

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065486.D
 Acq On : 12 Mar 2020 12:19
 Operator : VA/SY
 Sample : VD0312SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:01 PM

Quant Time: Mar 13 05:11:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200824	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.93	113	211575	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.34	98	809090	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.64	95	261420	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84733	20.944	ug/l	99
3) Chloromethane	2.21	50	99813	20.435	ug/l	100
4) Vinyl Chloride	2.36	62	100542	20.869	ug/l	99
5) Bromomethane	2.77	94	66019	21.752	ug/l	95
6) Chloroethane	2.93	64	61999	21.012	ug/l	95
7) Trichlorofluoromethane	3.27	101	145789	20.537	ug/l	99
8) Diethyl Ether	3.70	74	44075	20.878	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96650	21.140	ug/l	98
10) Methyl Iodide	4.30	142	96527	20.322	ug/l	99
11) Tert butyl alcohol	5.25	59	22151m	95.636	ug/l	
12) 1,1-Dichloroethene	4.06	96	85940	19.630	ug/l	97
13) Acrolein	3.92	56	33220	83.163	ug/l	99
14) Allyl chloride	4.71	41	131512	19.555	ug/l	99
15) Acrylonitrile	5.43	53	96881	105.488	ug/l	99
16) Acetone	4.17	43	82043	100.463	ug/l	97
17) Carbon Disulfide	4.41	76	285720	19.597	ug/l	100
18) Methyl Acetate	4.72	43	44234	21.353	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172490	20.488	ug/l	95
20) Methylene Chloride	4.96	84	102850	21.201	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	100296	20.594	ug/l	97
22) Diisopropyl ether	6.37	45	267837	21.424	ug/l	96
23) Vinyl Acetate	6.31	43	713928	102.846	ug/l	99
24) 1,1-Dichloroethane	6.27	63	165141	20.594	ug/l	98
25) 2-Butanone	7.23	43	113121	101.505	ug/l	92
26) 2,2-Dichloropropane	7.21	77	144242	20.584	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	101571	20.404	ug/l	99
28) Bromochloromethane	7.56	49	68666	21.403	ug/l	98
29) Tetrahydrofuran	7.57	42	72463	101.817	ug/l	99
30) Chloroform	7.71	83	170755	21.304	ug/l	99
31) Cyclohexane	7.99	56	155357	19.375	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	151421	20.443	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132840	20.093	ug/l	98
37) Ethyl Acetate	7.30	43	53541	20.953	ug/l	96
38) Carbon Tetrachloride	8.10	117	141656	20.663	ug/l	95

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155340	19.454	ug/l	93
40) Benzene	8.36	78	385726	20.867	ug/l	100
41) Methacrylonitrile	7.53	41	28329	20.963	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	101737	21.077	ug/l	99
43) Isopropyl Acetate	8.46	43	96123	20.372	ug/l	98
44) Trichloroethene	9.11	130	107223	20.540	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95284	21.280	ug/l	98
46) Dibromomethane	9.48	93	49851	21.464	ug/l	97
47) Bromodichloromethane	9.67	83	129323	21.403	ug/l	93
48) Methyl methacrylate	9.46	41	44068	19.856	ug/l	96
49) 1,4-Dioxane	9.47	88	11412	429.561	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	254476	107.178	ug/l	99
52) Toluene	10.41	92	245420	21.076	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118858	21.050	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	144595	21.156	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70641	21.475	ug/l	98
56) Ethyl methacrylate	10.67	69	77821	20.985	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120087	21.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	128966	112.480	ug/l	100
59) 2-Hexanone	10.99	43	167448	101.878	ug/l	100
60) Dibromochloromethane	11.14	129	93671	22.215	ug/l	96
61) 1,2-Dibromoethane	11.25	107	68411	21.803	ug/l	95
64) Tetrachloroethene	10.88	164	93322	20.471	ug/l	98
65) Chlorobenzene	11.67	112	259218	20.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96543	21.056	ug/l	98
67) Ethyl Benzene	11.75	91	440046	20.229	ug/l	99
68) m/p-Xylenes	11.86	106	354286	42.239	ug/l	99
69) o-Xylene	12.18	106	149342	20.241	ug/l	100
70) Styrene	12.20	104	271202	20.886	ug/l	99
71) Bromoform	12.37	173	53794	20.887	ug/l #	100
73) Isopropylbenzene	12.48	105	413861	19.879	ug/l	99
74) N-amyl acetate	12.30	43	84078	19.726	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76259	20.838	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	48441m	19.395	ug/l	
77) Bromobenzene	12.77	156	107077	20.701	ug/l	98
78) n-propylbenzene	12.83	91	505151	20.450	ug/l	99
79) 2-Chlorotoluene	12.91	91	282525	20.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	347383	20.296	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24269	20.505	ug/l	97
82) 4-Chlorotoluene	13.01	91	305008	20.849	ug/l	99
83) tert-Butylbenzene	13.23	119	283287	19.564	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347278	20.584	ug/l	99
85) sec-Butylbenzene	13.41	105	412885	19.976	ug/l	100
86) p-Isopropyltoluene	13.53	119	380816	20.191	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202164	20.329	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	203762	20.598	ug/l	99
89) n-Butylbenzene	13.85	91	342974	19.670	ug/l	99
90) Hexachloroethane	14.12	117	77833	20.039	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175817	20.775	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11421	20.492	ug/l	98

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114913	20.034	ug/l	97
94) Hexachlorobutadiene	15.28	225	75877	20.133	ug/l	99
95) Naphthalene	15.41	128	176303	20.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101373	20.452	ug/l	99

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

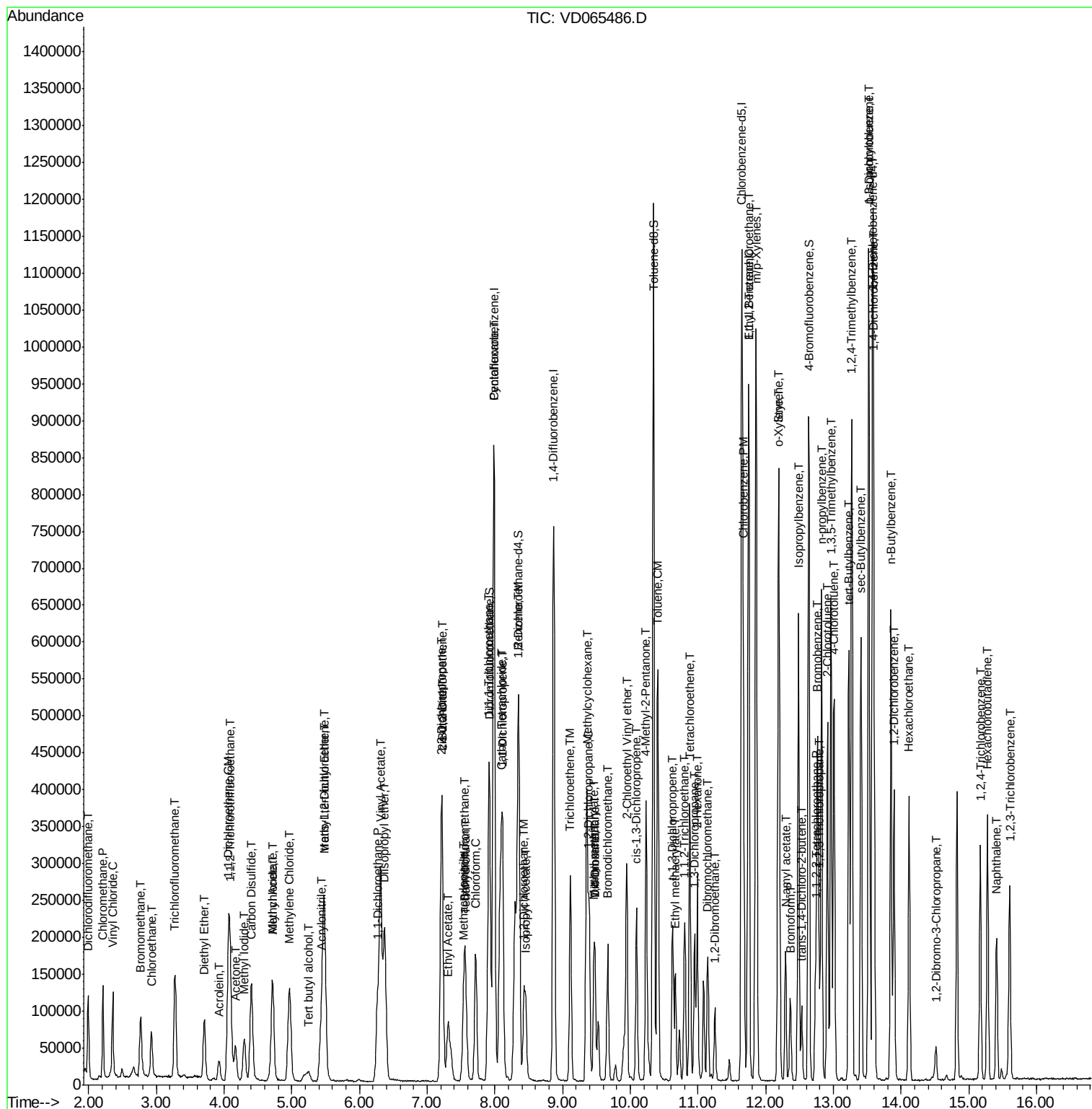
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031220\
Data File : VD065486.D
Acq On : 12 Mar 2020 12:19
Operator : VA/SY
Sample : VD0312SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

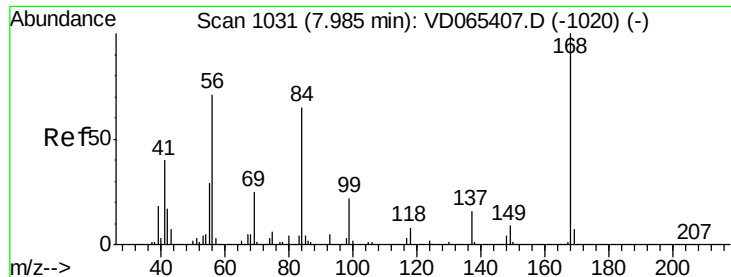
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Manual Integrations
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Quant Time: Mar 13 05:11:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

Tot Ion:168 Resp: 470741

Ion Ratio Lower Upper

168 100

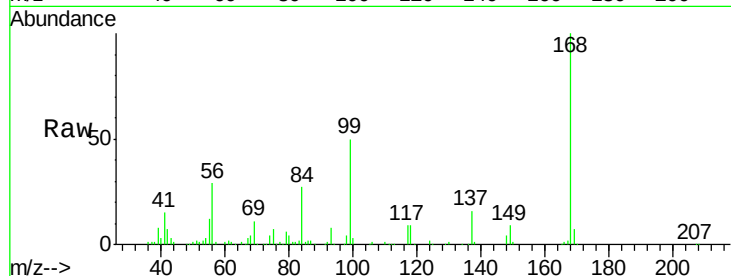
99 49.5 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

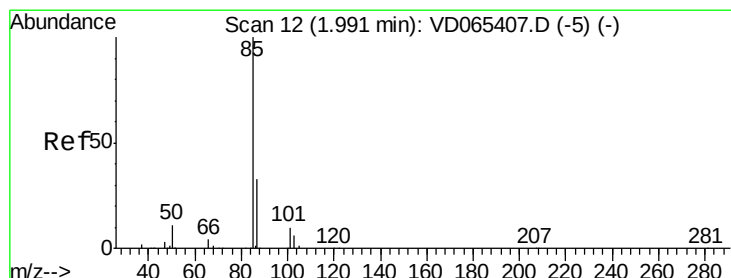
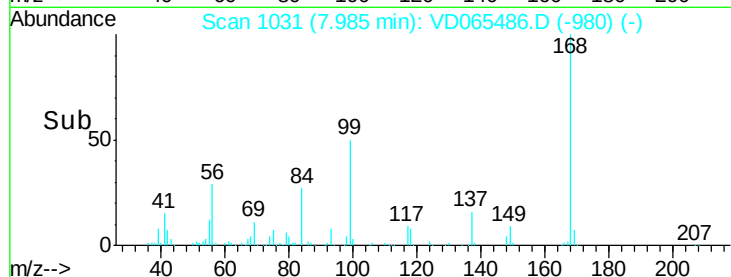
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.944 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065486.D

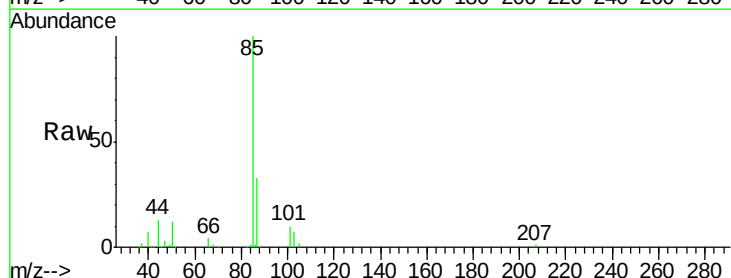
Acq: 12 Mar 2020 12:19

Tgt Ion: 85 Resp: 84733

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

40000

20000

0

1.90

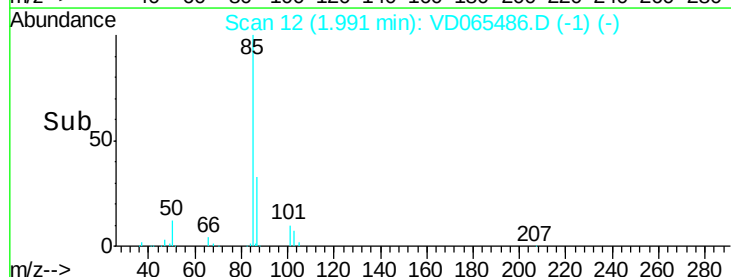
1.95

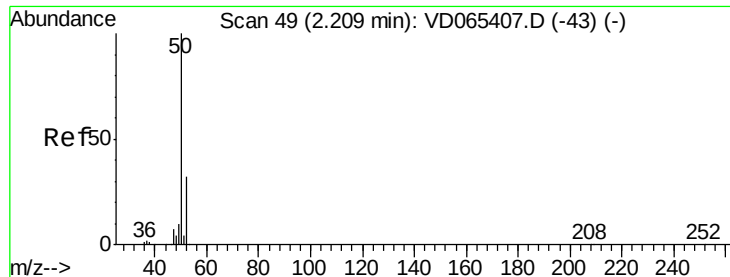
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.435 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

Tot Ion: 50 Resp: 99813

Ion Ratio Lower Upper

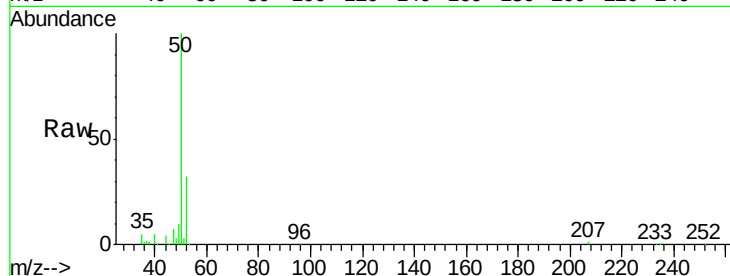
50 100

52 32.4 25.8 38.8

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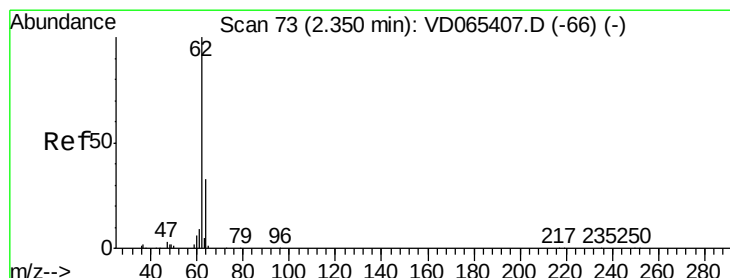
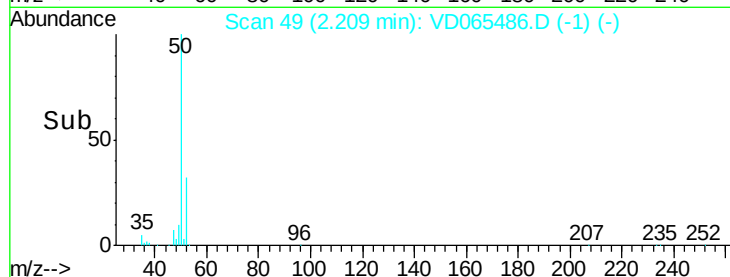
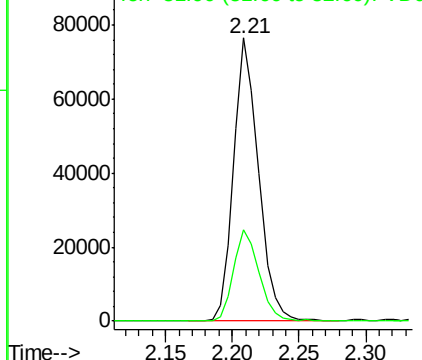
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.869 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065486.D

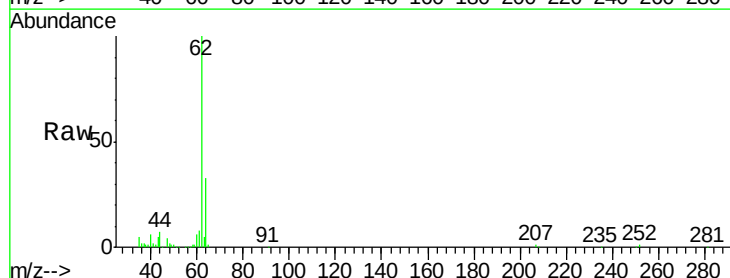
Acq: 12 Mar 2020 12:19

Tgt Ion: 62 Resp: 100542

Ion Ratio Lower Upper

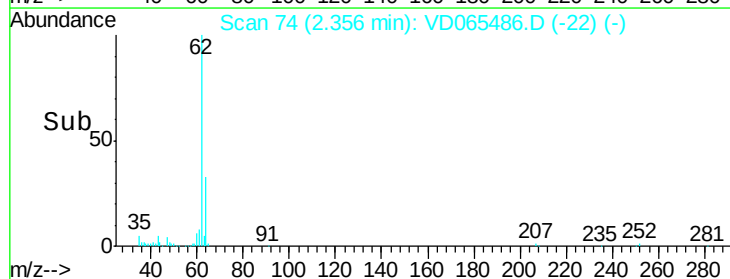
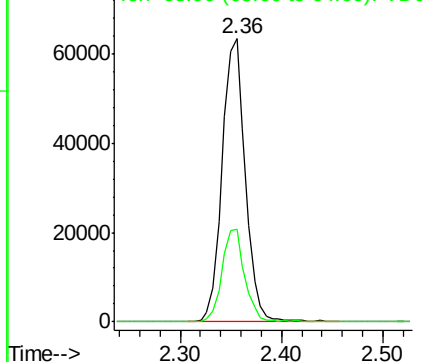
62 100

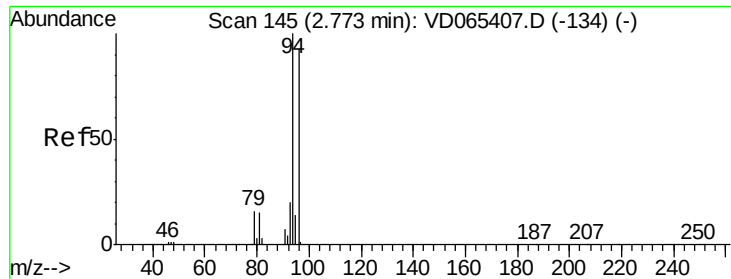
64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.752 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 94 Resp: 66019

Ion Ratio Lower Upper

94 100

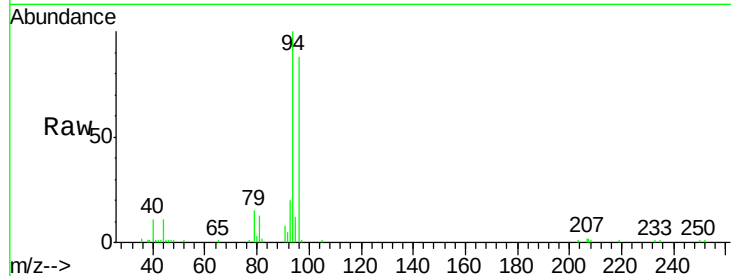
96 87.8 74.4 111.6

Manual Integrations

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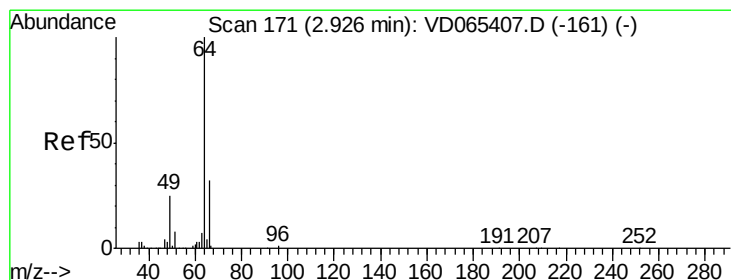
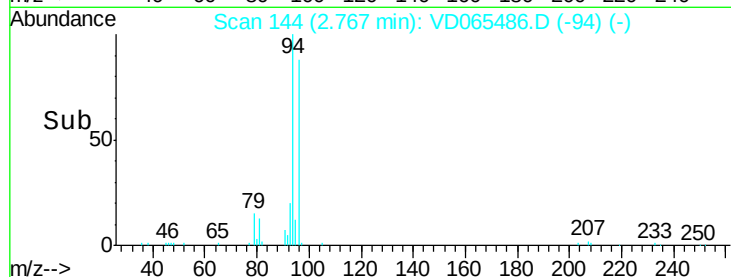
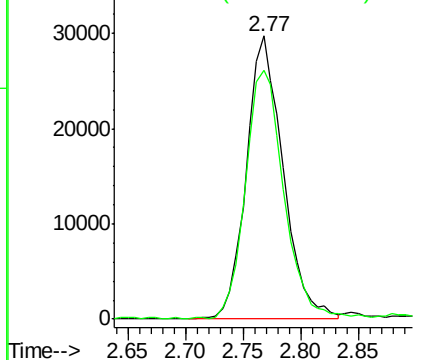
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.012 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065486.D

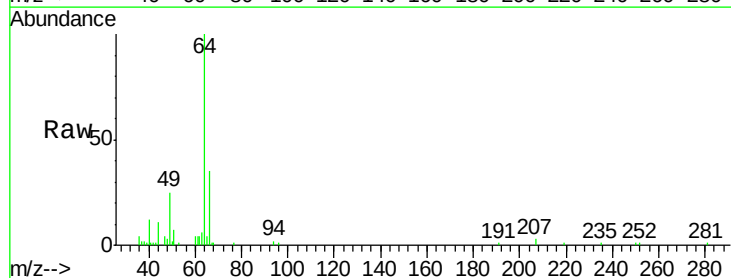
Acq: 12 Mar 2020 12:19

Tgt Ion: 64 Resp: 61999

Ion Ratio Lower Upper

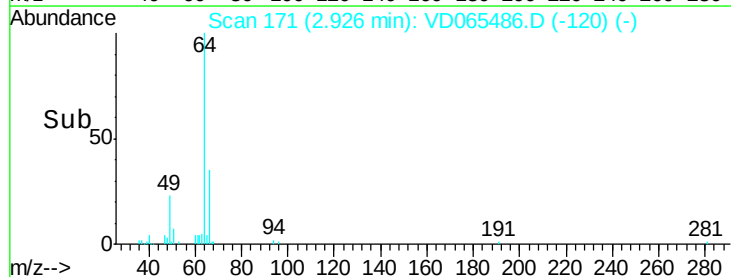
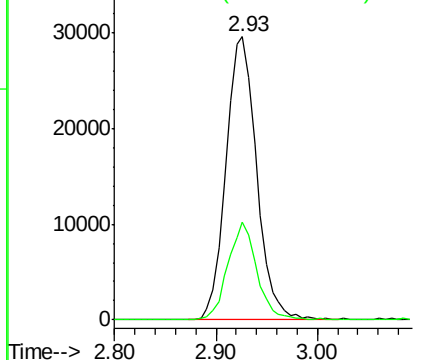
64 100

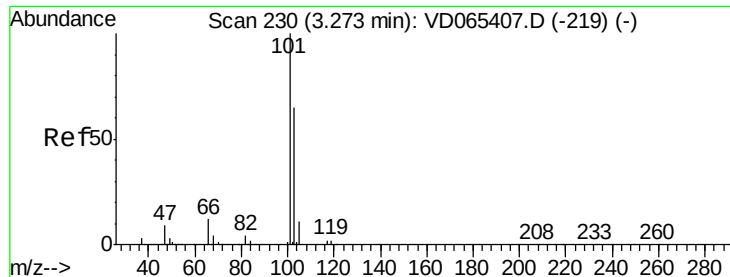
66 34.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

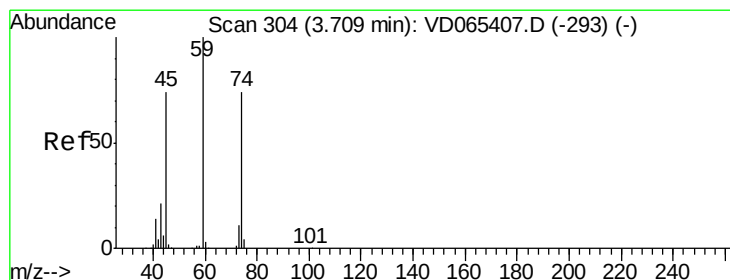
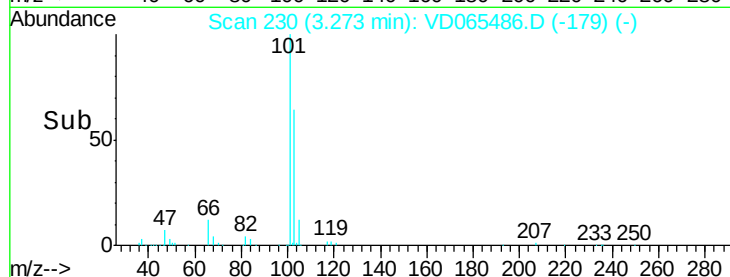
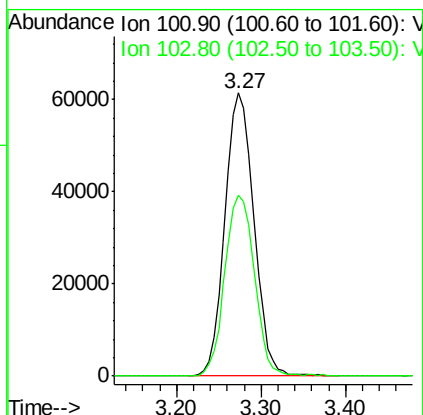
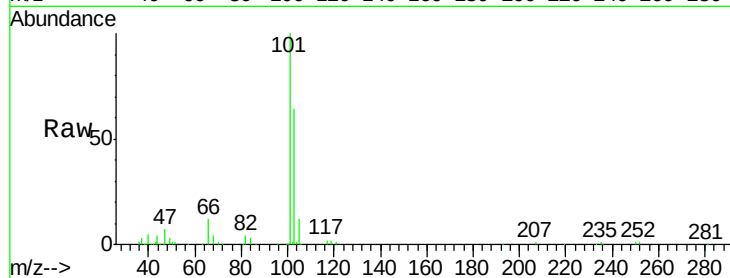
Trichlorofluoromethane
Concen: 20.537 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

Manual Integrations
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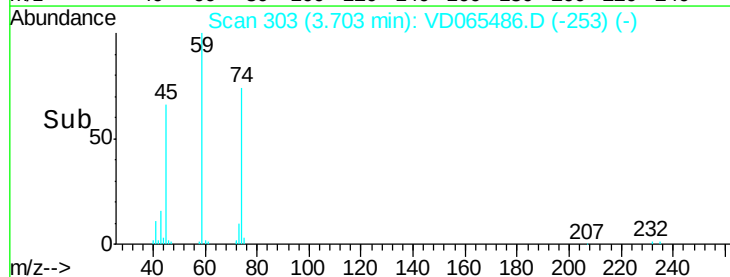
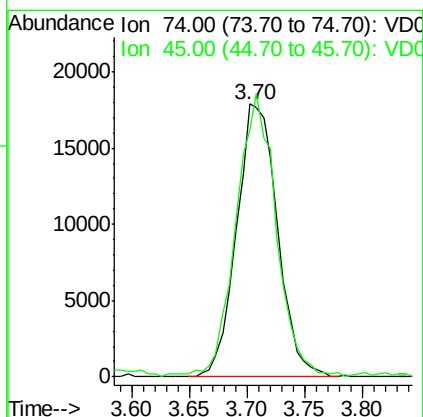
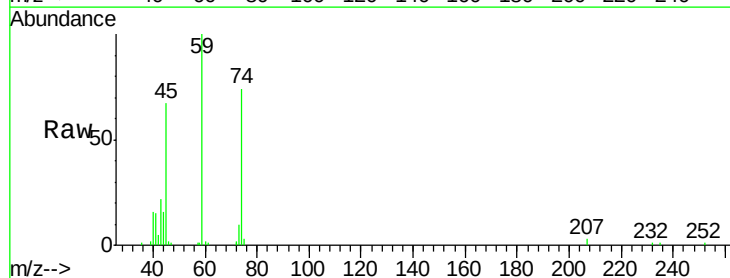
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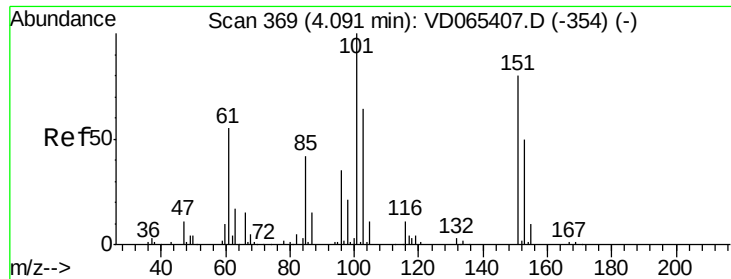


#8

Diethyl Ether
Concen: 20.878 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.140 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

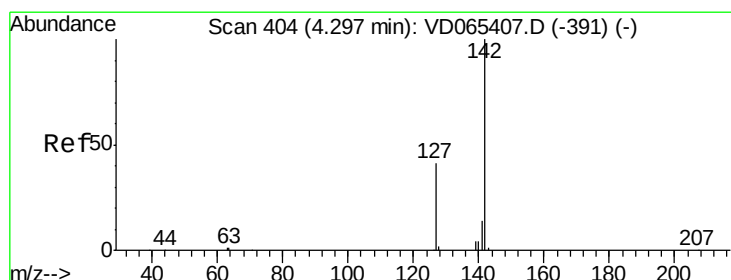
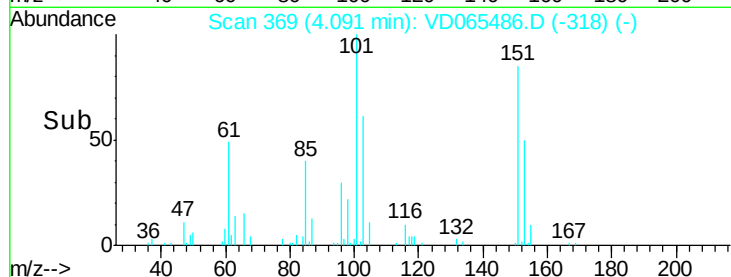
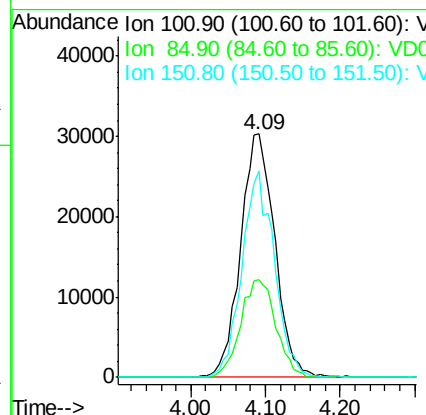
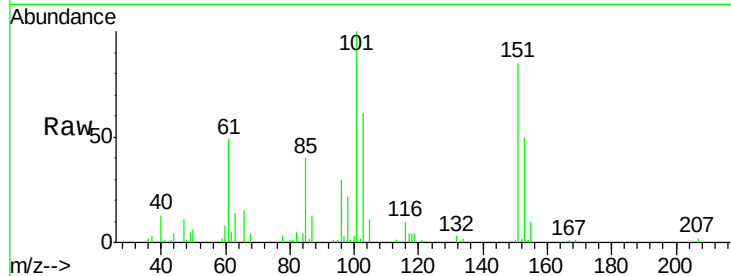
ClientSampleId :

