

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065413.D
 Acq On : 04 Mar 2020 16:05
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV030420

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:05 PM

Quant Time: Mar 05 01:34:36 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	506286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	736996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218713	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	232176	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.34	98	911686	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.64	95	285971	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192034	44.134	ug/l	98
3) Chloromethane	2.21	50	235381	44.807	ug/l	100
4) Vinyl Chloride	2.35	62	240755	46.464	ug/l	95
5) Bromomethane	2.77	94	149167	51.523	ug/l	98
6) Chloroethane	2.93	64	148384	46.758	ug/l	97
7) Trichlorofluoromethane	3.27	101	353569	46.310	ug/l	100
8) Diethyl Ether	3.71	74	107423	47.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225887	45.938	ug/l	99
10) Methyl Iodide	4.29	142	271399	53.127	ug/l	98
11) Tert butyl alcohol	5.24	59	59173	237.540	ug/l	98
12) 1,1-Dichloroethene	4.06	96	220440	46.817	ug/l	93
13) Acrolein	3.92	56	97826	227.705	ug/l	99
14) Allyl chloride	4.71	41	351576	48.606	ug/l	100
15) Acrylonitrile	5.43	53	235640	238.561	ug/l	99
16) Acetone	4.16	43	195135	222.170	ug/l	97
17) Carbon Disulfide	4.40	76	745620	47.551	ug/l	98
18) Methyl Acetate	4.72	43	105443	47.327	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	454786	50.226	ug/l	96
20) Methylene Chloride	4.96	84	245891	51.668	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255856	48.848	ug/l	98
22) Diisopropyl ether	6.37	45	683874	50.861	ug/l	98
23) Vinyl Acetate	6.31	43	1936308	259.355	ug/l	99
24) 1,1-Dichloroethane	6.27	63	412272	47.803	ug/l	98
25) 2-Butanone	7.22	43	280220	233.791	ug/l	97
26) 2,2-Dichloropropane	7.21	77	357174	47.391	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267150	49.899	ug/l	99
28) Bromochloromethane	7.55	49	172069	49.868	ug/l	99
29) Tetrahydrofuran	7.57	42	186678	243.885	ug/l	98
30) Chloroform	7.71	83	419495	48.664	ug/l	97
31) Cyclohexane	7.99	56	394978	45.801	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	381911	47.941	ug/l	100
36) 1,1-Dichloropropene	8.11	75	339527	48.060	ug/l	99
37) Ethyl Acetate	7.30	43	136350	49.935	ug/l	98
38) Carbon Tetrachloride	8.10	117	344529	47.030	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	416258	48.785	ug/l	97
40) Benzene	8.35	78	976296	49.427	ug/l	100
41) Methacrylonitrile	7.53	41	67895	47.017	ug/l	92
42) 1,2-Dichloroethane	8.43	62	252084	48.874	ug/l	99
43) Isopropyl Acetate	8.46	43	242256	48.049	ug/l	99
44) Trichloroethene	9.11	130	266838	47.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	239312	50.017	ug/l	94
46) Dibromomethane	9.48	93	120366	48.499	ug/l	98
47) Bromodichloromethane	9.67	83	318657	49.354	ug/l	97
48) Methyl methacrylate	9.46	41	117419	49.510	ug/l	100
49) 1,4-Dioxane	9.47	88	26803	944.153	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	628301	247.640	ug/l	100
52) Toluene	10.41	92	621285	49.929	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299545	49.645	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	371318	50.842	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	168485	47.932	ug/l	98
56) Ethyl methacrylate	10.67	69	204963	51.723	ug/l	98
57) 1,3-Dichloropropane	10.95	76	291421	48.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287136	231.996	ug/l	99
59) 2-Hexanone	10.99	43	432114	246.034	ug/l	99
60) Dibromochloromethane	11.14	129	217617	48.297	ug/l	98
61) 1,2-Dibromoethane	11.25	107	163166	48.665	ug/l	99
64) Tetrachloroethene	10.88	164	229949	48.897	ug/l	98
65) Chlorobenzene	11.67	112	643773	49.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	239075	50.545	ug/l	97
67) Ethyl Benzene	11.75	91	1146329	51.083	ug/l	99
68) m/p-Xylenes	11.86	106	884558	102.228	ug/l	99
69) o-Xylene	12.18	106	399566	52.496	ug/l	99
70) Styrene	12.20	104	706973	52.777	ug/l	100
71) Bromoform	12.37	173	129890	48.889	ug/l #	99
73) Isopropylbenzene	12.48	105	1087238	52.276	ug/l	100
74) N-amyl acetate	12.30	43	219389	51.525	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	176090	48.167	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	137967m	55.295	ug/l	
77) Bromobenzene	12.77	156	259931	50.303	ug/l	99
78) n-propylbenzene	12.83	91	1288783	52.226	ug/l	99
79) 2-Chlorotoluene	12.91	91	715687	51.460	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	879494	51.437	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	58807	49.738	ug/l	99
82) 4-Chlorotoluene	13.01	91	743032	50.842	ug/l	100
83) tert-Butylbenzene	13.23	119	754155	52.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	879462	52.181	ug/l	99
85) sec-Butylbenzene	13.41	105	1064646	51.561	ug/l	100
86) p-Isopropyltoluene	13.53	119	972162	51.597	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	491993	49.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	483406	48.917	ug/l	100
89) n-Butylbenzene	13.86	91	884946	50.804	ug/l	99
90) Hexachloroethane	14.12	117	190412	49.074	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422657	49.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25279	45.403	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	280188	48.899	ug/l	99
94) Hexachlorobutadiene	15.28	225	178341	47.368	ug/l	99
95) Naphthalene	15.41	128	473200	46.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	247250	49.935	ug/l	98

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

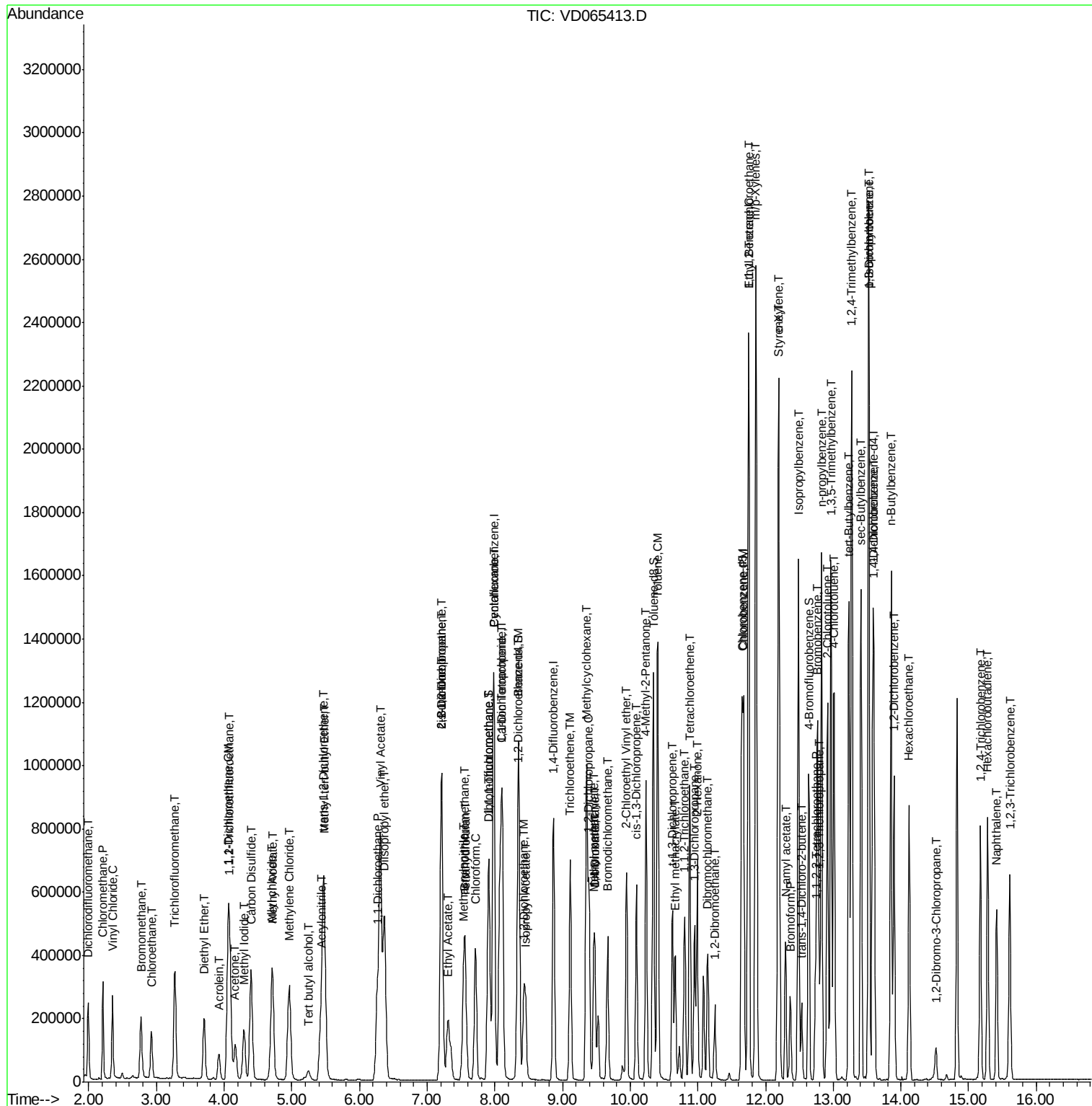
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030420\
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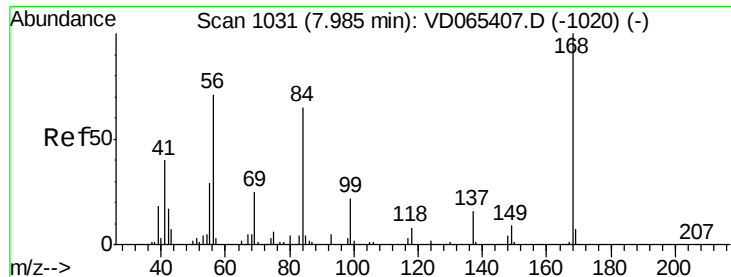
Instrument :
MSVOA_D
Client Sample ID :
ICVVD030420

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion:168 Resp: 506286

Ion Ratio Lower Upper

168 100

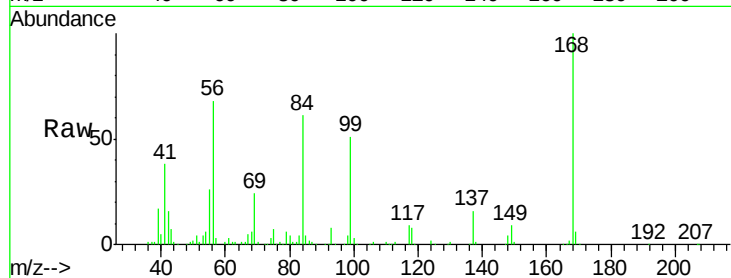
99 50.6 41.5 62.3

Manual Integrations

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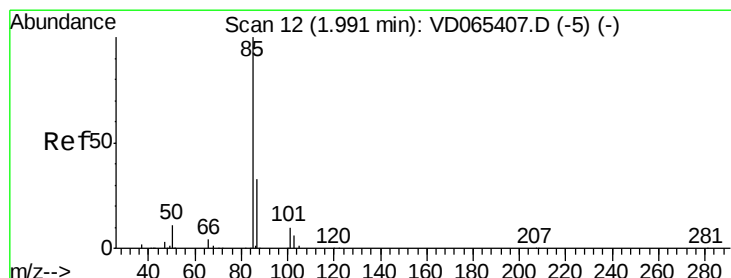
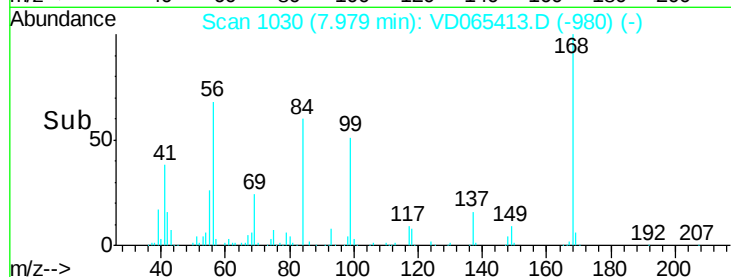
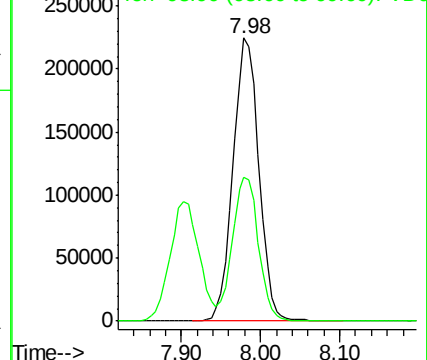
MMDadoda

3/5/2020 1:39:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.134 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065413.D

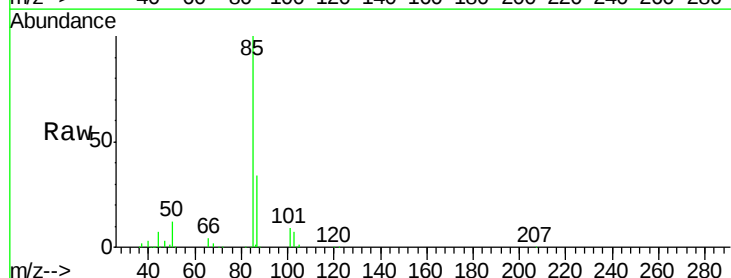
Acq: 04 Mar 2020 16:05

Tgt Ion: 85 Resp: 192034

Ion Ratio Lower Upper

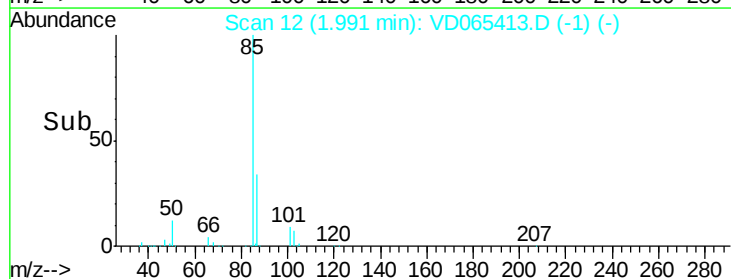
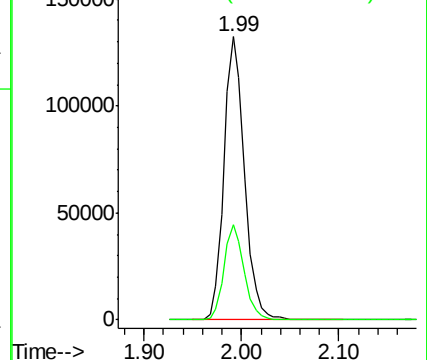
85 100

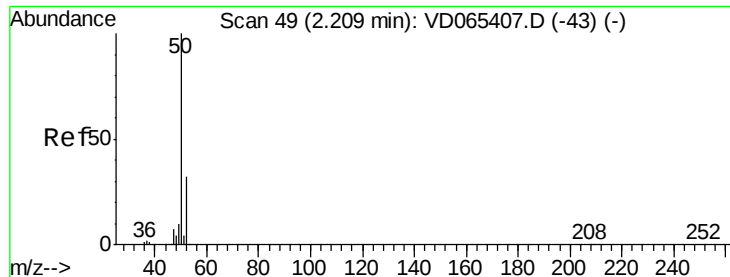
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.807 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion: 50 Resp: 235381

Ion Ratio Lower Upper

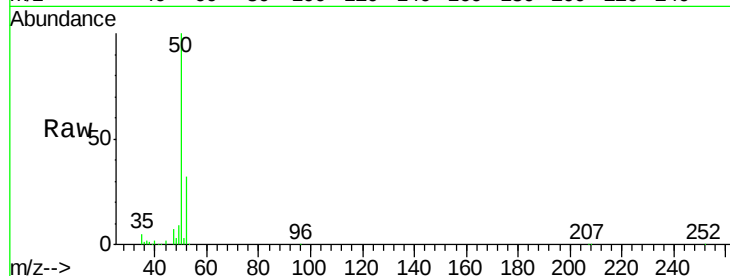
50 100

52 32.4 25.8 38.8

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

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

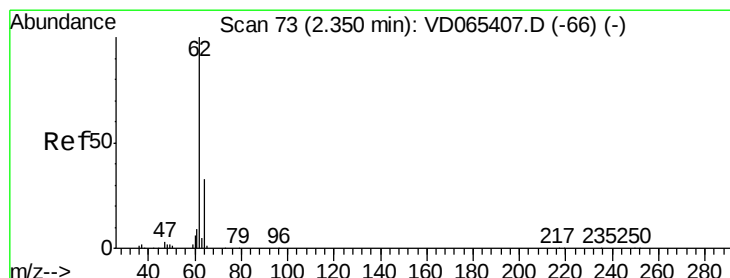
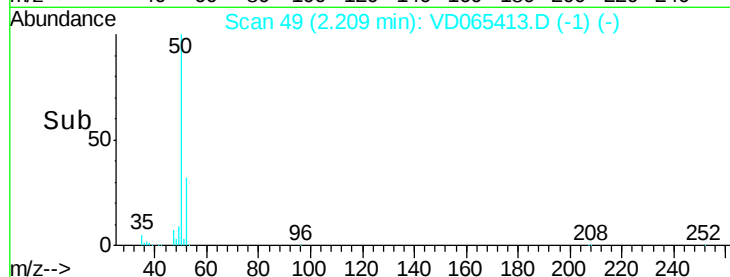
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.464 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065413.D

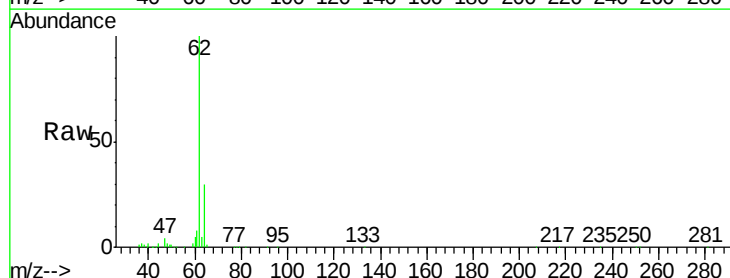
Acq: 04 Mar 2020 16:05

Tgt Ion: 62 Resp: 240755

Ion Ratio Lower Upper

62 100

64 30.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

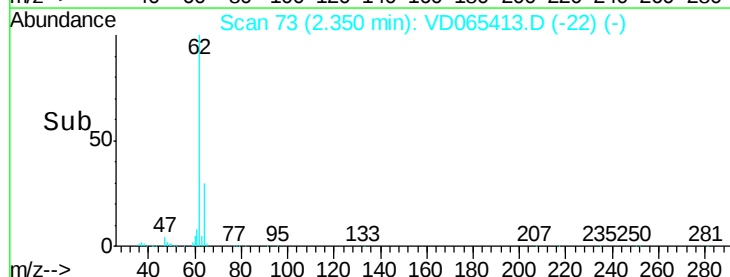
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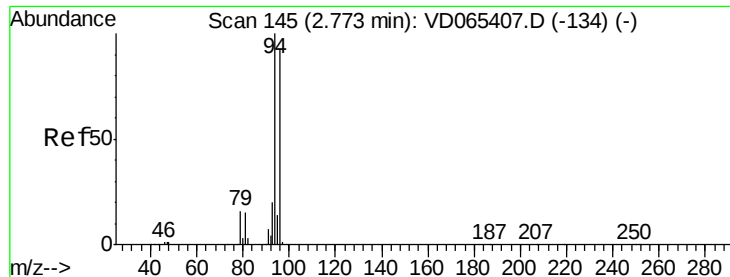
100000

50000

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Time-->





#5

Bromomethane

Concen: 51.523 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

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ClientSampleId :

ICVVD030420

Tot Ion: 94 Resp: 149167

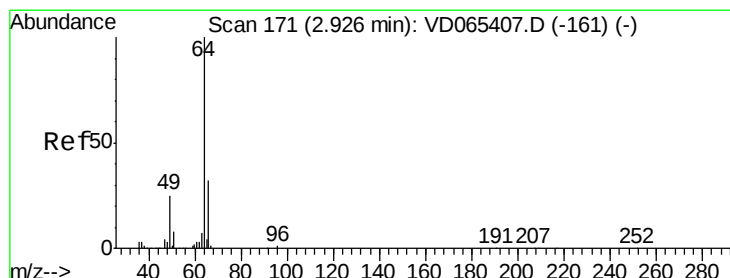
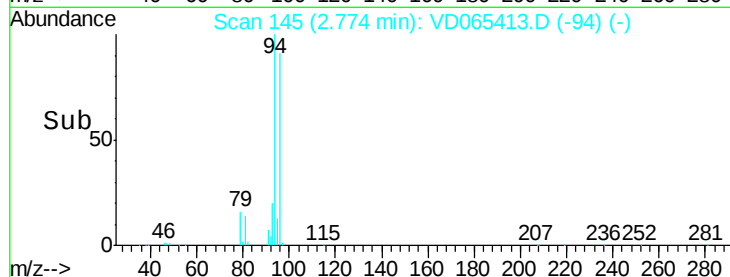
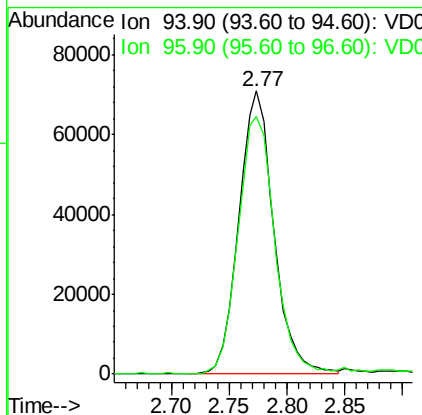
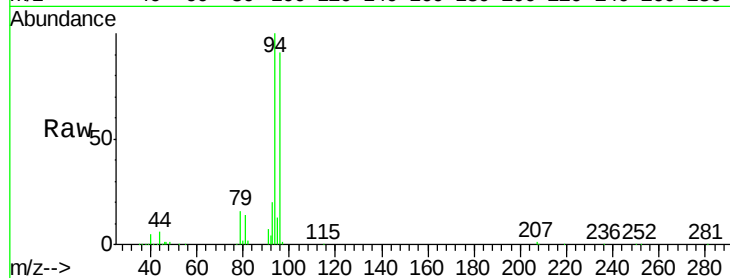
Ion Ratio Lower Upper

94 100

96 90.8 74.4 111.6

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#6

Chloroethane

Concen: 46.758 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065413.D

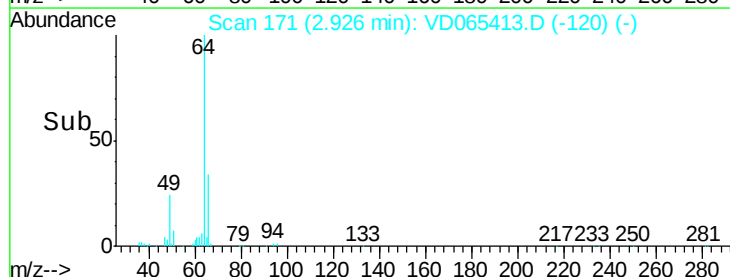
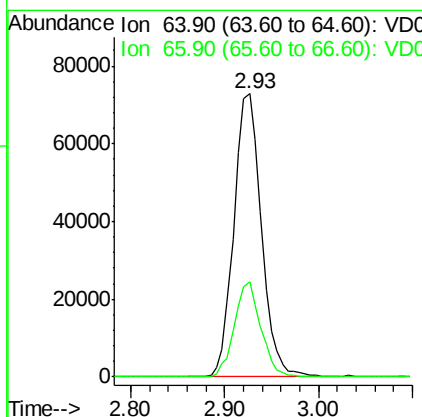
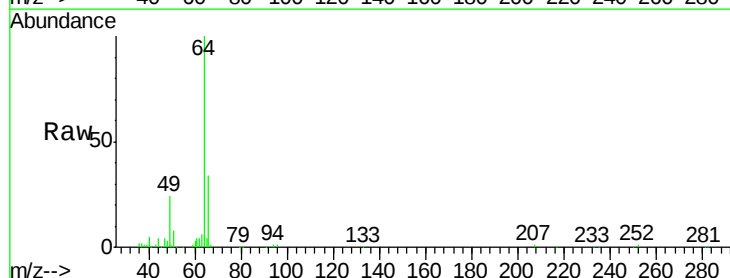
Acq: 04 Mar 2020 16:05

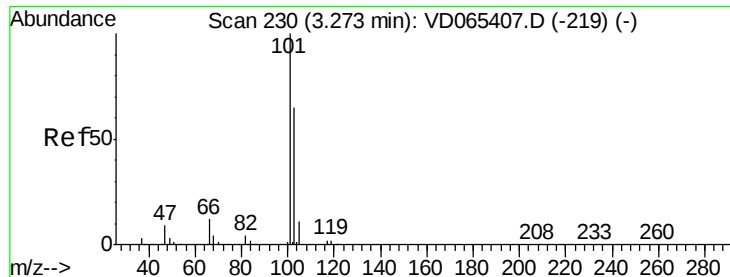
Tgt Ion: 64 Resp: 148384

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4





#7

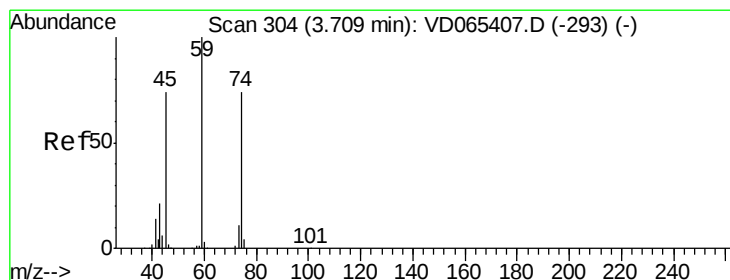
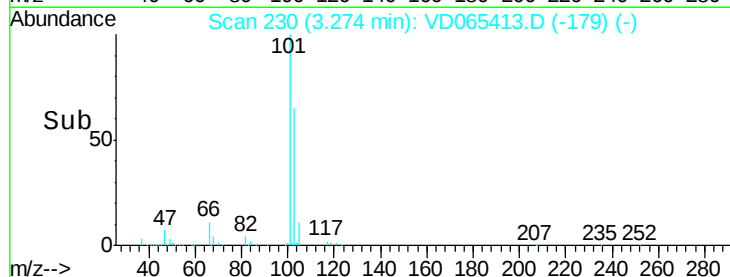
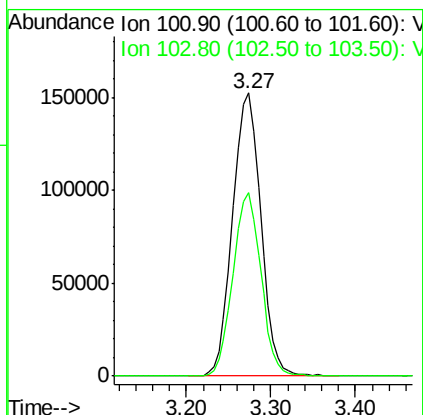
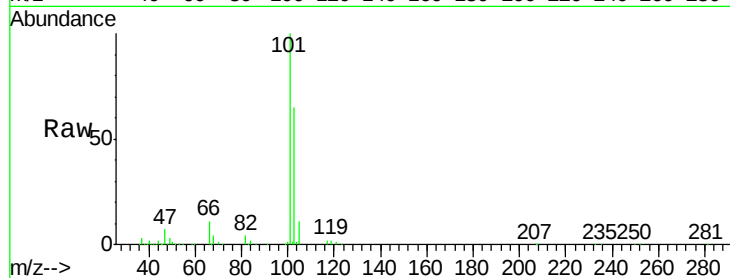
Trichlorofluoromethane
Concen: 46.310 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065413.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

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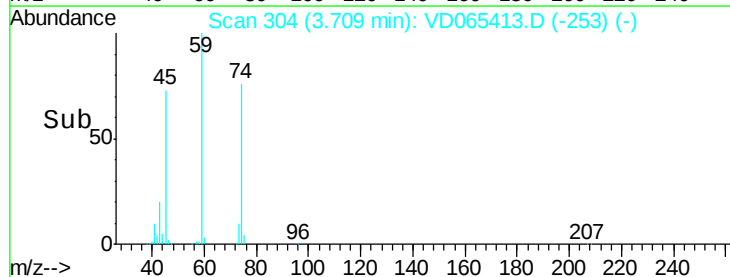
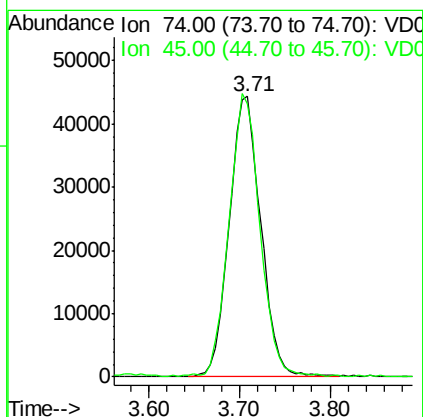
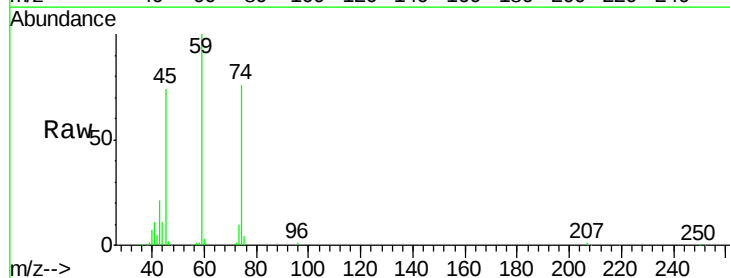
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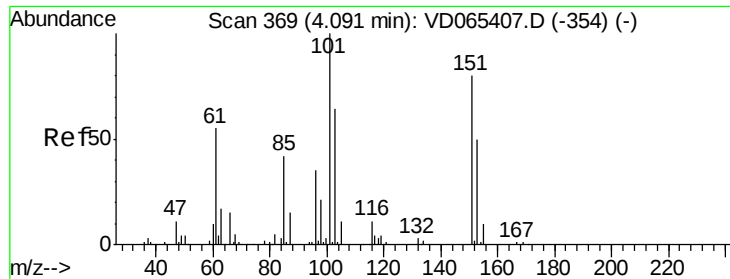


#8

Diethyl Ether
Concen: 47.313 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.938 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

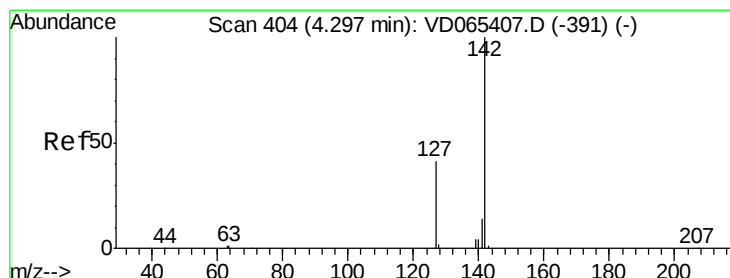
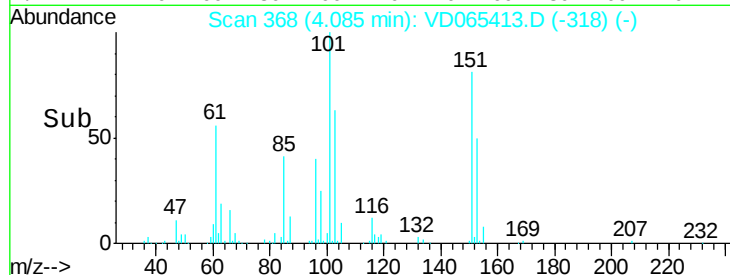
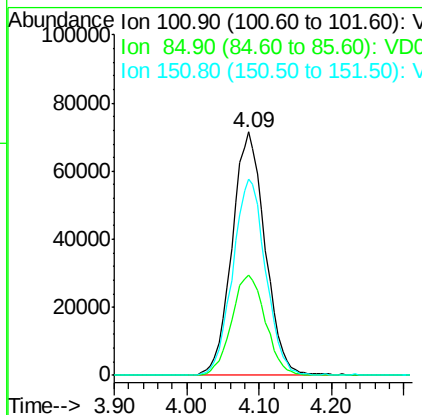
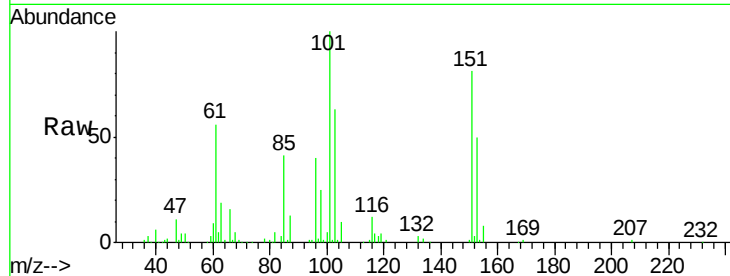
ClientSampleId :

