

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065419.D
 Acq On : 04 Mar 2020 19:10
 Operator : VA/SY
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:16 PM

Quant Time: Mar 05 02:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	553850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210955	65.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.76%	
35) Dibromofluoromethane	7.92	113	209191	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
50) Toluene-d8	10.34	98	784704	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.64	95	253178	58.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	13633	4.249	ug/l	90
3) Chloromethane	2.21	50	18133	4.681	ug/l	96
4) Vinyl Chloride	2.35	62	17477	4.574	ug/l	97
5) Bromomethane	2.77	94	14472	5.924	ug/l	89
6) Chloroethane	2.93	64	11191	4.783	ug/l	90
7) Trichlorofluoromethane	3.27	101	26237	4.660	ug/l	92
8) Diethyl Ether	3.71	74	9521	5.687	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	16922	4.667	ug/l	97
10) Methyl Iodide	4.29	142	15666	4.159	ug/l #	76
11) Tert butyl alcohol	5.24	59	5561	30.275	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	16399	4.723	ug/l	83
13) Acrolein	3.92	56	8107	25.592	ug/l	97
14) Allyl chloride	4.71	41	24520	4.597	ug/l	98
15) Acrylonitrile	5.43	53	18943	26.009	ug/l	97
16) Acetone	4.17	43	18992	29.325	ug/l	97
17) Carbon Disulfide	4.40	76	54670	4.728	ug/l	99
18) Methyl Acetate	4.73	43	8703	5.298	ug/l #	84
19) Methyl tert-butyl Ether	5.49	73	31924	4.781	ug/l	99
20) Methylene Chloride	4.97	84	25589	6.387	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	18023	4.667	ug/l	86
22) Diisopropyl ether	6.37	45	45509	4.590	ug/l	99
23) Vinyl Acetate	6.31	43	118689	21.560	ug/l	97
24) 1,1-Dichloroethane	6.26	63	31597	4.969	ug/l	95
25) 2-Butanone	7.23	43	22611	25.584	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	25950	4.670	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	18845	4.774	ug/l	98
28) Bromochloromethane	7.56	49	13087	5.144	ug/l	96
29) Tetrahydrofuran	7.58	42	13983	24.775	ug/l	95
30) Chloroform	7.71	83	33330	5.244	ug/l	97
31) Cyclohexane	7.98	56	32285	5.077	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	26131	4.449	ug/l	98
36) 1,1-Dichloropropene	8.11	75	23358	4.120	ug/l	98
37) Ethyl Acetate	7.30	43	10622	4.848	ug/l #	93
38) Carbon Tetrachloride	8.10	117	25507	4.339	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	25761	3.762	ug/l	99
40) Benzene	8.36	78	70957	4.477	ug/l	97
41) Methacrylonitrile	7.53	41	6206	5.356	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	21326	5.153	ug/l	98
43) Isopropyl Acetate	8.46	43	19336	4.779	ug/l	98
44) Trichloroethene	9.11	130	20414	4.561	ug/l	99
45) 1,2-Dichloropropane	9.39	63	17696	4.609	ug/l	97
46) Dibromomethane	9.48	93	10168	5.106	ug/l	95
47) Bromodichloromethane	9.67	83	25570	4.935	ug/l	91
48) Methyl methacrylate	9.46	41	8992	4.725	ug/l	94
49) 1,4-Dioxane	9.46	88	2030	89.111	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	46002	22.595	ug/l	97
52) Toluene	10.40	92	44004	4.407	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	21486	4.438	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	24909	4.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	14454	5.124	ug/l	94
56) Ethyl methacrylate	10.66	69	13765	4.329	ug/l	95
57) 1,3-Dichloropropane	10.95	76	22911	4.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	20842	20.324	ug/l	96
59) 2-Hexanone	10.99	43	31830	22.585	ug/l	90
60) Dibromochloromethane	11.14	129	17332	4.794	ug/l	95
61) 1,2-Dibromoethane	11.24	107	12840	4.772	ug/l	98
64) Tetrachloroethene	10.88	164	17175	4.328	ug/l	95
65) Chlorobenzene	11.68	112	49247	4.493	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	18476	4.629	ug/l	97
67) Ethyl Benzene	11.75	91	75762	4.001	ug/l	96
68) m/p-Xylenes	11.86	106	54797	7.504	ug/l	97
69) o-Xylene	12.18	106	24347	3.790	ug/l	95
70) Styrene	12.20	104	41373	3.660	ug/l	97
71) Bromoform	12.37	173	10410	4.643	ug/l #	98
73) Isopropylbenzene	12.48	105	64738	3.598	ug/l	100
74) N-amyl acetate	12.30	43	14127	3.835	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	15534	4.912	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	10162m	4.708	ug/l	
77) Bromobenzene	12.77	156	20150	4.507	ug/l	98
78) n-propylbenzene	12.83	91	82894	3.883	ug/l	99
79) 2-Chlorotoluene	12.91	91	48767	4.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	55128	3.727	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	4260	4.165	ug/l	97
82) 4-Chlorotoluene	13.01	91	52706	4.169	ug/l	98
83) tert-Butylbenzene	13.23	119	43945	3.512	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	51974	3.565	ug/l	99
85) sec-Butylbenzene	13.41	105	62326	3.489	ug/l	99
86) p-Isopropyltoluene	13.53	119	55010	3.375	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	36012	4.190	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	38815	4.540	ug/l	94
89) n-Butylbenzene	13.85	91	54859	3.640	ug/l	98
90) Hexachloroethane	14.12	117	14141	4.213	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	33240	4.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2564	5.323	ug/l	88

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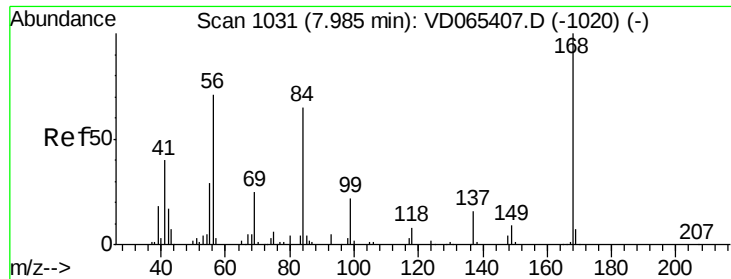
Manual Integrations
APPROVED

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3/5/2020 1:39:16 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20887	4.214	ug/l	99
94) Hexachlorobutadiene	15.28	225	13881	4.262	ug/l	99
95) Naphthalene	15.41	128	30597	3.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	17847	4.166	ug/l	93

(#) = 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: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion:168 Resp: 373315

Ion Ratio Lower Upper

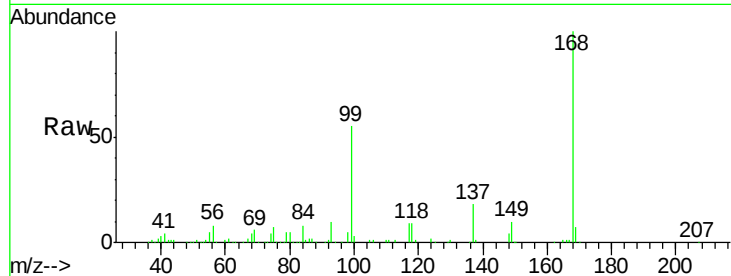
168 100

99 55.1 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

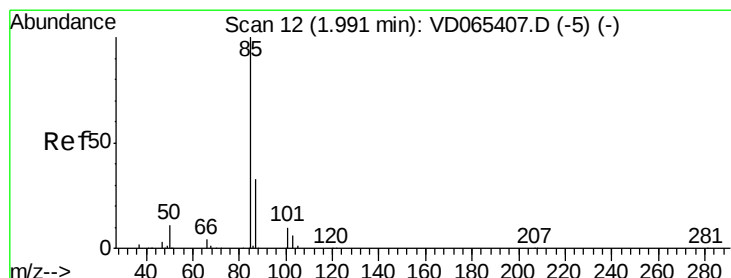
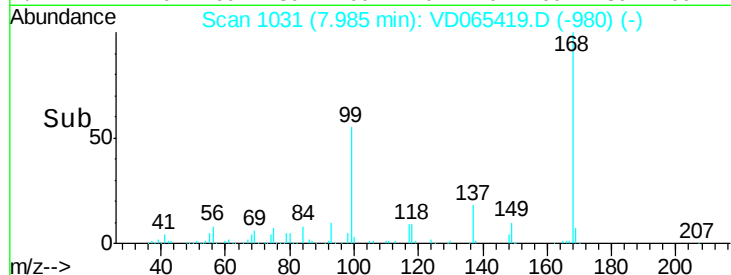
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.249 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065419.D

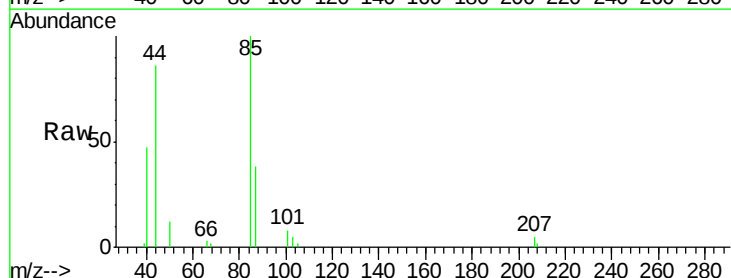
Acq: 04 Mar 2020 19:10

Tgt Ion: 85 Resp: 13633

Ion Ratio Lower Upper

85 100

87 38.5 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

10000

8000

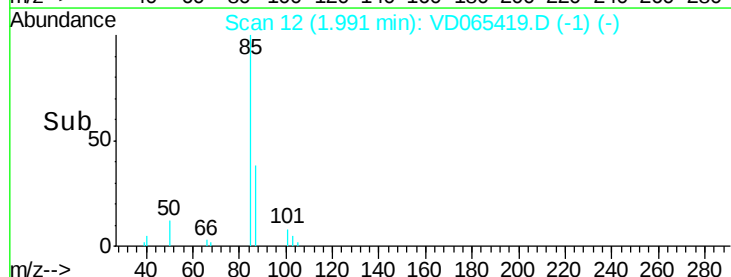
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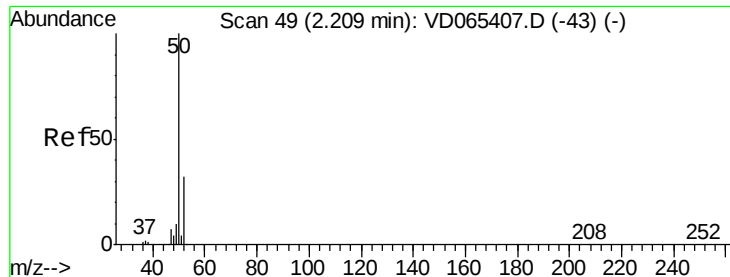
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.681 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 50 Resp: 18133

Ion Ratio Lower Upper

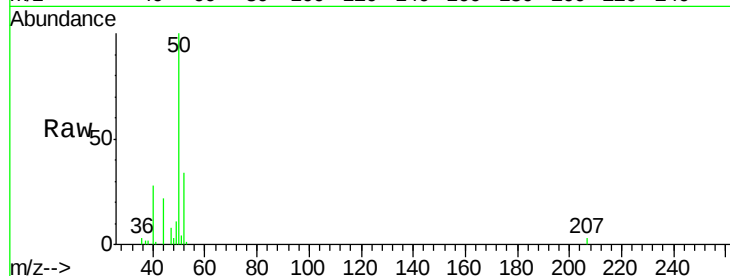
50 100

52 34.3 25.8 38.8

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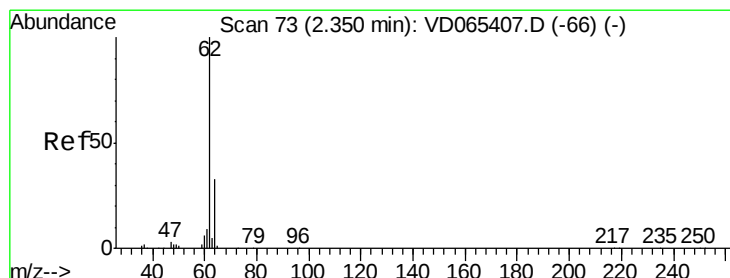
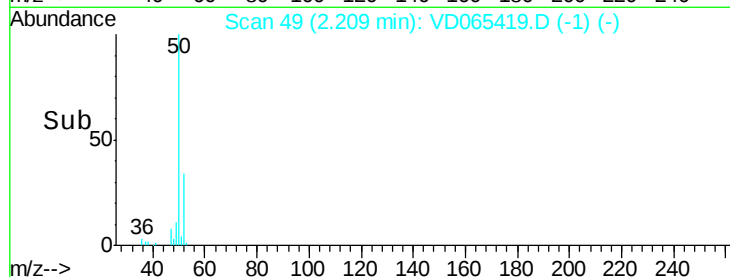
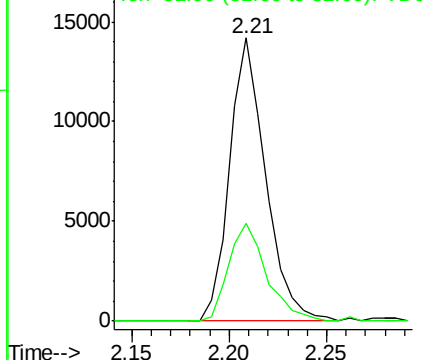
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.574 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065419.D

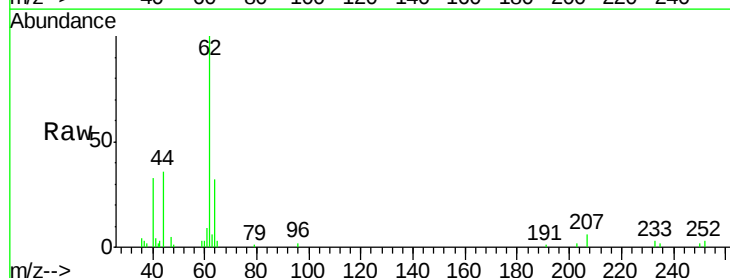
Acq: 04 Mar 2020 19:10

Tgt Ion: 62 Resp: 17477

Ion Ratio Lower Upper

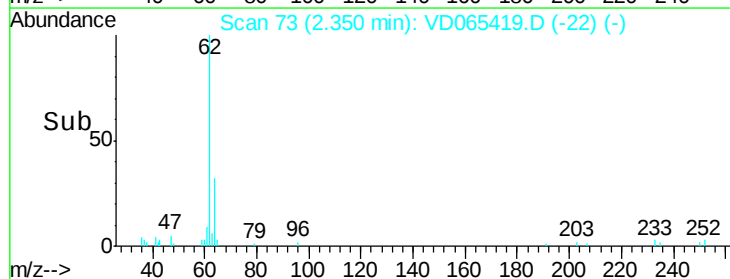
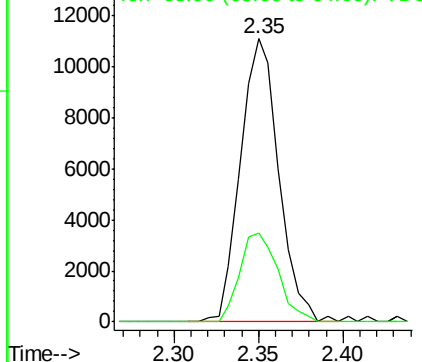
62 100

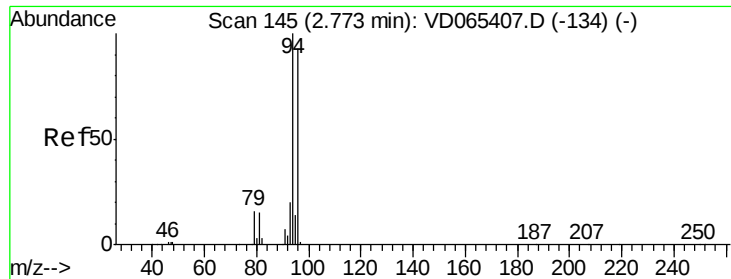
64 31.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.924 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 94 Resp: 14472

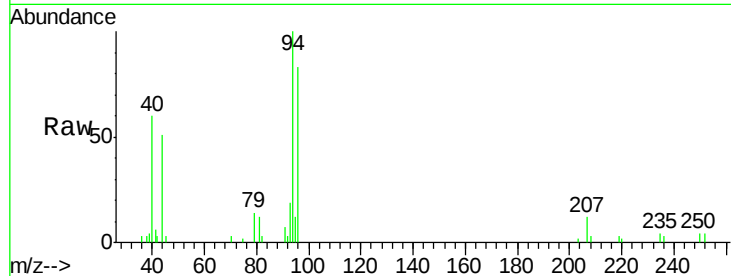
Ion Ratio Lower Upper

94 100

96 82.5 74.4 111.6

Manual Integrations
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3/5/2020 1:39:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

8000

6000

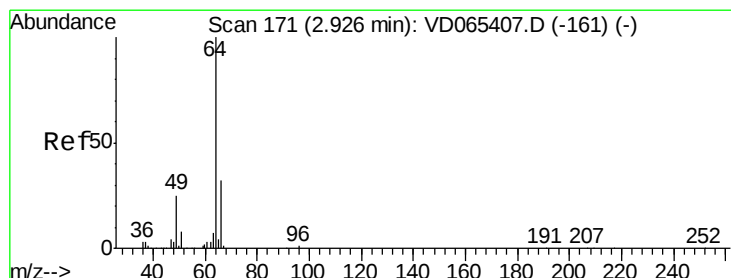
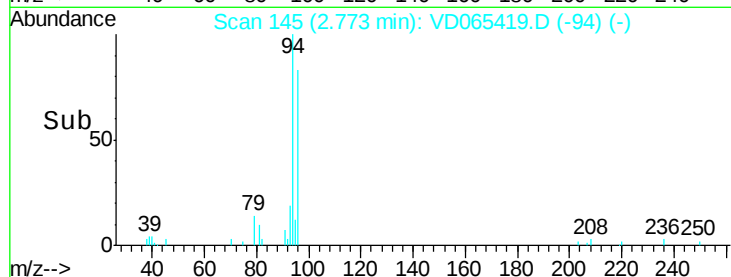
4000

2000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 4.783 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065419.D

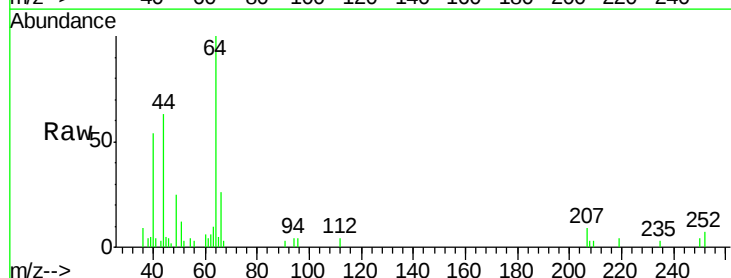
Acq: 04 Mar 2020 19:10

Tgt Ion: 64 Resp: 11191

Ion Ratio Lower Upper

64 100

66 26.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

6000

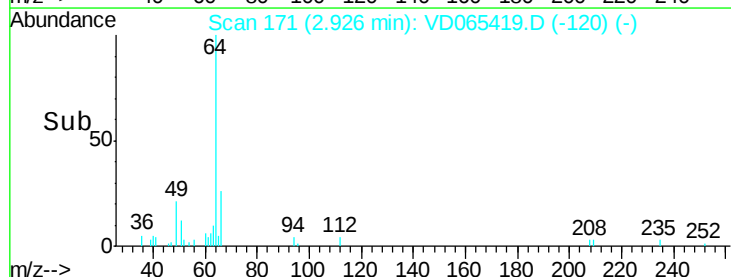
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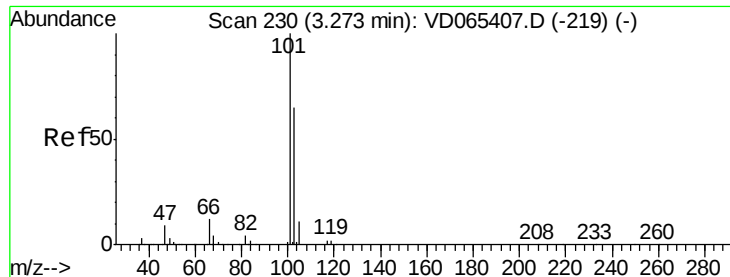
2000

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Time-->

2.85 2.90 2.95 3.00





#7

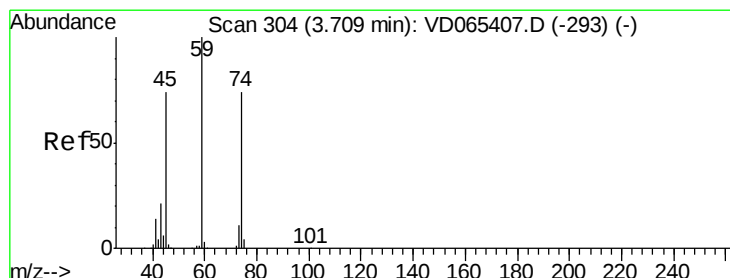
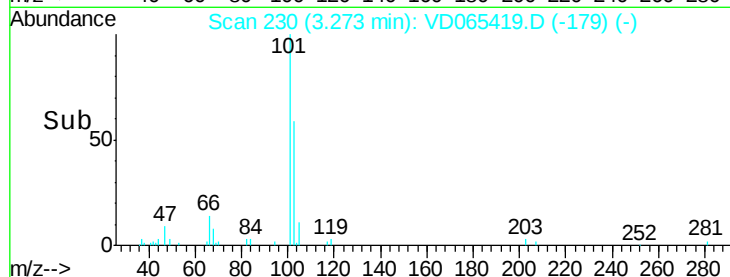
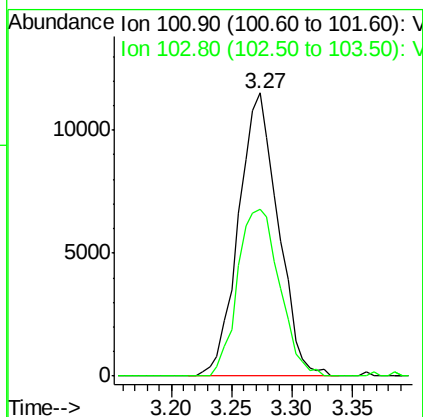
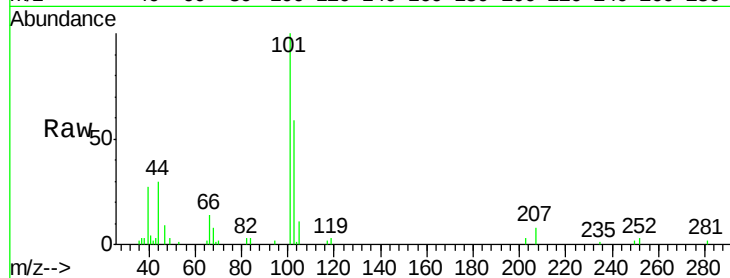
Trichlorofluoromethane
 Concen: 4.660 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
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 VD0306

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	52.1	78.1

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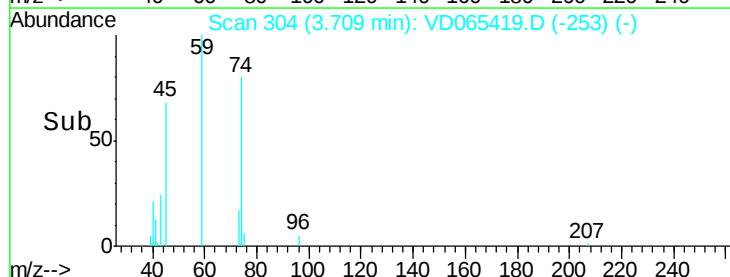
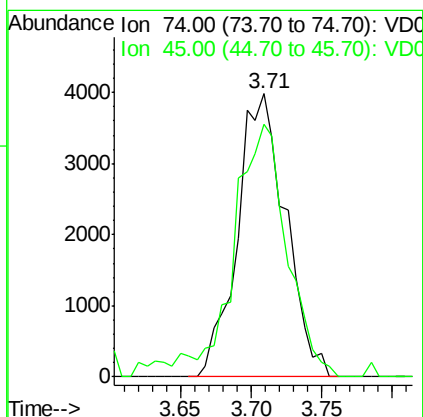
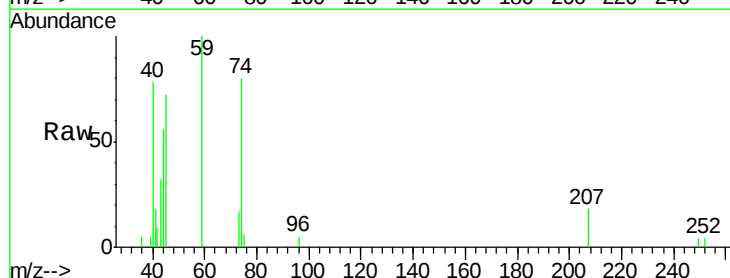
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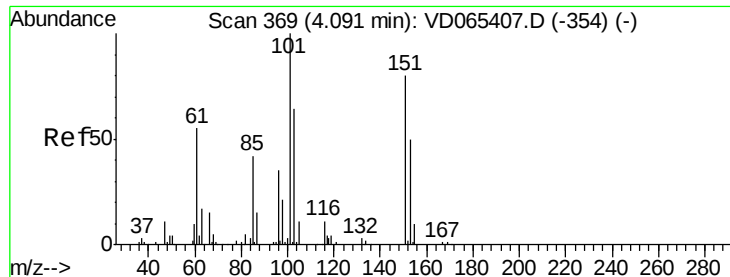


#8

Diethyl Ether
 Concen: 5.687 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.667 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

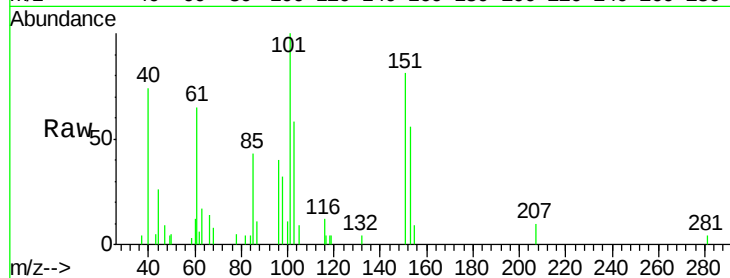
ClientSampleId :

VD0306

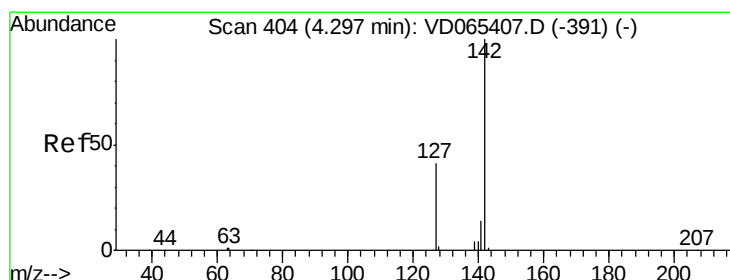
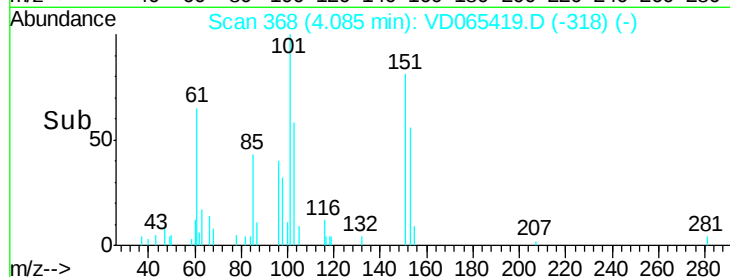
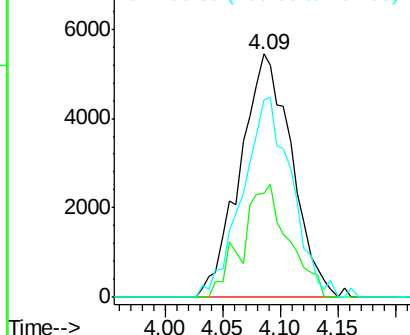
Tot Ion:	101	Resp:	16922
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	78.4	65.1	97.7

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



#10

Methyl Iodide

Concen: 4.159 ug/l

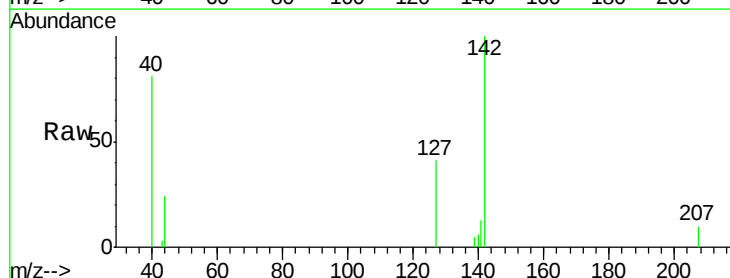
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

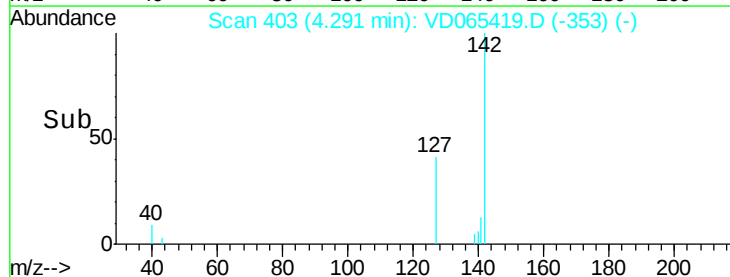
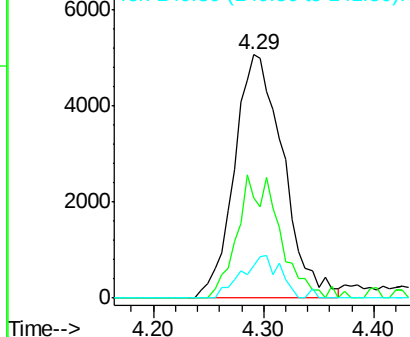
Lab File: VD065419.D

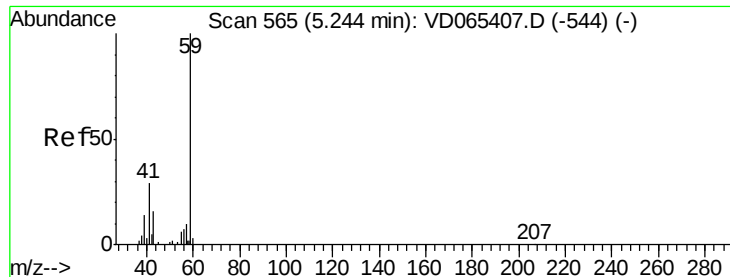
Acq: 04 Mar 2020 19:10

Tgt Ion:	142	Resp:	15666
Ion Ratio	Lower	Upper	
142	100		
127	23.8	35.0	52.6#
141	13.7	12.4	18.6