VD0312SBS01

Tot Ion:	101	Resp:	96650
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.2
151	80.1	65.1	97.7

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#10

Methyl Iodide

Concen: 20.322 ug/l

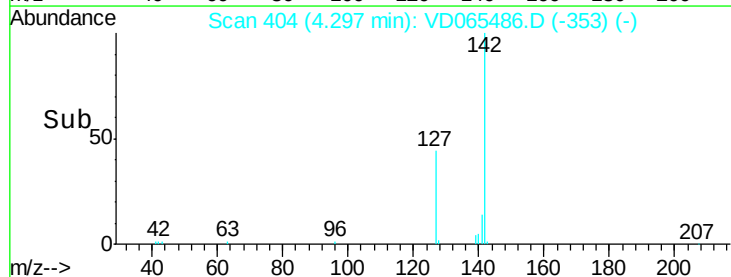
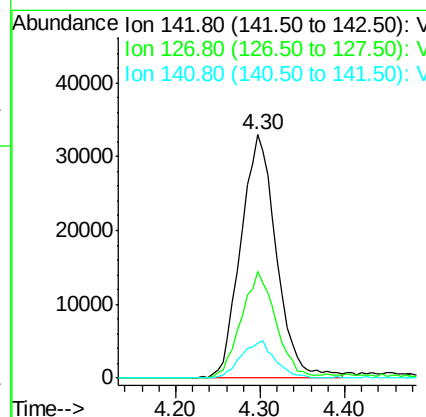
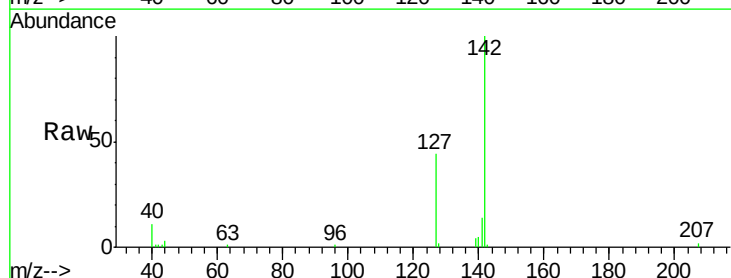
RT: 4.30 min Scan# 404

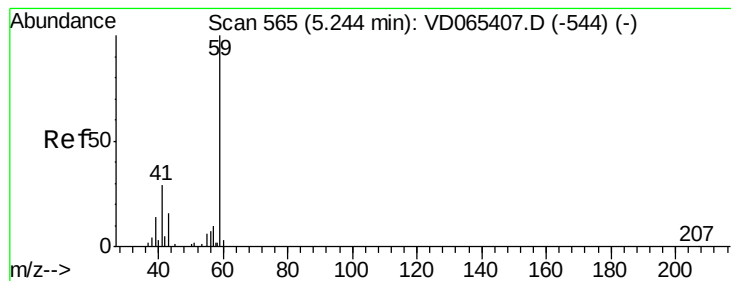
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	142	Resp:	96527
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.5	12.4	18.6





#11

Tert butyl alcohol

Concen: 95.636 ug/l m

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 59 Resp: 22151

Ion Ratio Lower Upper

59 100

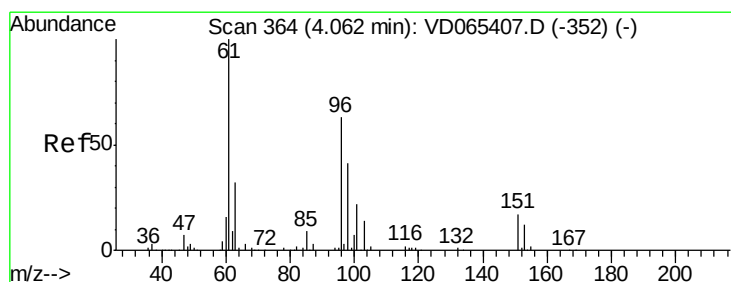
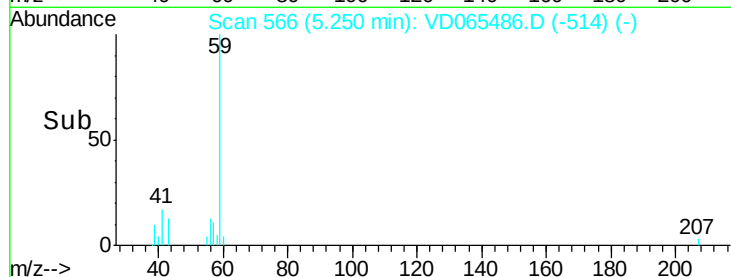
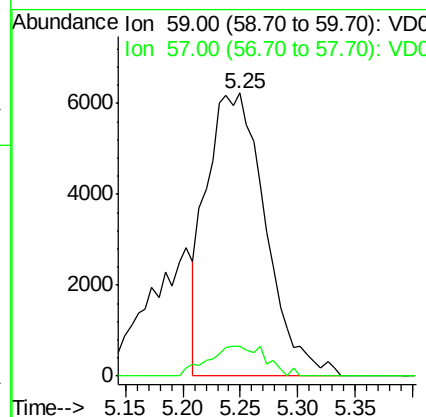
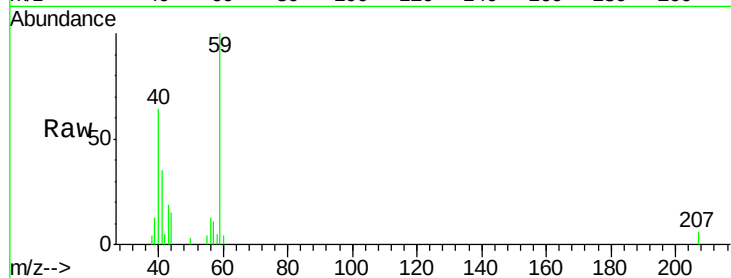
57 10.5 6.9 10.3#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 19.630 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

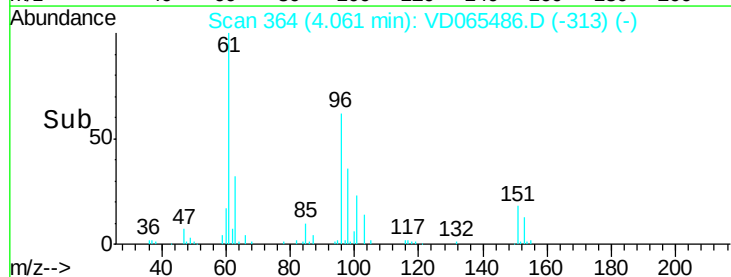
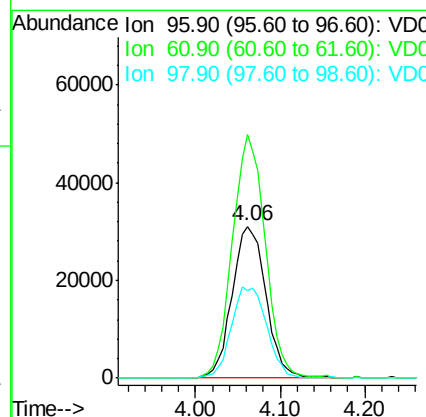
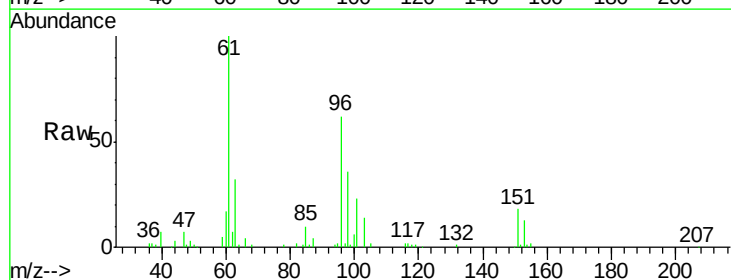
Tgt Ion: 96 Resp: 85940

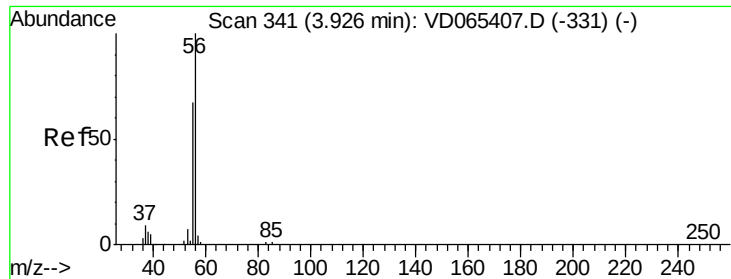
Ion Ratio Lower Upper

96 100

61 160.7 128.0 192.0

98 57.7 51.9 77.9





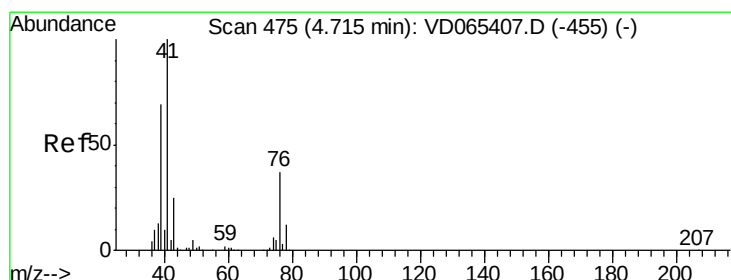
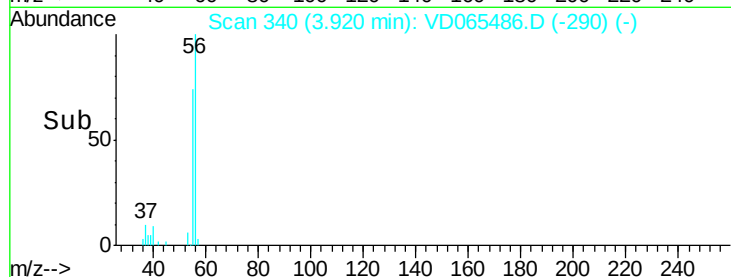
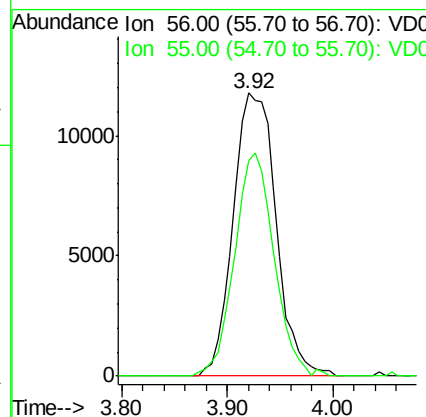
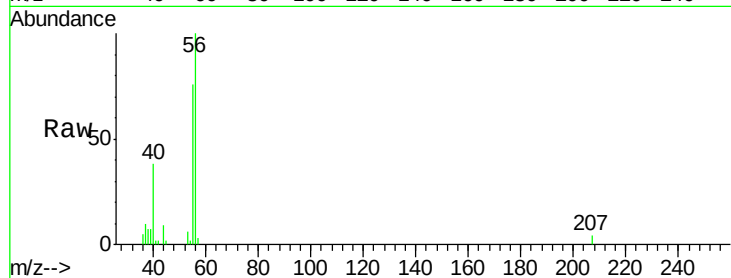
#13
 Acrolein
 Concen: 83.163 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.6	85.0

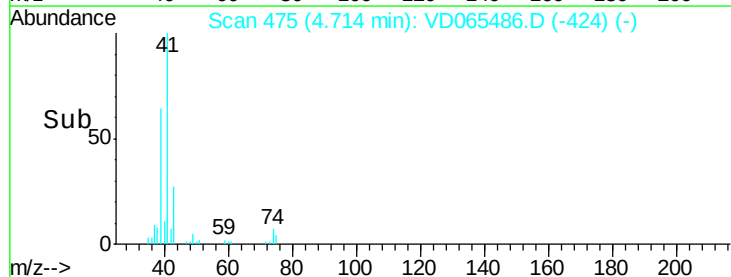
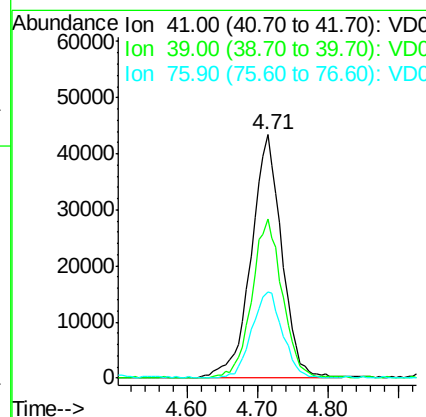
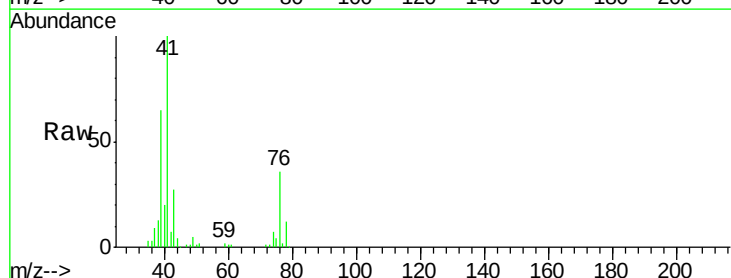
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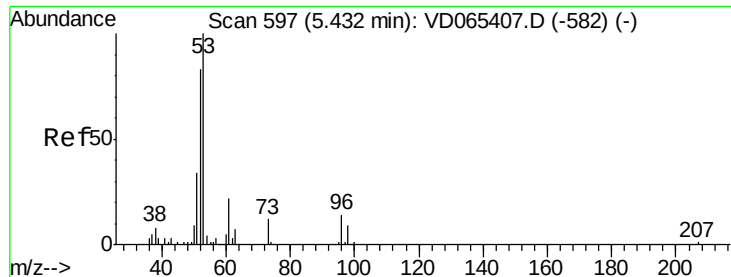
MMDadoda
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#14
 Allyl chloride
 Concen: 19.555 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	52.6	79.0
76	35.5	29.2	43.8





#15

Acrylonitrile

Concen: 105.488 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

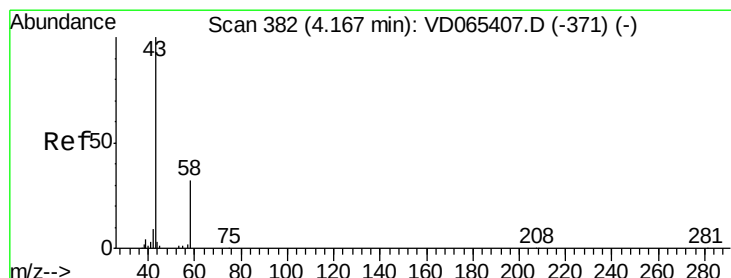
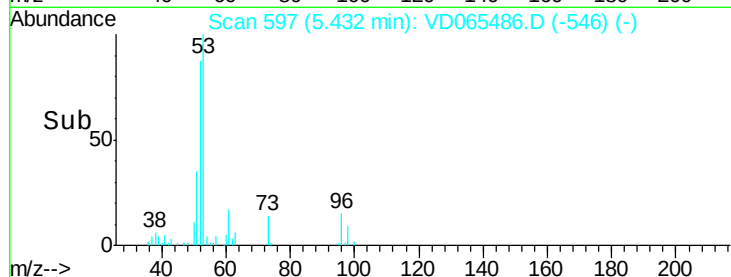
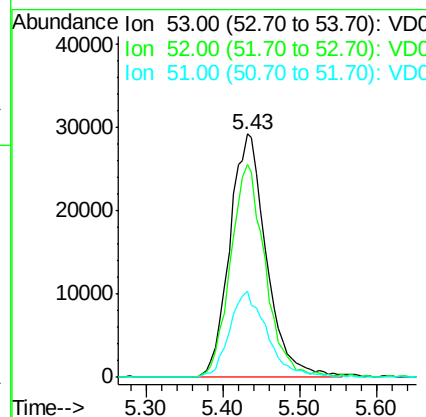
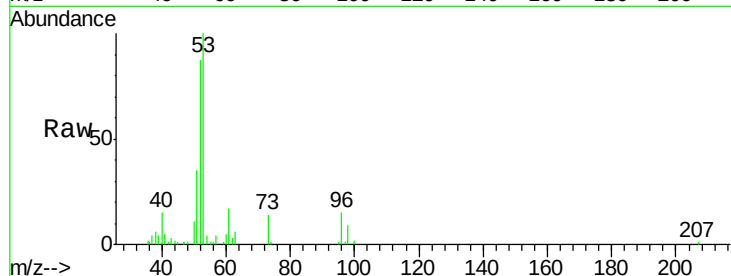
ClientSampleId :

VD0312SBSD01

Tot Ion:	53	Resp:	96881
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.1	97.7
51	36.2	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 100.463 ug/l

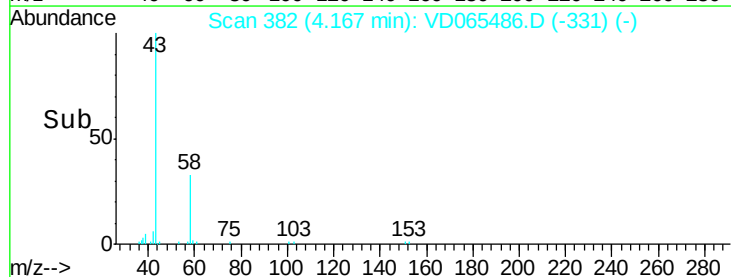
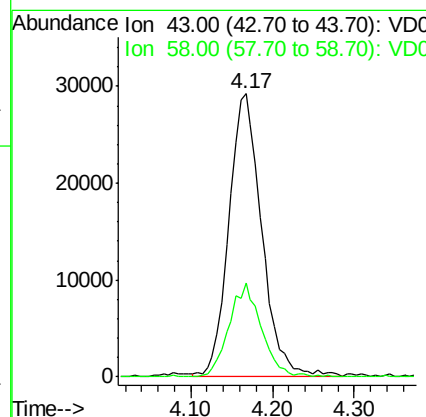
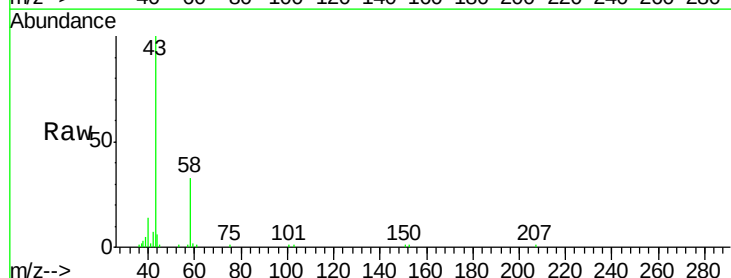
RT: 4.17 min Scan# 382

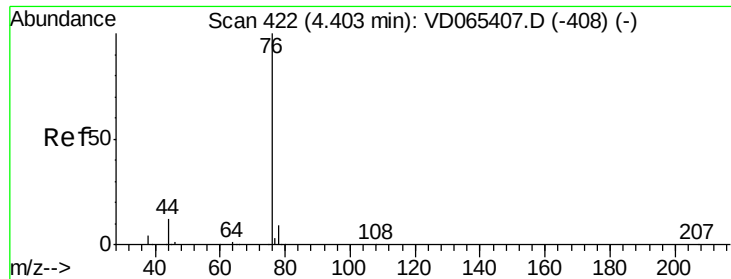
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	43	Resp:	82043
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.1	37.7





#17

Carbon Disulfide

Concen: 19.597 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

Tot Ion: 76 Resp: 285720

Ion Ratio Lower Upper

76 100

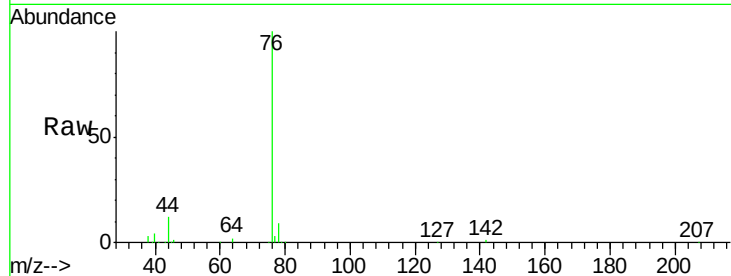
78 9.3 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

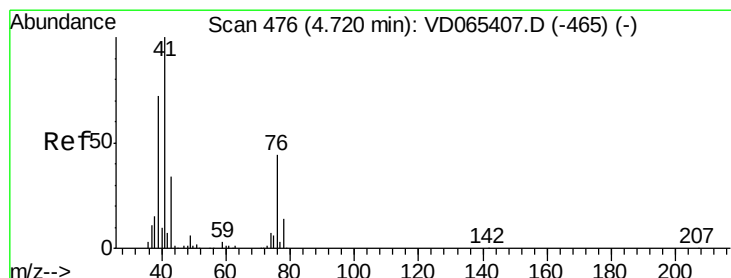
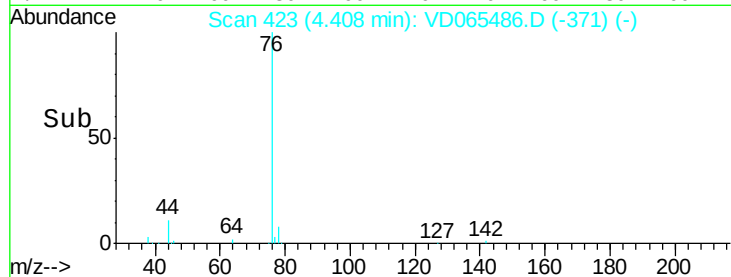
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.353 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065486.D

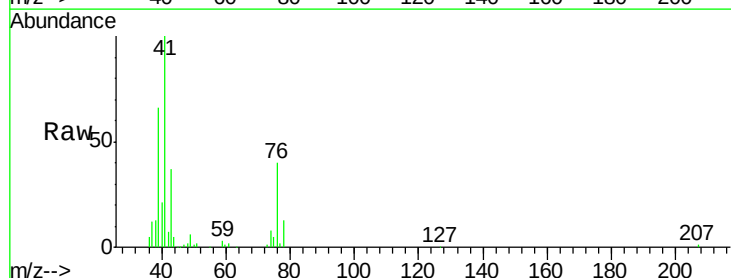
Acq: 12 Mar 2020 12:19

Tgt Ion: 43 Resp: 44234

Ion Ratio Lower Upper

43 100

74 24.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

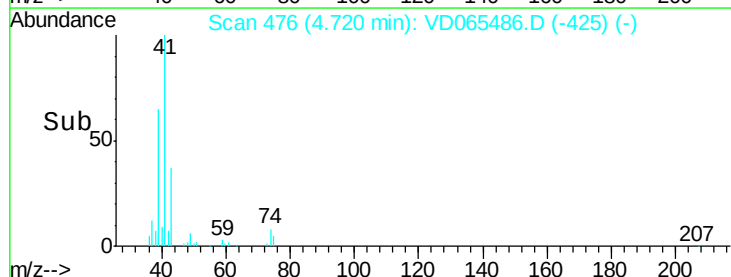
15000

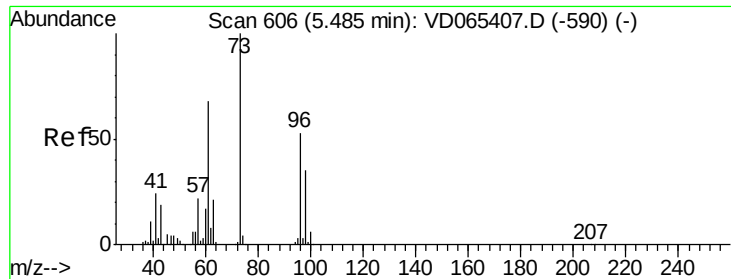
10000

5000

0

Time-->





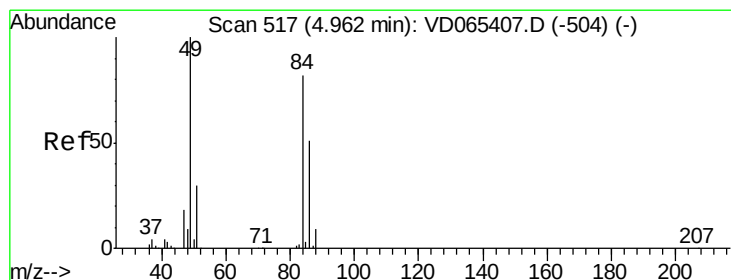
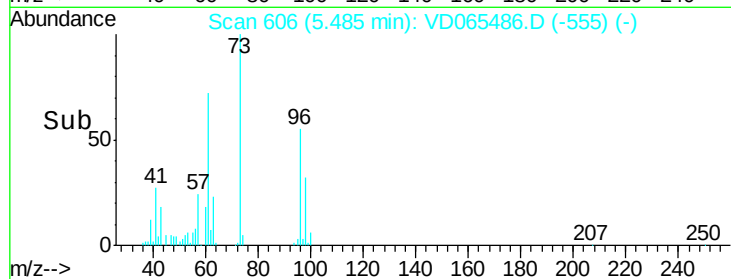
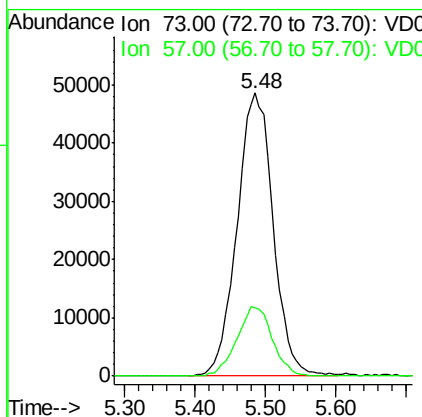
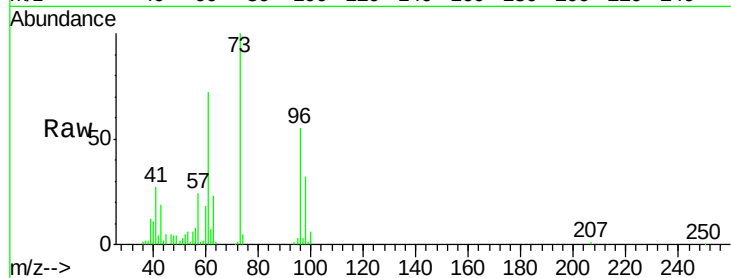
#19
Methyl tert-butyl Ether
Concen: 20.488 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 73 Resp: 172490
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

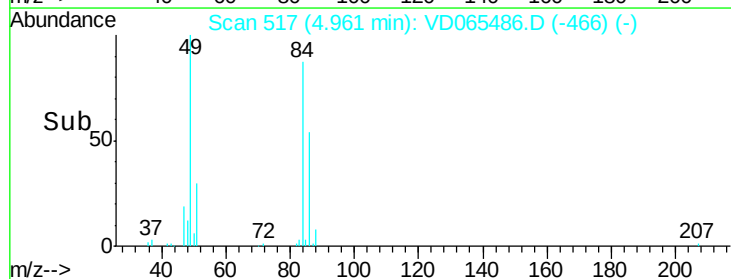
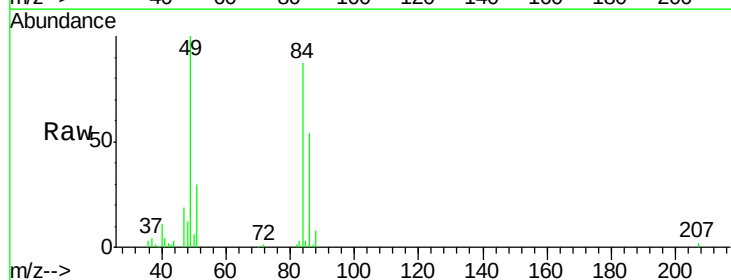
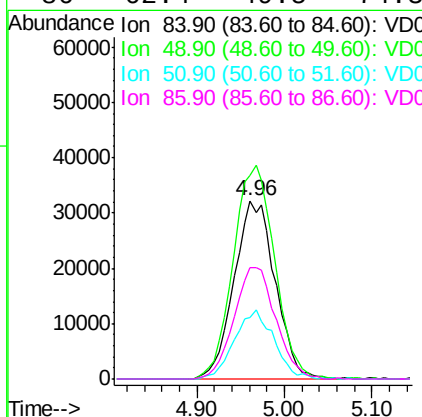
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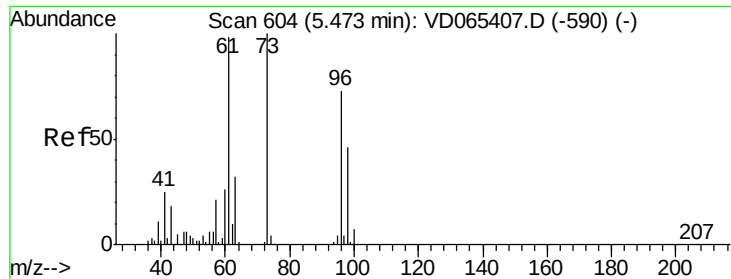
MMDadoda
3/16/2020 12:07:01 PM



#20
Methylene Chloride
Concen: 21.201 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 84 Resp: 102850
Ion Ratio Lower Upper
84 100
49 114.7 97.7 146.5
51 34.2 28.8 43.2
86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.594 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

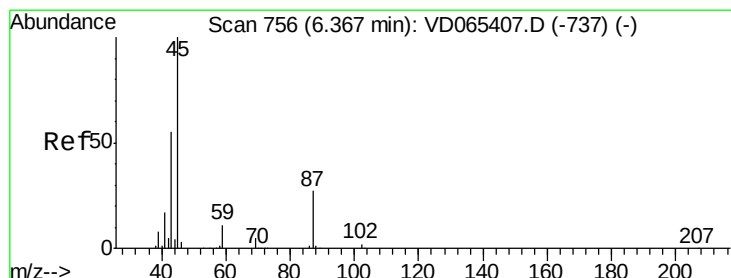
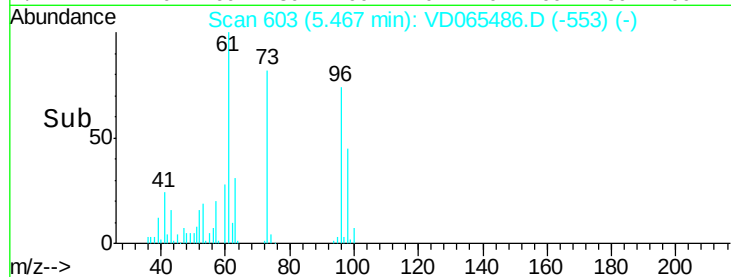
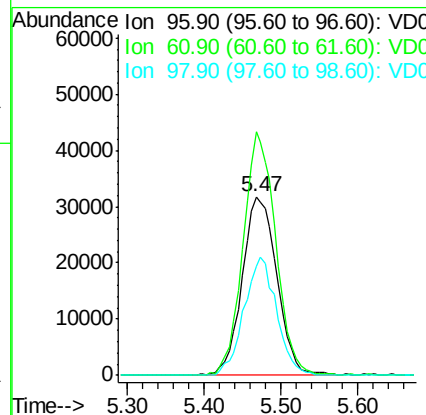
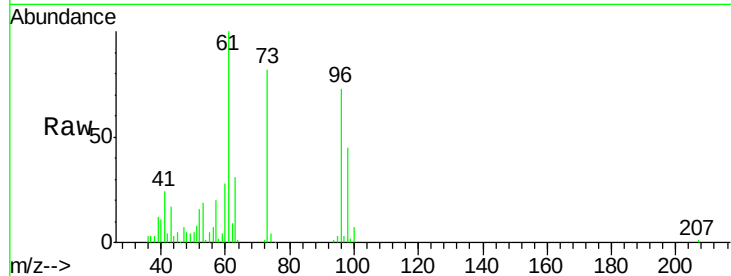
ClientSampleId :

VD0312SBSD01

Tot Ion:	96	Resp:	100296
Ion	Ratio	Lower	Upper
96	100		
61	136.2	106.3	159.5
98	61.3	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.424 ug/l