ICVVD030420

Tot Ion:	101	Resp:	225887
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	80.5	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.127 ug/l

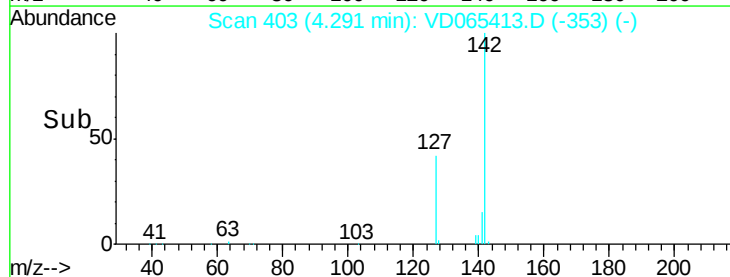
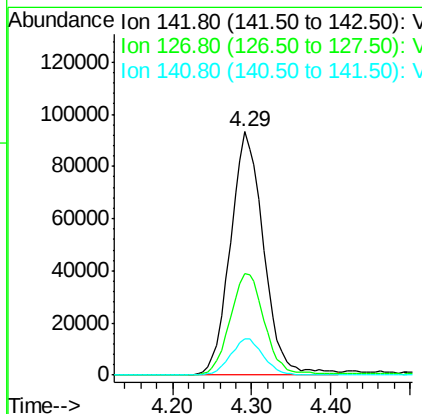
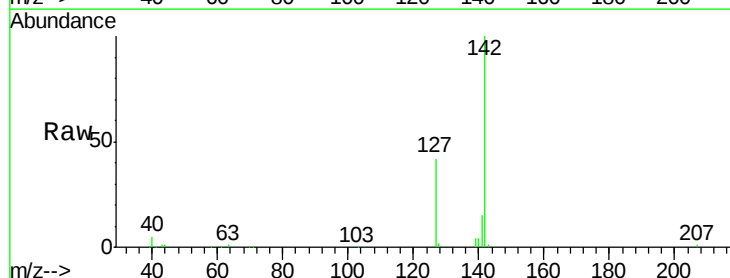
RT: 4.29 min Scan# 403

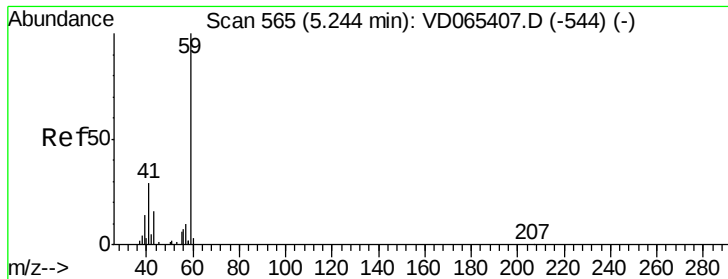
Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion:	142	Resp:	271399
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.0	52.6
141	14.5	12.4	18.6





#11

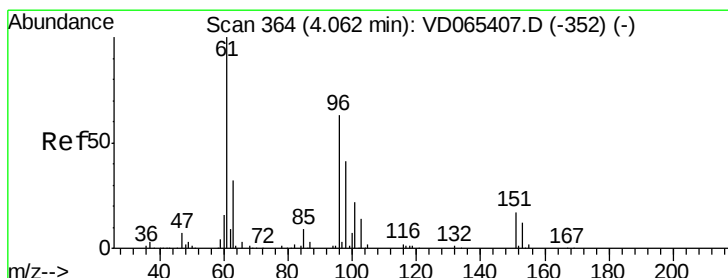
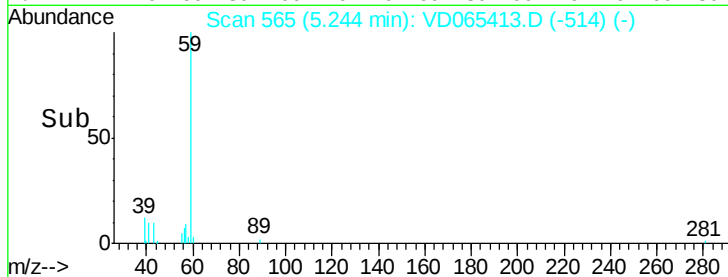
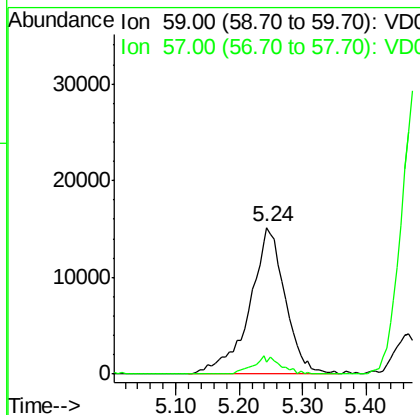
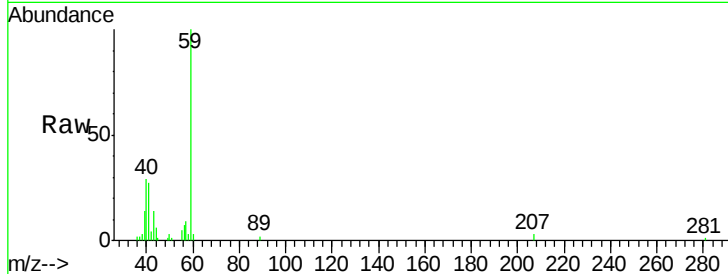
Tert butyl alcohol
Concen: 237.540 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	59	Resp	59173
Ion Ratio	100	Lower	Upper
57	9.3	6.9	10.3

Manual Integrations
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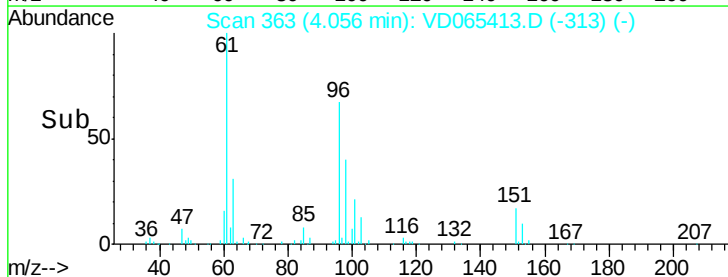
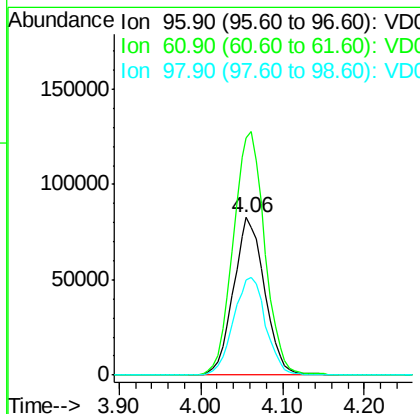
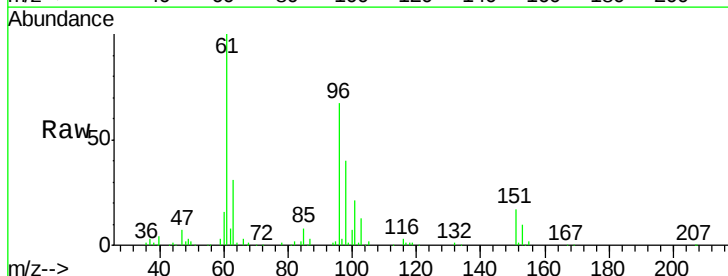
MMDadoda
3/5/2020 1:39:05 PM

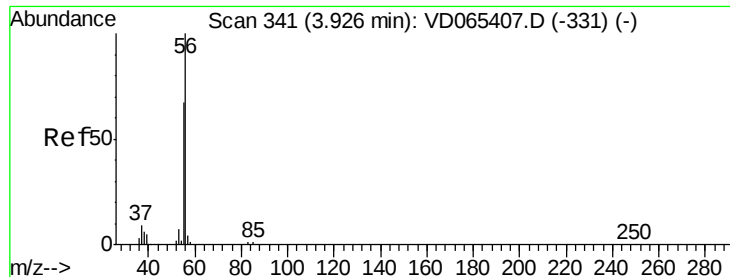


#12

1,1-Dichloroethene
Concen: 46.817 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	96	Resp	220440
Ion Ratio	100	Lower	Upper
61	150.3	128.0	192.0
98	60.7	51.9	77.9





#13

Acrolein

Concen: 227.705 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion: 56 Resp: 97826

Ion Ratio Lower Upper

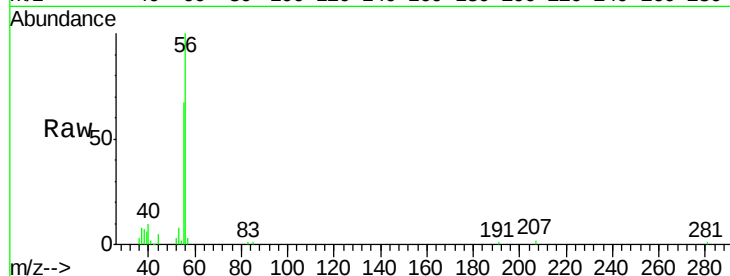
56 100

55 71.4 56.6 85.0

Manual Integrations
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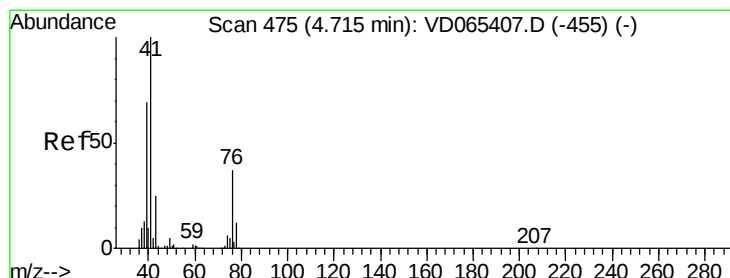
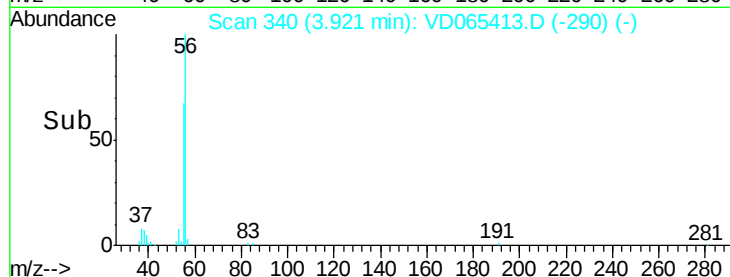
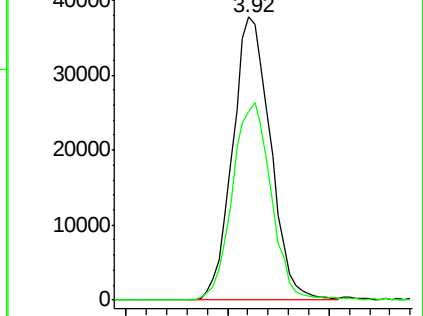
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.606 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

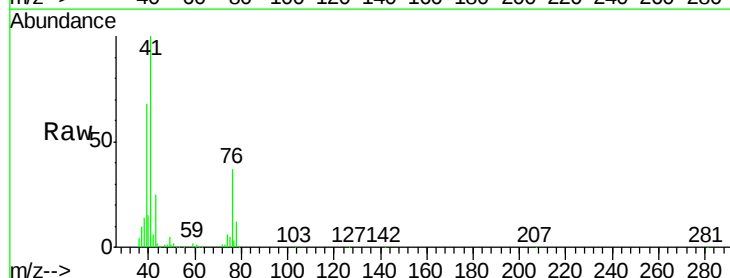
Tgt Ion: 41 Resp: 351576

Ion Ratio Lower Upper

41 100

39 65.9 52.6 79.0

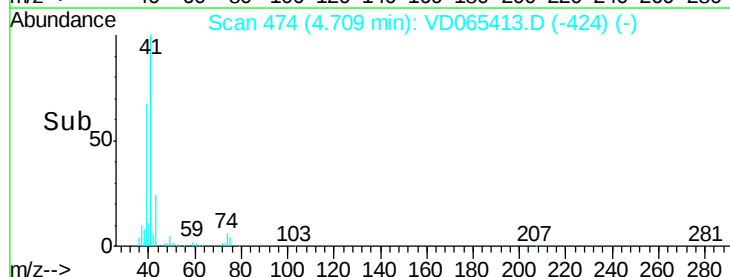
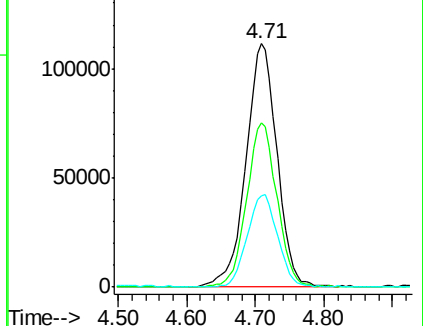
76 36.8 29.2 43.8

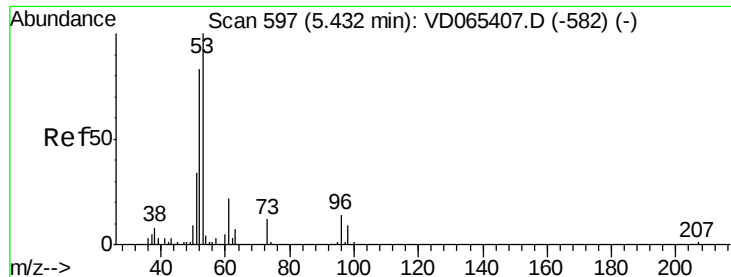


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 238.561 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

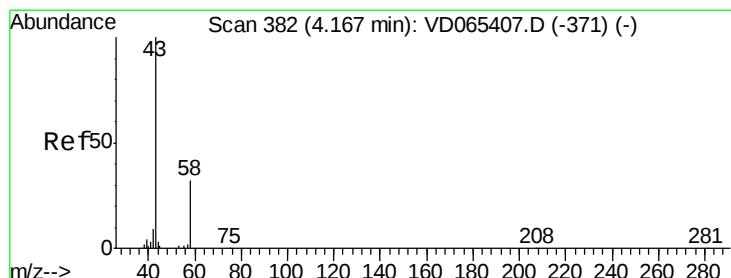
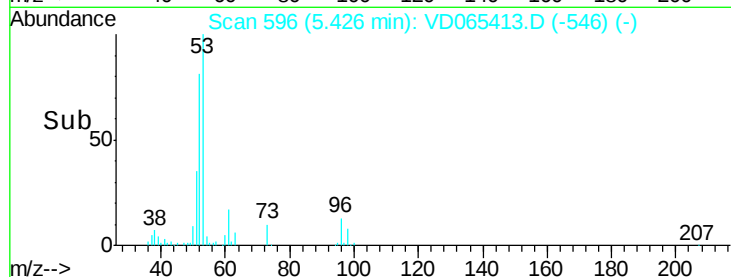
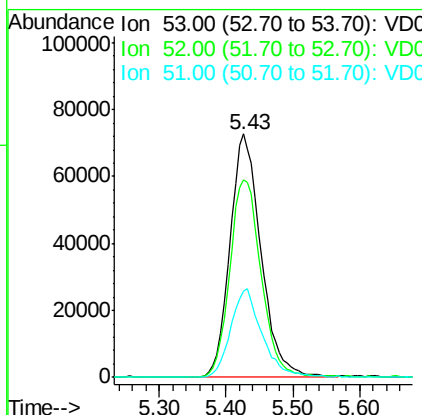
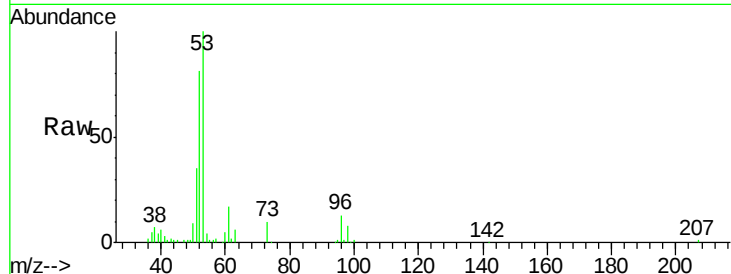
ClientSampleId :

ICVVD030420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		235640		
52	81.7	65.1	97.7		
51	36.6	28.5	42.7		

Manual Integrations
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3/5/2020 1:39:05 PM



#16

Acetone

Concen: 222.170 ug/l

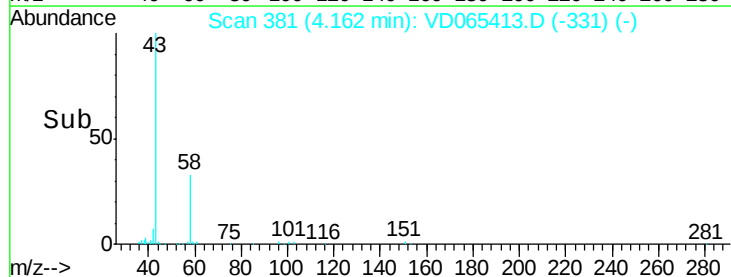
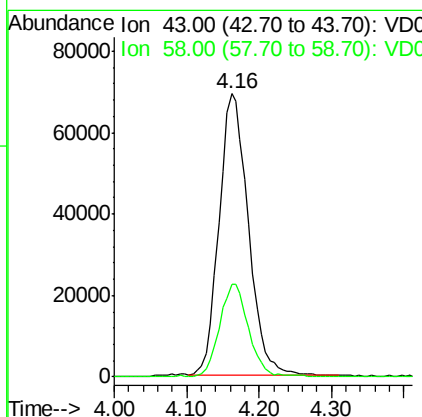
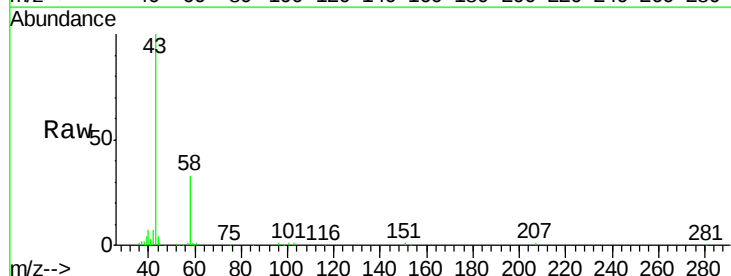
RT: 4.16 min Scan# 381

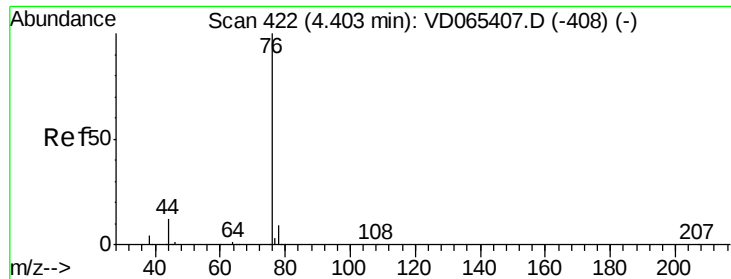
Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		195135		
58	32.9	25.1	37.7		





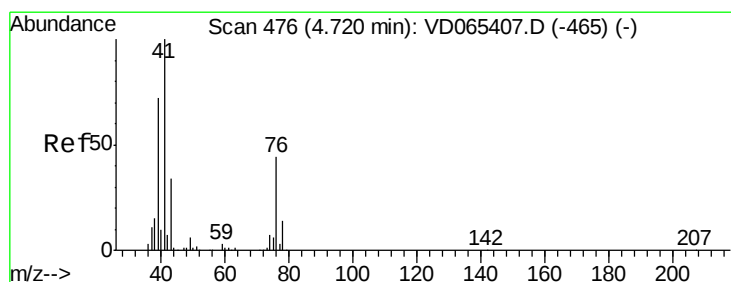
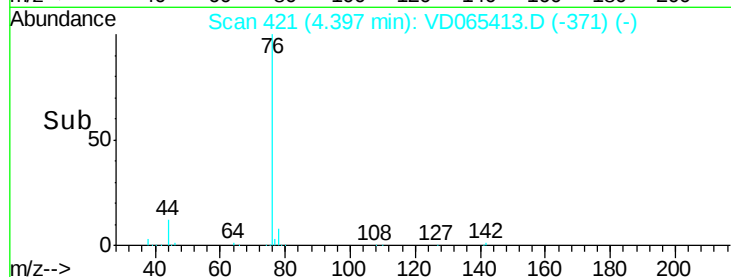
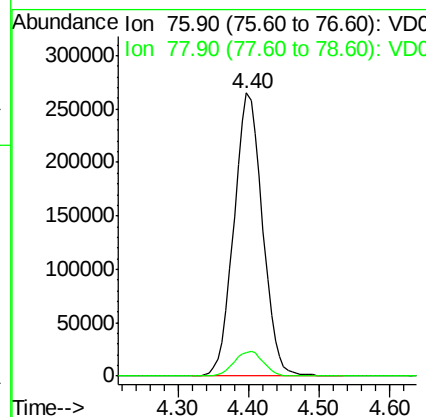
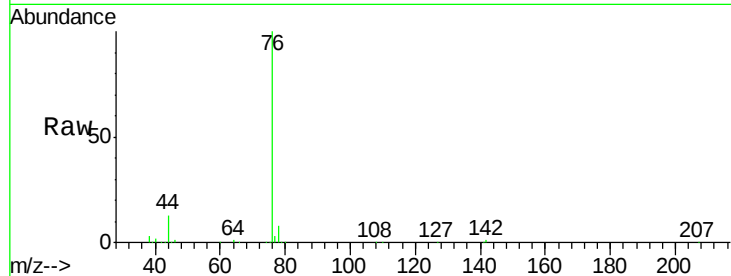
#17
Carbon Disulfide
Concen: 47.551 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

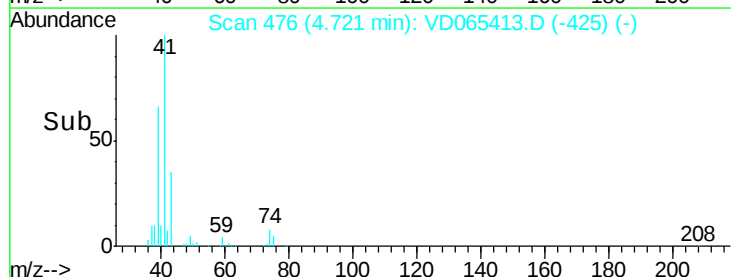
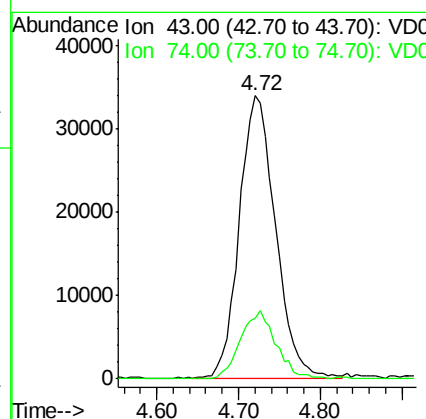
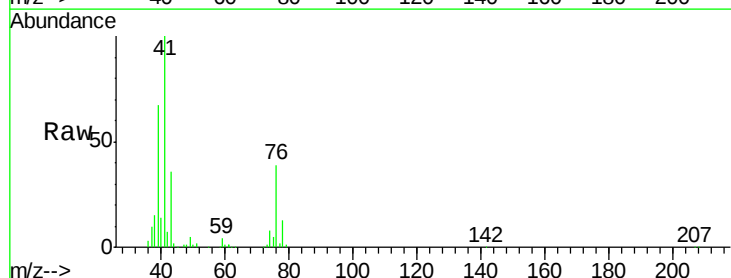
Manual Integrations
APPROVED

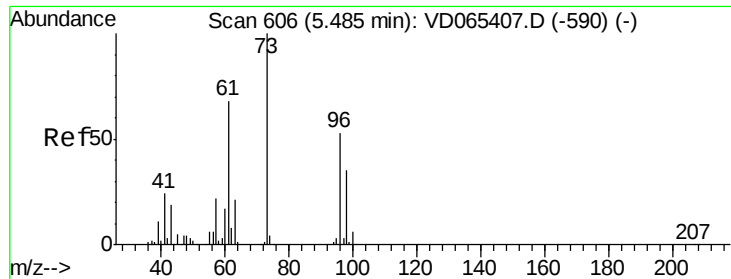
MMDadoda
3/5/2020 1:39:05 PM



#18
Methyl Acetate
Concen: 47.327 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.6	29.4





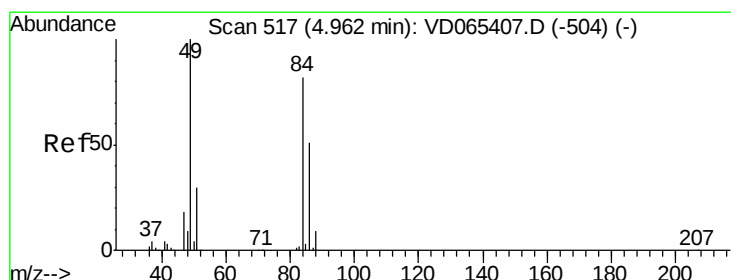
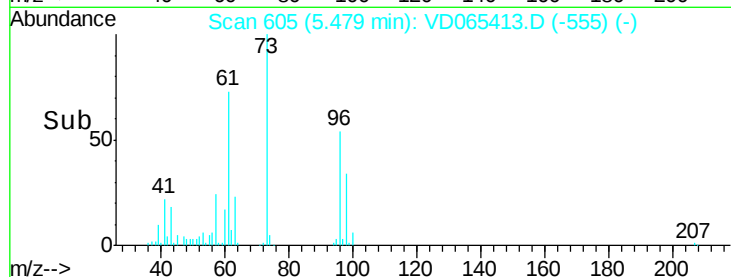
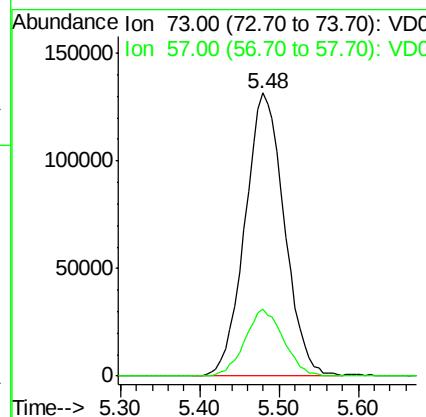
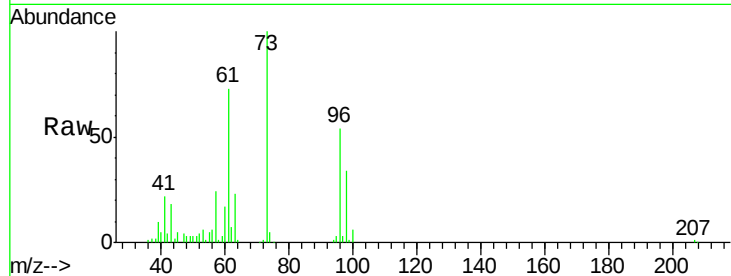
#19
Methyl tert-butyl Ether
Concen: 50.226 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.3	25.9

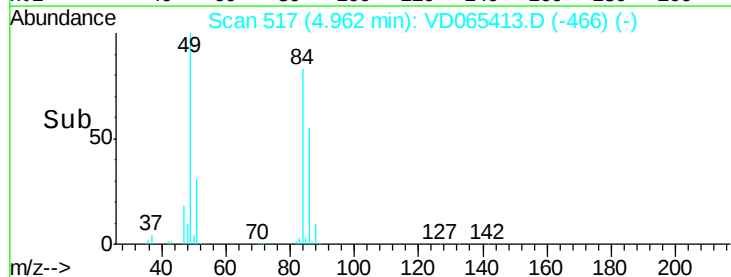
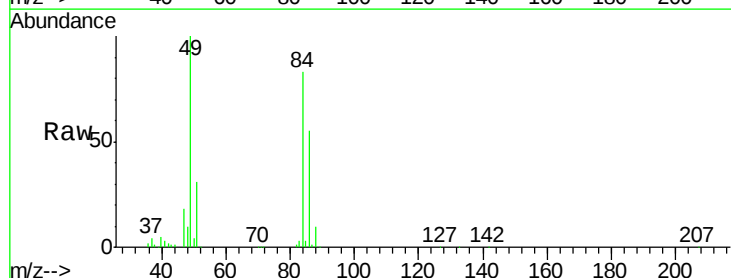
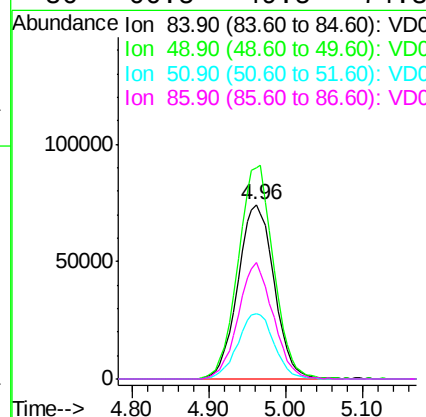
Manual Integrations
APPROVED

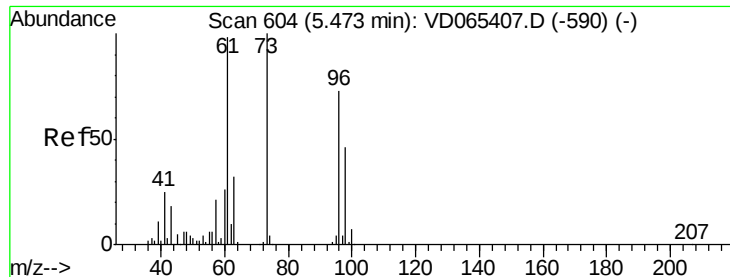
MMDadoda
3/5/2020 1:39:05 PM



#20
Methylene Chloride
Concen: 51.668 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	97.7	146.5
51	37.4	28.8	43.2
86	66.5	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 48.848 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

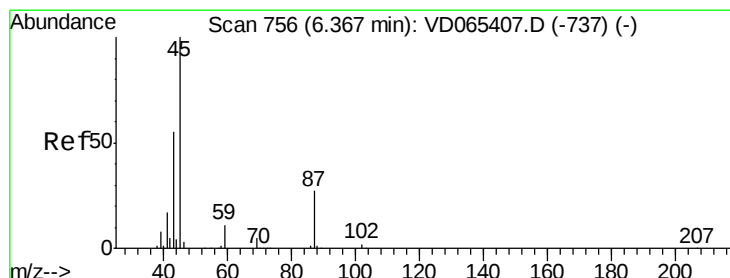
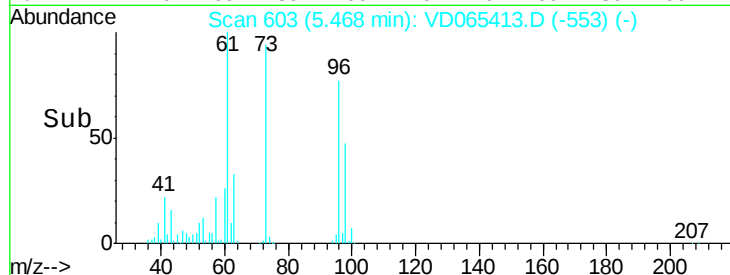
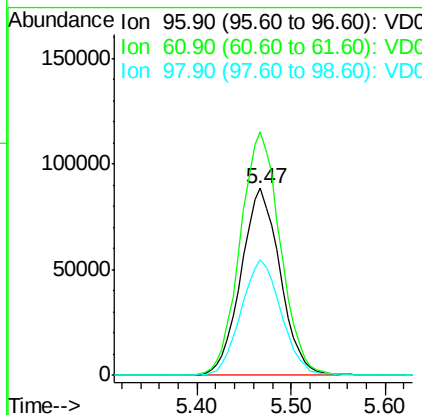
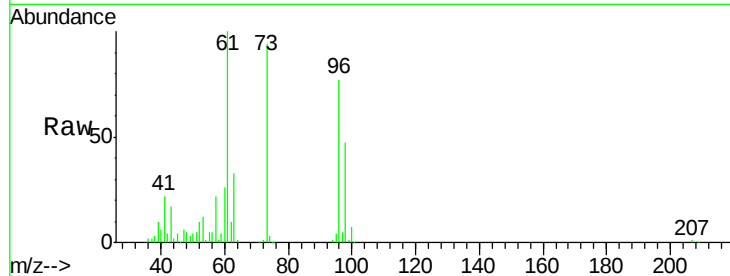
ClientSampleId :

