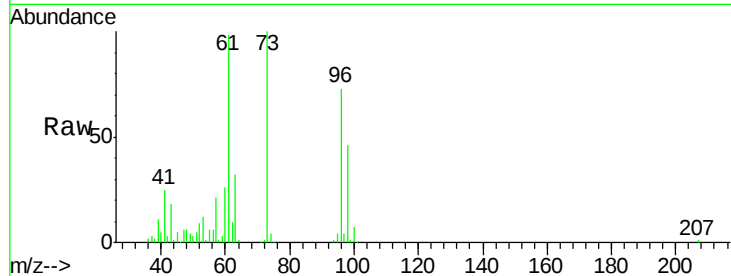
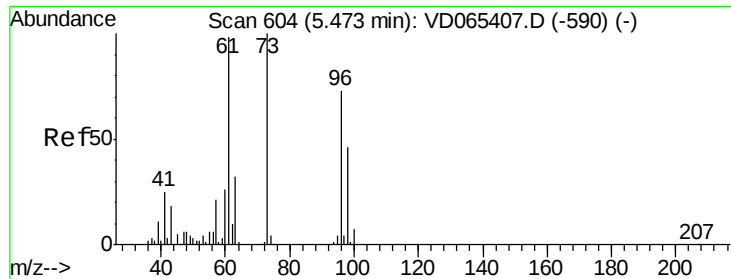
MMDadoda
3/5/2020 1:38:31 PM



#20
Methylene Chloride
Concen: 50.828 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	97.7	146.5
51	36.0	28.8	43.2
86	61.9	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 49.289 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tot Ion:	96	Resp:	256953
Ion	Ratio	Lower	Upper
96	100		
61	132.9	106.3	159.5
98	62.8	50.2	75.4

Instrument :

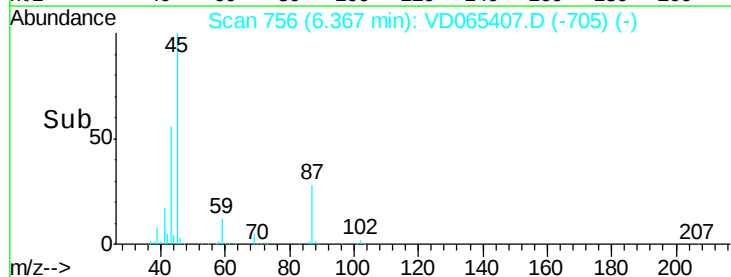
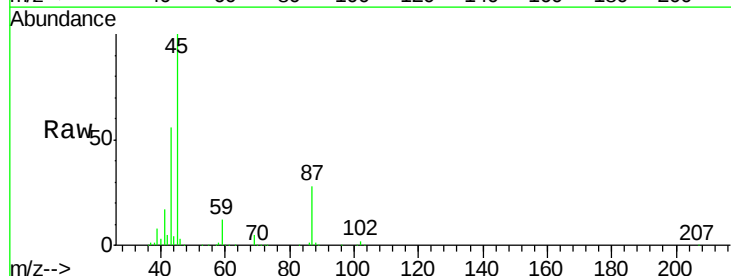
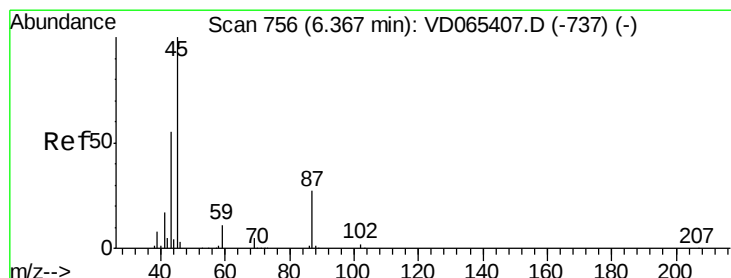
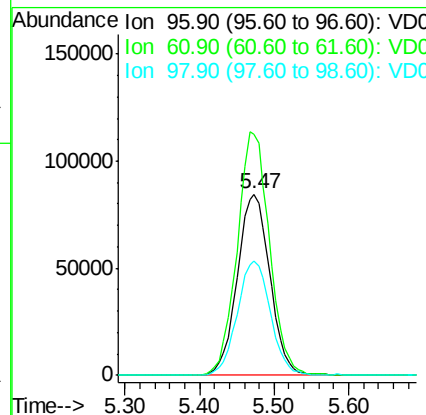
MSVOA_D

ClientSampleId :

VSTDICCC050

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 51.019 ug/l

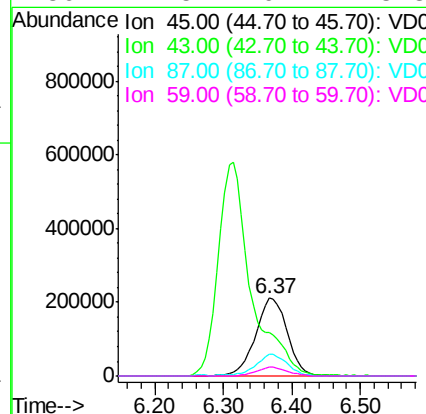
RT: 6.37 min Scan# 756

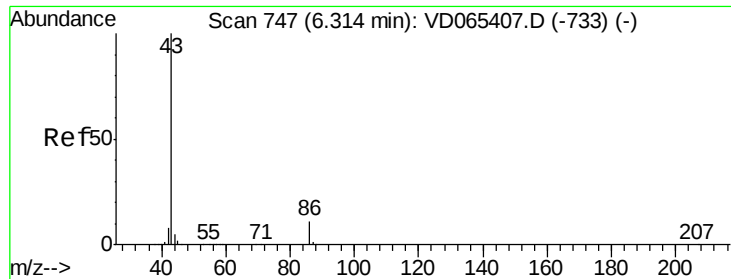
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	45	Resp:	682767
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.4	66.6
87	27.4	21.9	32.9
59	11.5	9.2	13.8





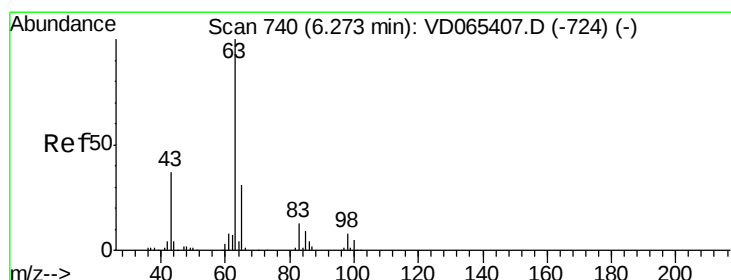
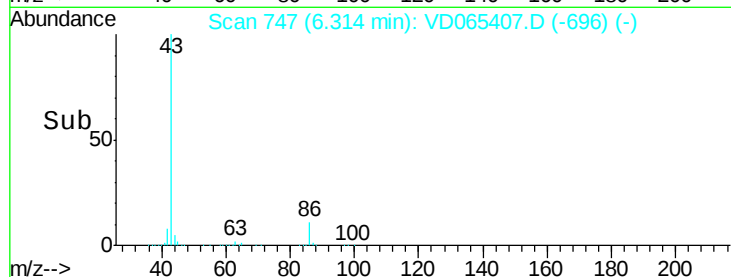
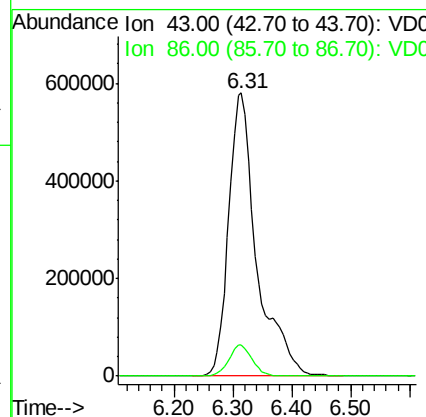
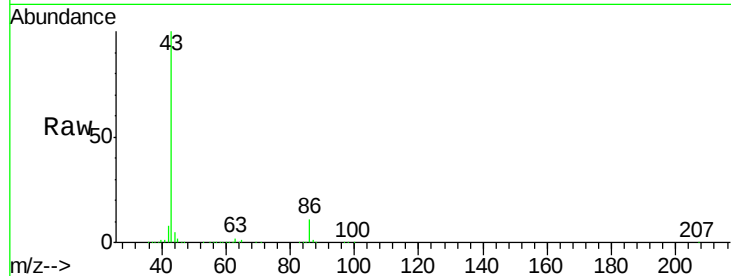
#23
 Vinyl Acetate
 Concen: 259.609 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1929080
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3

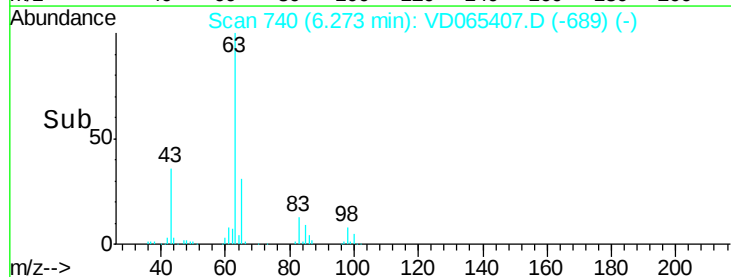
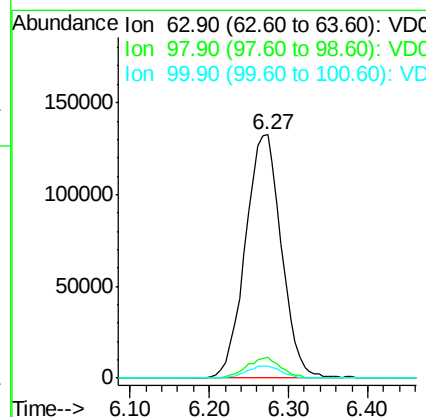
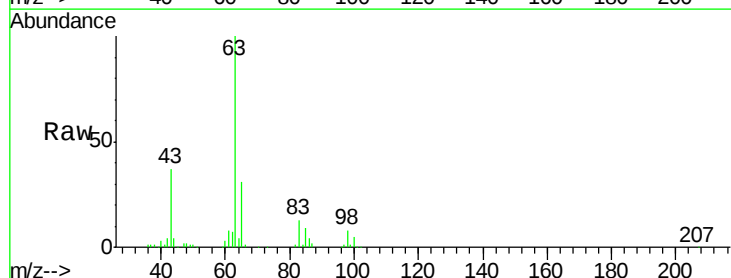
Manual Integrations
 APPROVED

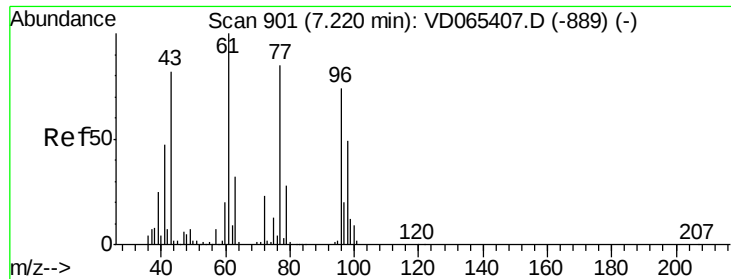
MMDadoda
 3/5/2020 1:38:31 PM



#24
 1,1-Dichloroethane
 Concen: 48.795 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 63 Resp: 418846
 Ion Ratio Lower Upper
 63 100
 98 8.4 4.2 12.6
 100 4.8 2.4 7.2





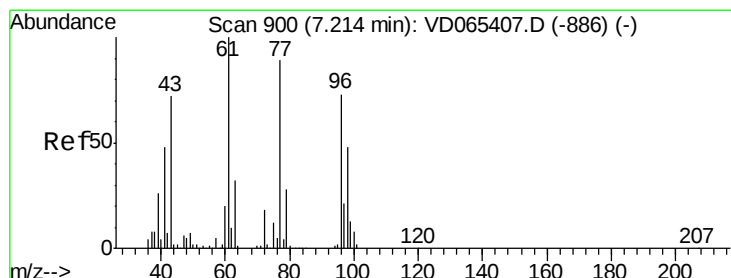
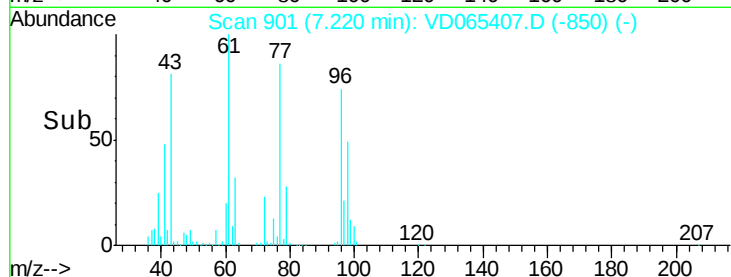
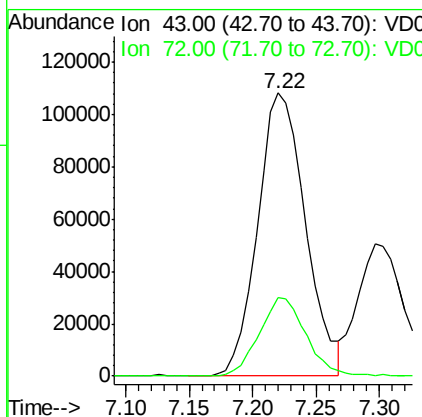
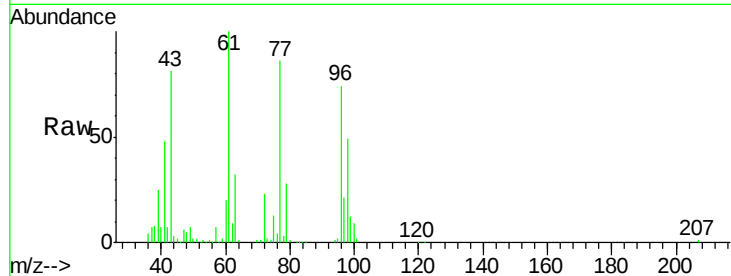
#25
2-Butanone
Concen: 238.639 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 284685
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

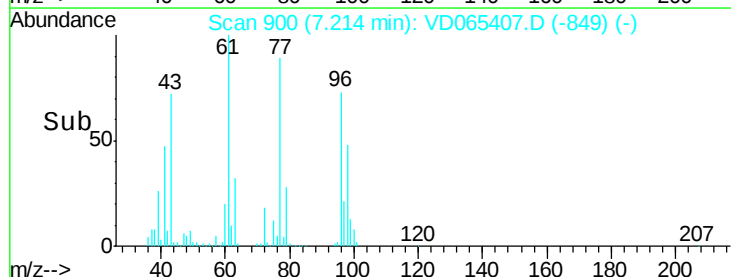
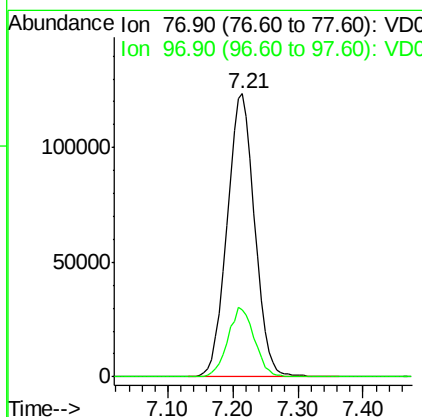
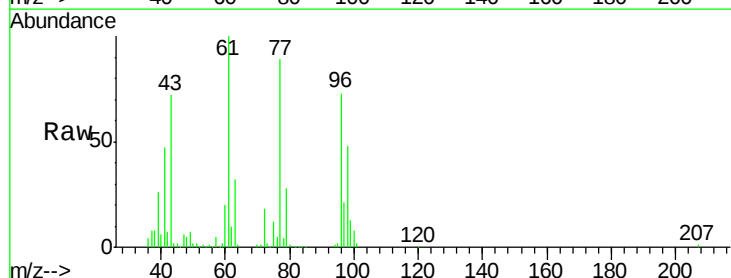
Manual Integrations
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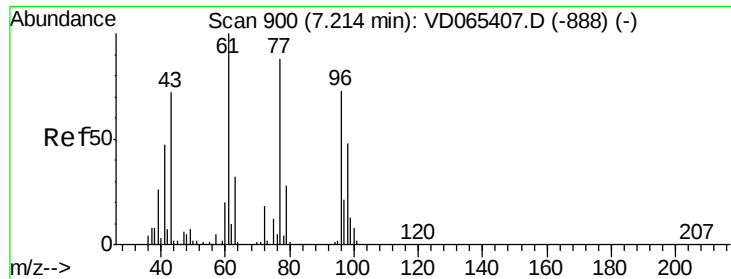
MMDadoda
3/5/2020 1:38:31 PM



#26
2,2-Dichloropropane
Concen: 48.250 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 77 Resp: 361935
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 49.957 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

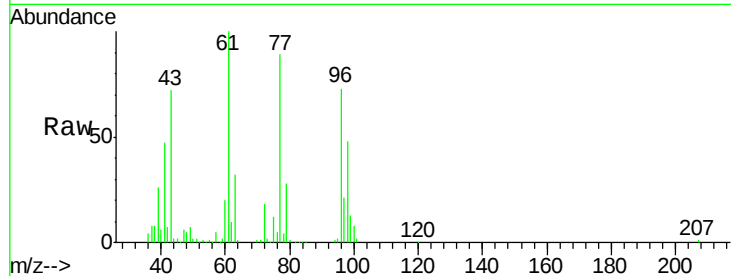
ClientSampleId :

VSTDICCC050

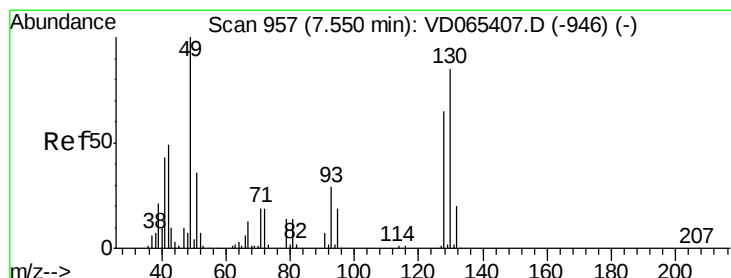
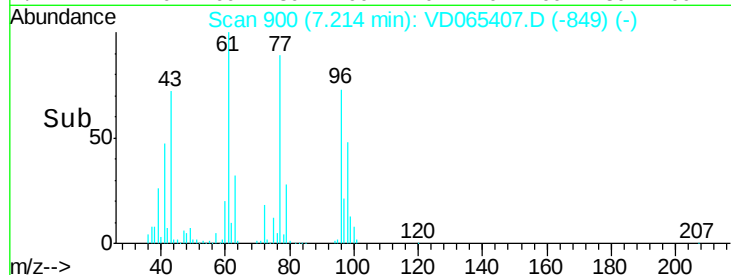
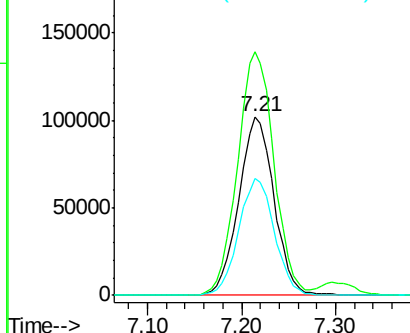
Tot Ion:	96	Resp:	266204
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	280.4
98	66.3	0.0	132.6

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



#28

Bromochloromethane

Concen: 48.436 ug/l

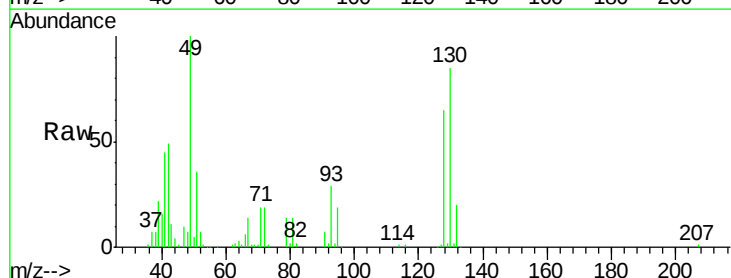
RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

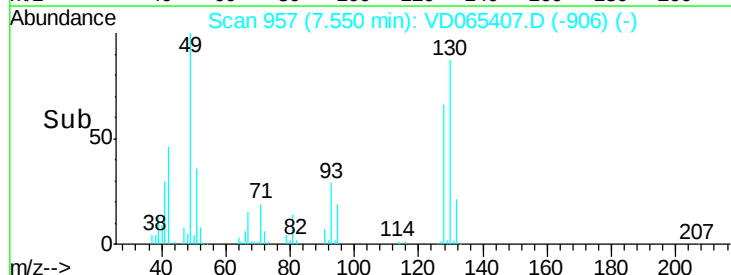
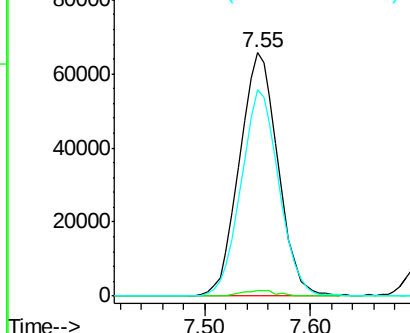
Lab File: VD065407.D

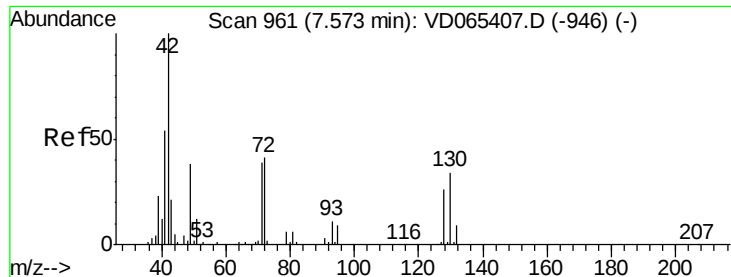
Acq: 04 Mar 2020 12:00

Tgt Ion:	49	Resp:	166343
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	83.3	66.6	100.0



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





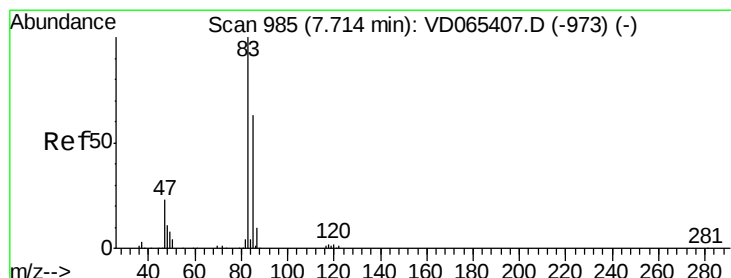
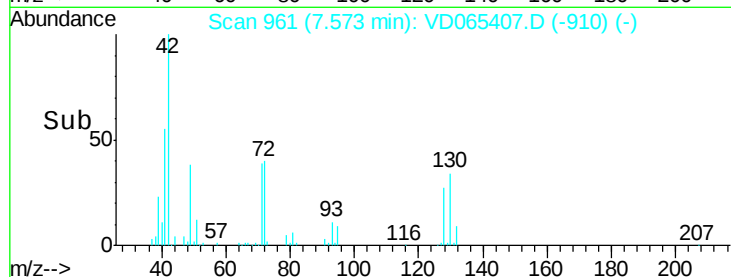
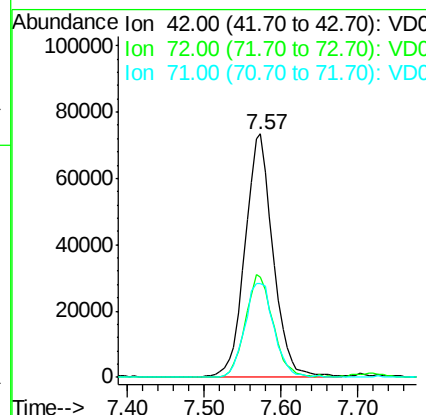
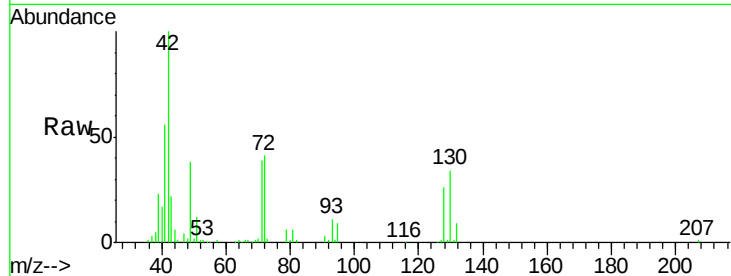
#29
Tetrahydrofuran
Concen: 246.908 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.0	49.6
71	40.0	32.0	48.0

