

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065443.D
 Acq On : 09 Mar 2020 11:59
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:26 PM

Quant Time: Mar 10 13:54:08 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	489876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	648518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207825	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.92	113	227378	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.34	98	879653	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.64	95	280775	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95526	22.689	ug/l	97
3) Chloromethane	2.21	50	107157	21.082	ug/l	97
4) Vinyl Chloride	2.35	62	108220	21.586	ug/l	95
5) Bromomethane	2.77	94	66993	21.079	ug/l	97
6) Chloroethane	2.92	64	64910	21.139	ug/l	98
7) Trichlorofluoromethane	3.27	101	155418	21.038	ug/l	99
8) Diethyl Ether	3.70	74	43022	19.583	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101988	21.436	ug/l	99
10) Methyl Iodide	4.29	142	95234	19.267	ug/l	99
11) Tert butyl alcohol	5.23	59	27193	112.818	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	94579	20.760	ug/l	94
13) Acrolein	3.92	56	33986	81.758	ug/l	97
14) Allyl chloride	4.71	41	135394	19.346	ug/l	99
15) Acrylonitrile	5.43	53	87530	91.584	ug/l	99
16) Acetone	4.16	43	74200	87.310	ug/l	95
17) Carbon Disulfide	4.40	76	314453	20.726	ug/l	99
18) Methyl Acetate	4.73	43	40241	18.667	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	164279	18.751	ug/l	93
20) Methylene Chloride	4.97	84	106745	21.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	105105	20.739	ug/l	100
22) Diisopropyl ether	6.37	45	268565	20.643	ug/l	99
23) Vinyl Acetate	6.31	43	678167	93.879	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173025	20.734	ug/l	97
25) 2-Butanone	7.22	43	102829	88.665	ug/l	98
26) 2,2-Dichloropropane	7.21	77	152922	20.970	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105681	20.401	ug/l	99
28) Bromochloromethane	7.55	49	67930	20.346	ug/l	99
29) Tetrahydrofuran	7.57	42	66709	90.071	ug/l	98
30) Chloroform	7.71	83	175065	20.989	ug/l	98
31) Cyclohexane	7.98	56	171371	20.537	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	159948	20.751	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139257	20.204	ug/l	98
37) Ethyl Acetate	7.30	43	49159	18.453	ug/l	98
38) Carbon Tetrachloride	8.10	117	148439	20.769	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	169636	20.378	ug/l	94
40) Benzene	8.36	78	401638	20.842	ug/l	99
41) Methacrylonitrile	7.54	41	27524m	19.536	ug/l	
42) 1,2-Dichloroethane	8.43	62	100944	20.060	ug/l	98
43) Isopropyl Acetate	8.46	43	87473	17.783	ug/l	97
44) Trichloroethene	9.11	130	111998	20.580	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97974	20.988	ug/l	98
46) Dibromomethane	9.48	93	48412	19.994	ug/l	98
47) Bromodichloromethane	9.67	83	128462	20.393	ug/l	98
48) Methyl methacrylate	9.46	41	40018	17.295	ug/l	93
49) 1,4-Dioxane	9.47	88	9860	356.002	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	232959	94.113	ug/l	97
52) Toluene	10.41	92	254594	20.971	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	115113	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143471	20.135	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67261	19.613	ug/l	98
56) Ethyl methacrylate	10.67	69	70749	18.300	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115683	19.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	115082	96.590	ug/l	99
59) 2-Hexanone	10.99	43	149813	87.430	ug/l	100
60) Dibromochloromethane	11.14	129	89804	20.429	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65722	20.091	ug/l	98
64) Tetrachloroethene	10.88	164	98613	21.221	ug/l	97
65) Chlorobenzene	11.68	112	265607	20.696	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96944	20.741	ug/l	99
67) Ethyl Benzene	11.75	91	460912	20.785	ug/l	99
68) m/p-Xylenes	11.86	106	361772	42.311	ug/l	98
69) o-Xylene	12.18	106	155161	20.630	ug/l	98
70) Styrene	12.20	104	277416	20.958	ug/l	99
71) Bromoform	12.37	173	51603	19.655	ug/l #	98
73) Isopropylbenzene	12.48	105	432116	20.416	ug/l	100
74) N-amyl acetate	12.30	43	75912	17.519	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69784	18.757	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	44903m	17.684	ug/l	
77) Bromobenzene	12.77	156	105969	20.152	ug/l	98
78) n-propylbenzene	12.83	91	526418	20.962	ug/l	100
79) 2-Chlorotoluene	12.91	91	286476	20.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365439	21.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21907	18.207	ug/l	96
82) 4-Chlorotoluene	13.01	91	308286	20.728	ug/l	97
83) tert-Butylbenzene	13.23	119	296449	20.138	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	367702	21.438	ug/l	100
85) sec-Butylbenzene	13.41	105	436934	20.794	ug/l	99
86) p-Isopropyltoluene	13.53	119	402659	21.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208539	20.627	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203188	20.204	ug/l	99
89) n-Butylbenzene	13.86	91	367623	20.739	ug/l	99
90) Hexachloroethane	14.12	117	82354	20.856	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178755	20.777	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10463	18.466	ug/l	99

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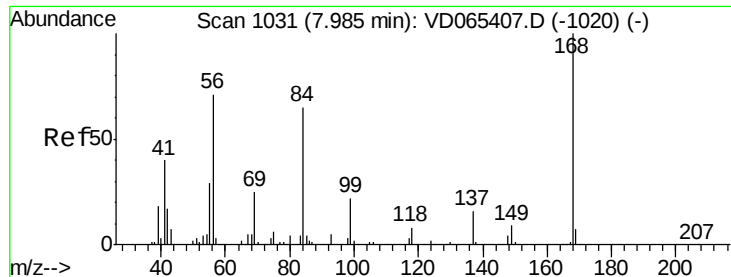
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116269	19.939	ug/l	99
94) Hexachlorobutadiene	15.28	225	79512	20.752	ug/l	97
95) Naphthalene	15.41	128	167423	19.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100635	19.972	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion:168 Resp: 489876

Ion Ratio Lower Upper

168 100

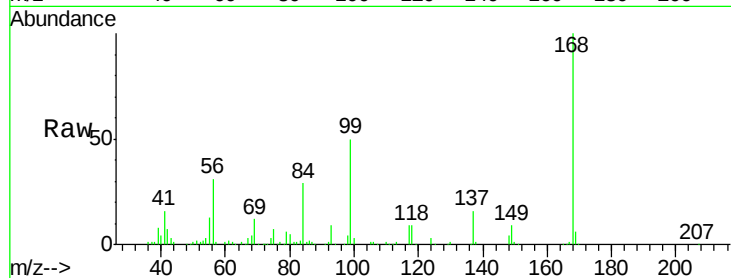
99 49.4 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

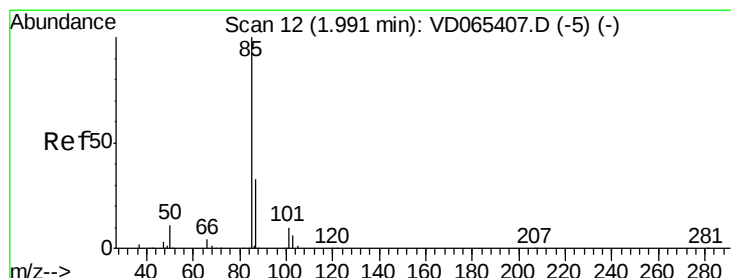
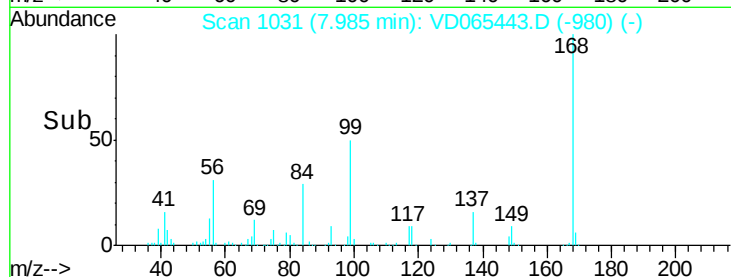
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.689 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065443.D

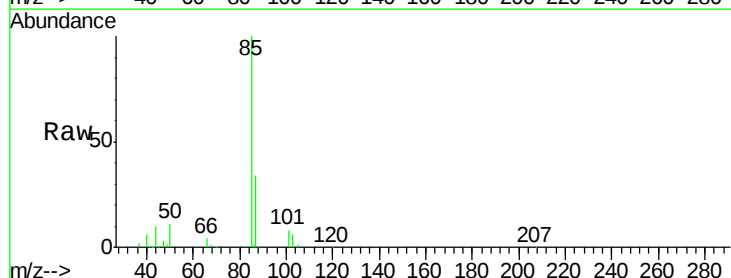
Acq: 09 Mar 2020 11:59

Tgt Ion: 85 Resp: 95526

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

40000

20000

0

1.90

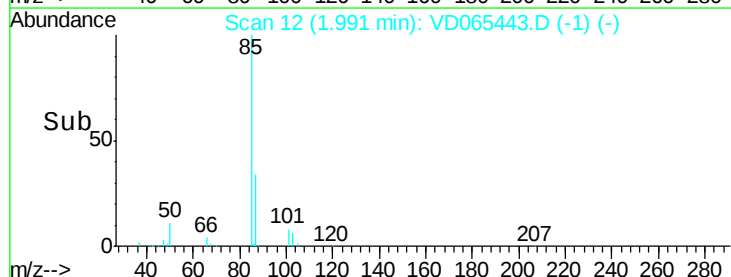
1.95

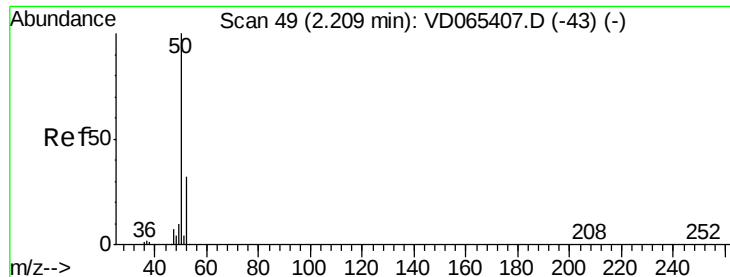
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.082 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 50 Resp: 107157

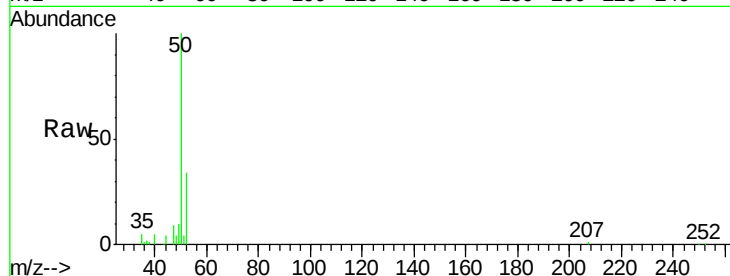
Ion Ratio Lower Upper

50 100

52 33.7 25.8 38.8

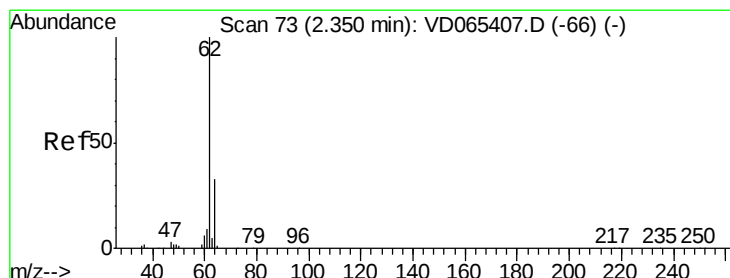
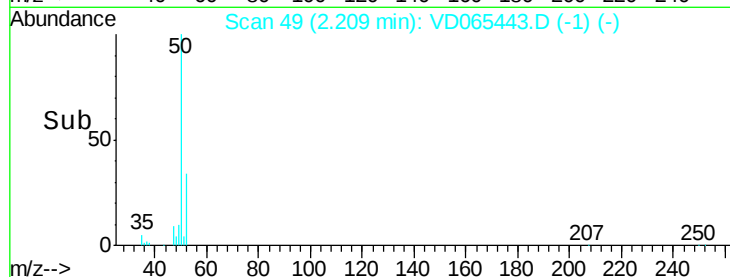
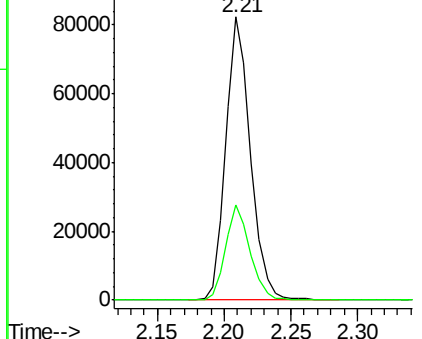
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.586 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065443.D

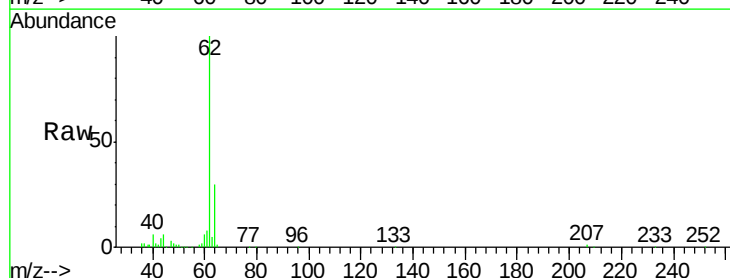
Acq: 09 Mar 2020 11:59

Tgt Ion: 62 Resp: 108220

Ion Ratio Lower Upper

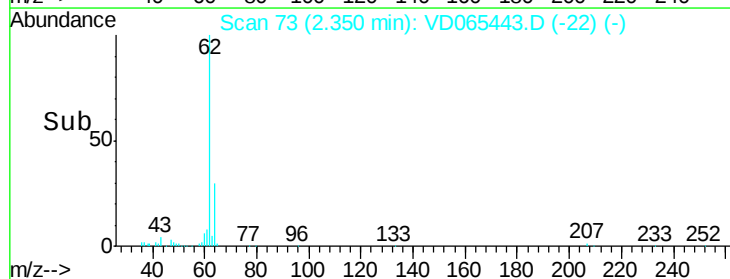
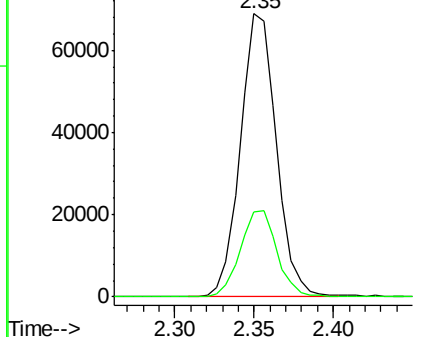
62 100

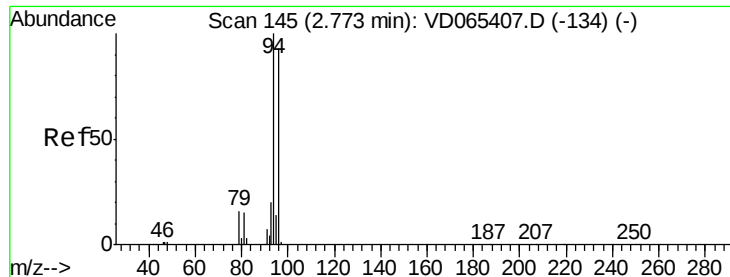
64 30.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.079 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 94 Resp: 66993

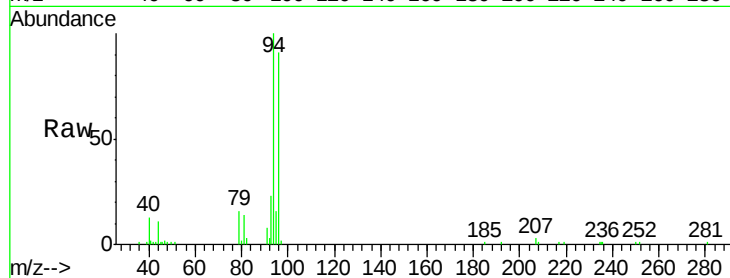
Ion Ratio Lower Upper

94 100

96 90.0 74.4 111.6

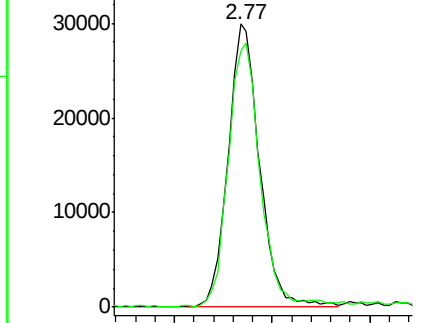
Manual Integrations
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3/10/2020 3:34:26 PM

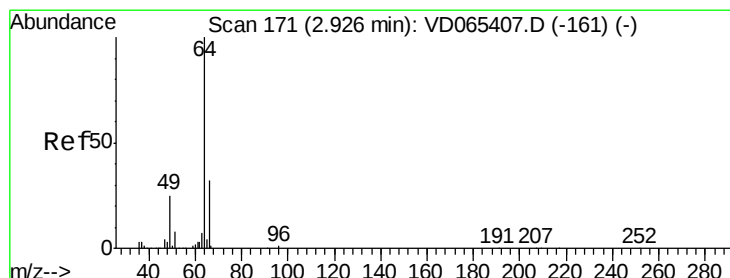
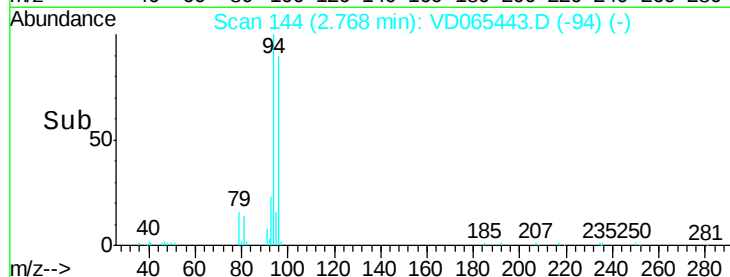


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 21.139 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065443.D

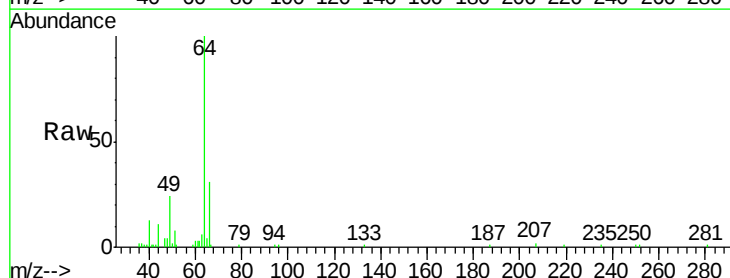
Acq: 09 Mar 2020 11:59

Tgt Ion: 64 Resp: 64910

Ion Ratio Lower Upper

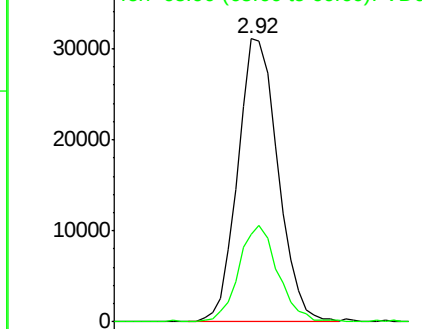
64 100

66 30.9 25.6 38.4

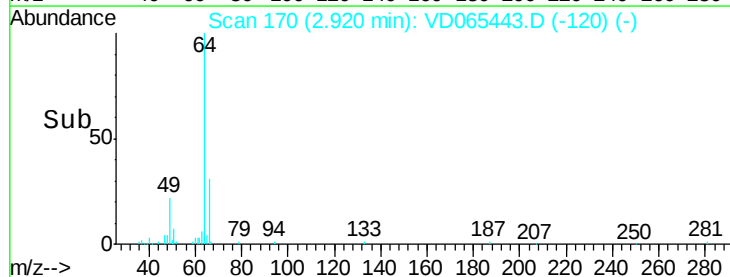


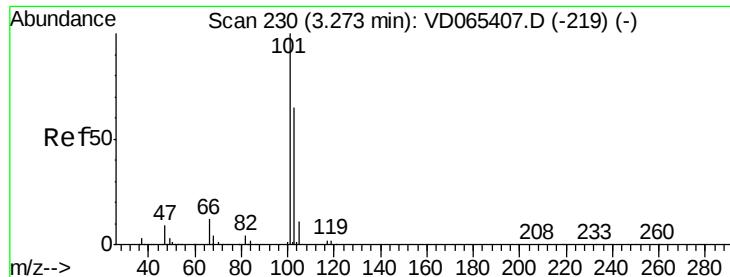
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

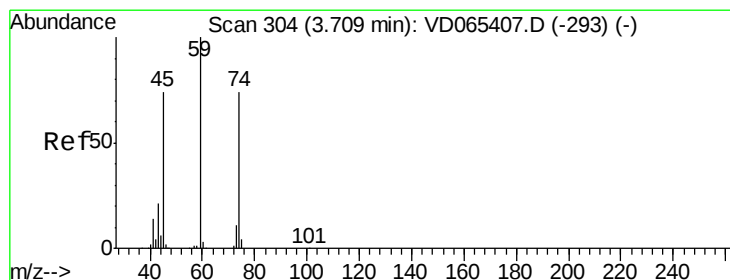
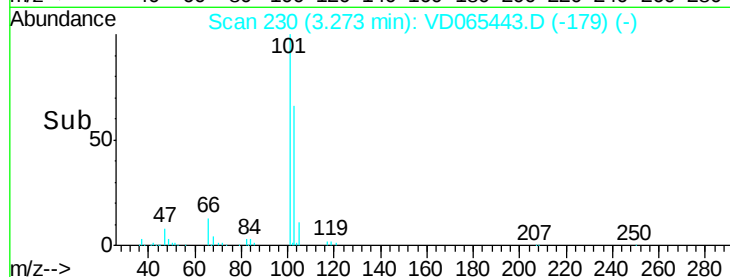
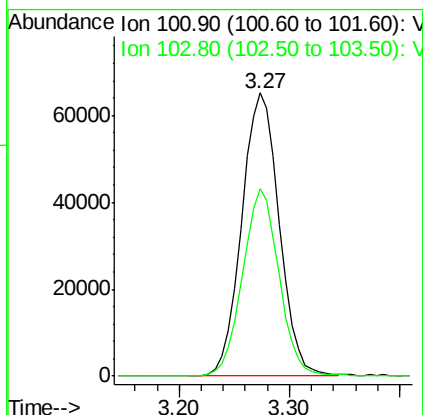
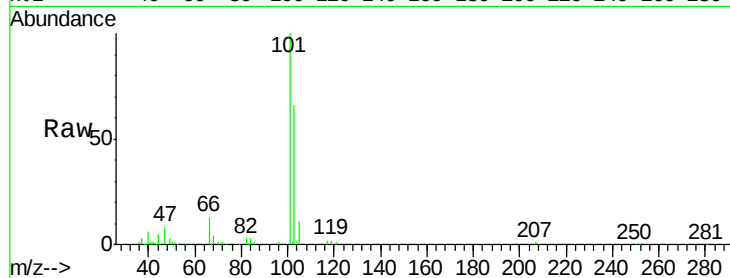
Trichlorofluoromethane
Concen: 21.038 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
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VD0309SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.1	78.1

Manual Integrations
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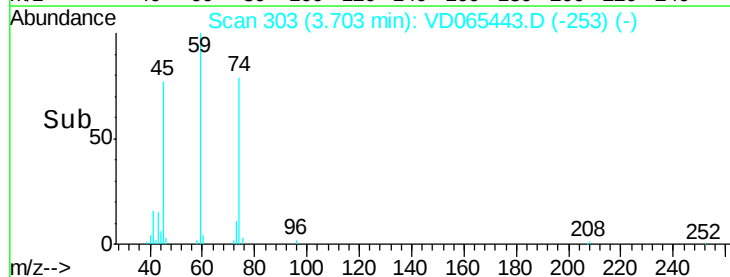
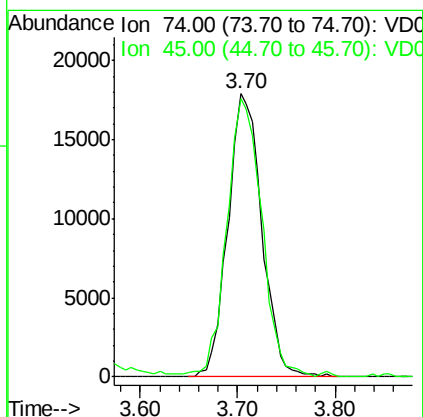
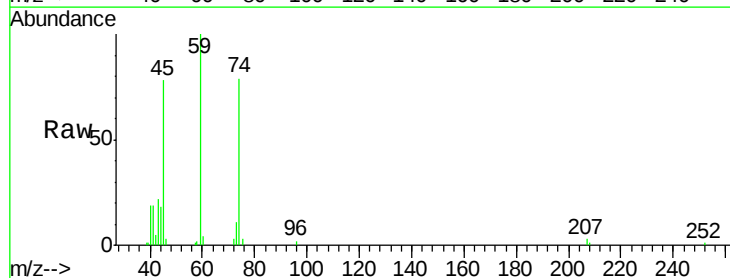
MMDadoda
3/10/2020 3:34:26 PM

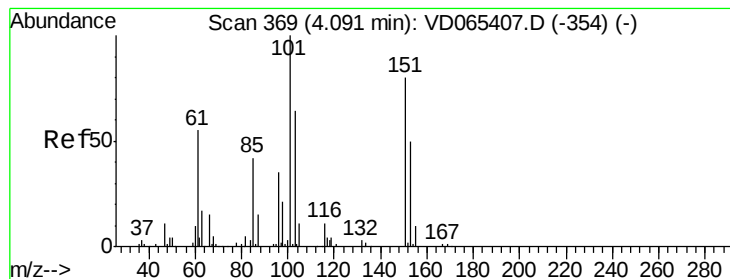


#8

Diethyl Ether
Concen: 19.583 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.436 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

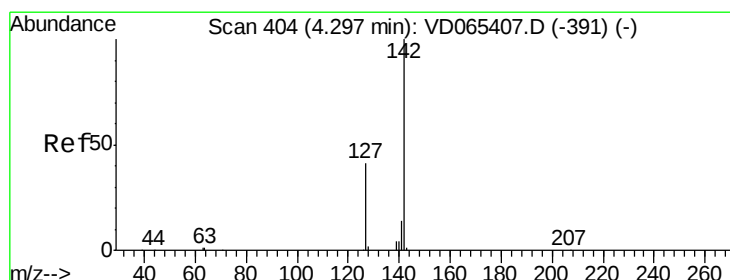
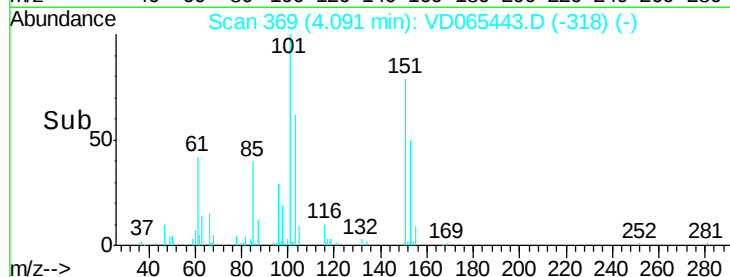
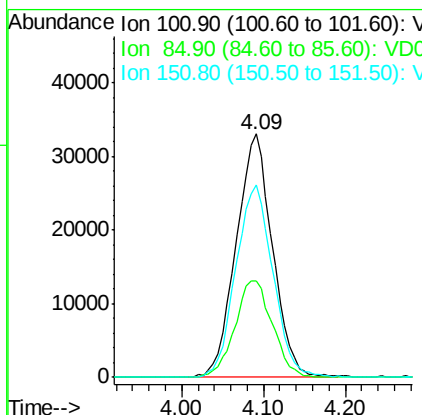
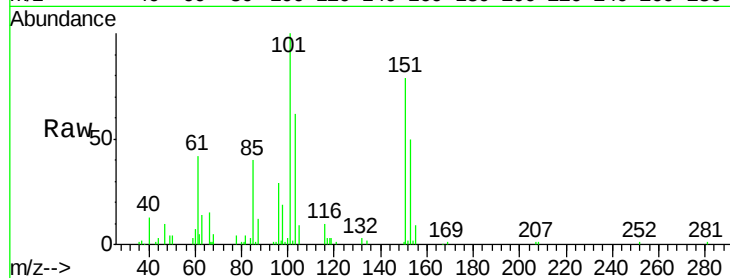
ClientSampleId :

VD0309SBS01

Tot Ion:	101	Resp:	101988
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.2
151	80.9	65.1	97.7

Manual Integrations
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3/10/2020 3:34:26 PM



#10

Methyl Iodide

Concen: 19.267 ug/l

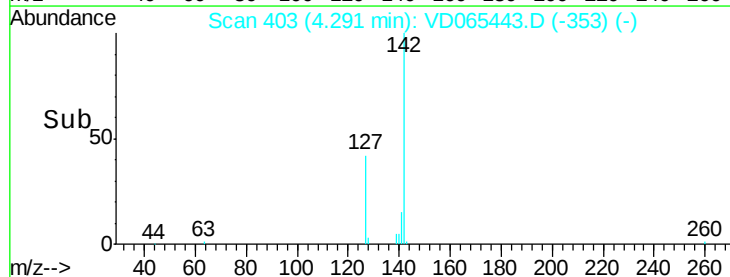
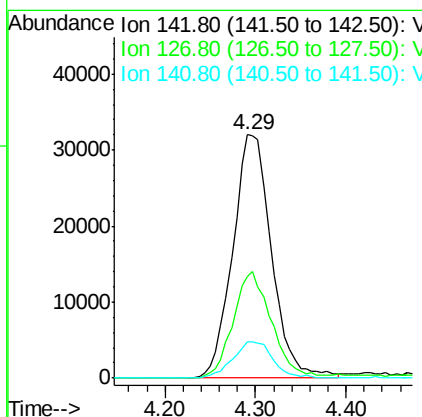
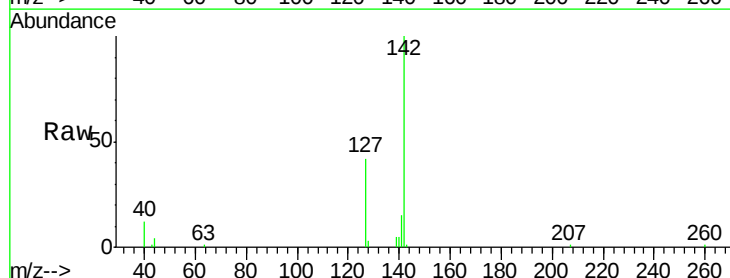
RT: 4.29 min Scan# 403

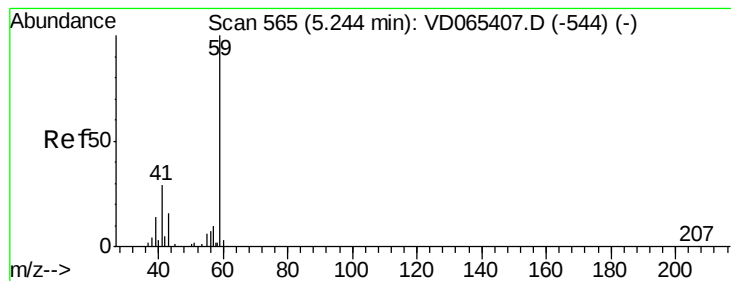
Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion:	142	Resp:	95234
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	15.3	12.4	18.6