ICVVD030420

Tot Ion:	96	Resp:	255856
Ion	Ratio	Lower	Upper
96	100		
61	130.3	106.3	159.5
98	61.6	50.2	75.4

Manual Integrations
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3/5/2020 1:39:05 PM



#22

Diisopropyl ether

Concen: 50.861 ug/l

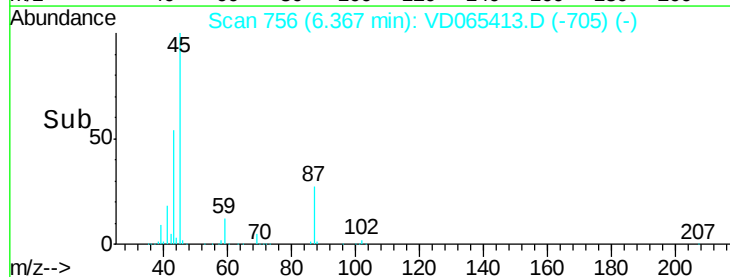
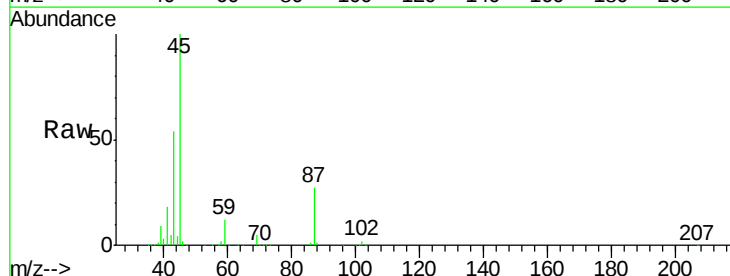
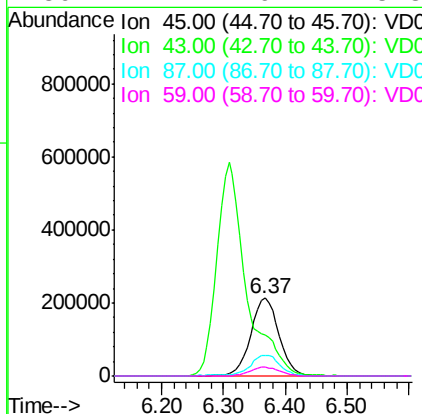
RT: 6.37 min Scan# 756

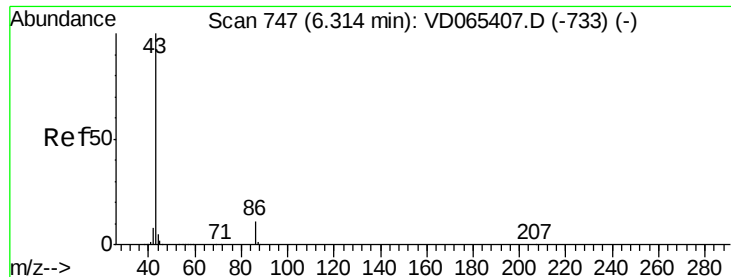
Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion:	45	Resp:	683874
Ion	Ratio	Lower	Upper
45	100		
43	53.4	44.4	66.6
87	26.8	21.9	32.9
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 259.355 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tot Ion: 43 Resp: 1936308

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

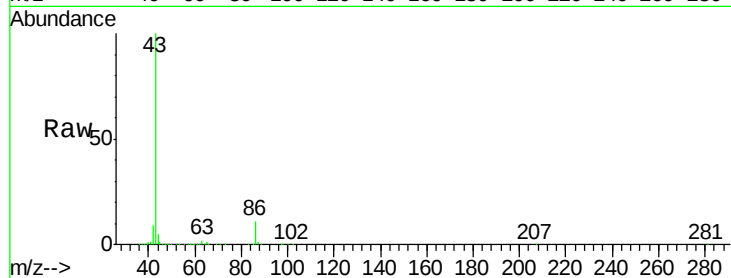
ICVVD030420

Manual Integrations

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MMDadoda

3/5/2020 1:39:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

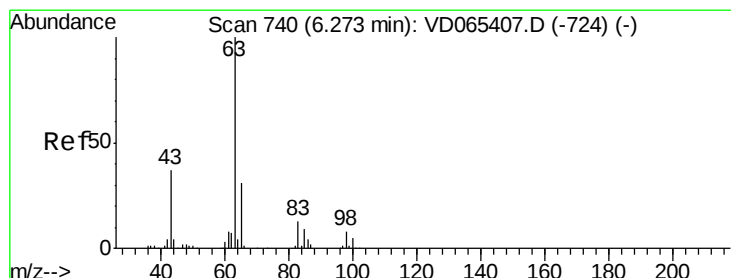
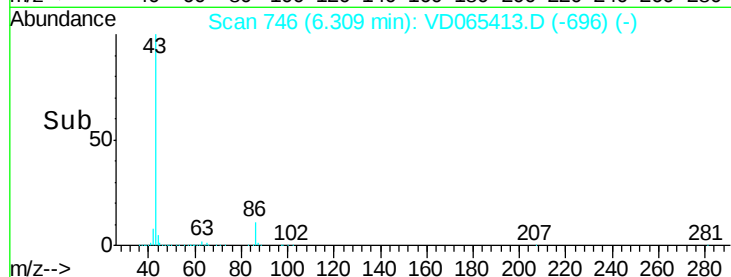
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 47.803 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

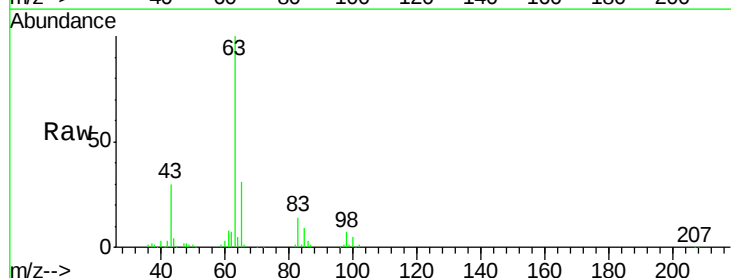
Tgt Ion: 63 Resp: 412272

Ion Ratio Lower Upper

63 100

98 7.2 4.2 12.6

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

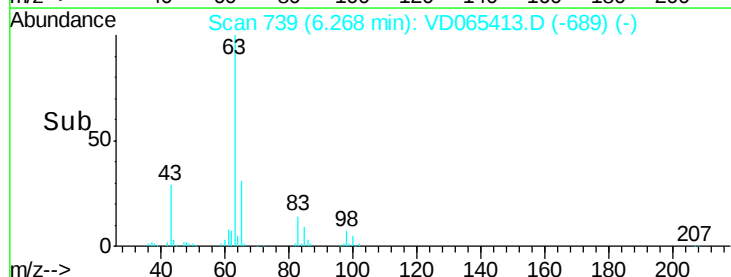
150000

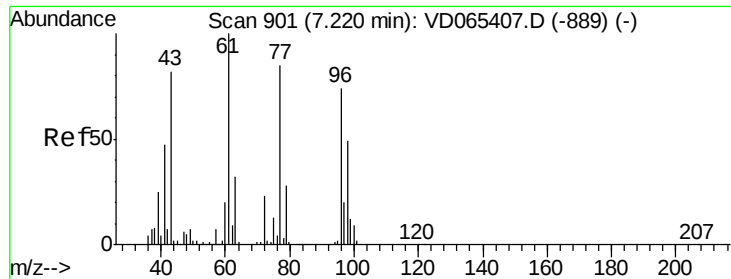
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





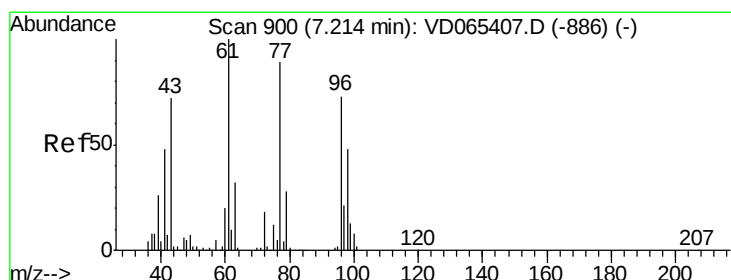
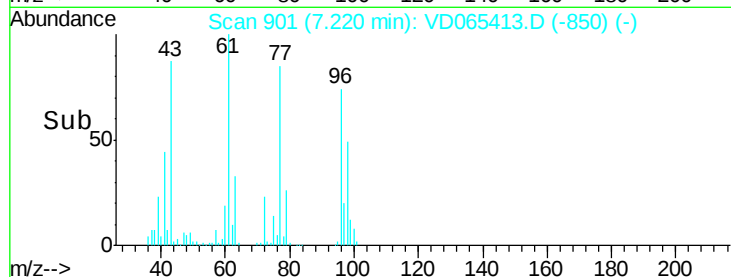
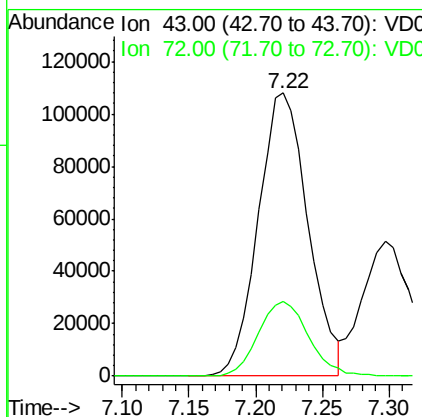
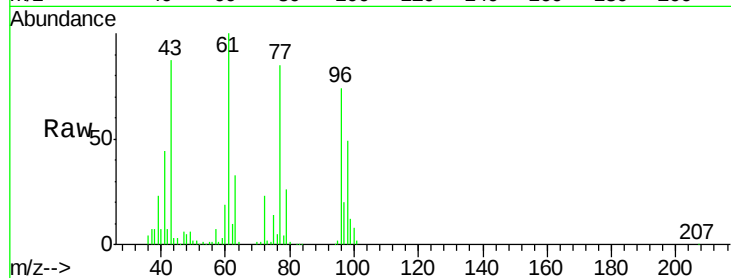
#25
2-Butanone
Concen: 233.791 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion: 43 Resp: 280220
Ion Ratio Lower Upper
43 100
72 26.5 22.3 33.5

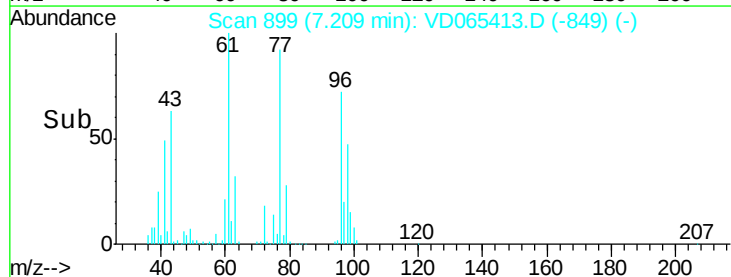
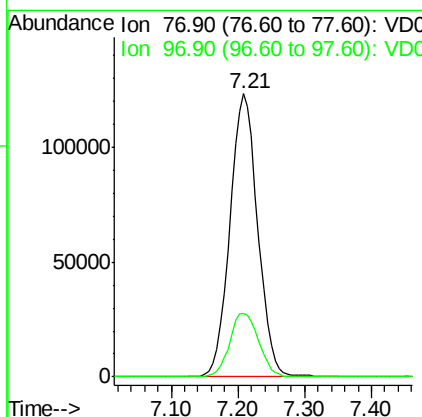
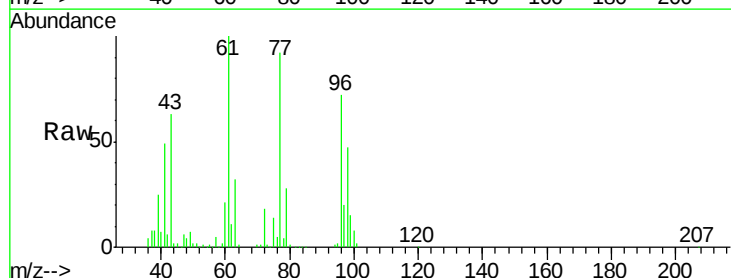
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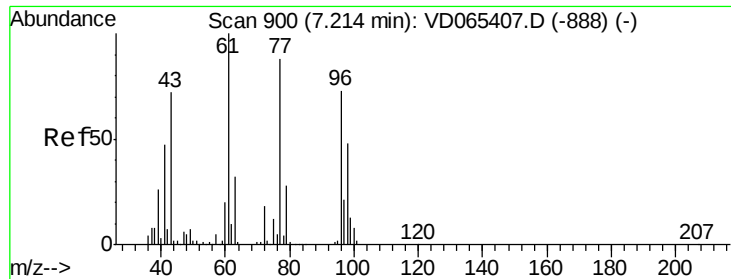
MMDadoda
3/5/2020 1:39:05 PM



#26
2,2-Dichloropropane
Concen: 47.391 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 77 Resp: 357174
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





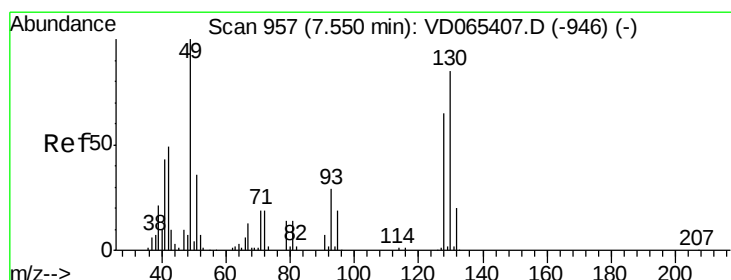
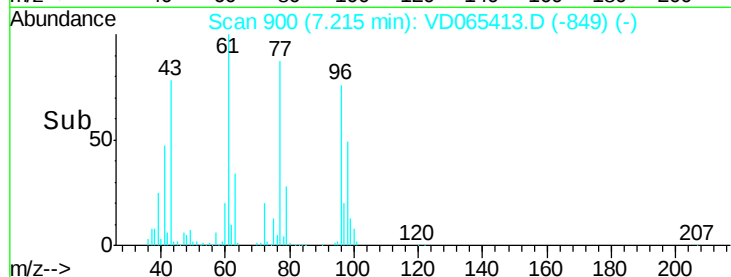
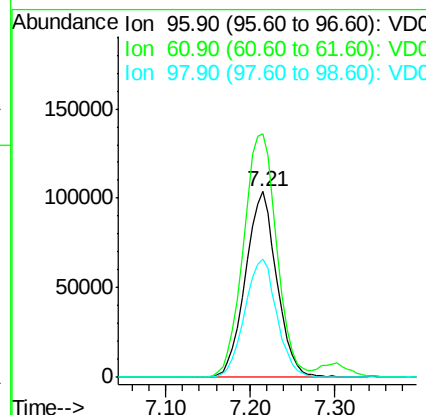
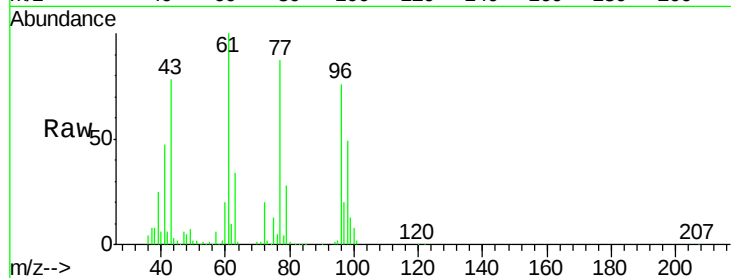
#27
 cis-1,2-Dichloroethene
 Concen: 49.899 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Resp	Lower	Upper
96	100	267150		
61	139.2	0.0	280.4	
98	65.3	0.0	132.6	

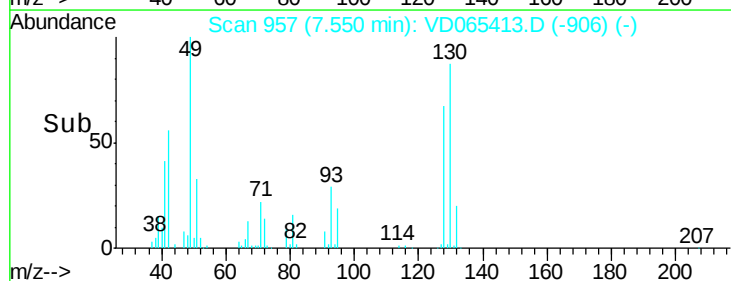
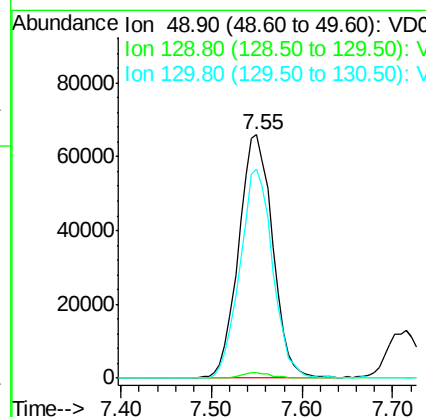
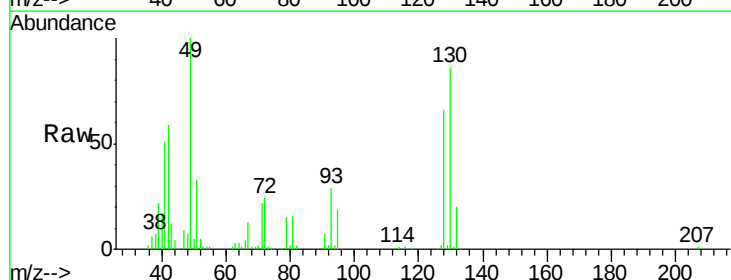
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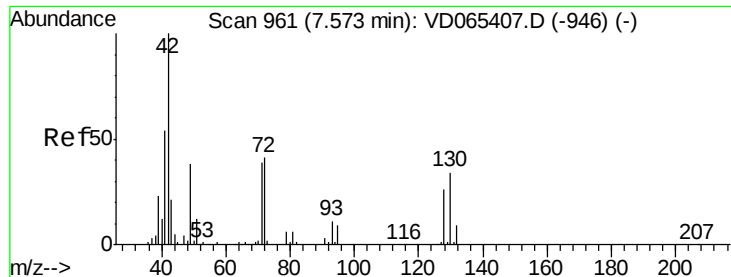
MMDadoda
 3/5/2020 1:39:05 PM



#28
 Bromochloromethane
 Concen: 49.868 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172069		
129	2.0	0.0	4.6	
130	82.8	66.6	100.0	





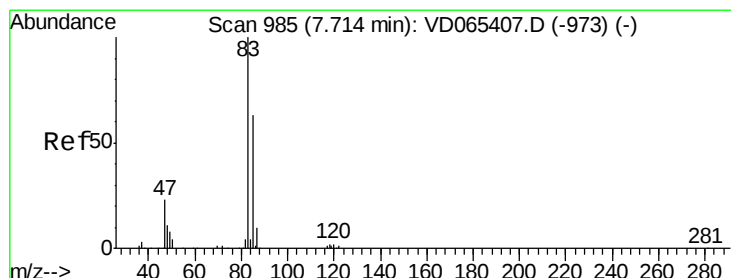
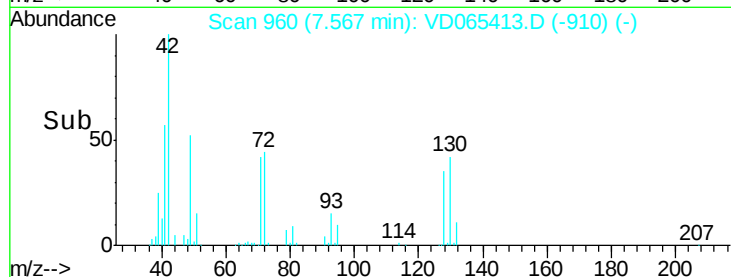
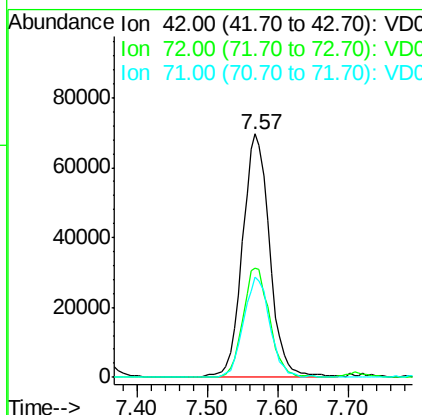
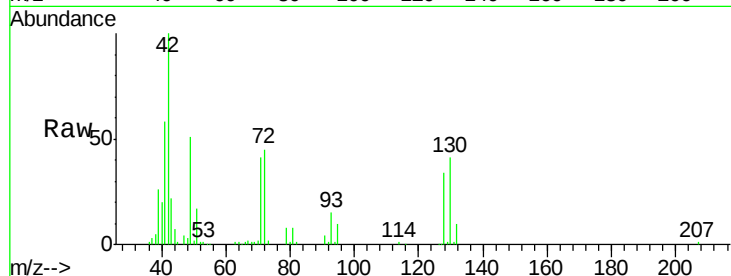
#29
Tetrahydrofuran
Concen: 243.885 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	33.0	49.6
71	39.8	32.0	48.0

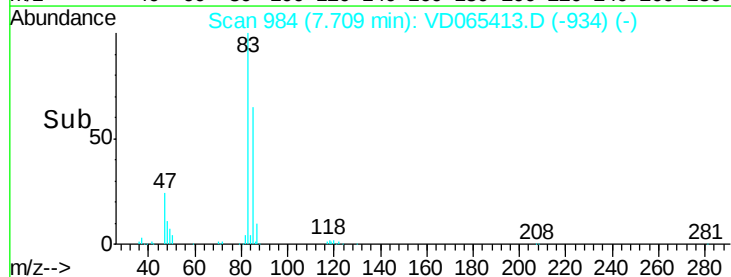
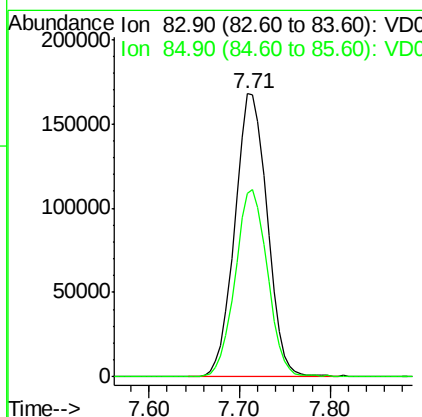
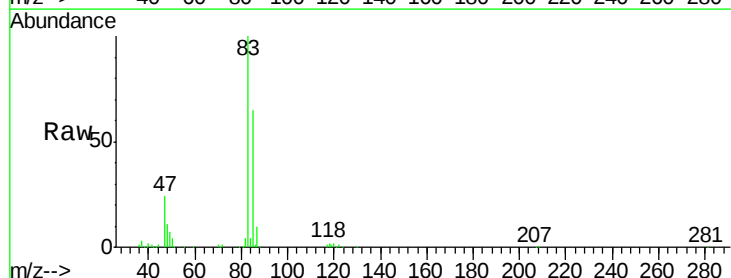
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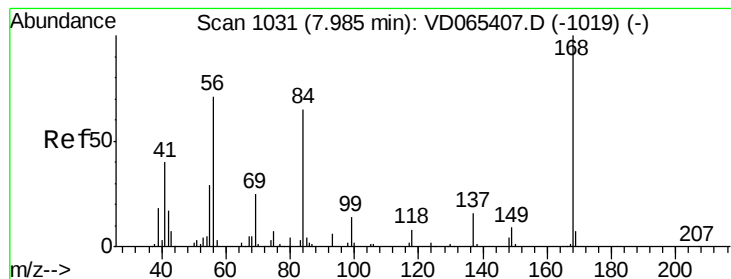
MMDadoda
3/5/2020 1:39:05 PM



#30
Chloroform
Concen: 48.664 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5





#31

Cyclohexane

Concen: 45.801 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion: 56 Resp: 394978

Ion Ratio Lower Upper

56 100

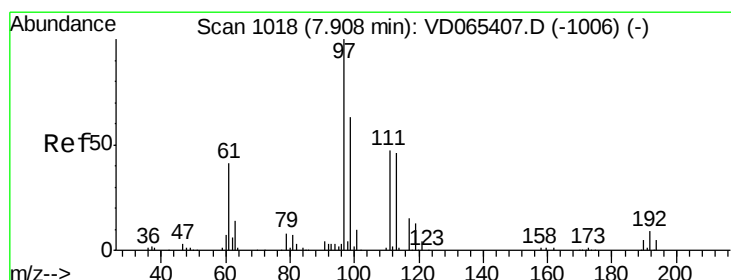
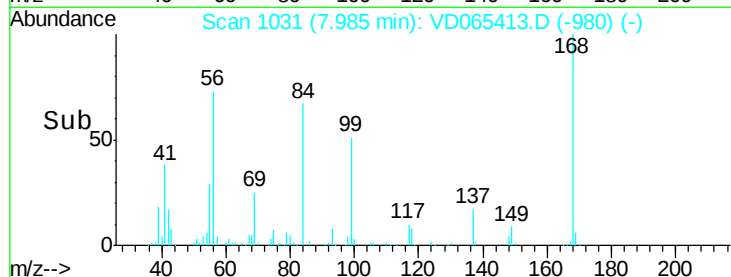
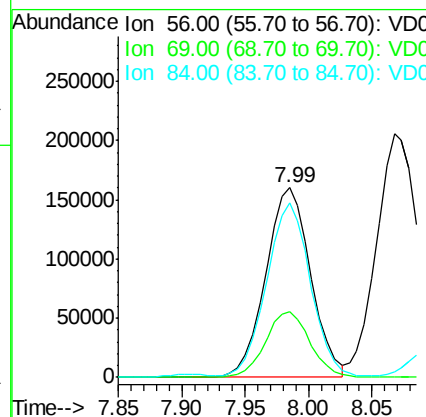
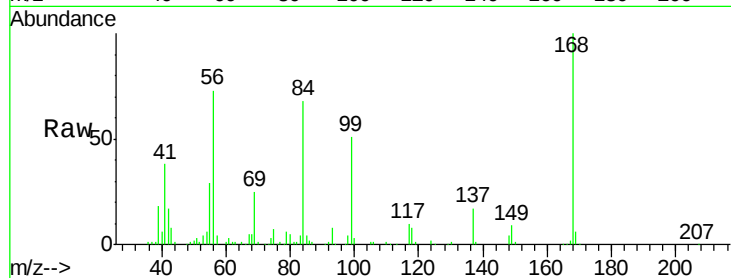
69 34.7 28.3 42.5

84 90.8 73.1 109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.941 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

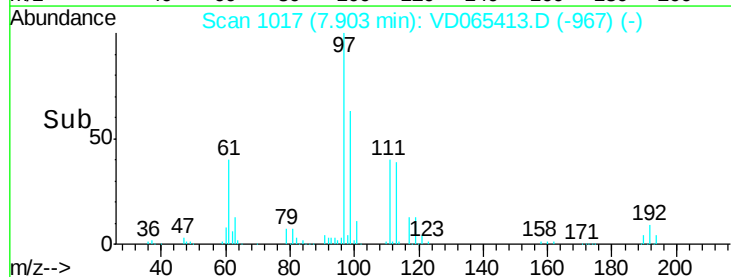
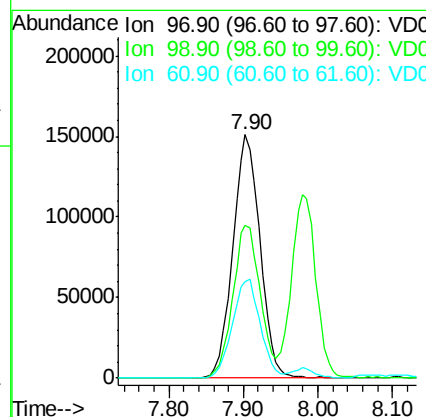
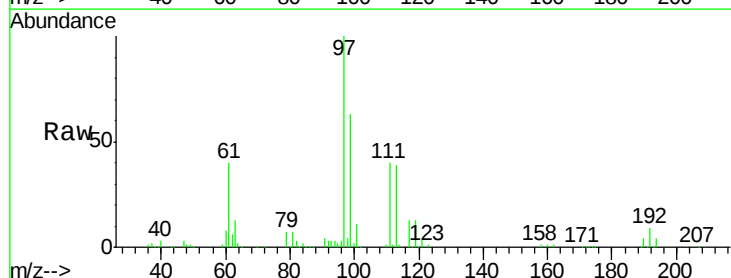
Tgt Ion: 97 Resp: 381911

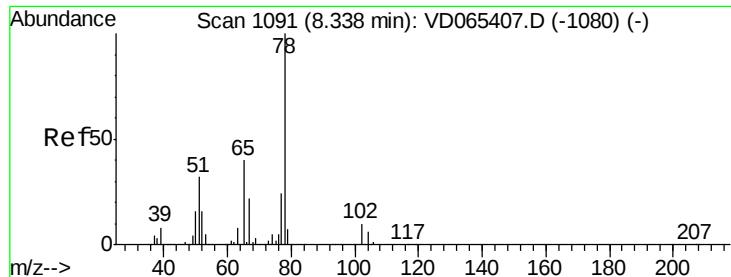
Ion Ratio Lower Upper

97 100

99 63.4 50.9 76.3

61 41.7 33.2 49.8





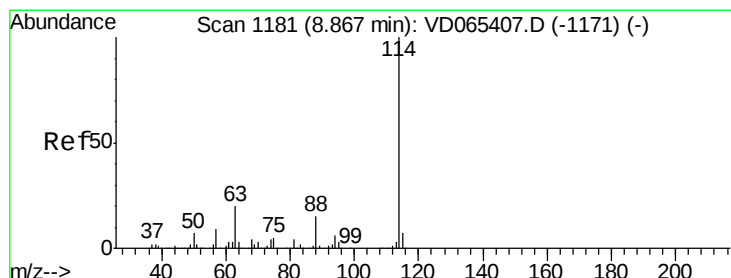
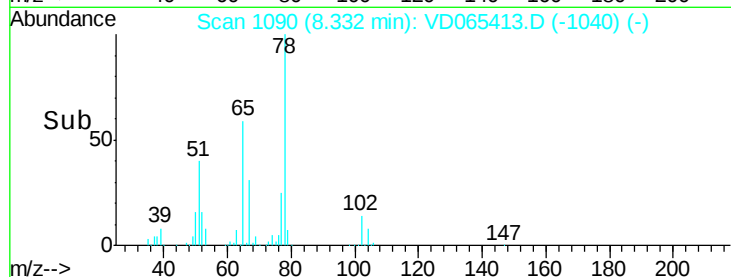
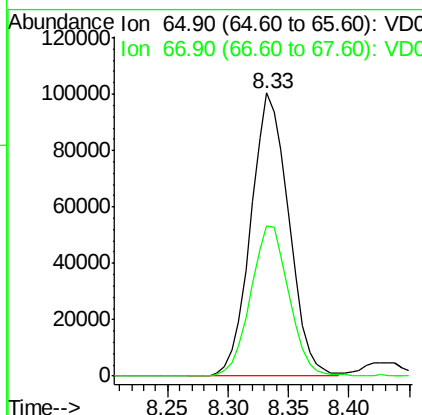
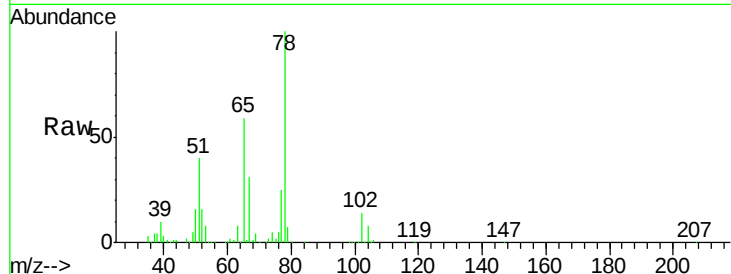
#33
 1,2-Dichloroethane-d4
 Concen: 50.361 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218713		
67	53.8	0.0	108.0	