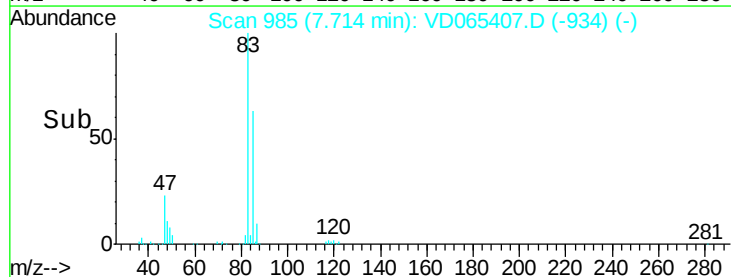
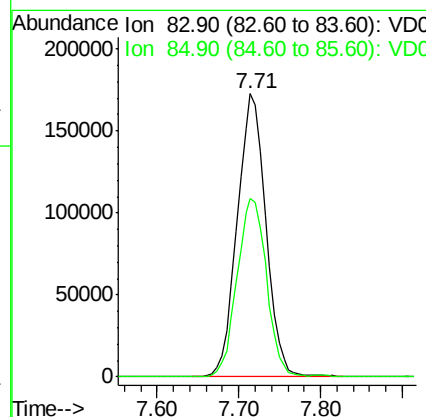
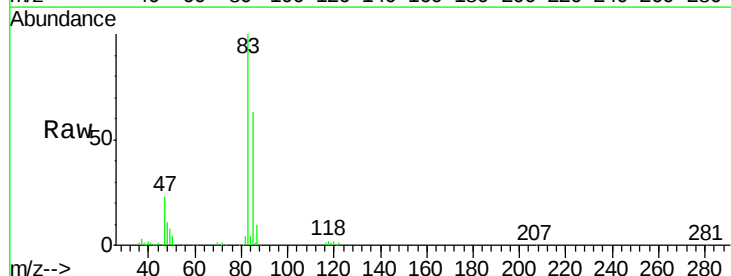
Manual Integrations
APPROVED

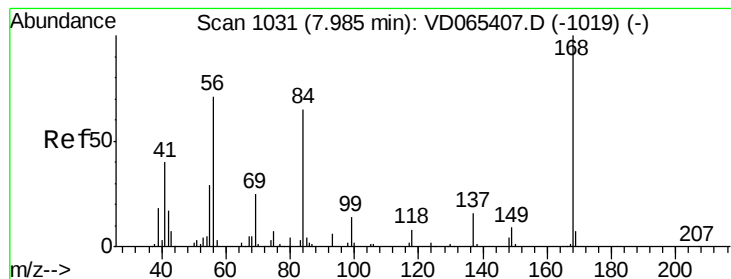
MMDadoda
3/5/2020 1:38:31 PM



#30
Chloroform
Concen: 49.116 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5





#31

Cvclohexane

Concen: 47.821 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

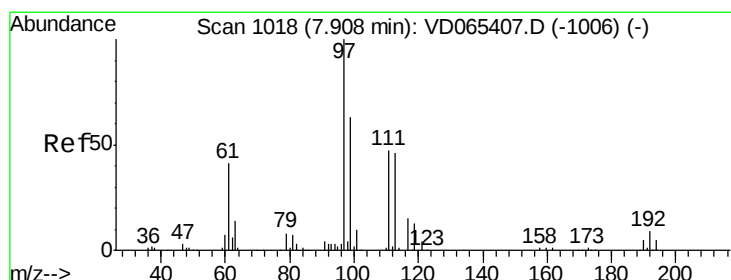
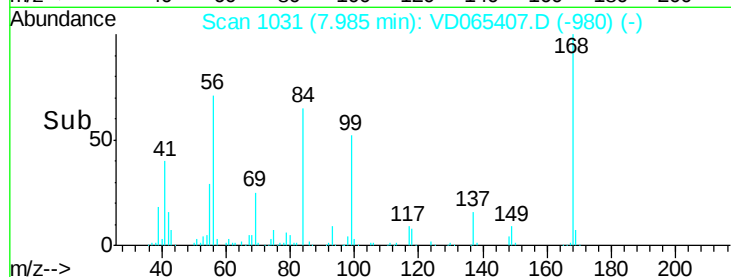
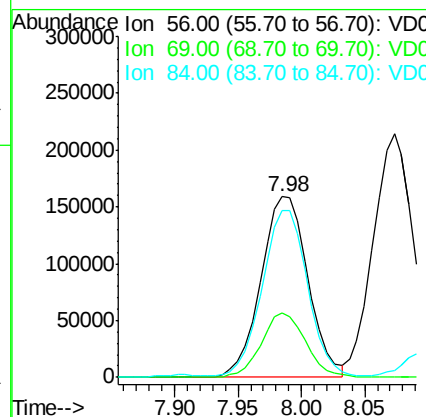
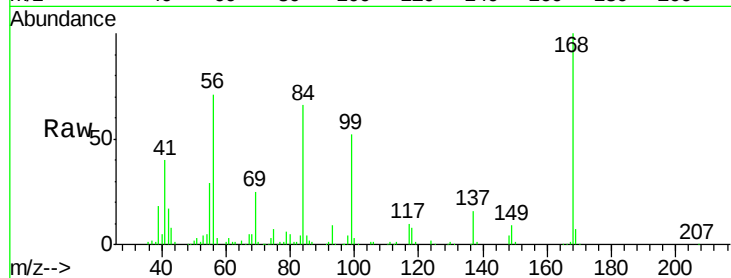
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	410463
Ion Ratio	Lower	Upper	
56	100		
69	35.4	28.3	42.5
84	91.4	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.903 ug/l

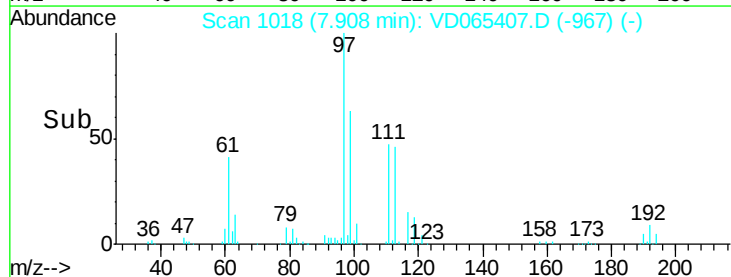
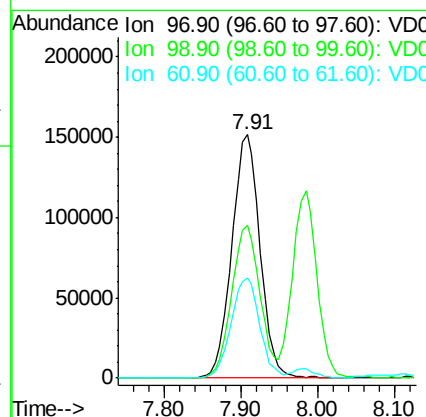
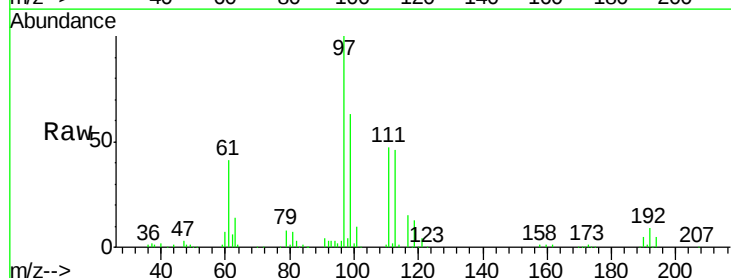
RT: 7.91 min Scan# 1018

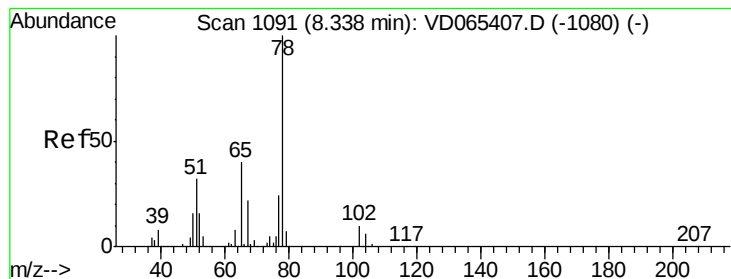
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	97	Resp:	387736
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.9	76.3
61	41.5	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 48.390 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 209166

Ion Ratio Lower Upper

65 100

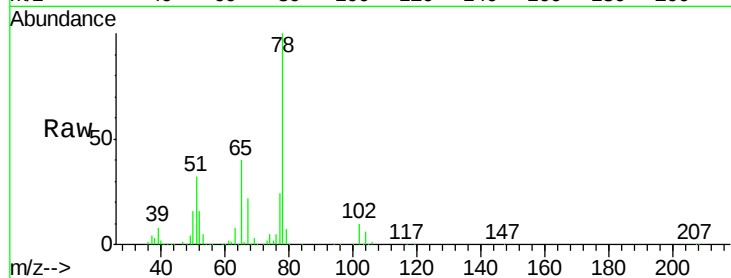
67 54.0 0.0 108.0

Manual Integrations

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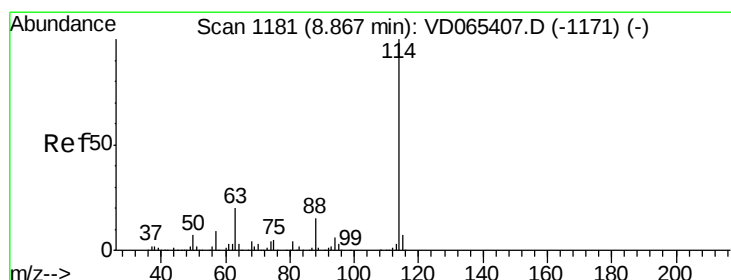
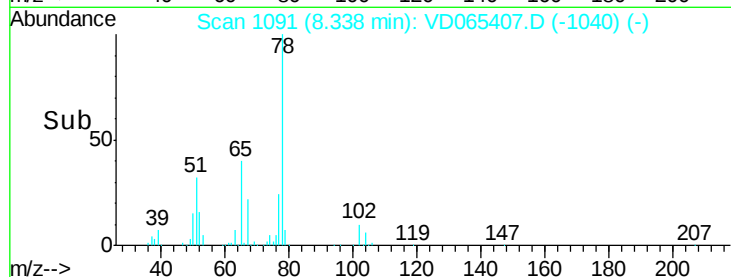
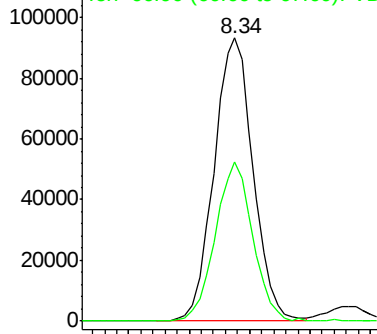
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

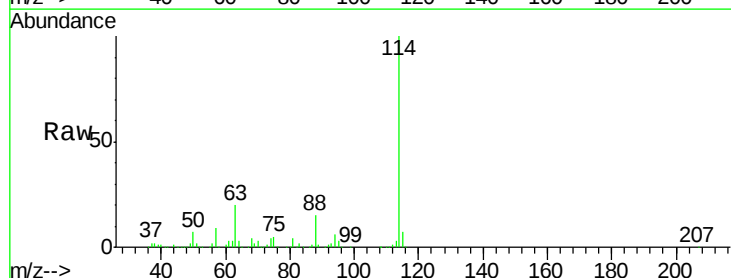
Tgt Ion: 114 Resp: 719223

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

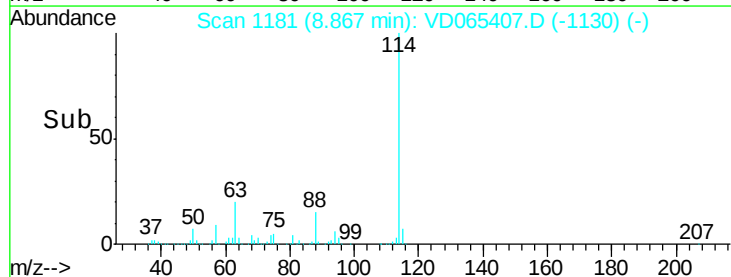
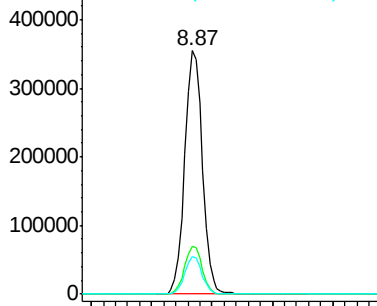
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





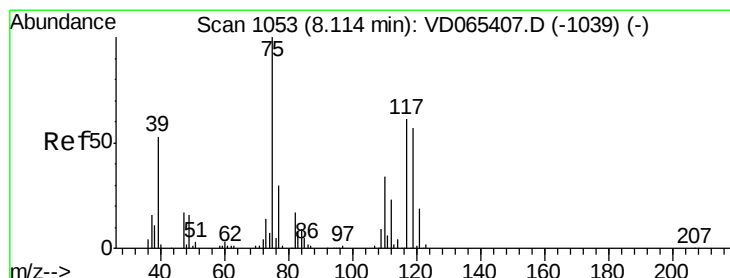
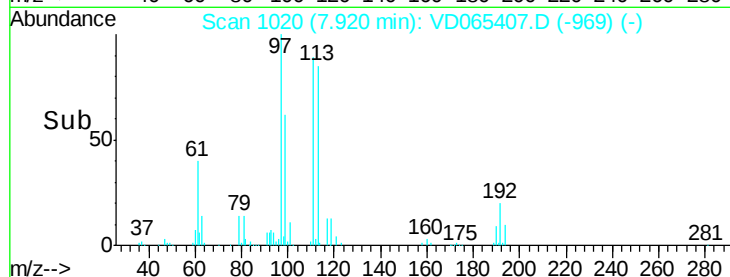
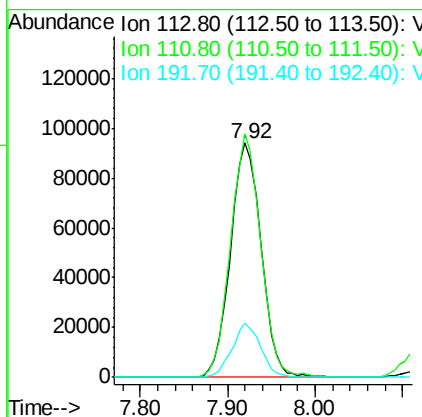
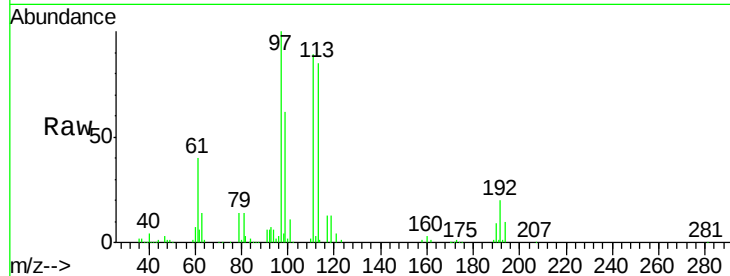
#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	21.5	17.2	25.8

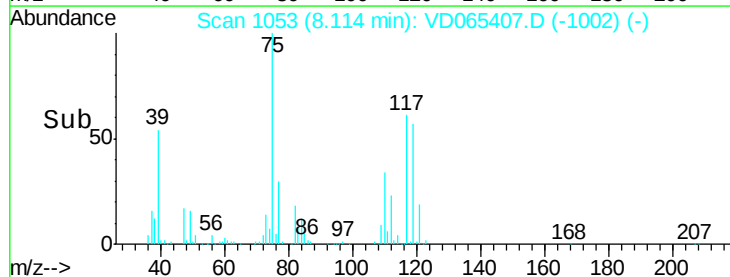
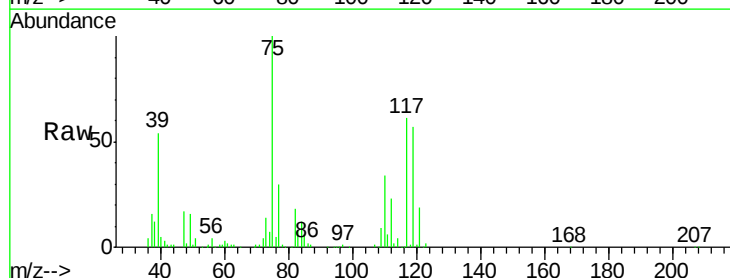
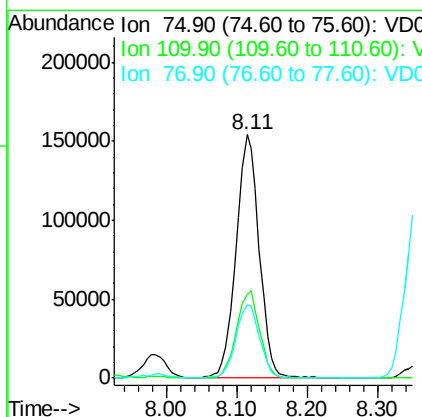
Manual Integrations
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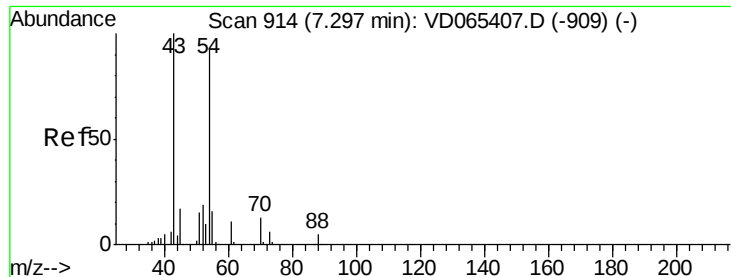
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#36
1,1-Dichloropropene
Concen: 50.715 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.5	25.2	37.8





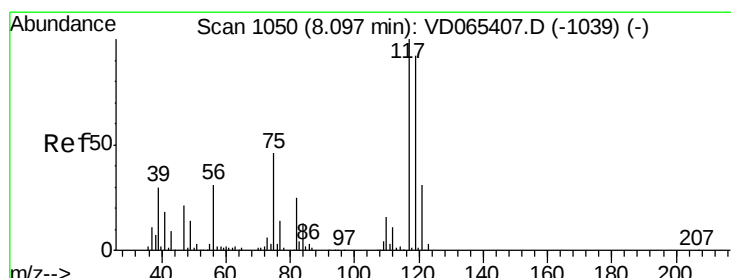
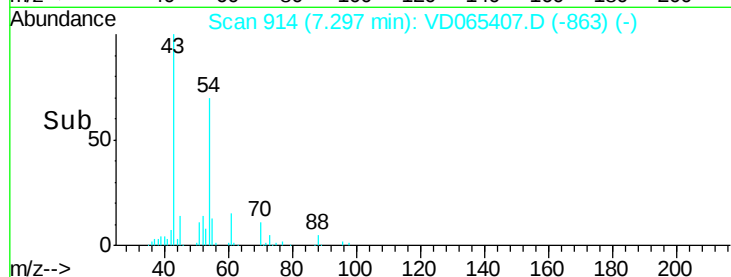
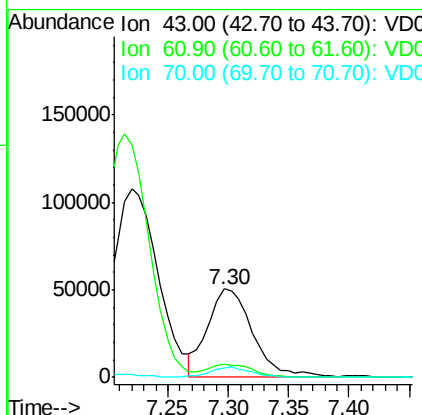
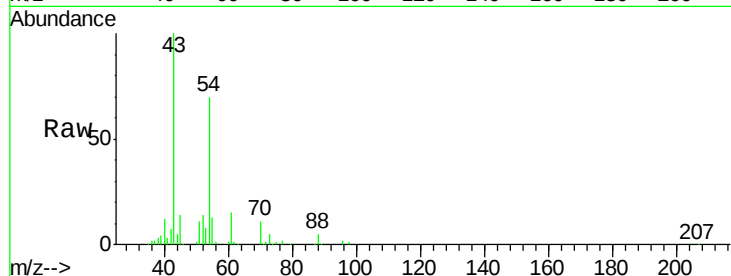
#37
Ethyl Acetate
Concen: 48.418 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.2	9.0	13.4

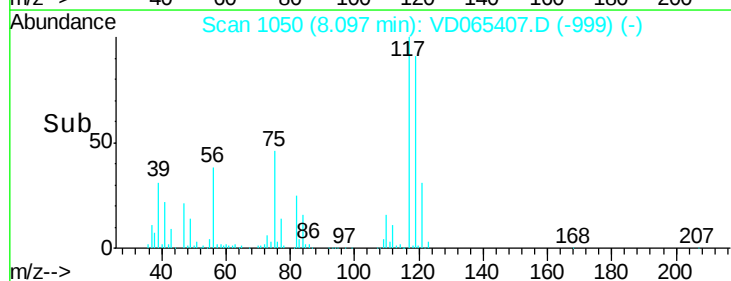
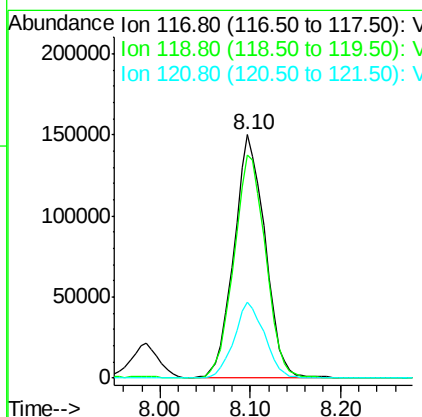
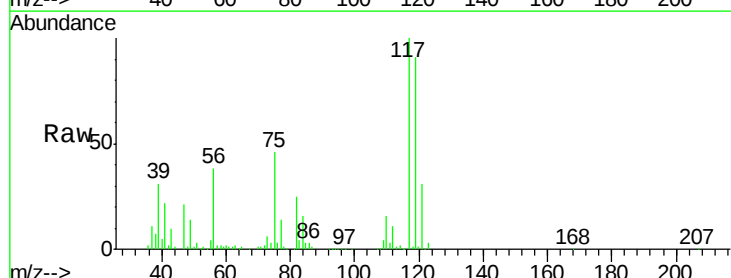
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#38
Carbon Tetrachloride
Concen: 49.769 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	73.3	109.9
121	31.2	25.0	37.4





