

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065996.D
 Acq On : 22 Jul 2020 12:43
 Operator : VA/SY
 Sample : VD0722SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:35 PM

Quant Time: Jul 22 15:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	340066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142156	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.92	113	152550	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	587648	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.64	95	206311	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62105	24.065	ug/l	99
3) Chloromethane	2.21	50	48556	23.055	ug/l	100
4) Vinyl Chloride	2.35	62	44540	22.208	ug/l	93
5) Bromomethane	2.76	94	32416	19.969	ug/l	99
6) Chloroethane	2.92	64	27954	23.349	ug/l	97
7) Trichlorofluoromethane	3.27	101	108739	22.290	ug/l	92
8) Diethyl Ether	3.70	74	30273	22.451	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65202	22.136	ug/l	98
10) Methyl Iodide	4.30	142	63801	26.475	ug/l	99
11) Tert butyl alcohol	5.21	59	23968	124.007	ug/l	99
12) 1,1-Dichloroethene	4.06	96	62810	22.339	ug/l	99
13) Acrolein	3.93	56	22232	95.362	ug/l	97
14) Allyl chloride	4.71	41	95065	21.629	ug/l	96
15) Acrylonitrile	5.42	53	61177	106.197	ug/l	98
16) Acetone	4.16	43	52300	93.377	ug/l	94
17) Carbon Disulfide	4.41	76	195638	21.451	ug/l	99
18) Methyl Acetate	4.72	43	26589	20.407	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	128720	22.282	ug/l #	90
20) Methylene Chloride	4.96	84	75531	22.774	ug/l	92
21) trans-1,2-Dichloroethene	5.48	96	69872	21.988	ug/l	99
22) Diisopropyl ether	6.36	45	189979	22.752	ug/l	97
23) Vinyl Acetate	6.31	43	521248	110.688	ug/l	98
24) 1,1-Dichloroethane	6.26	63	114946	22.719	ug/l	98
25) 2-Butanone	7.21	43	73395	98.755	ug/l	98
26) 2,2-Dichloropropane	7.21	77	100136	22.009	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	75152	22.336	ug/l	98
28) Bromochloromethane	7.54	49	46026	21.434	ug/l	98
29) Tetrahydrofuran	7.56	42	48911	106.662	ug/l	99
30) Chloroform	7.71	83	119697	22.617	ug/l	99
31) Cyclohexane	7.98	56	106179	21.332	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	106440	21.743	ug/l	99
36) 1,1-Dichloropropene	8.11	75	92121	21.553	ug/l	99
37) Ethyl Acetate	7.30	43	34924	21.396	ug/l	98
38) Carbon Tetrachloride	8.10	117	101717	21.933	ug/l	98

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

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 7/23/2020 2:14:35 PM

Quant Time: Jul 22 15:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	114967	22.212	ug/l	93
40) Benzene	8.35	78	267120	22.339	ug/l	92
41) Methacrylonitrile	7.52	41	14176	15.160	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	71964	21.963	ug/l	98
43) Isopropyl Acetate	8.46	43	70210	22.023	ug/l	95
44) Trichloroethene	9.11	130	77931	21.537	ug/l	94
45) 1,2-Dichloropropane	9.39	63	65646	22.668	ug/l	95
46) Dibromomethane	9.48	93	34260	21.976	ug/l	99
47) Bromodichloromethane	9.67	83	91302	22.149	ug/l	98
48) Methyl methacrylate	9.46	41	35238	21.912	ug/l	98
49) 1,4-Dioxane	9.47	88	7508	415.681	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	171274	106.625	ug/l	99
52) Toluene	10.41	92	176359	22.616	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	83777	21.815	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	105929	22.755	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	47744	21.593	ug/l	94
56) Ethyl methacrylate	10.67	69	54812	21.322	ug/l	95
57) 1,3-Dichloropropane	10.95	76	82129	22.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	136005	110.750	ug/l	98
59) 2-Hexanone	10.99	43	114077	102.480	ug/l	98
60) Dibromochloromethane	11.14	129	67060	22.494	ug/l	98
61) 1,2-Dibromoethane	11.25	107	48470	22.736	ug/l	100
64) Tetrachloroethene	10.88	164	69987	22.009	ug/l	96
65) Chlorobenzene	11.67	112	189818	22.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	73318	23.148	ug/l	99
67) Ethyl Benzene	11.75	91	329294	22.307	ug/l	100
68) m/p-Xylenes	11.86	106	260991	45.998	ug/l	100
69) o-Xylene	12.18	106	118115	22.888	ug/l	99
70) Styrene	12.20	104	206535	23.293	ug/l	99
71) Bromoform	12.37	173	39906	21.509	ug/l #	99
73) Isopropylbenzene	12.48	105	326881	22.558	ug/l	100
74) N-amyl acetate	12.29	43	62198	20.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	52476	21.913	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	40574m	22.502	ug/l	
77) Bromobenzene	12.77	156	81299	21.953	ug/l	97
78) n-propylbenzene	12.83	91	376804	22.409	ug/l	98
79) 2-Chlorotoluene	12.91	91	213580	22.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	265069	22.265	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	16154	20.558	ug/l	100
82) 4-Chlorotoluene	13.01	91	229471	22.631	ug/l	99
83) tert-Butylbenzene	13.23	119	235470	22.603	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	270746	23.051	ug/l	99
85) sec-Butylbenzene	13.41	105	321713	22.420	ug/l	100
86) p-Isopropyltoluene	13.52	119	304592	23.365	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	156585	22.774	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	156742	22.550	ug/l	99
89) n-Butylbenzene	13.85	91	265307	21.887	ug/l	100
90) Hexachloroethane	14.12	117	58062	21.515	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	137330	23.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8126	20.704	ug/l	98

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Sample : VD0722SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Manual Integrations
APPROVED

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Quant Time: Jul 22 15:53:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97627	22.828	ug/l	99
94) Hexachlorobutadiene	15.27	225	59270	22.417	ug/l	99
95) Naphthalene	15.41	128	148661	21.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81135	21.823	ug/l	98

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

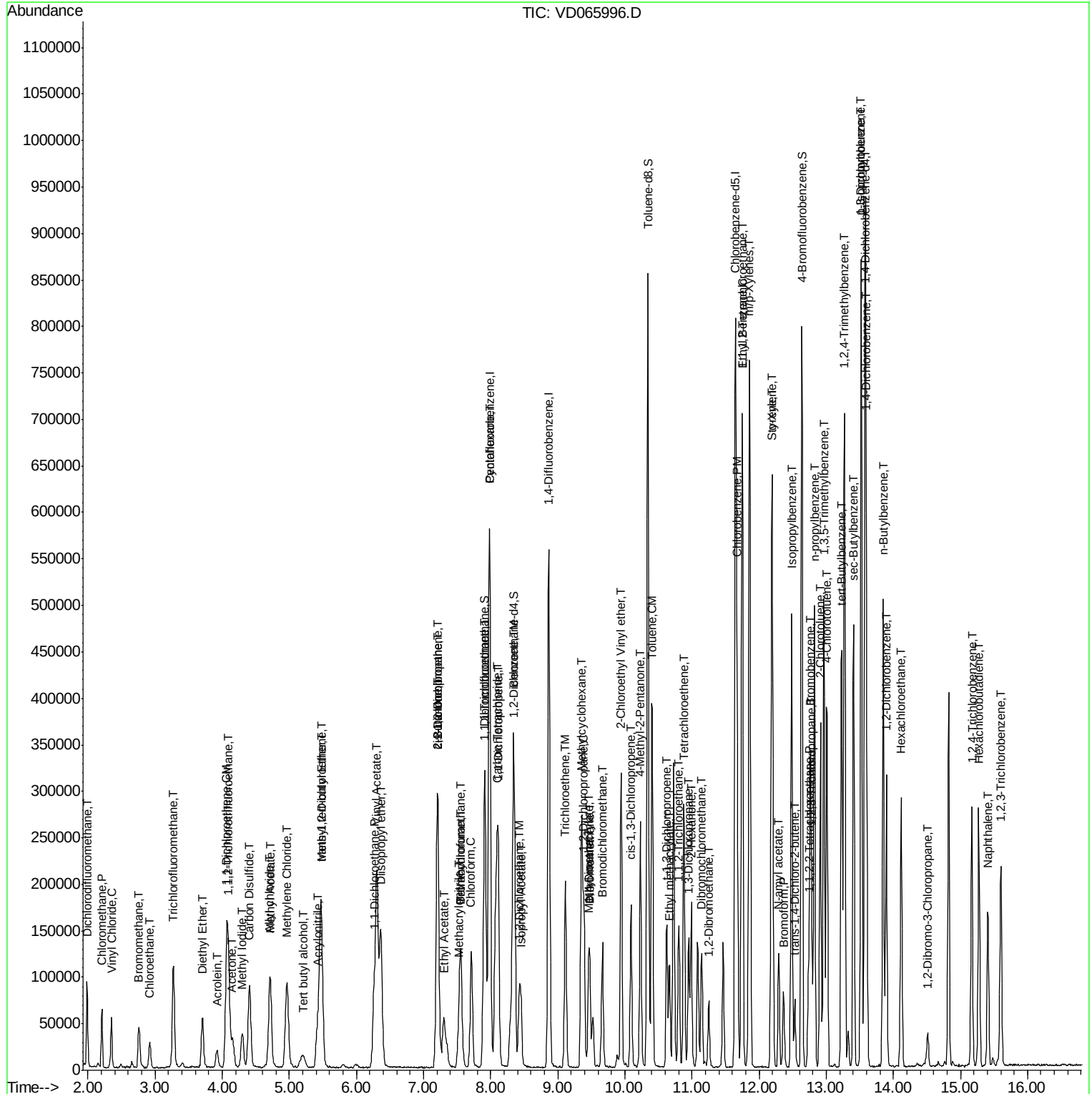
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065996.D
 Acq On : 22 Jul 2020 12:43
 Operator : VA/SY
 Sample : VD0722SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

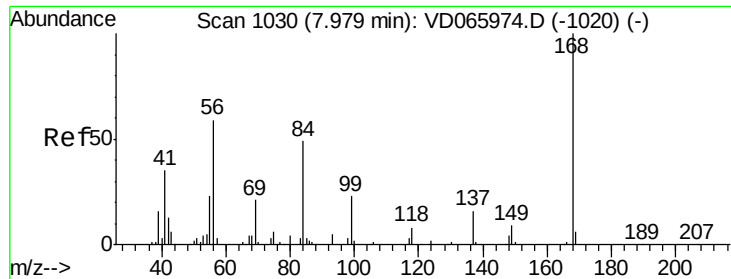
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:168 Resp: 340066

Ion Ratio Lower Upper

168 100

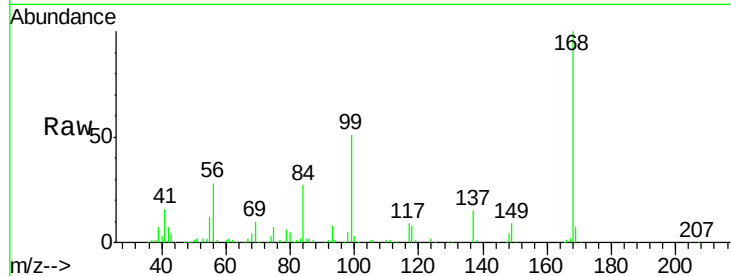
99 50.2 40.8 61.2

Manual Integrations

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7/23/2020 2:14:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

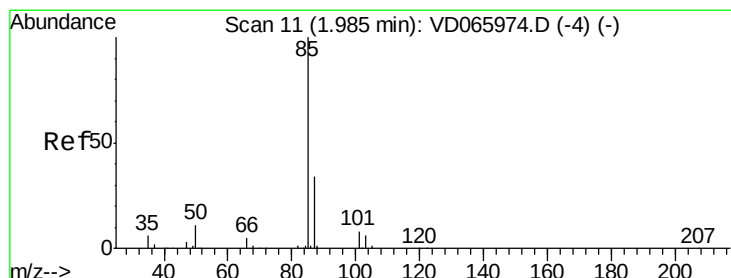
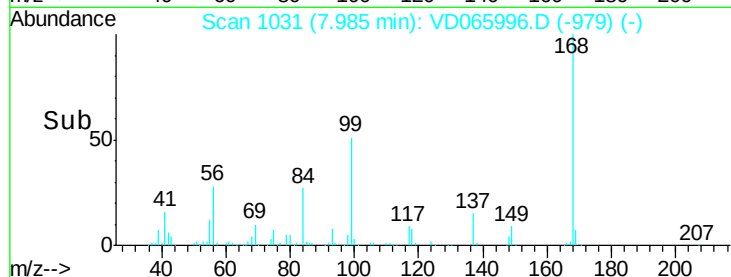
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.065 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065996.D

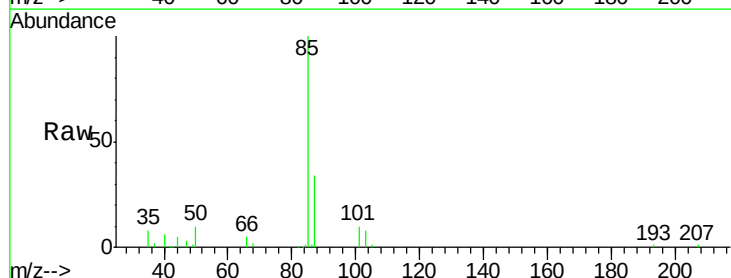
Acq: 22 Jul 2020 12:43

Tgt Ion: 85 Resp: 62105

Ion Ratio Lower Upper

85 100

87 34.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

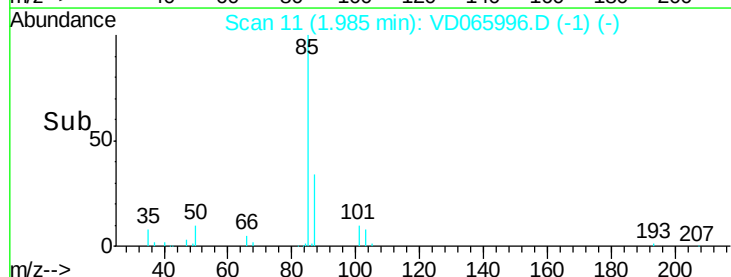
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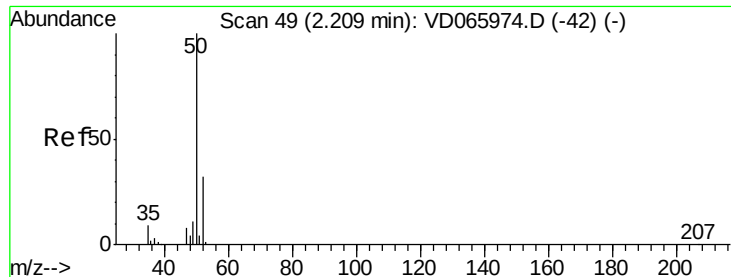
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 23.055 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 50 Resp: 48556

Ion Ratio Lower Upper

50 100

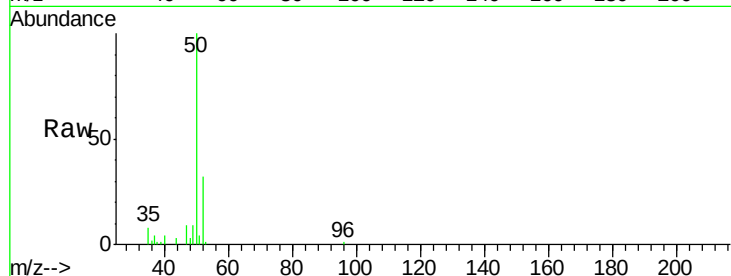
52 32.3 25.8 38.8

Manual Integrations

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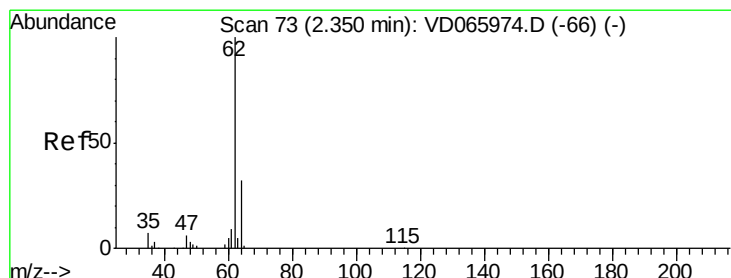
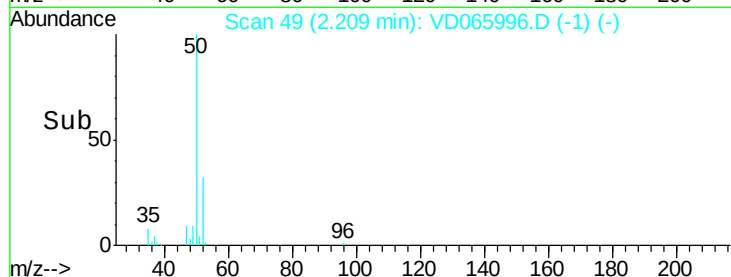
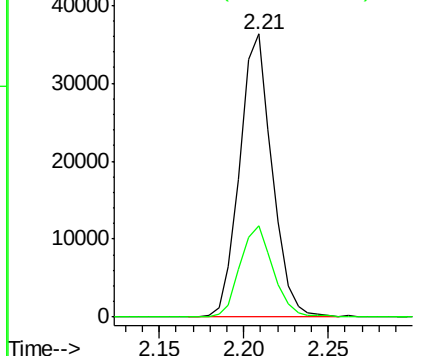
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.208 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065996.D

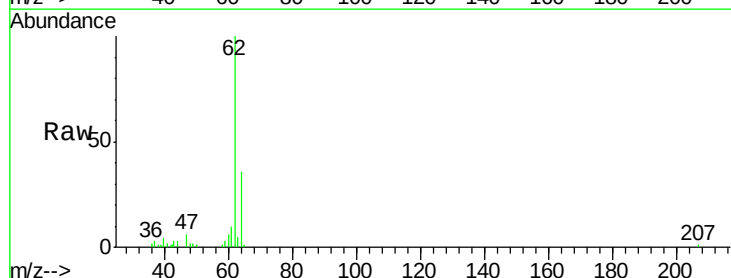
Acq: 22 Jul 2020 12:43

Tgt Ion: 62 Resp: 44540

Ion Ratio Lower Upper

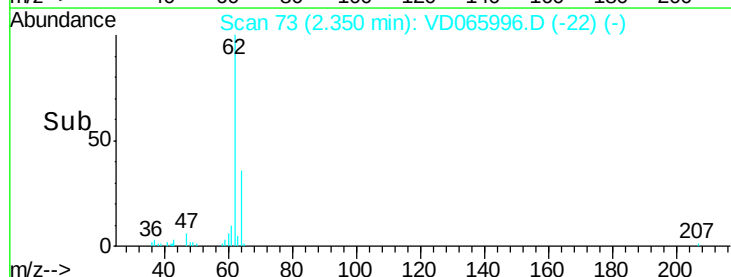
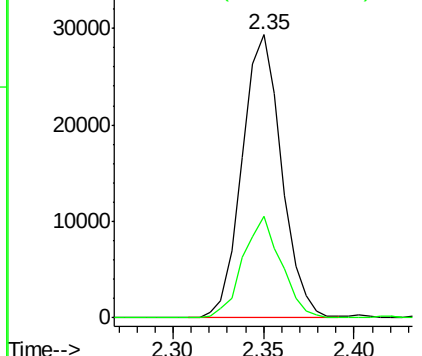
62 100

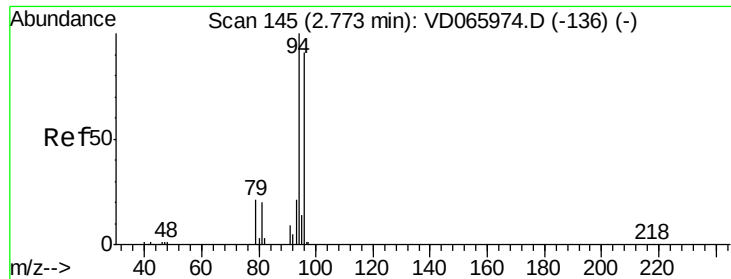
64 36.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.969 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 94 Resp: 32416

Ion Ratio Lower Upper

94 100

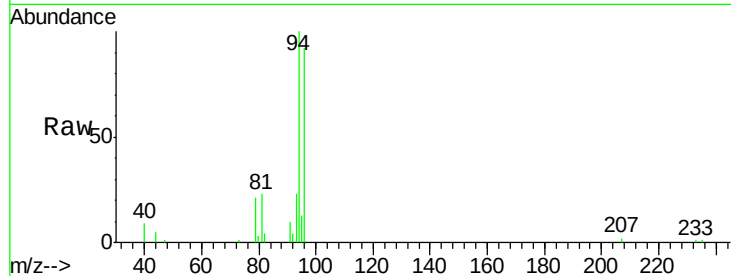
96 92.3 73.0 109.4

Manual Integrations

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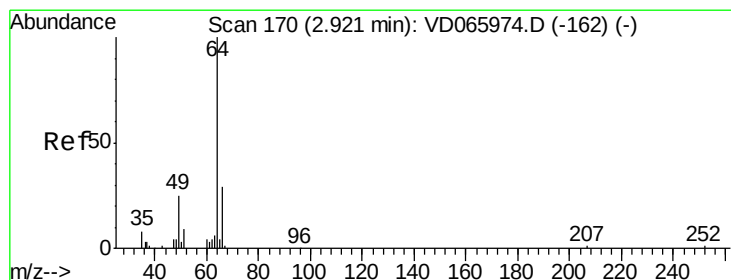
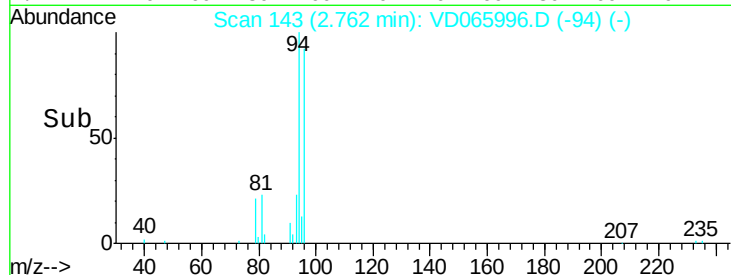
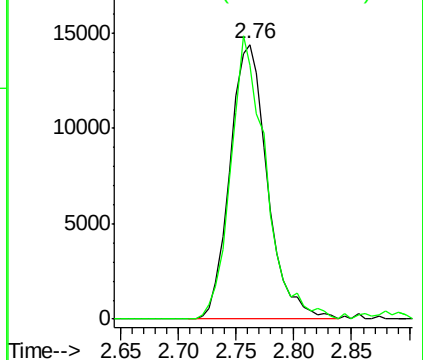
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.349 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065996.D

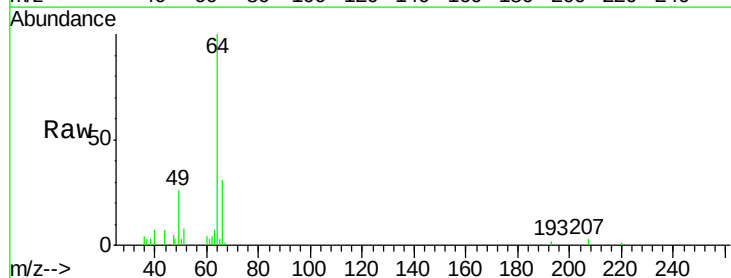
Acq: 22 Jul 2020 12:43

Tgt Ion: 64 Resp: 27954

Ion Ratio Lower Upper

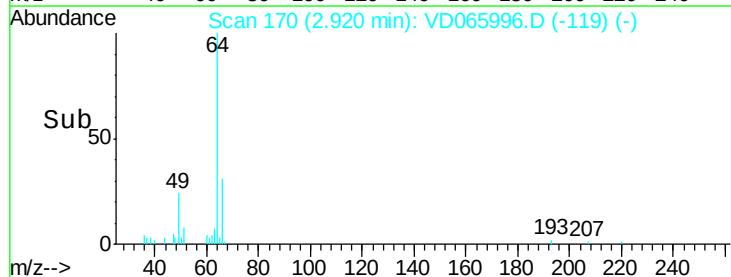
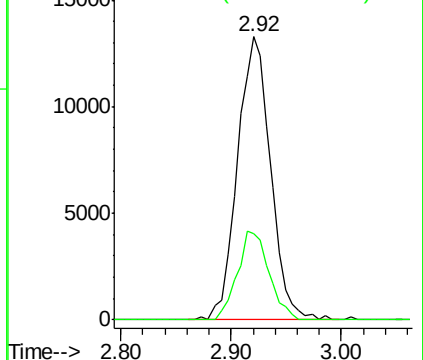
64 100

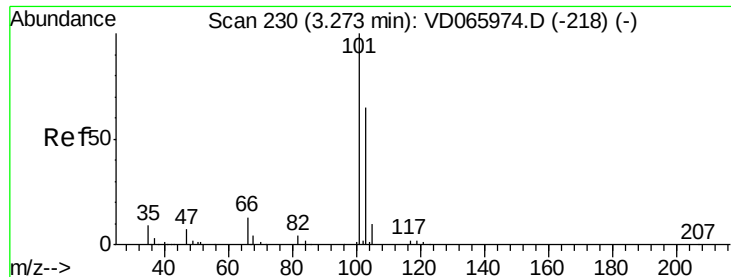
66 30.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

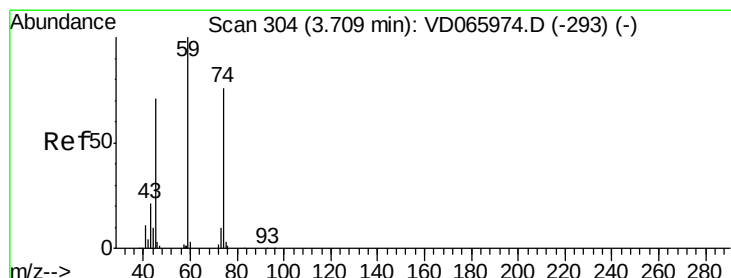
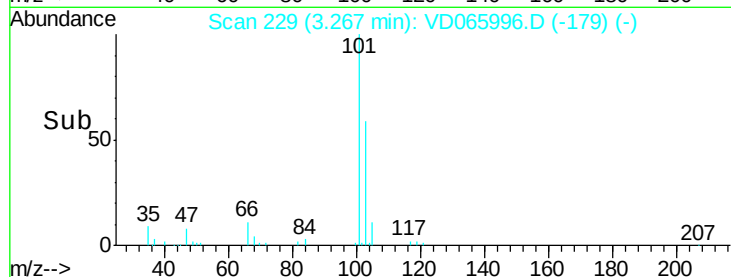
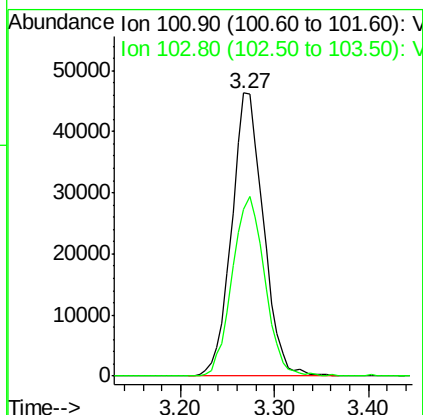
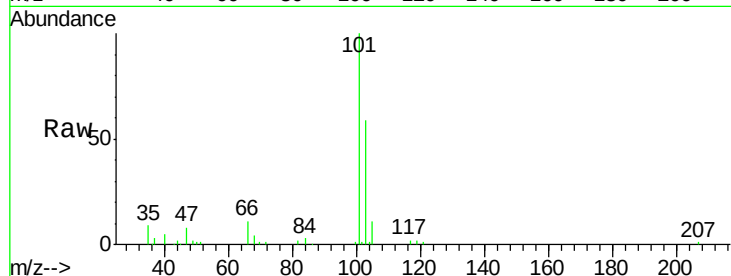
Trichlorofluoromethane
Concen: 22.290 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	52.1	78.1

Manual Integrations
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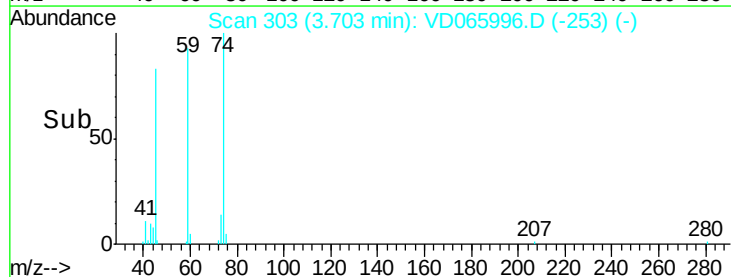
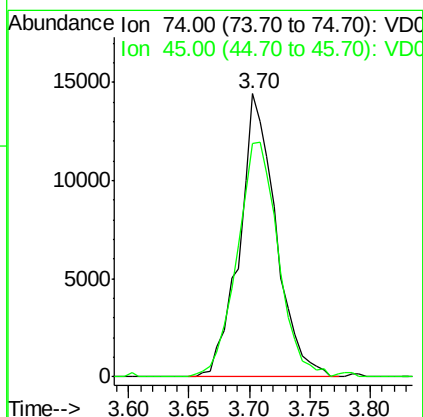
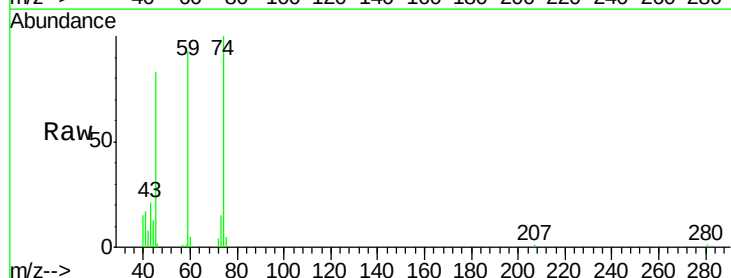
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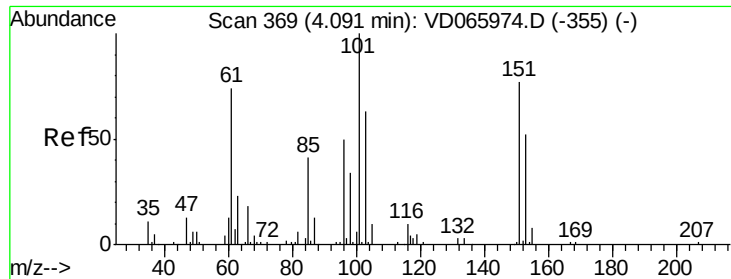


#8

Diethyl Ether
Concen: 22.451 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.136 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

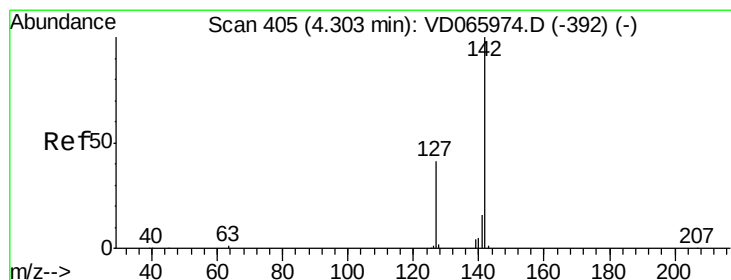
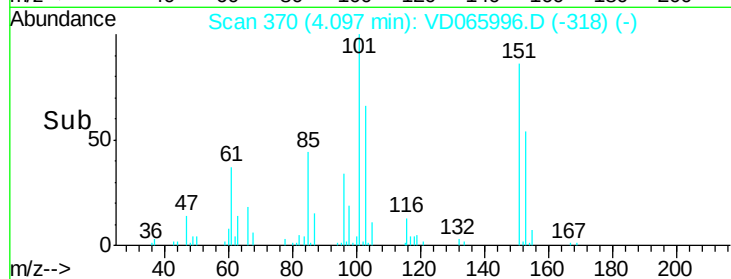
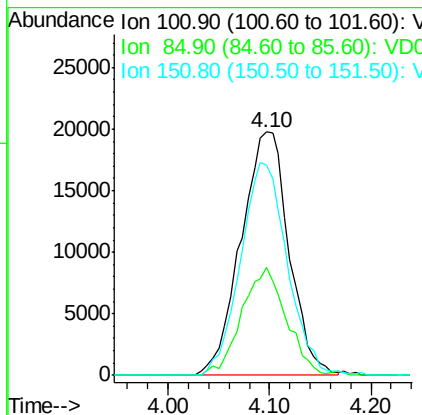
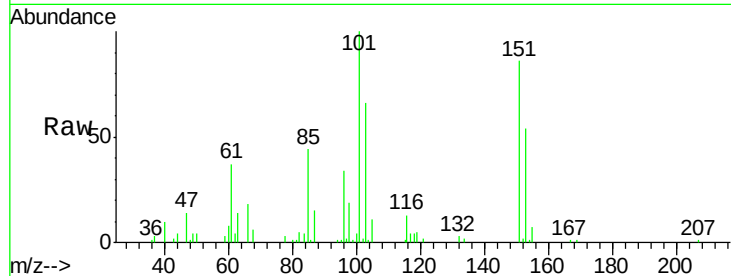
ClientSampleId :

