

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066859.D
 Acq On : 24 Sep 2020 18:56
 Operator : VA/SY
 Sample : L4127-04MS
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:14 PM

Quant Time: Sep 25 02:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	304491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	519455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	406780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163307	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	164358	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	502625	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.63	95	143141	37.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114541	54.468	ug/l	92
3) Chloromethane	2.21	50	150550	53.813	ug/l	95
4) Vinyl Chloride	2.35	62	144898	52.425	ug/l	93
5) Bromomethane	2.77	94	107166	55.164	ug/l	96
6) Chloroethane	2.93	64	94919	55.302	ug/l	98
7) Trichlorofluoromethane	3.27	101	274015	48.274	ug/l	100
8) Diethyl Ether	3.71	74	87312	60.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	138250	42.003	ug/l	99
10) Methyl Iodide	4.30	142	149600	51.506	ug/l	98
11) Tert butyl alcohol	5.22	59	46615	261.023	ug/l	99
12) 1,1-Dichloroethene	4.07	96	155180	52.045	ug/l	99
13) Acrolein	3.92	56	51056	232.230	ug/l	97
14) Allyl chloride	4.71	41	249056	56.885	ug/l	98
15) Acrylonitrile	5.42	53	174269	272.886	ug/l	100
16) Acetone	4.16	43	179174	283.409	ug/l	100
17) Carbon Disulfide	4.41	76	436252	47.857	ug/l	98
18) Methyl Acetate	4.72	43	121595	89.033	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	398790	61.588	ug/l	99
20) Methylene Chloride	4.97	84	228685	69.266	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	186868	54.127	ug/l	90
22) Diisopropyl ether	6.36	45	562914	62.531	ug/l	98
23) Vinyl Acetate	6.31	43	1007081m	206.520	ug/l	
24) 1,1-Dichloroethane	6.27	63	337153	55.984	ug/l #	98
25) 2-Butanone	7.21	43	202600	266.668	ug/l	98
26) 2,2-Dichloropropane	7.21	77	274083	49.655	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	214246	57.115	ug/l	99
28) Bromochloromethane	7.55	49	150333	60.424	ug/l	98
29) Tetrahydrofuran	7.56	42	136315	280.018	ug/l	97
30) Chloroform	7.71	83	362306	55.811	ug/l	99
31) Cyclohexane	7.98	56	161415	29.788	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	291827	49.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	221100	42.904	ug/l	99
37) Ethyl Acetate	7.29	43	90377	48.511	ug/l	98
38) Carbon Tetrachloride	8.10	117	237320	42.122	ug/l	99

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 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118945	20.103	ug/l	92
40) Benzene	8.35	78	731982	50.965	ug/l	96
41) Methacrylonitrile	7.53	41	60085m	52.445	ug/l	
42) 1,2-Dichloroethane	8.43	62	214746	50.577	ug/l	99
43) Isopropyl Acetate	8.45	43	177848	49.515	ug/l	99
44) Trichloroethene	9.11	130	181478	44.330	ug/l	100
45) 1,2-Dichloropropane	9.38	63	186910	51.724	ug/l	99
46) Dibromomethane	9.47	93	100591	51.234	ug/l	99
47) Bromodichloromethane	9.66	83	269581	51.113	ug/l	99
48) Methyl methacrylate	9.46	41	101465	57.296	ug/l	93
49) 1,4-Dioxane	9.46	88	26544	1214.412	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	484702	266.324	ug/l	98
52) Toluene	10.40	92	419682	45.364	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	220988	49.228	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	274506	50.150	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	145735	53.995	ug/l	94
56) Ethyl methacrylate	10.66	69	160018	55.342	ug/l	96
57) 1,3-Dichloropropane	10.94	76	221157	49.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	340469	248.683	ug/l	99
59) 2-Hexanone	10.98	43	347537	283.162	ug/l	98
60) Dibromochloromethane	11.14	129	166558	47.282	ug/l	99
61) 1,2-Dibromoethane	11.24	107	122934	48.968	ug/l	96
64) Tetrachloroethene	10.87	164	127651	43.626	ug/l	97
65) Chlorobenzene	11.67	112	399764	47.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	167183	52.168	ug/l	99
67) Ethyl Benzene	11.74	91	662492	44.548	ug/l	98
68) m/p-Xylenes	11.85	106	511669	90.875	ug/l	99
69) o-Xylene	12.18	106	255649	50.213	ug/l	99
70) Styrene	12.20	104	405792	45.896	ug/l	99
71) Bromoform	12.36	173	81648	50.320	ug/l #	100
73) Isopropylbenzene	12.48	105	490606	55.117	ug/l	99
74) N-amyl acetate	12.28	43	186515	107.300	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.73	83	117839	76.721	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	78520m	76.896	ug/l	
77) Bromobenzene	12.76	156	137654	66.123	ug/l	99
78) n-propylbenzene	12.82	91	496656	46.379	ug/l	99
79) 2-Chlorotoluene	12.91	91	335958	55.054	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	448640	59.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34241	83.896	ug/l	93
82) 4-Chlorotoluene	13.01	91	323193	50.242	ug/l	99
83) tert-Butylbenzene	13.23	119	273191	44.018	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	551464	73.633	ug/l	100
85) sec-Butylbenzene	13.40	105	298666	33.465	ug/l	99
86) p-Isopropyltoluene	13.52	119	295000	36.670	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172331	41.900	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175337	42.923	ug/l	96
89) n-Butylbenzene	13.84	91	222760	29.133	ug/l	92
90) Hexachloroethane	14.11	117	59069	36.167	ug/l	86
91) 1,2-Dichlorobenzene	13.89	146	160807	45.700	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18234	73.798	ug/l	88

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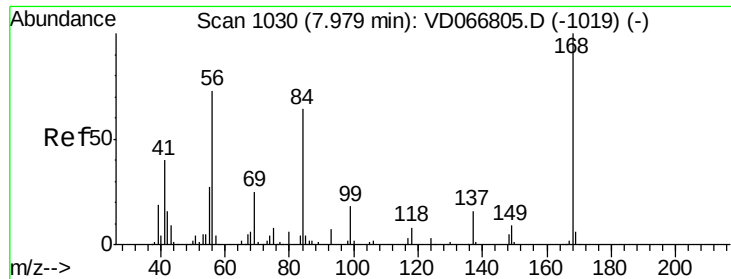
Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:14 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47315	21.360	ug/l #	79
94) Hexachlorobutadiene	15.27	225	13508	10.176	ug/l	94
95) Naphthalene	15.41	128	250171	66.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41387	21.647	ug/l #	68