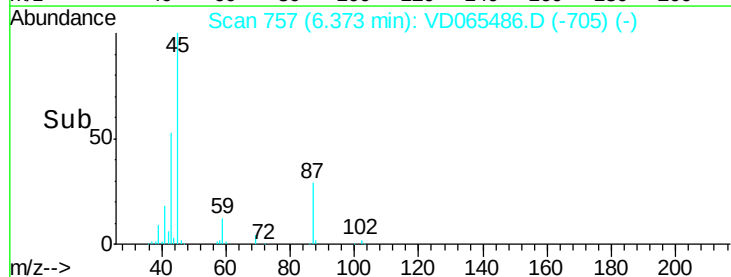
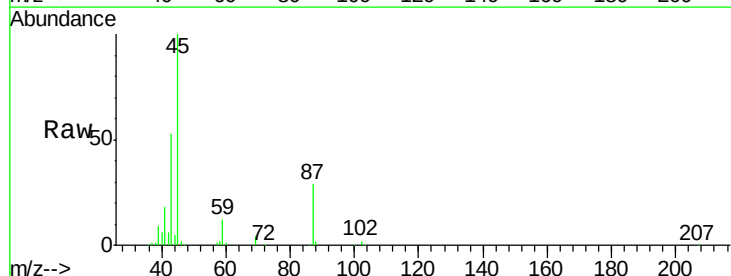
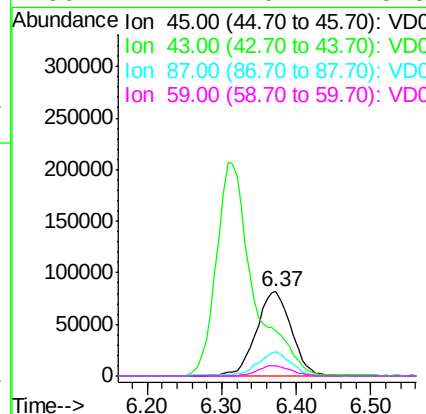
RT: 6.37 min Scan# 757

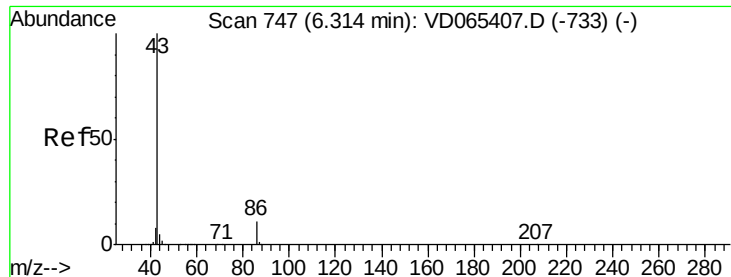
Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	45	Resp:	267837
Ion	Ratio	Lower	Upper
45	100		
43	52.0	44.4	66.6
87	28.5	21.9	32.9
59	12.4	9.2	13.8





#23

Vinyl Acetate

Concen: 102.846 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 43 Resp: 713928

Ion Ratio Lower Upper

43 100

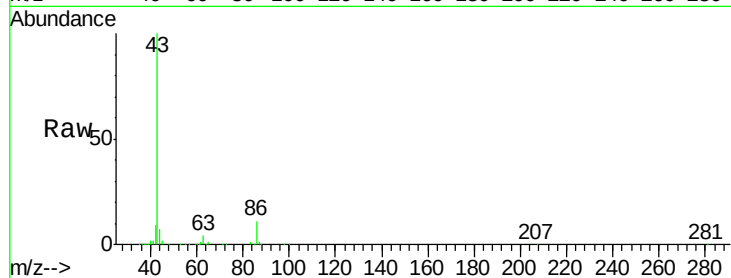
86 10.7 8.9 13.3

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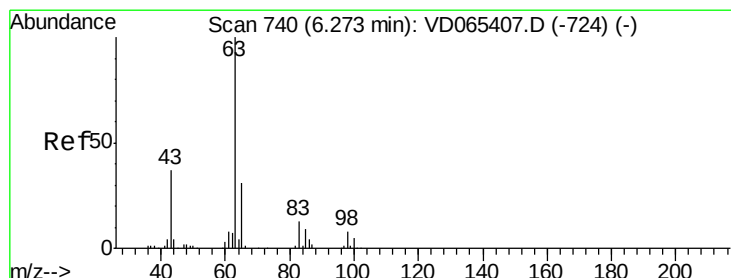
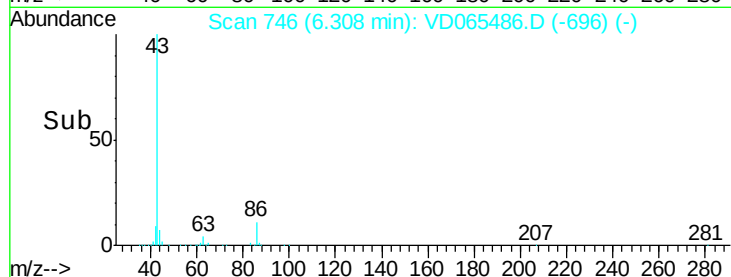
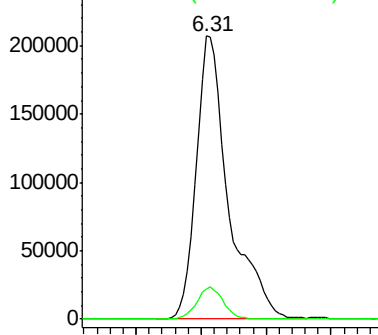
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.594 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

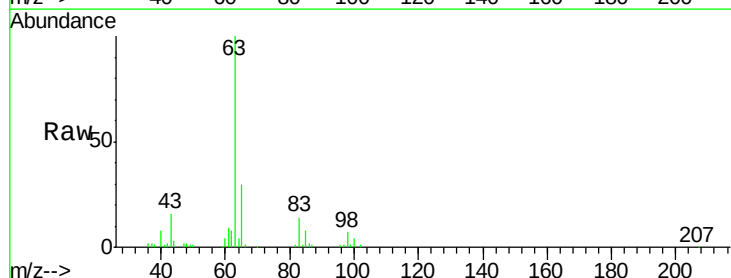
Tgt Ion: 63 Resp: 165141

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

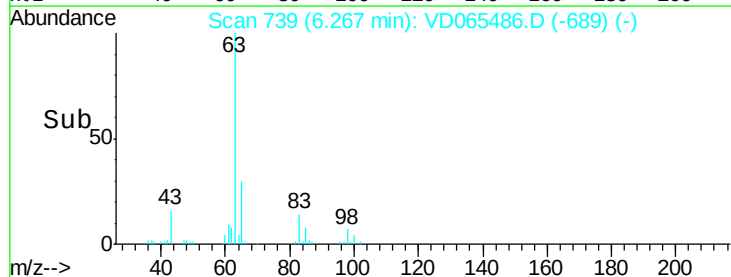
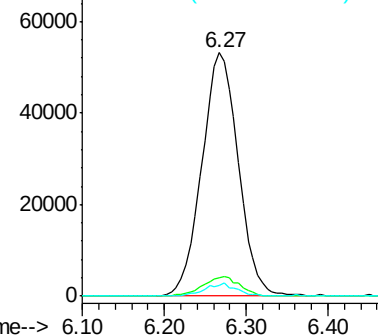
100 4.3 2.4 7.2

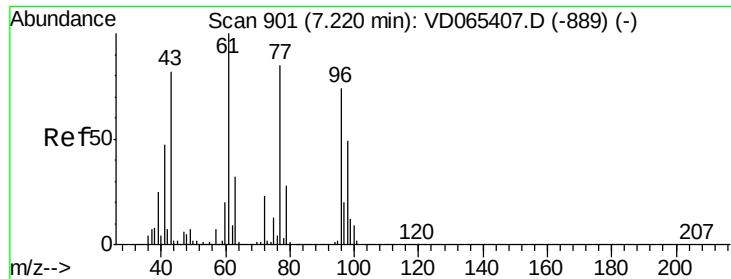


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 101.505 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 43 Resp: 113121

Ion Ratio Lower Upper

43 100

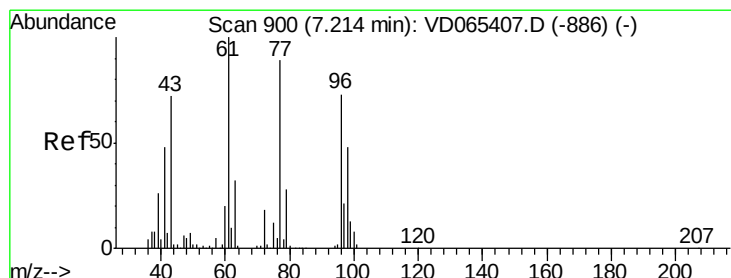
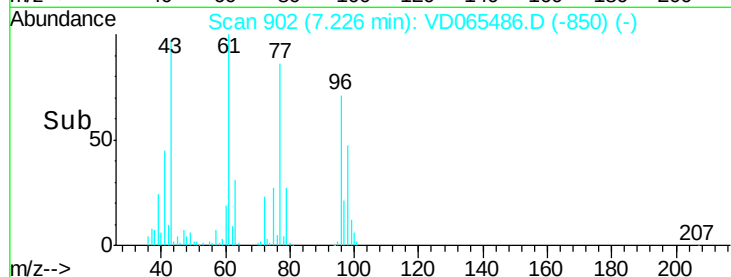
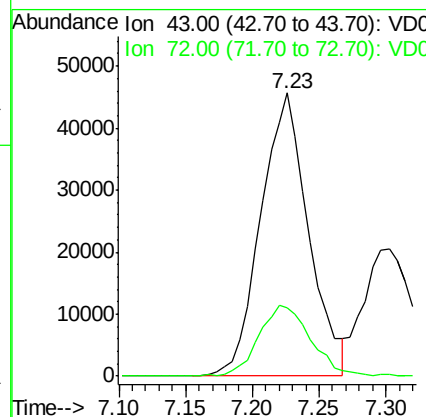
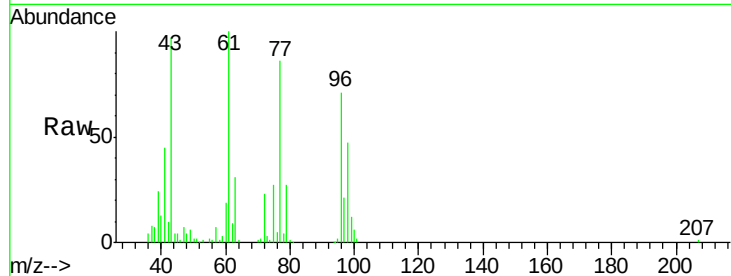
72 24.0 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.584 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065486.D

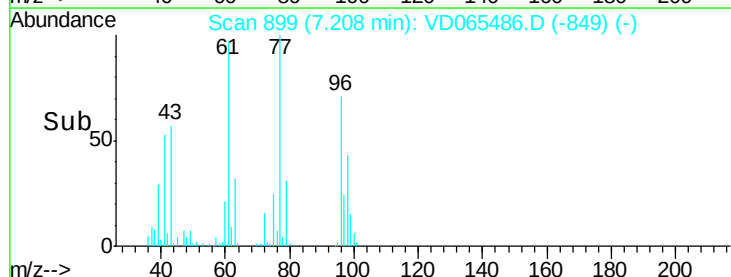
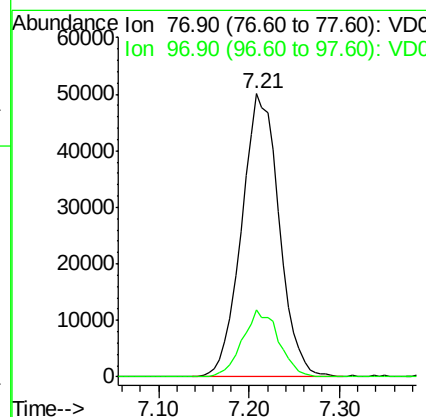
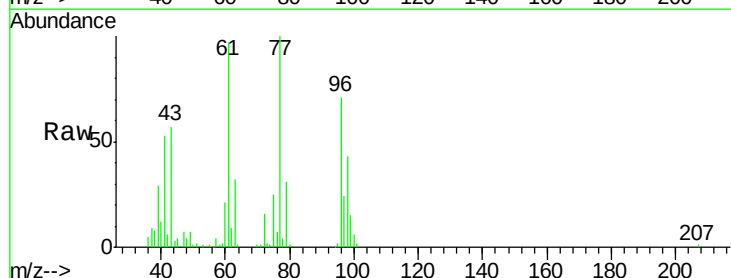
Acq: 12 Mar 2020 12:19

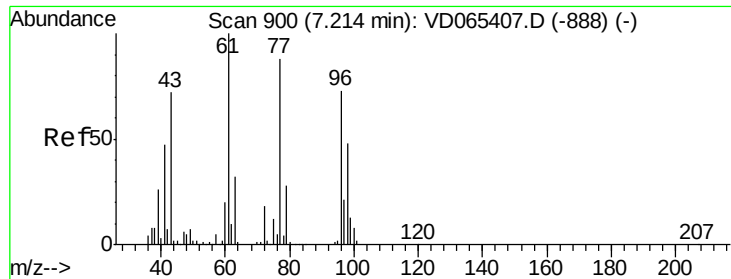
Tgt Ion: 77 Resp: 144242

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.404 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065486.D

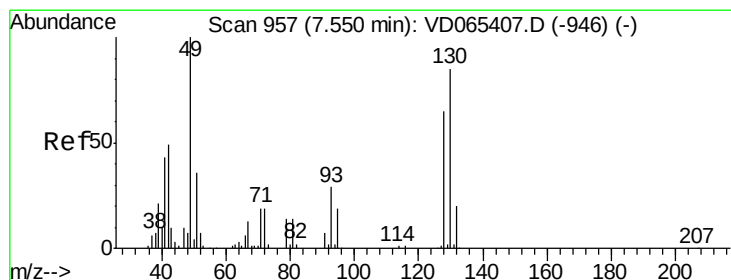
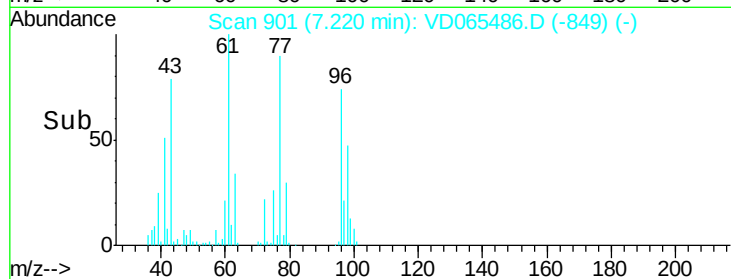
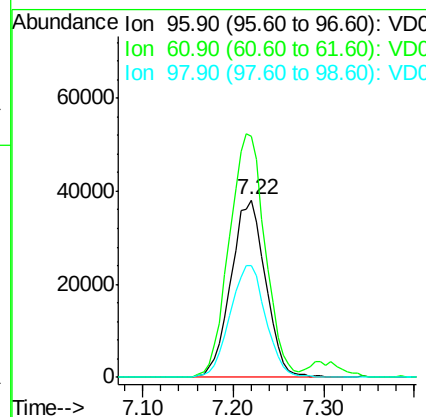
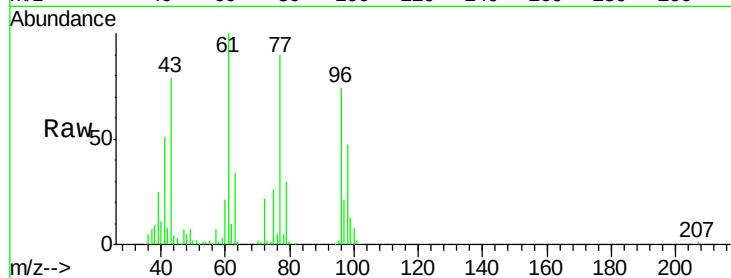
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	0.0	280.4	
98	65.1	0.0	132.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 21.403 ug/l

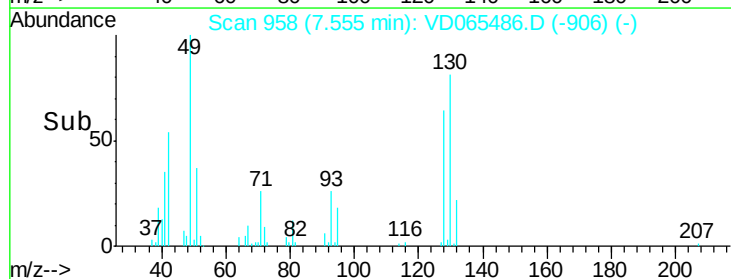
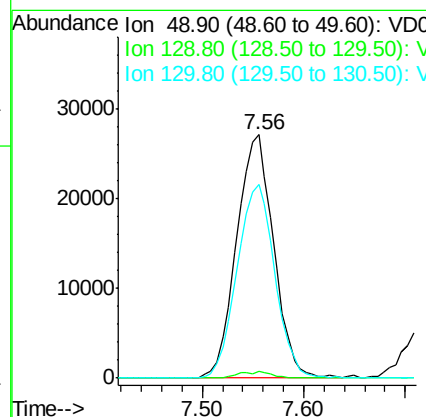
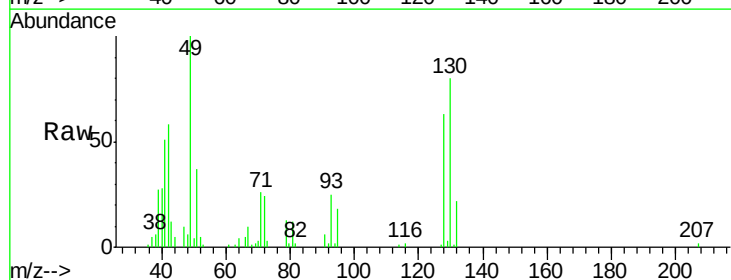
RT: 7.56 min Scan# 958

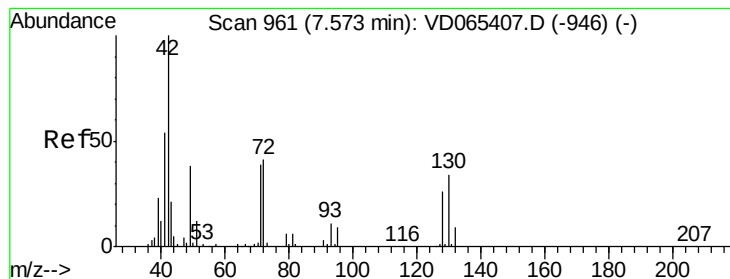
Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	4.6	
130	81.2	66.6	100.0	





#29

Tetrahydrofuran

Concen: 101.817 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

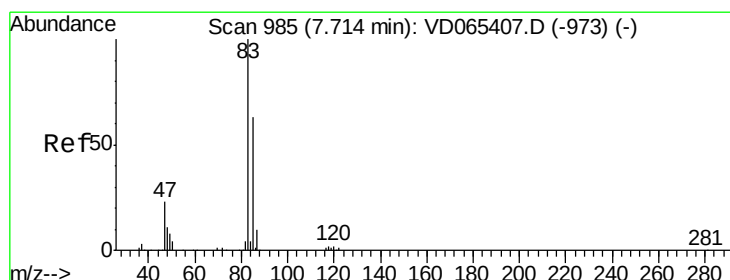
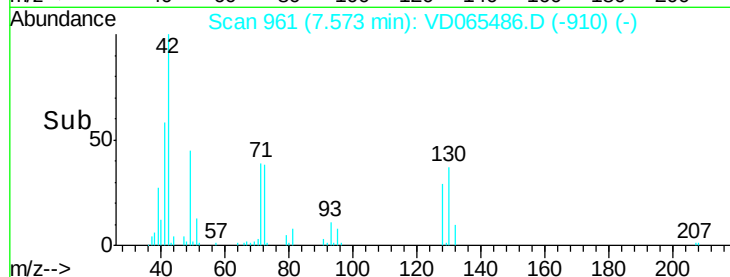
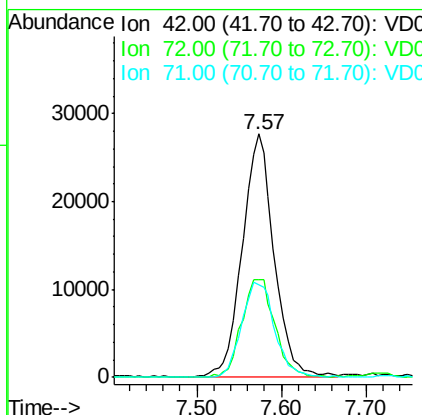
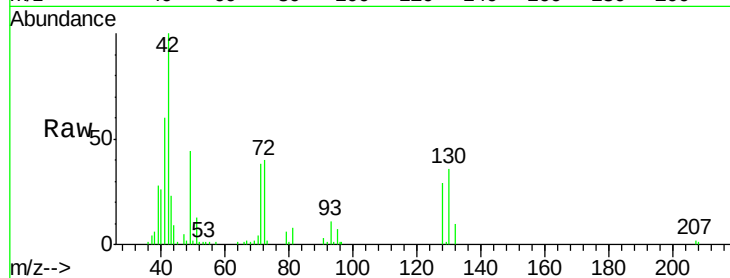
ClientSampleId :

VD0312SBS01

Tot Ion:	42	Resp:	72463
Ion Ratio	Lower	Upper	
42	100		
72	42.2	33.0	49.6
71	40.3	32.0	48.0

Manual Integrations
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#30

Chloroform

Concen: 21.304 ug/l

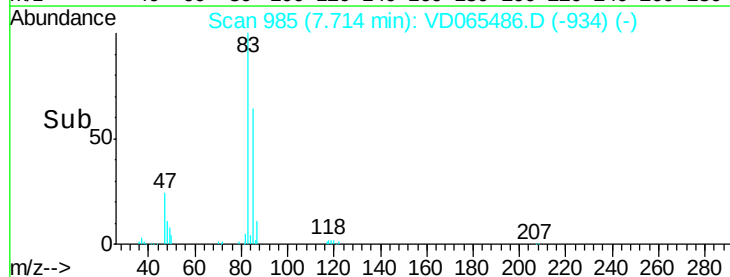
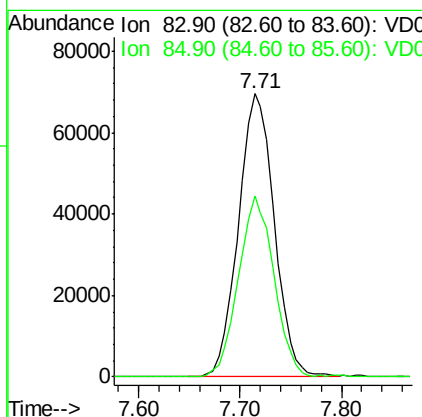
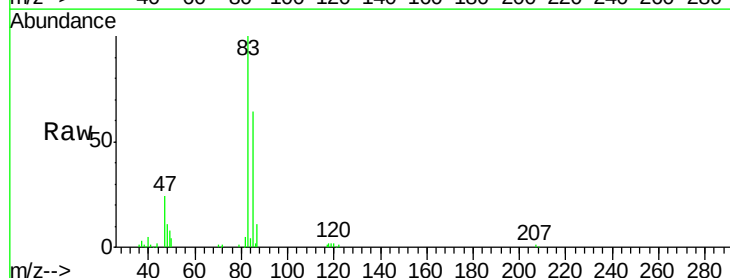
RT: 7.71 min Scan# 985

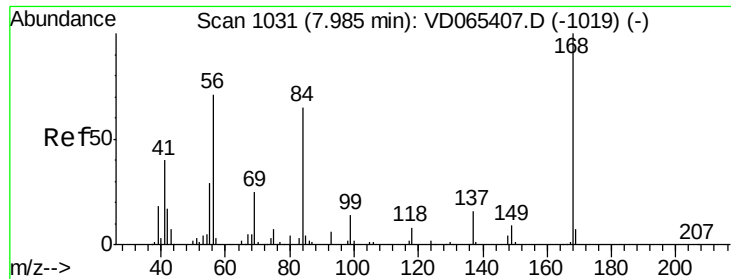
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	83	Resp:	170755
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.3	75.5





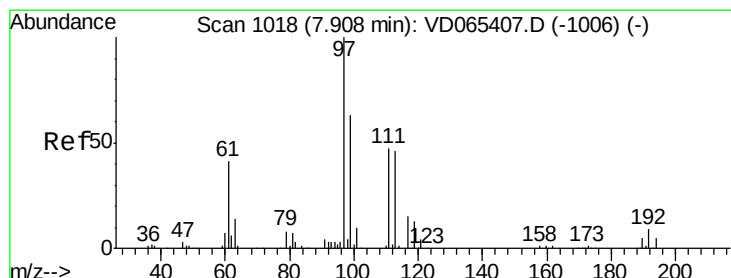
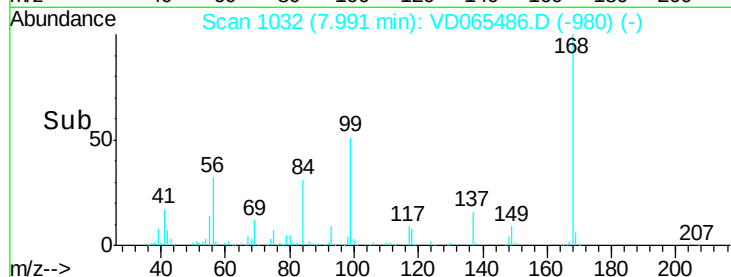
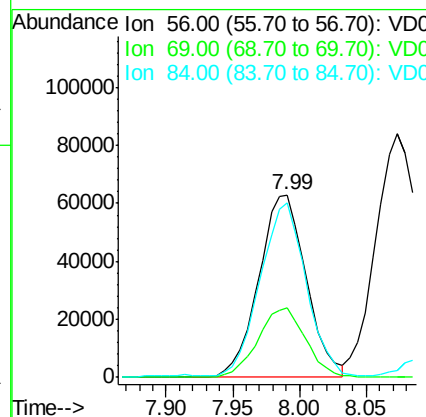
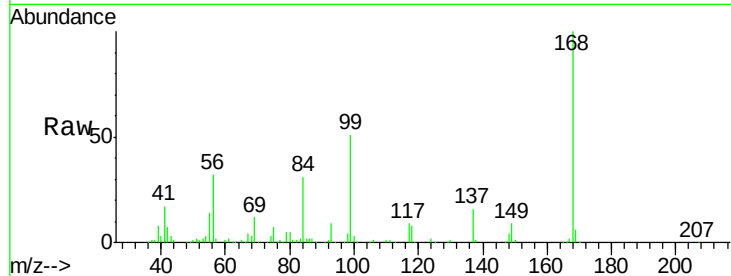
#31
Cyclohexane
Concen: 19.375 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.3	42.5
84	94.6	73.1	109.7

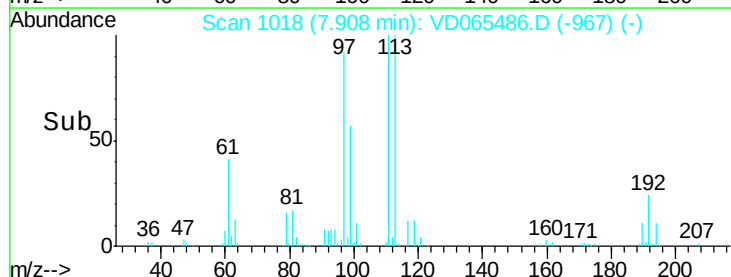
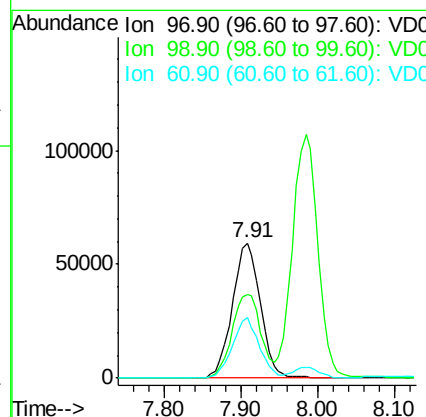
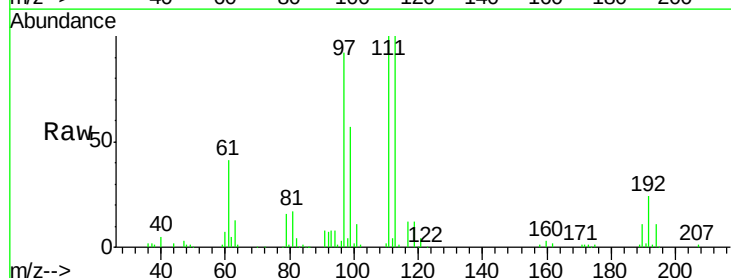
Manual Integrations
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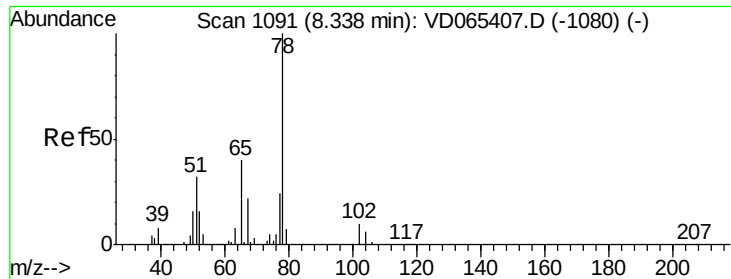
MMDadoda
3/16/2020 12:07:01 PM



#32
1,1,1-Trichloroethane
Concen: 20.443 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	42.6	33.2	49.8





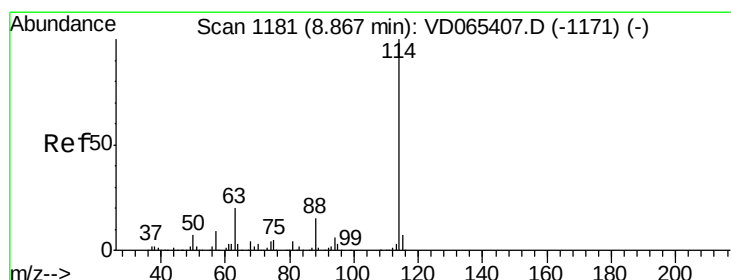
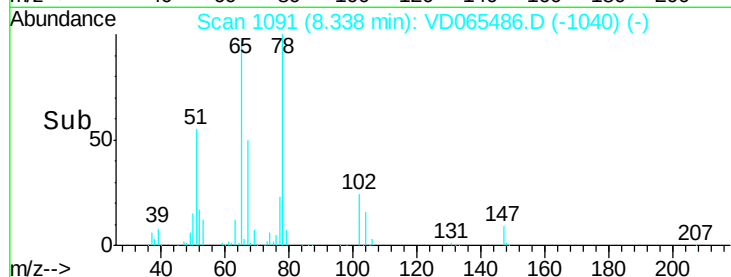
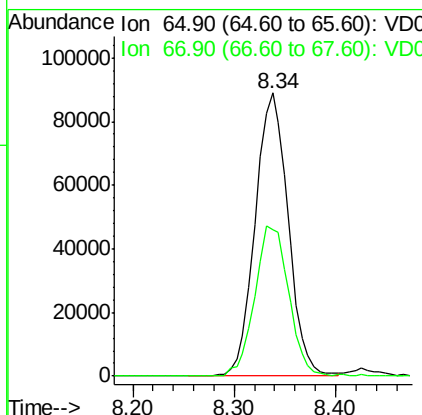
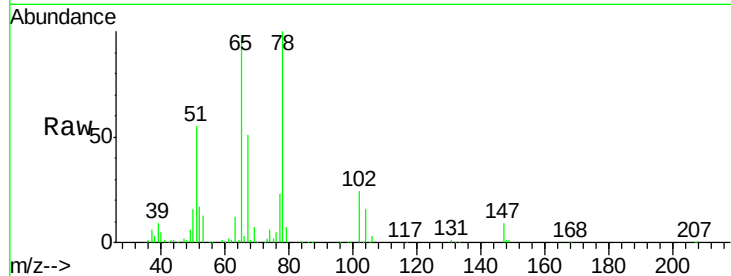
#33
 1,2-Dichloroethane-d4
 Concen: 49.733 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200824		
67	54.4	0.0	108.0	