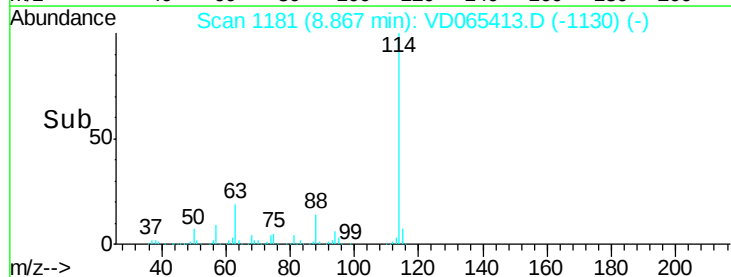
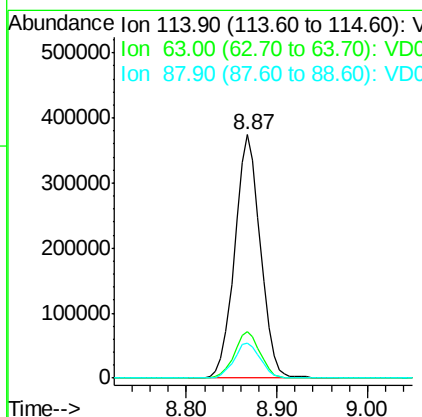
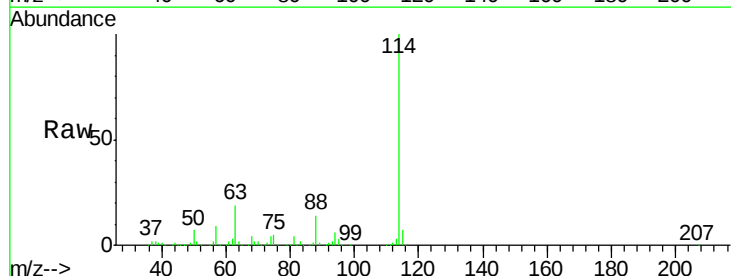
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	736996		
63	19.2	0.0	39.6	
88	14.3	0.0	30.4	





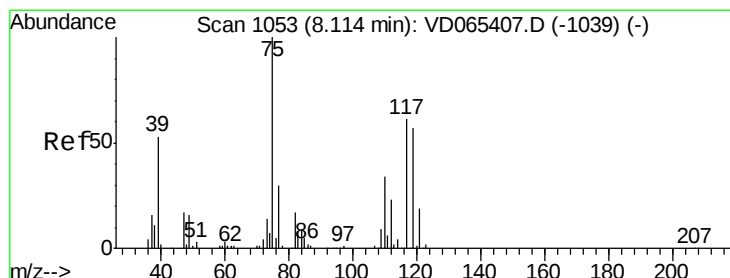
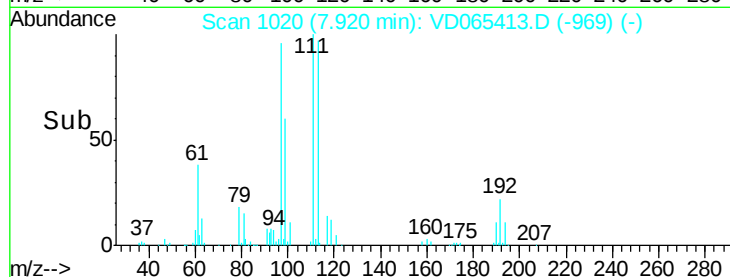
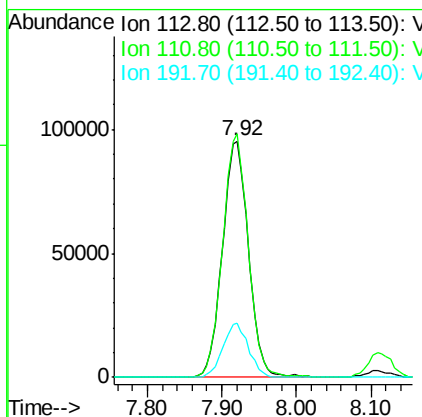
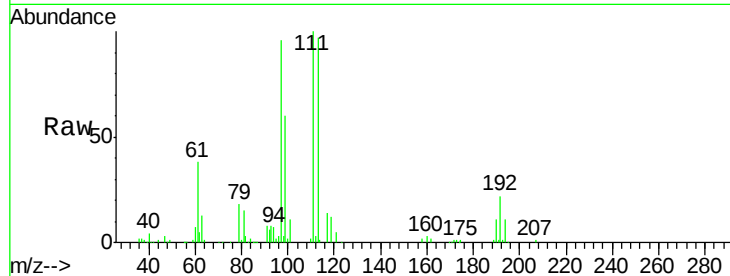
#35
 Dibromofluoromethane
 Concen: 50.942 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	22.4	17.2	25.8

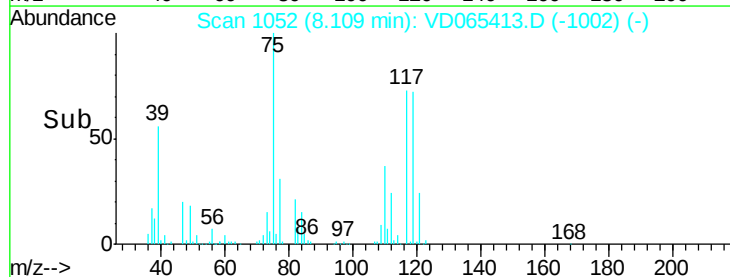
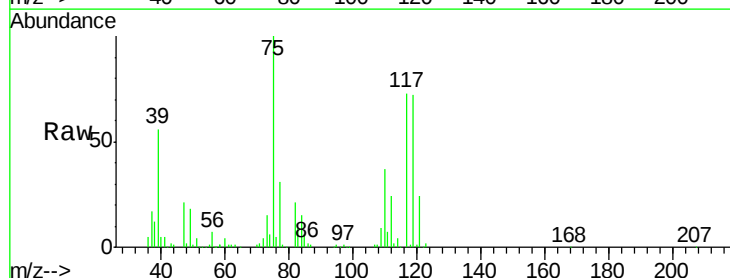
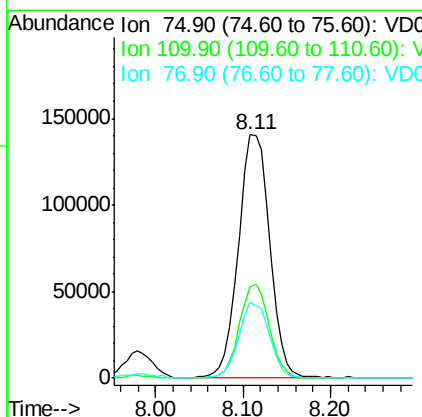
Manual Integrations
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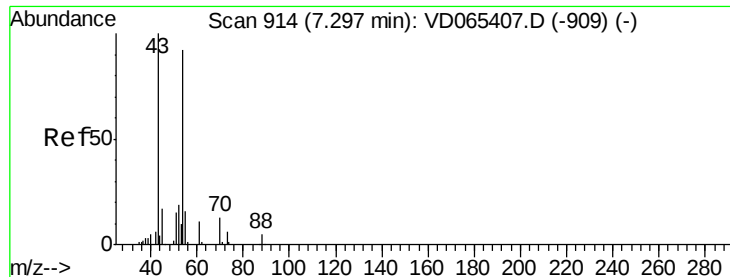
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 3/5/2020 1:39:05 PM



#36
 1,1-Dichloropropene
 Concen: 48.060 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	30.9	25.2	37.8





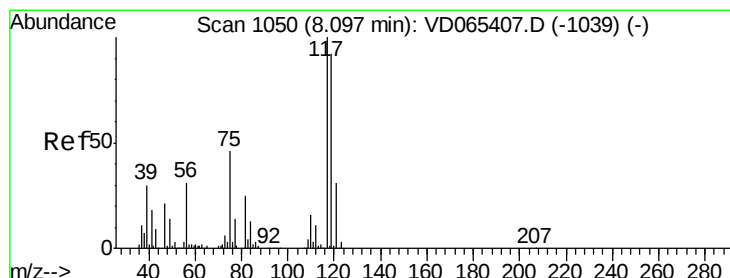
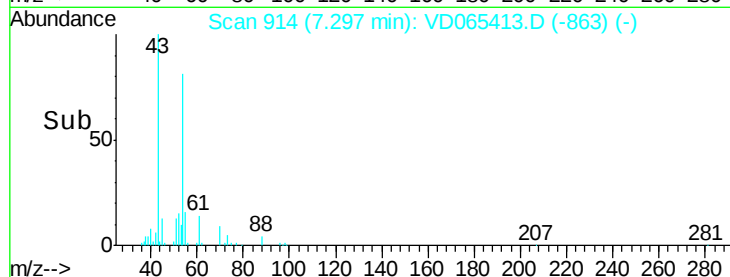
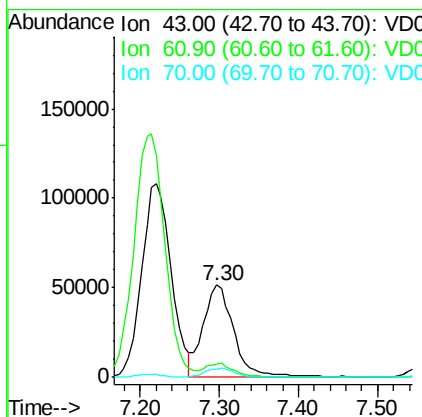
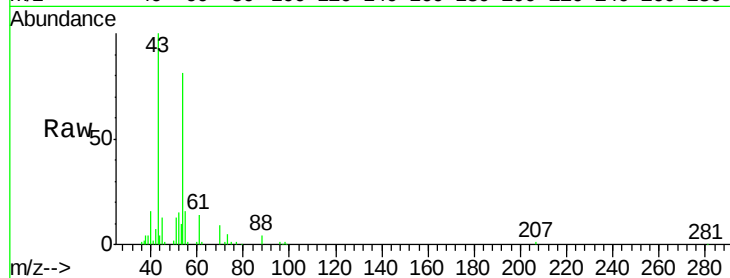
#37
Ethyl Acetate
Concen: 49.935 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.0
70	9.7	9.0	13.4

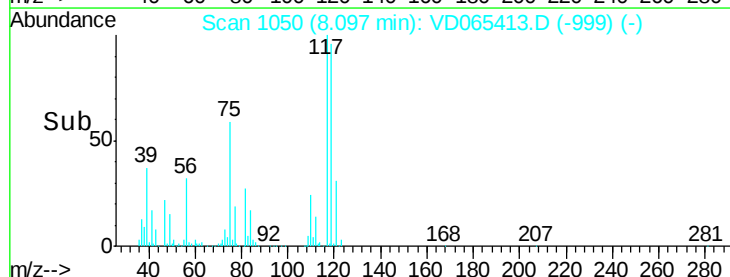
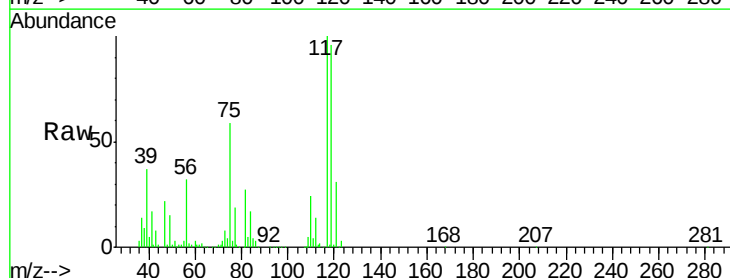
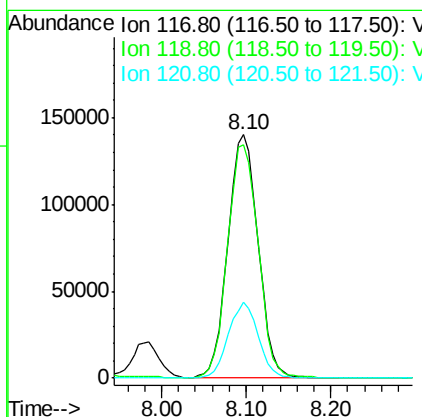
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 47.030 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	73.3	109.9
121	31.4	25.0	37.4





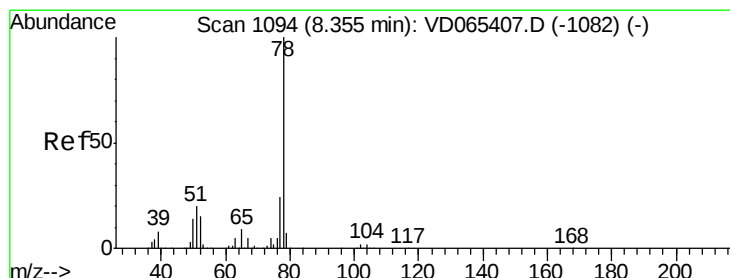
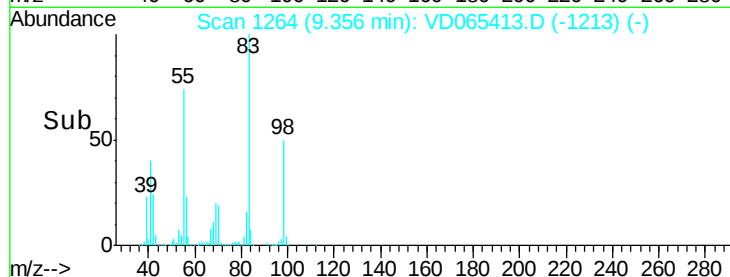
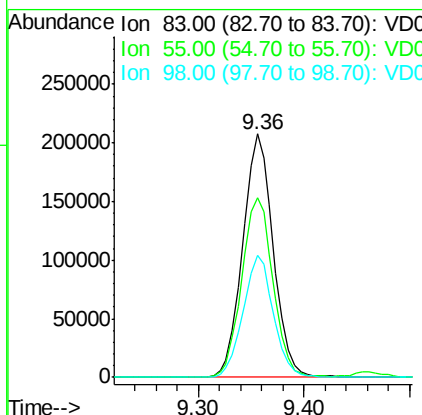
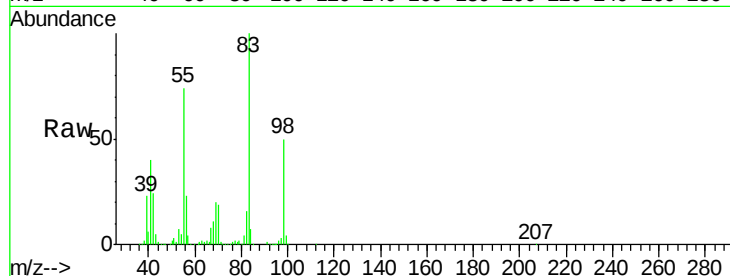
#39
Methylvlcyclohexane
Concen: 48.785 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	57.1	85.7
98	50.2	37.8	56.8

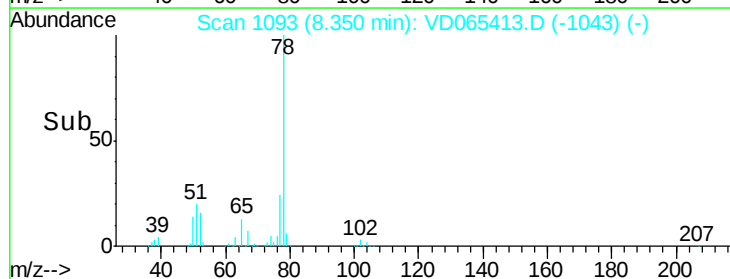
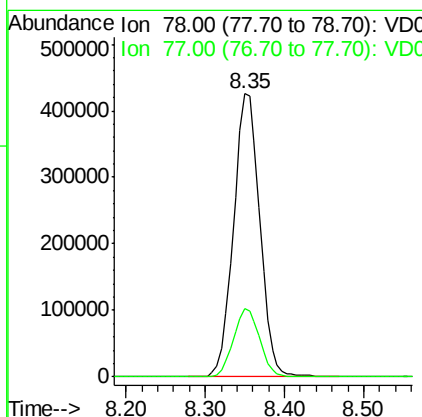
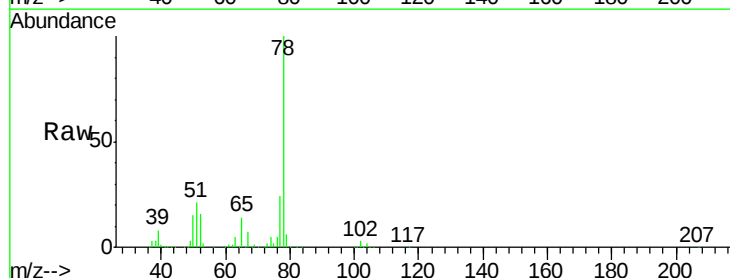
Manual Integrations
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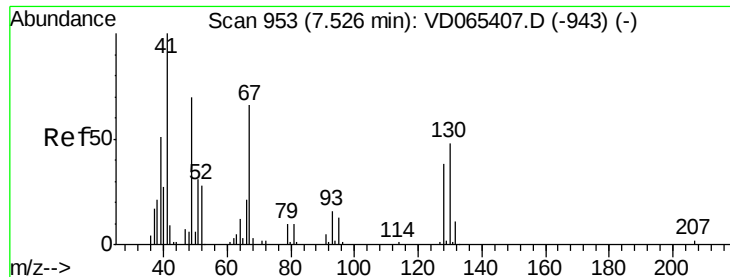
MMDadoda
3/5/2020 1:39:05 PM



#40
Benzene
Concen: 49.427 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 47.017 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion: 41 Resp: 67895

Ion Ratio Lower Upper

41 100

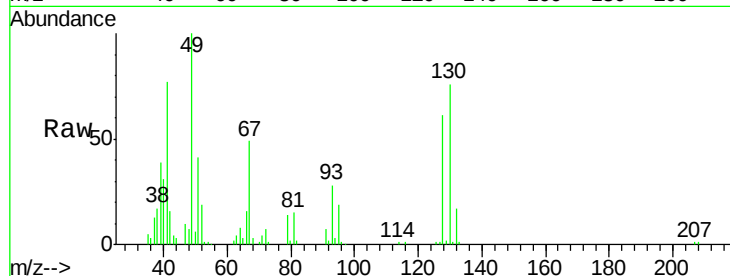
39 60.2 55.0 82.6

67 81.8 70.3 105.5

52 35.3 30.7 46.1

Manual Integrations
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MMDadoda
3/5/2020 1:39:05 PM

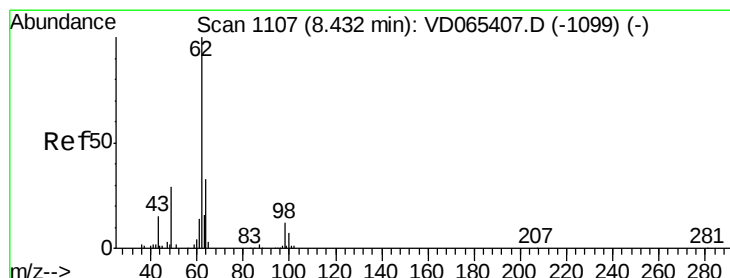
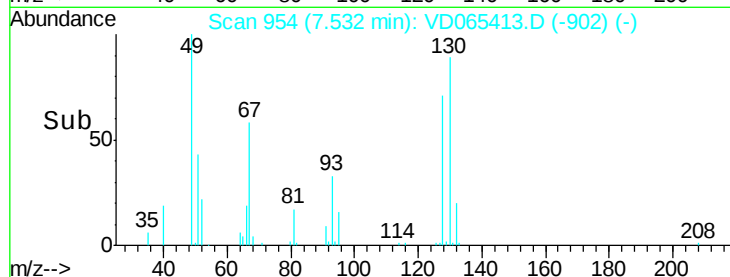
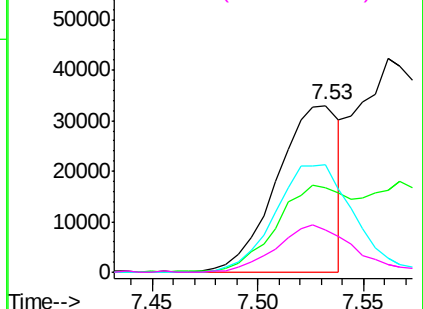


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.874 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065413.D

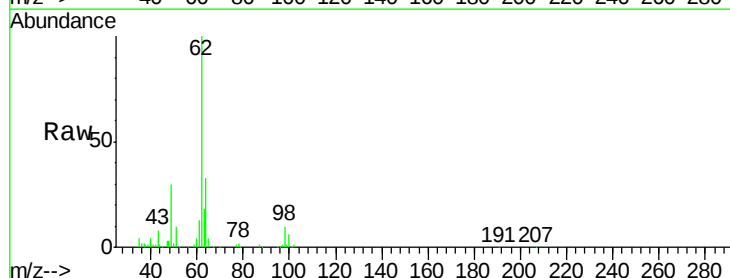
Acq: 04 Mar 2020 16:05

Tgt Ion: 62 Resp: 252084

Ion Ratio Lower Upper

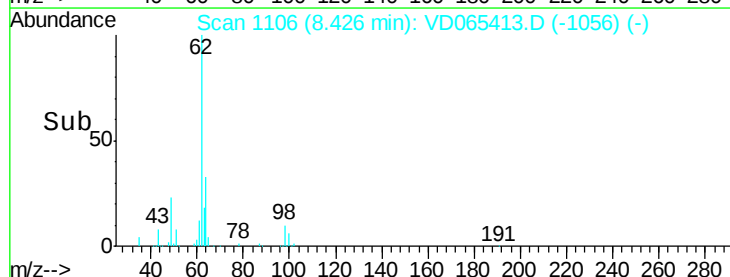
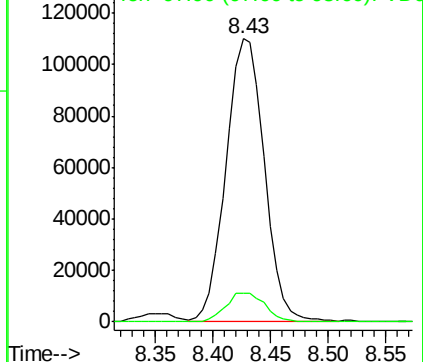
62 100

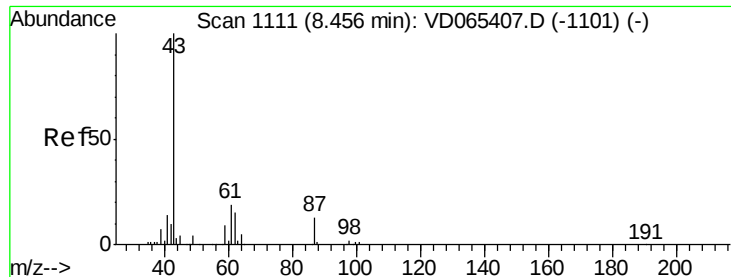
98 10.5 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.049 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

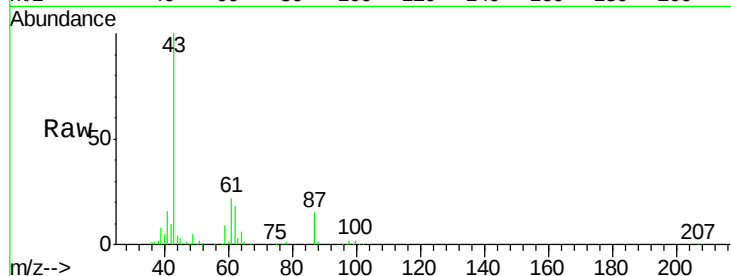
ClientSampleId :

ICVVD030420

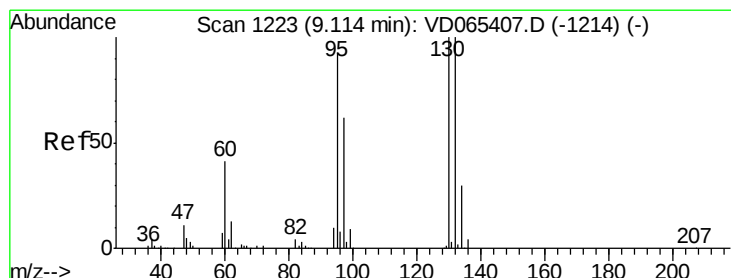
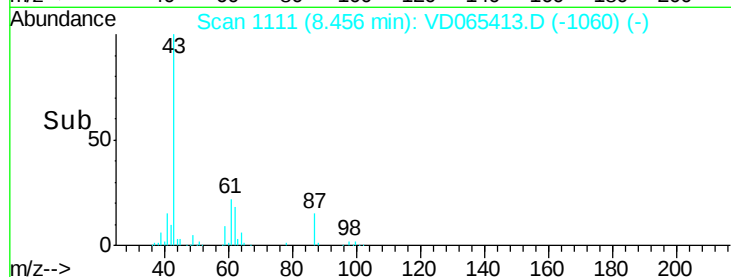
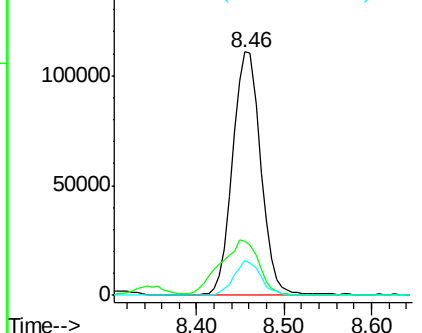
Tot Ion:	43	Resp:	242256
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	13.5	11.0	16.4

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



#44

Trichloroethene

Concen: 47.836 ug/l

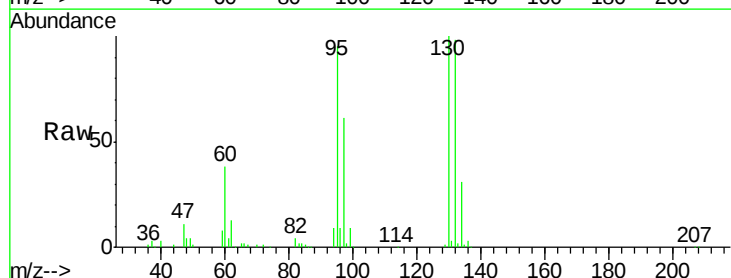
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

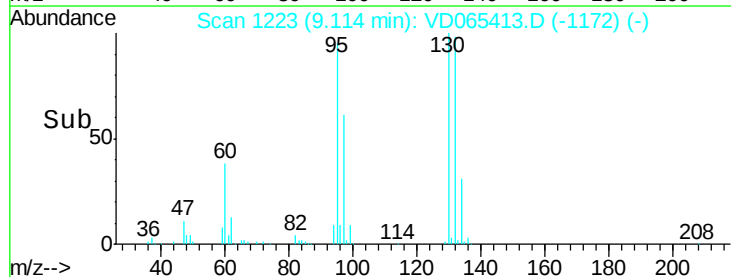
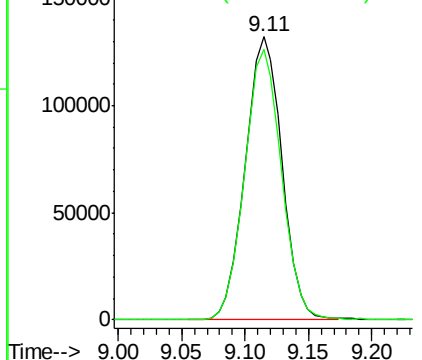
Lab File: VD065413.D

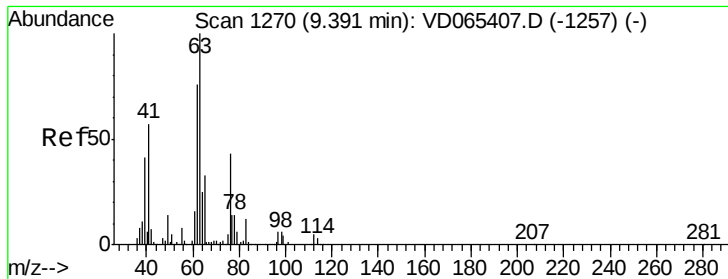
Acq: 04 Mar 2020 16:05

Tgt Ion:	130	Resp:	266838
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	186.0



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





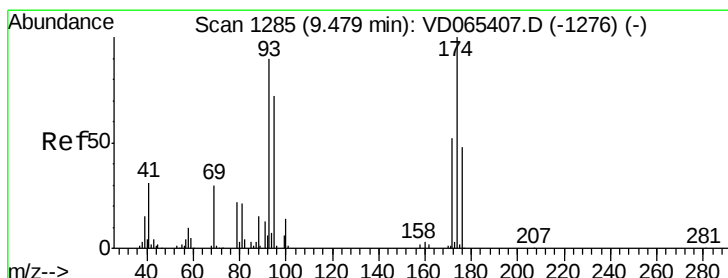
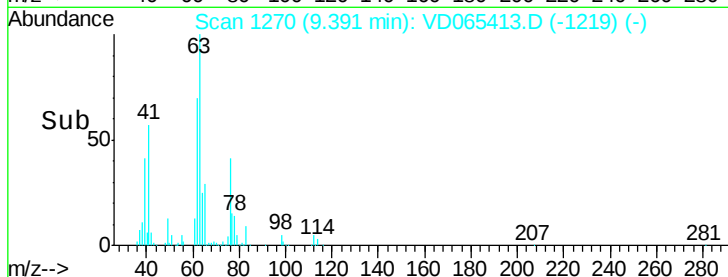
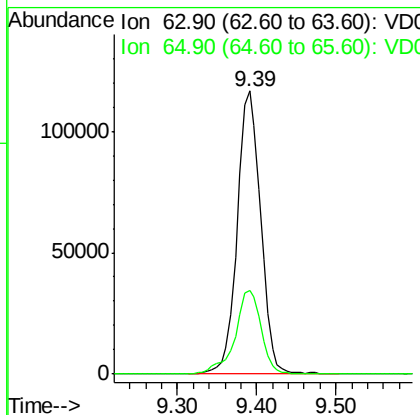
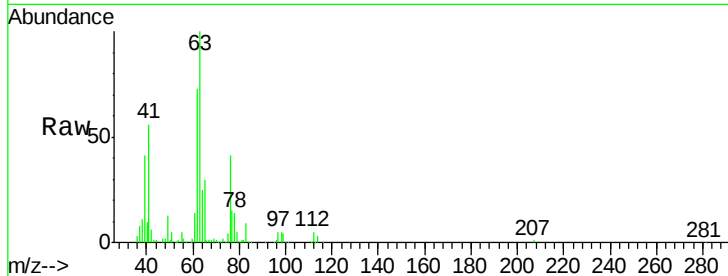
#45
 1,2-Dichloropropane
 Concen: 50.017 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	26.4	39.6