VD0722SBS01

Tot Ion:	101	Resp:	65202
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.6	50.4
151	85.4	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 26.475 ug/l

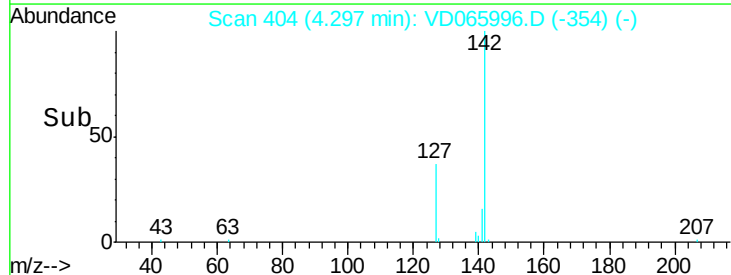
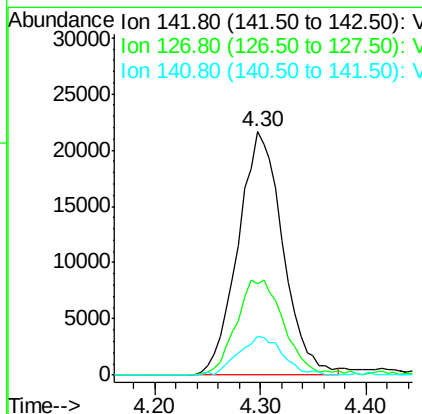
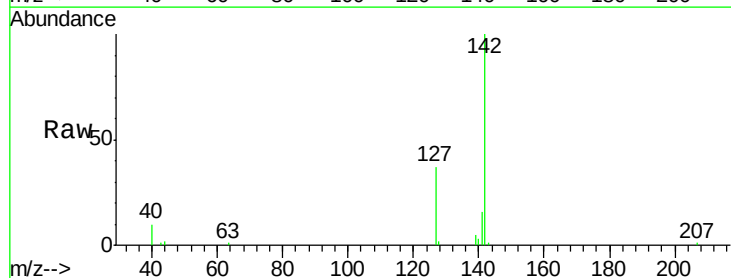
RT: 4.30 min Scan# 404

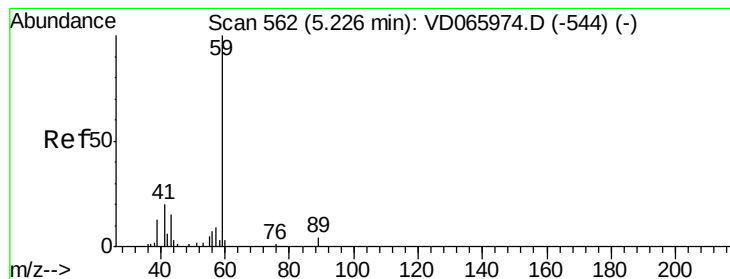
Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	142	Resp:	63801
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.9	49.3
141	15.6	11.8	17.6





#11

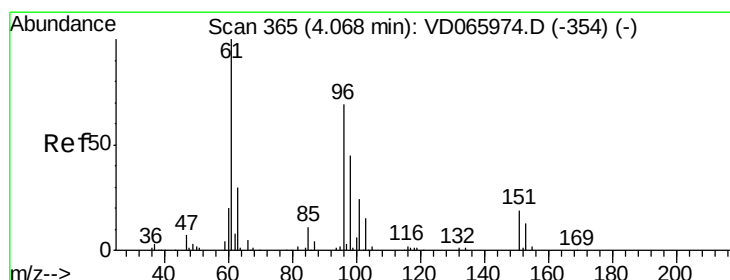
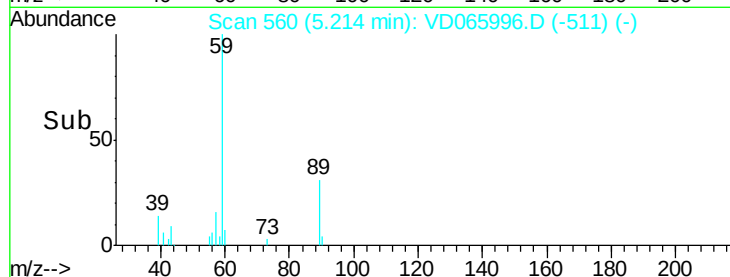
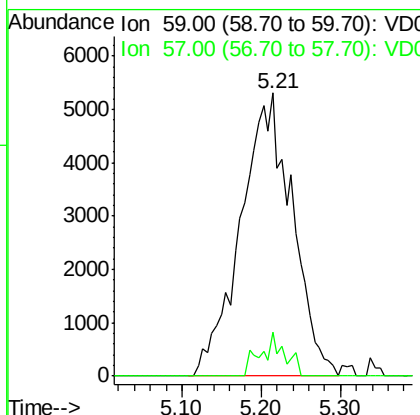
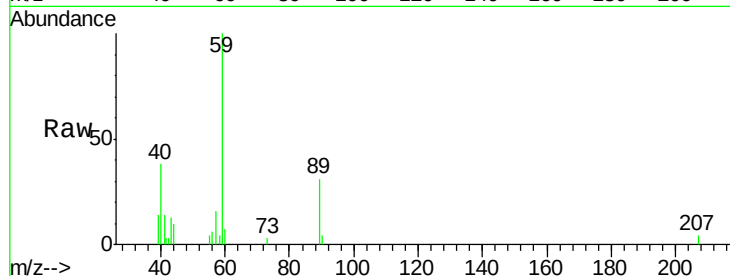
Tert butyl alcohol
Concen: 124.007 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	5.2		4.5	6.7

Manual Integrations
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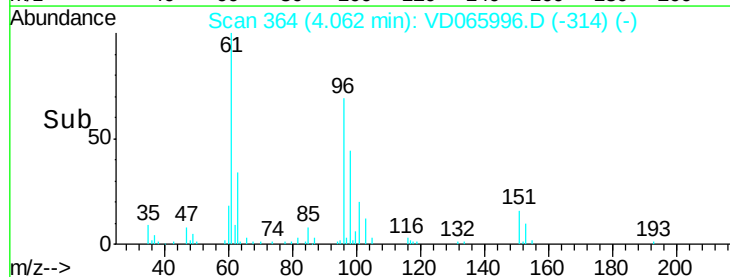
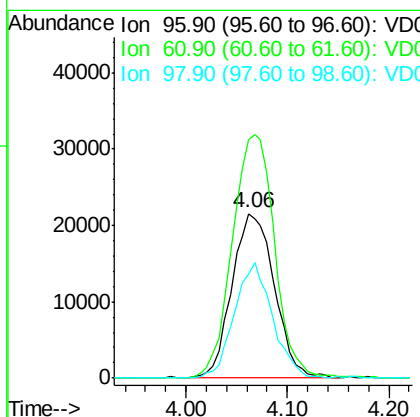
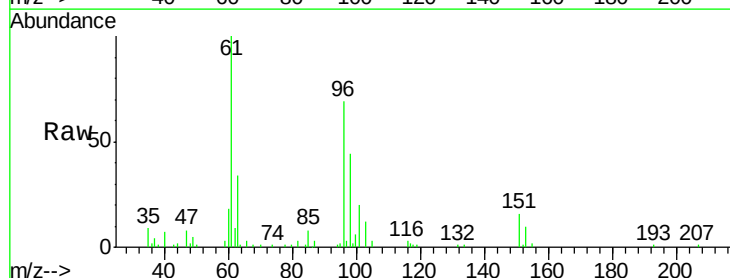
MMDadoda
7/23/2020 2:14:35 PM

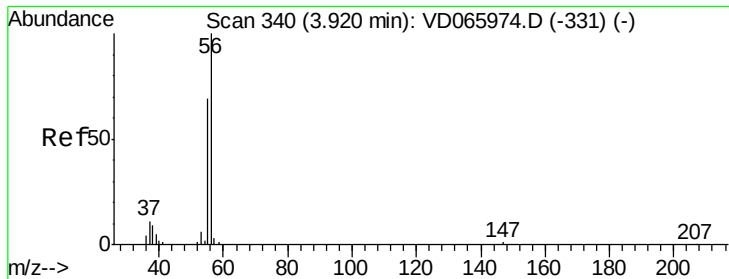


#12

1,1-Dichloroethene
Concen: 22.339 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	145.5		115.4	173.0
98	63.7		51.5	77.3





#13

Acrolein

Concen: 95.362 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 56 Resp: 22232

Ion Ratio Lower Upper

56 100

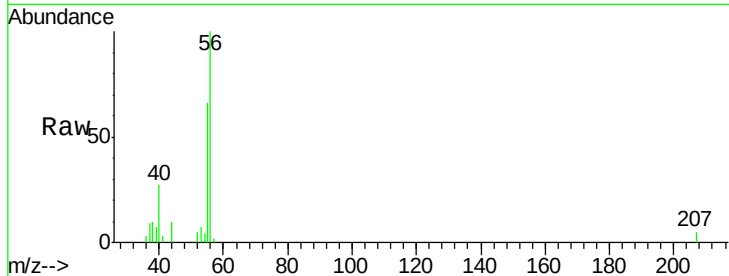
55 72.4 55.8 83.8

Manual Integrations

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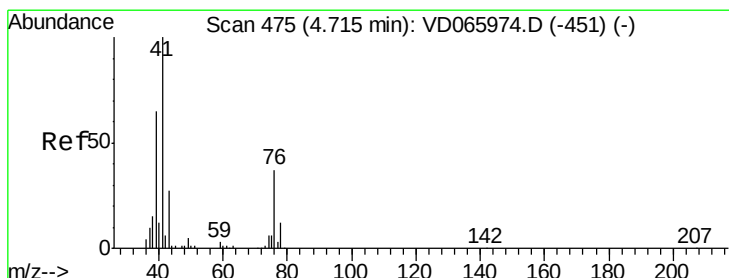
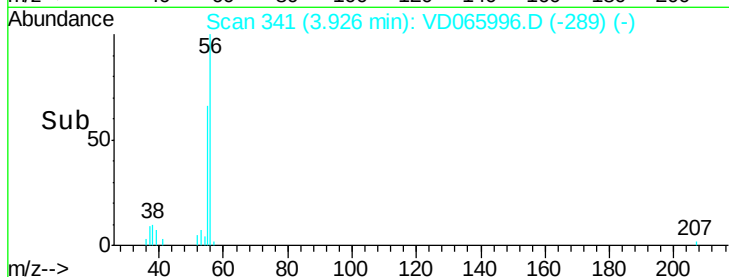
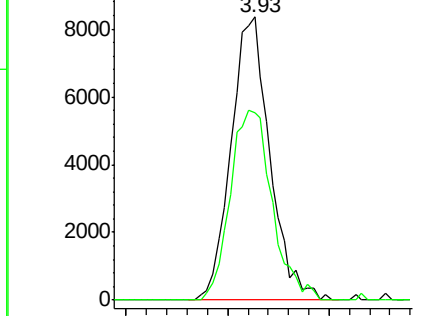
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.629 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

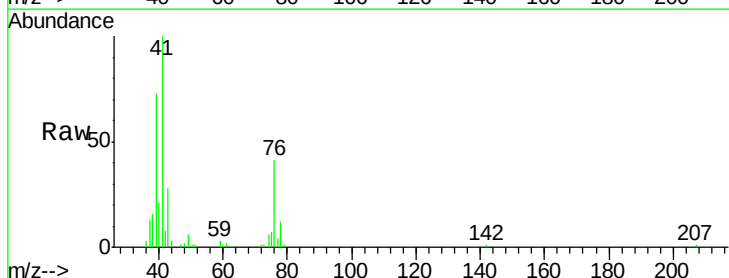
Tgt Ion: 41 Resp: 95065

Ion Ratio Lower Upper

41 100

39 70.4 53.4 80.2

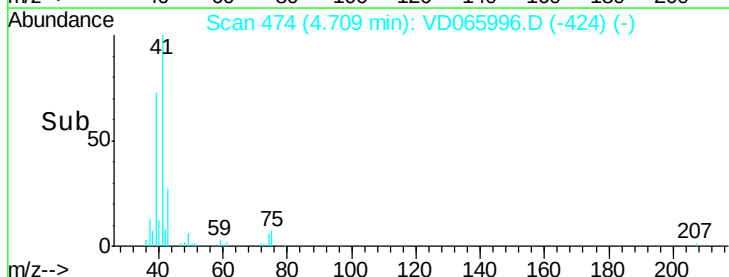
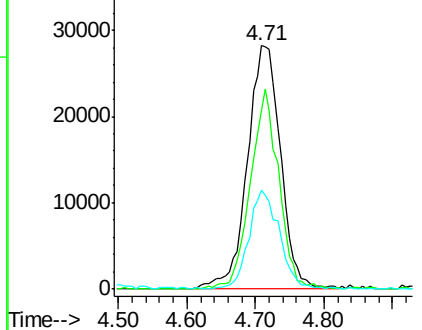
76 37.4 29.1 43.7

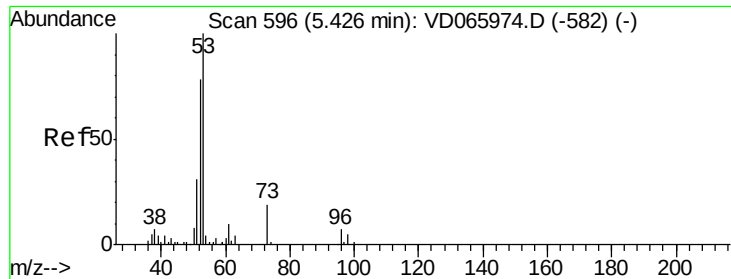


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.197 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

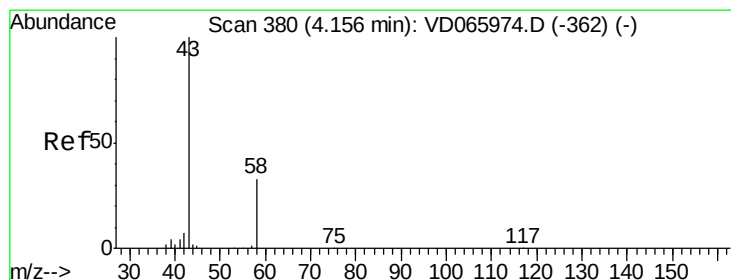
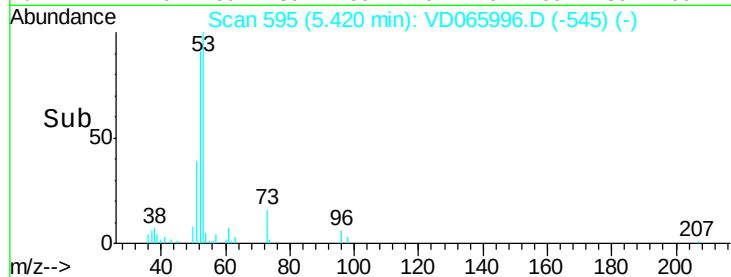
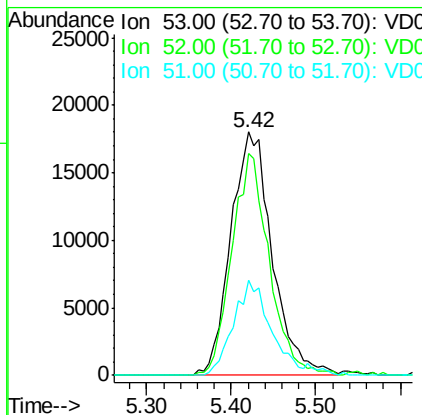
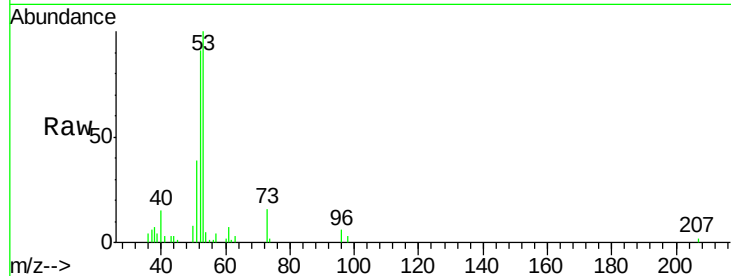
ClientSampleId :

VD0722SBS01

Tot Ion:	53	Resp:	61177
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.1	100.7
51	34.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 93.377 ug/l

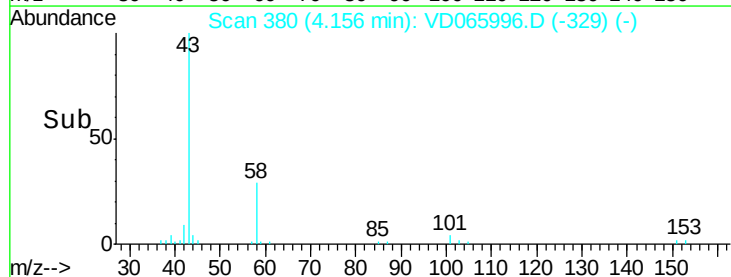
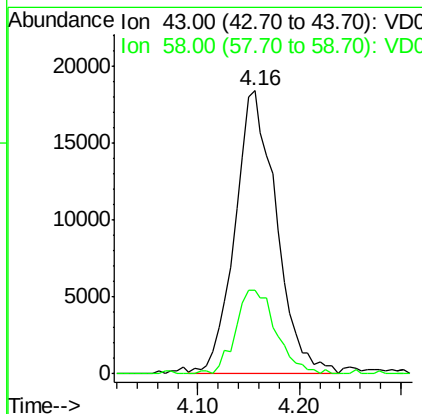
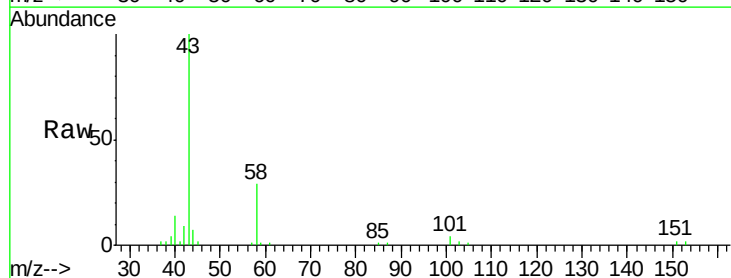
RT: 4.16 min Scan# 380

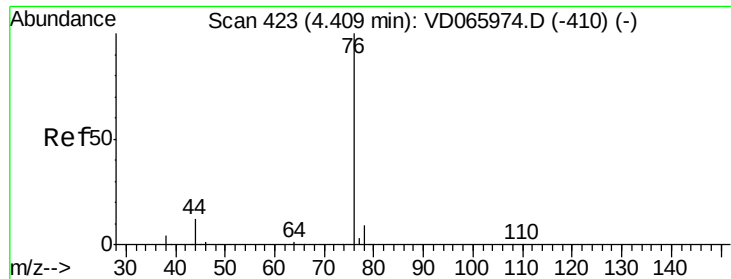
Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	43	Resp:	52300
Ion	Ratio	Lower	Upper
43	100		
58	29.4	26.3	39.5





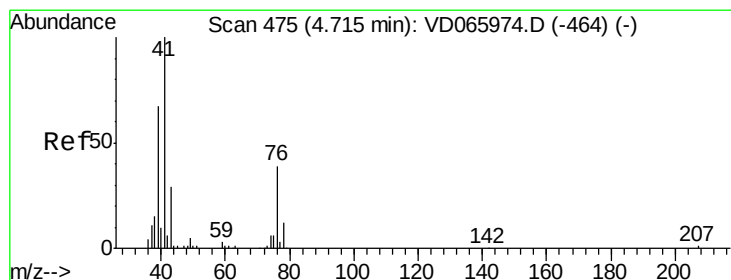
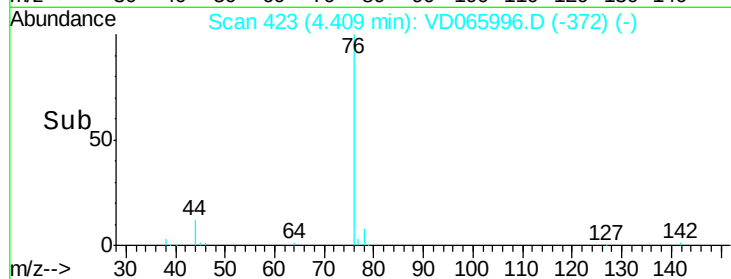
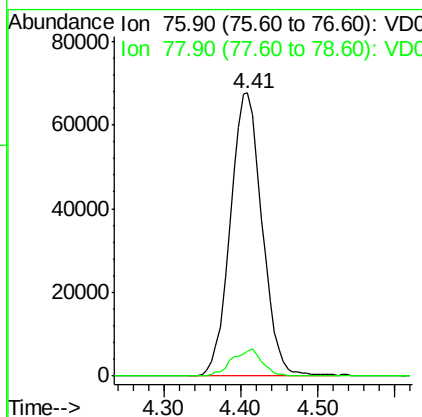
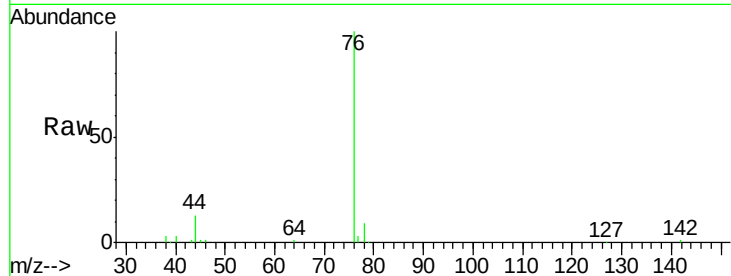
#17
Carbon Disulfide
Concen: 21.451 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

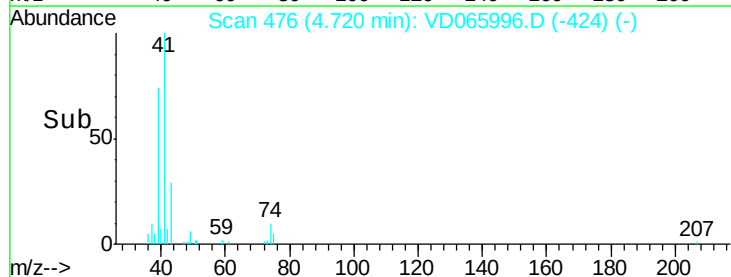
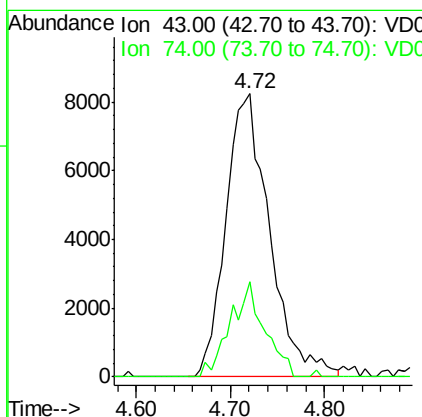
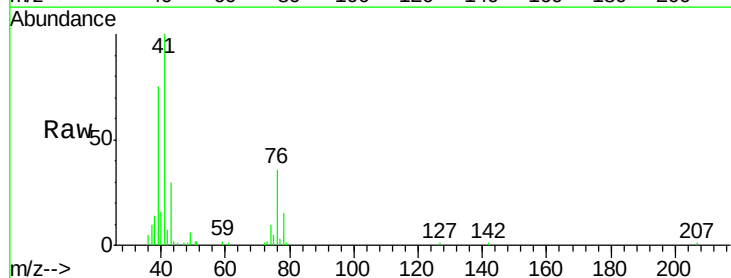
Manual Integrations
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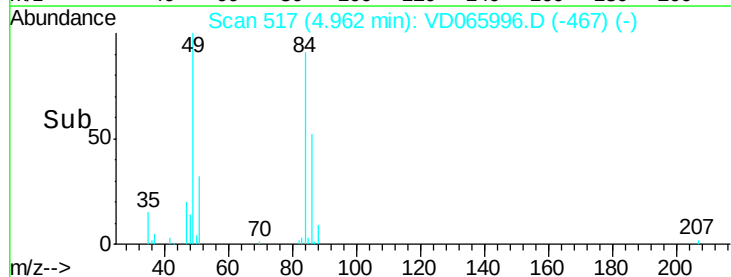
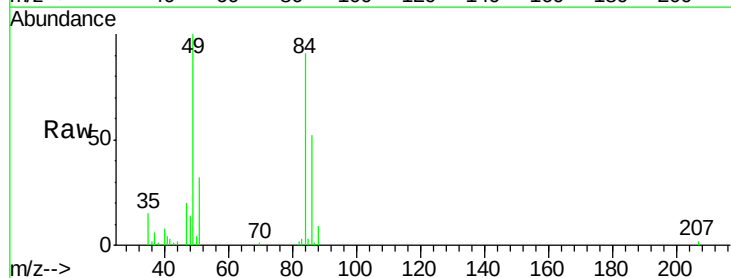
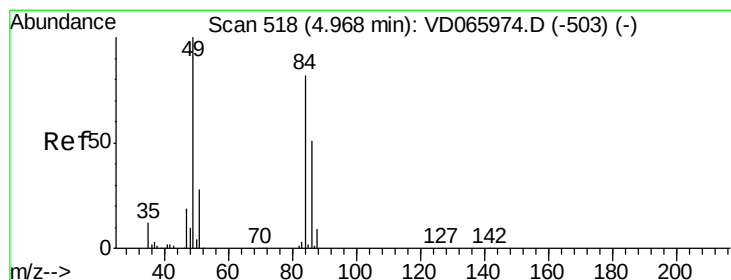
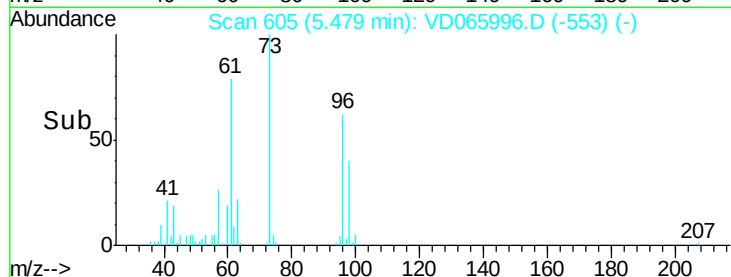
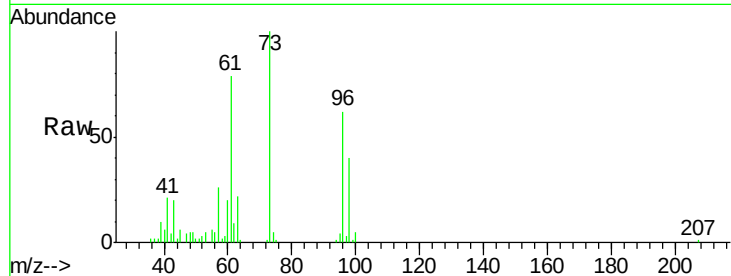
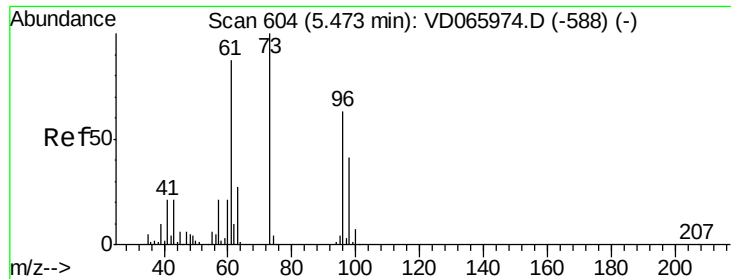
MMDadoda
7/23/2020 2:14:35 PM



#18
Methyl Acetate
Concen: 20.407 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	19.2	28.8





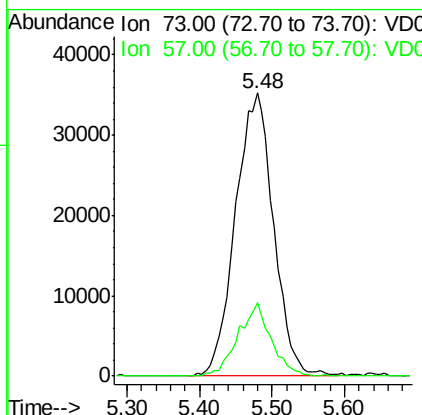
#19
Methyl tert-butyl Ether
Concen: 22.282 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tot Ion: 73 Resp: 128720
Ion Ratio Lower Upper
73 100
57 25.8 17.0 25.4#

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

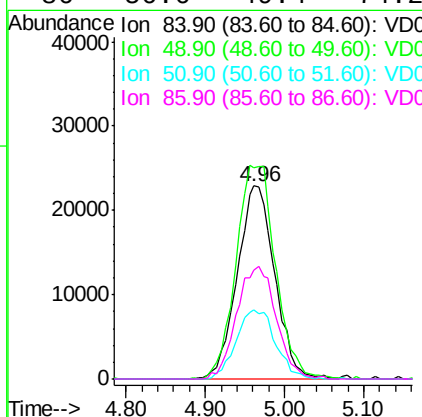
Manual Integrations
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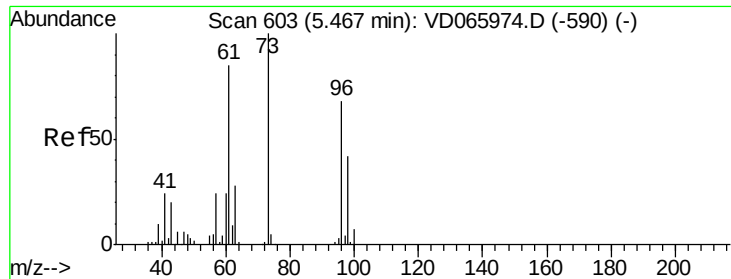
MMDadoda
7/23/2020 2:14:35 PM



#20
Methylene Chloride
Concen: 22.774 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 84 Resp: 75531
Ion Ratio Lower Upper
84 100
49 109.9 97.7 146.5
51 35.7 27.4 41.2
86 56.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.988 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

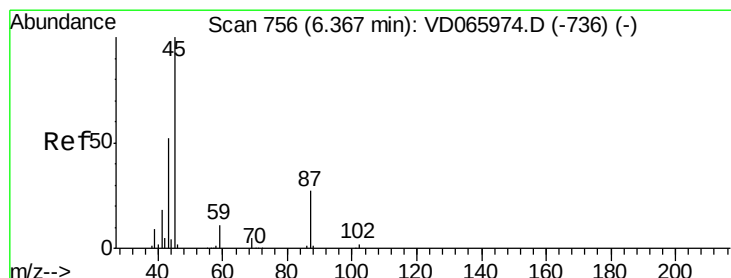
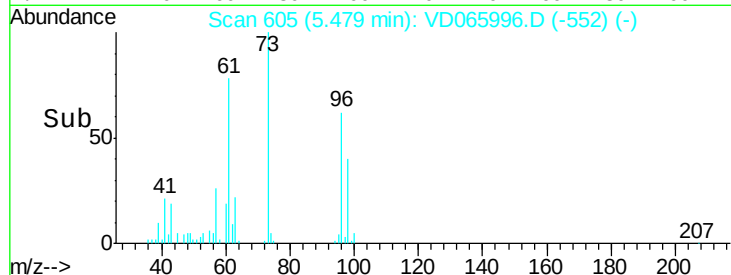
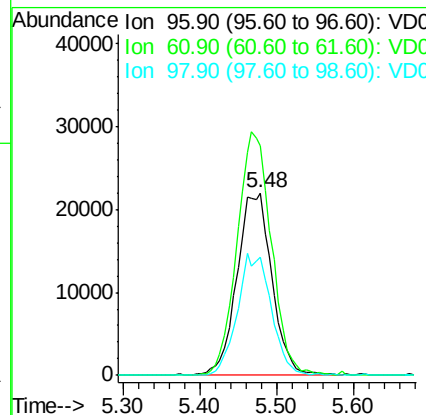
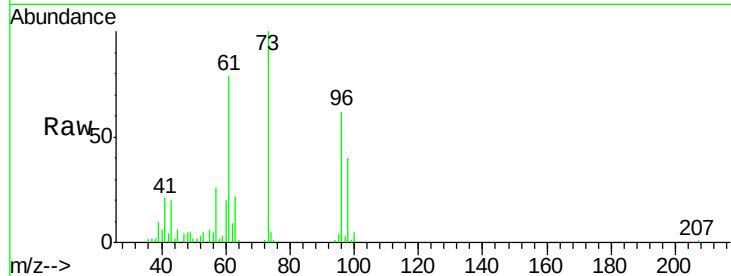
ClientSampleId :

VD0722SBS01

Tot Ion:	96	Resp:	69872
Ion	Ratio	Lower	Upper
96	100		
61	126.0	100.5	150.7
98	64.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.752 ug/l