#11

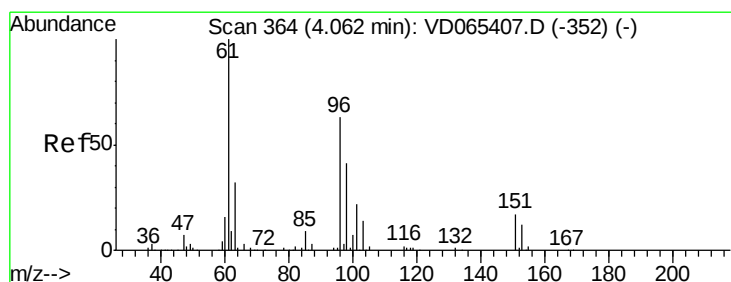
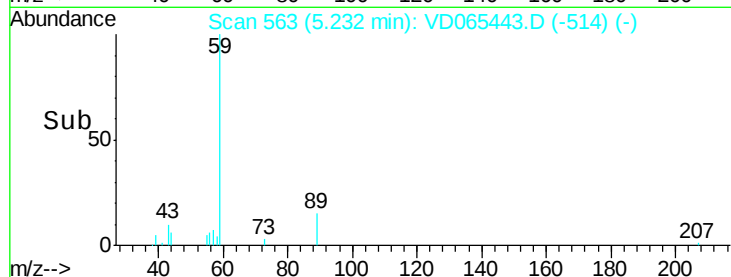
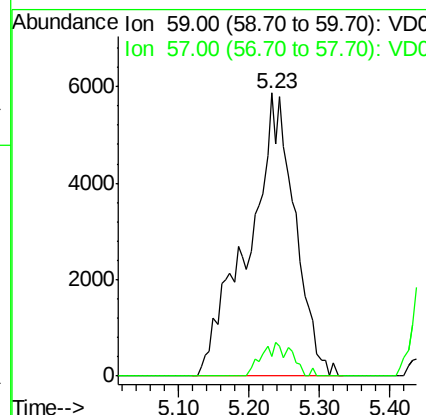
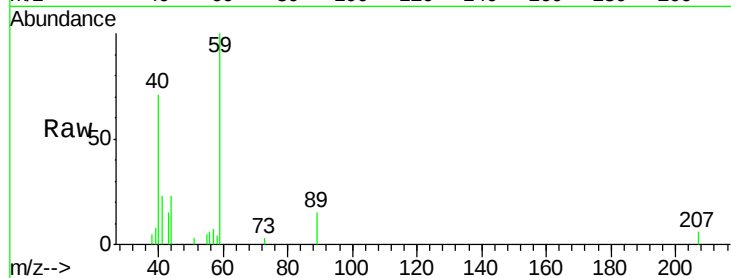
Tert butyl alcohol
Concen: 112.818 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	27193		
57	5.3	6.9	10.3	

Manual Integrations
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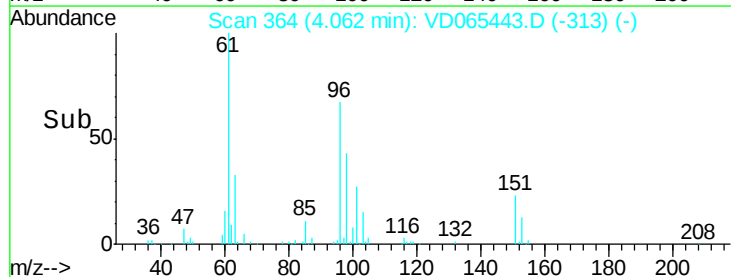
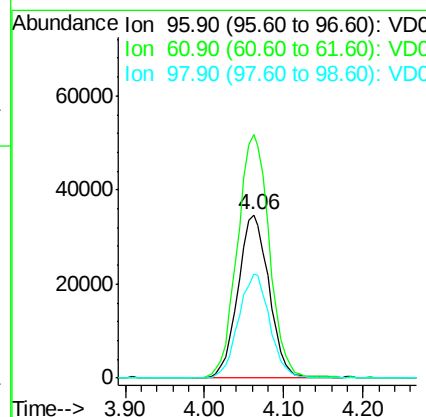
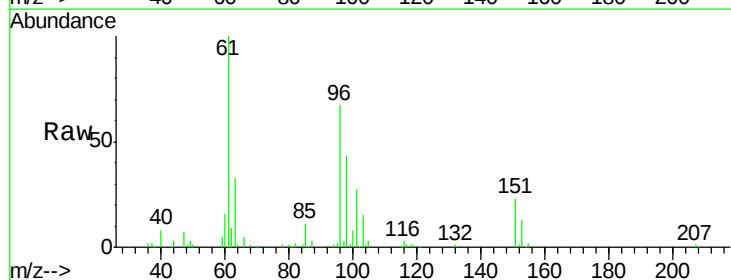
MMDadoda
3/10/2020 3:34:26 PM

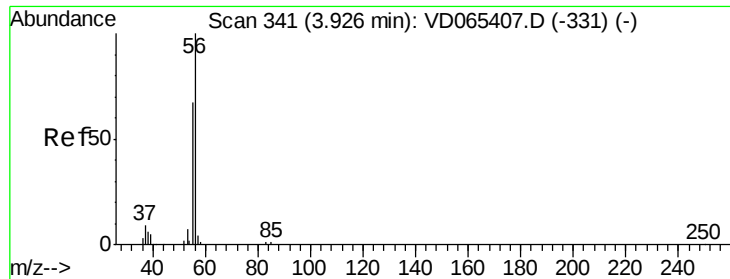


#12

1,1-Dichloroethene
Concen: 20.760 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	94579		
61	149.2	128.0	192.0	
98	63.8	51.9	77.9	





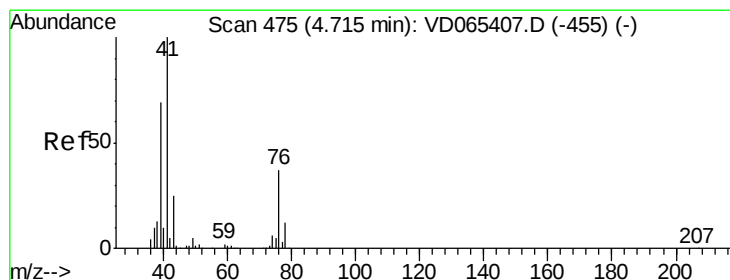
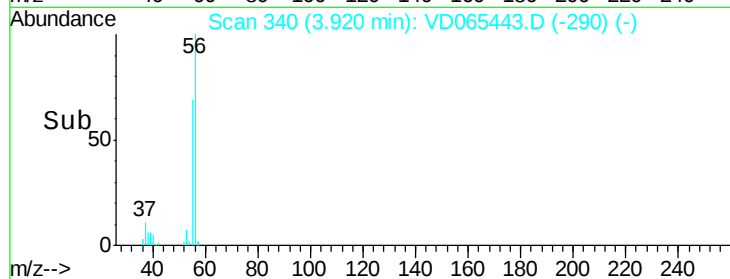
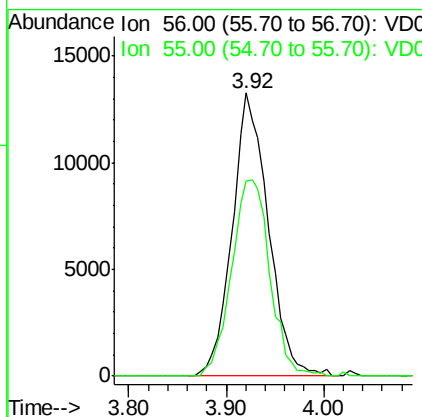
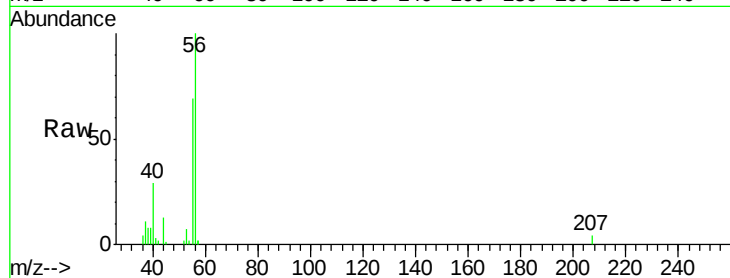
#13
 Acrolein
 Concen: 81.758 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.6	85.0

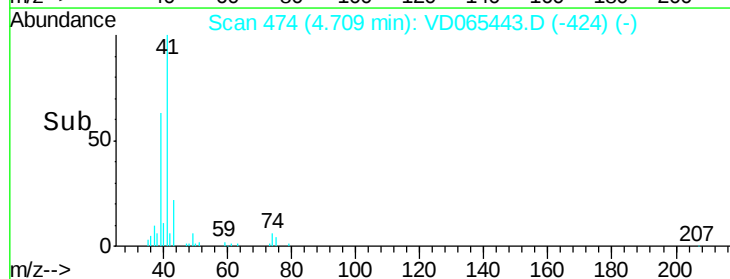
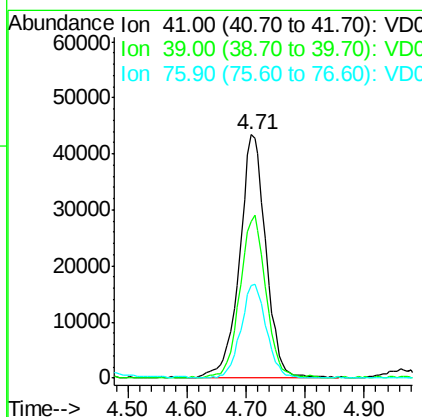
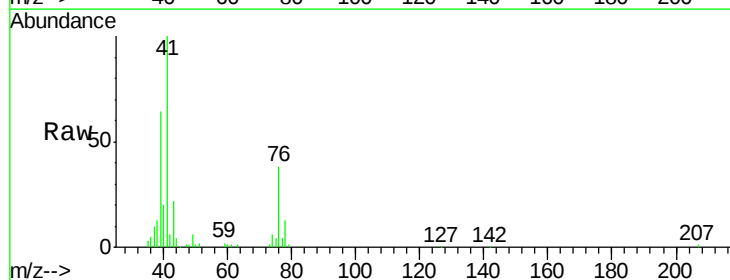
Manual Integrations
 APPROVED

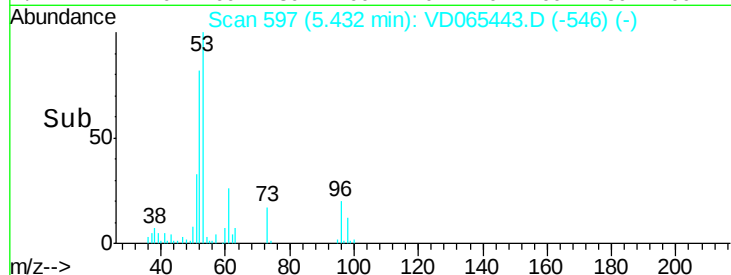
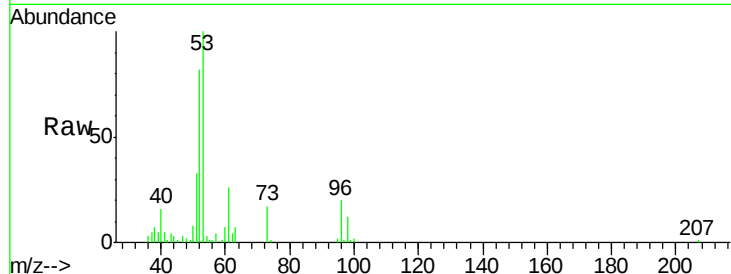
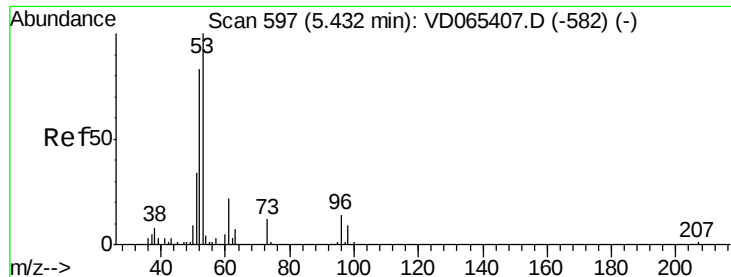
MMDadoda
 3/10/2020 3:34:26 PM



#14
 Allyl chloride
 Concen: 19.346 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.9	52.6	79.0
76	37.4	29.2	43.8





#15

Acrylonitrile

Concen: 91.584 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065443.D

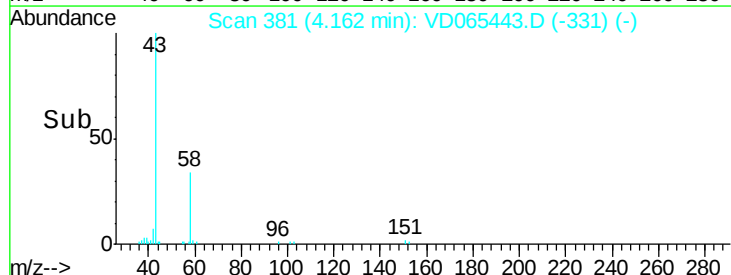
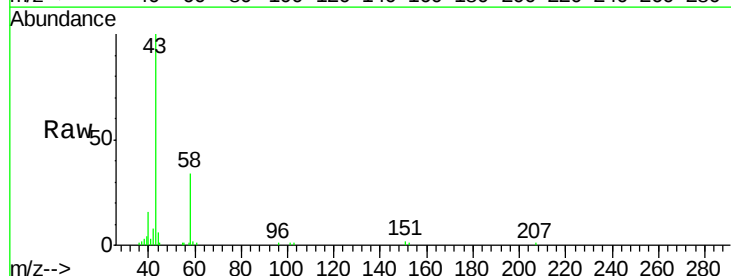
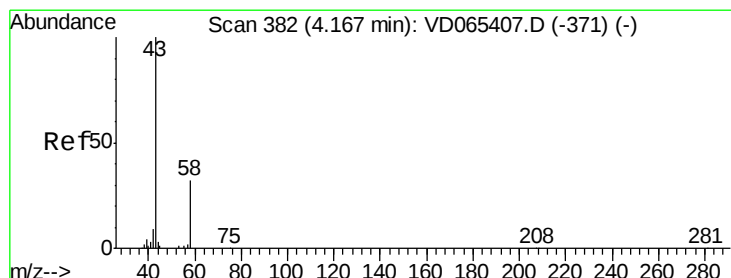
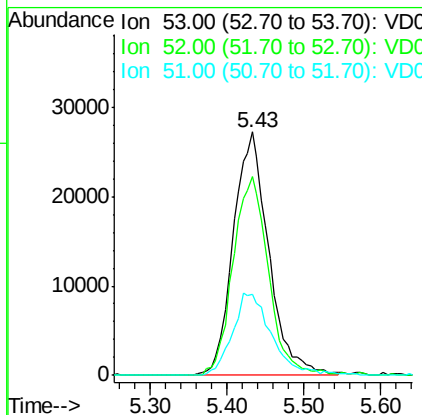
Acq: 09 Mar 2020 11:59

Tot Ion:	53	Resp:	87530
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.1	97.7
51	36.6	28.5	42.7

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Manual Integrations
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3/10/2020 3:34:26 PM



#16

Acetone

Concen: 87.310 ug/l

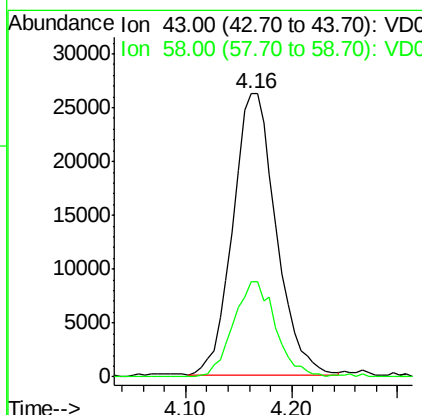
RT: 4.16 min Scan# 381

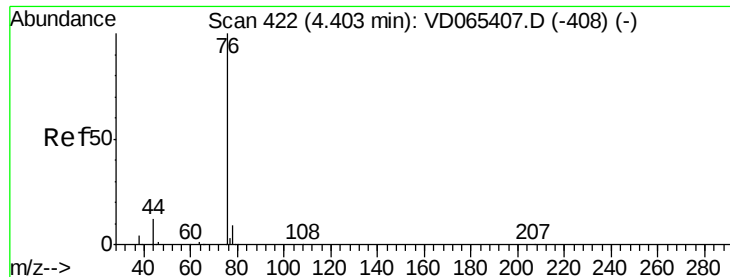
Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion:	43	Resp:	74200
Ion Ratio	Lower	Upper	
43	100		
58	34.0	25.1	37.7





#17

Carbon Disulfide

Concen: 20.726 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 76 Resp: 314453

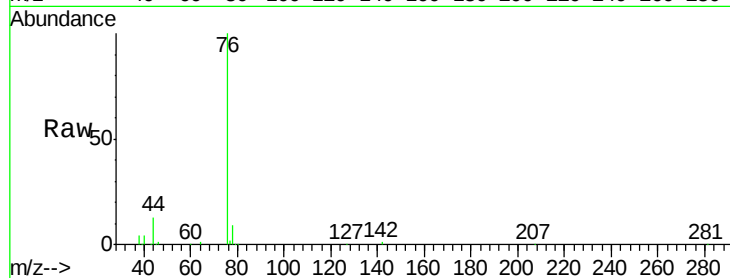
Ion Ratio Lower Upper

76 100

78 8.8 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

120000

100000

80000

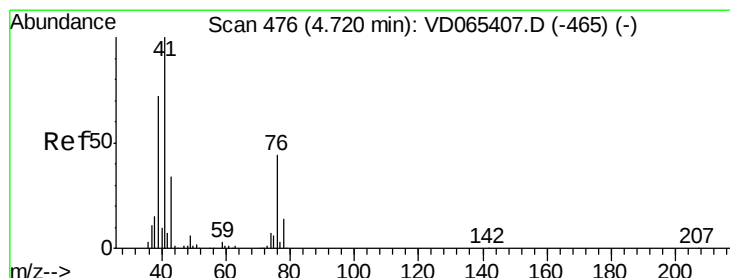
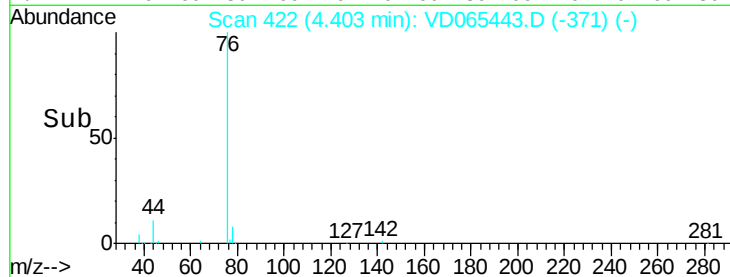
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.667 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065443.D

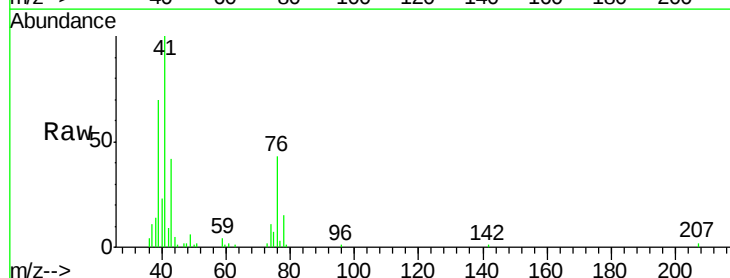
Acq: 09 Mar 2020 11:59

Tgt Ion: 43 Resp: 40241

Ion Ratio Lower Upper

43 100

74 25.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

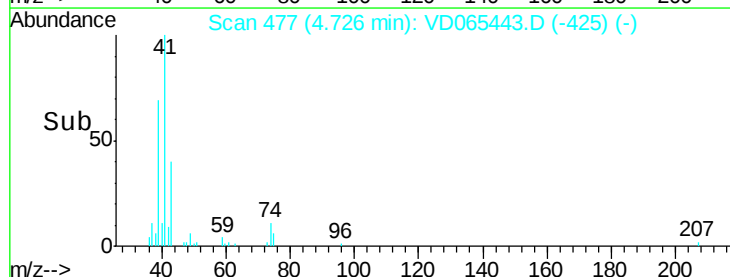
15000

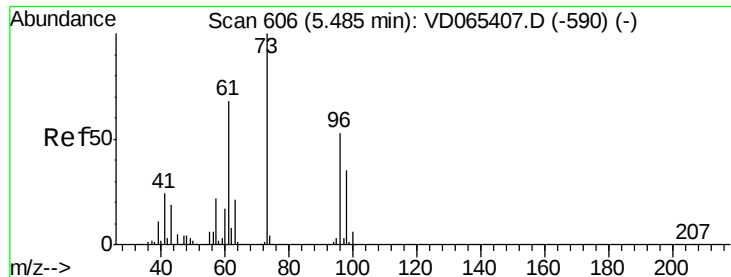
10000

5000

0

Time-->





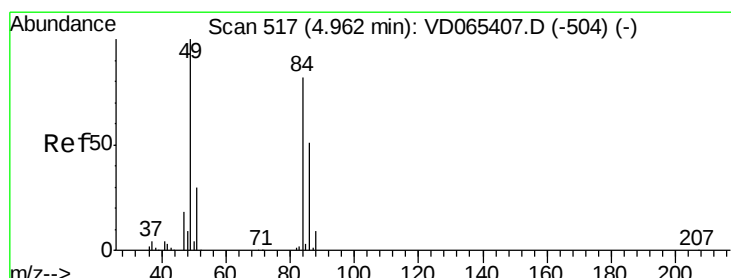
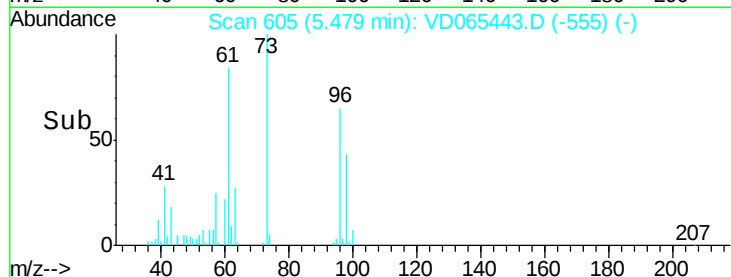
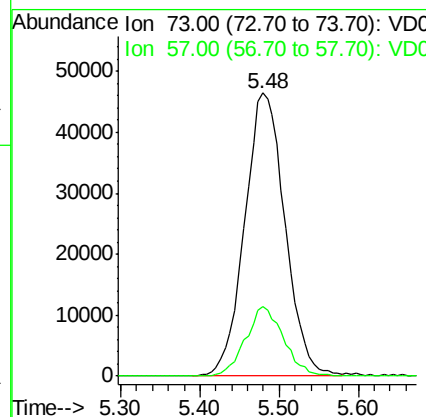
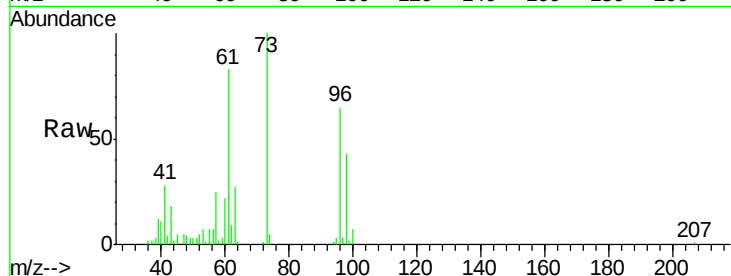
#19
Methyl tert-butyl Ether
Concen: 18.751 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion: 73 Resp: 164279
Ion Ratio Lower Upper
73 100
57 24.7 17.3 25.9

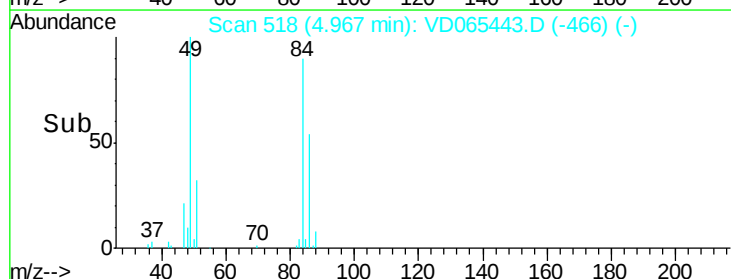
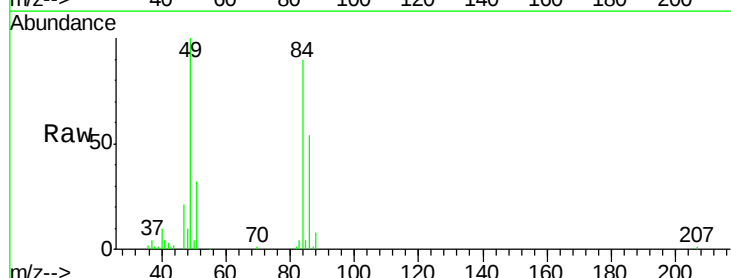
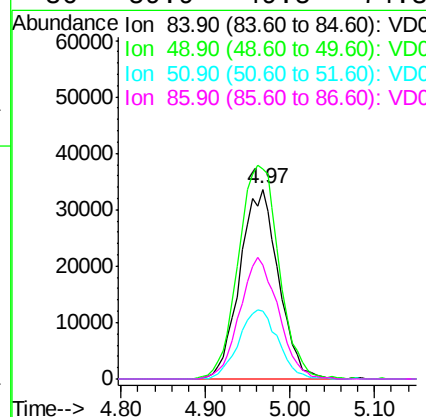
Manual Integrations
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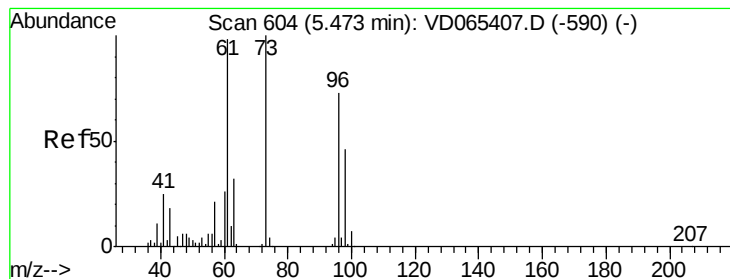
MMDadoda
3/10/2020 3:34:26 PM



#20
Methylene Chloride
Concen: 21.134 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 84 Resp: 106745
Ion Ratio Lower Upper
84 100
49 110.8 97.7 146.5
51 35.7 28.8 43.2
86 59.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.739 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

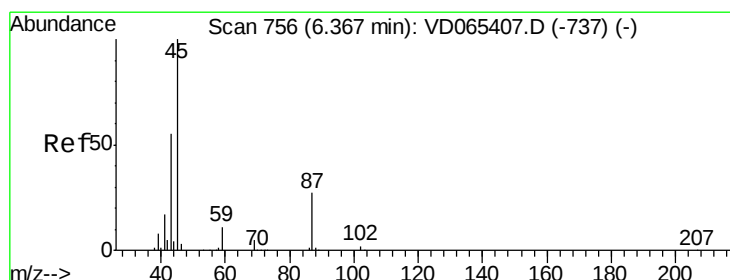
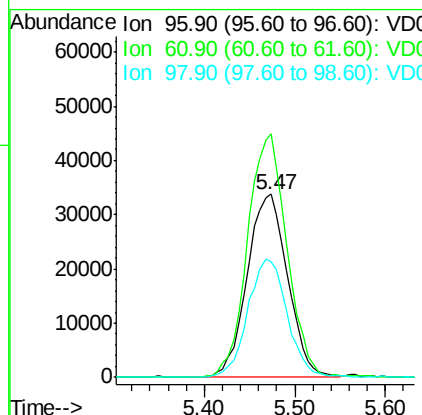
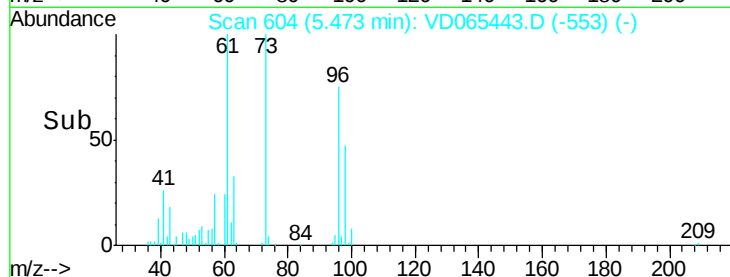
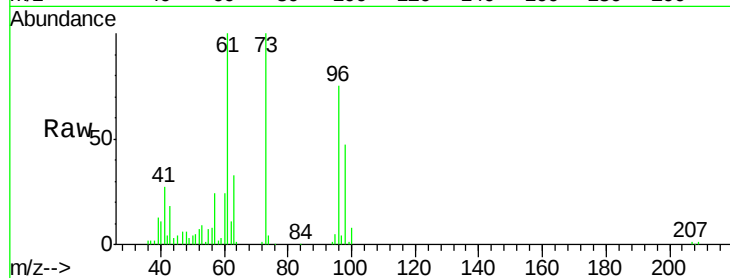
ClientSampleId :

VD0309SBS01

Tot Ion:	96	Resp:	105105
Ion	Ratio	Lower	Upper
96	100		
61	132.8	106.3	159.5
98	63.1	50.2	75.4

Manual Integrations
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3/10/2020 3:34:26 PM



#22

Diisopropyl ether

Concen: 20.643 ug/l

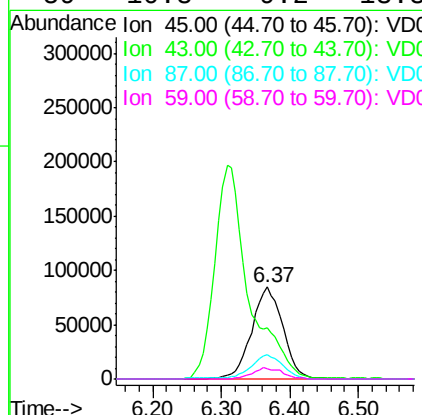
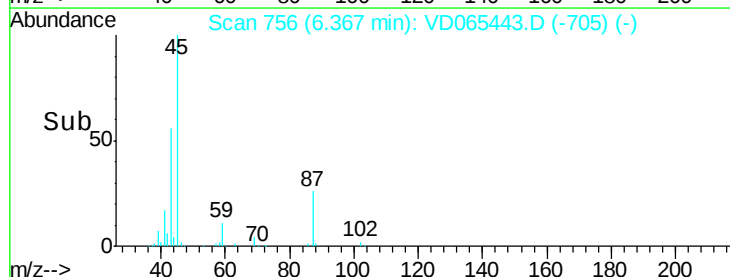
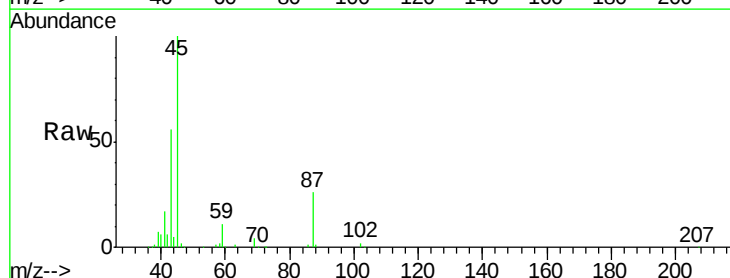
RT: 6.37 min Scan# 756

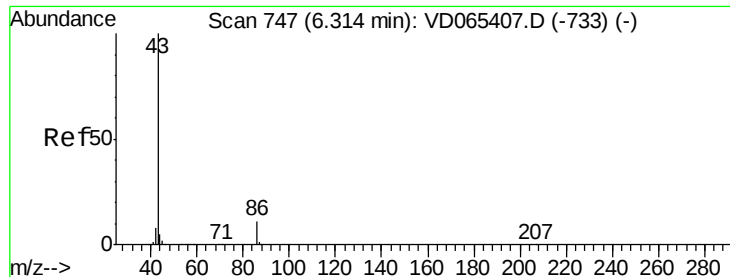
Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion:	45	Resp:	268565
Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.4	66.6
87	26.1	21.9	32.9
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 93.879 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 43 Resp: 678167