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





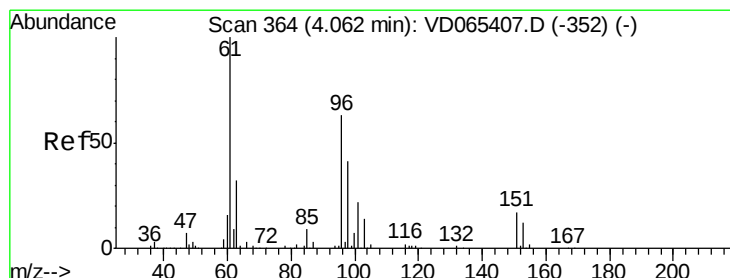
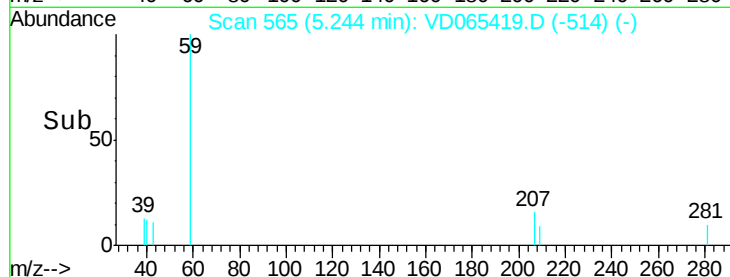
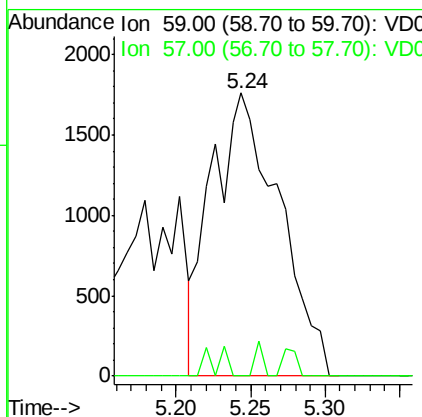
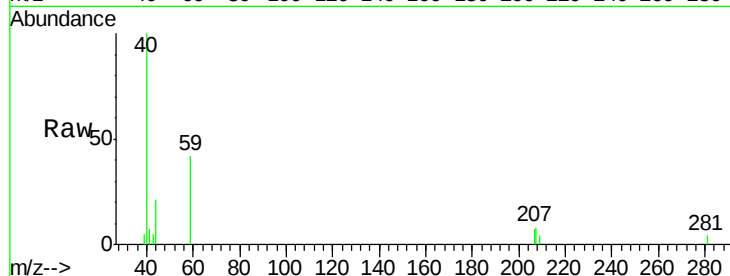
#11
Tert butyl alcohol
Concen: 30.275 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.9	10.3#

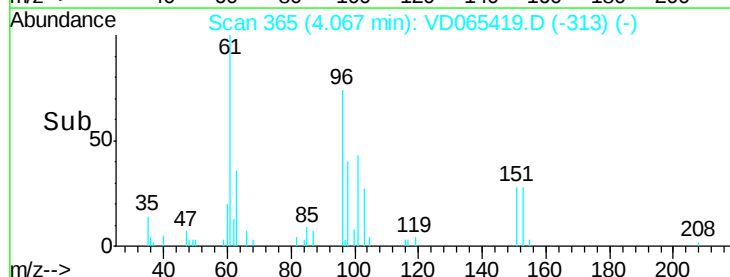
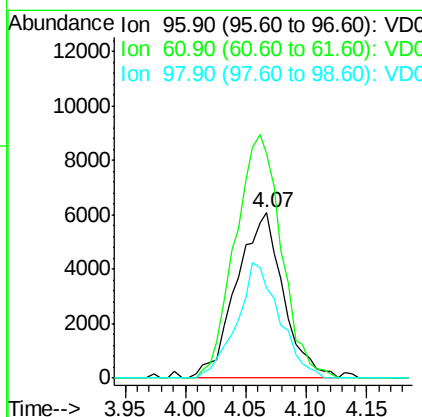
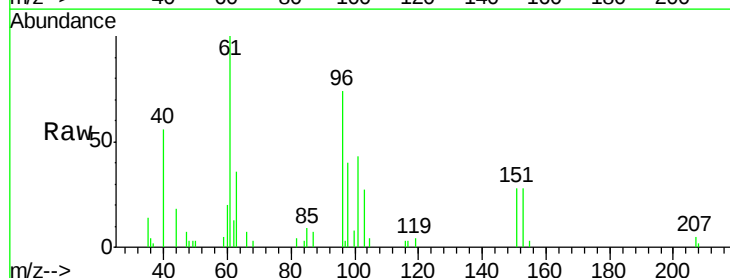
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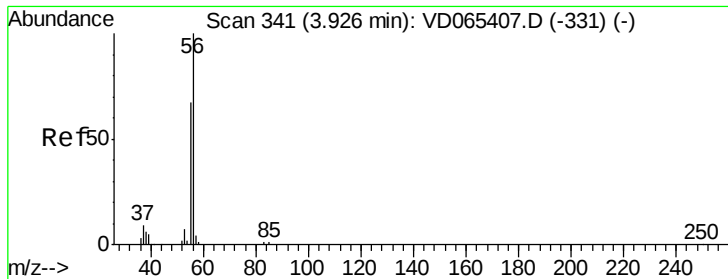
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.723 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.6	128.0	192.0
98	54.6	51.9	77.9





#13

Acrolein

Concen: 25.592 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 56 Resp: 8107

Ion Ratio Lower Upper

56 100

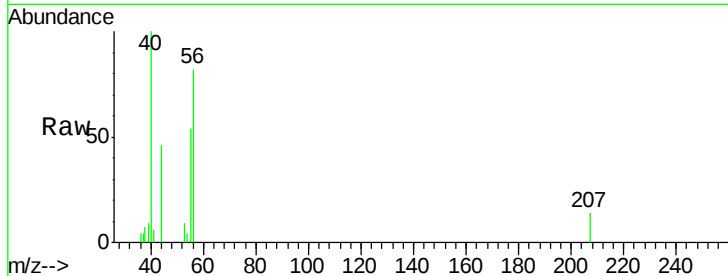
55 73.7 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

4000

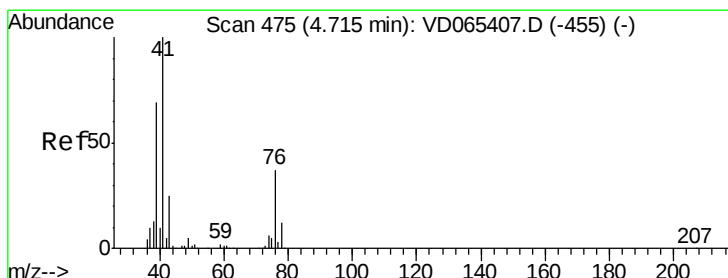
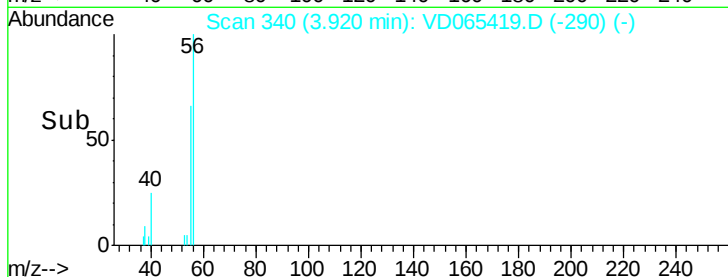
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.597 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

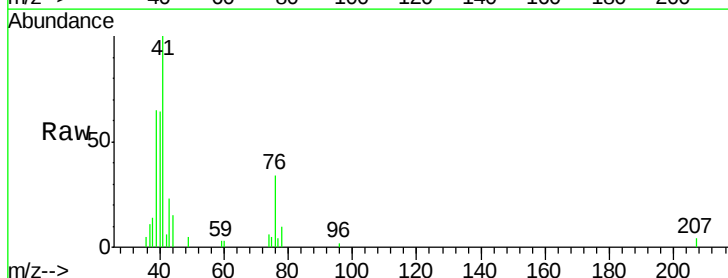
Tgt Ion: 41 Resp: 24520

Ion Ratio Lower Upper

41 100

39 63.0 52.6 79.0

76 36.2 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

10000

8000

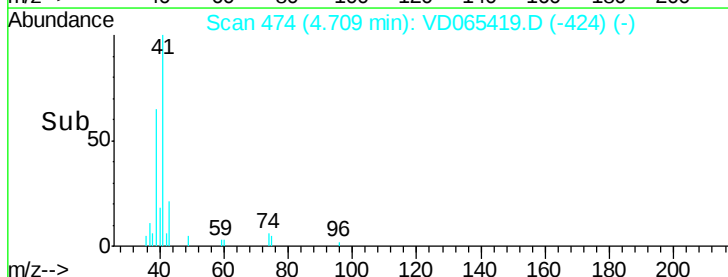
6000

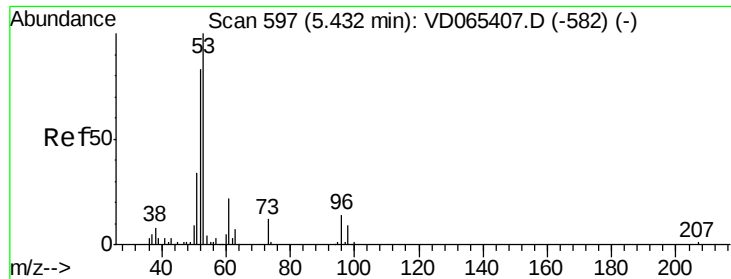
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 26.009 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

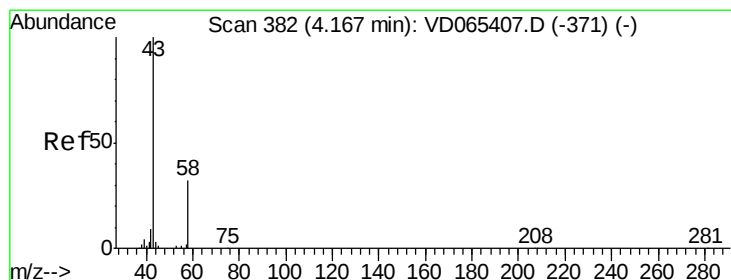
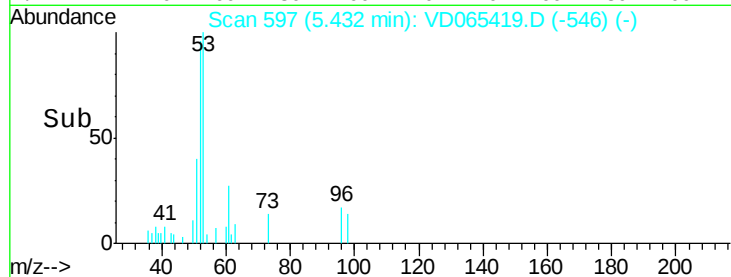
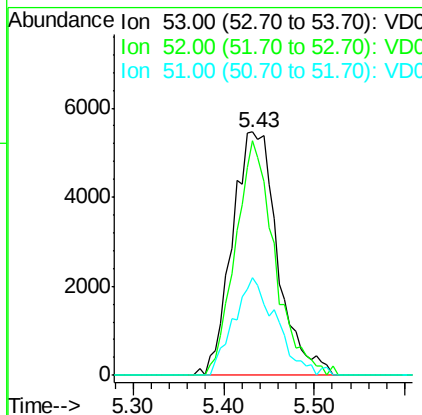
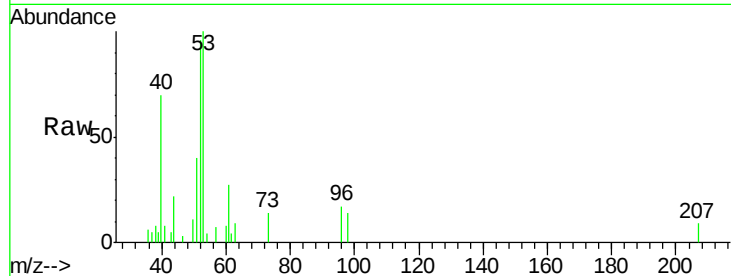
ClientSampleId :

VD0306

Tot Ion:	53	Resp:	18943
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.1	97.7
51	37.5	28.5	42.7

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#16

Acetone

Concen: 29.325 ug/l

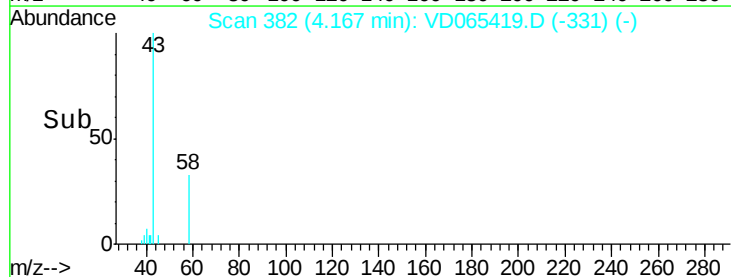
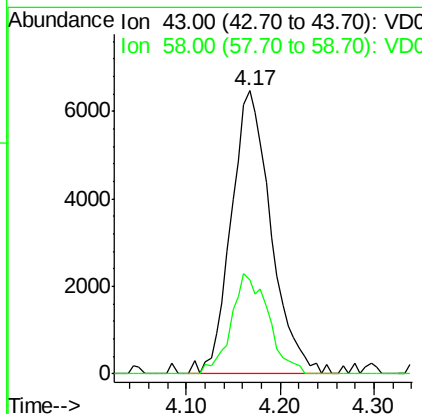
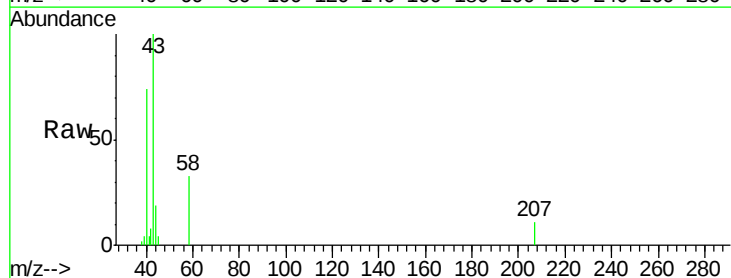
RT: 4.17 min Scan# 382

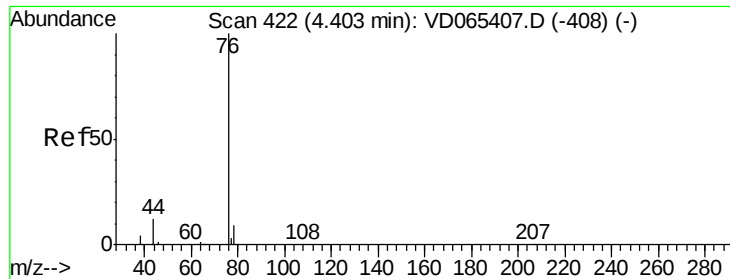
Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion:	43	Resp:	18992
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.1	37.7





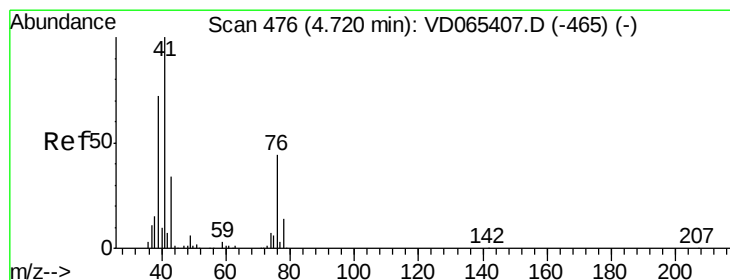
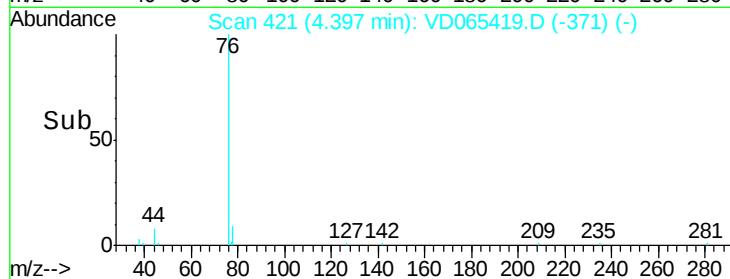
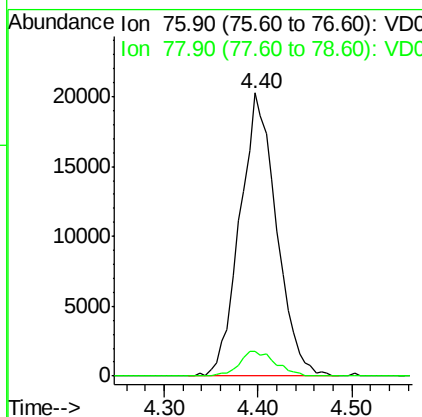
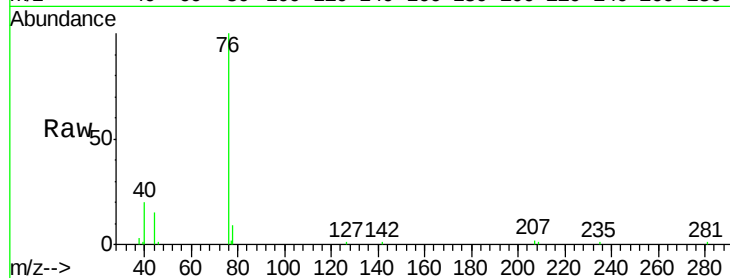
#17
Carbon Disulfide
Concen: 4.728 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

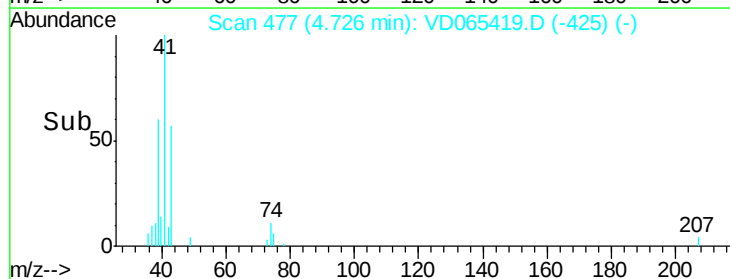
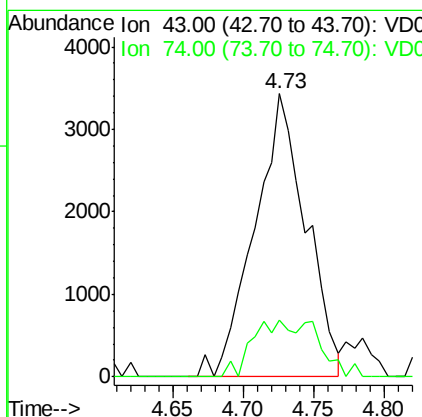
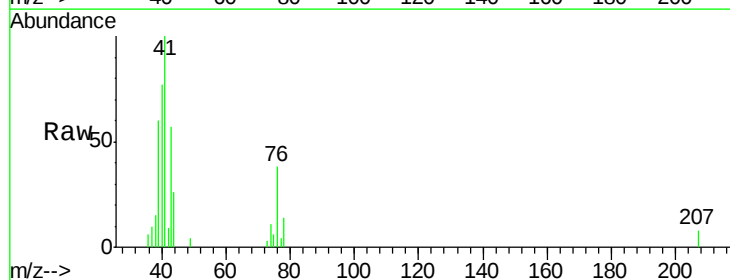
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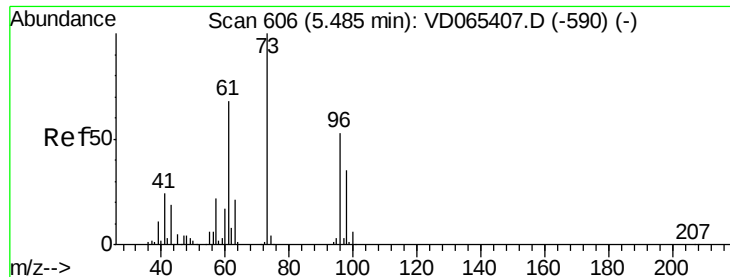
MMDadoda
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#18
Methyl Acetate
Concen: 5.298 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.5	19.6	29.4#





#19

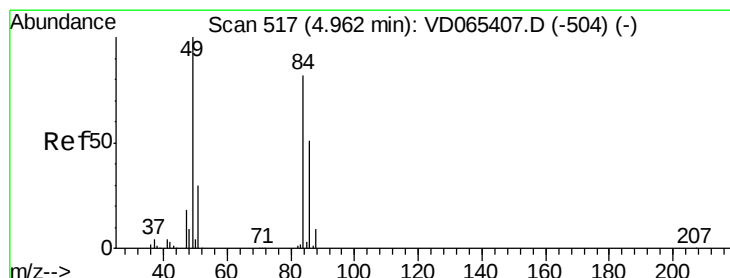
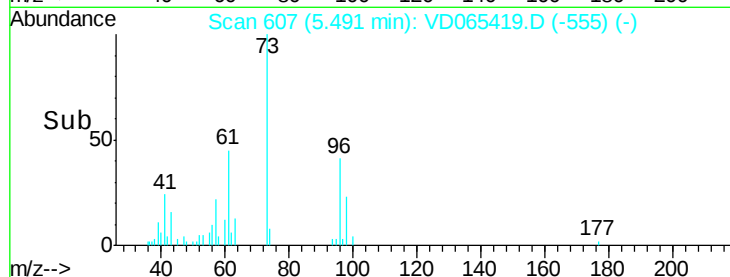
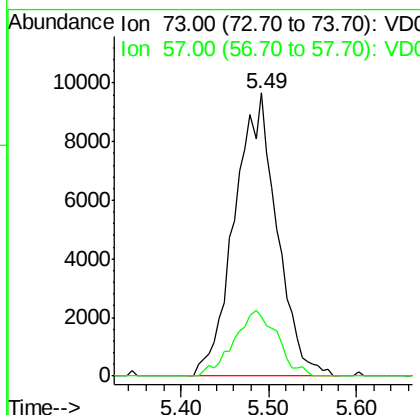
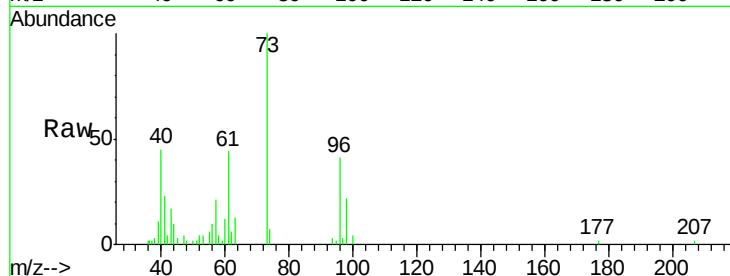
Methyl tert-butyl Ether
 Concen: 4.781 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.3	25.9

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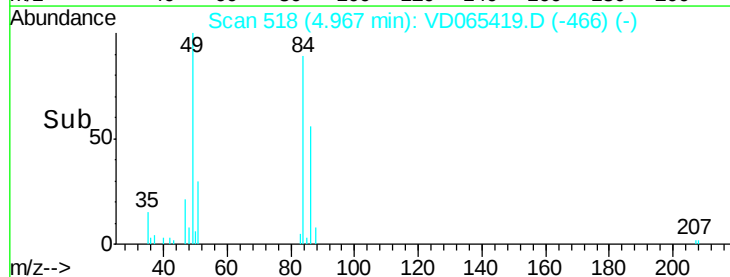
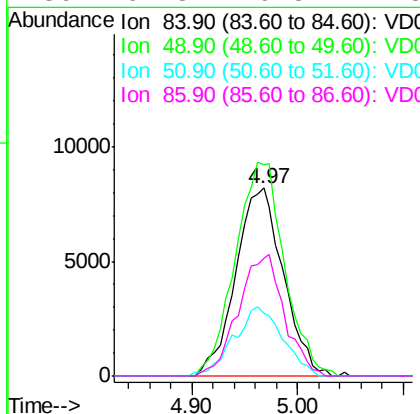
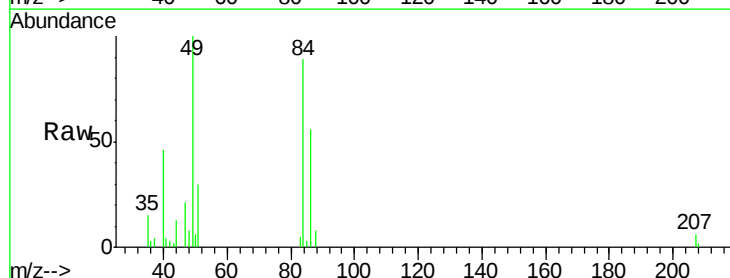
MMDadoda
 3/5/2020 1:39:16 PM

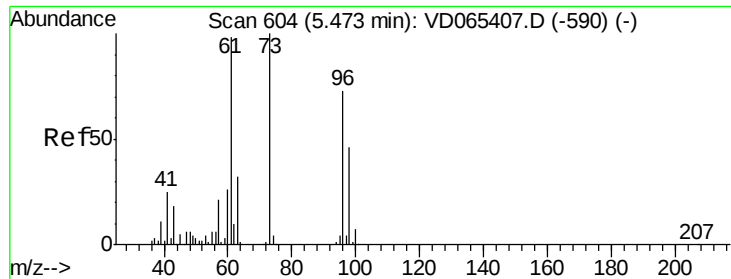


#20

Methylene Chloride
 Concen: 6.387 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.6	97.7	146.5
51	33.5	28.8	43.2
86	62.8	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 4.667 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

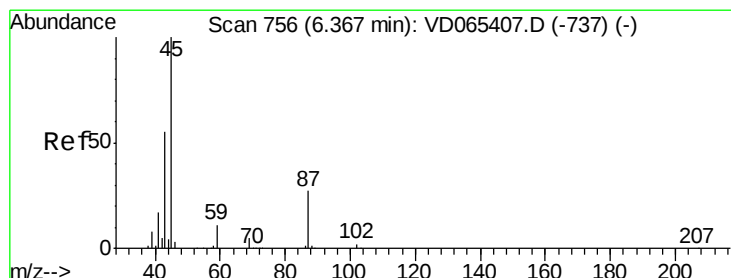
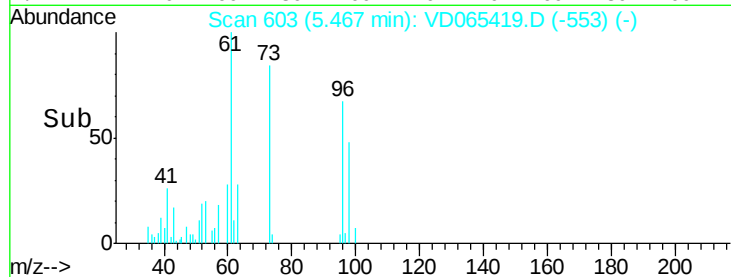
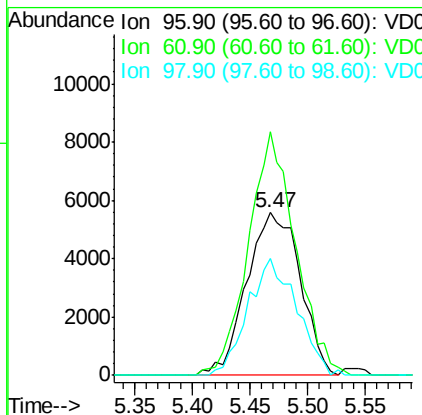
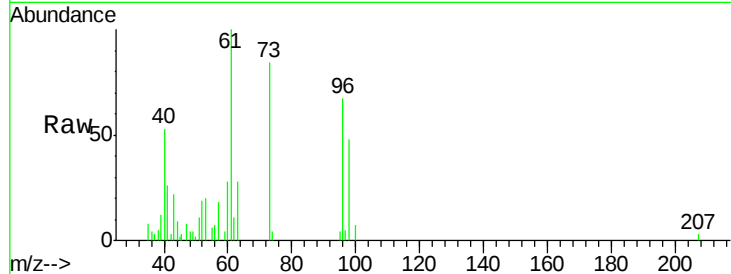
ClientSampleId :

VD0306

Tot Ion:	96	Resp:	18023
Ion	Ratio	Lower	Upper
96	100		
61	149.9	106.3	159.5
98	72.1	50.2	75.4

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#22

Diisopropyl ether

Concen: 4.590 ug/l

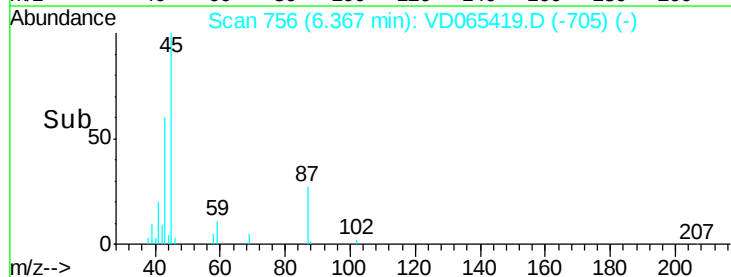
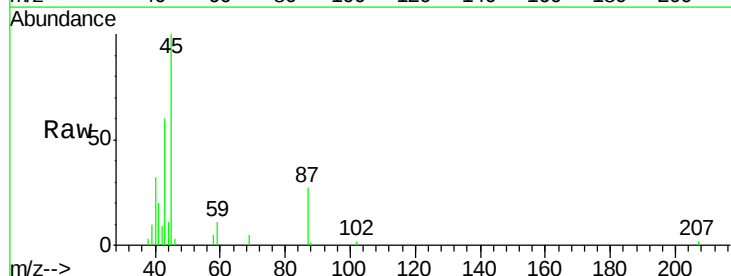
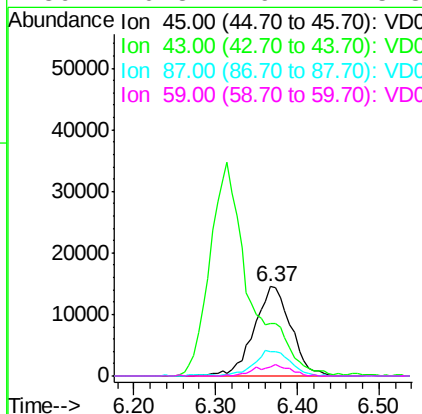
RT: 6.37 min Scan# 756

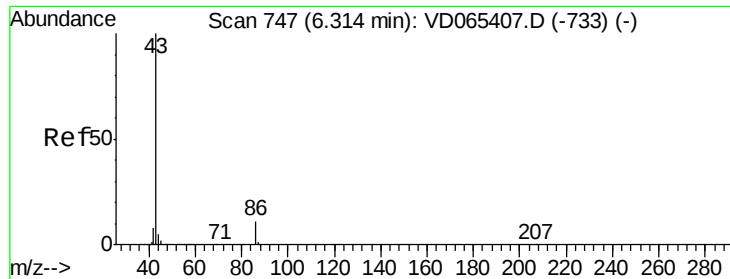
Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion:	45	Resp:	45509
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.4	66.6
87	26.9	21.9	32.9
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 21.560 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 43 Resp: 118689

Ion Ratio Lower Upper

43 100

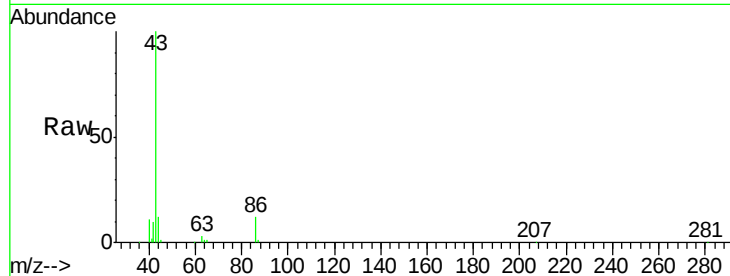
86 12.4 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

40000

30000

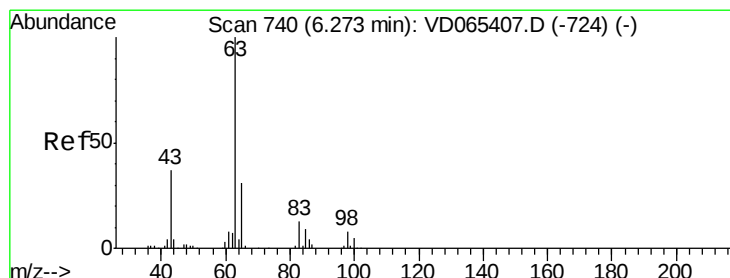
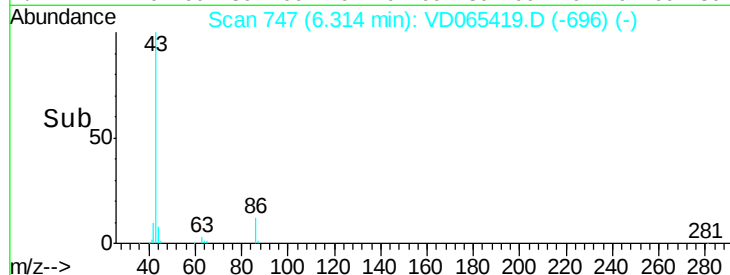
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 4.969 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