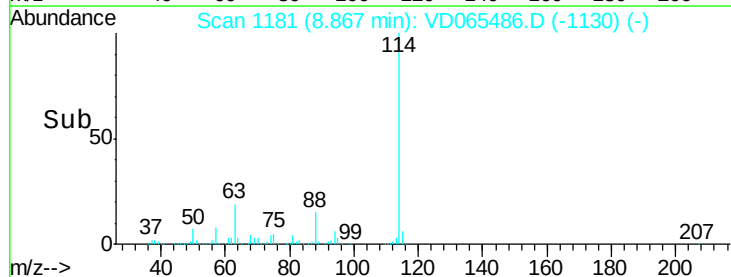
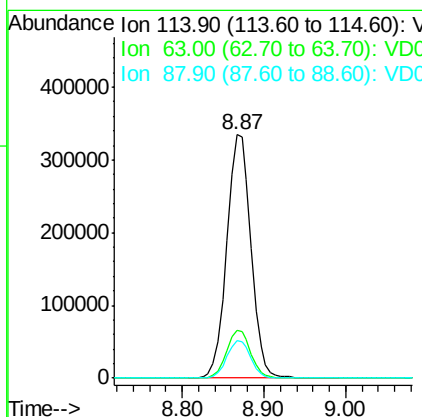
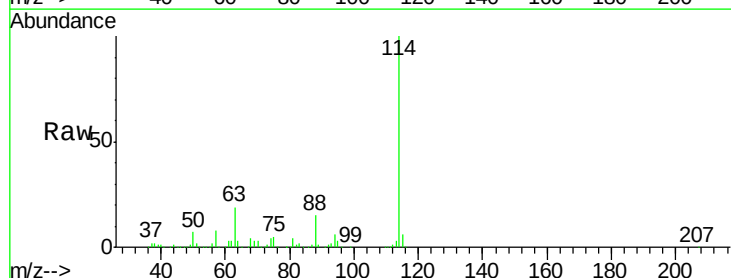
Manual Integrations
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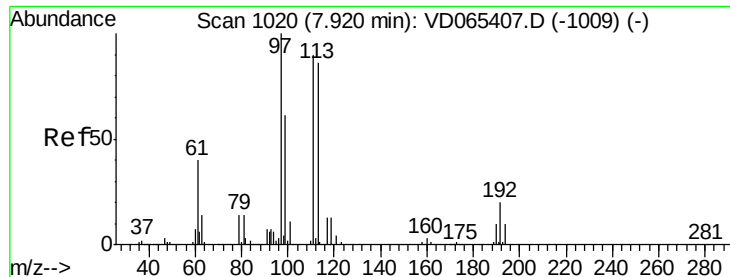
MMDadoda
 3/16/2020 12:07:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689701		
63	19.4	0.0	39.6	
88	15.5	0.0	30.4	





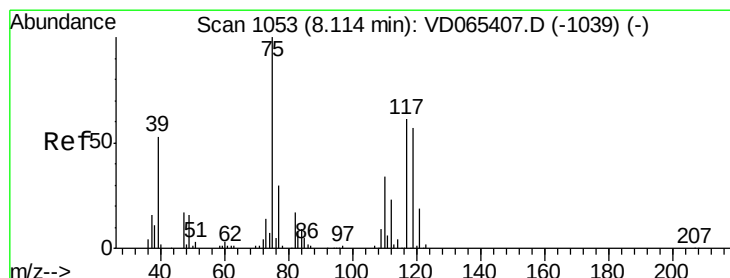
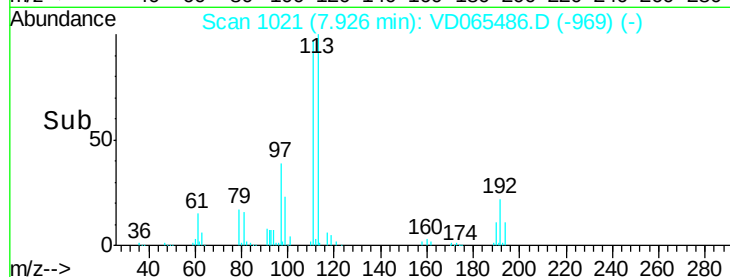
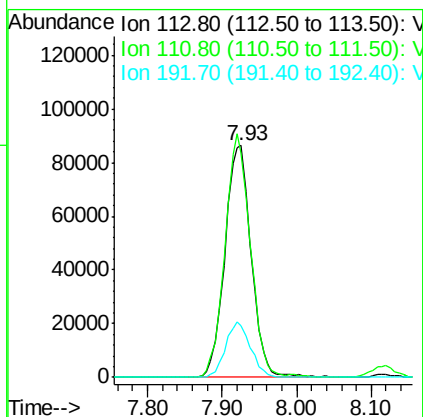
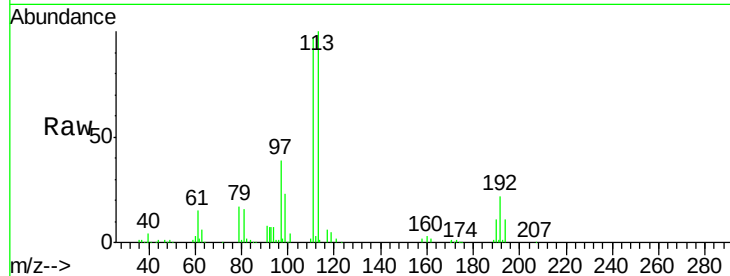
#35
 Dibromofluoromethane
 Concen: 49.605 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.1	123.1
192	22.6	17.2	25.8

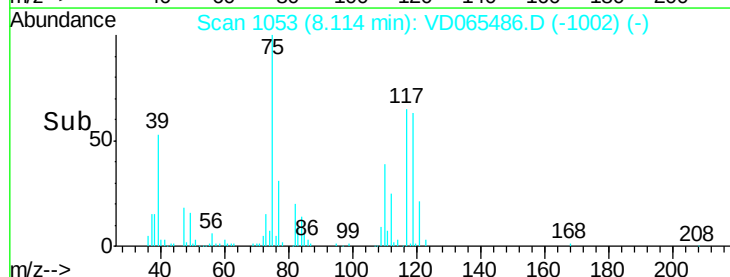
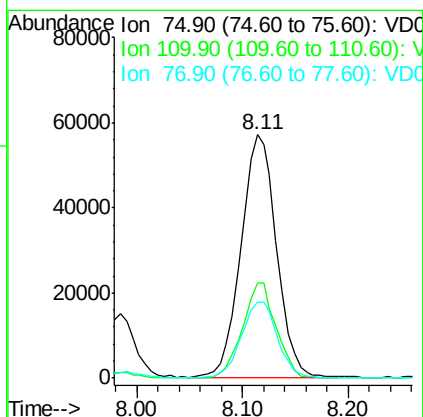
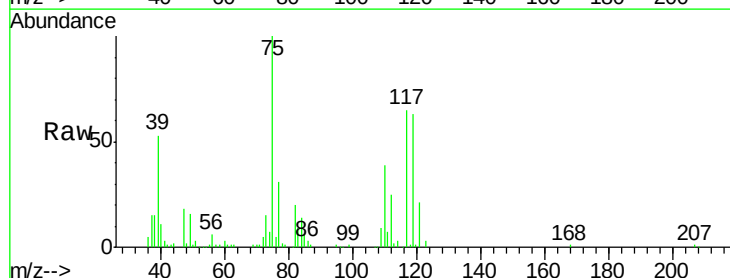
Manual Integrations
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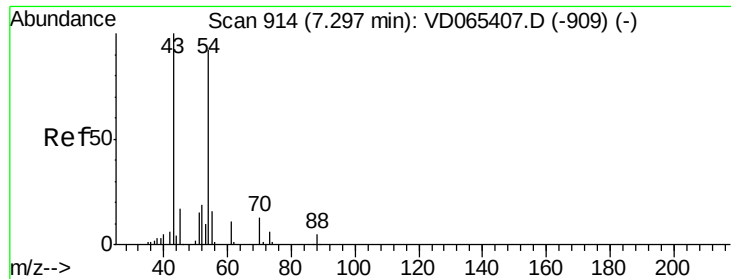
MMDadoda
 3/16/2020 12:07:01 PM



#36
 1,1-Dichloropropene
 Concen: 20.093 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.1
77	32.3	25.2	37.8





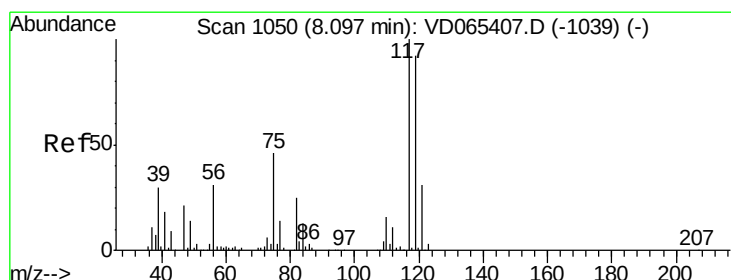
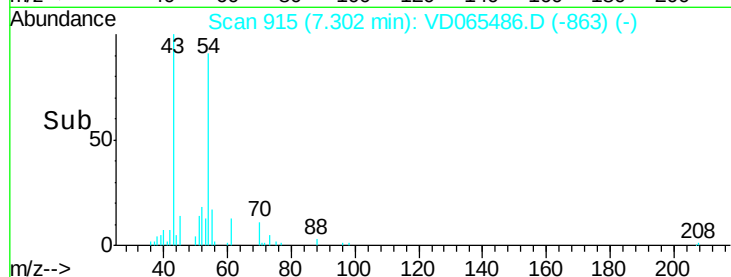
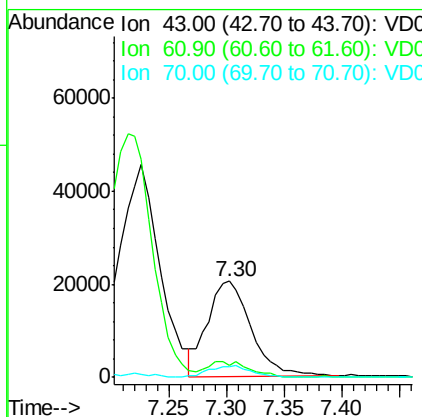
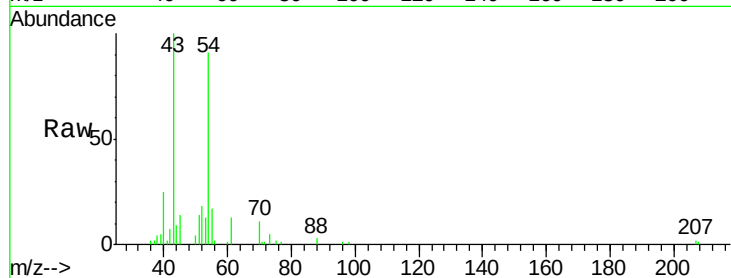
#37
Ethyl Acetate
Concen: 20.953 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.4	17.0
70	11.9	9.0	13.4

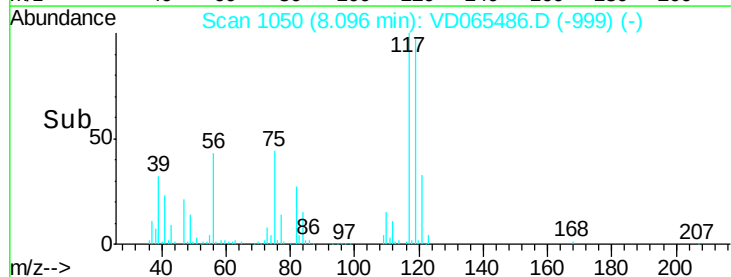
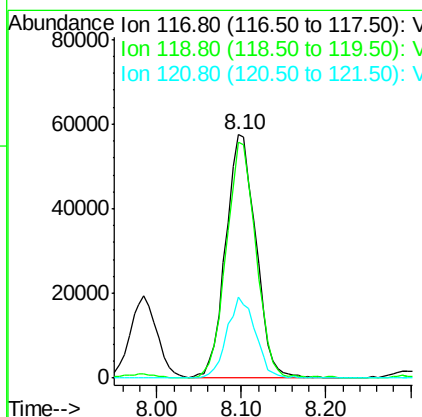
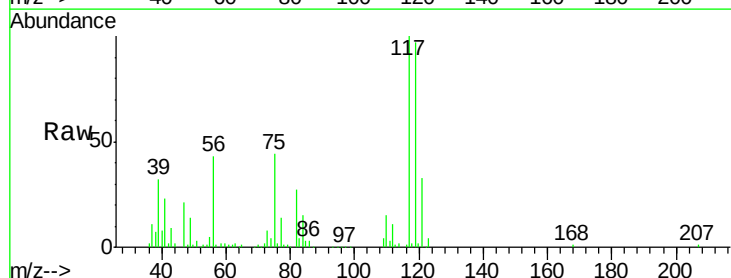
Manual Integrations
APPROVED

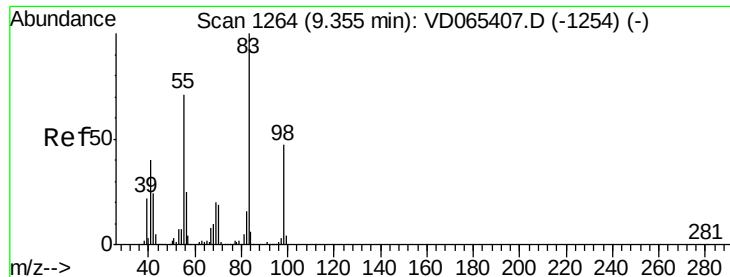
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.663 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.3	109.9
121	33.0	25.0	37.4





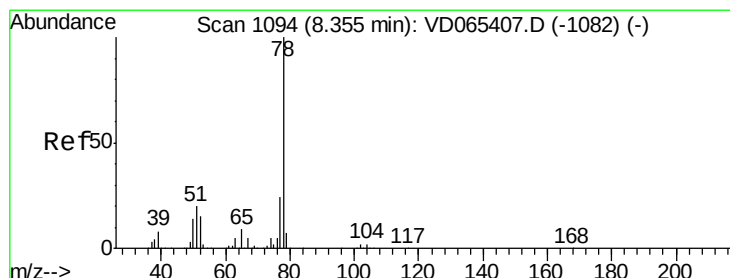
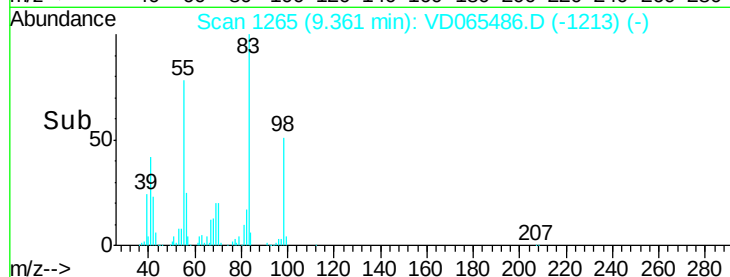
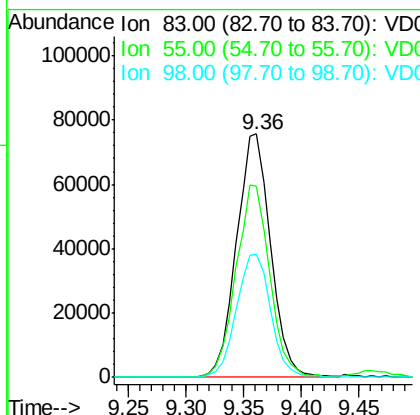
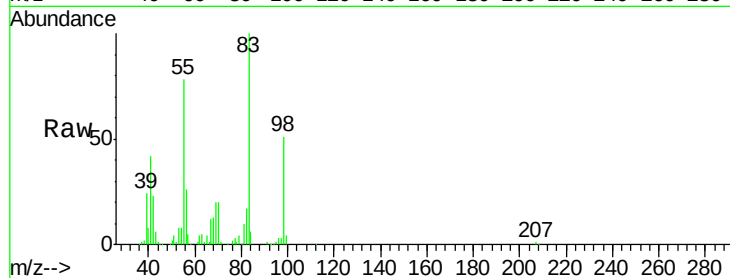
#39
Methylvlcyclohexane
Concen: 19.454 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	57.1	85.7
98	50.8	37.8	56.8

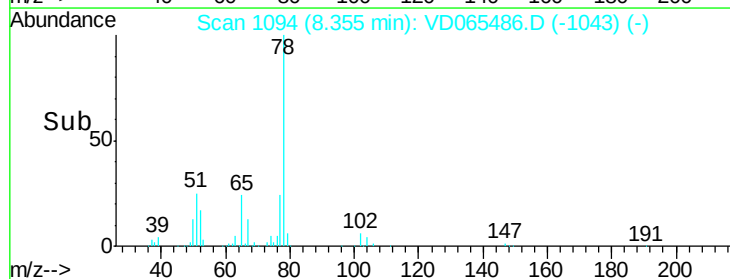
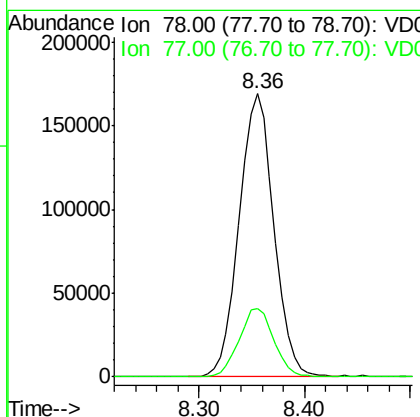
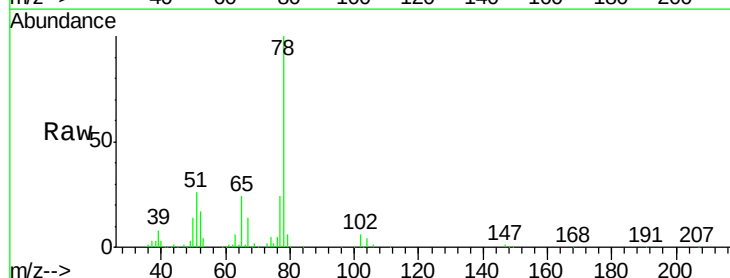
Manual Integrations
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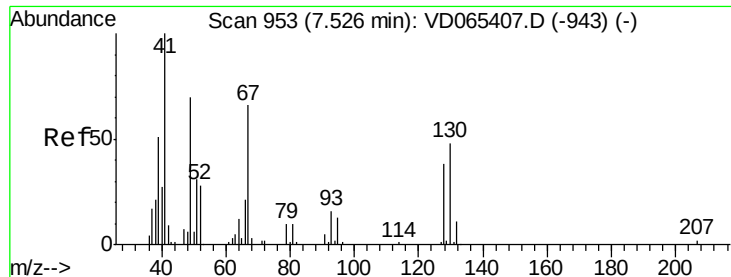
MMDadoda
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#40
Benzene
Concen: 20.867 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





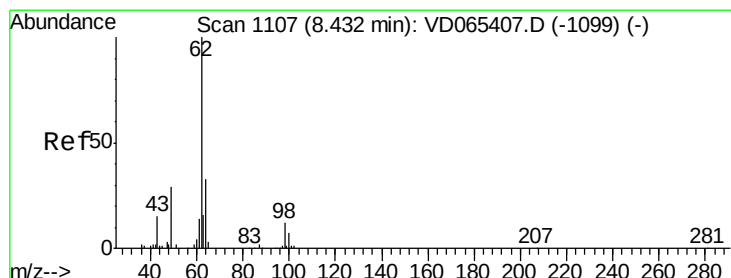
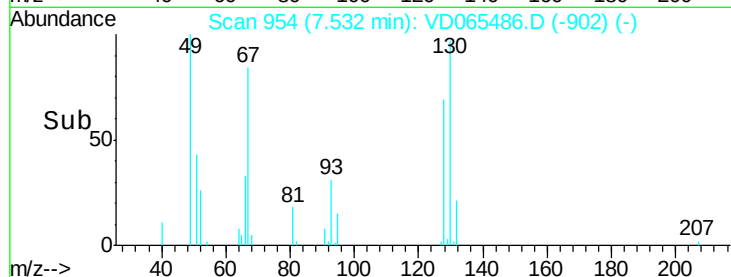
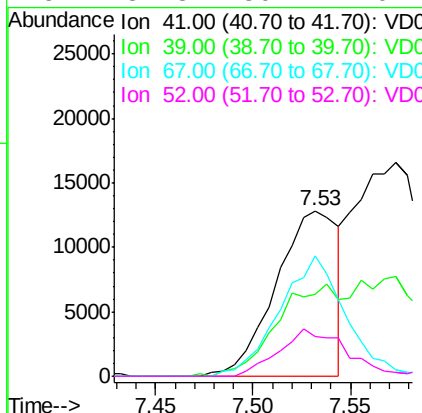
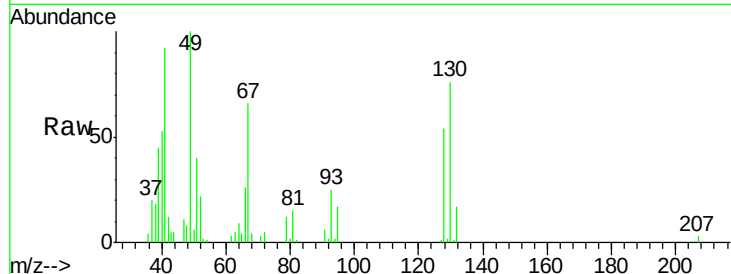
#41
Methacrylonitrile
Concen: 20.963 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	55.0	82.6#
67	77.7	70.3	105.5
52	31.3	30.7	46.1

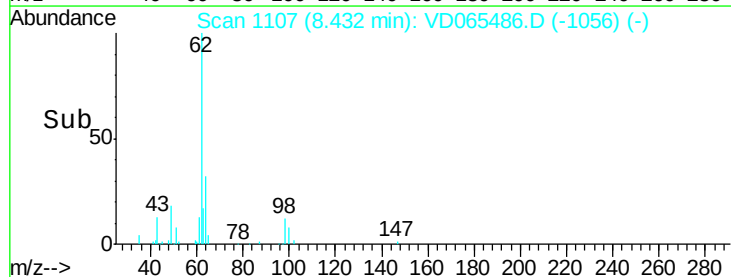
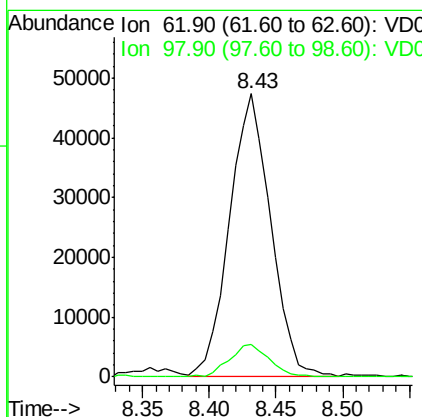
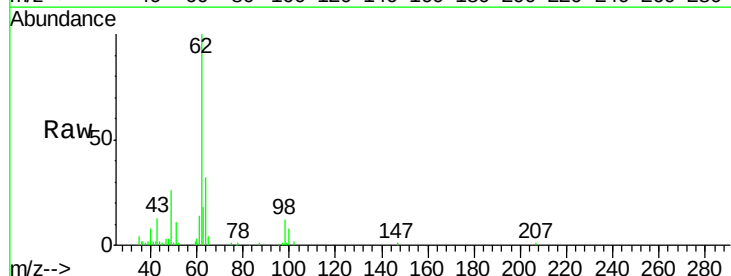
Manual Integrations
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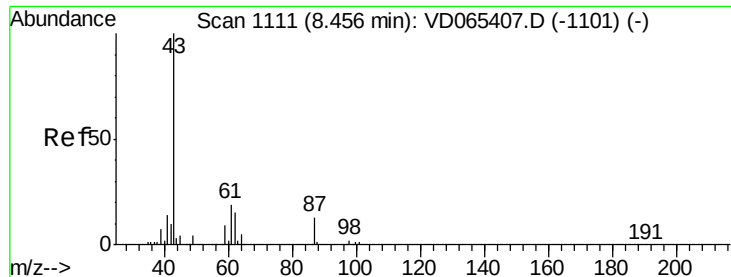
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.077 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 20.372 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

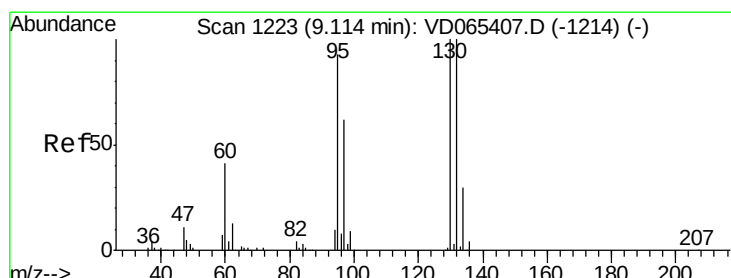
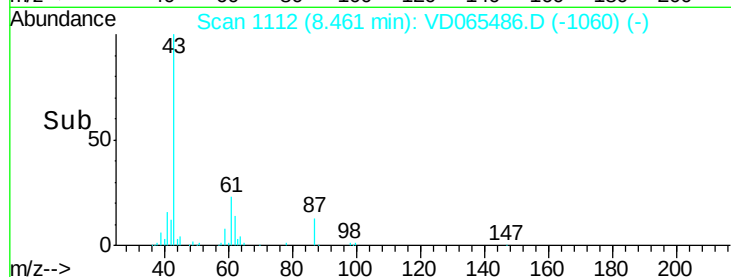
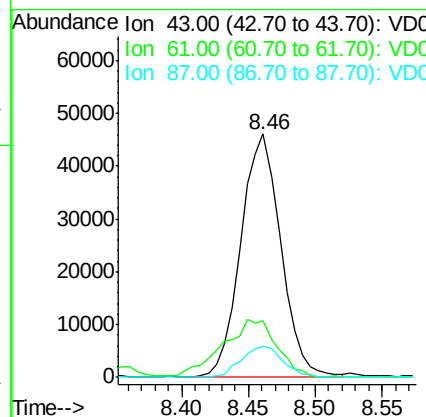
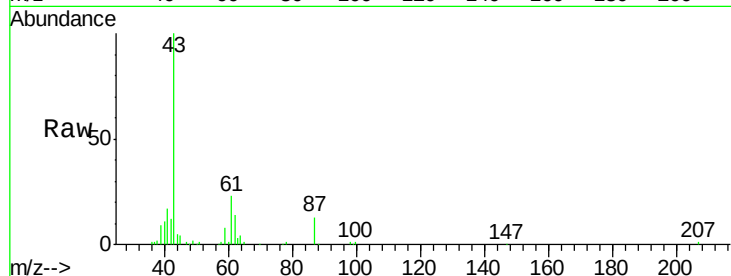
ClientSampleId :

VD0312SBS01

Tot Ion:	43	Resp:	96123
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.0	37.6
87	13.3	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.540 ug/l

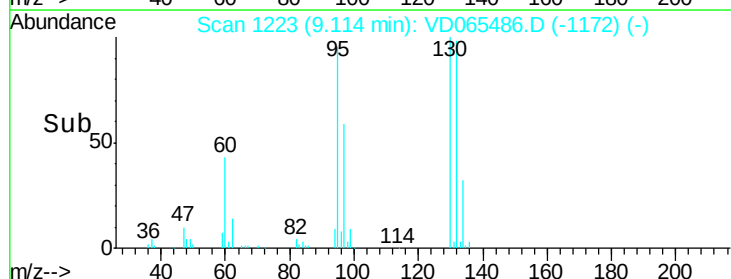
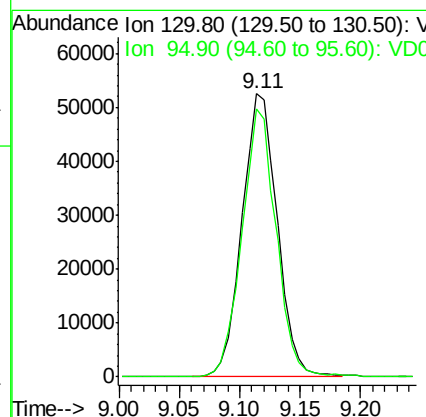
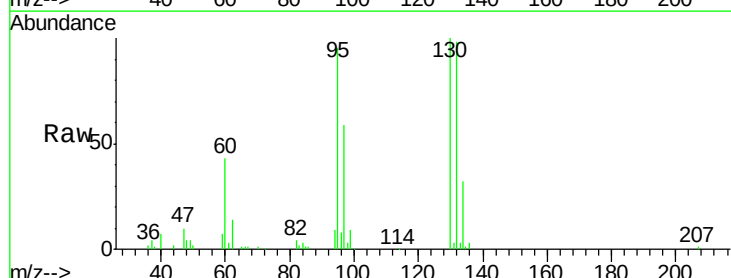
RT: 9.11 min Scan# 1223

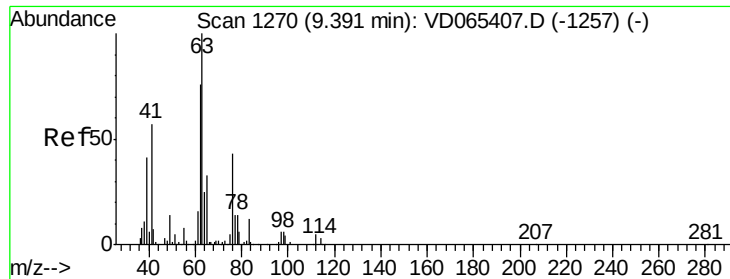
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	130	Resp:	107223
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	186.0





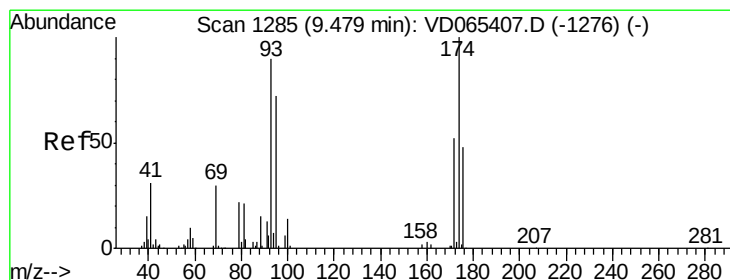
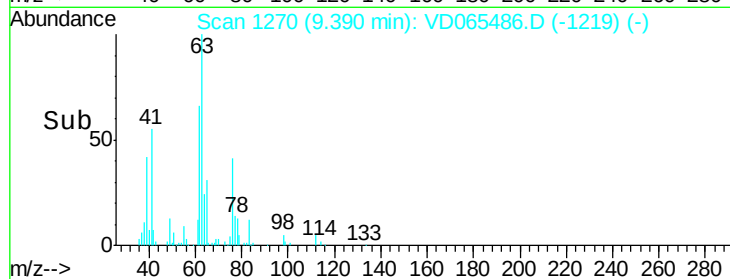
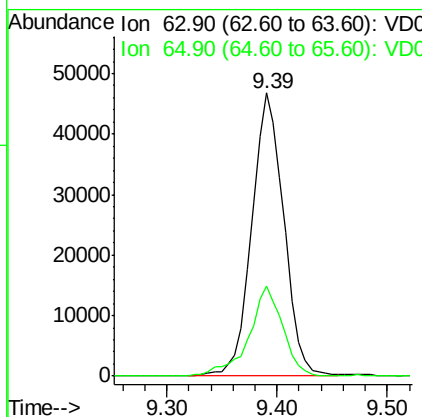
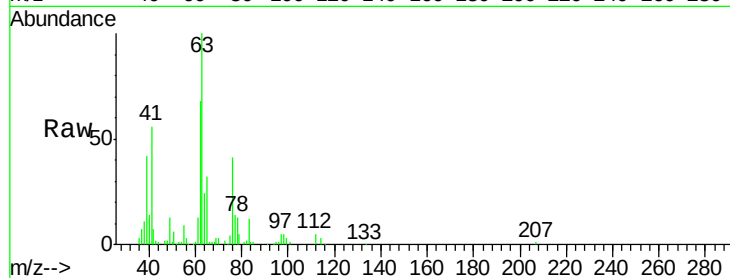
#45
 1,2-Dichloropropane
 Concen: 21.280 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	26.4	39.6

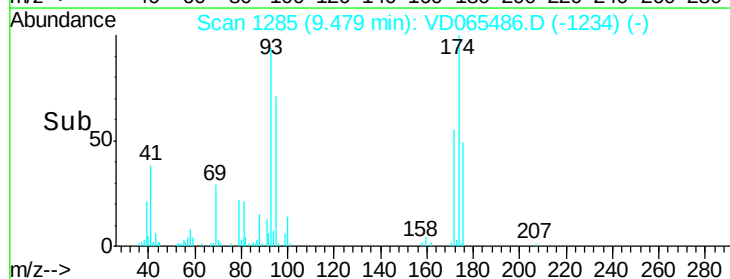
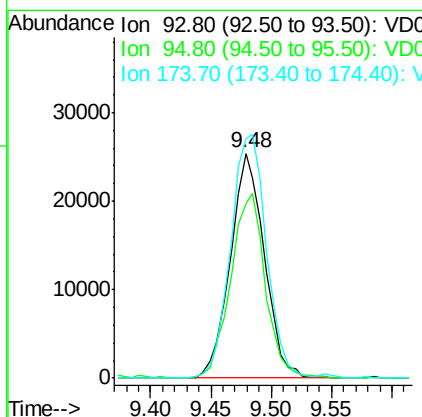
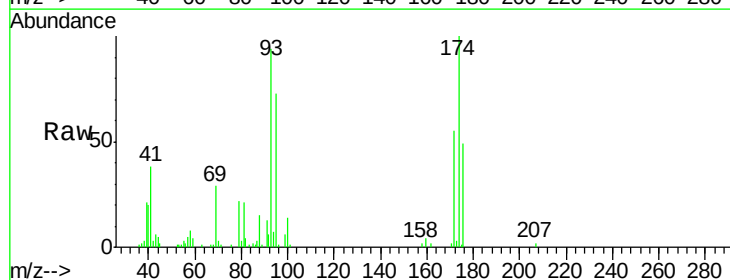
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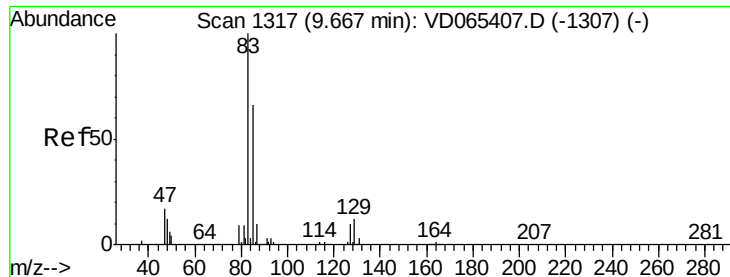
MMDadoda
 3/16/2020 12:07:01 PM



