

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065845.D
 Acq On : 22 Jun 2020 15:35
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 11:02:23 AM

Quant Time: Jun 23 07:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	184743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	300563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	277827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103654	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
35) Dibromofluoromethane	7.91	113	97584	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.34	98	383584	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.64	95	128581	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	31866	23.559	ug/l	95
3) Chloromethane	2.21	50	57994	25.176	ug/l	100
4) Vinyl Chloride	2.35	62	65642	24.083	ug/l	99
5) Bromomethane	2.76	94	47073	24.695	ug/l	92
6) Chloroethane	2.92	64	44437	24.112	ug/l	95
7) Trichlorofluoromethane	3.27	101	70878	22.952	ug/l	92
8) Diethyl Ether	3.70	74	19097	23.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42157	22.894	ug/l	95
10) Methyl Iodide	4.30	142	36906	20.582	ug/l	99
11) Tert butyl alcohol	5.20	59	16212	143.245	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	38812	23.126	ug/l	96
13) Acrolein	3.92	56	7873	76.783	ug/l	85
14) Allyl chloride	4.71	41	61626	22.217	ug/l	97
15) Acrylonitrile	5.42	53	43455	117.843	ug/l	97
16) Acetone	4.16	43	45030	130.768	ug/l	99
17) Carbon Disulfide	4.40	76	121583	21.584	ug/l	97
18) Methyl Acetate	4.72	43	20544	24.605	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	87715	23.074	ug/l	97
20) Methylene Chloride	4.96	84	54437	27.791	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	44570	22.676	ug/l	97
22) Diisopropyl ether	6.36	45	130246	23.239	ug/l	92
23) Vinyl Acetate	6.30	43	369802	116.844	ug/l	100
24) 1,1-Dichloroethane	6.26	63	77684	22.748	ug/l	99
25) 2-Butanone	7.21	43	57262	120.408	ug/l	99
26) 2,2-Dichloropropane	7.20	77	67333	22.237	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46734	22.104	ug/l	95
28) Bromochloromethane	7.54	49	29871	22.648	ug/l	99
29) Tetrahydrofuran	7.56	42	35959	119.637	ug/l	96
30) Chloroform	7.71	83	78892	22.288	ug/l	96
31) Cyclohexane	7.98	56	74057	22.621	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	71608	22.001	ug/l	96
36) 1,1-Dichloropropene	8.11	75	62271	21.628	ug/l	99
37) Ethyl Acetate	7.28	43	27206	23.989	ug/l	97
38) Carbon Tetrachloride	8.10	117	67173	22.169	ug/l	95

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jun 23 07:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71925	21.099	ug/l	96
40) Benzene	8.35	78	170534	21.666	ug/l	98
41) Methacrylonitrile	7.53	41	15130m	22.406	ug/l	
42) 1,2-Dichloroethane	8.43	62	52545	22.125	ug/l	99
43) Isopropyl Acetate	8.45	43	49113	21.778	ug/l	99
44) Trichloroethene	9.11	130	45523	20.782	ug/l	91
45) 1,2-Dichloropropane	9.38	63	42338	21.407	ug/l	98
46) Dibromomethane	9.48	93	23604	22.006	ug/l	95
47) Bromodichloromethane	9.66	83	61825	21.509	ug/l	100
48) Methyl methacrylate	9.46	41	25533	23.391	ug/l	98
49) 1,4-Dioxane	9.47	88	5790	507.143	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	126075	114.091	ug/l	98
52) Toluene	10.40	92	113264	22.146	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	57493	22.089	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	68395	22.249	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	32093	22.392	ug/l	98
56) Ethyl methacrylate	10.66	69	36628	21.728	ug/l	92
57) 1,3-Dichloropropane	10.95	76	54476	21.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89619	114.349	ug/l	99
59) 2-Hexanone	10.98	43	88917	119.351	ug/l	99
60) Dibromochloromethane	11.14	129	41662	21.518	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31158	22.121	ug/l	98
64) Tetrachloroethene	10.88	164	38864	20.687	ug/l	97
65) Chlorobenzene	11.67	112	116084	21.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	43522	21.527	ug/l	99
67) Ethyl Benzene	11.75	91	210511	21.726	ug/l	99
68) m/p-Xylenes	11.86	106	159506	42.738	ug/l	98
69) o-Xylene	12.18	106	74143	22.033	ug/l	98
70) Styrene	12.20	104	126961	21.795	ug/l	99
71) Bromoform	12.36	173	24298	21.825	ug/l #	99
73) Isopropylbenzene	12.48	105	200358	21.136	ug/l	99
74) N-amyl acetate	12.29	43	46602	22.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35663	22.277	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	19785m	17.994	ug/l	
77) Bromobenzene	12.76	156	47740	21.286	ug/l	96
78) n-propylbenzene	12.83	91	246005	21.560	ug/l	99
79) 2-Chlorotoluene	12.91	91	134966	21.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	169510	21.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10821	21.263	ug/l	95
82) 4-Chlorotoluene	13.01	91	143355	21.336	ug/l	99
83) tert-Butylbenzene	13.23	119	148037	21.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169479	21.465	ug/l	98
85) sec-Butylbenzene	13.41	105	204045	21.421	ug/l	99
86) p-Isopropyltoluene	13.52	119	188902	21.637	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94474	21.363	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	93321	21.214	ug/l	97
89) n-Butylbenzene	13.85	91	178401	21.425	ug/l	99
90) Hexachloroethane	14.11	117	37348	21.371	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	80977	21.277	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5946	22.318	ug/l	92

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MSVOA_D
ClientSampleId :
VD0622SBS01

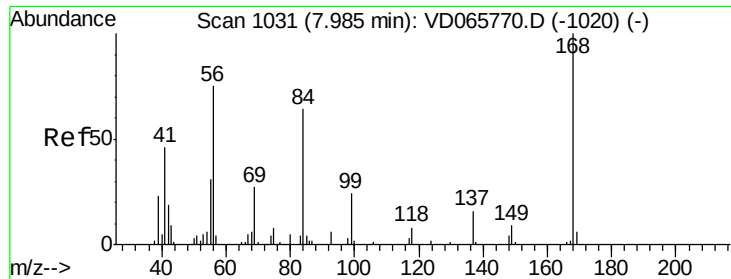
Manual Integrations
APPROVED

MMDadoda
6/23/2020 11:02:23 AM

Quant Time: Jun 23 07:03:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53625	20.723	ug/l	100
94) Hexachlorobutadiene	15.28	225	29376	18.779	ug/l	96
95) Naphthalene	15.41	128	91937	20.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	46370	20.806	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:168 Resp: 184743

Ion Ratio Lower Upper

168 100

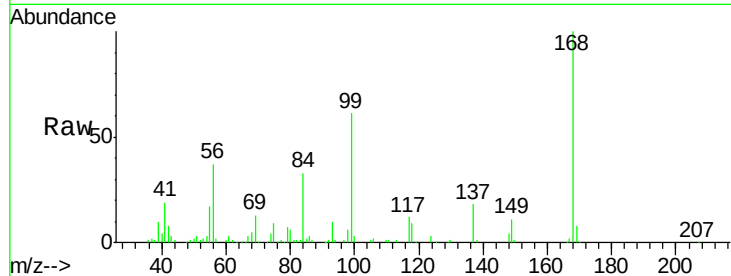
99 61.1 45.3 67.9

Manual Integrations

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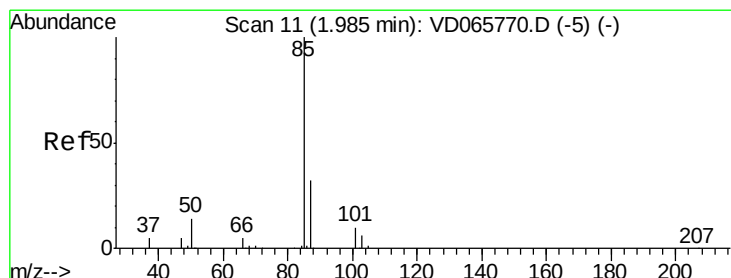
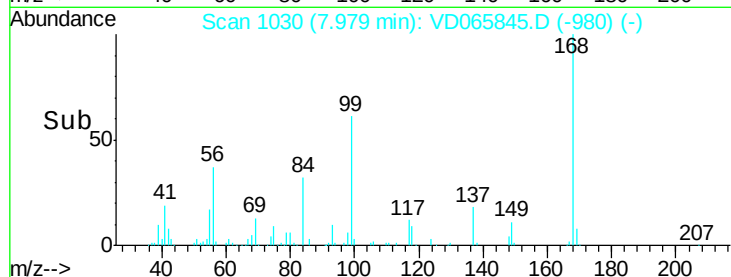
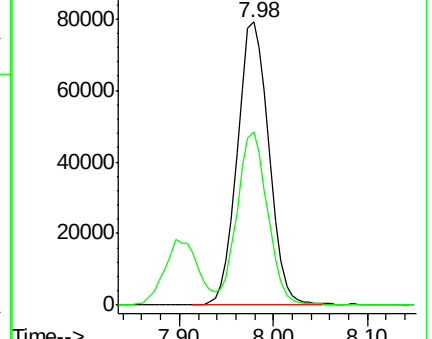
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.559 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065845.D

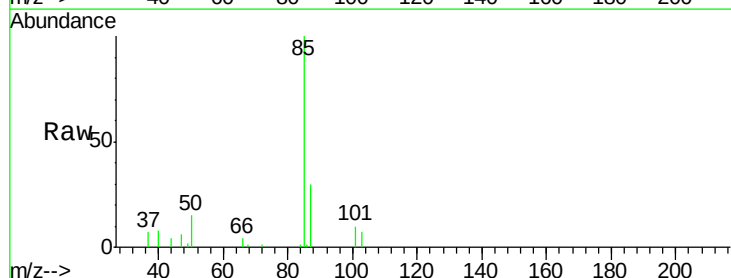
Acq: 22 Jun 2020 15:35

Tgt Ion: 85 Resp: 31866

Ion Ratio Lower Upper

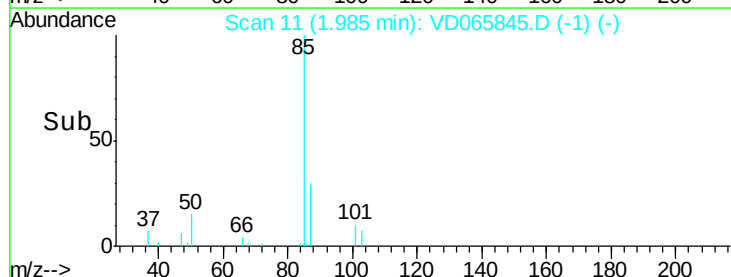
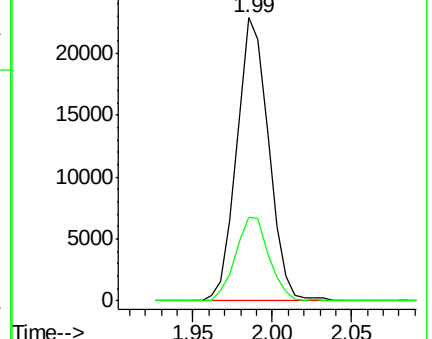
85 100

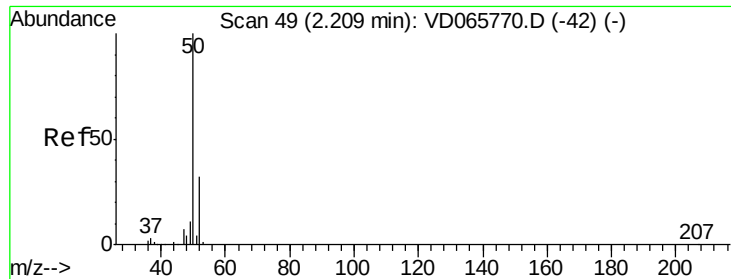
87 29.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.176 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 50 Resp: 57994

Ion Ratio Lower Upper

50 100

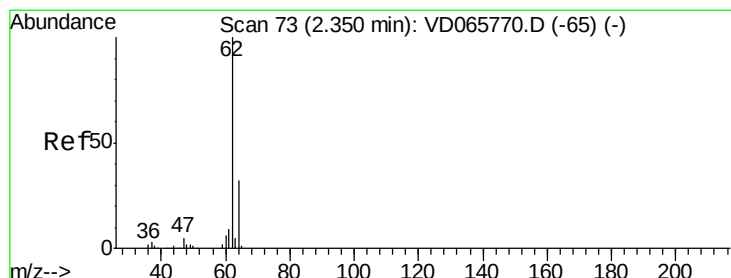
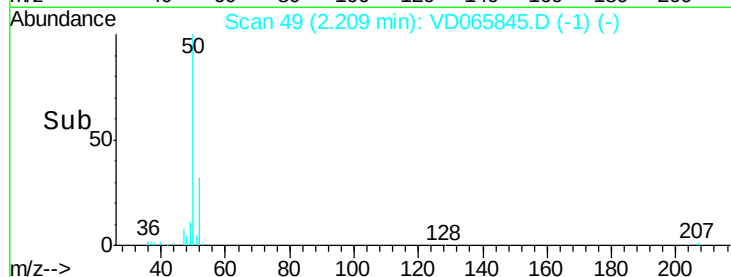
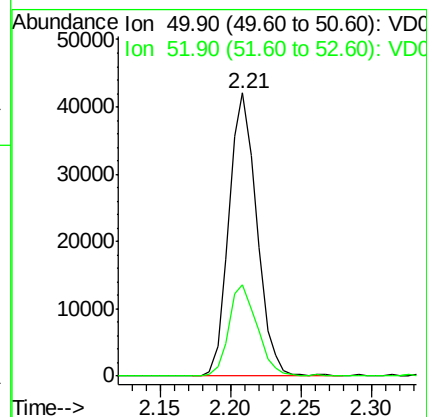
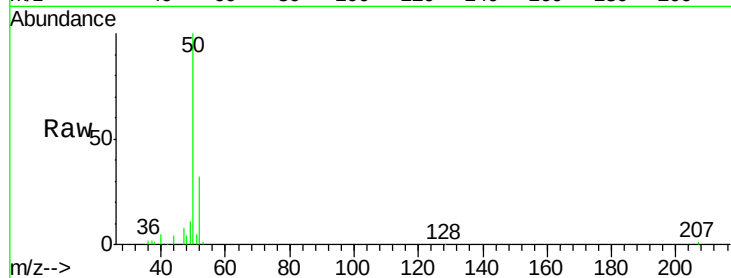
52 32.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.083 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065845.D

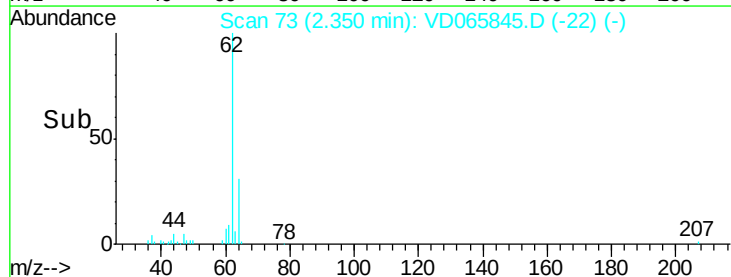
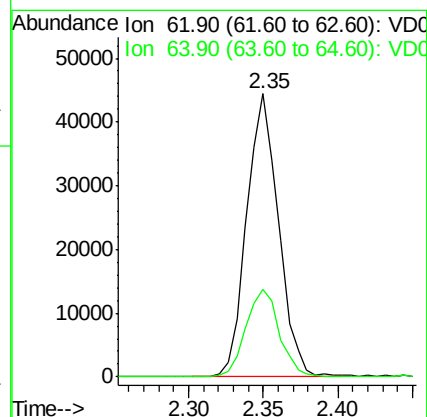
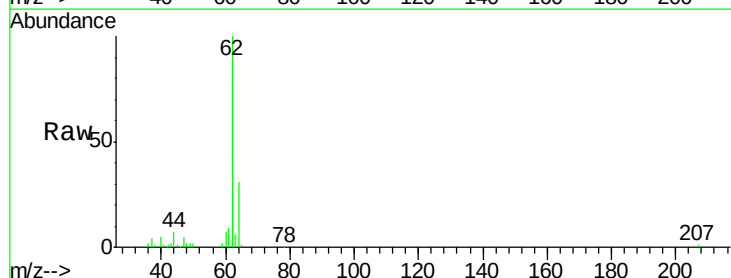
Acq: 22 Jun 2020 15:35

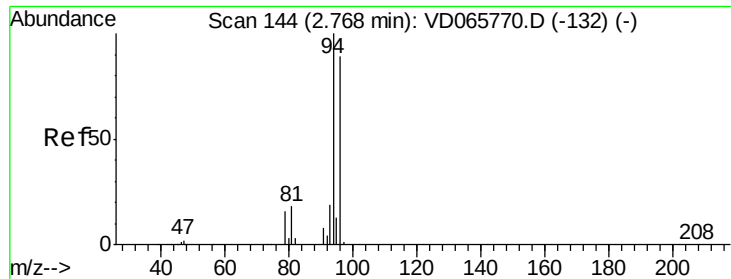
Tgt Ion: 62 Resp: 65642

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 24.695 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 94 Resp: 47073

Ion Ratio Lower Upper

94 100

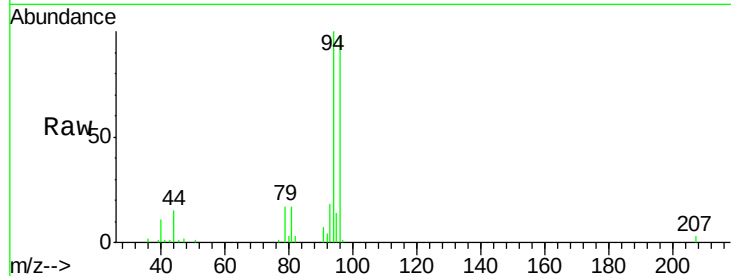
96 97.0 71.4 107.0

Manual Integrations

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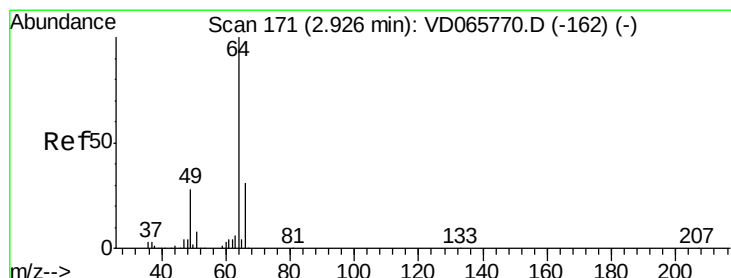
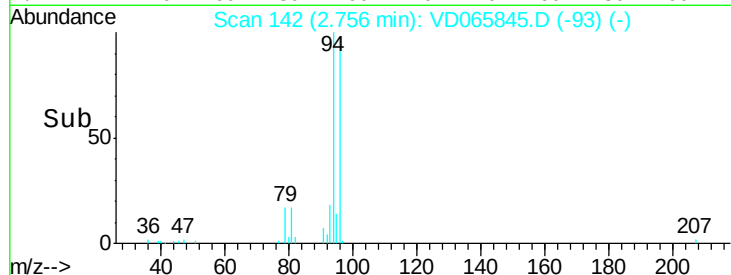
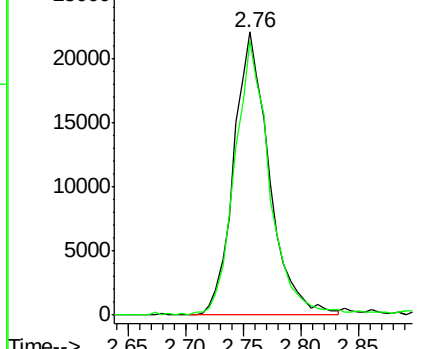
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.112 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065845.D

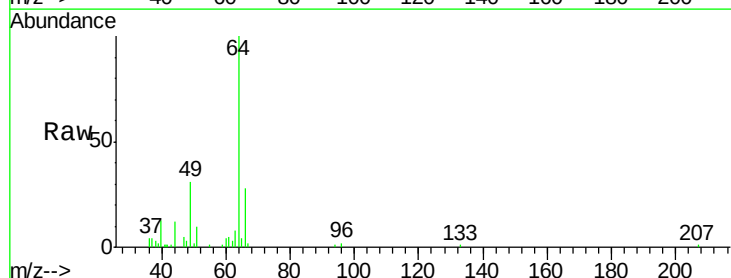
Acq: 22 Jun 2020 15:35

Tgt Ion: 64 Resp: 44437

Ion Ratio Lower Upper

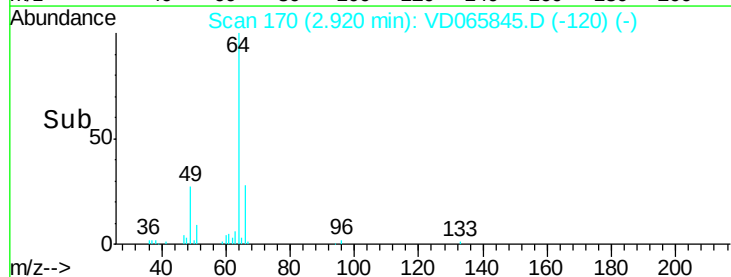
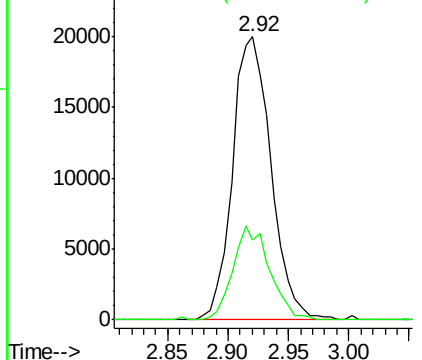
64 100

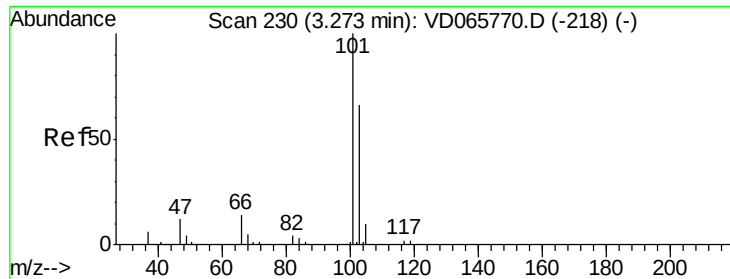
66 28.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

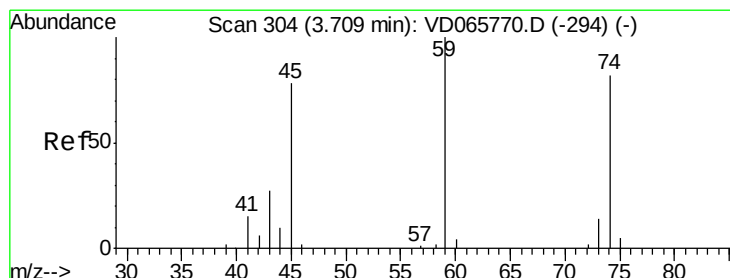
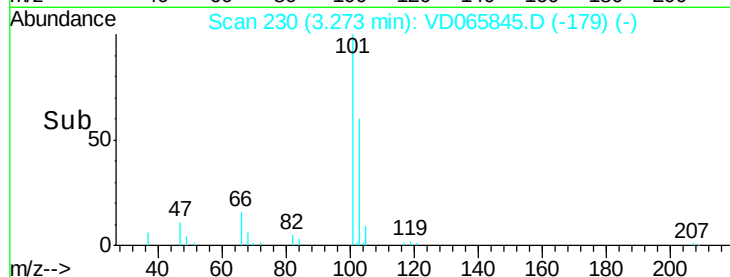
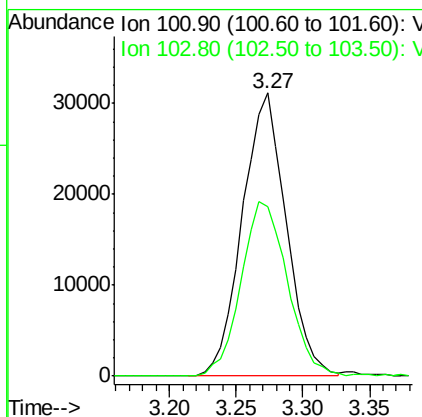
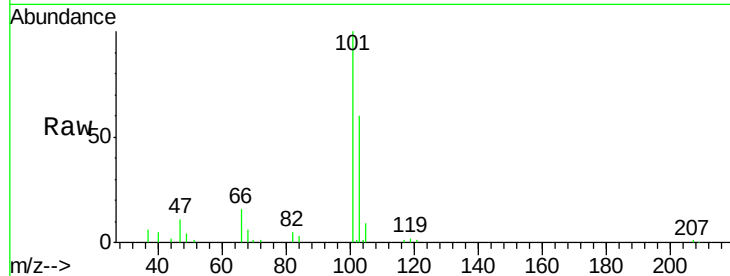
Trichlorofluoromethane
Concen: 22.952 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
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ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	53.1	79.7

Manual Integrations
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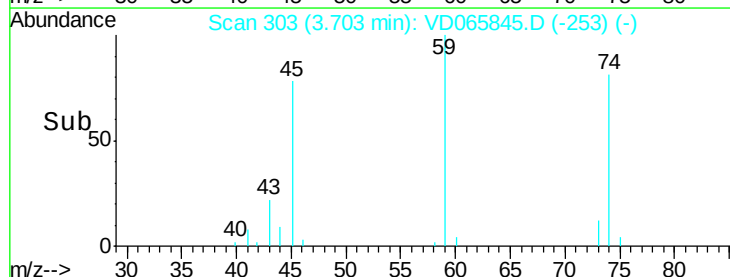
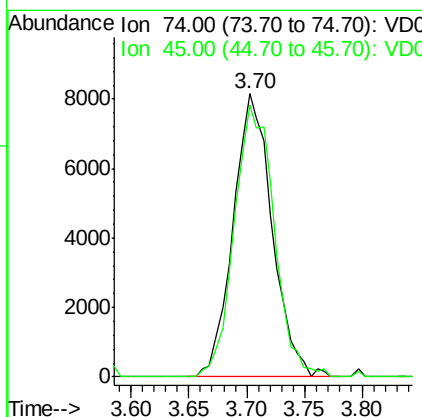
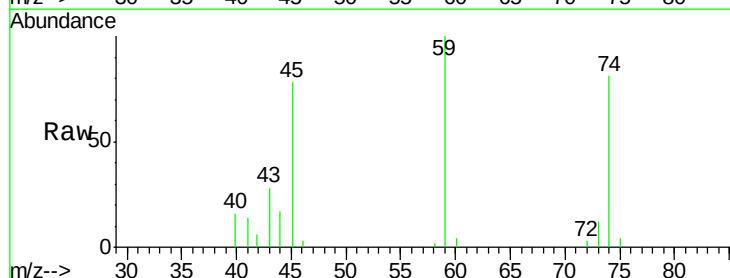
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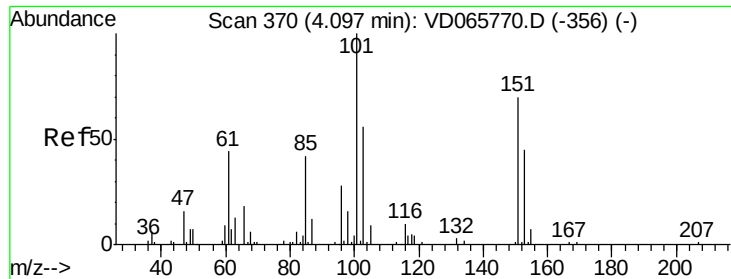


#8

Diethyl Ether
Concen: 23.521 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.894 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

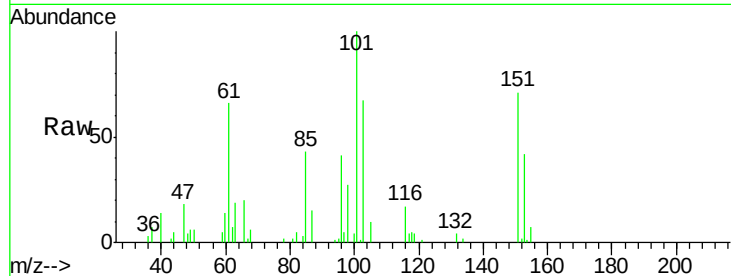
ClientSampleId :

VD0622SBS01

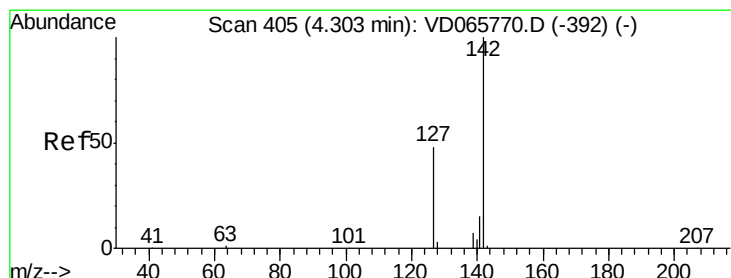
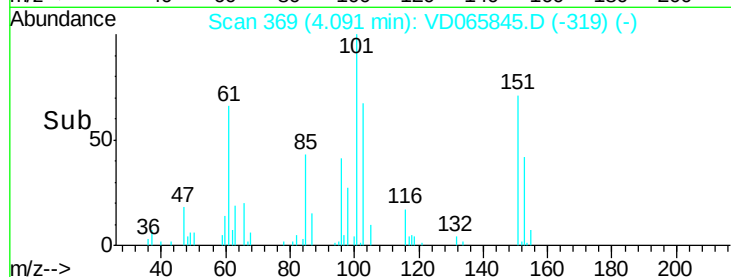
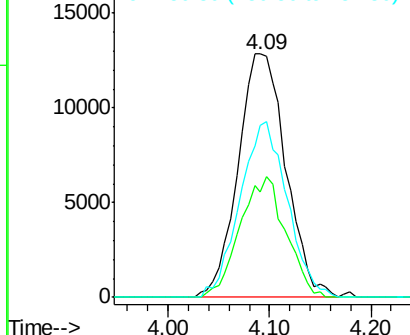
Tot Ion:	101	Resp:	42157
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.5	54.7
151	71.2	61.8	92.6

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



#10

Methyl Iodide

Concen: 20.582 ug/l

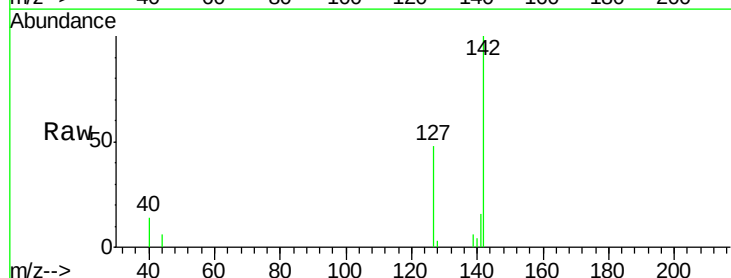
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

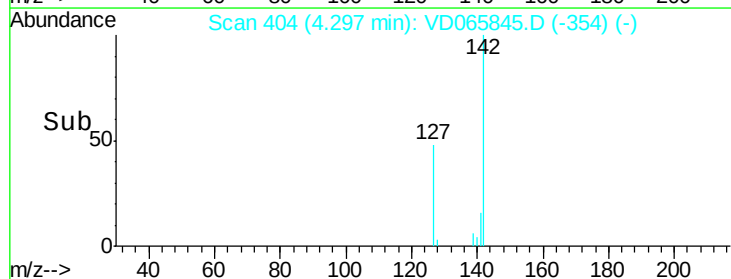
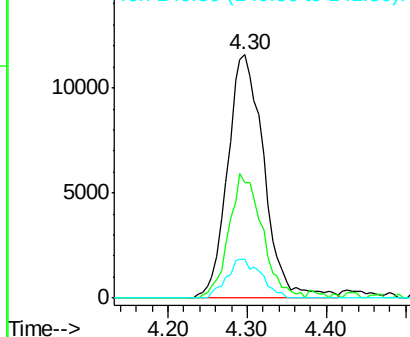
Lab File: VD065845.D