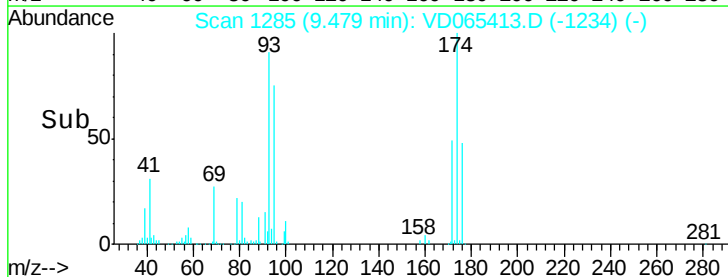
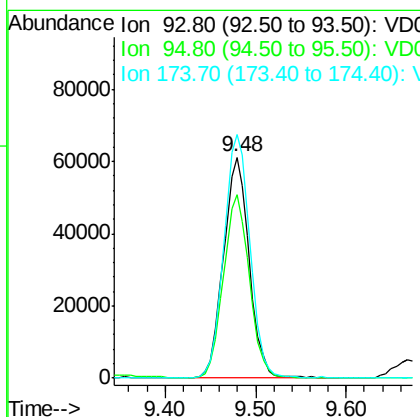
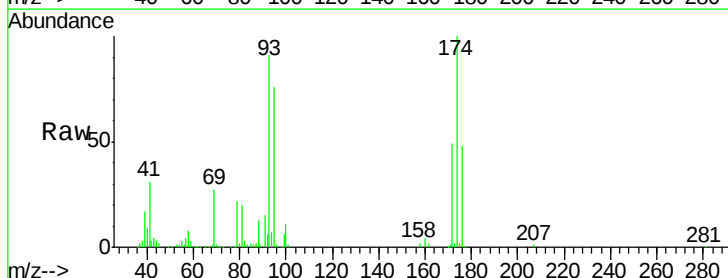
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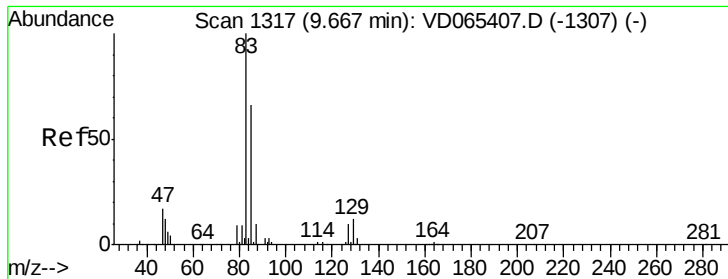
MMDadoda
 3/5/2020 1:39:05 PM



#46
 Dibromomethane
 Concen: 48.499 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.0	97.6
174	112.0	88.3	132.5





#47

Bromodichloromethane

Concen: 49.354 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

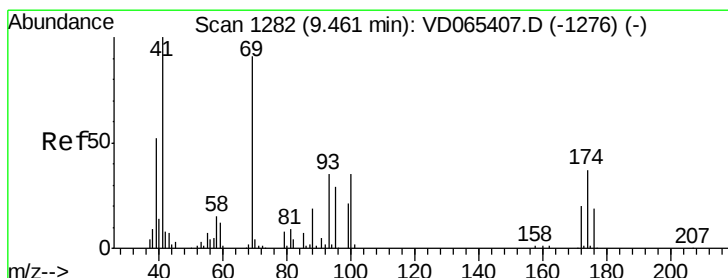
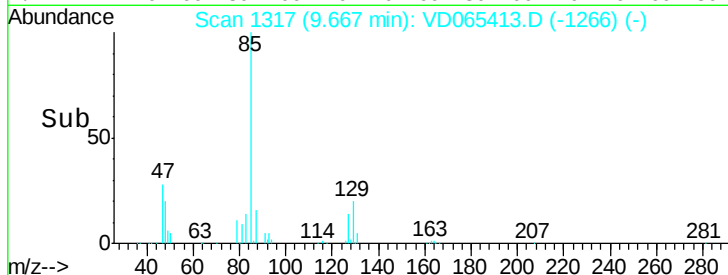
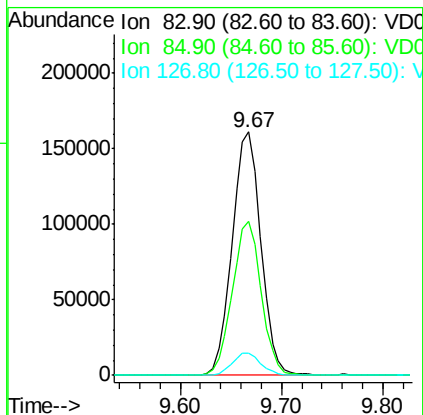
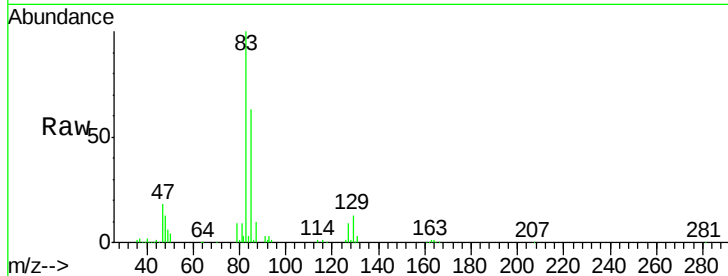
ClientSampleId :

ICVVD030420

Tot Ion:	83	Resp:	318657
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2
127	8.9	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.510 ug/l

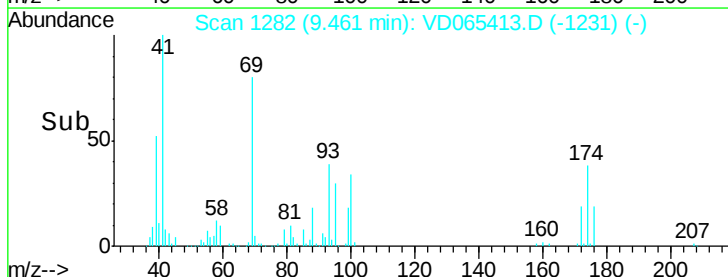
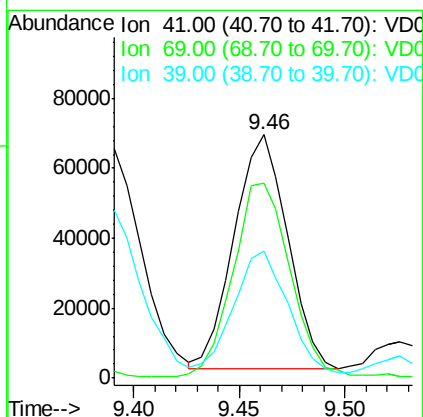
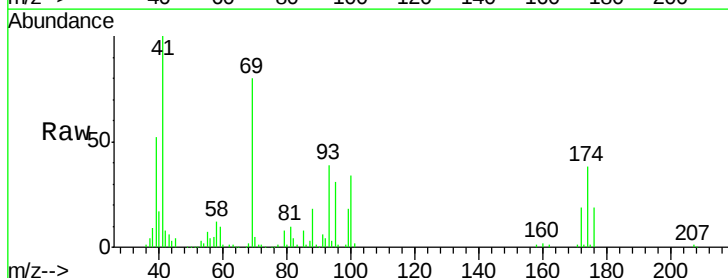
RT: 9.46 min Scan# 1282

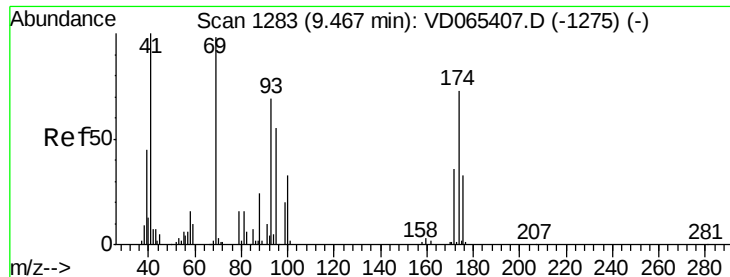
Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion:	41	Resp:	117419
Ion	Ratio	Lower	Upper
41	100		
69	90.7	72.5	108.7
39	52.1	41.6	62.4





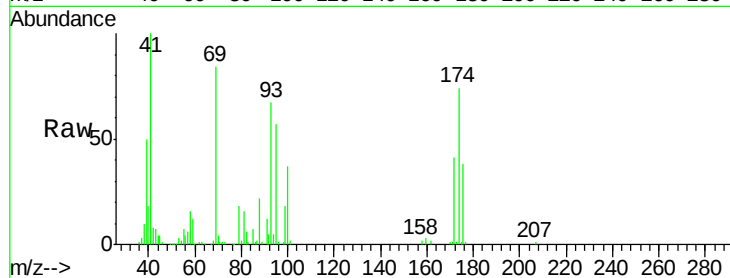
#49
1,4-Dioxane
Concen: 944.153 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampled :
ICVVD030420

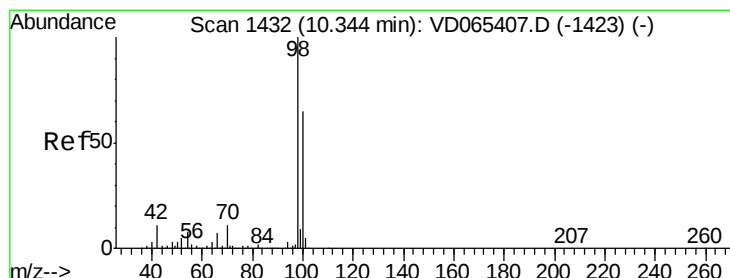
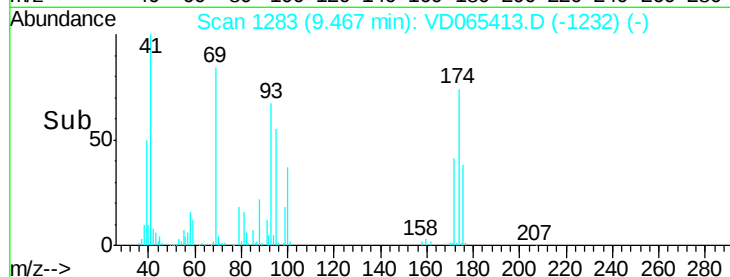
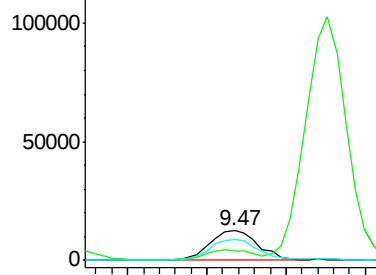
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.5	36.7
58	70.6	54.5	81.7

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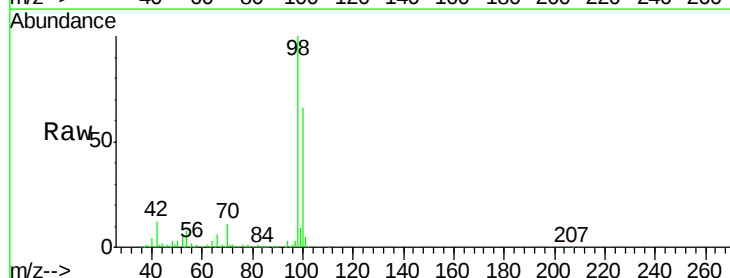


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

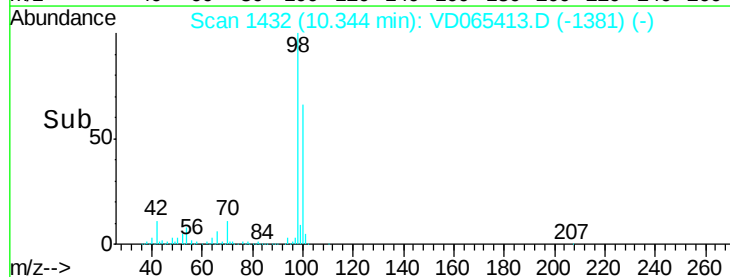
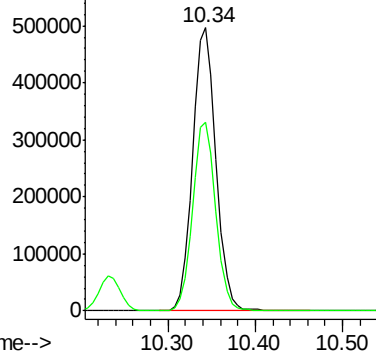


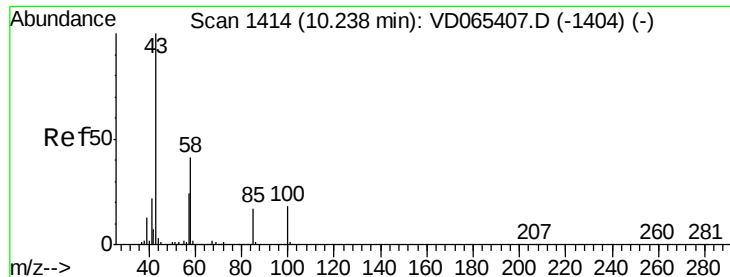
#50
Toluene-d8
Concen: 52.142 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2



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





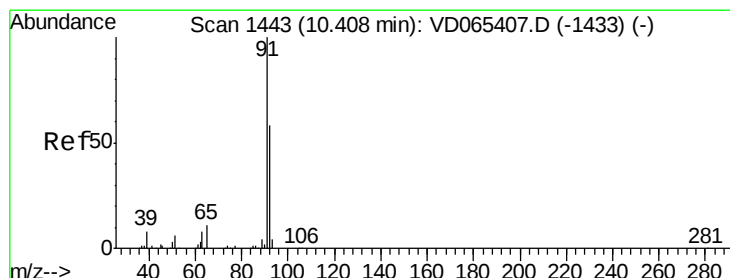
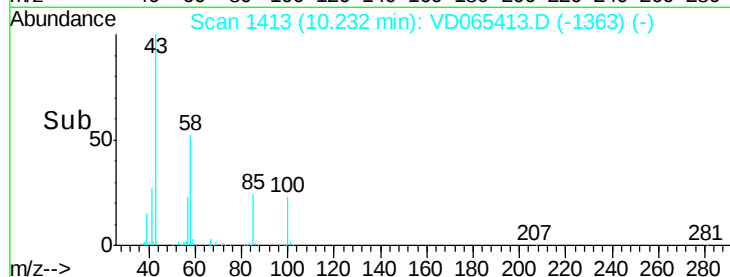
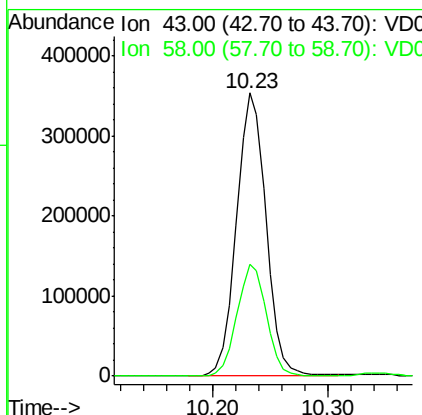
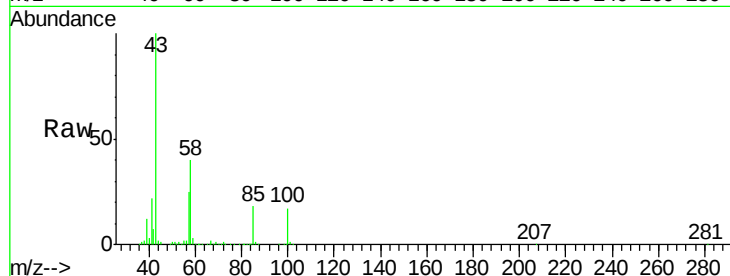
#51
4-Methyl-2-Pentanone
Concen: 247.640 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.8	47.6

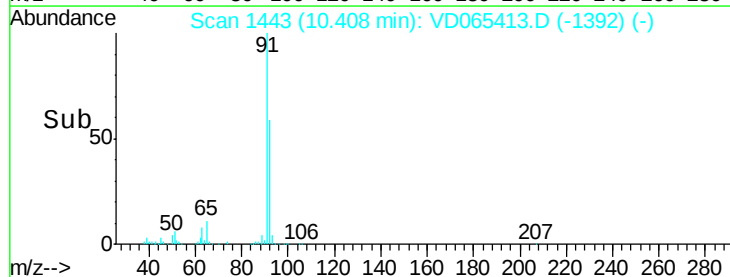
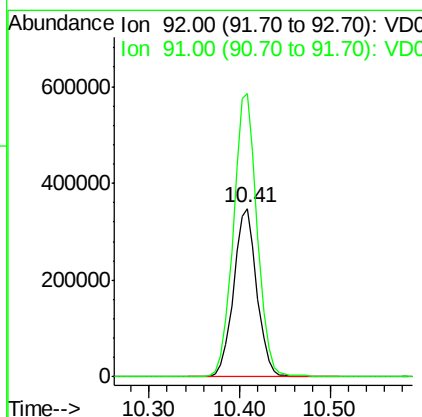
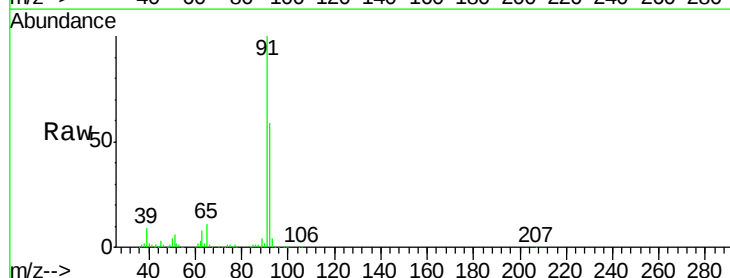
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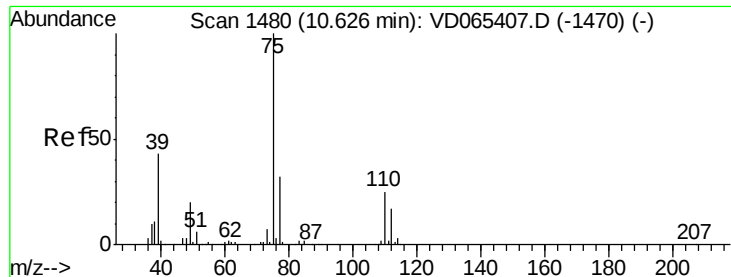
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#52
Toluene
Concen: 49.929 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8





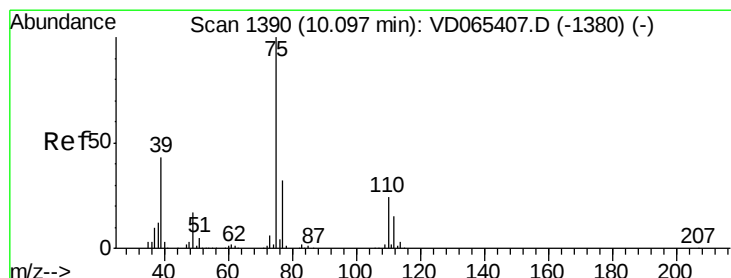
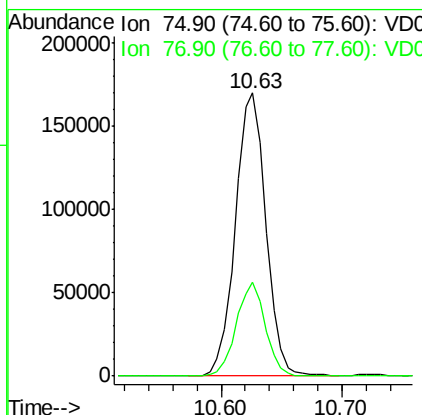
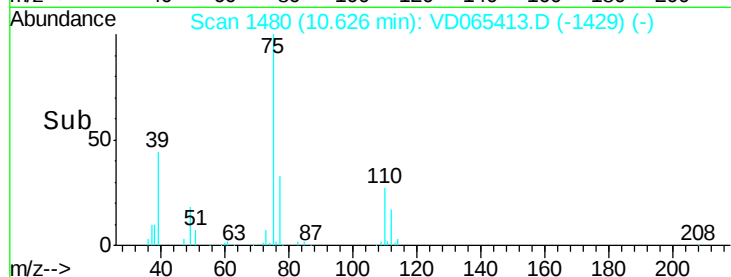
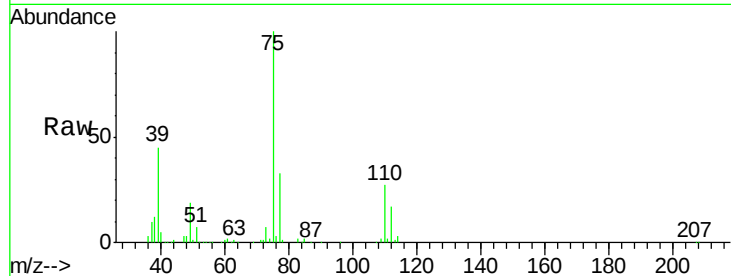
#53
 t-1,3-Dichloropropene
 Concen: 49.645 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion: 75 Resp: 299545
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.2

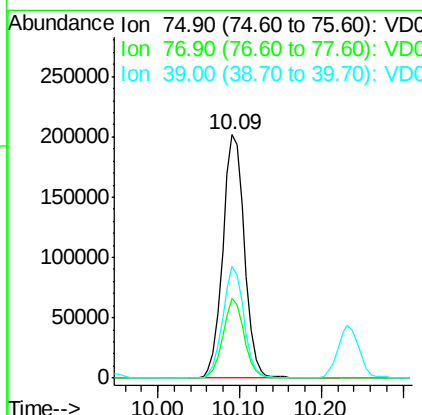
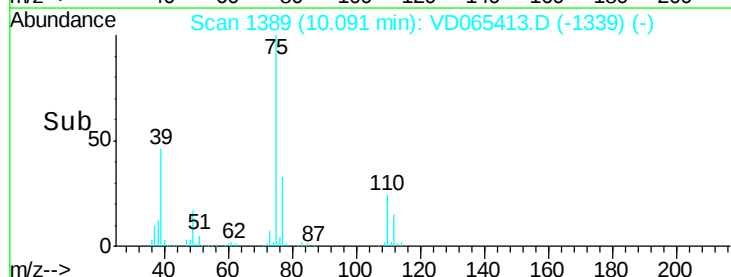
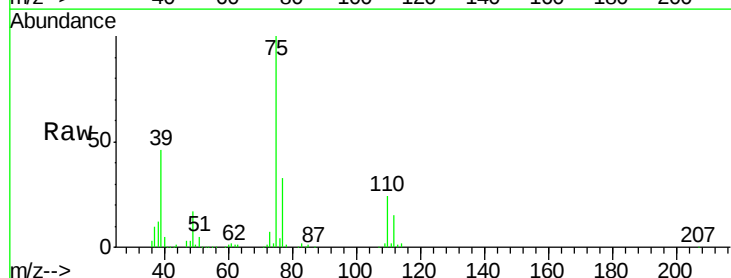
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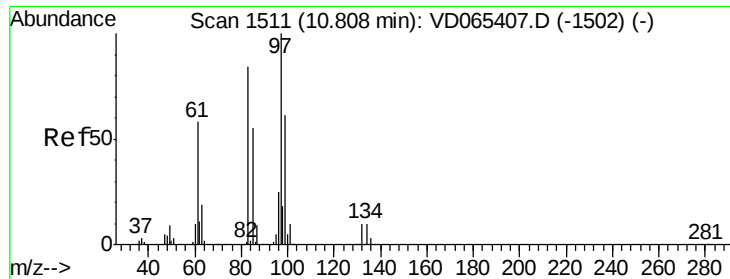
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 3/5/2020 1:39:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.842 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 75 Resp: 371318
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.3 37.9
 39 45.8 34.6 52.0





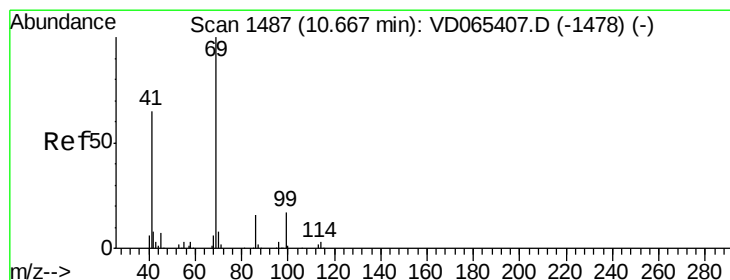
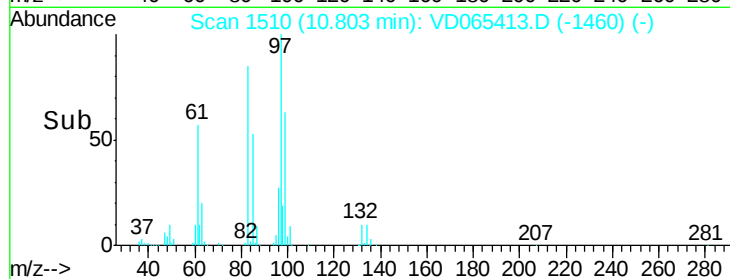
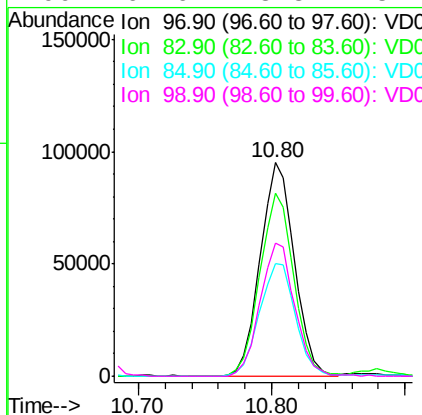
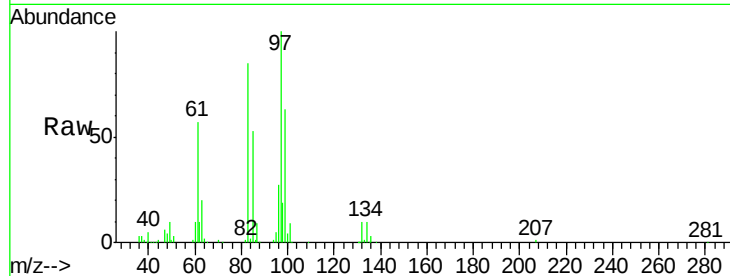
#55
 1,1,2-Trichloroethane
 Concen: 47.932 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD030420

Tot Ion:	97	Resp:	168485
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.4	101.0
85	52.7	43.8	65.8
99	62.6	48.8	73.2

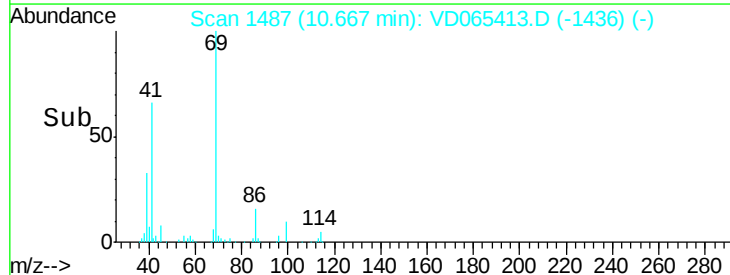
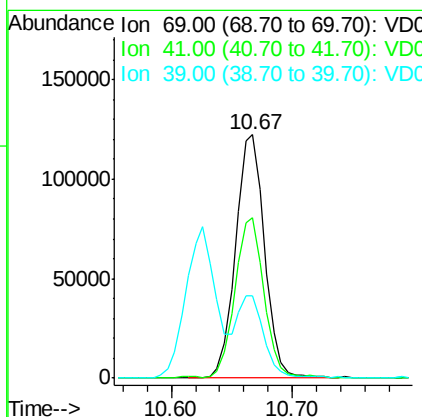
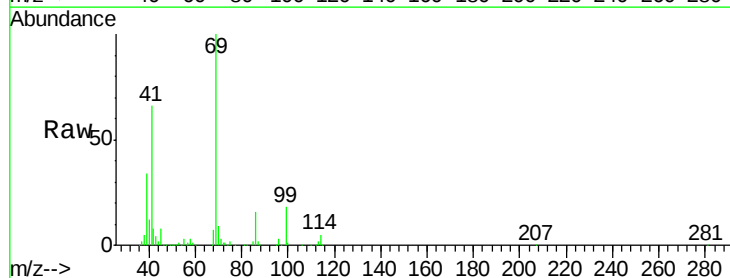
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#56
 Ethyl methacrylate
 Concen: 51.723 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion:	69	Resp:	204963
Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.0	79.6
39	30.3	26.0	39.0





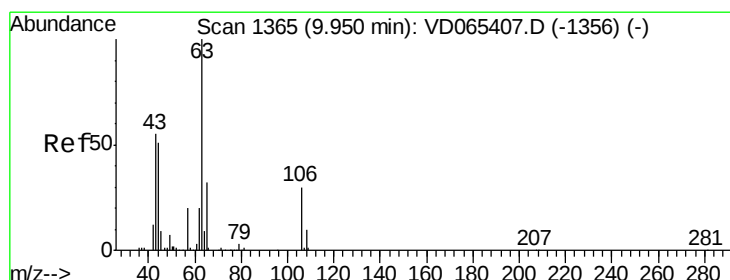
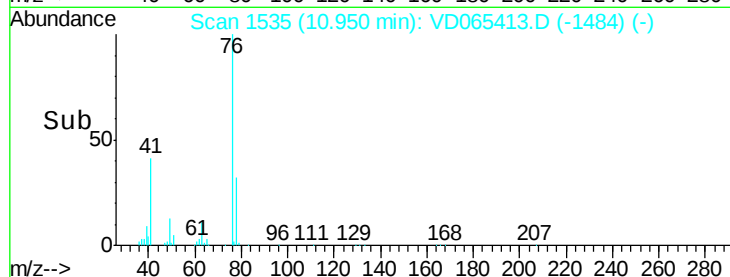
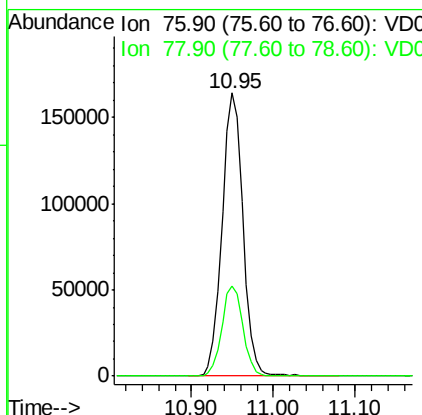
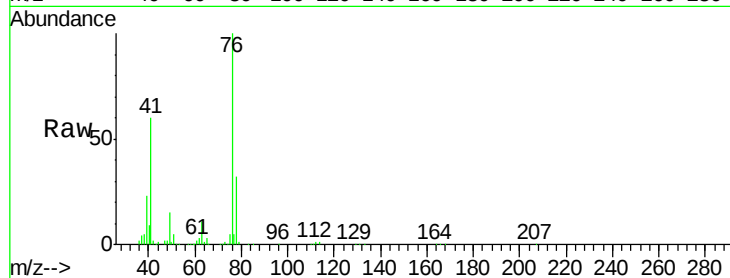
#57
 1,3-Dichloropropane
 Concen: 48.999 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

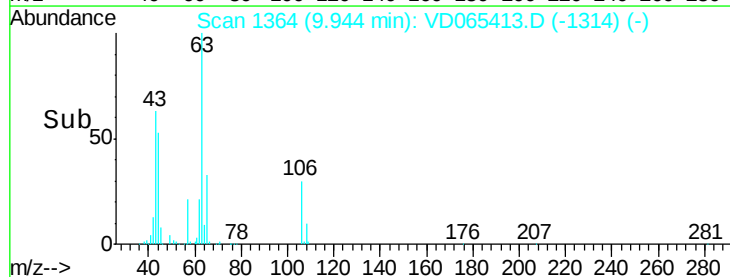
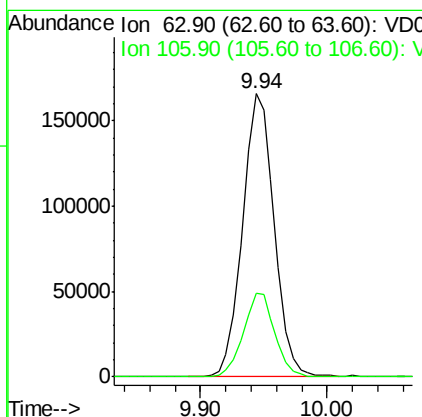
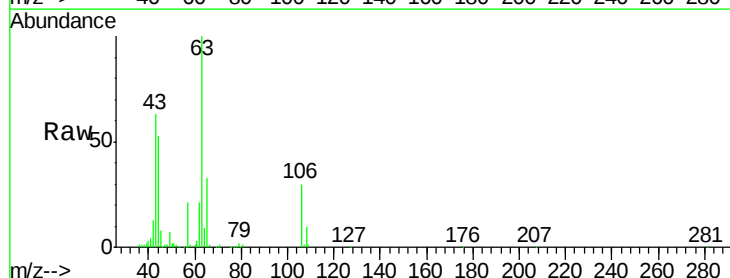
Manual Integrations
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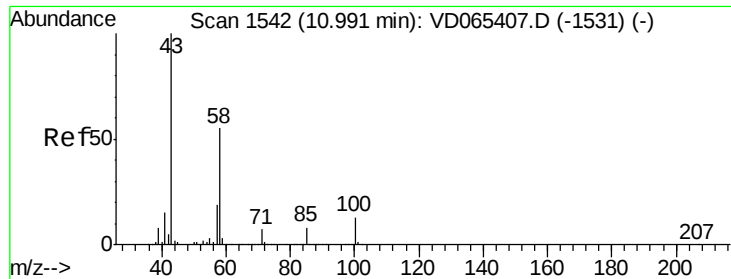
MMDadoda
 3/5/2020 1:39:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.996 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.3	34.9