(#) = 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. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion:168 Resp: 304491

Ion Ratio Lower Upper

168 100

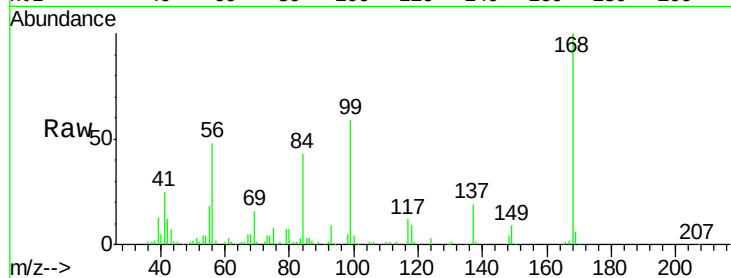
99 58.5 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

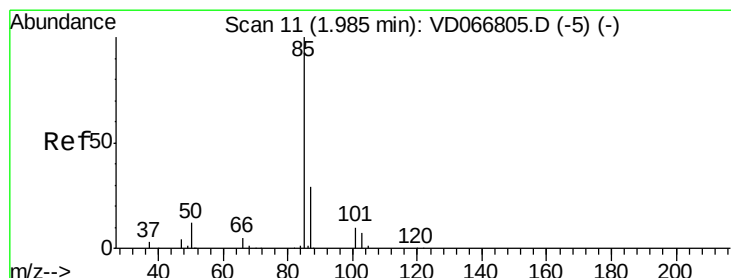
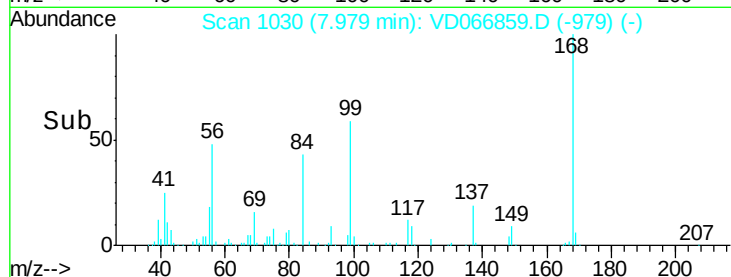
100000

50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.468 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066859.D

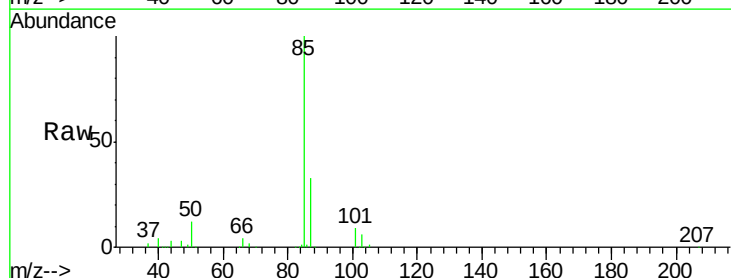
Acq: 24 Sep 2020 18:56

Tgt Ion: 85 Resp: 114541

Ion Ratio Lower Upper

85 100

87 33.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

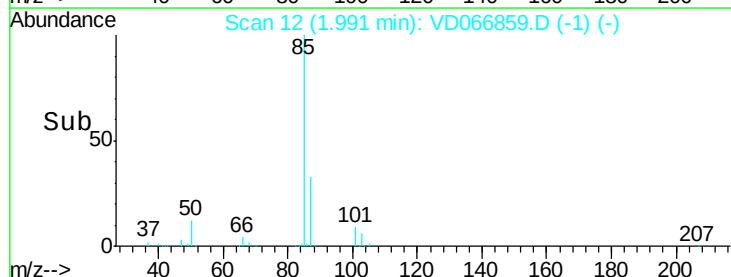
40000

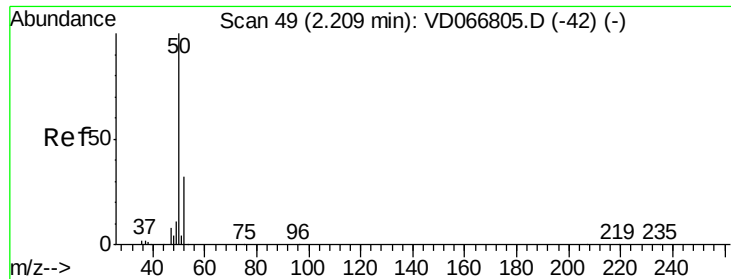
20000

0

1.95 1.99 2.00 2.05

Time-->





#3

Chloromethane

Concen: 53.813 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 50 Resp: 150550