#46
 Dibromomethane
 Concen: 21.464 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	113.8	88.3	132.5





#47

Bromodichloromethane

Concen: 21.403 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

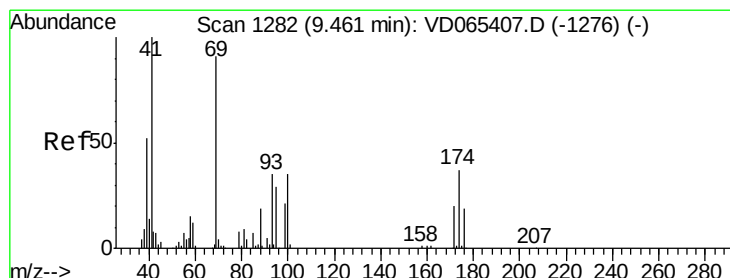
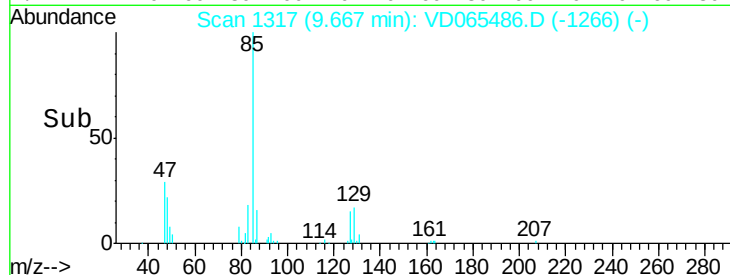
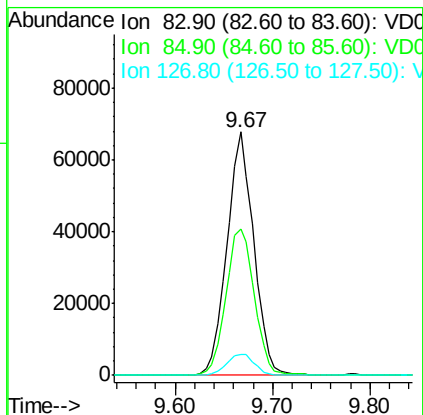
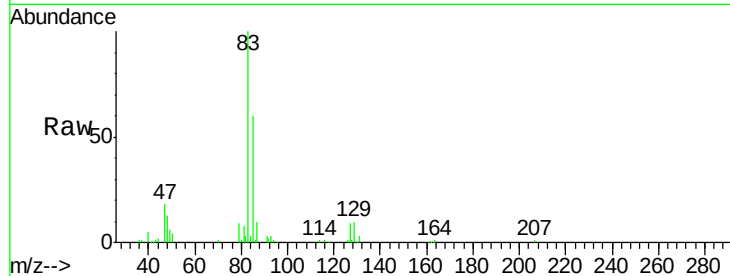
ClientSampleId :

VD0312SBSD01

Tot Ion:	83	Resp:	129323
Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.8	79.2
127	8.7	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.856 ug/l

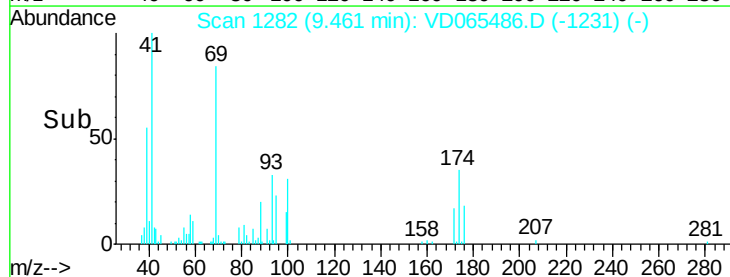
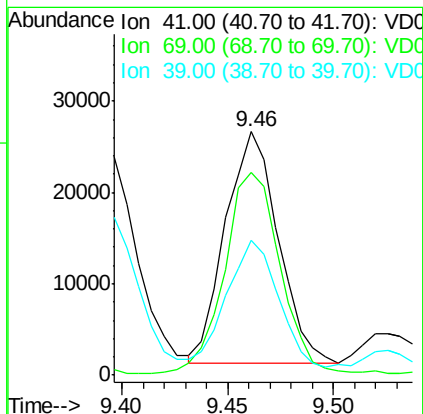
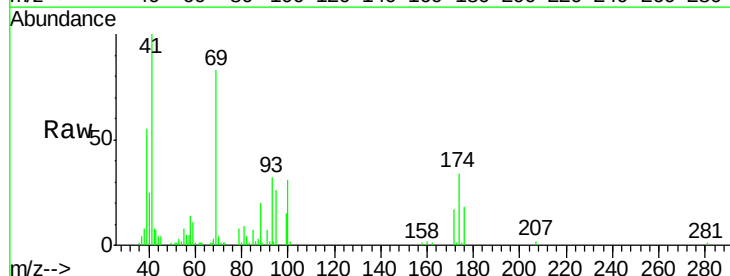
RT: 9.46 min Scan# 1282

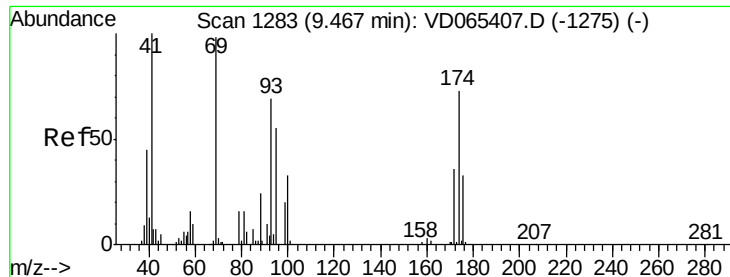
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	41	Resp:	44068
Ion	Ratio	Lower	Upper
41	100		
69	94.2	72.5	108.7
39	54.2	41.6	62.4





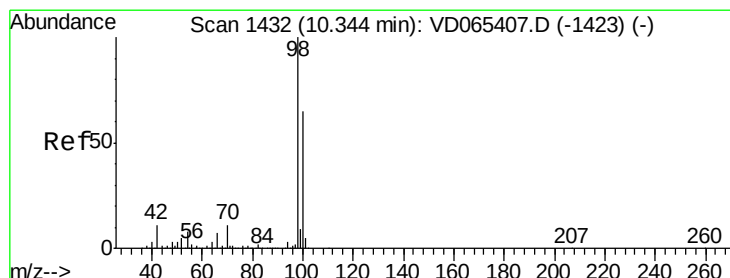
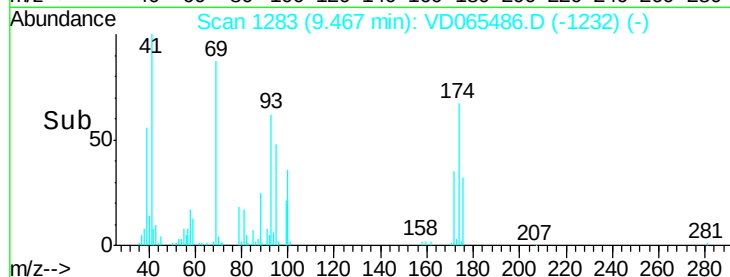
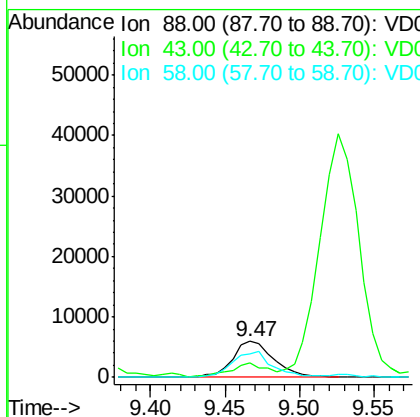
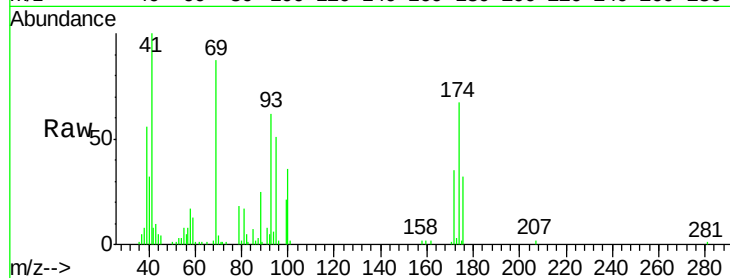
#49
1,4-Dioxane
Concen: 429.561 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	88	Resp	11412
Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.5	36.7
58	69.1	54.5	81.7

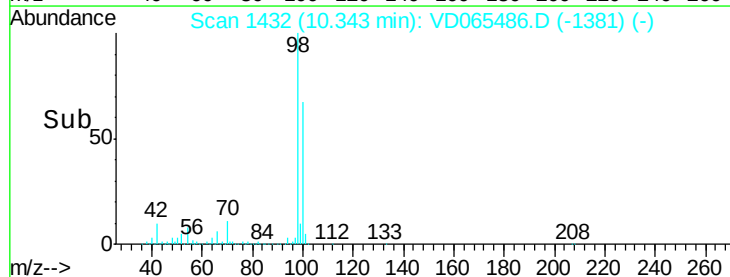
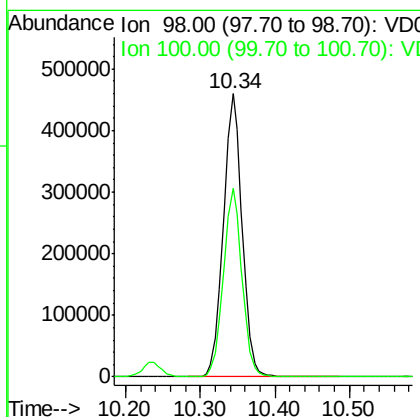
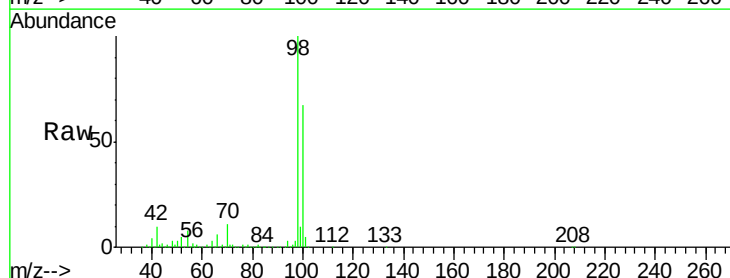
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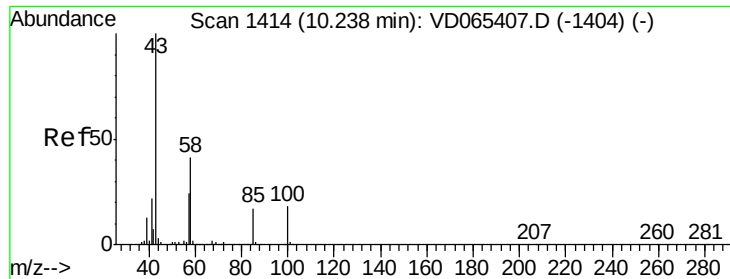
MMDadoda
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#50
Toluene-d8
Concen: 49.447 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	98	Resp	809090
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





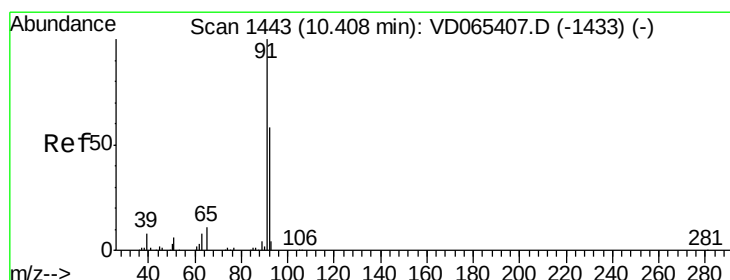
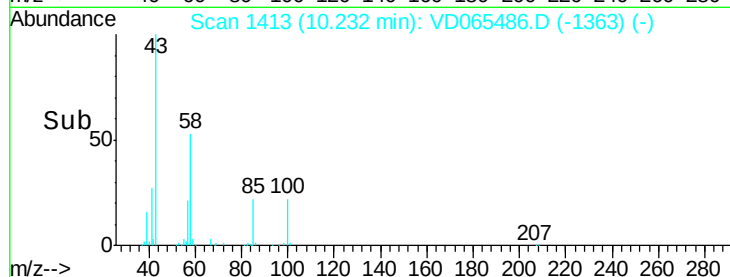
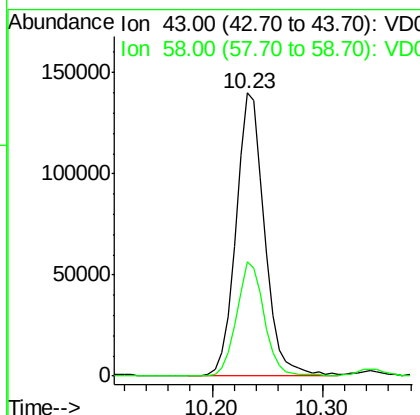
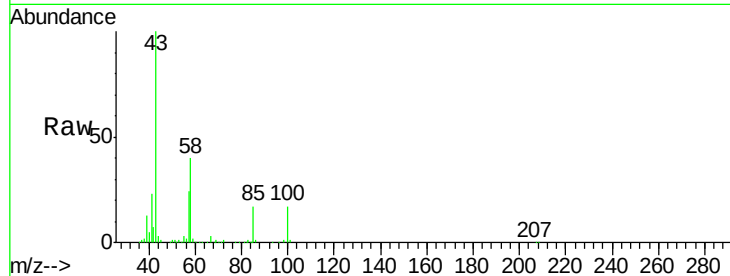
#51
4-Methyl-2-Pentanone
Concen: 107.178 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

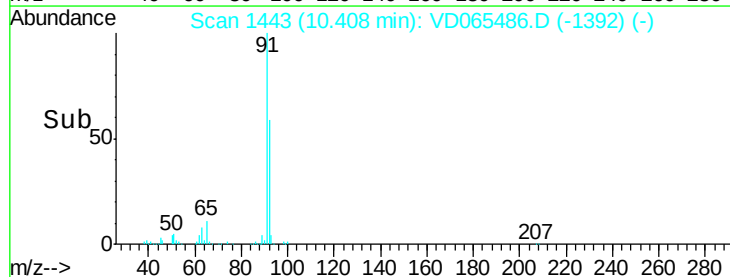
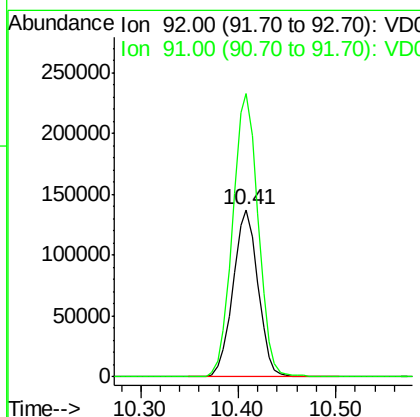
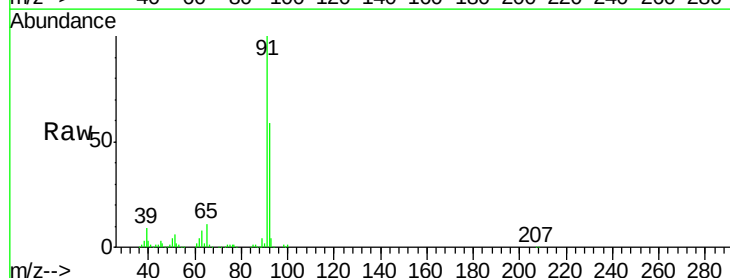
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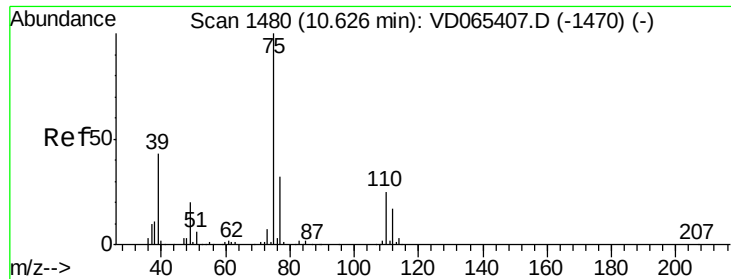
MMDadoda
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#52
Toluene
Concen: 21.076 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.8	206.8





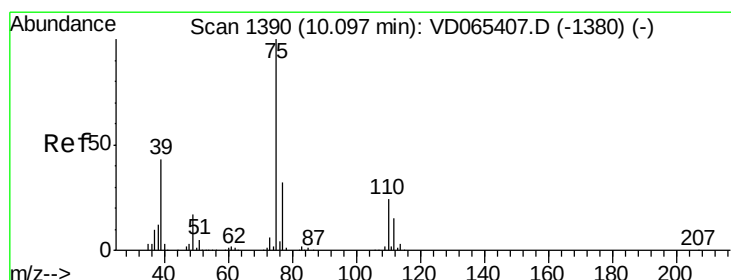
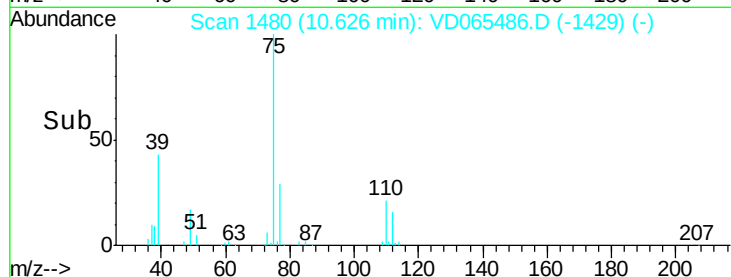
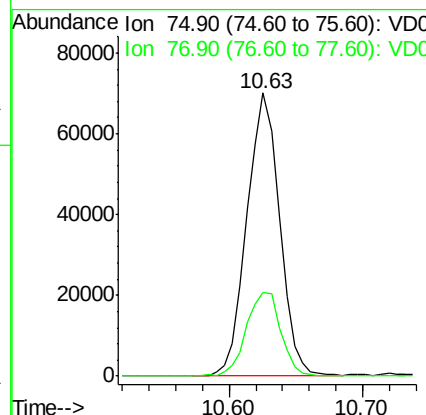
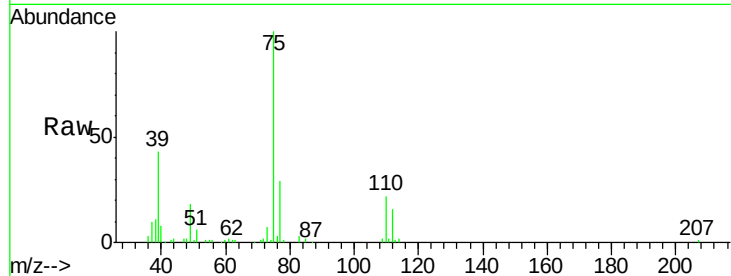
#53
t-1,3-Dichloropropene
Concen: 21.050 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.2

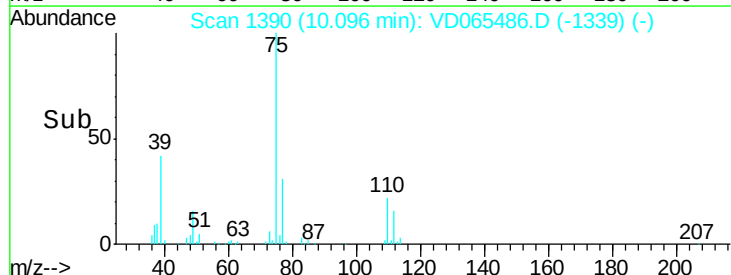
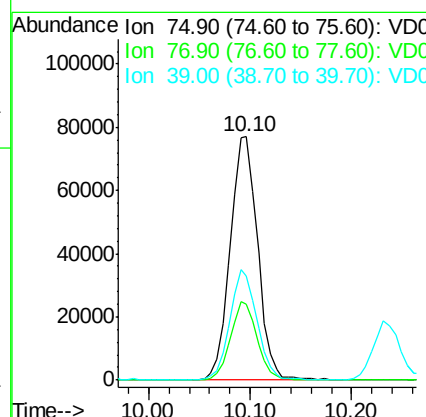
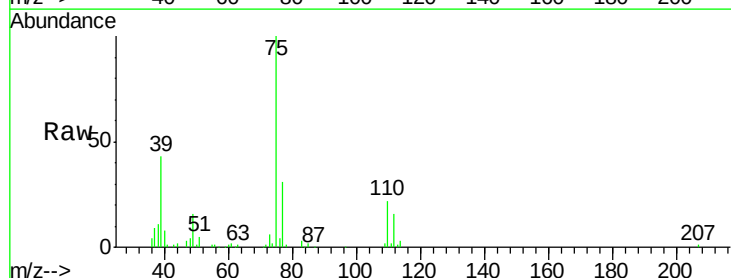
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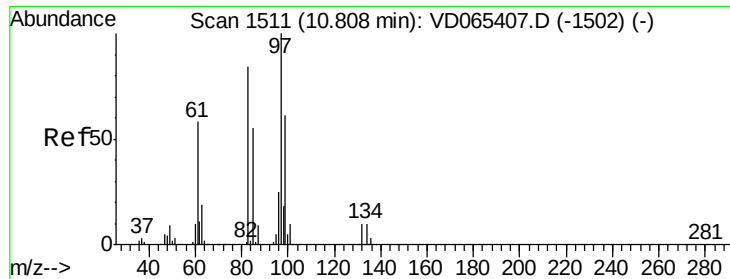
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#54
cis-1,3-Dichloropropene
Concen: 21.156 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	43.0	34.6	52.0





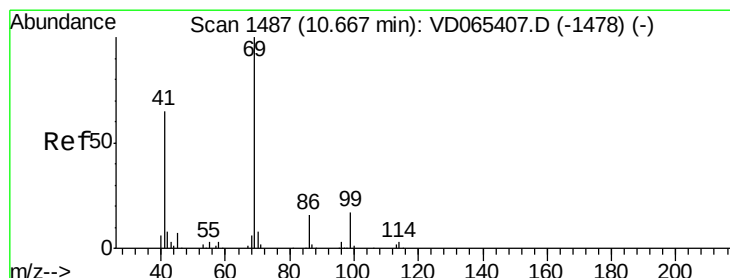
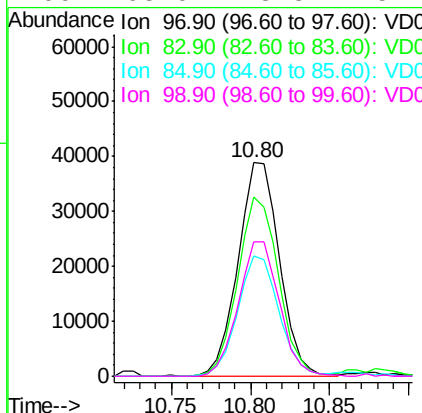
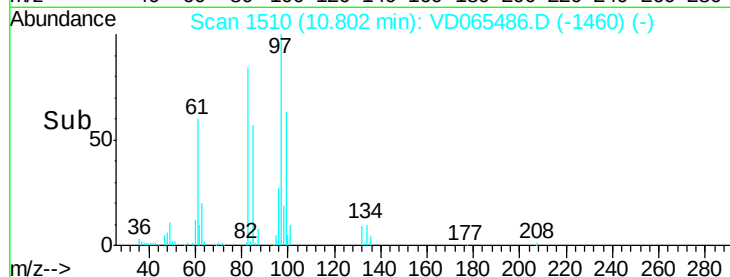
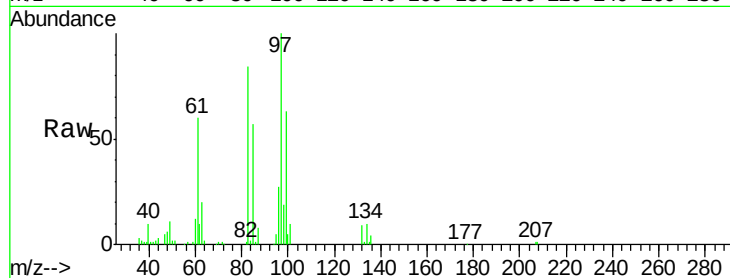
#55
 1,1,2-Trichloroethane
 Concen: 21.475 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion:	97	Resp:	70641
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	56.6	43.8	65.8
99	63.0	48.8	73.2

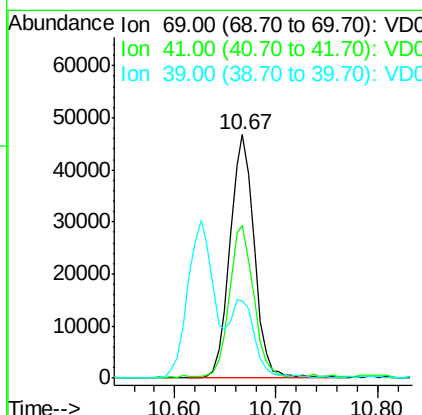
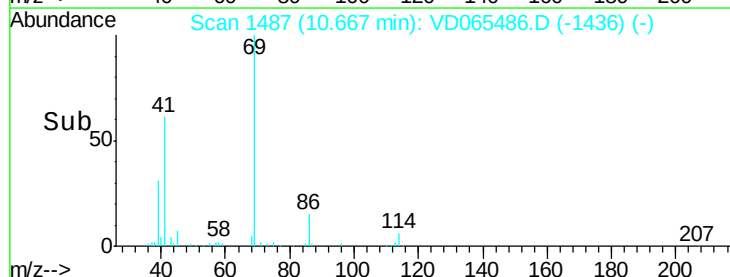
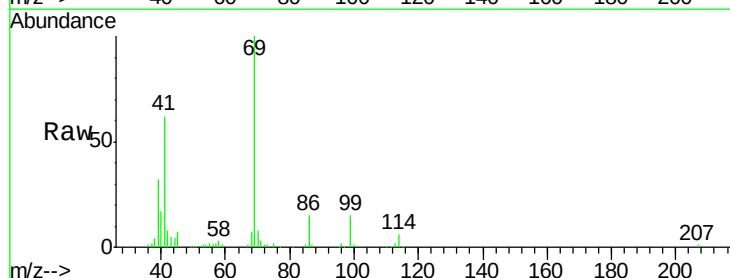
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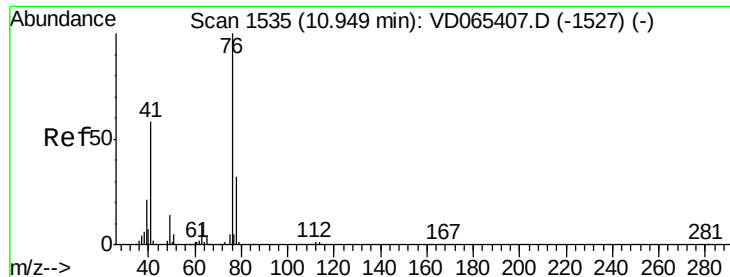
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#56
 Ethyl methacrylate
 Concen: 20.985 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion:	69	Resp:	77821
Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.0	79.6
39	32.4	26.0	39.0





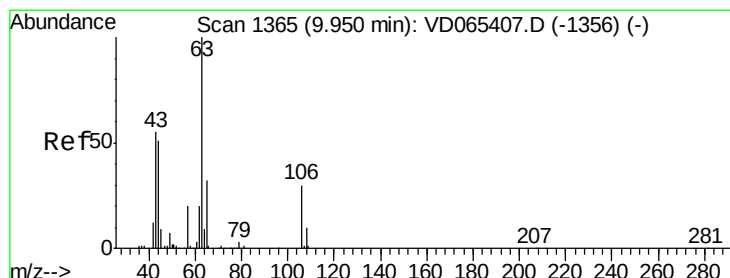
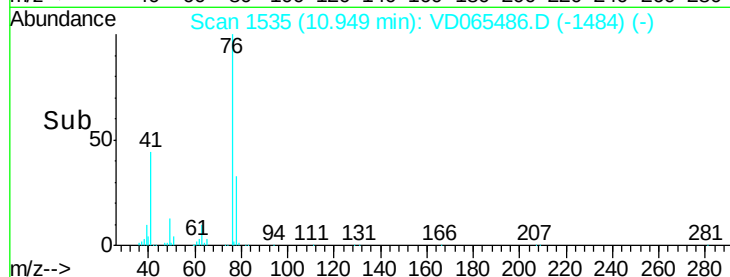
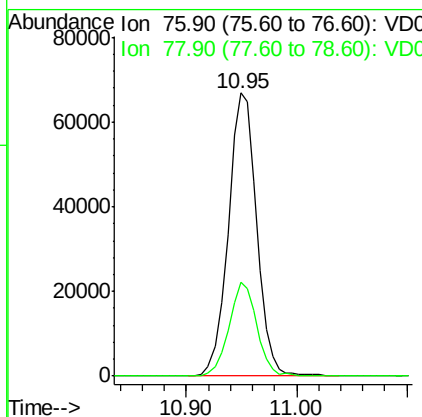
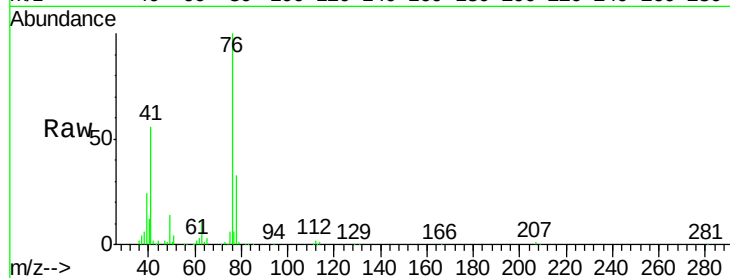
#57
 1,3-Dichloropropane
 Concen: 21.576 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion: 76 Resp: 120087
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

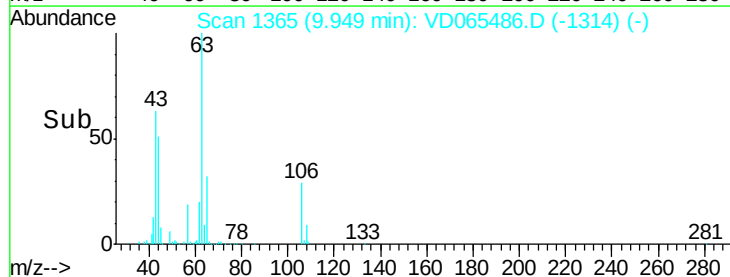
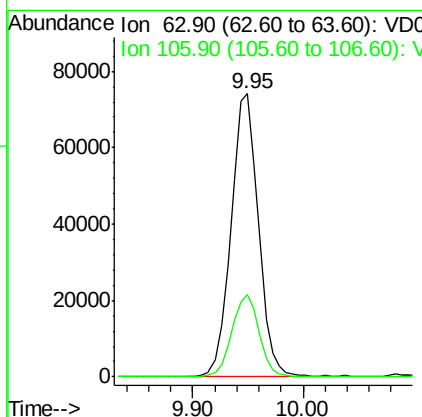
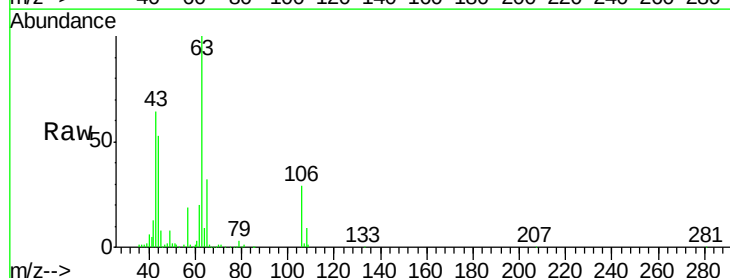
Manual Integrations
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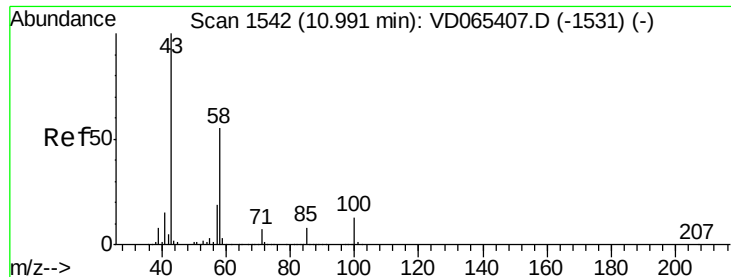
MMDadoda
 3/16/2020 12:07:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.480 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion: 63 Resp: 128966
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