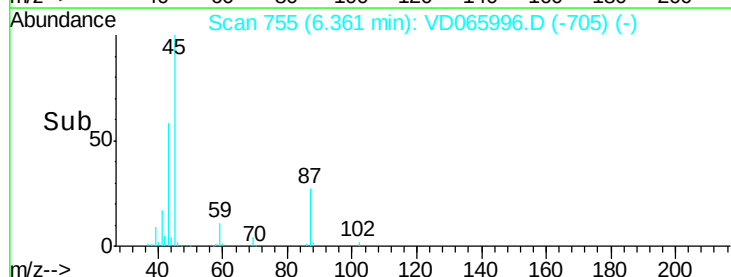
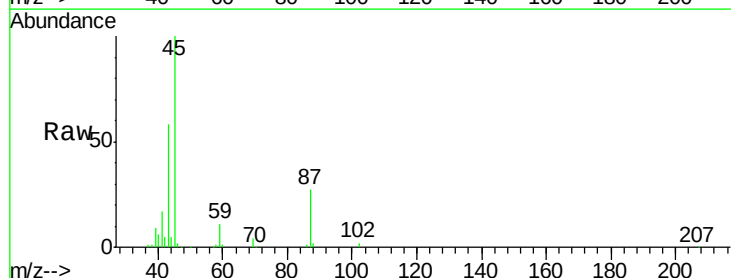
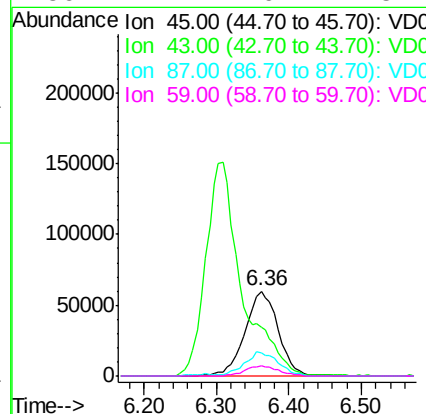
RT: 6.36 min Scan# 755

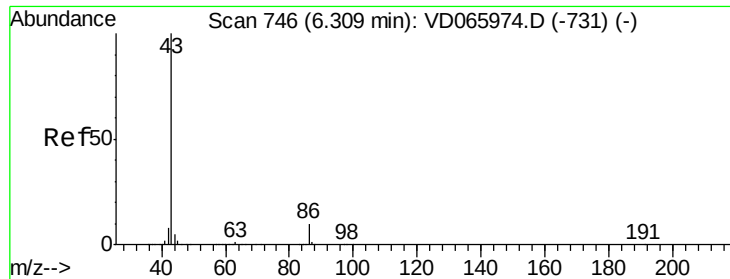
Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	45	Resp:	189979
Ion	Ratio	Lower	Upper
45	100		
43	56.7	43.0	64.4
87	26.7	22.0	33.0
59	11.4	9.1	13.7





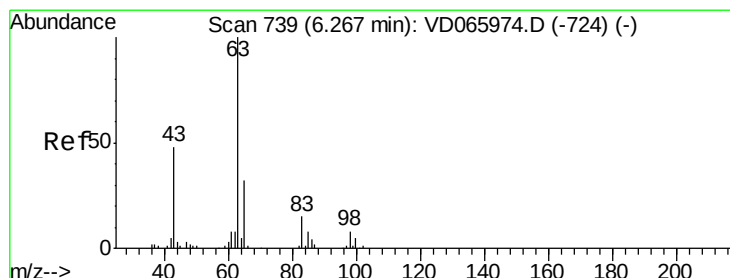
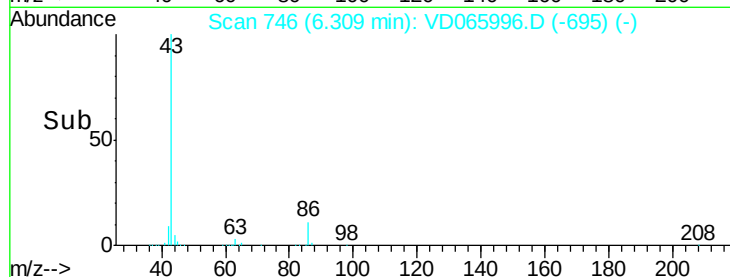
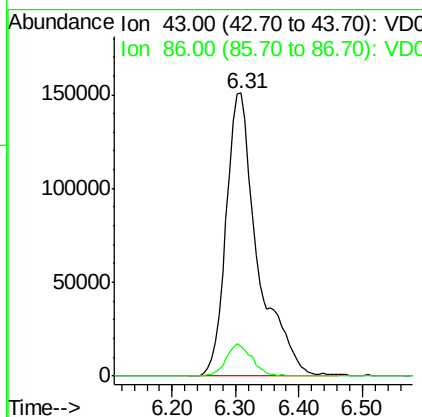
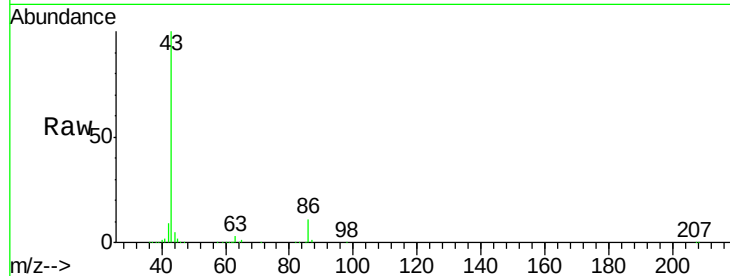
#23
 Vinyl Acetate
 Concen: 110.688 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.9	11.9

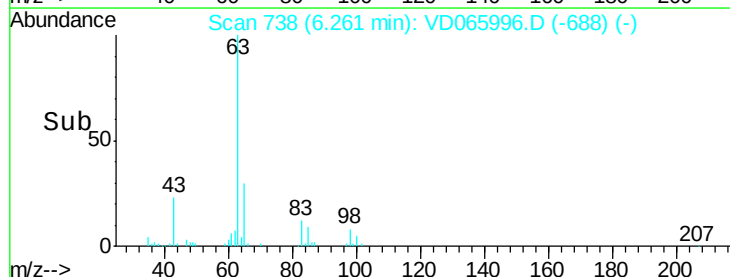
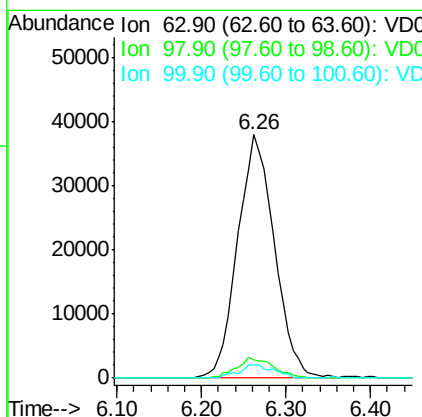
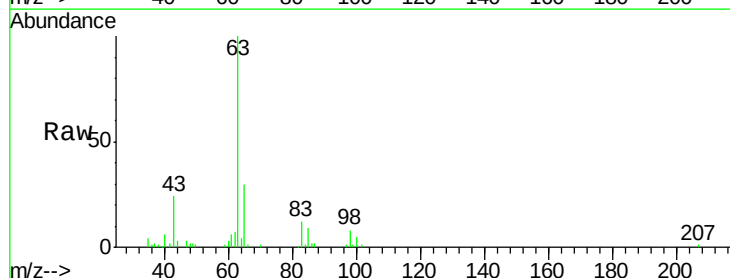
Manual Integrations
 APPROVED

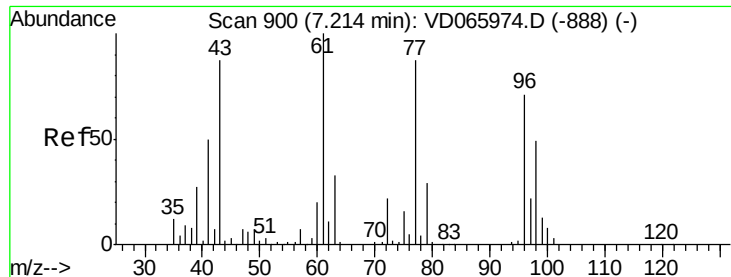
MMDadoda
 7/23/2020 2:14:35 PM



#24
 1,1-Dichloroethane
 Concen: 22.719 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.3	12.8
100	5.5	2.5	7.5





#25

2-Butanone

Concen: 98.755 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 43 Resp: 73395

Ion Ratio Lower Upper

43 100

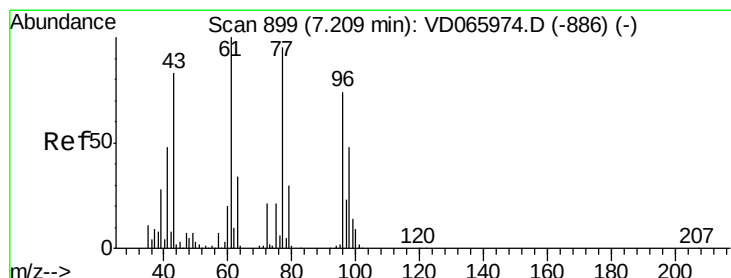
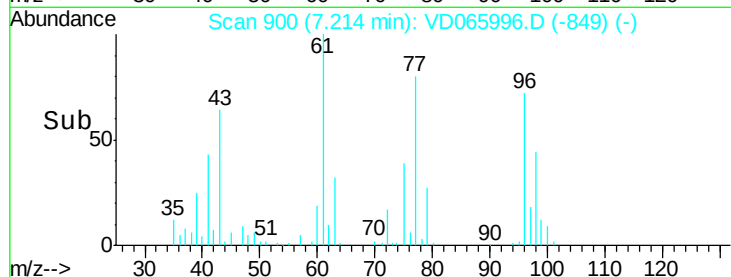
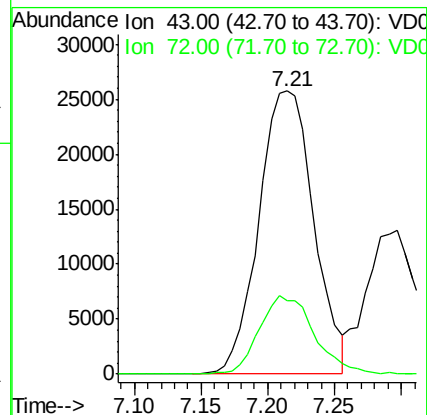
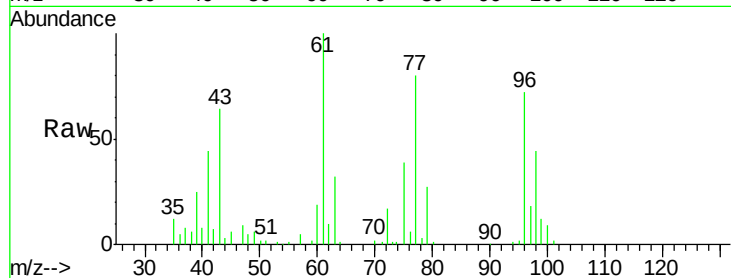
72 26.0 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

7/23/2020 2:14:35 PM



#26

2,2-Dichloropropane

Concen: 22.009 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065996.D

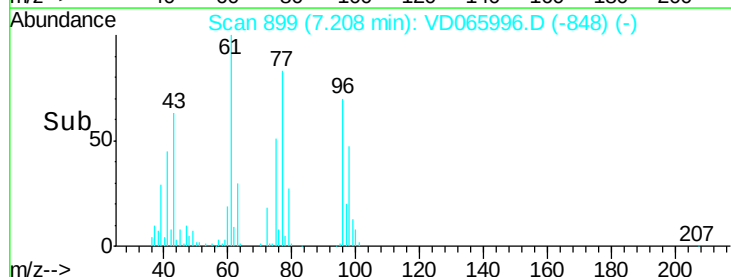
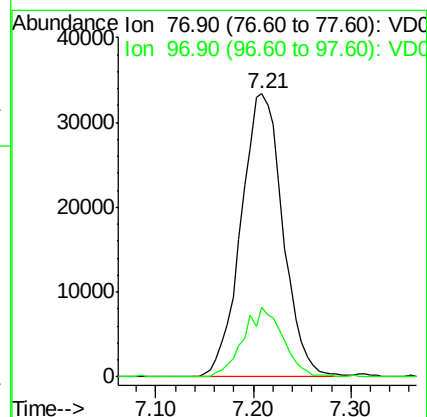
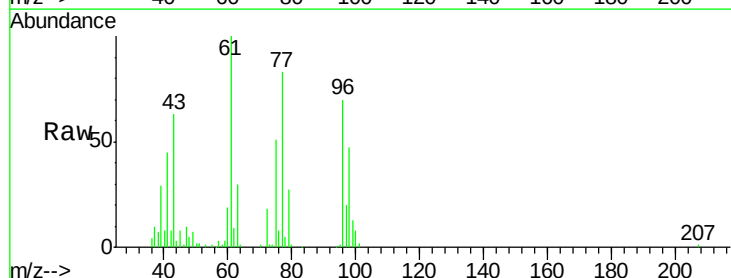
Acq: 22 Jul 2020 12:43

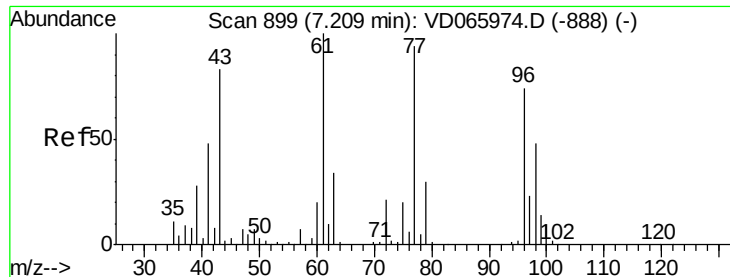
Tgt Ion: 77 Resp: 100136

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

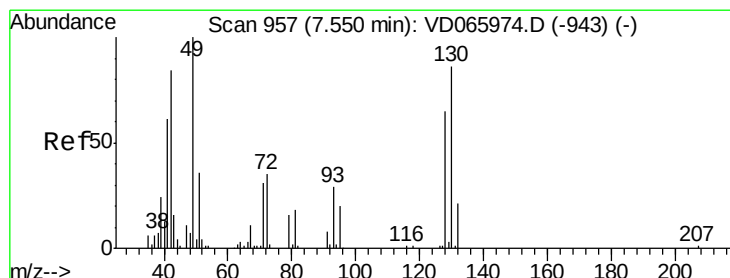
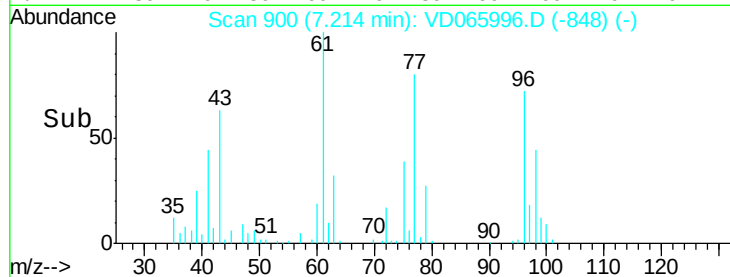
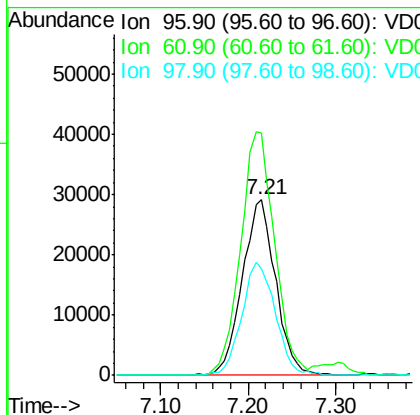
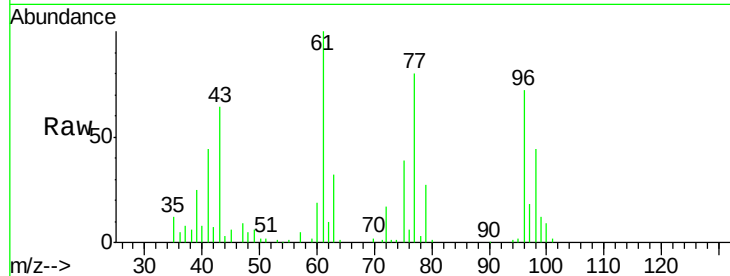
cis-1,2-Dichloroethene
Concen: 22.336 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	276.6
98	64.4	0.0	130.8

Manual Integrations
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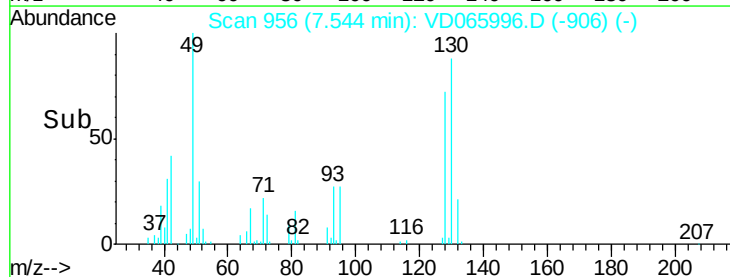
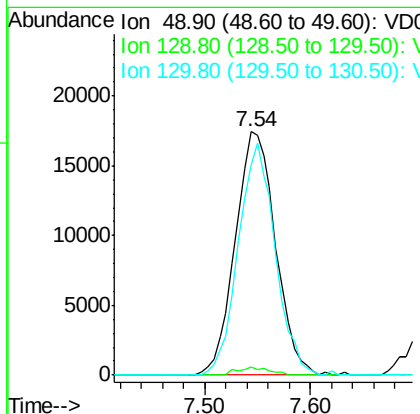
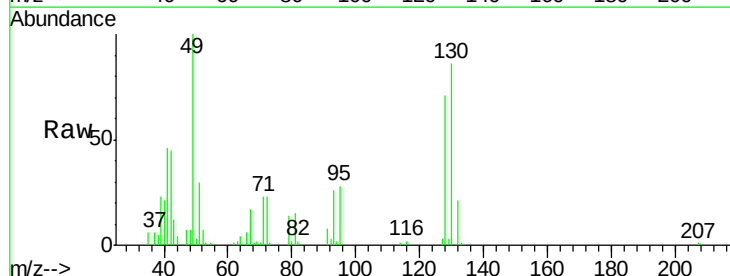
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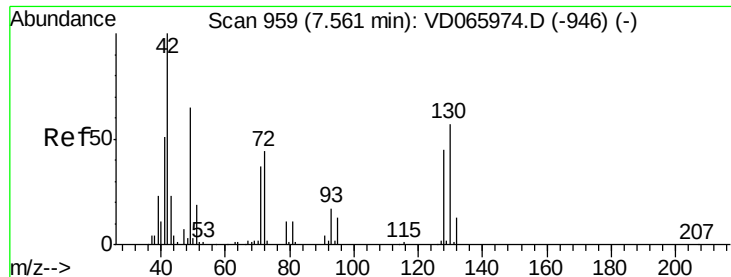


#28

Bromochloromethane
Concen: 21.434 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	87.3	68.4	102.6





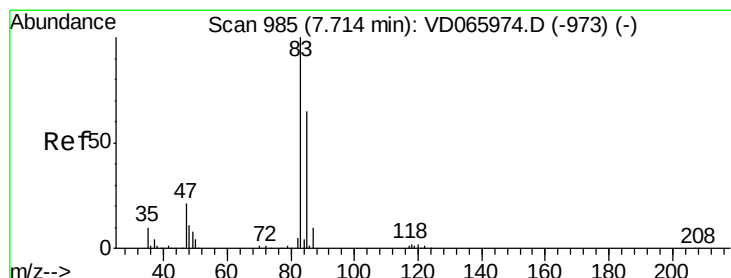
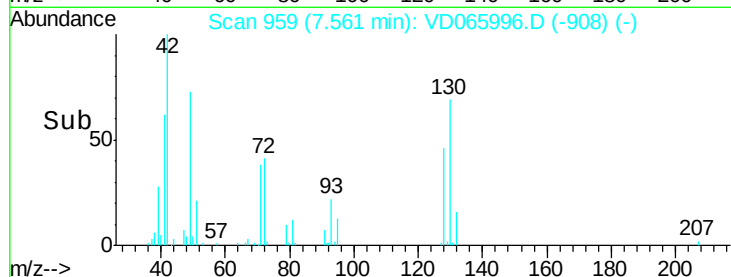
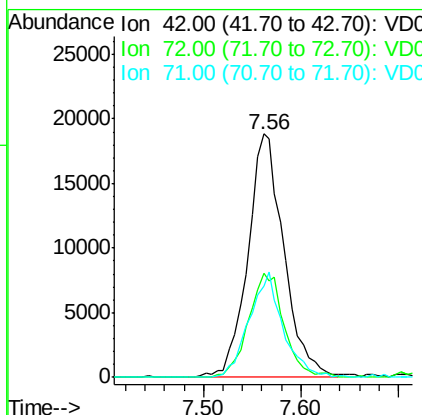
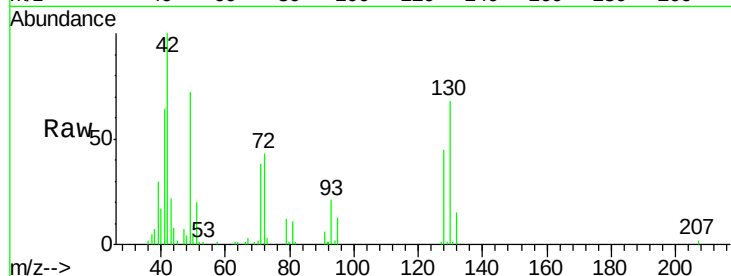
#29
Tetrahydrofuran
Concen: 106.662 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.2	51.2
71	40.5	31.4	47.2

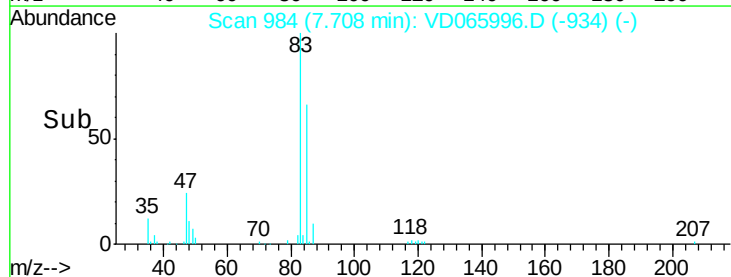
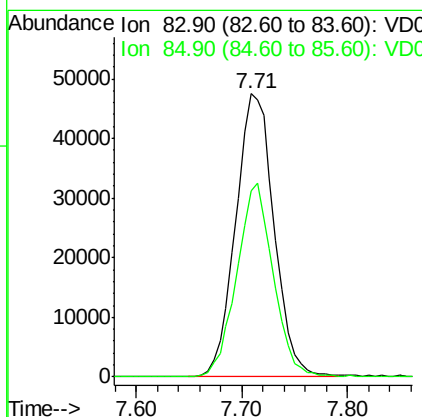
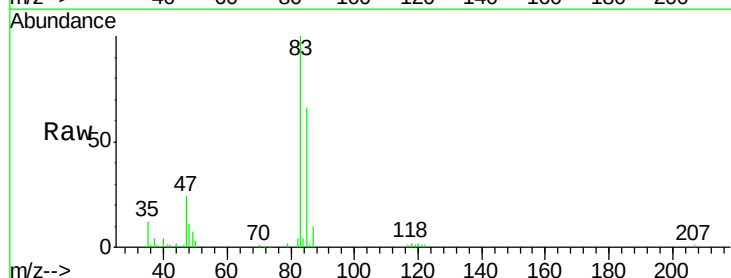
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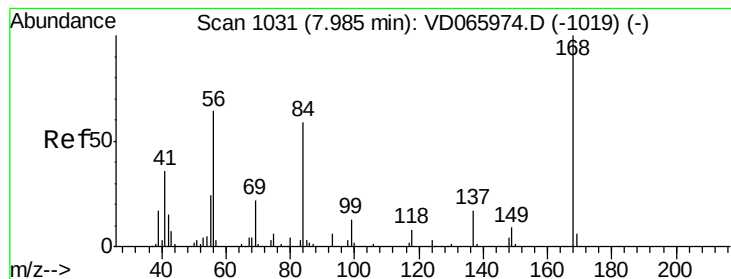
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#30
Chloroform
Concen: 22.617 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.1	78.1





#31

Cyclohexane

Concen: 21.332 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 56 Resp: 106179

Ion Ratio Lower Upper

56 100

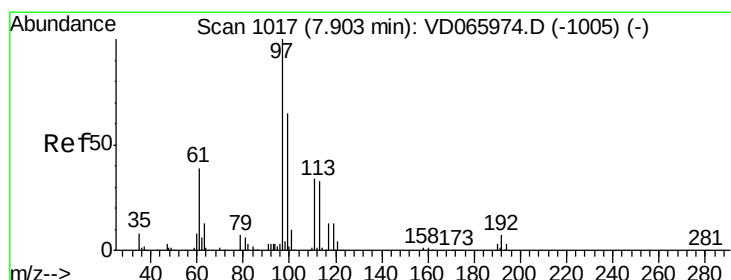
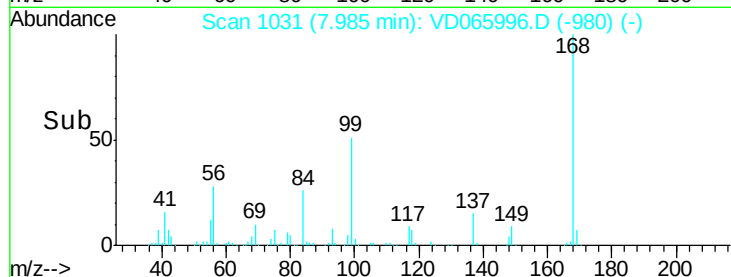
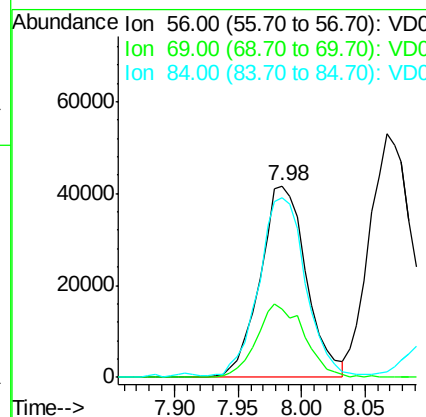
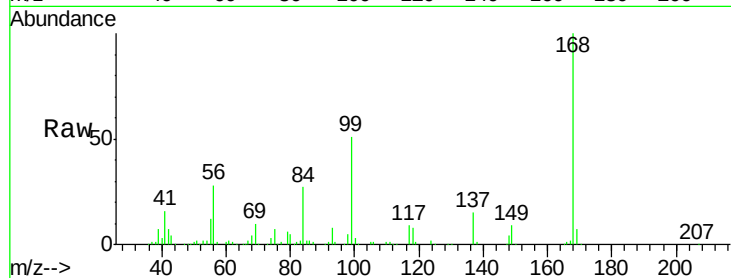
69 35.3 28.0 42.0

84 92.6 72.6 109.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.743 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

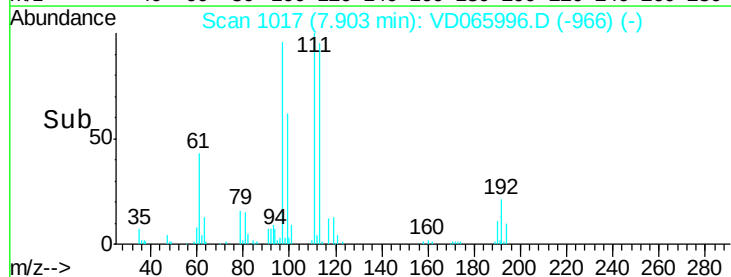
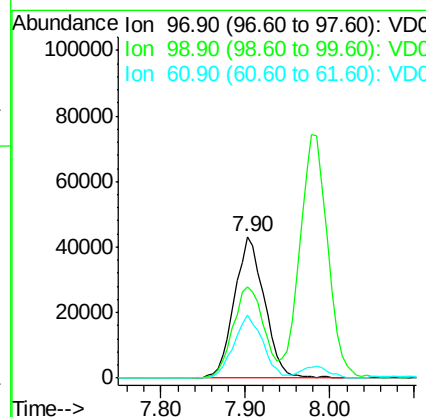
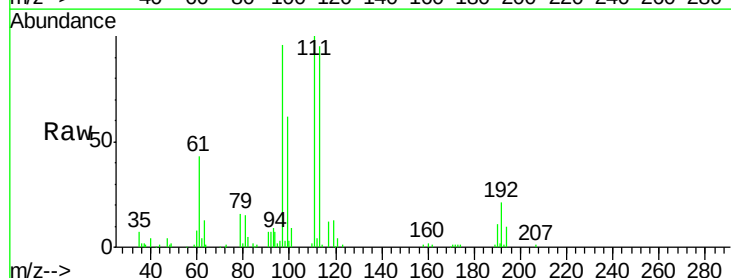
Tgt Ion: 97 Resp: 106440

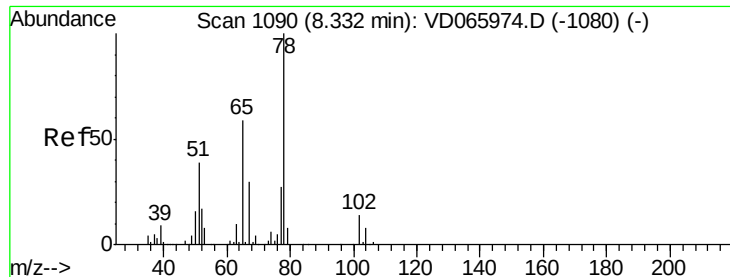
Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 42.8 33.3 49.9





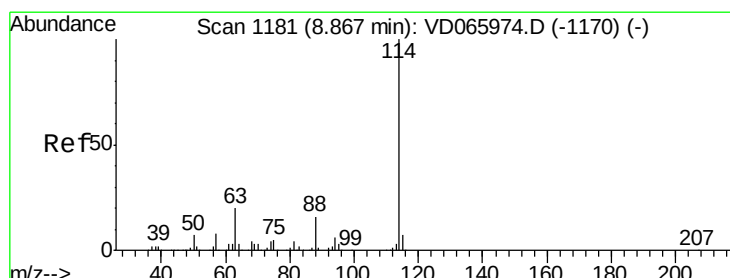
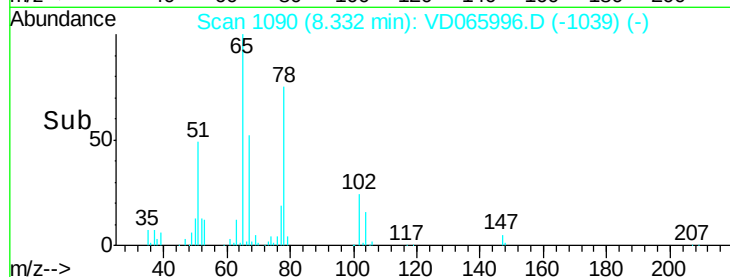
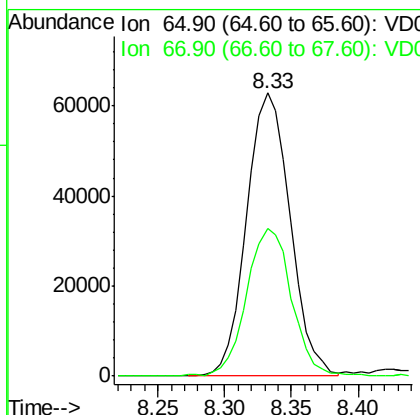
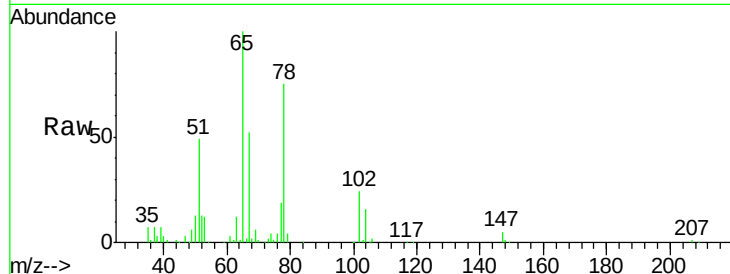
#33
 1,2-Dichloroethane-d4
 Concen: 51.374 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142156		
67	53.8	0.0	105.0	