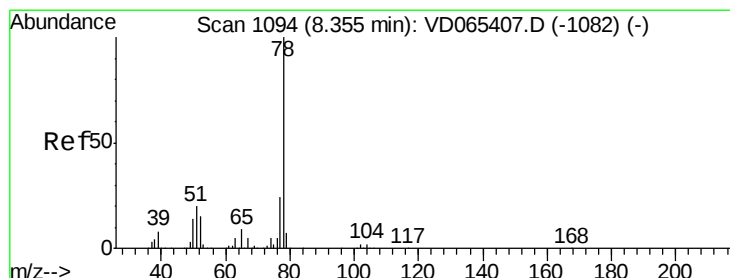
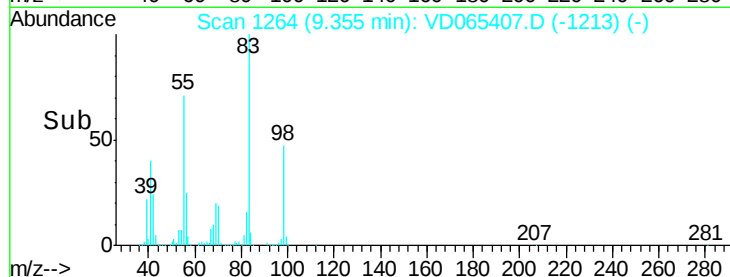
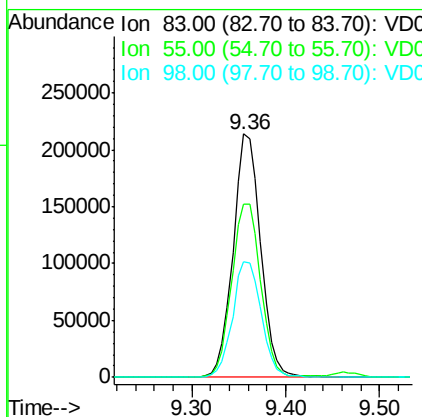
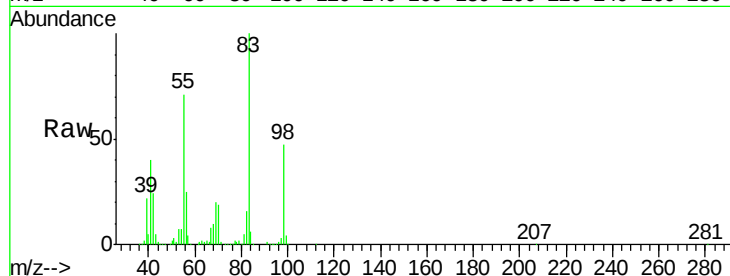
#39
Methylvlcyclohexane
Concen: 52.492 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	57.1	85.7
98	47.3	37.8	56.8

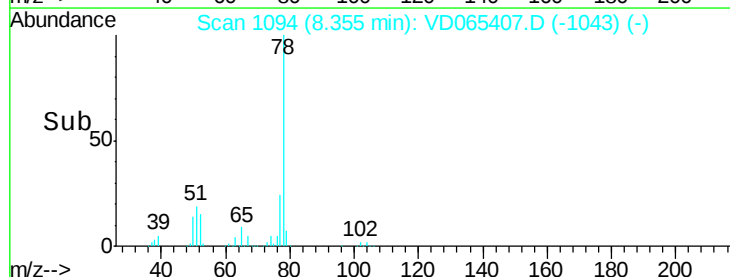
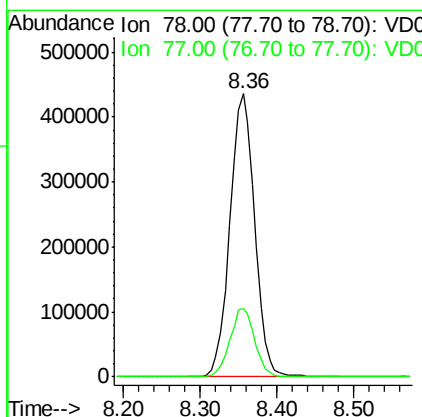
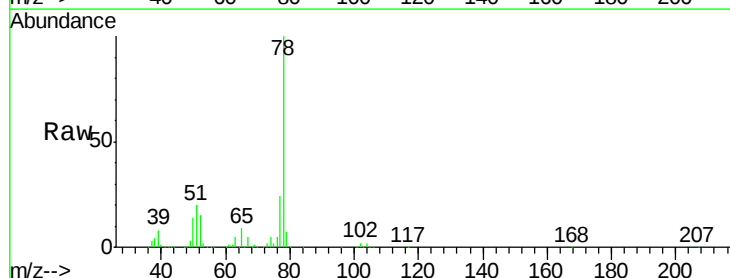
Manual Integrations
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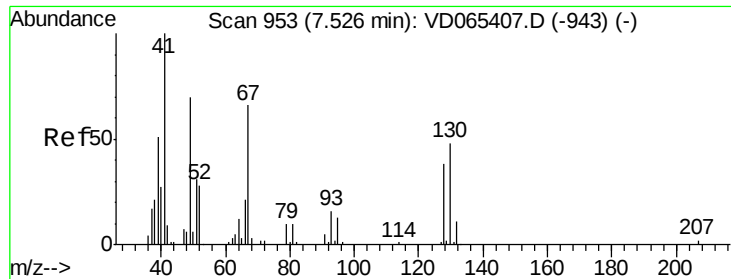
MMDadoda
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#40
Benzene
Concen: 50.907 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 43.339 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 61075

Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.6

67 87.9 70.3 105.5

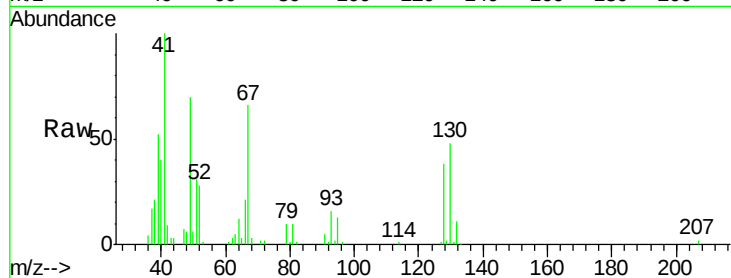
52 38.4 30.7 46.1

Manual Integrations

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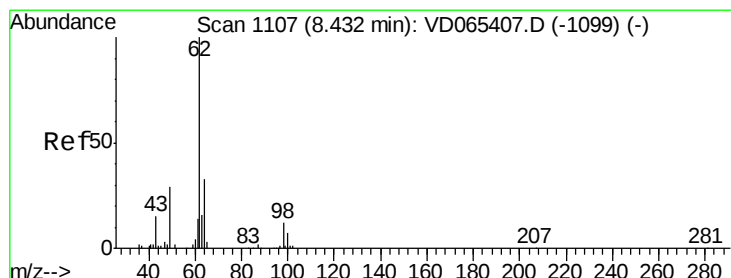
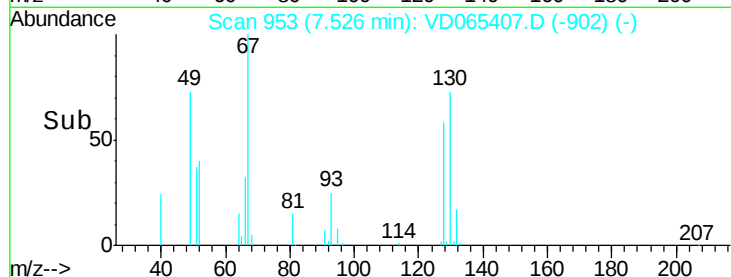
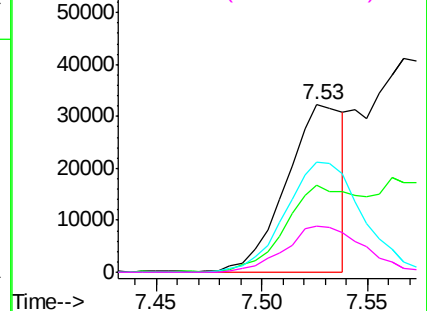


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.130 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065407.D

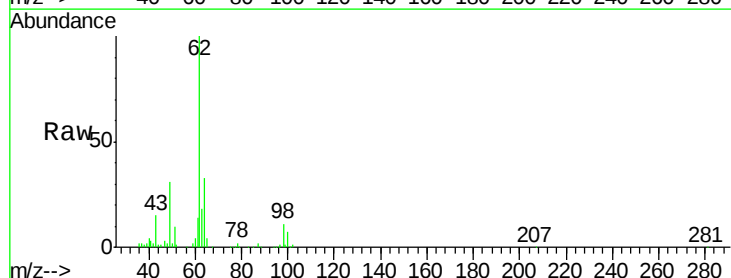
Acq: 04 Mar 2020 12:00

Tgt Ion: 62 Resp: 247293

Ion Ratio Lower Upper

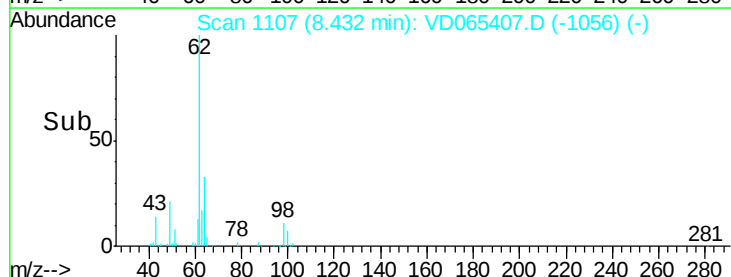
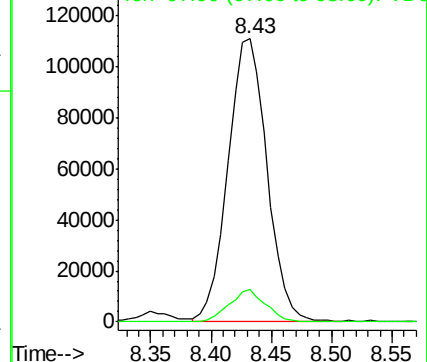
62 100

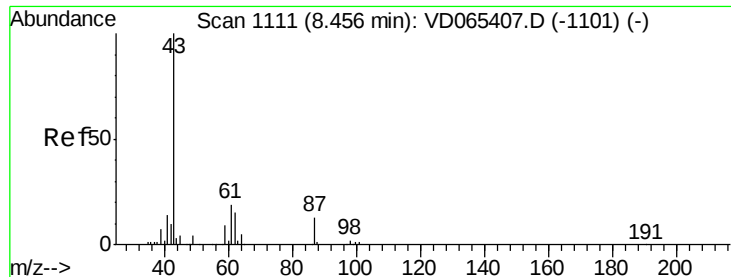
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.840 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

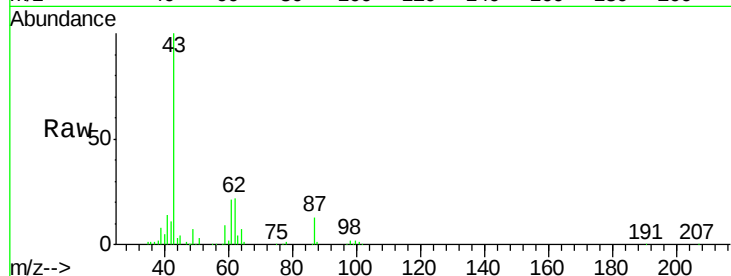
ClientSampleId :

VSTDICCC050

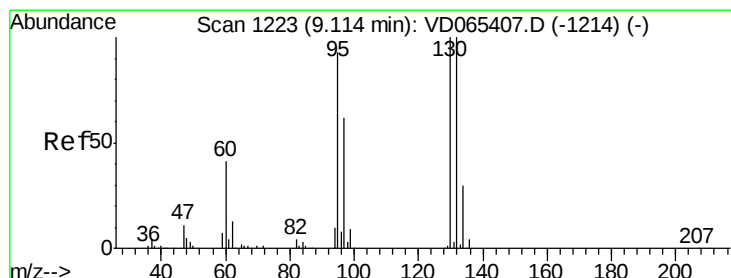
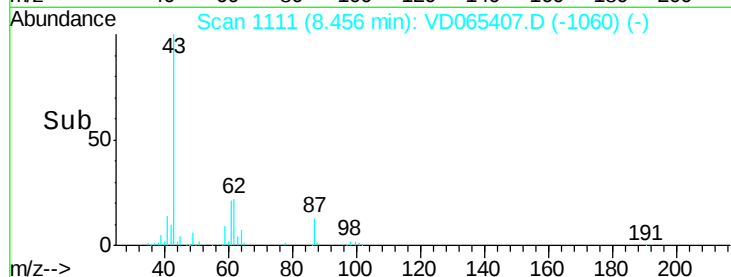
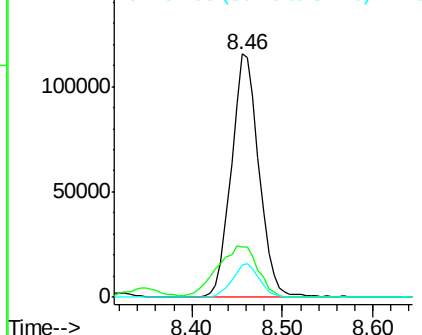
Tot Ion:	43	Resp:	245223
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.6
87	13.7	11.0	16.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.562 ug/l

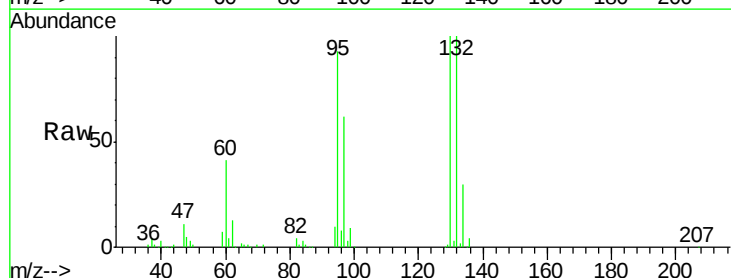
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

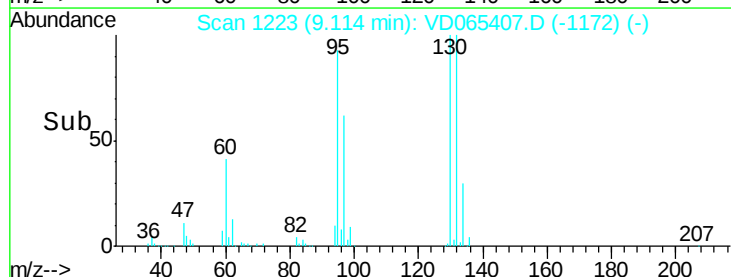
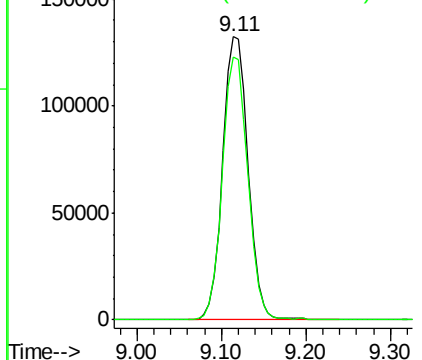
Lab File: VD065407.D

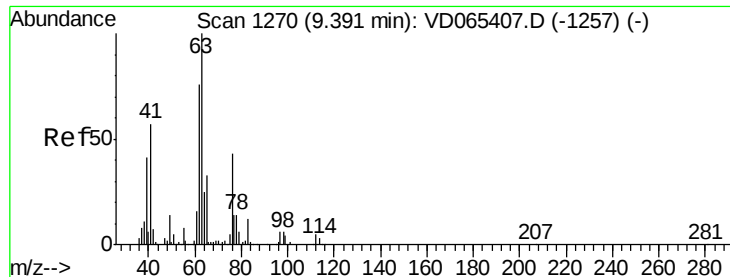
Acq: 04 Mar 2020 12:00

Tgt Ion:	130	Resp:	275241
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.429 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 235467

Ion Ratio Lower Upper

63 100

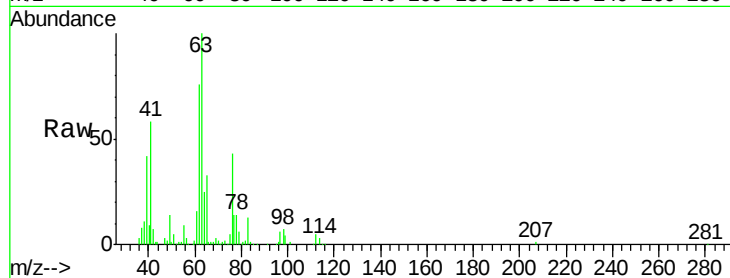
65 33.0 26.4 39.6

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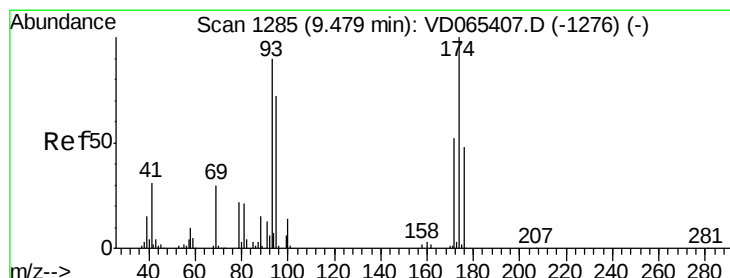
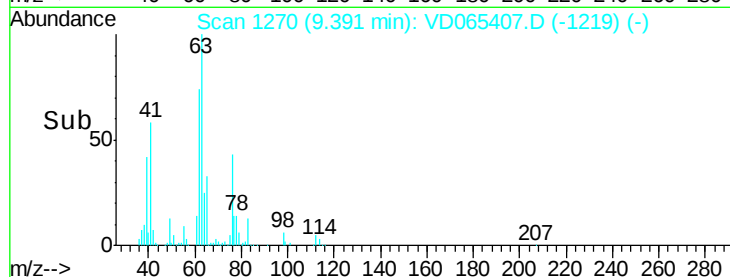
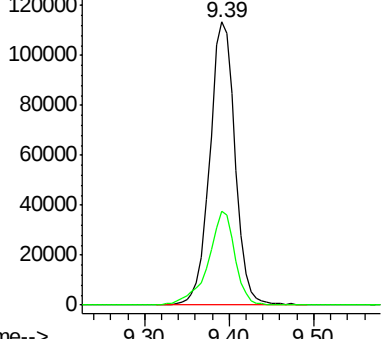
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.610 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

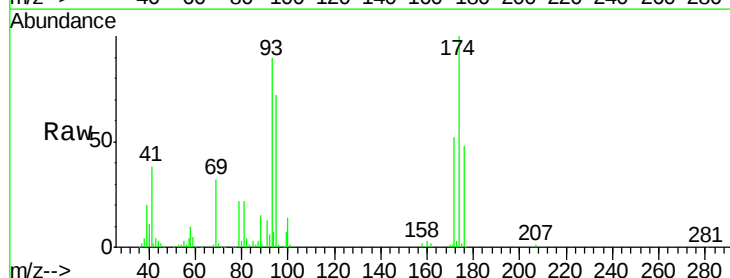
Tgt Ion: 93 Resp: 122576

Ion Ratio Lower Upper

93 100

95 81.3 65.0 97.6

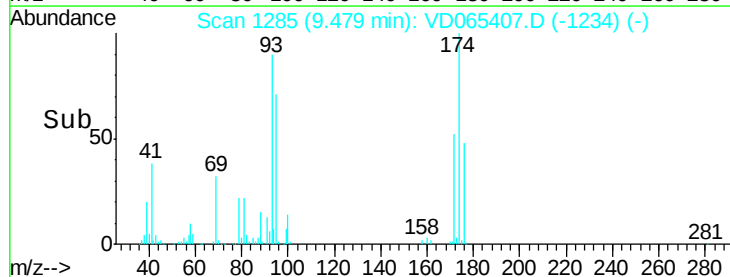
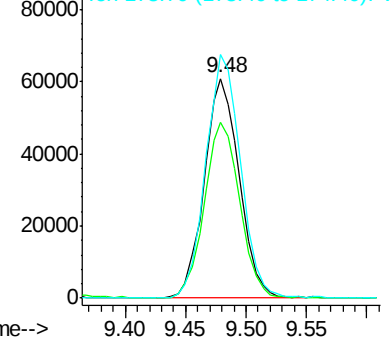
174 110.4 88.3 132.5



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: 50.517 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

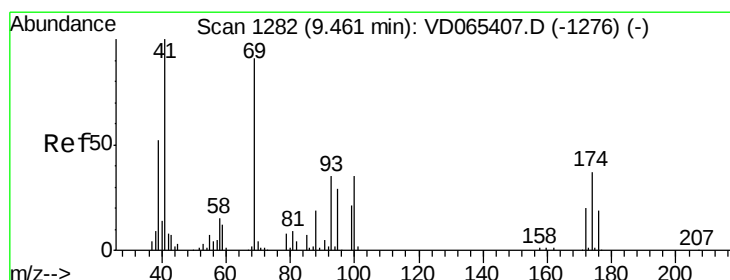
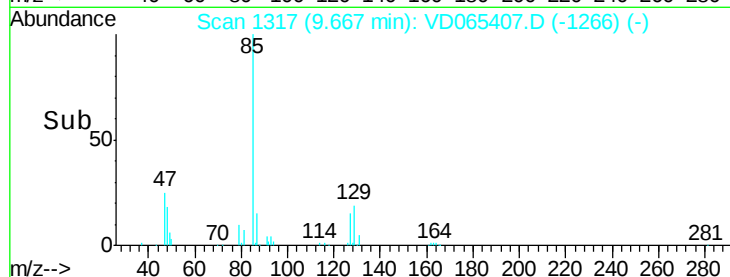
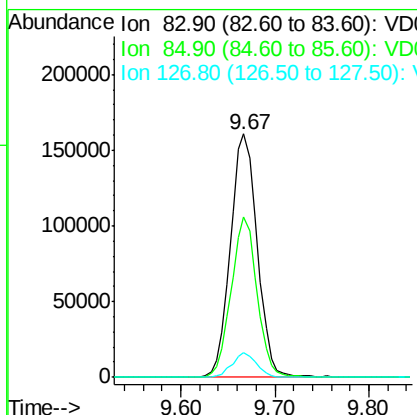
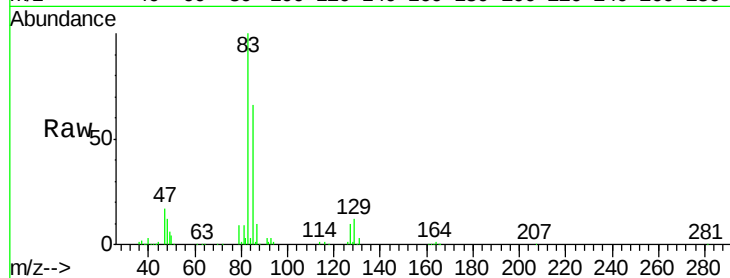
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	318302
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2
127	10.0	8.0	12.0

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#48

Methyl methacrylate

Concen: 49.837 ug/l

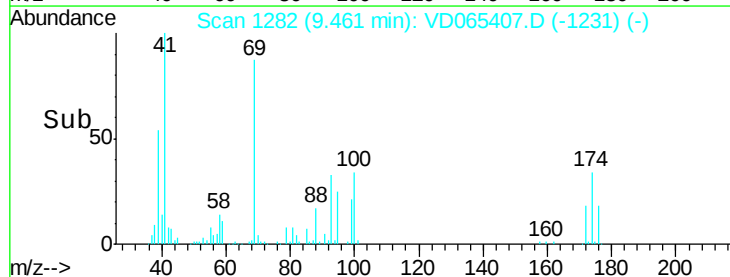
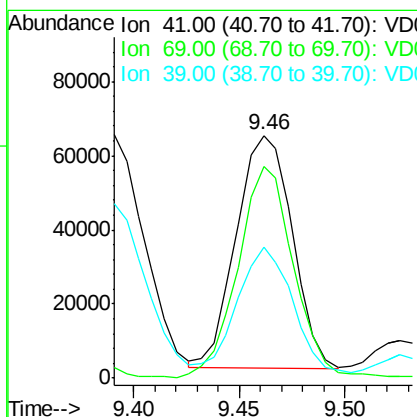
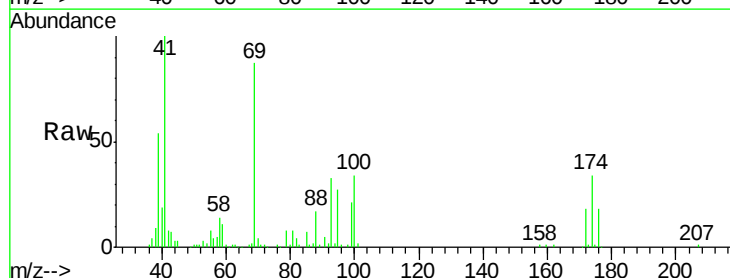
RT: 9.46 min Scan# 1282