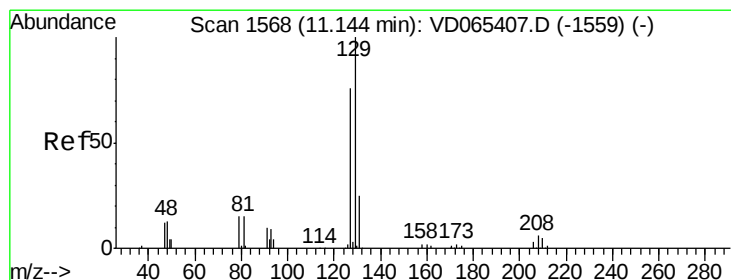
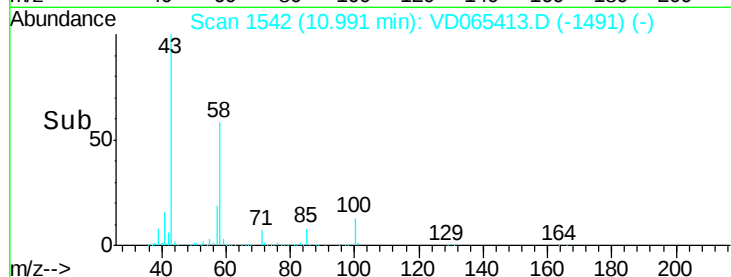
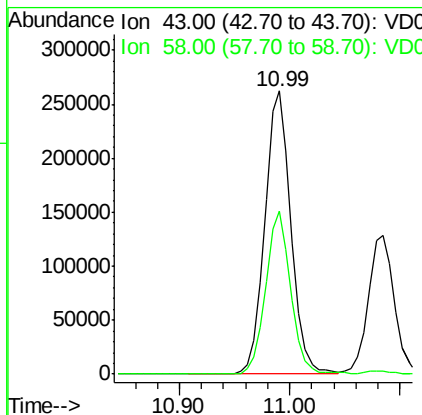
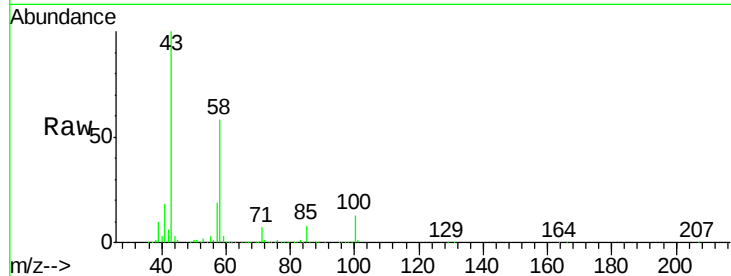
#59
2-Hexanone
Concen: 246.034 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion: 43 Resp: 432114
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

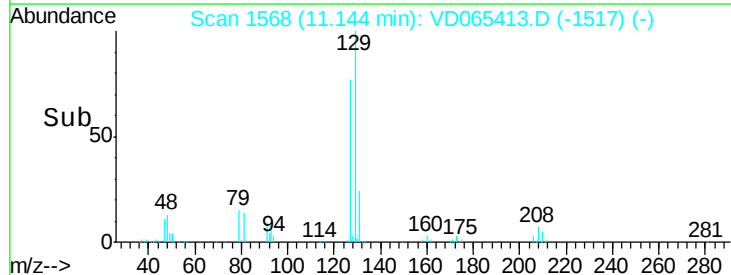
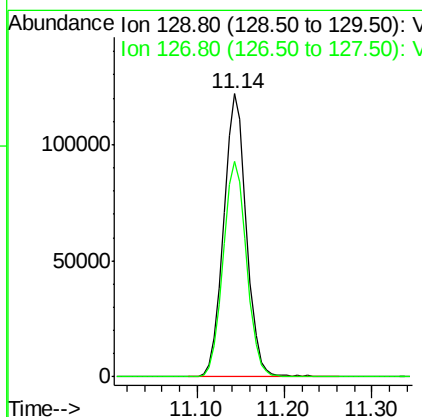
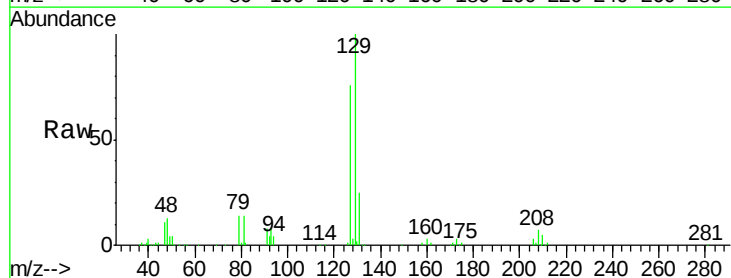
Manual Integrations
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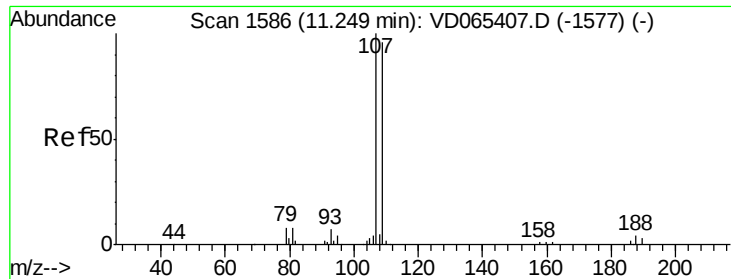
MMDadoda
3/5/2020 1:39:05 PM



#60
Dibromochloromethane
Concen: 48.297 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 129 Resp: 217617
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5





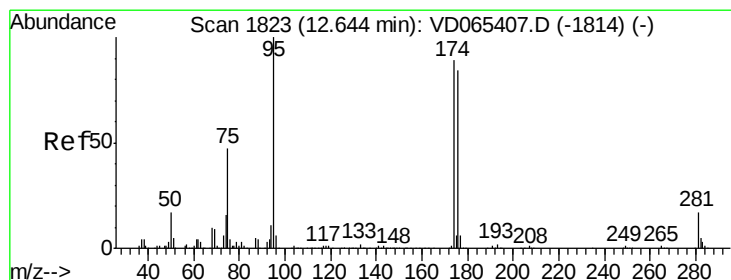
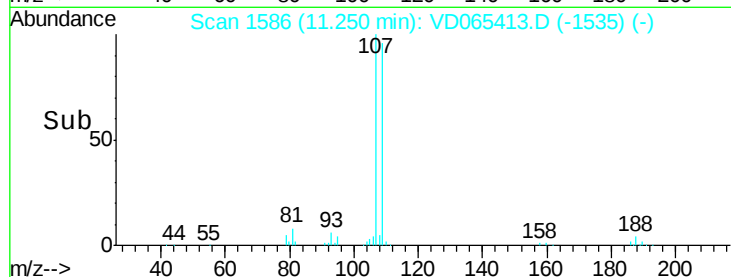
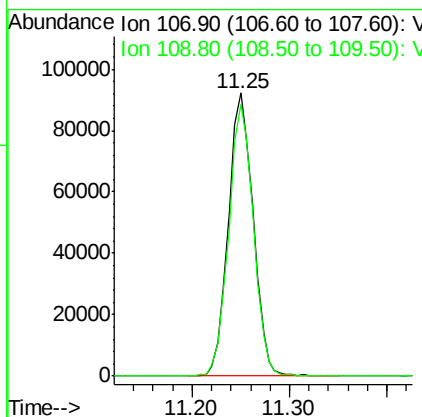
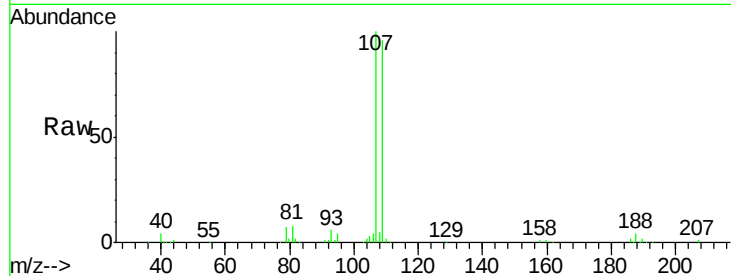
#61
 1,2-Dibromoethane
 Concen: 48.665 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.8	115.2

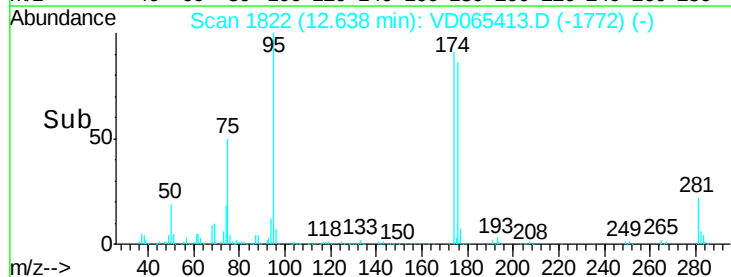
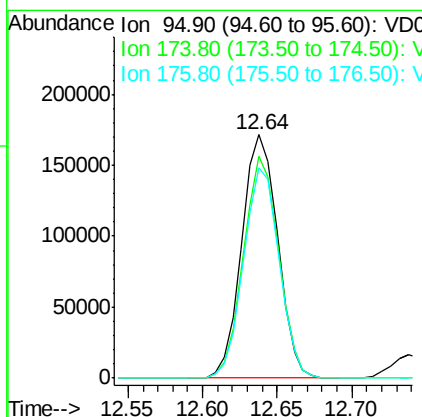
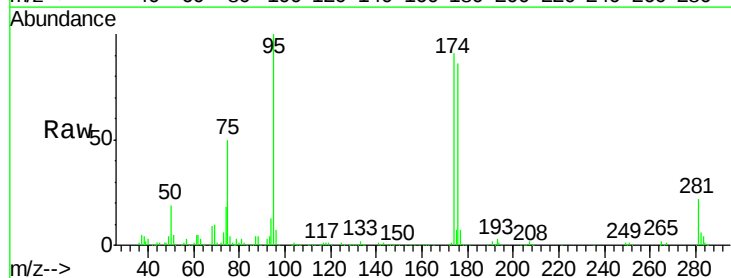
Manual Integrations
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 3/5/2020 1:39:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.980 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	176.8
176	85.7	0.0	171.4





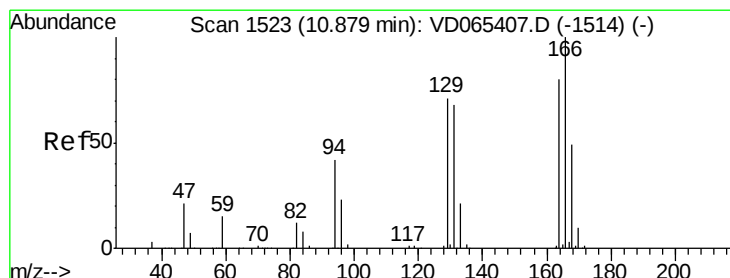
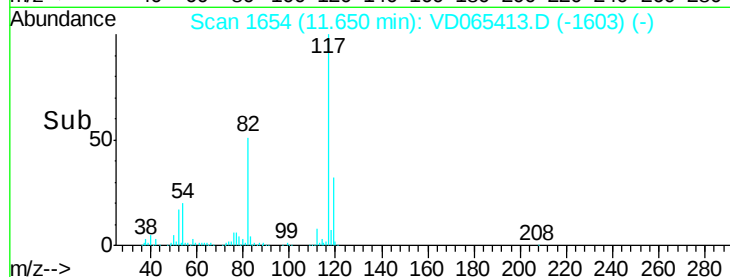
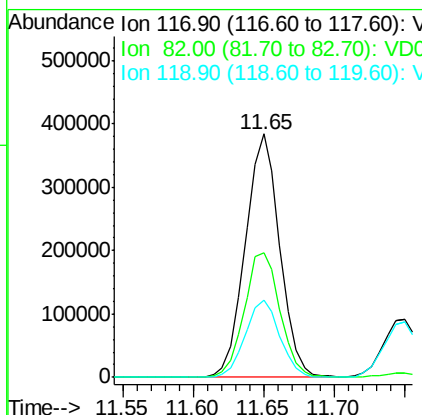
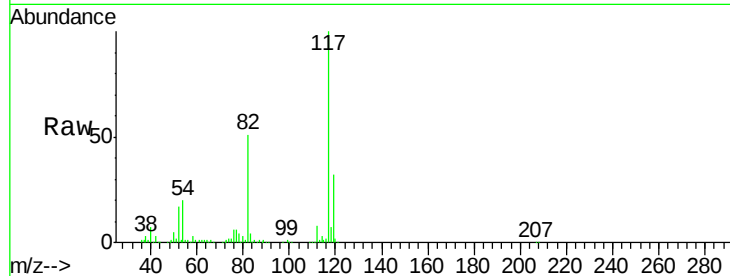
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampled :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.6	60.8
119	31.7	25.4	38.2

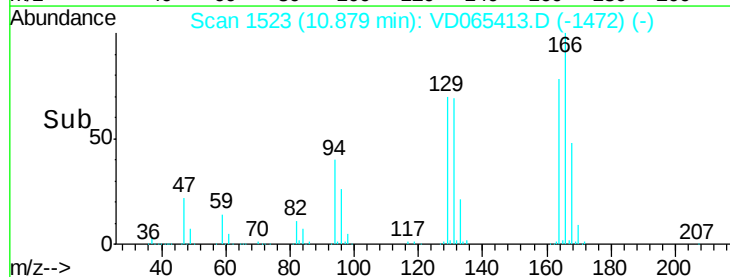
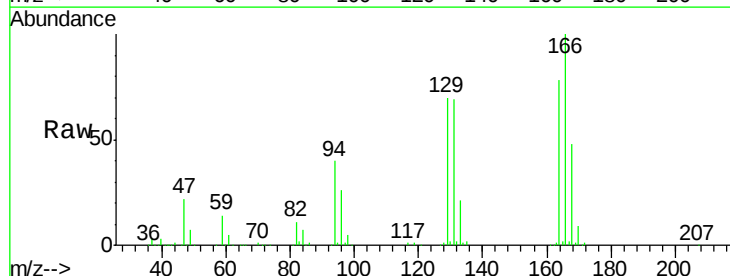
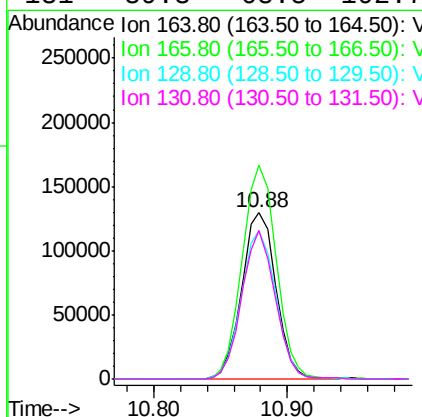
Manual Integrations
APPROVED

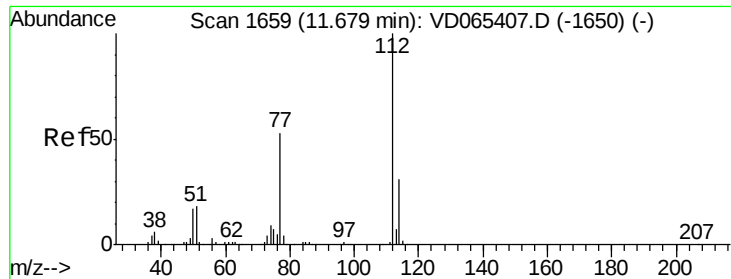
MMDadoda
3/5/2020 1:39:05 PM



#64
Tetrachloroethene
Concen: 48.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.5	150.7
129	89.5	71.5	107.3
131	89.3	68.5	102.7





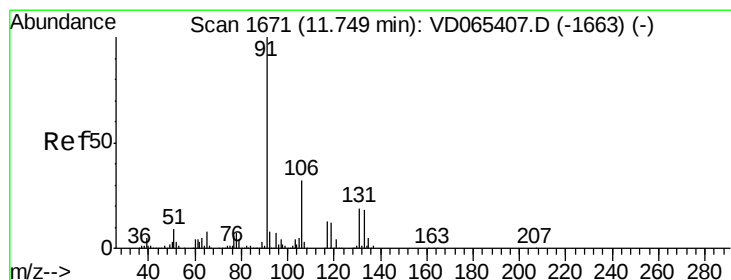
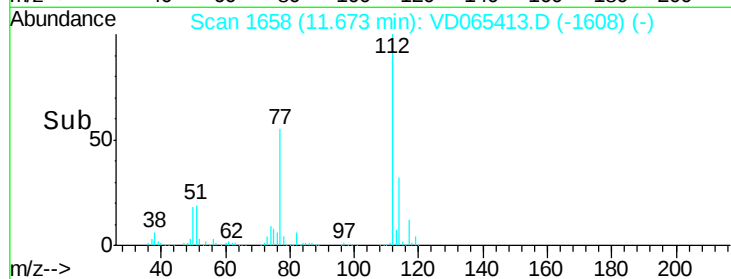
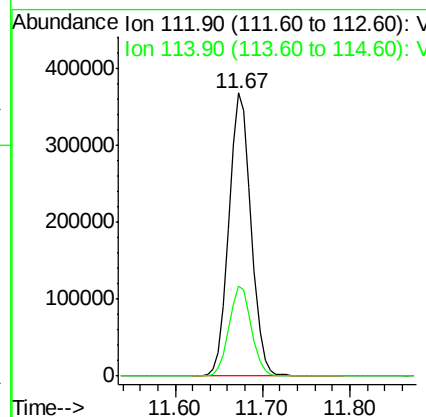
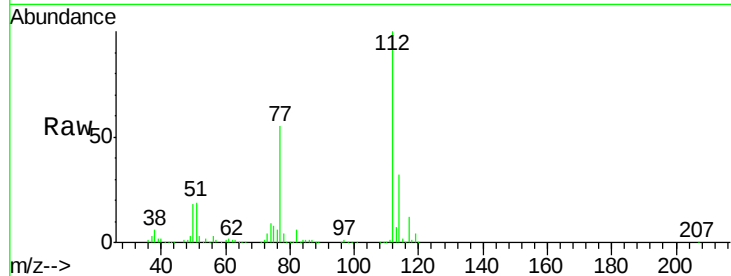
#65
Chlorobenzene
Concen: 49.569 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.4	36.6

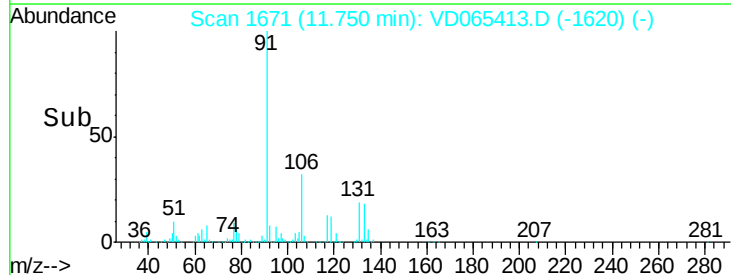
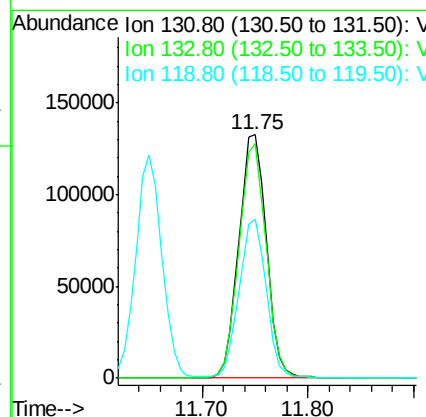
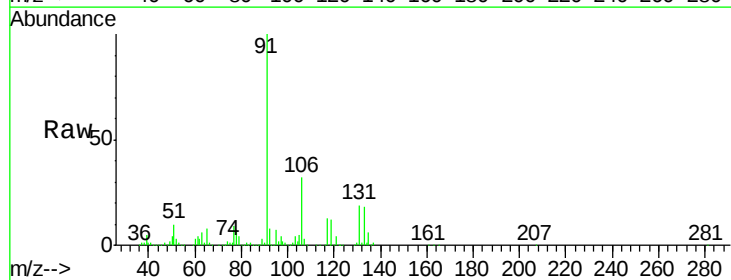
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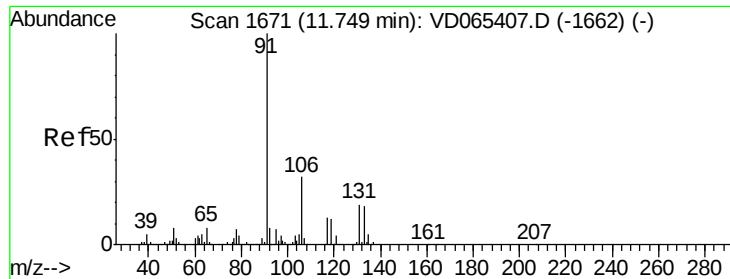
MMDadoda
3/5/2020 1:39:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.545 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	49.2	147.6
119	64.6	33.3	99.8





#67

Ethyl Benzene

Concen: 51.083 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleID :

ICVVD030420

Tot Ion: 91 Resp: 1146329

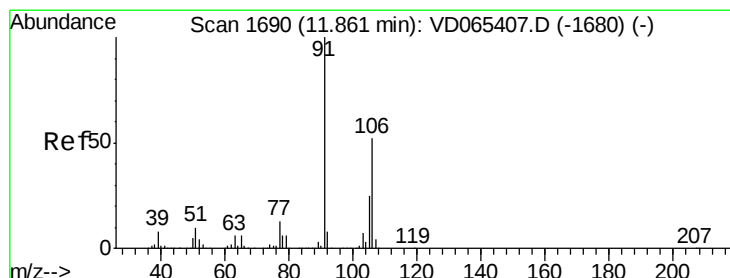
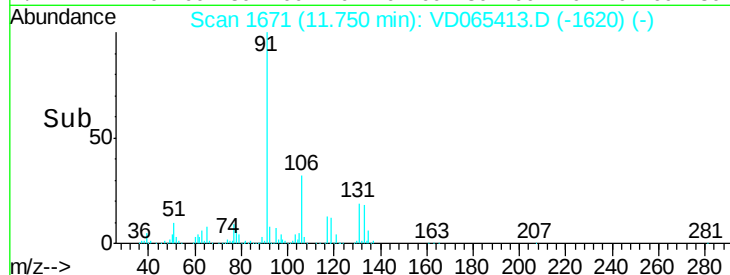
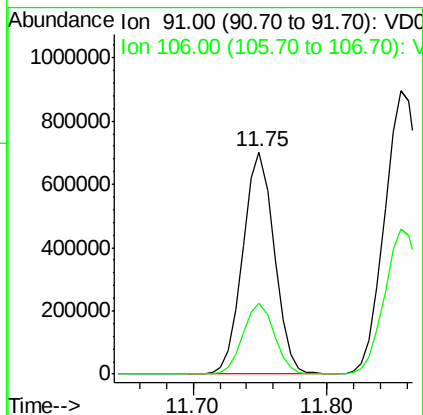
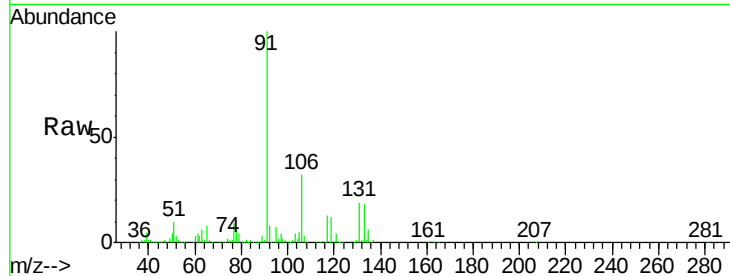
Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.228 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065413.D

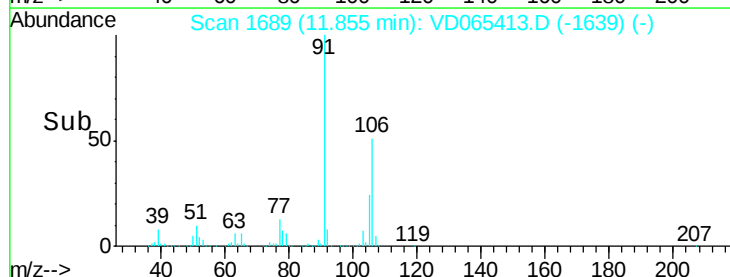
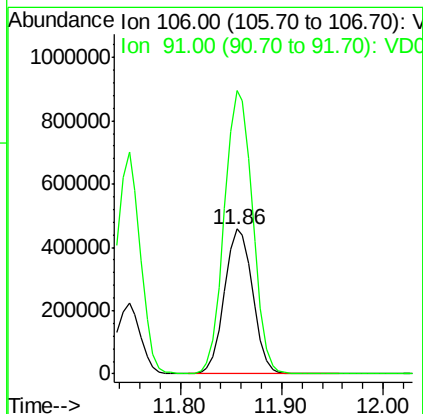
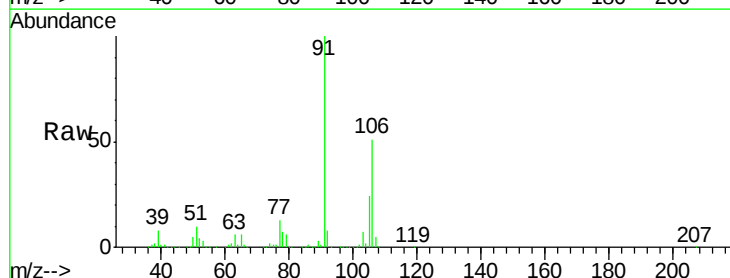
Acq: 04 Mar 2020 16:05

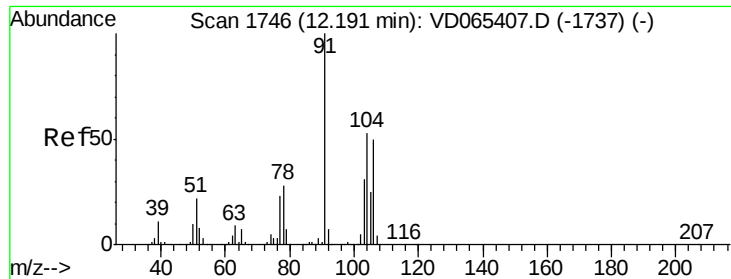
Tgt Ion: 106 Resp: 884558

Ion Ratio Lower Upper

106 100

91 196.2 155.9 233.9





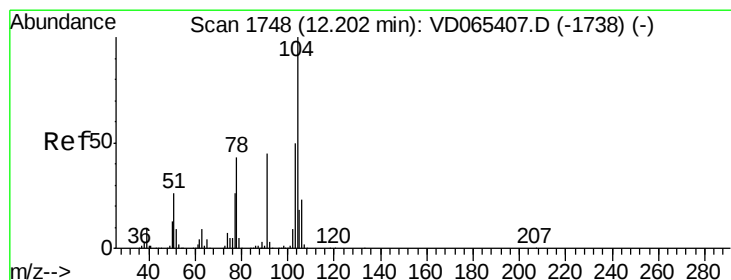
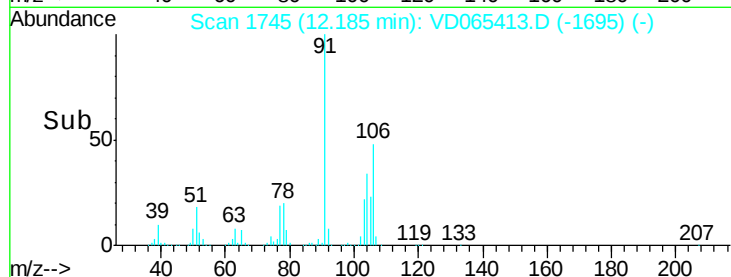
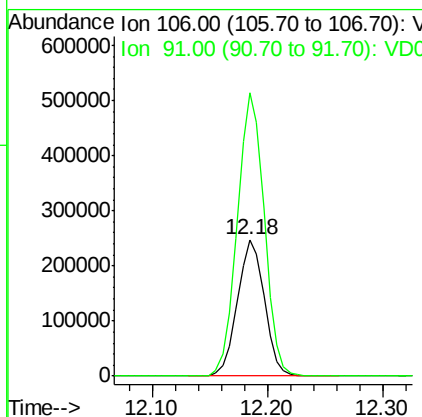
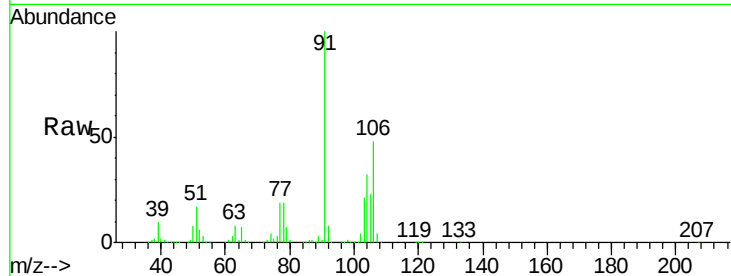
#69
o-Xylene
Concen: 52.496 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	207.9	103.5	310.3	

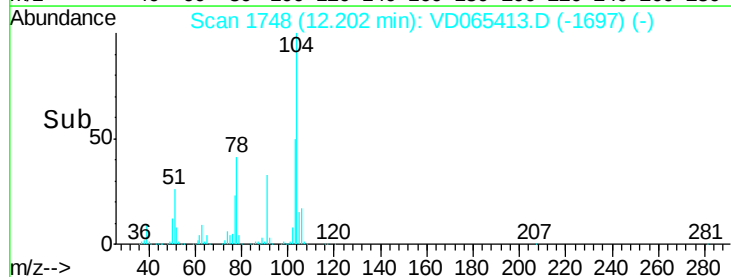
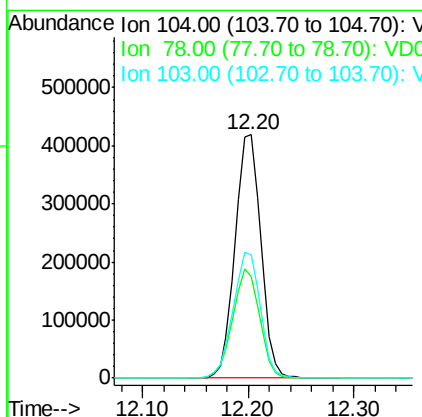
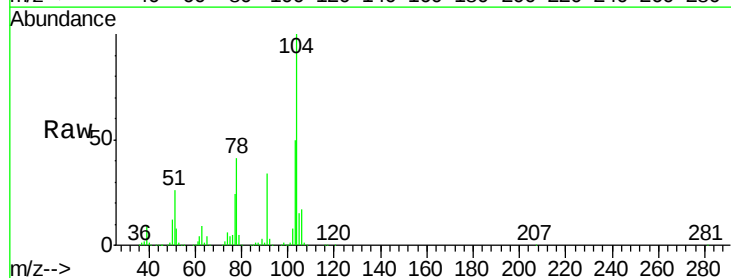
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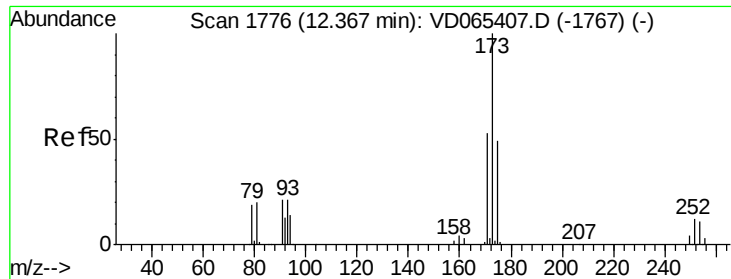
MMDadoda
3/5/2020 1:39:05 PM



#70
Styrene
Concen: 52.777 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100			
78	46.6	37.7	56.5	
103	54.6	43.6	65.4	