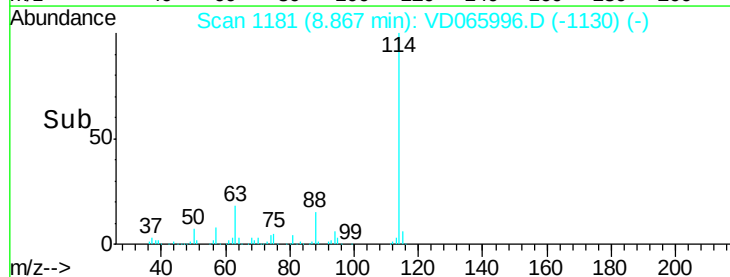
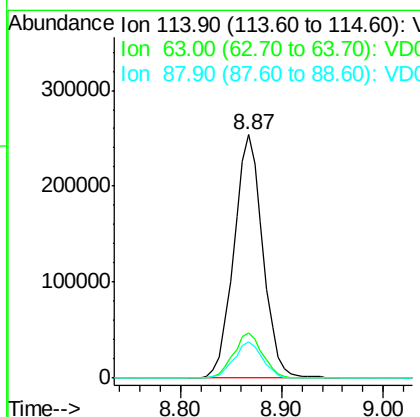
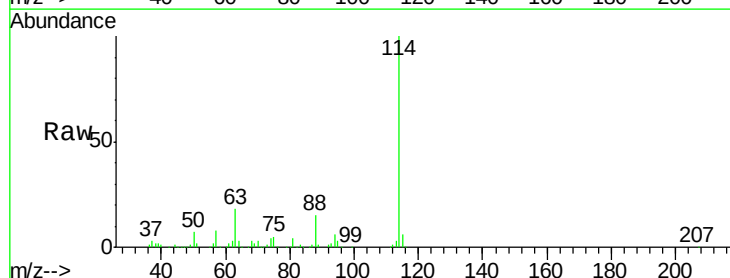
Manual Integrations
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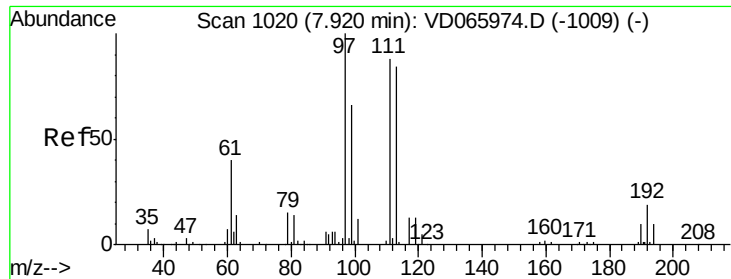
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	500801		
63	18.4	0.0	39.6	
88	15.0	0.0	31.2	





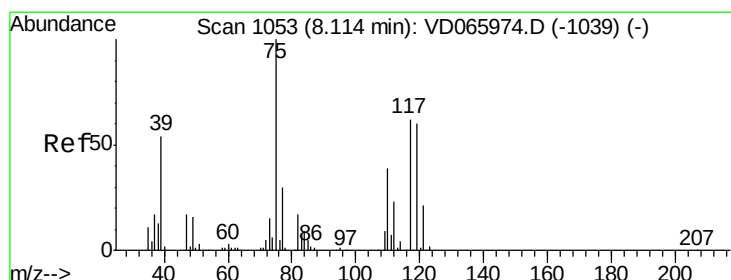
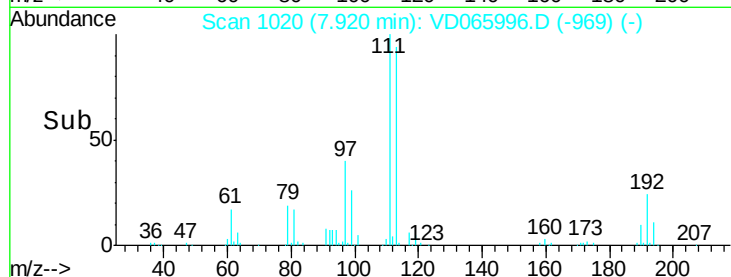
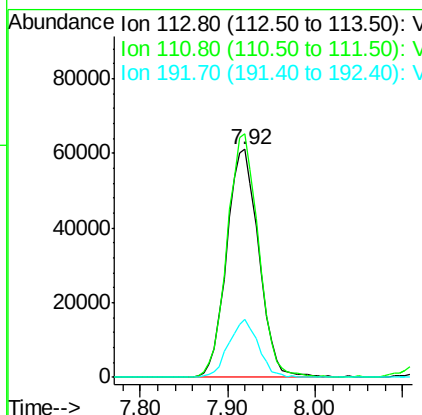
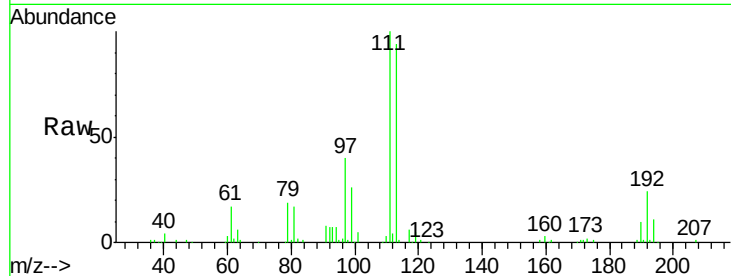
#35
 Dibromofluoromethane
 Concen: 50.222 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152550		
111	104.2	83.2	124.8	
192	23.6	18.7	28.1	

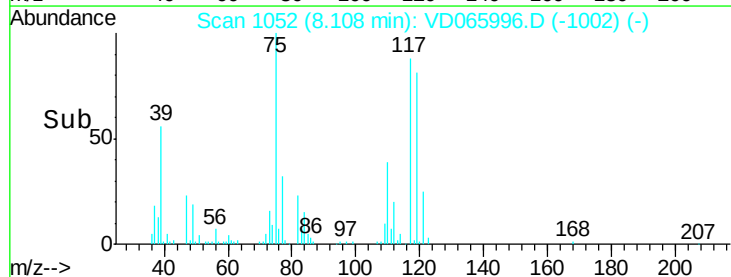
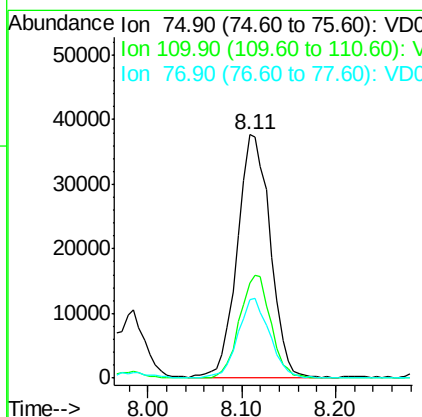
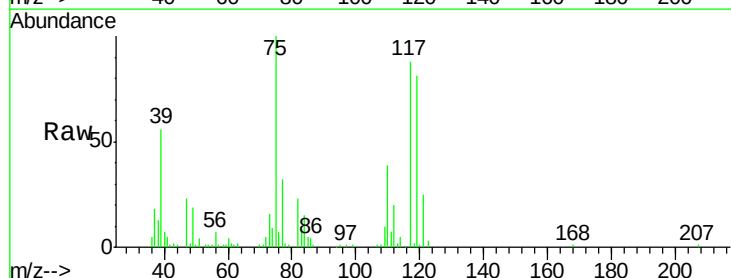
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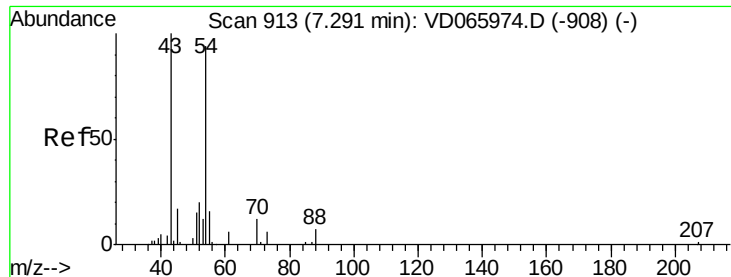
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.553 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92121		
110	39.7	19.5	58.5	
77	31.3	24.7	37.1	





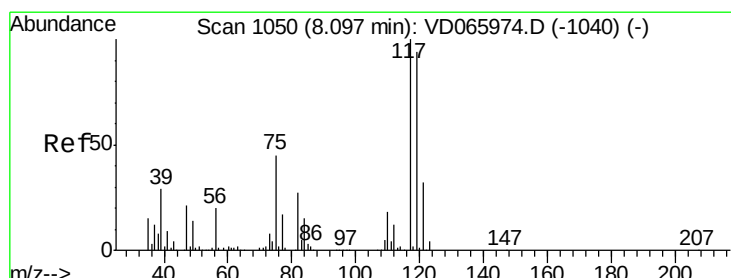
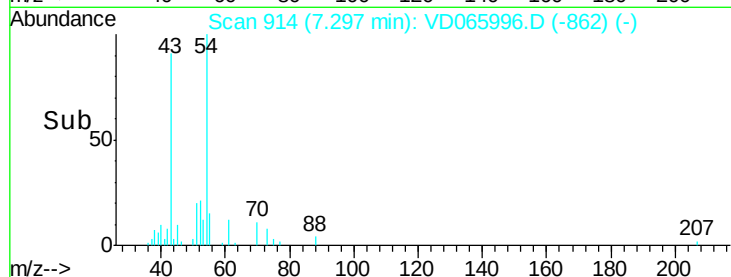
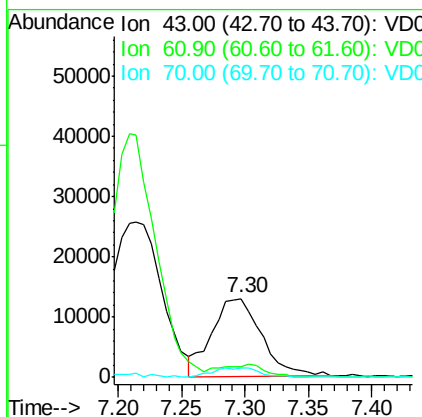
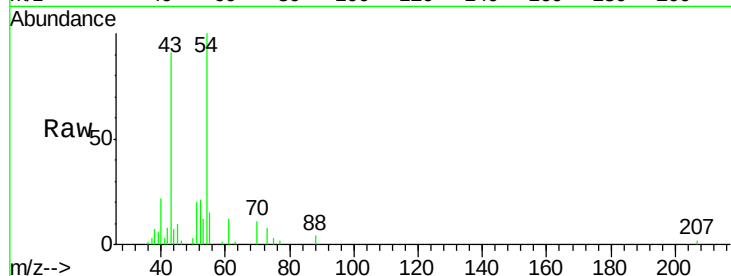
#37
Ethyl Acetate
Concen: 21.396 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	11.5	9.3	13.9

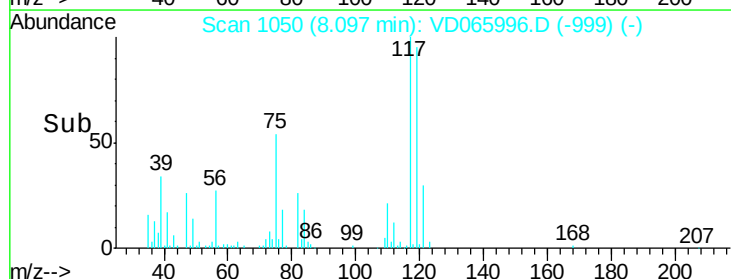
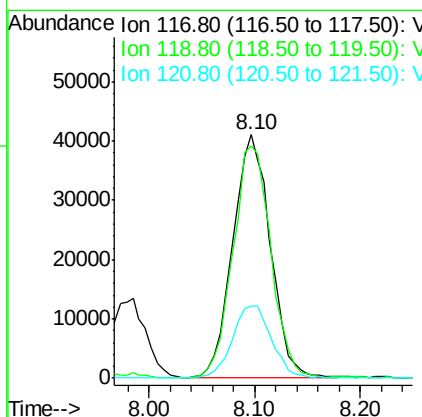
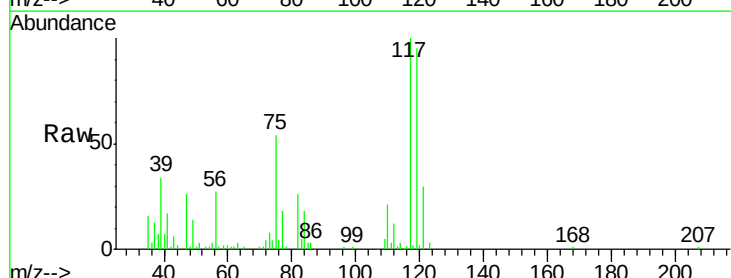
Manual Integrations
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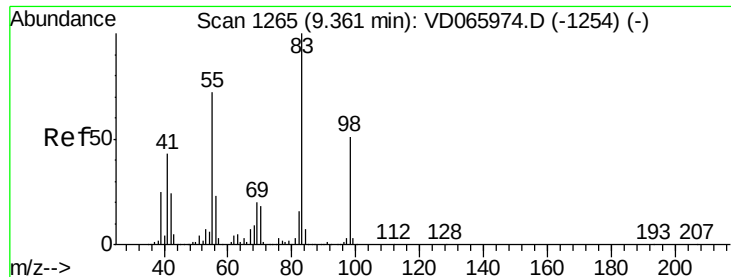
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#38
Carbon Tetrachloride
Concen: 21.933 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.0	112.6
121	29.6	25.5	38.3





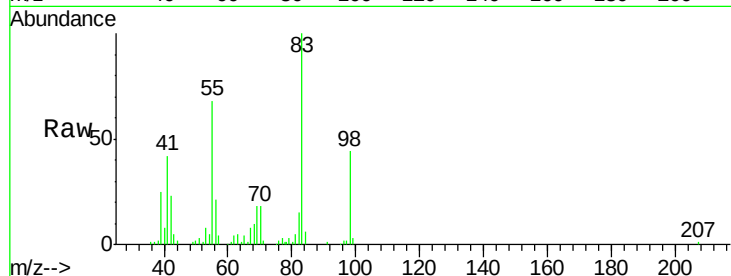
#39
Methylvlcyclohexane
Concen: 22.212 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

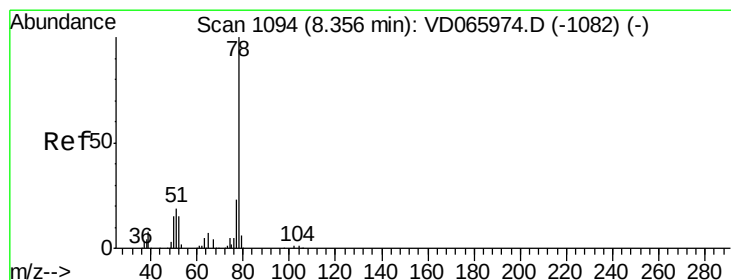
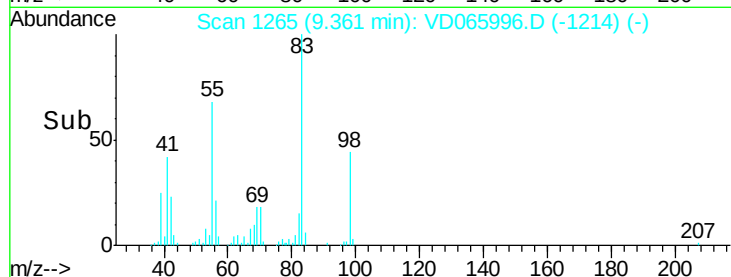
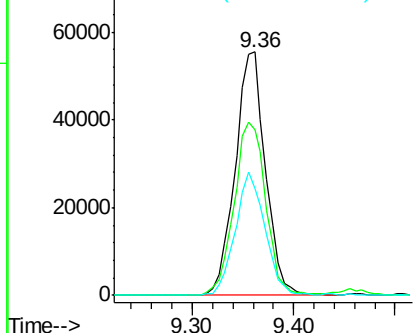
Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.3	85.9
98	43.6	41.0	61.6

Manual Integrations
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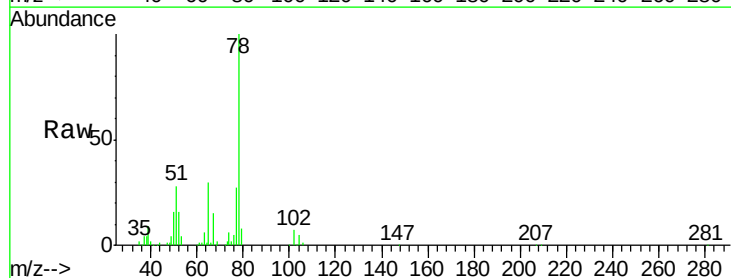


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

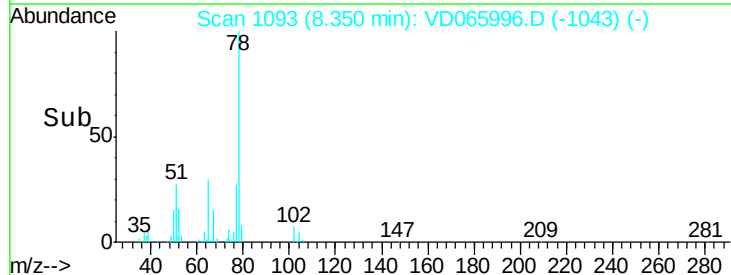
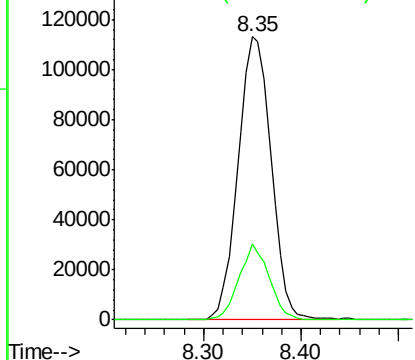


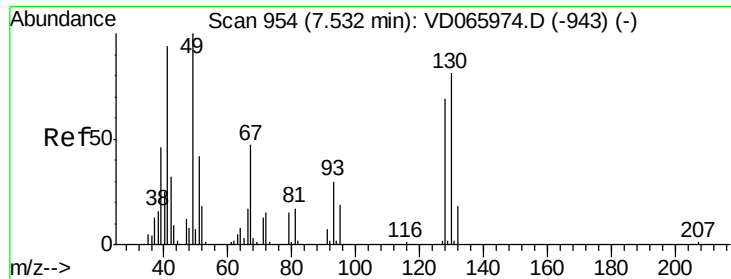
#40
Benzene
Concen: 22.339 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.9	18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





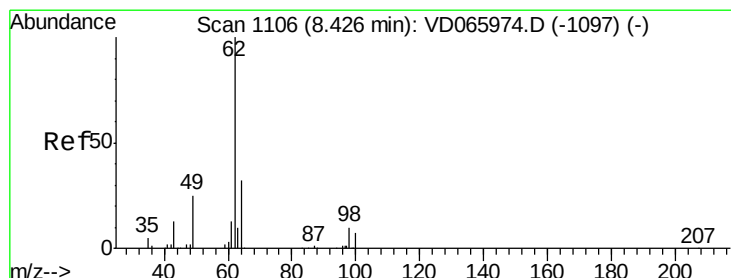
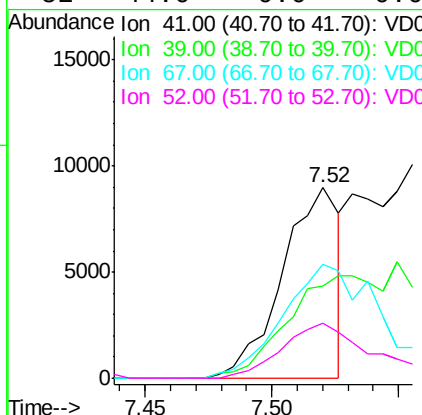
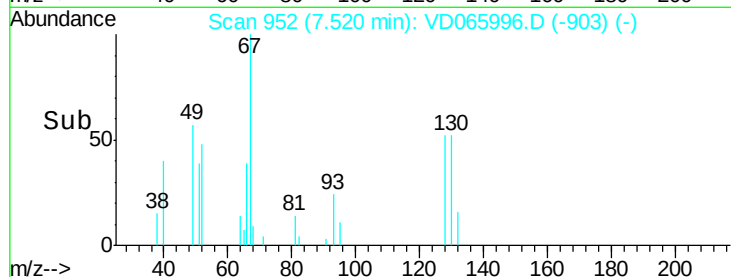
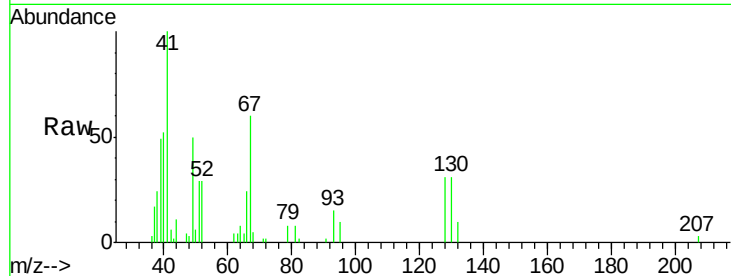
#41
Methacrylonitrile
Concen: 15.160 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	41	Resp	14176
Ion	Ratio	Lower	Upper
41	100		
39	86.2	0.0	0.0#
67	99.6	0.0	0.0#
52	44.0	0.0	0.0#

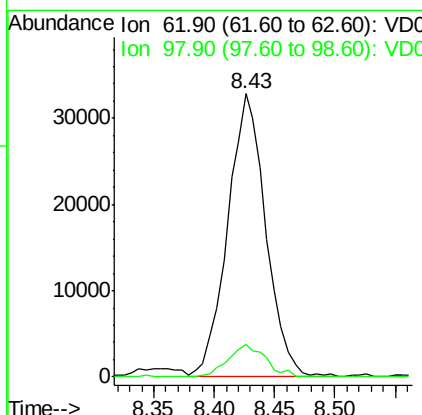
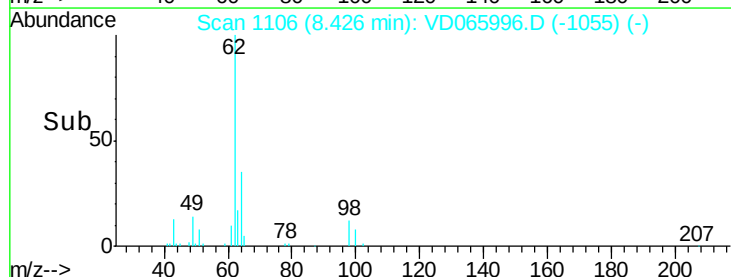
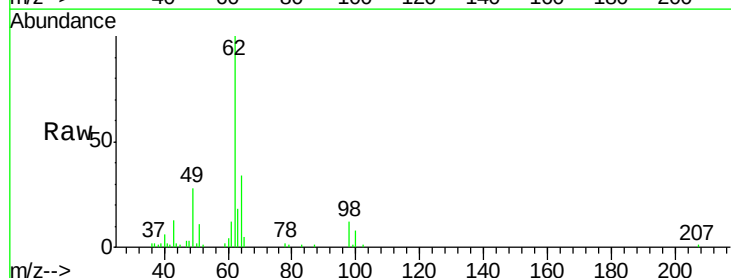
Manual Integrations
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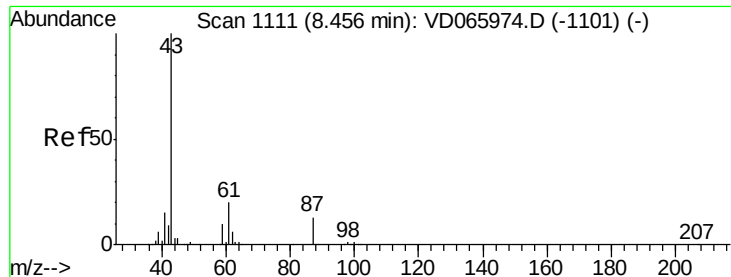
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.963 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	62	Resp	71964
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 22.023 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

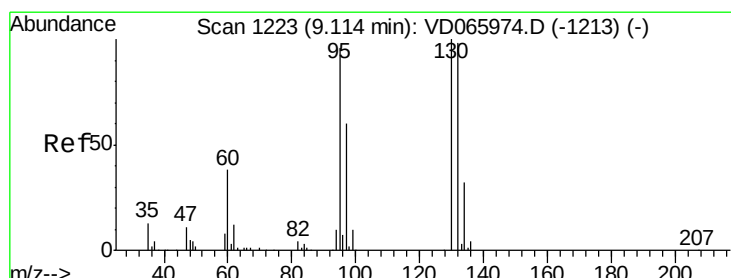
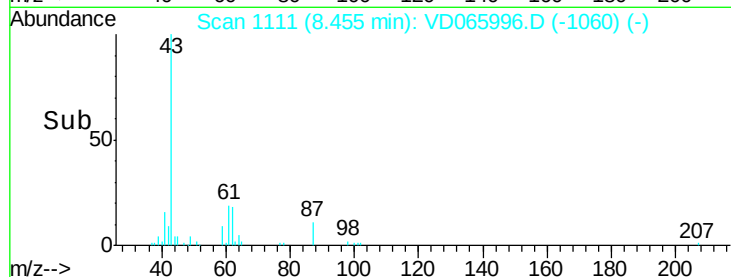
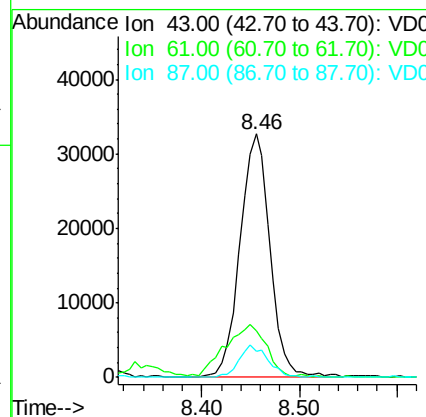
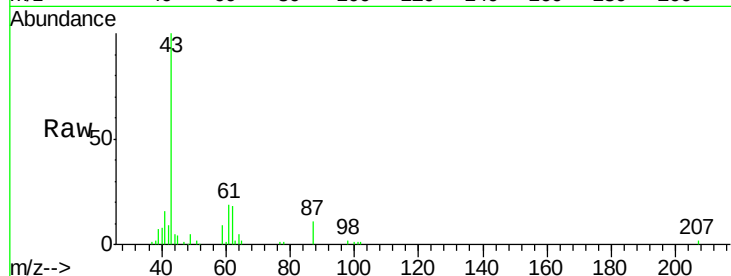
ClientSampleId :

VD0722SBS01

Tot Ion:	43	Resp:	70210
Ion	Ratio	Lower	Upper
43	100		
61	28.6	25.8	38.8
87	12.6	10.9	16.3

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 21.537 ug/l

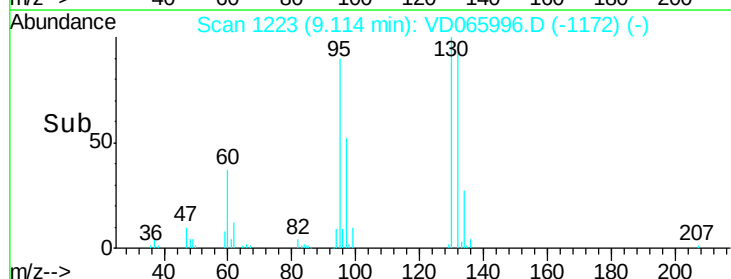
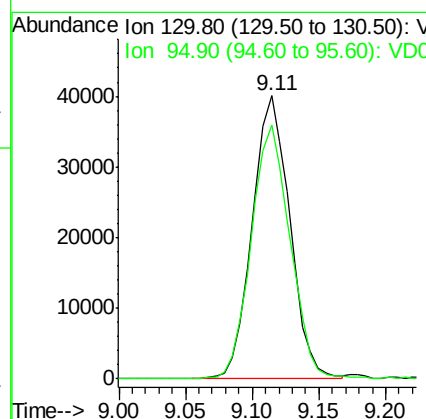
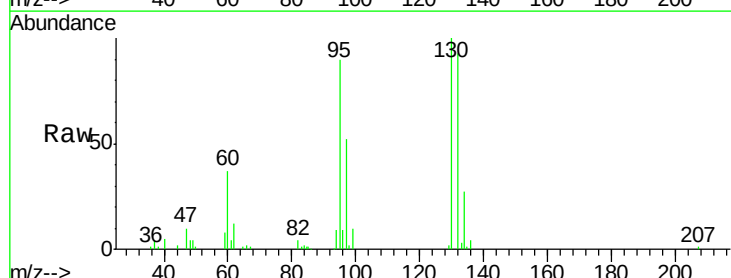
RT: 9.11 min Scan# 1223

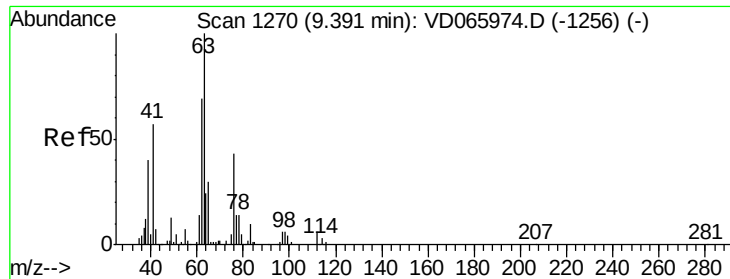
Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	130	Resp:	77931
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	191.6





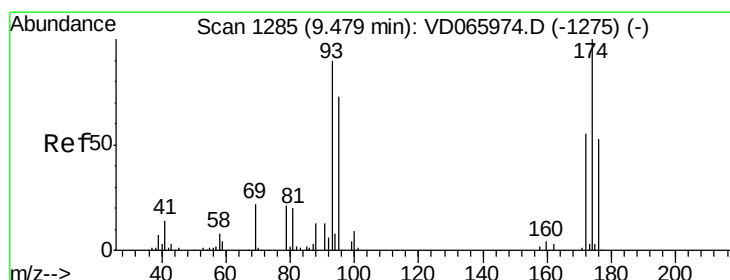
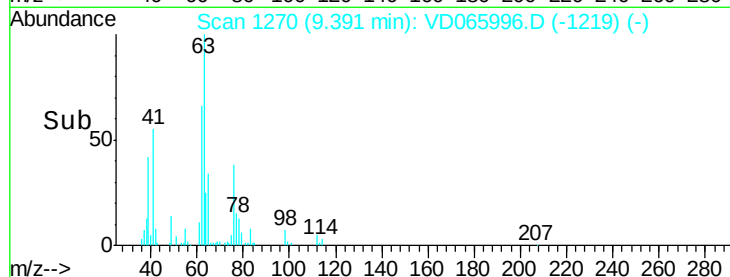
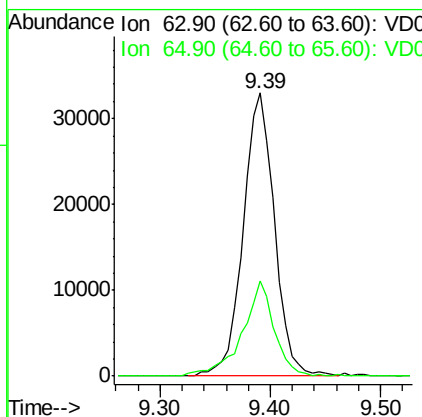
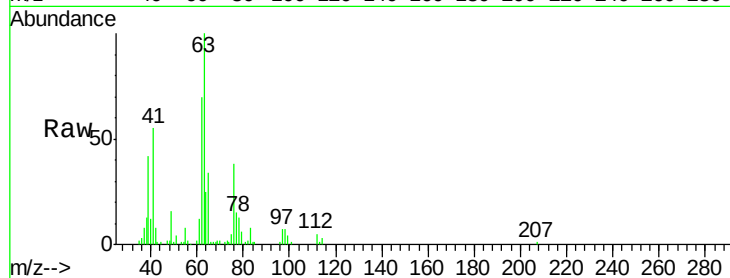
#45
 1,2-Dichloropropane
 Concen: 22.668 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.0	36.0

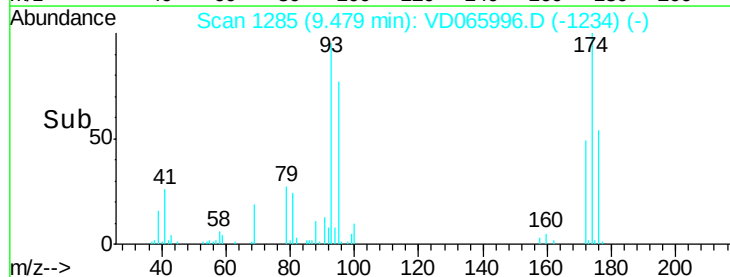
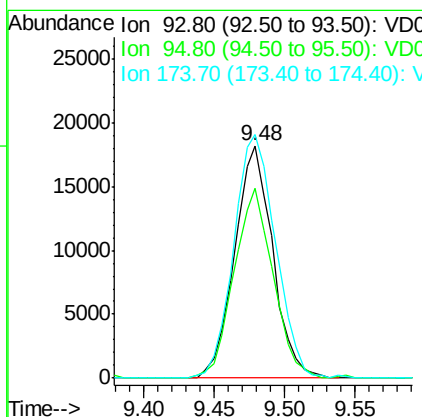
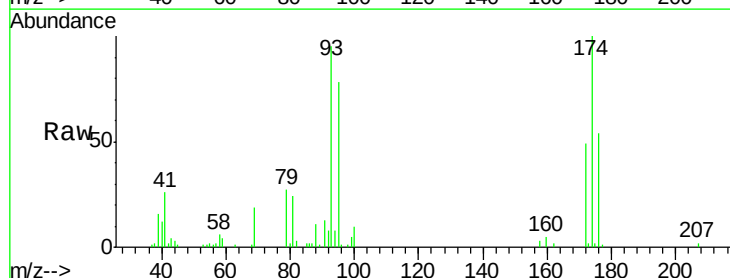
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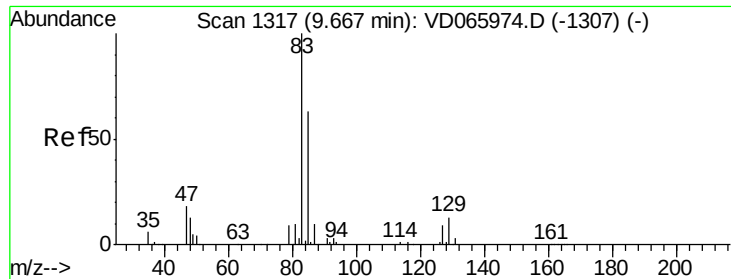
MMDadoda
 7/23/2020 2:14:35 PM