Ion Ratio Lower Upper

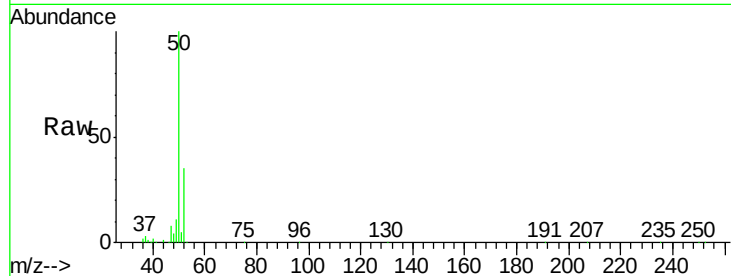
50 100

52 34.5 25.5 38.3

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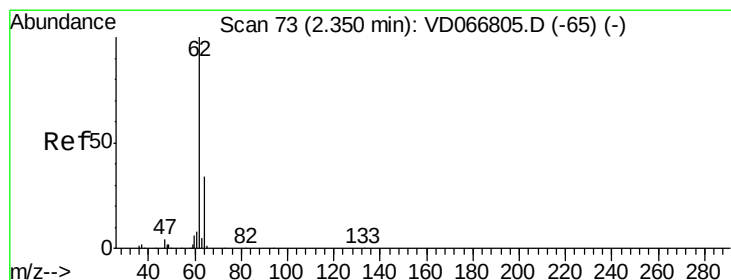
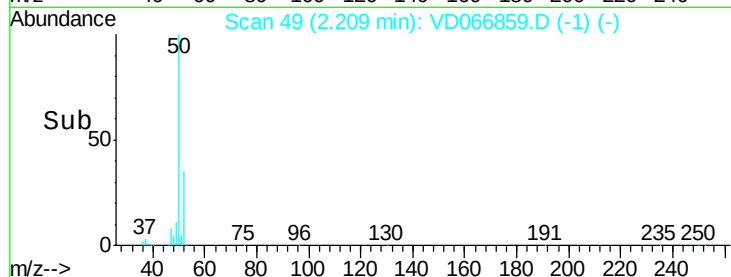
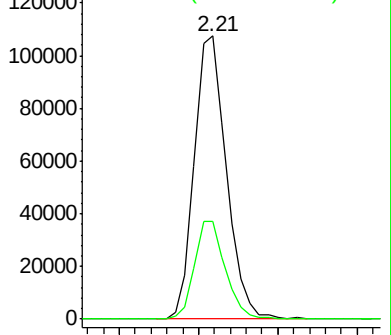
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.425 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066859.D

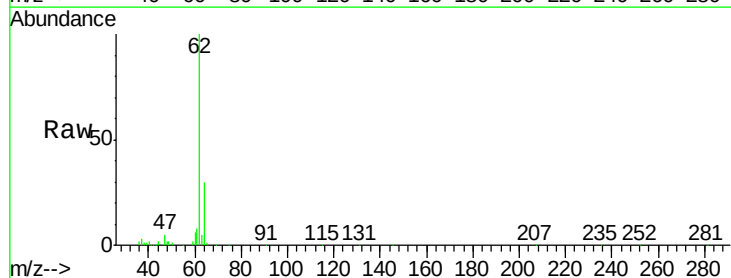
Acq: 24 Sep 2020 18:56

Tgt Ion: 62 Resp: 144898

Ion Ratio Lower Upper

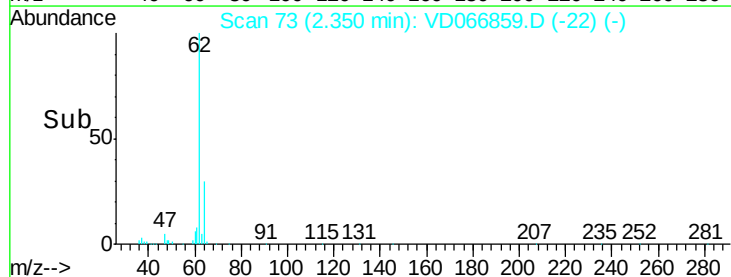
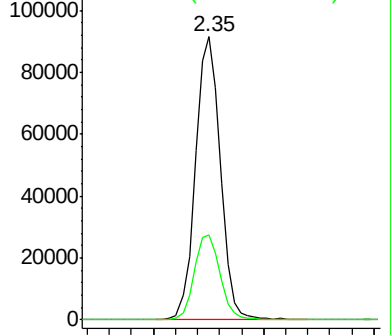
62 100

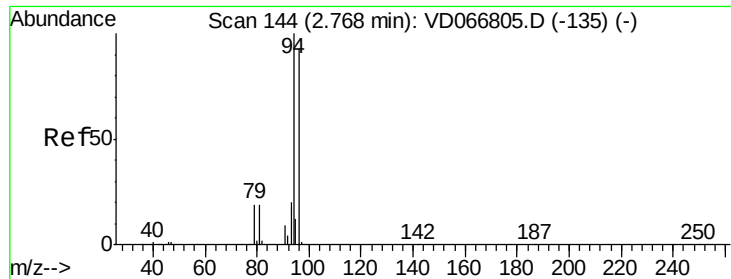
64 29.9 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 55.164 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 94 Resp: 107166

Ion Ratio Lower Upper

94 100

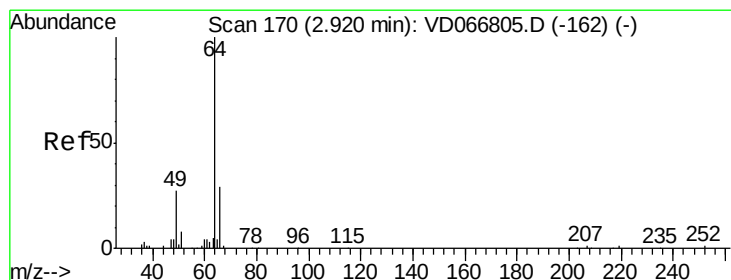
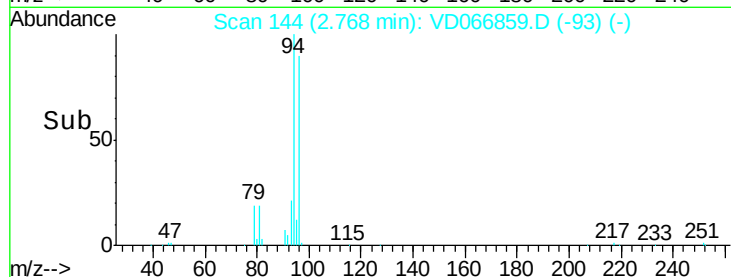
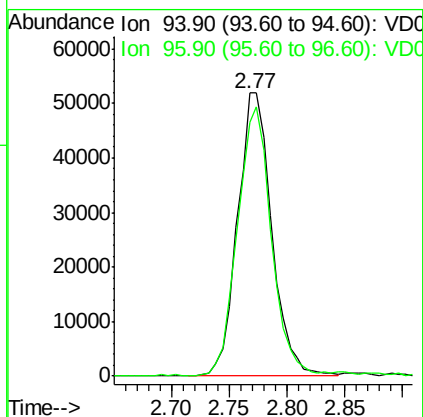
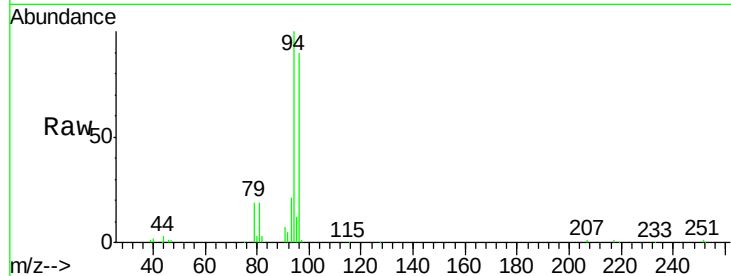
96 89.4 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 55.302 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066859.D