#71

Bromoform

Concen: 48.889 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

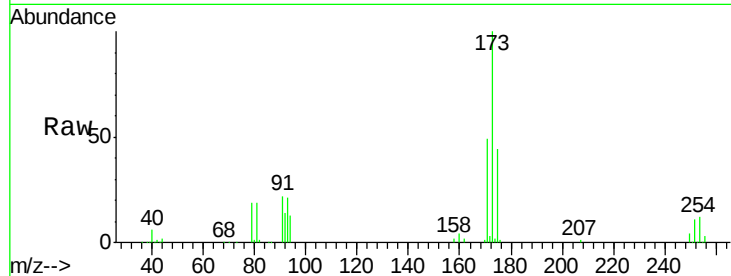
ClientSampleId :

ICVVD030420

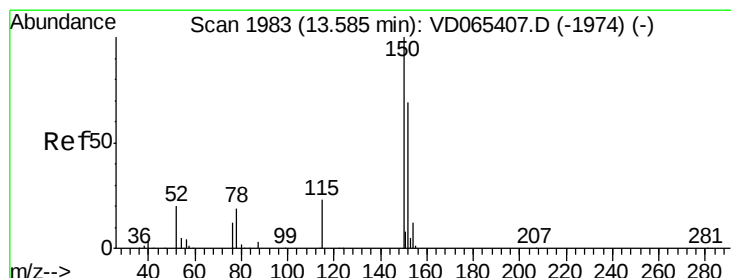
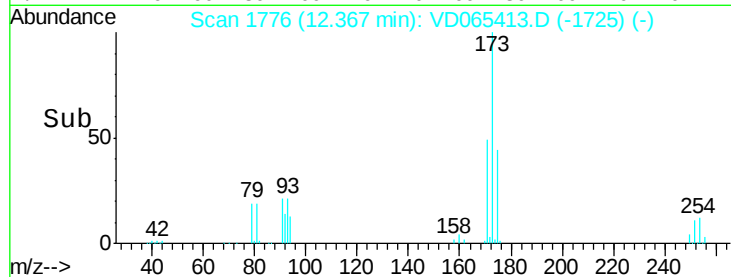
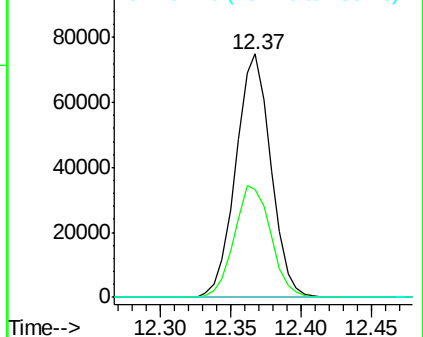
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.2	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

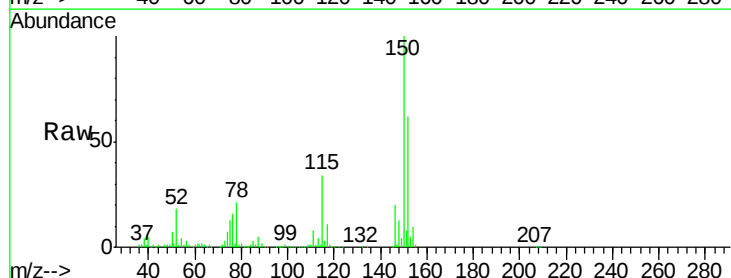
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

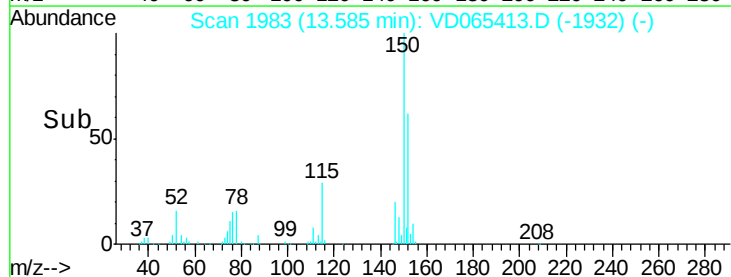
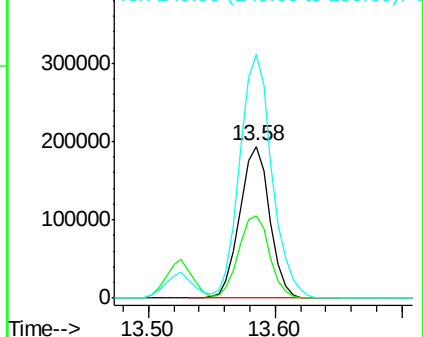
Lab File: VD065413.D

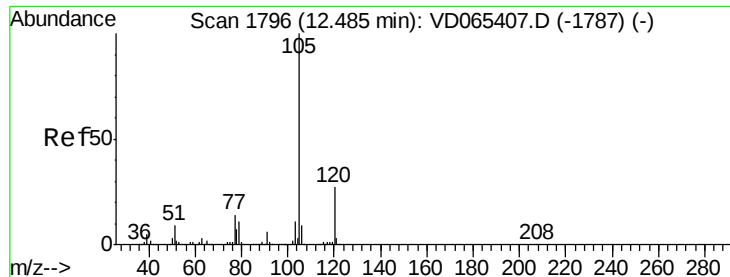
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	173.2	0.0	345.0



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





#73

Isopropylbenzene

Concen: 52.276 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030420

Tot Ion: 105 Resp: 1087238

Ion Ratio Lower Upper

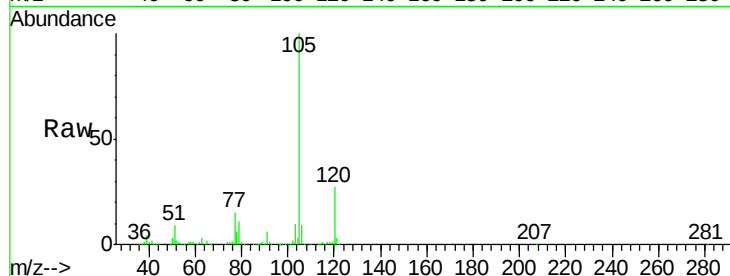
105 100

120 26.7 13.5 40.4

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3/5/2020 1:39:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

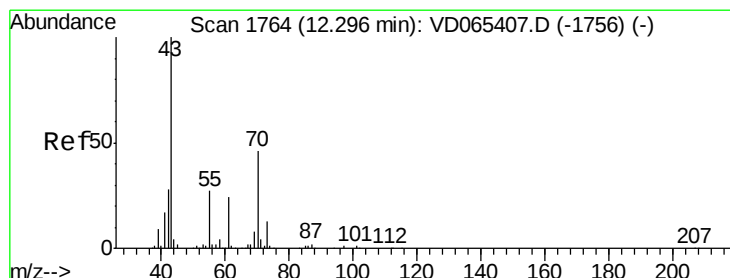
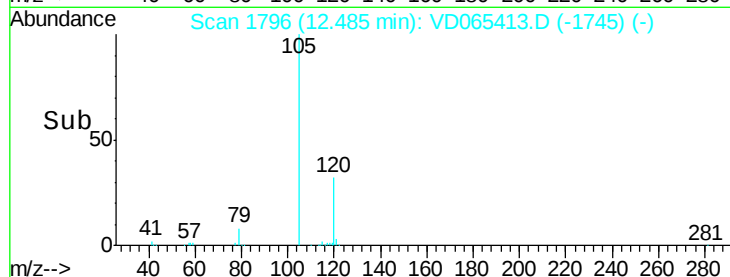
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 51.525 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion: 43 Resp: 219389

Ion Ratio Lower Upper

43 100

70 44.8 36.1 54.1

55 27.1 21.6 32.4

61 24.0 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

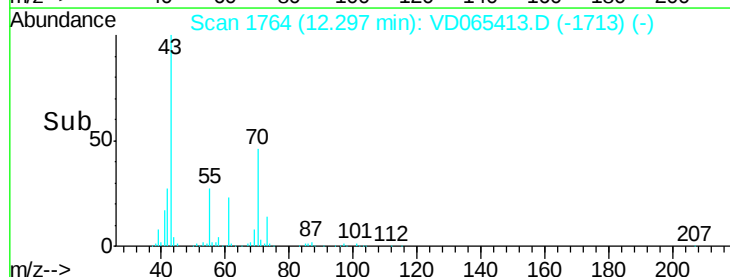
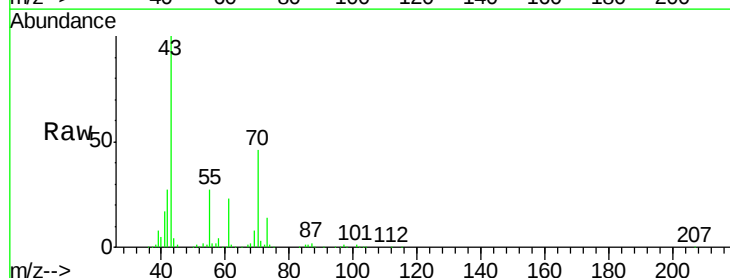
100000

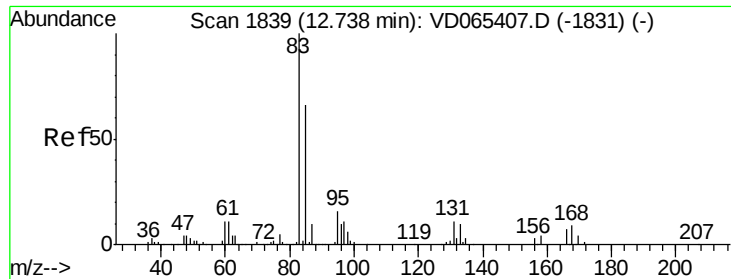
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.167 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

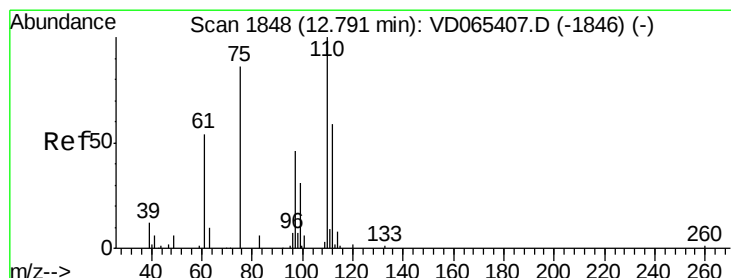
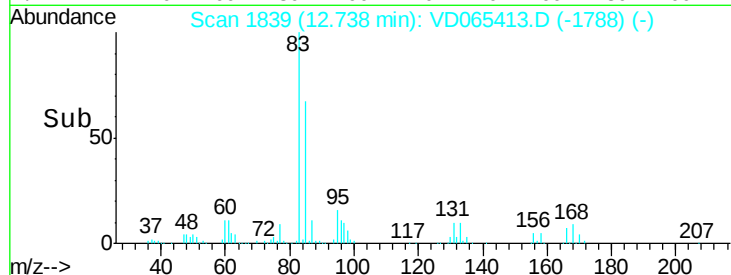
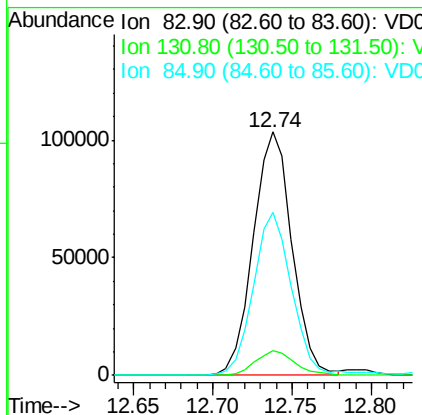
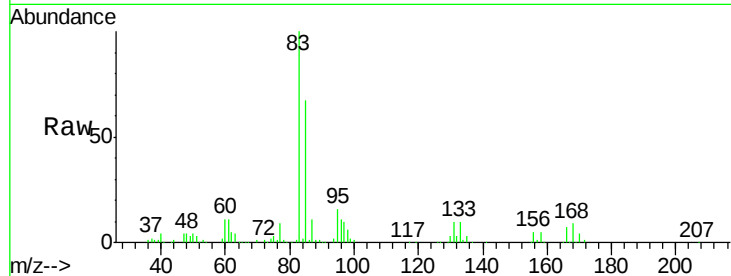
ClientSampled :

ICVVD030420

Tot Ion:	83	Resp:	176090
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	66.8	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.295 ug/l m

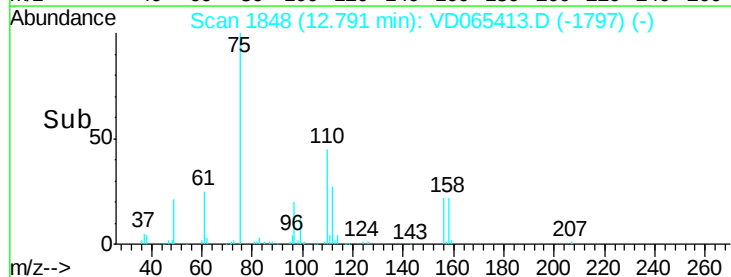
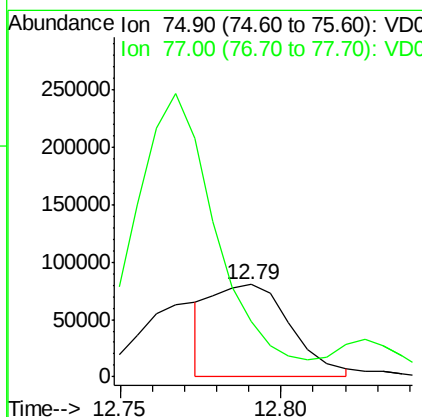
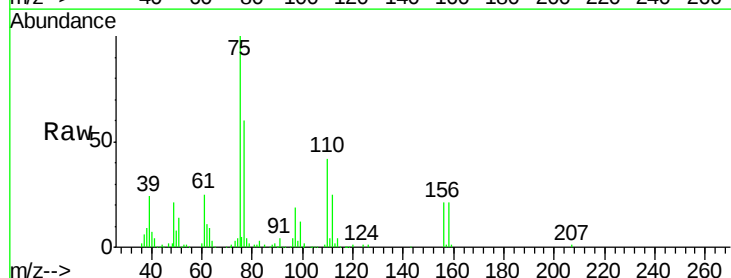
RT: 12.79 min Scan# 1848

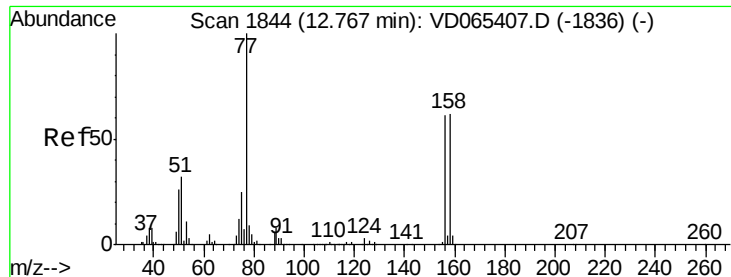
Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion:	75	Resp:	137967
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.303 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

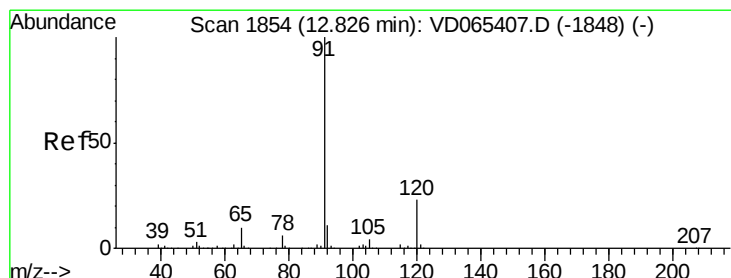
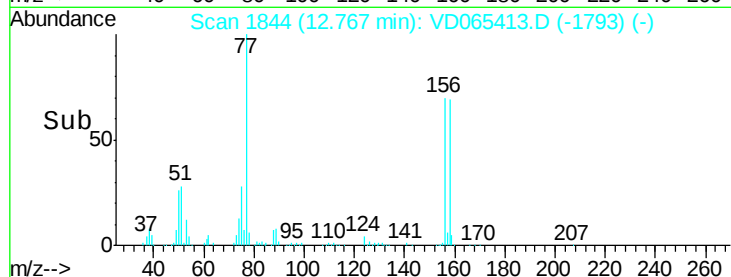
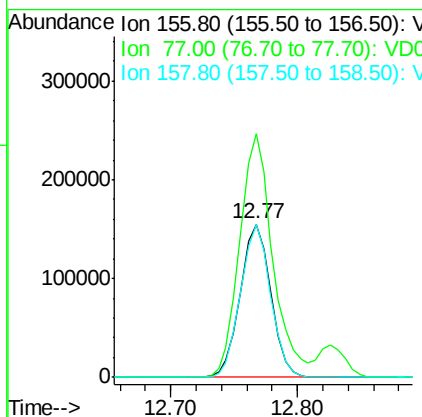
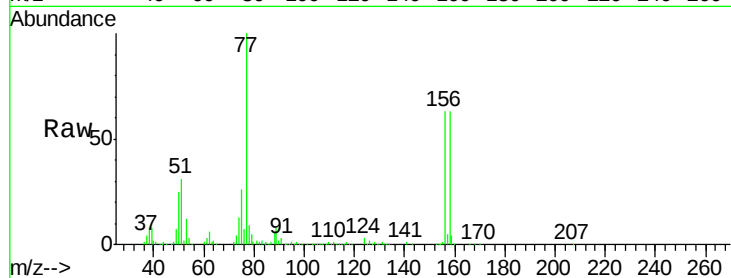
ClientSampleId :

ICVVD030420

Tot Ion:	156	Resp:	259931
Ion Ratio	Lower	Upper	
156	100		
77	171.7	84.9	254.6
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 52.226 ug/l

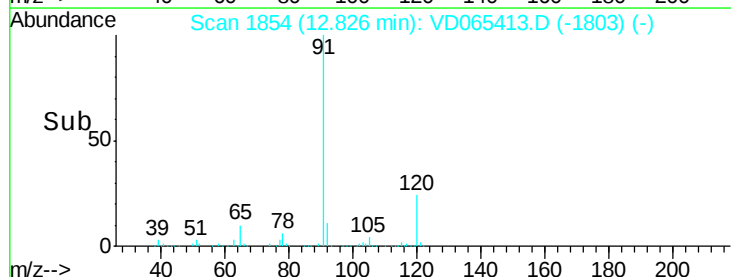
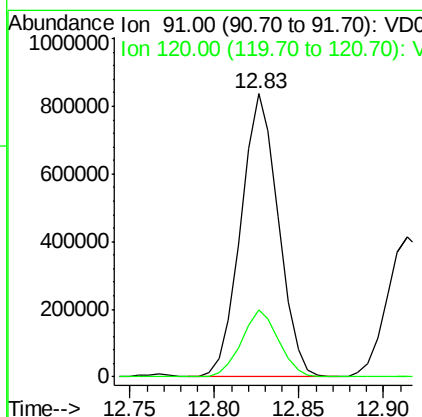
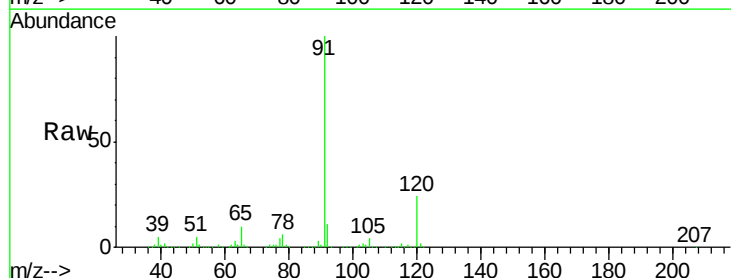
RT: 12.83 min Scan# 1854

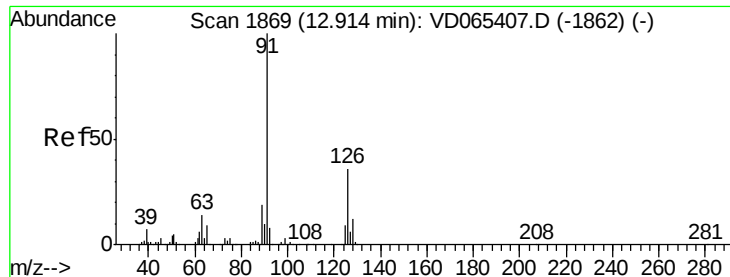
Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion:	91	Resp:	1288783
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





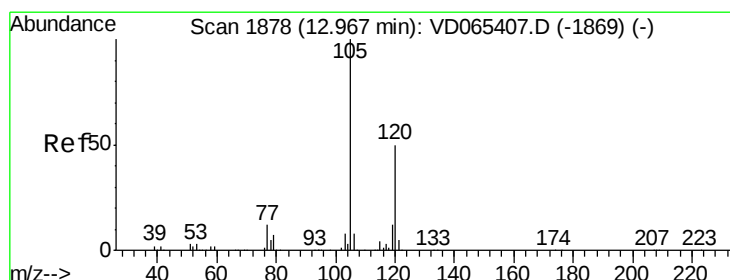
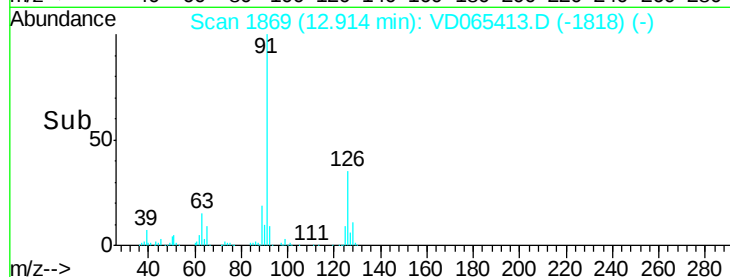
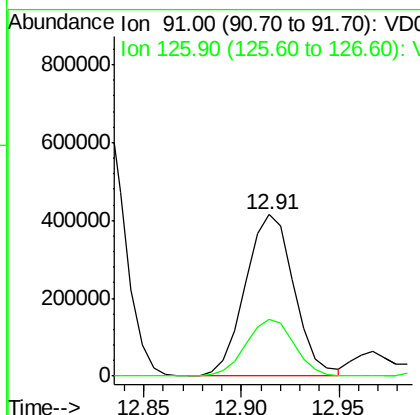
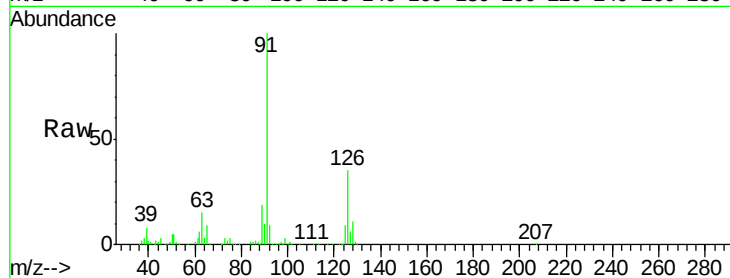
#79
2-Chlorotoluene
Concen: 51.460 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion: 91 Resp: 715687
Ion Ratio Lower Upper
91 100
126 34.8 17.9 53.8

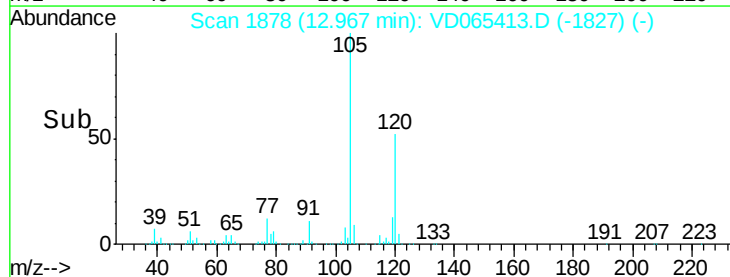
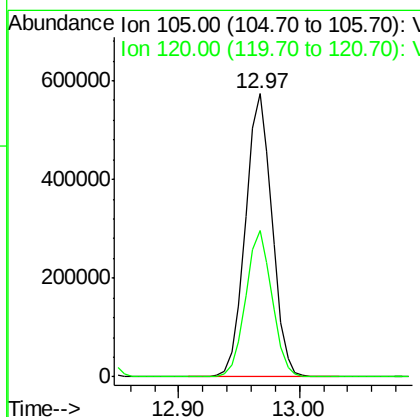
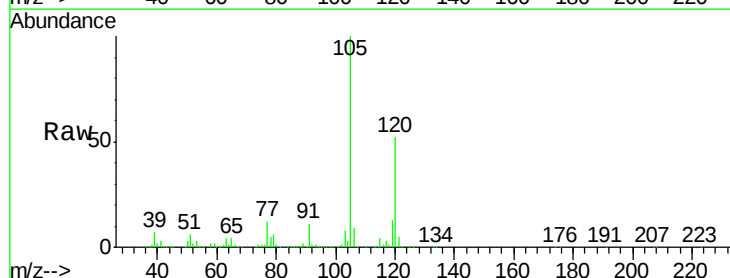
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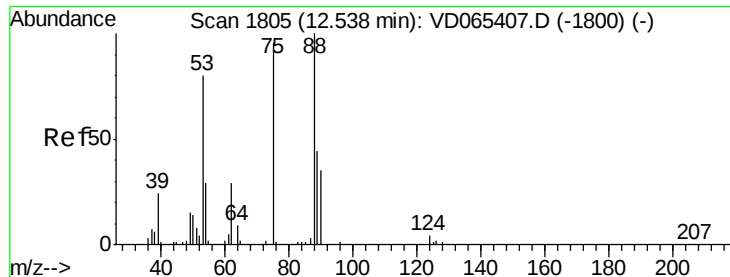
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#80
1,3,5-Trimethylbenzene
Concen: 51.437 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 105 Resp: 879494
Ion Ratio Lower Upper
105 100
120 51.2 25.4 76.0





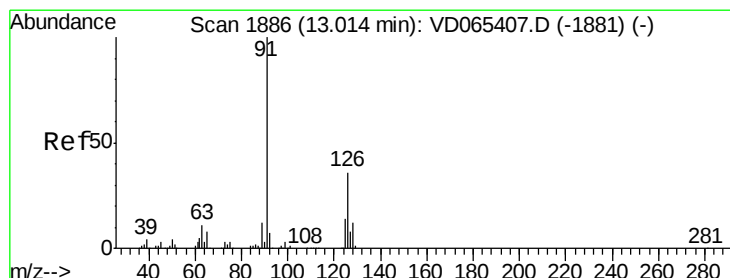
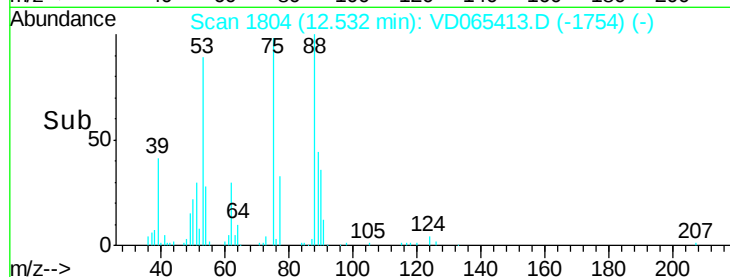
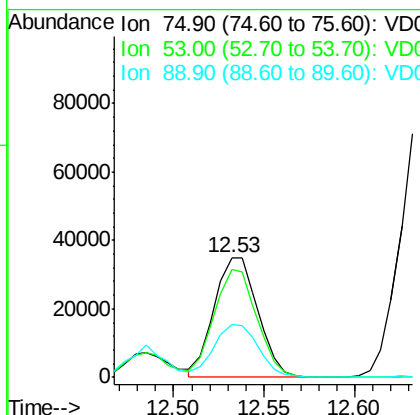
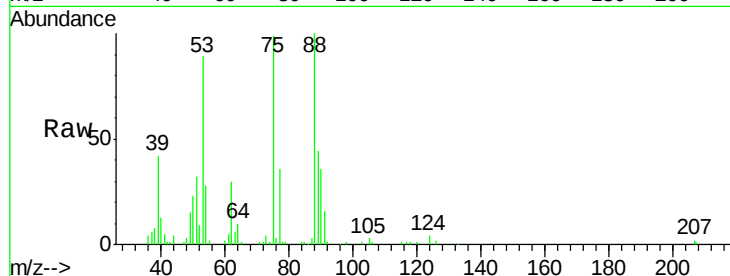
#81
trans-1,4-Dichloro-2-butene
Concen: 49.738 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	71.3	106.9
89	45.0	37.0	55.6

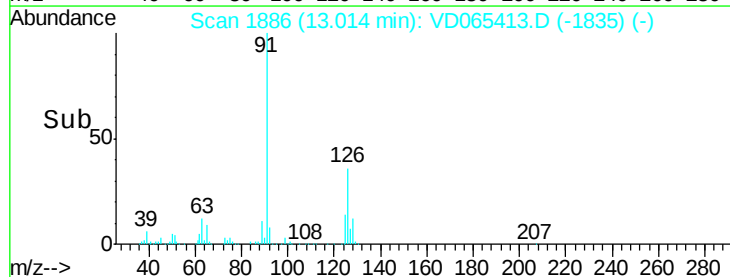
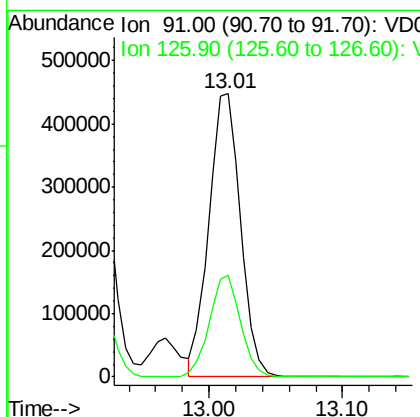
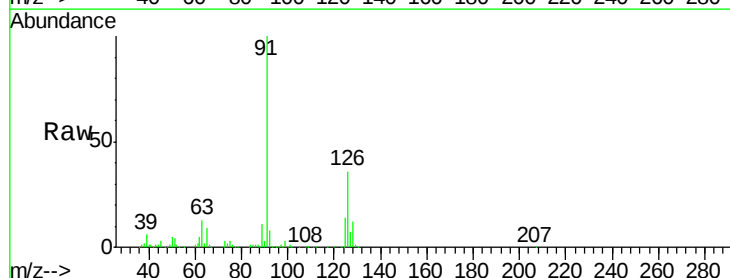
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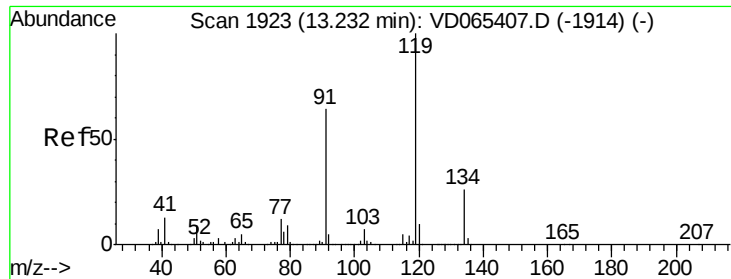
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#82
4-Chlorotoluene
Concen: 50.842 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