#46
 Dibromomethane
 Concen: 21.976 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.2	99.4
174	115.1	91.5	137.3





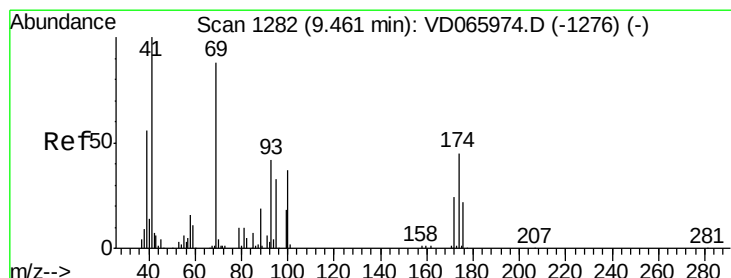
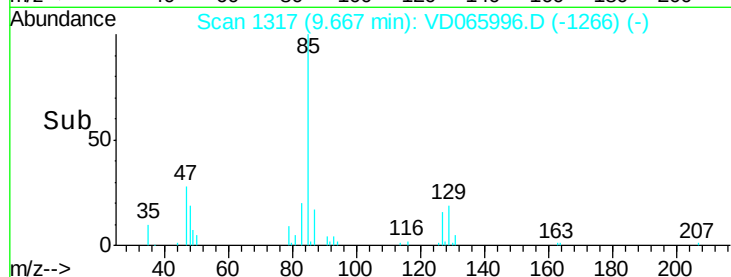
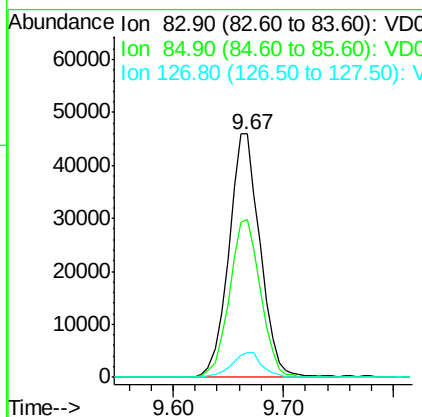
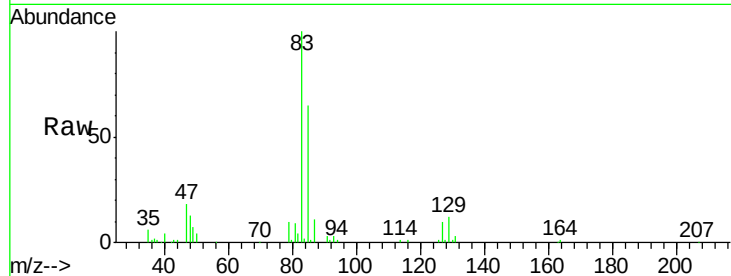
#47
Bromodichloromethane
Concen: 22.149 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	83	Resp	91302
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	50.6	75.8
127	10.1	7.1	10.7

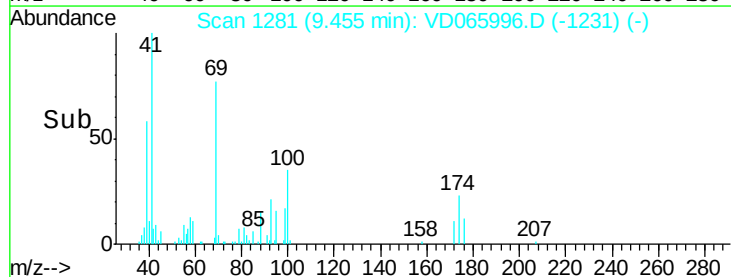
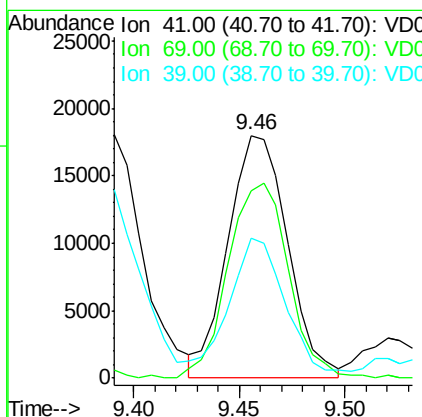
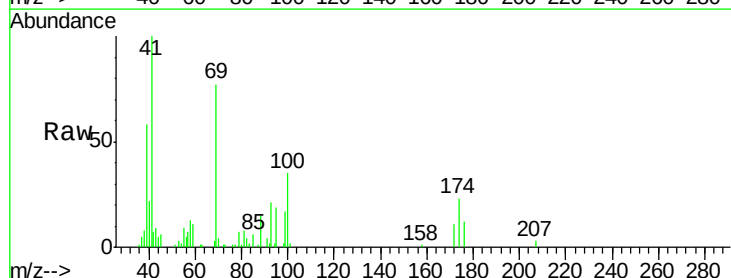
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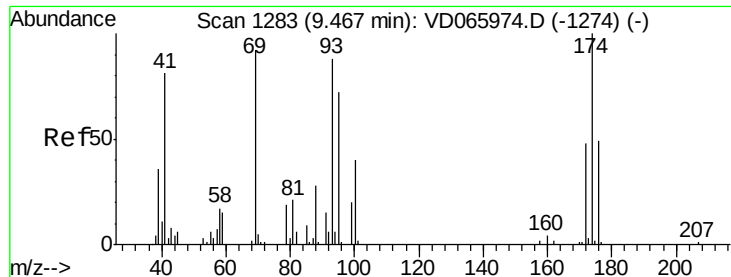
MMDadoda
7/23/2020 2:14:35 PM



#48
Methyl methacrylate
Concen: 21.912 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	41	Resp	35238
Ion Ratio	100	Lower	Upper
41	100		
69	81.8	65.1	97.7
39	49.1	41.5	62.3





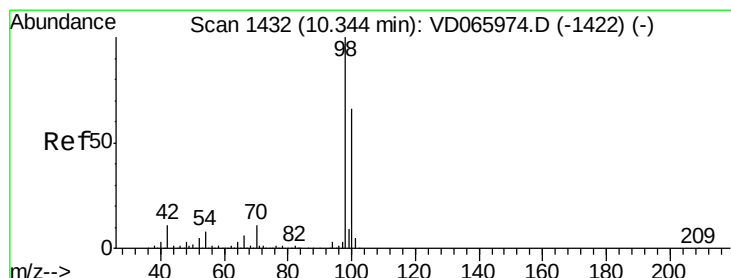
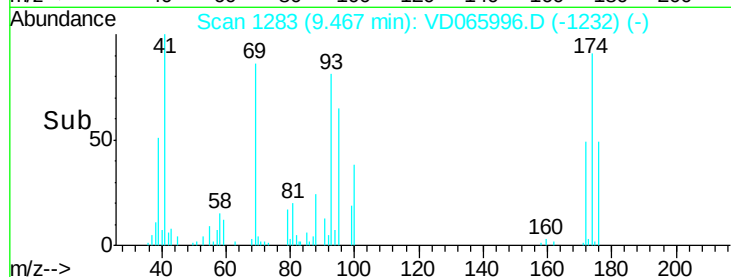
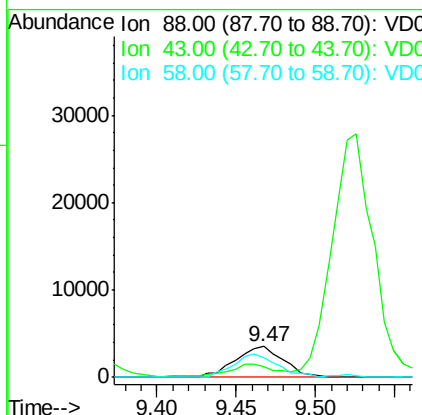
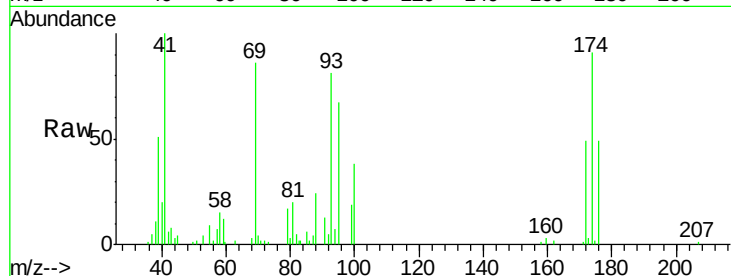
#49
1,4-Dioxane
Concen: 415.681 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	88	Resp	7508
Ion	Ratio	Lower	Upper
88	100		
43	46.0	29.0	43.6#
58	69.2	57.0	85.4

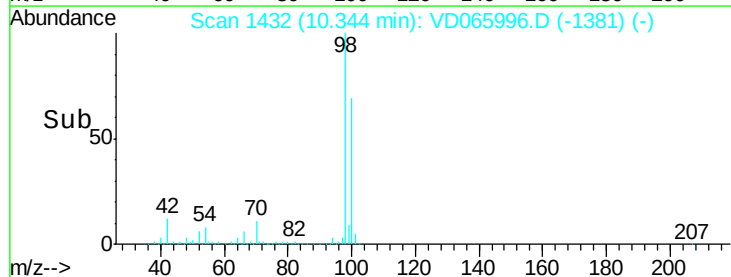
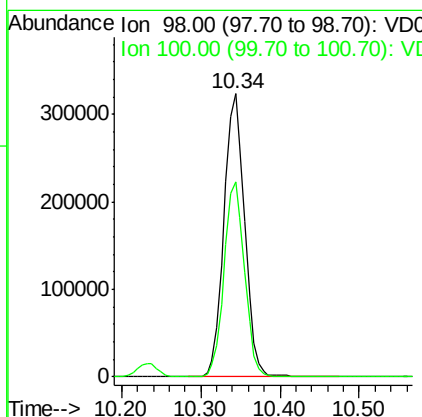
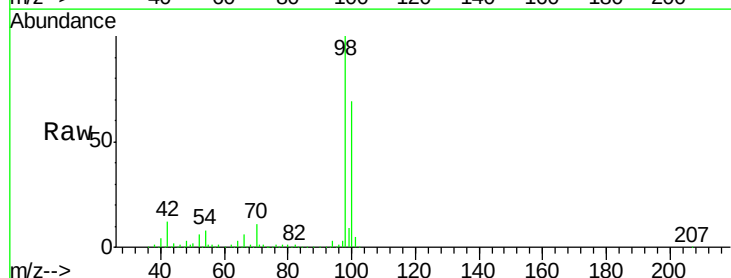
Manual Integrations
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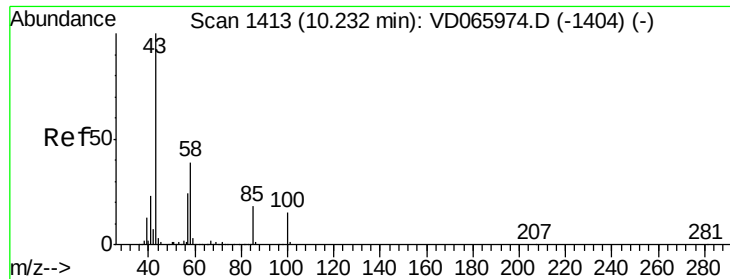
MMDadoda
7/23/2020 2:14:35 PM



#50
Toluene-d8
Concen: 51.933 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	98	Resp	587648
Ion	Ratio	Lower	Upper
98	100		
100	68.0	52.7	79.1





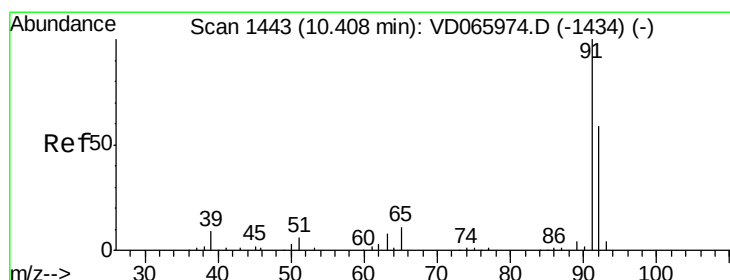
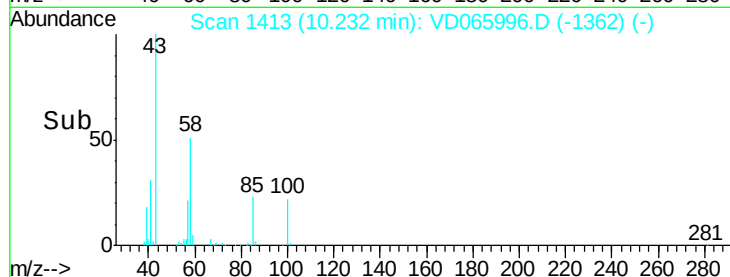
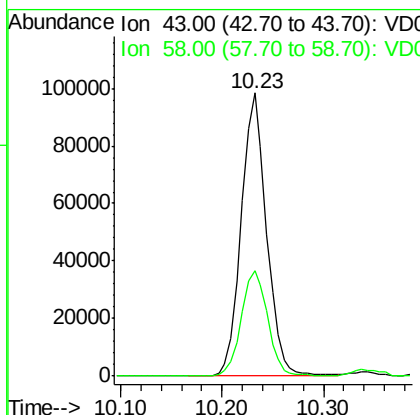
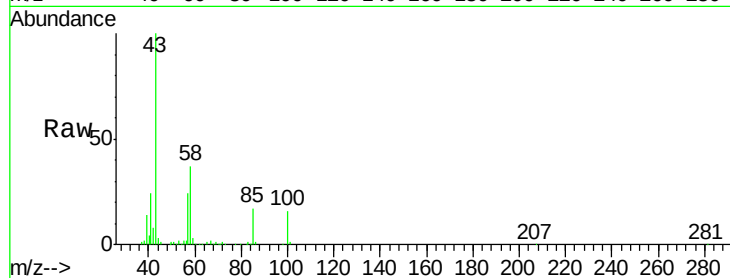
#51
4-Methyl-2-Pentanone
Concen: 106.625 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	43	Resp	171274
Ion Ratio	43	100	
Lower	58	38.7	31.3
Upper			46.9

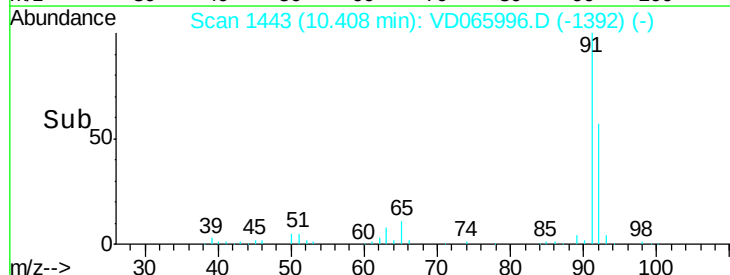
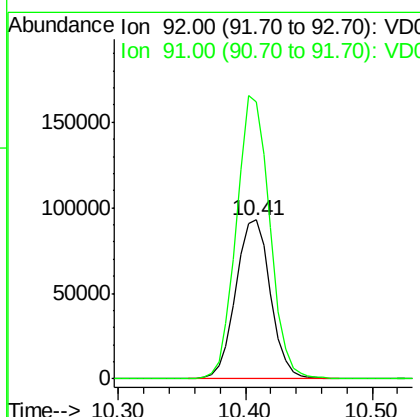
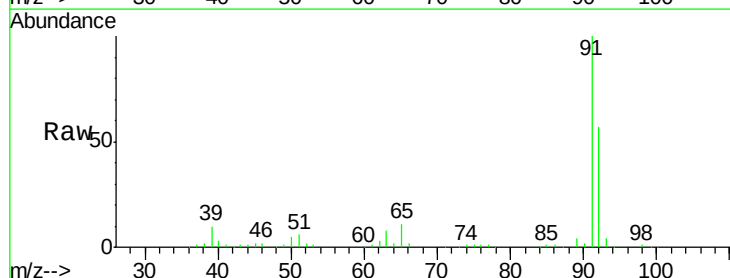
Manual Integrations
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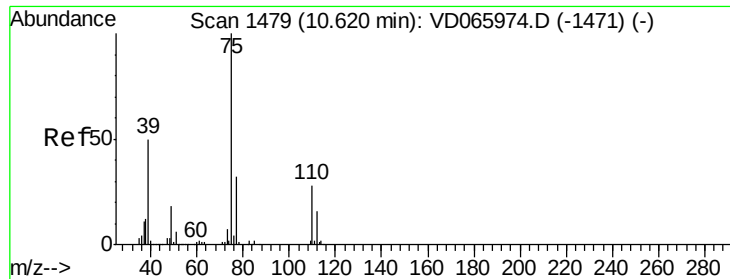
MMDadoda
7/23/2020 2:14:35 PM



#52
Toluene
Concen: 22.616 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	92	Resp	176359
Ion Ratio	92	100	
Lower	91	171.9	134.5
Upper			201.7





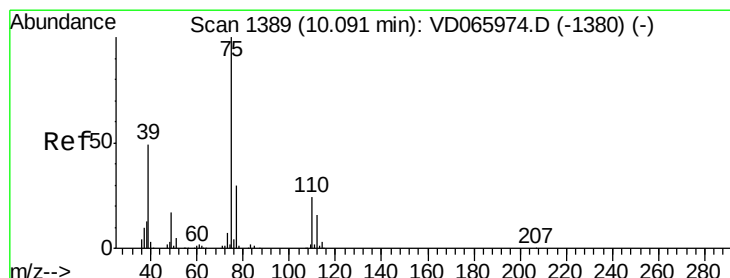
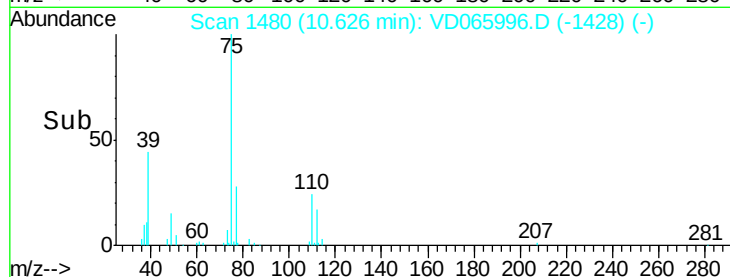
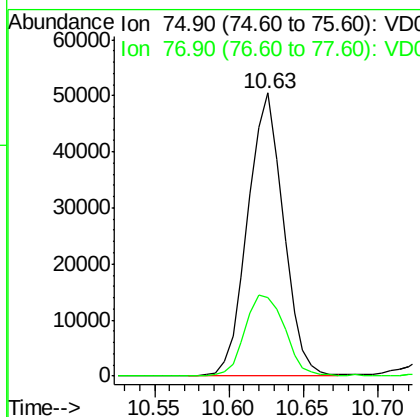
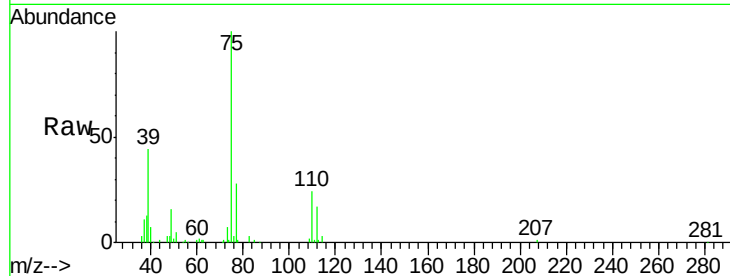
#53
t-1,3-Dichloropropene
Concen: 21.815 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.9	25.8	38.6

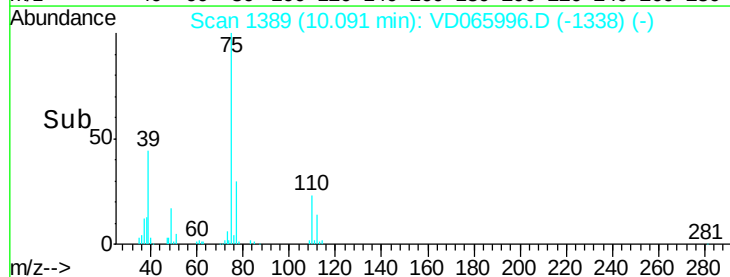
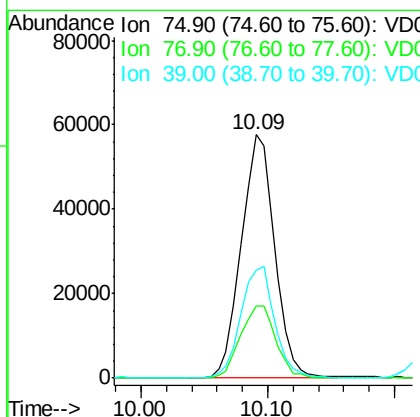
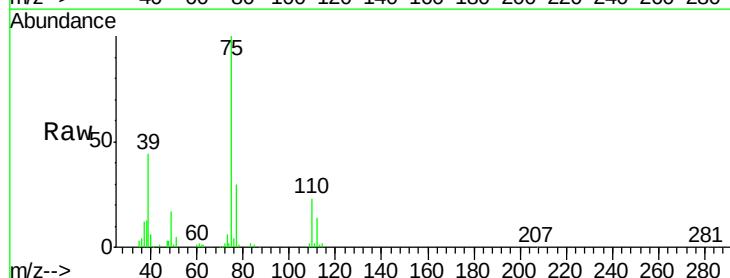
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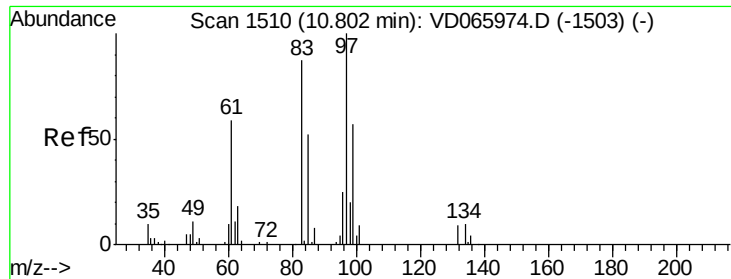
MMDadoda
7/23/2020 2:14:35 PM



#54
cis-1,3-Dichloropropene
Concen: 22.755 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.8	35.8
39	44.2	38.8	58.2





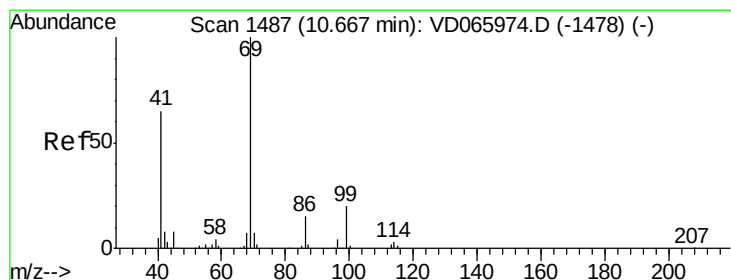
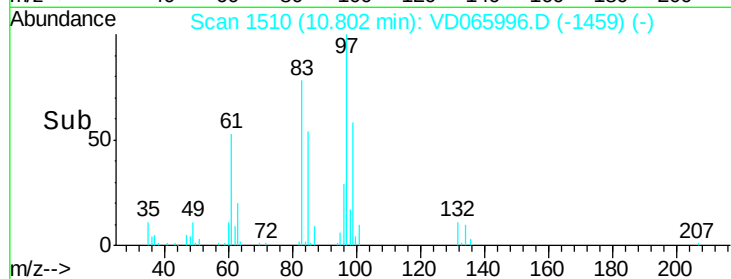
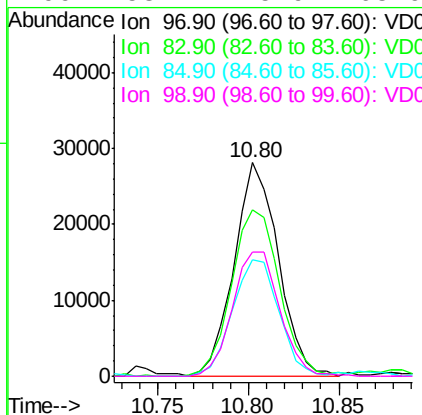
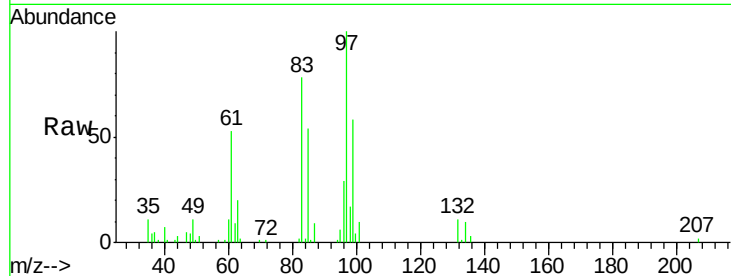
#55
 1,1,2-Trichloroethane
 Concen: 21.593 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.5	69.7	104.5
85	54.3	41.6	62.4
99	58.2	45.9	68.9

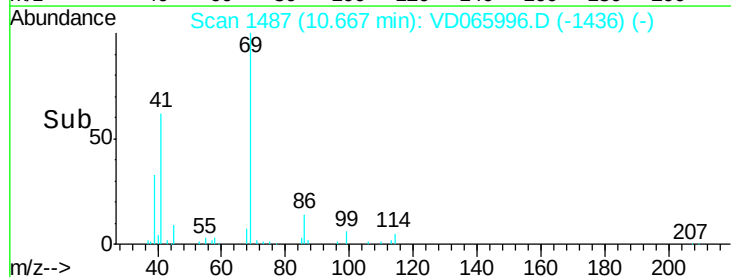
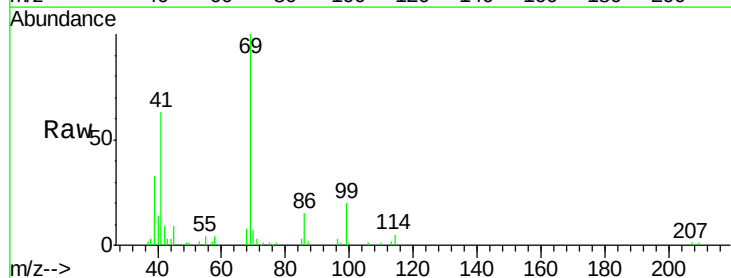
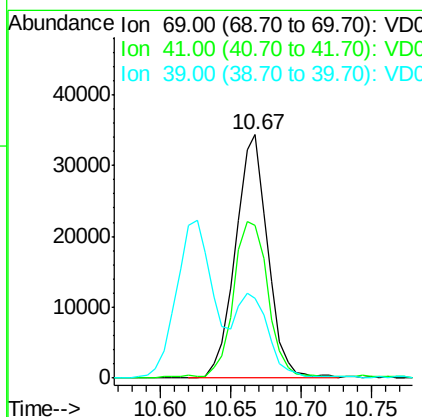
Manual Integrations
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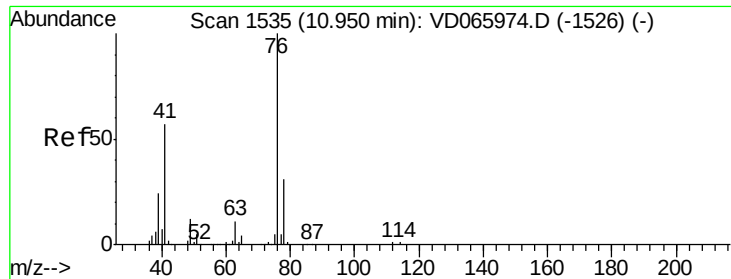
MMDadoda
 7/23/2020 2:14:35 PM



#56
 Ethyl methacrylate
 Concen: 21.322 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	52.3	78.5
39	32.4	25.2	37.8





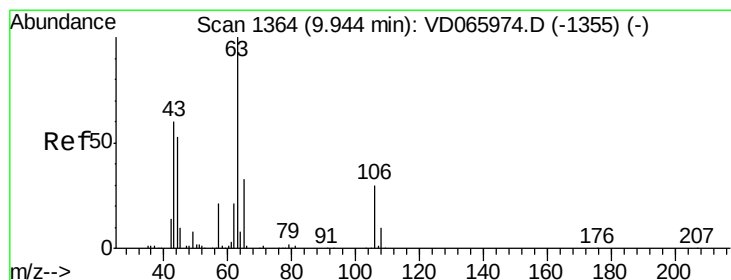
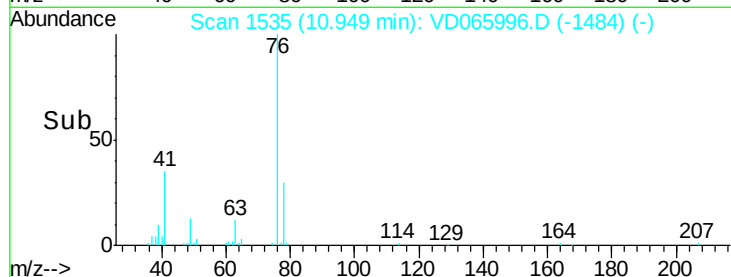
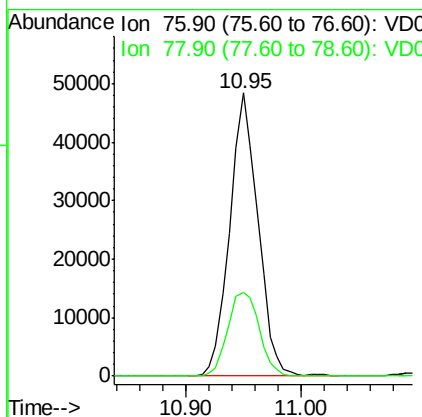
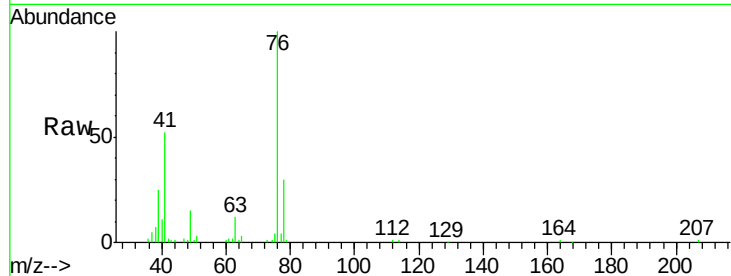
#57
 1,3-Dichloropropane
 Concen: 22.438 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

Tot Ion: 76 Resp: 82129
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4

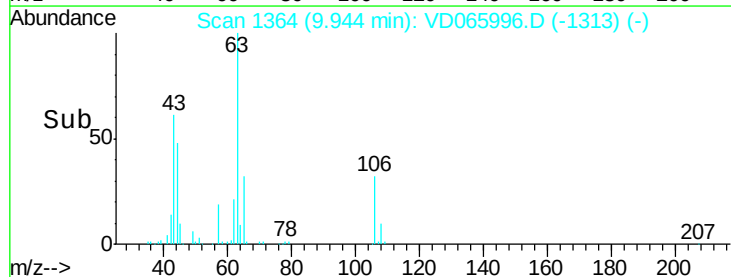
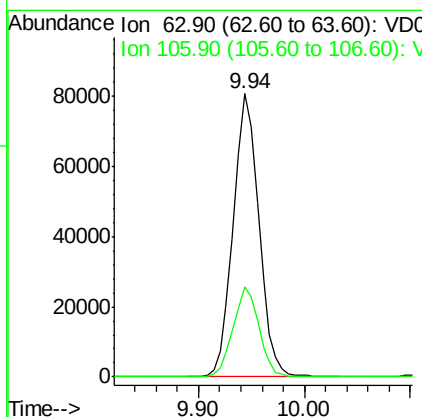
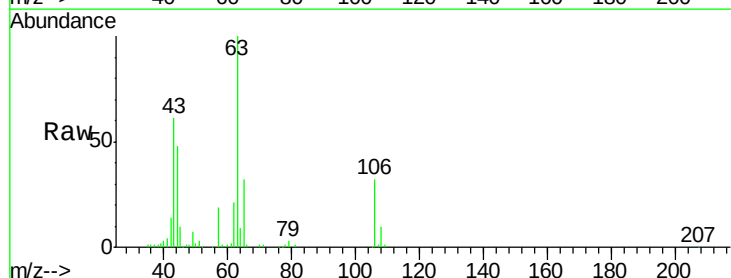
Manual Integrations
 APPROVED

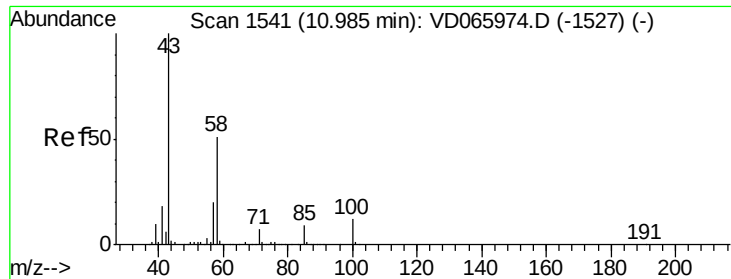
MMDadoda
 7/23/2020 2:14:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.750 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 63 Resp: 136005
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.4 36.6