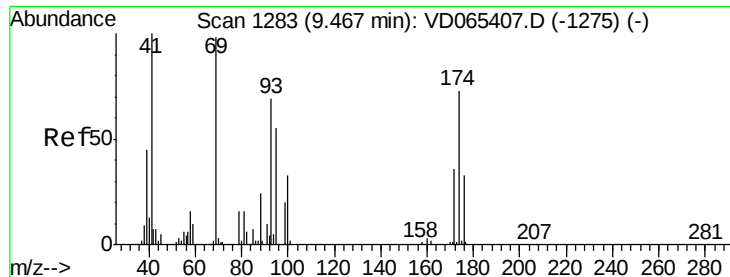
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	41	Resp:	115345
Ion	Ratio	Lower	Upper
41	100		
69	90.6	72.5	108.7
39	52.0	41.6	62.4





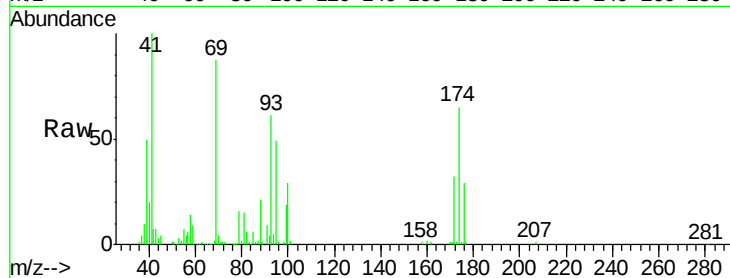
#49
1,4-Dioxane
Concen: 1008.959 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

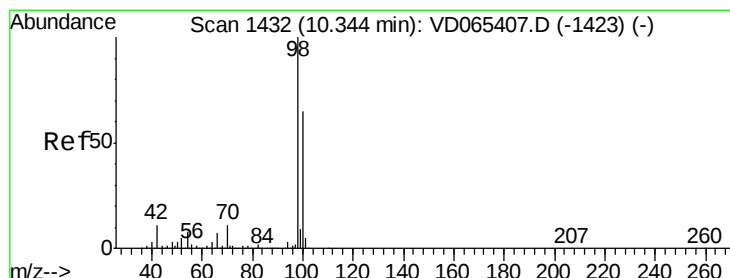
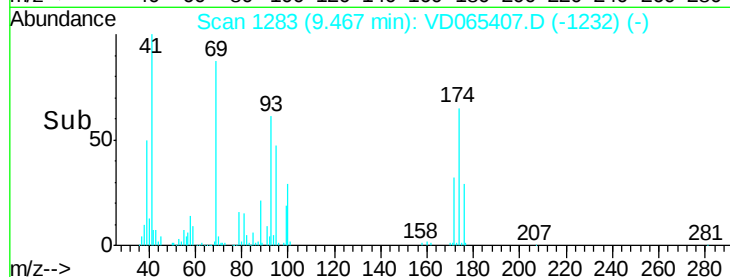
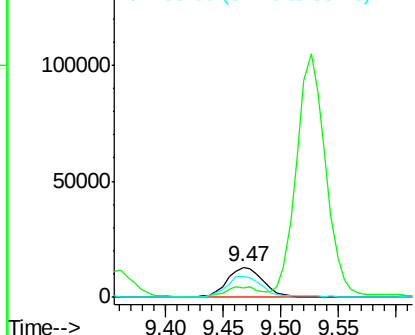
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.5	36.7
58	68.1	54.5	81.7

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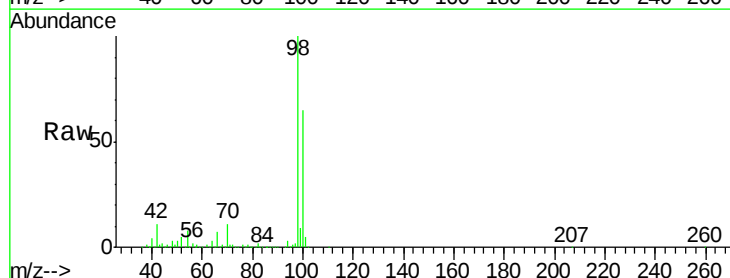


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

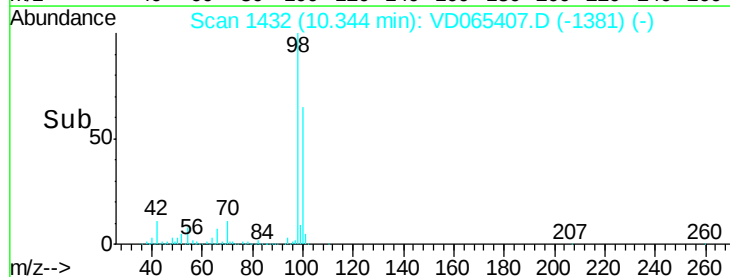
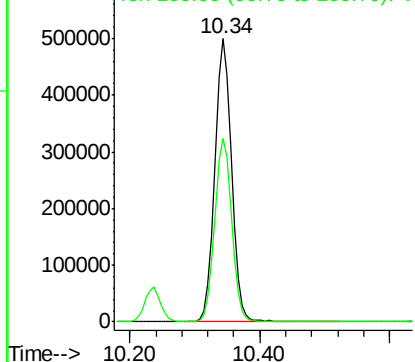


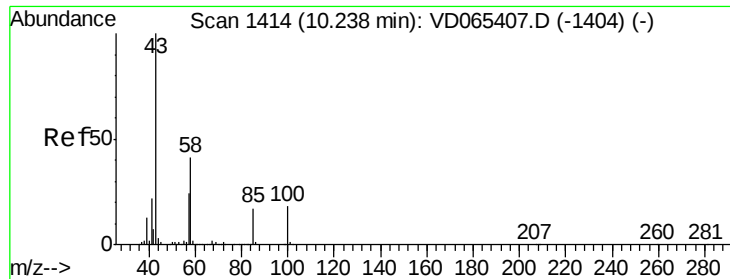
#50
Toluene-d8
Concen: 52.251 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





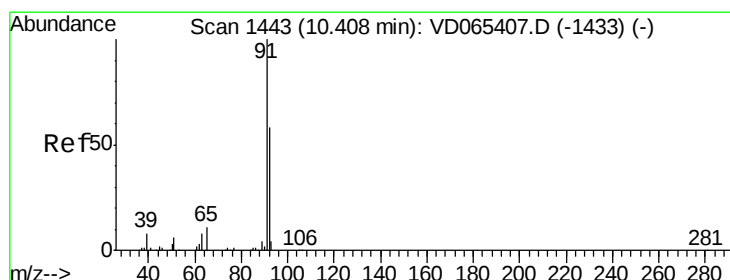
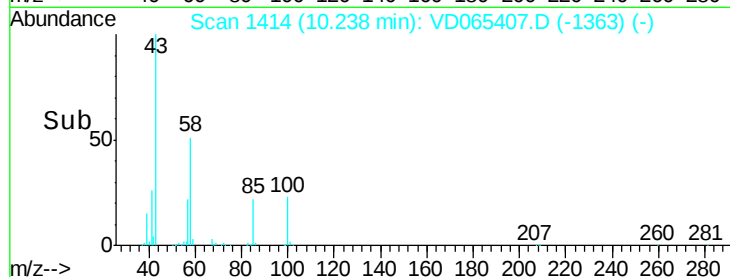
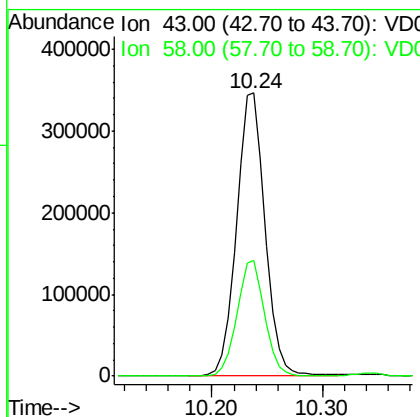
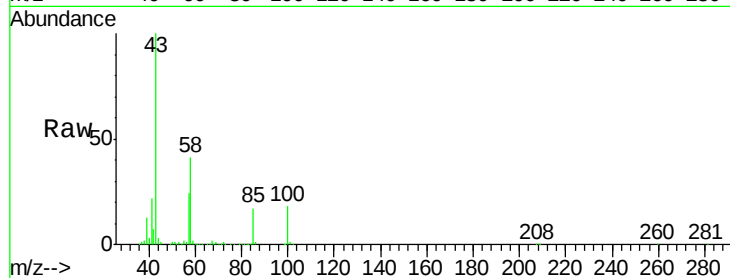
#51
4-Methyl-2-Pentanone
Concen: 254.051 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.8	47.6

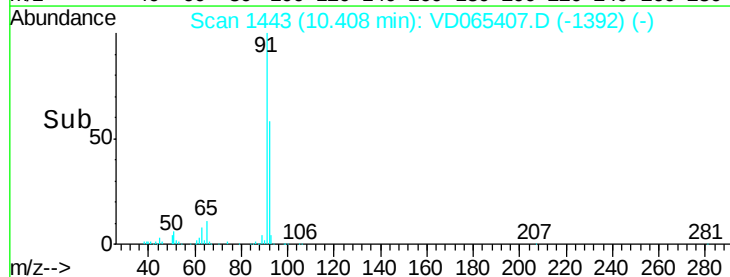
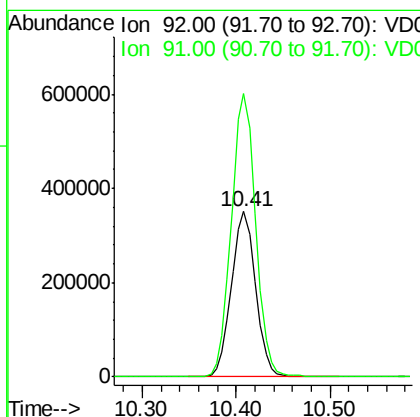
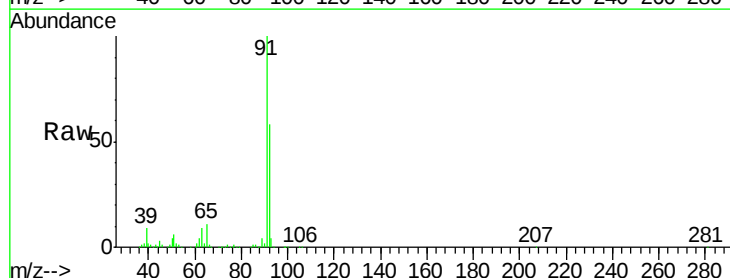
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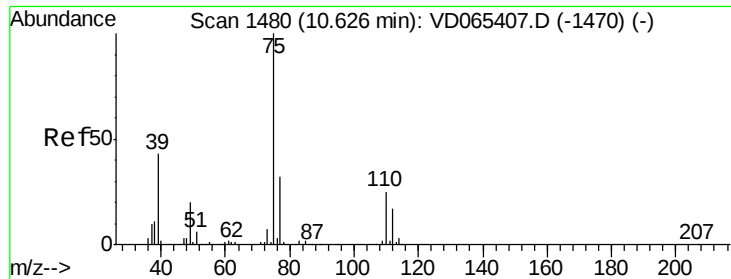
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#52
Toluene
Concen: 51.795 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8





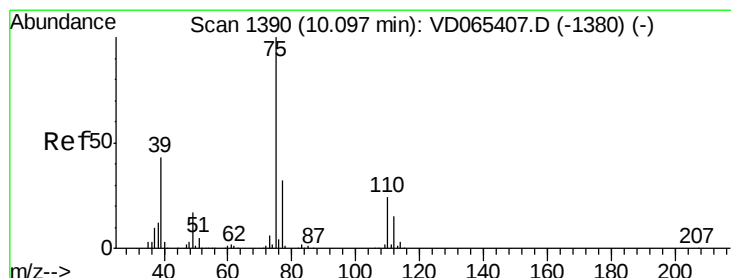
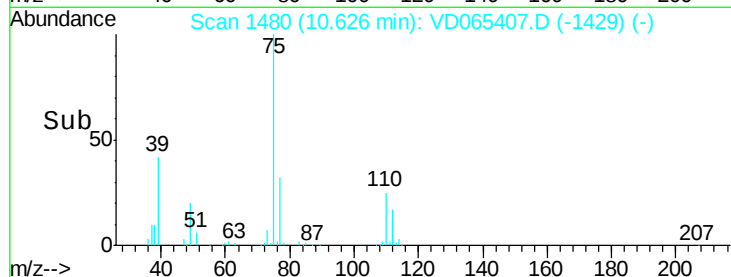
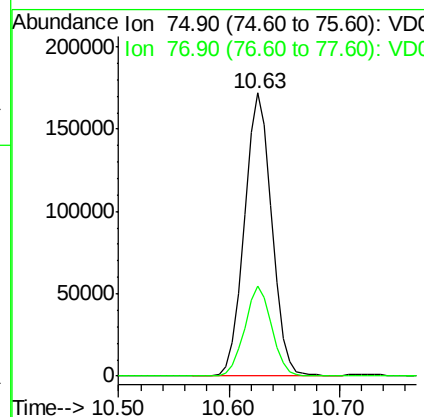
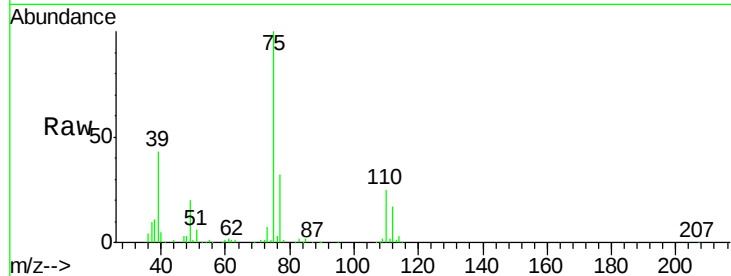
#53
t-1,3-Dichloropropene
Concen: 51.075 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

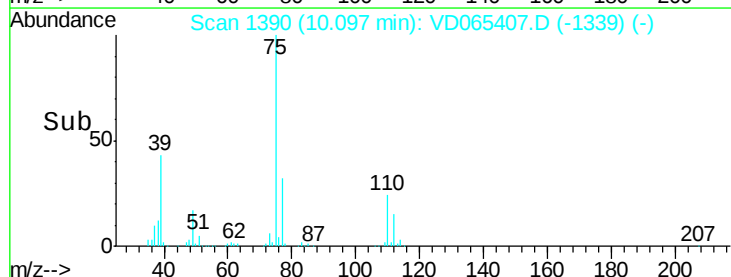
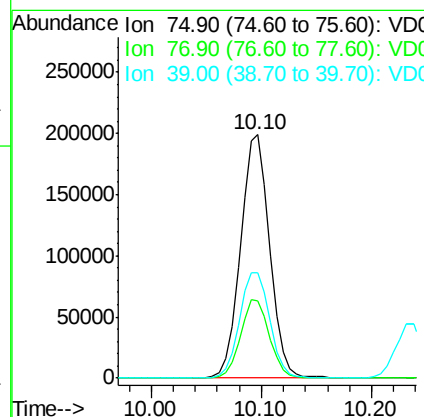
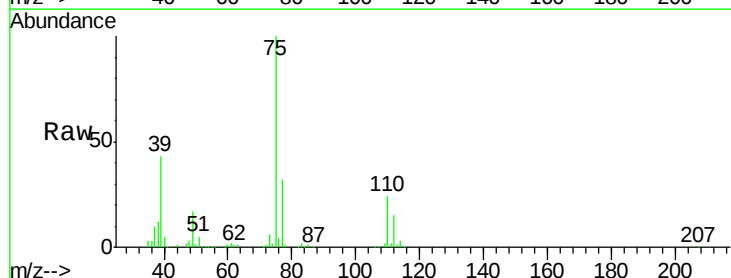
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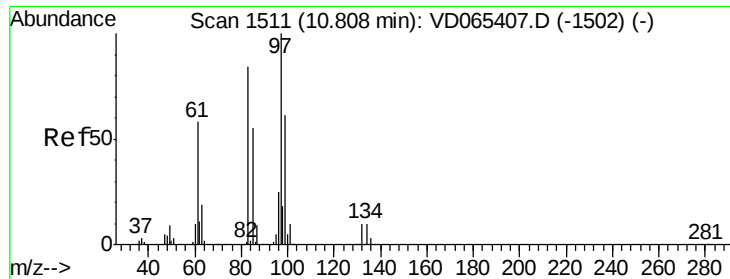
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#54
cis-1,3-Dichloropropene
Concen: 51.651 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	43.3	34.6	52.0





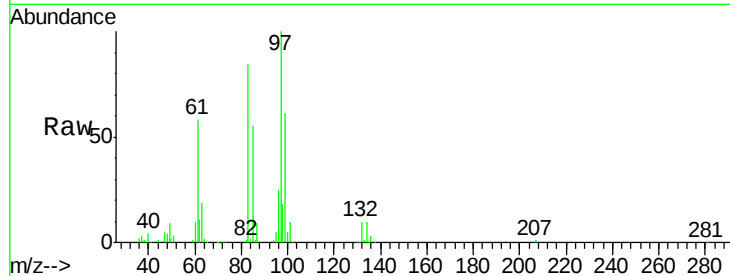
#55
 1,1,2-Trichloroethane
 Concen: 49.237 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

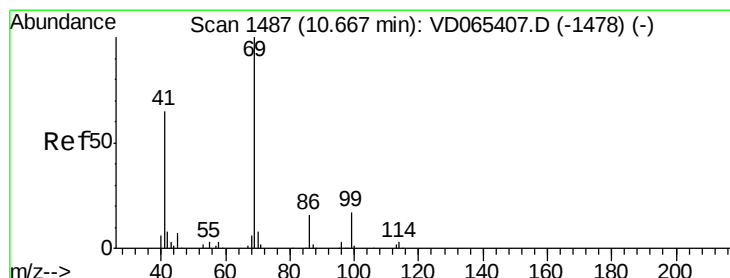
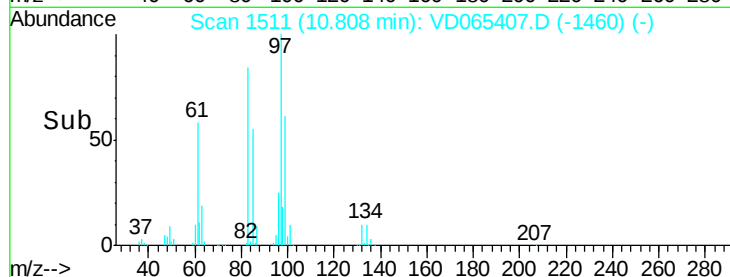
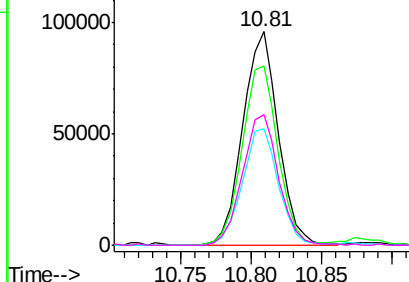
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		168898		
83	84.2	67.4	101.0		
85	54.8	43.8	65.8		
99	61.0	48.8	73.2		

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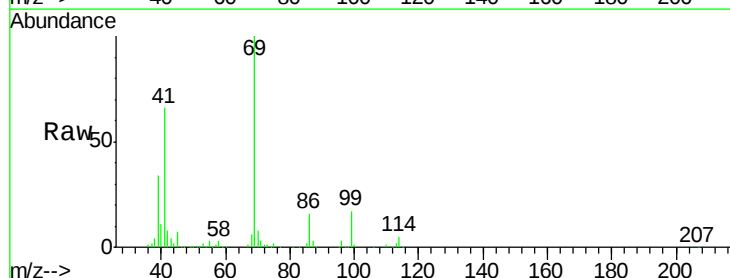


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

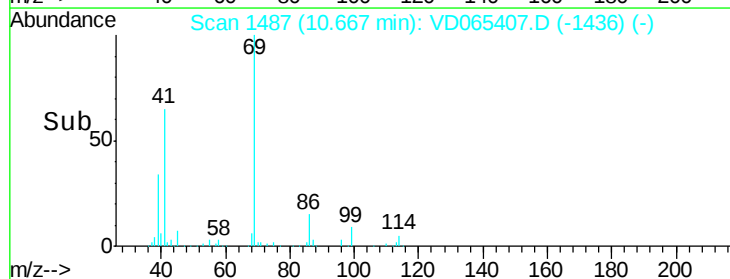
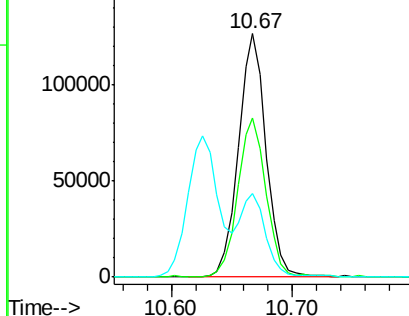


#56
 Ethyl methacrylate
 Concen: 52.366 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		202507		
41	66.3	53.0	79.6		
39	32.5	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





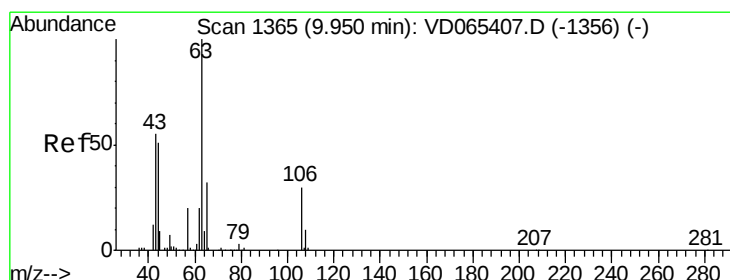
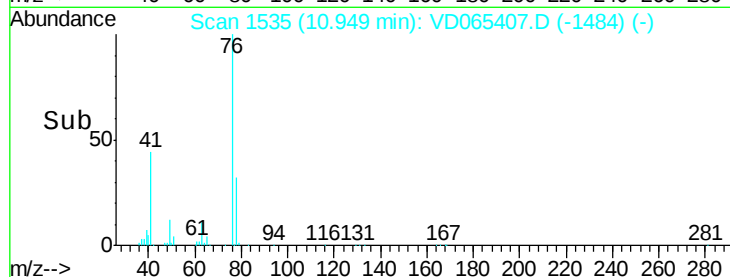
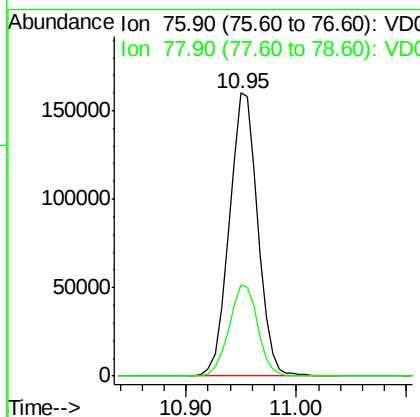
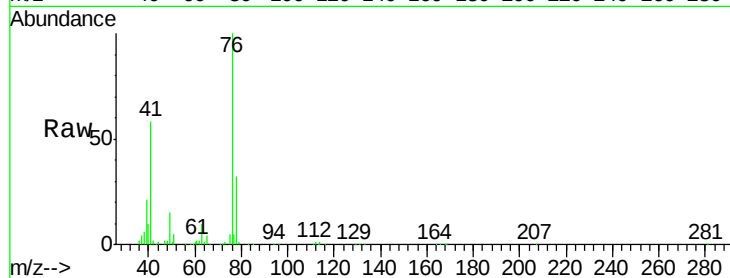
#57
 1,3-Dichloropropane
 Concen: 49.851 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 289339
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