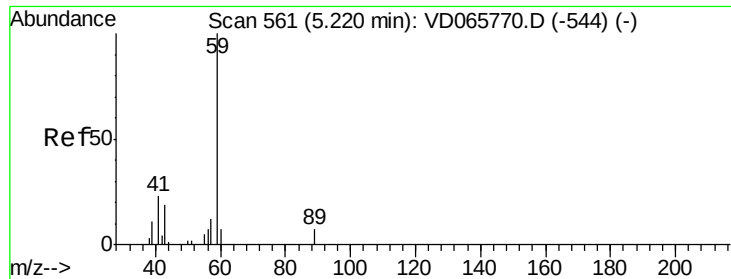
Acq: 22 Jun 2020 15:35

Tgt Ion:	142	Resp:	36906
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.6	56.4
141	14.9	12.1	18.1



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





#11

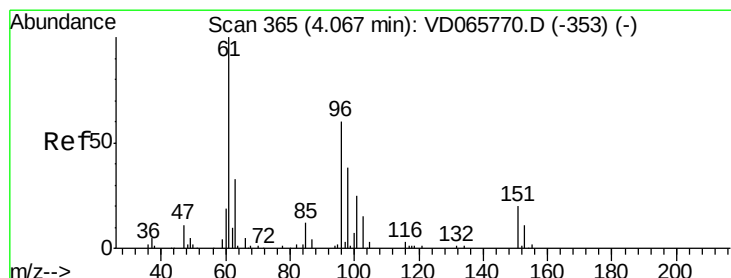
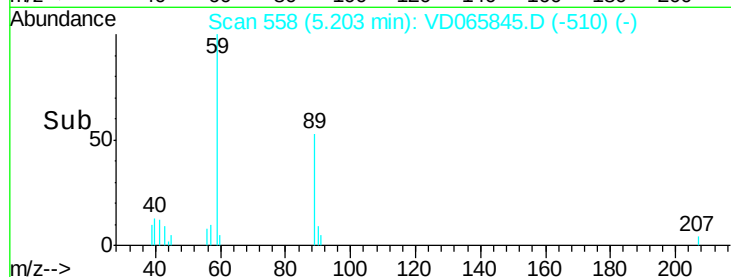
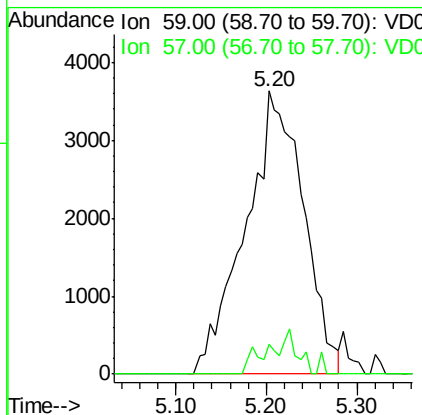
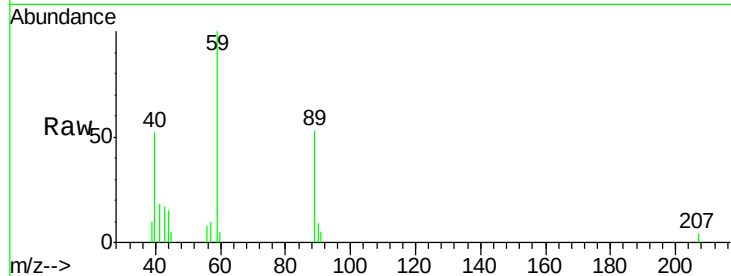
Tert butyl alcohol
Concen: 143.245 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

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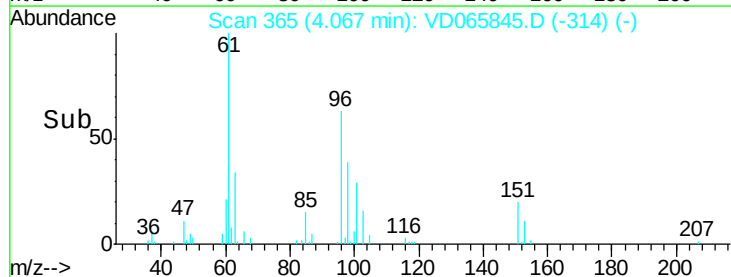
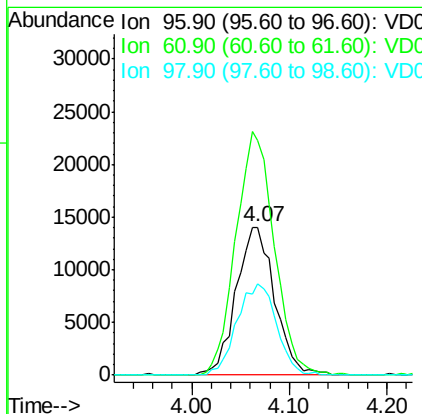
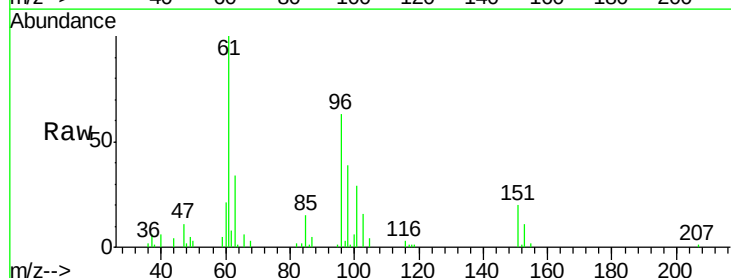
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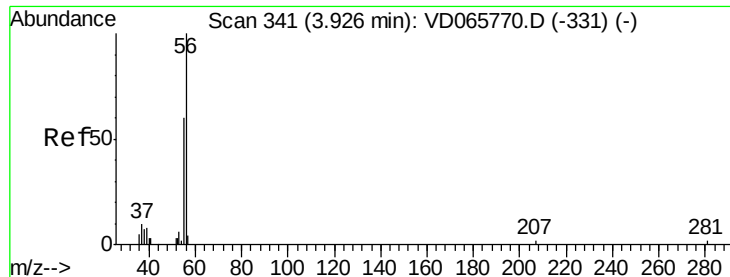


#12

1,1-Dichloroethene
Concen: 23.126 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	132.3	198.5
98	61.7	50.7	76.1





#13

Acrolein

Concen: 76.783 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 56 Resp: 7873

Ion Ratio Lower Upper

56 100

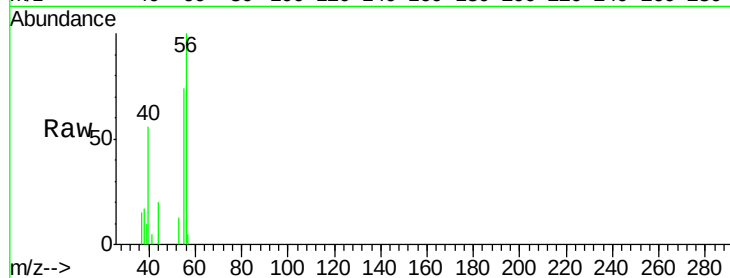
55 80.8 54.8 82.2

Manual Integrations

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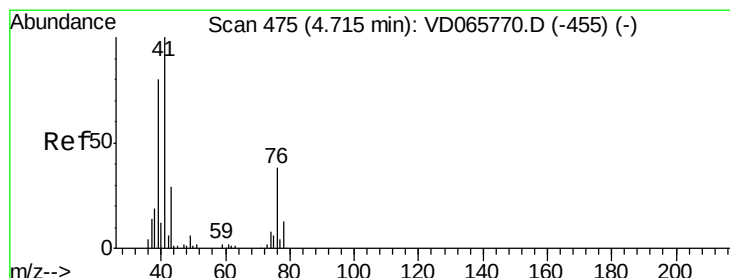
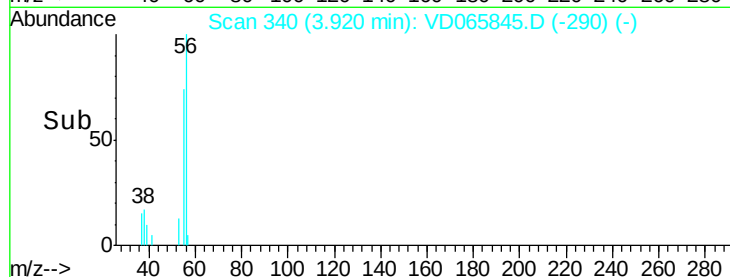
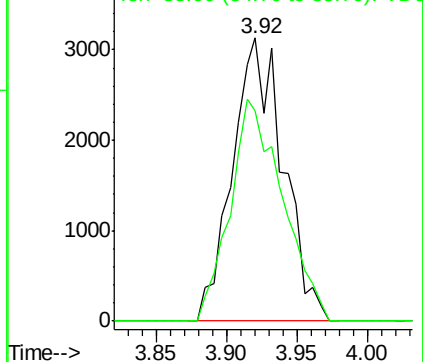
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.217 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

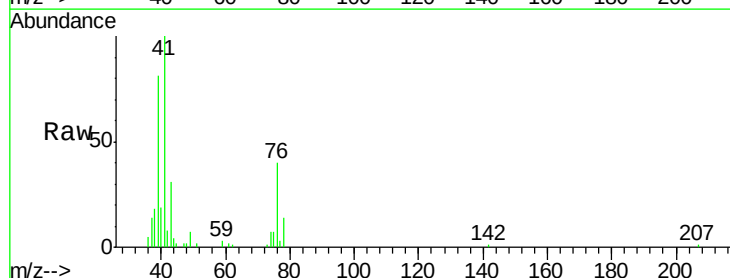
Tgt Ion: 41 Resp: 61626

Ion Ratio Lower Upper

41 100

39 78.9 60.9 91.3

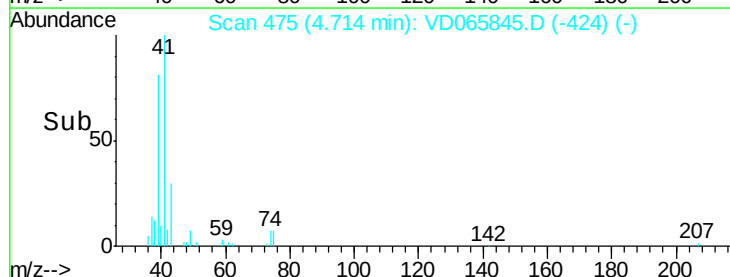
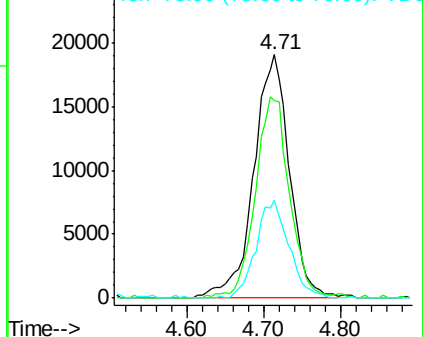
76 37.0 28.9 43.3

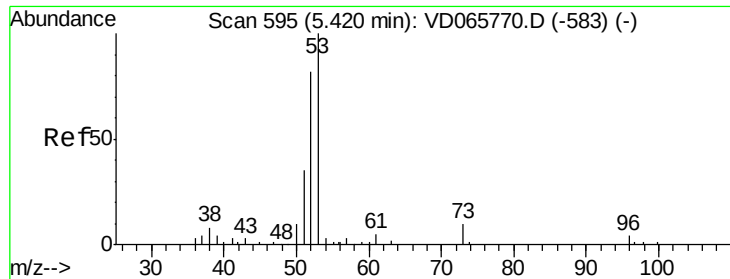


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 117.843 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

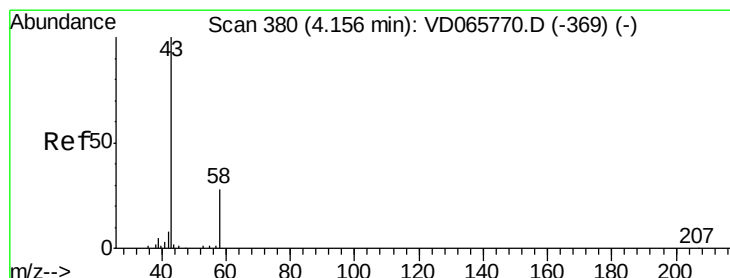
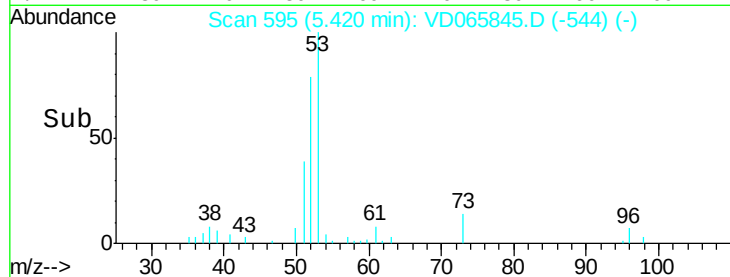
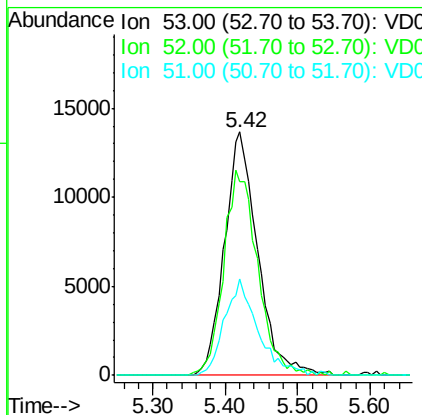
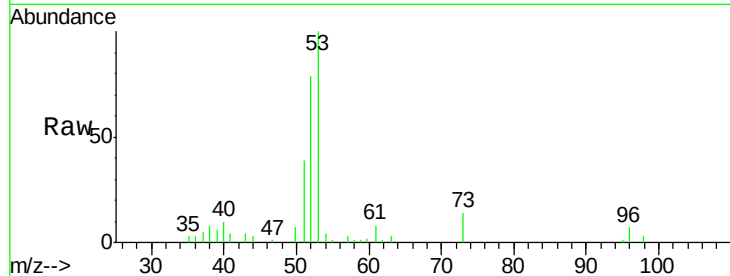
ClientSampleId :

VD0622SBS01

Tot Ion:	53	Resp:	43455
Ion	Ratio	Lower	Upper
53	100		
52	85.9	66.2	99.2
51	39.7	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 130.768 ug/l

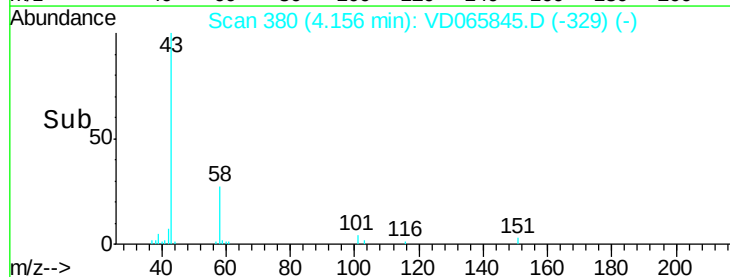
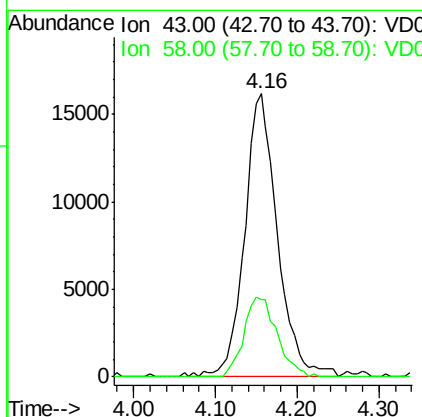
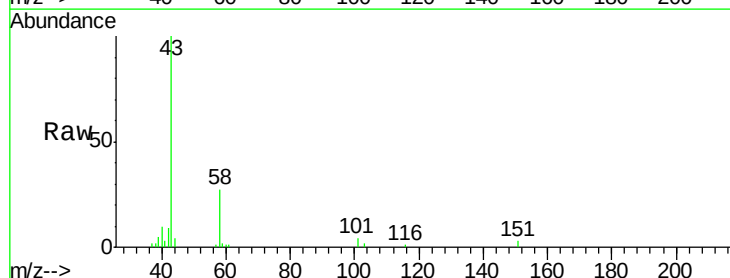
RT: 4.16 min Scan# 380

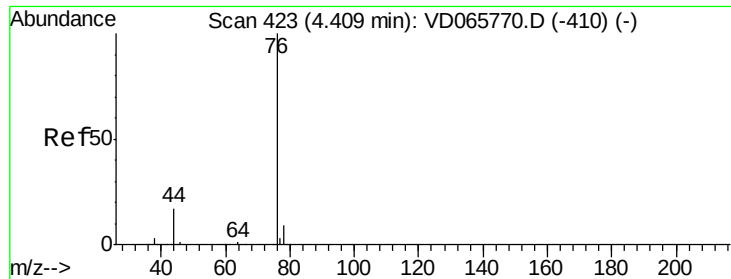
Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:	43	Resp:	45030
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.3	33.5





#17

Carbon Disulfide

Concen: 21.584 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 76 Resp: 121583

Ion Ratio Lower Upper

76 100

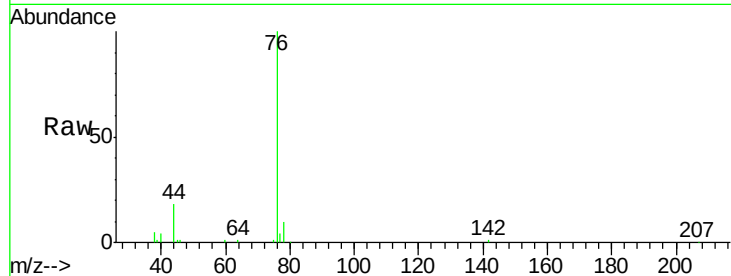
78 10.1 7.1 10.7

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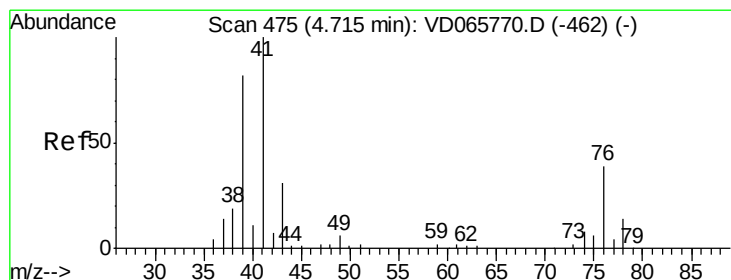
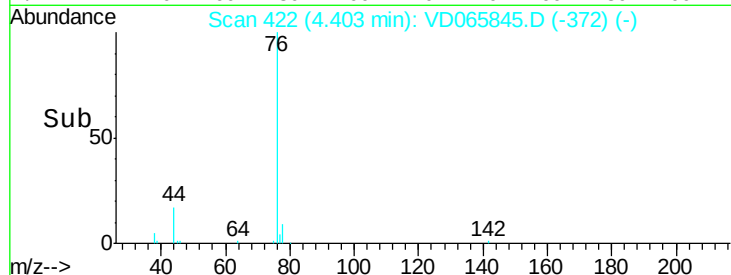
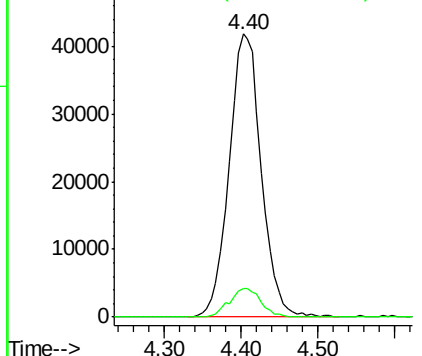
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.605 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065845.D

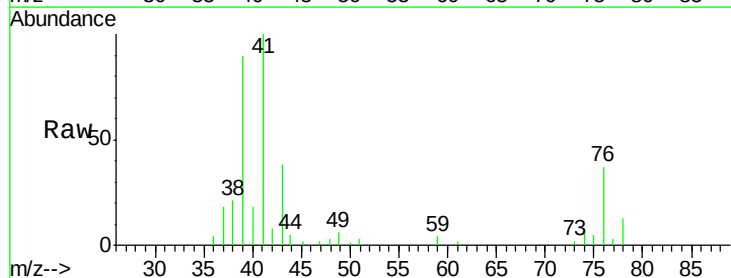
Acq: 22 Jun 2020 15:35

Tgt Ion: 43 Resp: 20544

Ion Ratio Lower Upper

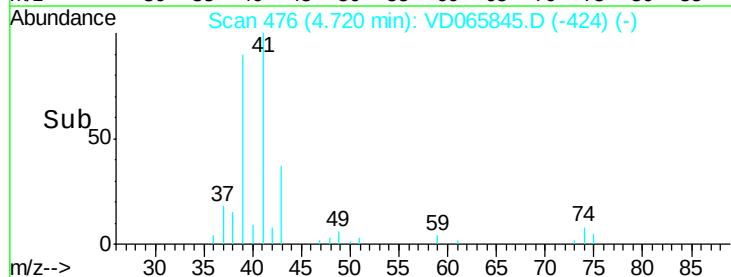
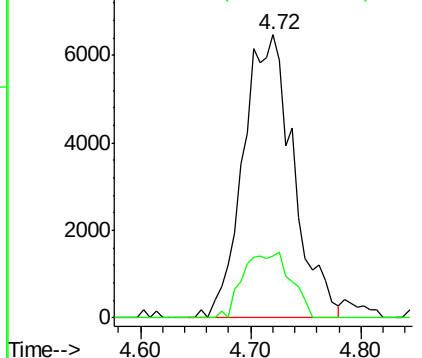
43 100

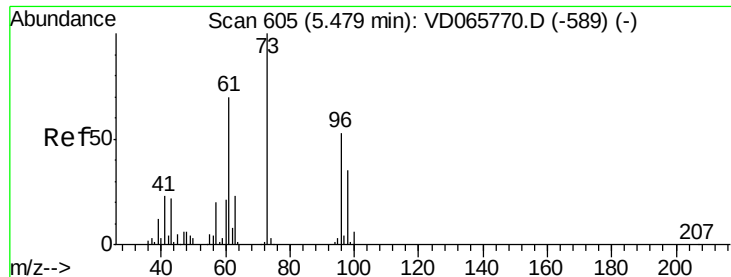
74 22.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





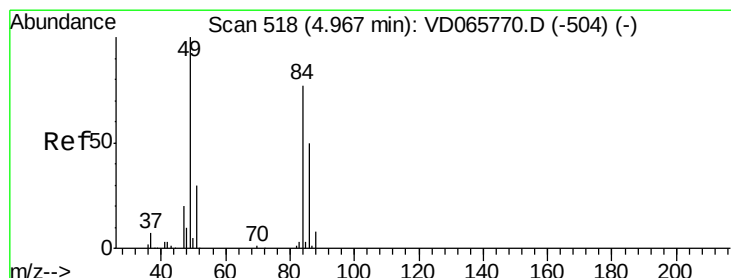
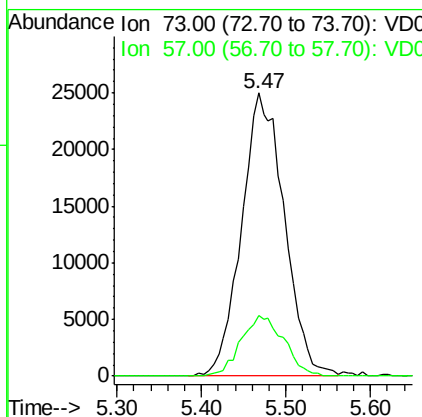
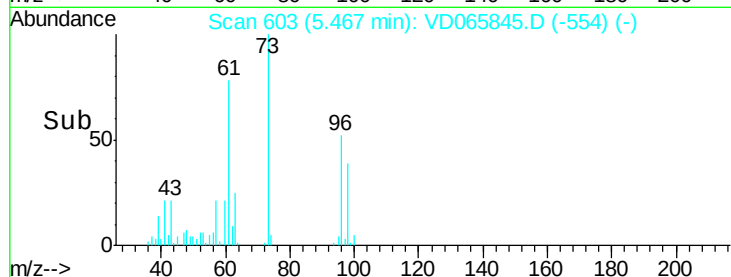
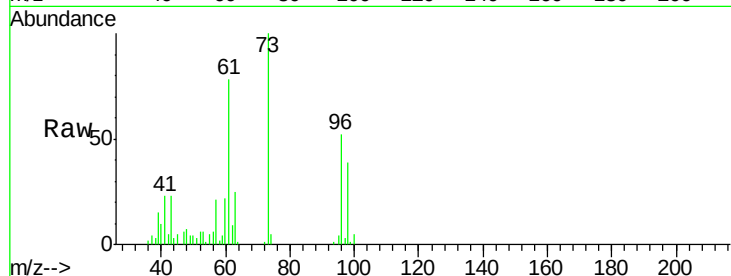
#19
Methyl tert-butyl Ether
Concen: 23.074 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 73 Resp: 87715
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.2

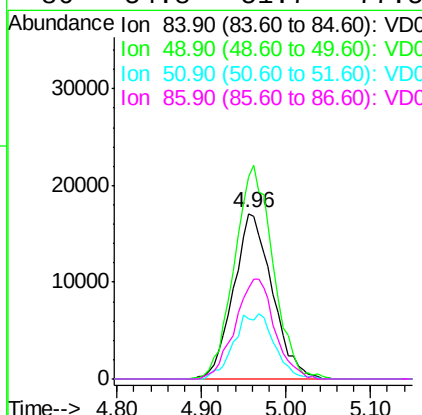
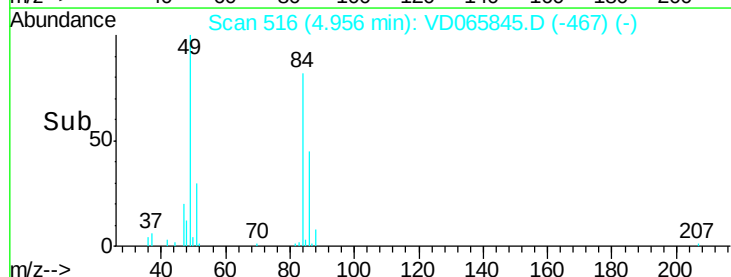
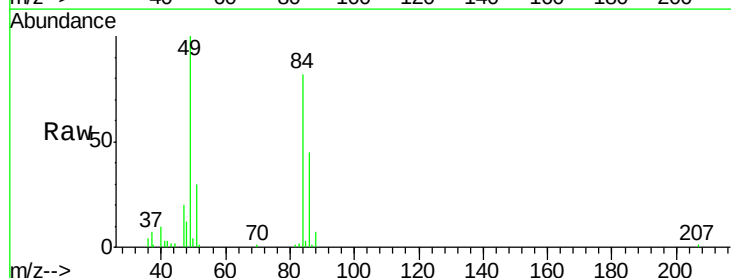
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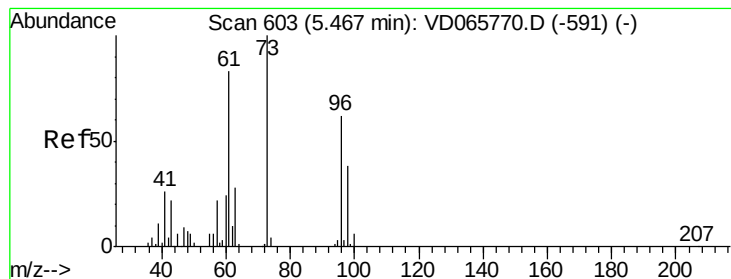
MMDadoda
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#20
Methylene Chloride
Concen: 27.791 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 84 Resp: 54437
Ion Ratio Lower Upper
84 100
49 122.6 103.4 155.0
51 36.7 31.4 47.2
86 54.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.676 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

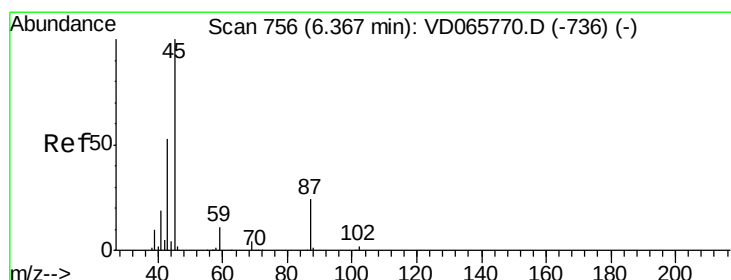
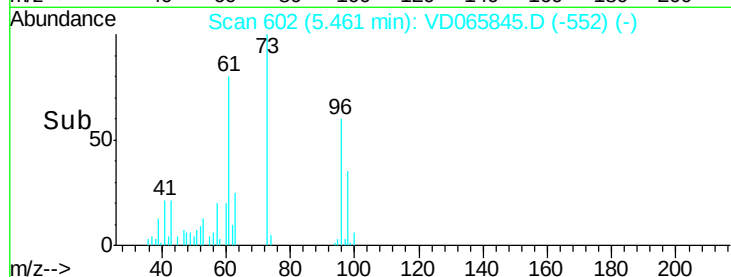
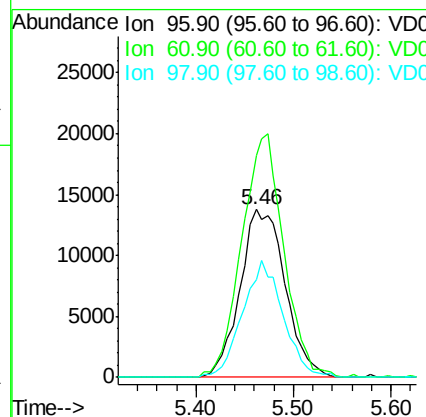
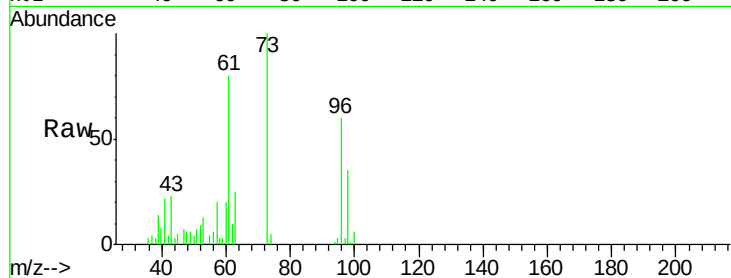
ClientSampleId :

VD0622SBS01

Tot Ion:	96	Resp:	44570
Ion	Ratio	Lower	Upper
96	100		
61	132.5	107.7	161.5
98	58.3	49.3	73.9

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#22

Diisopropyl ether

Concen: 23.239 ug/l

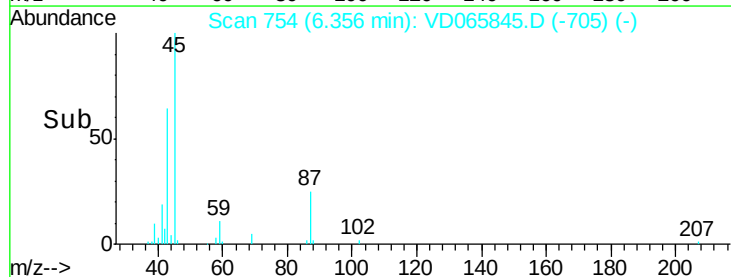
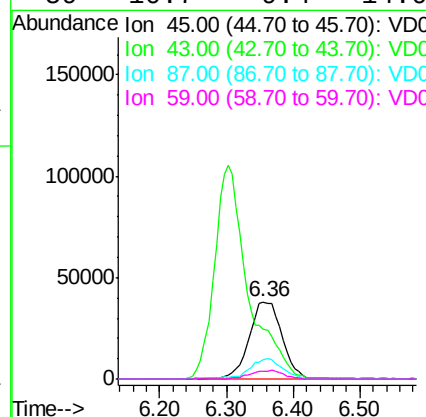
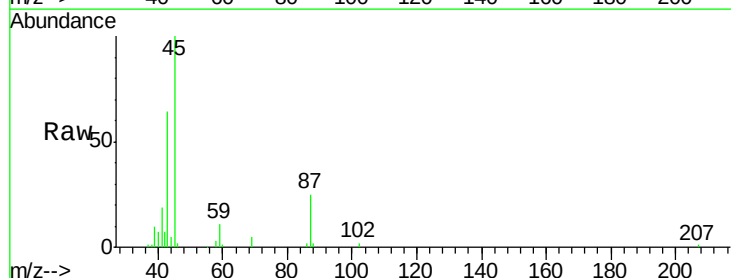
RT: 6.36 min Scan# 754