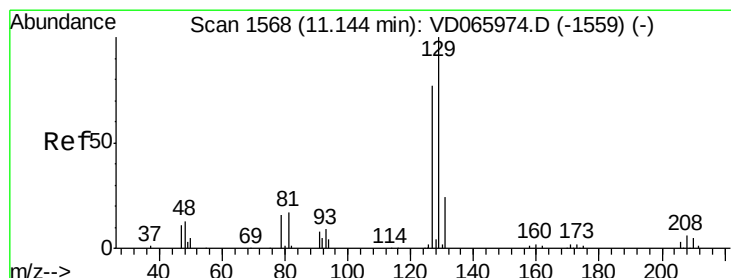
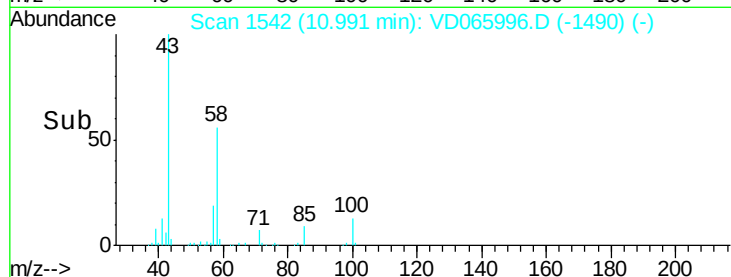
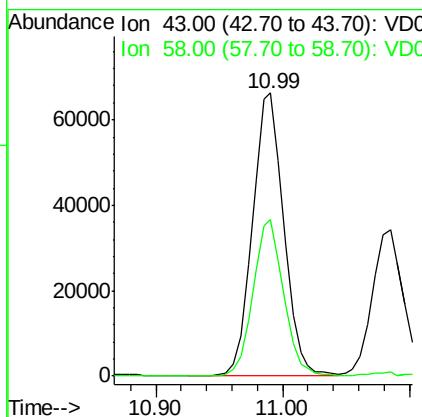
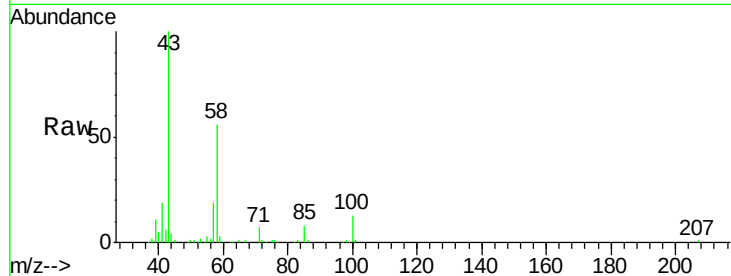
#59
2-Hexanone
Concen: 102.480 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion: 43 Resp: 114077
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.6

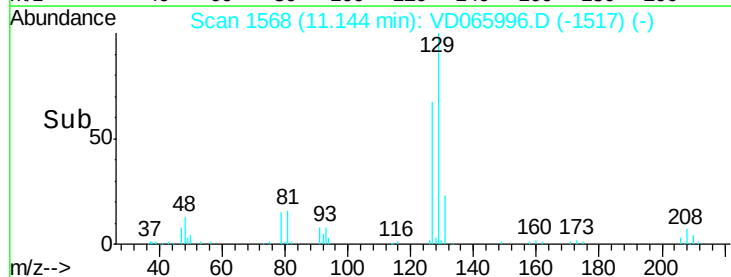
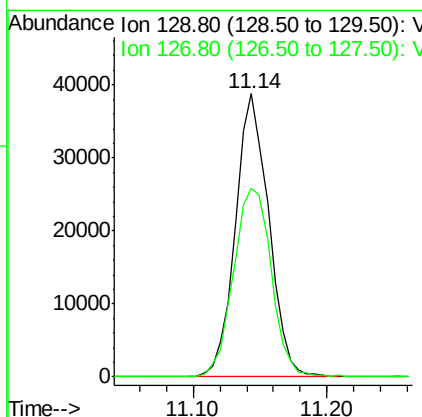
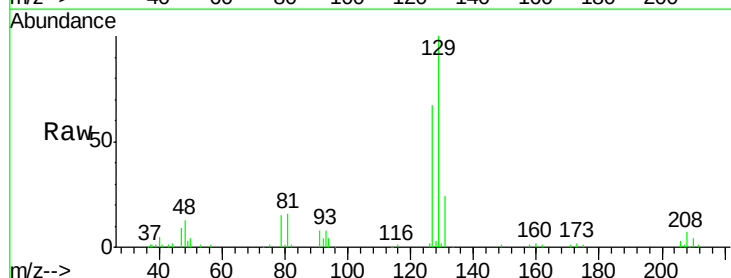
Manual Integrations
APPROVED

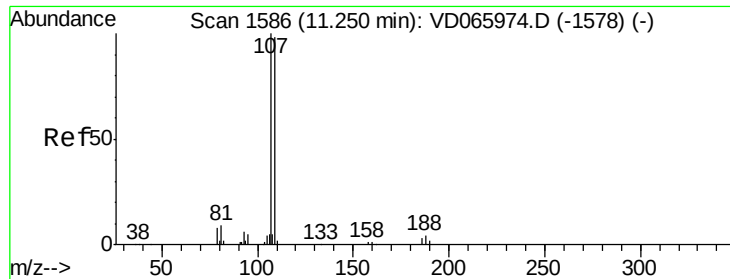
MMDadoda
7/23/2020 2:14:35 PM



#60
Dibromochloromethane
Concen: 22.494 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:129 Resp: 67060
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.7





#61

1,2-Dibromoethane

Concen: 22.736 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:107 Resp: 48470

Ion Ratio Lower Upper

107 100

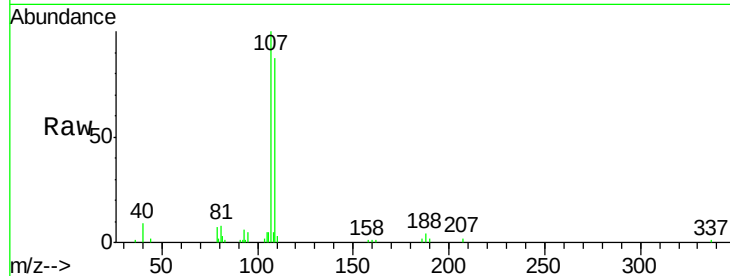
109 93.7 75.0 112.4

Manual Integrations

APPROVED

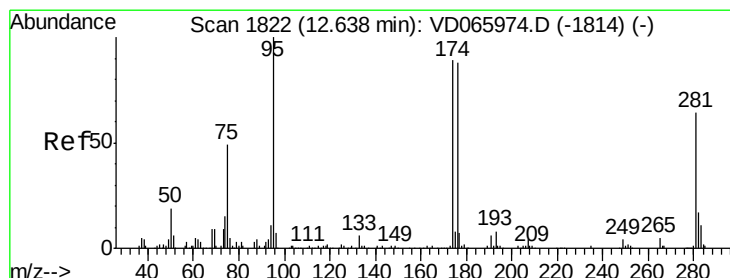
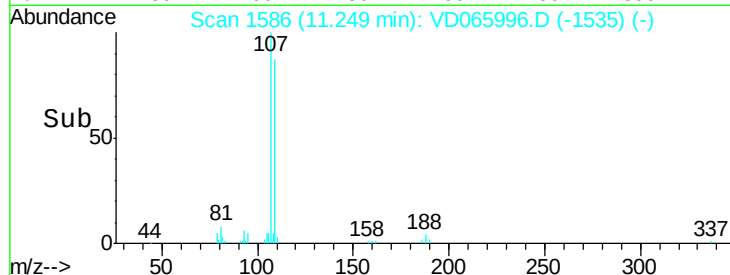
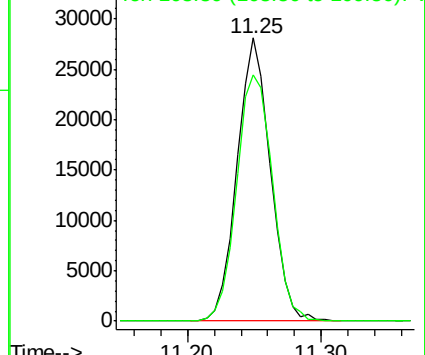
MMDadoda

7/23/2020 2:14:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.583 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

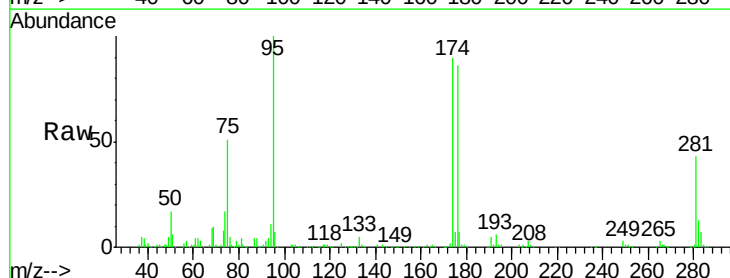
Tgt Ion: 95 Resp: 206311

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.8

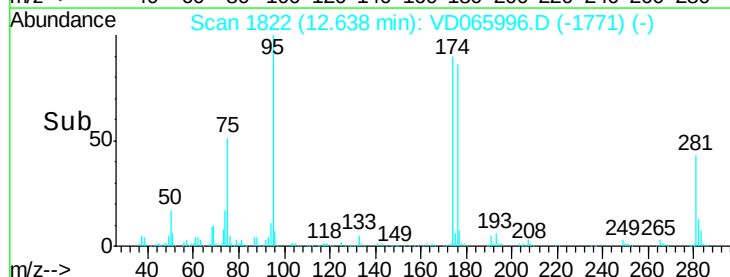
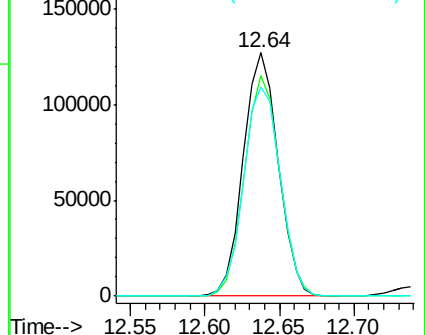
176 90.3 0.0 172.6

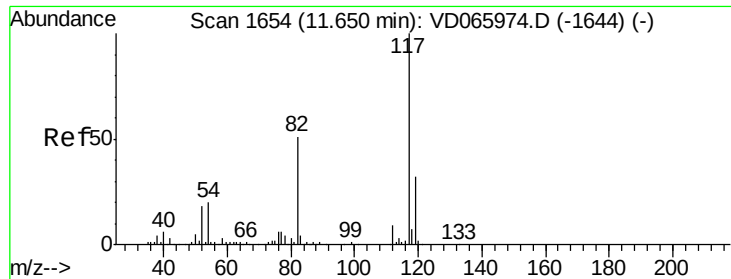


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





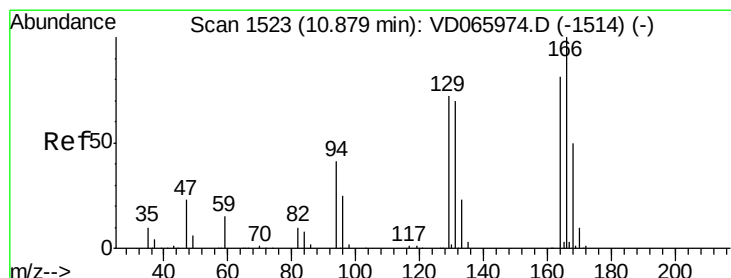
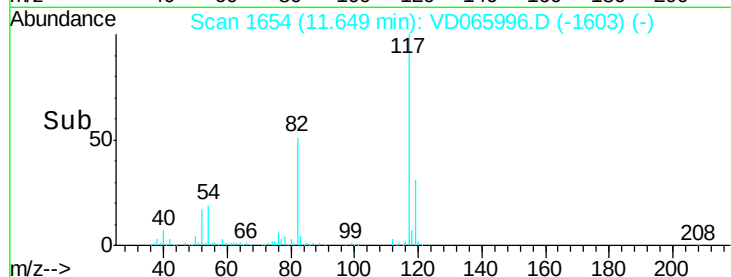
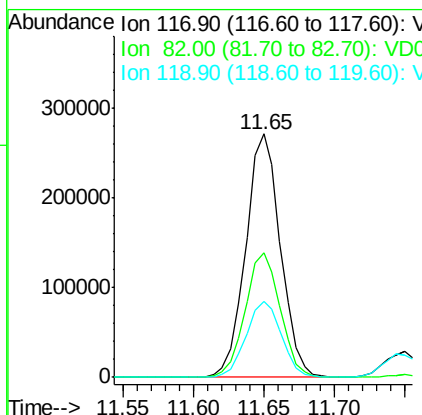
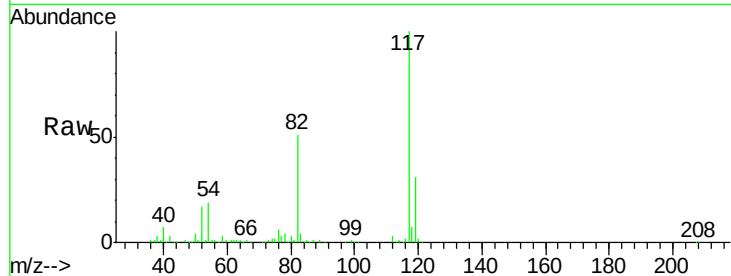
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468501		
82	51.2		41.1	61.7
119	31.2		25.9	38.9

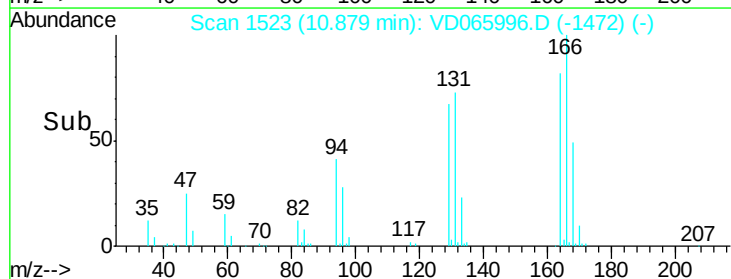
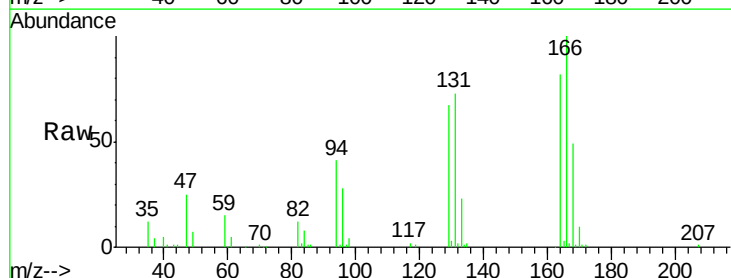
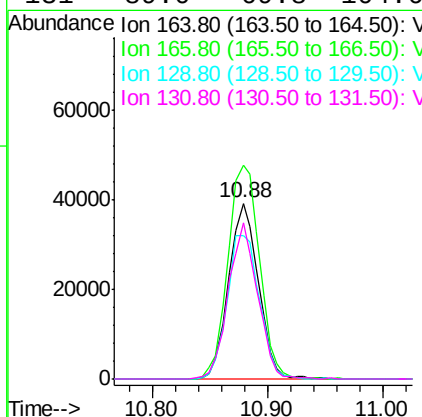
Manual Integrations
APPROVED

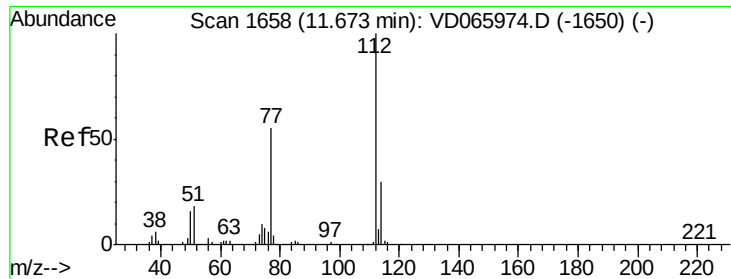
MMDadoda
7/23/2020 2:14:35 PM



#64
Tetrachloroethene
Concen: 22.009 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69987		
166	121.8		99.1	148.7
129	82.0		71.5	107.3
131	89.0		69.8	104.6





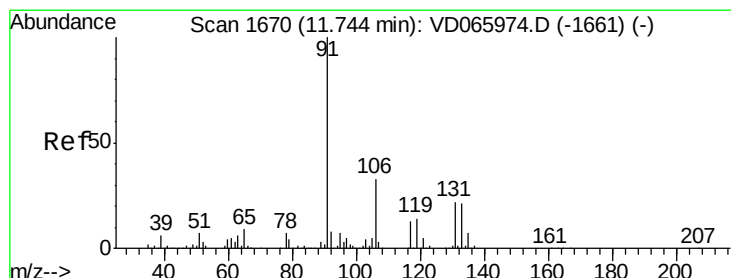
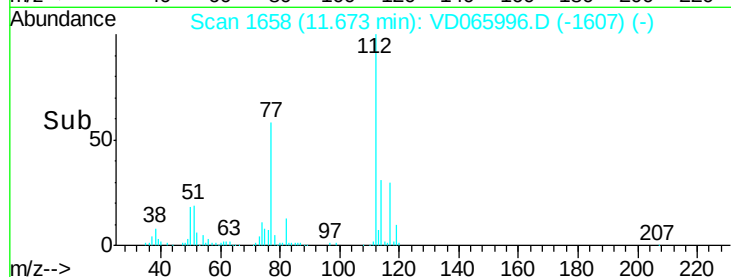
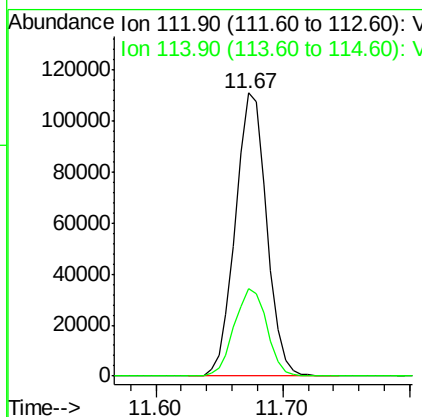
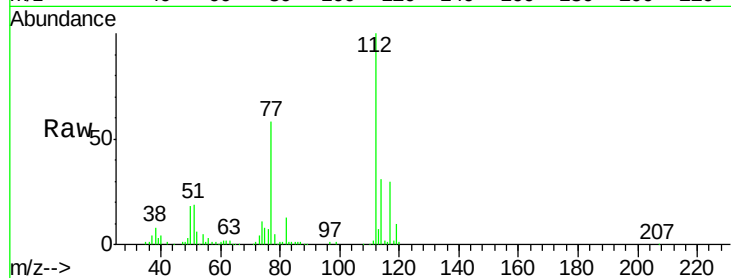
#65
Chlorobenzene
Concen: 22.128 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	24.4	36.6

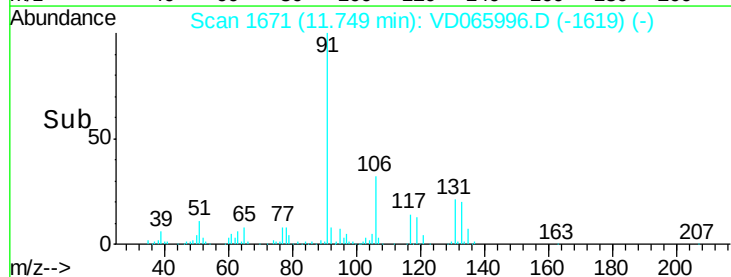
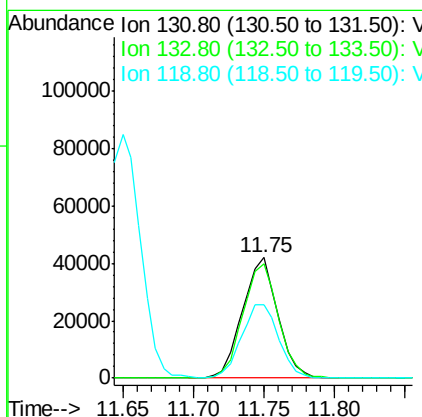
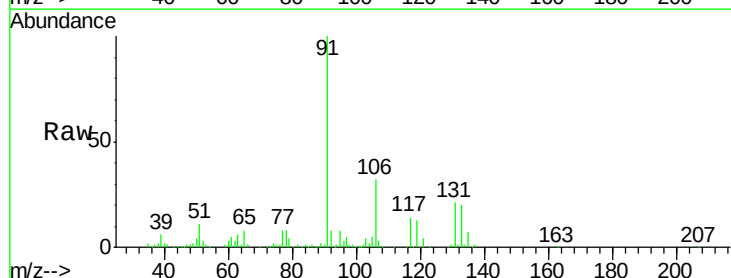
Manual Integrations
APPROVED

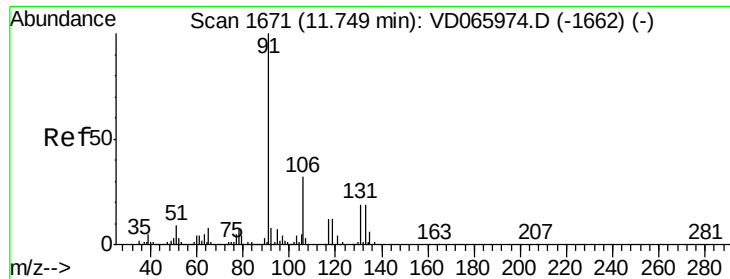
MMDadoda
7/23/2020 2:14:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.148 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	142.0
119	65.0	31.7	95.1





#67

Ethyl Benzene

Concen: 22.307 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 91 Resp: 329294

Ion Ratio Lower Upper

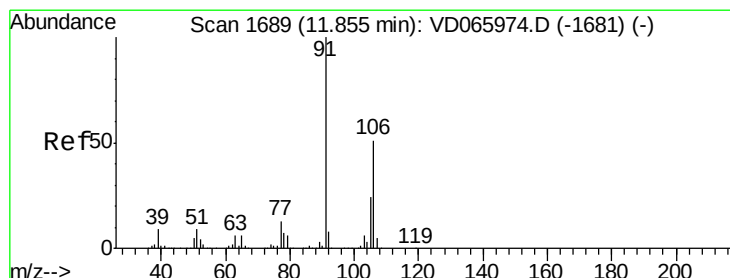
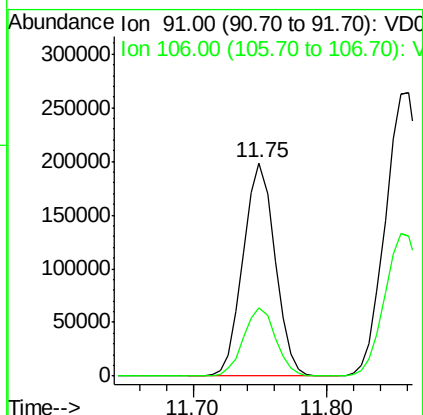
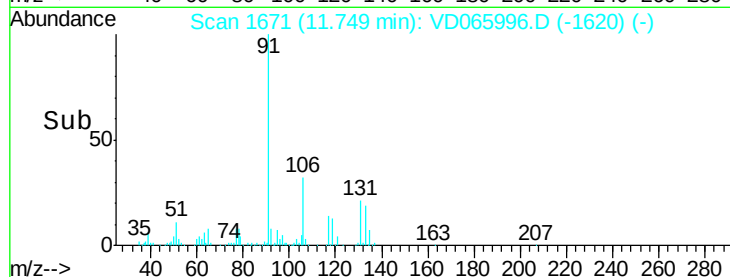
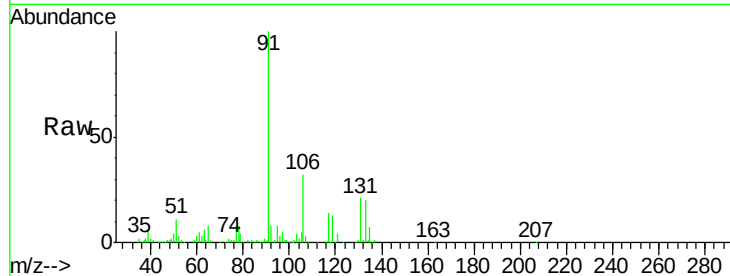
91 100

106 32.2 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

7/23/2020 2:14:35 PM



#68

m/p-Xylenes

Concen: 45.998 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065996.D

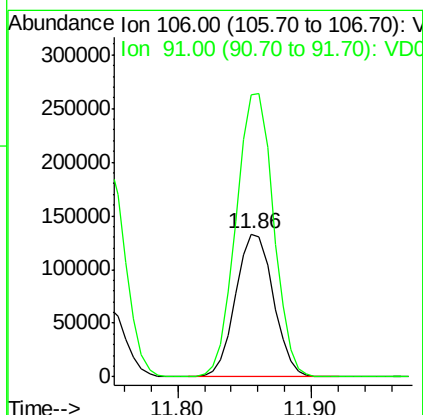
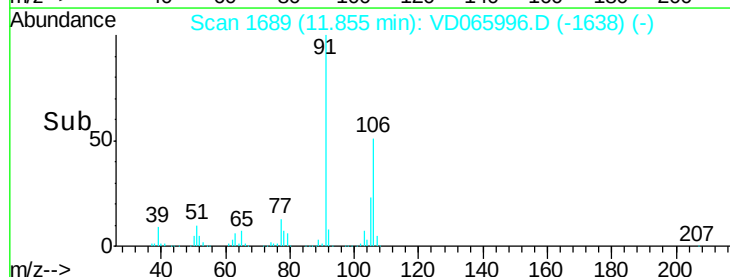
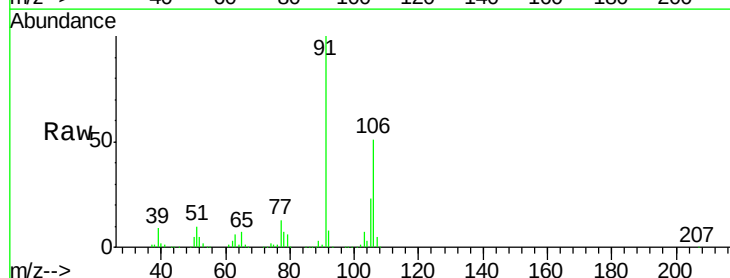
Acq: 22 Jul 2020 12:43

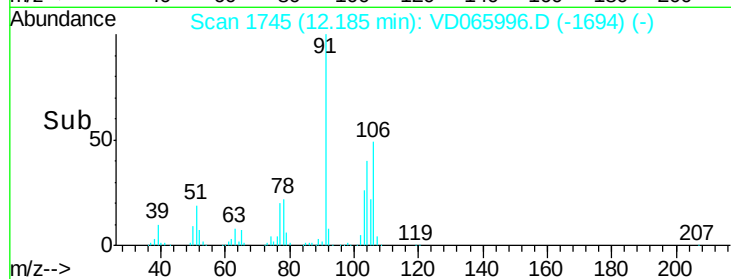
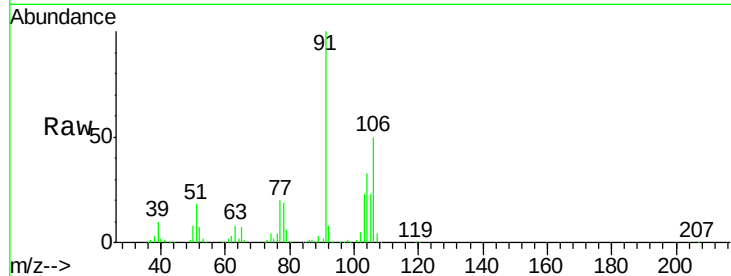
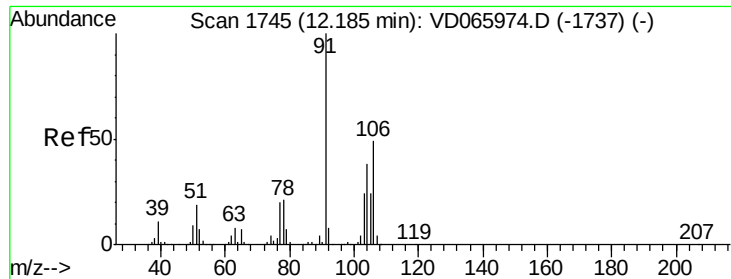
Tgt Ion: 106 Resp: 260991

Ion Ratio Lower Upper

106 100

91 196.9 157.0 235.6





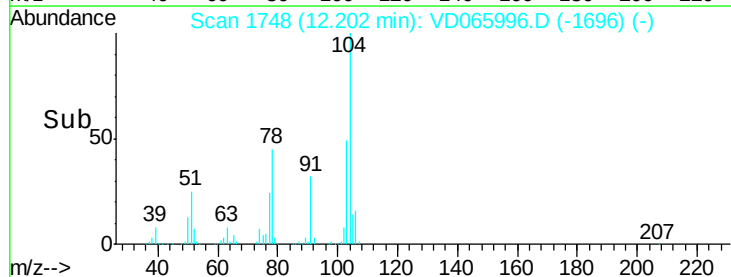
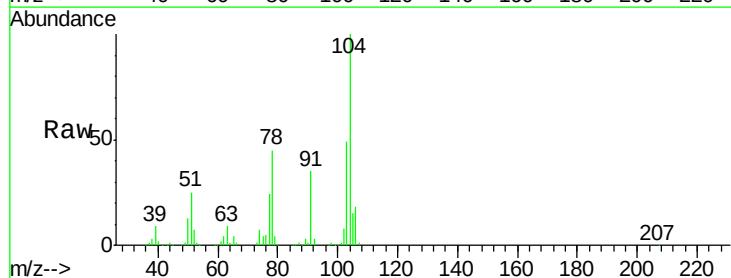
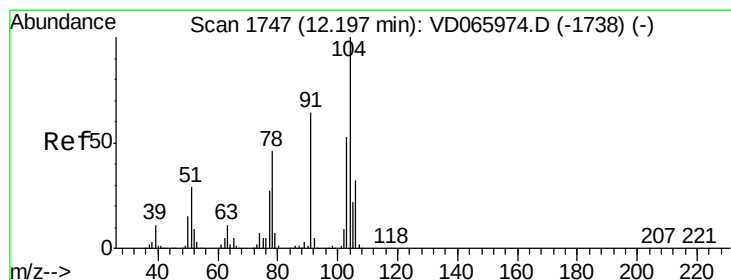
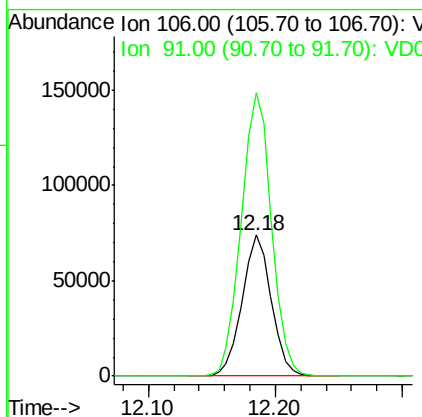
#69
o-Xylene
Concen: 22.888 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tot Ion	Ratio	Resp	Lower	Upper
106	100	118115		
91	208.3	103.1	309.3	

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

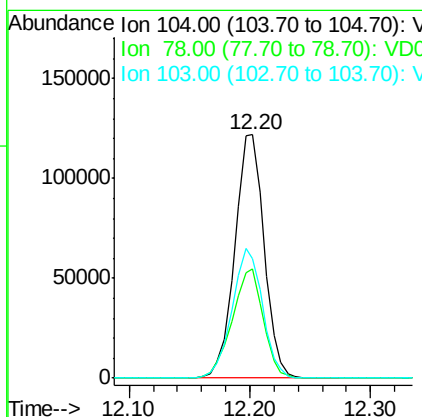
Manual Integrations
APPROVED

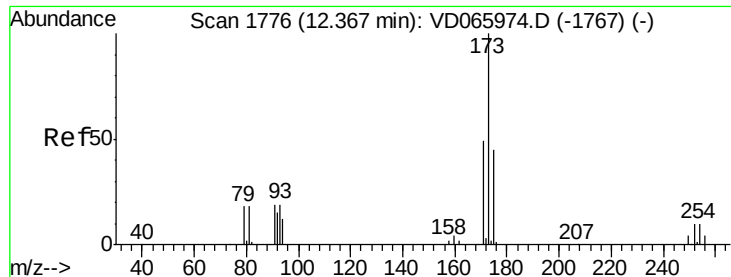
MMDadoda
7/23/2020 2:14:35 PM



#70
Styrene
Concen: 23.293 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	206535		
78	47.4	38.3	57.5	
103	55.2	43.8	65.8	