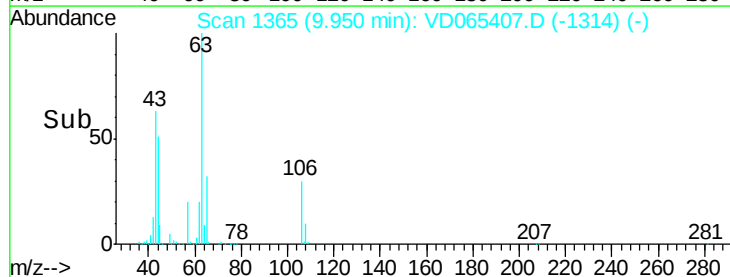
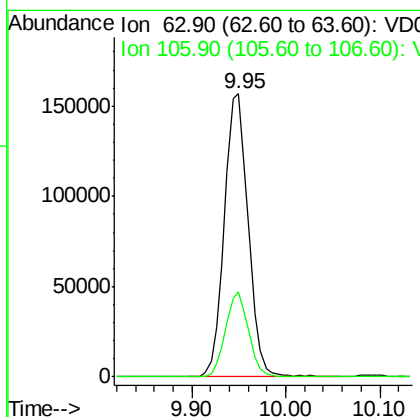
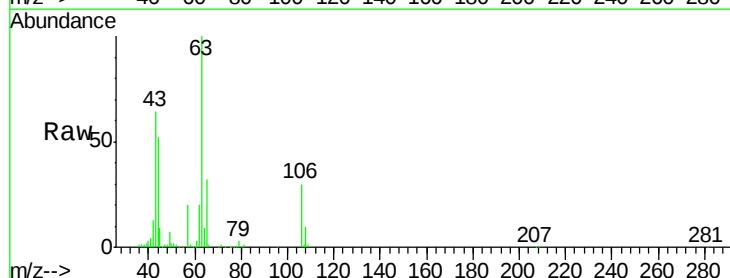
Manual Integrations
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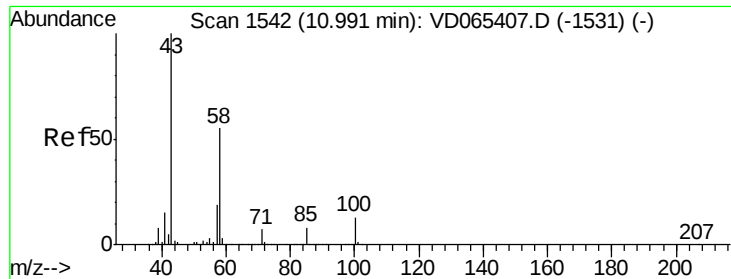
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.978 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 63 Resp: 276532
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





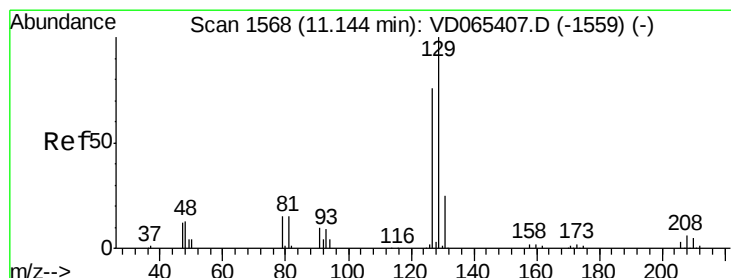
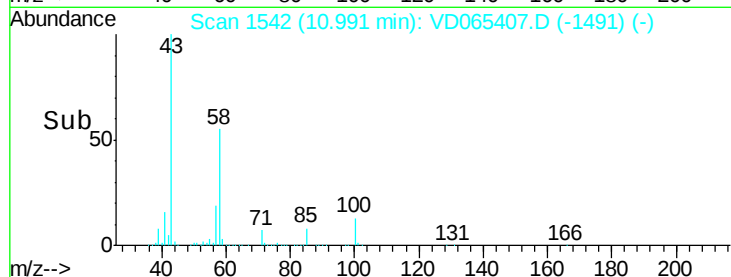
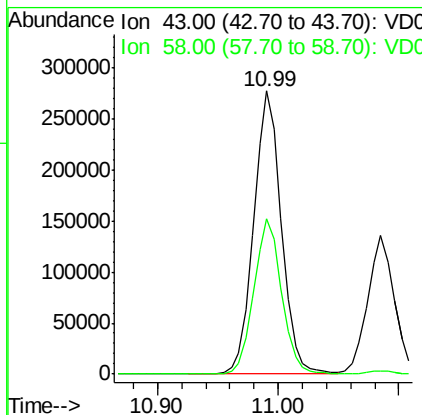
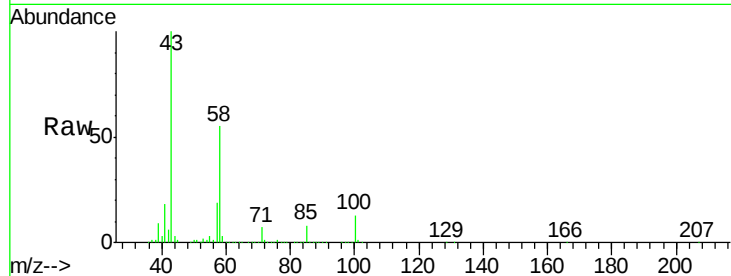
#59
2-Hexanone
Concen: 257.658 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 441617
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.2

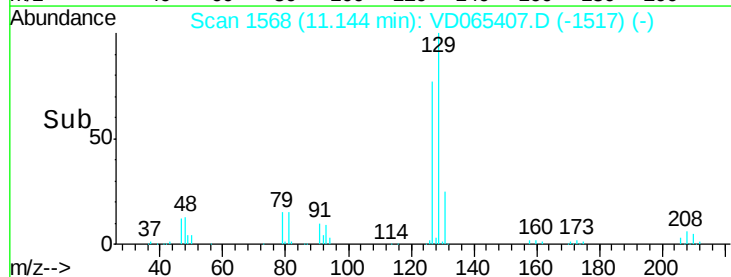
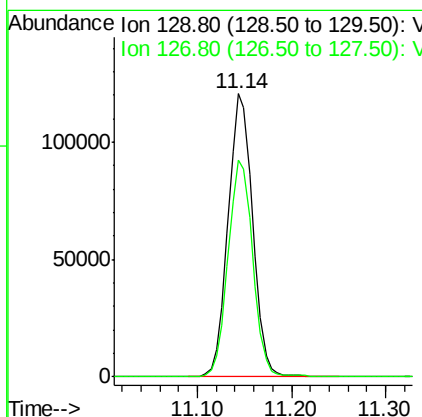
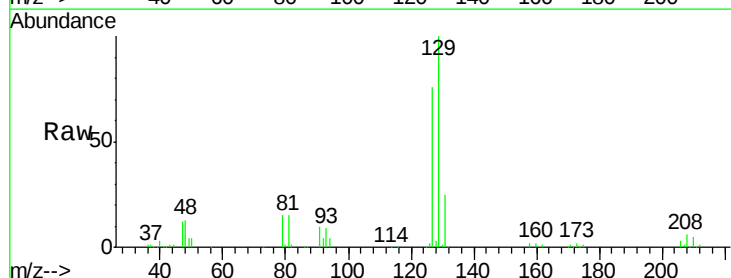
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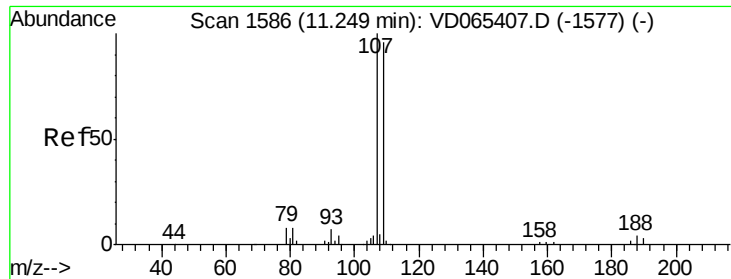
MMDadoda
3/5/2020 1:38:31 PM



#60
Dibromochloromethane
Concen: 49.845 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 129 Resp: 219174
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.268 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 161206

Ion Ratio Lower Upper

107 100

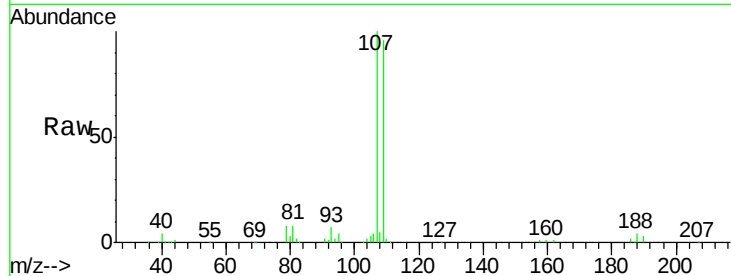
109 96.0 76.8 115.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

100000

80000

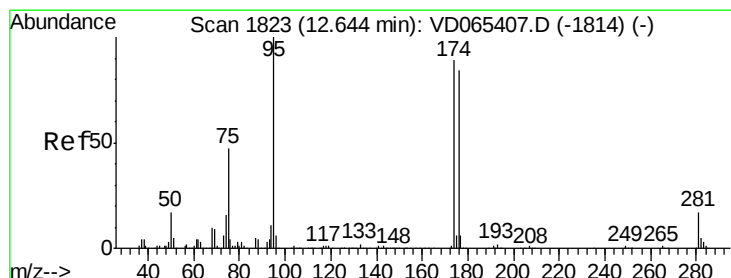
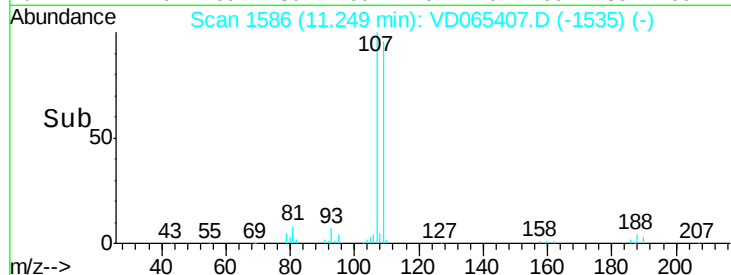
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.777 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

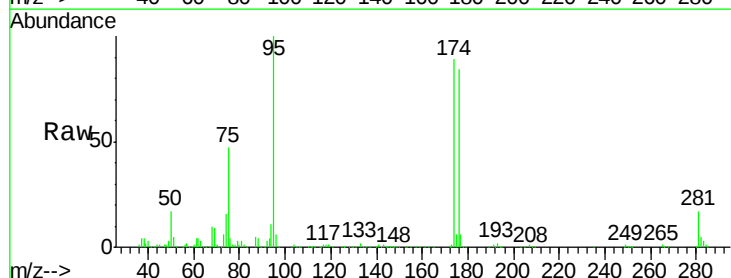
Tgt Ion: 95 Resp: 278002

Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.8

176 85.7 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

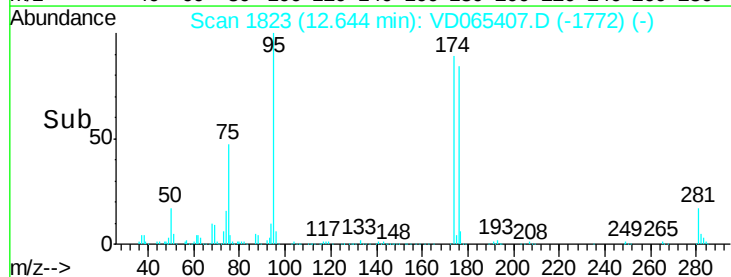
150000

100000

50000

0

Time-->





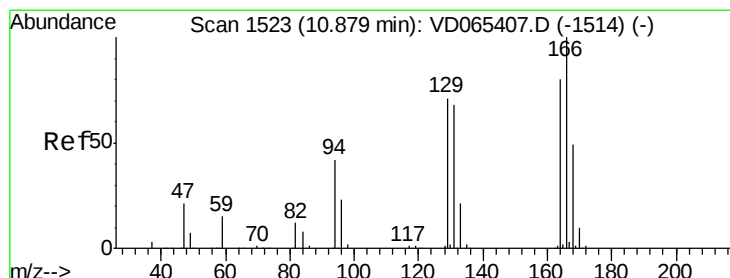
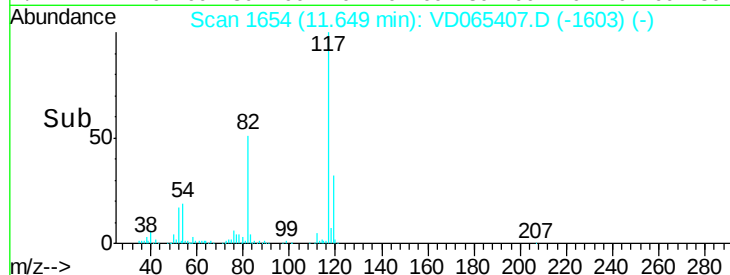
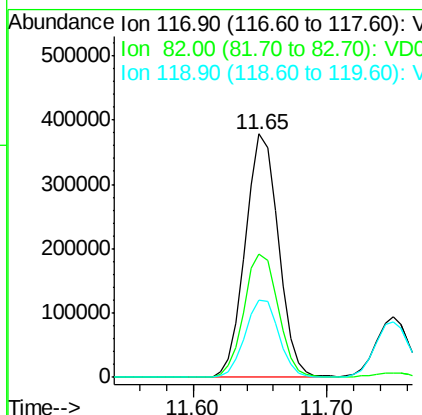
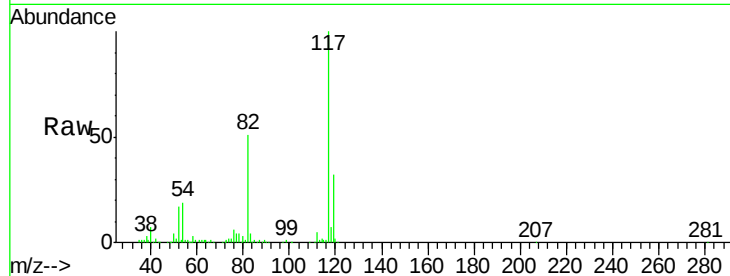
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	650225		
82	50.7		40.6	60.8
119	31.8		25.4	38.2

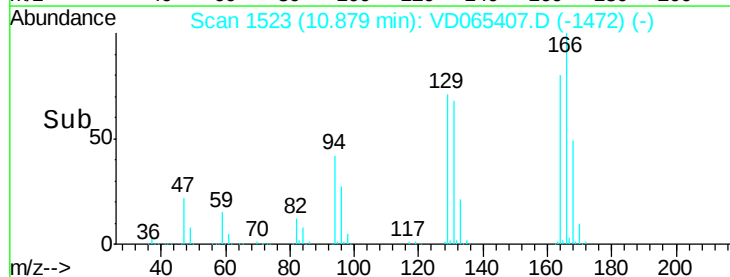
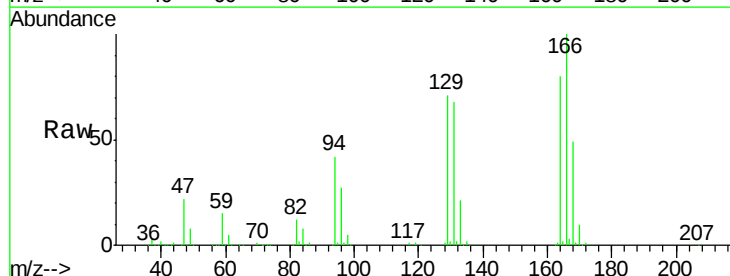
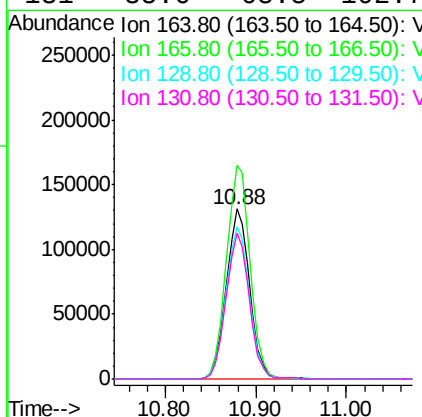
Manual Integrations
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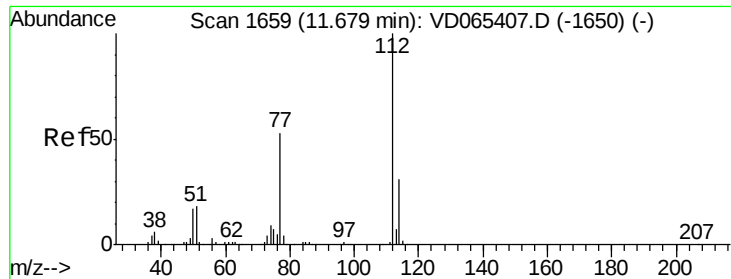
MMDadoda
3/5/2020 1:38:31 PM



#64
Tetrachloroethene
Concen: 50.259 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234171		
166	125.6		100.5	150.7
129	89.4		71.5	107.3
131	85.6		68.5	102.7





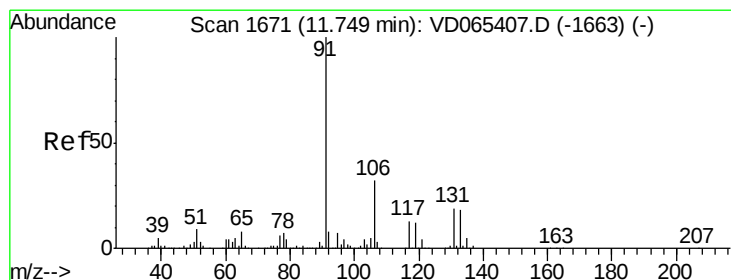
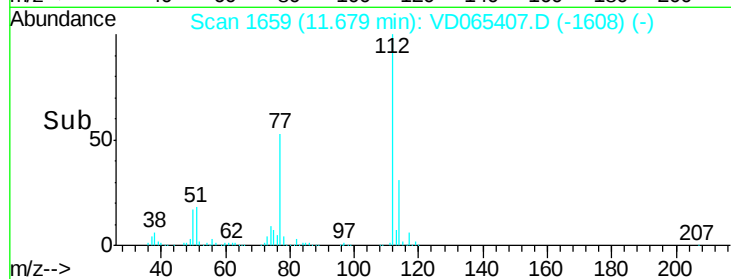
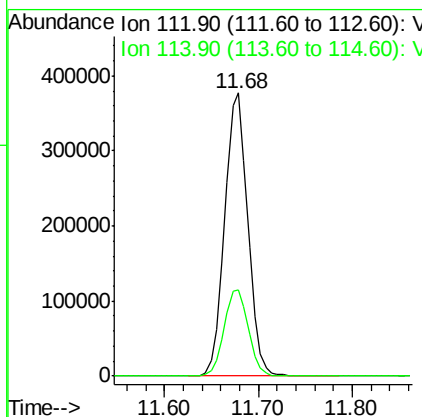
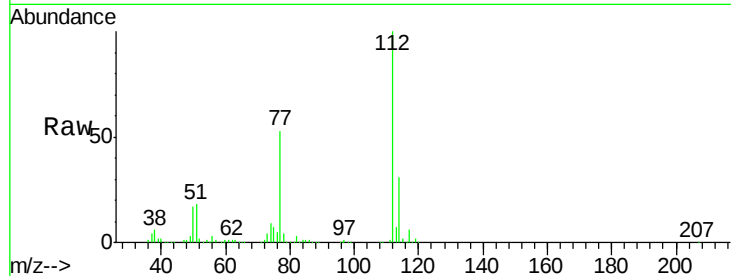
#65
Chlorobenzene
Concen: 50.129 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.4	36.6

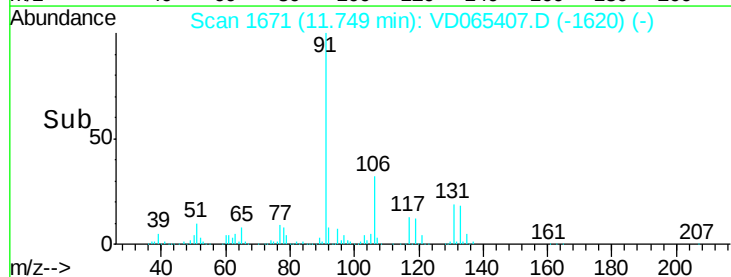
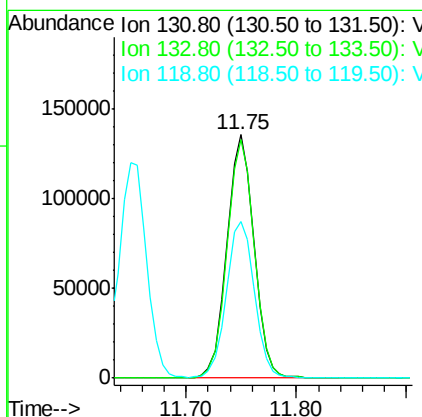
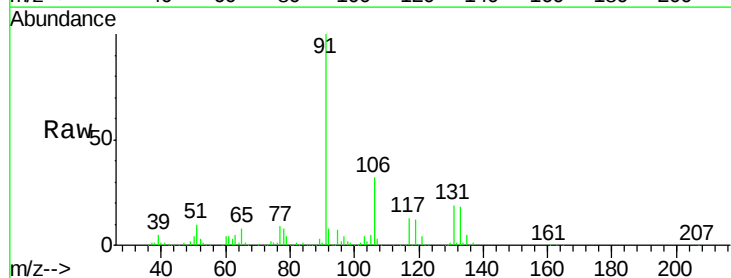
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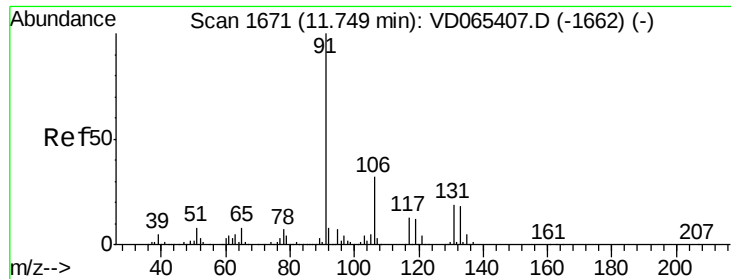
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.908 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	49.2	147.6
119	66.5	33.3	99.8





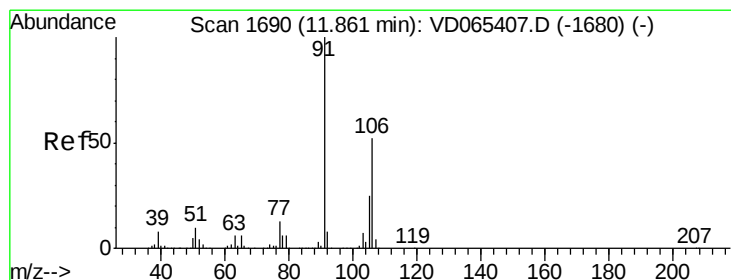
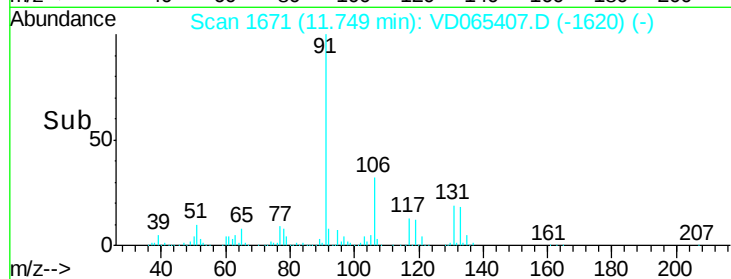
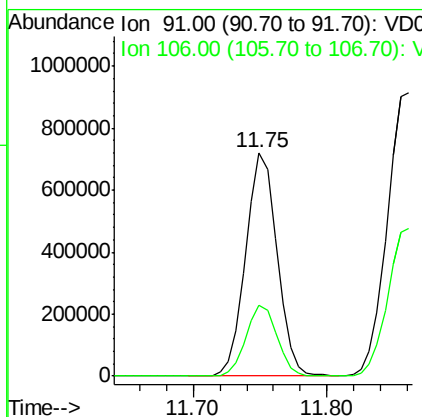
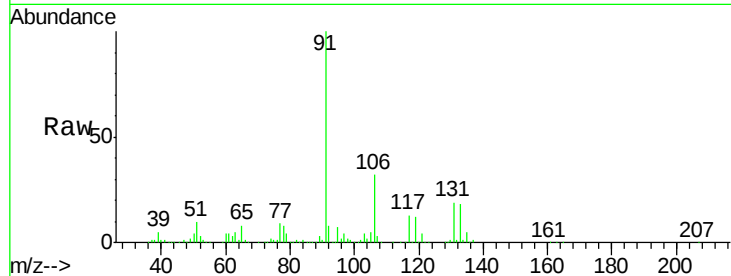
#67
Ethyl Benzene
Concen: 52.581 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1169043
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