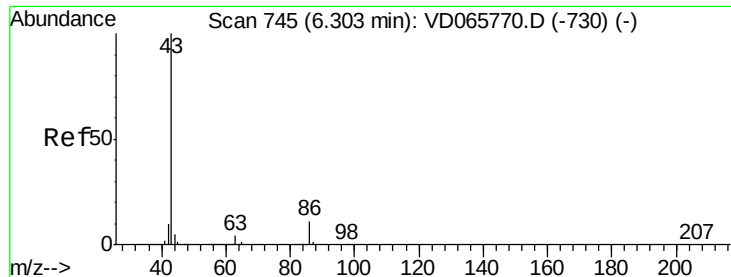
Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:	45	Resp:	130246
Ion	Ratio	Lower	Upper
45	100		
43	63.1	43.4	65.0
87	24.8	20.2	30.4
59	10.7	9.4	14.0





#23

Vinyl Acetate

Concen: 116.844 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 369802

Ion Ratio Lower Upper

43 100

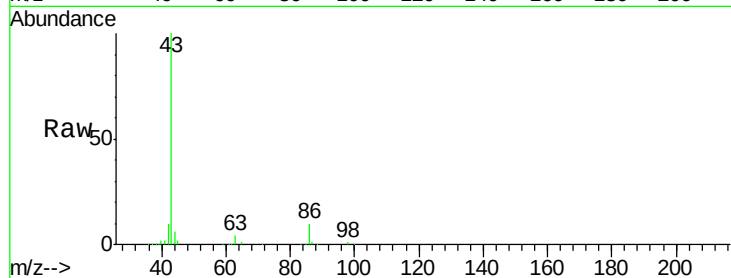
86 10.4 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

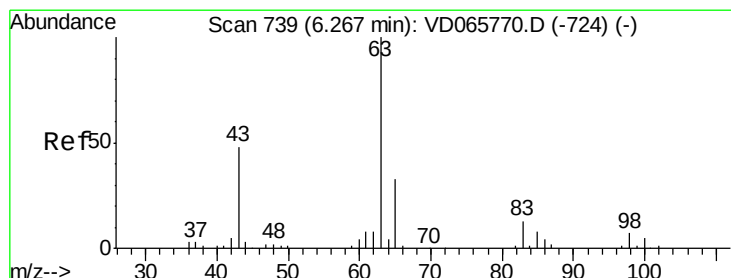
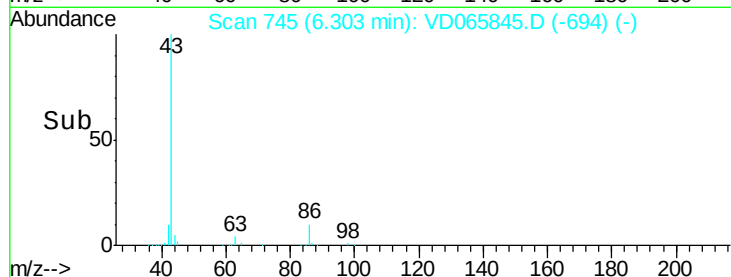
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.748 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

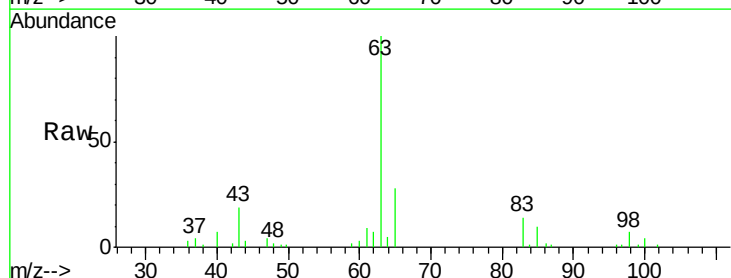
Tgt Ion: 63 Resp: 77684

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.0 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

30000

25000

20000

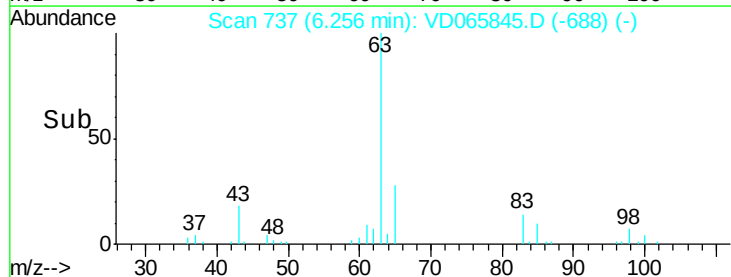
15000

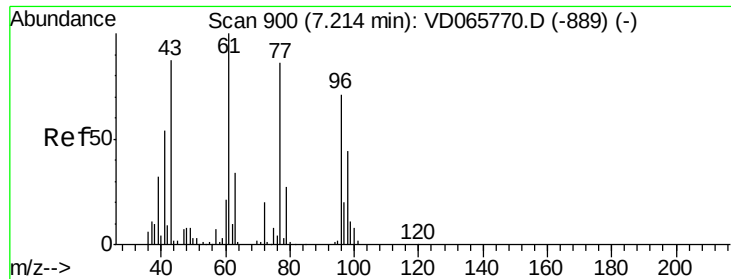
10000

5000

0

Time-->





#25

2-Butanone

Concen: 120.408 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 57262

Ion Ratio Lower Upper

43 100

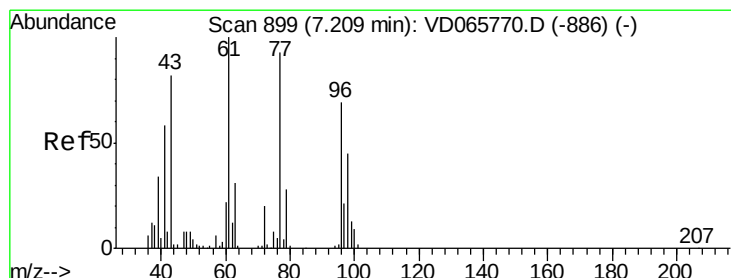
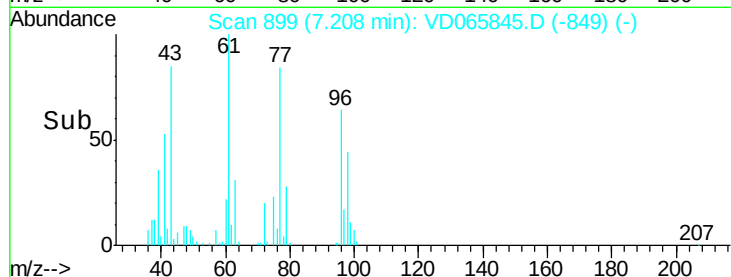
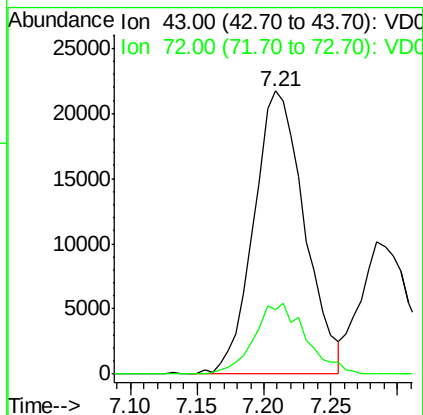
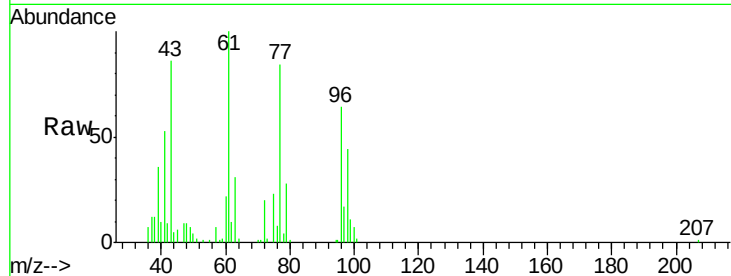
72 22.8 18.5 27.7

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#26

2,2-Dichloropropane

Concen: 22.237 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065845.D

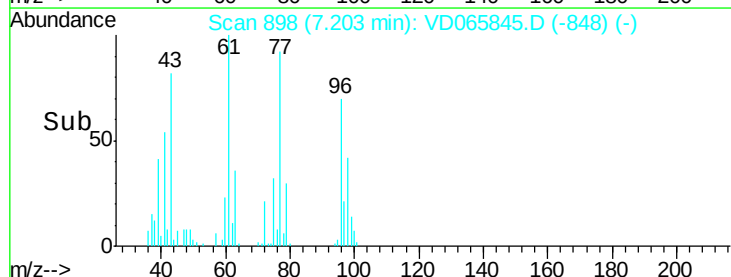
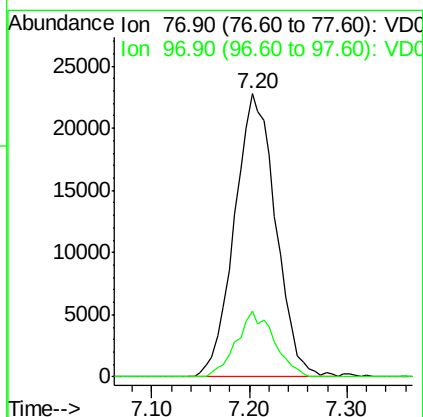
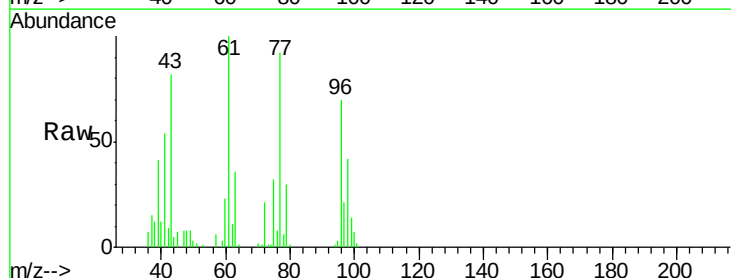
Acq: 22 Jun 2020 15:35

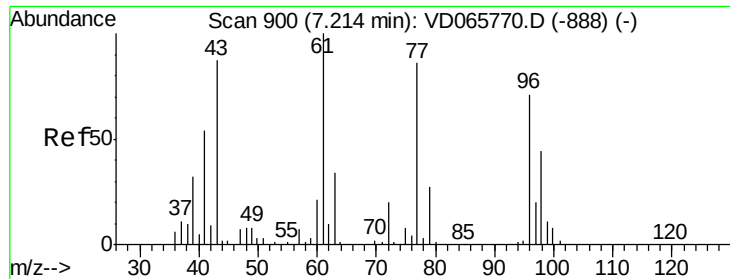
Tgt Ion: 77 Resp: 67333

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.7





#27

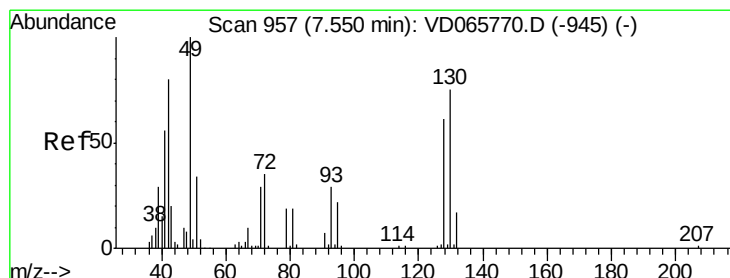
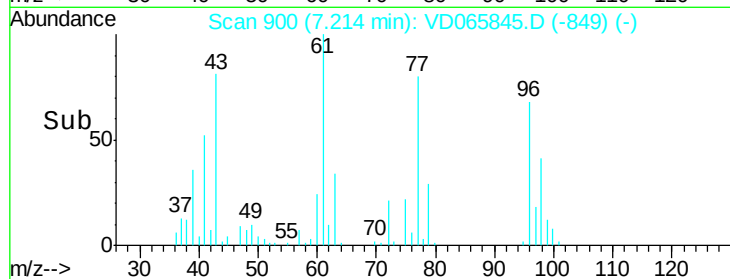
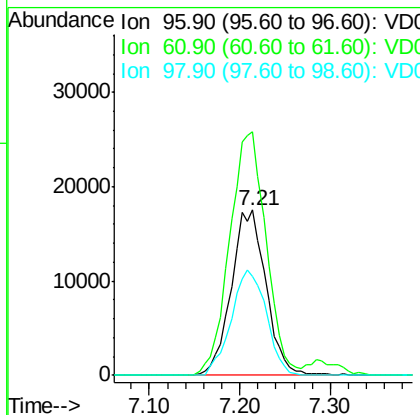
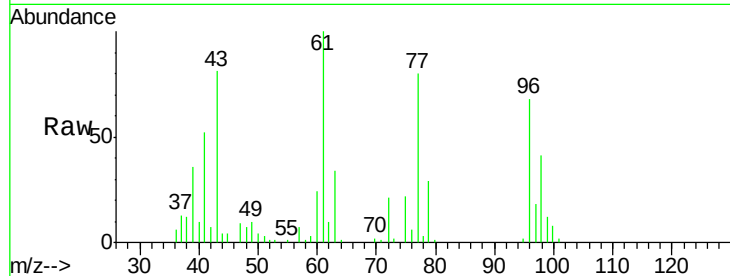
cis-1,2-Dichloroethene
Concen: 22.104 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	291.2
98	64.2	0.0	128.8

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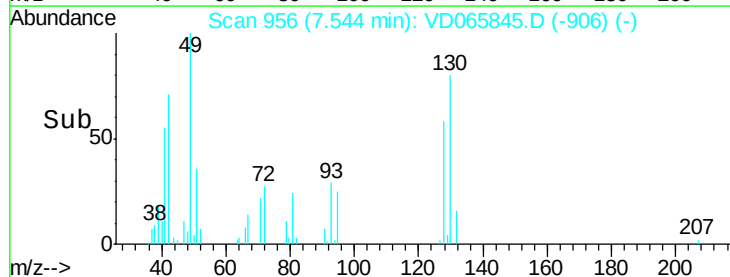
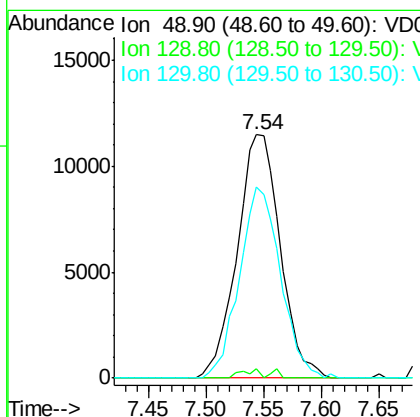
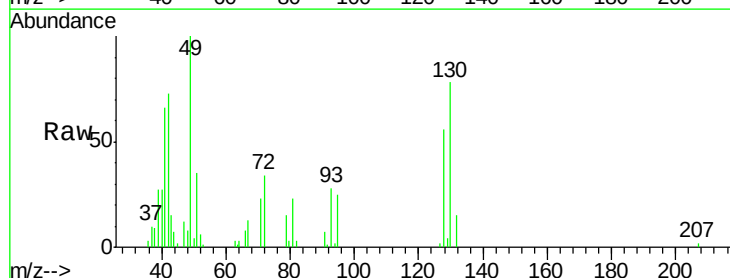
MMDadoda
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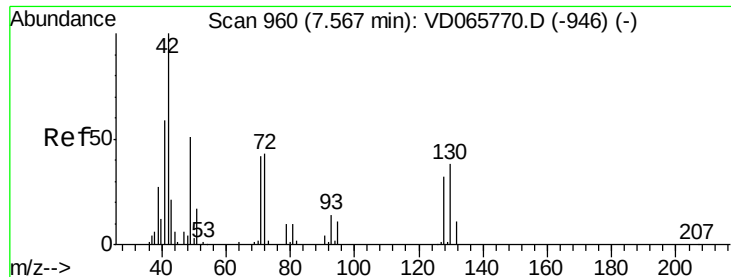


#28

Bromochloromethane
Concen: 22.648 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	74.8	59.5	89.3





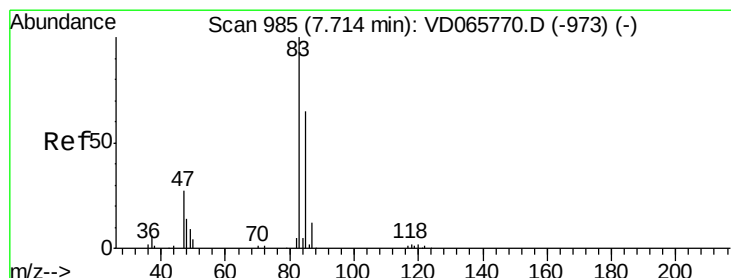
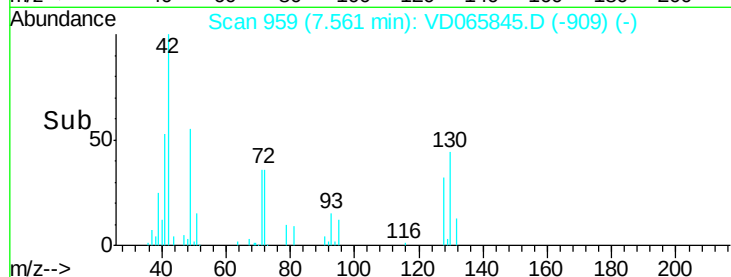
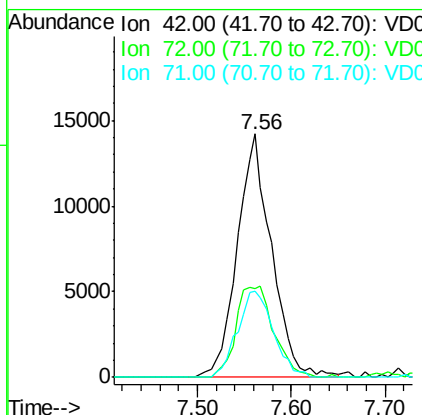
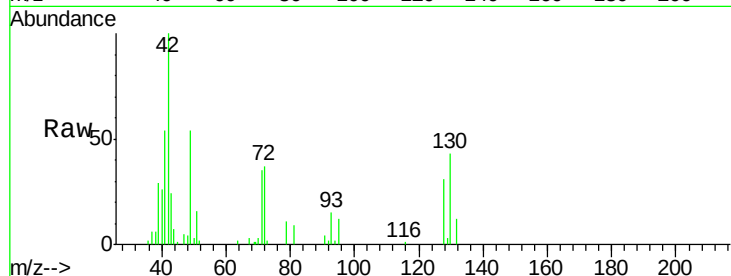
#29
Tetrahydrofuran
Concen: 119.637 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.9	52.3
71	36.9	31.2	46.8

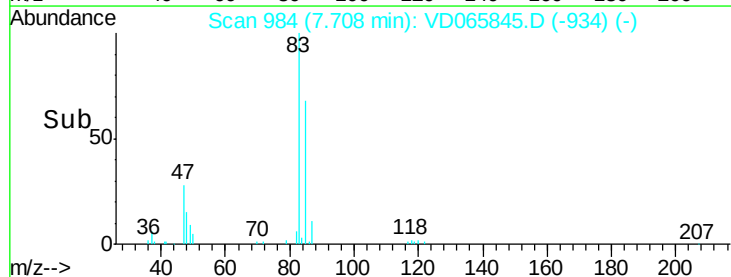
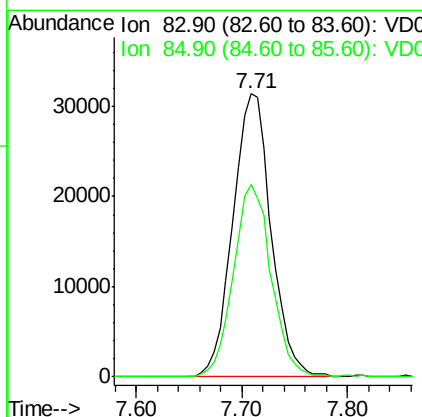
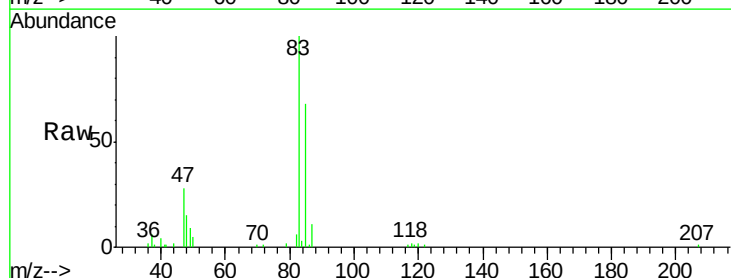
Manual Integrations
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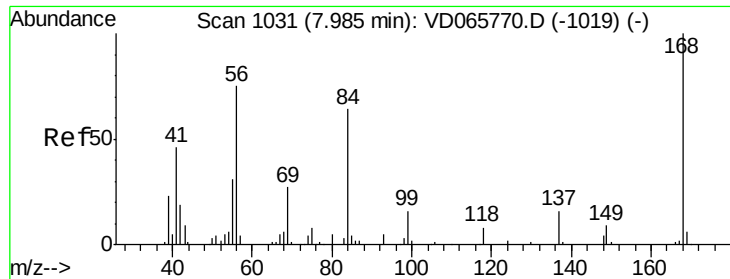
MMDadoda
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#30
Chloroform
Concen: 22.288 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.9	77.9





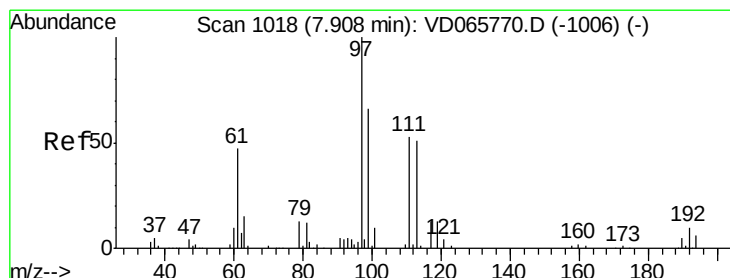
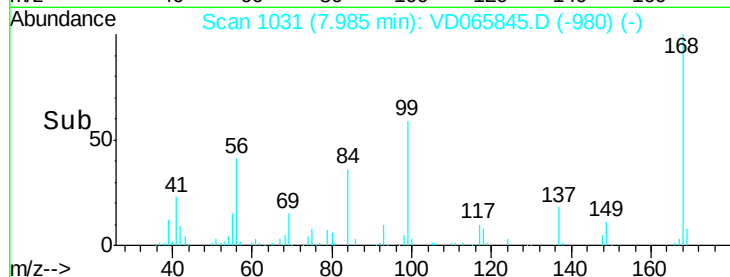
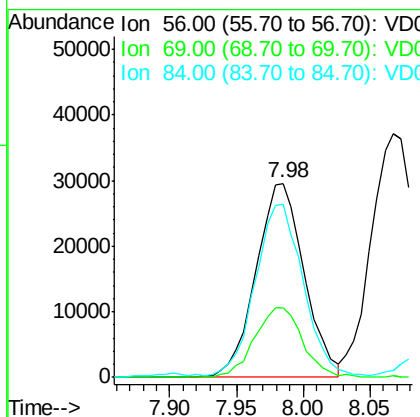
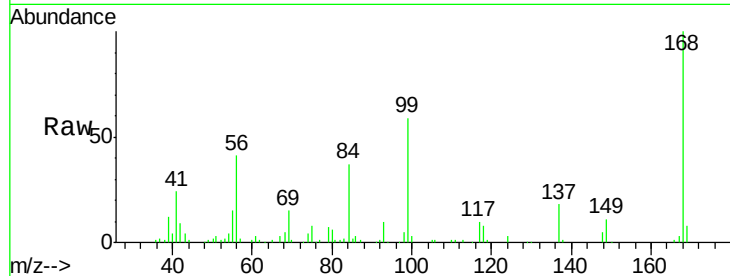
#31
Cyclohexane
Concen: 22.621 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	28.5	42.7
84	88.1	68.4	102.6

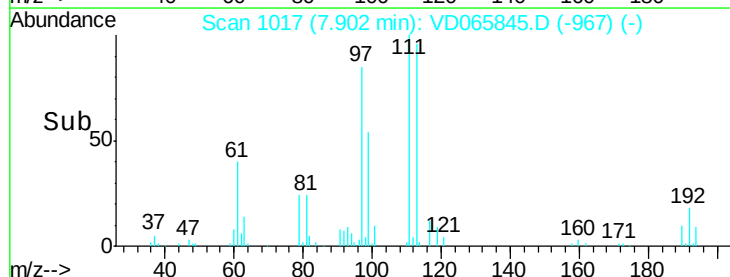
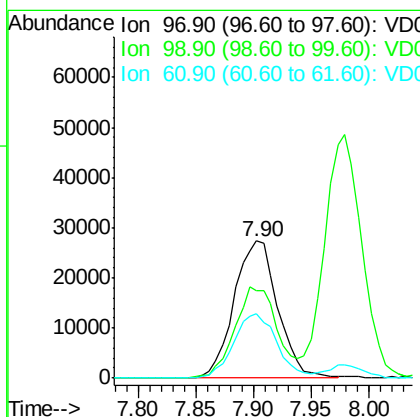
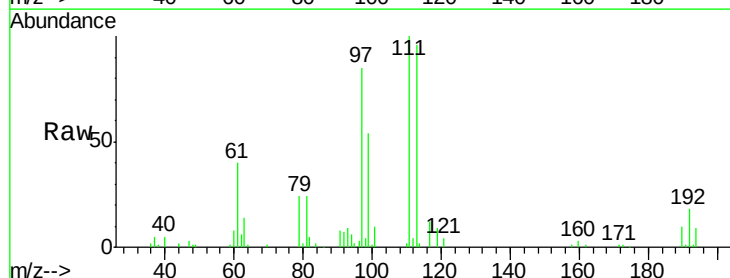
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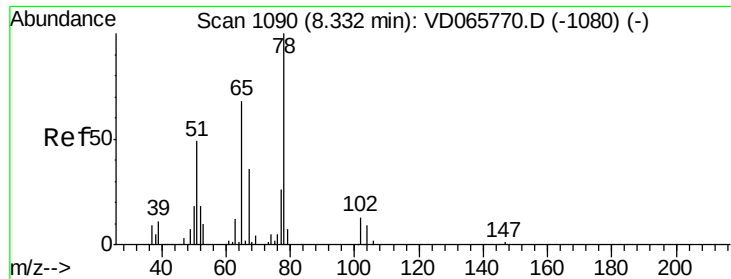
MMDadoda
6/23/2020 11:02:23 AM



#32
1,1,1-Trichloroethane
Concen: 22.001 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	49.2	73.8
61	46.4	36.0	54.0





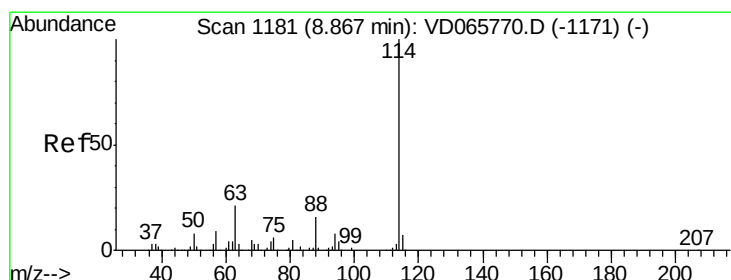
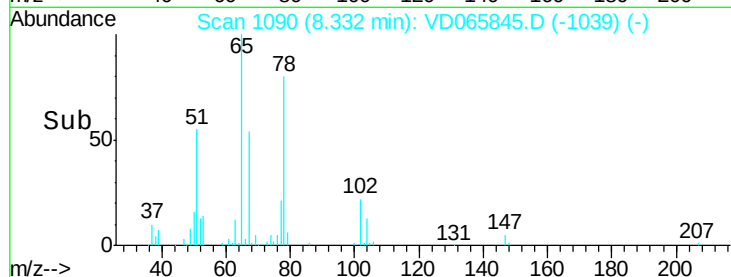
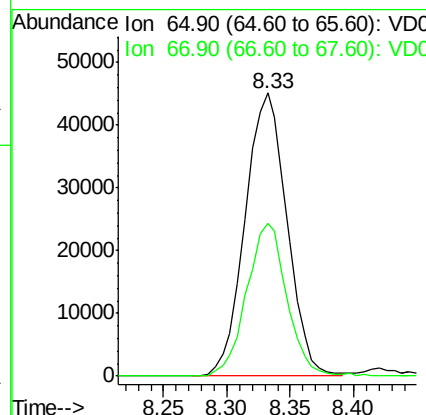
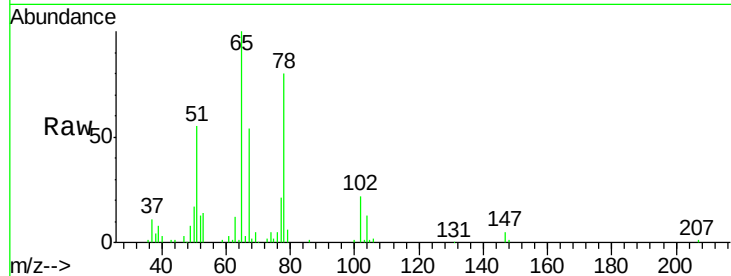
#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103654		
67	51.7	0.0	103.6	

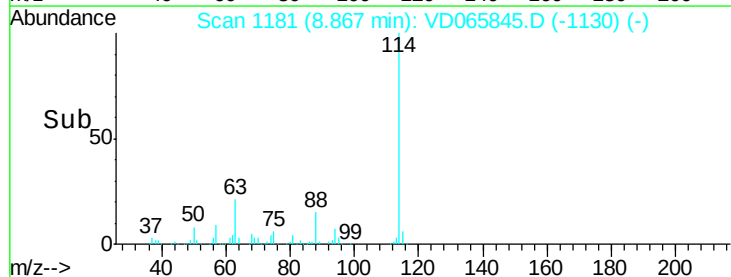
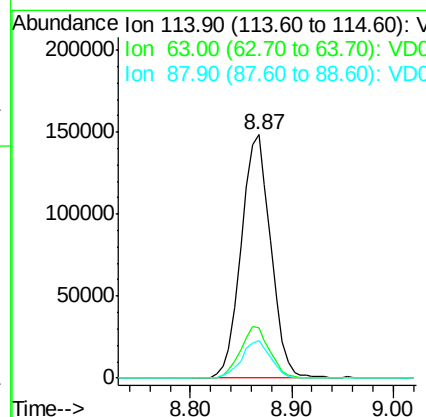
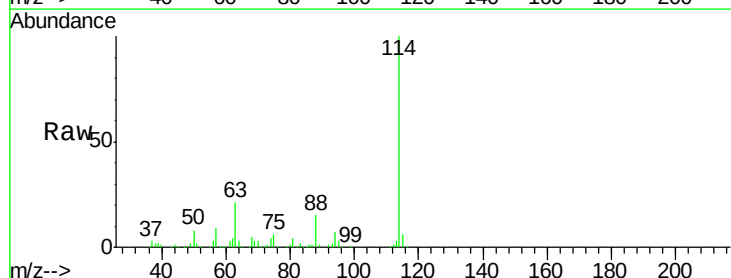
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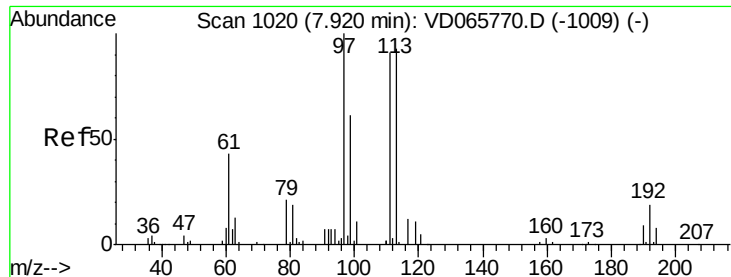
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	300563		
63	20.6	0.0	41.8	
88	15.4	0.0	32.0	