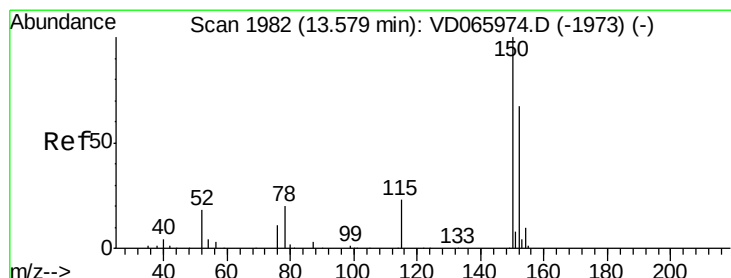
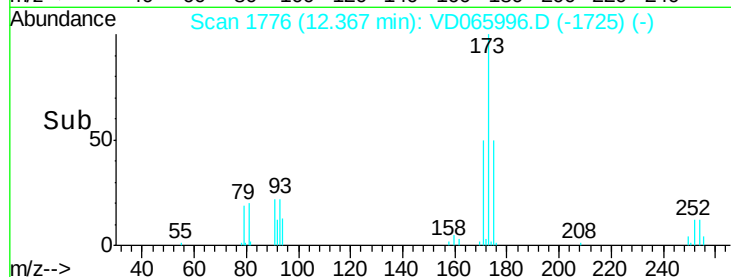
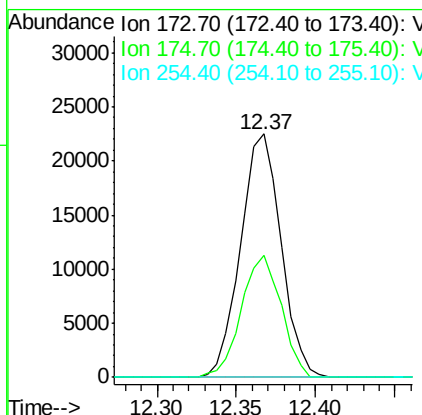
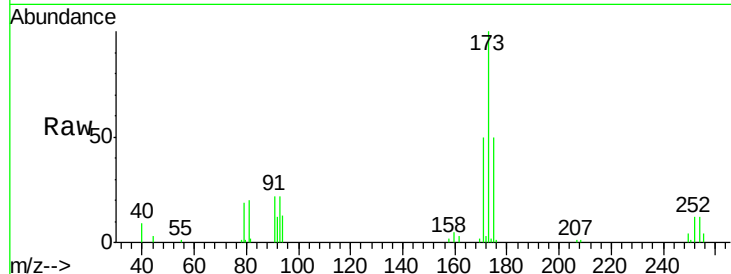
#71
Bromoform
Concen: 21.509 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.0	0.0	0.0

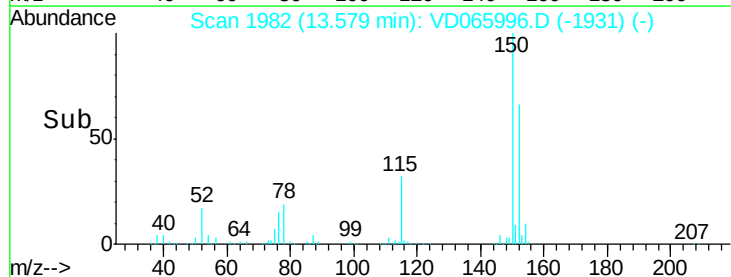
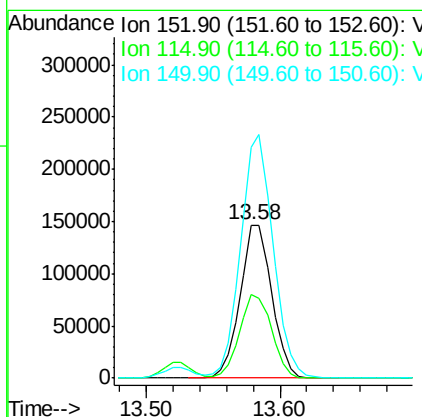
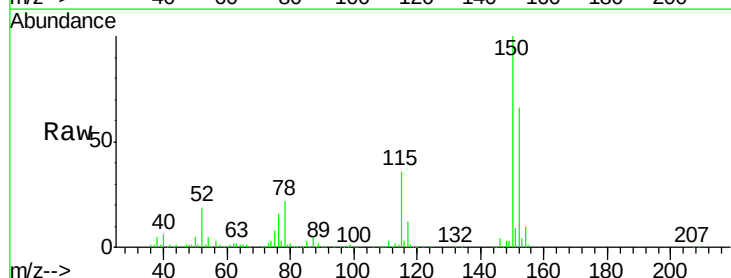
Manual Integrations
APPROVED

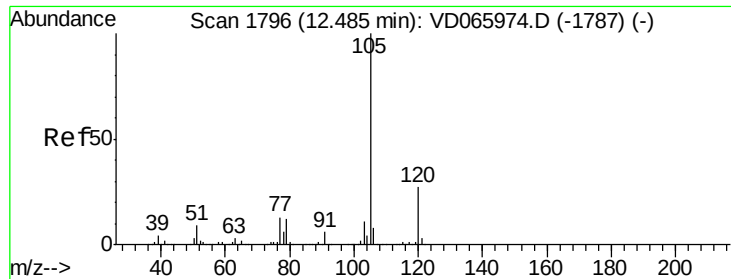
MMDadoda
7/23/2020 2:14:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.9	83.7
150	163.4	0.0	348.2





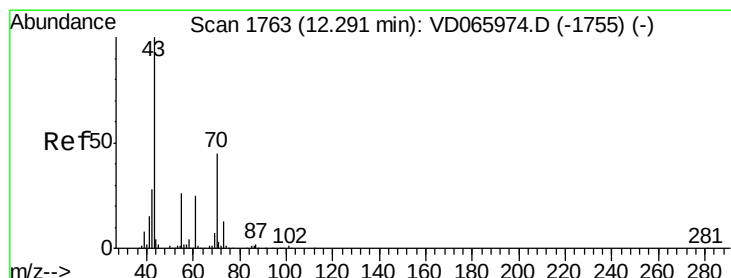
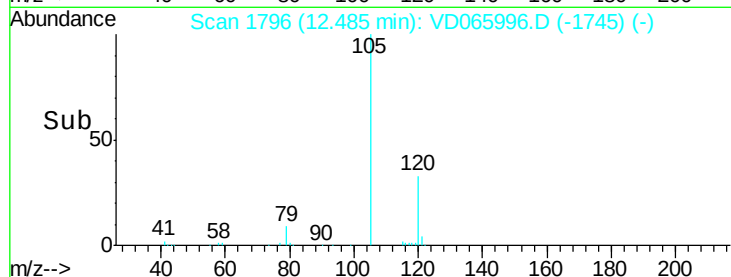
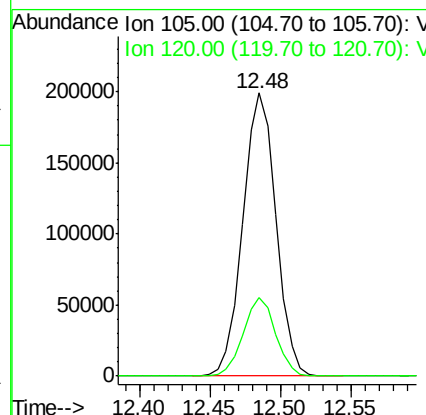
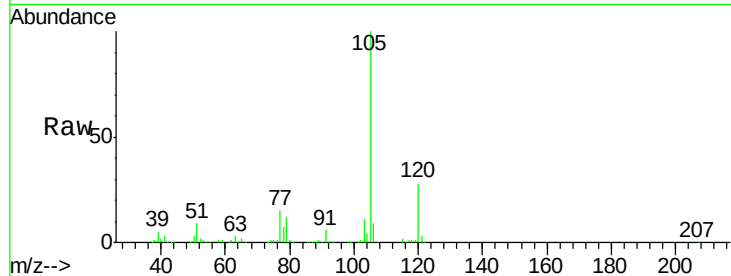
#73
Isopropylbenzene
Concen: 22.558 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326881		
120	27.4	13.6	40.8	

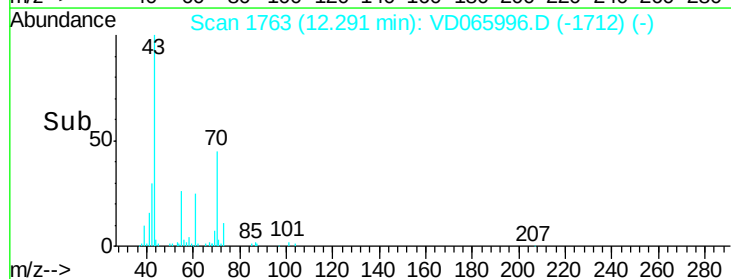
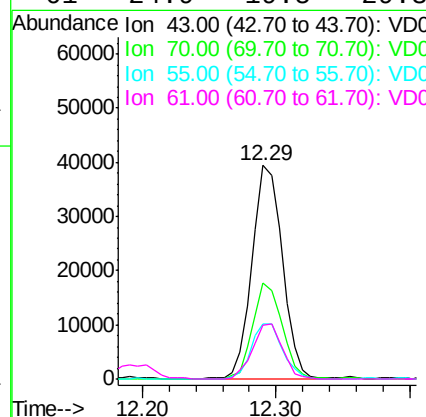
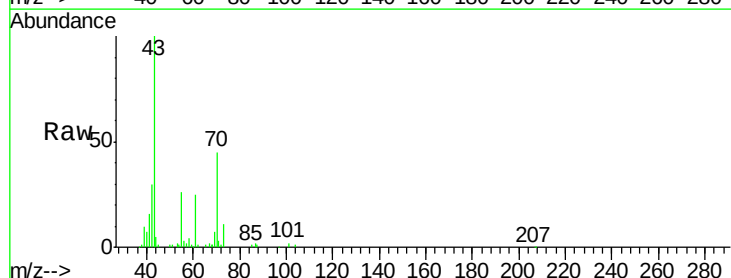
Manual Integrations
APPROVED

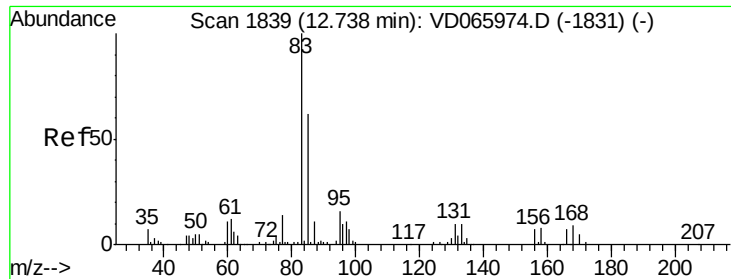
MMDadoda
7/23/2020 2:14:35 PM



#74
N-ethyl acetate
Concen: 20.702 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	62198		
70	43.2	34.6	51.8	
55	26.4	20.3	30.5	
61	24.9	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.913 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 83 Resp: 52476

Ion Ratio Lower Upper

83 100

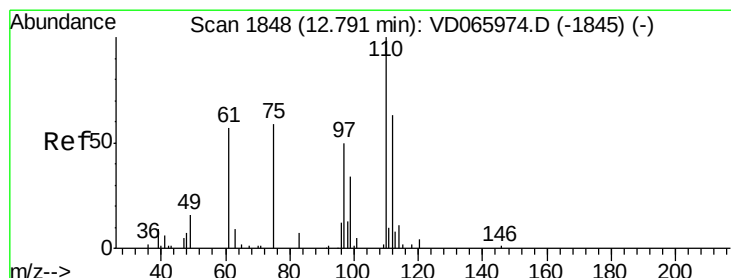
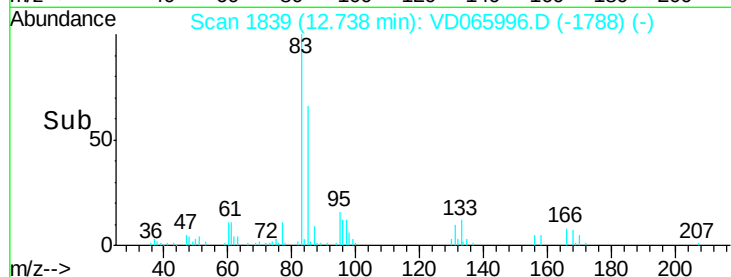
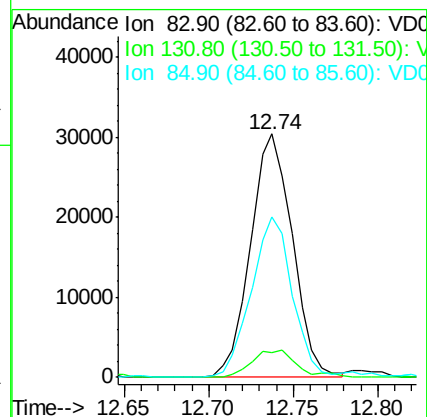
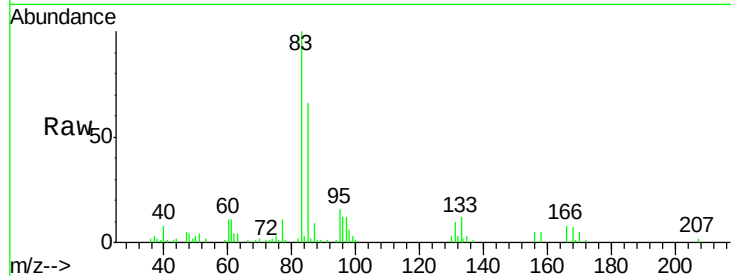
131 12.1 5.7 17.1

85 64.5 31.9 95.5

Manual Integrations
APPROVED

MMDadoda

7/23/2020 2:14:35 PM



#76

1,2,3-Trichloropropane

Concen: 22.502 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065996.D

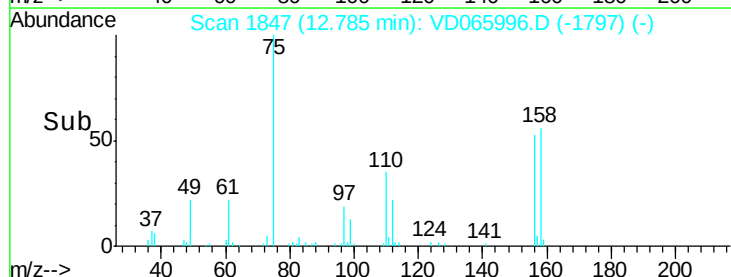
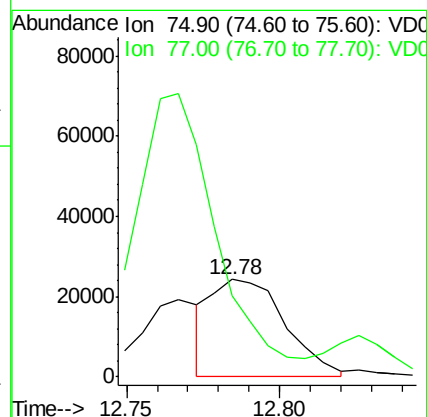
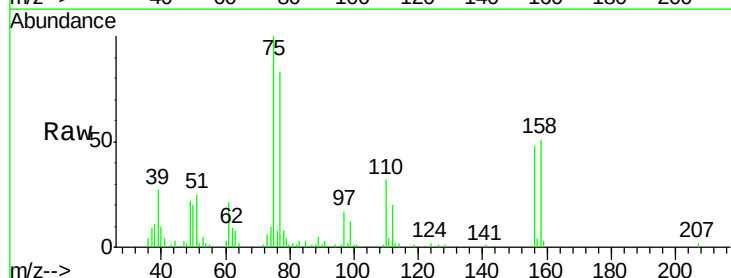
Acq: 22 Jul 2020 12:43

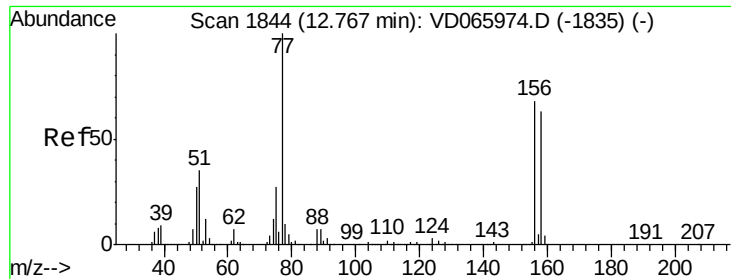
Tgt Ion: 75 Resp: 40574

Ion Ratio Lower Upper

75 100

77 327.4 0.0 0.0#





#77

Bromobenzene

Concen: 21.953 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

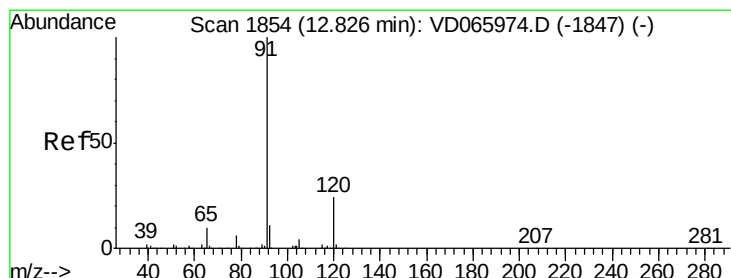
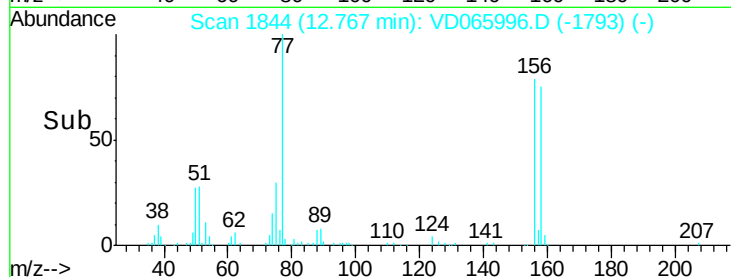
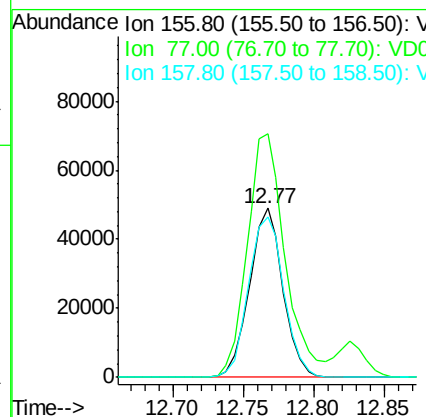
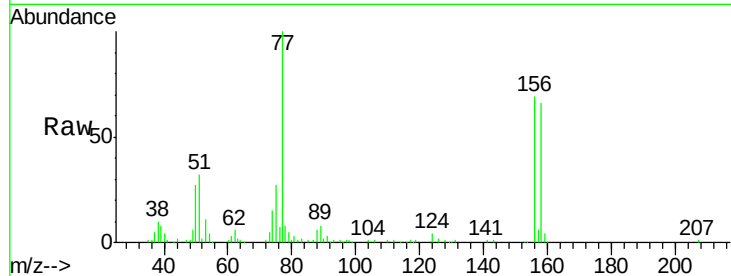
ClientSampleId :

VD0722SBS01

Tot Ion:	156	Resp:	81299
Ion	Ratio	Lower	Upper
156	100		
77	163.4	83.0	249.0
158	100.7	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.409 ug/l

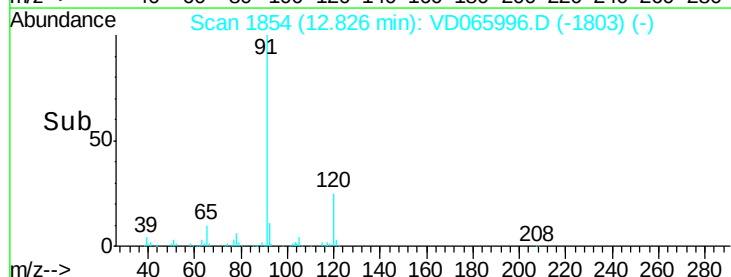
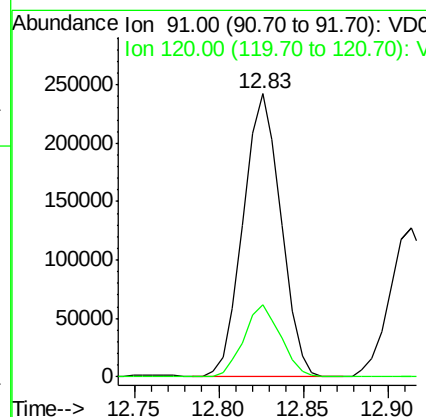
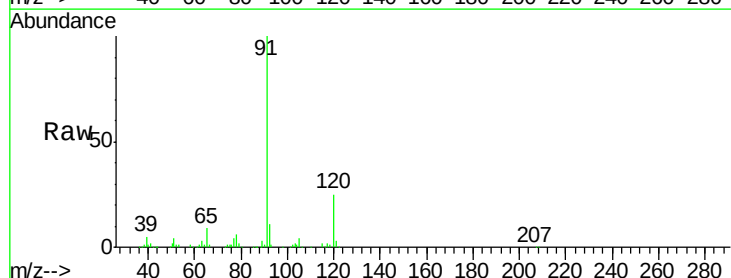
RT: 12.83 min Scan# 1854

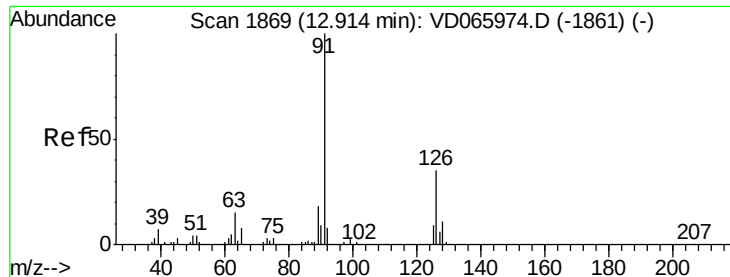
Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	91	Resp:	376804
Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.233 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion: 91 Resp: 213580

Ion Ratio Lower Upper

91 100

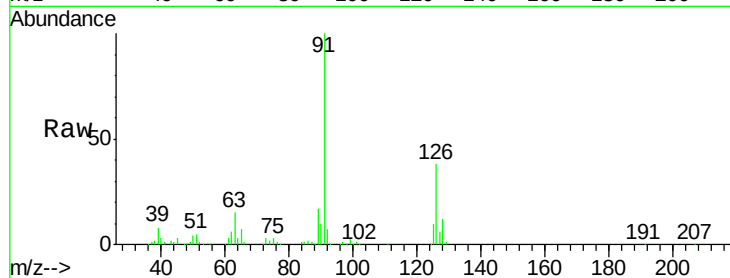
126 36.8 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065974.D (-1861) (-)

150000

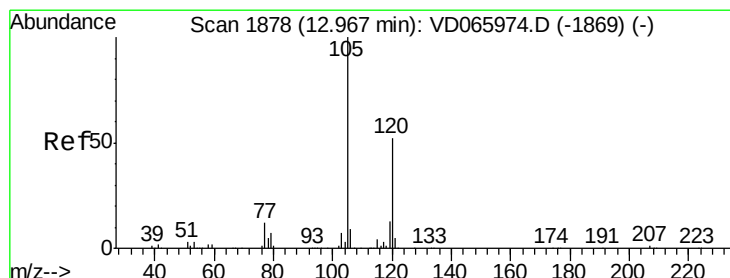
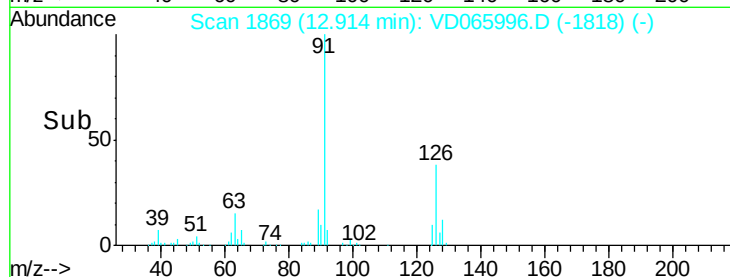
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.265 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065996.D

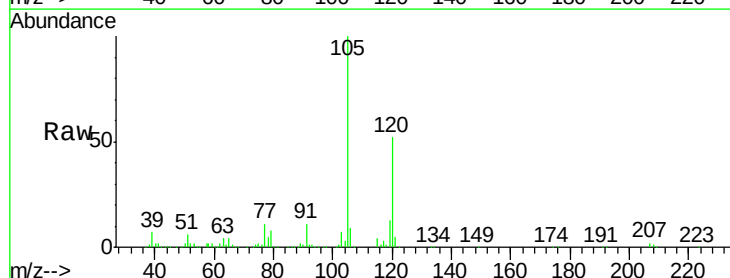
Acq: 22 Jul 2020 12:43

Tgt Ion: 105 Resp: 265069

Ion Ratio Lower Upper

105 100

120 53.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065974.D (-1869) (-)

200000

150000

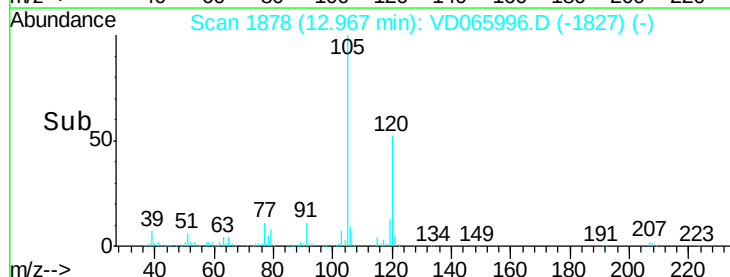
100000

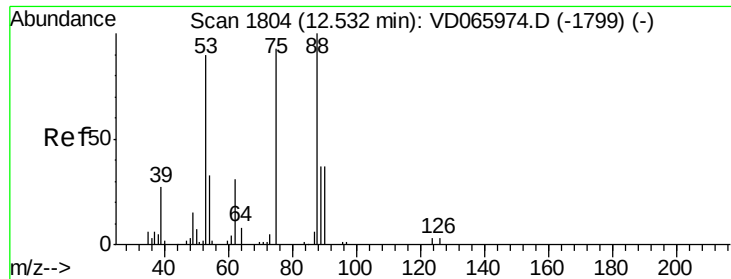
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.558 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

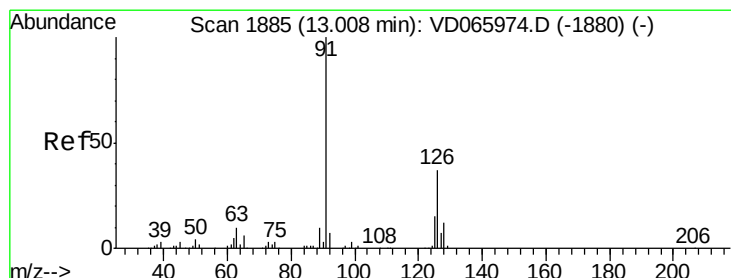
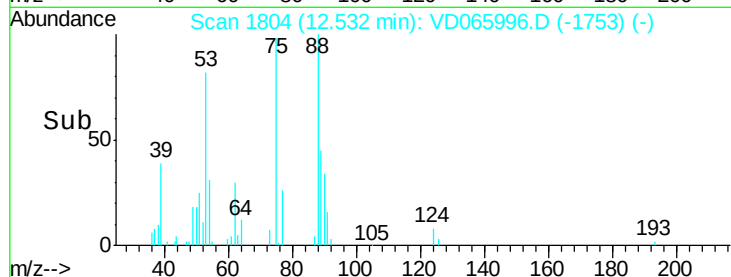
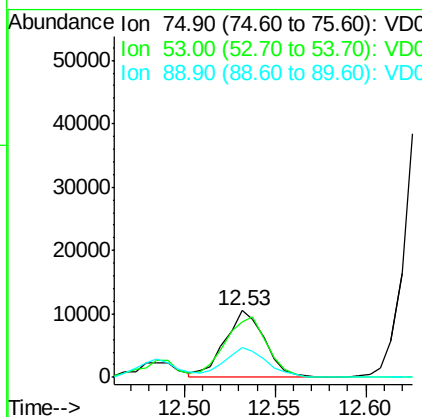
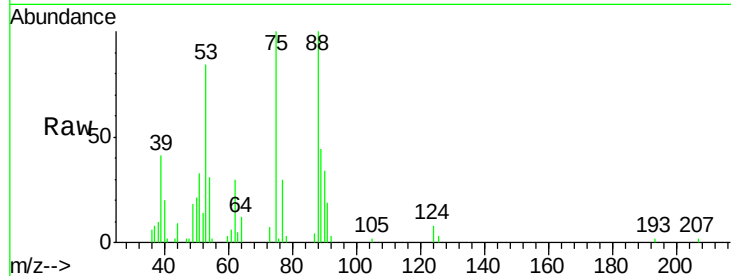
ClientSampleId :

VD0722SBS01

Tot Ion:	75	Resp:	16154
Ion	Ratio	Lower	Upper
75	100		
53	95.5	76.8	115.2
89	45.9	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.631 ug/l

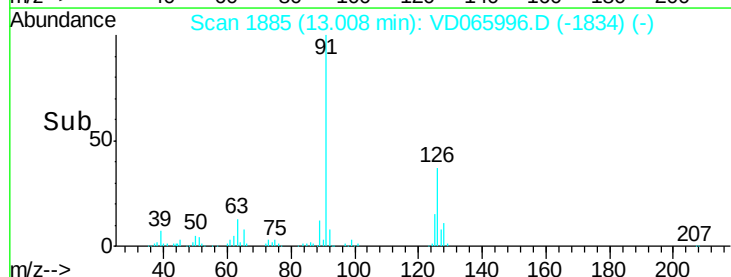
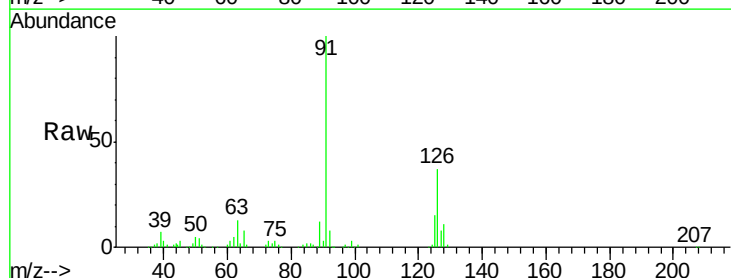
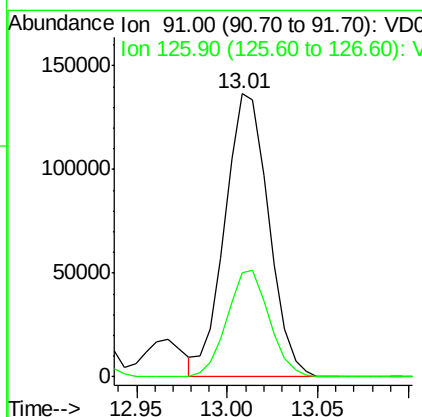
RT: 13.01 min Scan# 1885

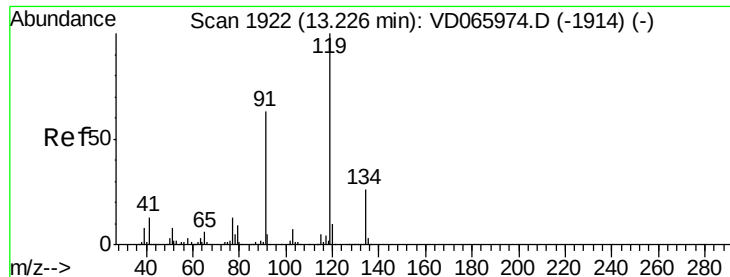
Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	91	Resp:	229471
Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.5





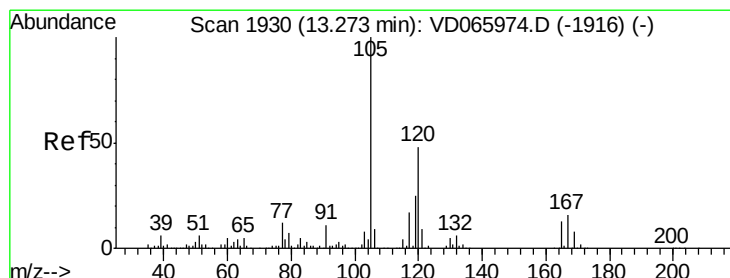
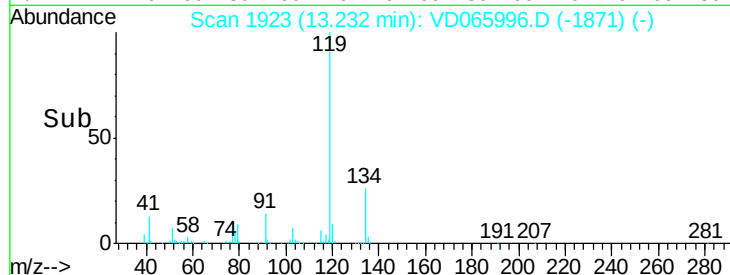
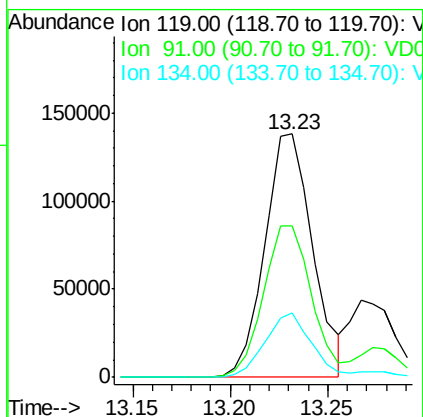
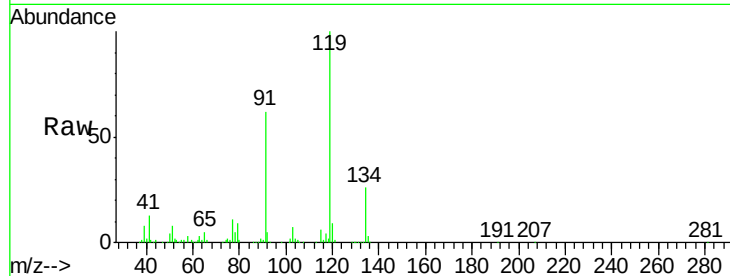
#83
 tert-Butylbenzene
 Concen: 22.603 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235470		
91	63.6		30.6	91.6
134	25.5		13.9	41.7