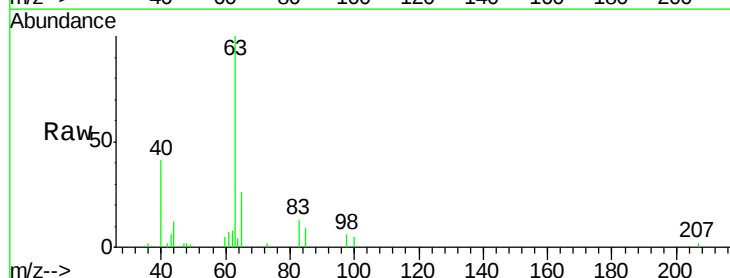
Tgt Ion: 63 Resp: 31597

Ion Ratio Lower Upper

63 100

98 5.6 4.2 12.6

100 4.5 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

6.26

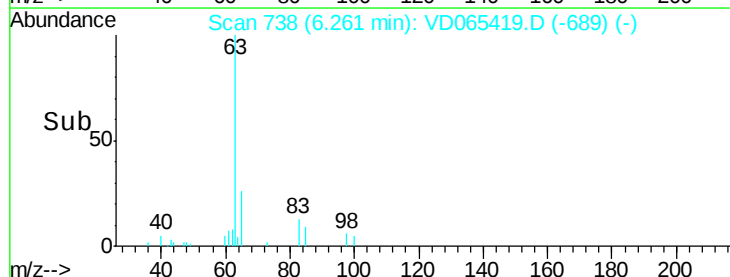
10000

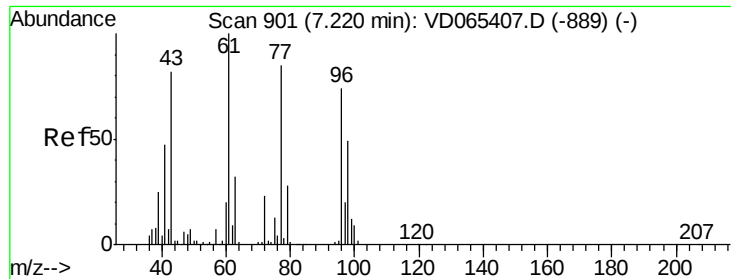
5000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 25.584 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion: 43 Resp: 22611

Ion Ratio Lower Upper

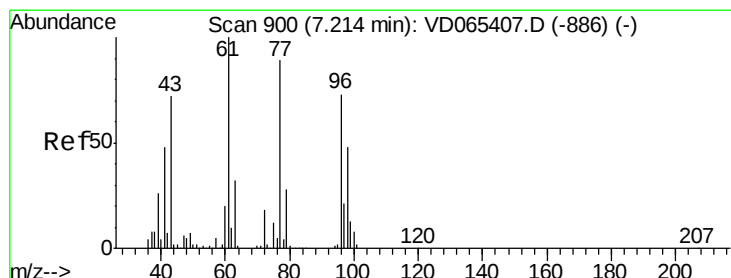
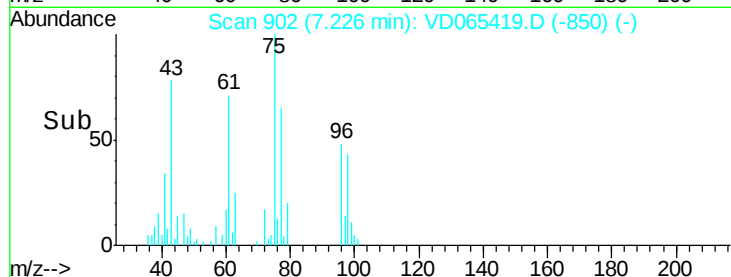
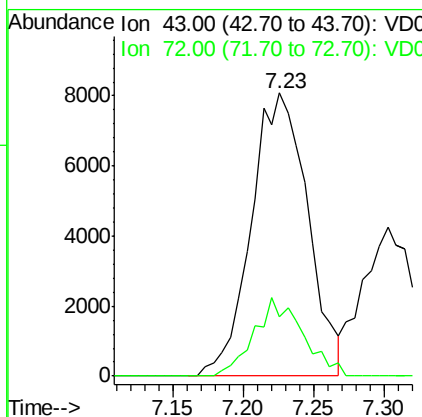
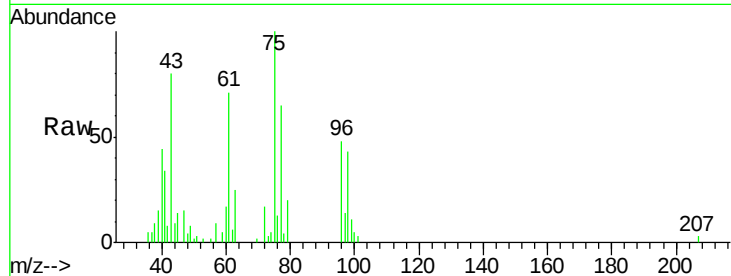
43 100

72 21.0 22.3 33.5#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 4.670 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065419.D

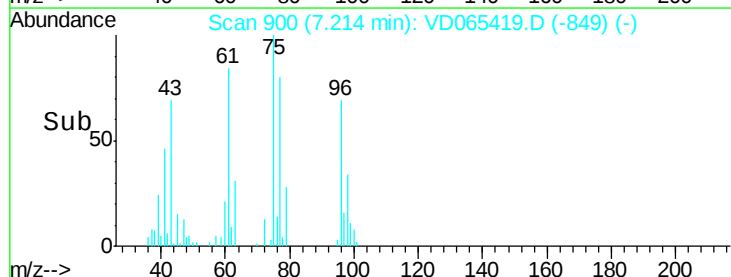
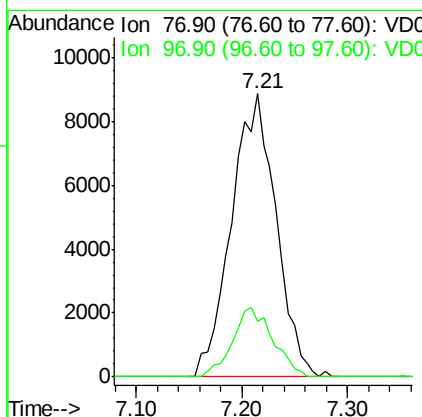
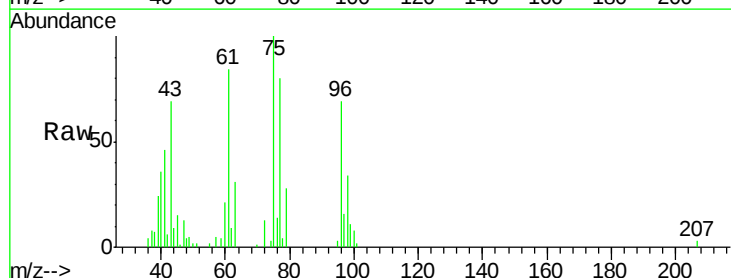
Acq: 04 Mar 2020 19:10

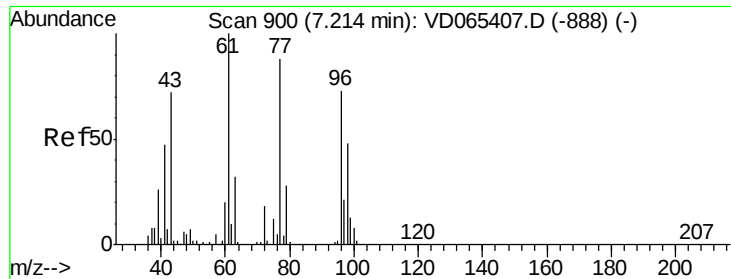
Tgt Ion: 77 Resp: 25950

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.4





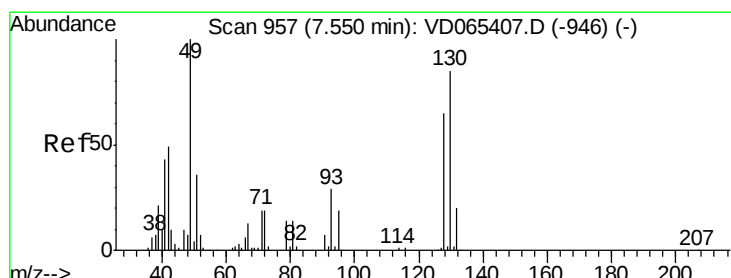
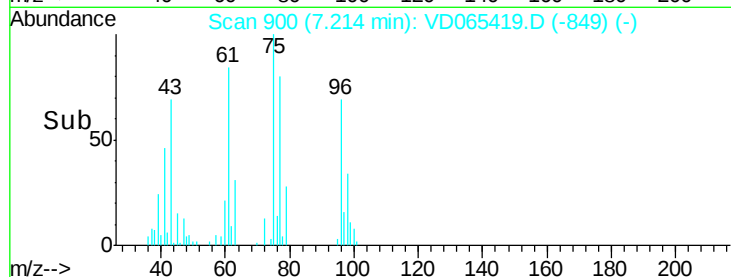
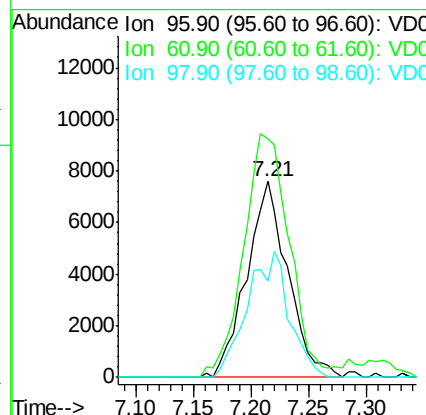
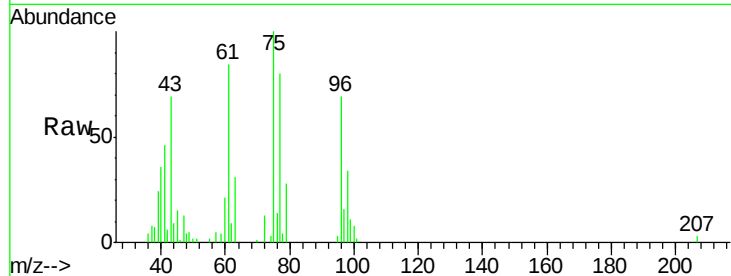
#27
 cis-1,2-Dichloroethene
 Concen: 4.774 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	280.4
98	65.5	0.0	132.6

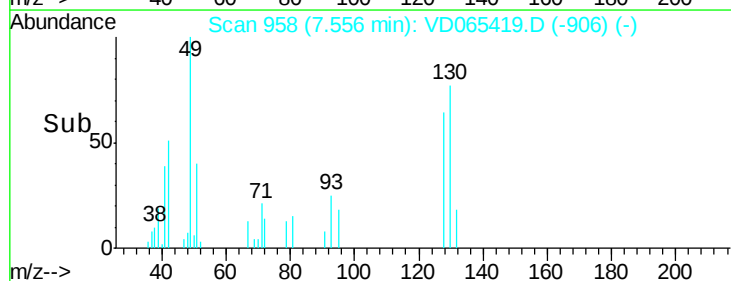
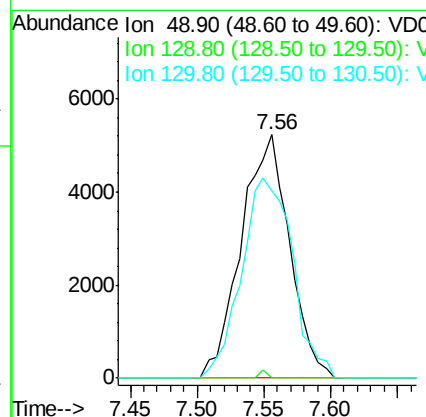
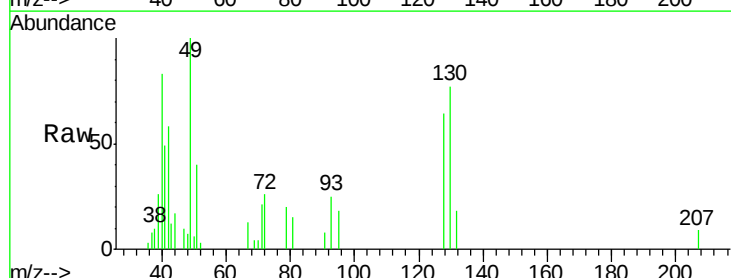
Manual Integrations
 APPROVED

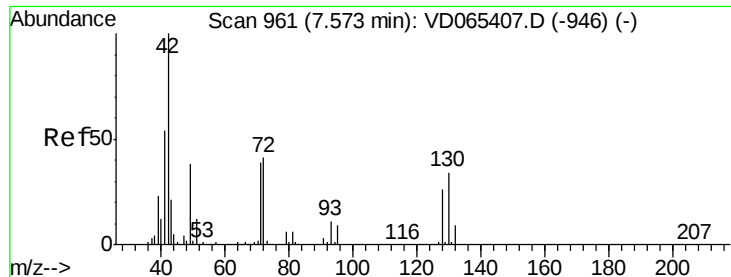
MMDadoda
 3/5/2020 1:39:16 PM



#28
 Bromochloromethane
 Concen: 5.144 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.6
130	87.1	66.6	100.0





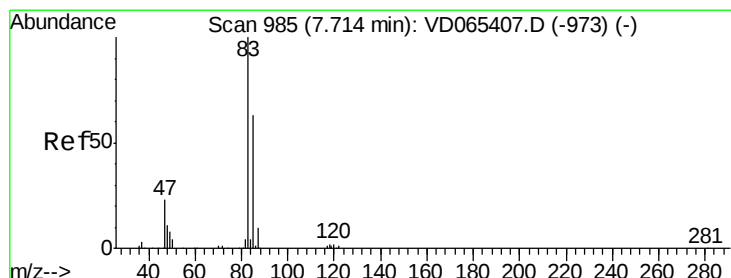
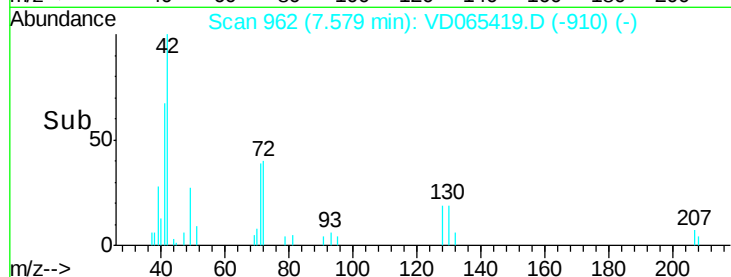
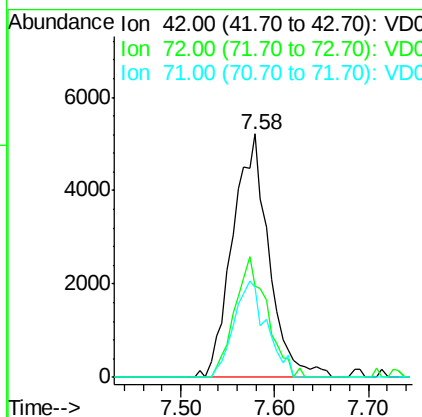
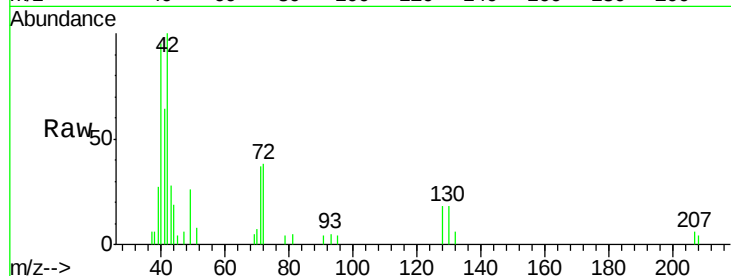
#29
Tetrahydrofuran
Concen: 24.775 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.0	49.6
71	35.9	32.0	48.0

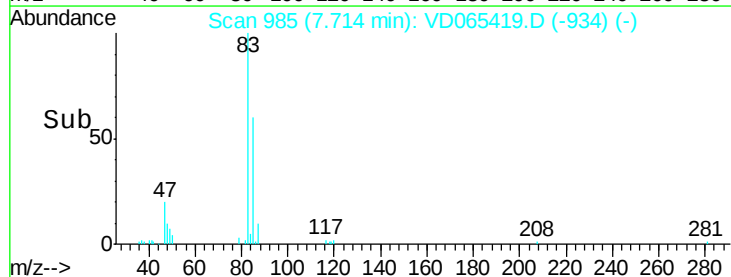
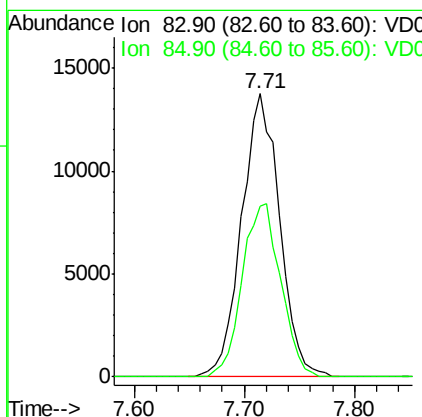
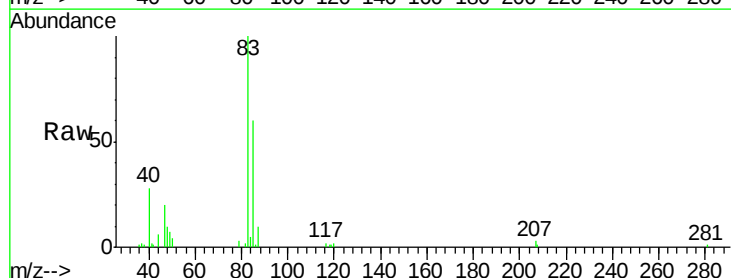
Manual Integrations
APPROVED

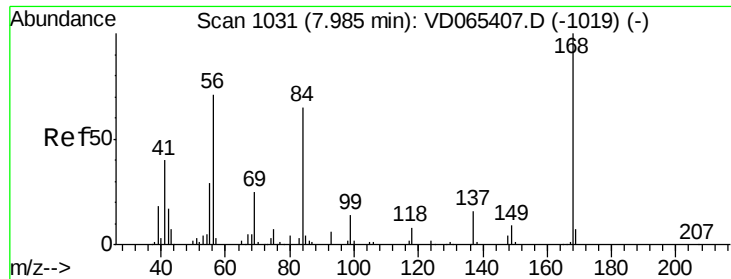
MMDadoda
3/5/2020 1:39:16 PM



#30
Chloroform
Concen: 5.244 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.3	75.5





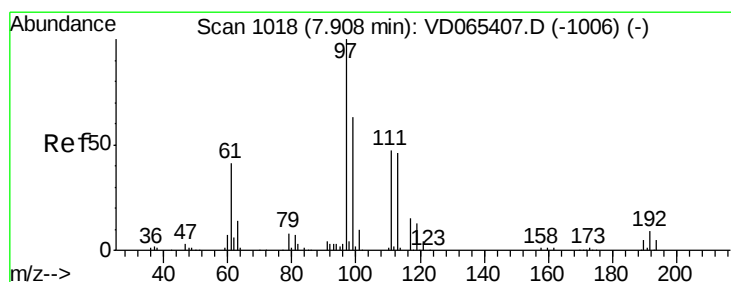
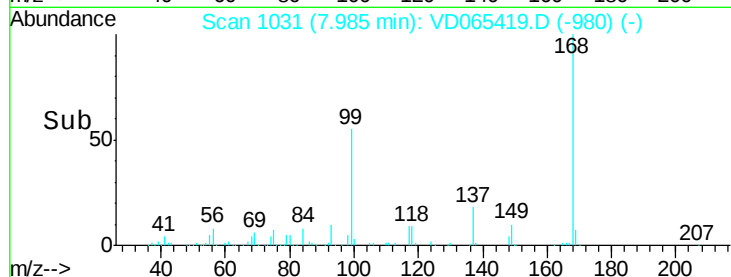
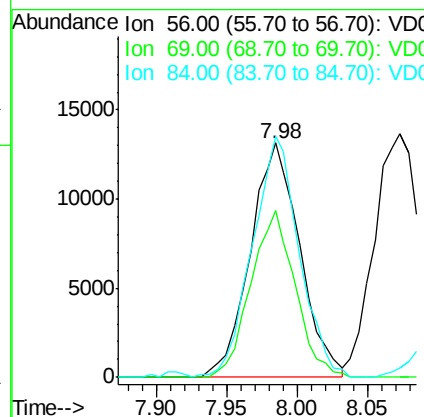
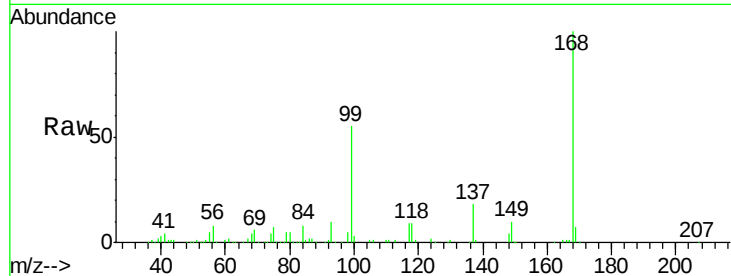
#31
Cyclohexane
Concen: 5.077 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	Ratio	Lower	Upper
56	100		
69	71.1	28.3	42.5#
84	103.1	73.1	109.7

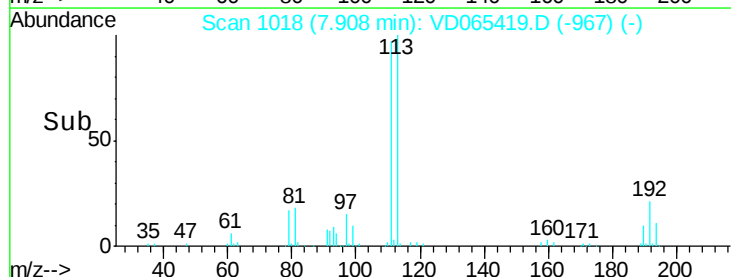
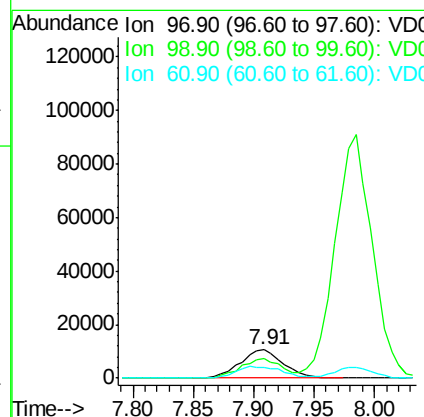
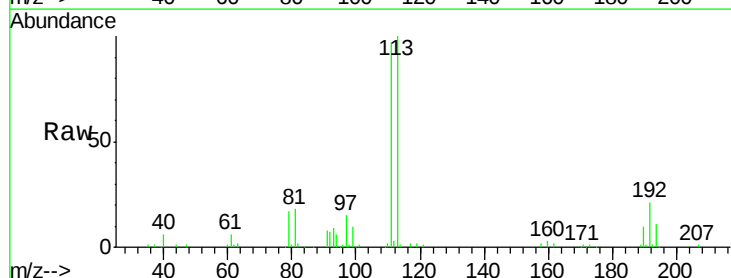
Manual Integrations
APPROVED

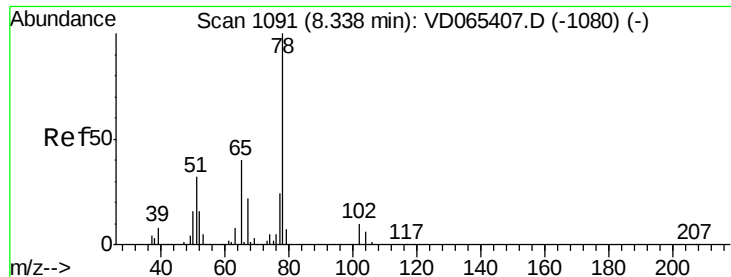
MMDadoda
3/5/2020 1:39:16 PM



#32
1,1,1-Trichloroethane
Concen: 4.449 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	44.2	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 65.876 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion: 65 Resp: 210955

Ion Ratio Lower Upper

65 100

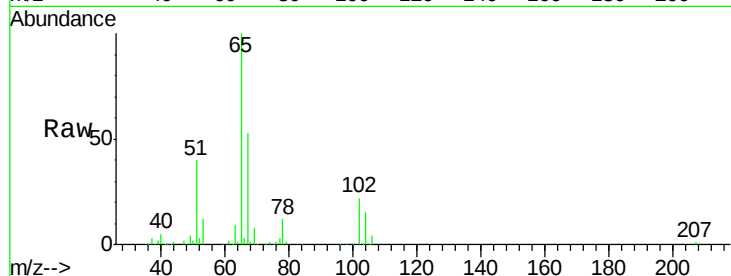
67 53.6 0.0 108.0

Manual Integrations

APPROVED

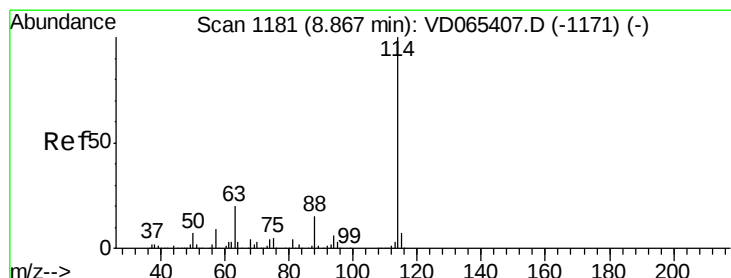
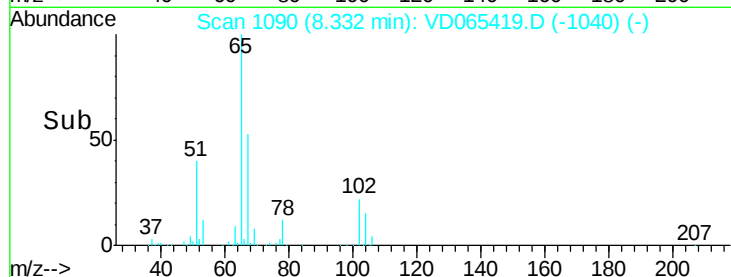
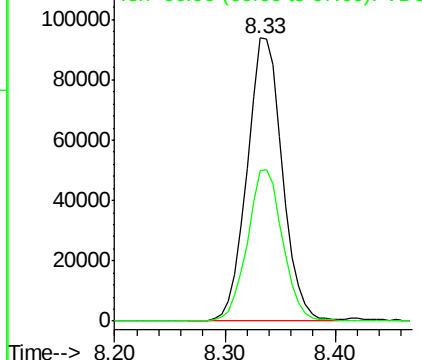
MMDadoda

3/5/2020 1:39:16 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

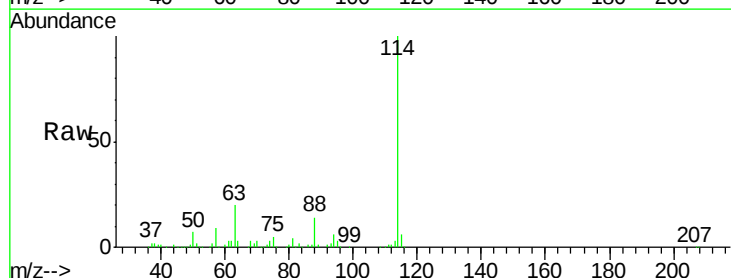
Tgt Ion: 114 Resp: 591408

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

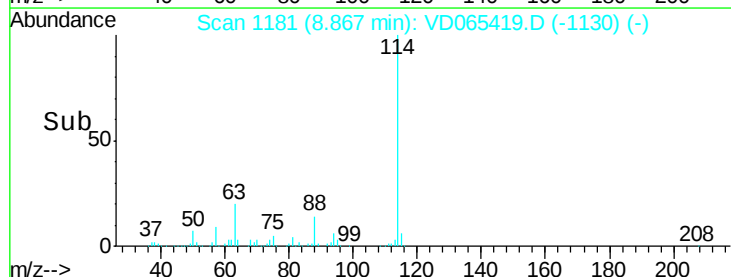
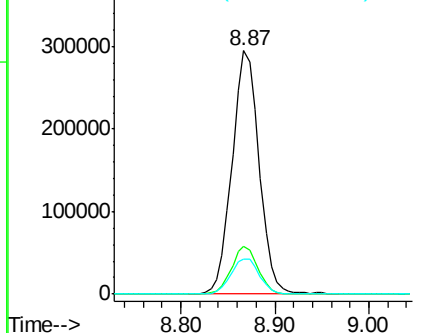
88 14.4 0.0 30.4

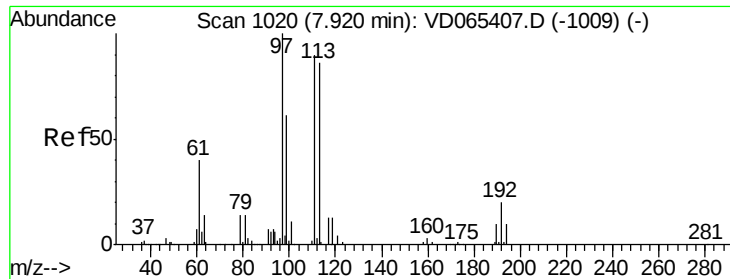


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





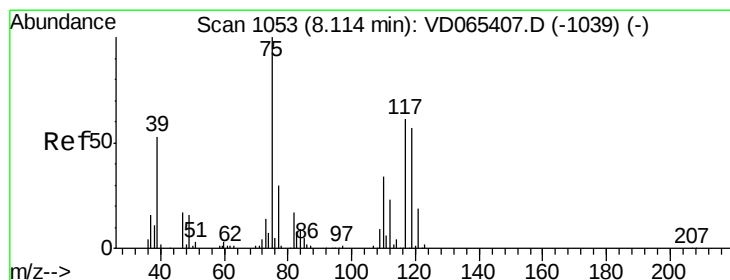
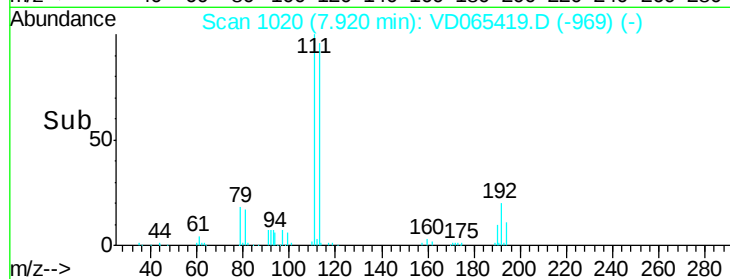
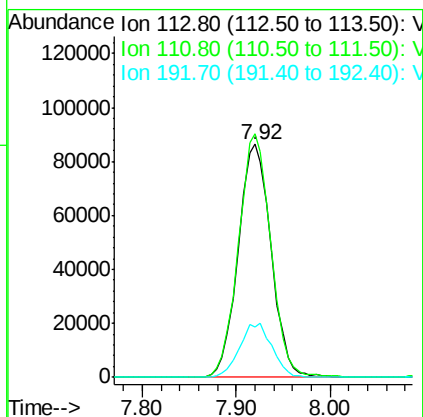
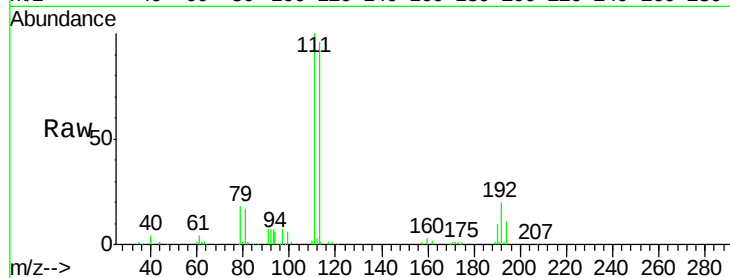
#35
 Dibromofluoromethane
 Concen: 57.198 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209191		
111	103.1	82.1	123.1	
192	22.8	17.2	25.8	