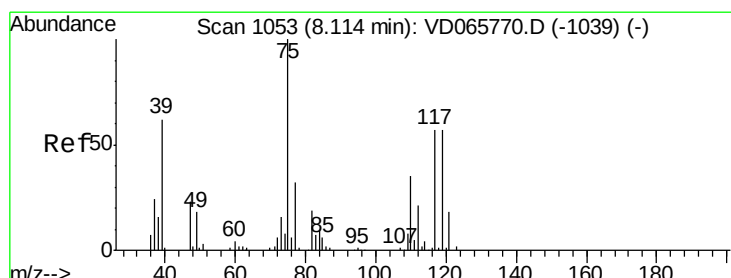
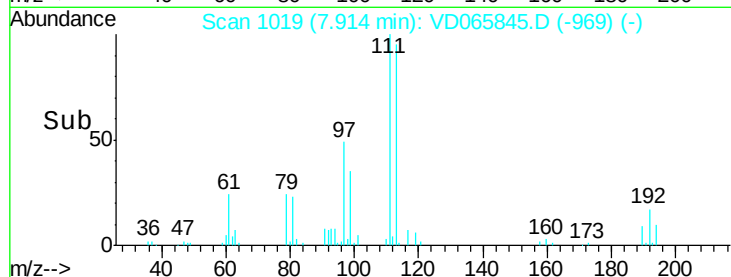
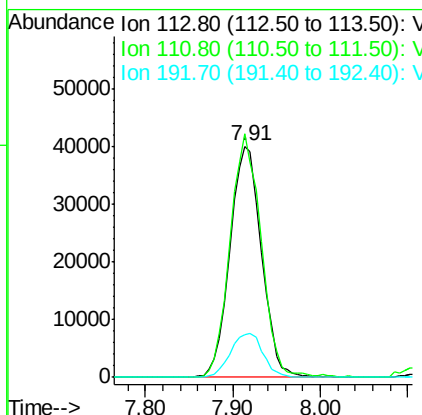
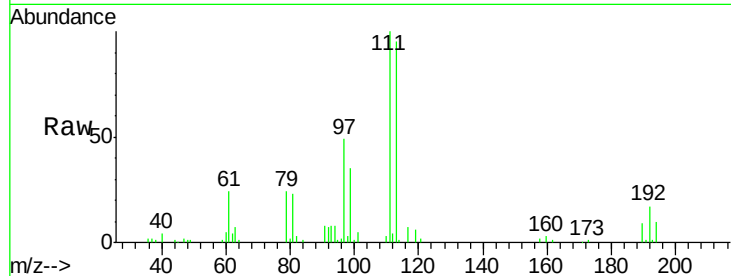
#35
 Dibromofluoromethane
 Concen: 51.400 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.0
192	19.5	15.7	23.5

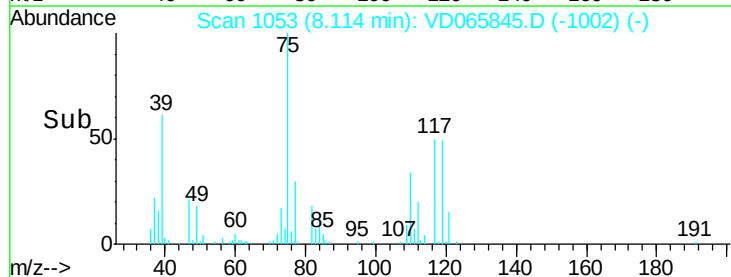
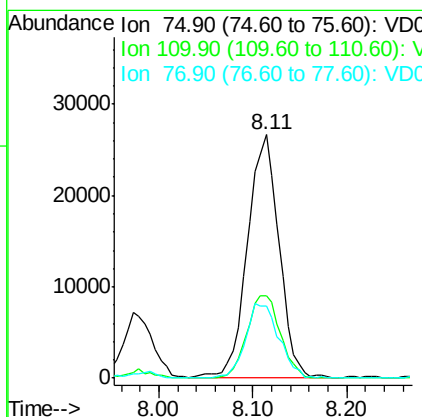
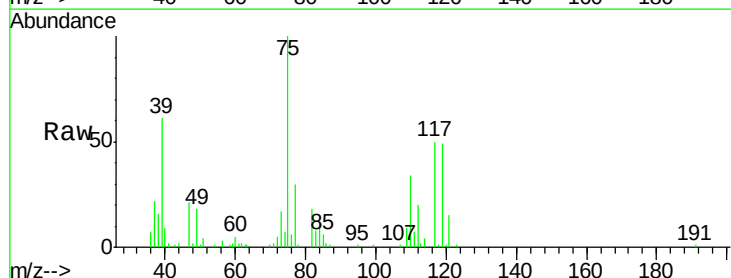
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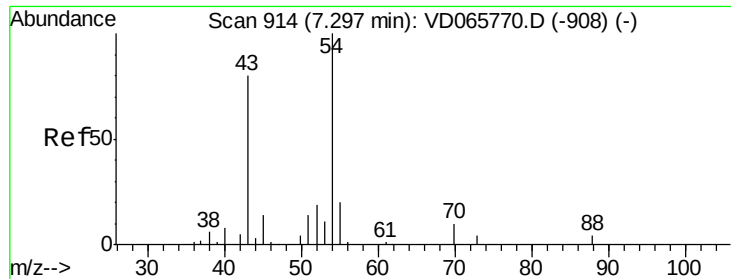
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#36
 1,1-Dichloropropene
 Concen: 21.628 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.8
77	32.4	25.1	37.7





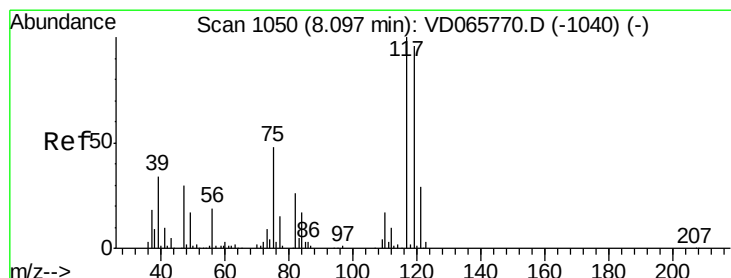
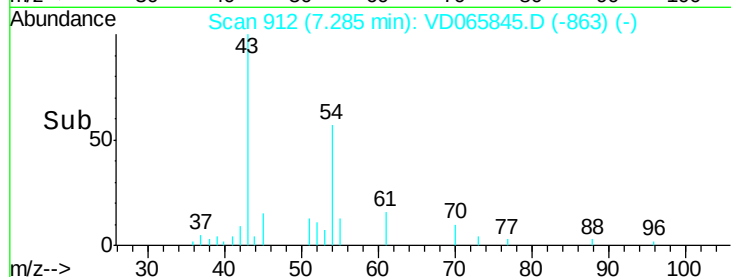
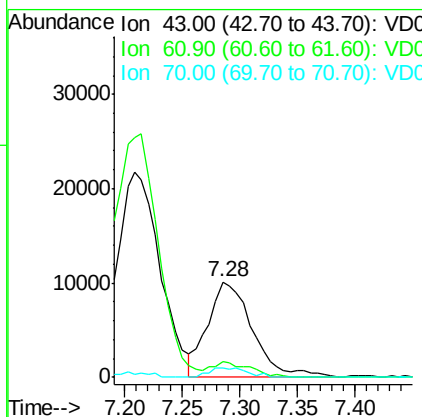
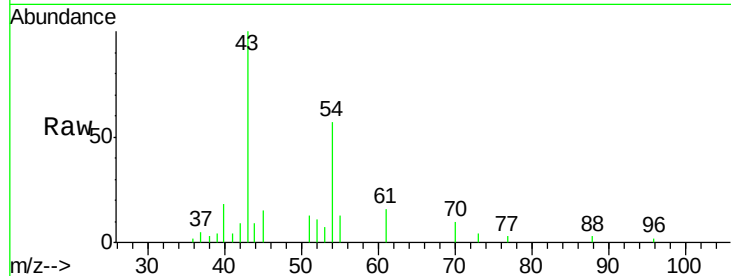
#37
Ethyl Acetate
Concen: 23.989 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.6	15.8
70	8.5	7.5	11.3

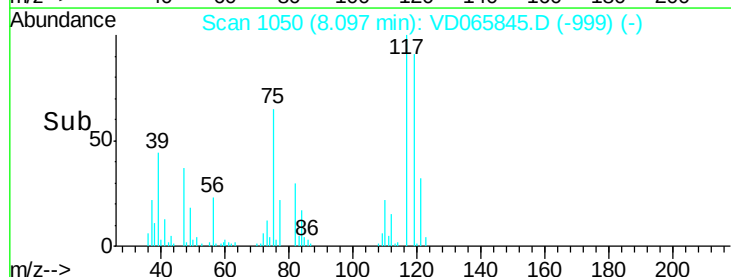
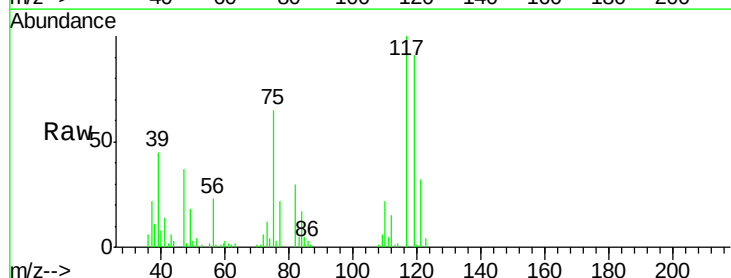
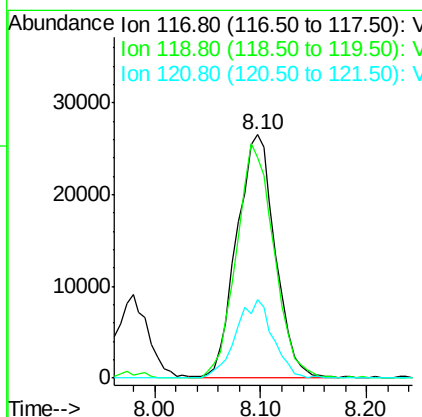
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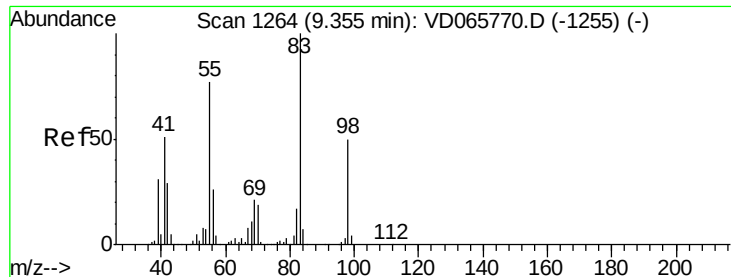
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#38
Carbon Tetrachloride
Concen: 22.169 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.8	115.2
121	32.1	23.4	35.2





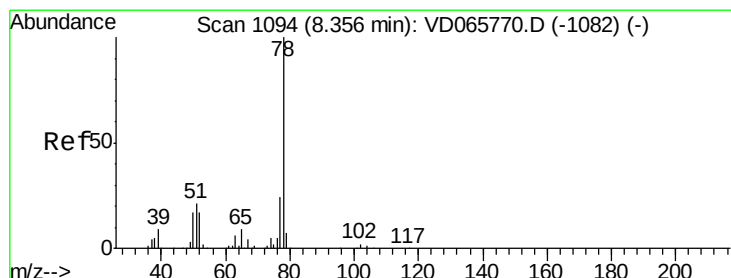
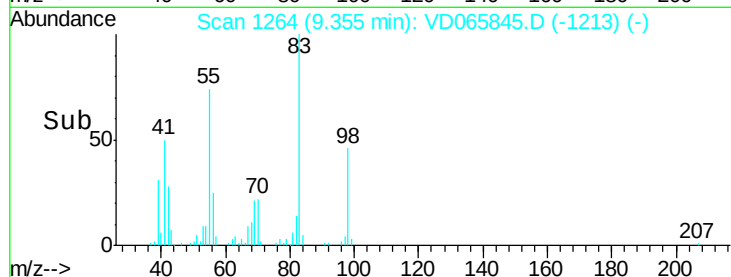
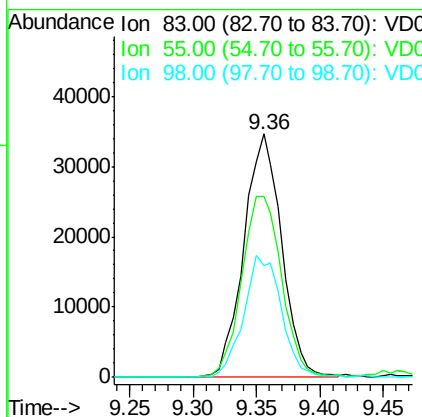
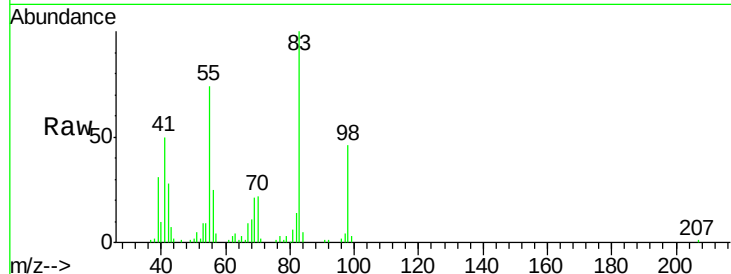
#39
Methylvlcyclohexane
Concen: 21.099 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.6	92.4
98	45.8	40.2	60.2

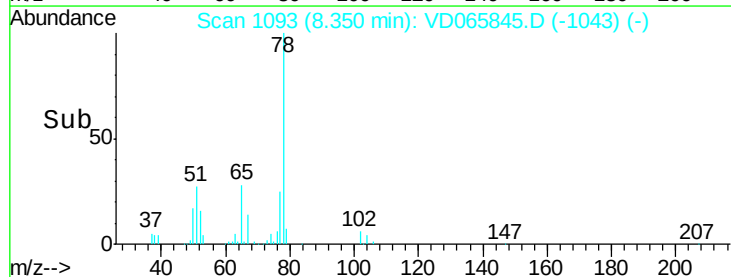
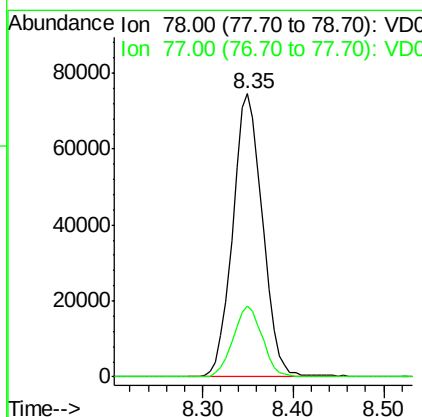
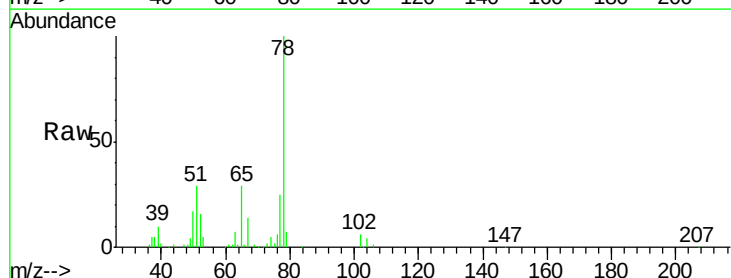
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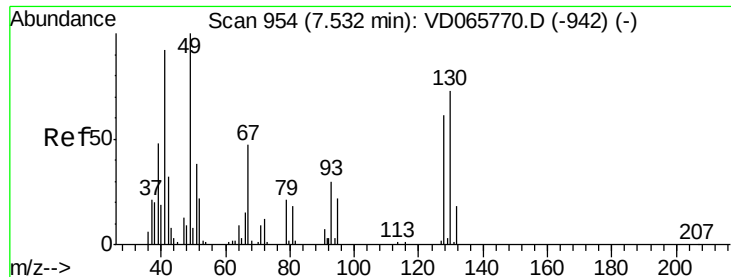
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#40
Benzene
Concen: 21.666 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8





#41

Methacrylonitrile

Concen: 22.406 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 15130

Ion Ratio Lower Upper

41 100

39 63.0 38.3 57.5#

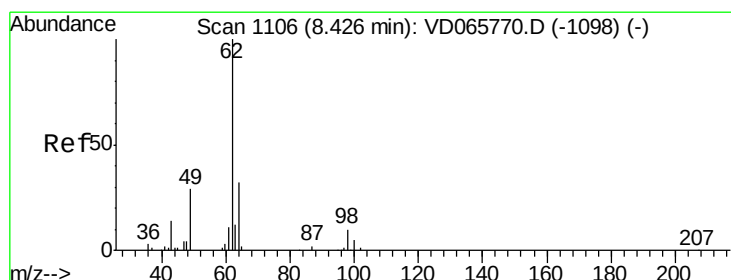
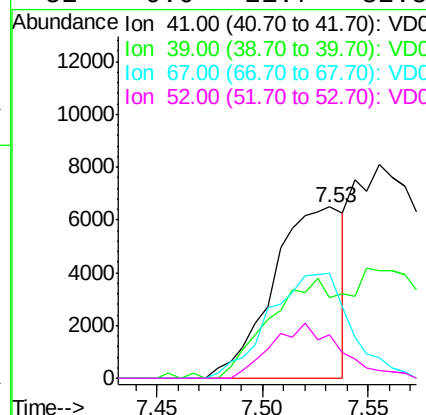
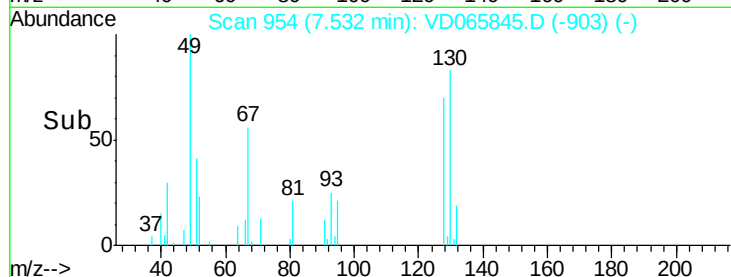
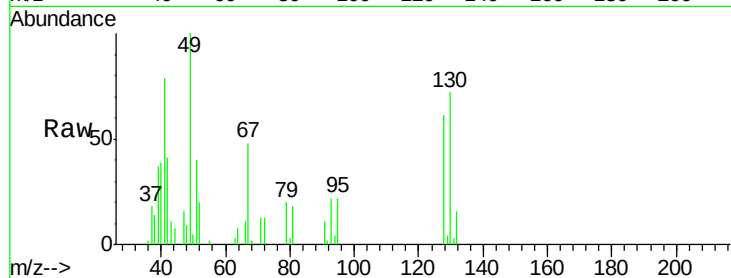
67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.125 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065845.D

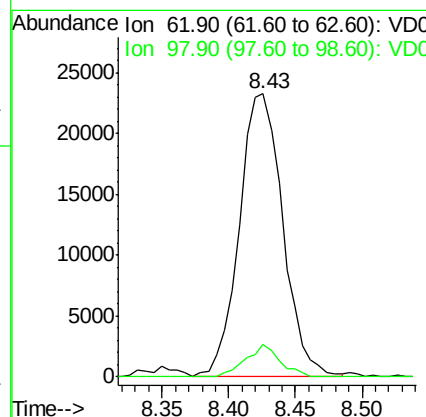
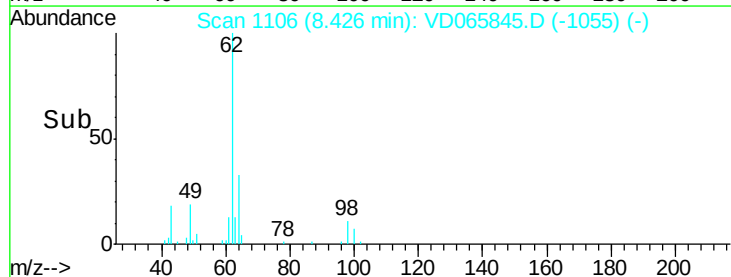
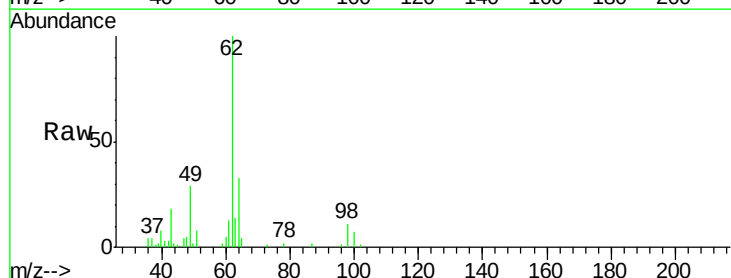
Acq: 22 Jun 2020 15:35

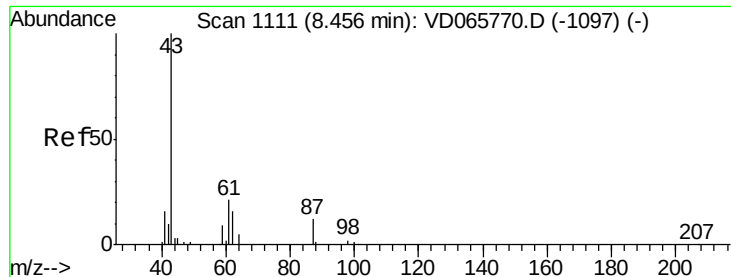
Tgt Ion: 62 Resp: 52545

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.778 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

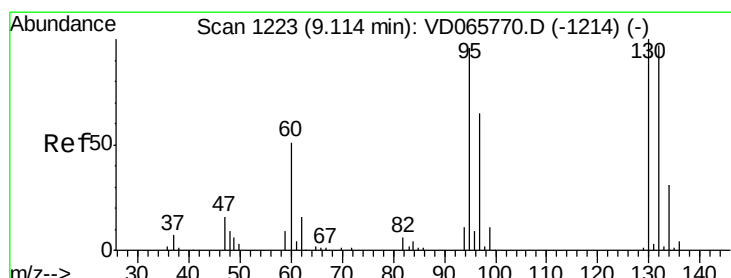
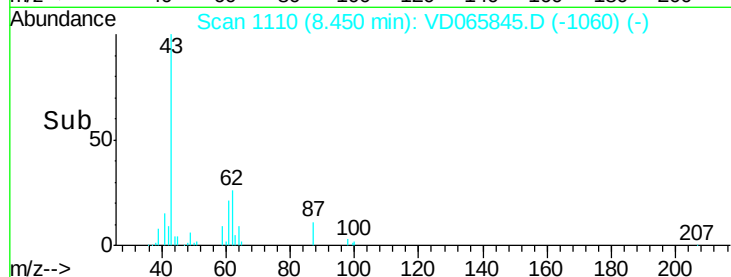
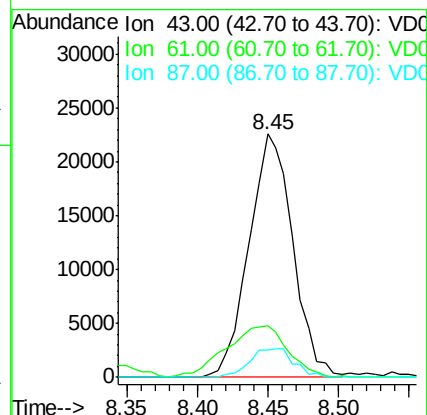
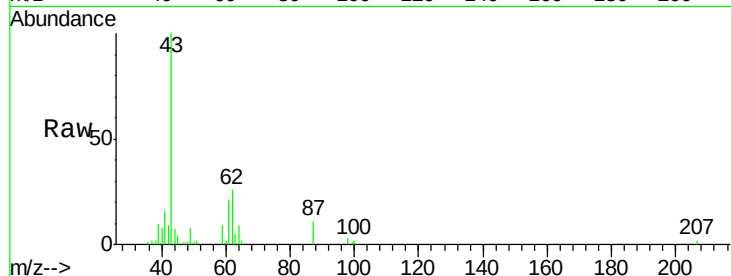
ClientSampleId :

VD0622SBS01

Tot Ion:	43	Resp:	49113
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.2	36.4
87	11.9	9.5	14.3

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#44

Trichloroethene

Concen: 20.782 ug/l

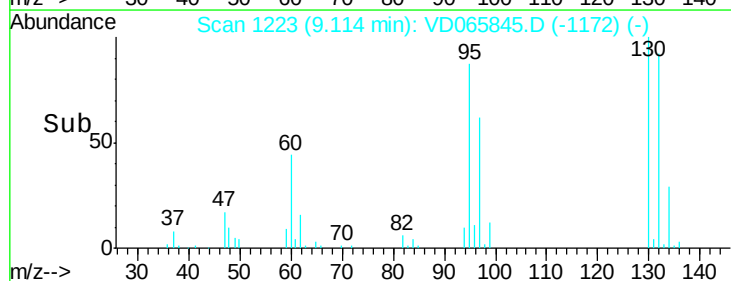
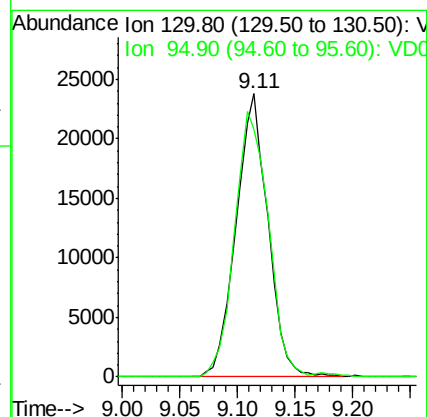
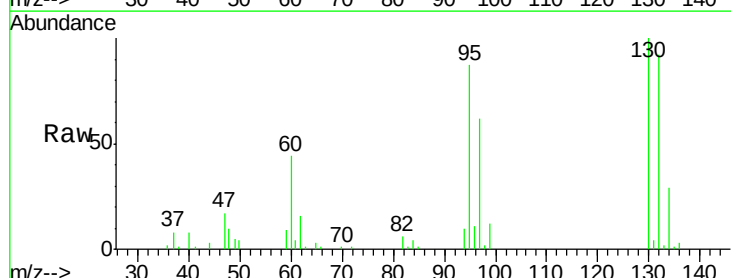
RT: 9.11 min Scan# 1223

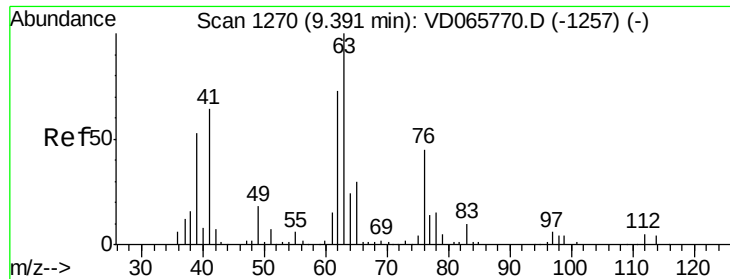
Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:	130	Resp:	45523
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	192.8





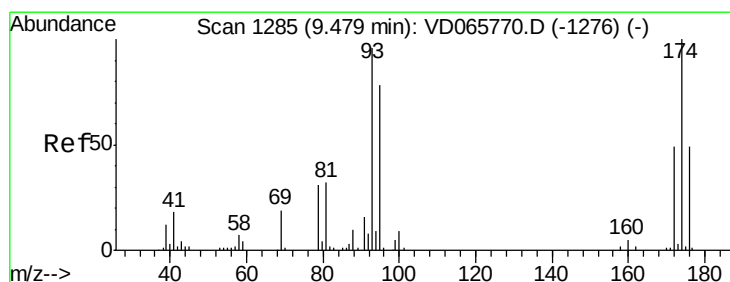
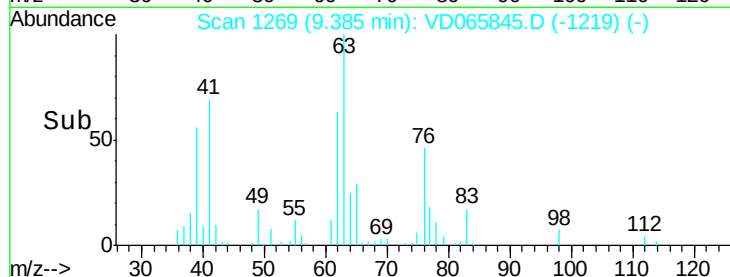
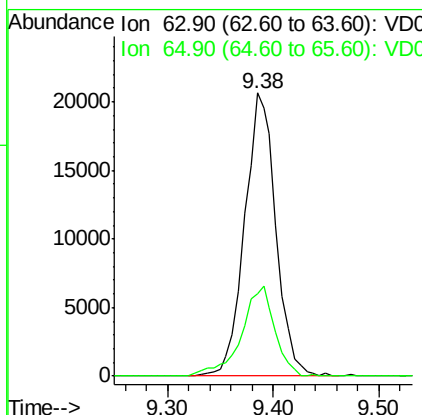
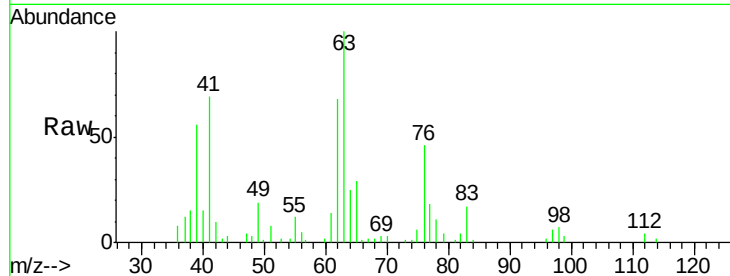
#45
 1,2-Dichloropropane
 Concen: 21.407 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion: 63 Resp: 42338
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.2 36.2

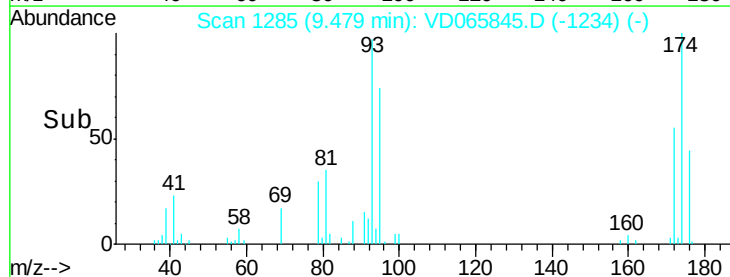
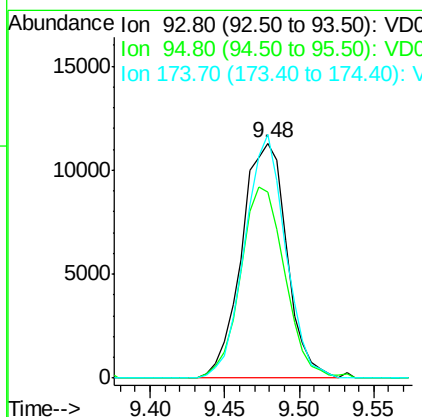
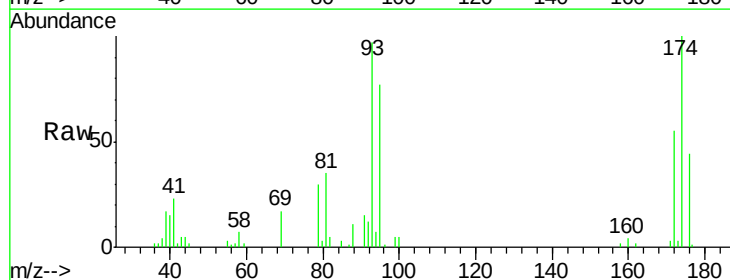
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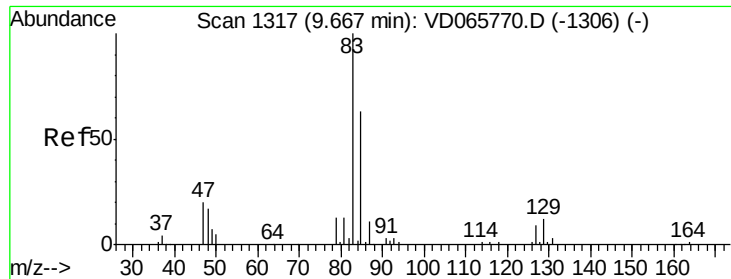
MMDadoda
 6/23/2020 11:02:23 AM



#46
 Dibromomethane
 Concen: 22.006 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 93 Resp: 23604
 Ion Ratio Lower Upper
 93 100
 95 80.2 65.8 98.6
 174 93.9 80.9 121.3