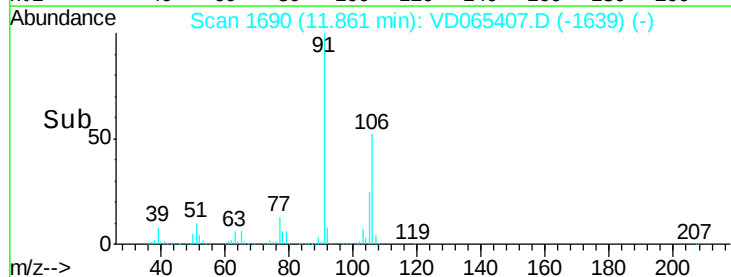
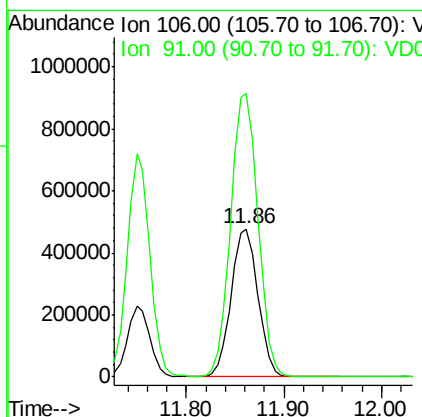
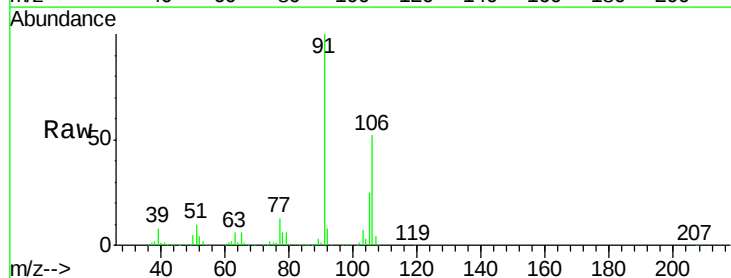
Manual Integrations
APPROVED

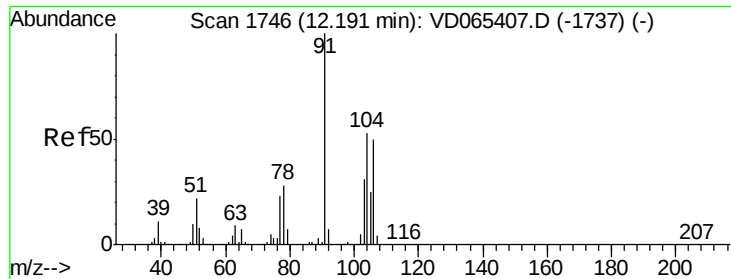
MMDadoda
3/5/2020 1:38:31 PM



#68
m/p-Xylenes
Concen: 106.027 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 106 Resp: 908953
Ion Ratio Lower Upper
106 100
91 194.9 155.9 233.9





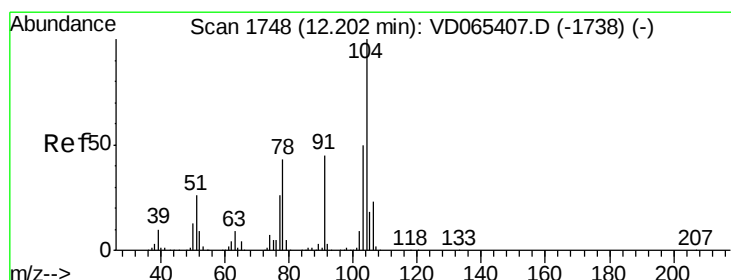
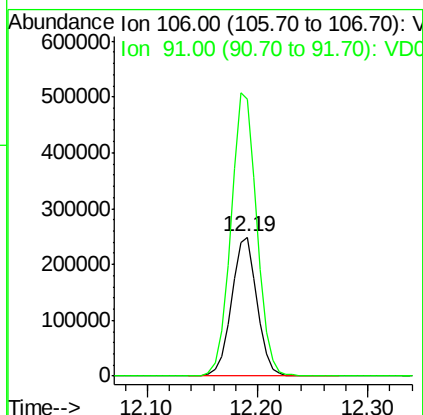
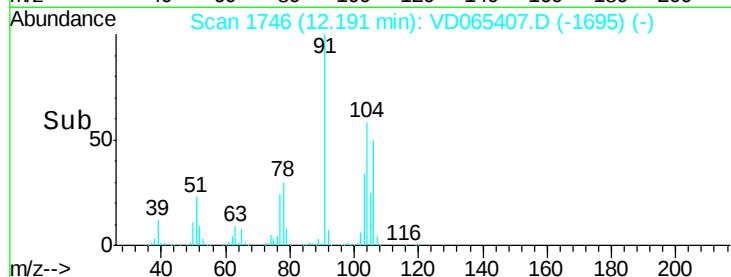
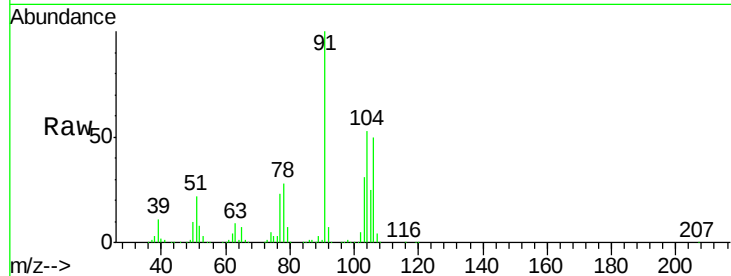
#69
o-Xylene
Concen: 53.330 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 402159
Ion Ratio Lower Upper
106 100
91 206.9 103.5 310.3

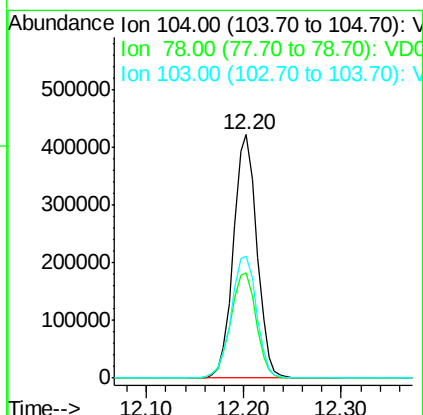
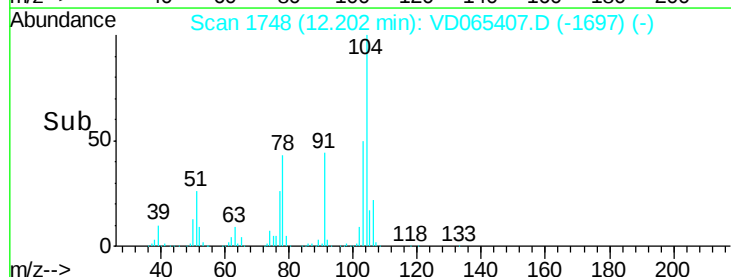
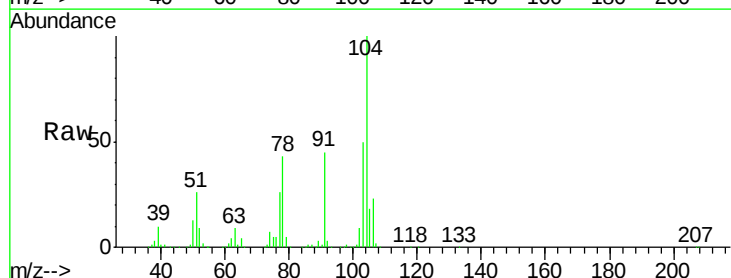
Manual Integrations
APPROVED

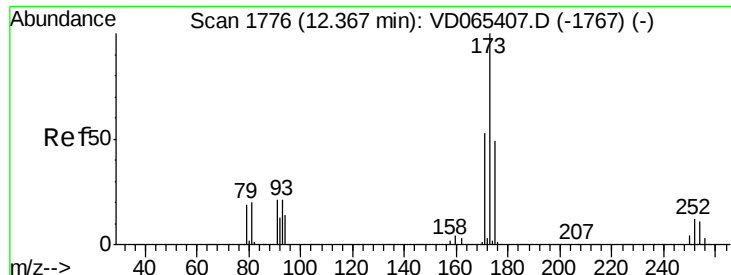
MMDadoda
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#70
Styrene
Concen: 53.198 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion:104 Resp: 706022
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.5 43.6 65.4





#71

Bromoform

Concen: 48.679 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

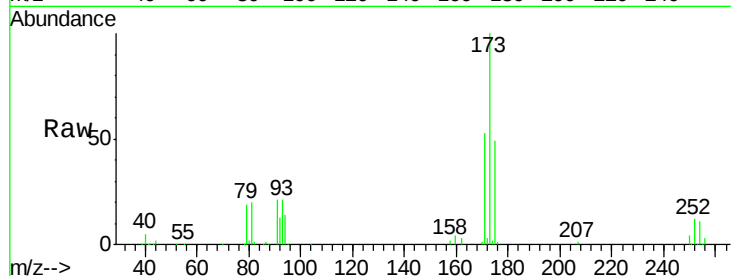
ClientSampleId :

VSTDICCC050

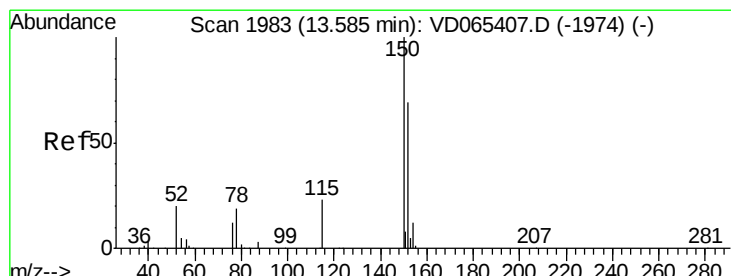
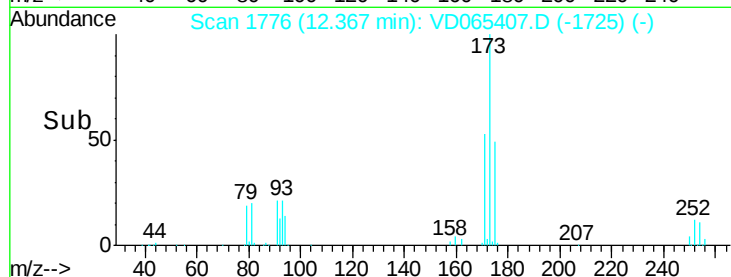
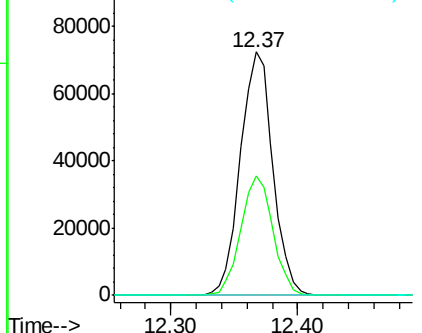
Tot Ion:	173	Resp:	128137
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

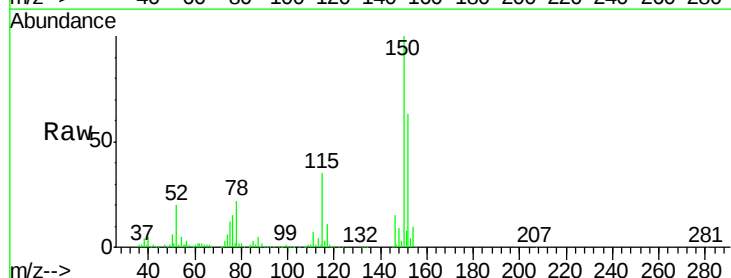
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

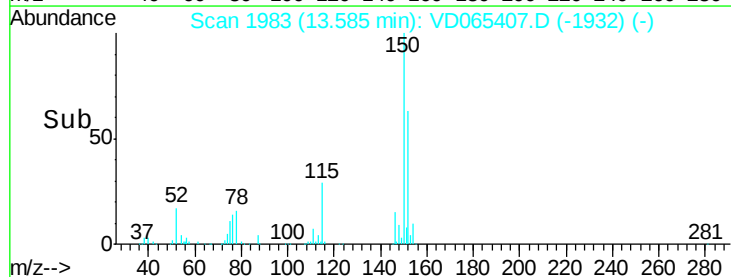
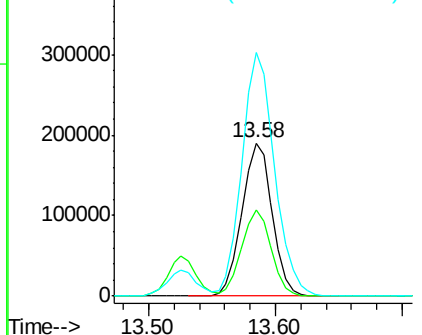
Lab File: VD065407.D

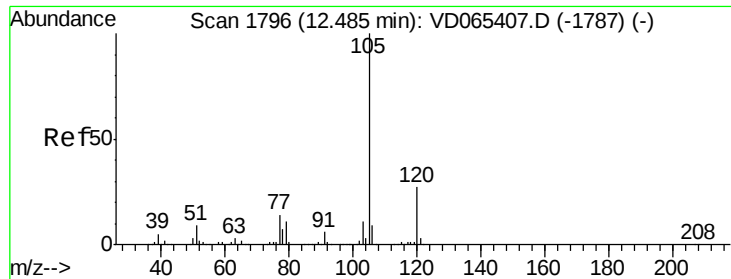
Acq: 04 Mar 2020 12:00

Tgt Ion:	152	Resp:	313190
Ion Ratio	Lower	Upper	
152	100		
115	55.2	27.6	82.8
150	172.5	0.0	345.0



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





#73

Isopropylbenzene

Concen: 53.864 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1109602

Ion Ratio Lower Upper

105 100

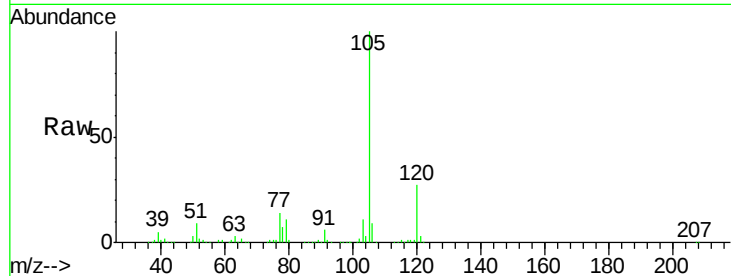
120 26.9 13.5 40.4

Manual Integrations

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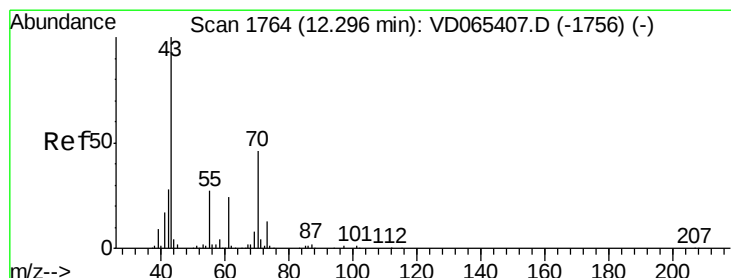
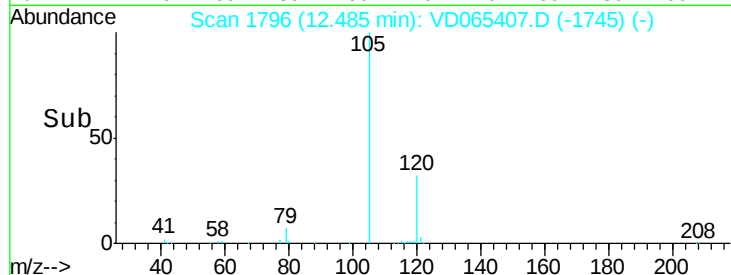
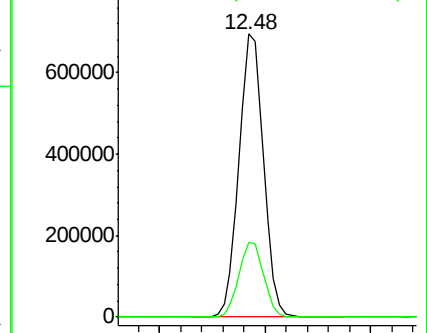
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.621 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion: 43 Resp: 217701

Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 27.0 21.6 32.4

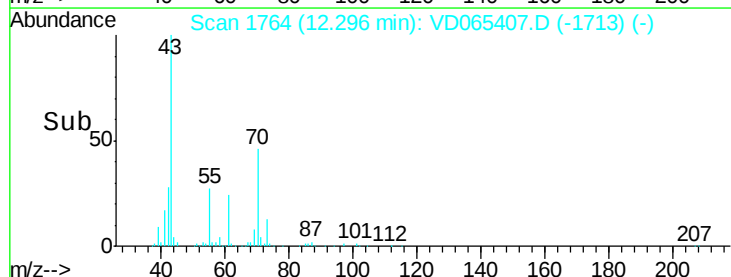
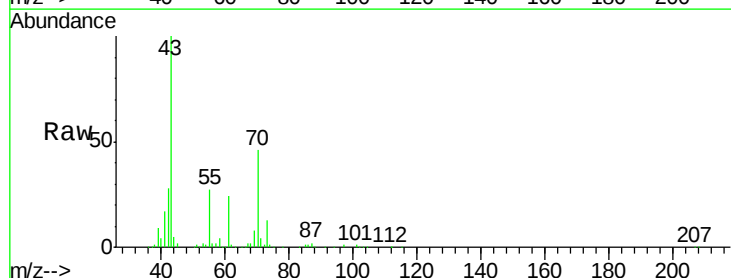
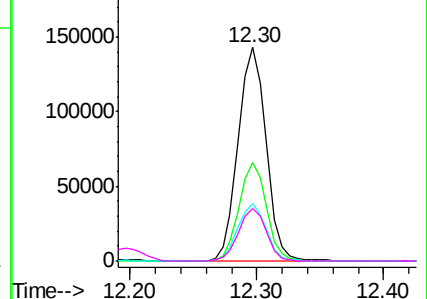
61 24.5 19.6 29.4

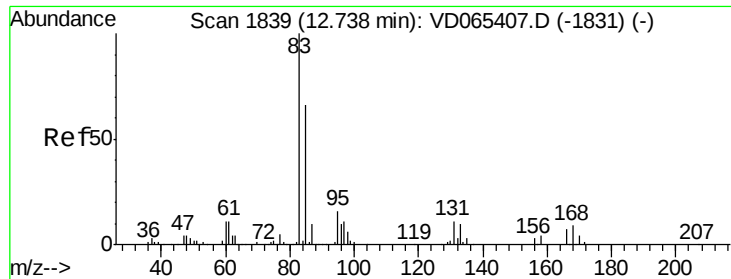
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.082 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

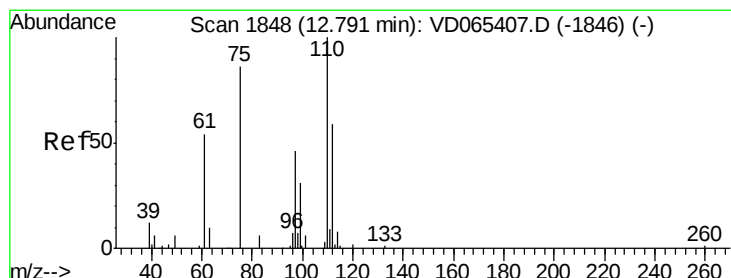
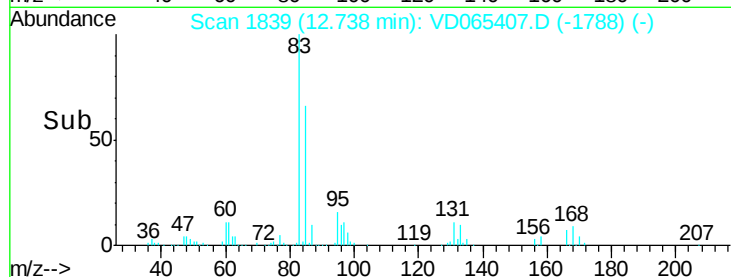
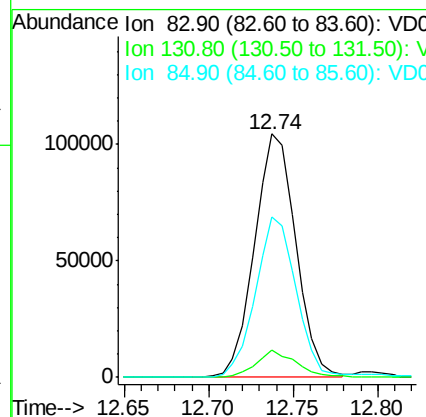
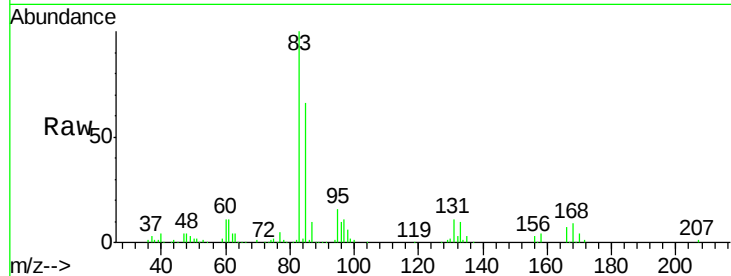
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	177727
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	65.9	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 49.046 ug/l m

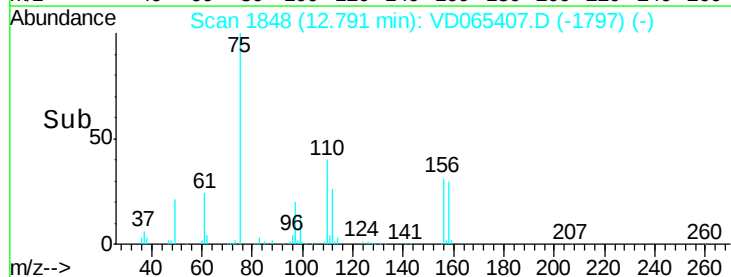
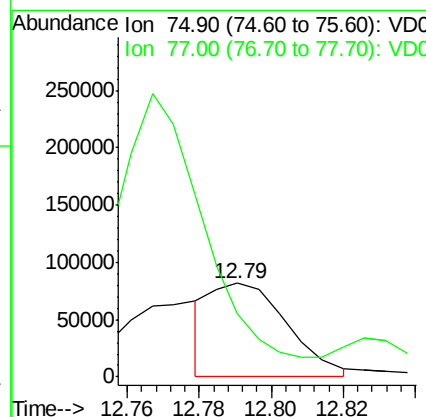
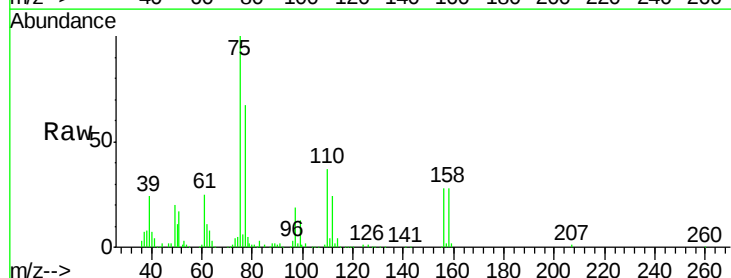
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	75	Resp:	121209
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