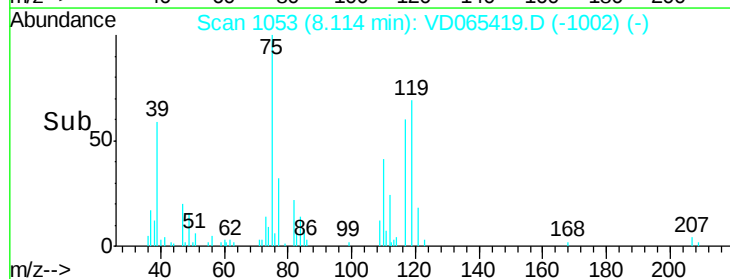
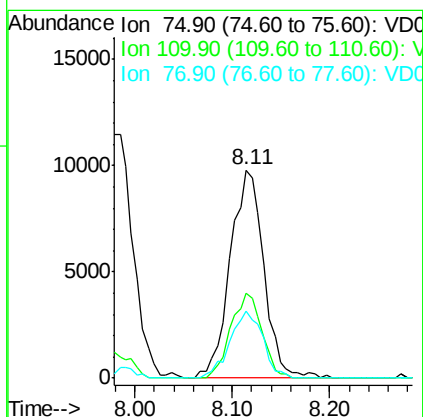
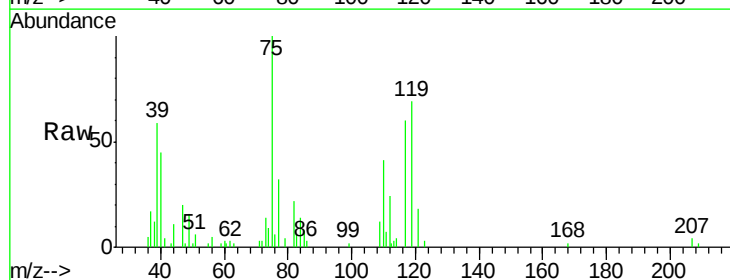
Manual Integrations
 APPROVED

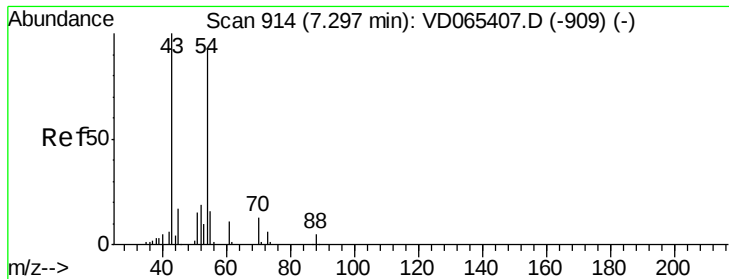
MMDadoda
 3/5/2020 1:39:16 PM



#36
 1,1-Dichloropropene
 Concen: 4.120 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23358		
110	37.9	18.1	54.1	
77	31.5	25.2	37.8	





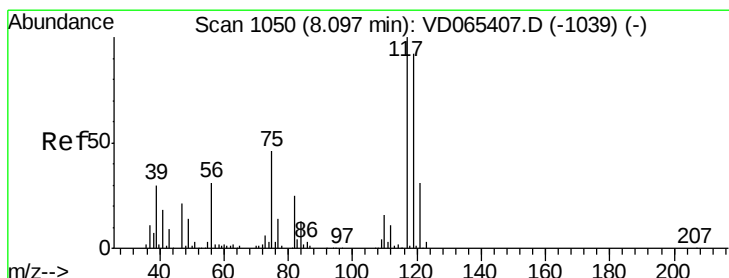
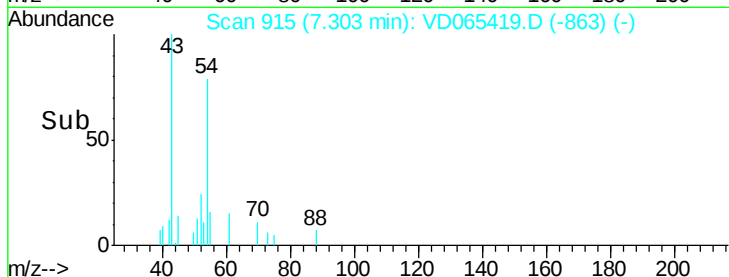
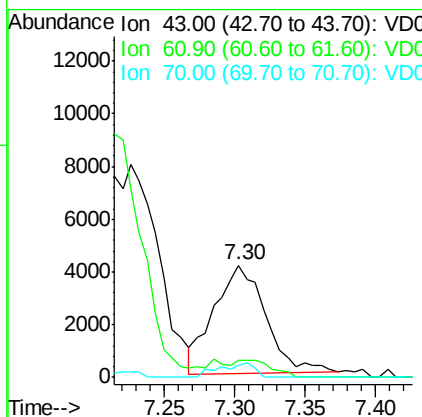
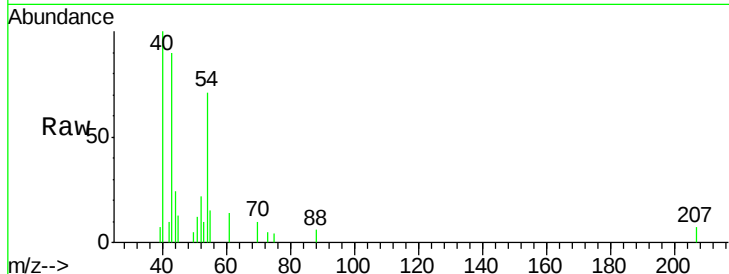
#37
Ethyl Acetate
Concen: 4.848 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleID :
VD0306

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

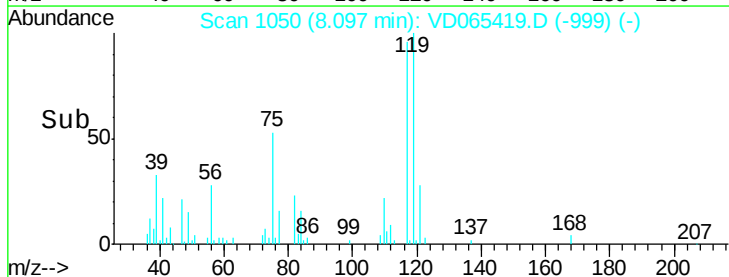
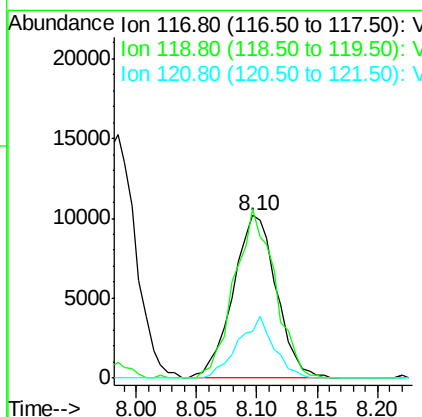
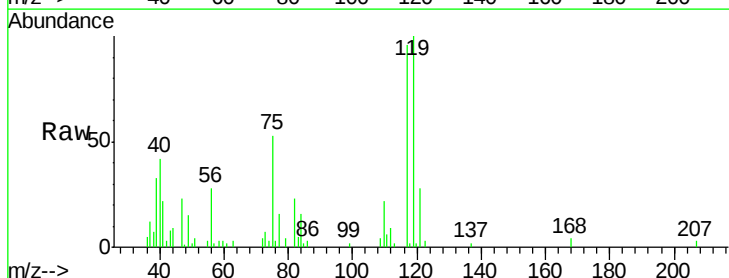
Manual Integrations
APPROVED

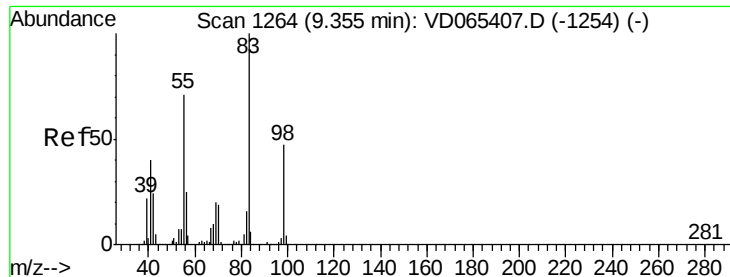
MMDadoda
3/5/2020 1:39:16 PM



#38
Carbon Tetrachloride
Concen: 4.339 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.0	73.3	109.9
121	28.6	25.0	37.4





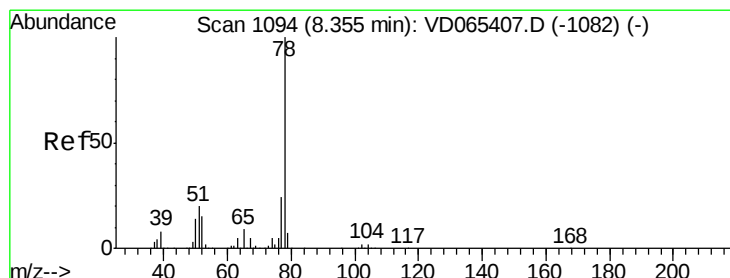
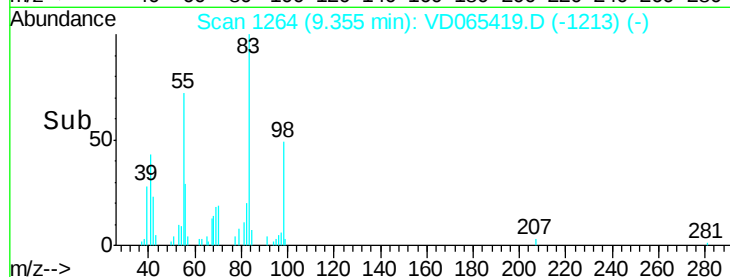
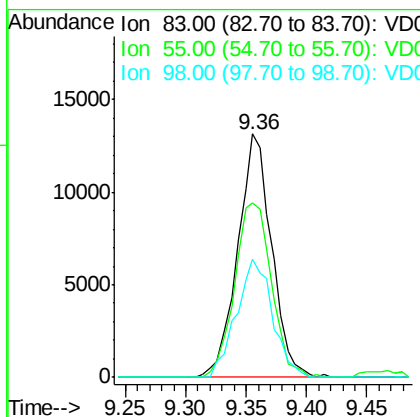
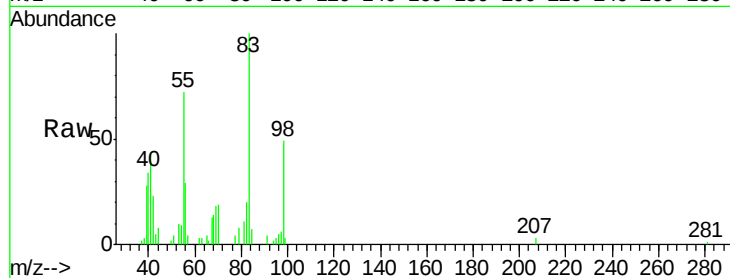
#39
Methvlcvclohexane
Concen: 3.762 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.1	85.7
98	48.8	37.8	56.8

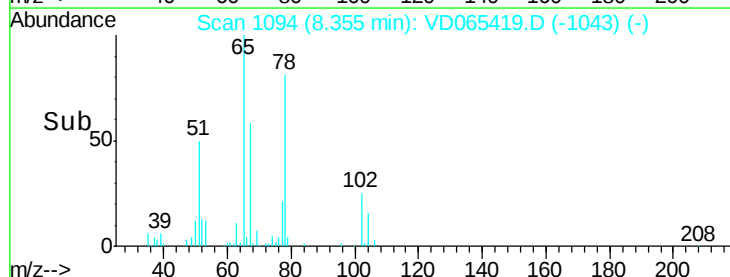
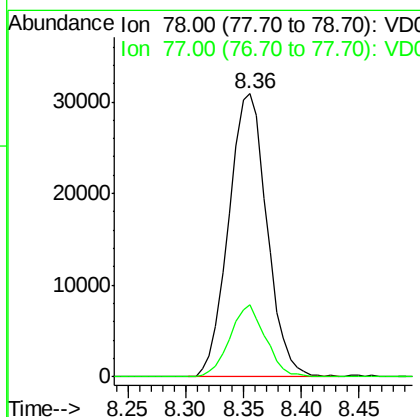
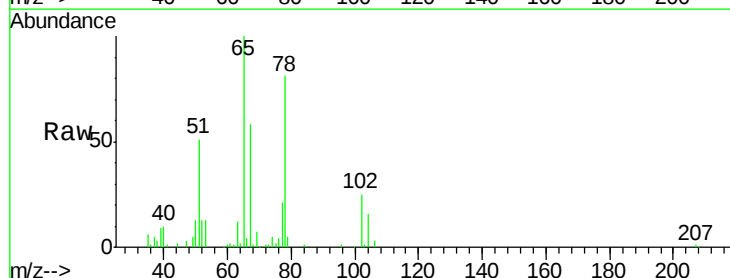
Manual Integrations
APPROVED

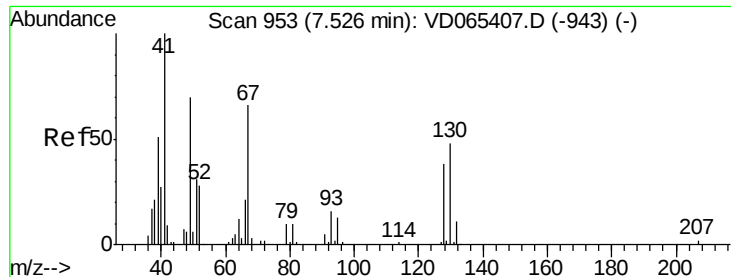
MMDadoda
3/5/2020 1:39:16 PM



#40
Benzene
Concen: 4.477 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.4	29.0





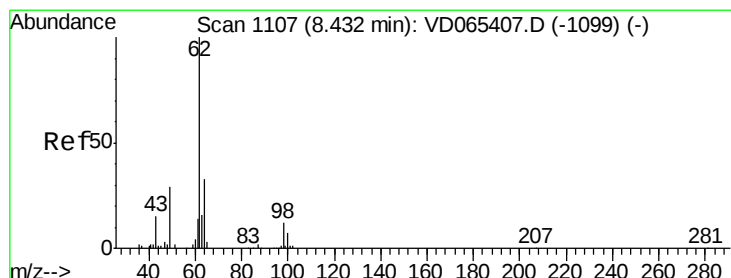
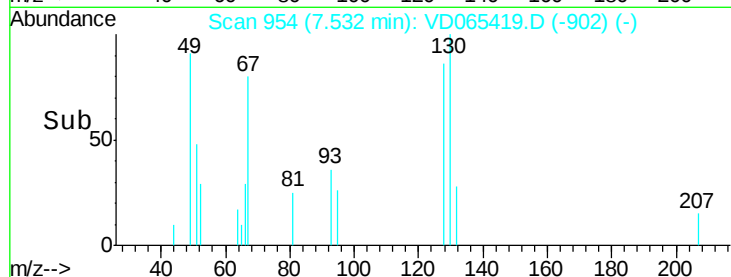
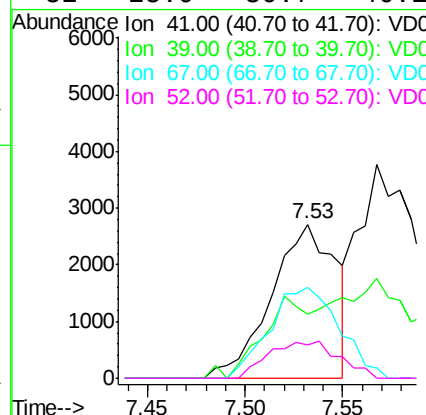
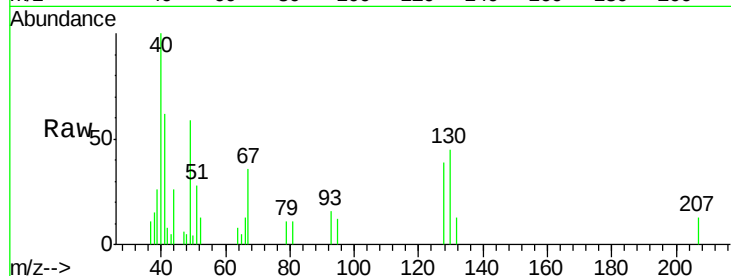
#41
Methacrylonitrile
Concen: 5.356 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
41	100		
39	36.8	55.0	82.6#
67	64.0	70.3	105.5#
52	25.9	30.7	46.1#

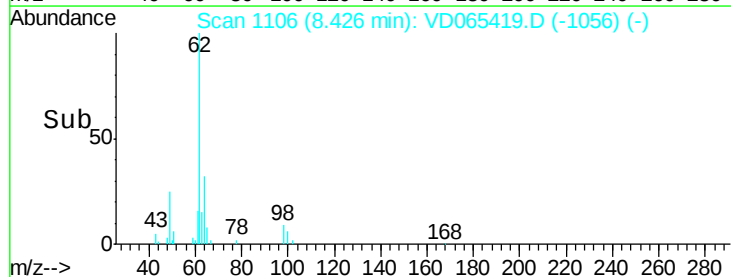
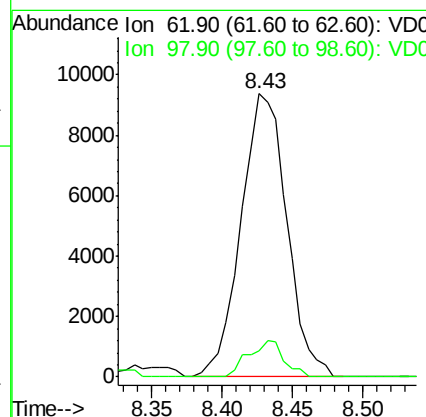
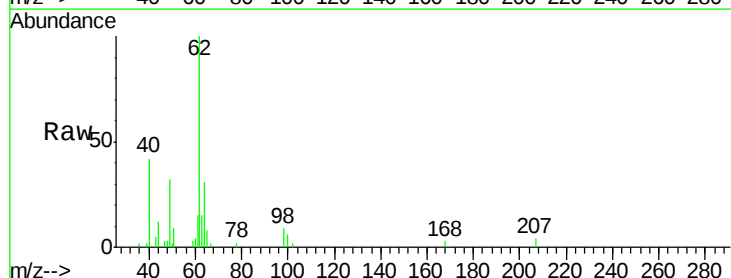
Manual Integrations
APPROVED

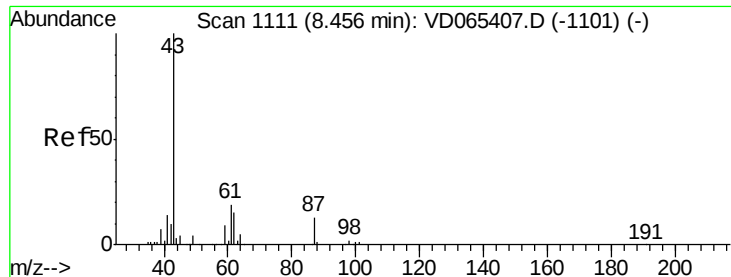
MMDadoda
3/5/2020 1:39:16 PM



#42
1,2-Dichloroethane
Concen: 5.153 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.4





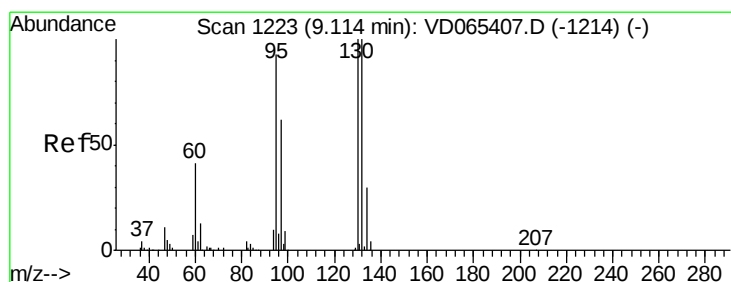
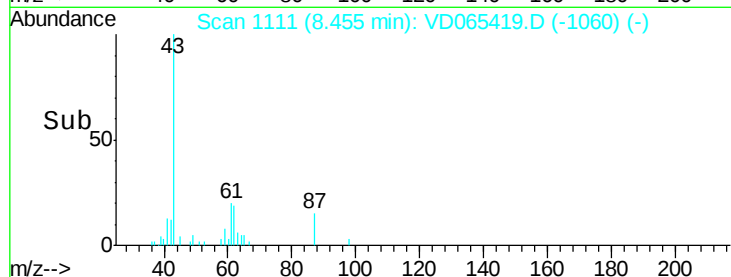
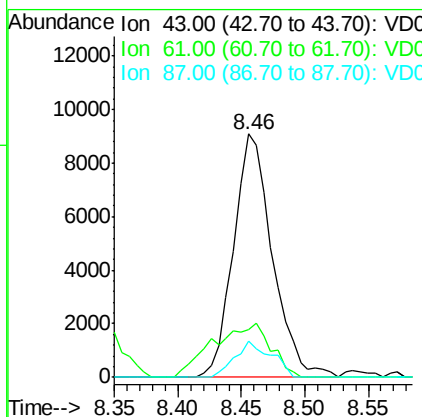
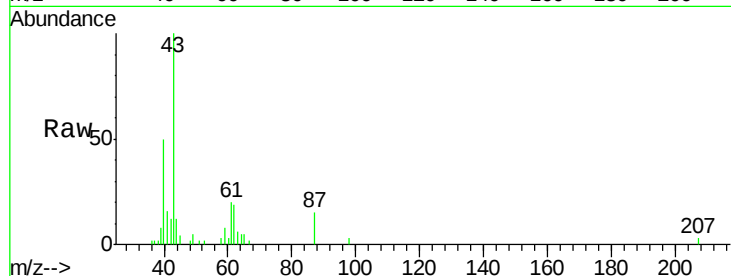
#43
Isopropyl Acetate
Concen: 4.779 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.0	37.6
87	13.8	11.0	16.4

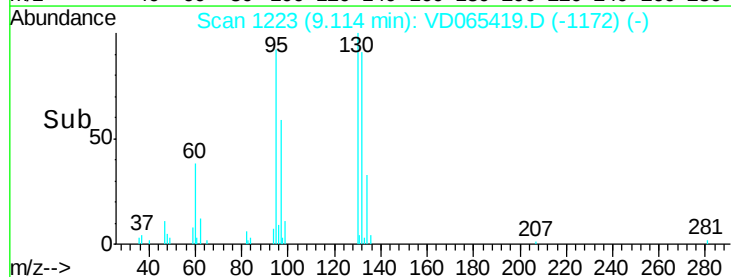
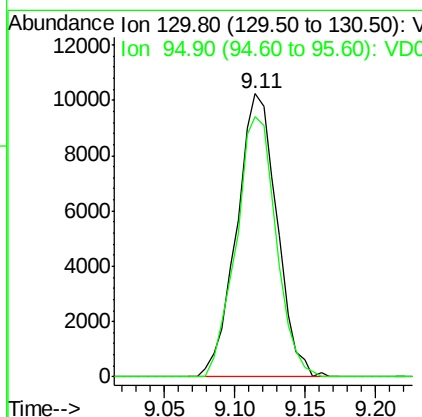
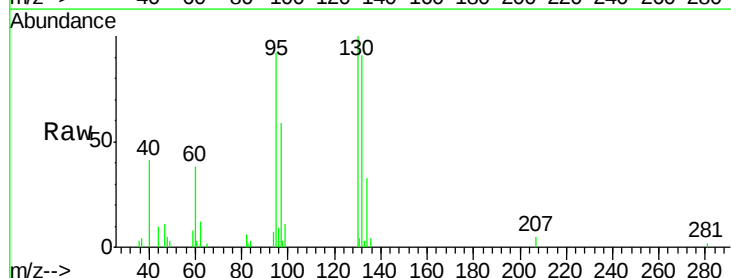
Manual Integrations
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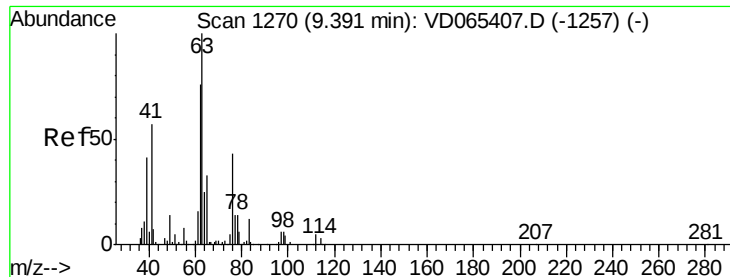
MMDadoda
3/5/2020 1:39:16 PM



#44
Trichloroethene
Concen: 4.561 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	186.0





#45

1,2-Dichloropropane

Concen: 4.609 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 63 Resp: 17696

Ion Ratio Lower Upper

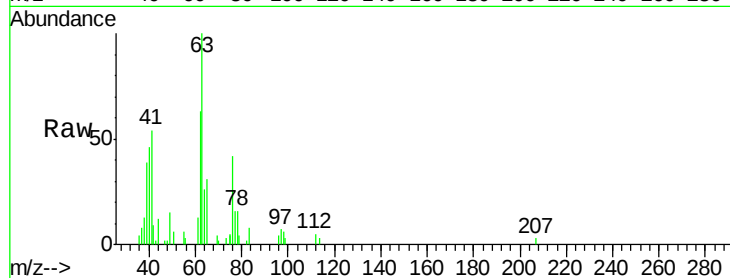
63 100

65 31.3 26.4 39.6

Manual Integrations
APPROVED

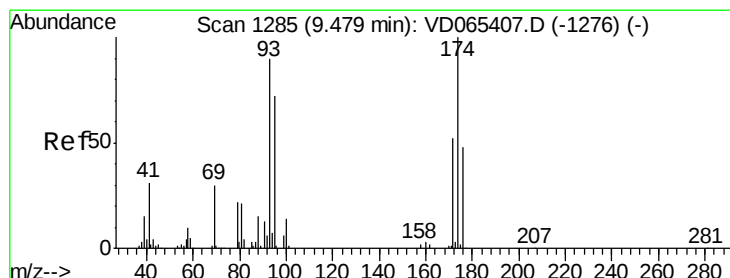
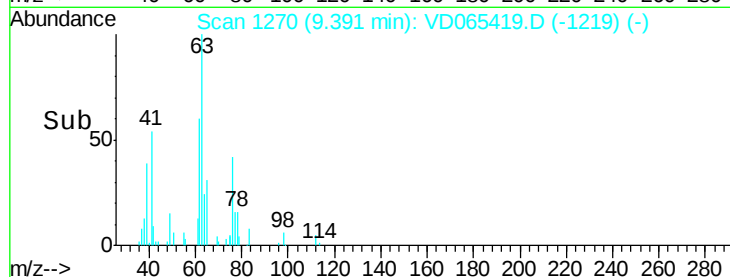
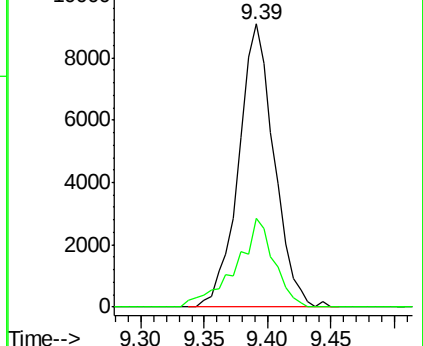
MMDadoda

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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: 5.106 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

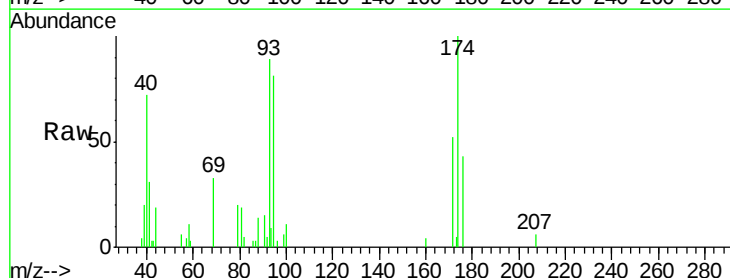
Tgt Ion: 93 Resp: 10168

Ion Ratio Lower Upper

93 100

95 78.9 65.0 97.6

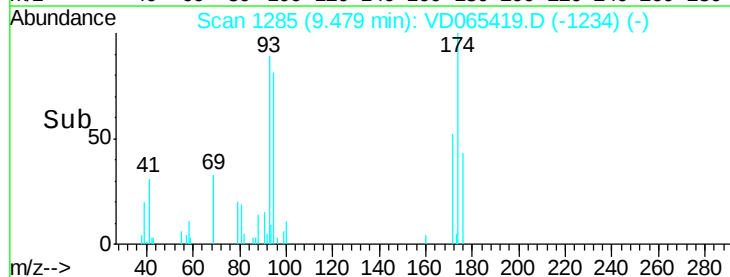
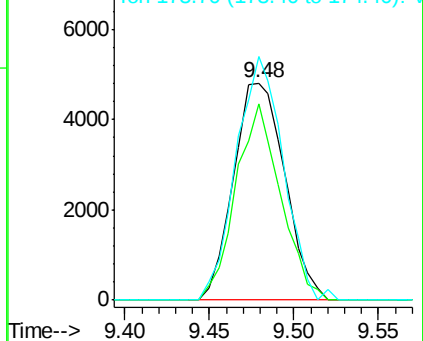
174 103.6 88.3 132.5

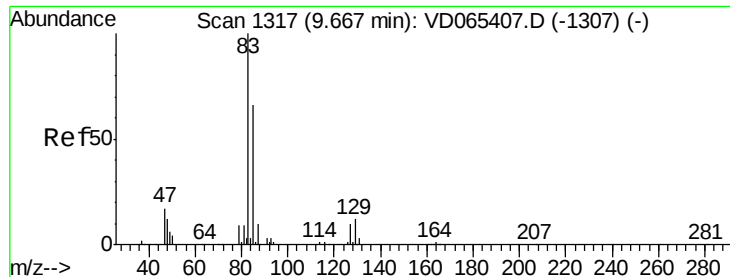


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.935 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

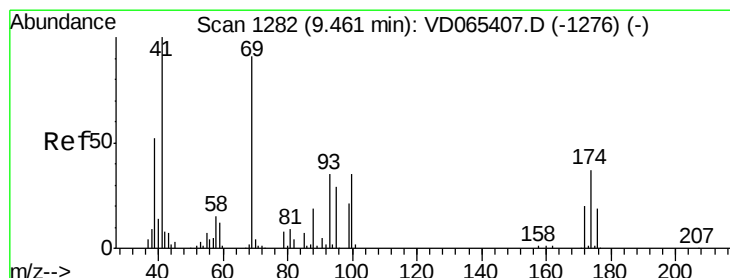
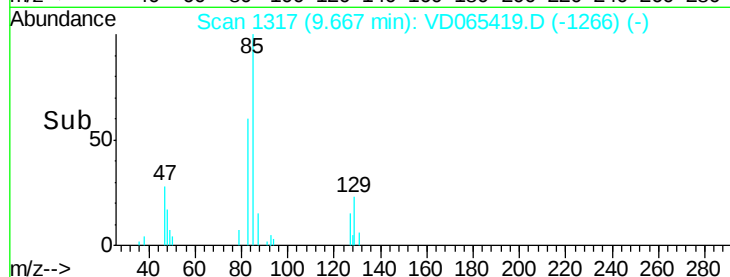
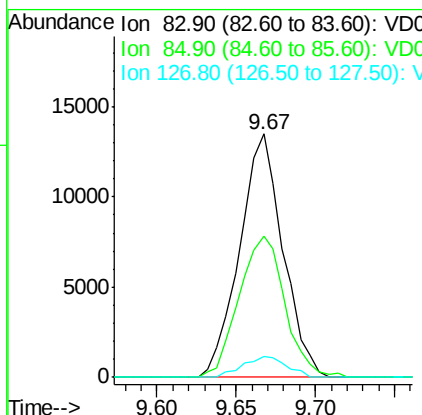
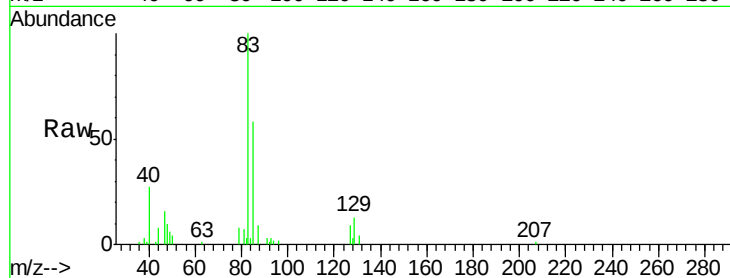
ClientSampleId :

VD0306

Tot Ion:	83	Resp:	25570
Ion	Ratio	Lower	Upper
83	100		
85	58.0	52.8	79.2
127	8.8	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.725 ug/l