#47

Bromodichloromethane

Concen: 21.509 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

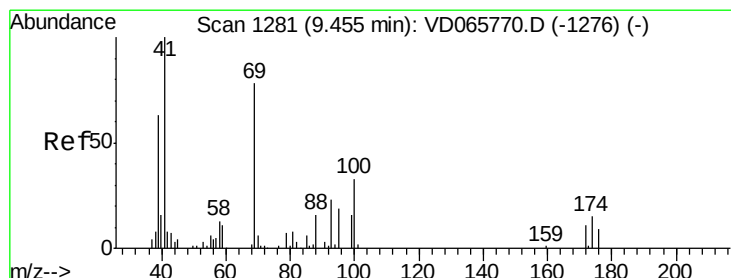
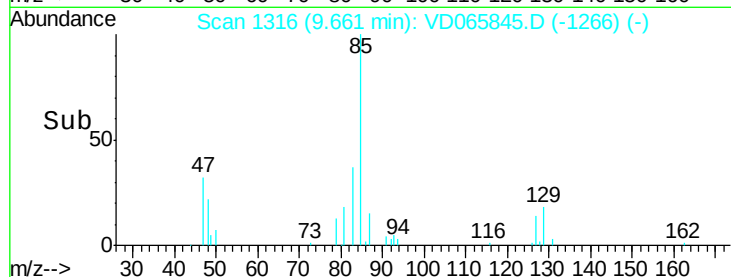
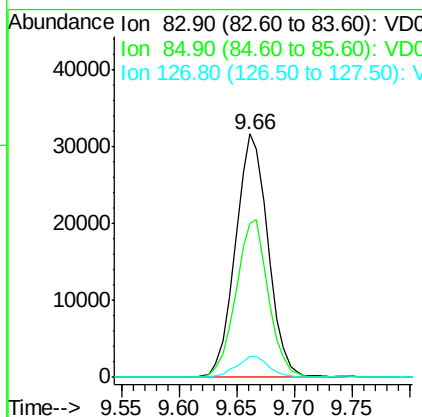
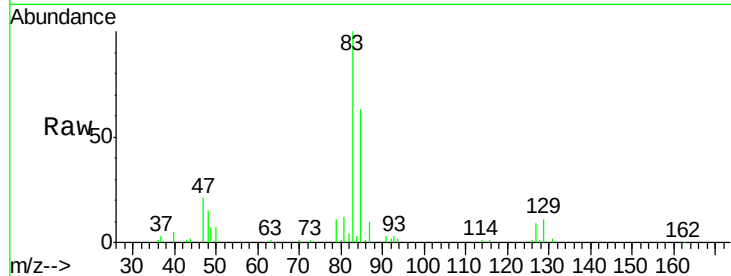
ClientSampleId :

VD0622SBS01

Tot Ion:	83	Resp:	61825
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.391 ug/l

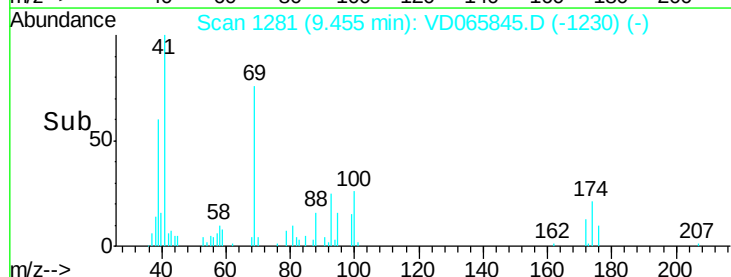
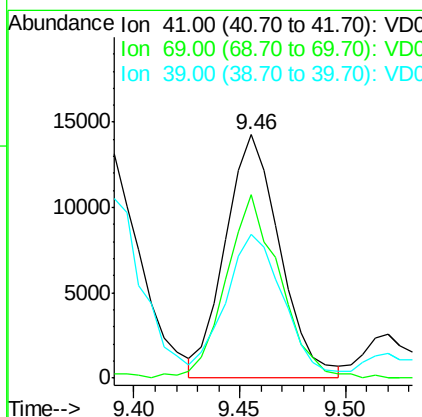
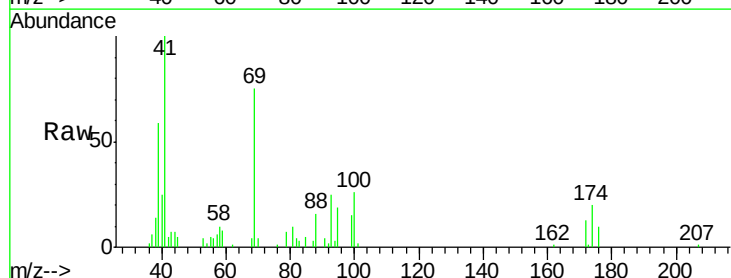
RT: 9.46 min Scan# 1281

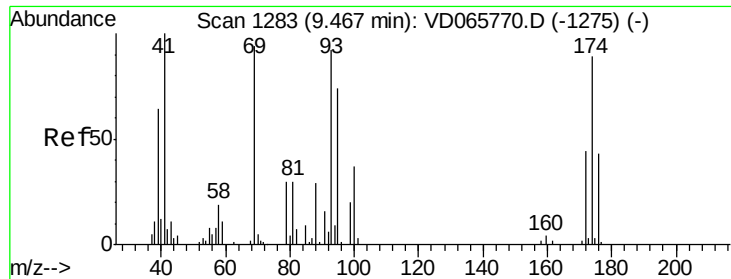
Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:	41	Resp:	25533
Ion	Ratio	Lower	Upper
41	100		
69	74.7	60.9	91.3
39	57.5	48.1	72.1





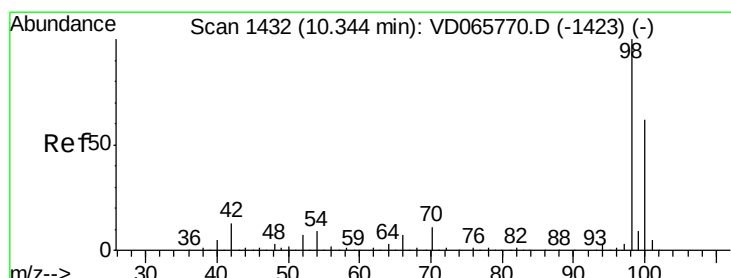
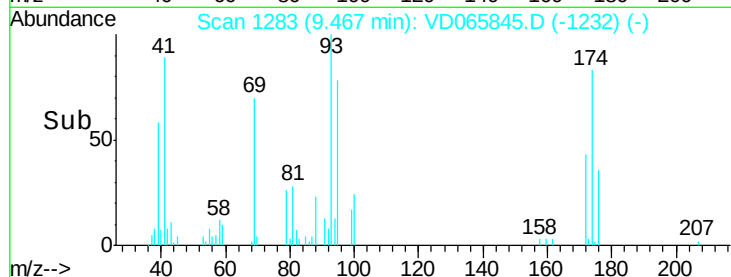
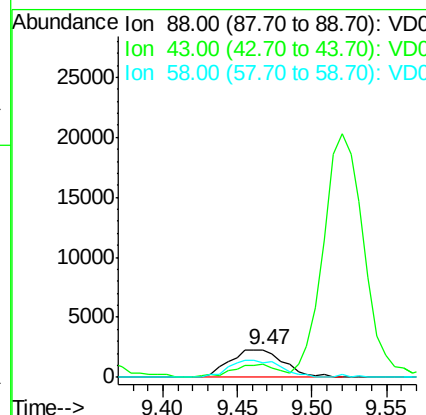
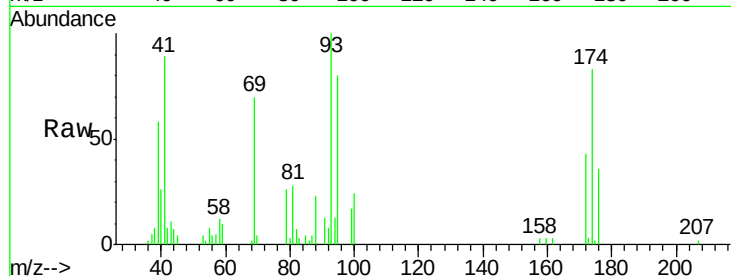
#49
1,4-Dioxane
Concen: 507.143 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	58.5	54.9	82.3

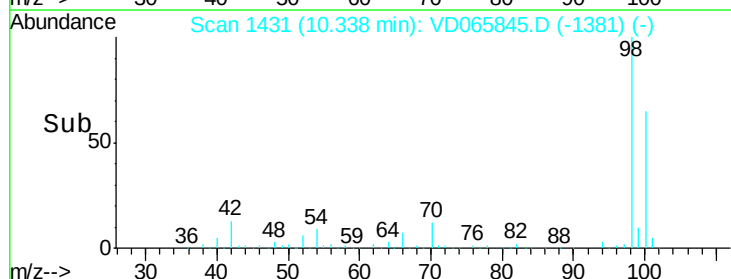
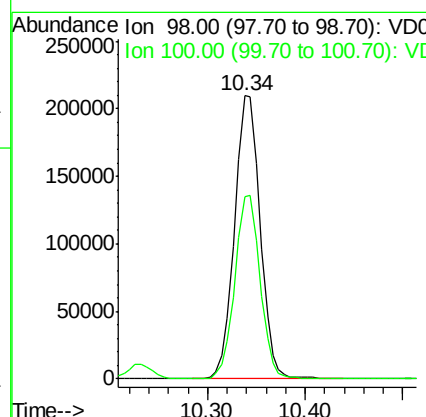
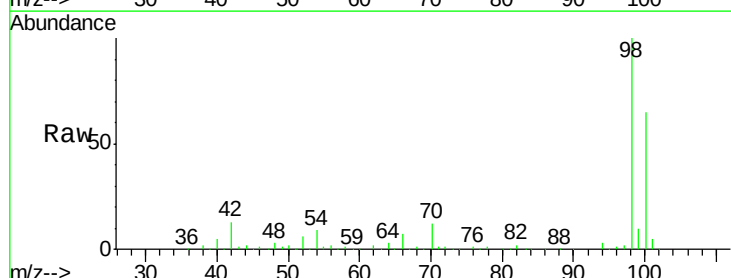
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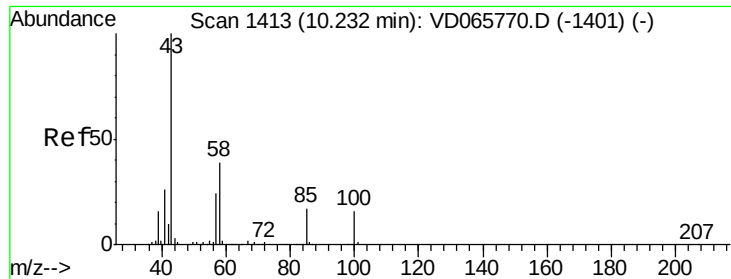
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#50
Toluene-d8
Concen: 54.183 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





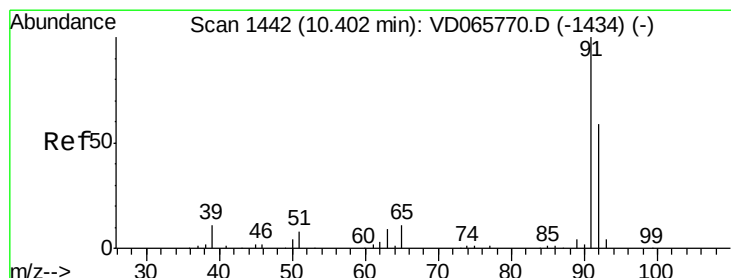
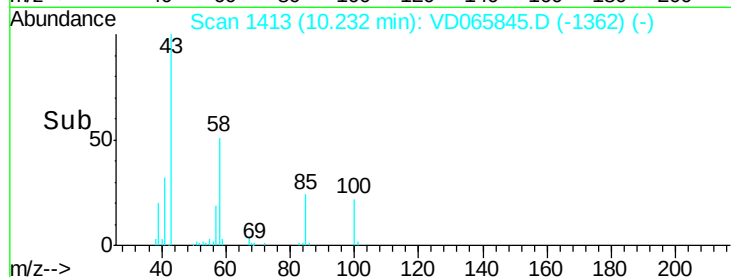
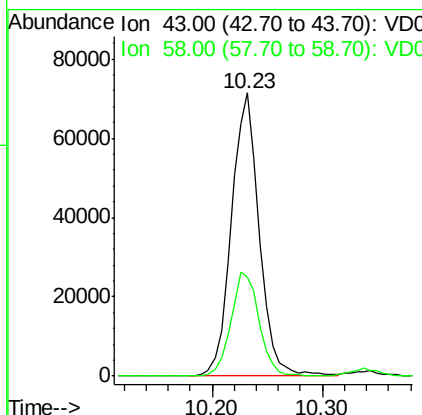
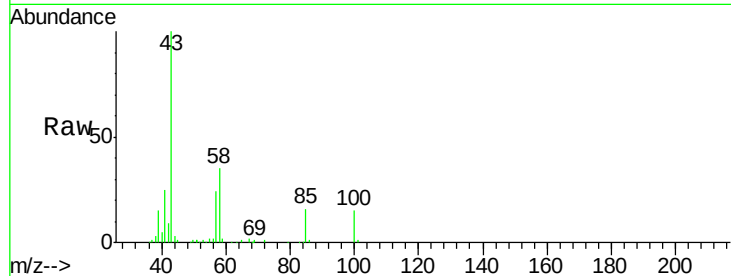
#51
4-Methyl-2-Pentanone
Concen: 114.091 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 126075
Ion Ratio Lower Upper
43 100
58 37.3 30.7 46.1

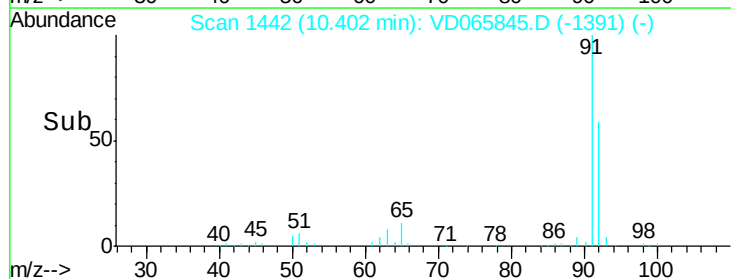
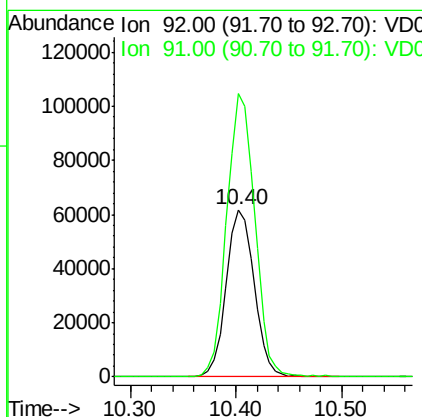
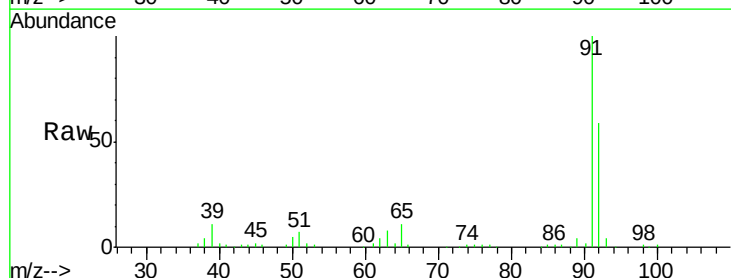
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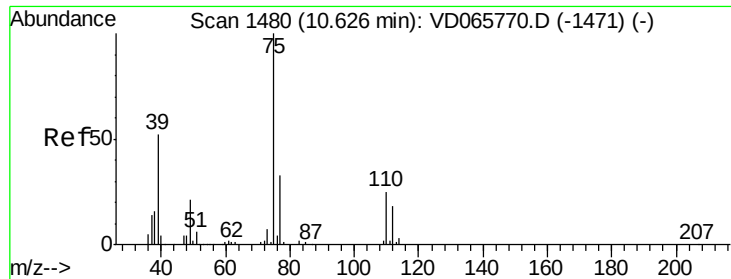
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#52
Toluene
Concen: 22.146 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 92 Resp: 113264
Ion Ratio Lower Upper
92 100
91 170.0 137.8 206.8





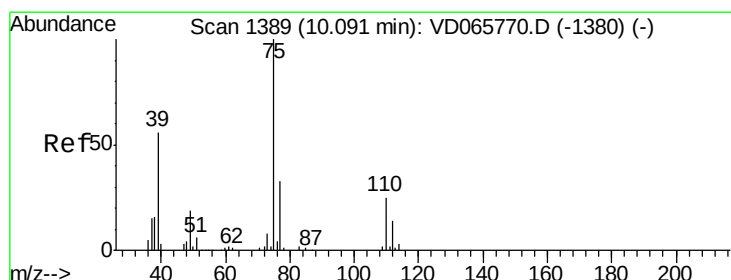
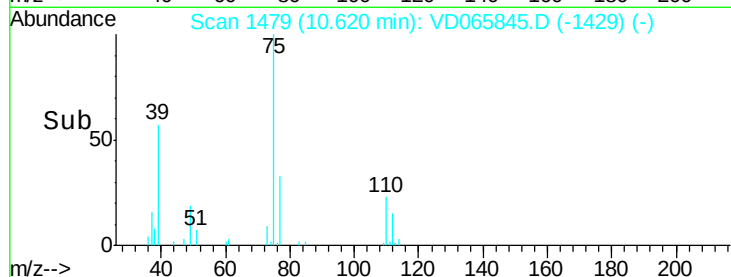
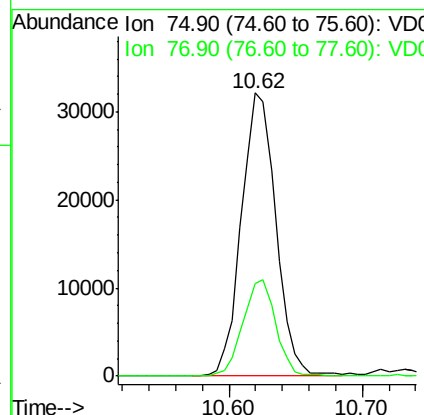
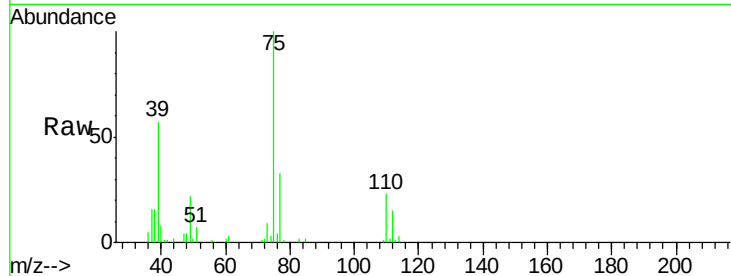
#53
t-1,3-Dichloropropene
Concen: 22.089 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 75 Resp: 57493
Ion Ratio Lower Upper
75 100
77 32.6 26.4 39.6

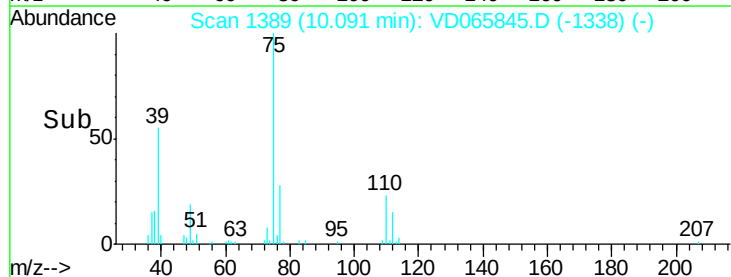
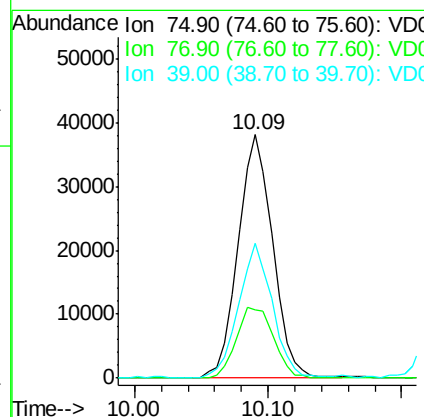
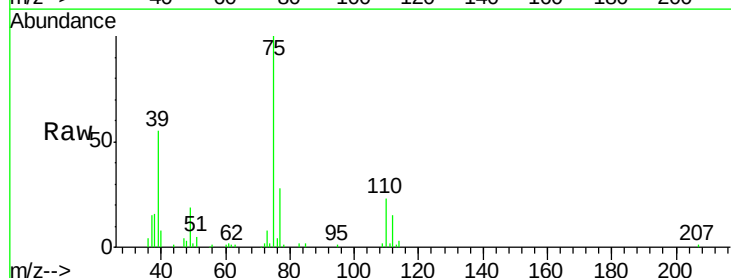
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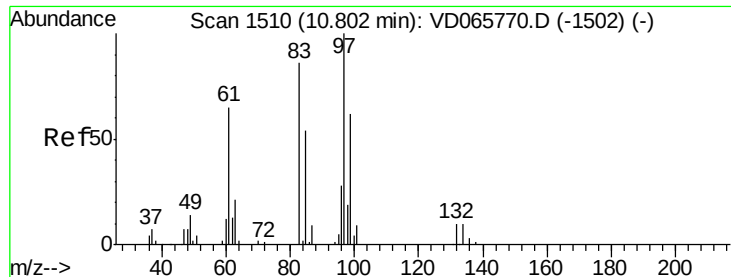
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#54
cis-1,3-Dichloropropene
Concen: 22.249 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 75 Resp: 68395
Ion Ratio Lower Upper
75 100
77 27.8 26.0 39.0
39 55.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 22.392 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 97 Resp: 32093

Ion Ratio Lower Upper

97 100

83 87.3 68.7 103.1

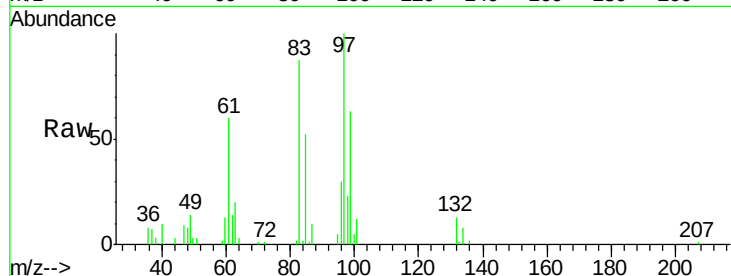
85 51.7 43.0 64.6

99 63.2 49.8 74.6

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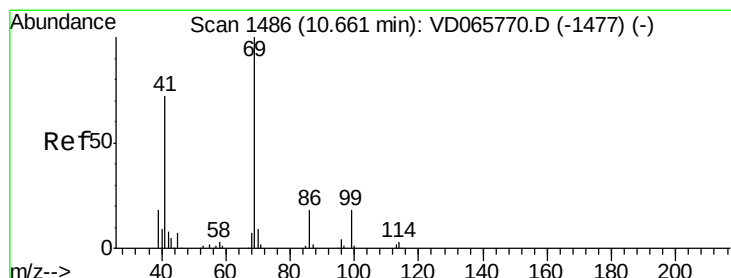
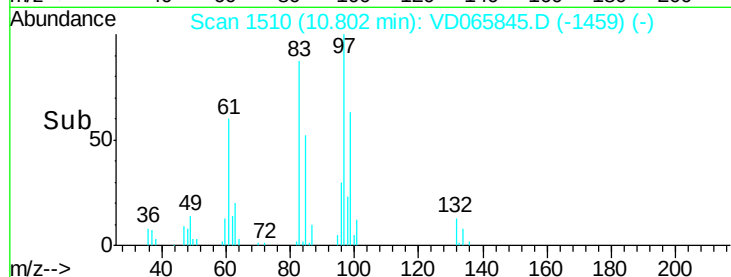
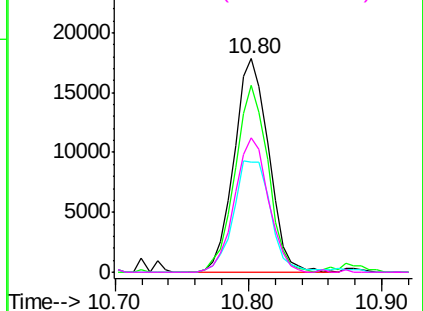
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.728 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

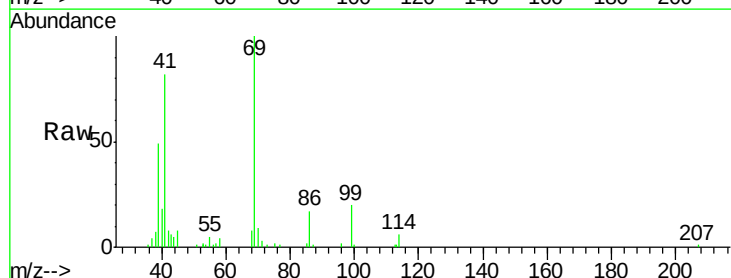
Tgt Ion: 69 Resp: 36628

Ion Ratio Lower Upper

69 100

41 77.0 56.9 85.3

39 39.5 36.0 54.0

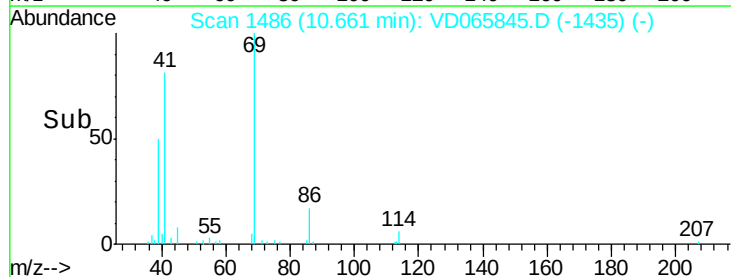
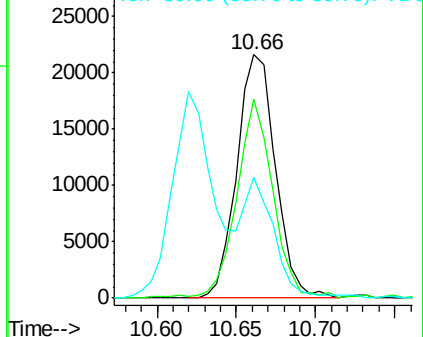


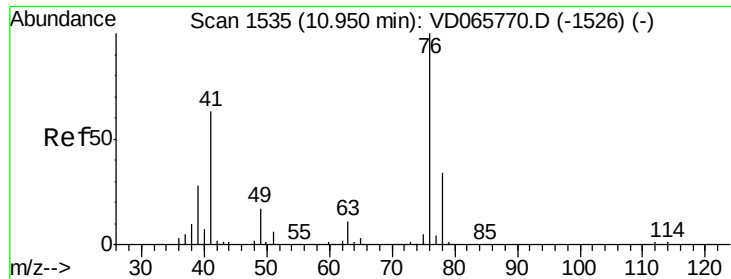
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





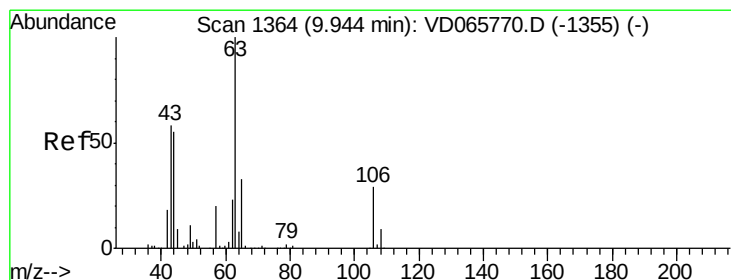
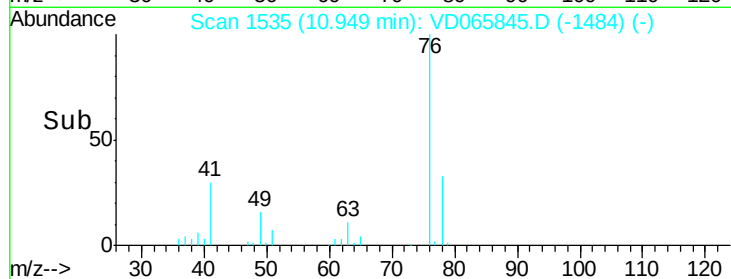
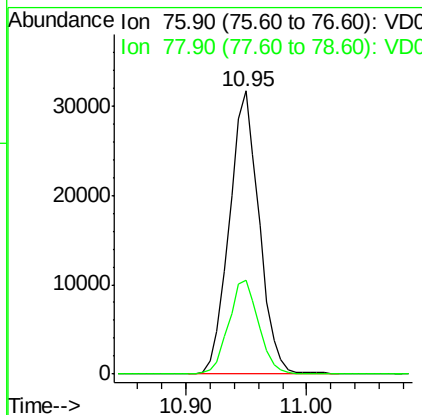
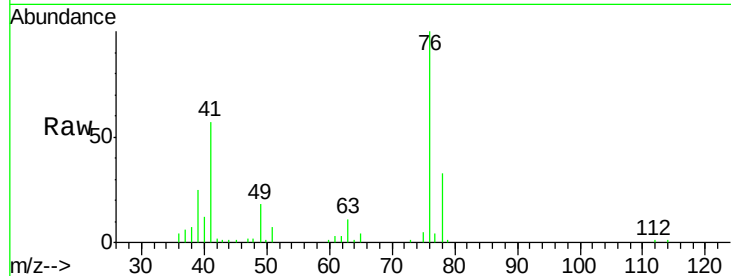
#57
 1,3-Dichloropropane
 Concen: 21.939 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.3	39.5

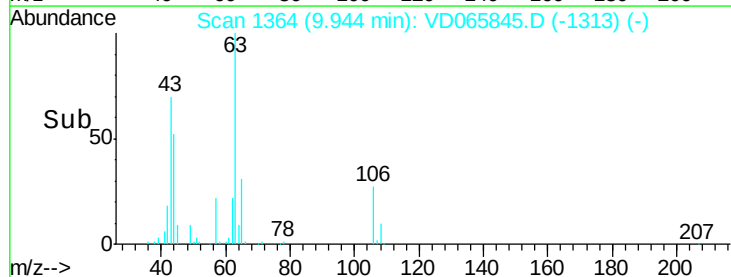
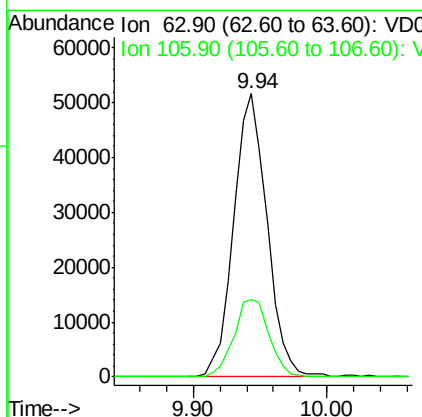
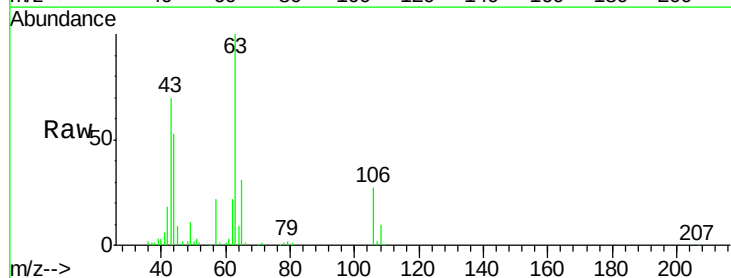
Manual Integrations
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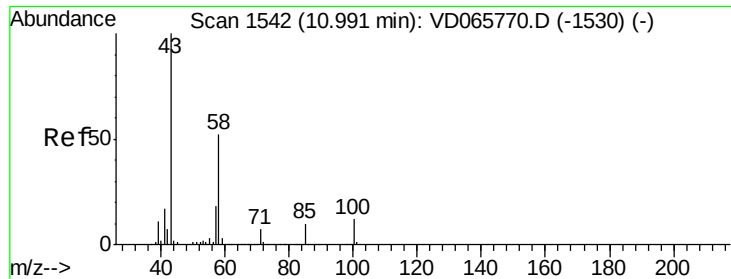
MMDadoda
 6/23/2020 11:02:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.349 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.2	34.8