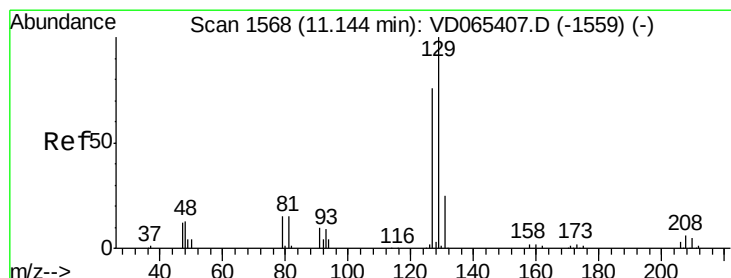
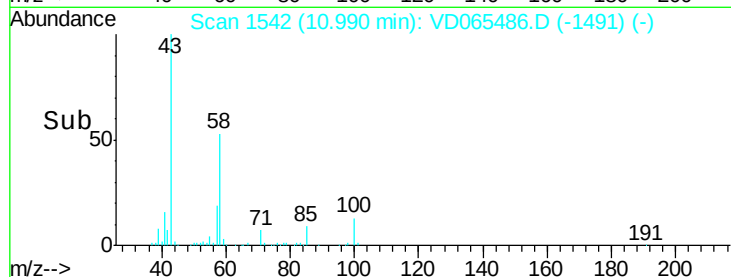
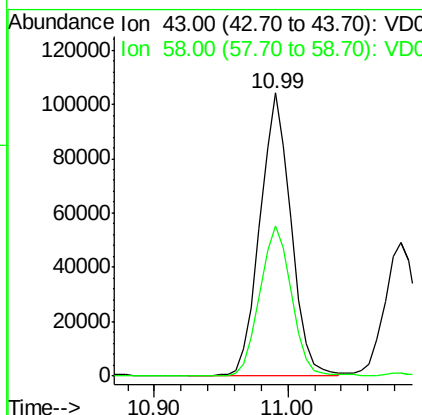
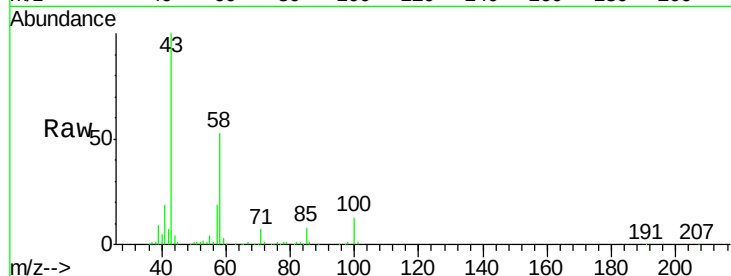
#59
2-Hexanone
Concen: 101.878 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 43 Resp: 167448
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2

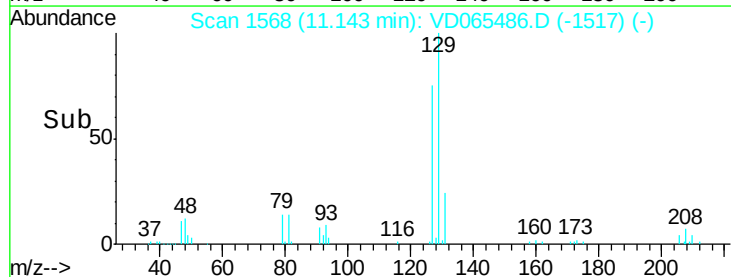
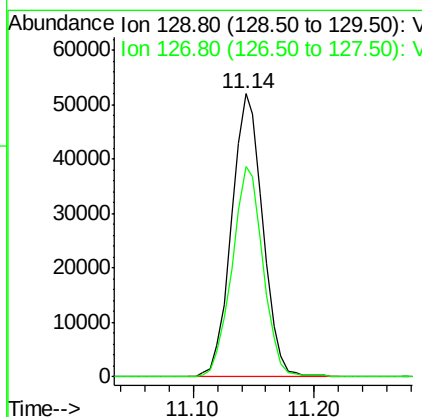
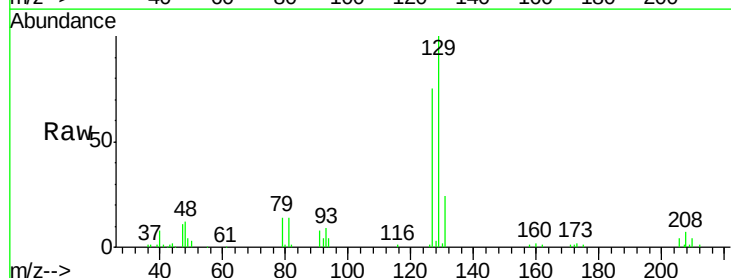
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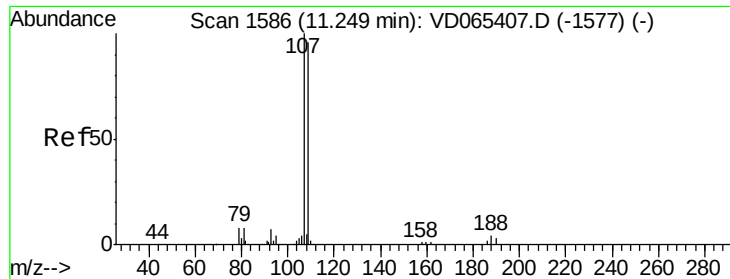
MMDadoda
3/16/2020 12:07:01 PM



#60
Dibromochloromethane
Concen: 22.215 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 129 Resp: 93671
Ion Ratio Lower Upper
129 100
127 73.9 38.5 115.5





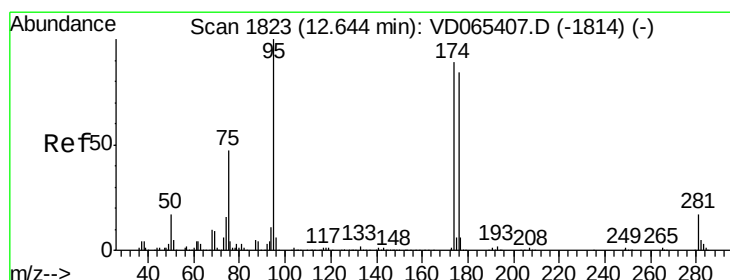
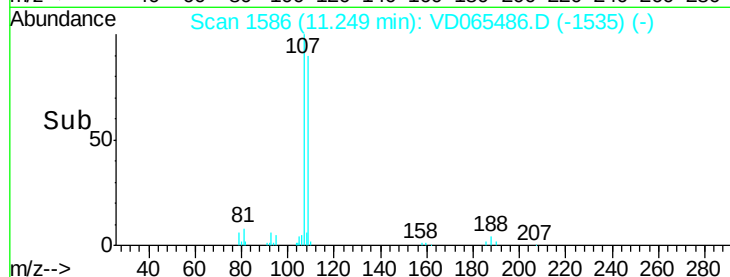
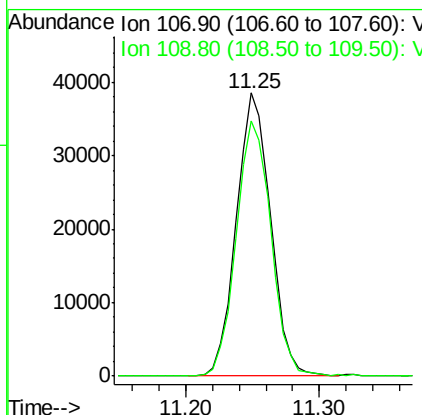
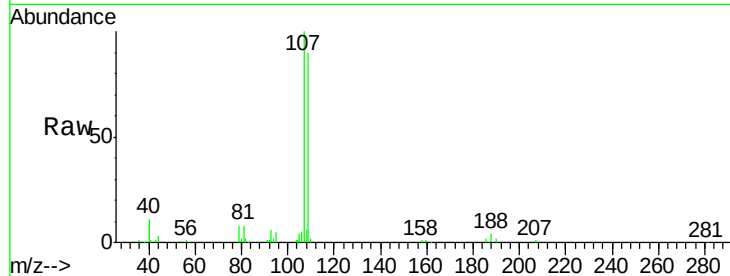
#61
 1,2-Dibromoethane
 Concen: 21.803 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion: 107 Resp: 68411
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.8 115.2

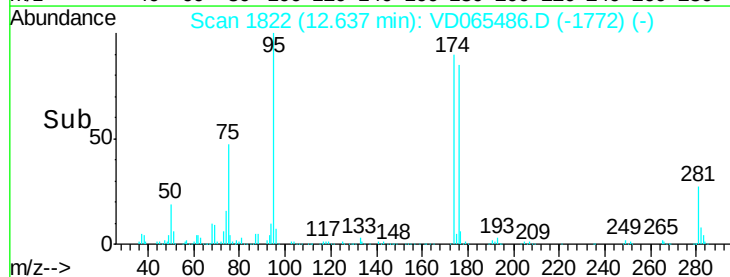
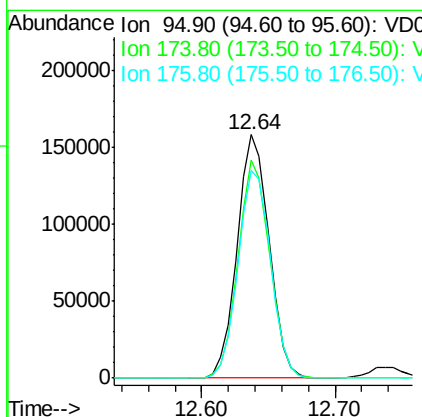
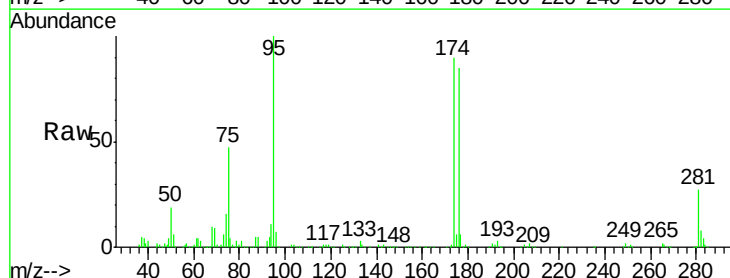
Manual Integrations
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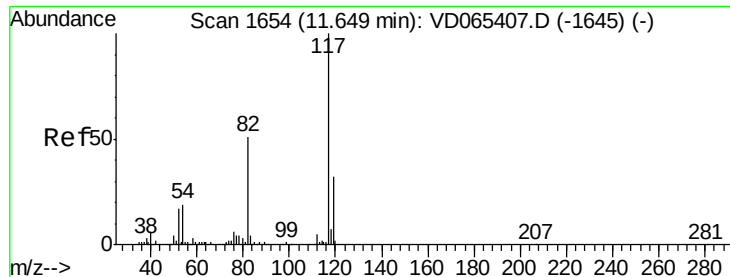
MMDadoda
 3/16/2020 12:07:01 PM



#62
 4-Bromofluorobenzene
 Concen: 51.753 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion: 95 Resp: 261420
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 176.8
 176 87.1 0.0 171.4





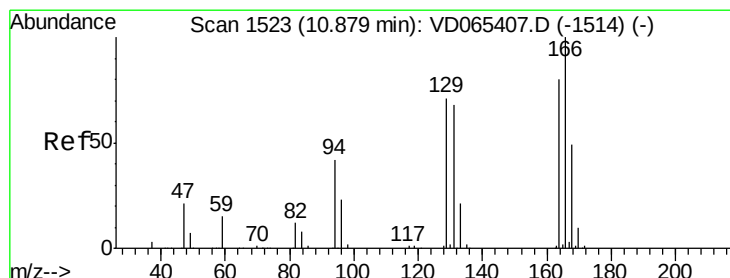
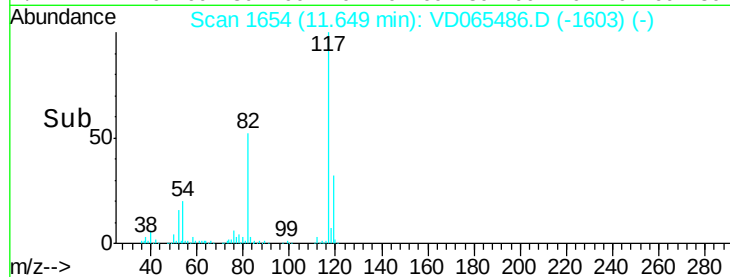
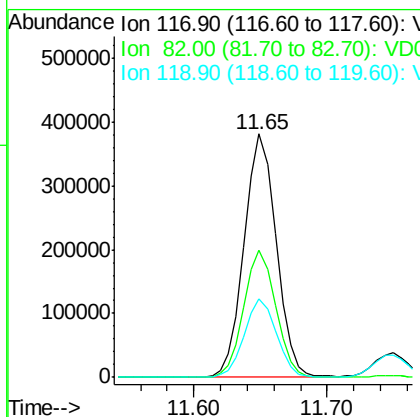
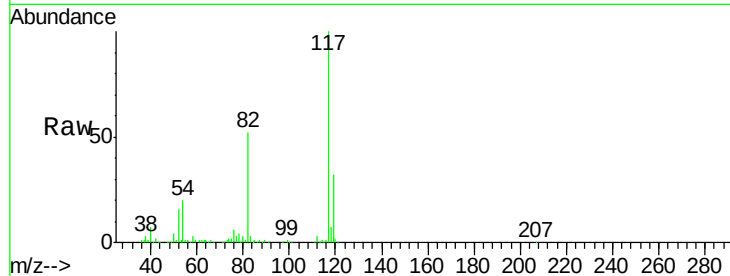
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	636188		
82	52.0		40.6	60.8
119	32.2		25.4	38.2

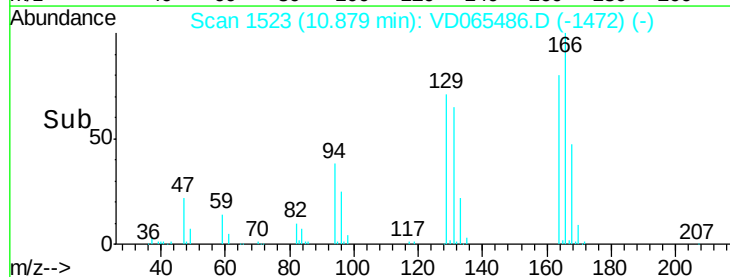
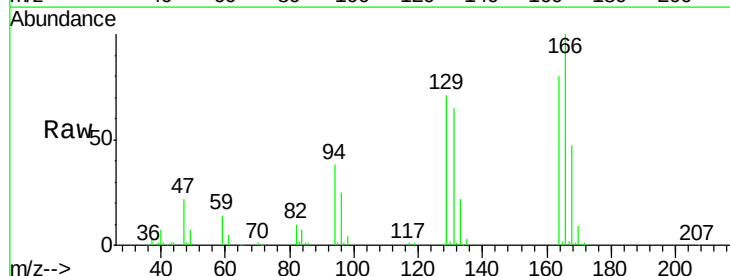
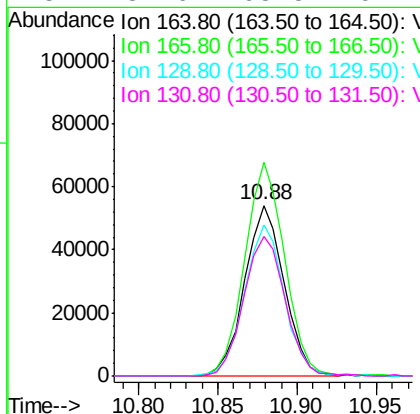
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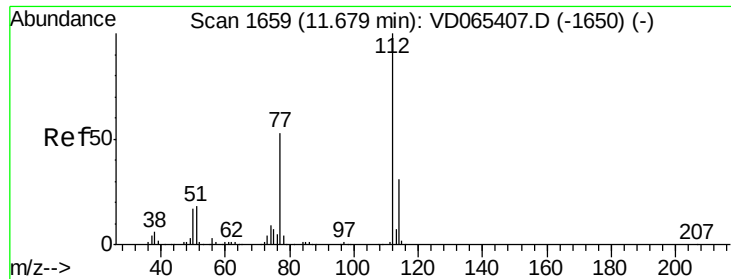
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#64
Tetrachloroethene
Concen: 20.471 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93322		
166	125.3		100.5	150.7
129	88.9		71.5	107.3
131	81.6		68.5	102.7





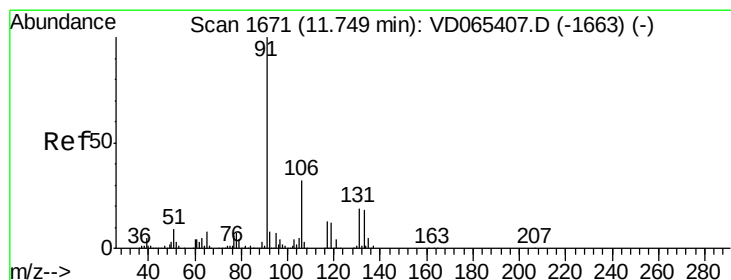
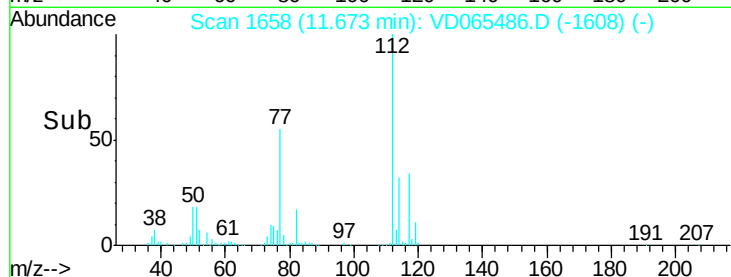
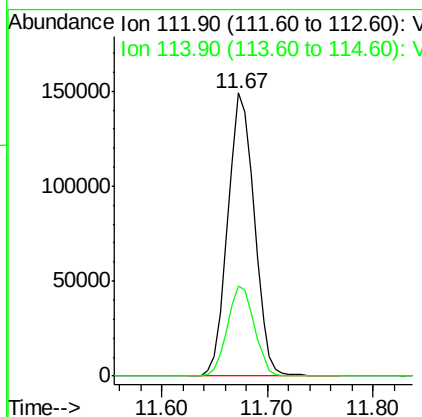
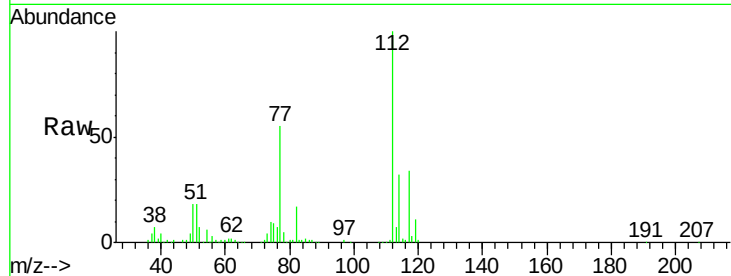
#65
Chlorobenzene
Concen: 20.590 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.4	36.6

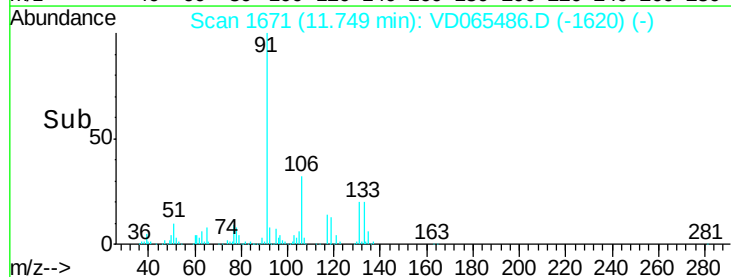
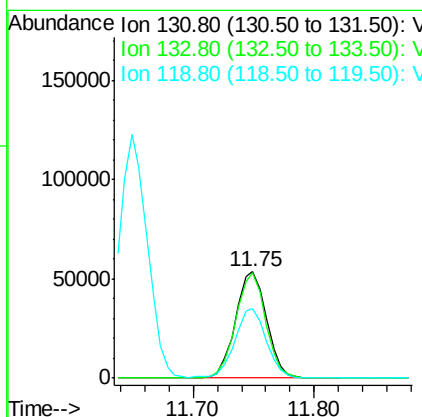
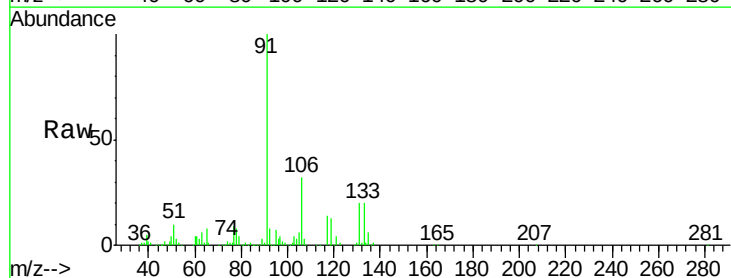
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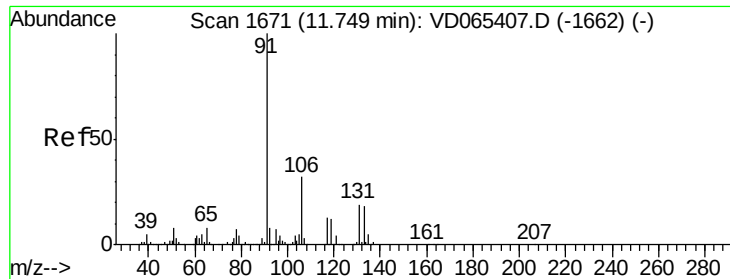
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.056 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	49.2	147.6
119	65.7	33.3	99.8





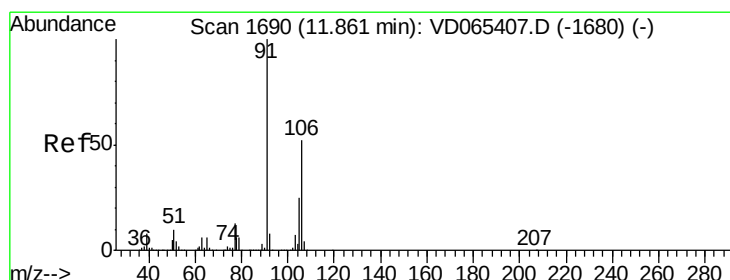
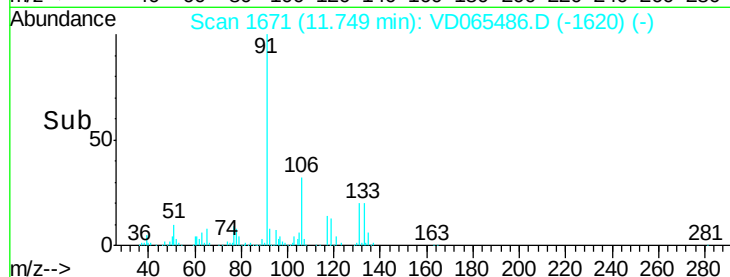
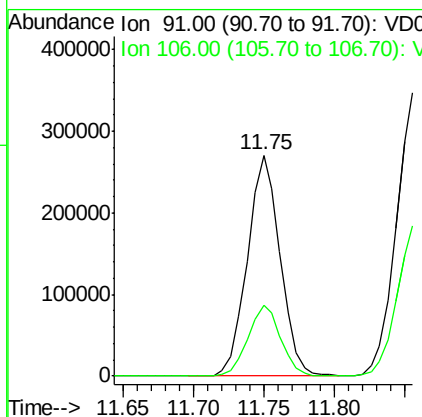
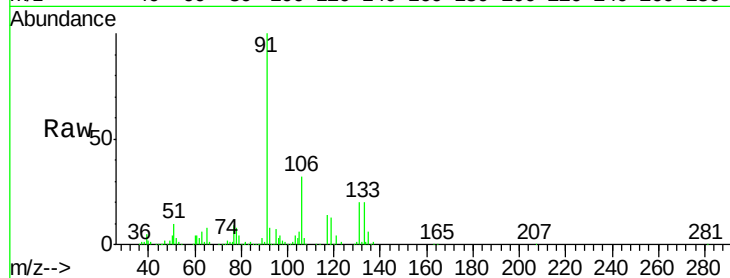
#67
Ethyl Benzene
Concen: 20.229 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 91 Resp: 440046
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8

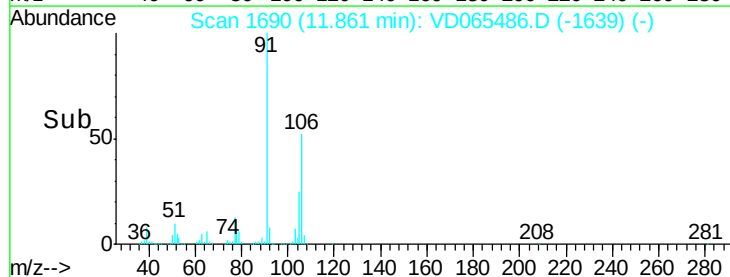
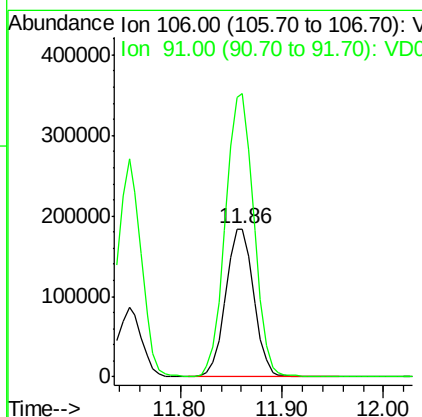
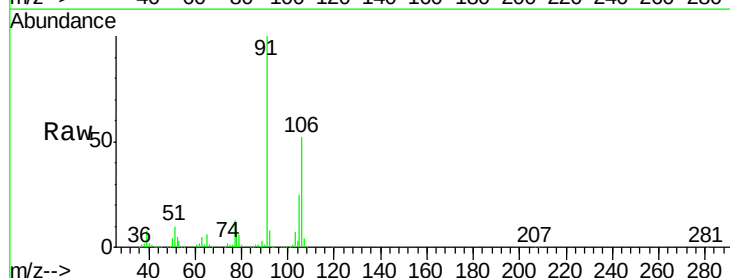
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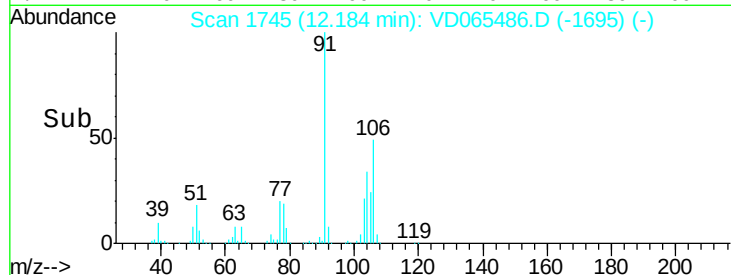
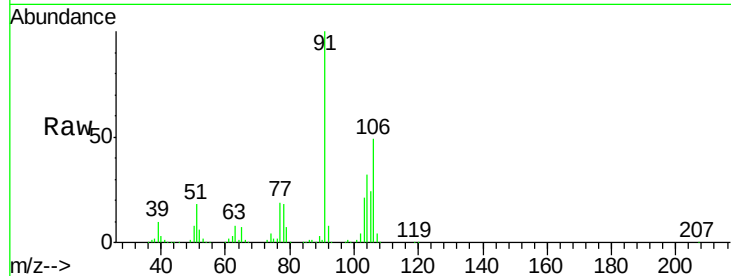
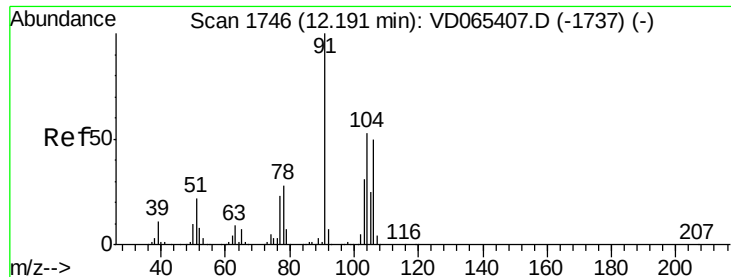
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#68
m/p-Xylenes
Concen: 42.239 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 106 Resp: 354286
Ion Ratio Lower Upper
106 100
91 193.3 155.9 233.9





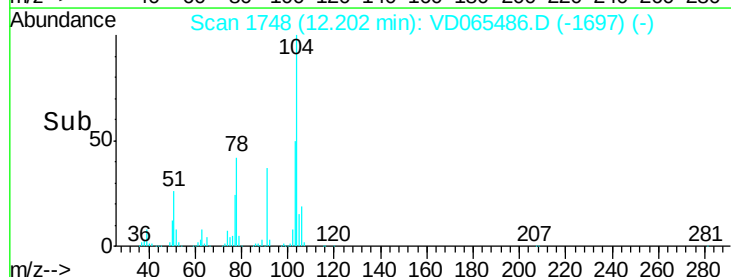
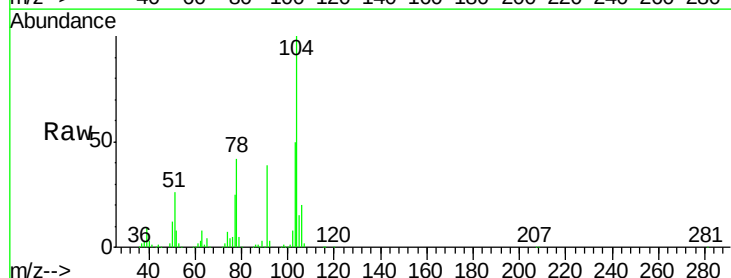
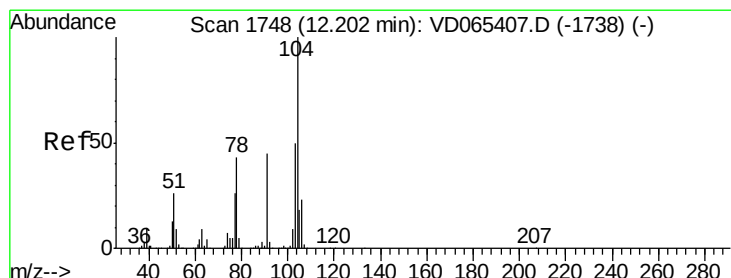
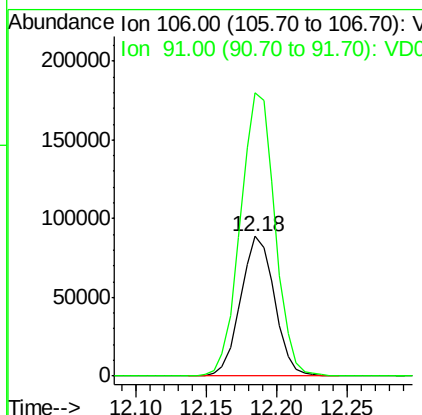
#69
o-Xylene
Concen: 20.241 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tot Ion:106 Resp: 149342
Ion Ratio Lower Upper
106 100
91 207.2 103.5 310.3

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

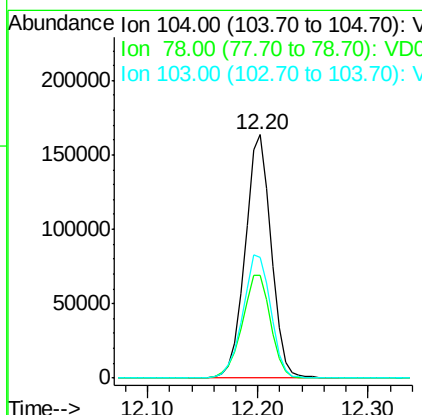
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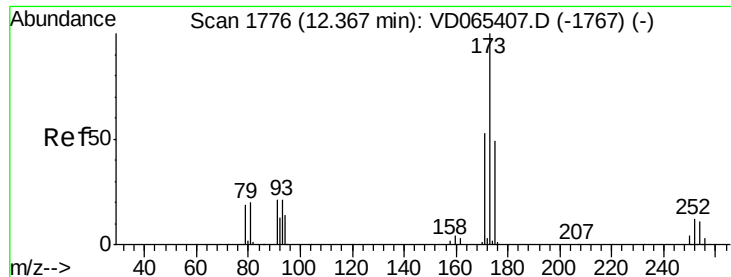
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#70
Styrene
Concen: 20.886 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion:104 Resp: 271202
Ion Ratio Lower Upper
104 100
78 46.4 37.7 56.5
103 54.9 43.6 65.4