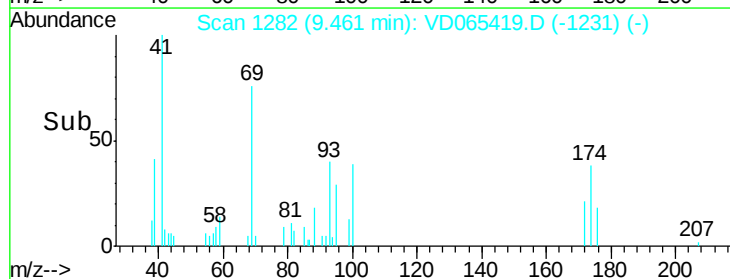
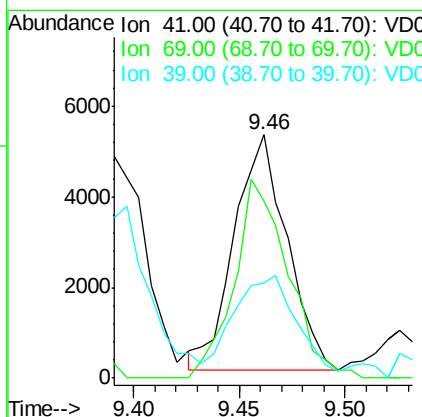
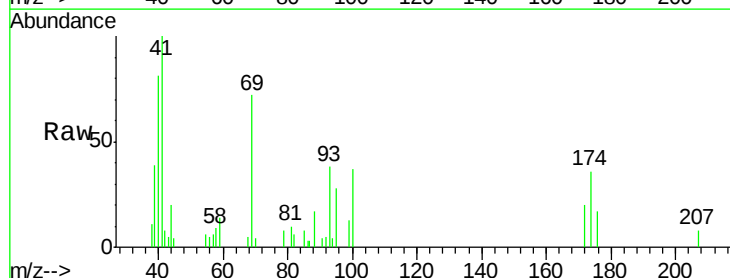
RT: 9.46 min Scan# 1282

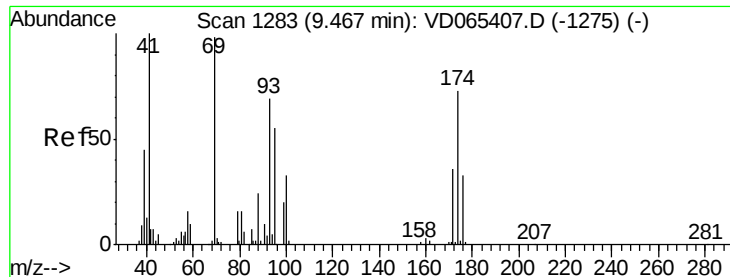
Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion:	41	Resp:	8992
Ion	Ratio	Lower	Upper
41	100		
69	86.1	72.5	108.7
39	46.2	41.6	62.4





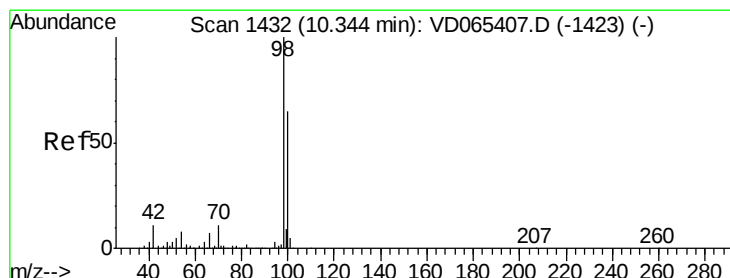
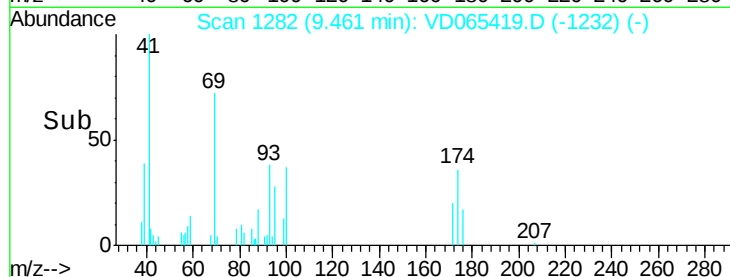
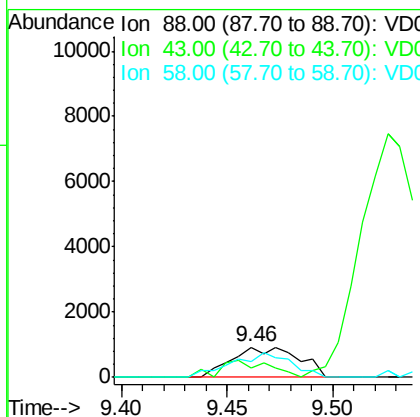
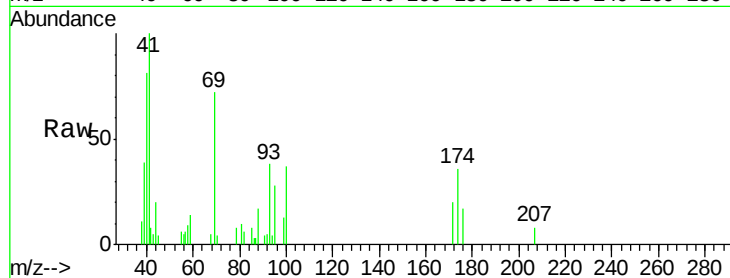
#49
1,4-Dioxane
Concen: 89.111 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.2	24.5	36.7#
58	73.3	54.5	81.7

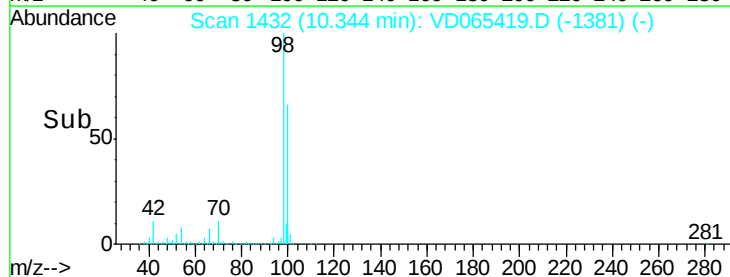
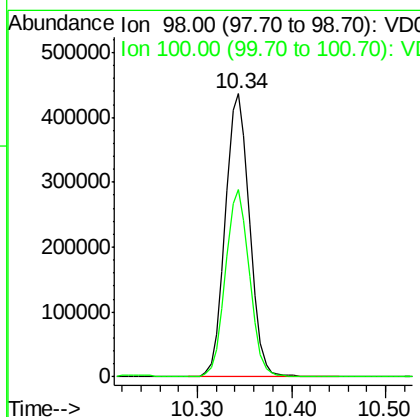
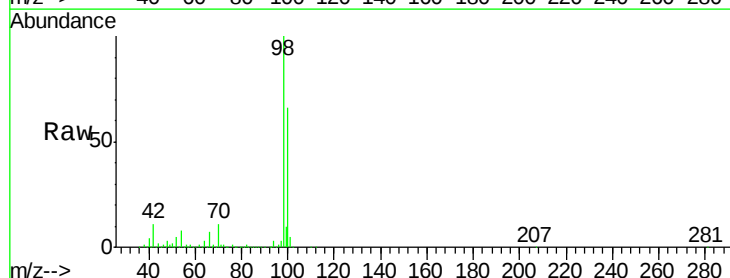
Manual Integrations
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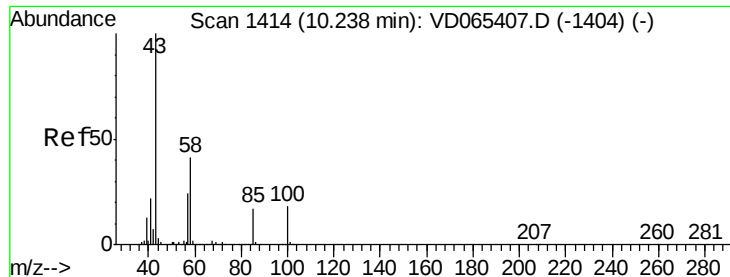
MMDadoda
3/5/2020 1:39:16 PM



#50
Toluene-d8
Concen: 55.927 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





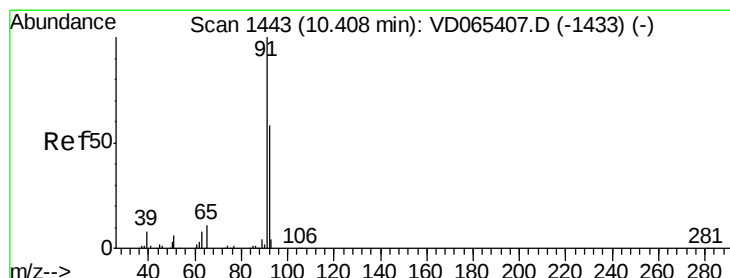
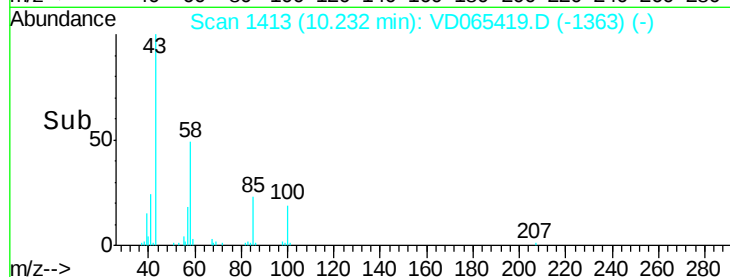
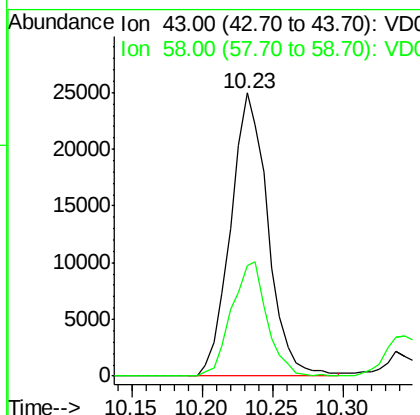
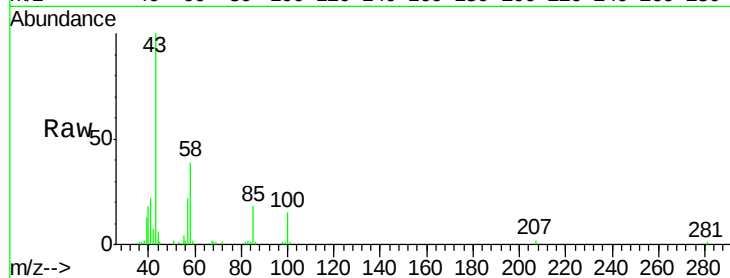
#51
4-Methyl-2-Pentanone
Concen: 22.595 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.8	47.6

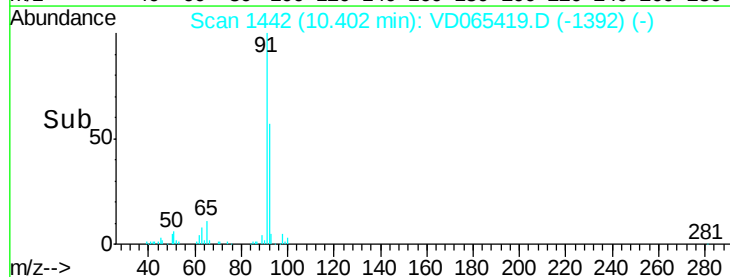
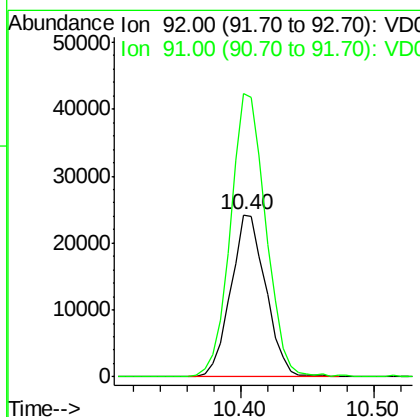
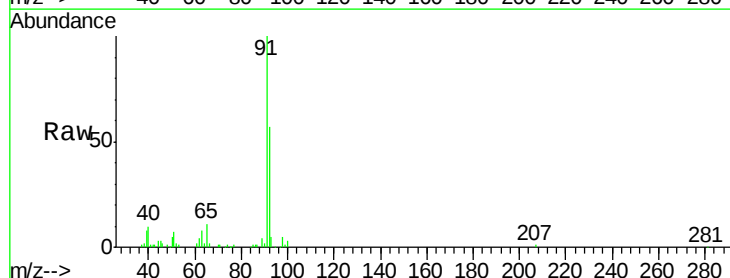
Manual Integrations
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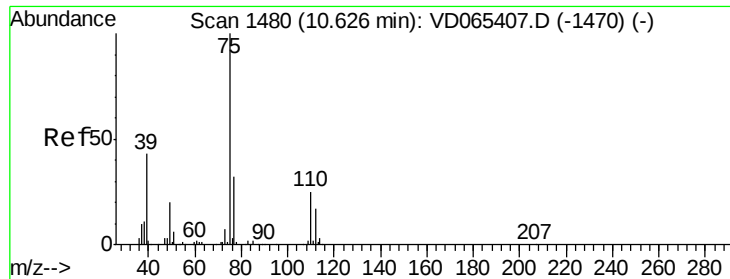
MMDadoda
3/5/2020 1:39:16 PM



#52
Toluene
Concen: 4.407 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	137.8	206.8





#53

t-1,3-Dichloropropene

Concen: 4.438 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion: 75 Resp: 21486

Ion Ratio Lower Upper

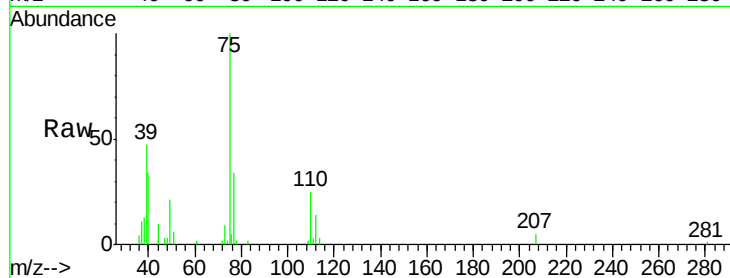
75 100

77 34.0 25.4 38.2

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3/5/2020 1:39:16 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

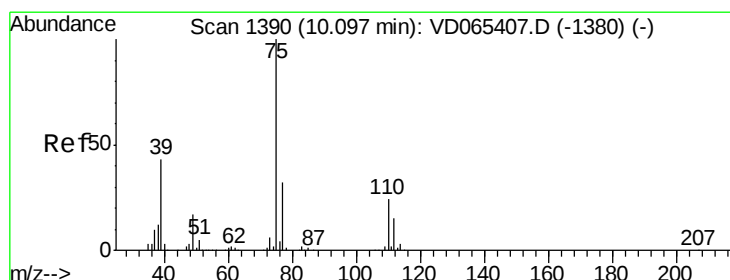
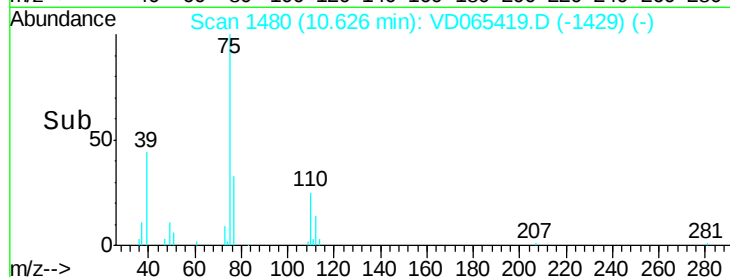
10.63

10000

5000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.250 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

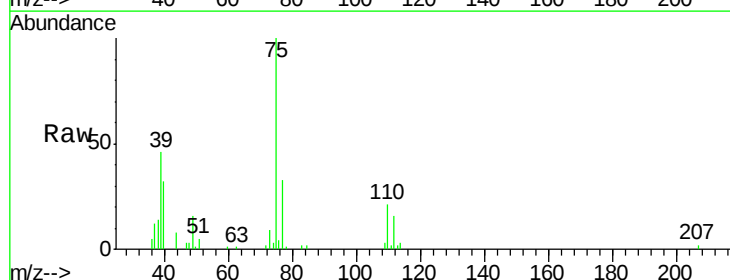
Tgt Ion: 75 Resp: 24909

Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

39 45.6 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

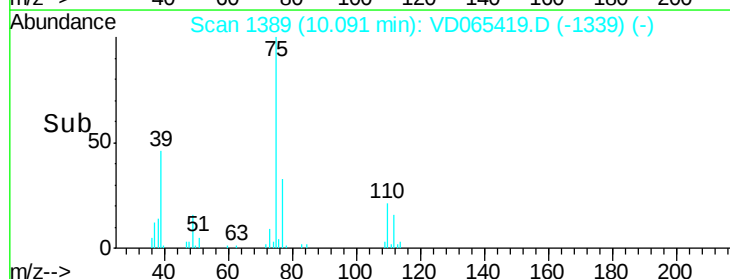
15000

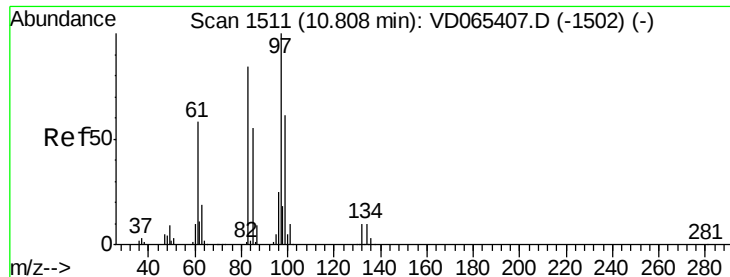
10000

5000

0

Time-->





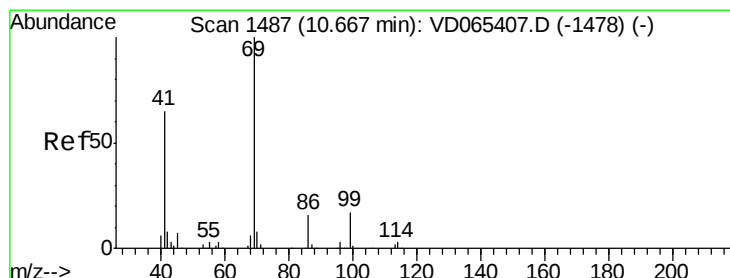
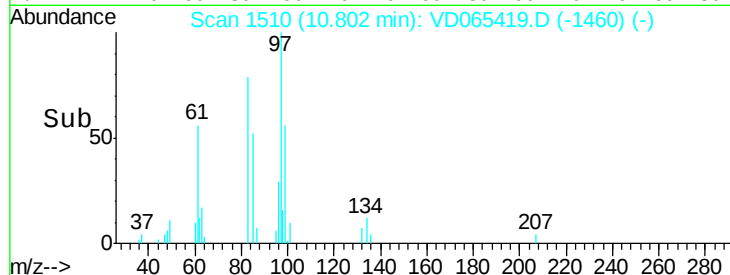
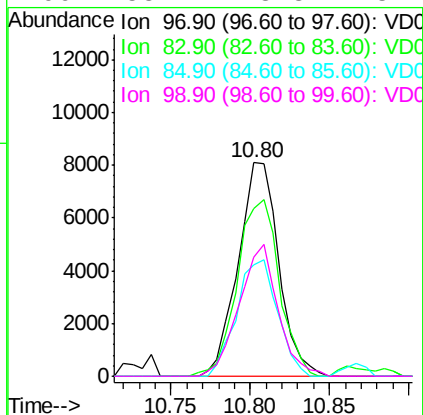
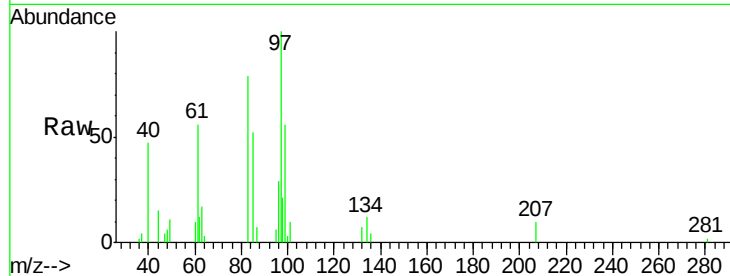
#55
 1,1,2-Trichloroethane
 Concen: 5.124 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		14454		
83	78.7	67.4	101.0		
85	52.2	43.8	65.8		
99	55.7	48.8	73.2		

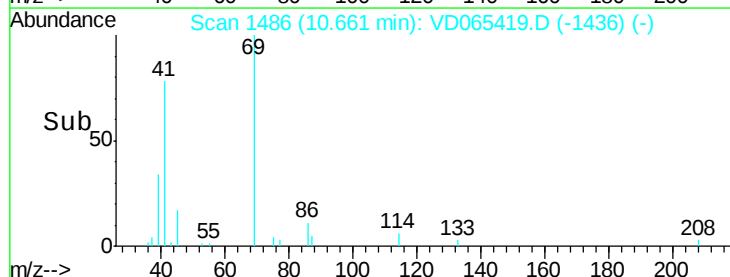
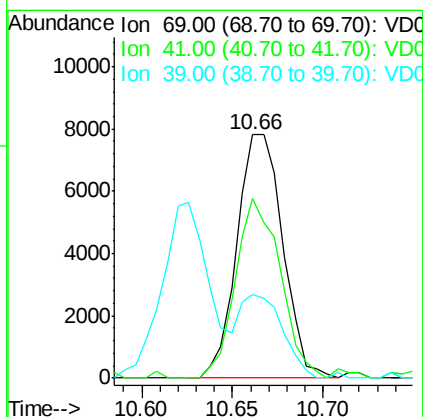
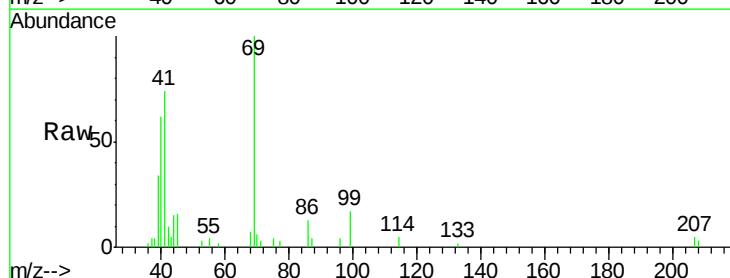
Manual Integrations
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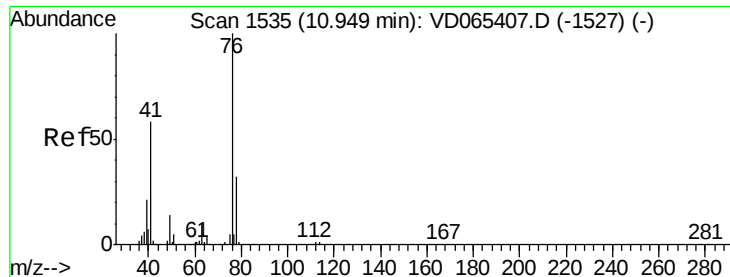
MMDadoda
 3/5/2020 1:39:16 PM



#56
 Ethyl methacrylate
 Concen: 4.329 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		13765		
41	72.0	53.0	79.6		
39	31.6	26.0	39.0		





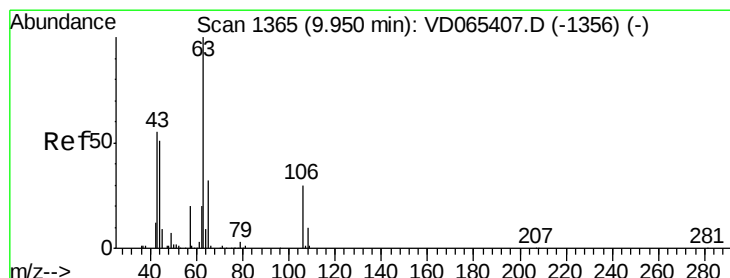
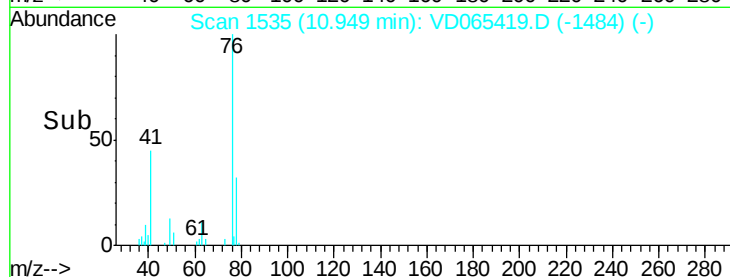
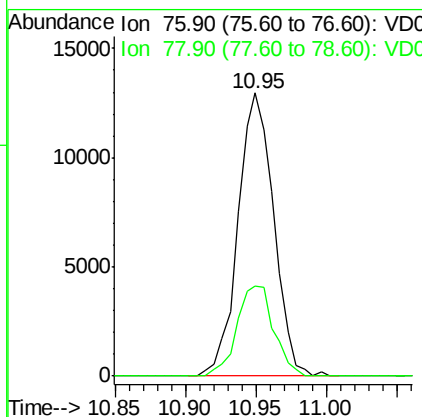
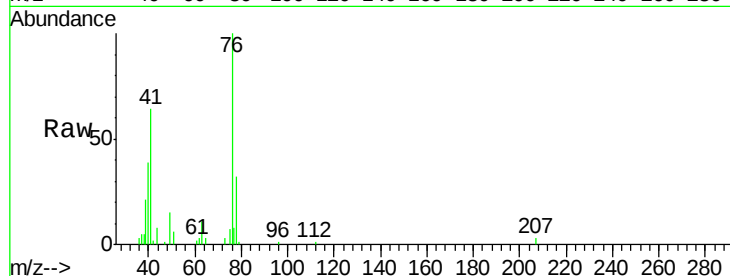
#57
 1,3-Dichloropropane
 Concen: 4.801 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

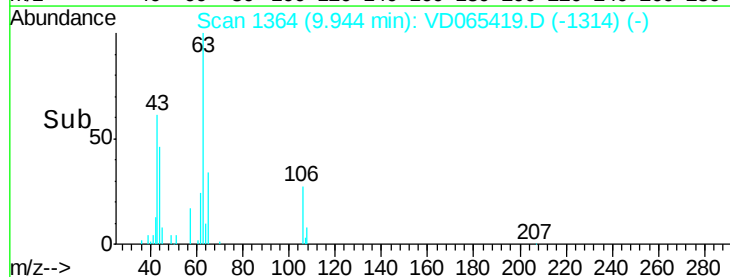
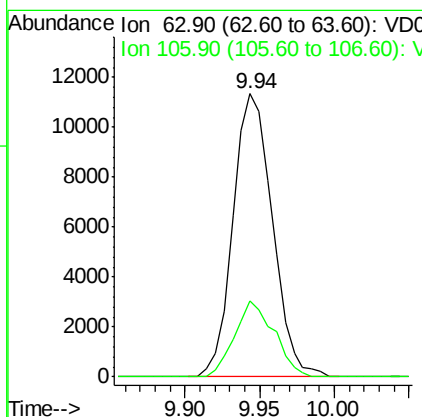
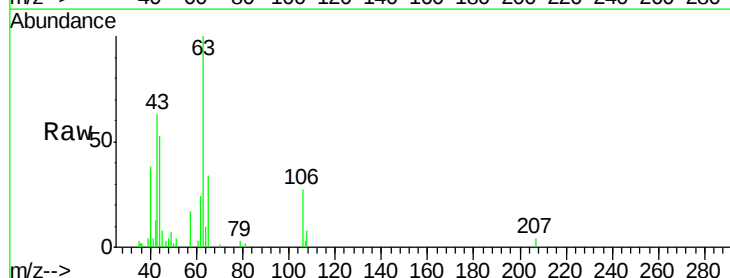
Manual Integrations
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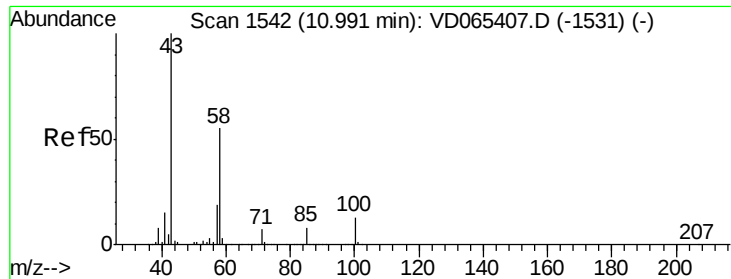
MMDadoda
 3/5/2020 1:39:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.324 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	23.3	34.9





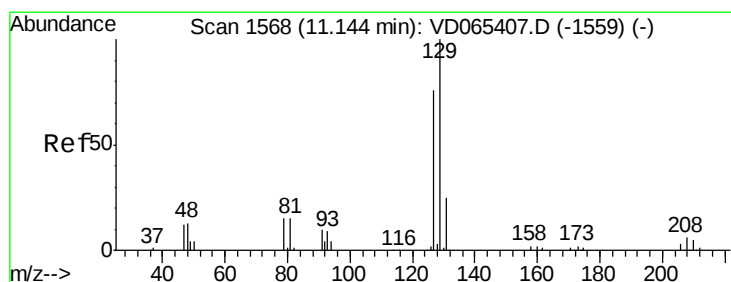
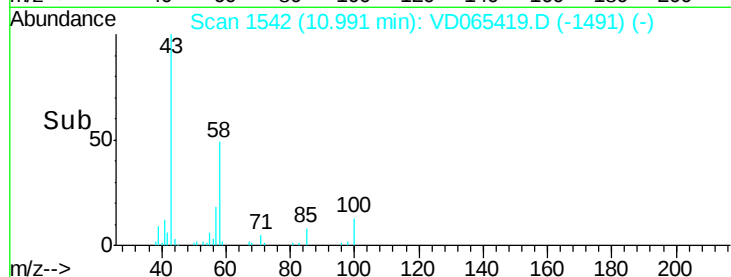
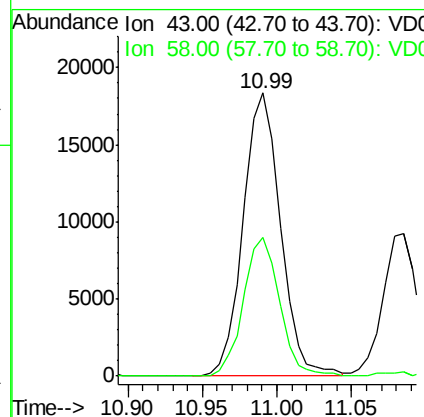
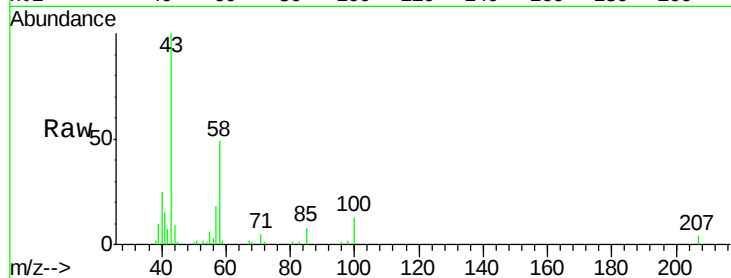
#59
2-Hexanone
Concen: 22.585 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion: 43 Resp: 31830
Ion Ratio Lower Upper
43 100
58 47.5 27.4 82.2