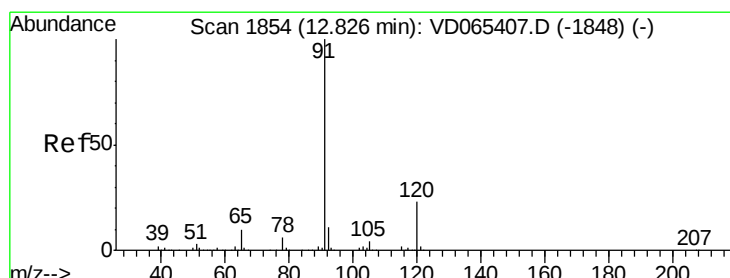
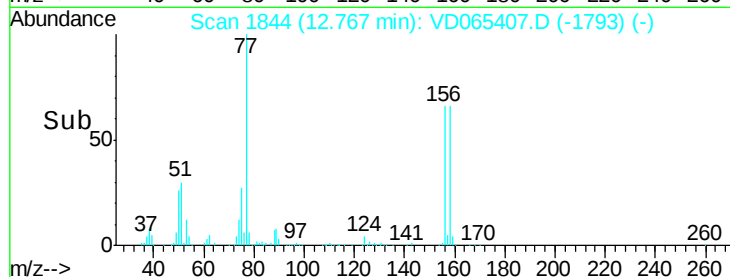
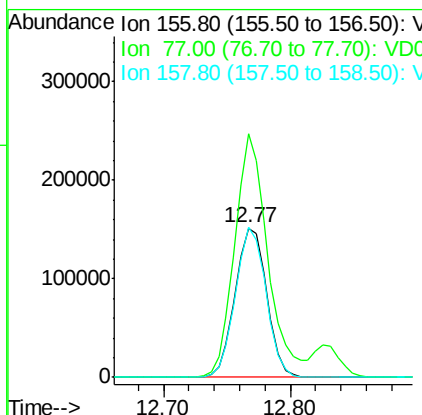
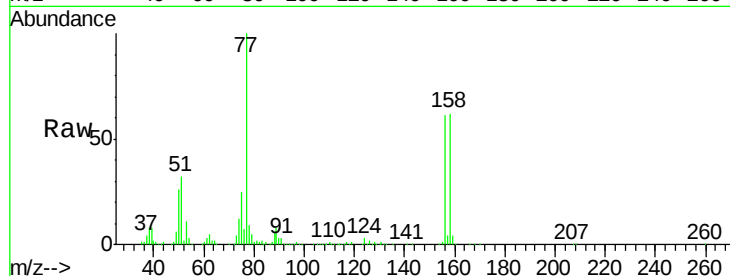
#77
Bromobenzene
Concen: 50.985 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.7	84.9	254.6
158	98.1	49.0	147.2

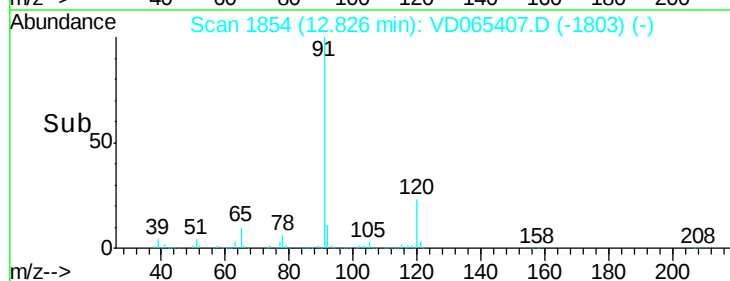
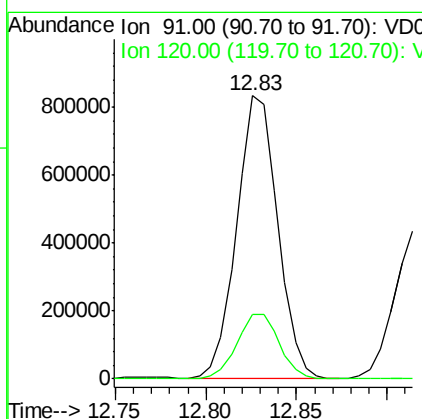
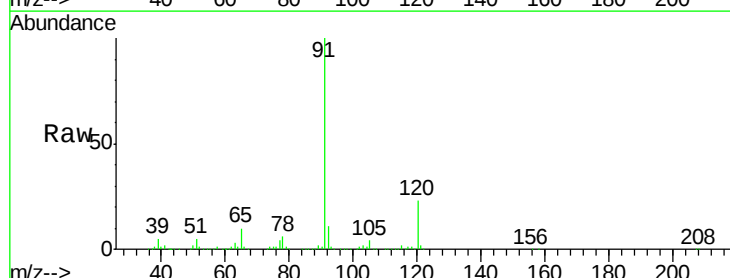
Manual Integrations
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#78
n-propylbenzene
Concen: 53.510 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





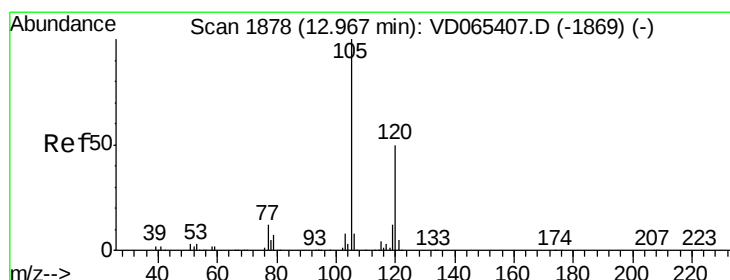
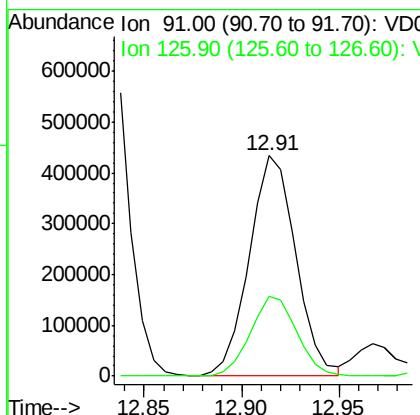
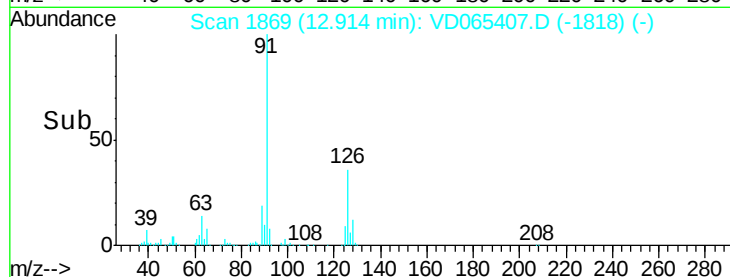
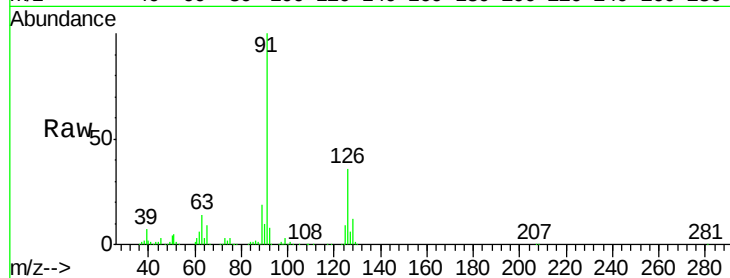
#79
 2-Chlorotoluene
 Concen: 51.989 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 716155
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.8

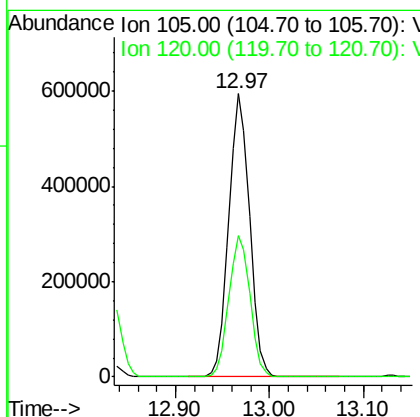
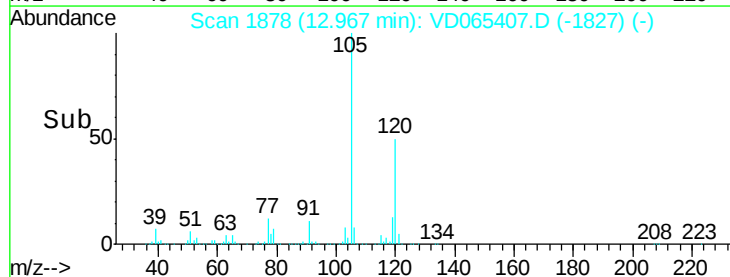
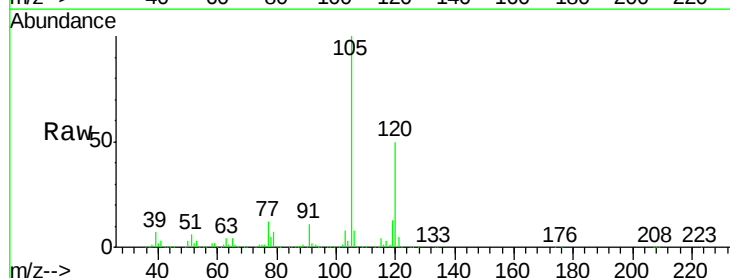
Manual Integrations
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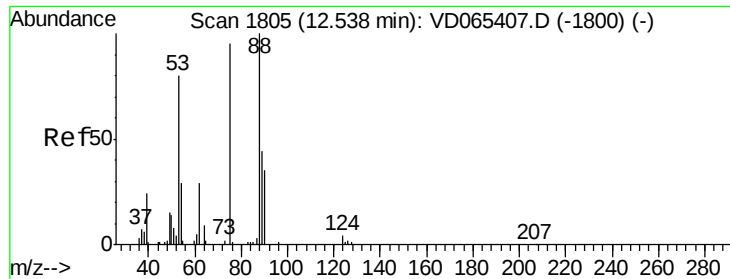
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.994 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 105 Resp: 914413
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.0





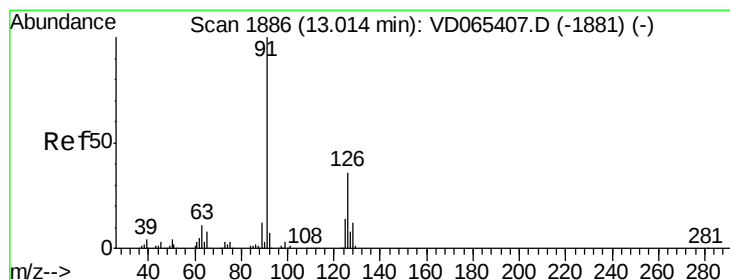
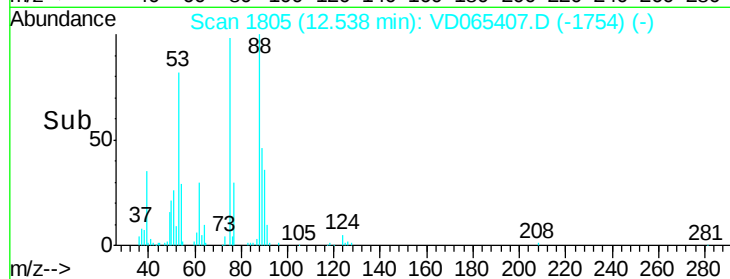
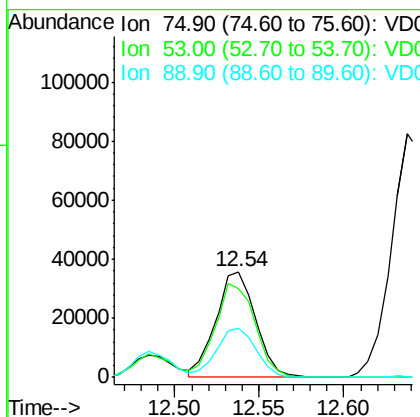
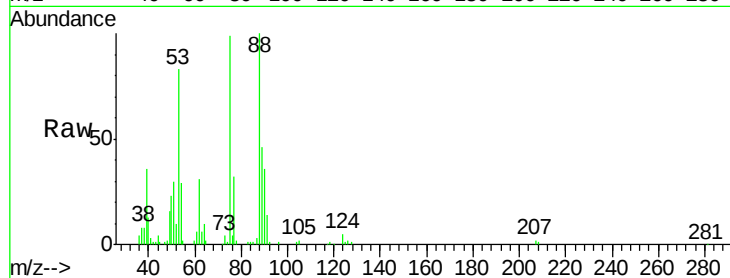
#81
trans-1,4-Dichloro-2-butene
Concen: 50.079 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.1	71.3	106.9
89	46.3	37.0	55.6

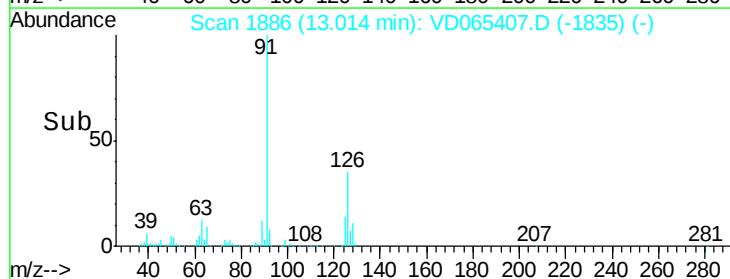
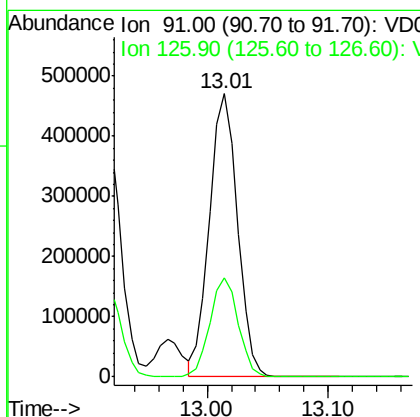
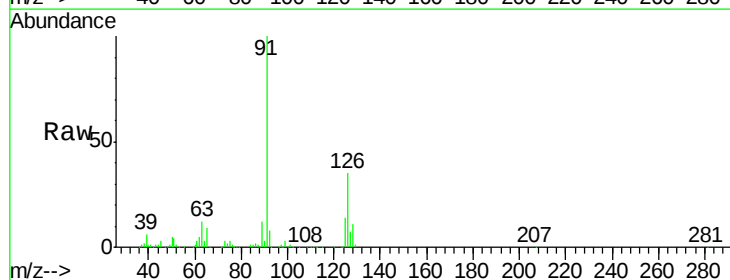
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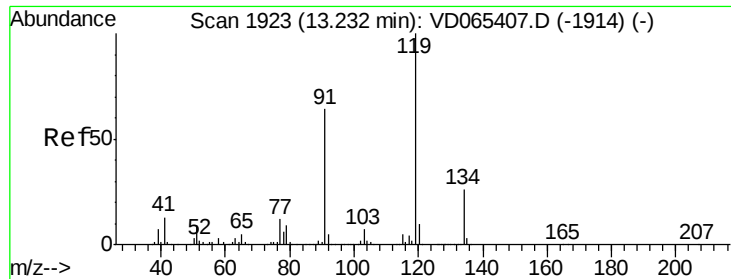
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#82
4-Chlorotoluene
Concen: 52.068 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





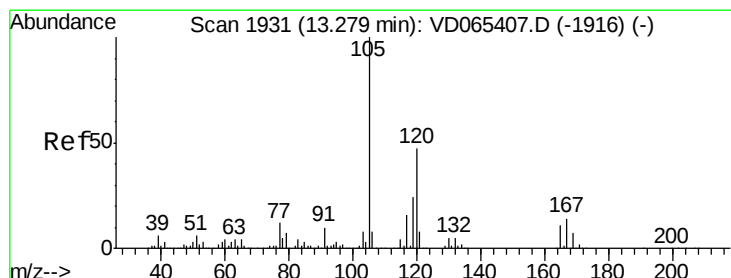
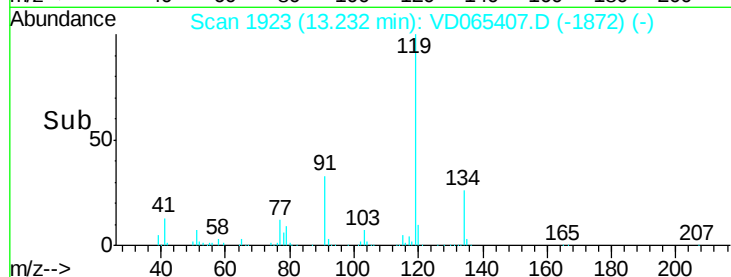
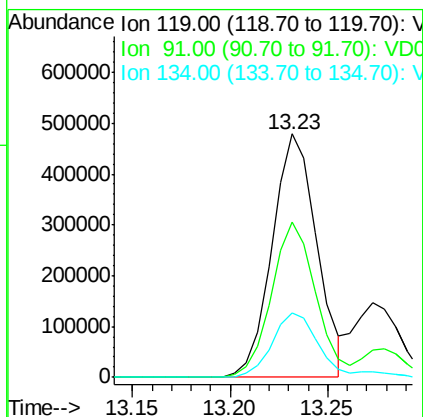
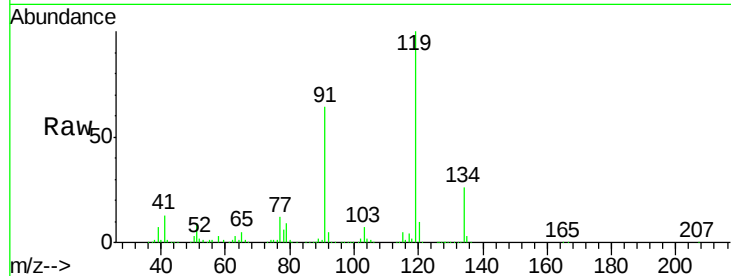
#83
tert-Butylbenzene
Concen: 53.003 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	28.5	14.2	42.8

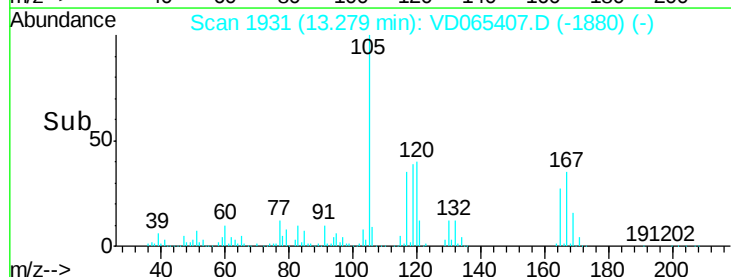
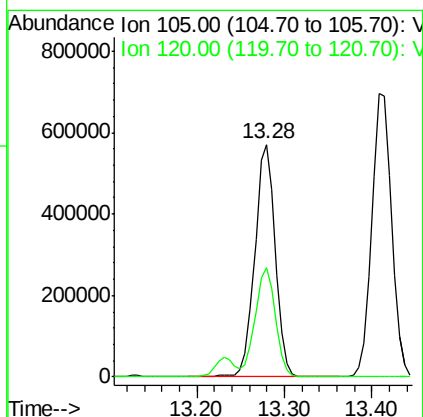
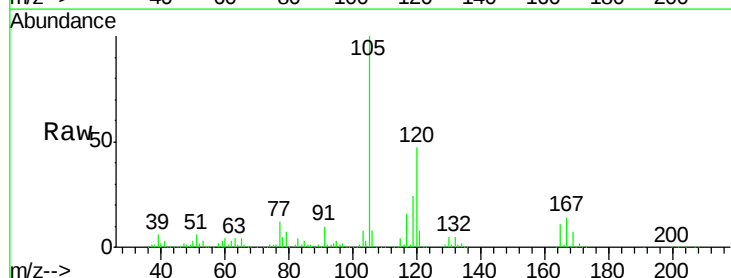
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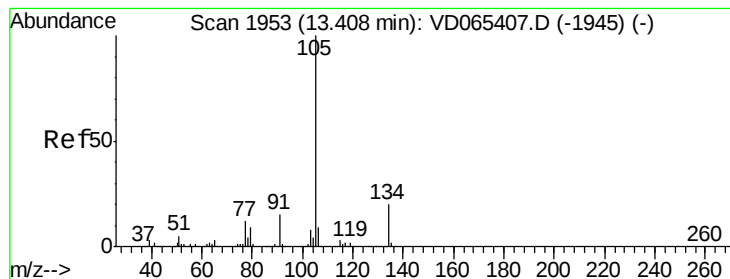
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#84
1,2,4-Trimethylbenzene
Concen: 54.175 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 53.786 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1100008

Ion Ratio Lower Upper

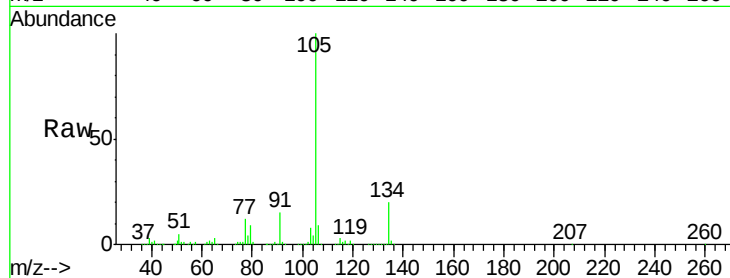
105 100

134 20.6 10.3 30.9

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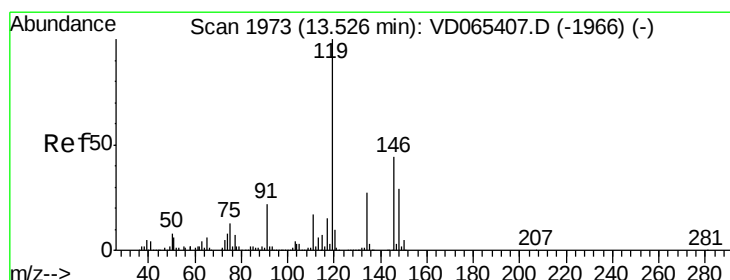
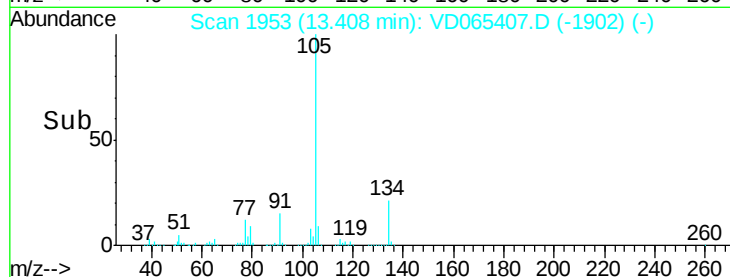
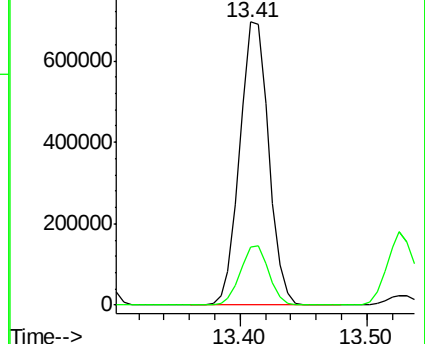
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.399 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

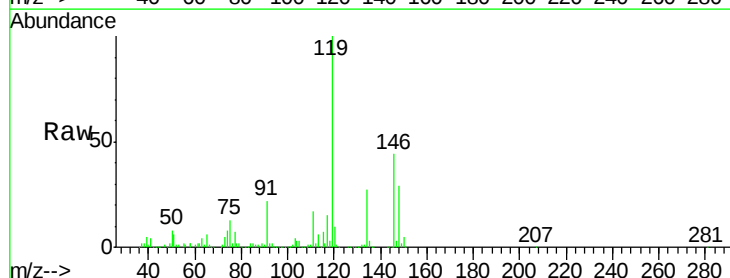
Tgt Ion:119 Resp: 1015180

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

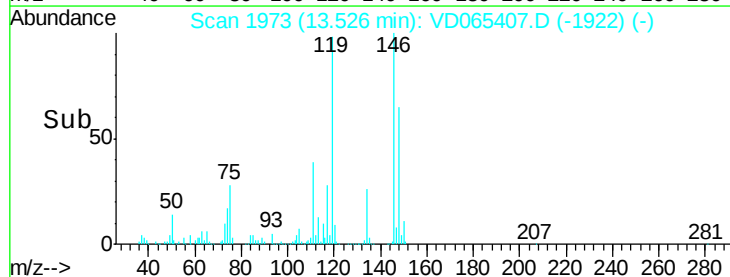
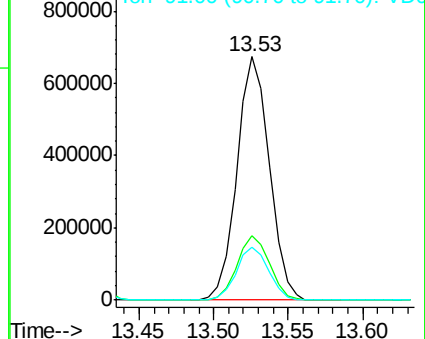
91 21.7 10.9 32.6