Ion Ratio Lower Upper

43 100

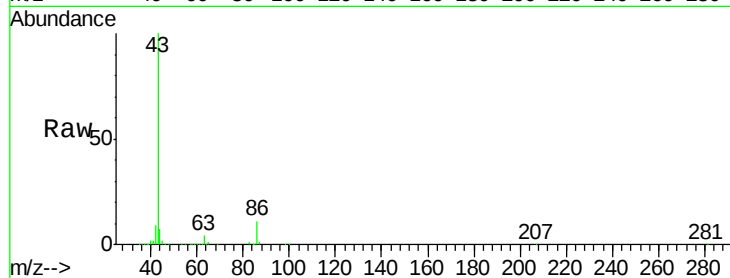
86 11.2 8.9 13.3

Manual Integrations

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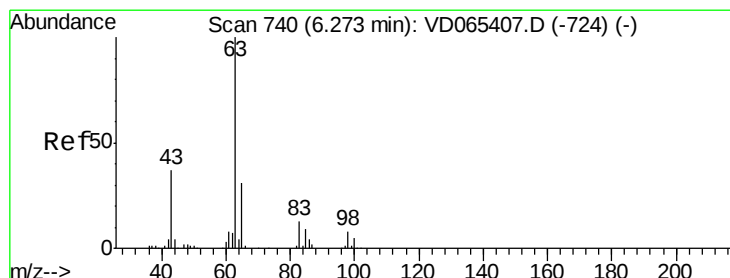
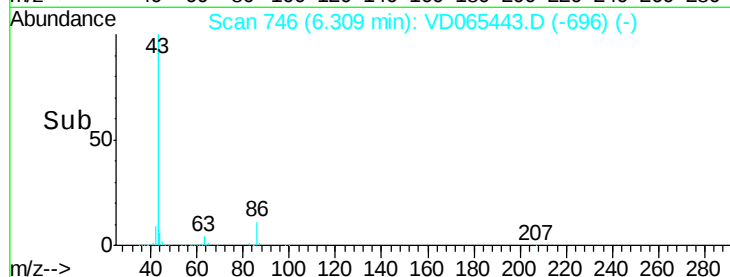
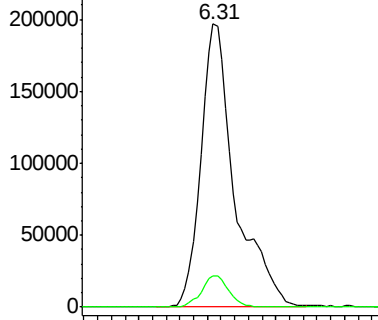
MMDadoda

3/10/2020 3:34:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.734 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

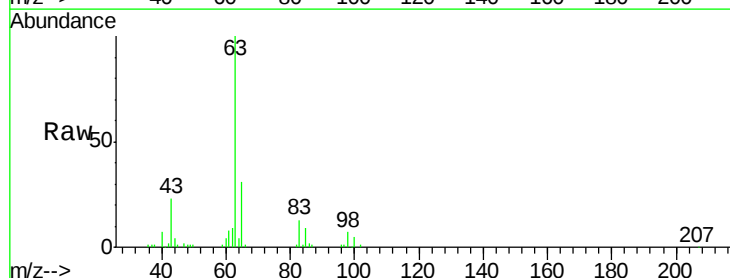
Tgt Ion: 63 Resp: 173025

Ion Ratio Lower Upper

63 100

98 7.3 4.2 12.6

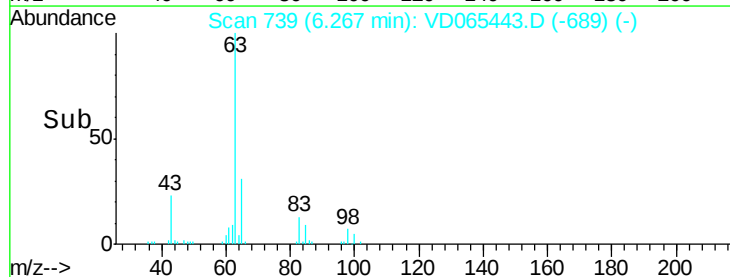
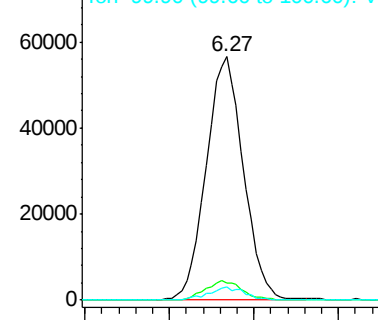
100 5.3 2.4 7.2

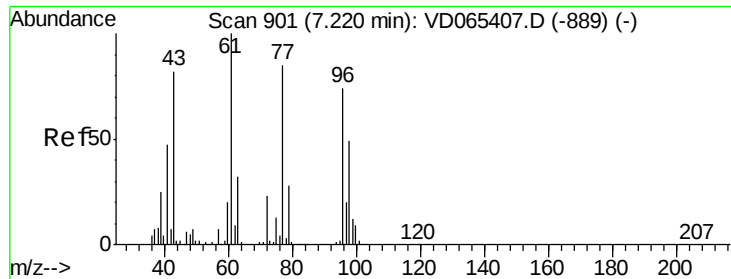


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





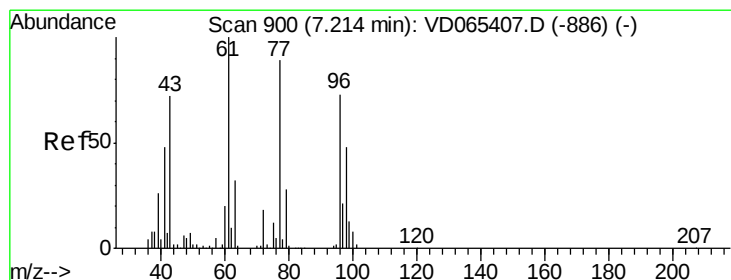
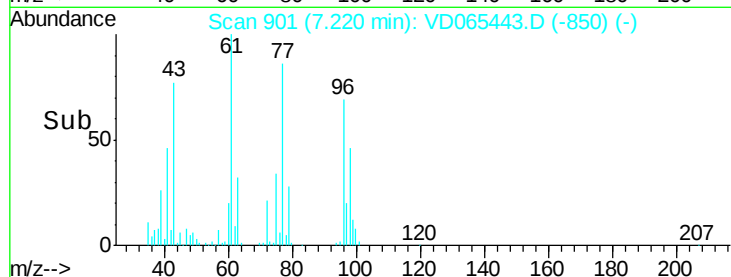
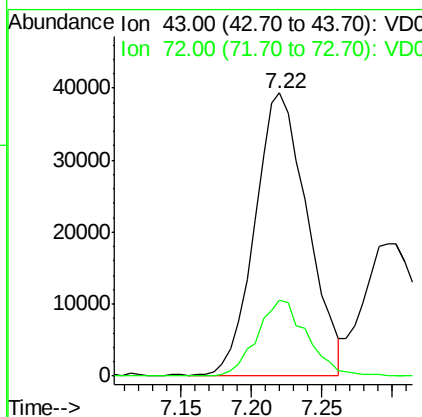
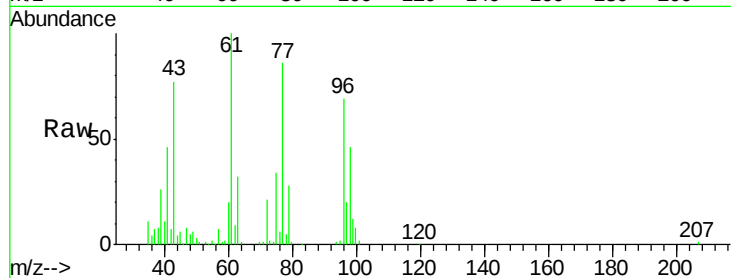
#25
2-Butanone
Concen: 88.665 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion: 43 Resp: 102829
Ion Ratio Lower Upper
43 100
72 27.0 22.3 33.5

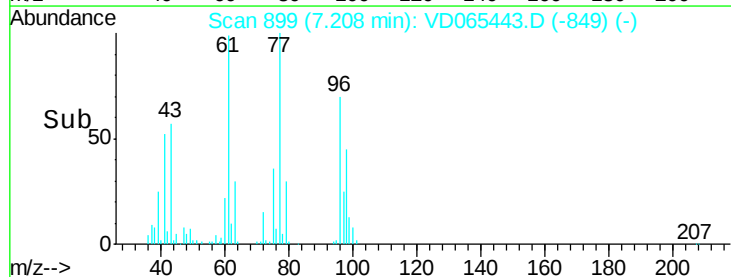
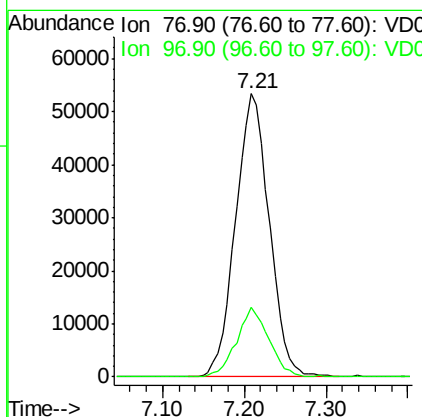
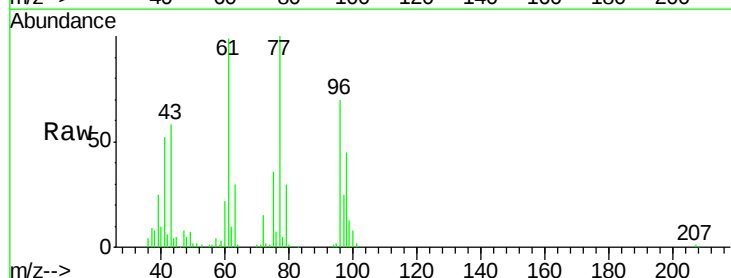
Manual Integrations
APPROVED

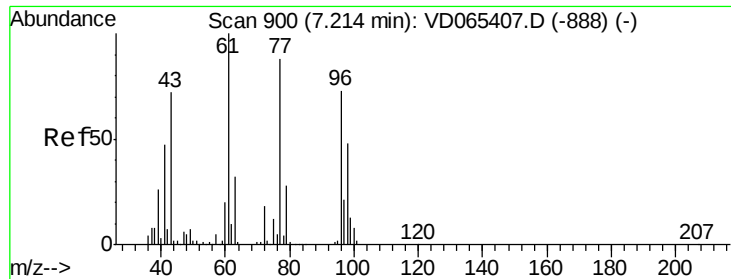
MMDadoda
3/10/2020 3:34:26 PM



#26
2,2-Dichloropropane
Concen: 20.970 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 77 Resp: 152922
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.4





#27

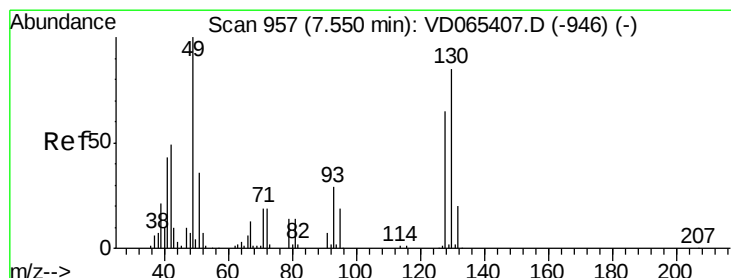
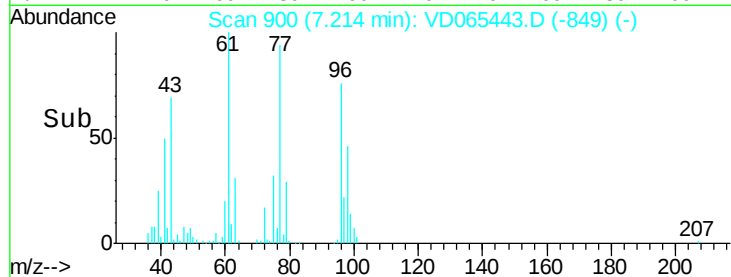
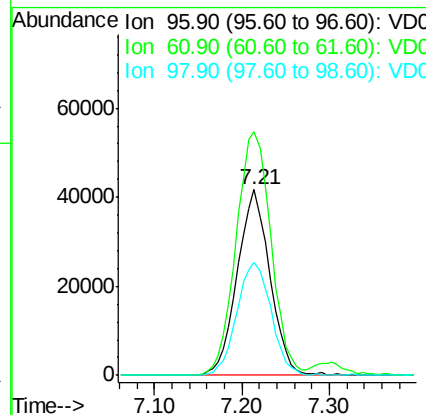
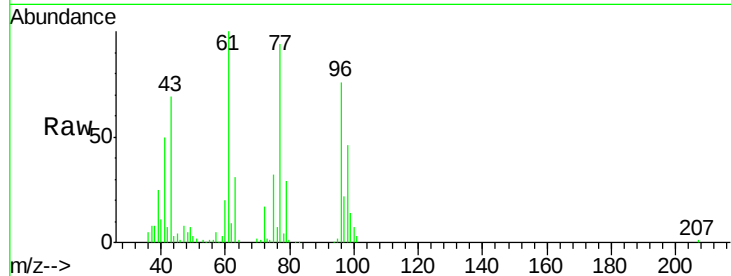
cis-1,2-Dichloroethene
 Concen: 20.401 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.1	0.0	280.4	
98	63.6	0.0	132.6	

Manual Integrations
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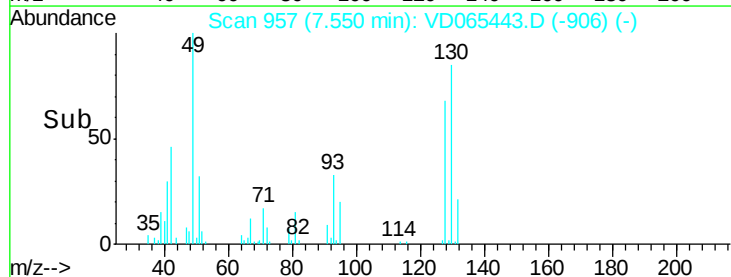
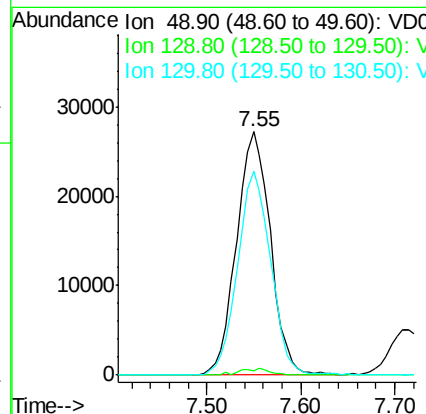
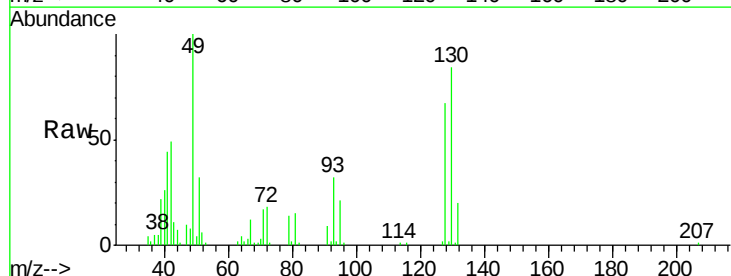
MMDadoda
 3/10/2020 3:34:26 PM

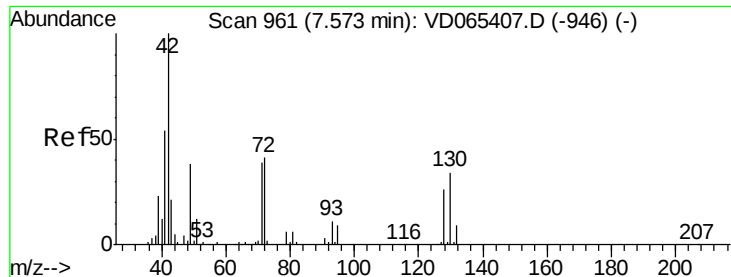


#28

Bromochloromethane
 Concen: 20.346 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	82.3	66.6	100.0	





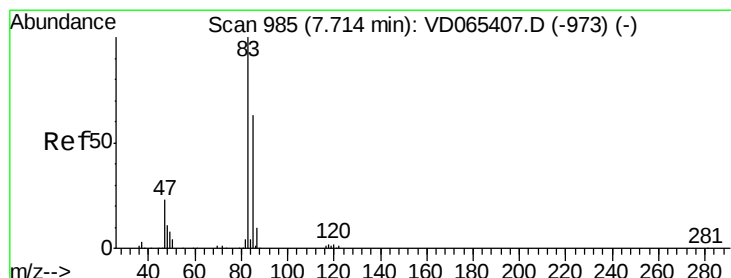
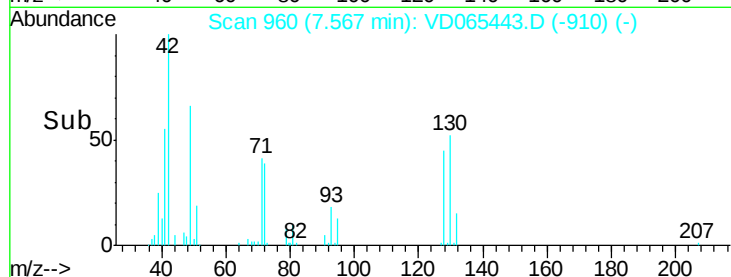
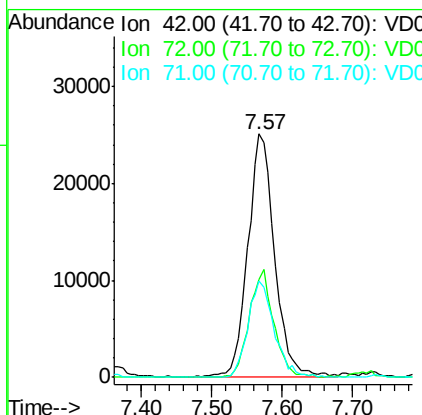
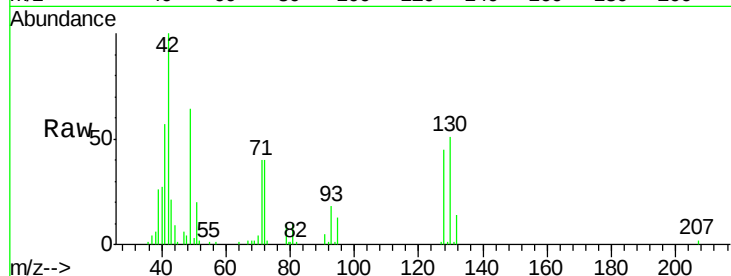
#29
Tetrahydrofuran
Concen: 90.071 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.0	49.6
71	38.5	32.0	48.0

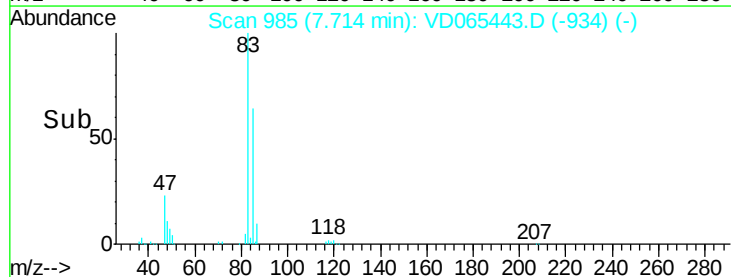
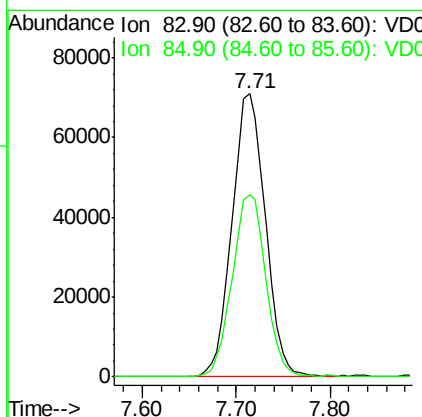
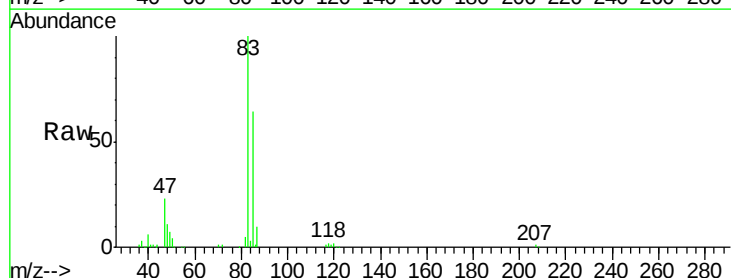
Manual Integrations
APPROVED

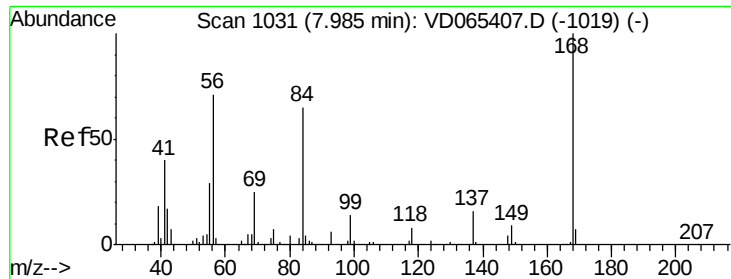
MMDadoda
3/10/2020 3:34:26 PM



#30
Chloroform
Concen: 20.989 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5





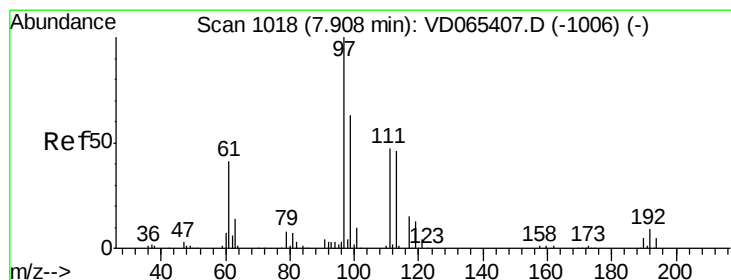
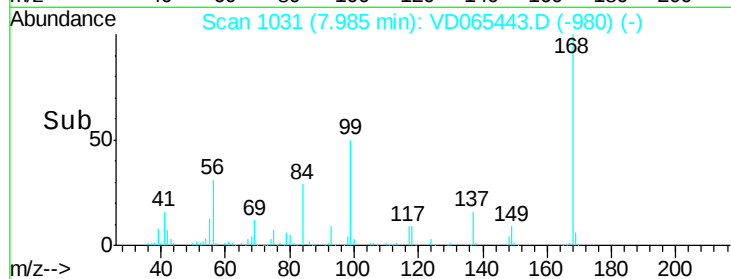
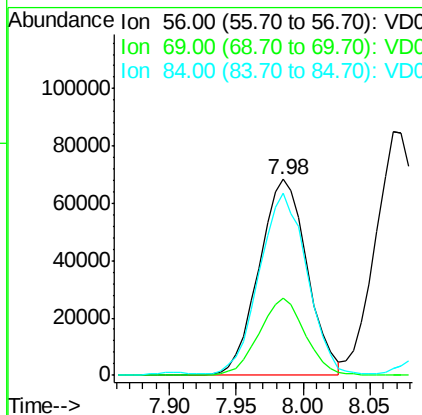
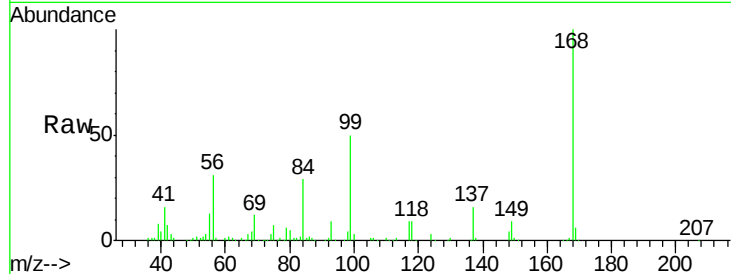
#31
Cyclohexane
Concen: 20.537 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	28.3	42.5
84	91.9	73.1	109.7

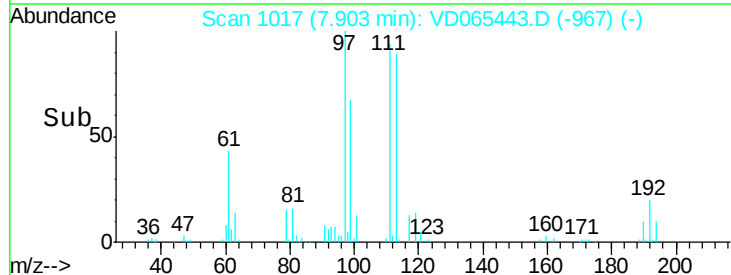
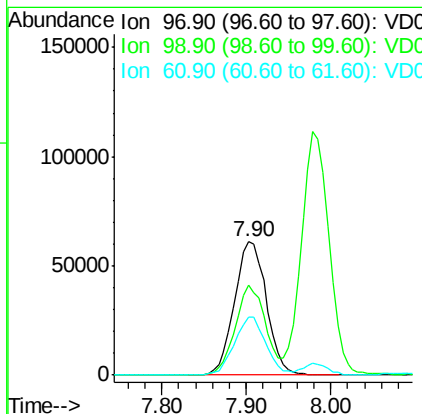
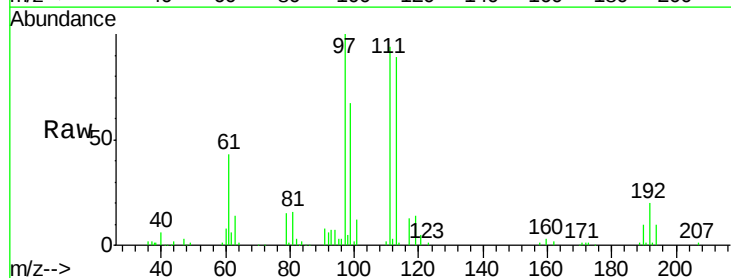
Manual Integrations
APPROVED

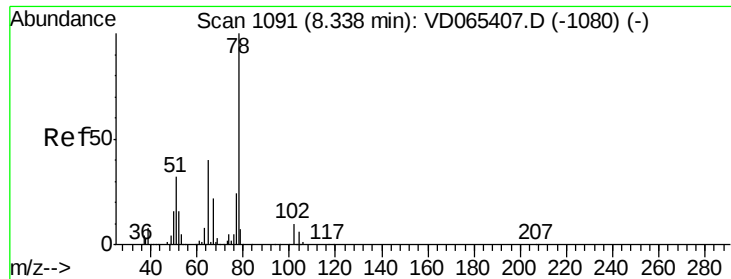
MMDadoda
3/10/2020 3:34:26 PM



#32
1,1,1-Trichloroethane
Concen: 20.751 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.9	76.3
61	42.8	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 49.457 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 65 Resp: 207825

Ion Ratio Lower Upper

65 100

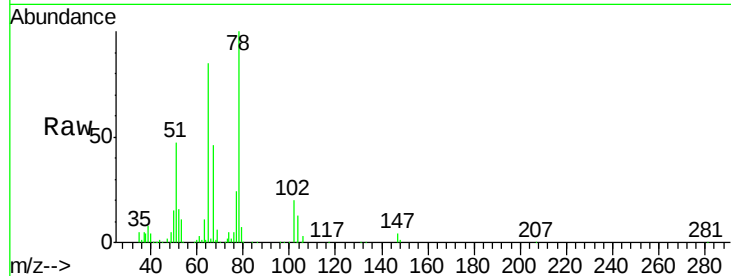
67 54.7 0.0 108.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

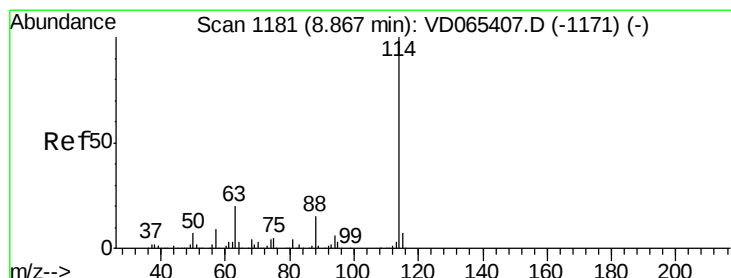
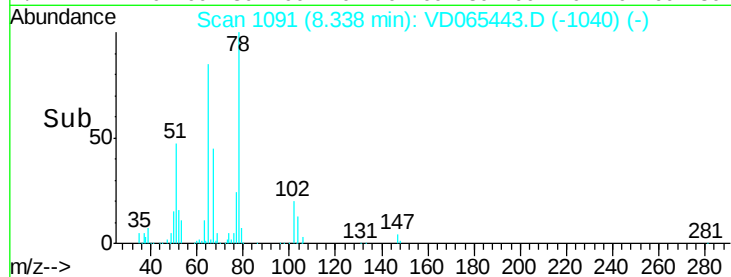
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

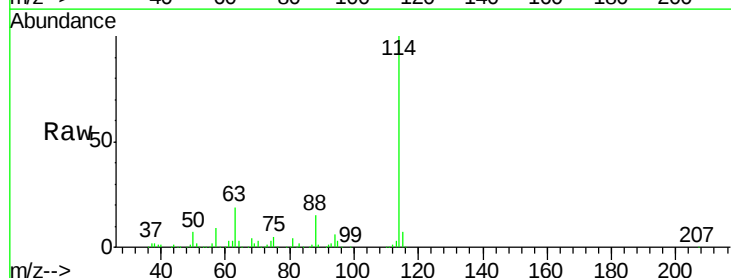
Tgt Ion: 114 Resp: 719033

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 14.7 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

400000

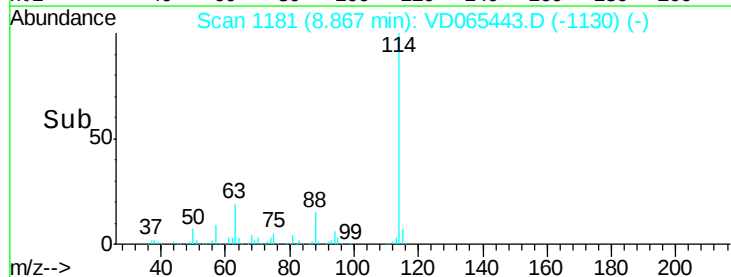
300000

200000

100000

0

Time-->





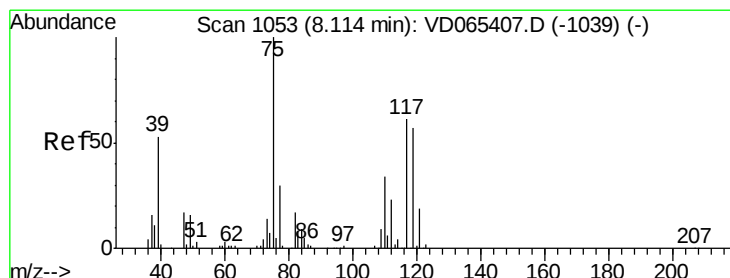
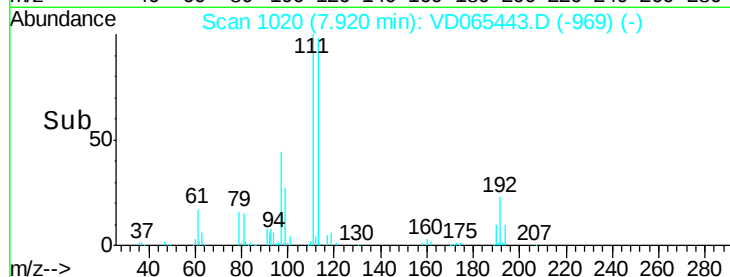
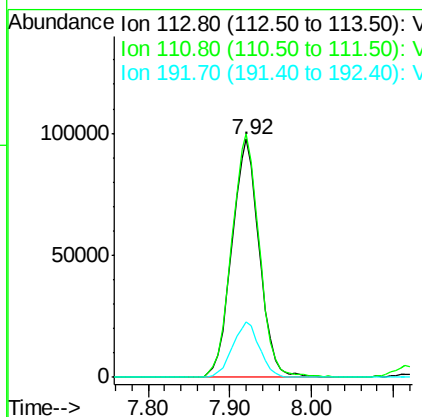
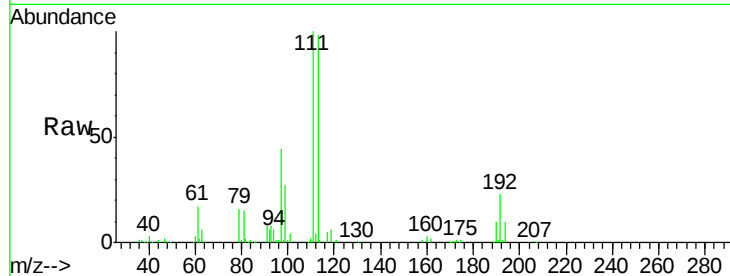
#35
 Dibromofluoromethane
 Concen: 51.136 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227378		
111	103.0	82.1	123.1	
192	22.9	17.2	25.8	