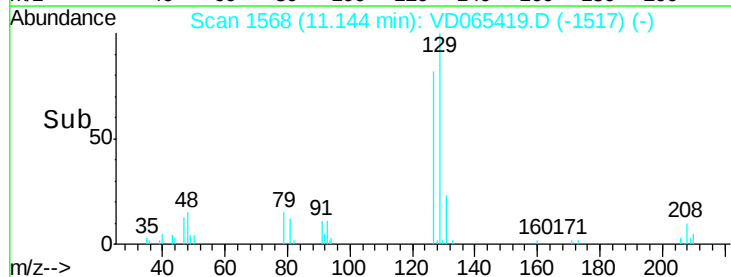
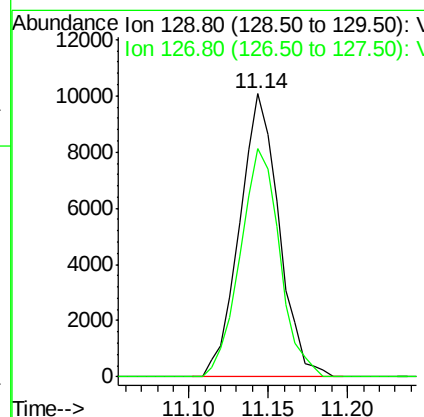
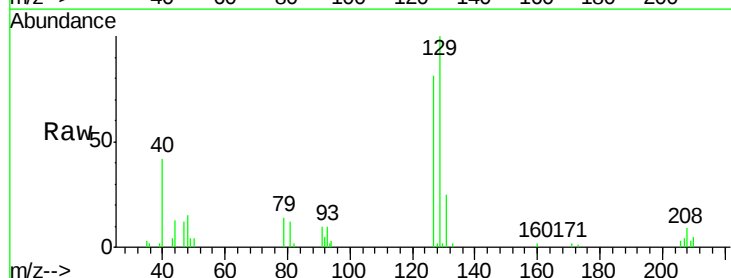
Manual Integrations
APPROVED

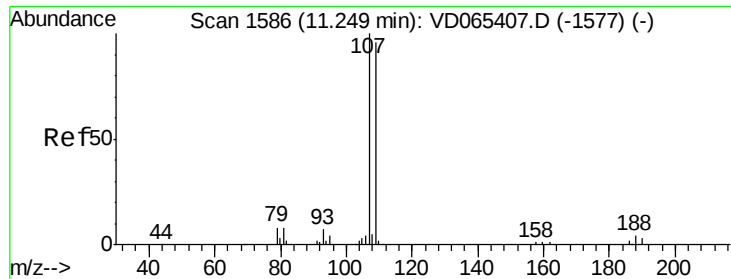
MMDadoda
3/5/2020 1:39:16 PM



#60
Dibromochloromethane
Concen: 4.794 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 129 Resp: 17332
Ion Ratio Lower Upper
129 100
127 81.1 38.5 115.5





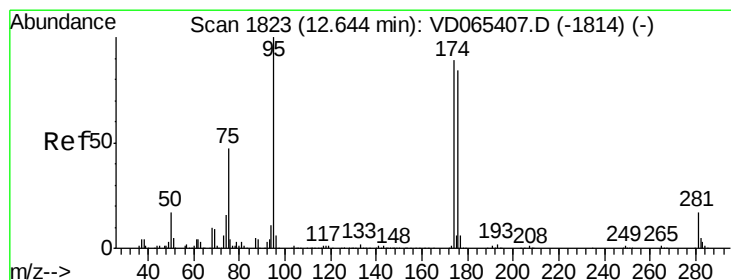
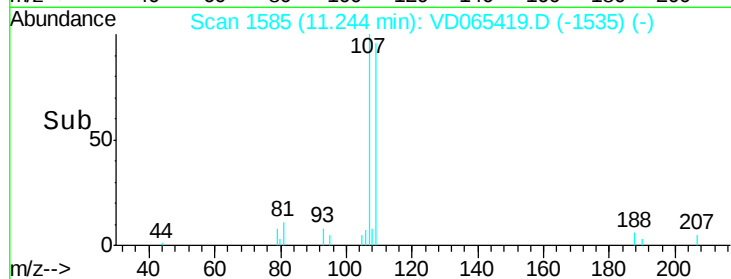
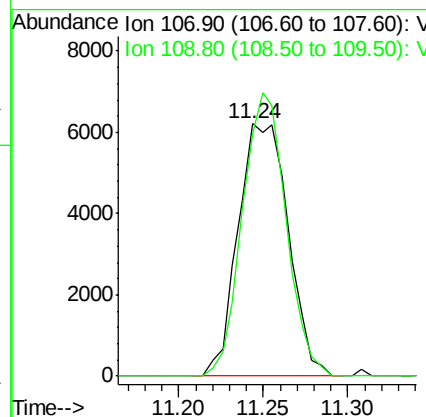
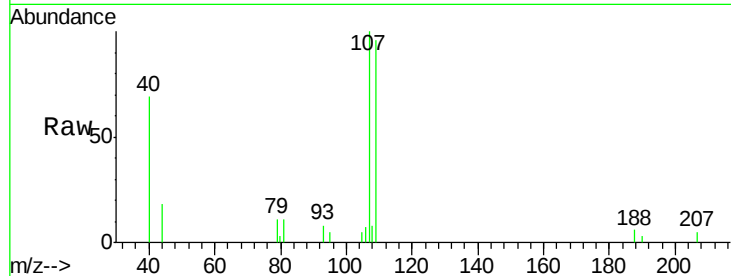
#61
 1,2-Dibromoethane
 Concen: 4.772 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	76.8	115.2

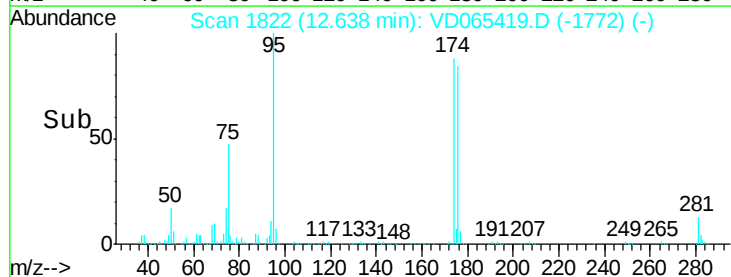
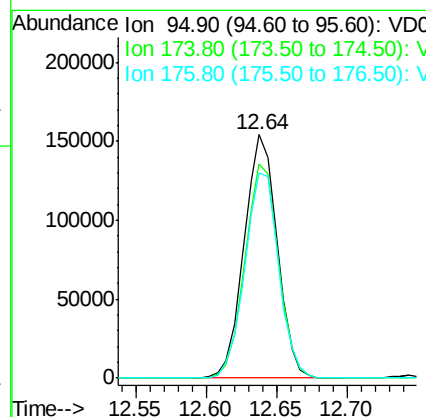
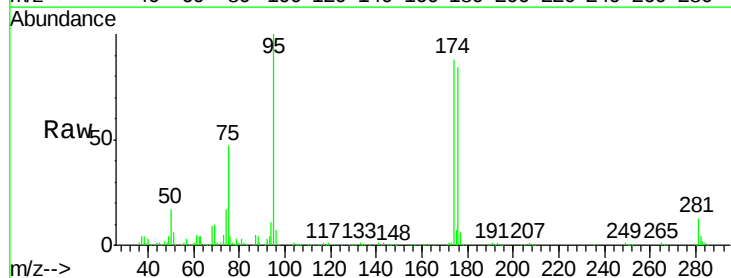
Manual Integrations
 APPROVED

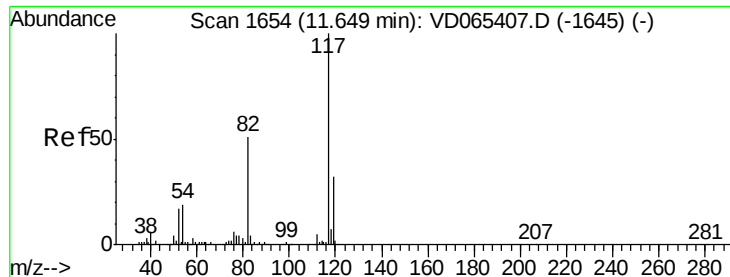
MMDadoda
 3/5/2020 1:39:16 PM



#62
 4-Bromofluorobenzene
 Concen: 58.452 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	176.8
176	86.7	0.0	171.4





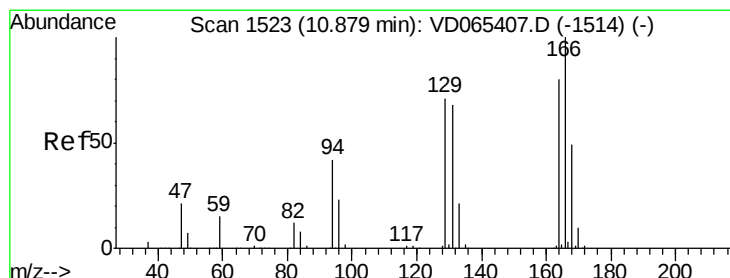
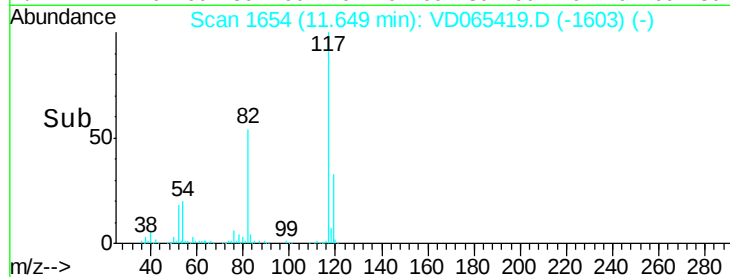
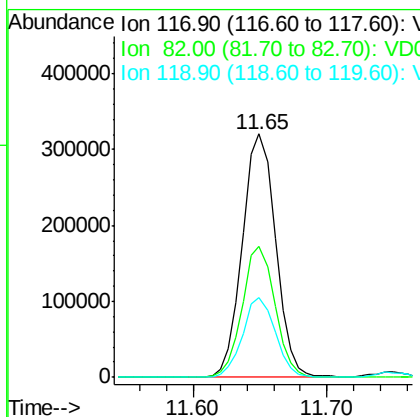
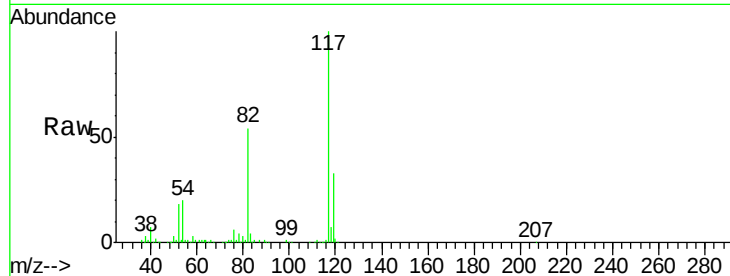
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Resp	Lower	Upper
117	100	553850		
82	53.8		40.6	60.8
119	32.8		25.4	38.2

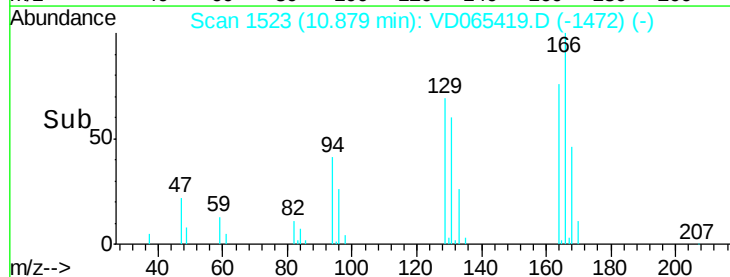
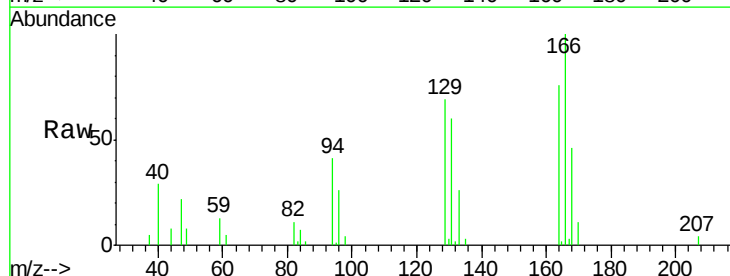
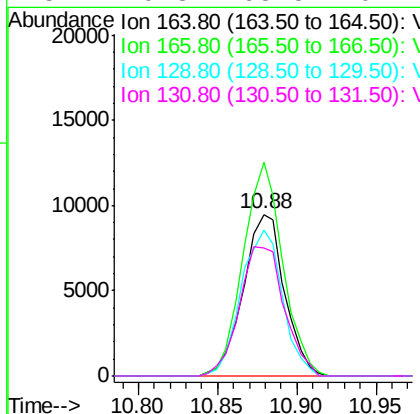
Manual Integrations
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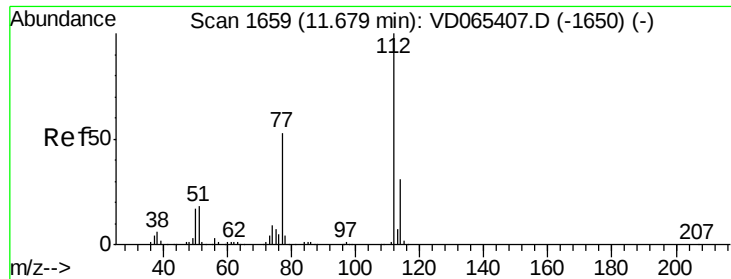
MMDadoda
3/5/2020 1:39:16 PM



#64
Tetrachloroethene
Concen: 4.328 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17175		
166	132.4		100.5	150.7
129	90.9		71.5	107.3
131	79.3		68.5	102.7





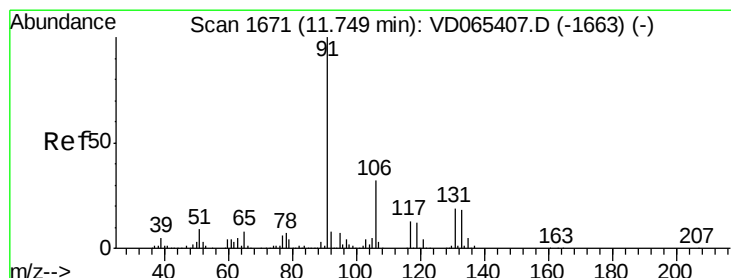
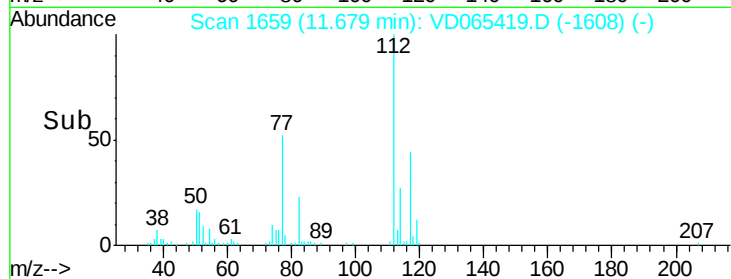
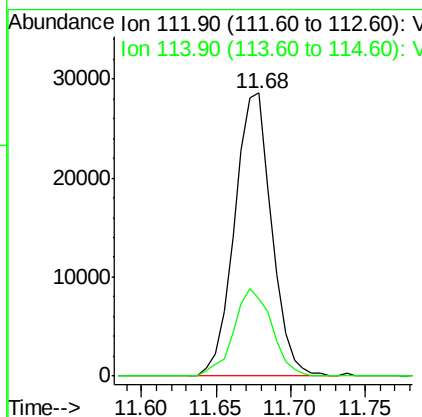
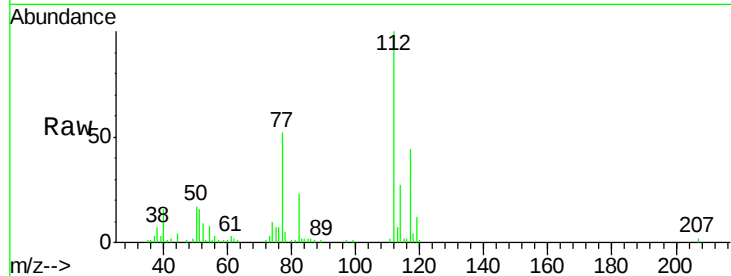
#65
Chlorobenzene
Concen: 4.493 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
112	100		
114	27.2	24.4	36.6

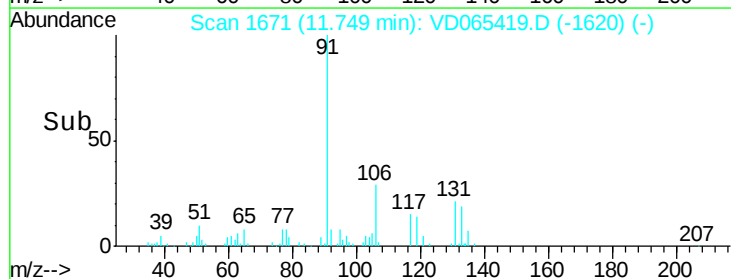
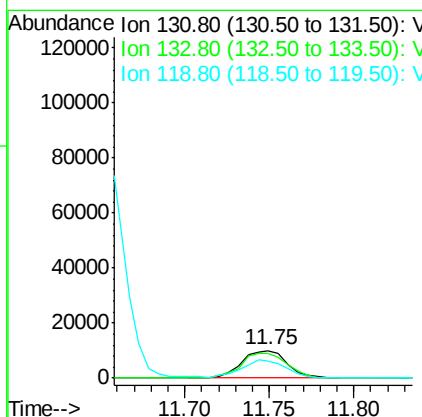
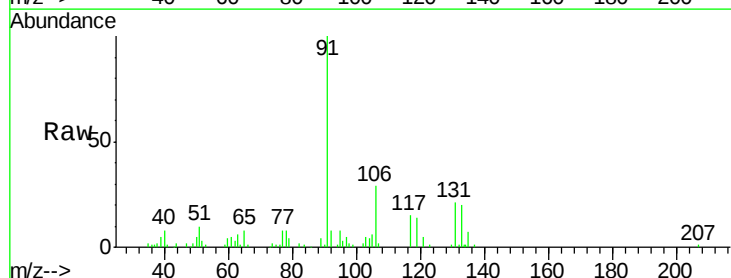
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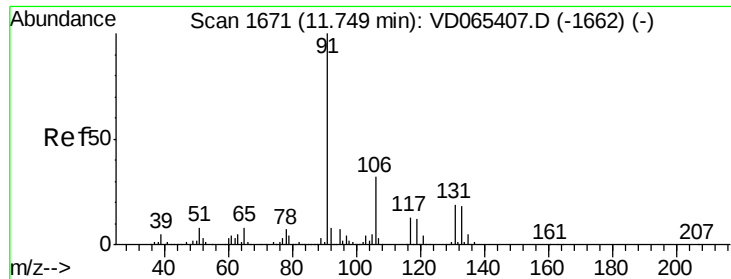
MMDadoda
3/5/2020 1:39:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	49.2	147.6
119	64.8	33.3	99.8





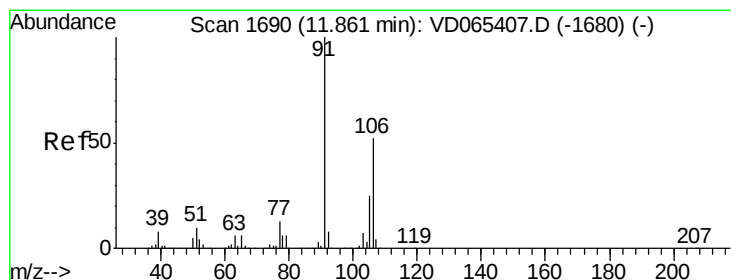
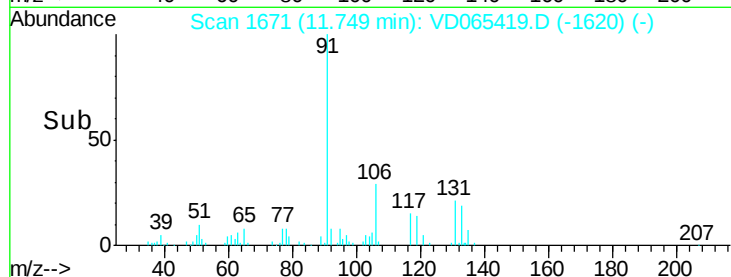
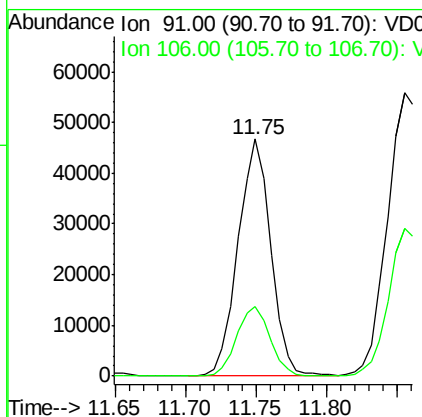
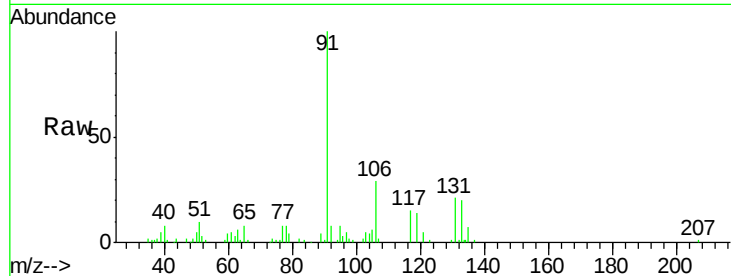
#67
Ethyl Benzene
Concen: 4.001 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion: 91 Resp: 75762
Ion Ratio Lower Upper
91 100
106 29.3 25.2 37.8

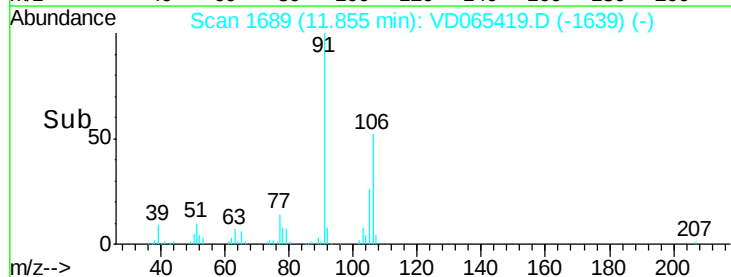
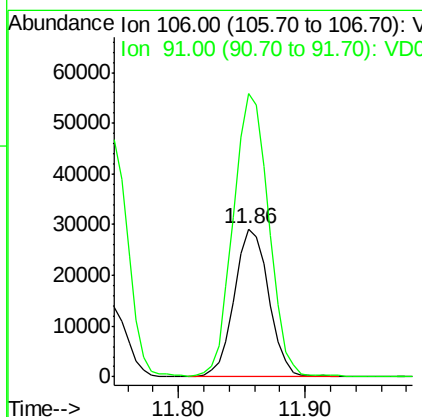
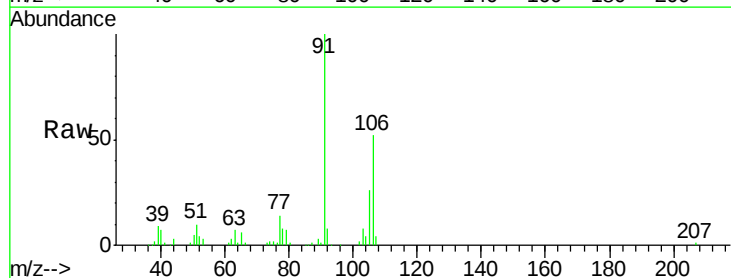
Manual Integrations
APPROVED

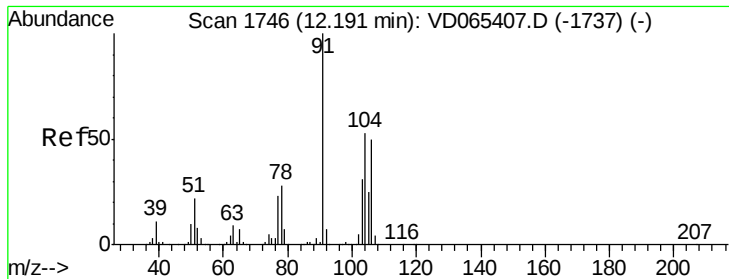
MMDadoda
3/5/2020 1:39:16 PM



#68
m/p-Xylenes
Concen: 7.504 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 106 Resp: 54797
Ion Ratio Lower Upper
106 100
91 198.8 155.9 233.9





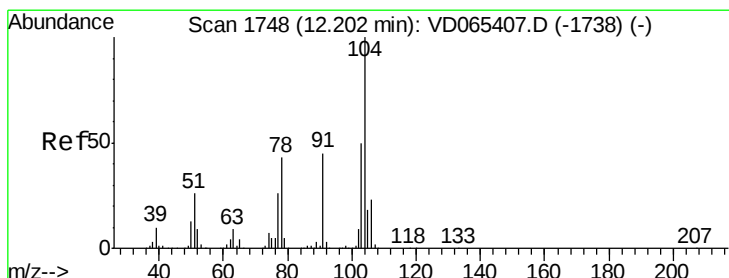
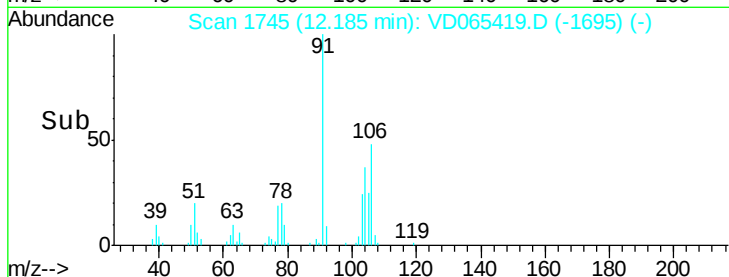
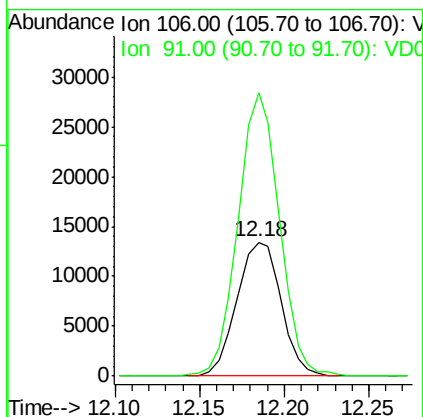
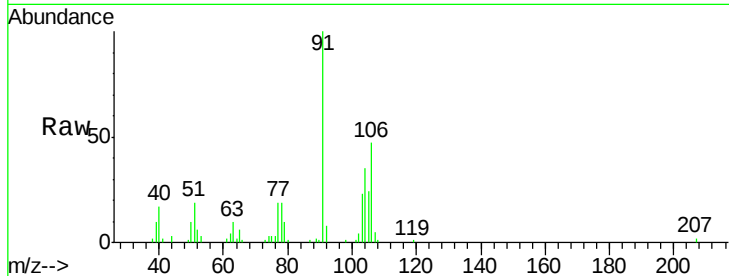
#69
o-Xylene
Concen: 3.790 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion:106 Resp: 24347
Ion Ratio Lower Upper
106 100
91 199.0 103.5 310.3

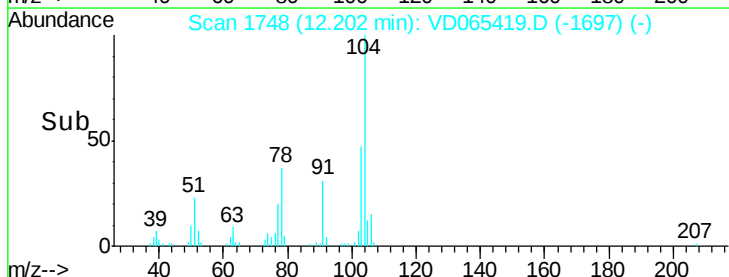
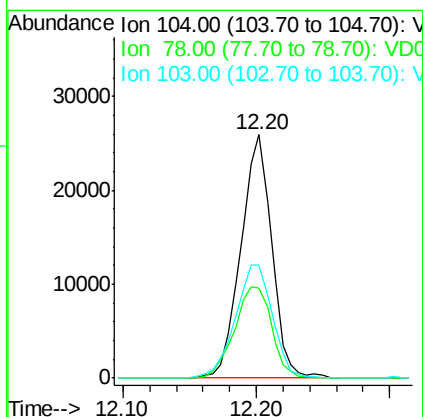
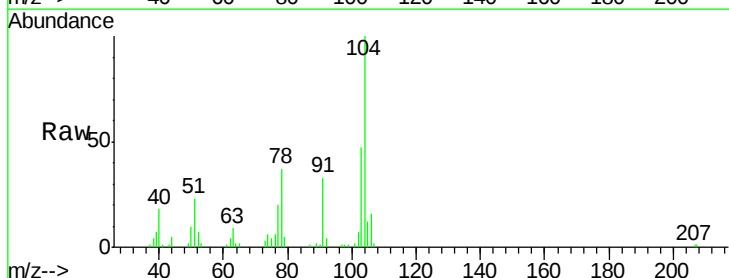
Manual Integrations
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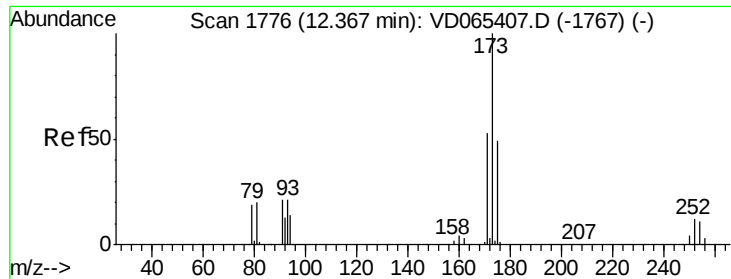
MMDadoda
3/5/2020 1:39:16 PM



#70
Styrene
Concen: 3.660 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:104 Resp: 41373
Ion Ratio Lower Upper
104 100
78 45.3 37.7 56.5
103 56.3 43.6 65.4





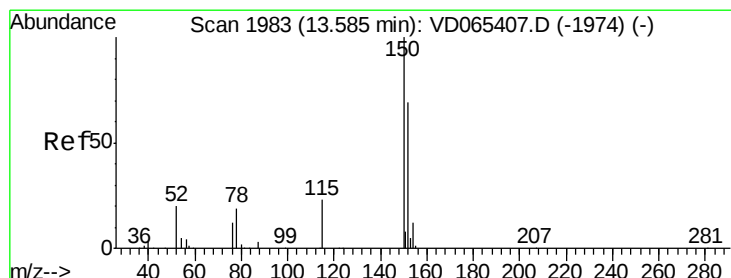
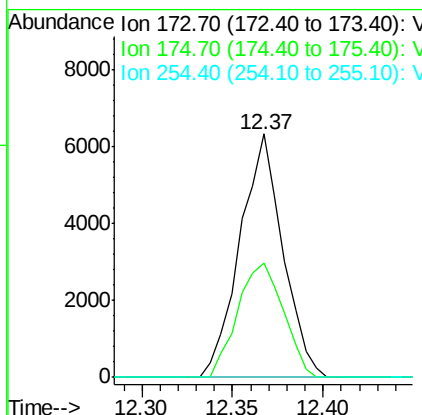
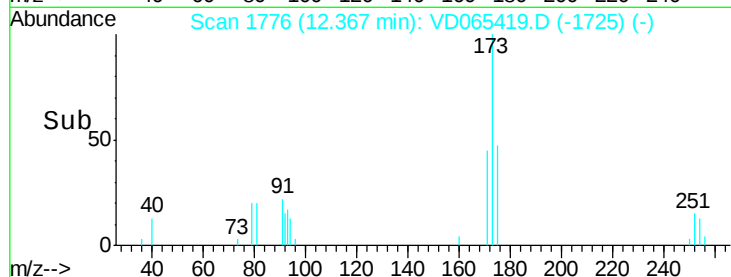
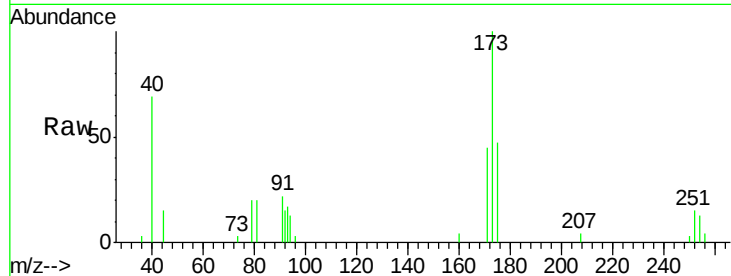
#71
Bromoform
Concen: 4.643 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1#