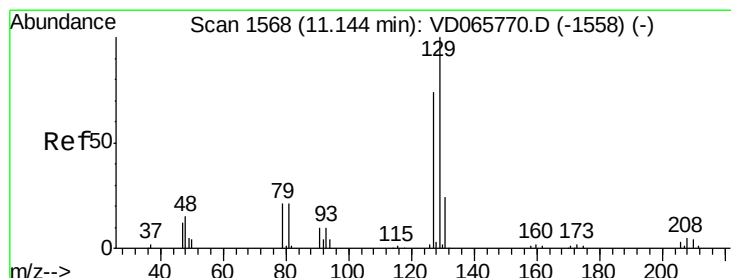
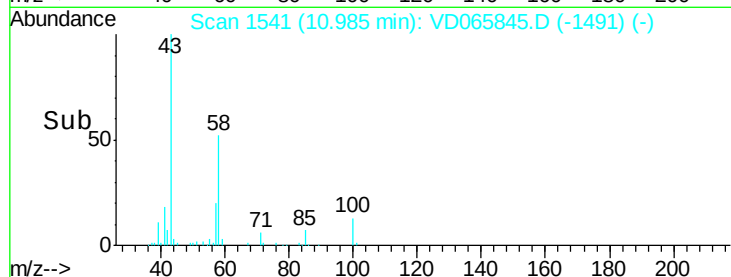
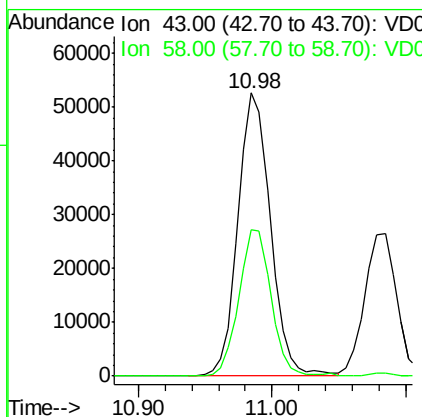
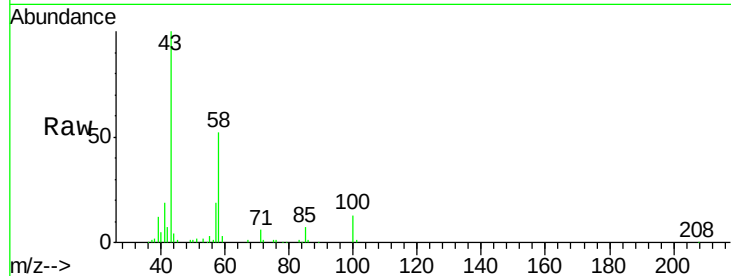
#59
2-Hexanone
Concen: 119.351 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 88917
Ion Ratio Lower Upper
43 100
58 50.9 25.7 77.0

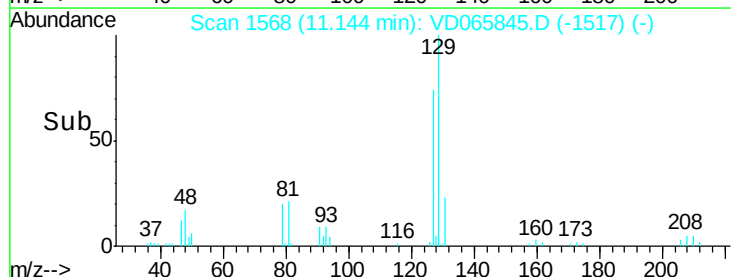
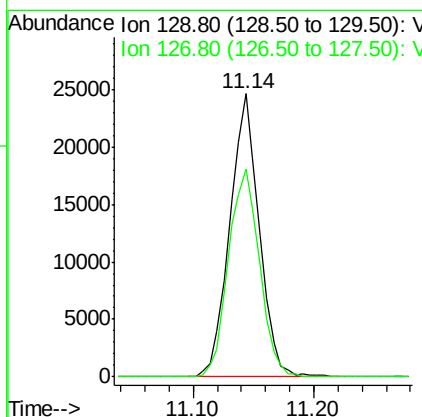
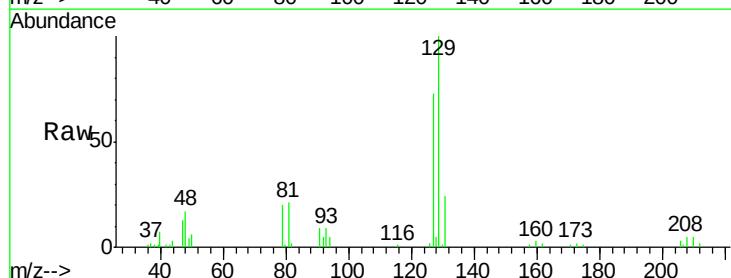
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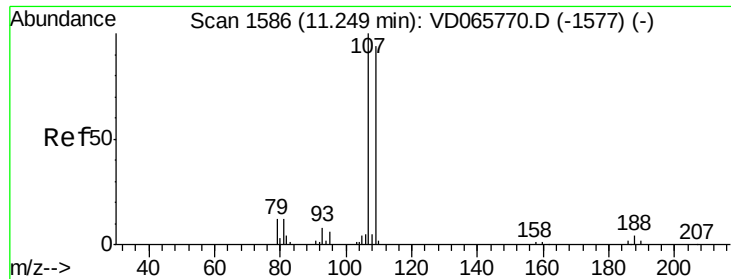
MMDadoda
6/23/2020 11:02:23 AM



#60
Dibromochloromethane
Concen: 21.518 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 129 Resp: 41662
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





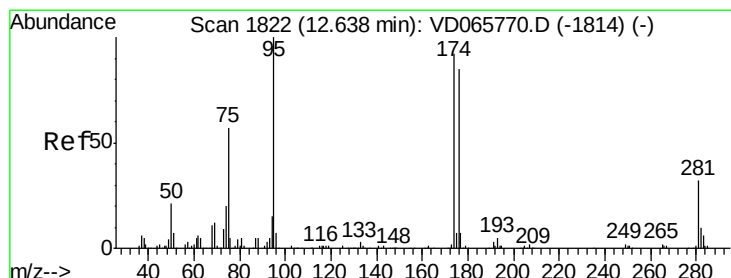
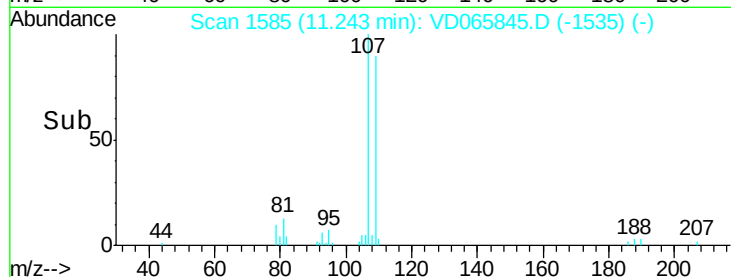
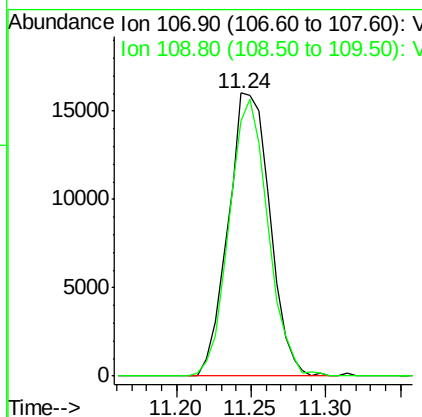
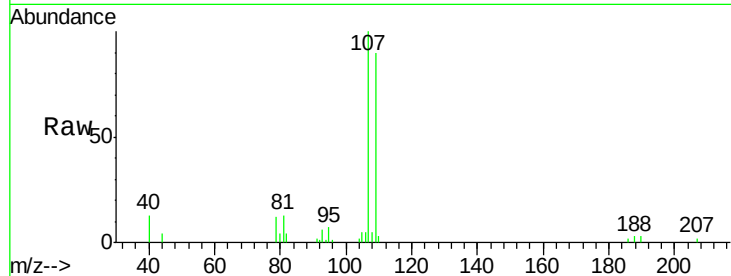
#61
 1,2-Dibromoethane
 Concen: 22.121 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	74.4	111.6

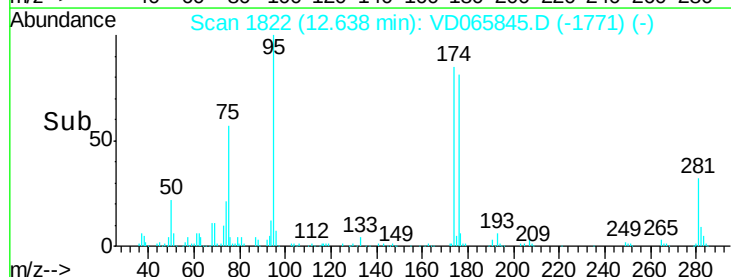
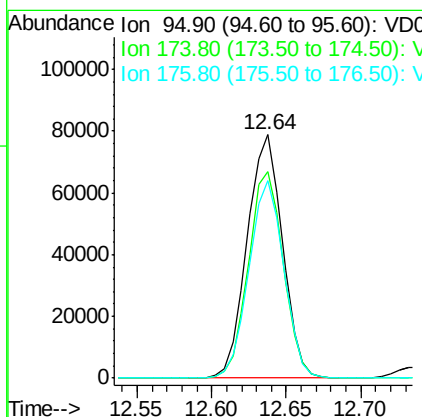
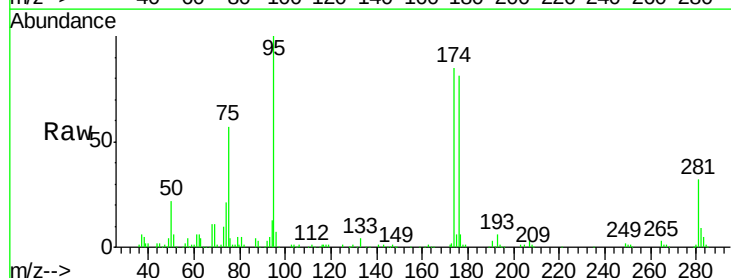
Manual Integrations
 APPROVED

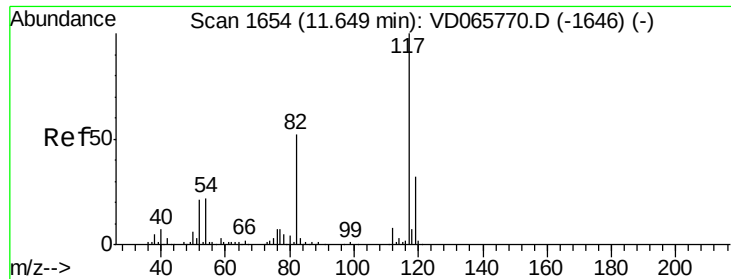
MMDadoda
 6/23/2020 11:02:23 AM



#62
 4-Bromofluorobenzene
 Concen: 53.556 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	175.2
176	79.9	0.0	163.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

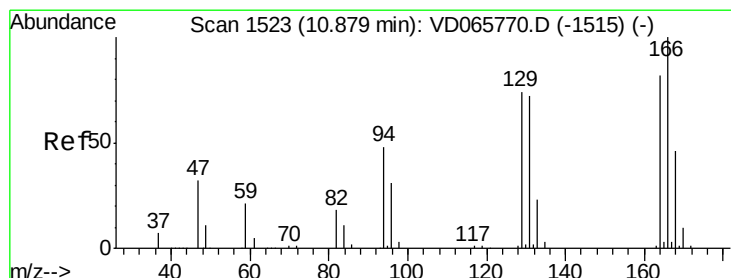
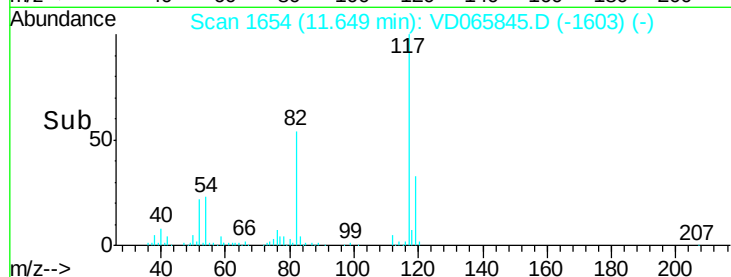
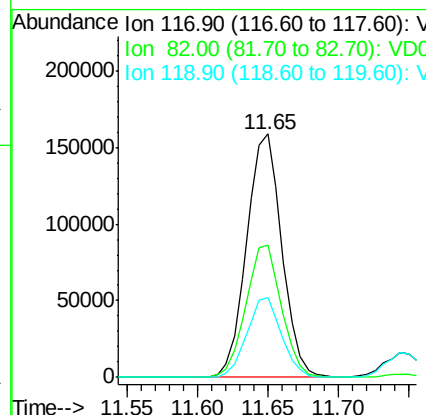
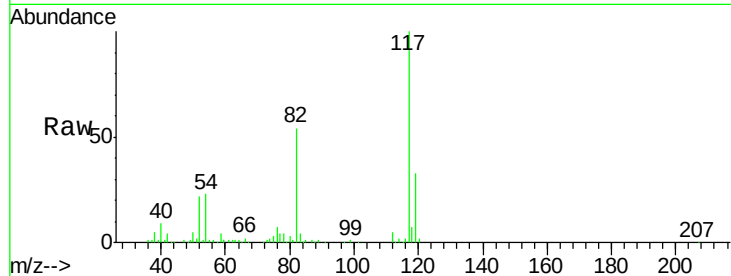
ClientSampleId :

VD0622SBS01

Tot Ion:117	Resp:	277827
Ion Ratio	Lower	Upper
117 100		
82 54.2	41.9	62.9
119 33.0	25.3	37.9

Manual Integrations
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MMDadoda
6/23/2020 11:02:23 AM



#64

Tetrachloroethene

Concen: 20.687 ug/l

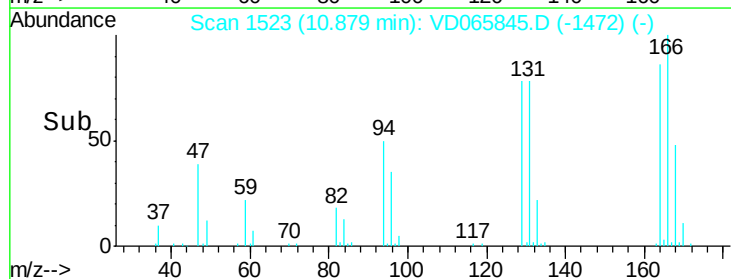
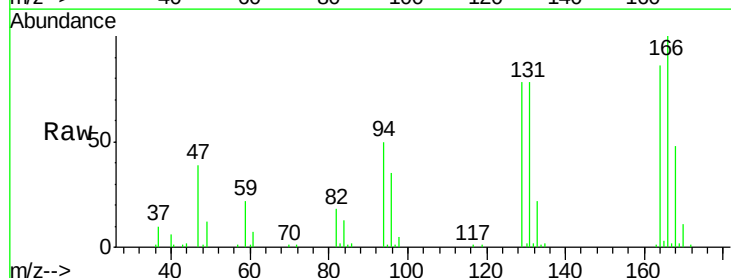
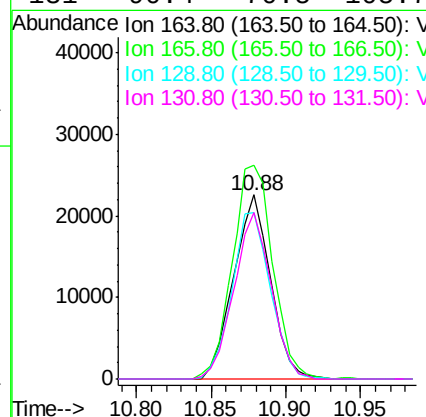
RT: 10.88 min Scan# 1523

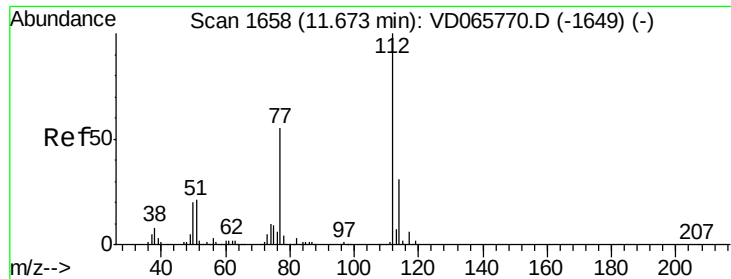
Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:164	Resp:	38864
Ion Ratio	Lower	Upper
164 100		
166 116.1	98.2	147.2
129 90.6	72.3	108.5
131 90.4	70.5	105.7





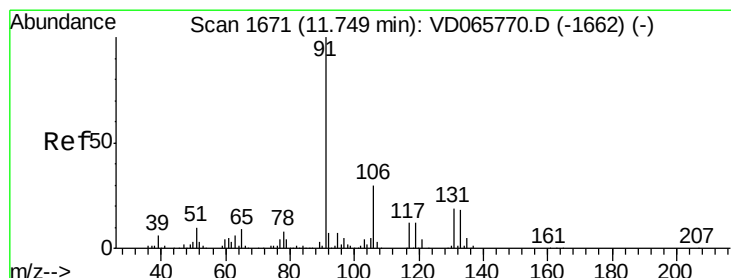
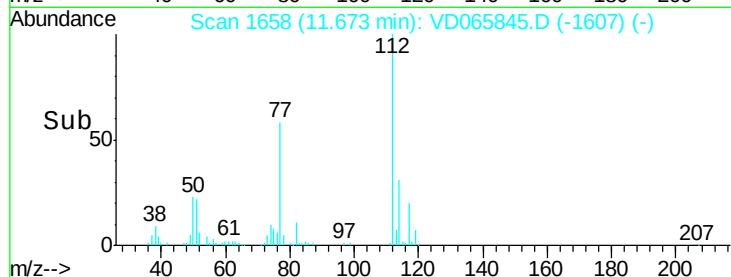
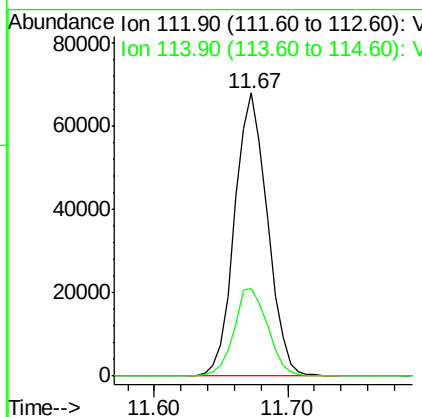
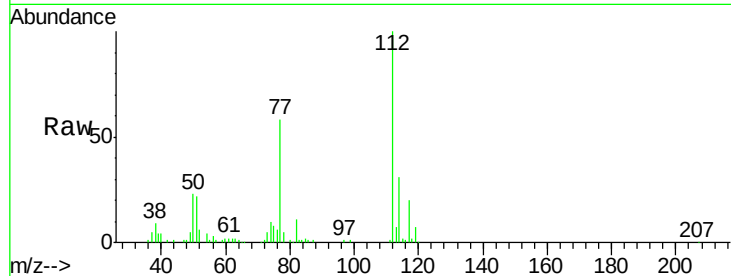
#65
Chlorobenzene
Concen: 21.403 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	24.7	37.1

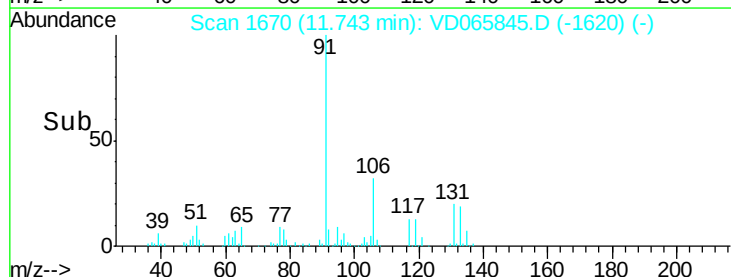
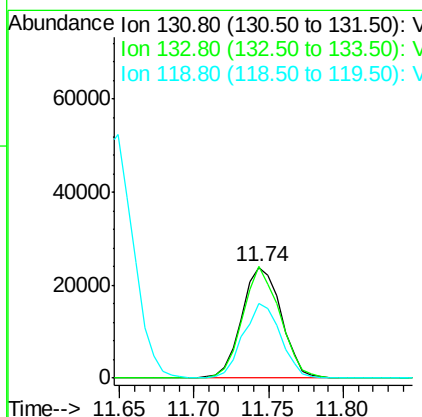
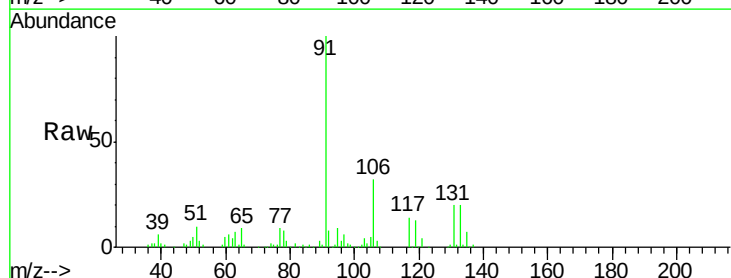
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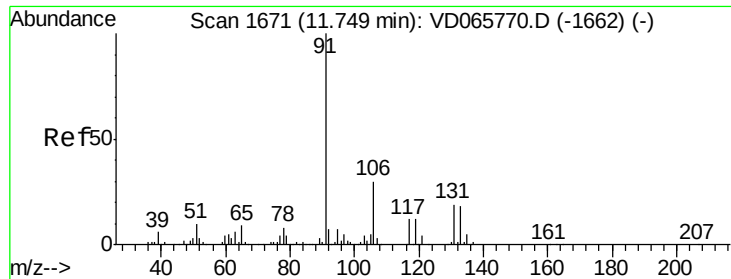
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.527 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	141.9
119	64.4	31.6	94.8





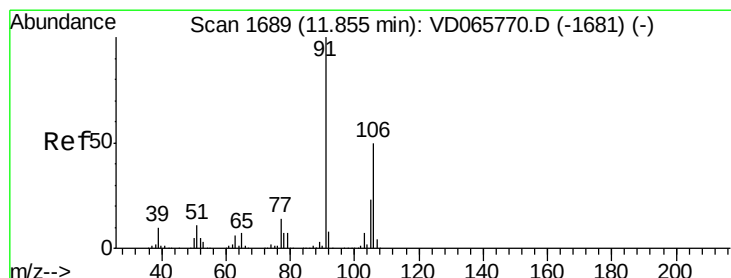
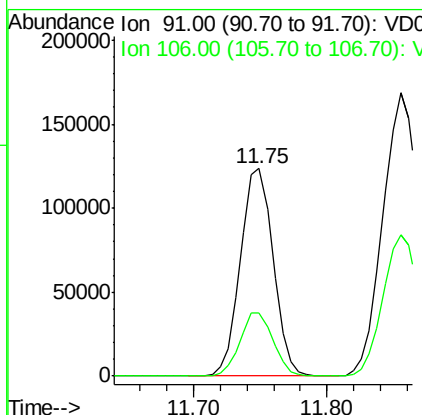
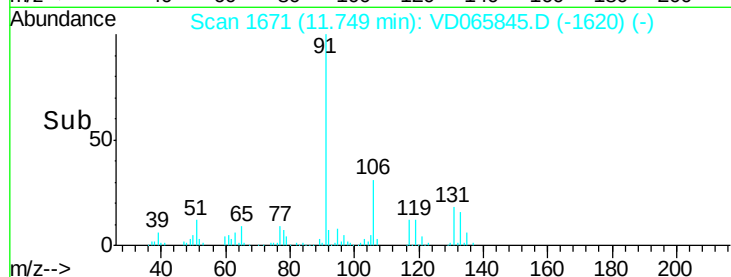
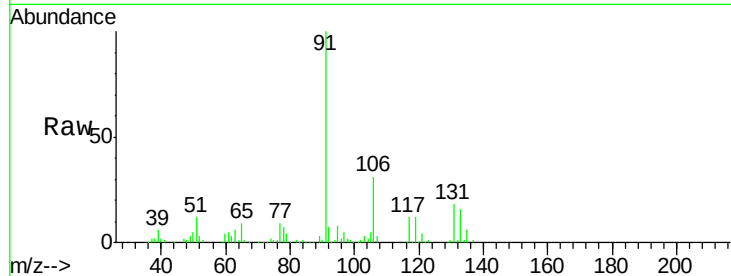
#67
Ethyl Benzene
Concen: 21.726 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.1	36.1

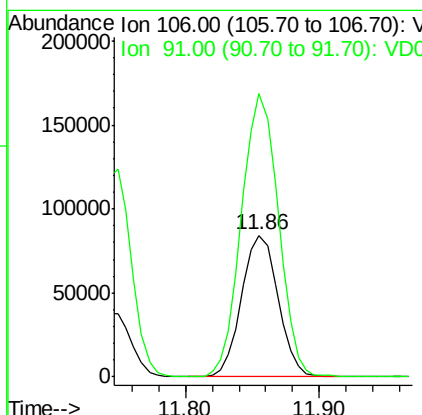
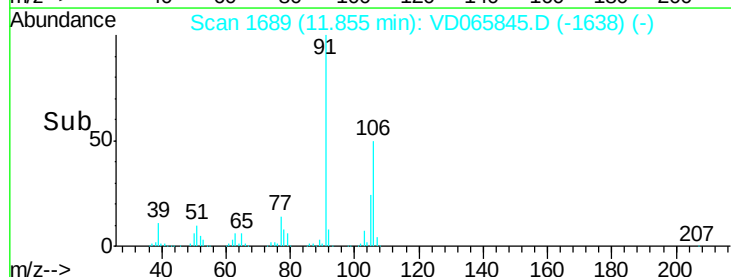
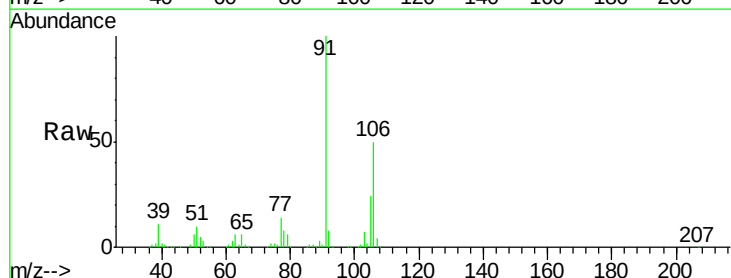
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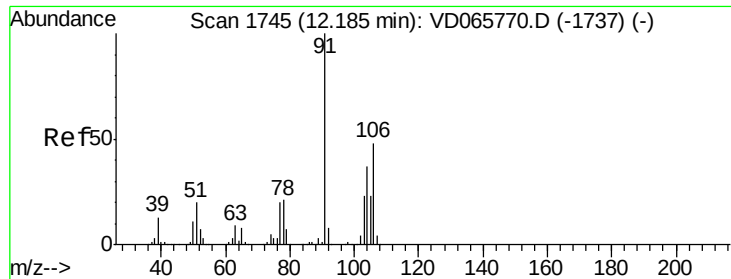
MMDadoda
6/23/2020 11:02:23 AM



#68
m/p-Xylenes
Concen: 42.738 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.0	159.4	239.2





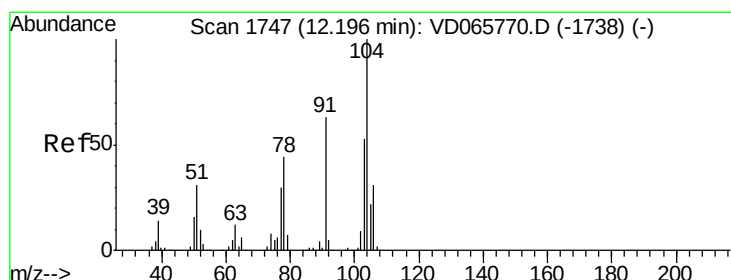
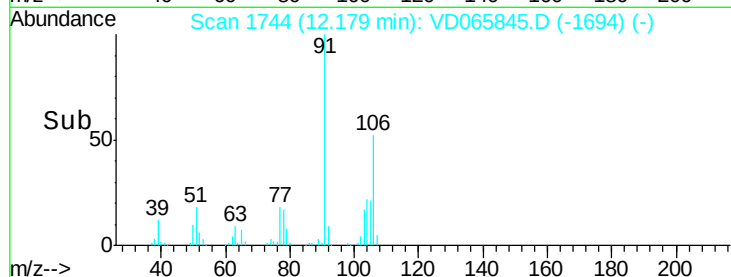
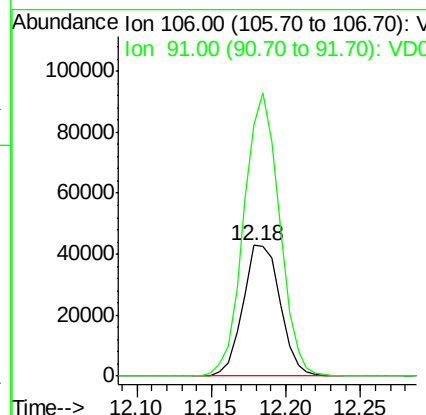
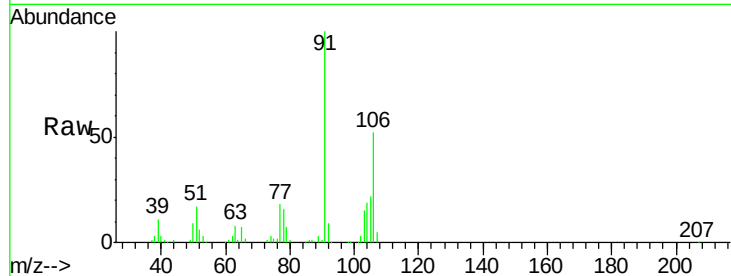
#69
o-Xylene
Concen: 22.033 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.9	105.3	315.8	

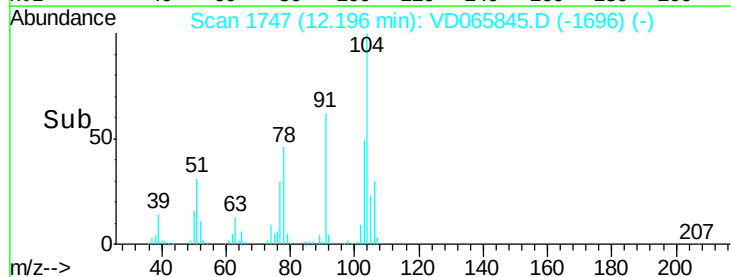
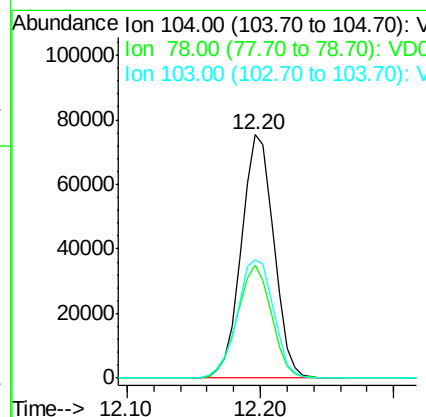
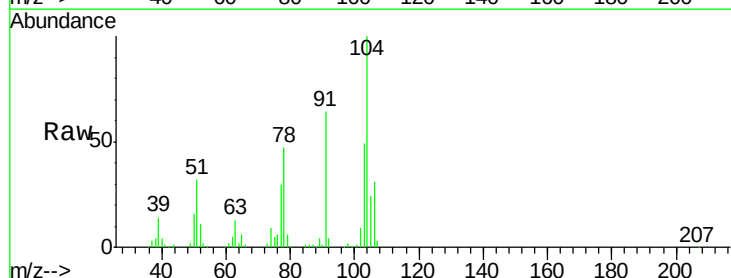
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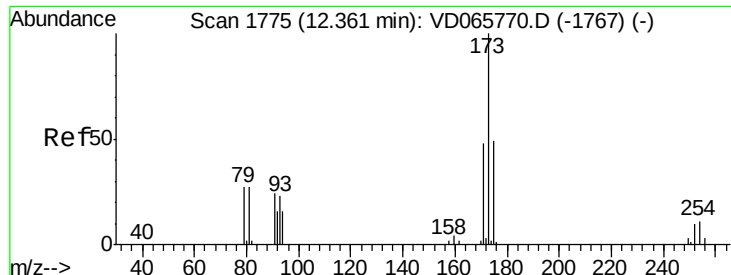
MMDadoda
6/23/2020 11:02:23 AM



#70
Styrene
Concen: 21.795 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	38.6	58.0	
103	54.6	43.9	65.9	





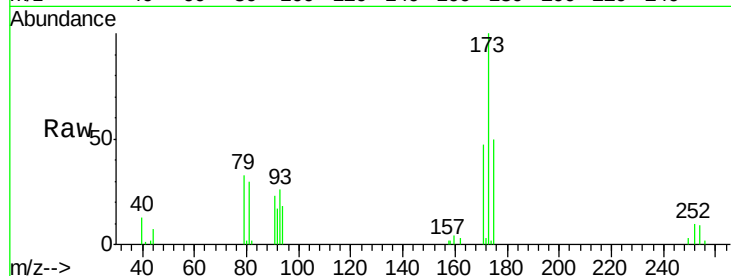
#71
Bromoform
Concen: 21.825 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