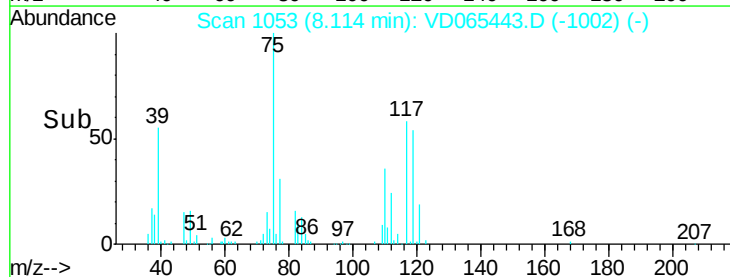
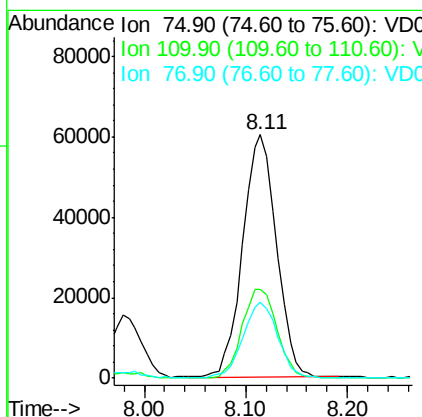
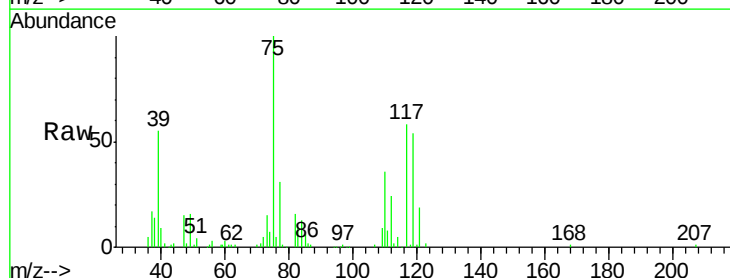
Manual Integrations
 APPROVED

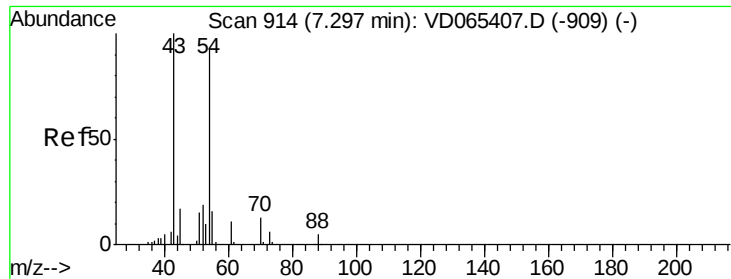
MMDadoda
 3/10/2020 3:34:26 PM



#36
 1,1-Dichloropropene
 Concen: 20.204 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139257		
110	37.9	18.1	54.1	
77	32.4	25.2	37.8	





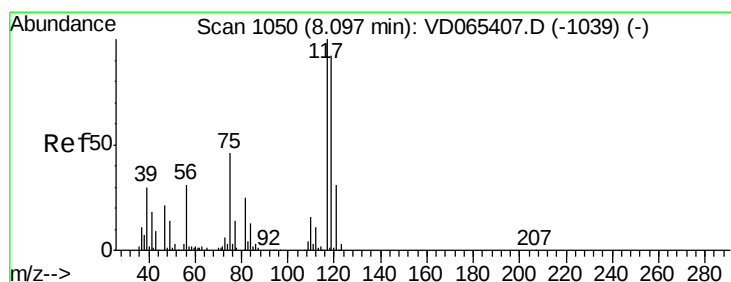
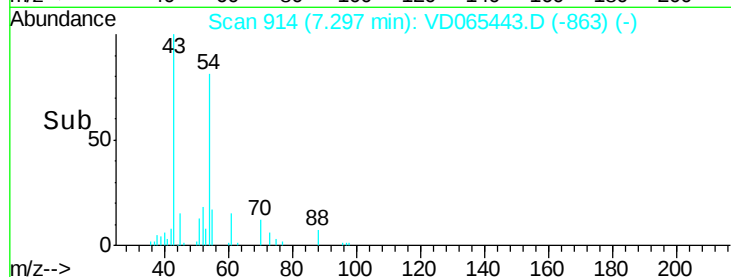
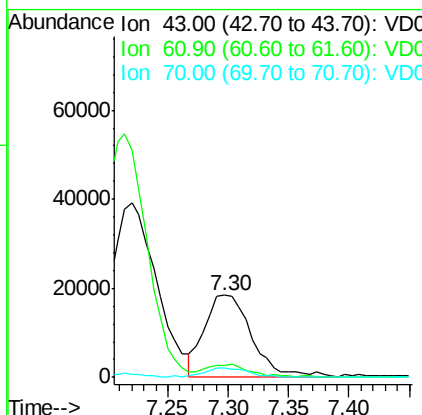
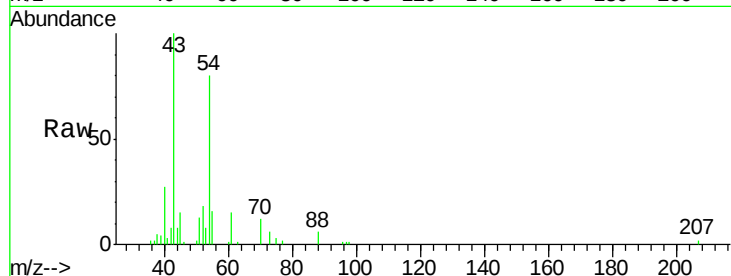
#37
Ethyl Acetate
Concen: 18.453 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.4	17.0
70	10.8	9.0	13.4

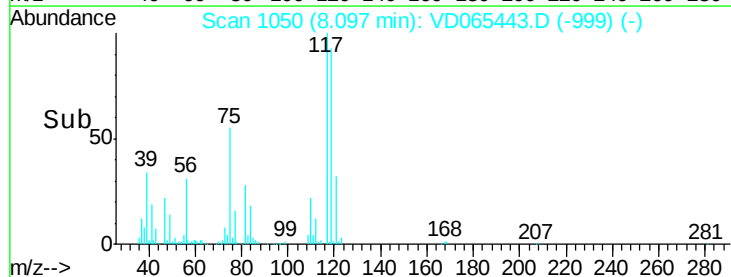
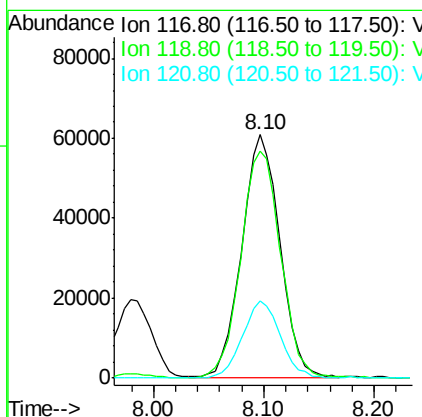
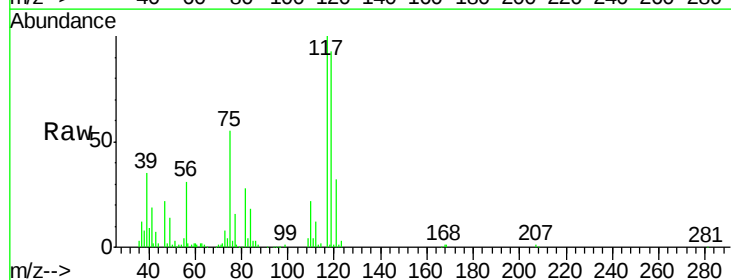
Manual Integrations
APPROVED

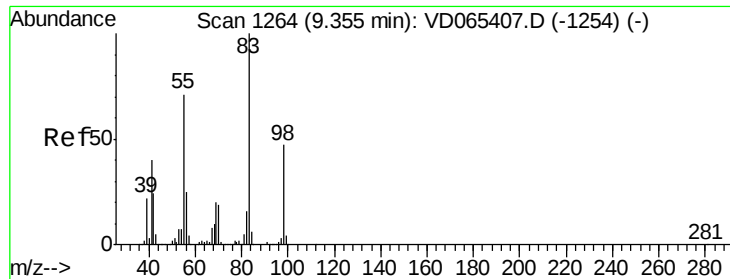
MMDadoda
3/10/2020 3:34:26 PM



#38
Carbon Tetrachloride
Concen: 20.769 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.3	109.9
121	31.9	25.0	37.4





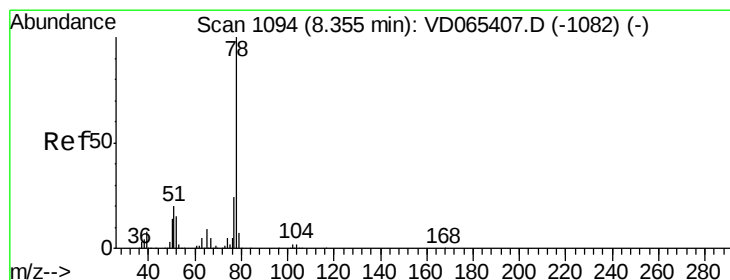
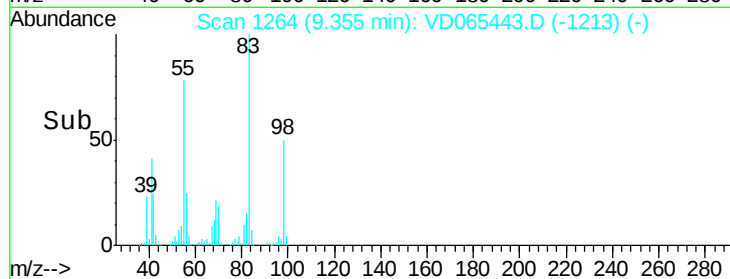
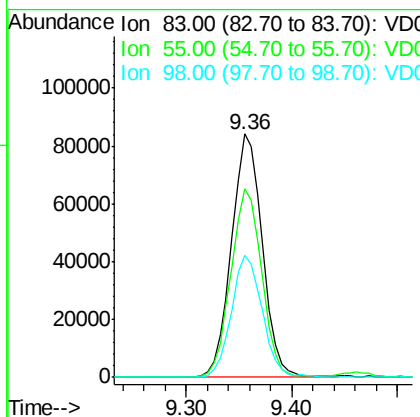
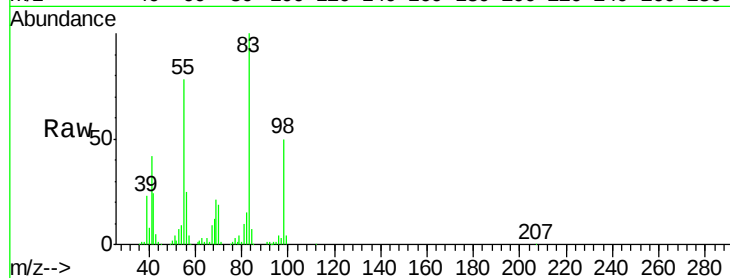
#39
Methvlcvclohexane
Concen: 20.378 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	57.1	85.7
98	50.0	37.8	56.8

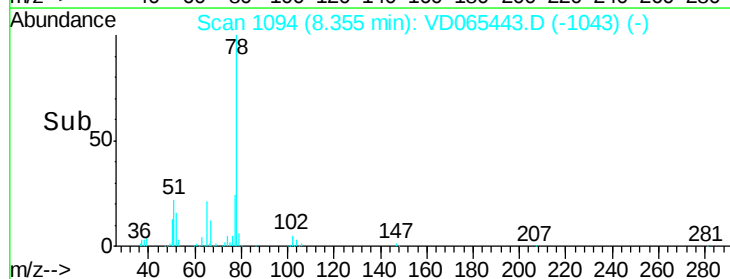
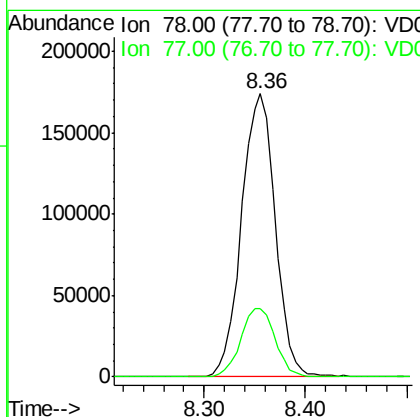
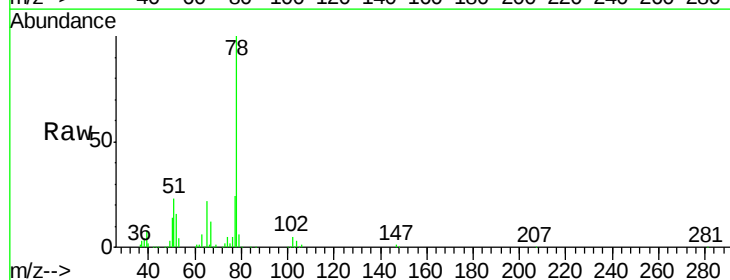
Manual Integrations
APPROVED

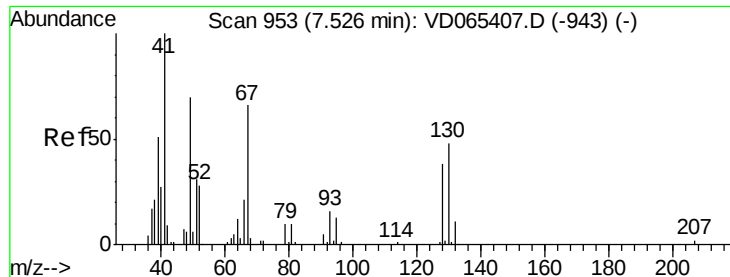
MMDadoda
3/10/2020 3:34:26 PM



#40
Benzene
Concen: 20.842 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





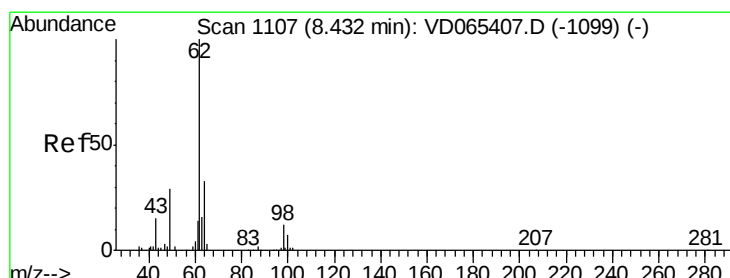
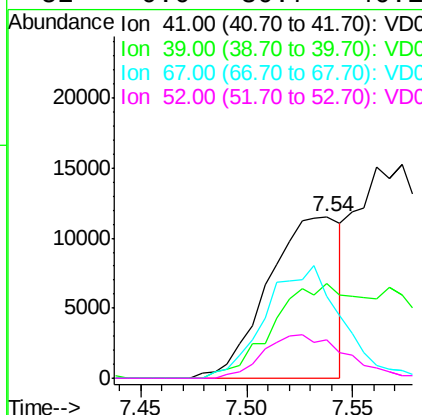
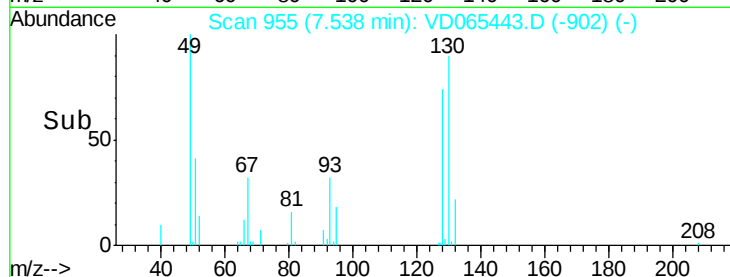
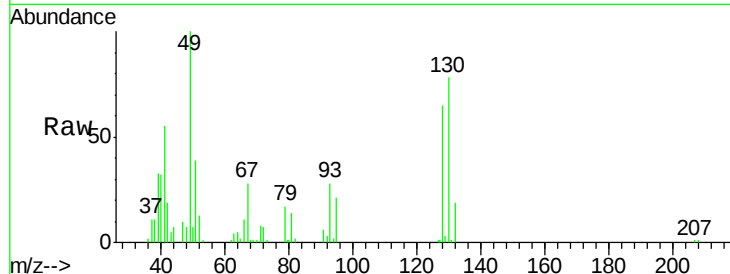
#41
Methacrylonitrile
Concen: 19.536 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.0	82.6#
67	0.0	70.3	105.5#
52	0.0	30.7	46.1#

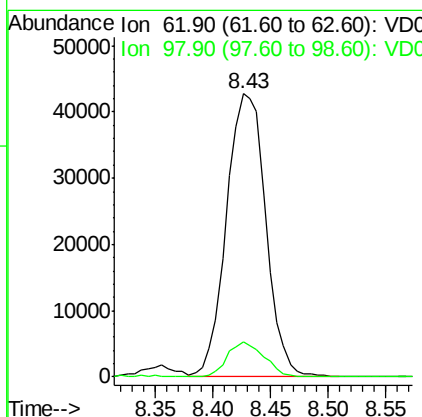
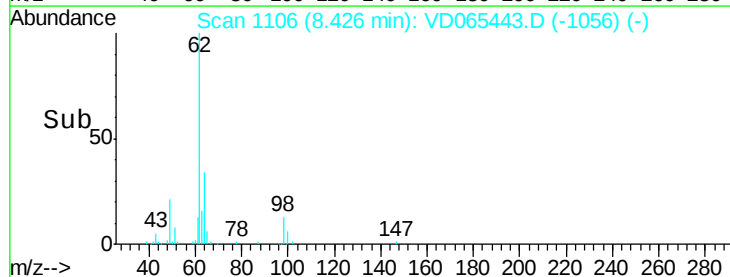
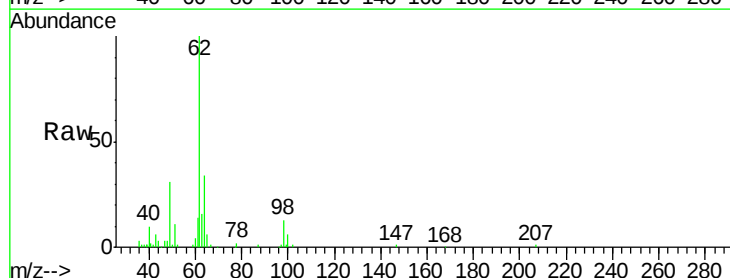
Manual Integrations
APPROVED

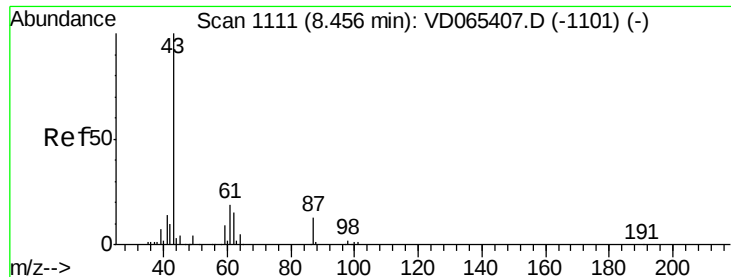
MMDadoda
3/10/2020 3:34:26 PM



#42
1,2-Dichloroethane
Concen: 20.060 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.4





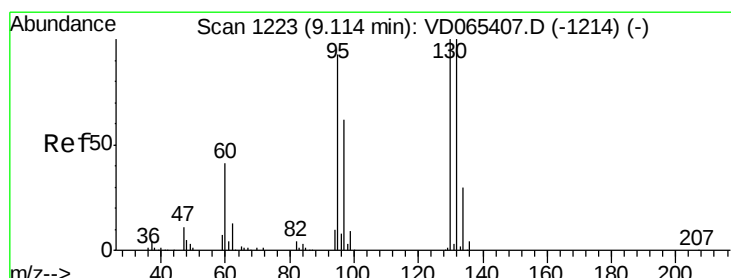
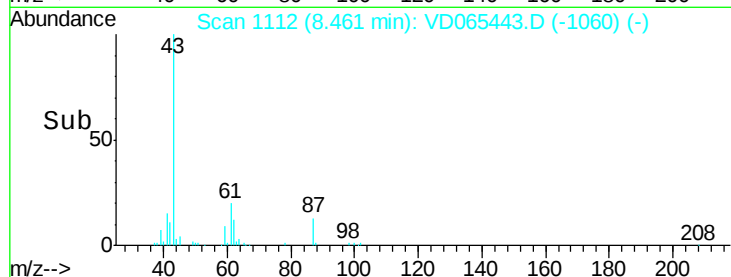
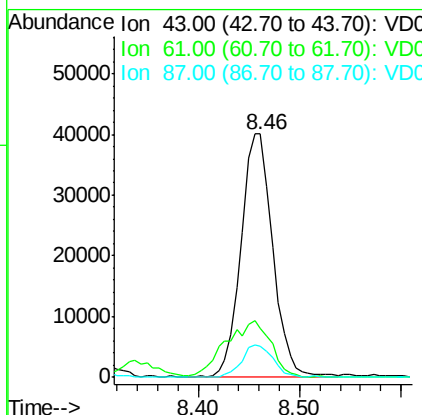
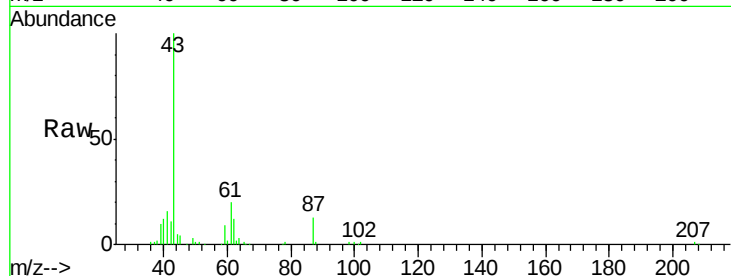
#43
Isopropyl Acetate
Concen: 17.783 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	43	Resp	87473
Ion Ratio	100	Lower	Upper
43	100		
61	33.2	25.0	37.6
87	12.9	11.0	16.4

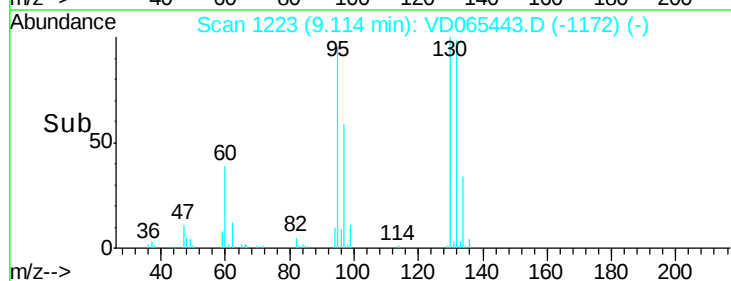
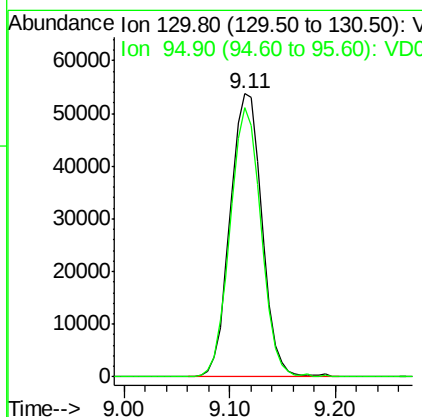
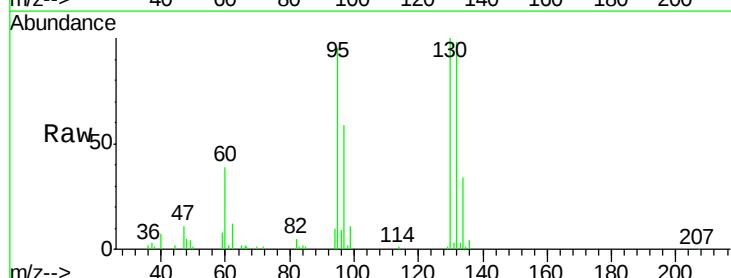
Manual Integrations
APPROVED

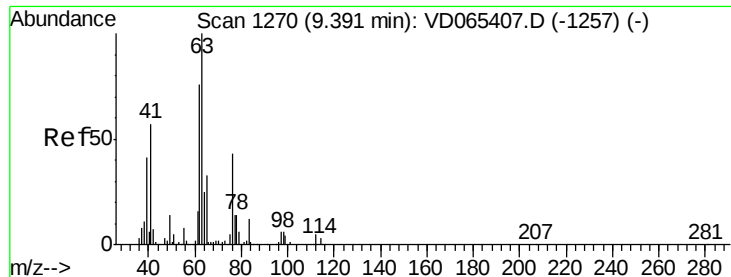
MMDadoda
3/10/2020 3:34:26 PM



#44
Trichloroethene
Concen: 20.580 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	130	Resp	111998
Ion Ratio	100	Lower	Upper
130	100		
95	95.2	0.0	186.0





#45

1,2-Dichloropropane

Concen: 20.988 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 63 Resp: 97974

Ion Ratio Lower Upper

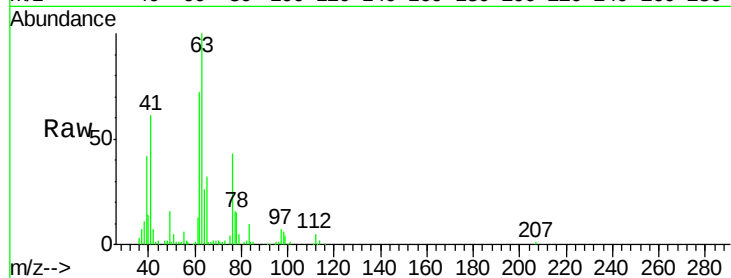
63 100

65 31.9 26.4 39.6

Manual Integrations
APPROVED

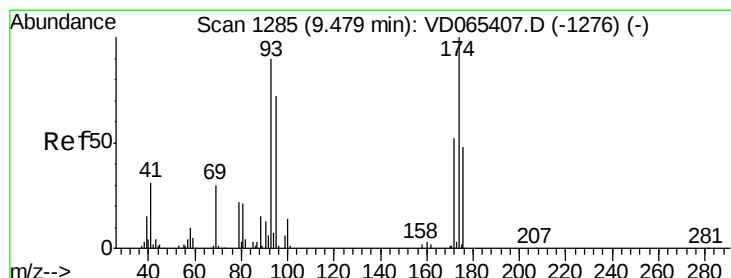
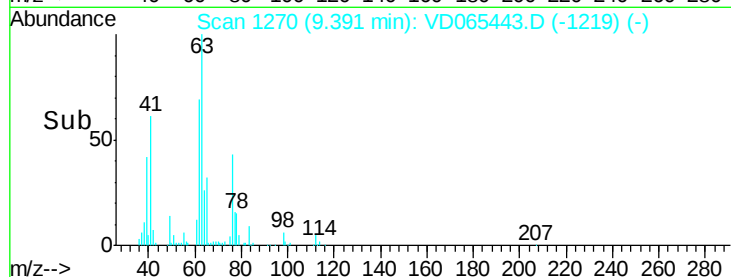
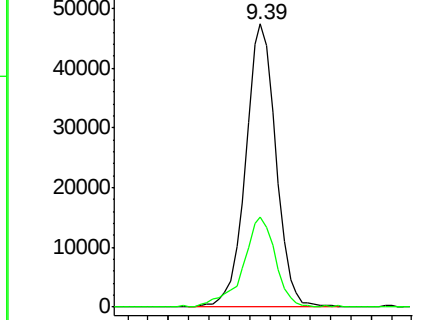
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.994 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

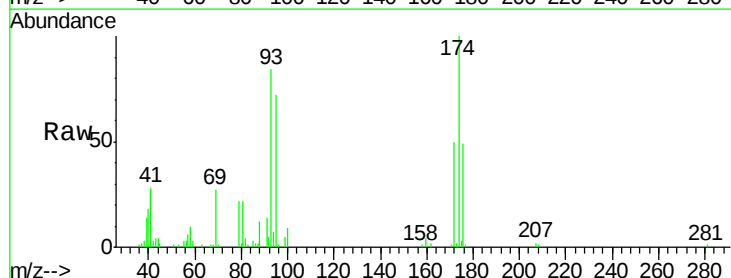
Tgt Ion: 93 Resp: 48412

Ion Ratio Lower Upper

93 100

95 82.6 65.0 97.6

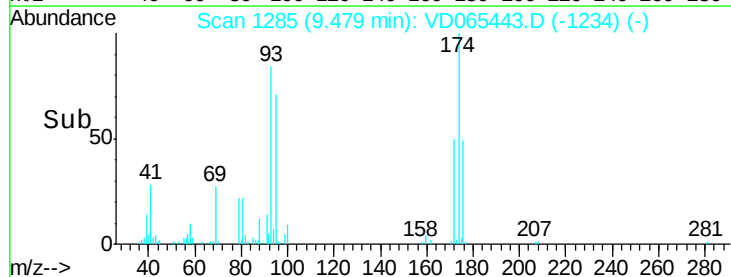
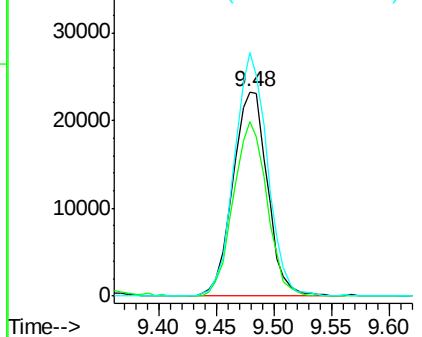
174 113.4 88.3 132.5

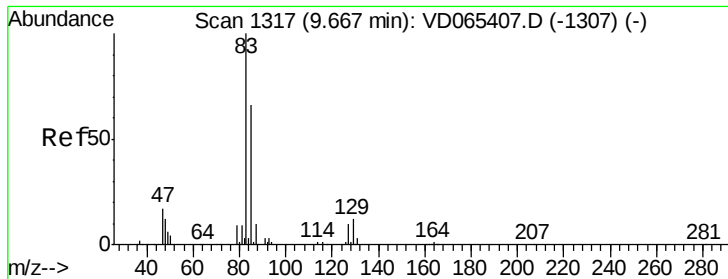


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.393 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