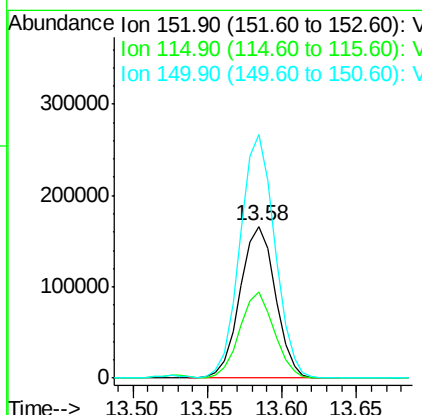
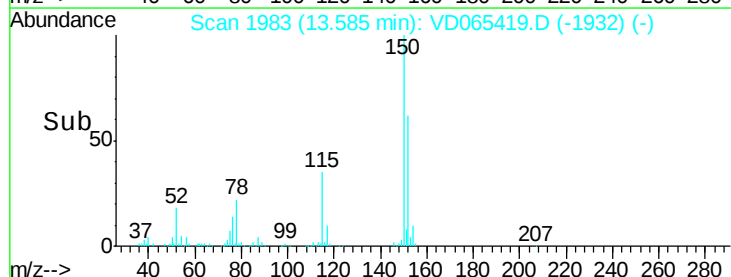
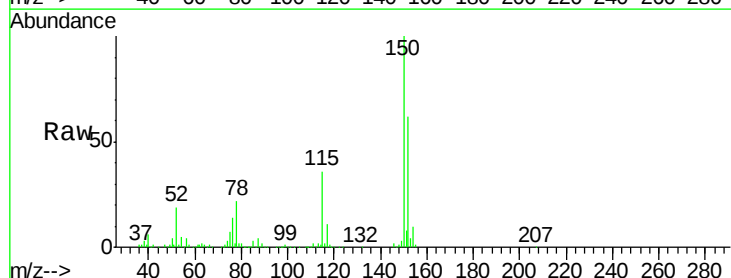
Manual Integrations
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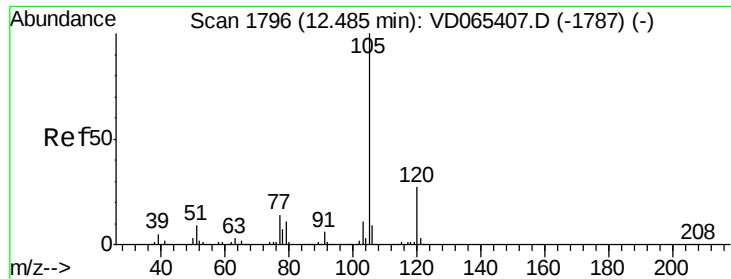
MMDadoda
3/5/2020 1:39:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.8
150	158.1	0.0	345.0





#73

Isopropylbenzene

Concen: 3.598 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 105 Resp: 64738

Ion Ratio Lower Upper

105 100

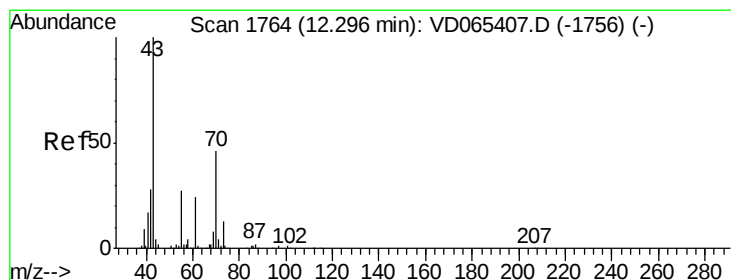
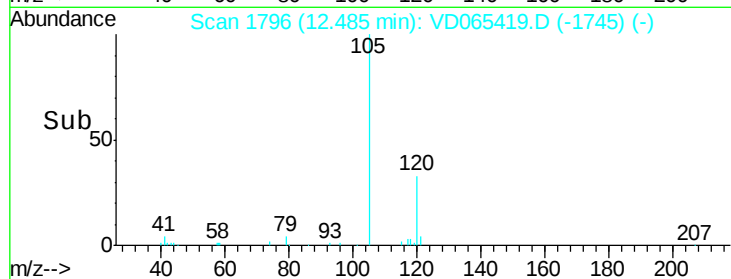
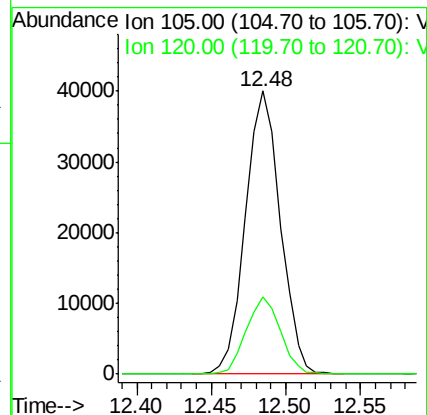
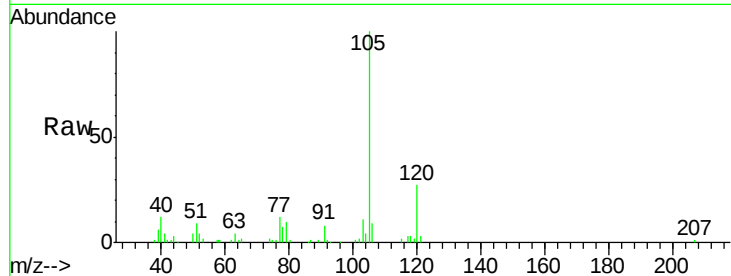
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

3/5/2020 1:39:16 PM



#74

N-ethyl acetate

Concen: 3.835 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion: 43 Resp: 14127

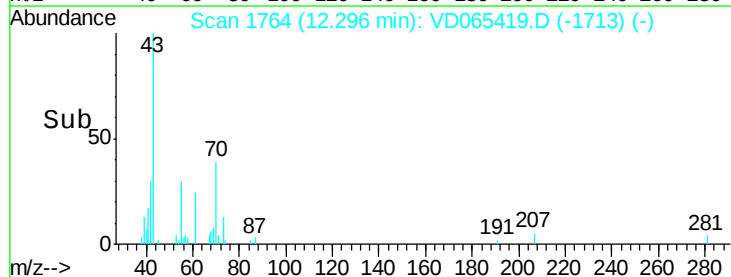
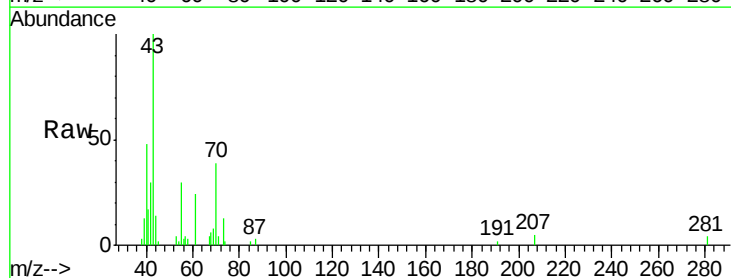
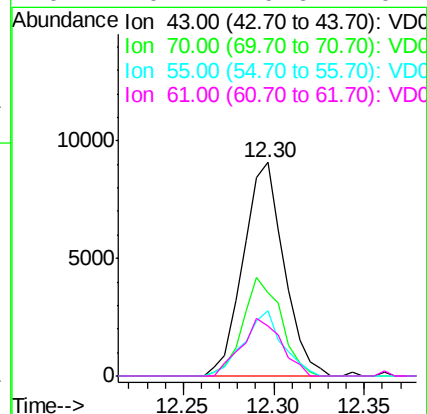
Ion Ratio Lower Upper

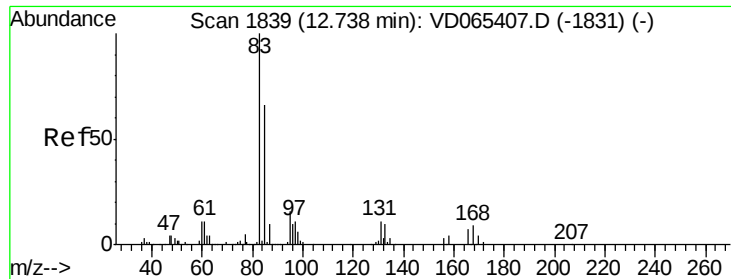
43 100

70 43.5 36.1 54.1

55 28.9 21.6 32.4

61 26.2 19.6 29.4





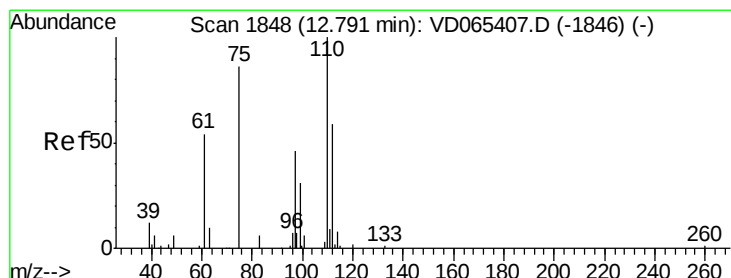
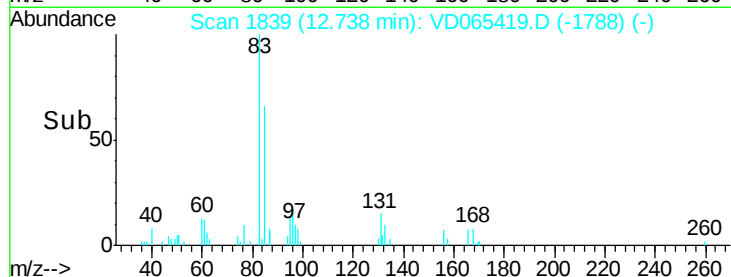
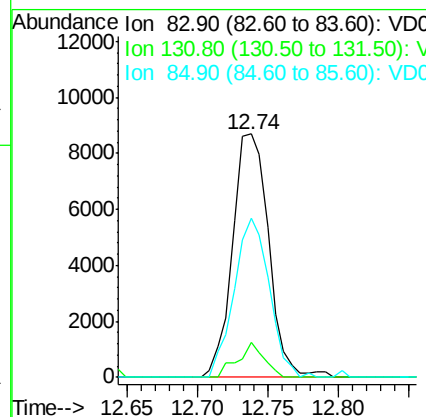
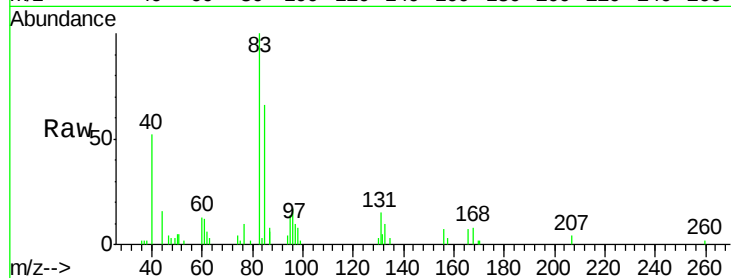
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.912 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.4	16.2
85	63.7	33.0	98.9

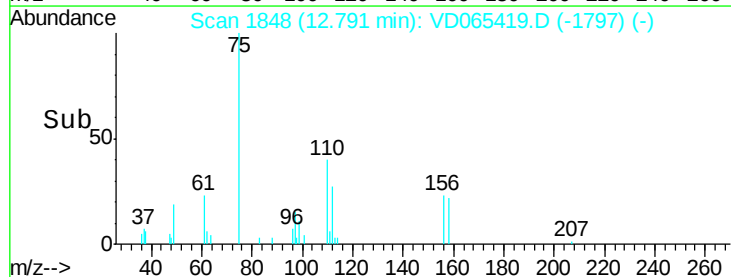
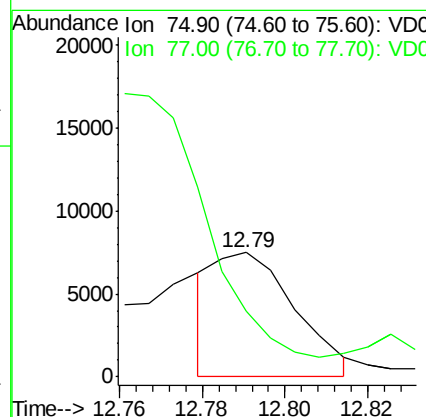
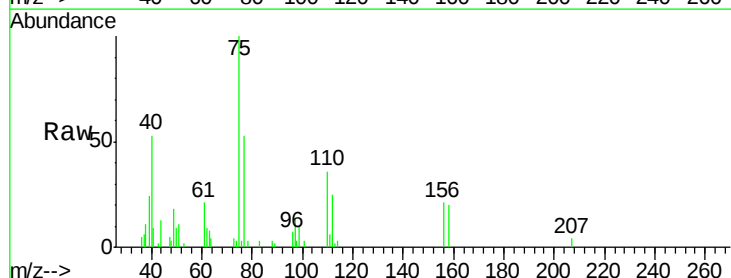
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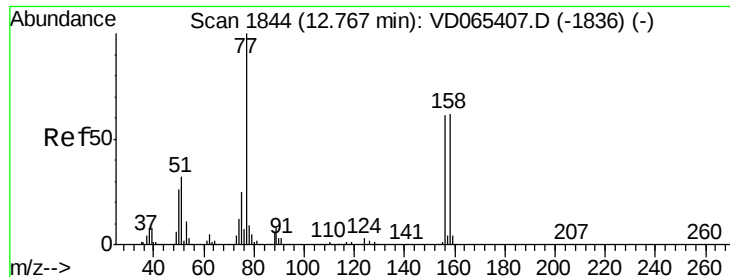
MMDadoda
 3/5/2020 1:39:16 PM



#76
 1,2,3-Trichloropropane
 Concen: 4.708 ug/l m
 RT: 12.79 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.507 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

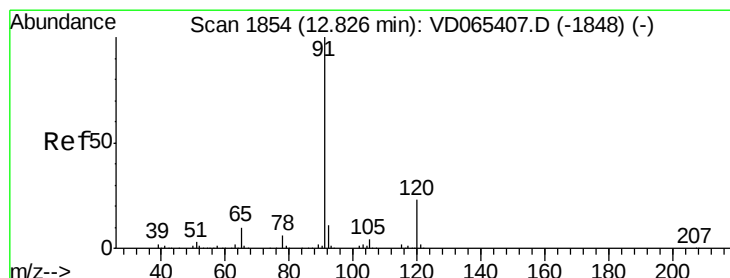
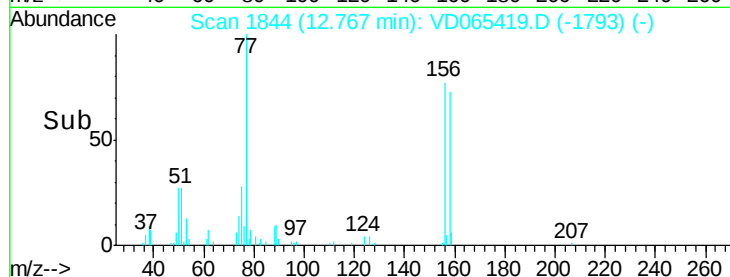
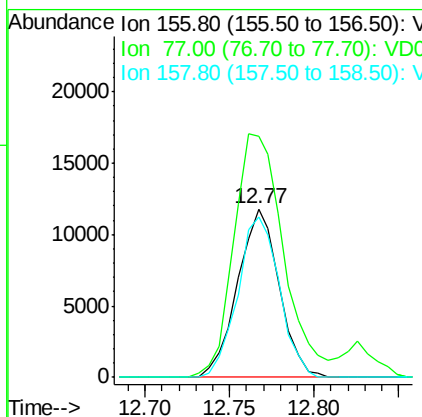
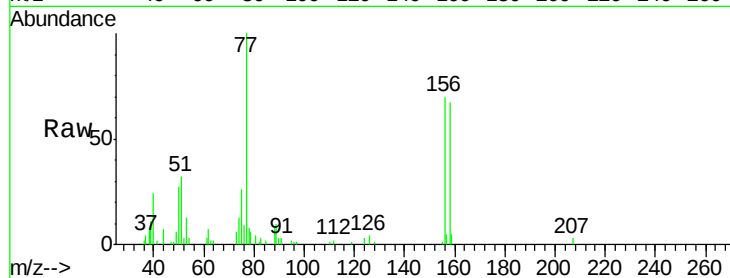
ClientSampleId :

VD0306

Tot Ion:	156	Resp:	20150
Ion	Ratio	Lower	Upper
156	100		
77	172.7	84.9	254.6
158	95.2	49.0	147.2

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#78

n-propylbenzene

Concen: 3.883 ug/l

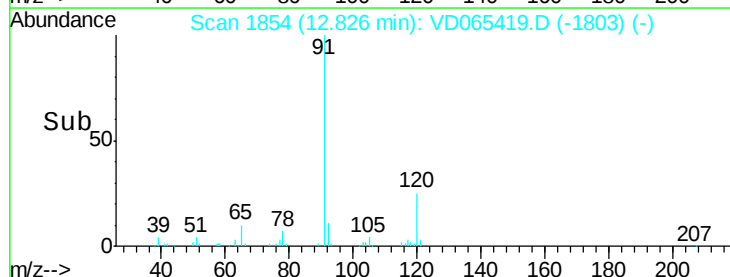
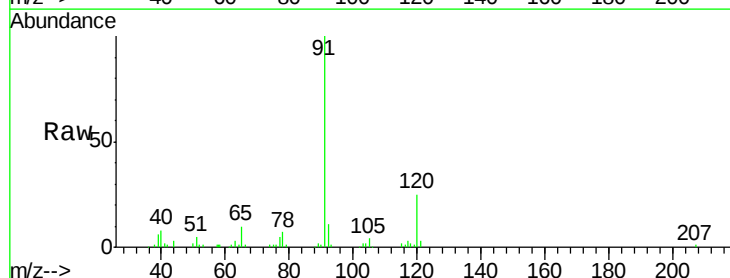
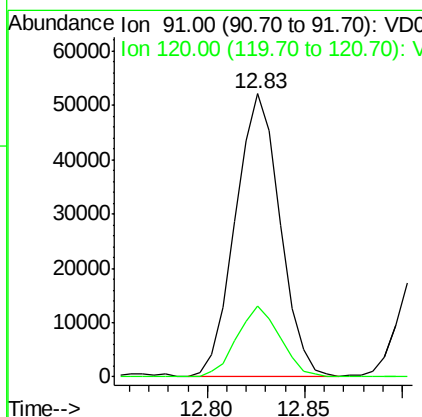
RT: 12.83 min Scan# 1854

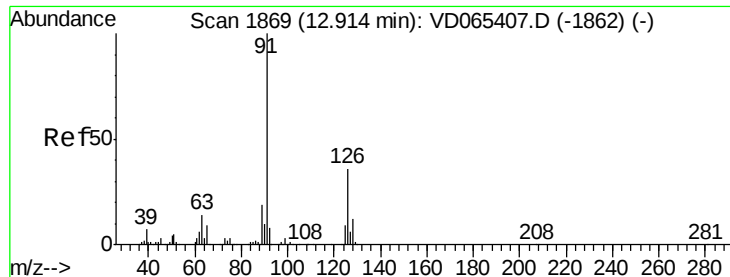
Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion:	91	Resp:	82894
Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.5





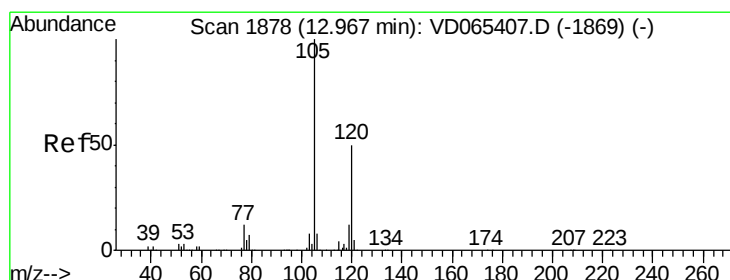
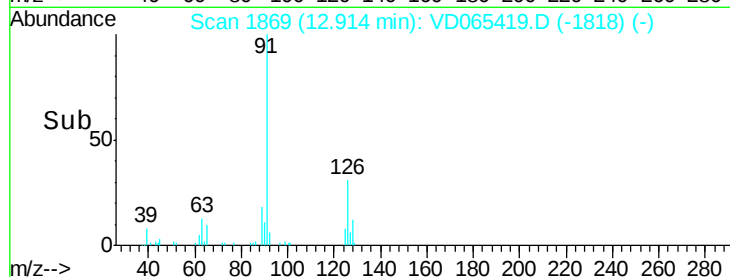
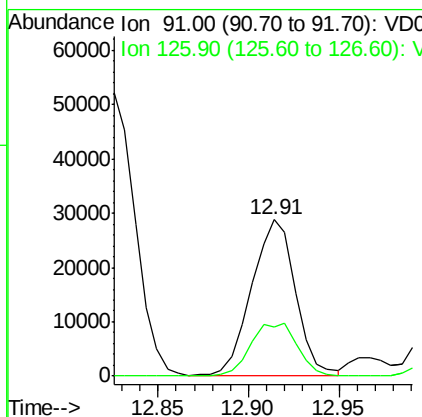
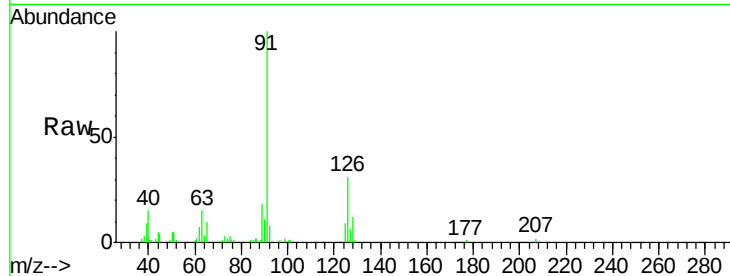
#79
2-Chlorotoluene
Concen: 4.053 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.8

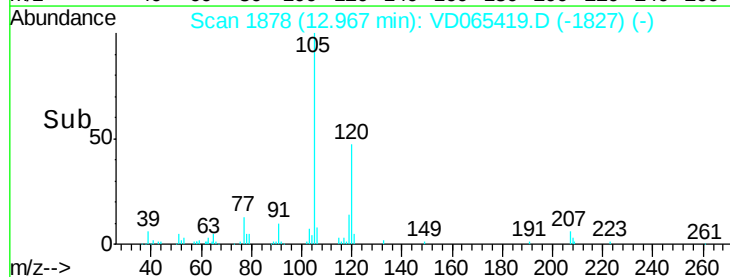
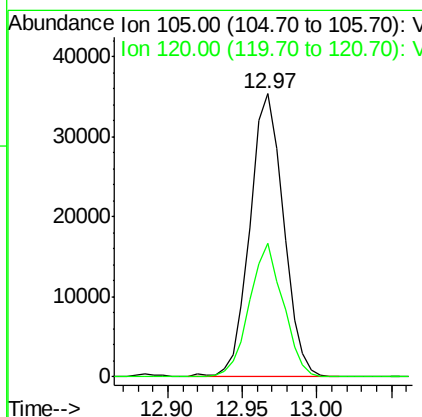
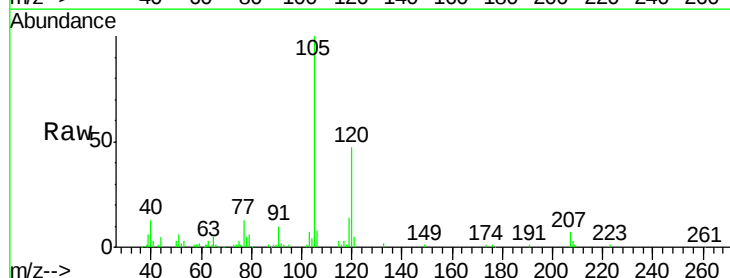
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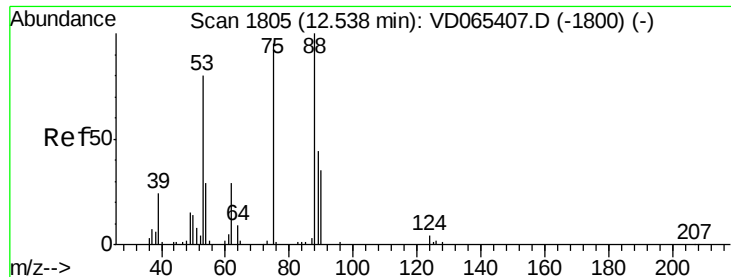
MMDadoda
3/5/2020 1:39:16 PM



#80
1,3,5-Trimethylbenzene
Concen: 3.727 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	25.4	76.0





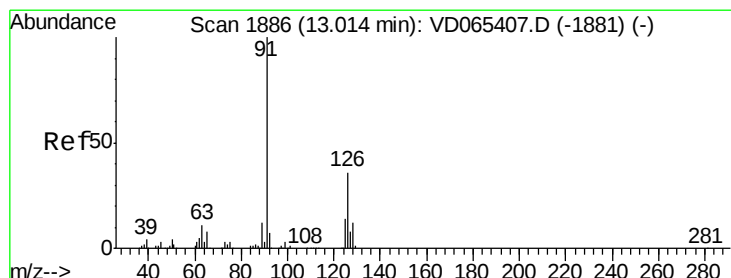
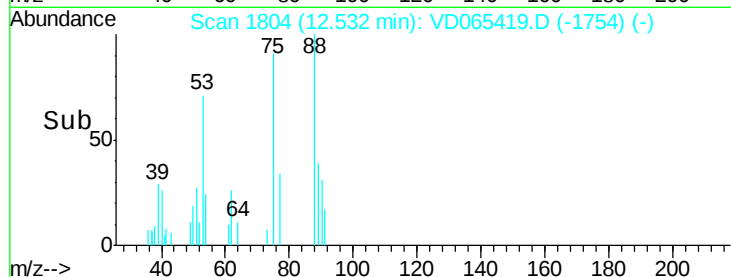
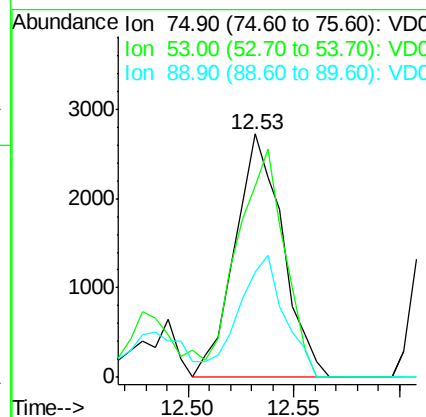
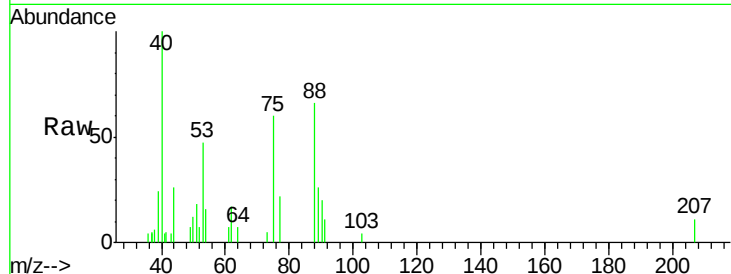
#81
trans-1,4-Dichloro-2-butene
Concen: 4.165 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	71.3	106.9
89	47.8	37.0	55.6

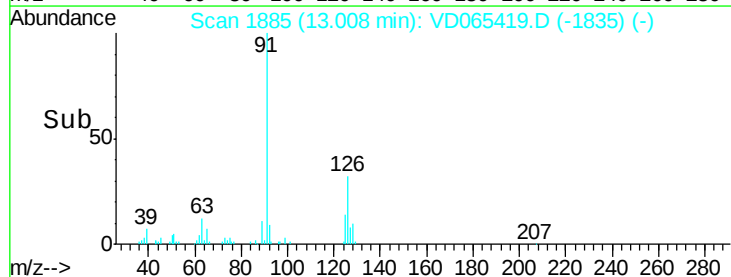
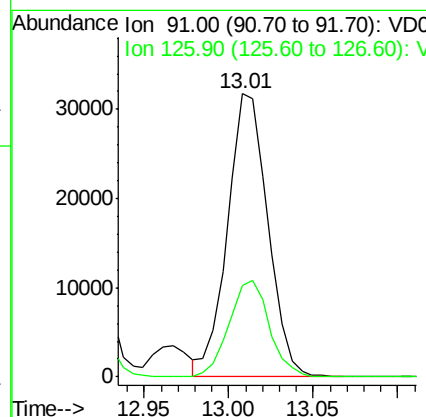
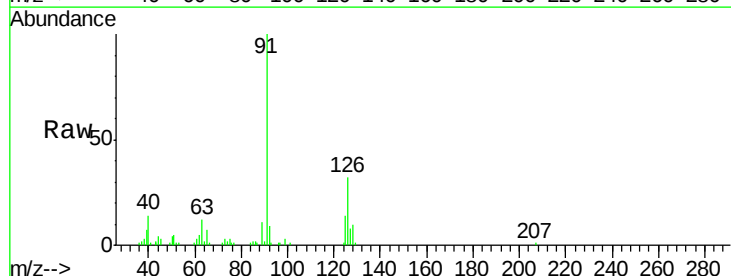
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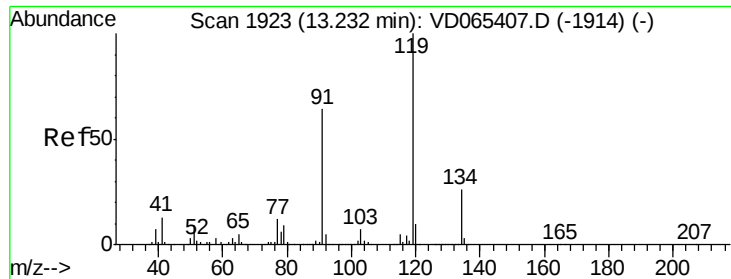
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#82
4-Chlorotoluene
Concen: 4.169 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.6	52.8





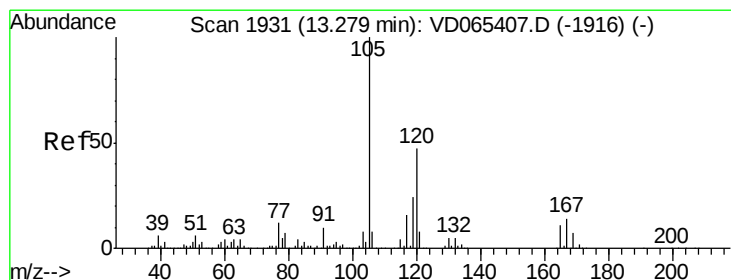
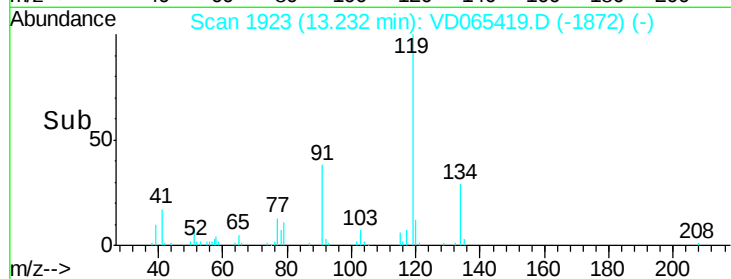
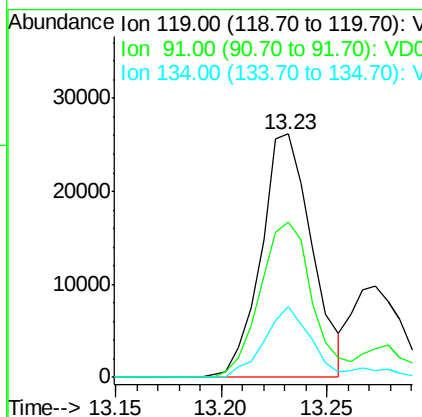
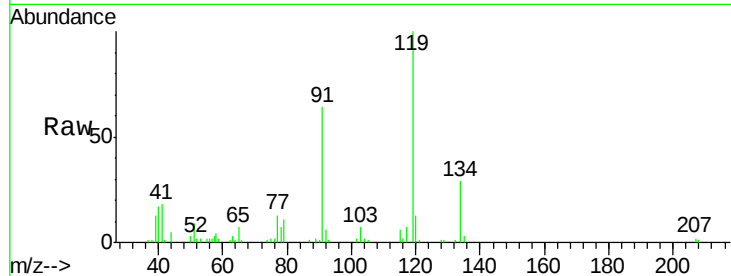
#83
 tert-Butylbenzene
 Concen: 3.512 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	31.6	95.0
134	26.7	14.2	42.8