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





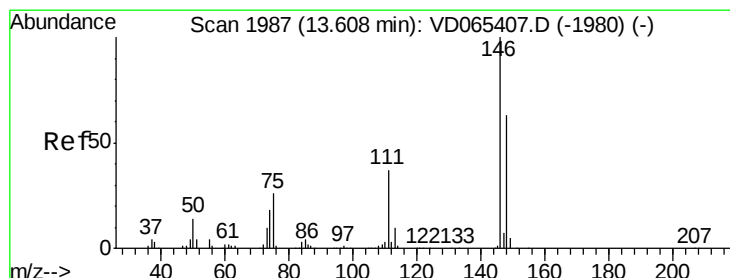
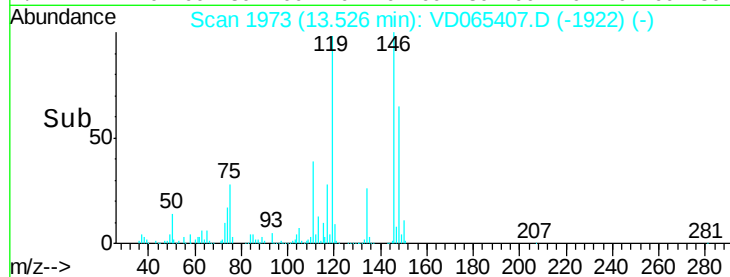
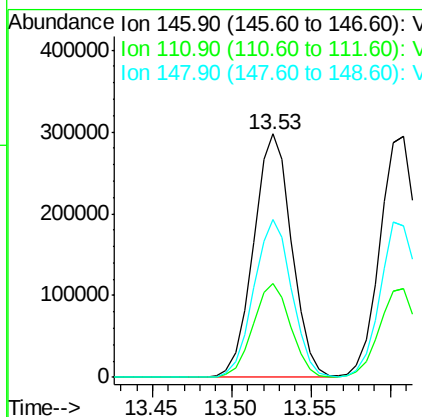
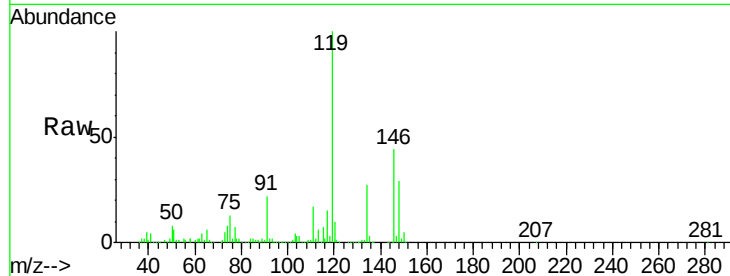
#87
 1,3-Dichlorobenzene
 Concen: 50.477 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.5	32.3	96.8

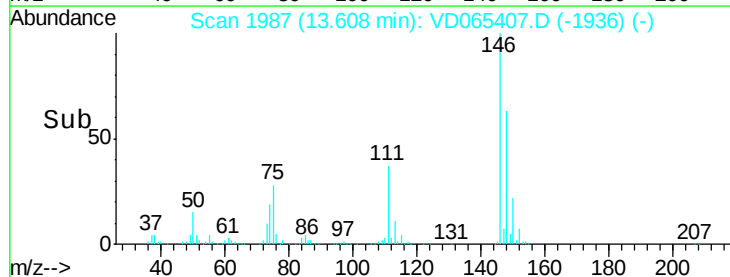
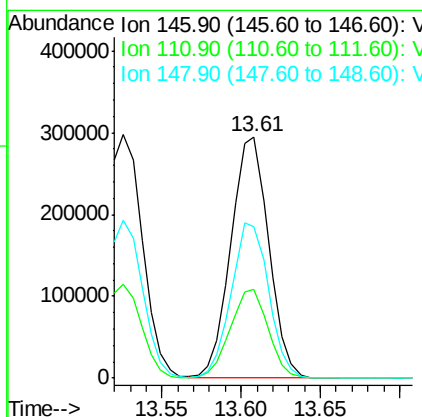
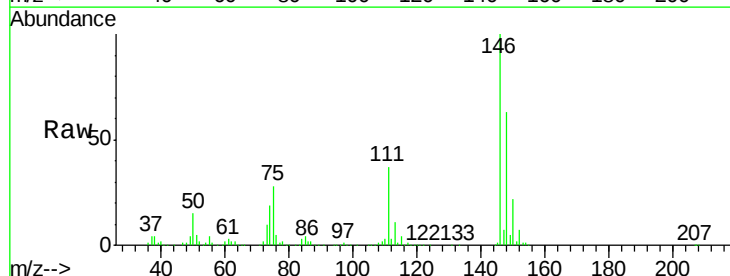
Manual Integrations
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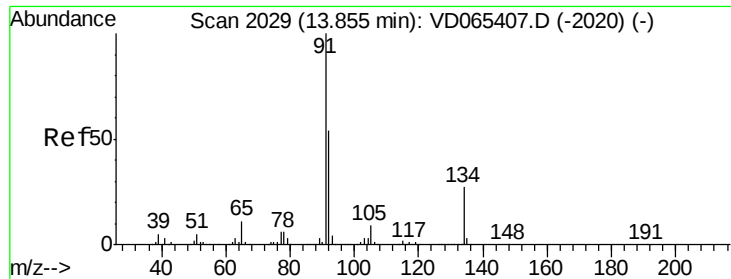
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#88
 1,4-Dichlorobenzene
 Concen: 50.011 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.0	32.0	96.0





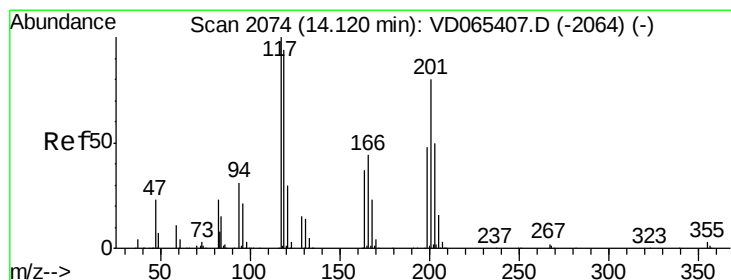
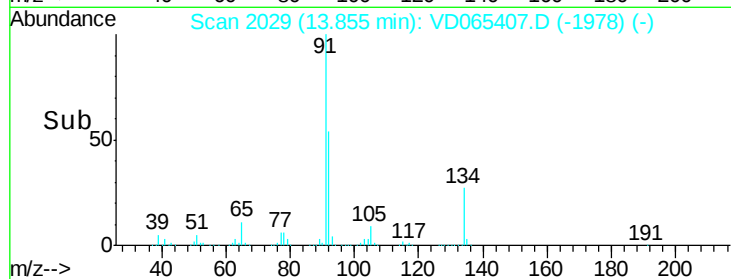
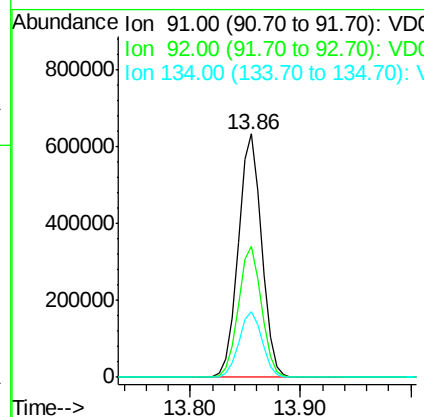
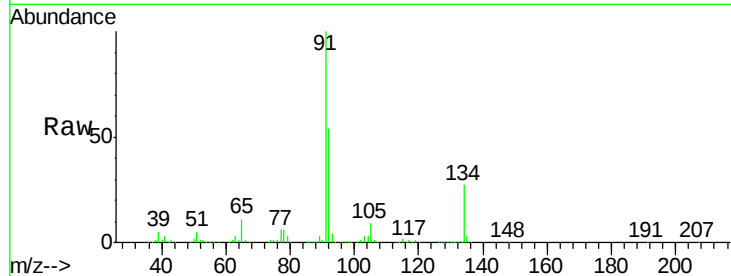
#89
n-Butylbenzene
Concen: 54.292 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	26.8	80.4	
134	26.8	13.4	40.2	

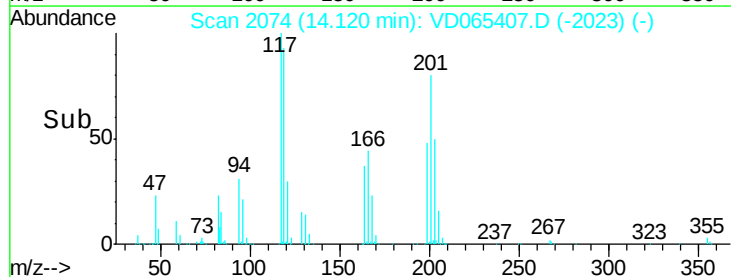
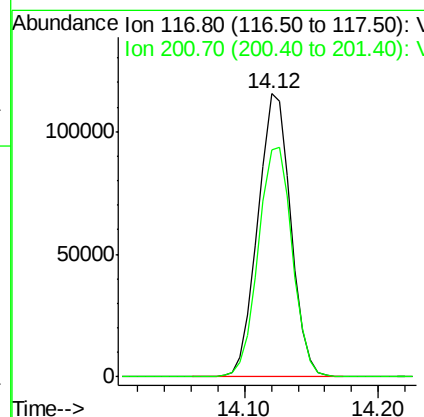
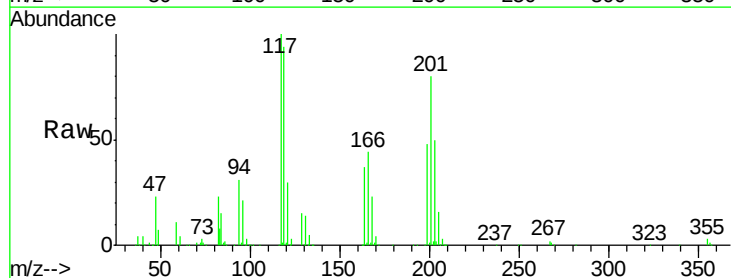
Manual Integrations
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#90
Hexachloroethane
Concen: 51.109 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.7	41.9	125.6	





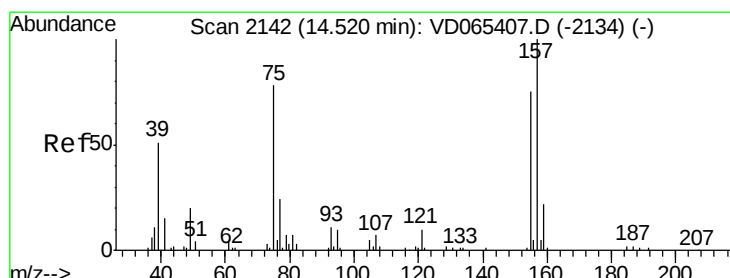
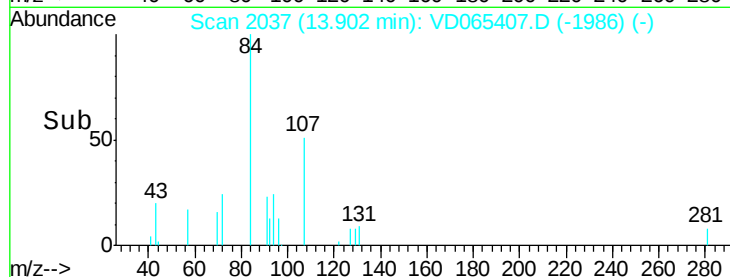
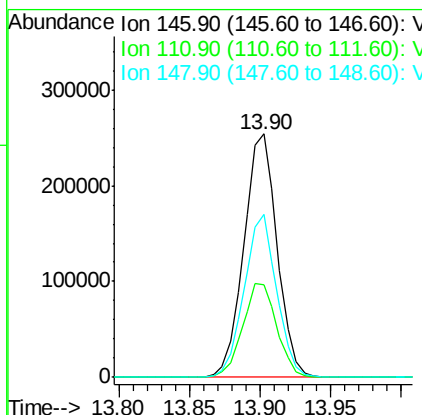
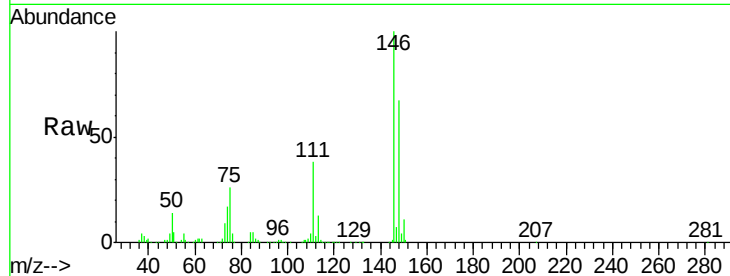
#91
 1,2-Dichlorobenzene
 Concen: 50.113 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	65.2	32.6	97.8

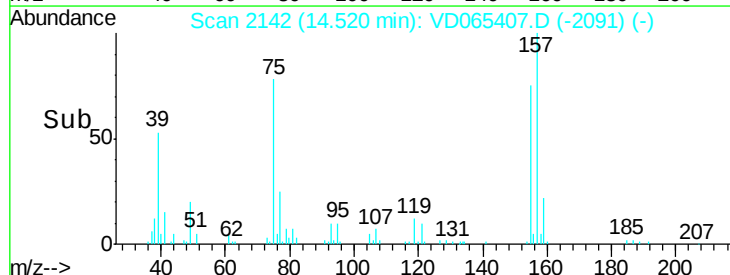
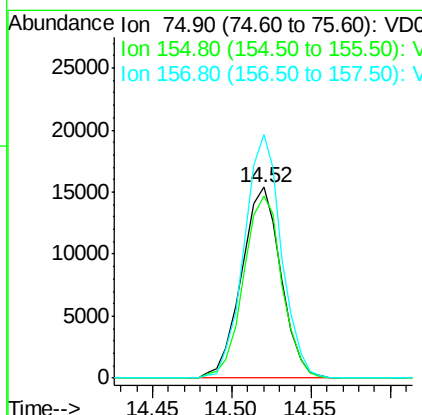
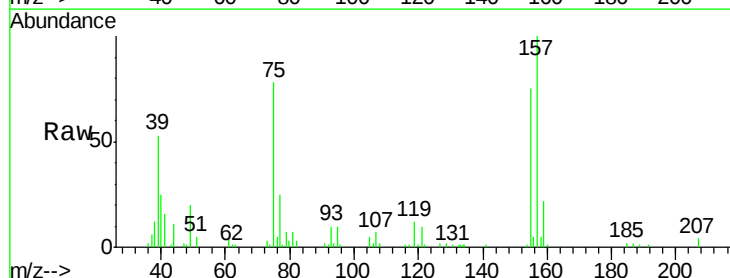
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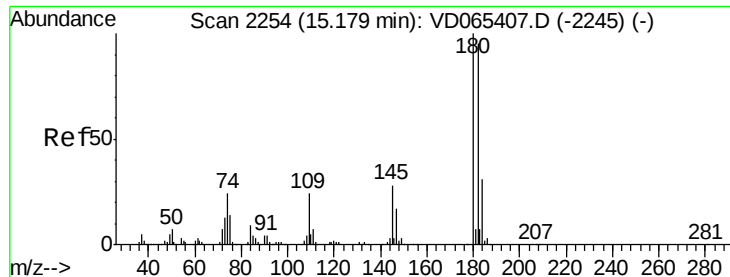
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.275 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.4	139.1
157	120.3	60.2	180.4





#93

1,2,4-Trichlorobenzene

Concen: 51.046 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

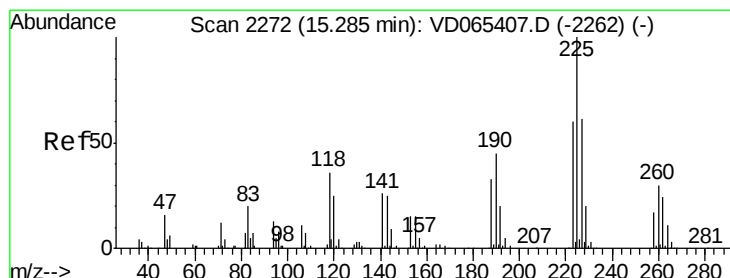
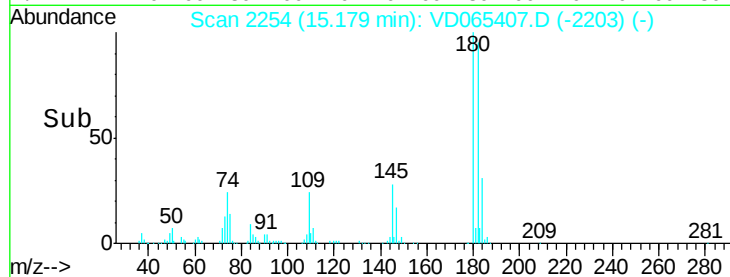
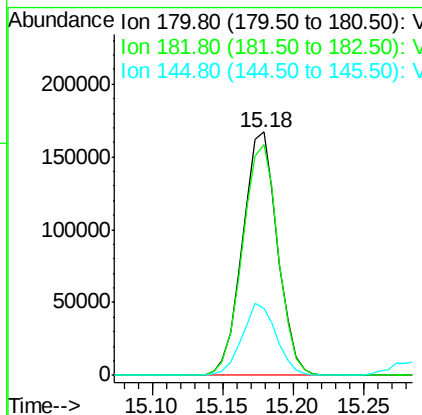
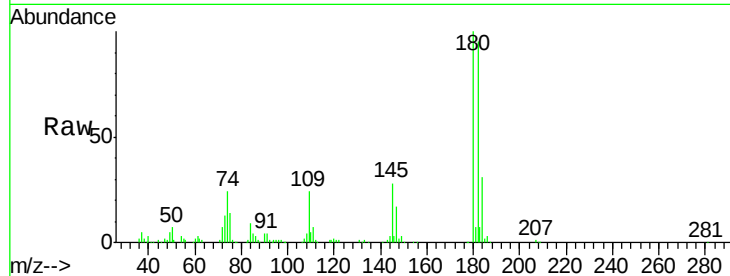
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	289705
Ion Ratio		Lower	Upper
180	100		
182	96.6	48.3	144.9
145	28.9	14.4	43.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.855 ug/l

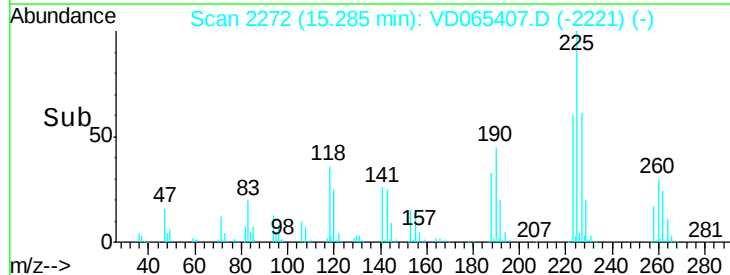
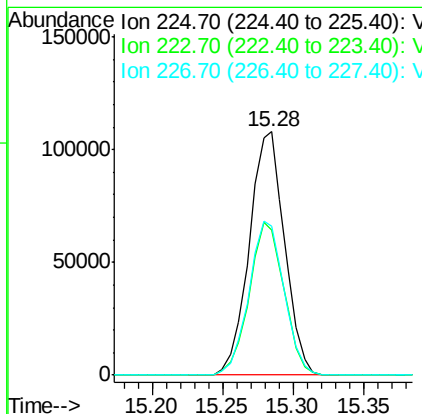
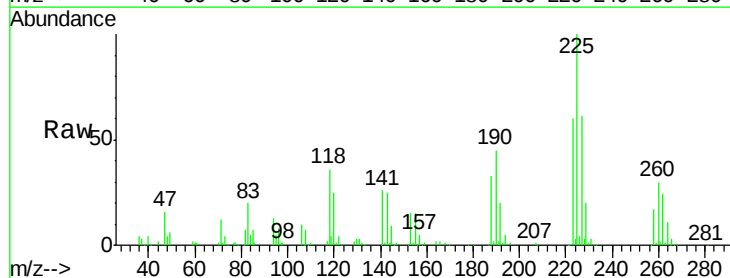
RT: 15.28 min Scan# 2272

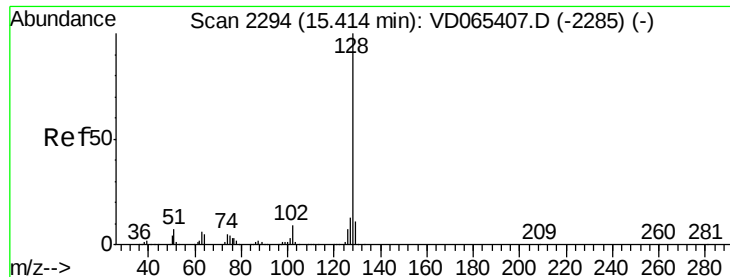
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion:	225	Resp:	189644
Ion Ratio		Lower	Upper
225	100		
223	61.7	30.9	92.5
227	63.1	31.6	94.7





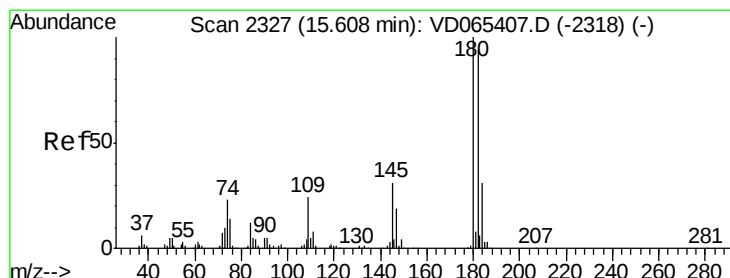
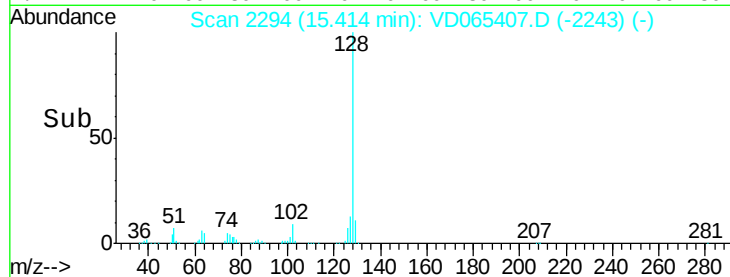
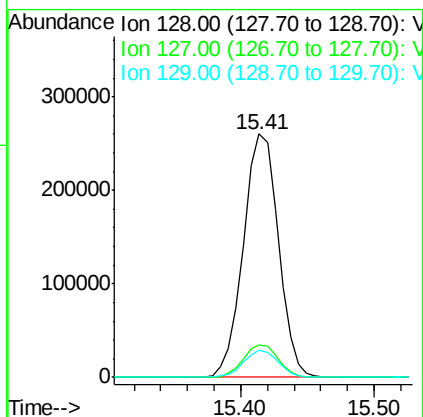
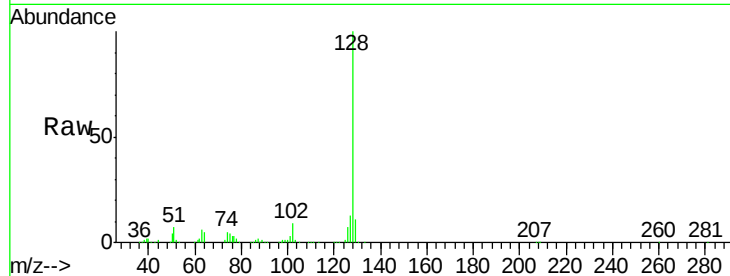
#95
Naphthalene
Concen: 47.037 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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3/5/2020 1:38:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.449 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	30.1	15.0	45.1