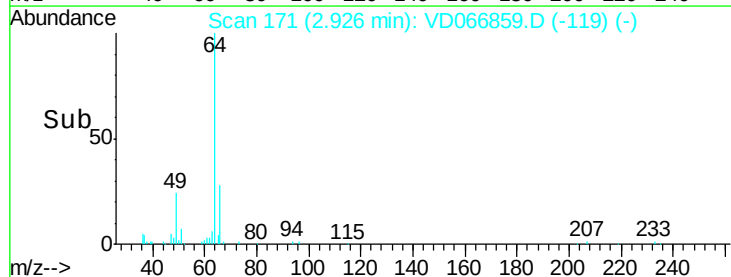
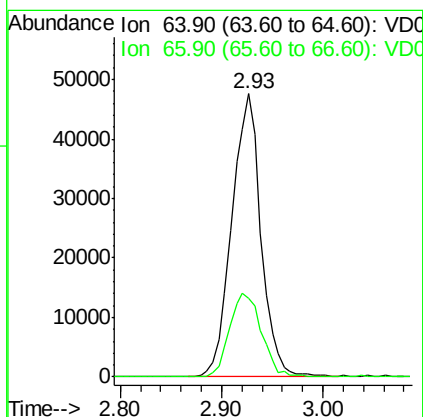
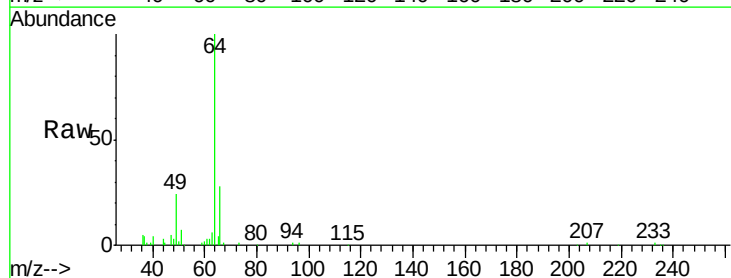
Acq: 24 Sep 2020 18:56

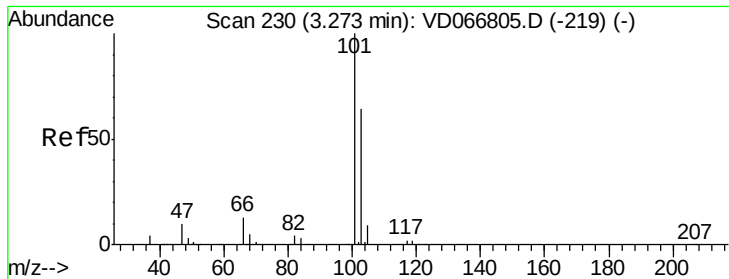
Tgt Ion: 64 Resp: 94919

Ion Ratio Lower Upper

64 100

66 28.0 23.3 34.9





#7

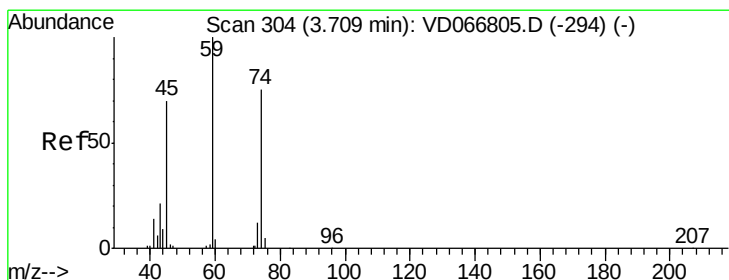
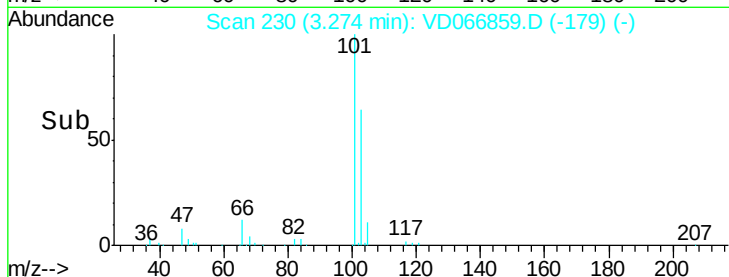
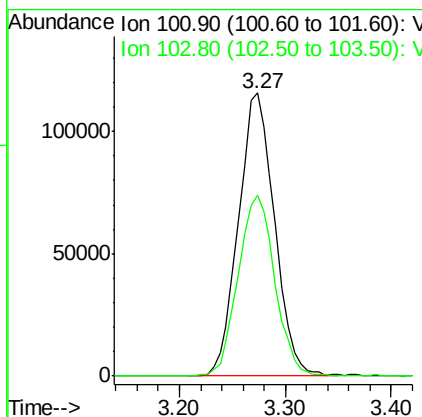
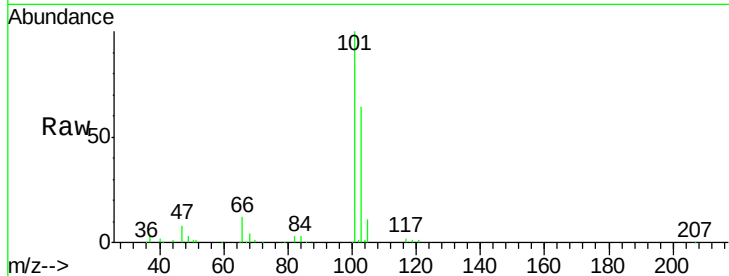
Trichlorofluoromethane
 Concen: 48.274 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampled :
 B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	274015		
103	63.9	51.0	76.6	