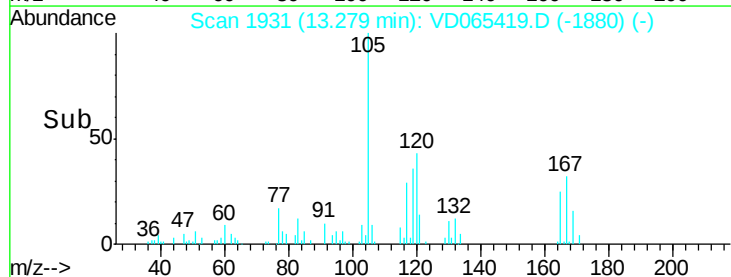
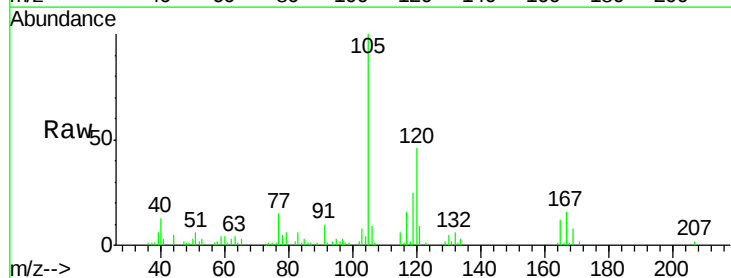
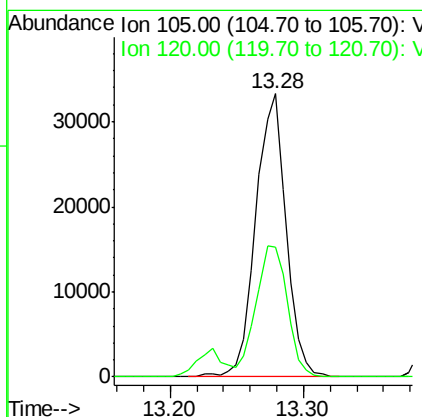
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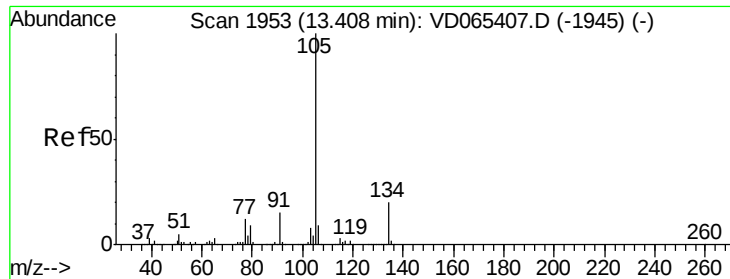
MMDadoda
 3/5/2020 1:39:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 3.565 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 3.489 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion:105 Resp: 62326

Ion Ratio Lower Upper

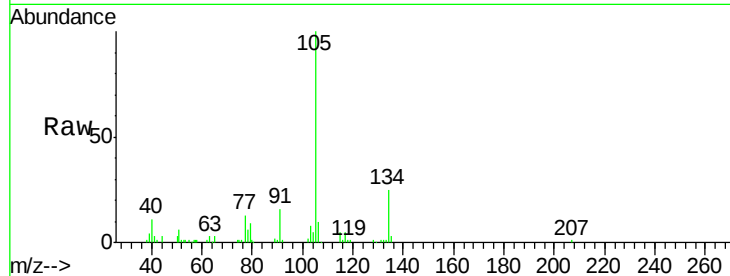
105 100

134 21.1 10.3 30.9

Manual Integrations
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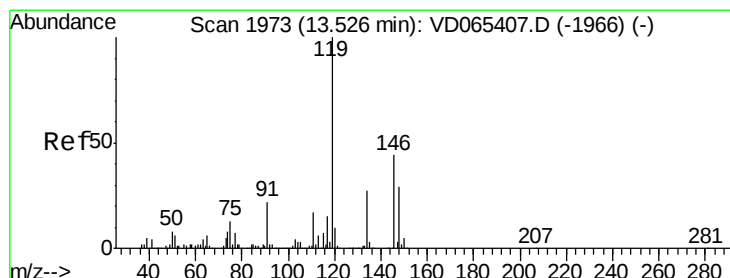
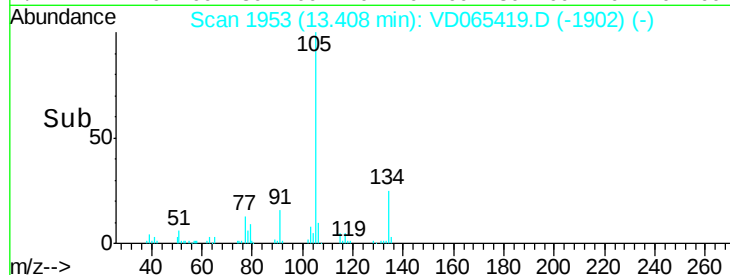
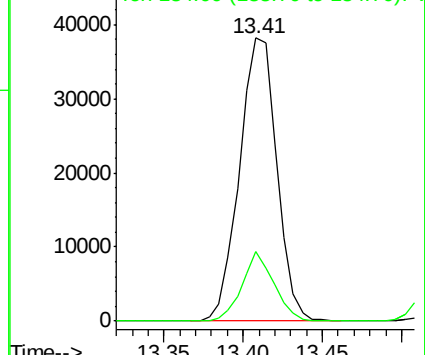
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.375 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

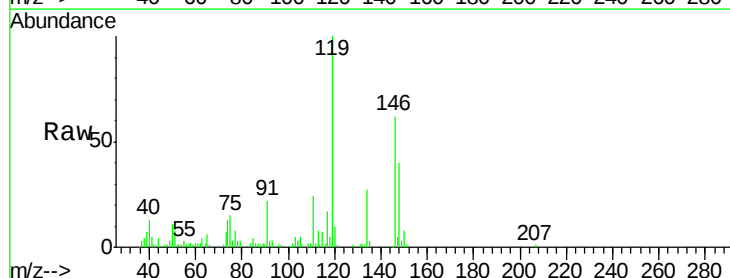
Tgt Ion:119 Resp: 55010

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

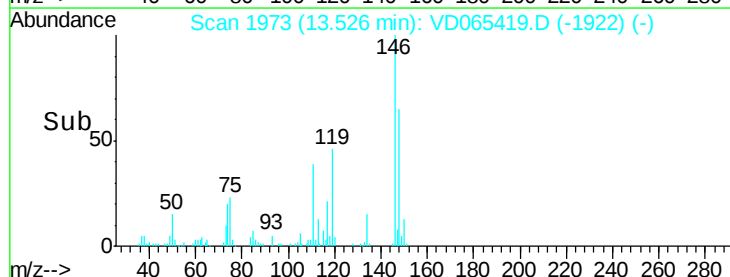
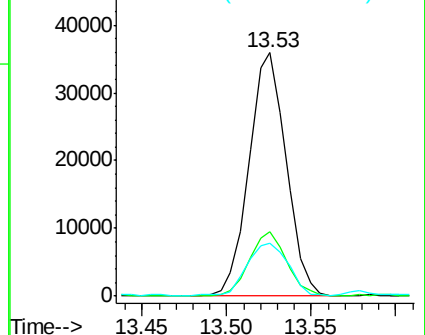
91 24.1 10.9 32.6

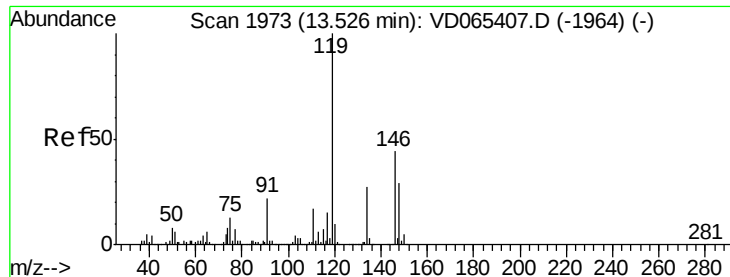


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.190 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

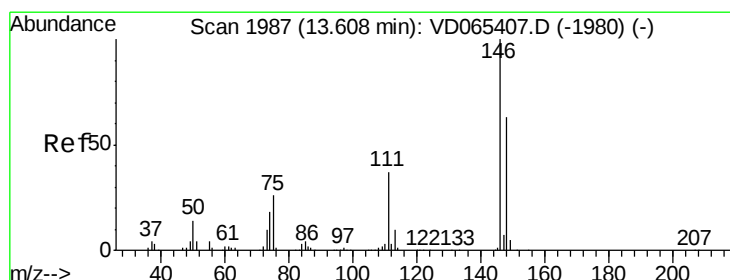
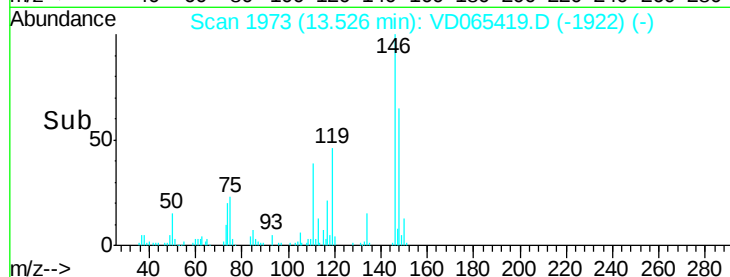
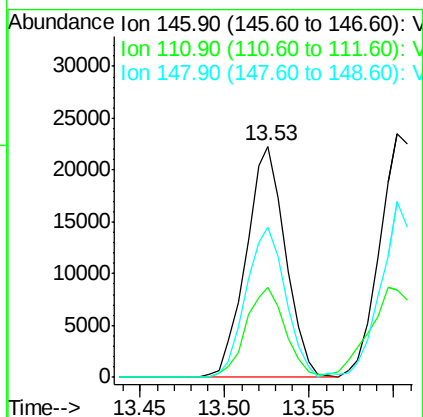
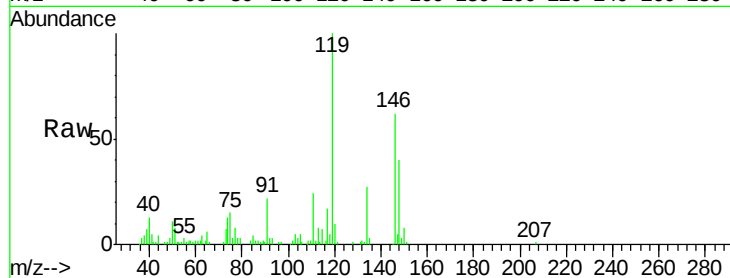
ClientSampleId :

VD0306

Tot Ion:	146	Resp:	36012
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.1
148	65.9	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 4.540 ug/l

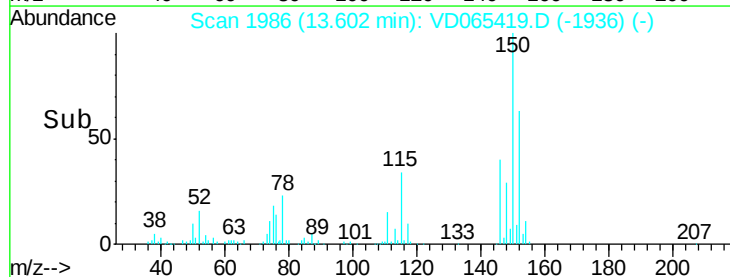
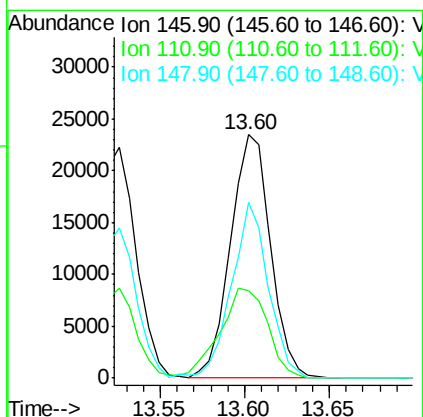
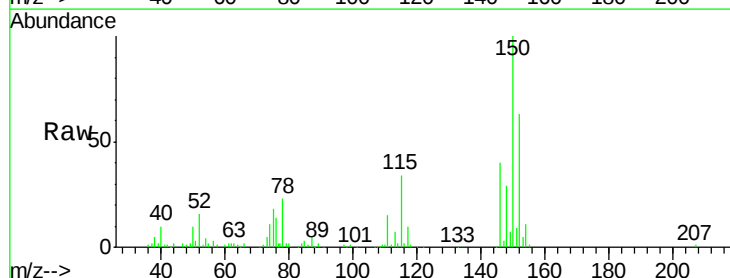
RT: 13.60 min Scan# 1986

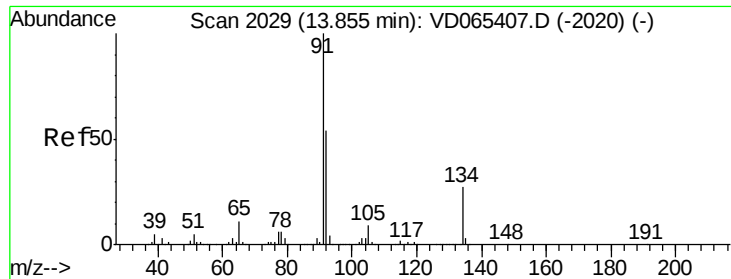
Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion:	146	Resp:	38815
Ion Ratio	Lower	Upper	
146	100		
111	43.7	18.5	55.5
148	65.8	32.0	96.0





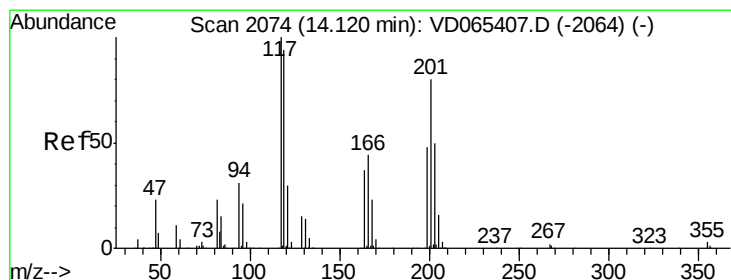
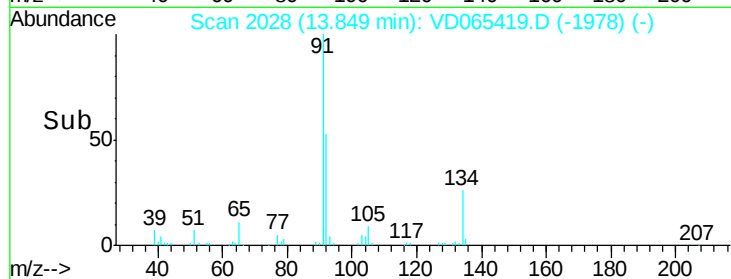
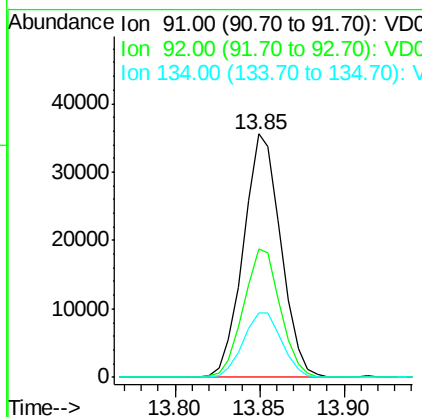
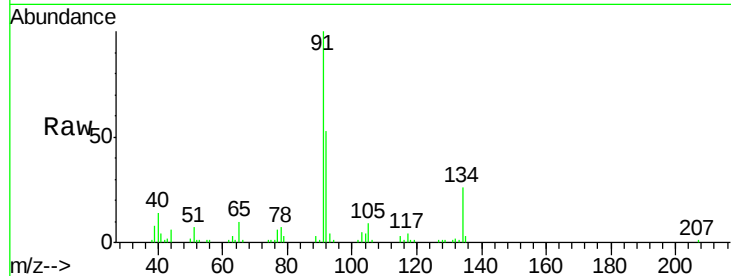
#89
n-Butylbenzene
Concen: 3.640 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	27.1	13.4	40.2

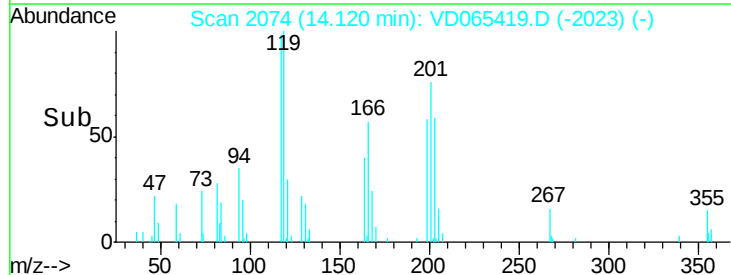
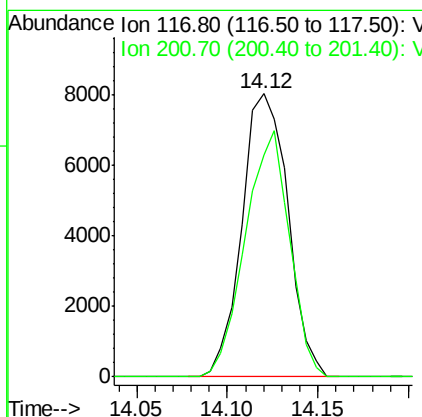
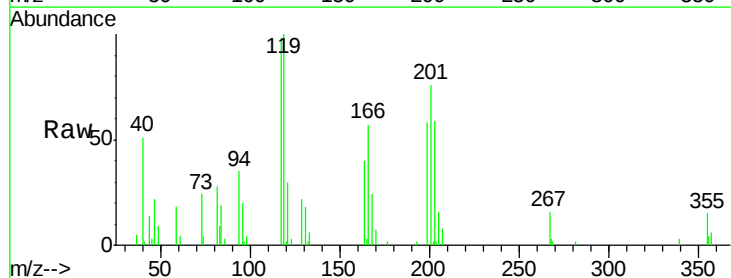
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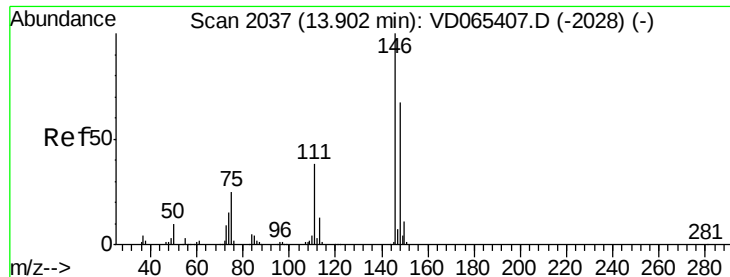
MMDadoda
3/5/2020 1:39:16 PM



#90
Hexachloroethane
Concen: 4.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.9	125.6





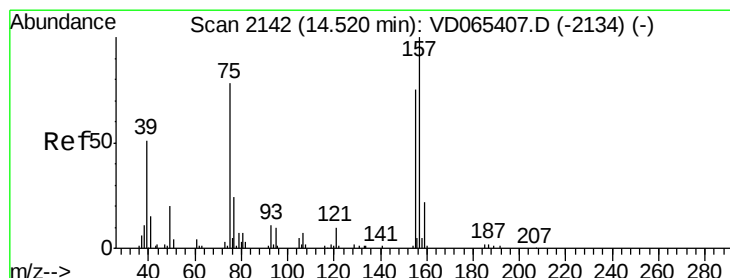
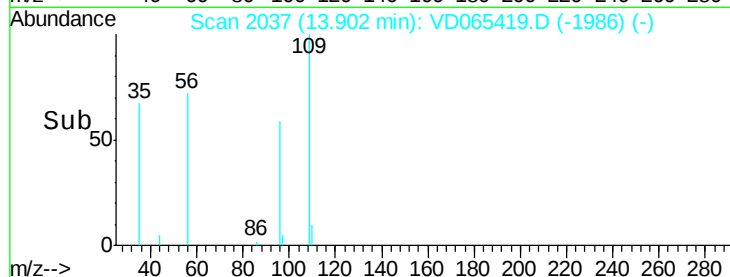
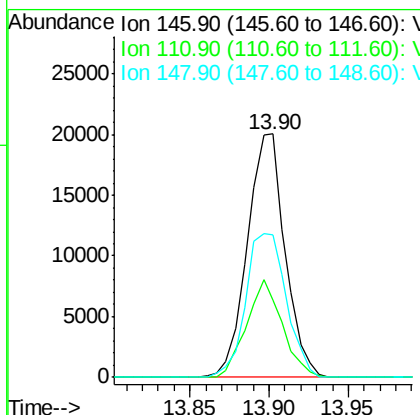
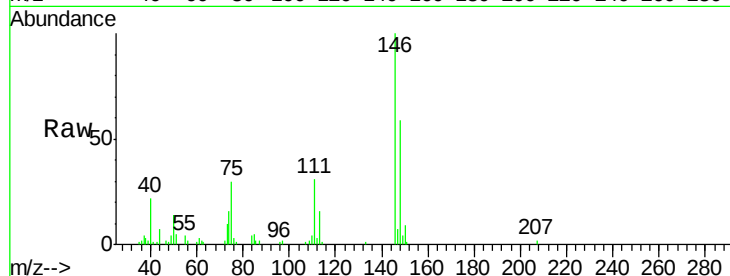
#91
 1,2-Dichlorobenzene
 Concen: 4.545 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampled :
 VD0306

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.8	59.3
148	63.6	32.6	97.8

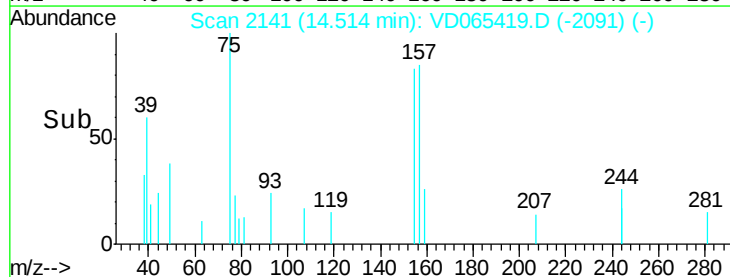
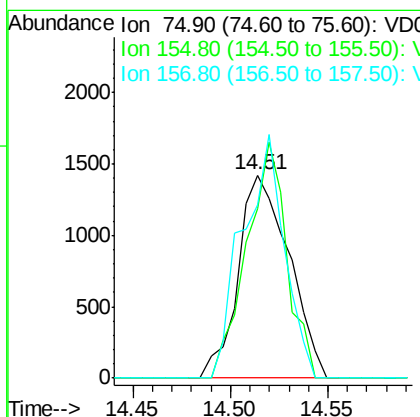
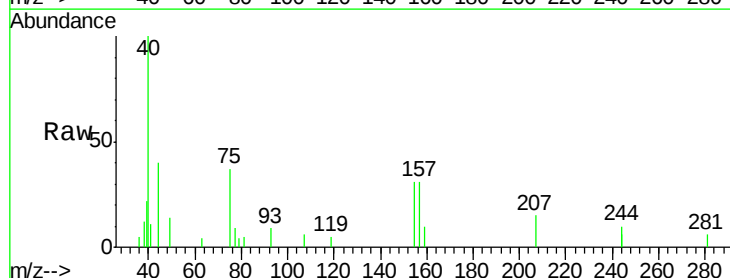
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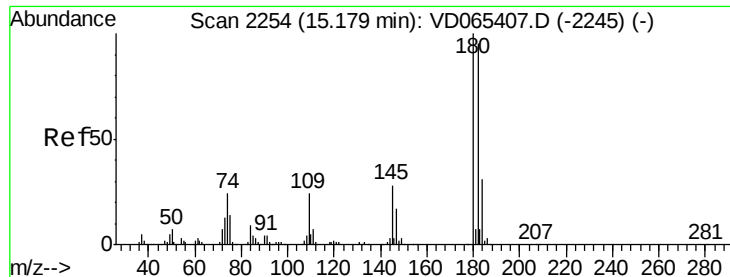
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.323 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	46.4	139.1
157	98.3	60.2	180.4





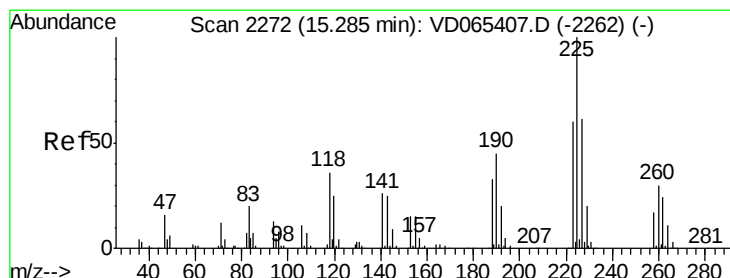
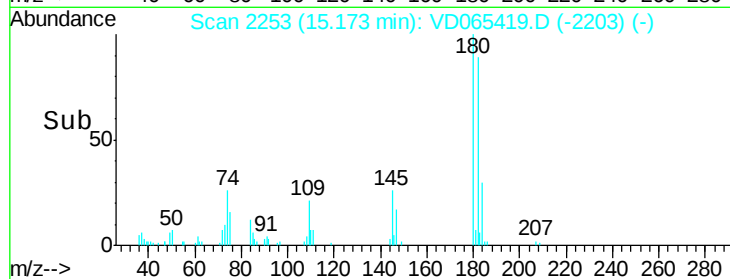
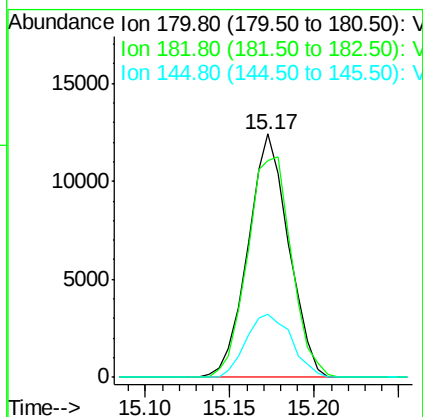
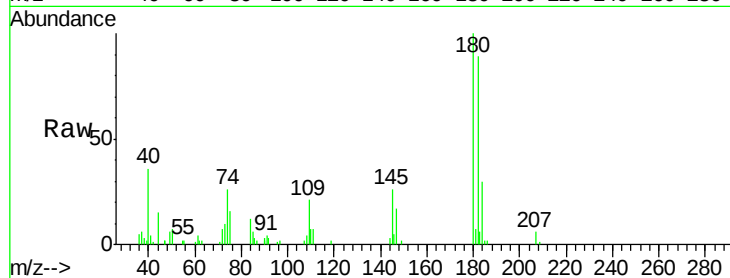
#93
 1,2,4-Trichlorobenzene
 Concen: 4.214 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20887		
182	97.7	48.3	144.9	
145	28.6	14.4	43.4	

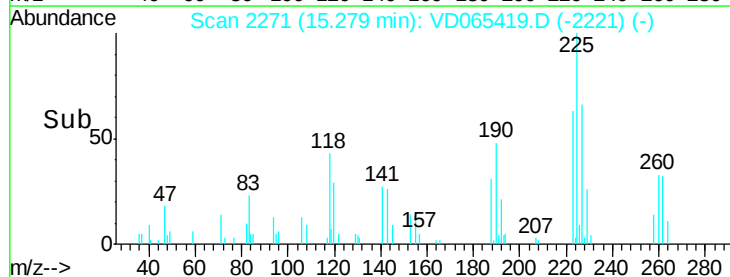
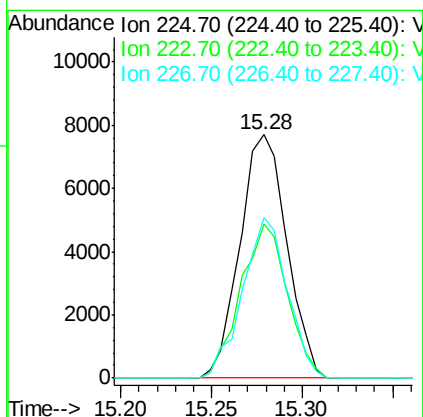
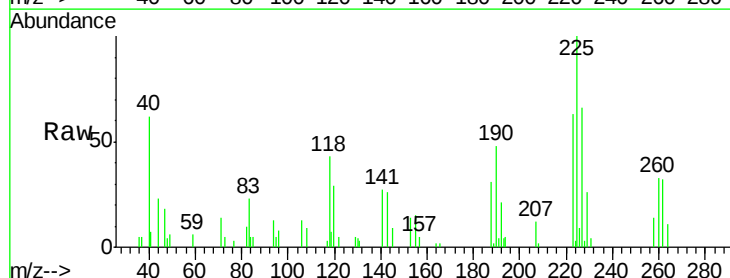
Manual Integrations
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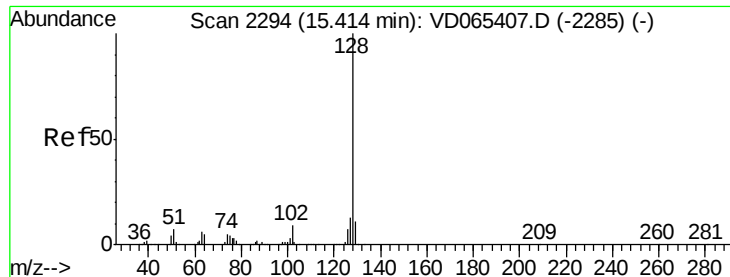
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#94
 Hexachlorobutadiene
 Concen: 4.262 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13881		
223	62.9	30.9	92.5	
227	62.6	31.6	94.7	





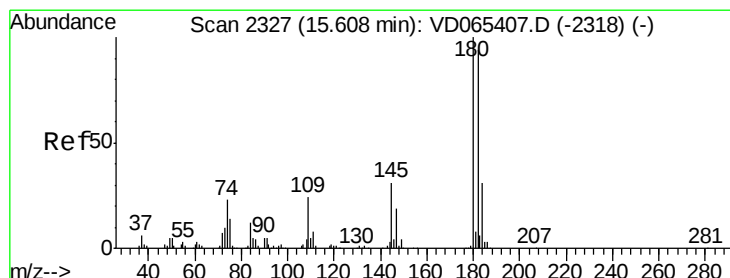
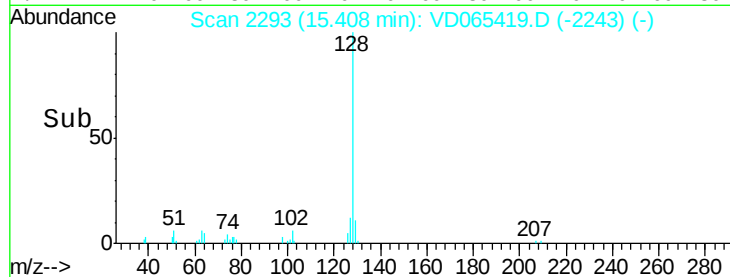
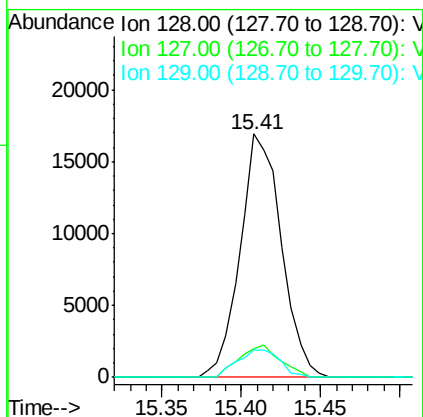
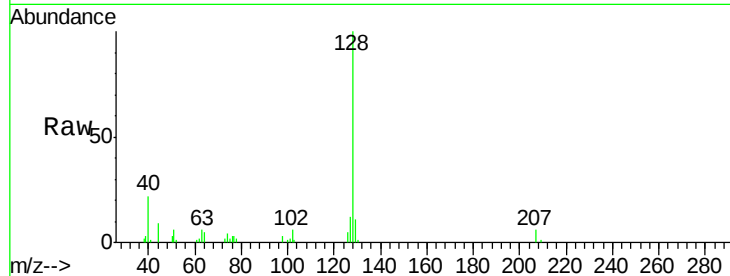
#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.166 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.2	46.9	140.6
145	32.7	15.0	45.1