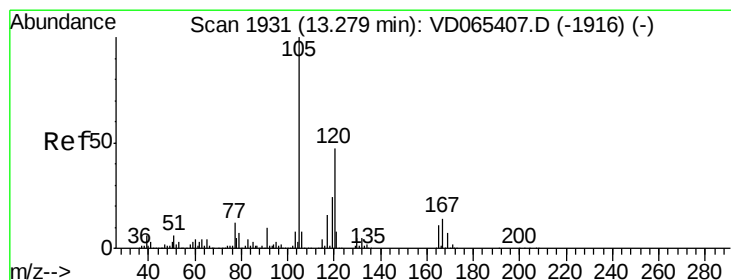
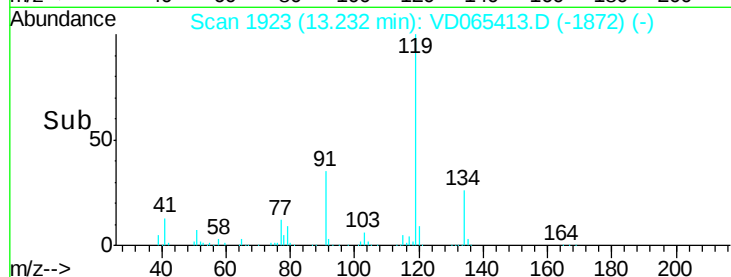
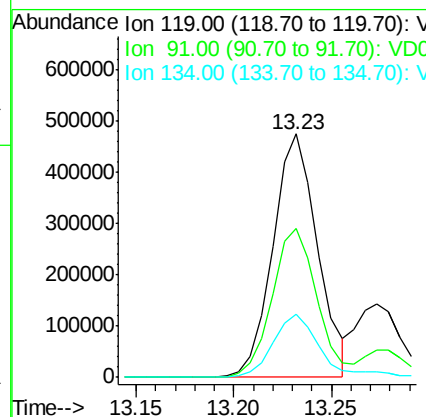
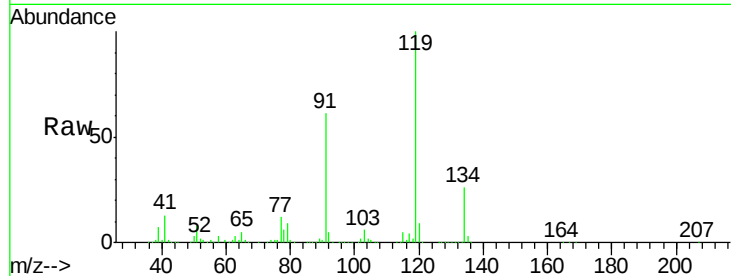
#83
tert-Butylbenzene
Concen: 52.135 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.6	95.0
134	27.4	14.2	42.8

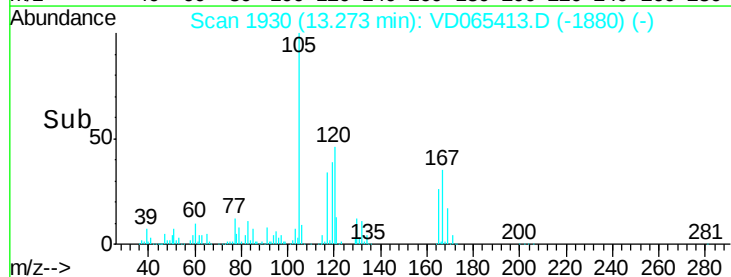
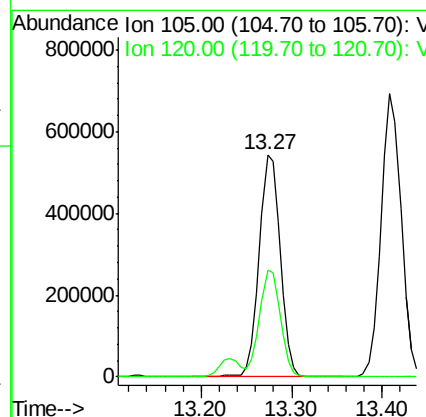
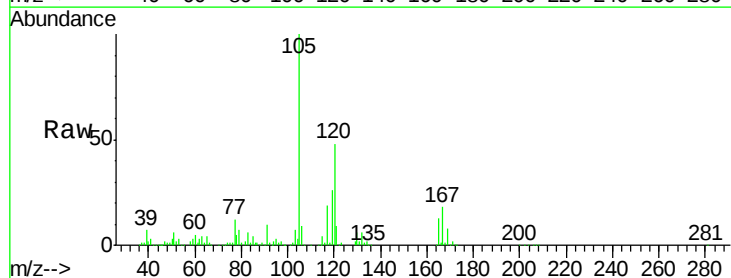
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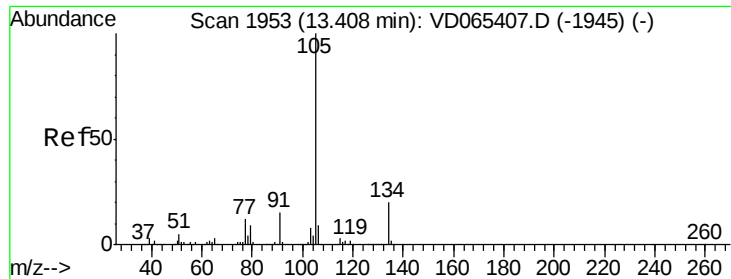
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#84
1,2,4-Trimethylbenzene
Concen: 52.181 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.3





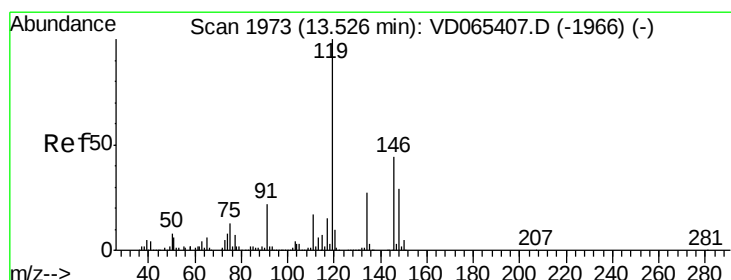
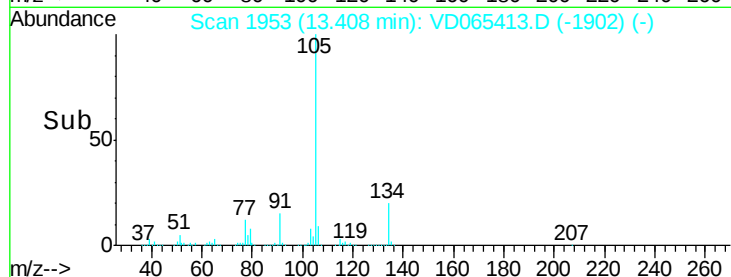
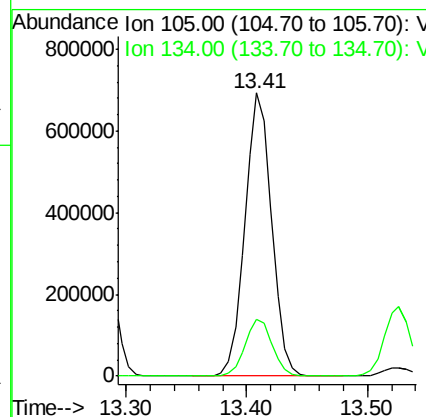
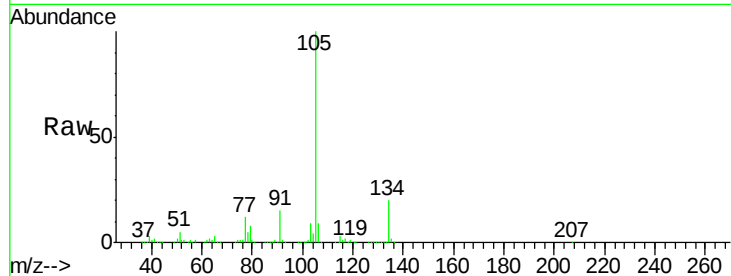
#85
 sec-Butylbenzene
 Concen: 51.561 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion:105 Resp: 1064646
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9

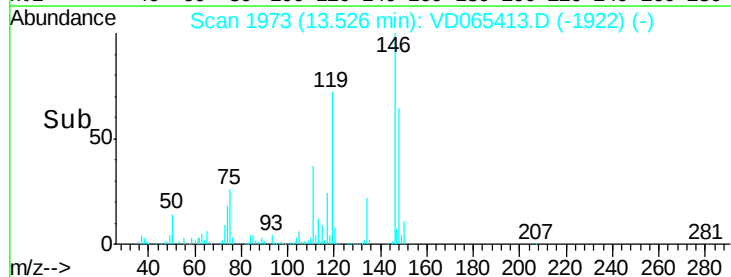
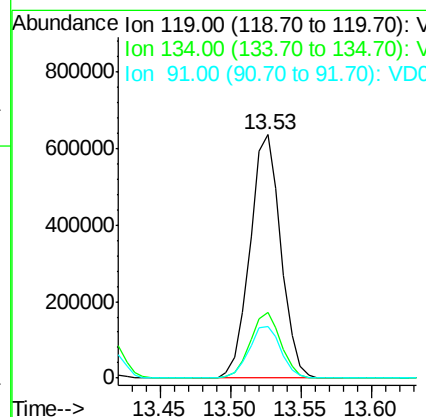
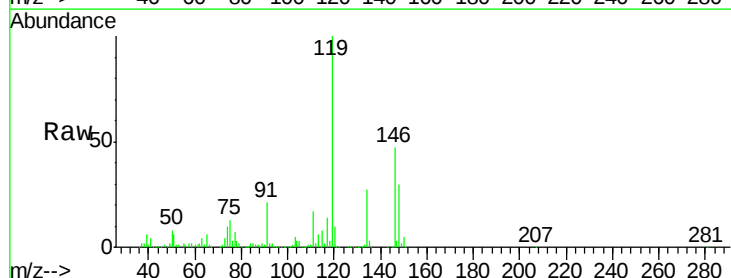
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#86
 p-Isopropyltoluene
 Concen: 51.597 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion:119 Resp: 972162
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 21.9 10.9 32.6





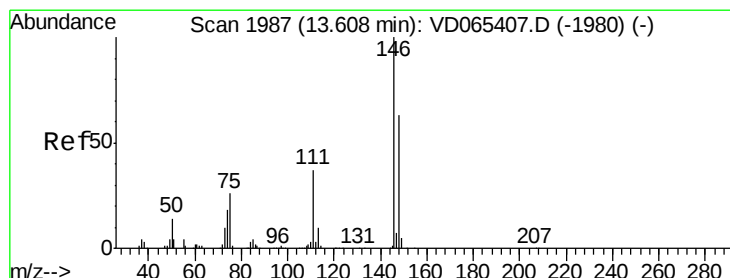
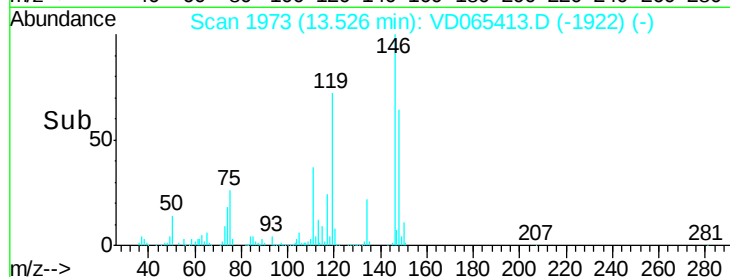
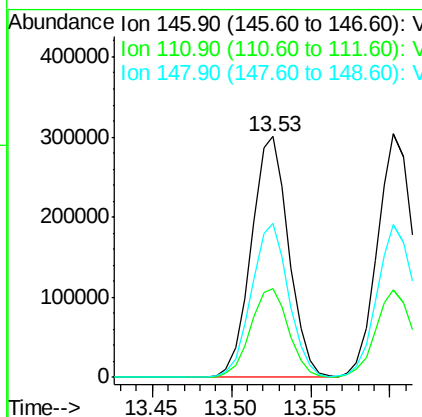
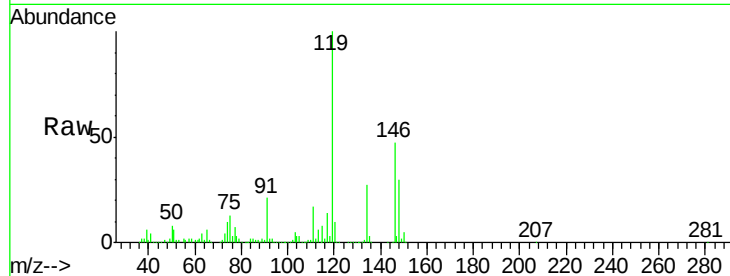
#87
 1,3-Dichlorobenzene
 Concen: 49.524 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.6	32.3	96.8

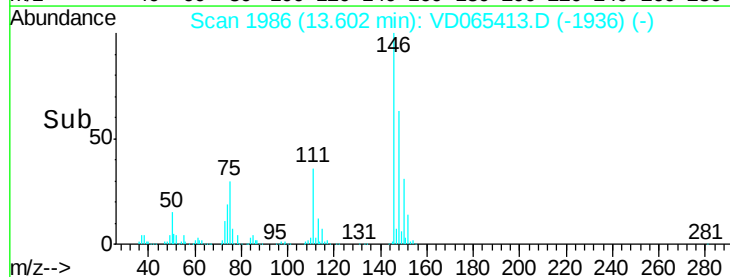
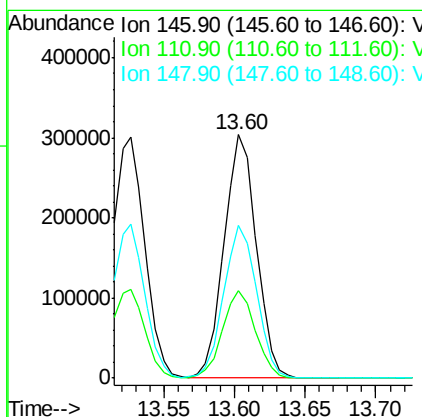
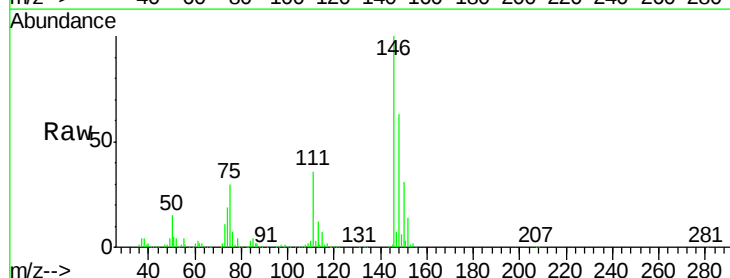
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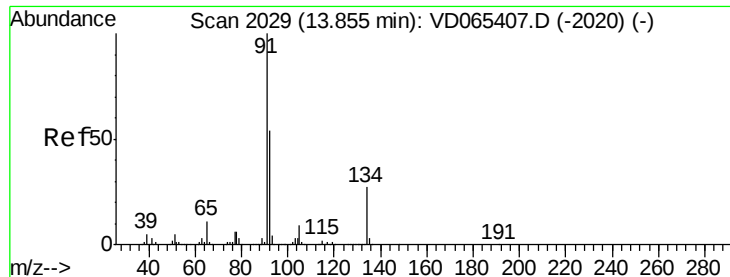
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#88
 1,4-Dichlorobenzene
 Concen: 48.917 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	64.0	32.0	96.0





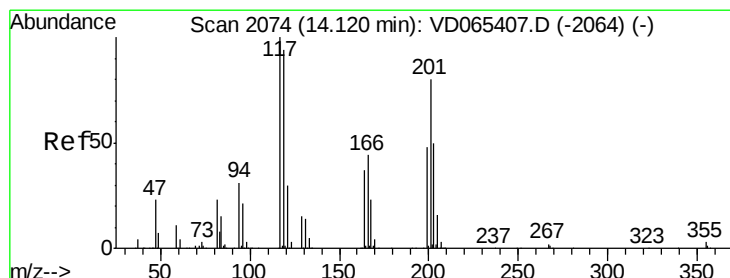
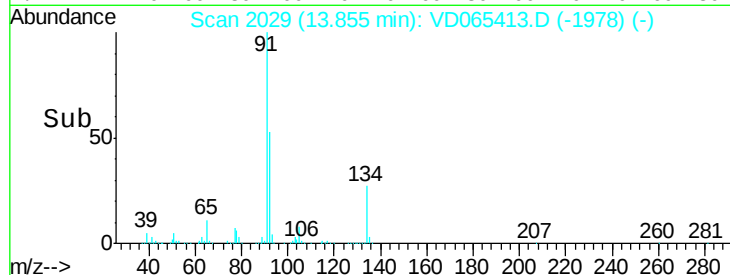
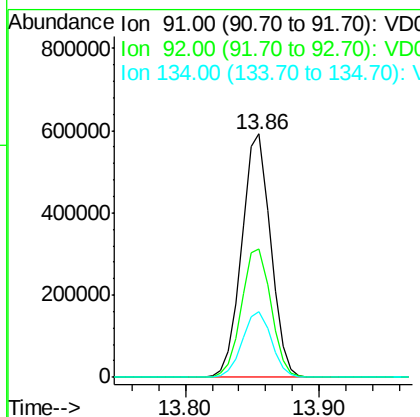
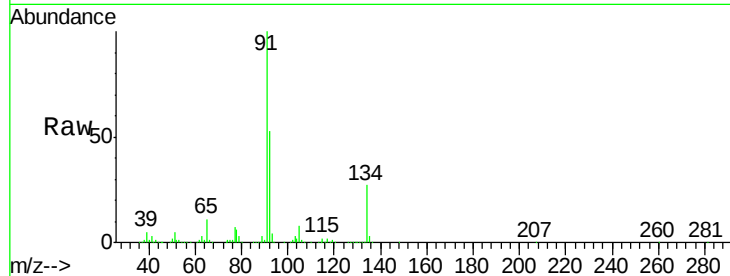
#89
n-Butylbenzene
Concen: 50.804 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	27.1	13.4	40.2

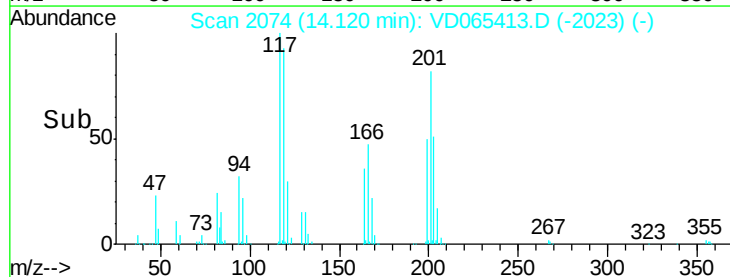
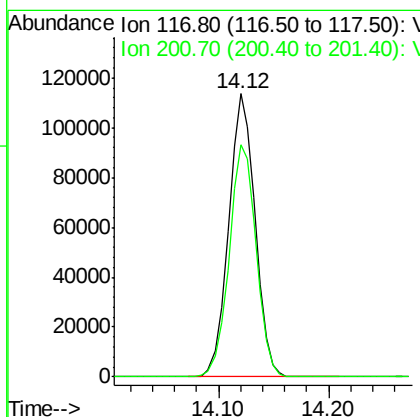
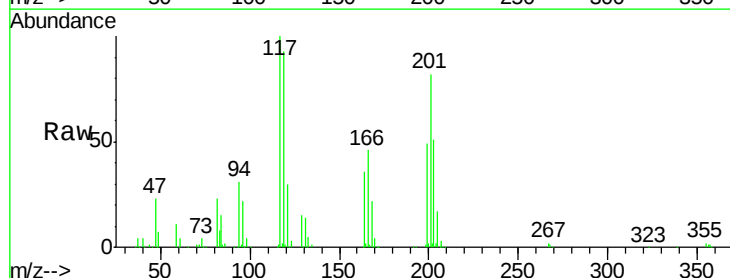
Manual Integrations
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#90
Hexachloroethane
Concen: 49.074 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.9	125.6





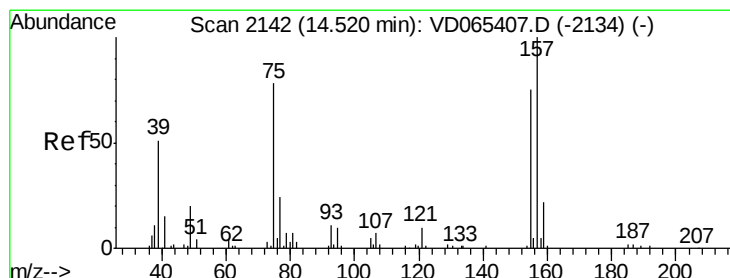
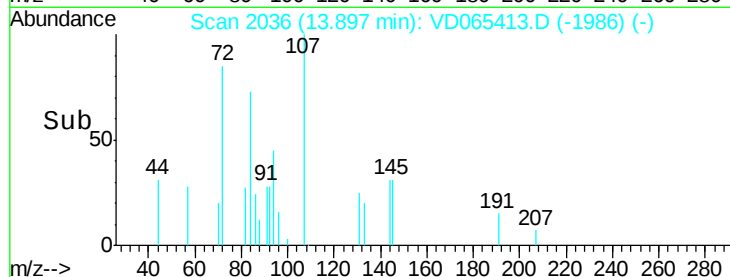
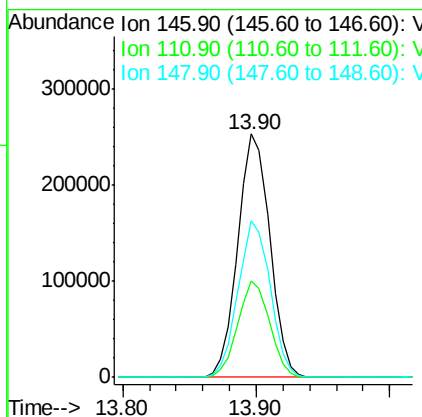
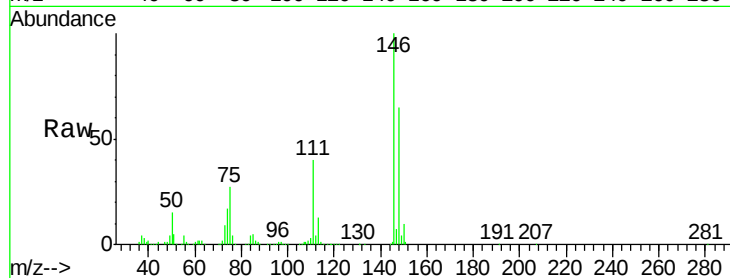
#91
1,2-Dichlorobenzene
Concen: 49.994 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.6	32.6	97.8

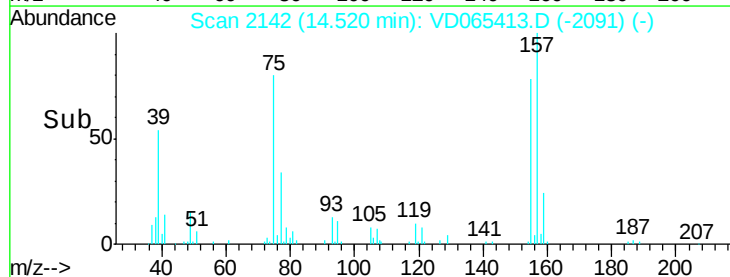
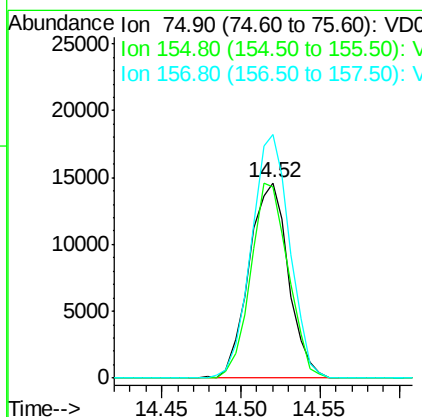
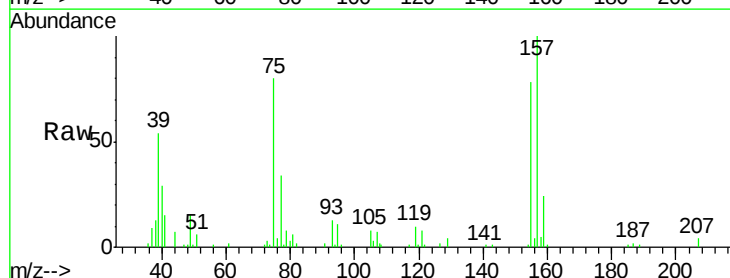
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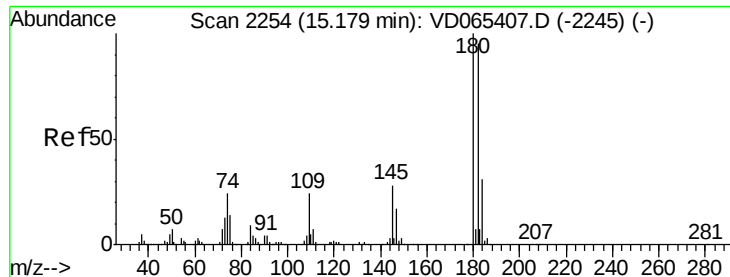
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 45.403 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.4	139.1
157	121.3	60.2	180.4





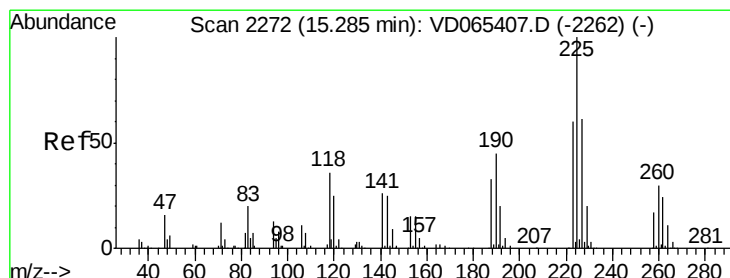
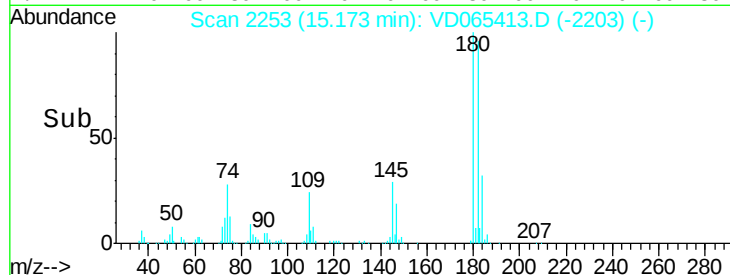
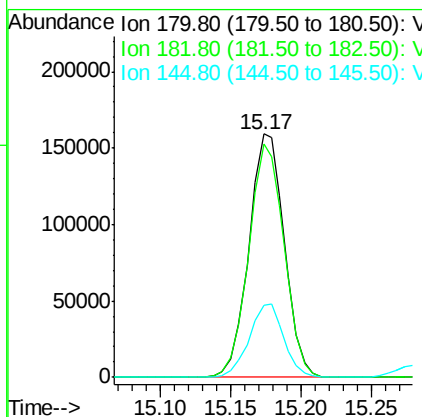
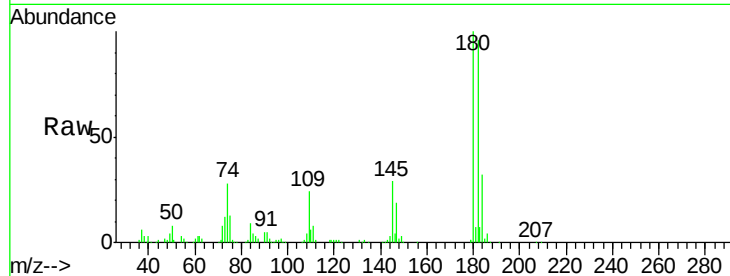
#93
 1,2,4-Trichlorobenzene
 Concen: 48.899 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030420

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280188		
182	95.7	48.3	144.9	
145	29.4	14.4	43.4	

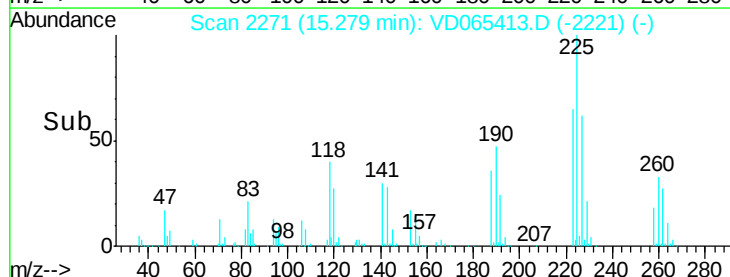
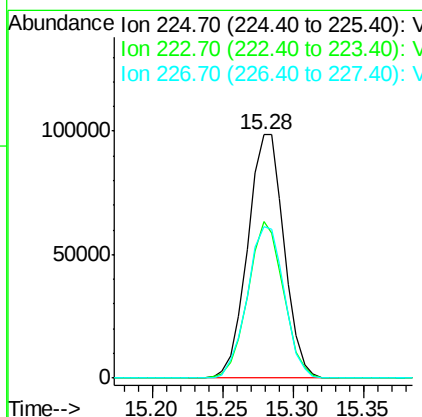
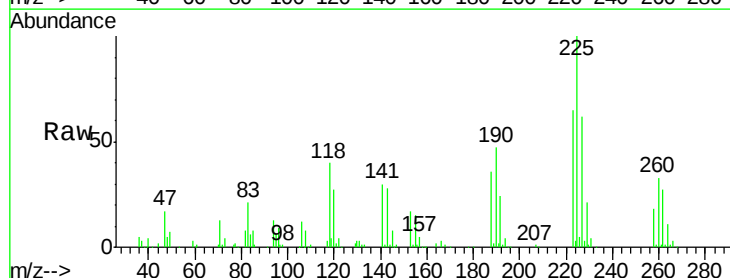
Manual Integrations
 APPROVED

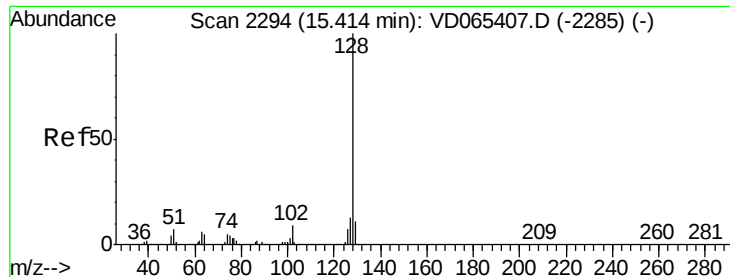
MMDadoda
 3/5/2020 1:39:05 PM



#94
 Hexachlorobutadiene
 Concen: 47.368 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178341		
223	62.5	30.9	92.5	
227	63.3	31.6	94.7	





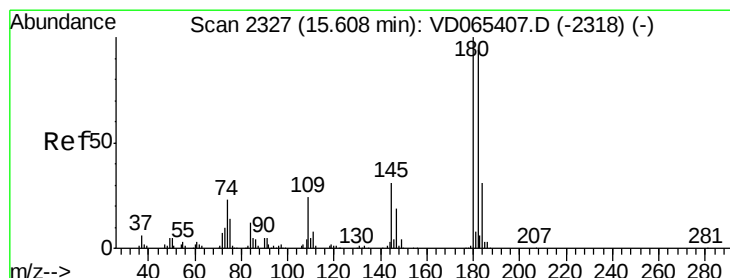
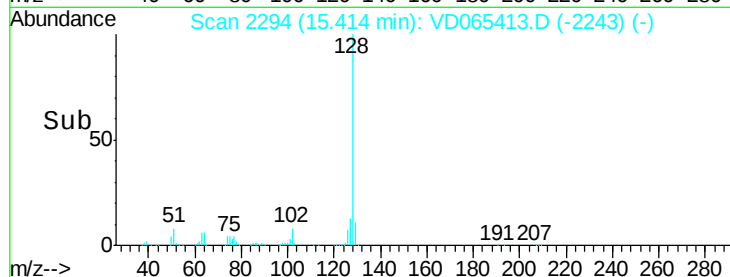
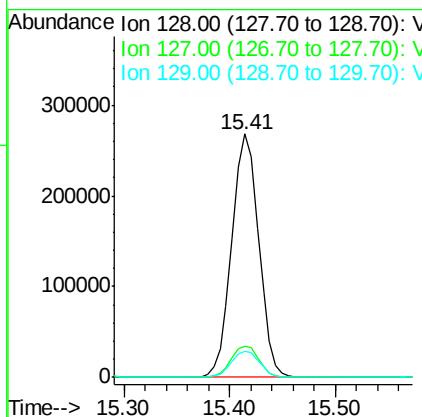
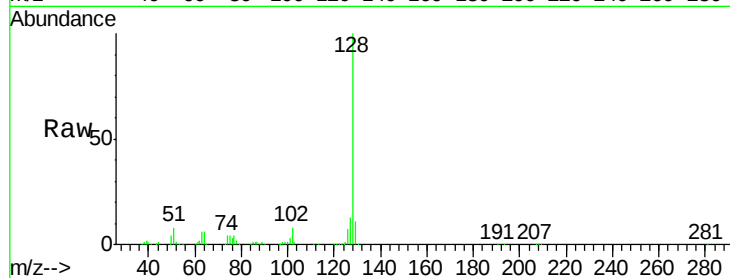
#95
Naphthalene
Concen: 46.658 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030420

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.935 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	30.8	15.0	45.1