#71

Bromoform

Concen: 20.887 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

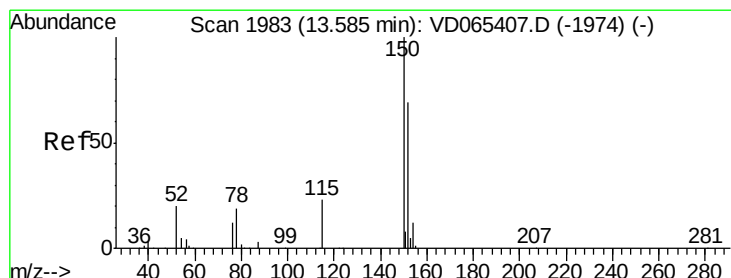
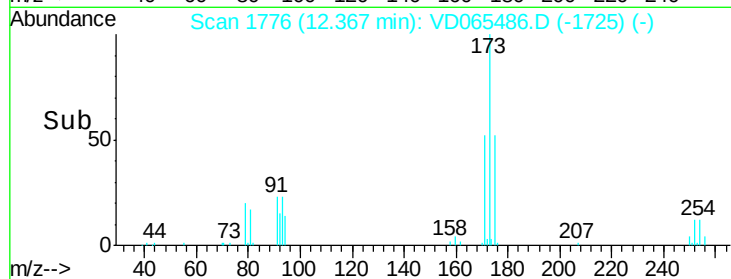
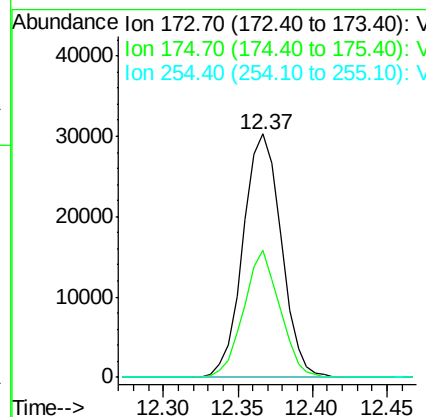
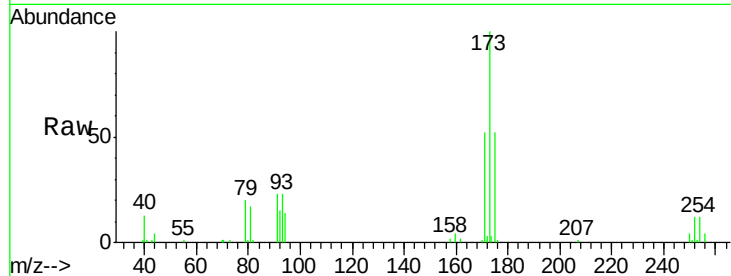
ClientSampleId :

VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

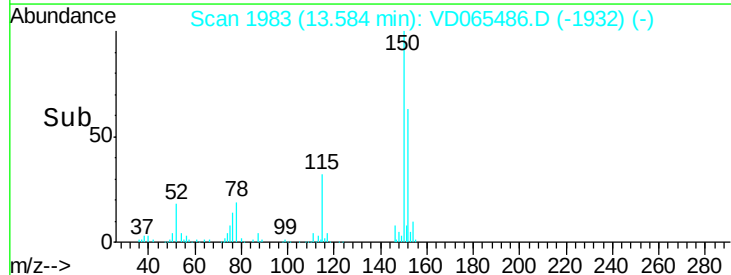
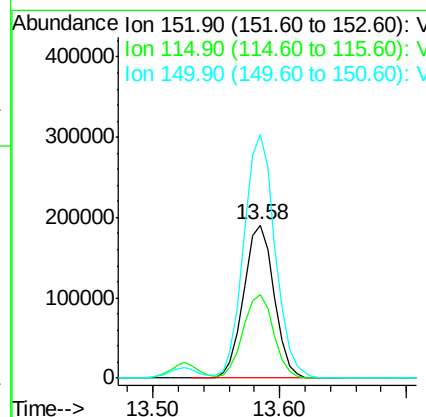
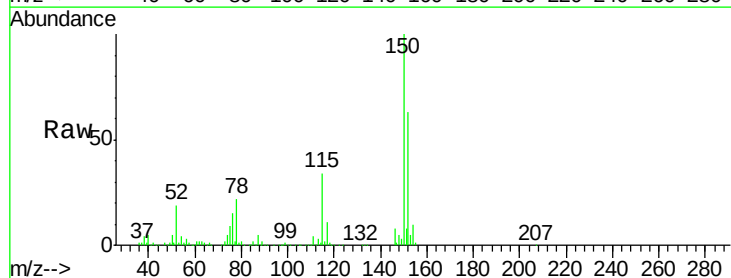
RT: 13.58 min Scan# 1983

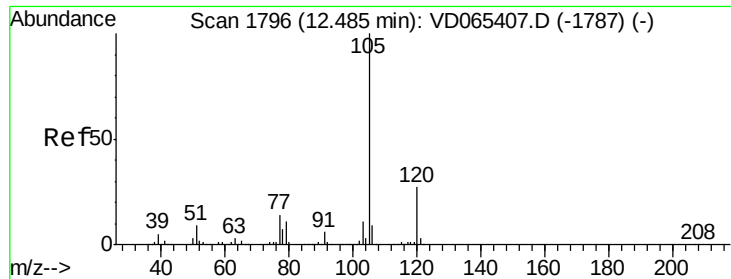
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	164.4	0.0	345.0





#73

Isopropylbenzene

Concen: 19.879 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion:105 Resp: 413861

Ion Ratio Lower Upper

105 100

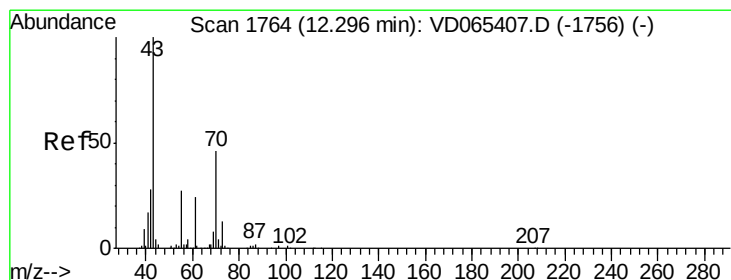
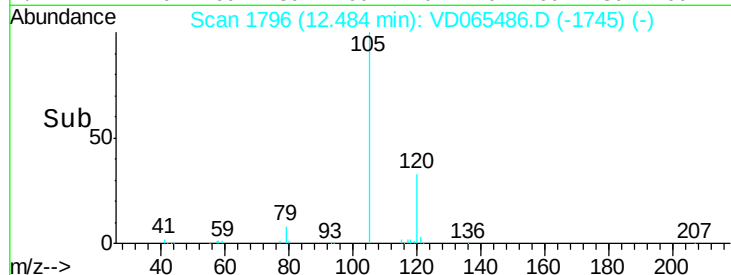
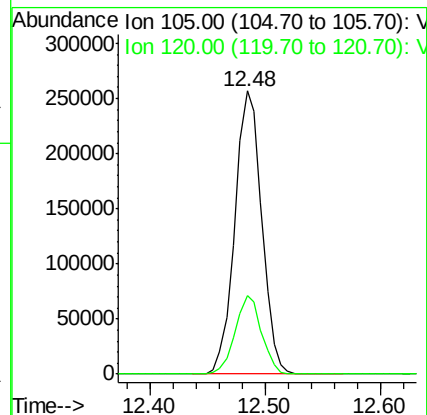
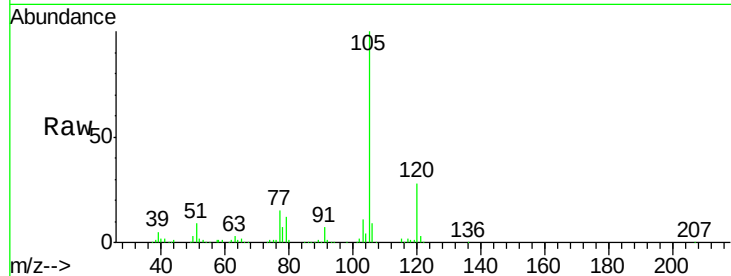
120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.726 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion: 43 Resp: 84078

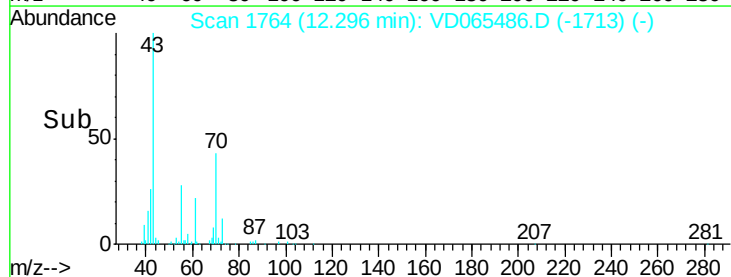
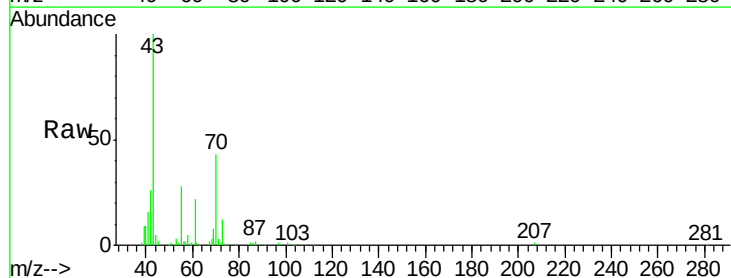
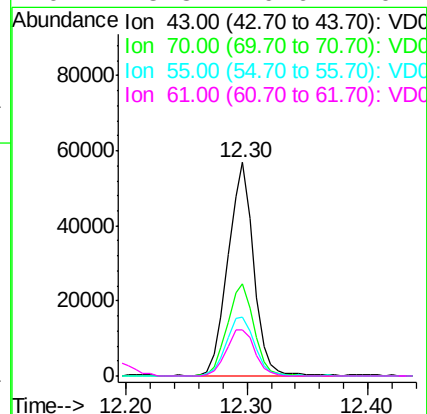
Ion Ratio Lower Upper

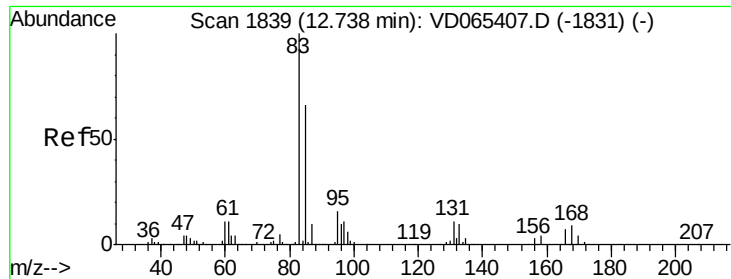
43 100

70 44.6 36.1 54.1

55 30.3 21.6 32.4

61 23.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.838 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

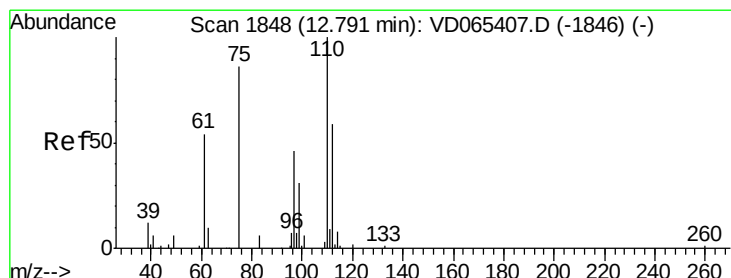
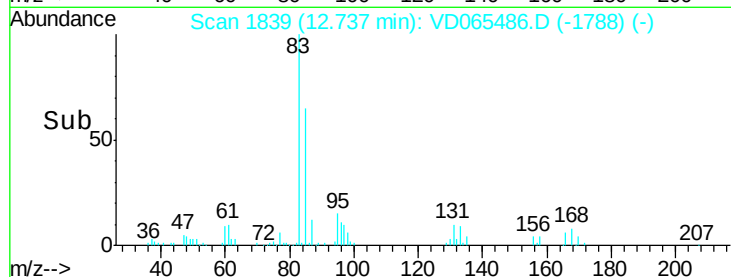
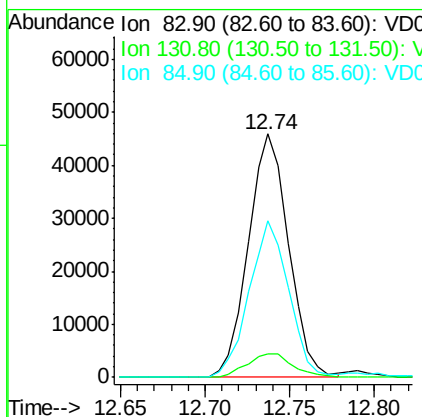
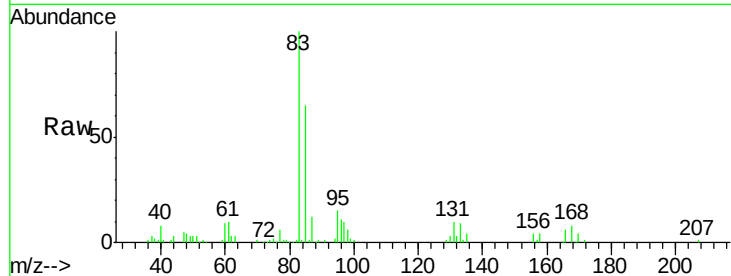
ClientSampleId :

VD0312SBSD01

Tot Ion:	83	Resp:	76259
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 19.395 ug/l m

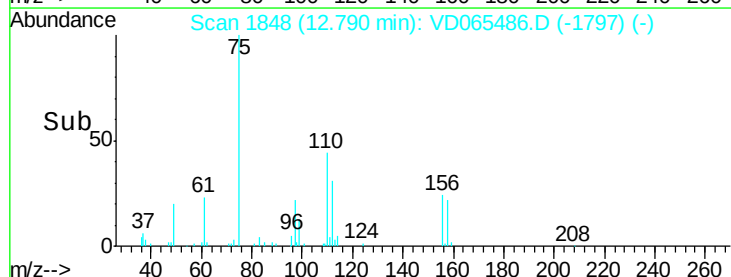
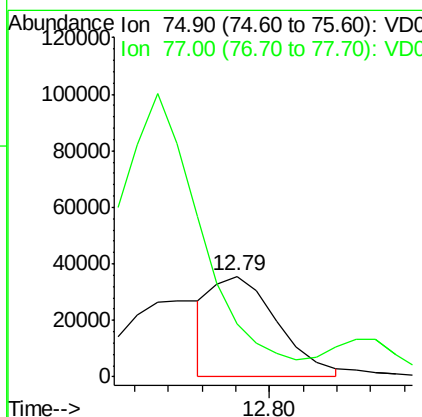
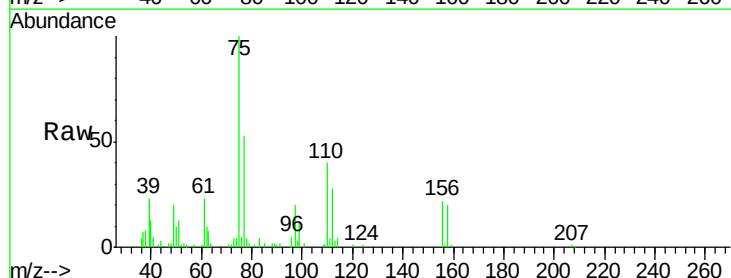
RT: 12.79 min Scan# 1848

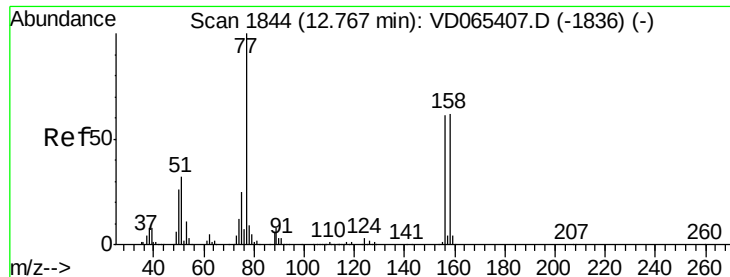
Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion:	75	Resp:	48441
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





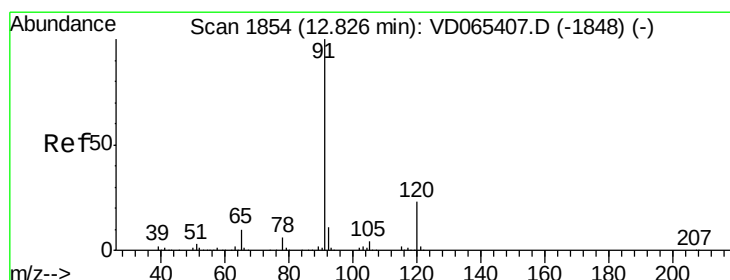
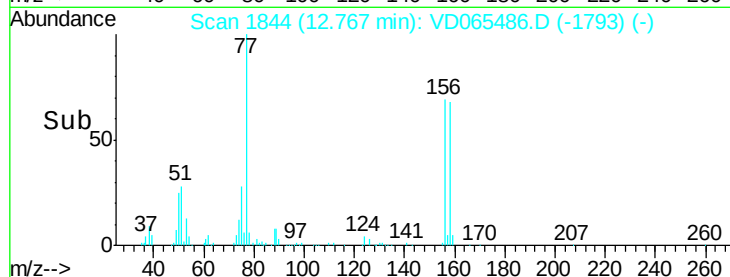
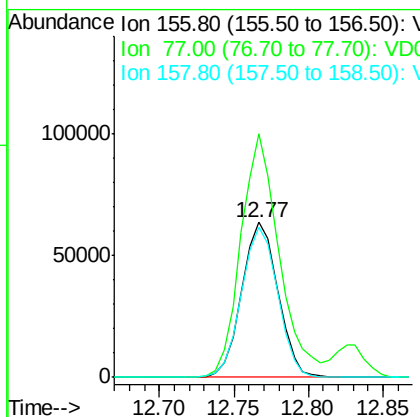
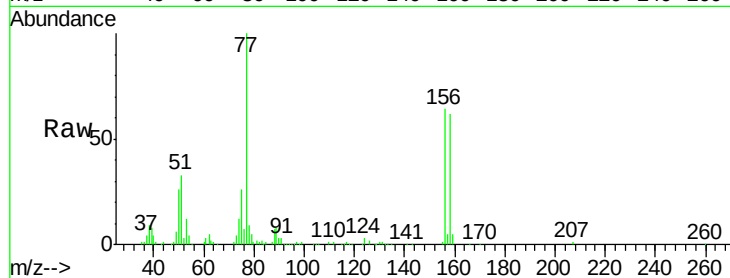
#77
Bromobenzene
Concen: 20.701 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.1	84.9	254.6
158	97.1	49.0	147.2

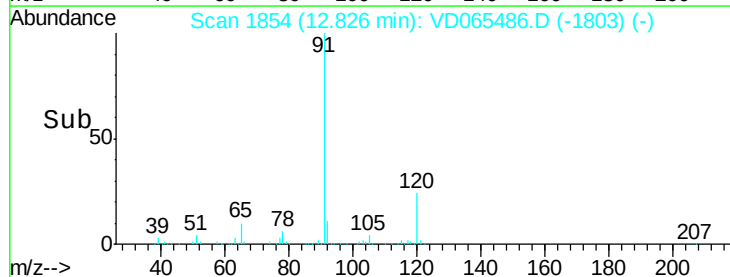
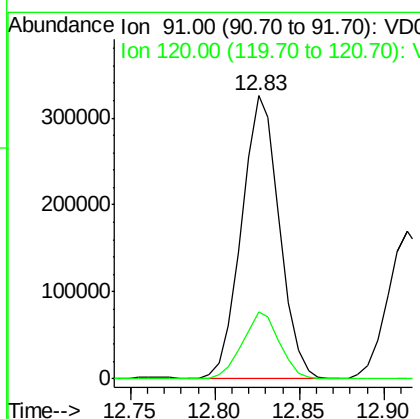
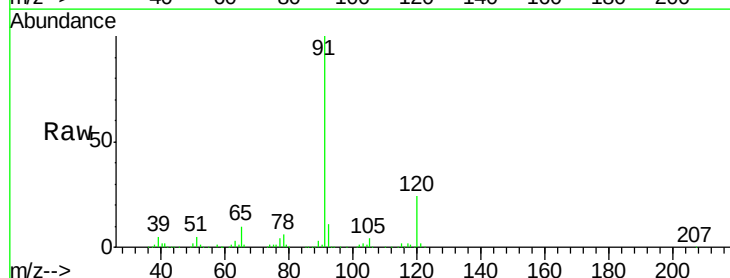
Manual Integrations
APPROVED

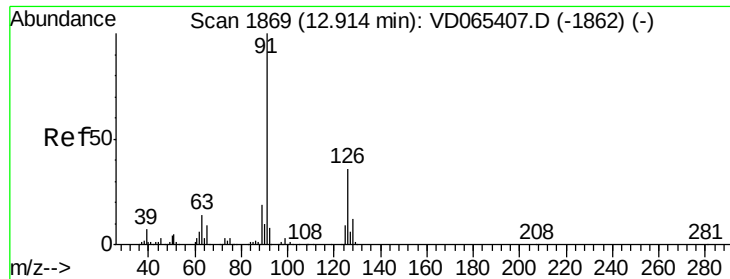
MMDadoda
3/16/2020 12:07:01 PM



#78
n-propylbenzene
Concen: 20.450 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.294 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 91 Resp: 282525

Ion Ratio Lower Upper

91 100

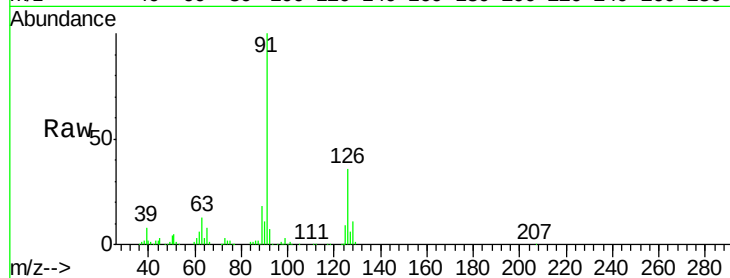
126 35.6 17.9 53.8

Manual Integrations

APPROVED

MMDadoda

3/16/2020 12:07:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

200000

150000

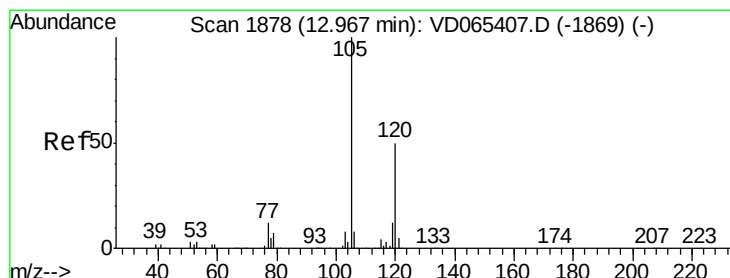
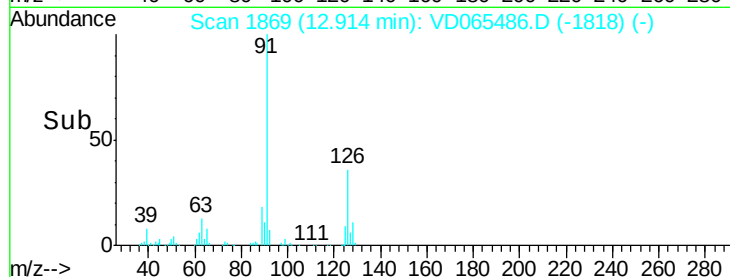
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.296 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065486.D

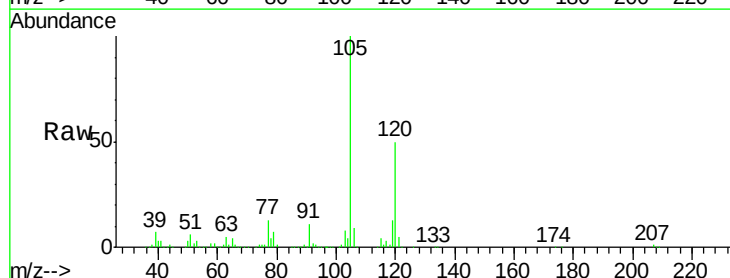
Acq: 12 Mar 2020 12:19

Tgt Ion: 105 Resp: 347383

Ion Ratio Lower Upper

105 100

120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

250000

200000

150000

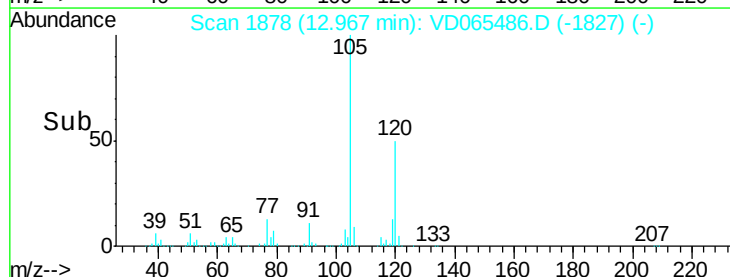
100000

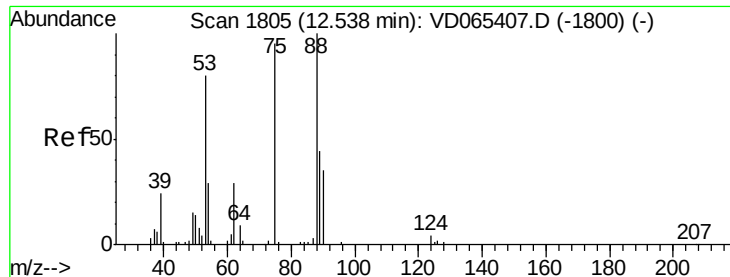
50000

0

12.90 12.95 13.00

Time-->





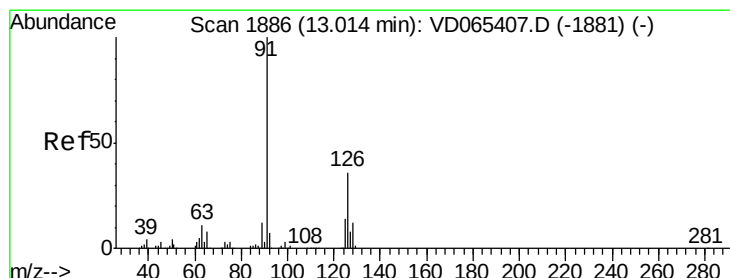
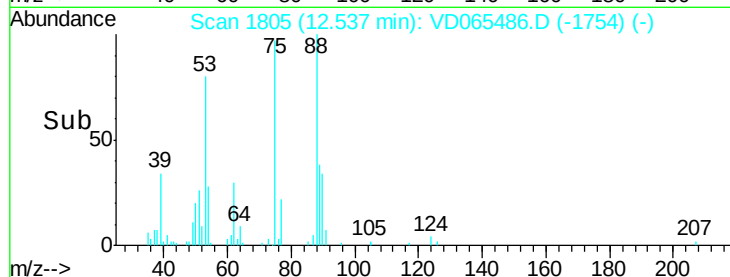
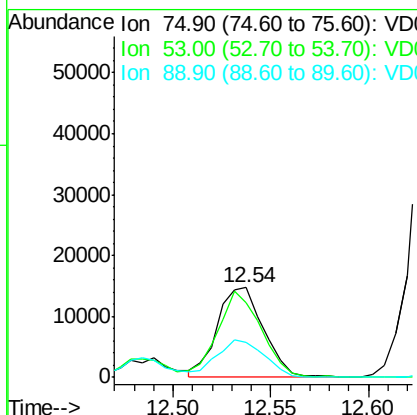
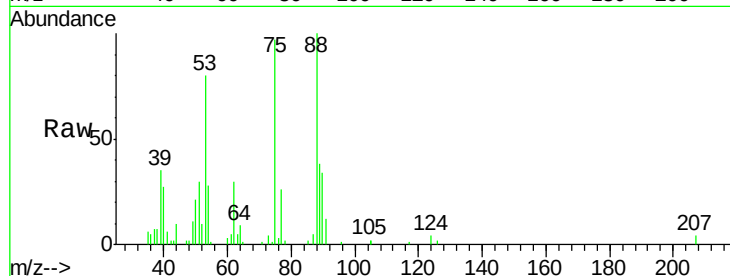
#81
trans-1,4-Dichloro-2-butene
Concen: 20.505 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	71.3	106.9
89	42.4	37.0	55.6

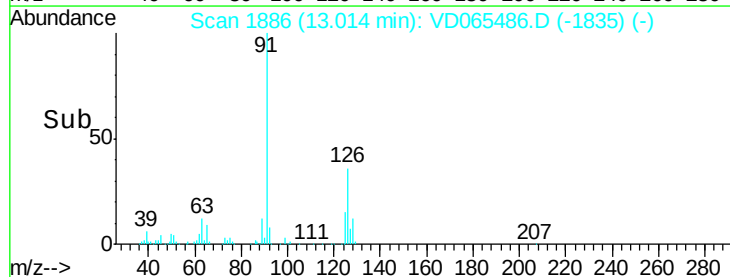
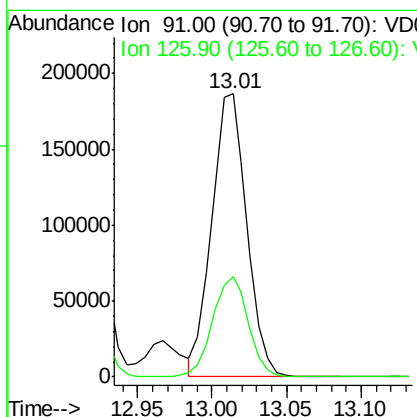
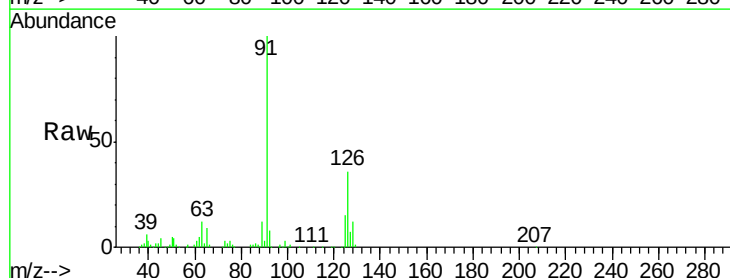
Manual Integrations
APPROVED

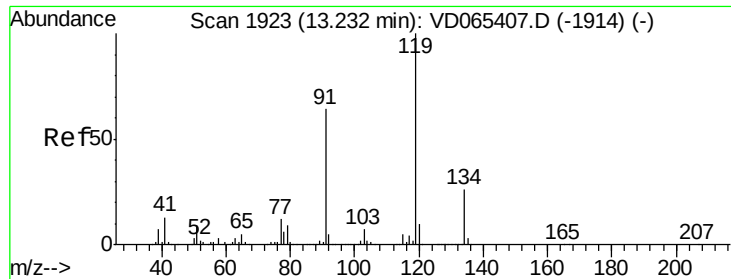
MMDadoda
3/16/2020 12:07:01 PM



#82
4-Chlorotoluene
Concen: 20.849 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.6	52.8