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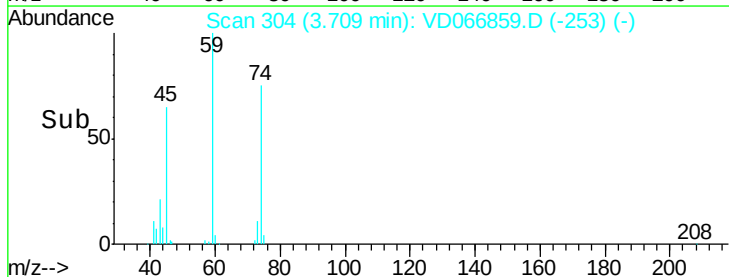
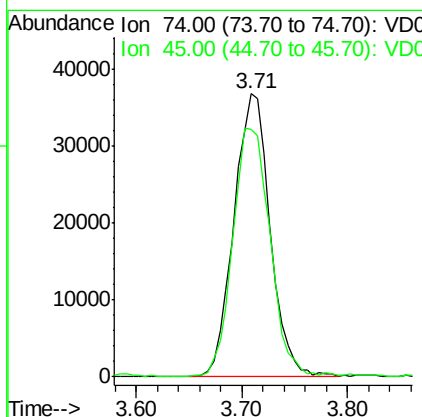
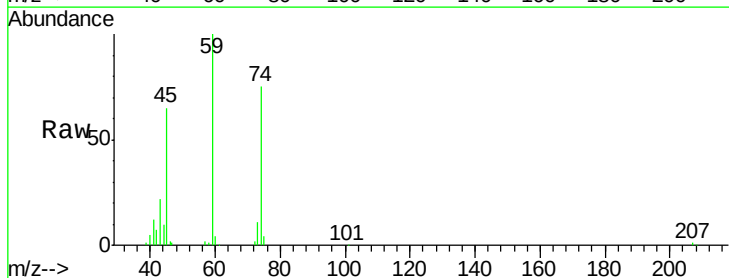
MMDadoda
 9/25/2020 4:00:14 PM

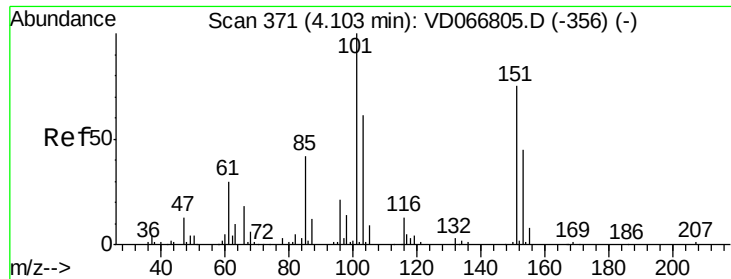


#8

Diethyl Ether
 Concen: 60.589 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	87312		
45	91.4	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.003 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

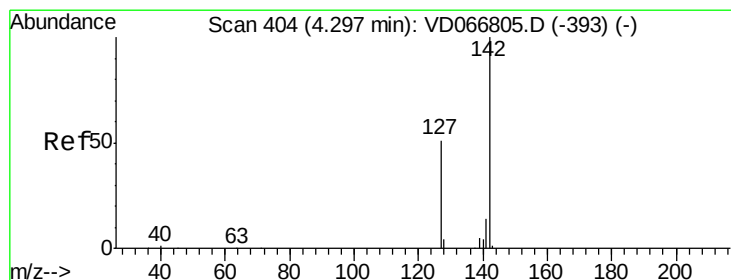
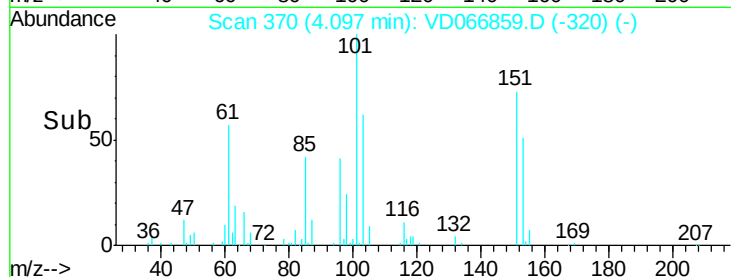
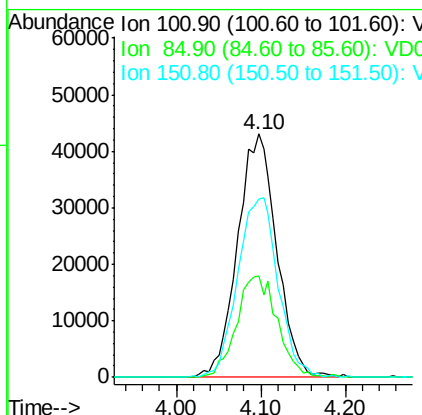
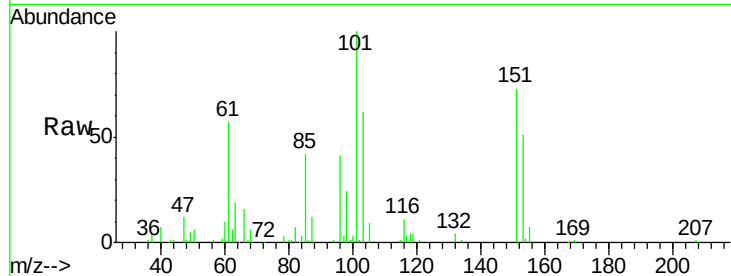
ClientSampleId :

B-2(4-5)MS

Tot Ion:	101	Resp:	138250
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.4	53.2
151	76.7	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 51.506 ug/l