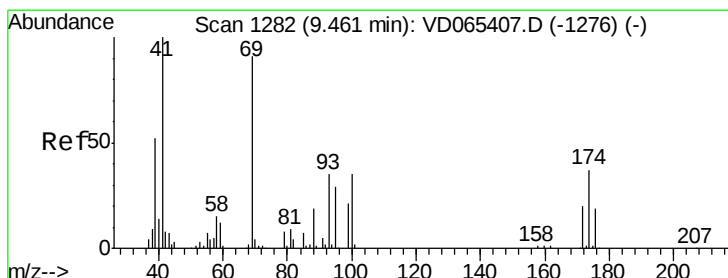
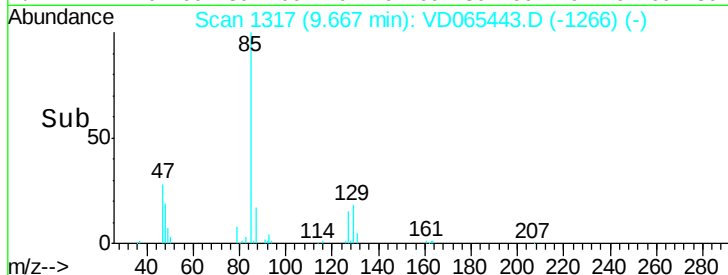
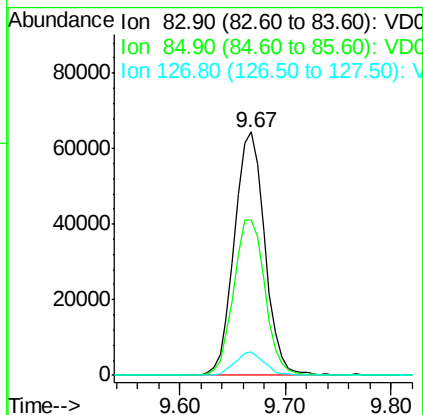
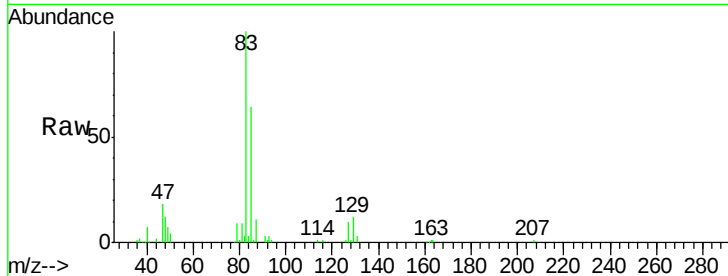
ClientSampleId :

VD0309SBS01

Tot Ion:	83	Resp:	128462
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.8	79.2
127	9.8	8.0	12.0

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 17.295 ug/l

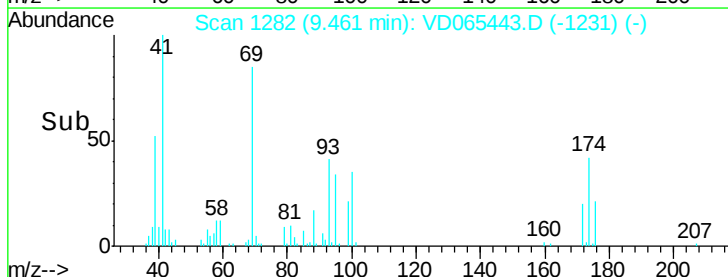
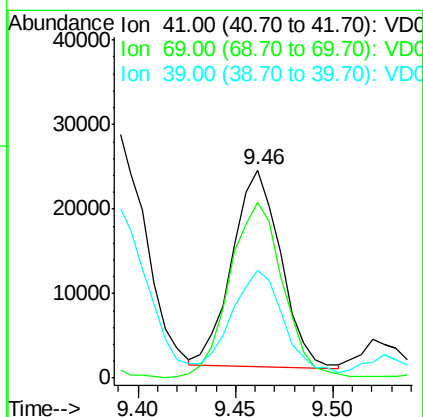
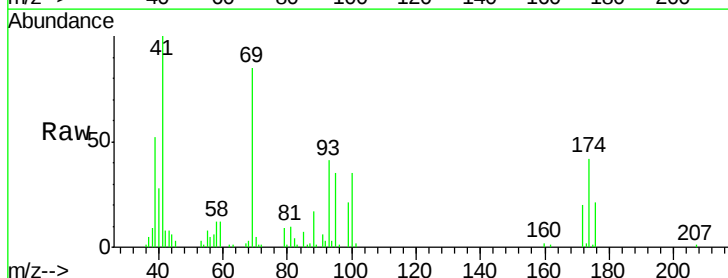
RT: 9.46 min Scan# 1282

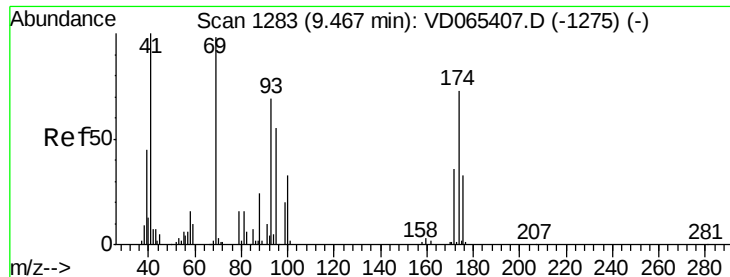
Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion:	41	Resp:	40018
Ion	Ratio	Lower	Upper
41	100		
69	99.0	72.5	108.7
39	54.4	41.6	62.4





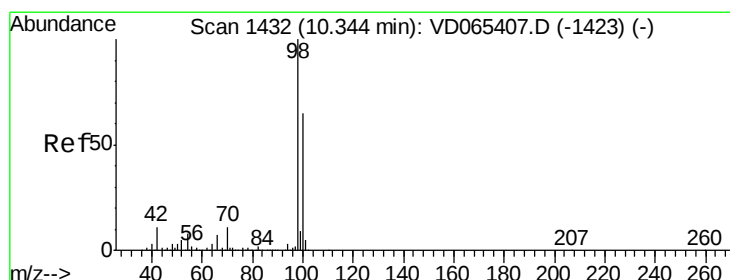
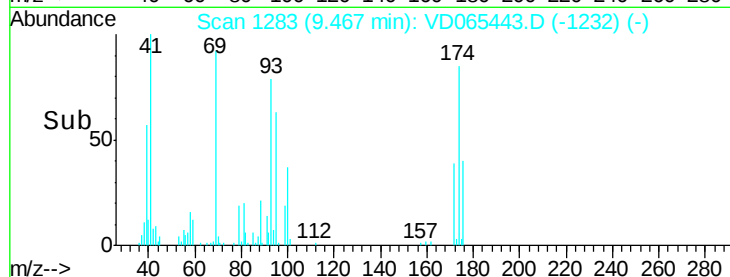
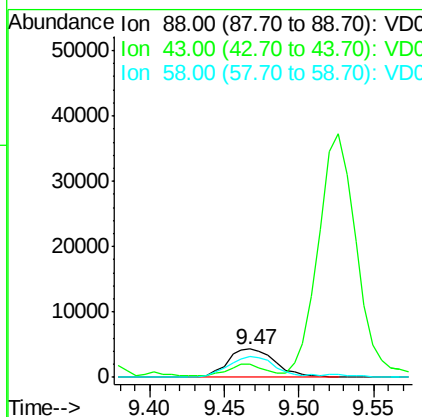
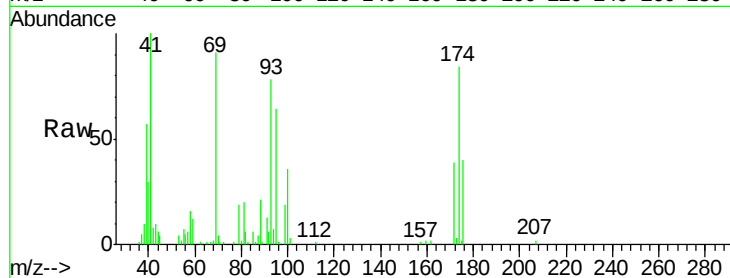
#49
1,4-Dioxane
Concen: 356.002 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	88	Resp	9860
Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.5	36.7
58	72.6	54.5	81.7

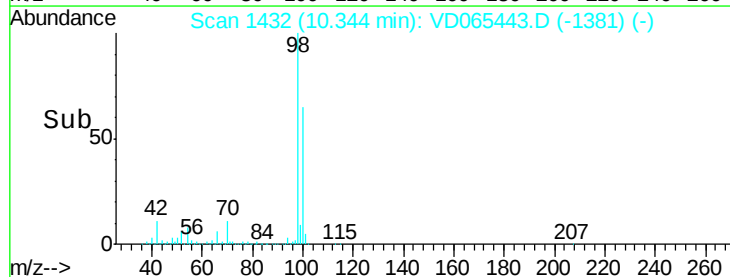
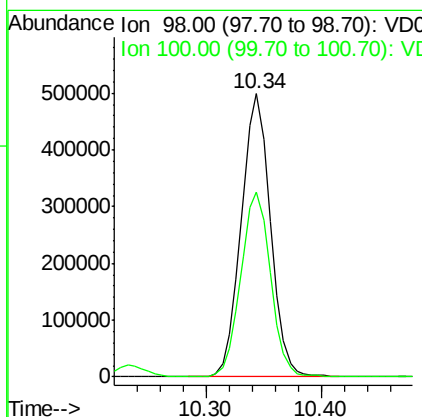
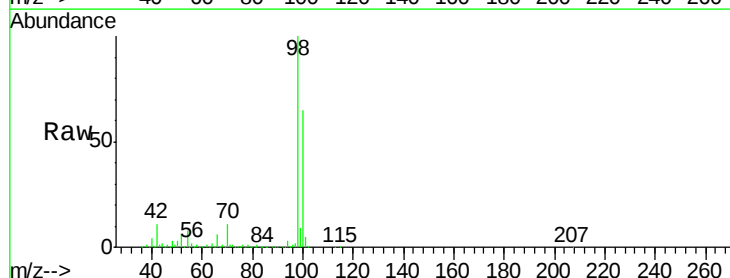
Manual Integrations
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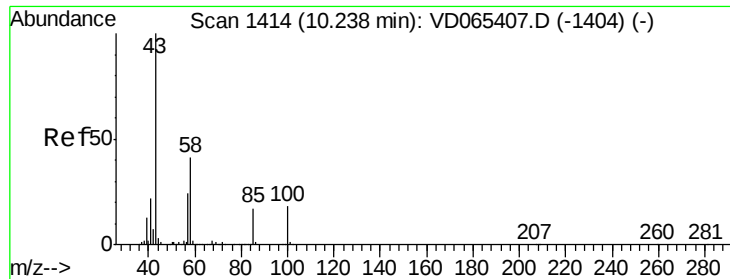
MMDadoda
3/10/2020 3:34:26 PM



#50
Toluene-d8
Concen: 51.567 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	98	Resp	879653
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





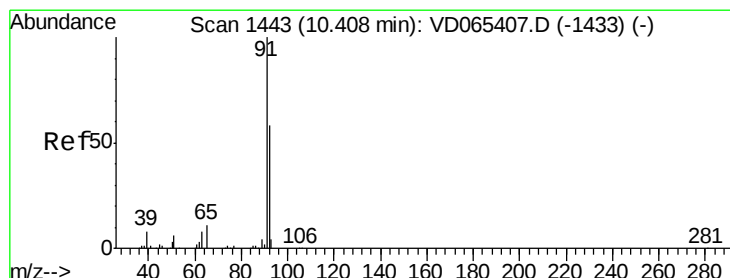
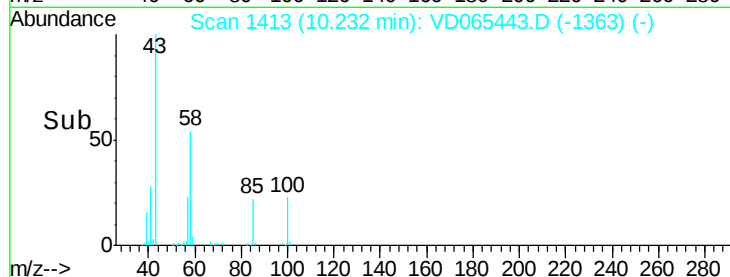
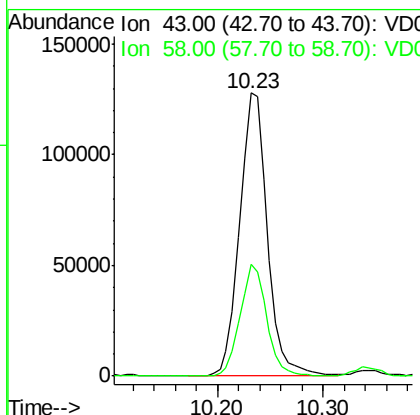
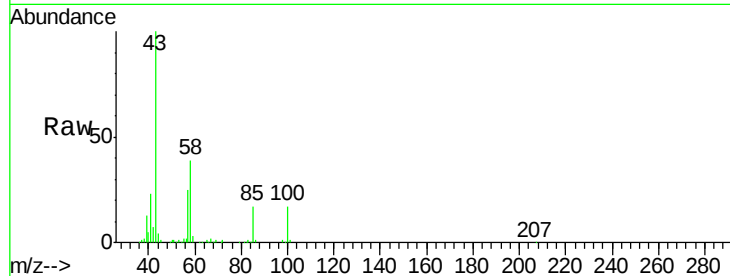
#51
4-Methyl-2-Pentanone
Concen: 94.113 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.8	47.6

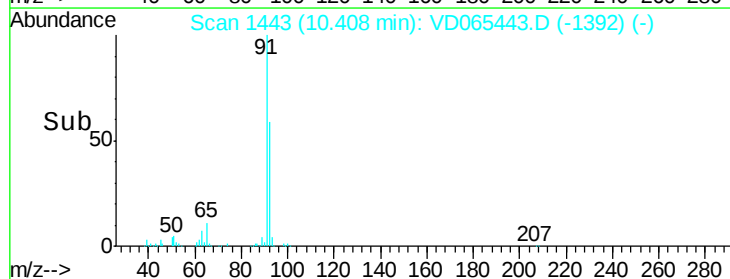
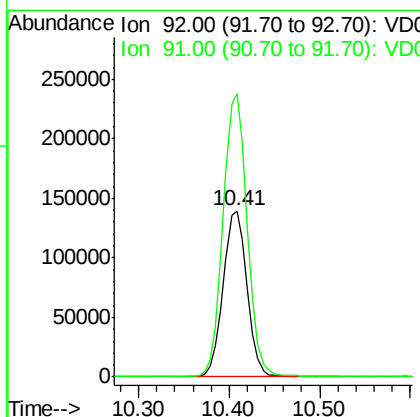
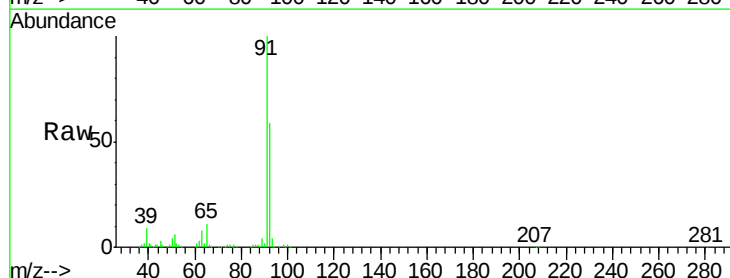
Manual Integrations
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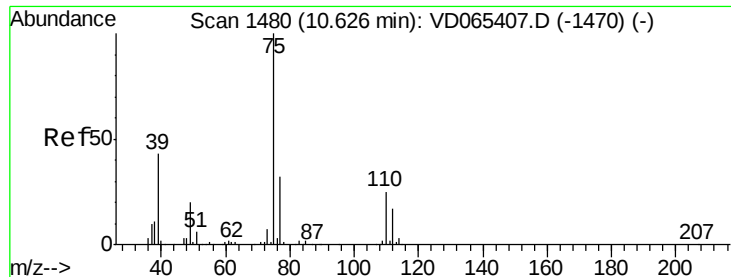
MMDadoda
3/10/2020 3:34:26 PM



#52
Toluene
Concen: 20.971 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.8	206.8





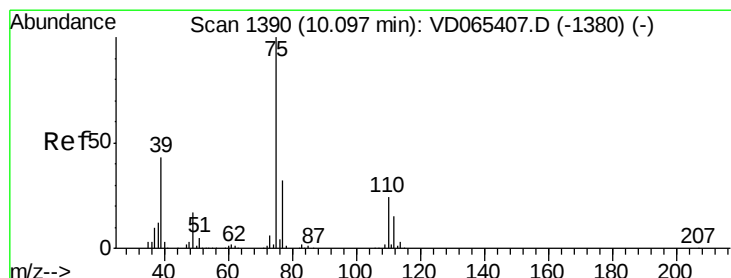
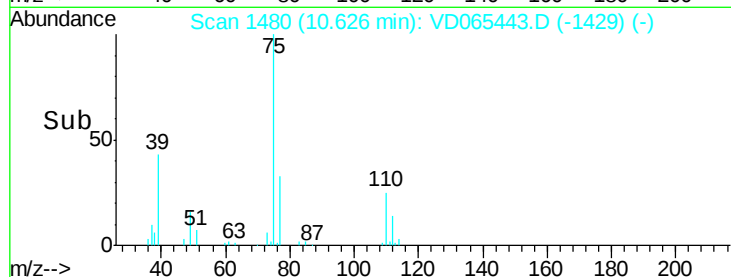
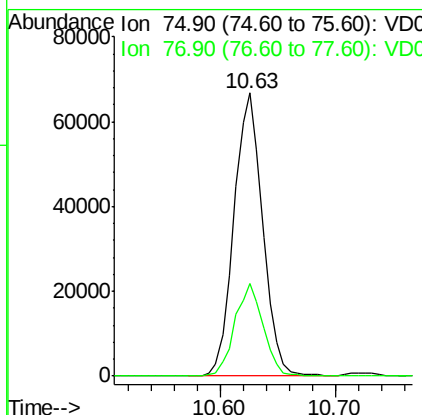
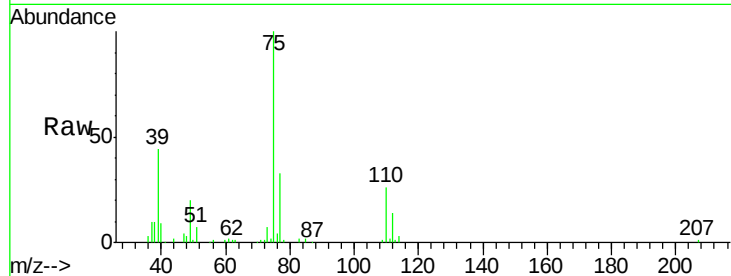
#53
 t-1,3-Dichloropropene
 Concen: 19.555 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion: 75 Resp: 115113
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2

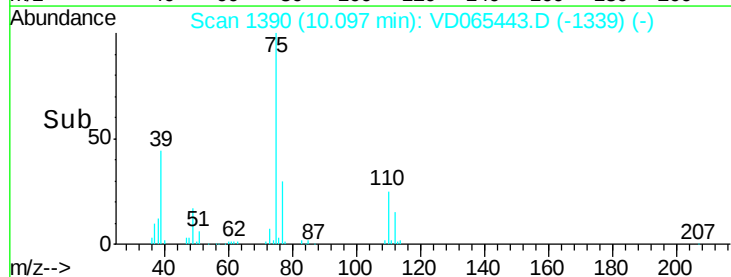
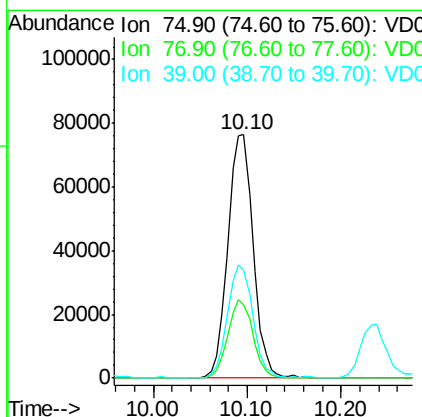
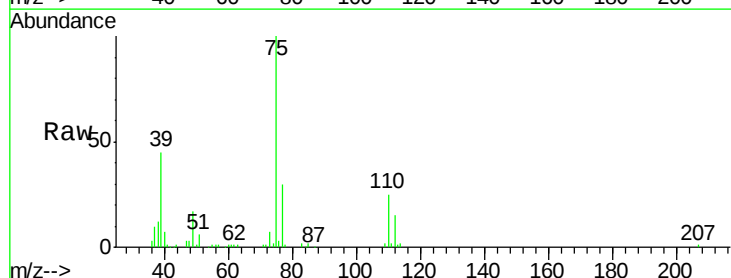
Manual Integrations
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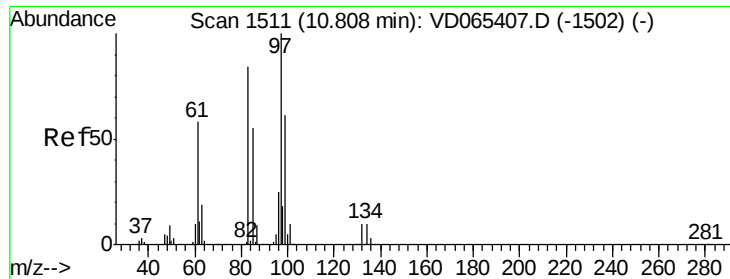
MMDadoda
 3/10/2020 3:34:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.135 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 75 Resp: 143471
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9
 39 44.5 34.6 52.0





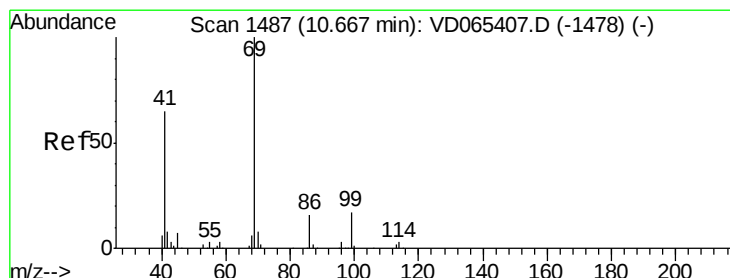
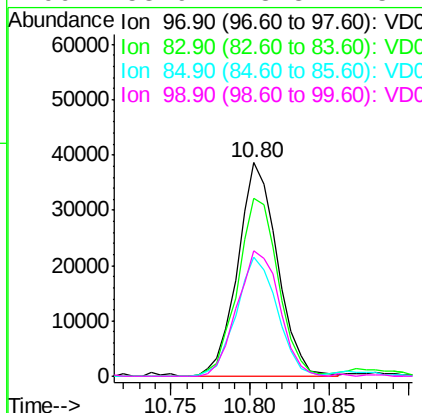
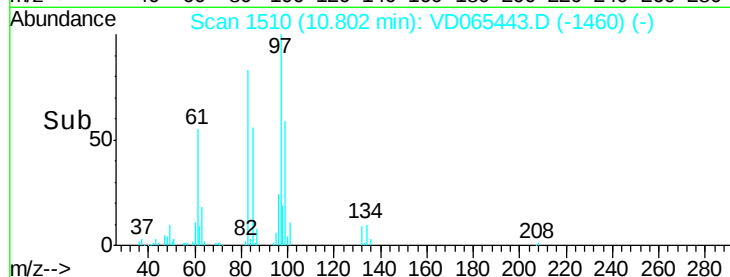
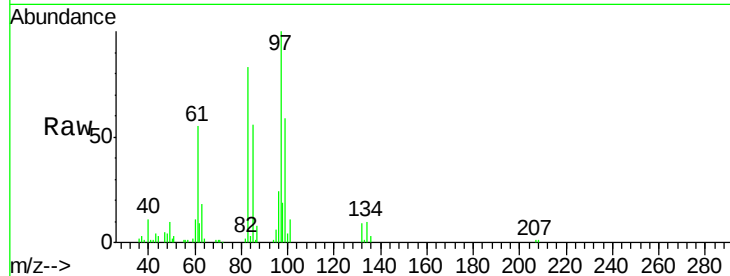
#55
 1,1,2-Trichloroethane
 Concen: 19.613 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	55.9	43.8	65.8
99	58.9	48.8	73.2

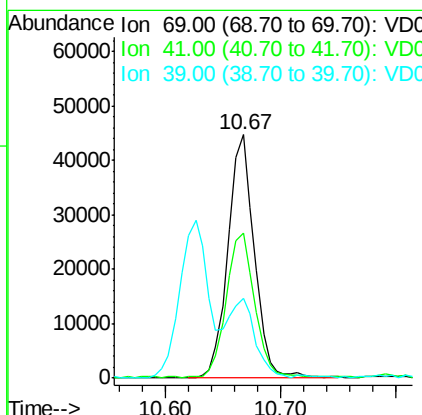
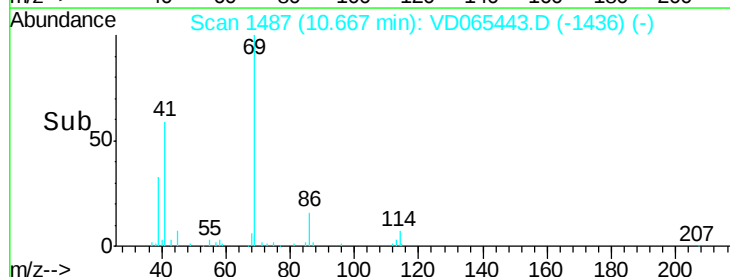
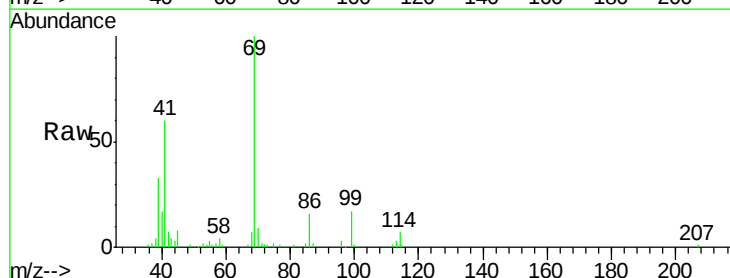
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.300 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	53.0	79.6
39	31.8	26.0	39.0





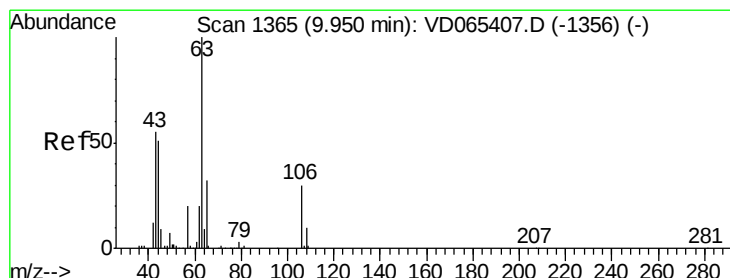
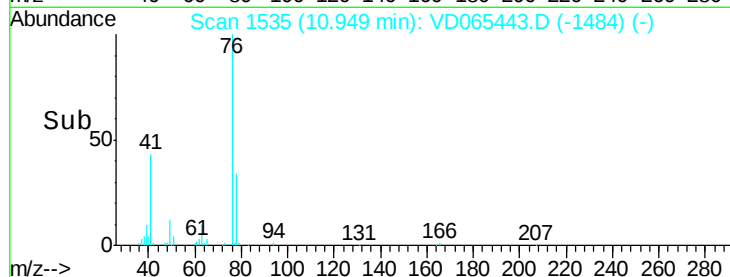
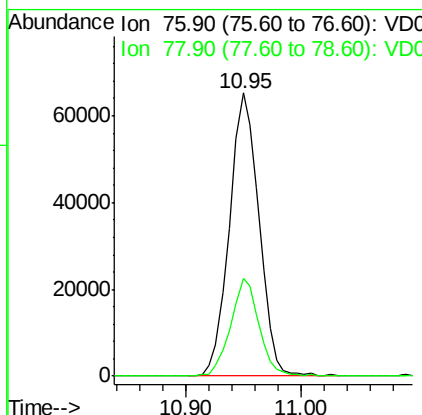
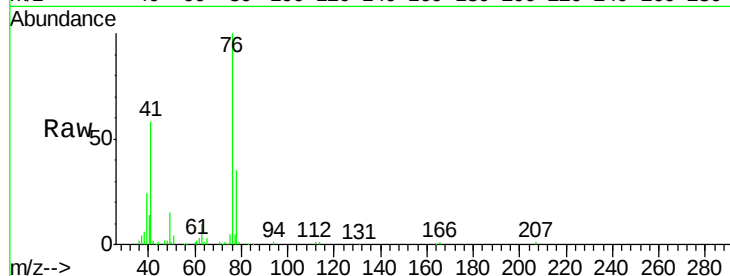
#57
 1,3-Dichloropropane
 Concen: 19.937 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

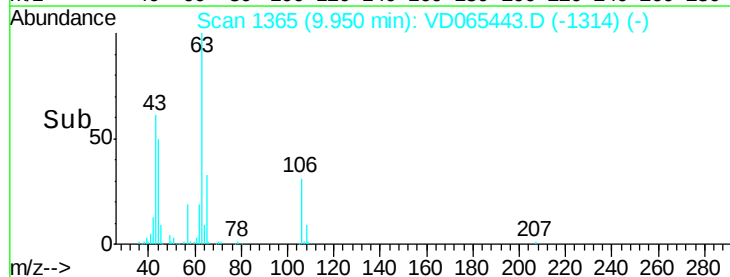
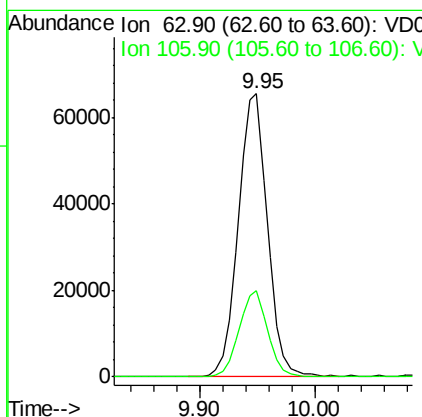
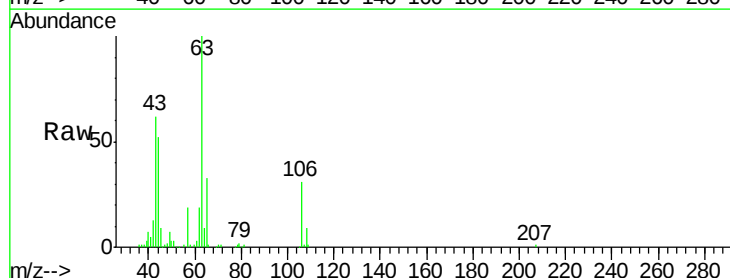
Manual Integrations
 APPROVED

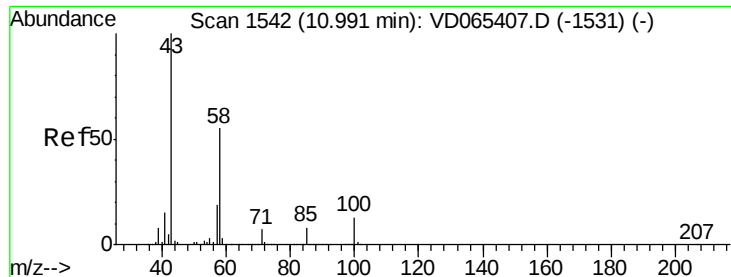
MMDadoda
 3/10/2020 3:34:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.590 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.3	34.9