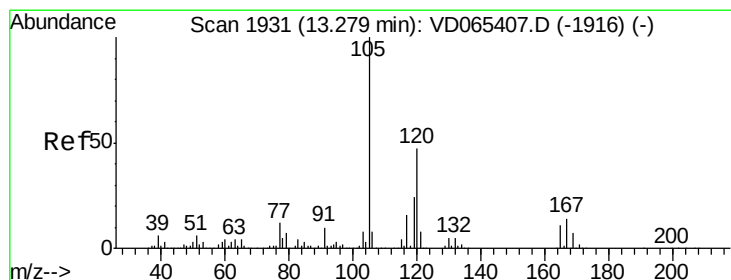
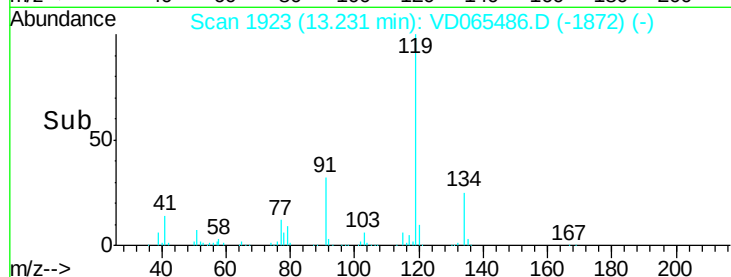
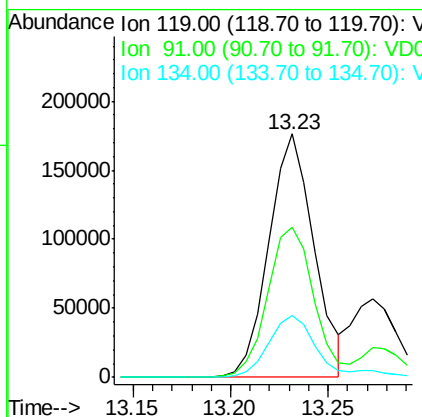
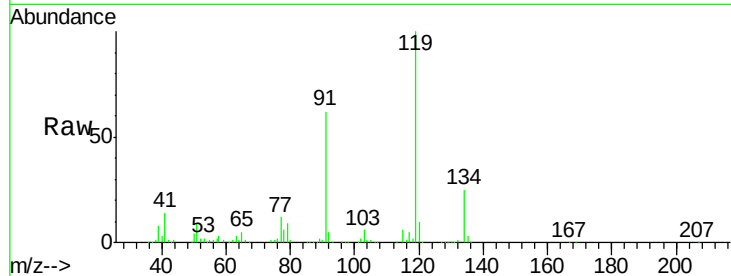
#83
tert-Butylbenzene
Concen: 19.564 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.6	95.0
134	27.7	14.2	42.8

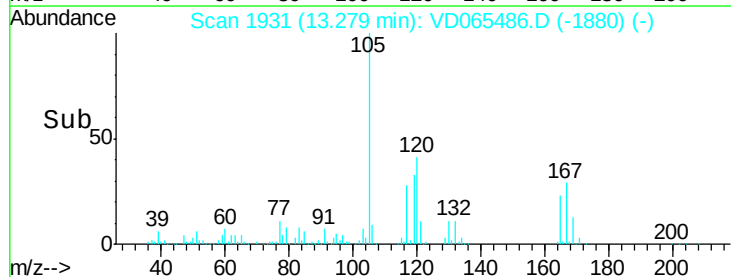
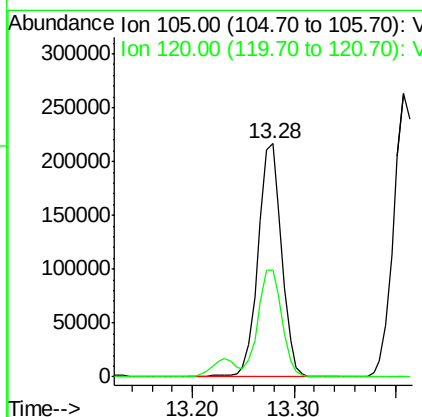
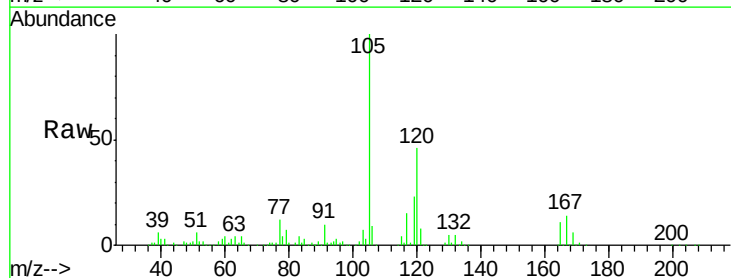
Manual Integrations
APPROVED

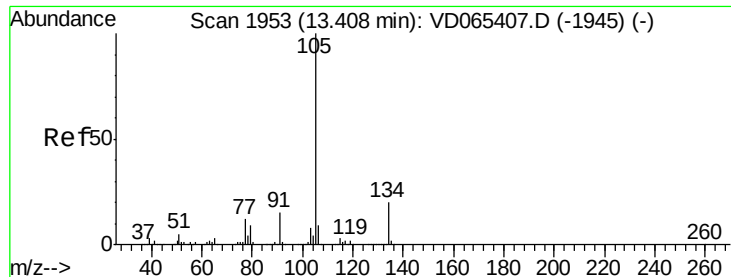
MMDadoda
3/16/2020 12:07:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.584 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.976 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion:105 Resp: 412885

Ion Ratio Lower Upper

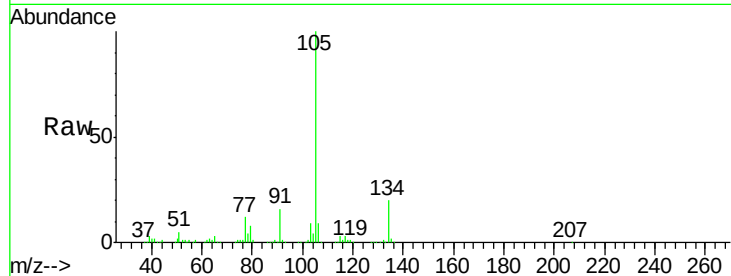
105 100

134 20.7 10.3 30.9

Manual Integrations
APPROVED

MMDadoda

3/16/2020 12:07:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

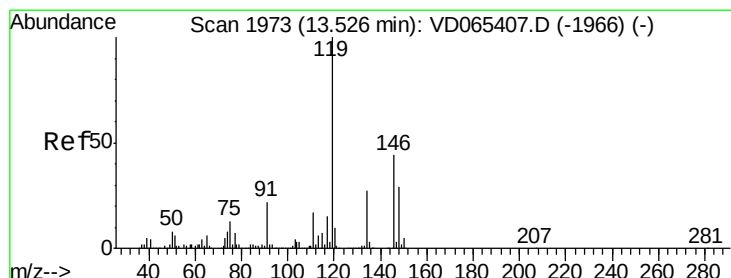
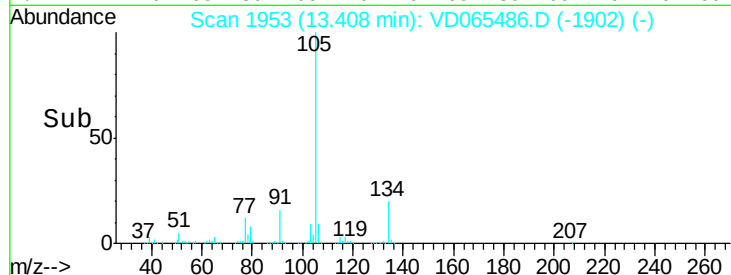
100000

50000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.191 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

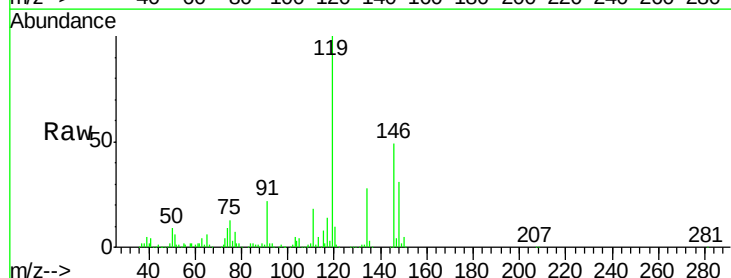
Tgt Ion:119 Resp: 380816

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 21.9 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

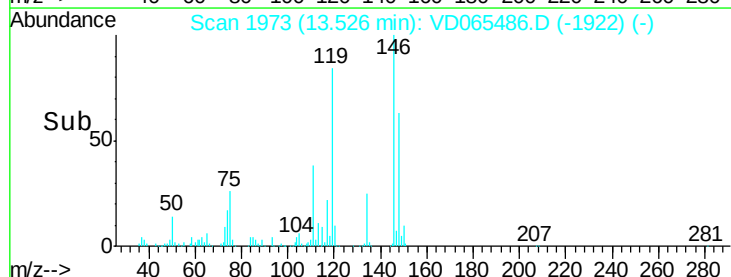
200000

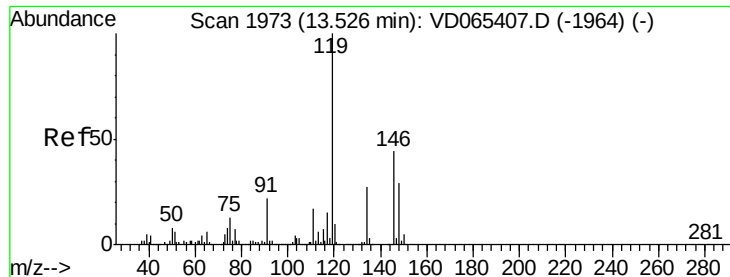
100000

0

13.45 13.50 13.55 13.60

Time-->





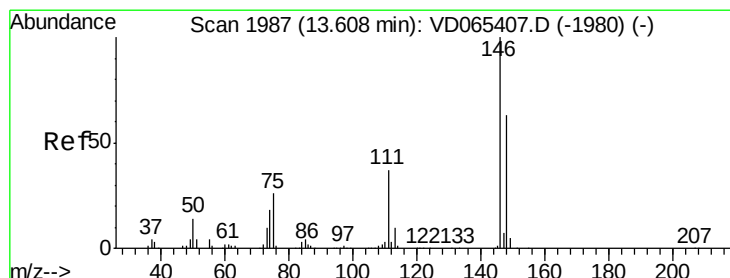
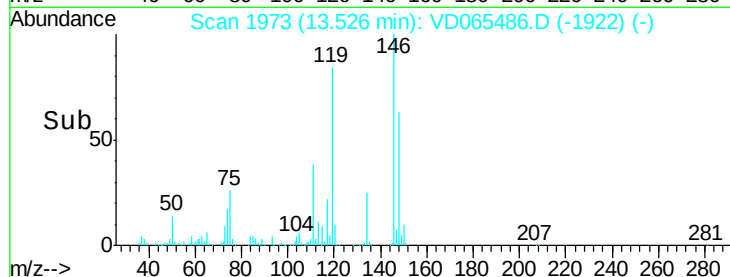
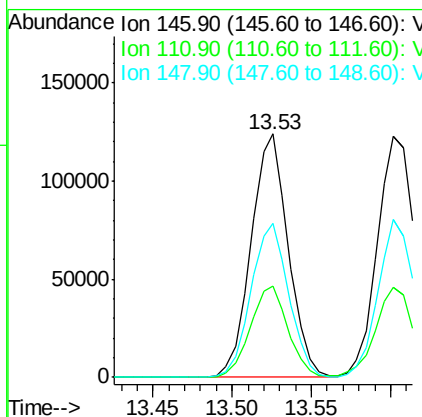
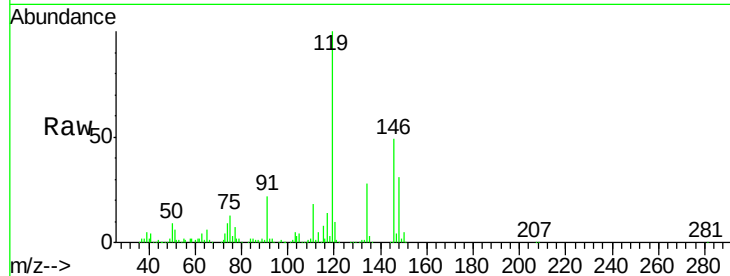
#87
1,3-Dichlorobenzene
Concen: 20.329 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.2	32.3	96.8

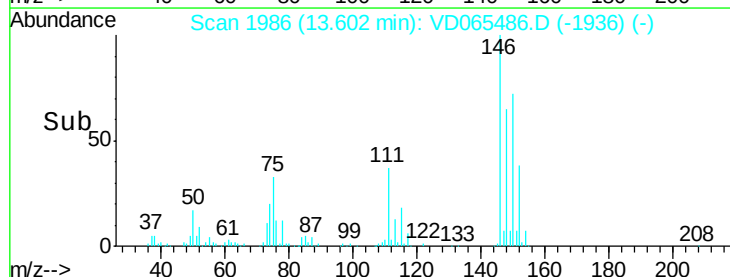
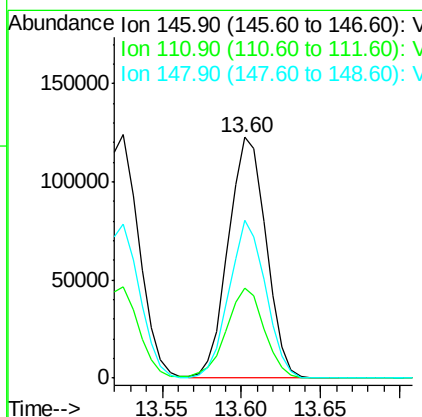
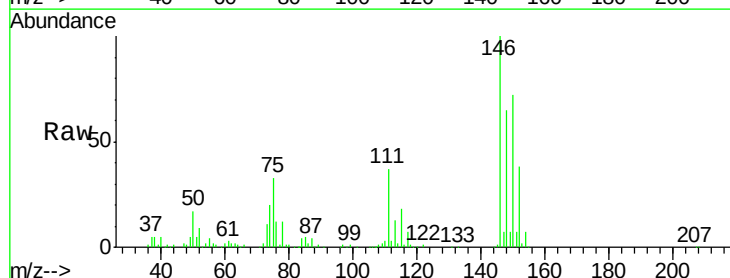
Manual Integrations
APPROVED

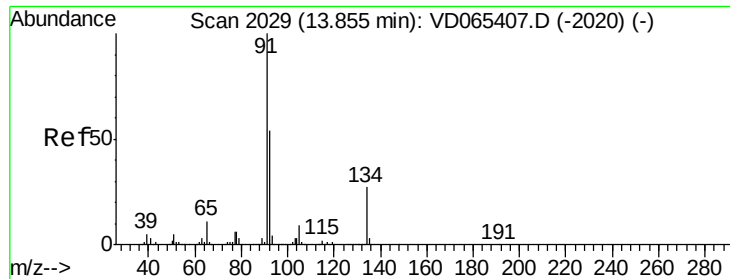
MMDadoda
3/16/2020 12:07:01 PM



#88
1,4-Dichlorobenzene
Concen: 20.598 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	63.3	32.0	96.0





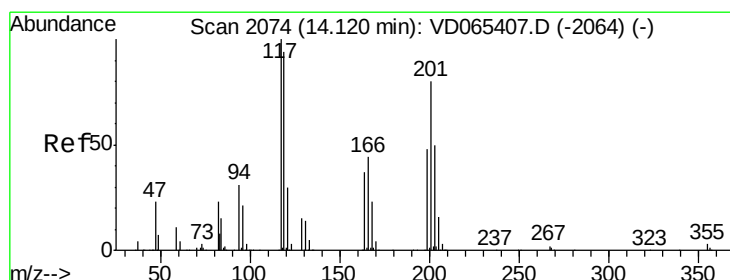
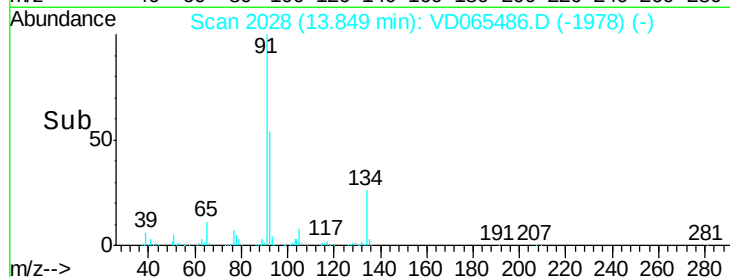
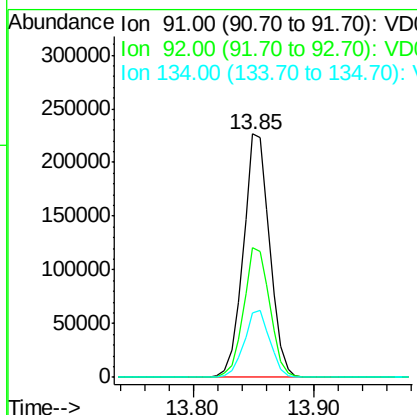
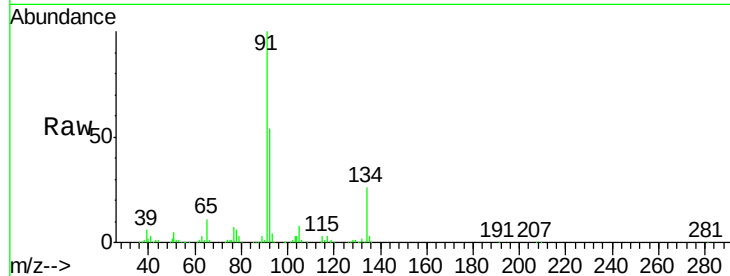
#89
n-Butylbenzene
Concen: 19.670 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	27.2	13.4	40.2

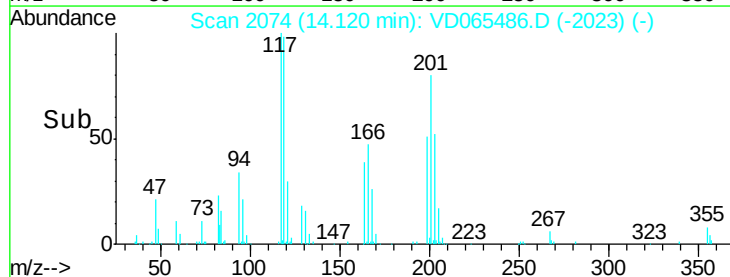
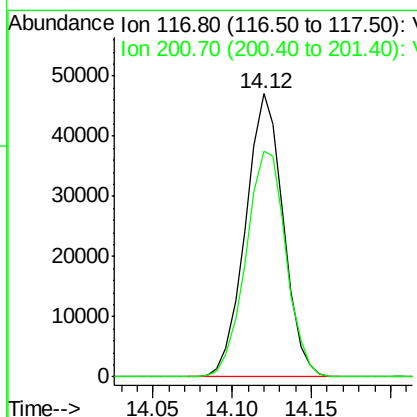
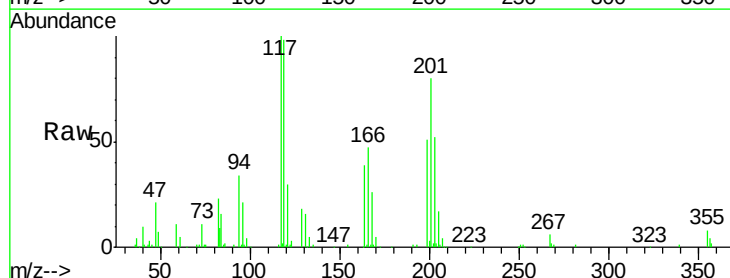
Manual Integrations
APPROVED

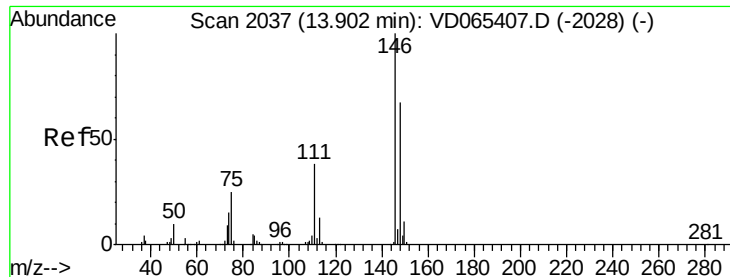
MMDadoda
3/16/2020 12:07:01 PM



#90
Hexachloroethane
Concen: 20.039 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.9	125.6





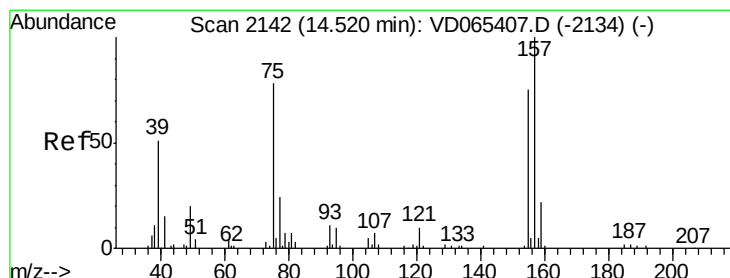
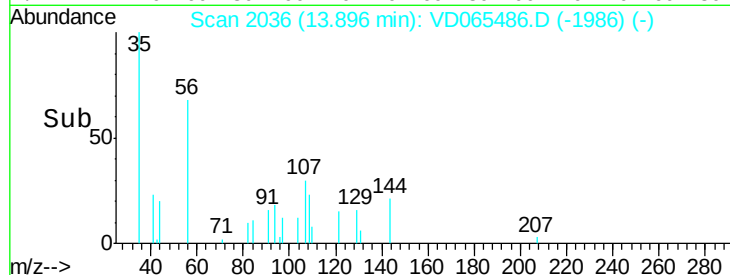
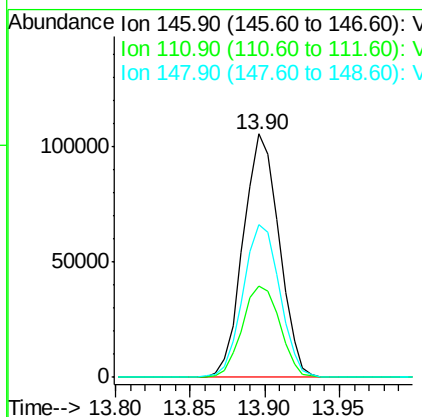
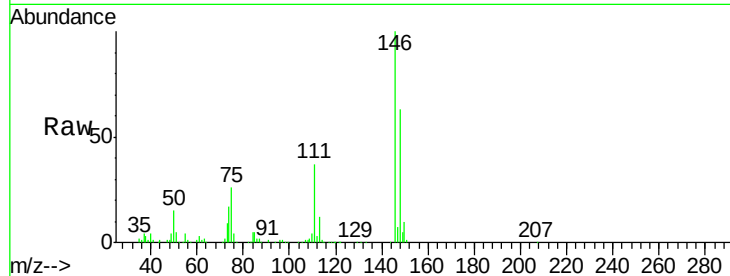
#91
 1,2-Dichlorobenzene
 Concen: 20.775 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.3	32.6	97.8

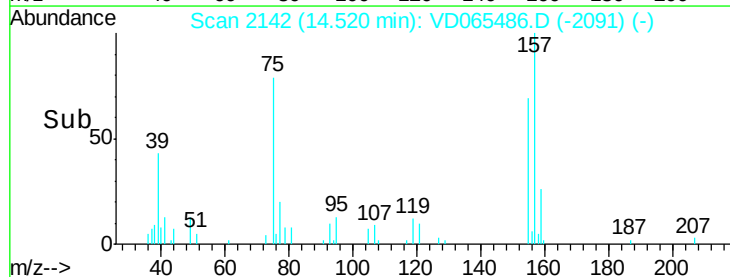
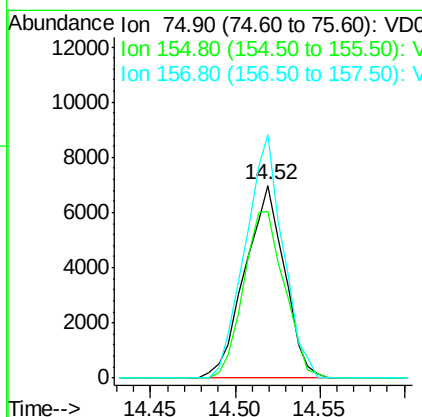
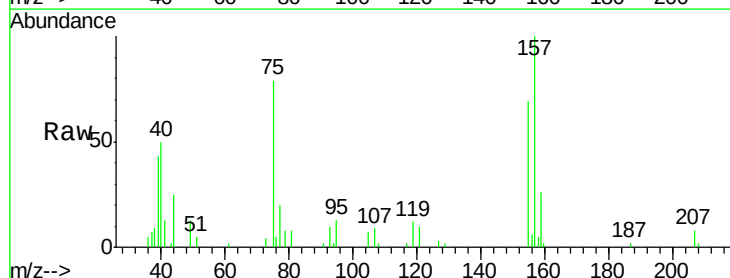
Manual Integrations
 APPROVED

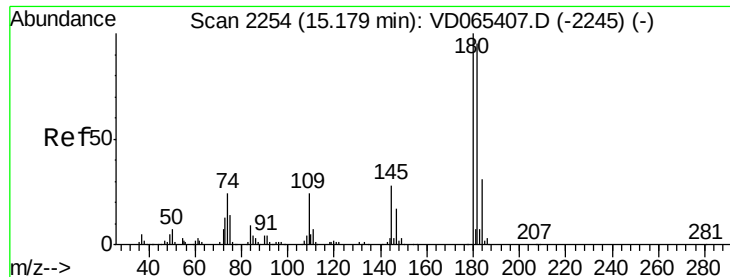
MMDadoda
 3/16/2020 12:07:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.492 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	46.4	139.1
157	120.0	60.2	180.4





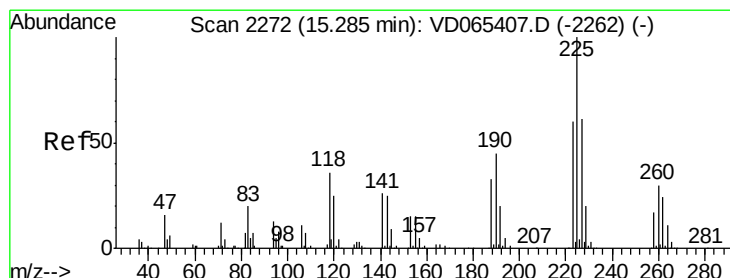
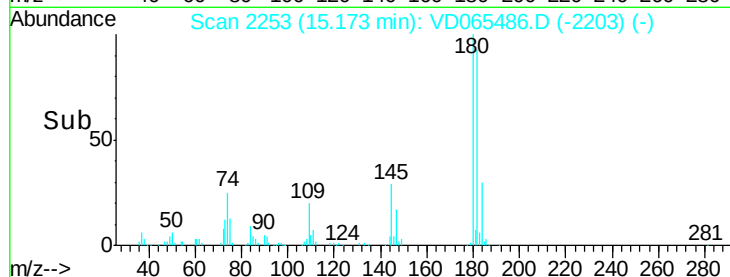
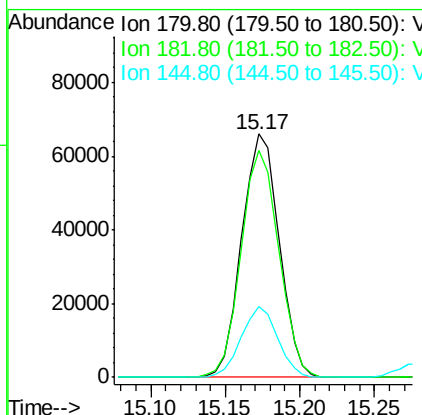
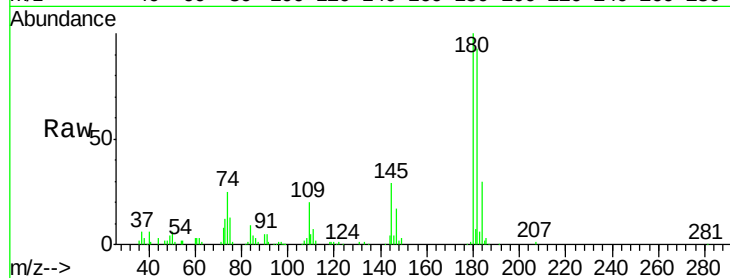
#93
 1,2,4-Trichlorobenzene
 Concen: 20.034 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114913		
182	93.8	48.3	144.9	
145	28.1	14.4	43.4	

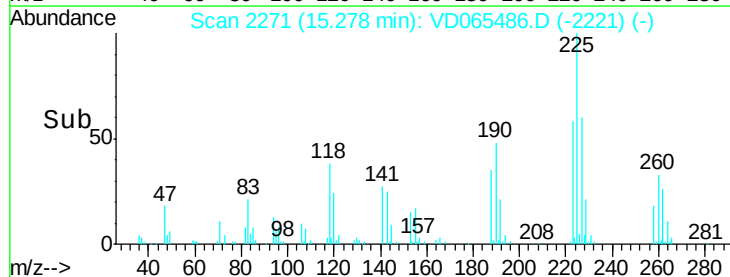
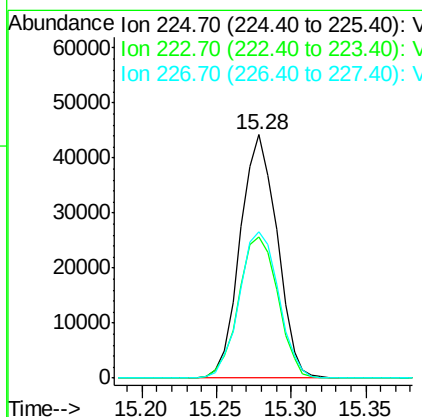
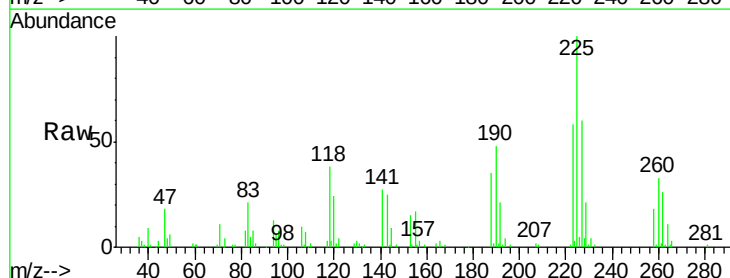
Manual Integrations
 APPROVED

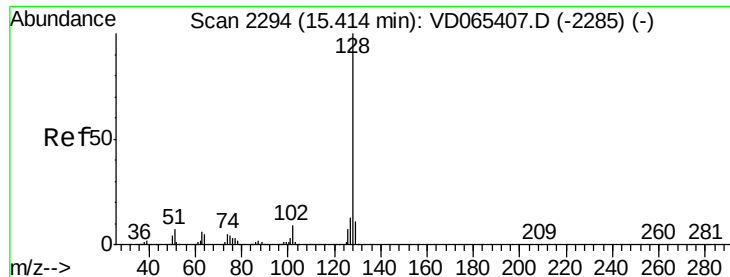
MMDadoda
 3/16/2020 12:07:01 PM



#94
 Hexachlorobutadiene
 Concen: 20.133 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75877		
223	61.7	30.9	92.5	
227	64.1	31.6	94.7	





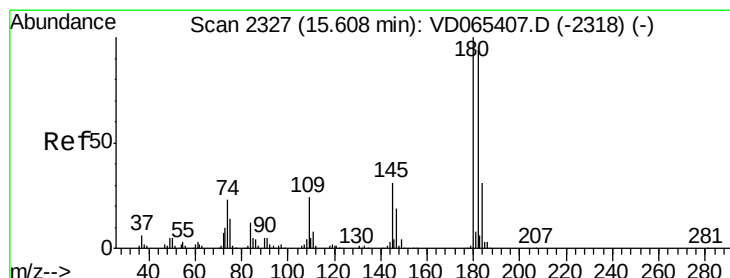
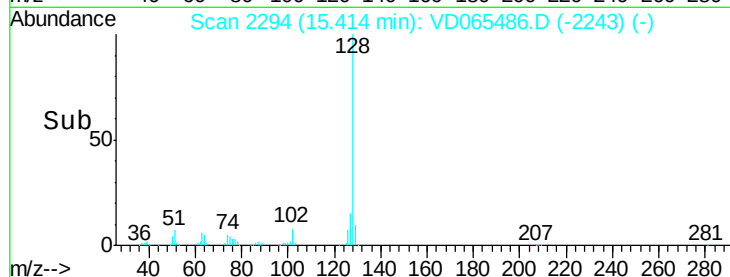
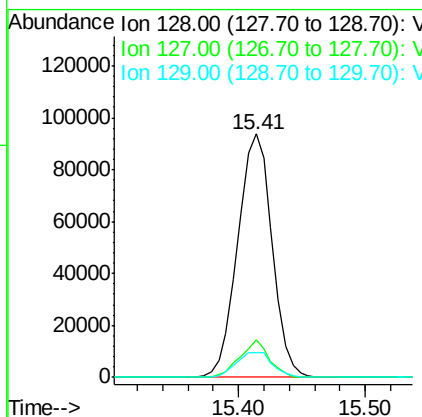
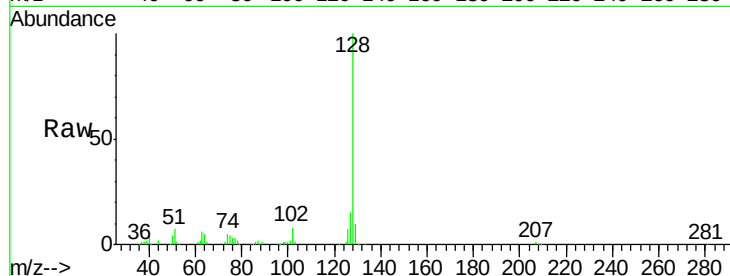
#95
Naphthalene
Concen: 20.133 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.452 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.6
145	29.5	15.0	45.1