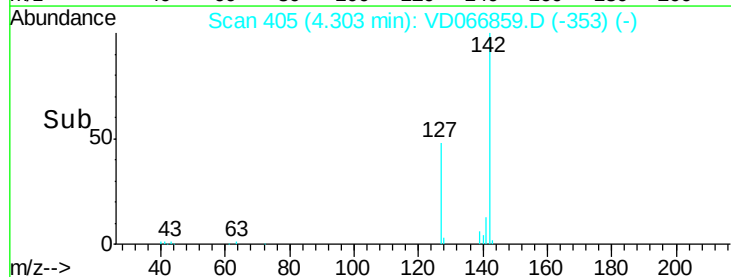
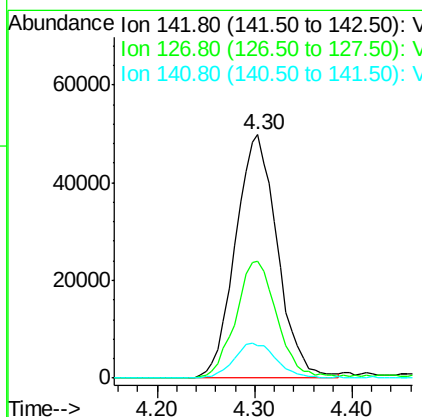
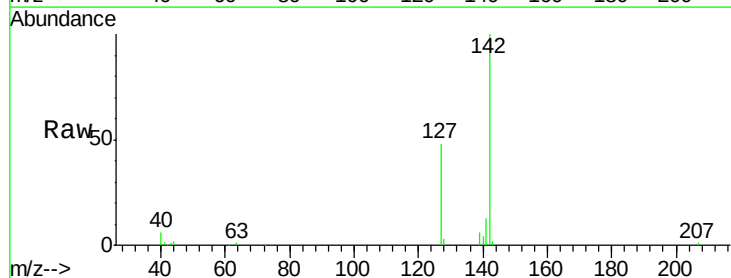
RT: 4.30 min Scan# 405

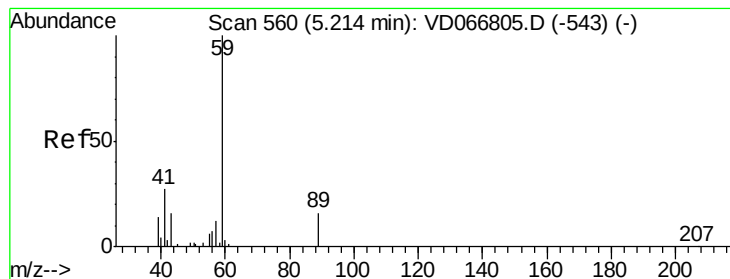
Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	142	Resp:	149600
Ion Ratio	Lower	Upper	
142	100		
127	47.6	39.4	59.0
141	14.5	12.1	18.1





#11

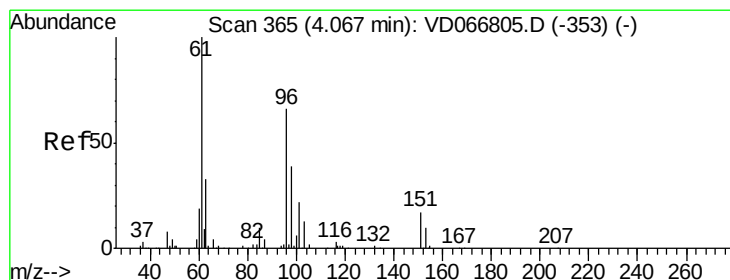
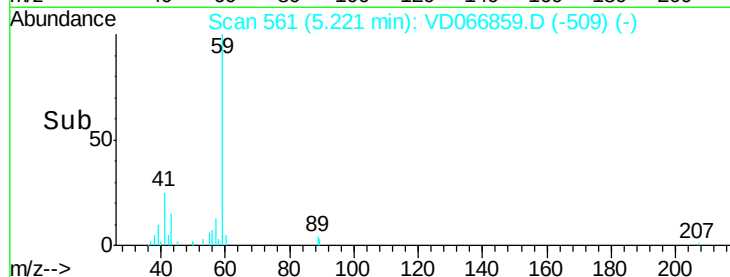
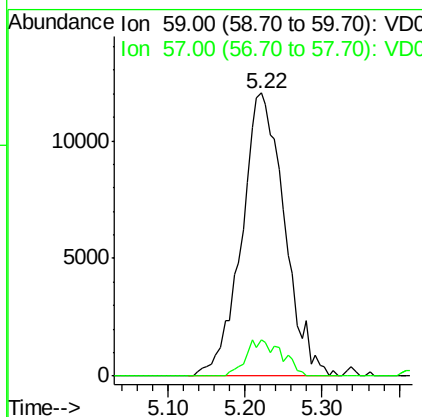
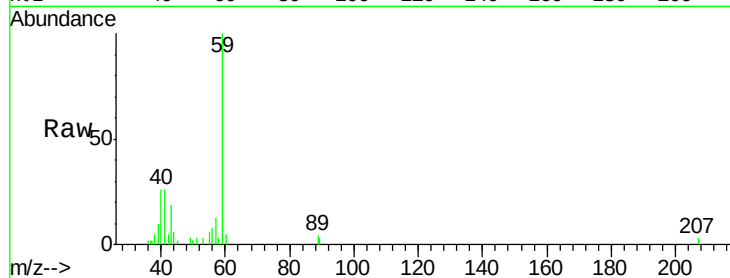
Tert butyl alcohol
Concen: 261.023 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampled :
B-2(4-5)MS

Tot Ion	59	Resp	46615
Ion Ratio	100	Lower	Upper
57	10.8	8.3	12.5

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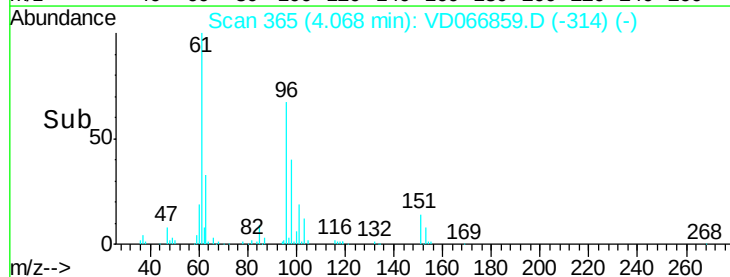
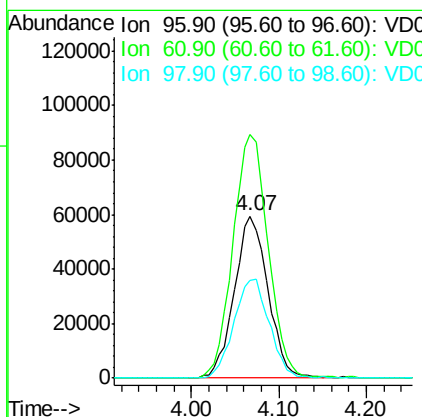
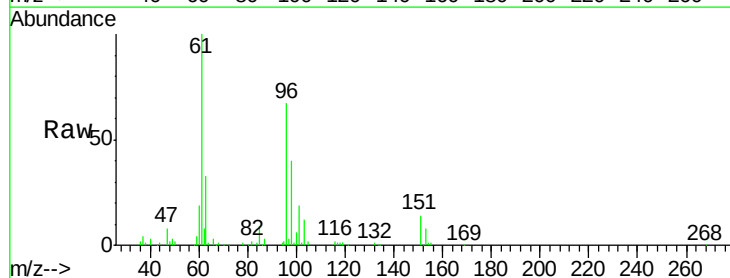
MMDadoda
9/25/2020 4:00:14 PM