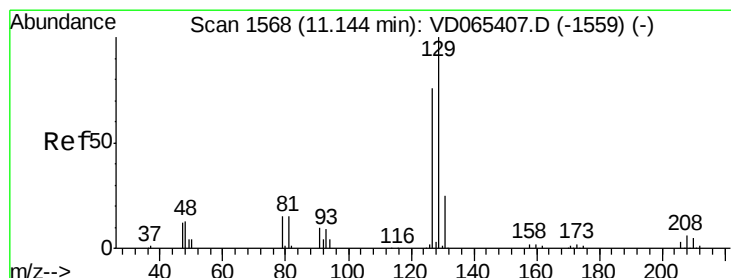
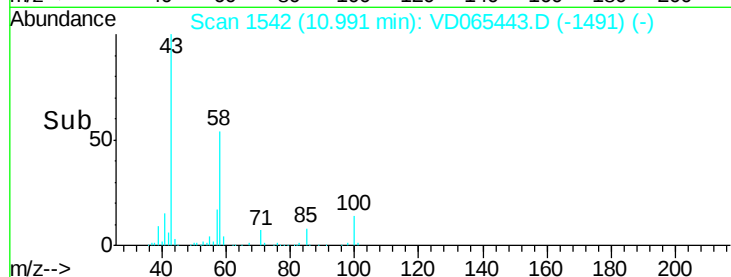
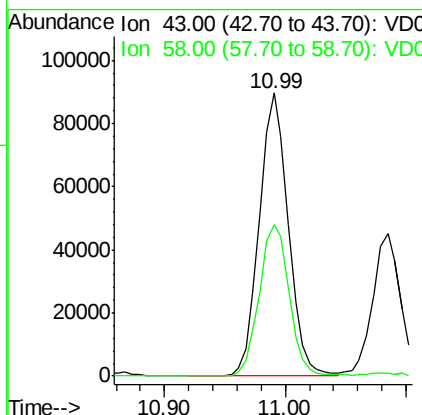
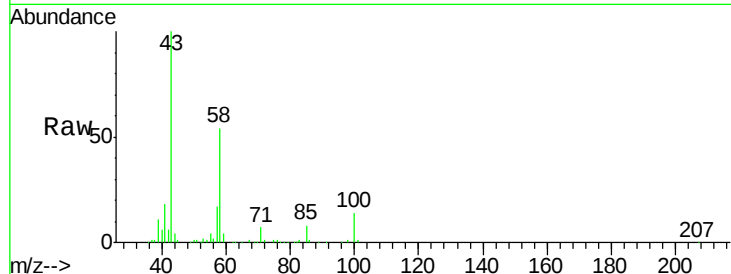
#59
2-Hexanone
Concen: 87.430 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampled :
VD0309SBS01

Tot Ion: 43 Resp: 149813
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2

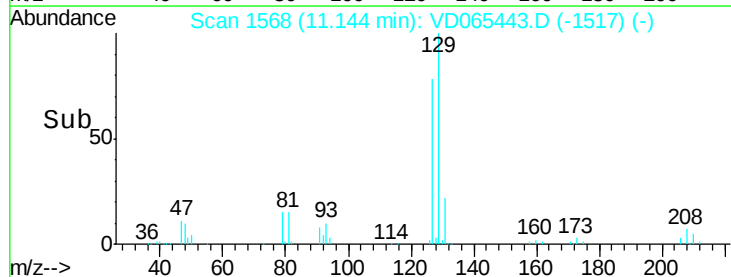
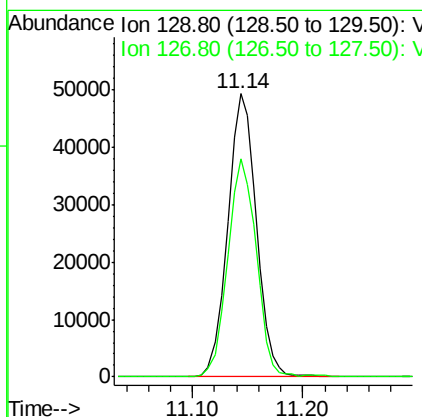
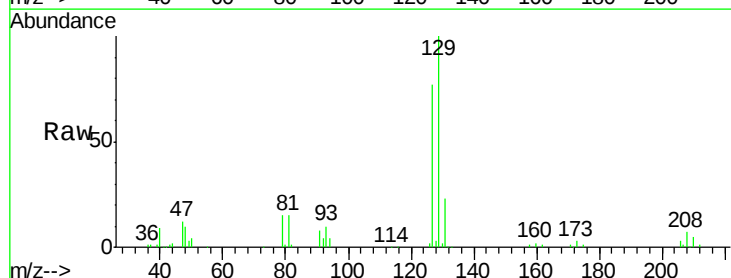
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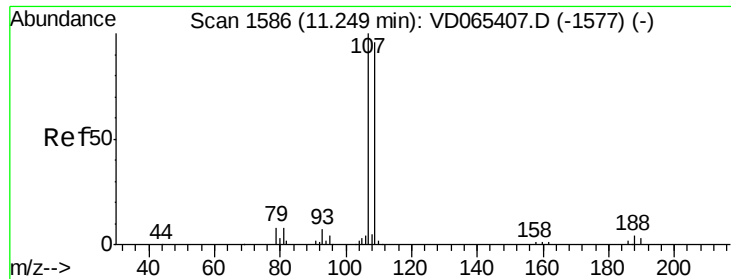
MMDadoda
3/10/2020 3:34:26 PM



#60
Dibromochloromethane
Concen: 20.429 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 129 Resp: 89804
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





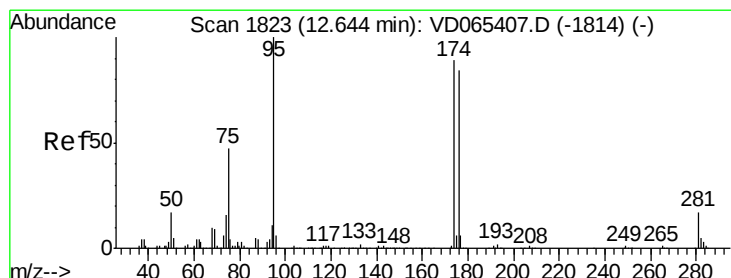
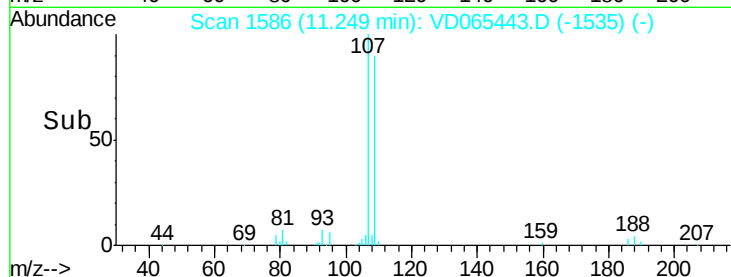
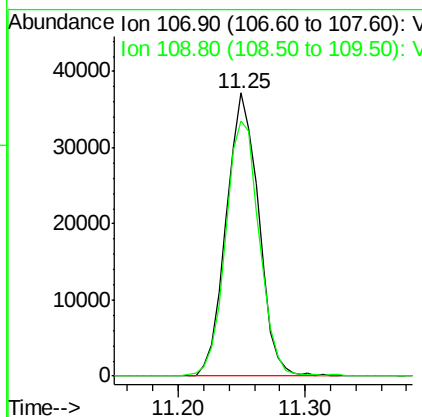
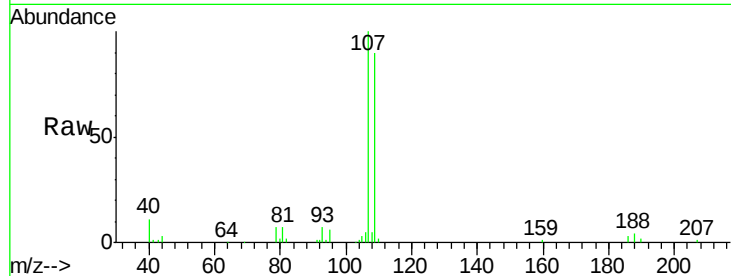
#61
 1,2-Dibromoethane
 Concen: 20.091 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion: 107 Resp: 65722
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.8 115.2

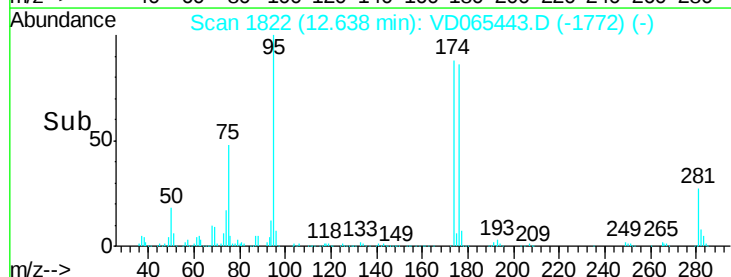
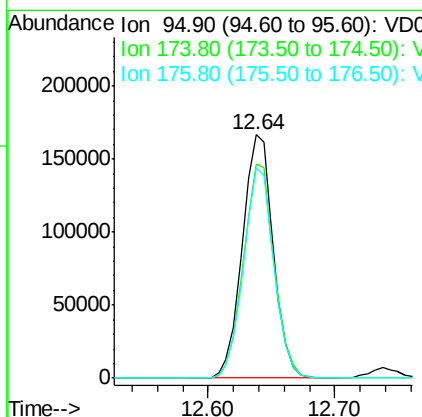
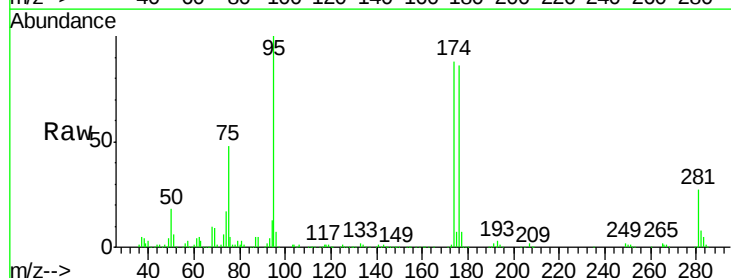
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 53.317 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 95 Resp: 280775
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 176.8
 176 85.2 0.0 171.4





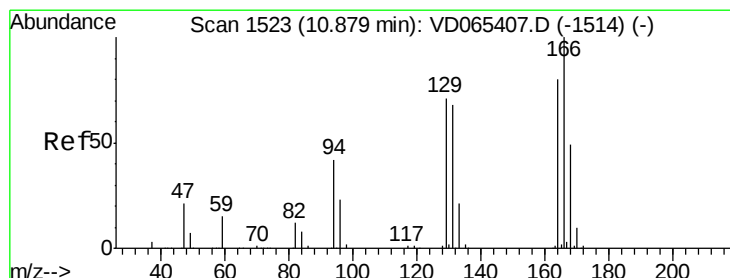
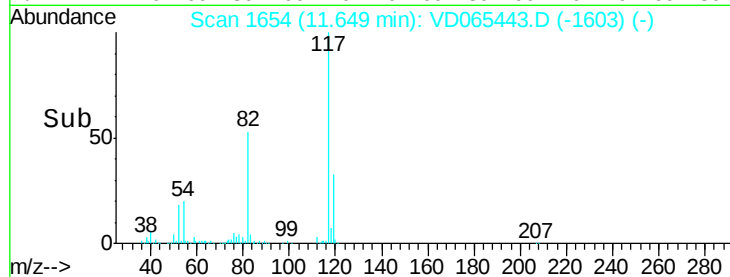
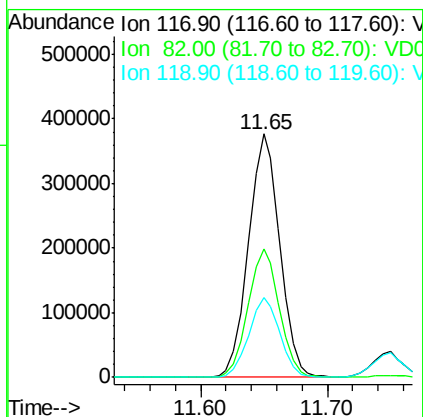
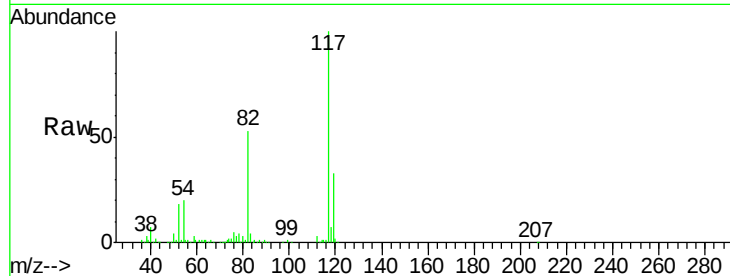
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	648518		
82	52.7		40.6	60.8
119	32.5		25.4	38.2

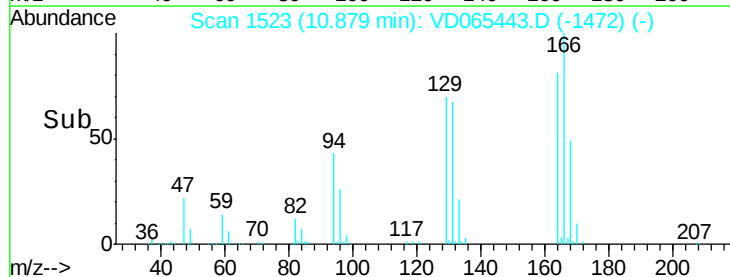
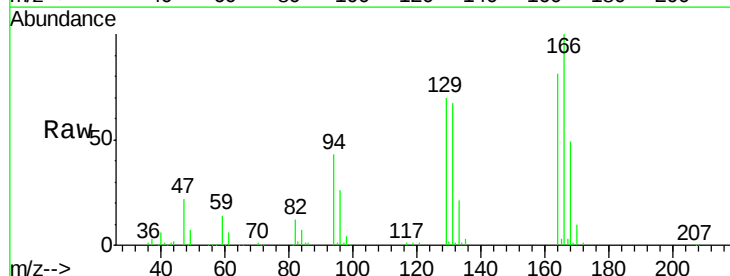
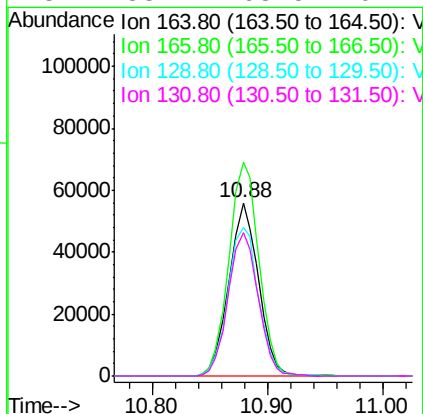
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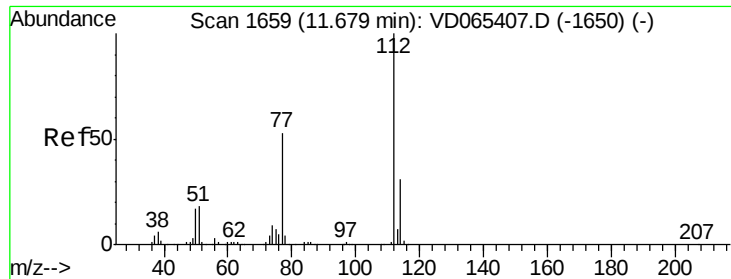
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#64
Tetrachloroethene
Concen: 21.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98613		
166	123.5		100.5	150.7
129	86.0		71.5	107.3
131	83.2		68.5	102.7





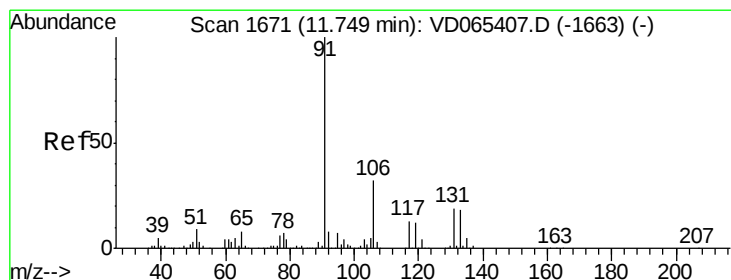
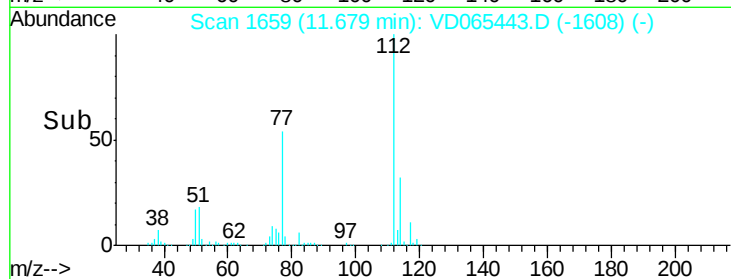
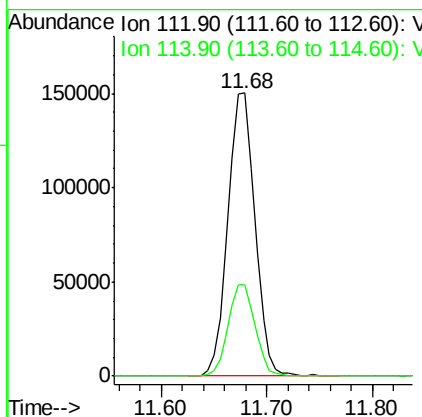
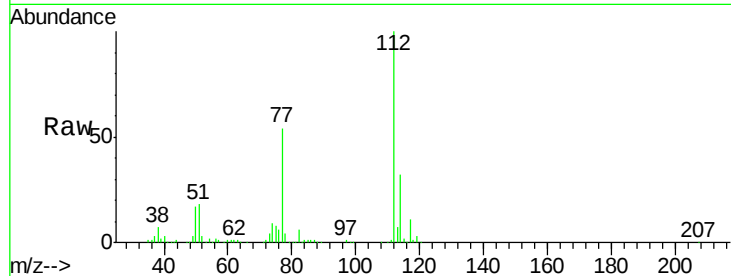
#65
Chlorobenzene
Concen: 20.696 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	265607		
114	32.1		24.4	36.6

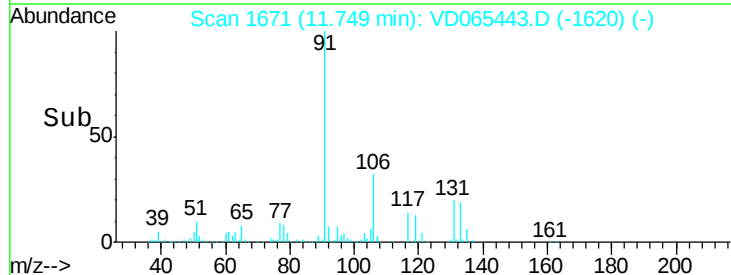
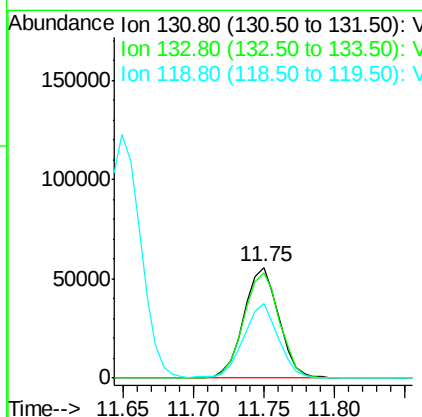
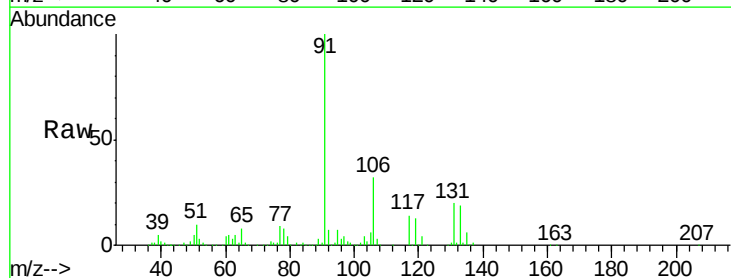
Manual Integrations
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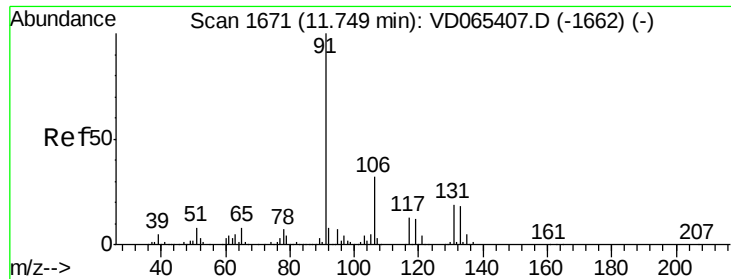
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.741 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96944		
133	97.7		49.2	147.6
119	67.1		33.3	99.8





#67

Ethyl Benzene

Concen: 20.785 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 91 Resp: 460912

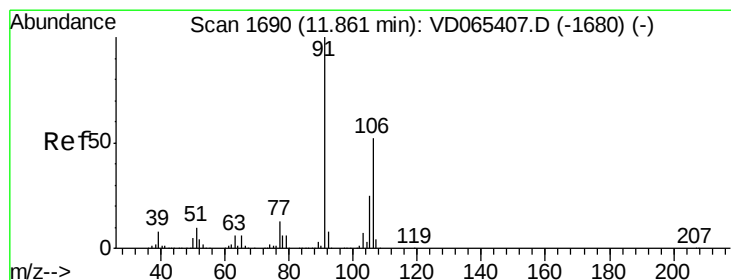
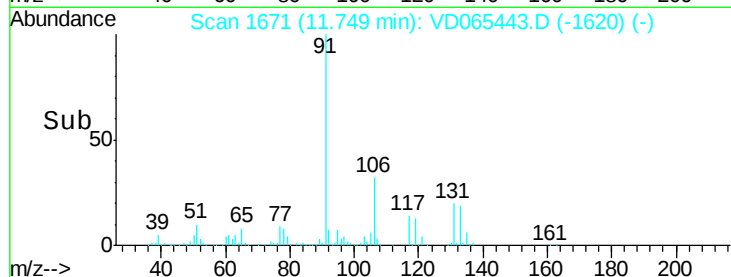
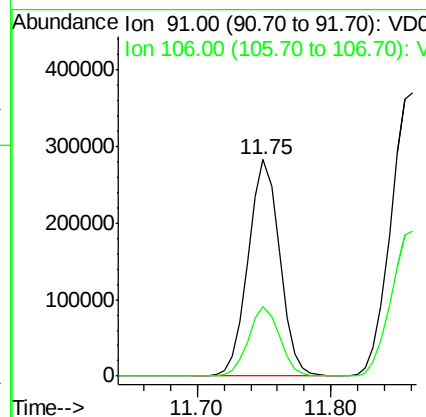
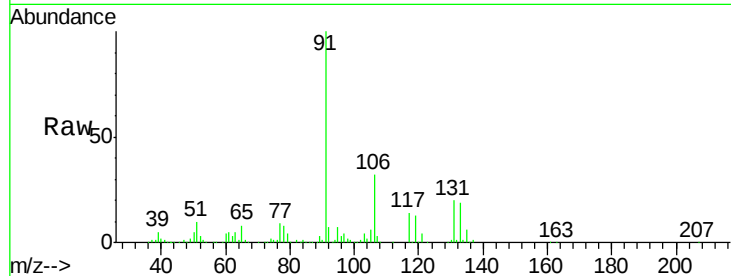
Ion Ratio Lower Upper

91 100

106 31.8 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.311 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065443.D

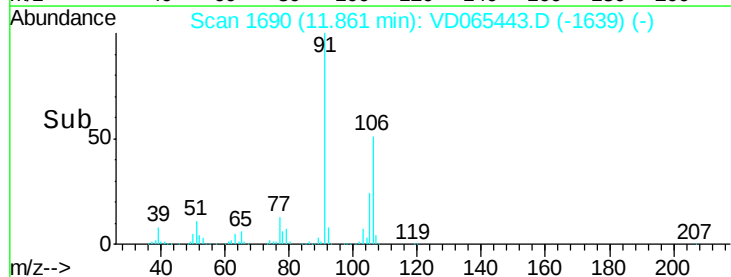
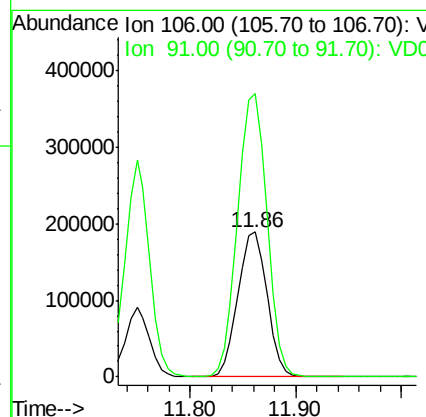
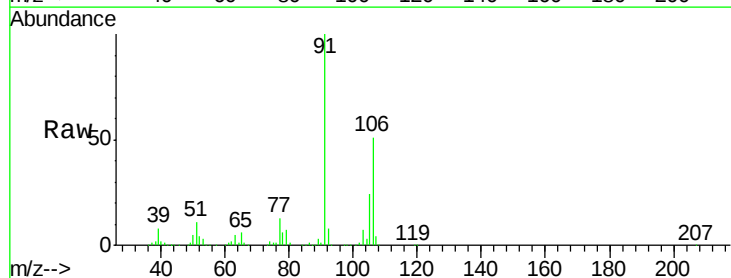
Acq: 09 Mar 2020 11:59

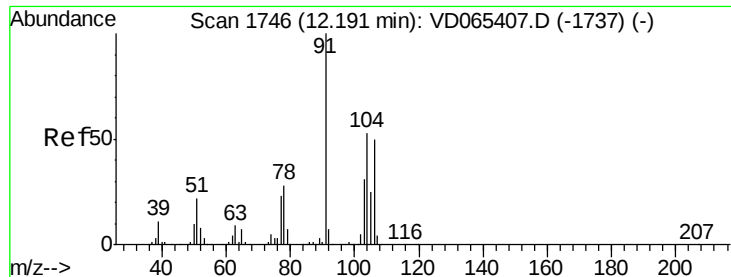
Tgt Ion: 106 Resp: 361772

Ion Ratio Lower Upper

106 100

91 197.6 155.9 233.9





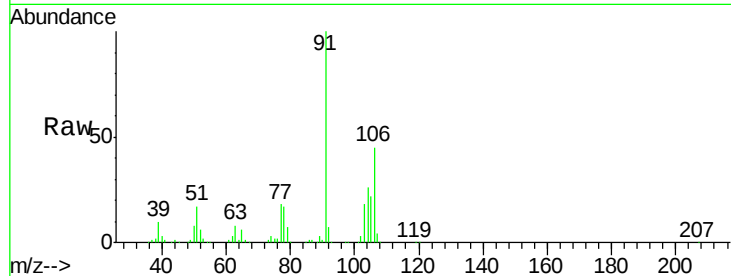
#69
o-Xylene
Concen: 20.630 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

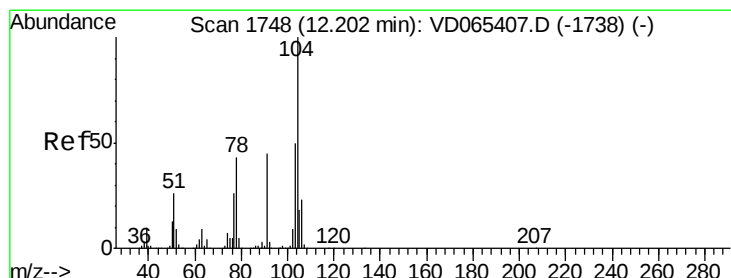
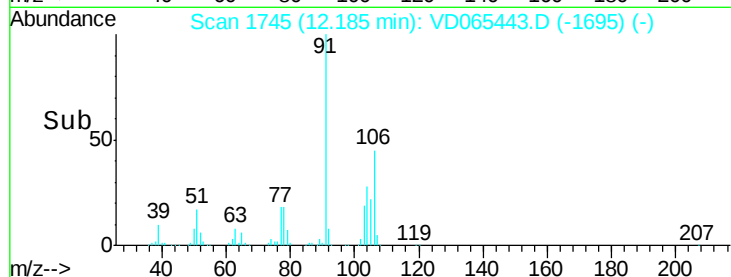
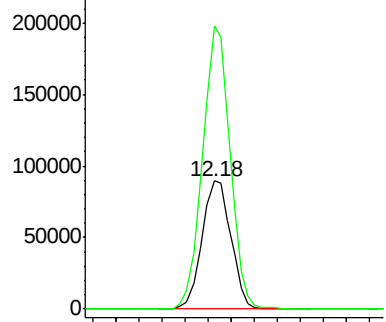
Tot Ion:106 Resp: 155161
Ion Ratio Lower Upper
106 100
91 210.4 103.5 310.3

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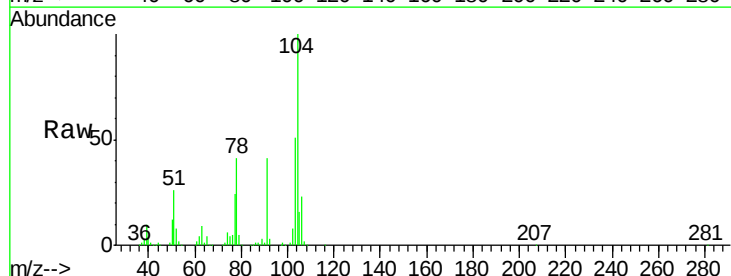


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

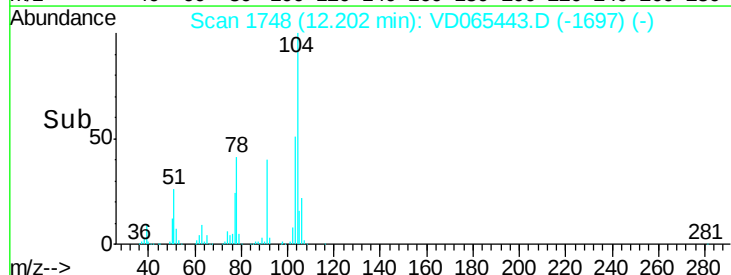
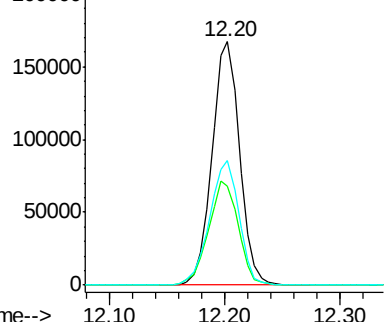


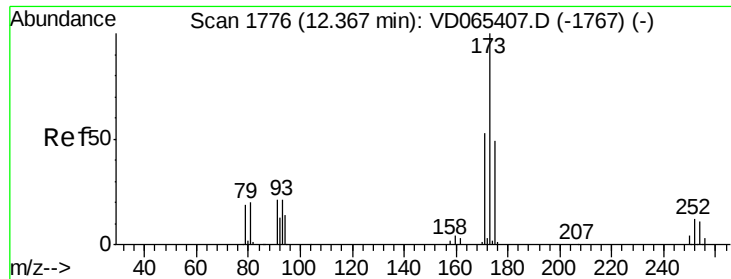
#70
Styrene
Concen: 20.958 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:104 Resp: 277416
Ion Ratio Lower Upper
104 100
78 46.2 37.7 56.5
103 54.5 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