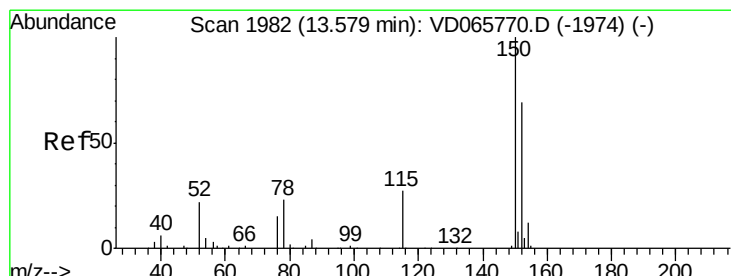
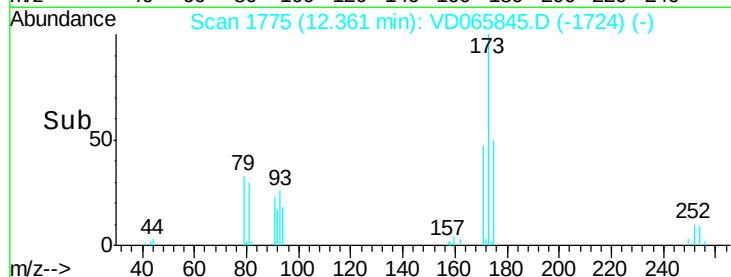
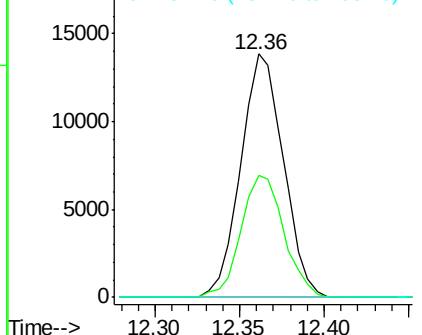
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.8	74.4
254	0.0	0.0	0.0

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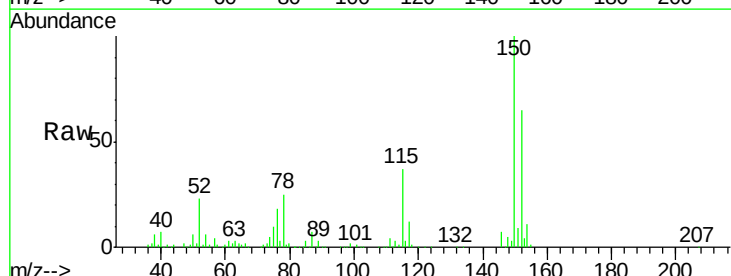


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

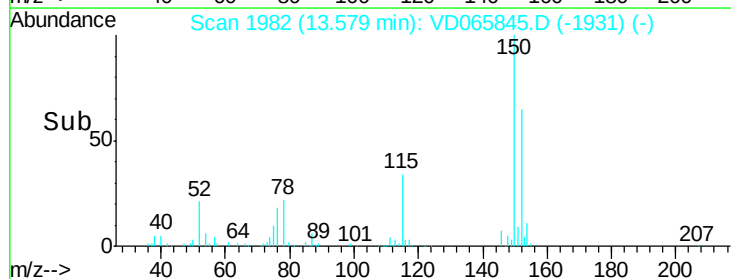
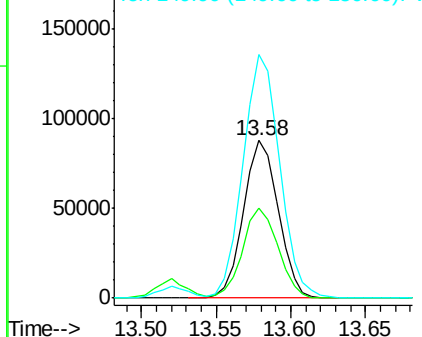


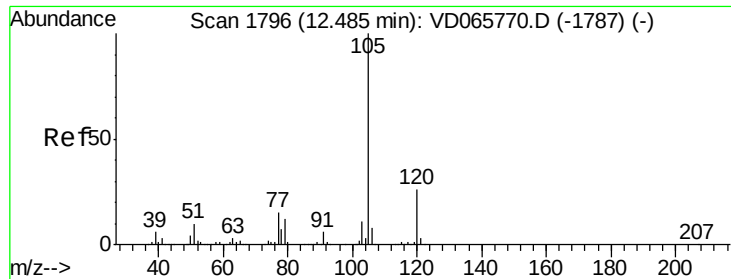
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.7	86.1
150	163.7	0.0	348.0



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





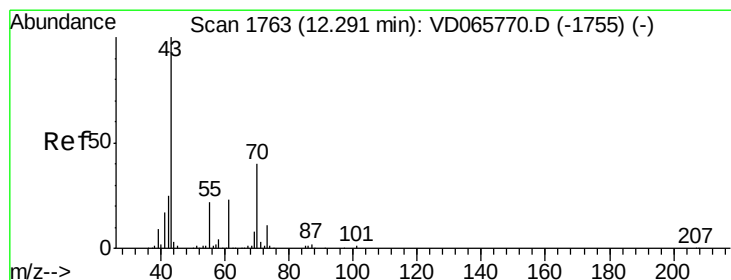
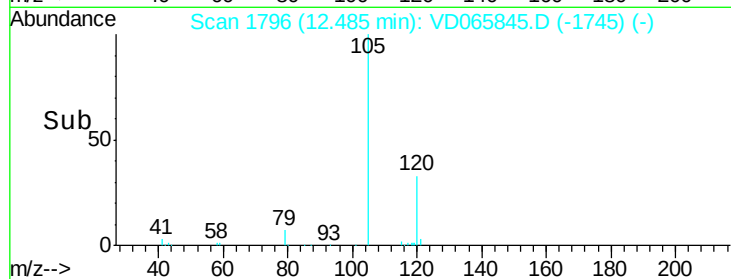
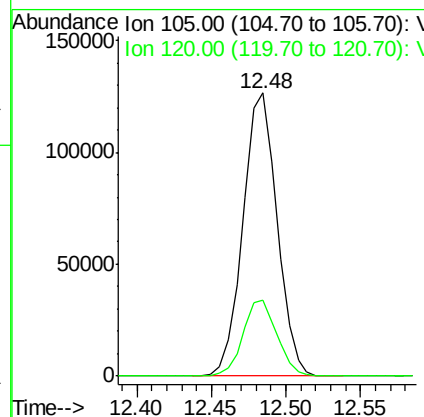
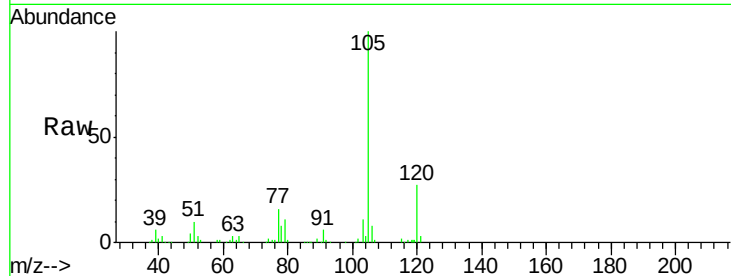
#73
Isopropylbenzene
Concen: 21.136 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200358		
120	26.7	13.5	40.5	

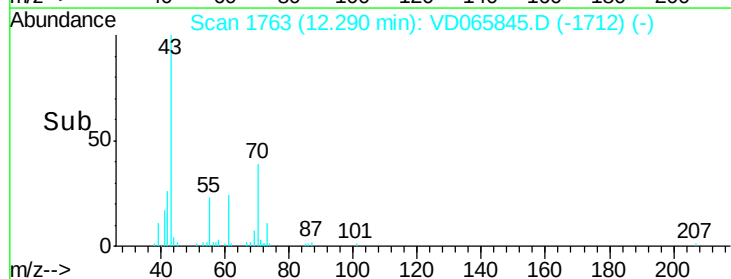
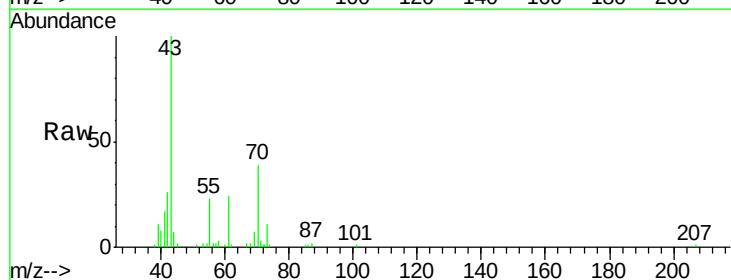
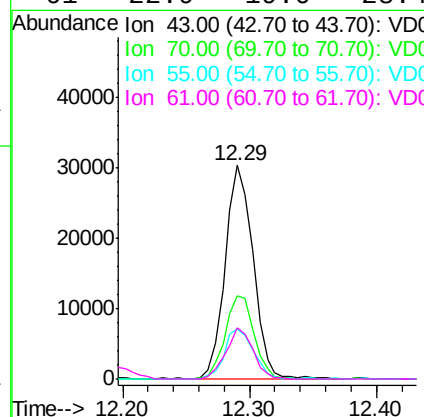
Manual Integrations
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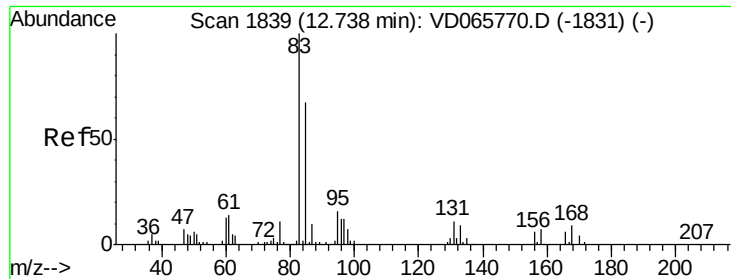
MMDadoda
6/23/2020 11:02:23 AM



#74
N-ethyl acetate
Concen: 22.098 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46602		
70	40.2	32.3	48.5	
55	24.2	19.0	28.4	
61	22.9	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.277 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

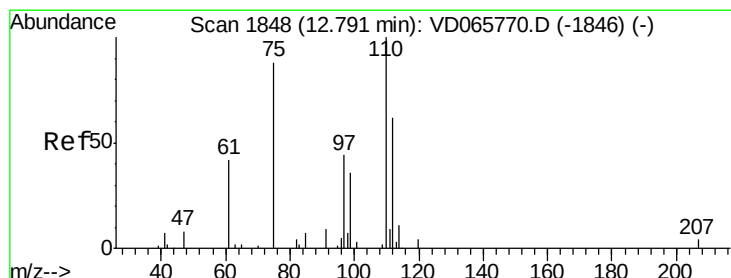
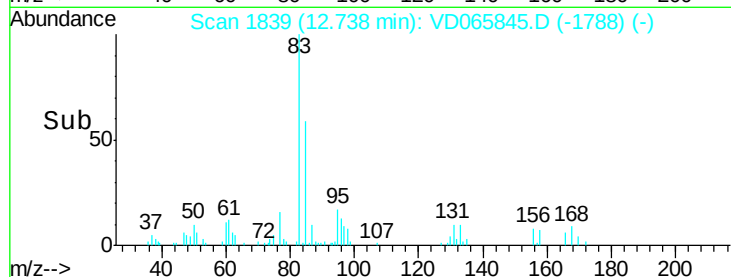
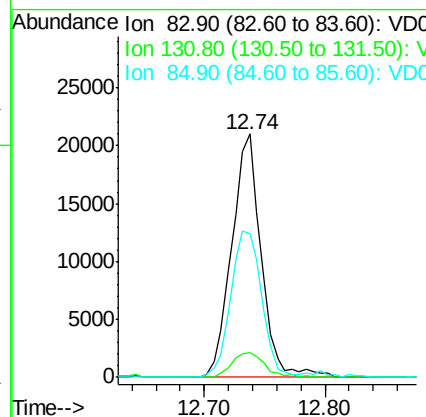
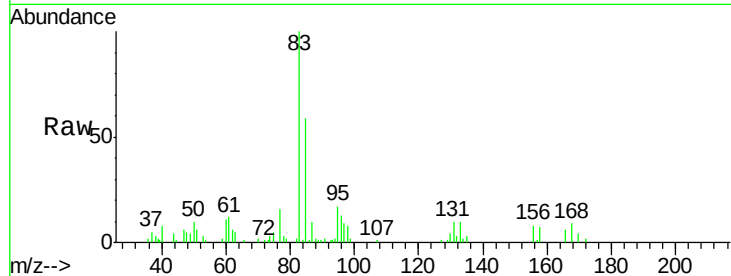
ClientSampleId :

VD0622SBS01

Tot Ion:	83	Resp:	35663
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	63.2	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 17.994 ug/l m

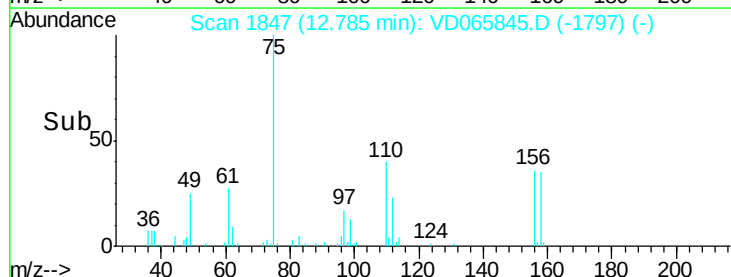
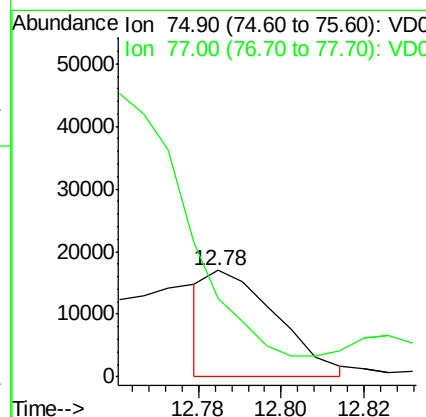
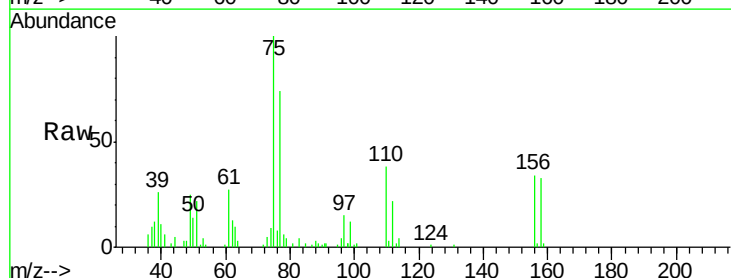
RT: 12.78 min Scan# 1847

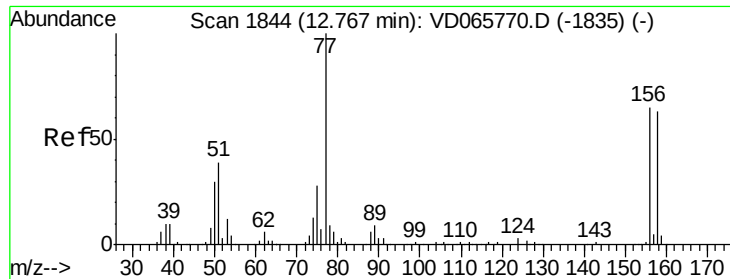
Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:	75	Resp:	19785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.286 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:156 Resp: 47740

Ion Ratio Lower Upper

156 100

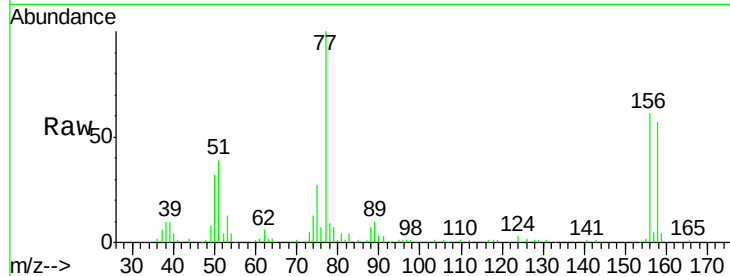
77 182.9 87.3 261.8

158 96.6 48.0 144.0

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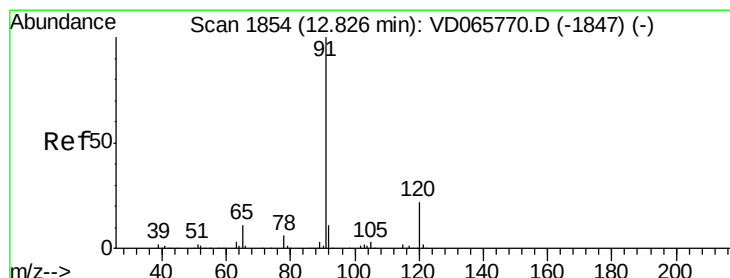
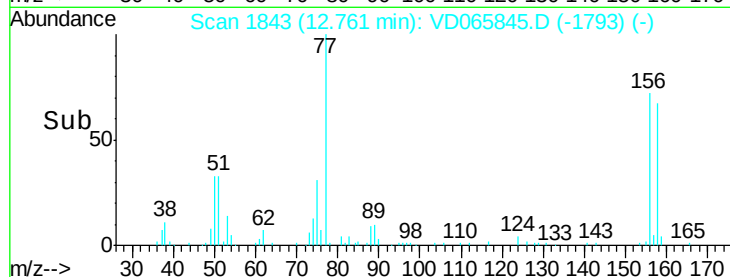
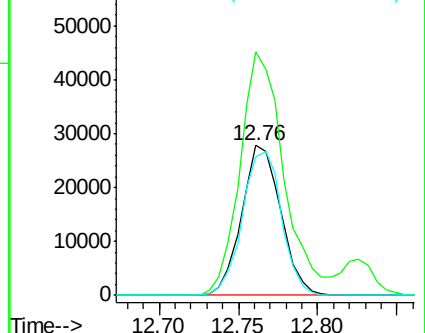
6/23/2020 11:02:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.560 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065845.D

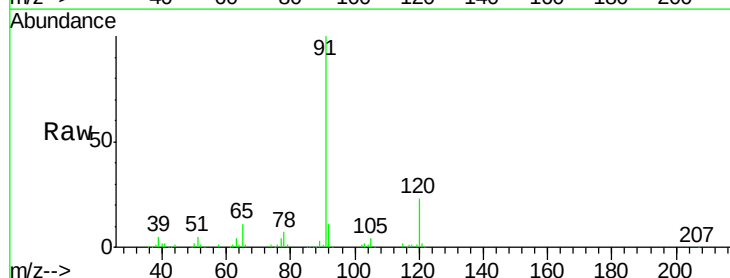
Acq: 22 Jun 2020 15:35

Tgt Ion: 91 Resp: 246005

Ion Ratio Lower Upper

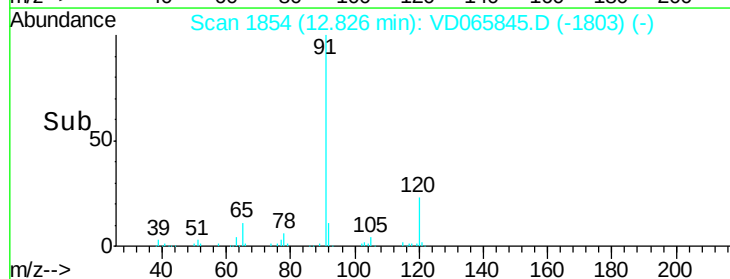
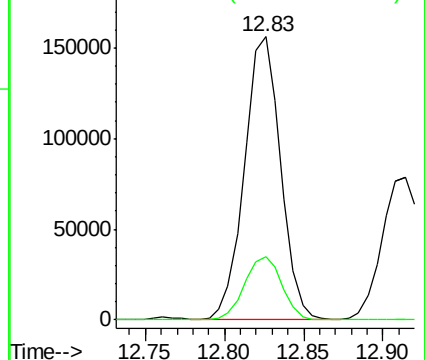
91 100

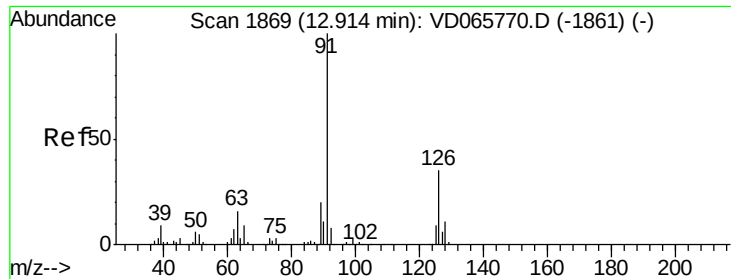
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.562 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 134966

Ion Ratio Lower Upper

91 100

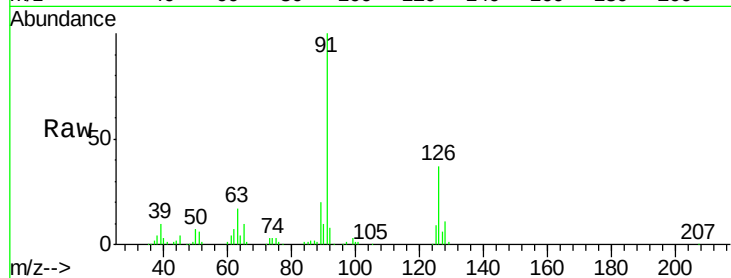
126 34.6 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065770.D (-1861) (-)

80000

60000

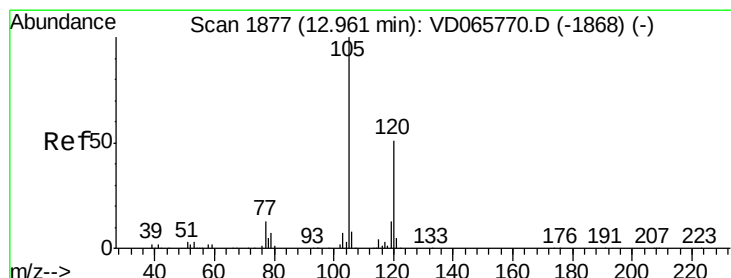
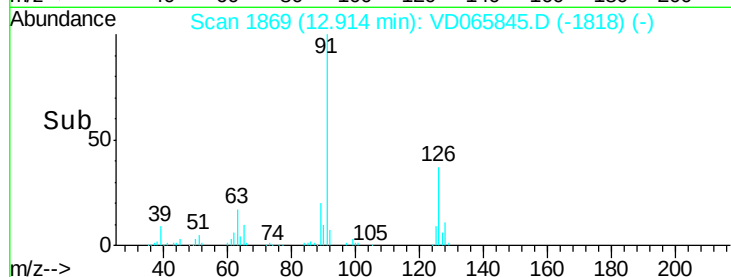
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.489 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065845.D

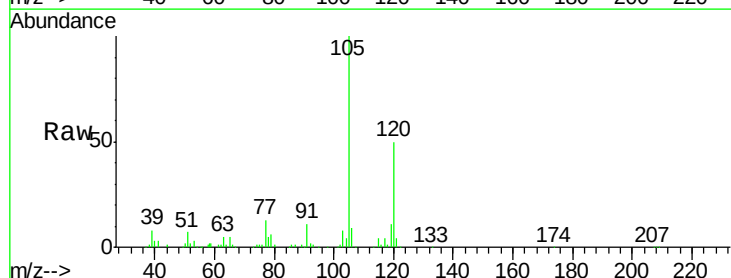
Acq: 22 Jun 2020 15:35

Tgt Ion:105 Resp: 169510

Ion Ratio Lower Upper

105 100

120 50.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD065770.D (-1868) (-)

120000

100000

80000

60000

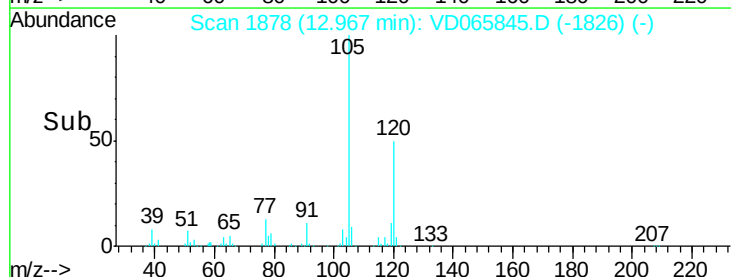
40000

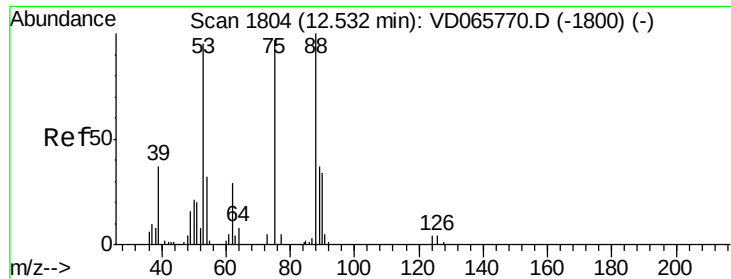
20000

0

12.90 12.95 13.00

Time-->





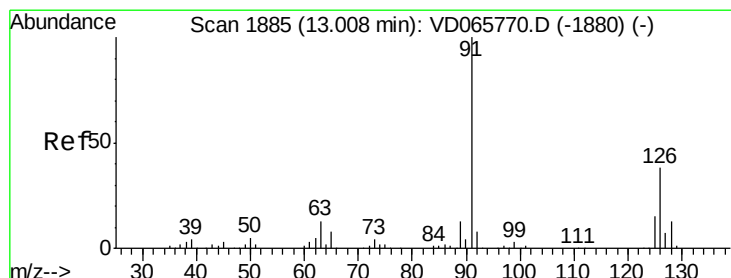
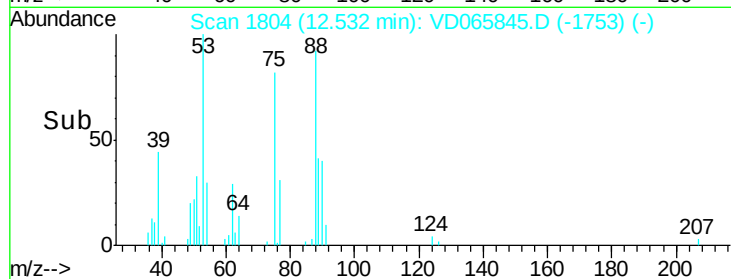
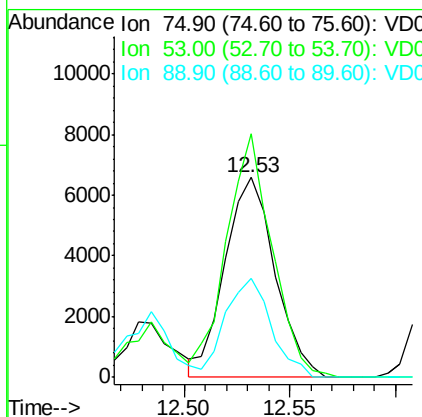
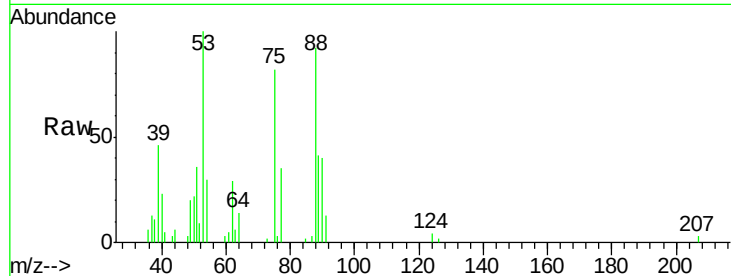
#81
trans-1,4-Dichloro-2-butene
Concen: 21.263 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	82.6	123.8
89	45.0	35.9	53.9

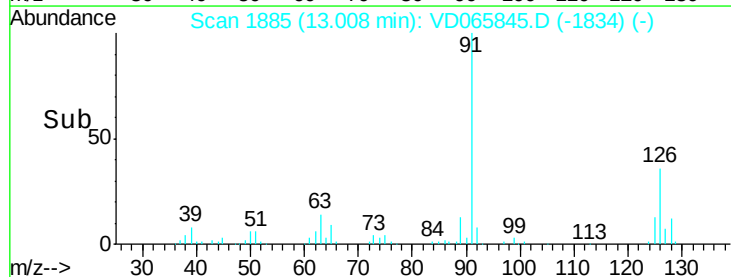
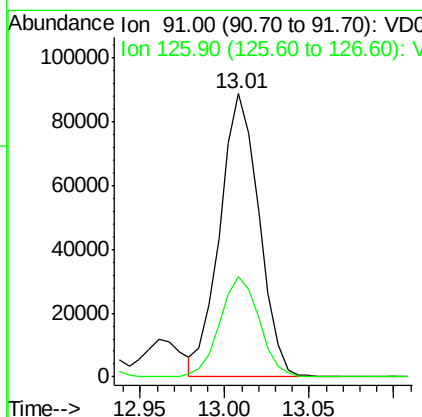
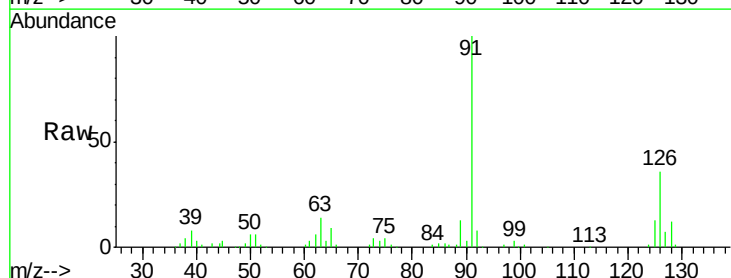
Manual Integrations
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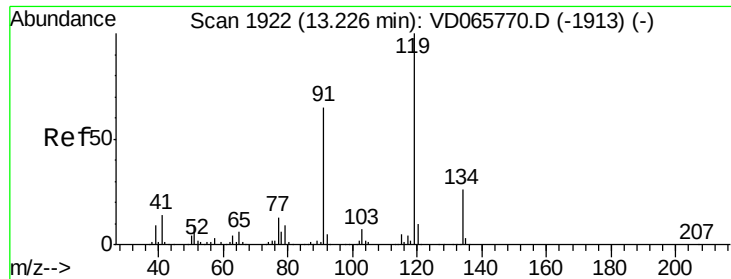
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.336 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





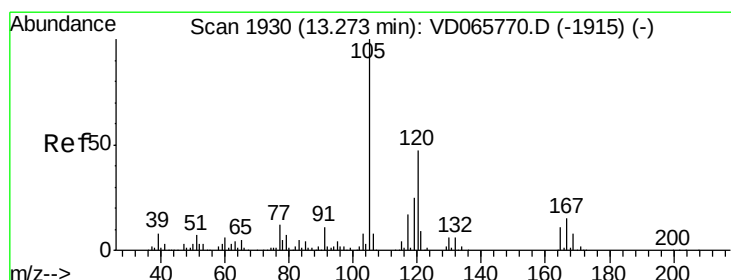
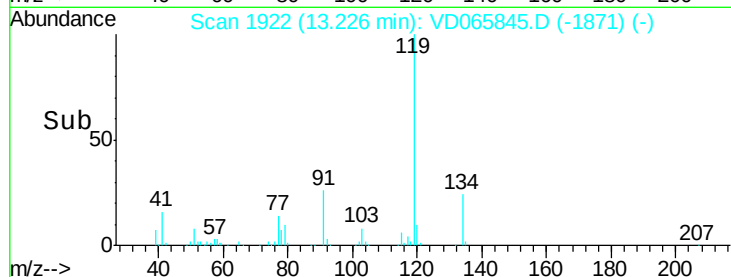
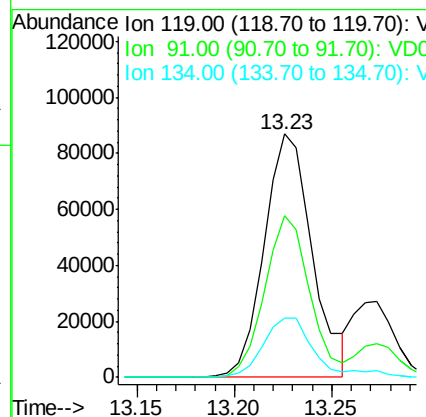
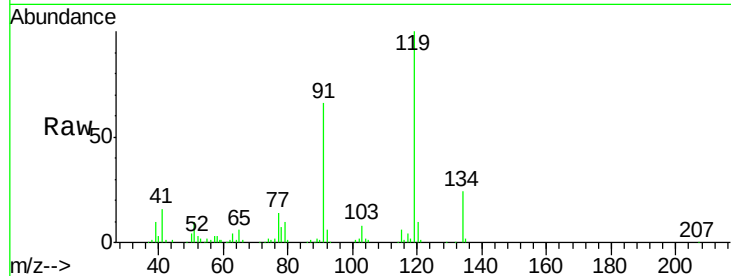
#83
tert-Butylbenzene
Concen: 21.628 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.0	96.0
134	26.5	13.8	41.4