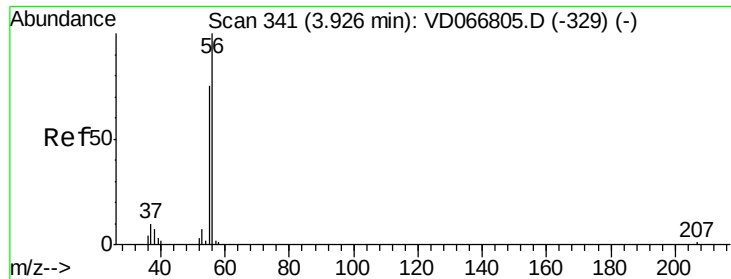


#12

1,1-Dichloroethene
Concen: 52.045 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	96	Resp	155180
Ion Ratio	100	Lower	Upper
61	150.1	120.8	181.2
98	60.6	47.7	71.5





#13

Acrolein

Concen: 232.230 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 56 Resp: 51056

Ion Ratio Lower Upper

56 100

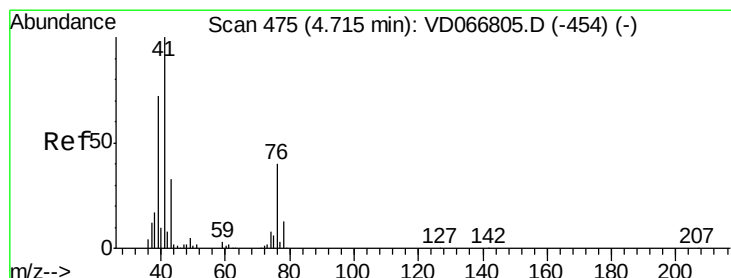
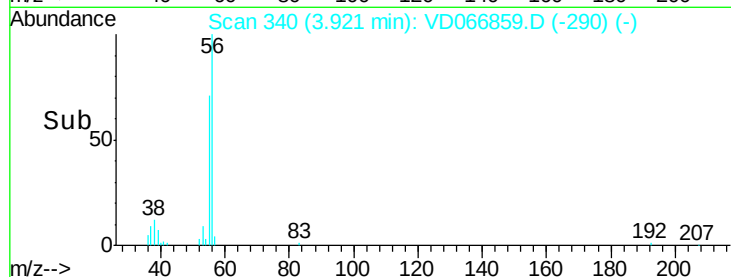
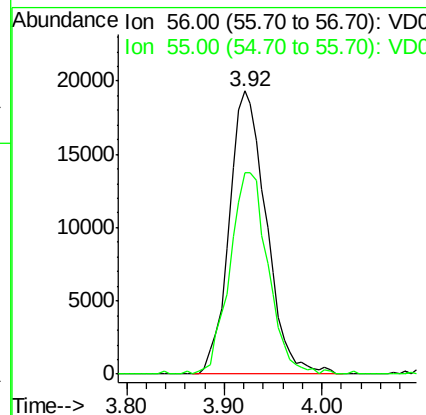
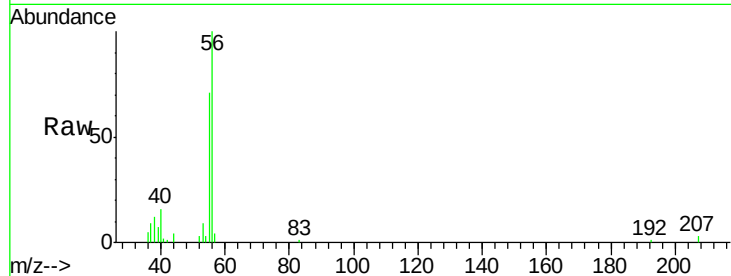
55 73.2 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 56.885 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

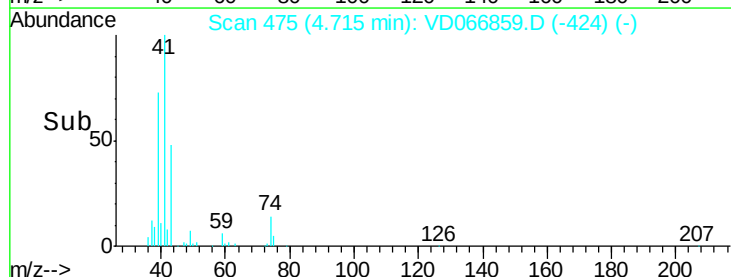
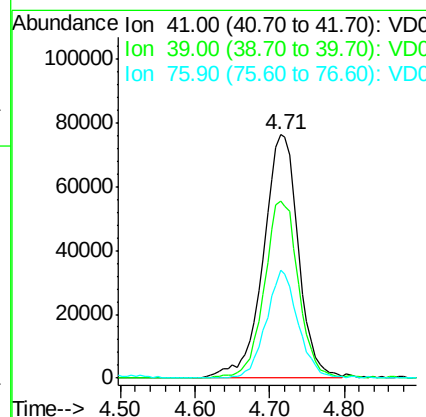
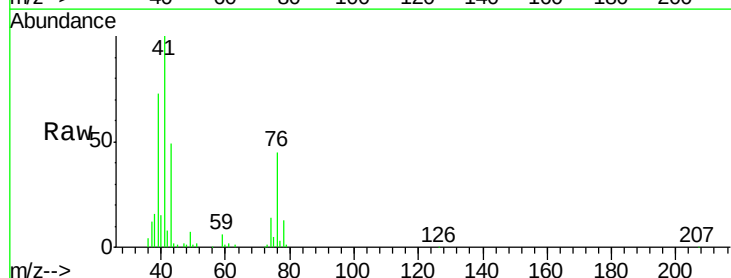
Tgt Ion: 41 Resp: 249056