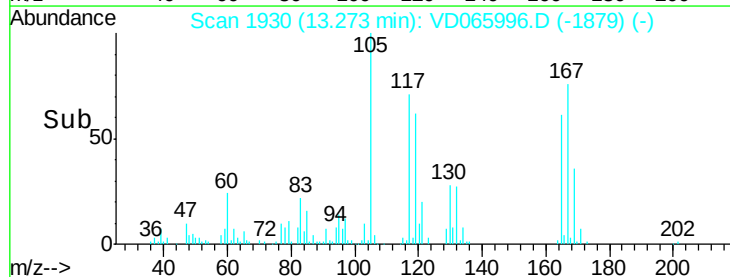
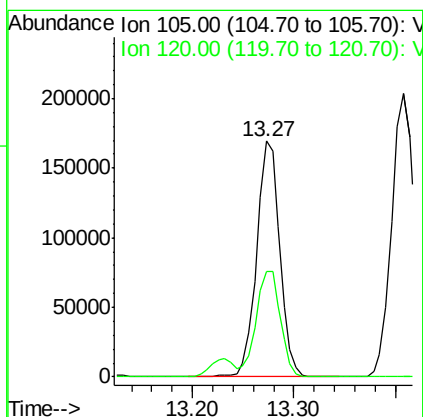
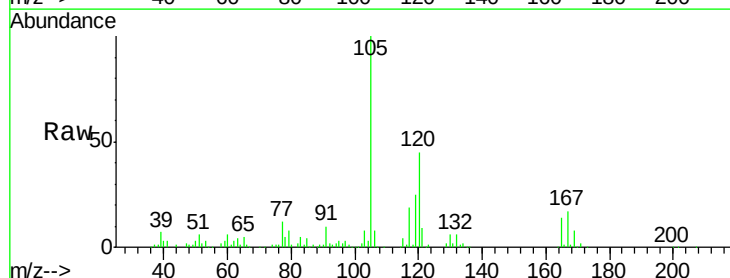
Manual Integrations
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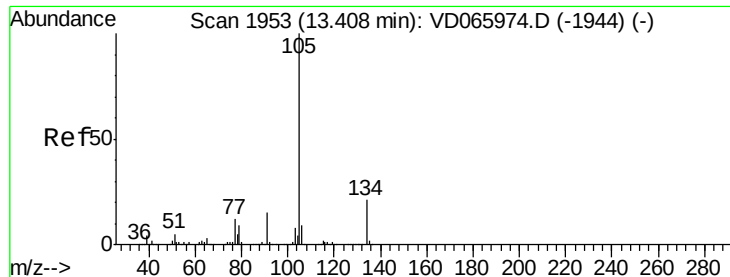
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.051 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270746		
120	47.2		23.9	71.8





#85

sec-Butylbenzene

Concen: 22.420 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tot Ion:105 Resp: 321713

Ion Ratio Lower Upper

105 100

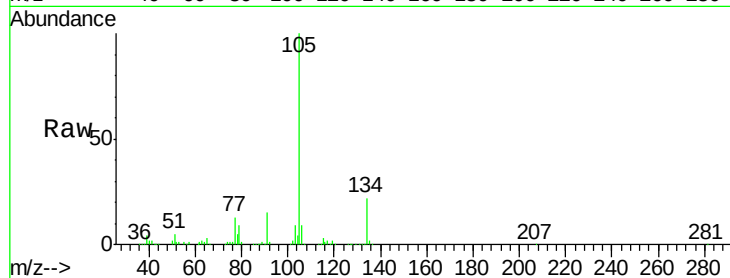
134 20.9 10.4 31.4

Manual Integrations

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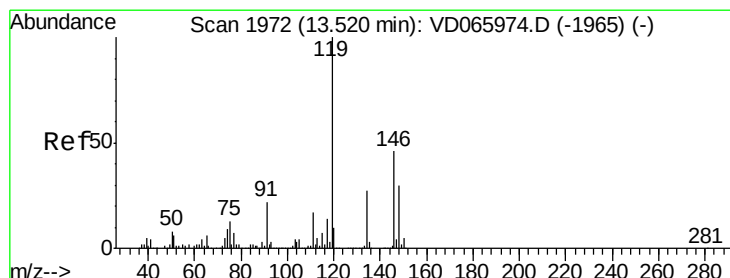
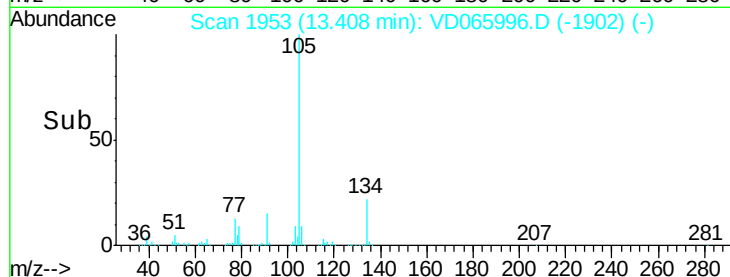
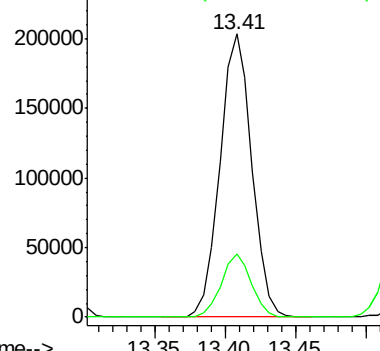
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.365 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

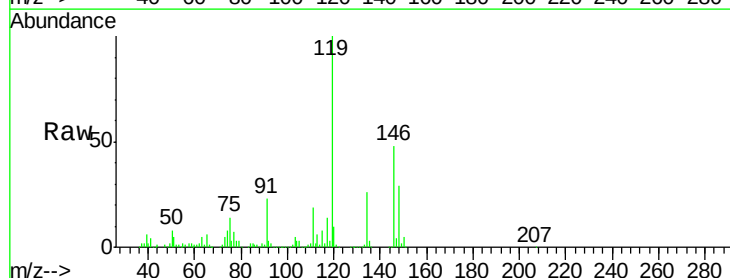
Tgt Ion:119 Resp: 304592

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

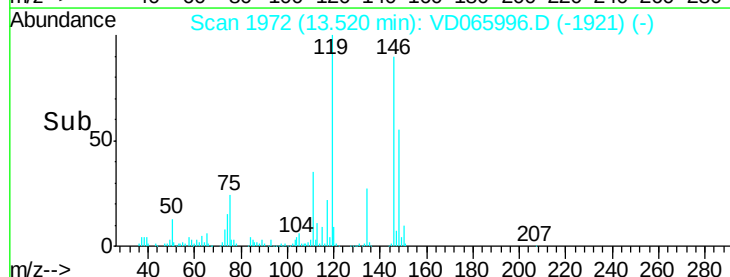
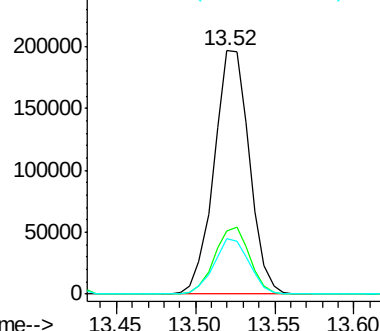
91 22.9 11.1 33.3

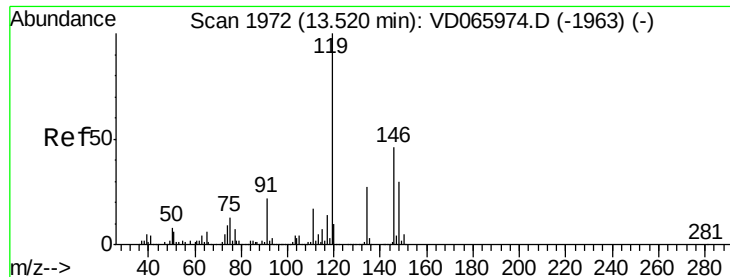


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.774 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

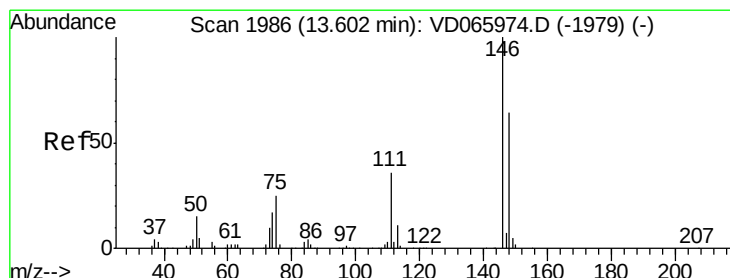
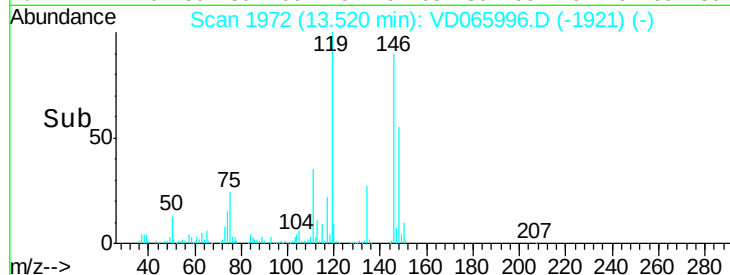
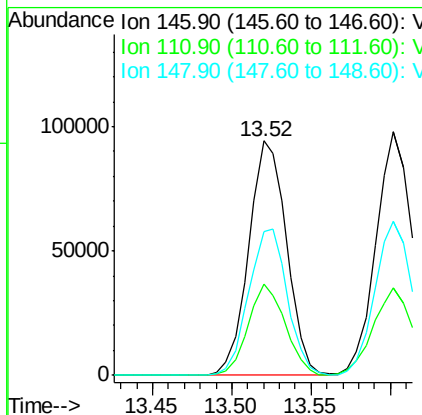
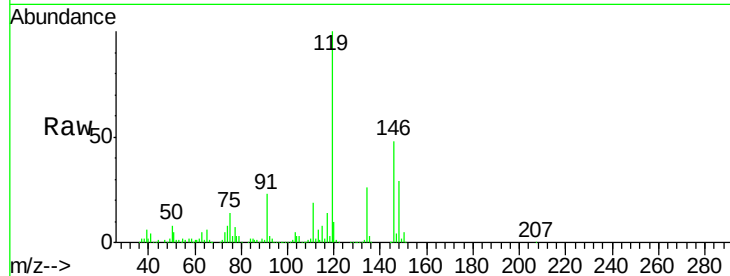
ClientSampleId :

VD0722SBS01

Tot Ion:	146	Resp:	156585
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.6
148	63.9	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.550 ug/l

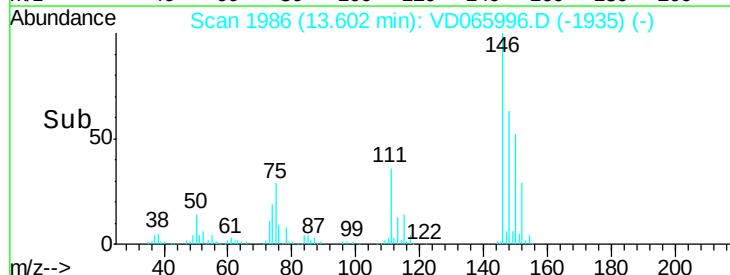
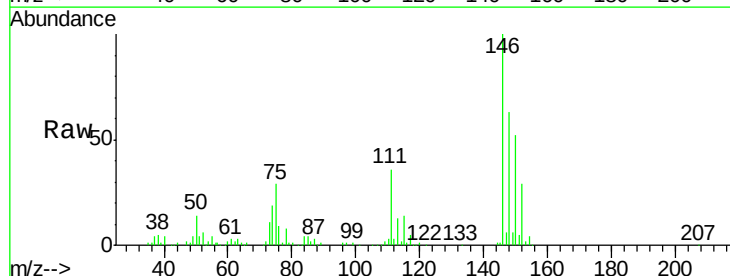
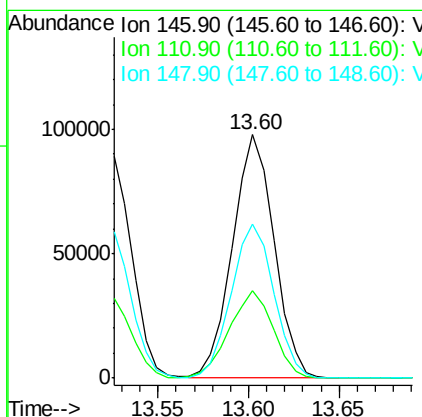
RT: 13.60 min Scan# 1986

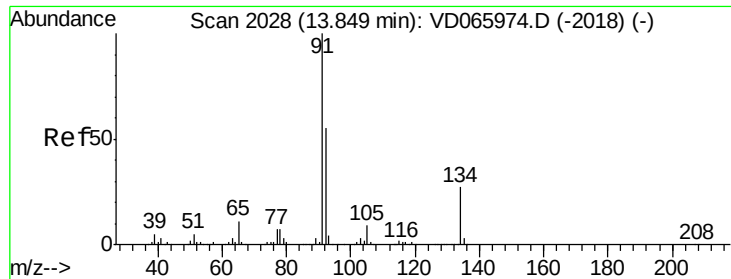
Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion:	146	Resp:	156742
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	64.7	32.2	96.6





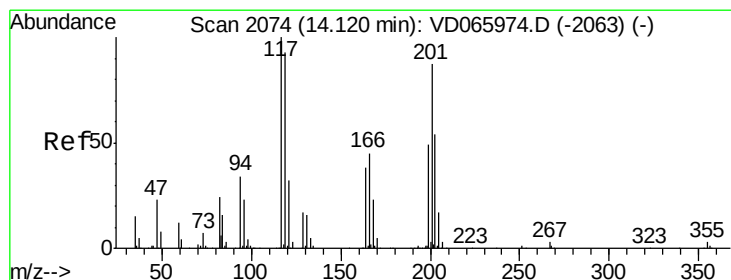
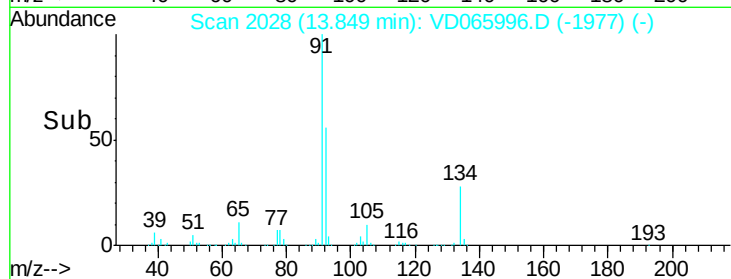
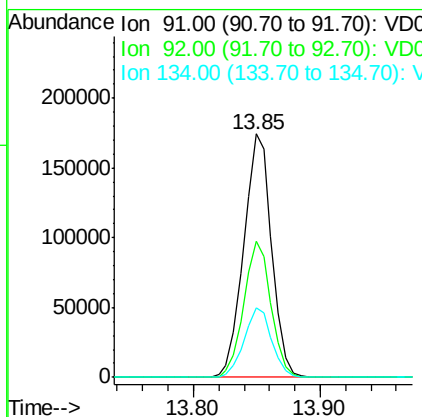
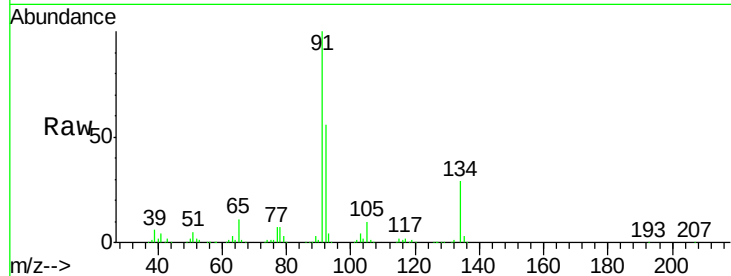
#89
n-Butylbenzene
Concen: 21.887 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.6
134	28.1	13.8	41.4

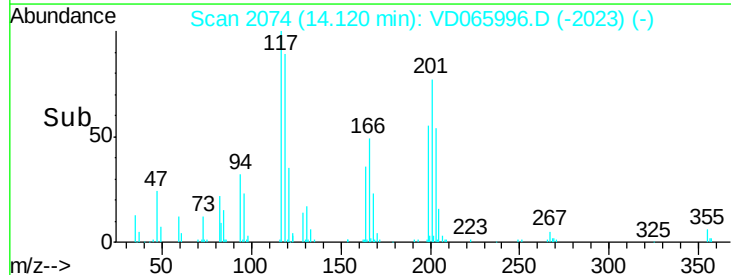
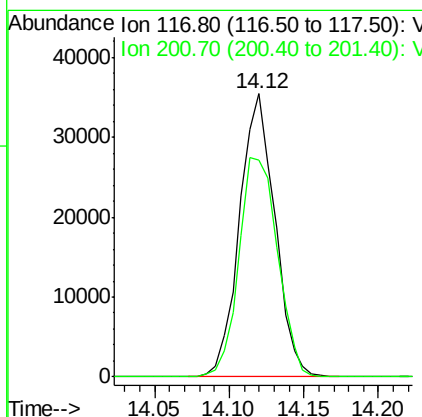
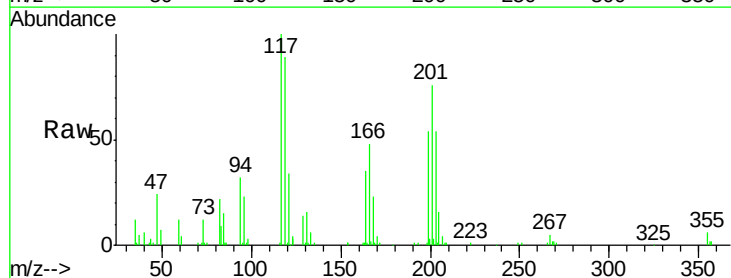
Manual Integrations
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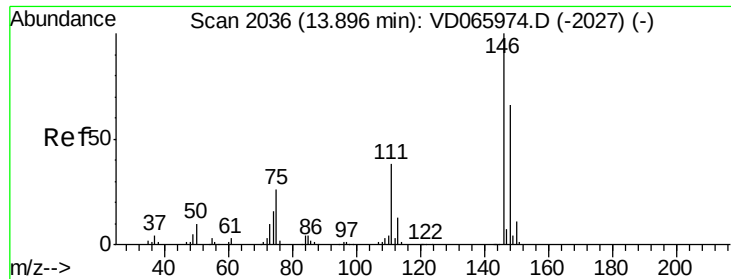
MMDadoda
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#90
Hexachloroethane
Concen: 21.515 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	42.0	126.1





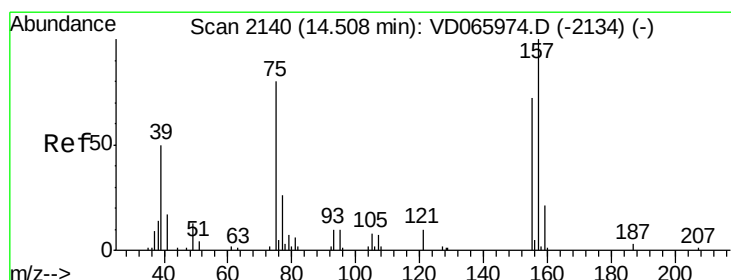
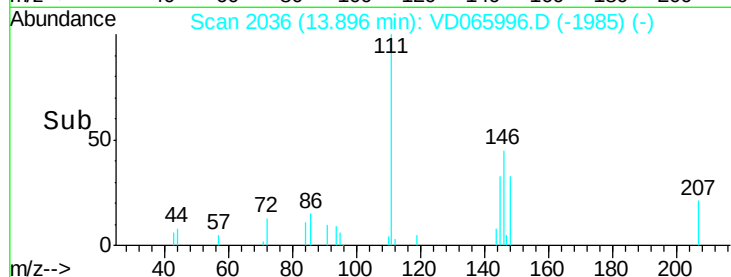
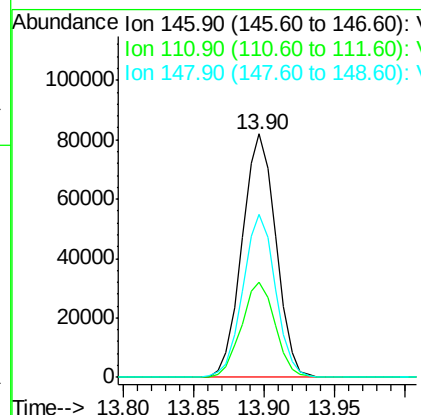
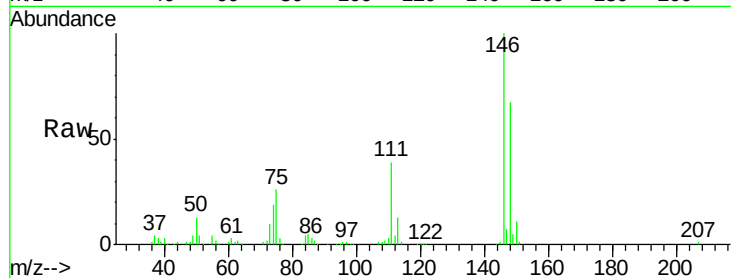
#91
 1,2-Dichlorobenzene
 Concen: 23.050 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137330		
111	38.8	19.3	57.9	
148	64.4	32.7	98.1	

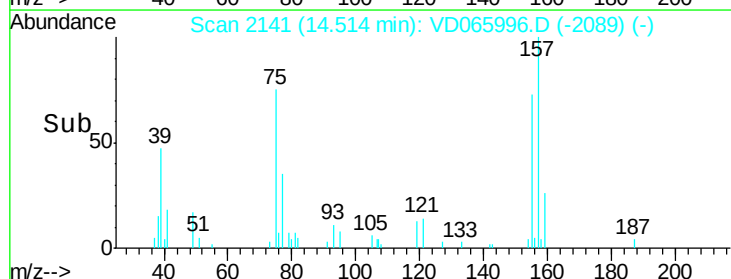
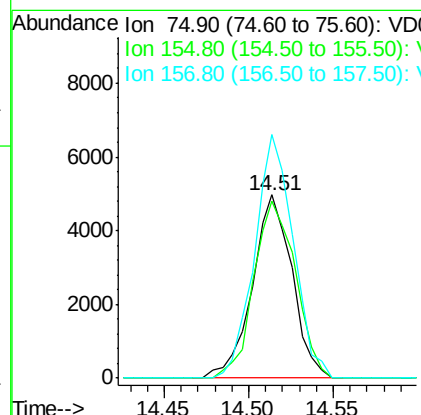
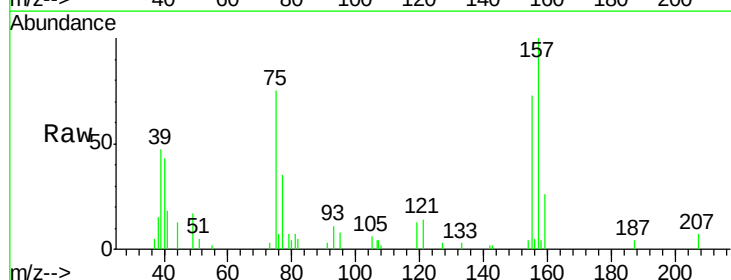
Manual Integrations
 APPROVED

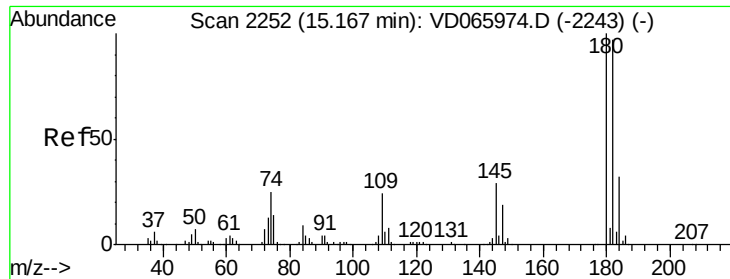
MMDadoda
 7/23/2020 2:14:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.704 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8126		
155	101.3	48.5	145.5	
157	129.2	64.7	194.1	





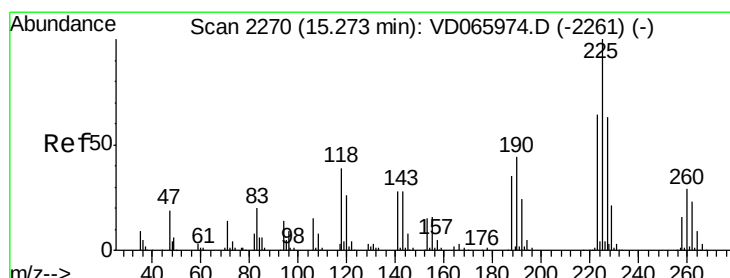
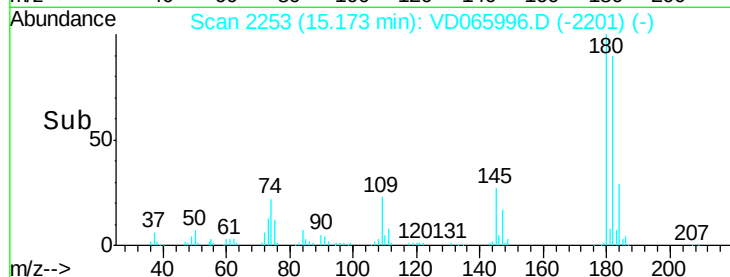
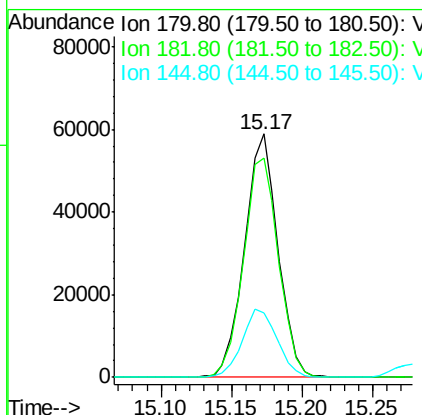
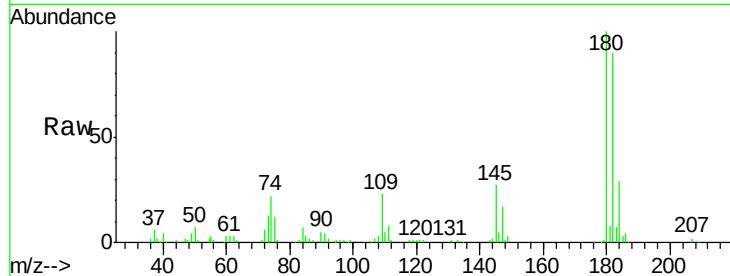
#93
 1,2,4-Trichlorobenzene
 Concen: 22.828 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	29.4	14.7	44.1

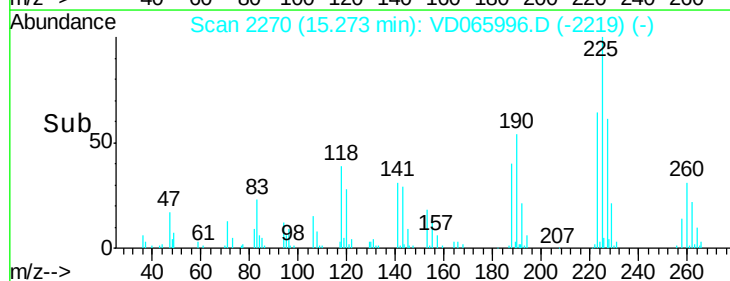
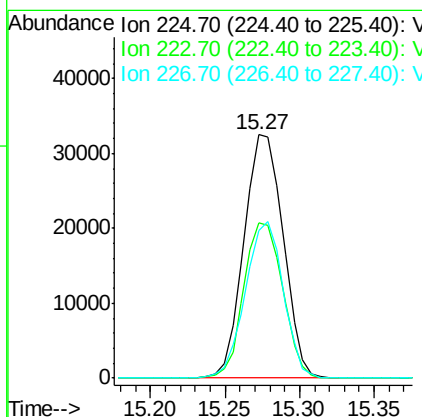
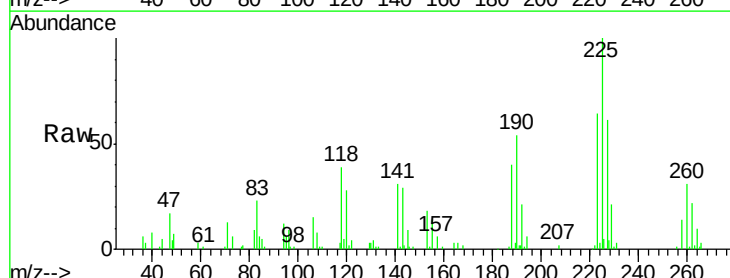
Manual Integrations
 APPROVED

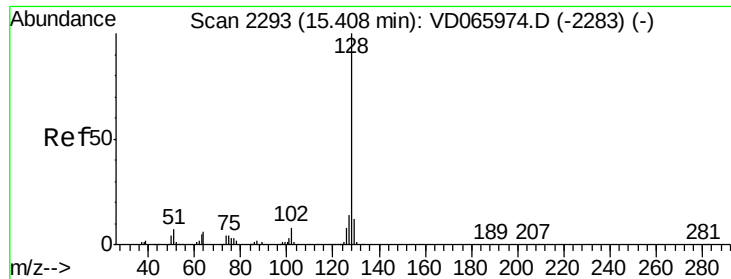
MMDadoda
 7/23/2020 2:14:35 PM



#94
 Hexachlorobutadiene
 Concen: 22.417 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.2	93.6
227	62.0	31.6	94.8





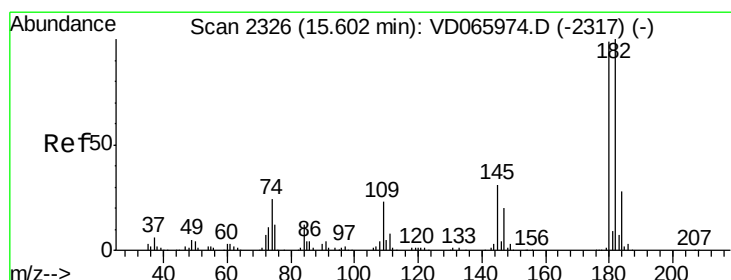
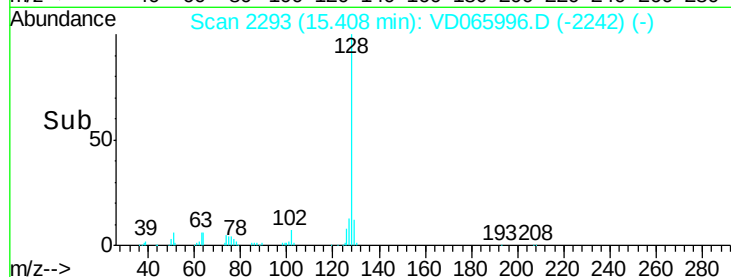
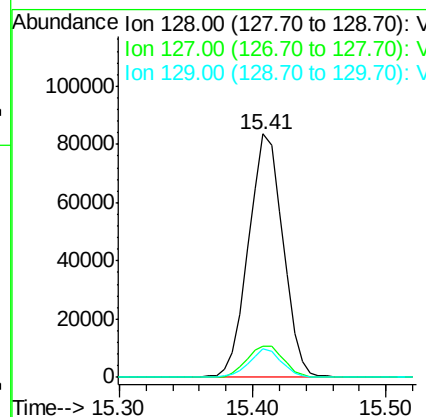
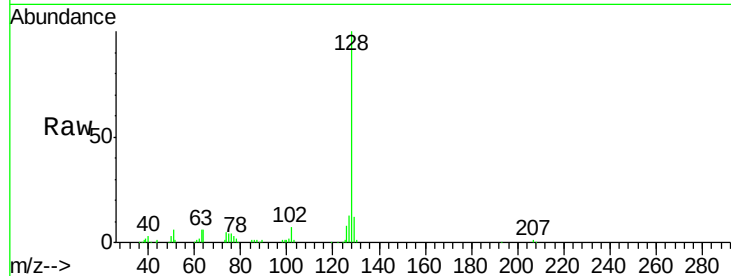
#95
Naphthalene
Concen: 21.708 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148661		
127	13.8		10.8	16.2
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/23/2020 2:14:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.823 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81135		
182	97.4		47.9	143.6
145	31.6		15.4	46.2