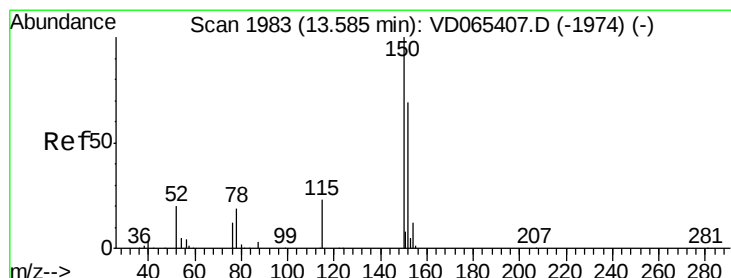
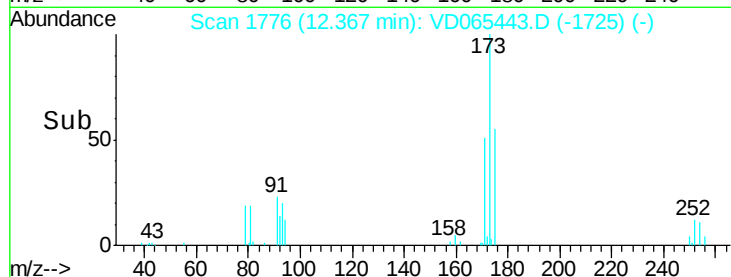
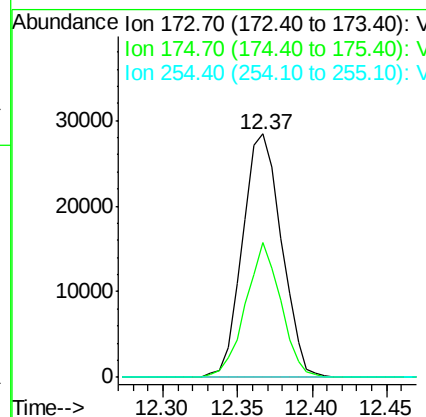
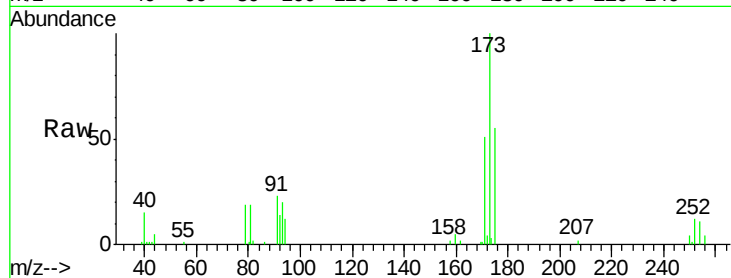
#71
Bromoform
Concen: 19.655 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	0.0	0.1	0.1#

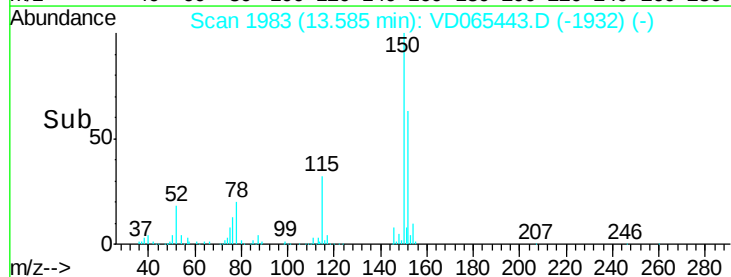
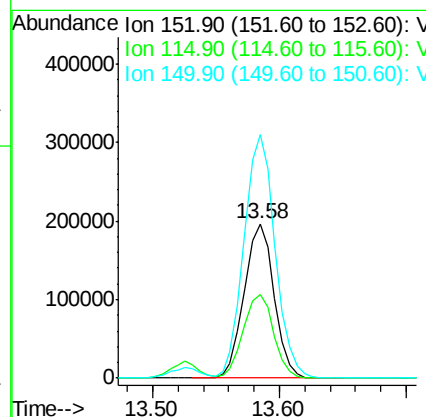
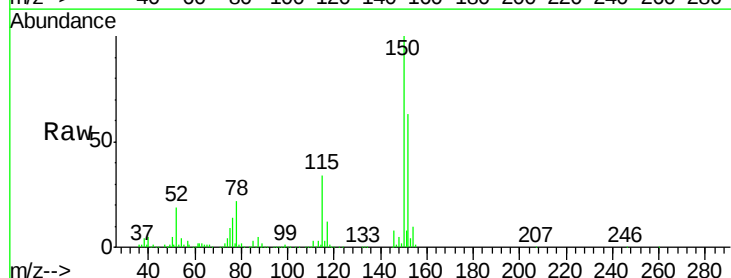
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.8
150	164.2	0.0	345.0





#73

Isopropylbenzene

Concen: 20.416 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 105 Resp: 432116

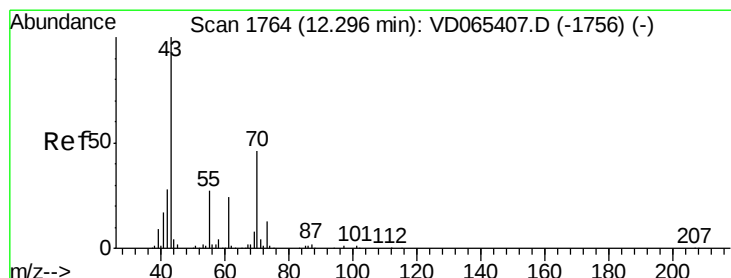
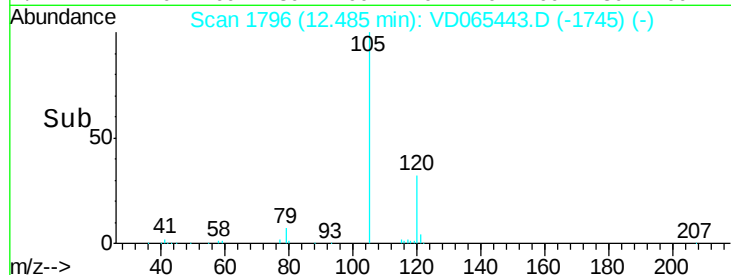
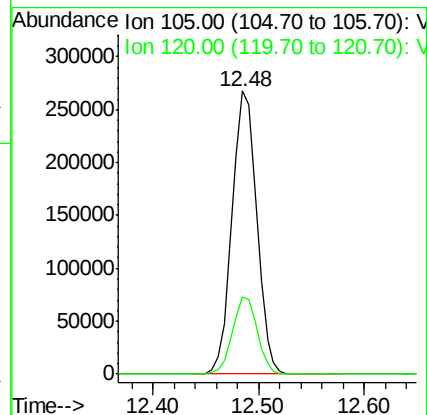
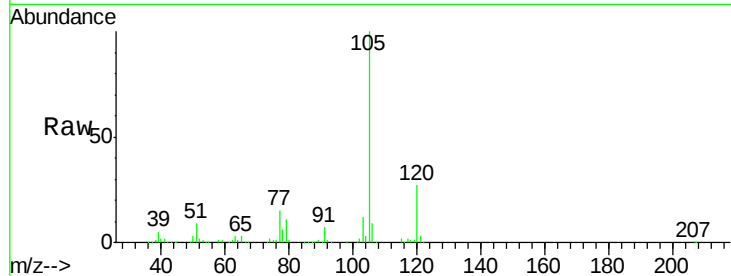
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4

Manual Integrations
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3/10/2020 3:34:26 PM



#74

N-ethyl acetate

Concen: 17.519 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion: 43 Resp: 75912

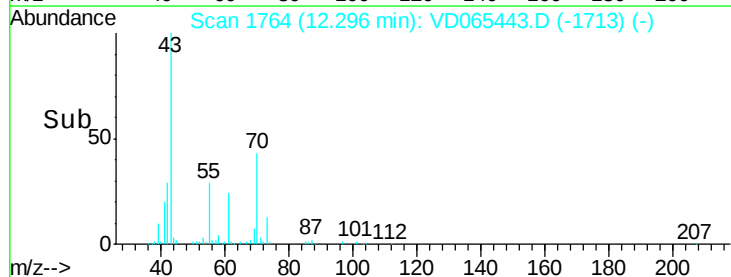
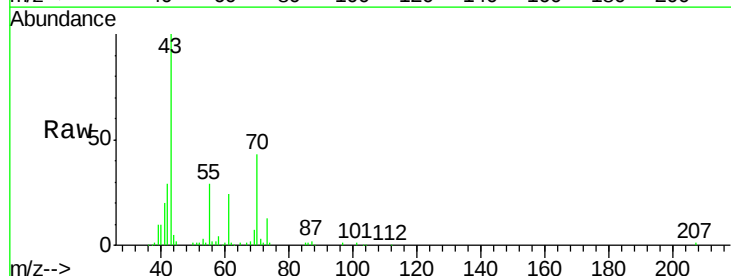
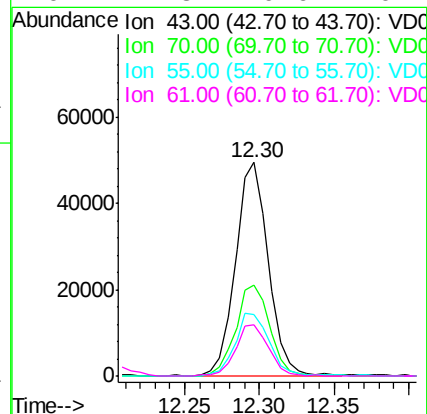
Ion Ratio Lower Upper

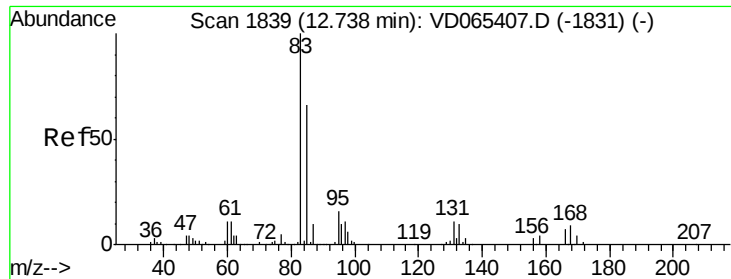
43 100

70 44.4 36.1 54.1

55 30.7 21.6 32.4

61 24.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.757 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

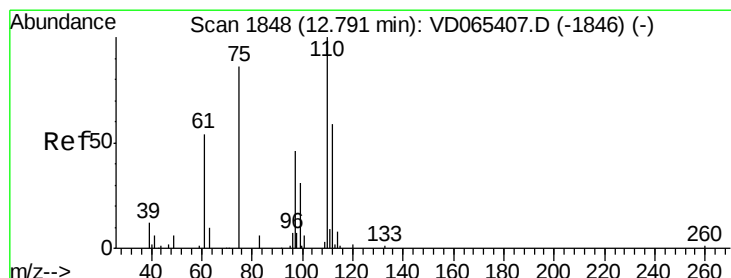
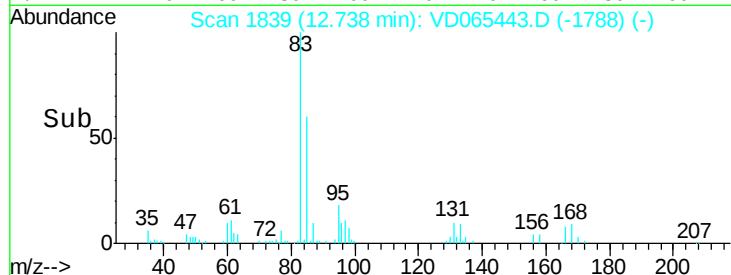
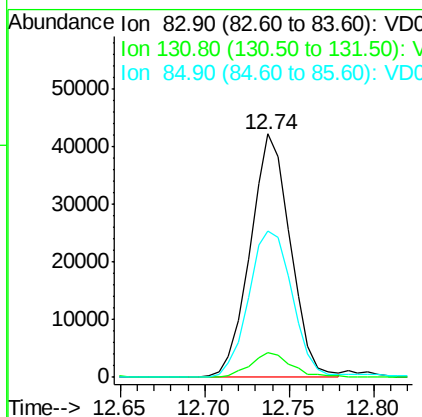
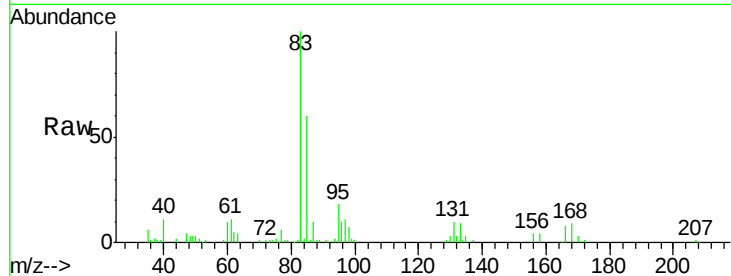
ClientSampleId :

VD0309SBS01

Tot Ion:	83	Resp:	69784
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.4	16.2
85	65.2	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.684 ug/l m

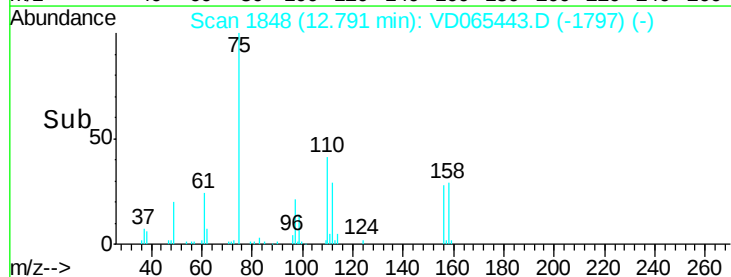
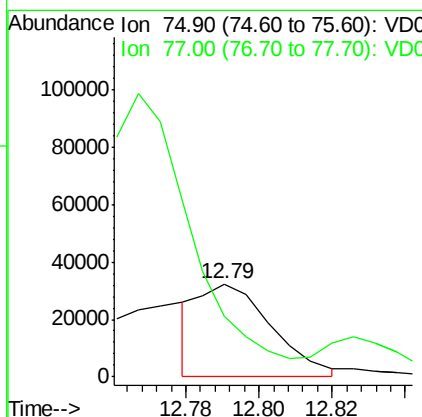
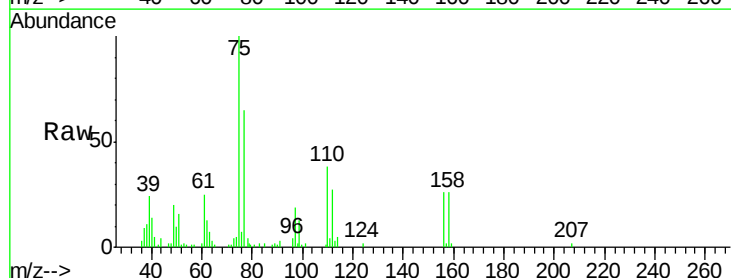
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion:	75	Resp:	44903
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.152 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

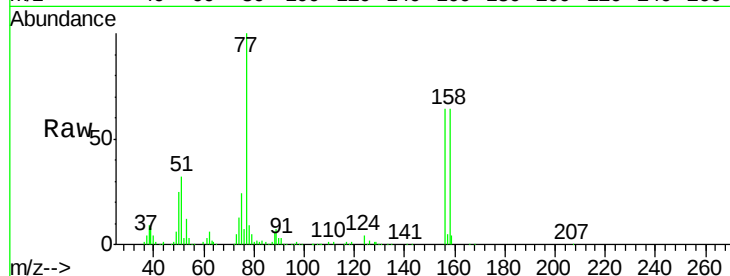
ClientSampleId :

VD0309SBS01

Tot Ion:	156	Resp:	105969
Ion Ratio	Lower	Upper	
156	100		
77	172.4	84.9	254.6
158	99.6	49.0	147.2

Manual Integrations
APPROVED

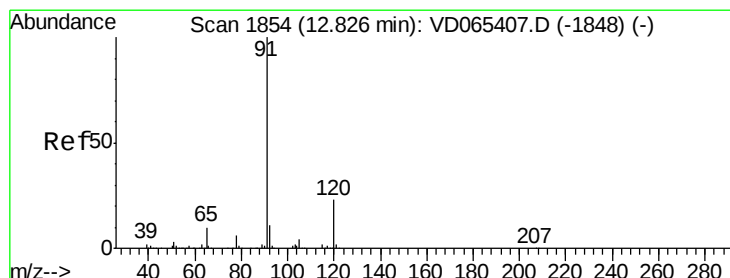
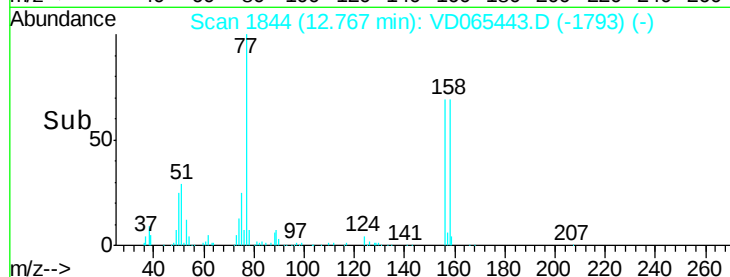
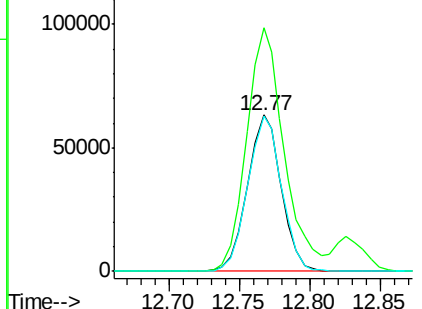
MMDadoda
3/10/2020 3:34:26 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.962 ug/l

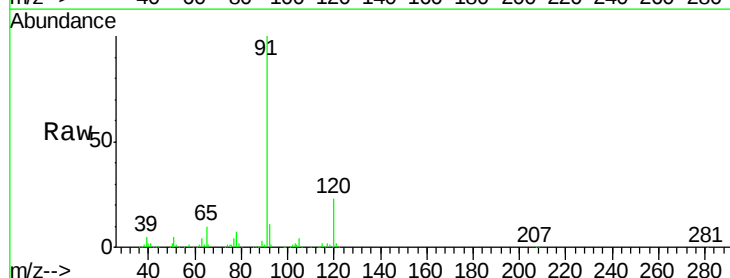
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065443.D

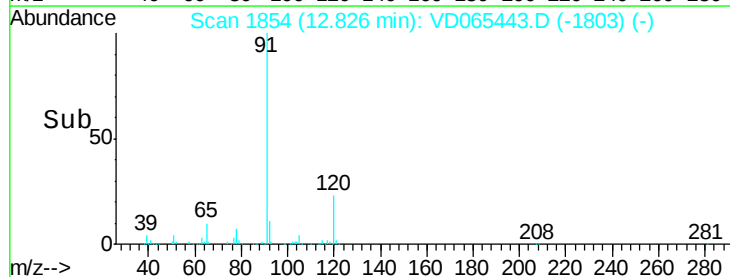
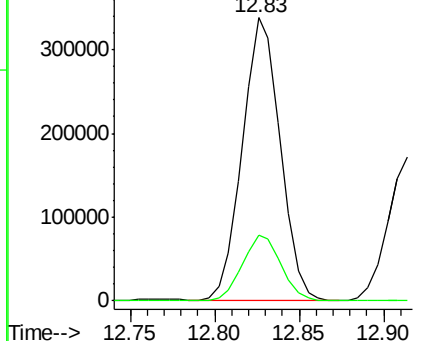
Acq: 09 Mar 2020 11:59

Tgt Ion:	91	Resp:	526418
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





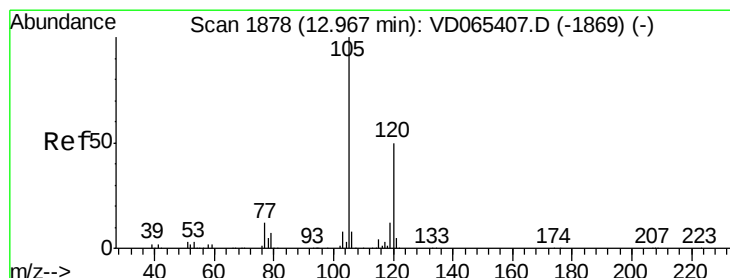
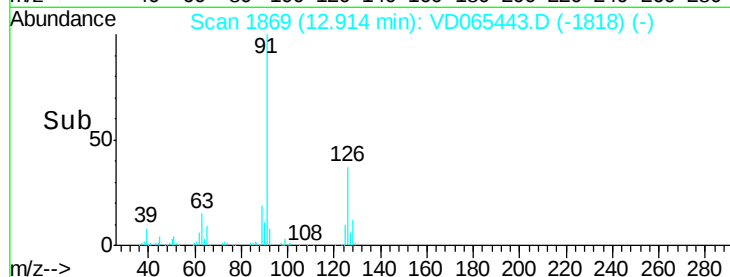
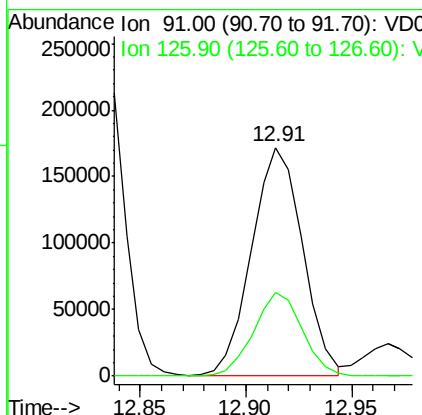
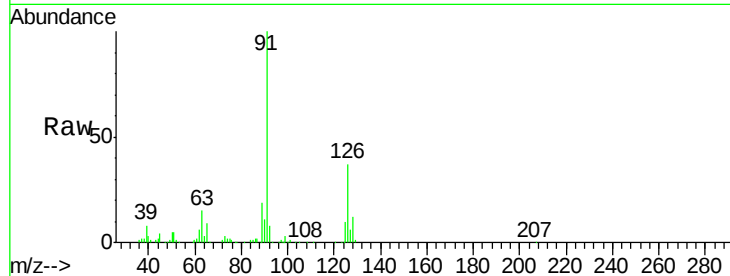
#79
 2-Chlorotoluene
 Concen: 20.241 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion: 91 Resp: 286476
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.8

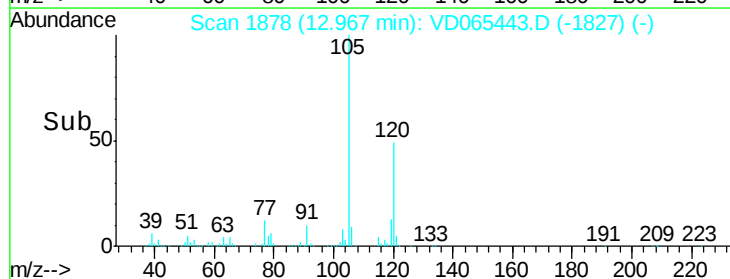
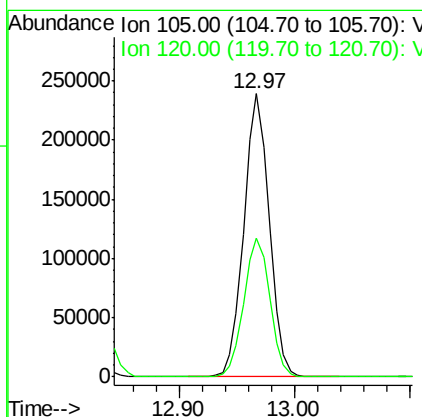
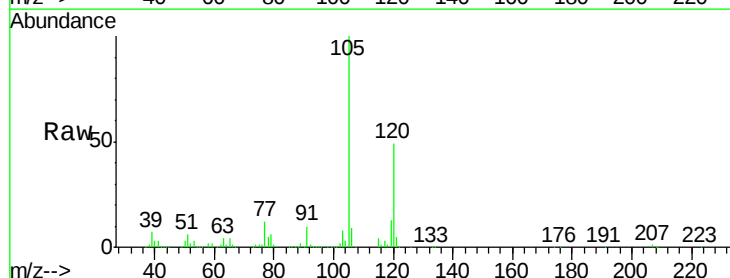
Manual Integrations
 APPROVED

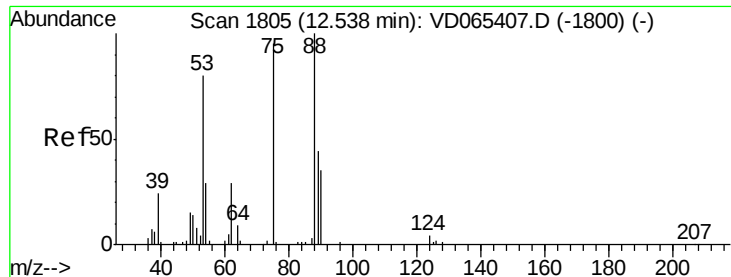
MMDadoda
 3/10/2020 3:34:26 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.002 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 105 Resp: 365439
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.207 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 75 Resp: 21907

Ion Ratio Lower Upper

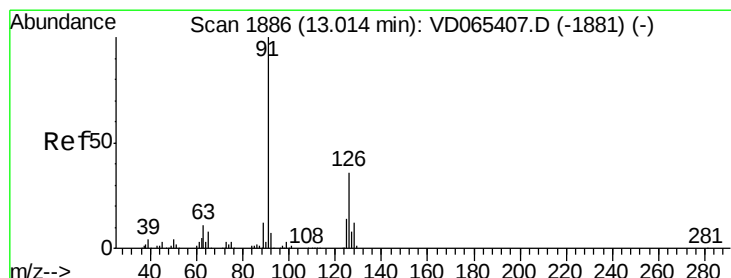
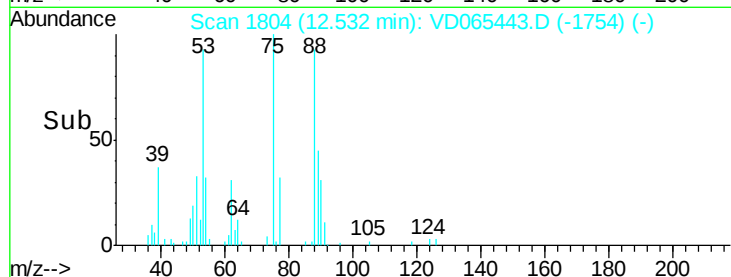
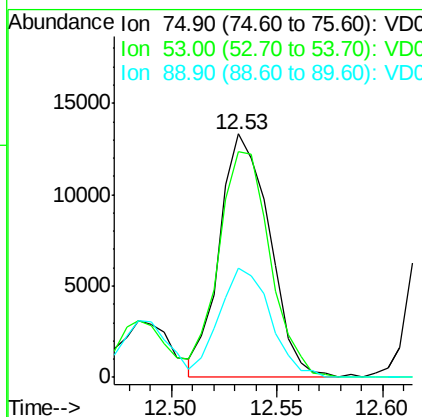
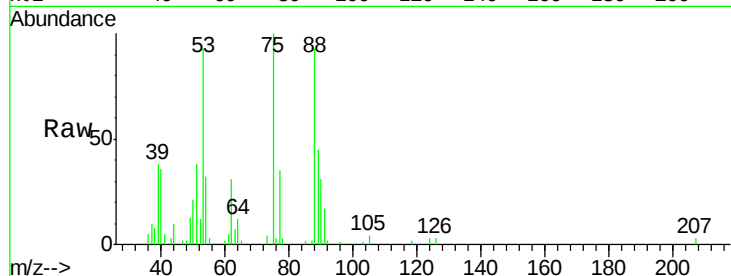
75 100

53 94.8 71.3 106.9

89 46.1 37.0 55.6

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 20.728 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065443.D

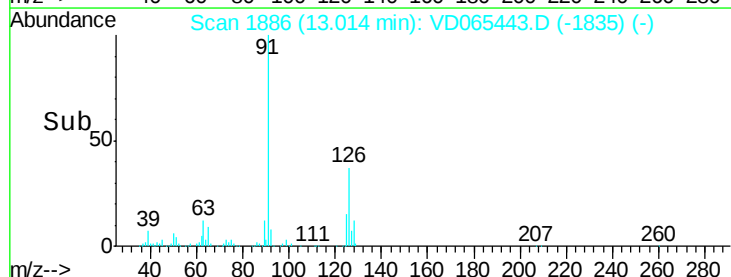
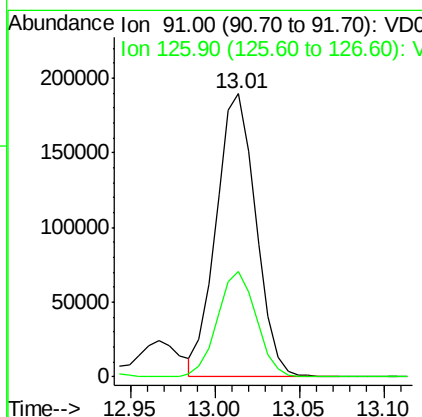
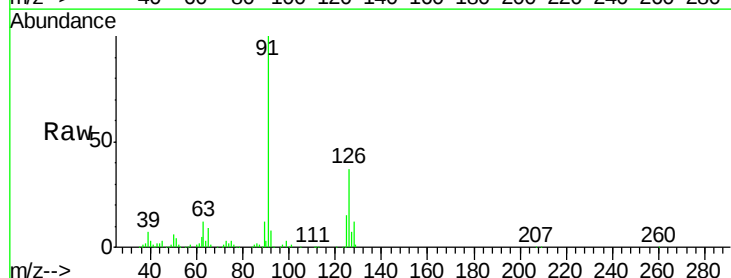
Acq: 09 Mar 2020 11:59

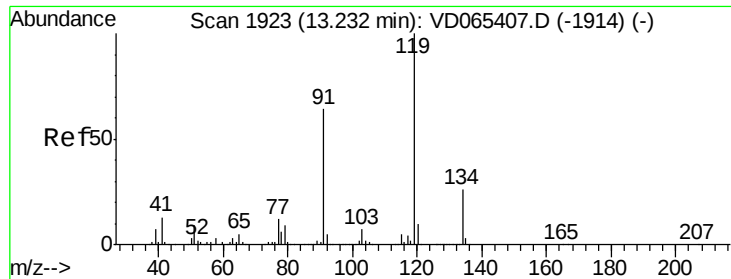
Tgt Ion: 91 Resp: 308286

Ion Ratio Lower Upper

91 100

126 36.7 17.6 52.8





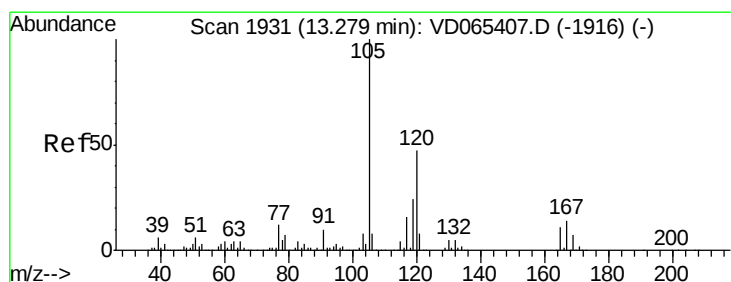
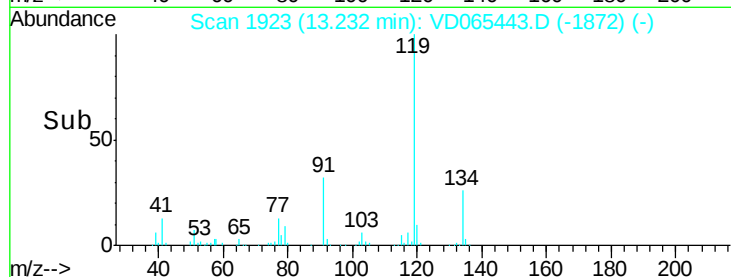
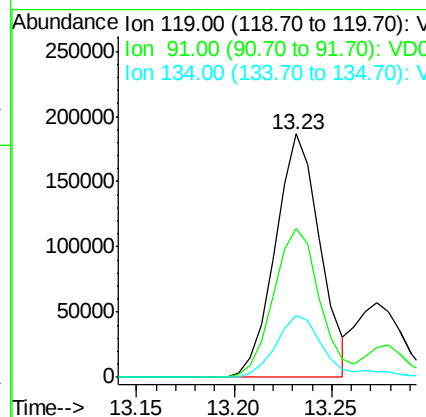
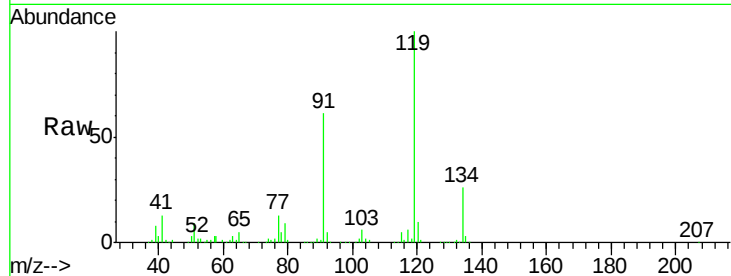
#83
tert-Butylbenzene
Concen: 20.138 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	27.9	14.2	42.8