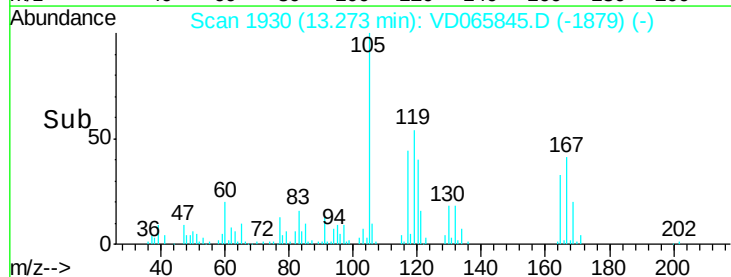
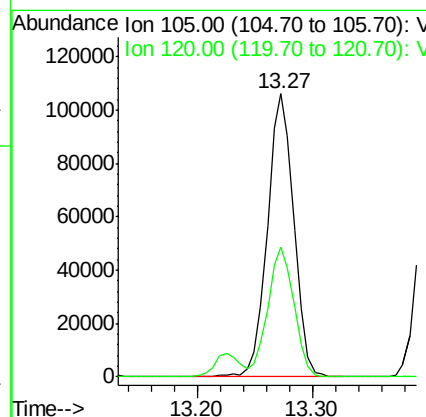
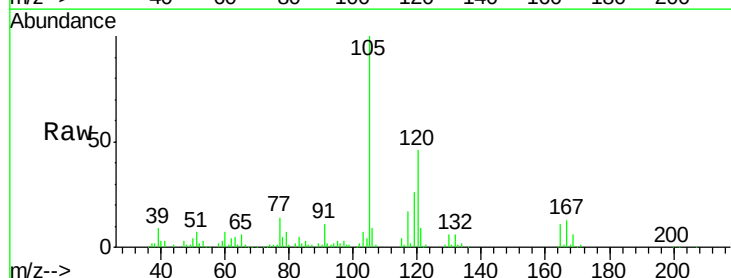
Manual Integrations
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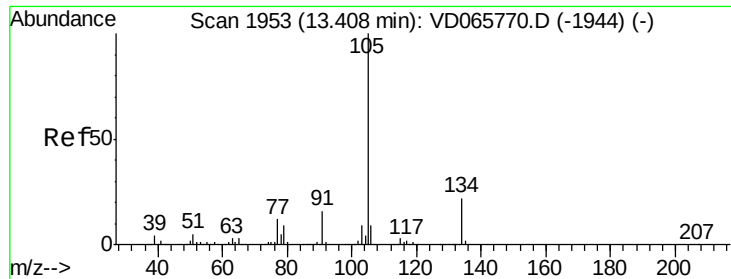
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.465 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 21.421 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:105 Resp: 204045

Ion Ratio Lower Upper

105 100

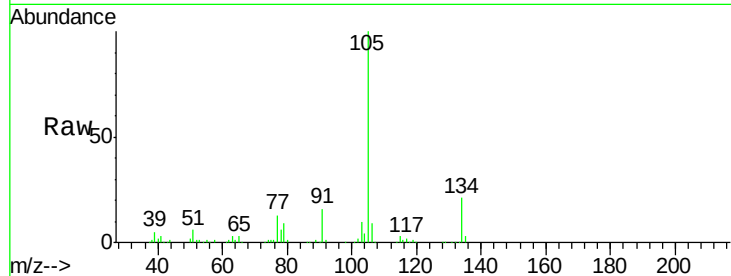
134 20.7 10.4 31.4

Manual Integrations

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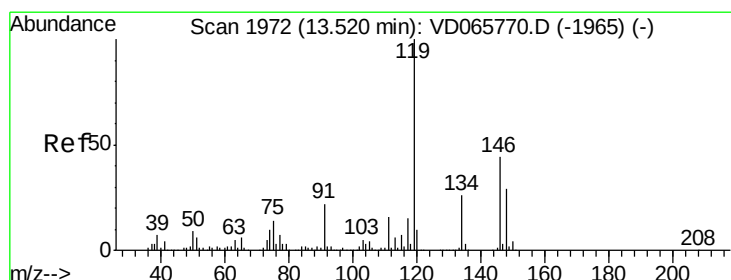
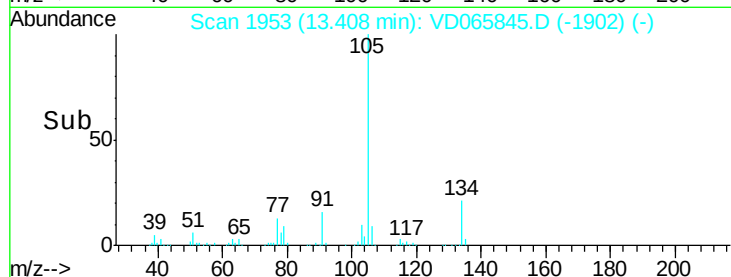
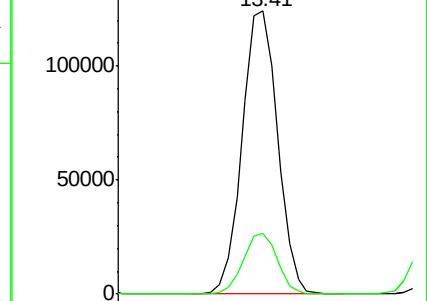
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.637 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

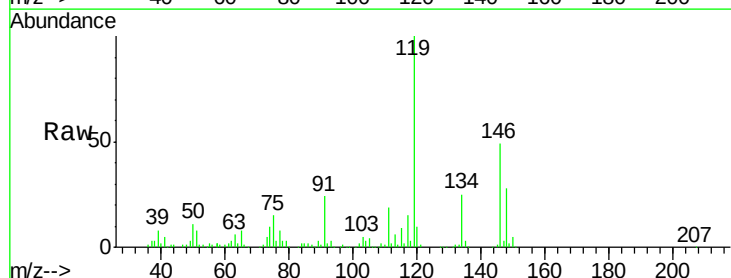
Tgt Ion:119 Resp: 188902

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

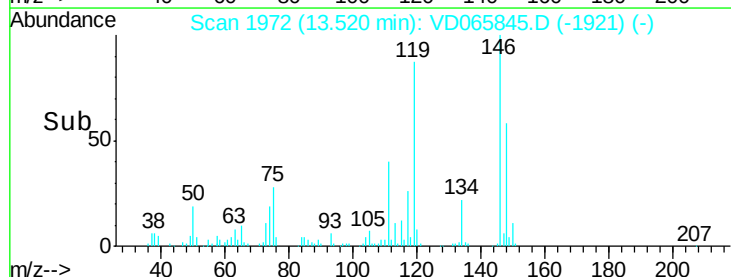
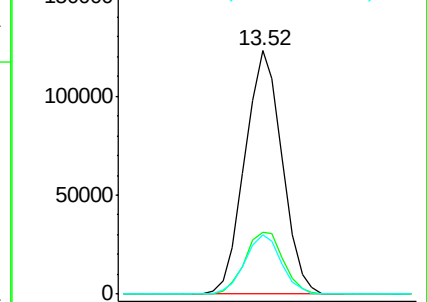
91 23.9 11.8 35.4

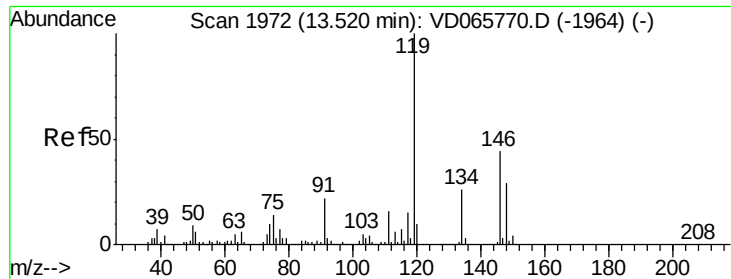


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





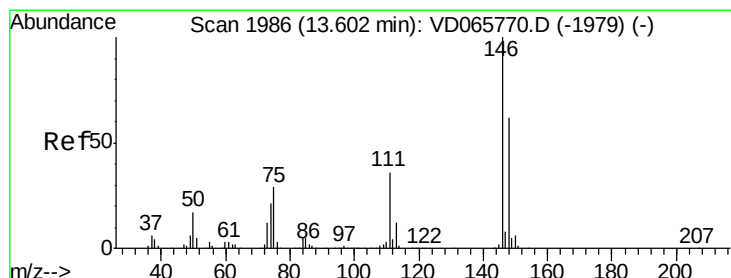
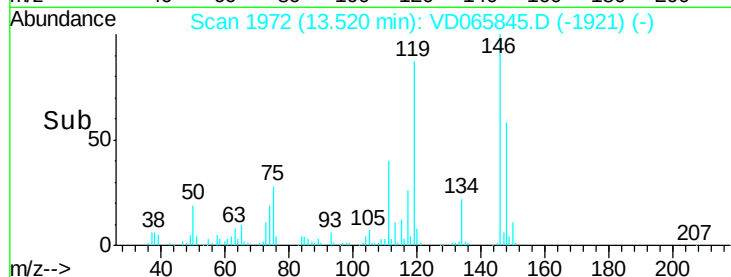
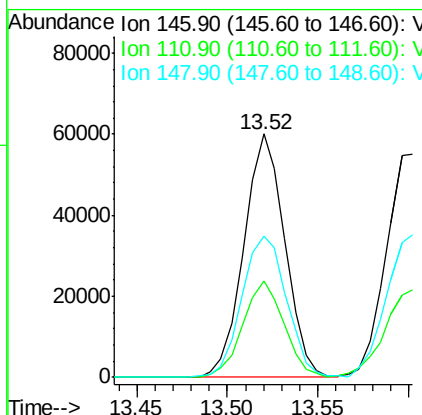
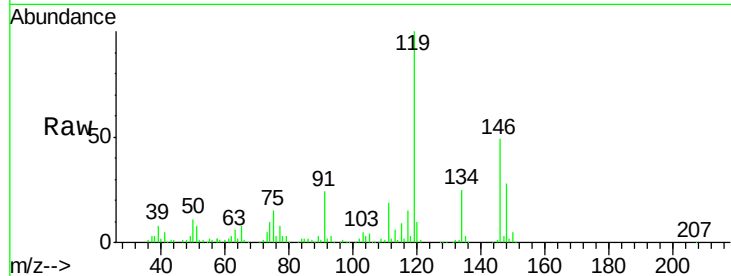
#87
 1,3-Dichlorobenzene
 Concen: 21.363 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.2	57.6
148	63.1	32.1	96.3

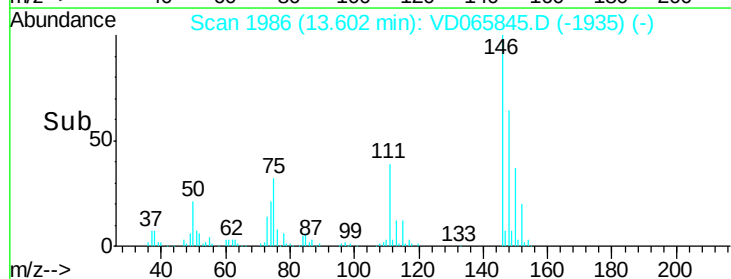
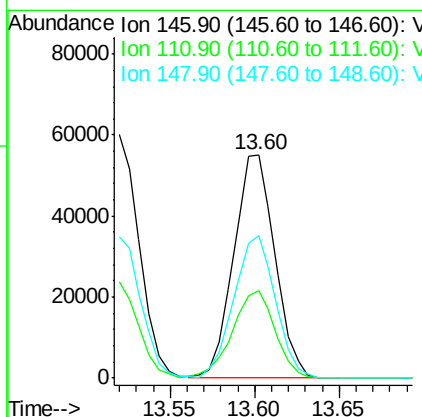
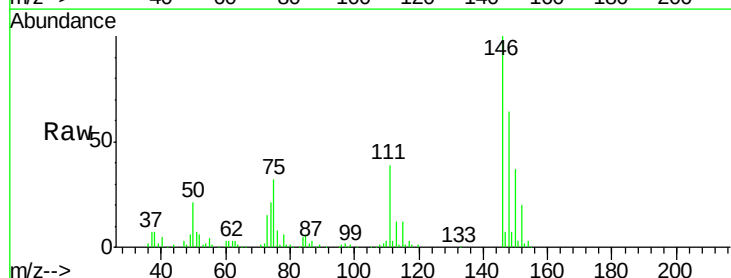
Manual Integrations
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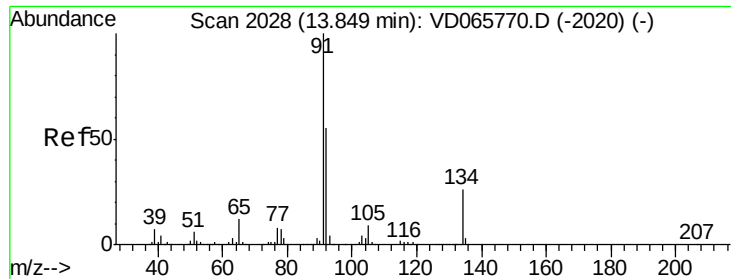
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 6/23/2020 11:02:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.214 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.9	56.7
148	64.3	31.6	94.7





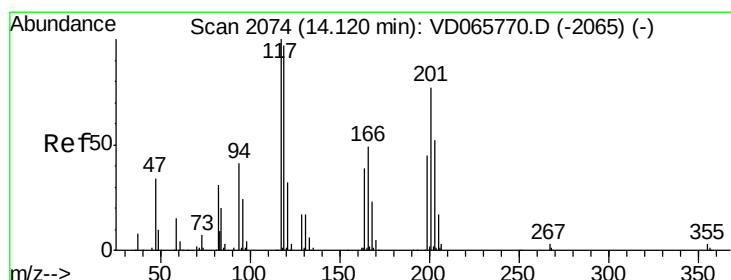
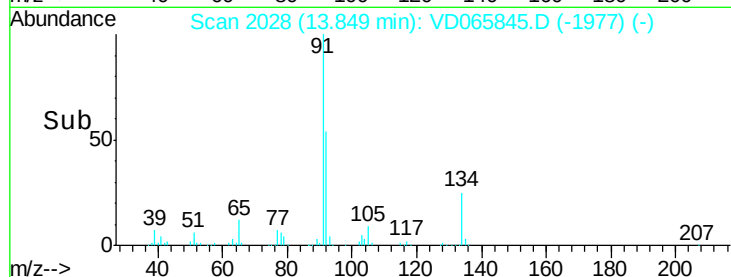
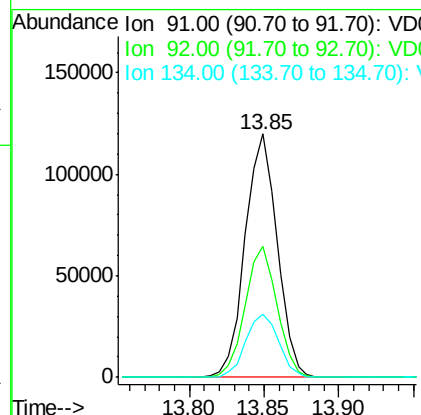
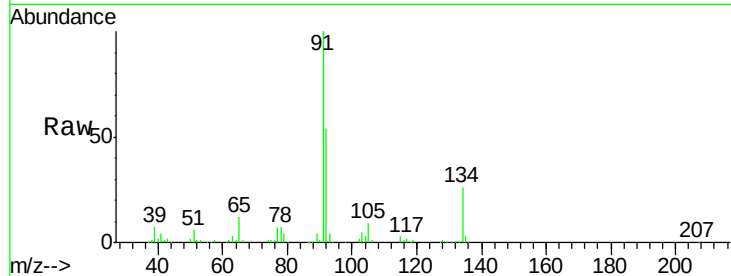
#89
n-Butylbenzene
Concen: 21.425 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	178401		
92	53.4	27.0	81.0	
134	26.6	13.0	39.0	

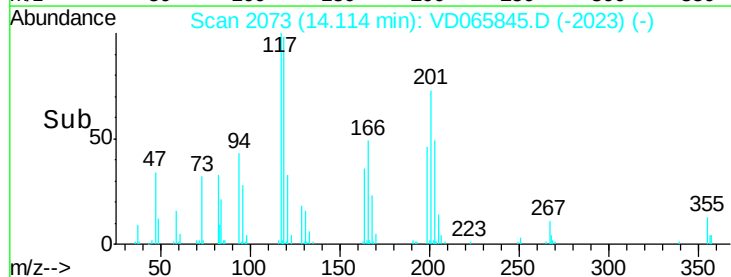
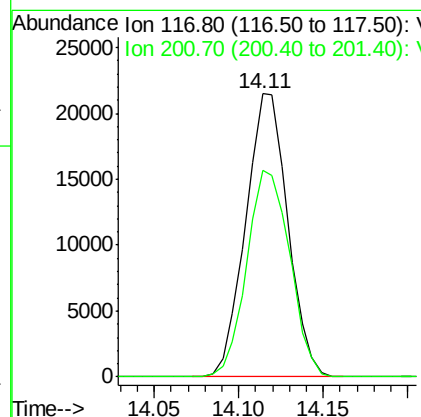
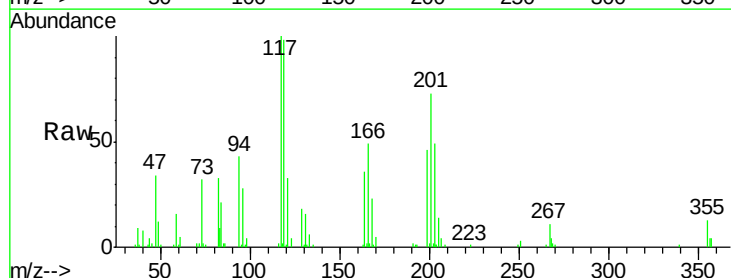
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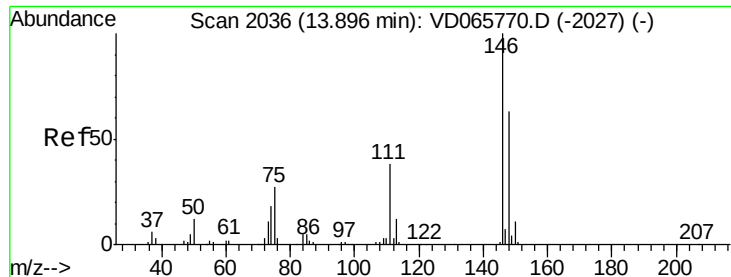
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#90
Hexachloroethane
Concen: 21.371 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37348		
201	74.3	37.1	111.5	





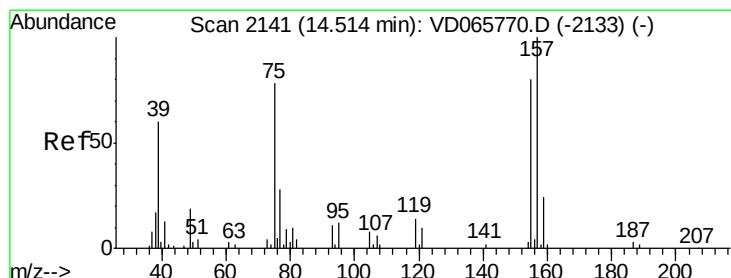
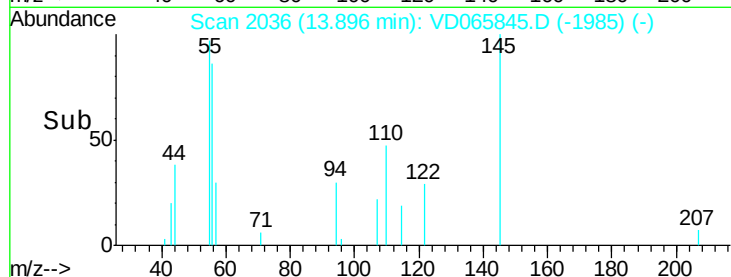
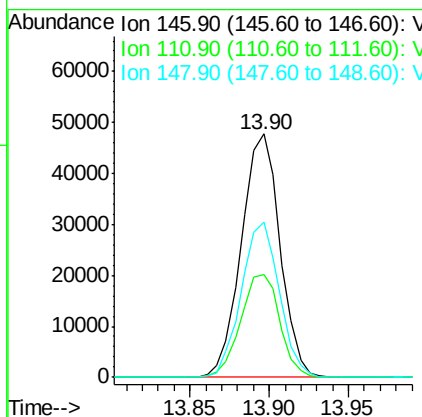
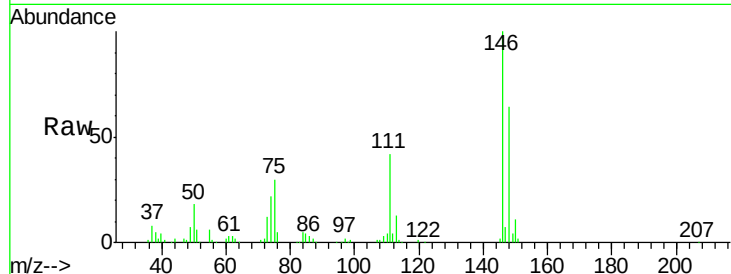
#91
 1,2-Dichlorobenzene
 Concen: 21.277 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.8	59.4
148	62.9	31.9	95.7

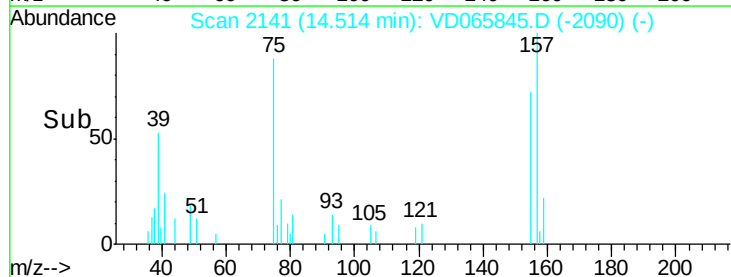
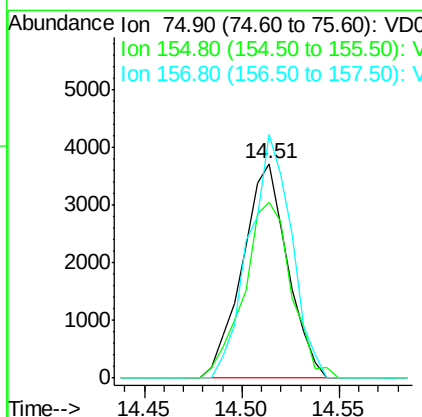
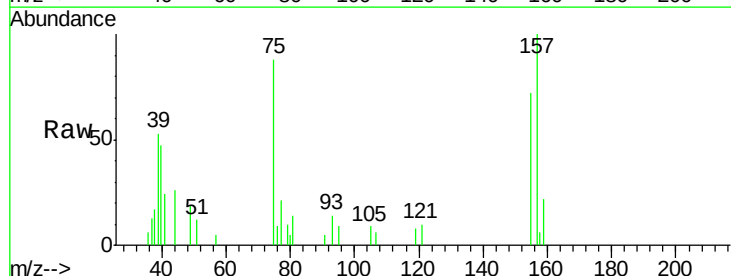
Manual Integrations
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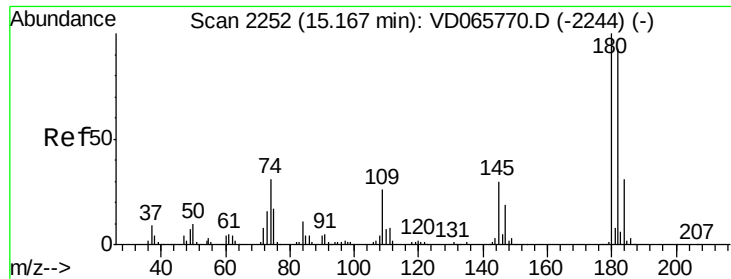
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.318 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	46.3	138.9
157	107.1	58.1	174.3





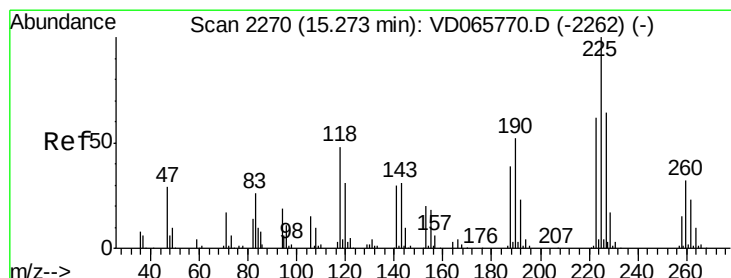
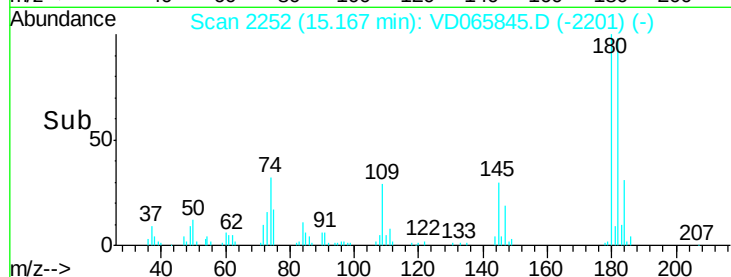
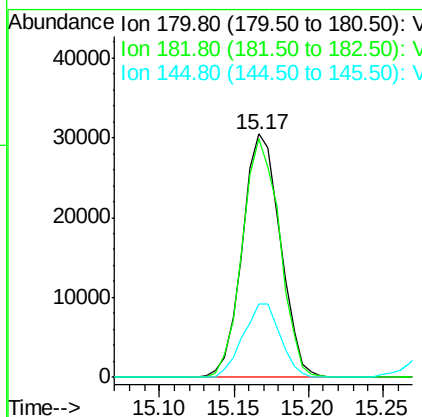
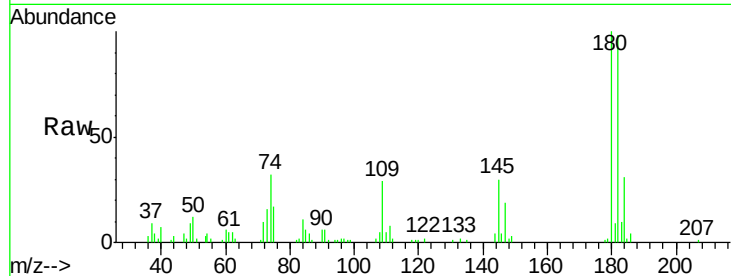
#93
 1,2,4-Trichlorobenzene
 Concen: 20.723 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	29.5	14.9	44.9

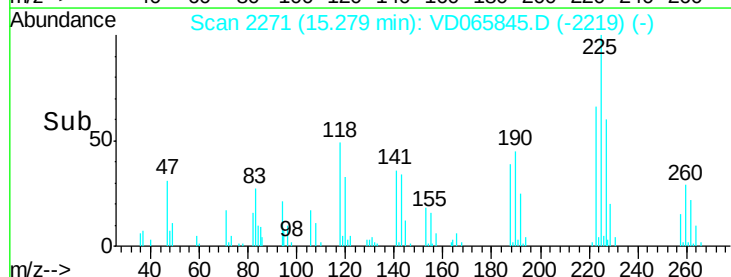
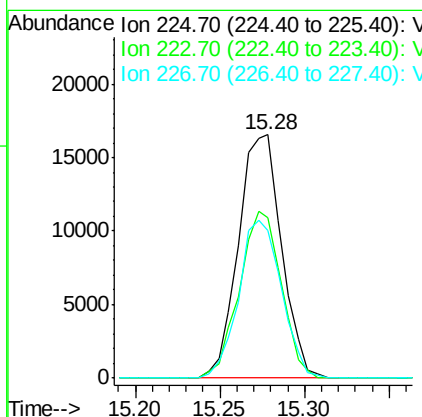
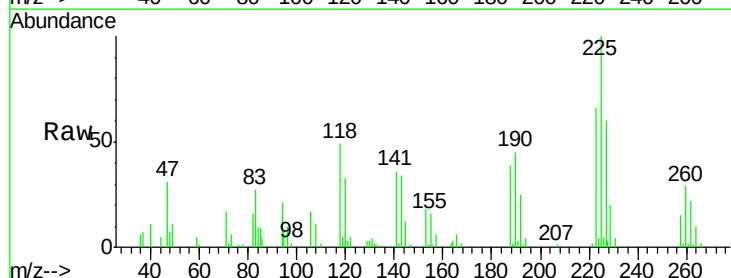
Manual Integrations
 APPROVED

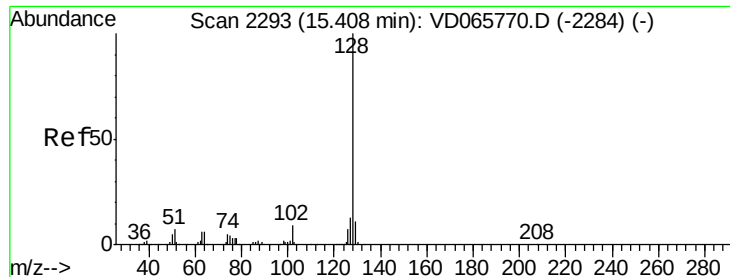
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#94
 Hexachlorobutadiene
 Concen: 18.779 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	30.9	92.7
227	64.5	31.9	95.7





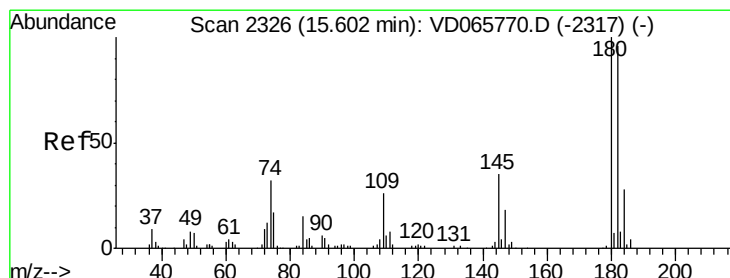
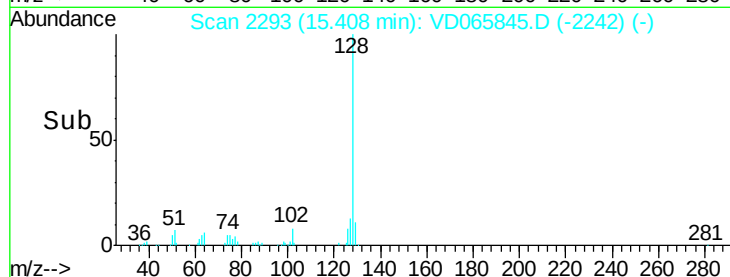
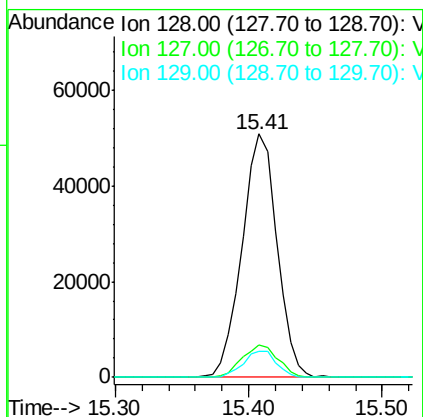
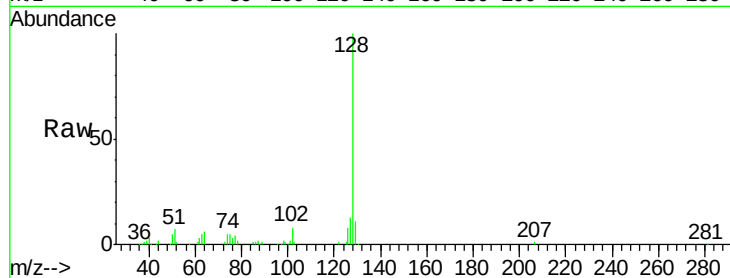
#95
Naphthalene
Concen: 20.975 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.806 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.0	141.2
145	30.9	16.2	48.6