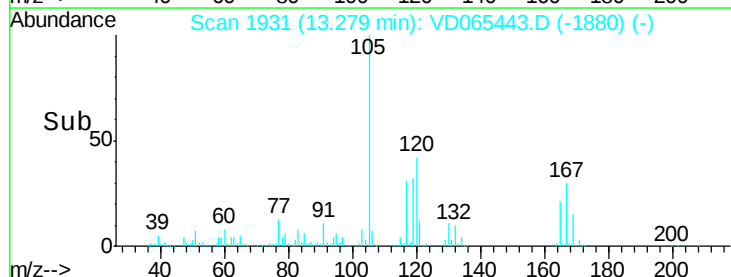
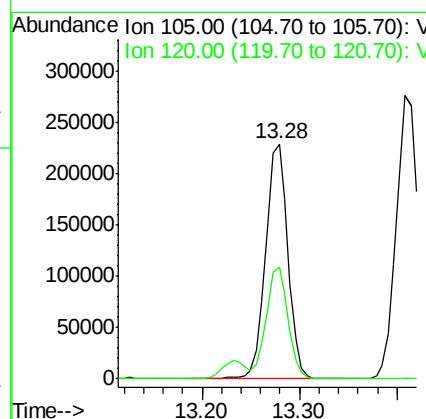
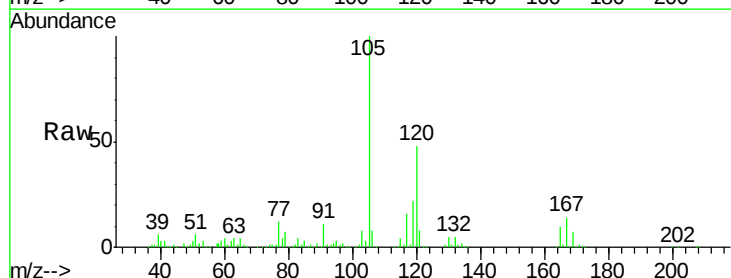
Manual Integrations
APPROVED

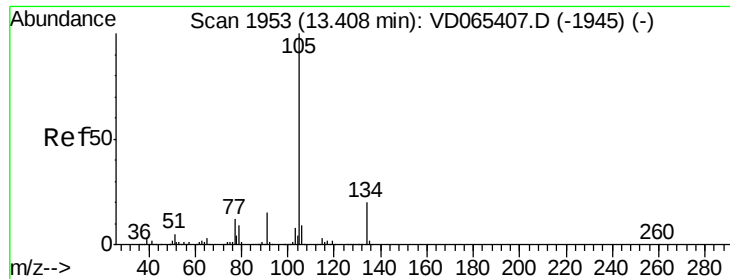
MMDadoda
3/10/2020 3:34:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.438 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.794 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion:105 Resp: 436934

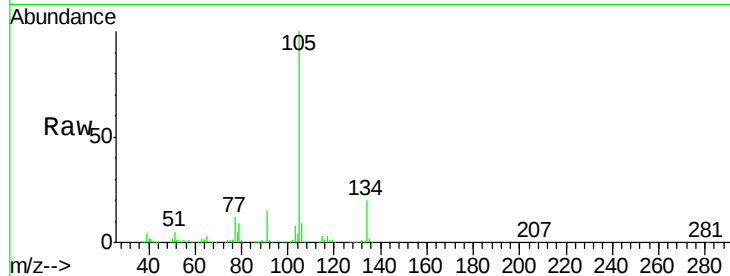
Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9

Manual Integrations
APPROVED

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3/10/2020 3:34:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

300000

250000

200000

150000

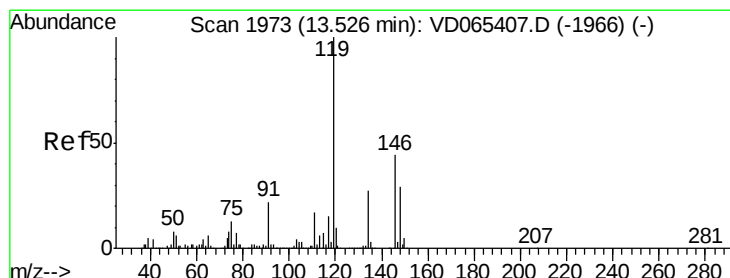
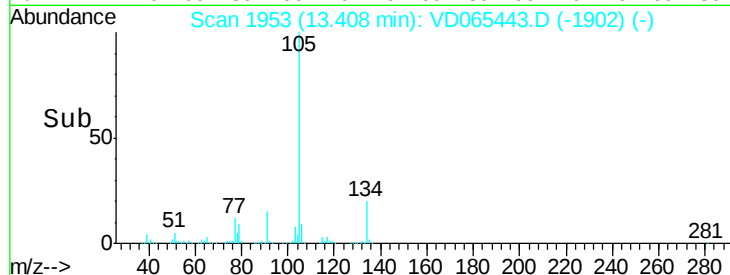
100000

50000

0

Time-->

13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 21.000 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

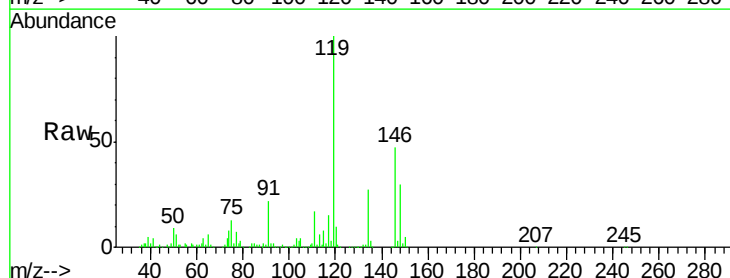
Tgt Ion:119 Resp: 402659

Ion Ratio Lower Upper

119 100

134 26.9 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

300000

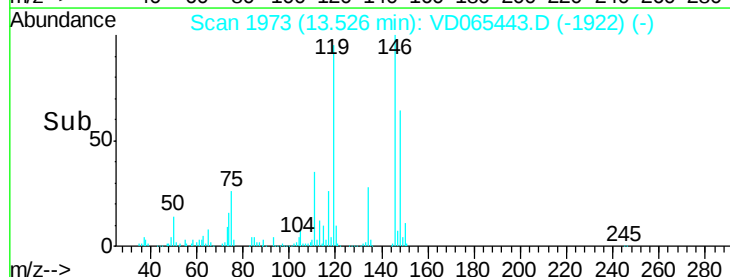
200000

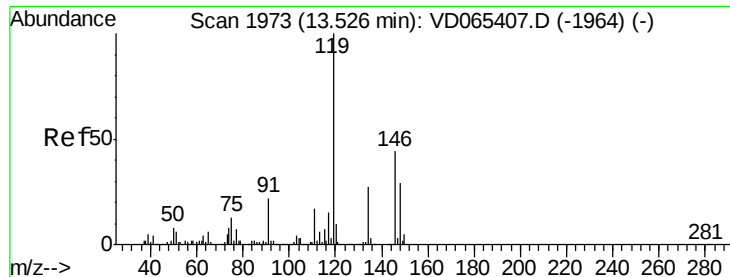
100000

0

Time-->

13.45 13.50 13.55 13.60





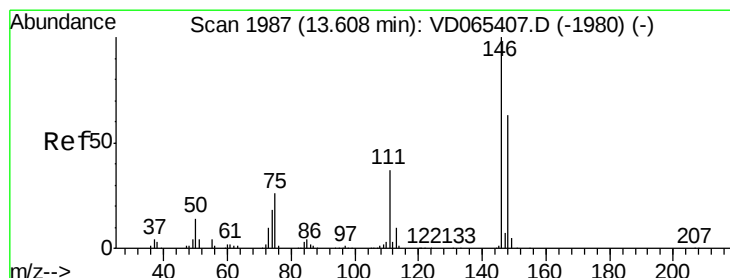
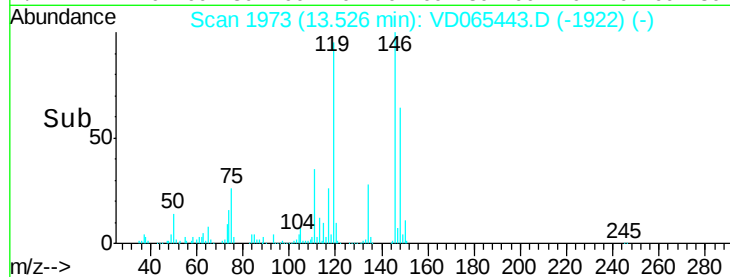
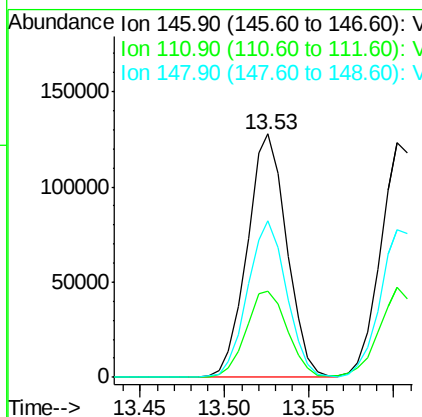
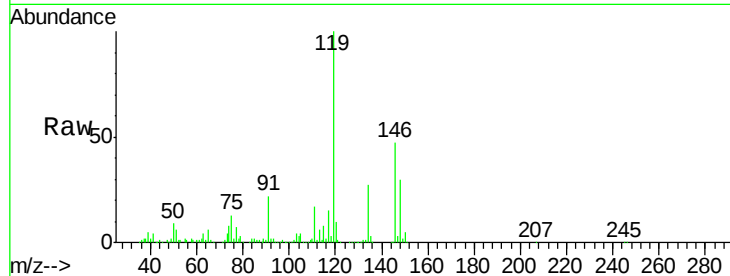
#87
 1,3-Dichlorobenzene
 Concen: 20.627 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	63.4	32.3	96.8

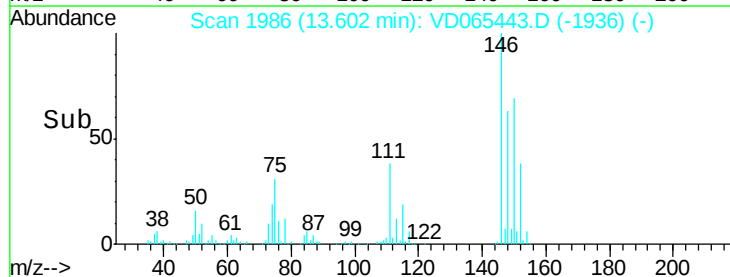
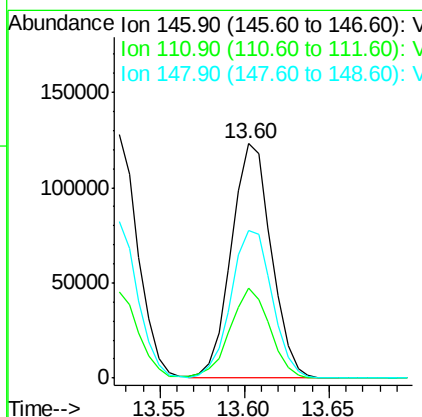
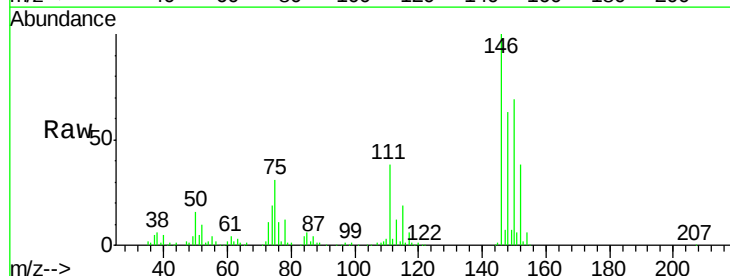
Manual Integrations
 APPROVED

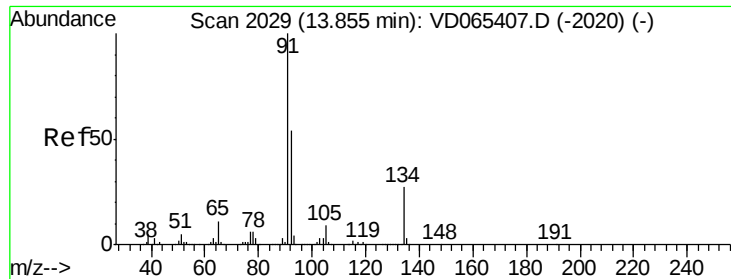
MMDadoda
 3/10/2020 3:34:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.204 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.5	55.5
148	64.7	32.0	96.0





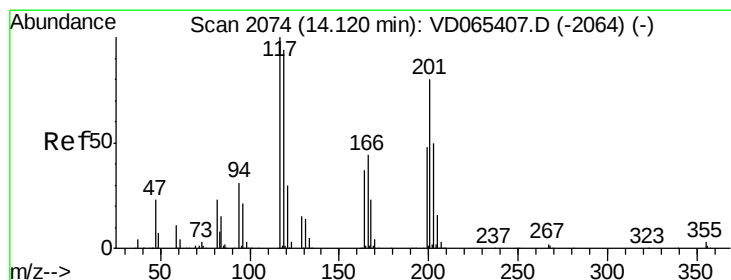
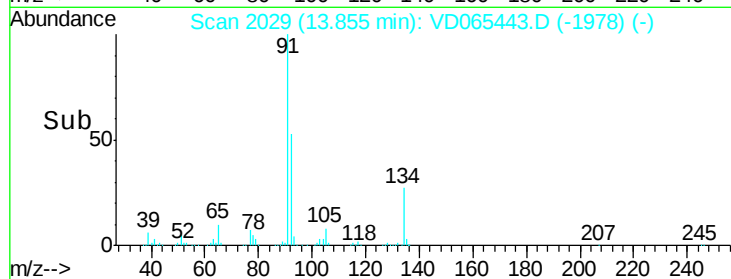
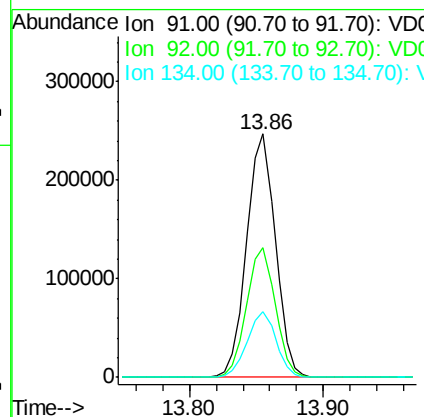
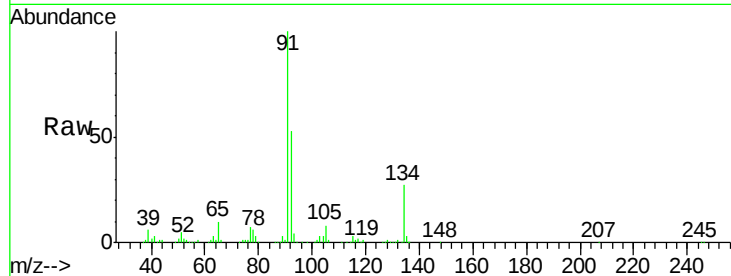
#89
n-Butylbenzene
Concen: 20.739 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	367623		
92	52.9	26.8	80.4	
134	26.9	13.4	40.2	

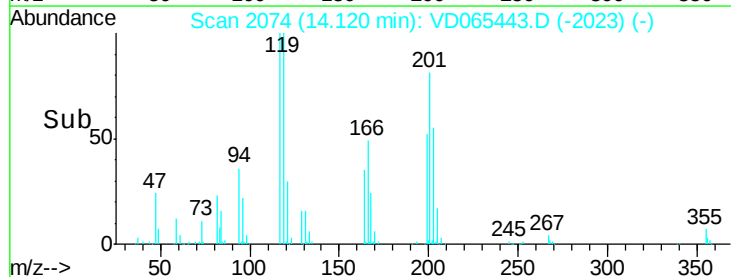
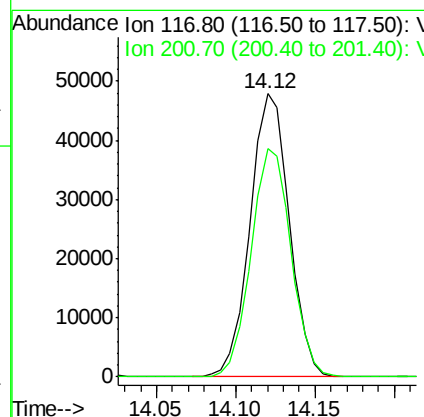
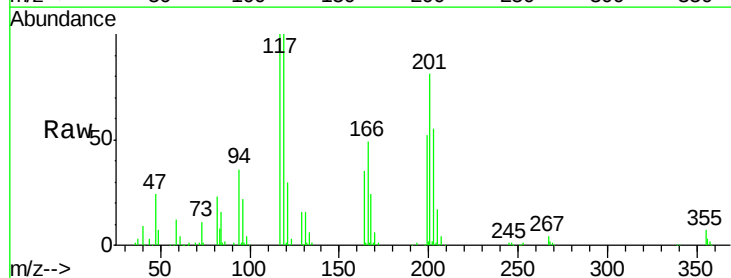
Manual Integrations
APPROVED

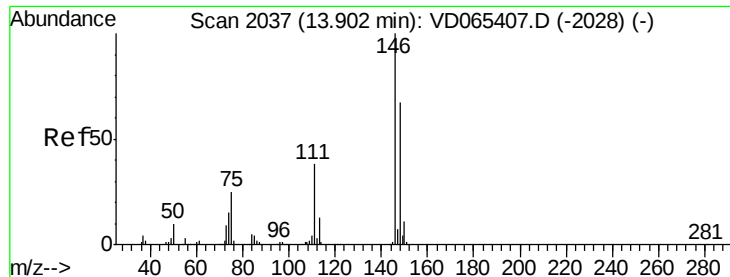
MMDadoda
3/10/2020 3:34:26 PM



#90
Hexachloroethane
Concen: 20.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82354		
201	82.1	41.9	125.6	





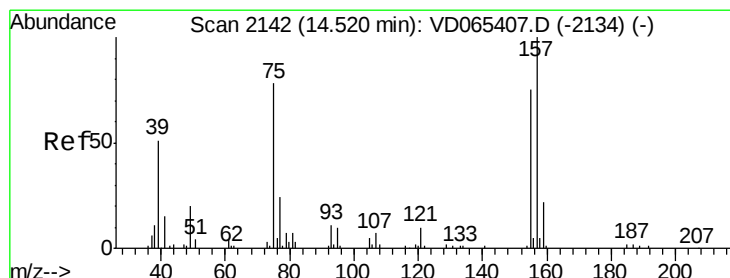
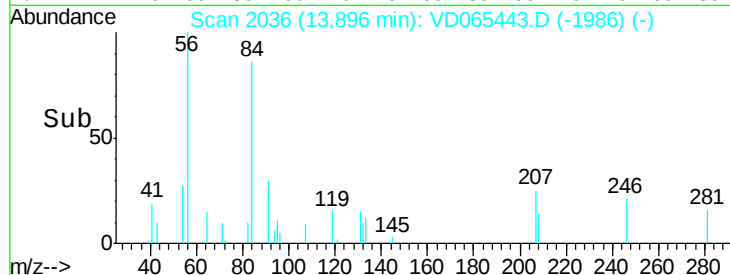
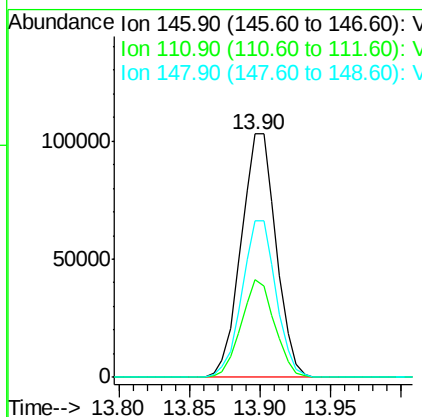
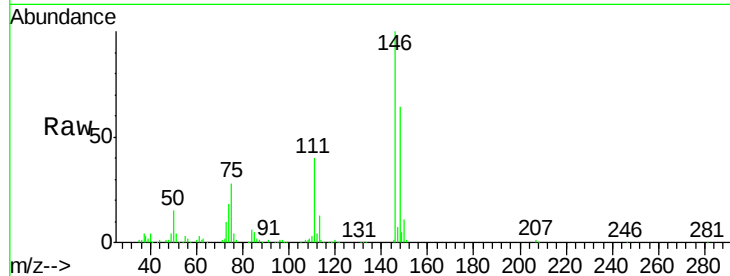
#91
 1,2-Dichlorobenzene
 Concen: 20.777 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.8	59.3
148	62.5	32.6	97.8

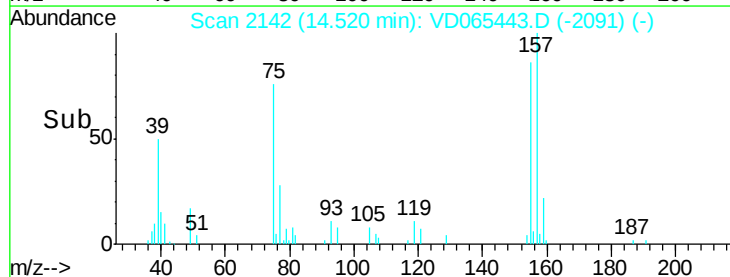
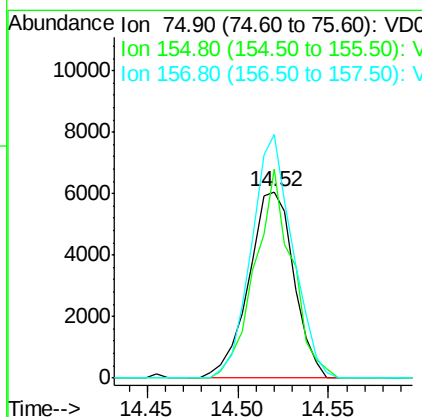
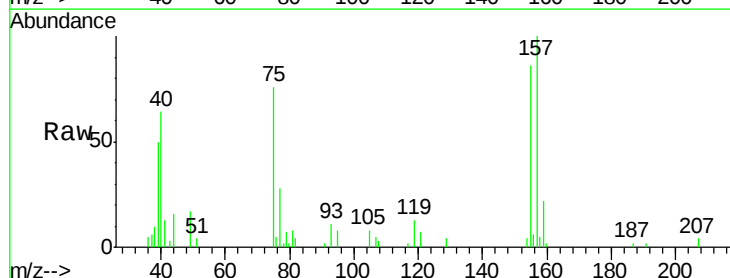
Manual Integrations
 APPROVED

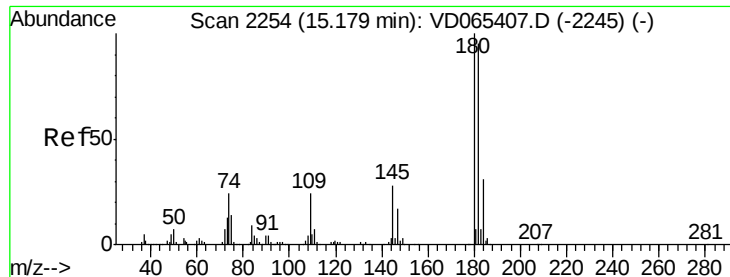
MMDadoda
 3/10/2020 3:34:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.466 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	46.4	139.1
157	119.3	60.2	180.4





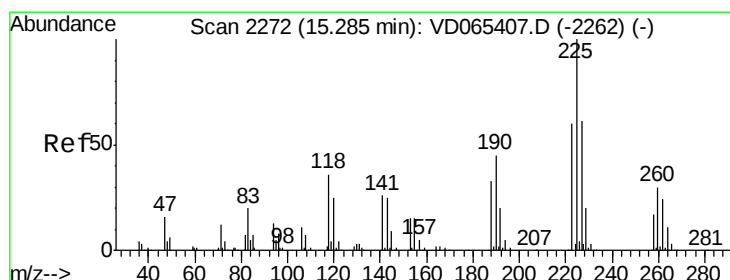
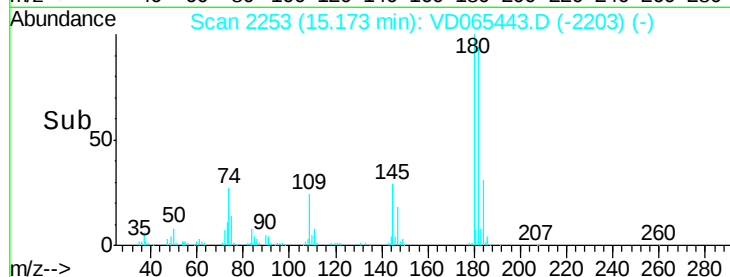
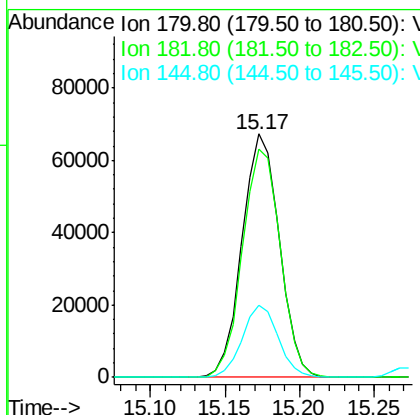
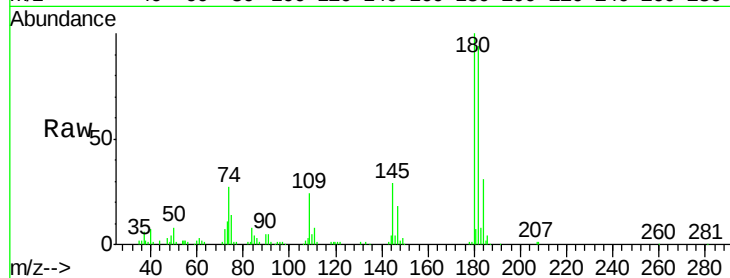
#93
 1,2,4-Trichlorobenzene
 Concen: 19.939 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116269		
182	95.4	48.3	144.9	
145	28.7	14.4	43.4	

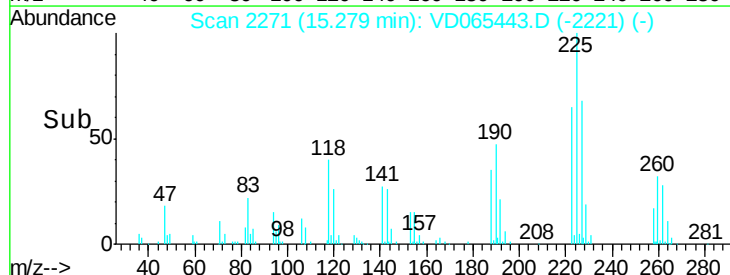
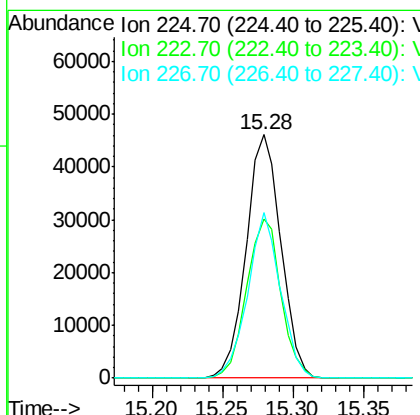
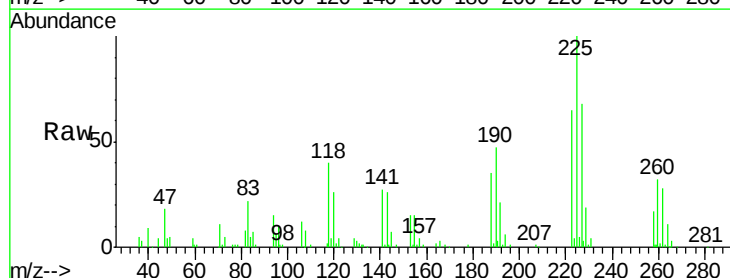
Manual Integrations
 APPROVED

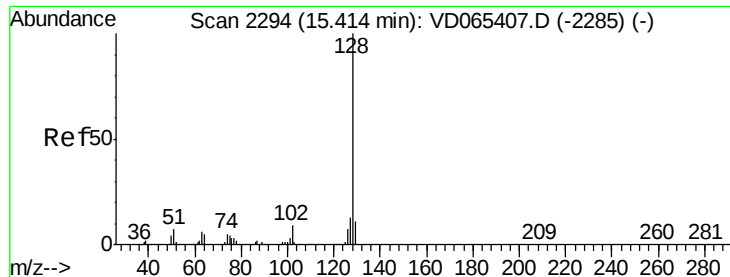
MMDadoda
 3/10/2020 3:34:26 PM



#94
 Hexachlorobutadiene
 Concen: 20.752 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79512		
223	64.7	30.9	92.5	
227	64.2	31.6	94.7	





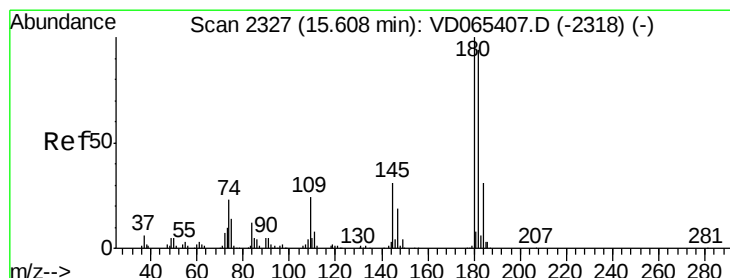
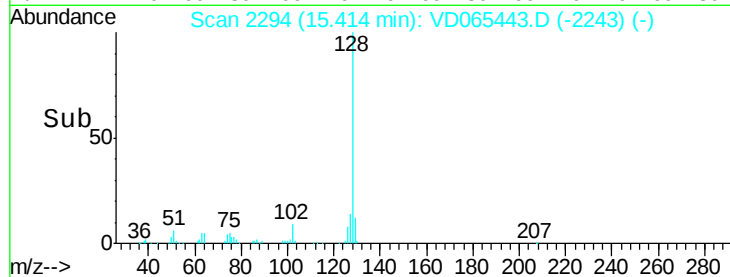
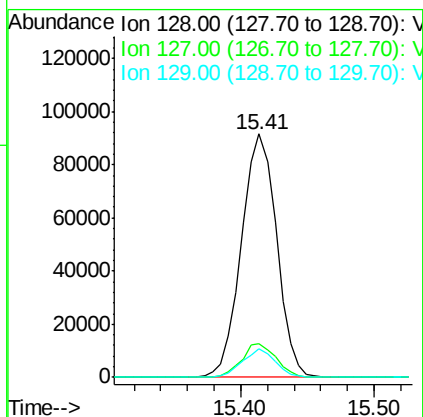
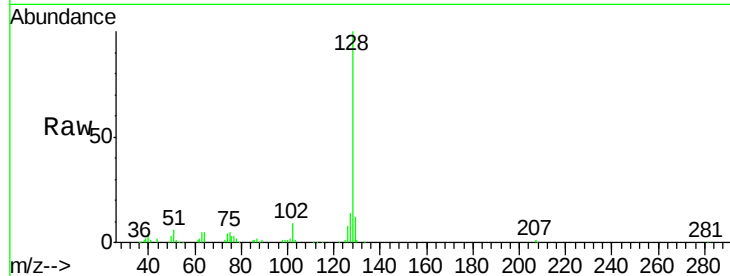
#95
Naphthalene
Concen: 19.096 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167423		
127	13.6		10.6	16.0
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 3:34:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.972 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100635		
182	93.9		46.9	140.6
145	30.5		15.0	45.1