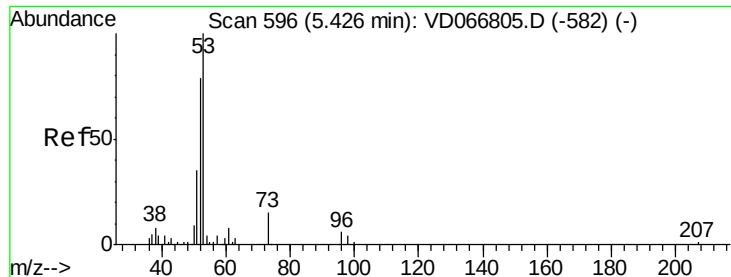
Ion Ratio Lower Upper

41 100

39 70.7 57.8 86.8

76 40.1 30.9 46.3





#15

Acrylonitrile

Concen: 272.886 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

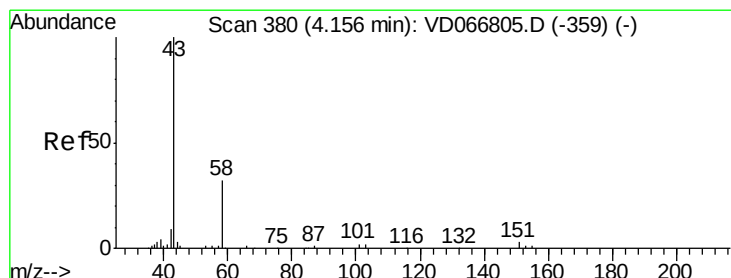
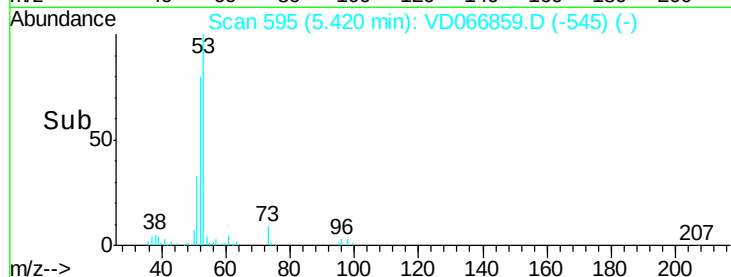
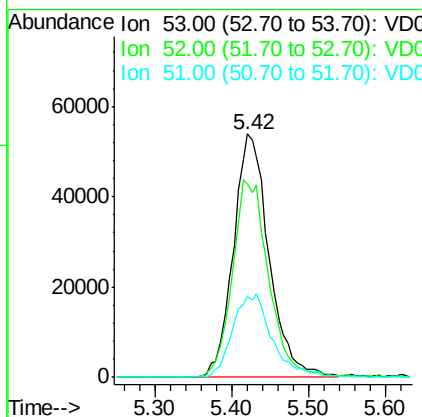
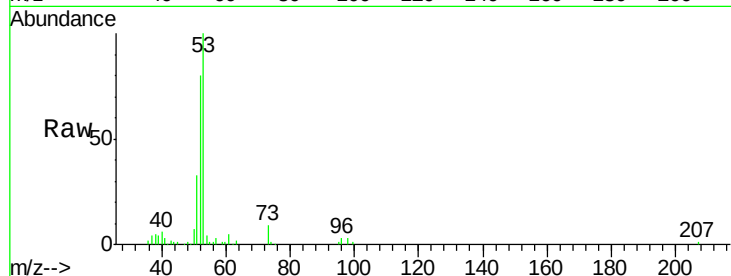
ClientSampleId :

B-2(4-5)MS

Tot Ion:	53	Resp:	174269
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.2	97.8
51	38.2	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 283.409 ug/l

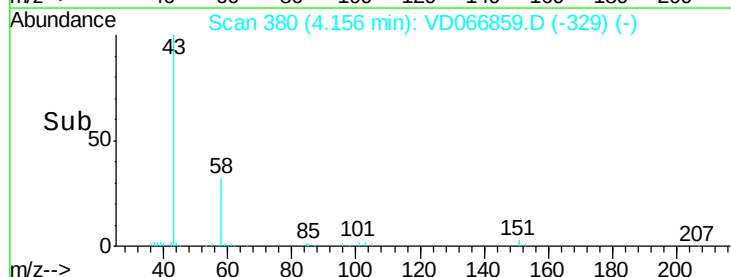
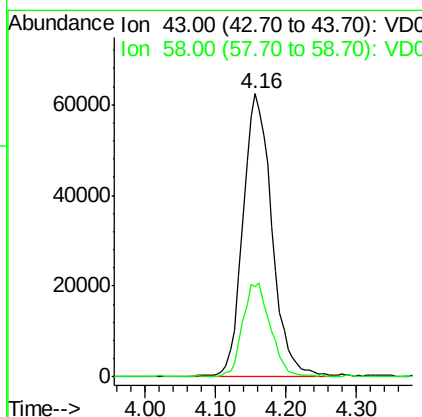
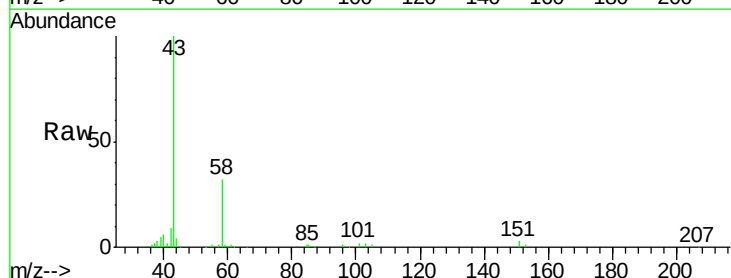
RT: 4.16 min Scan# 380

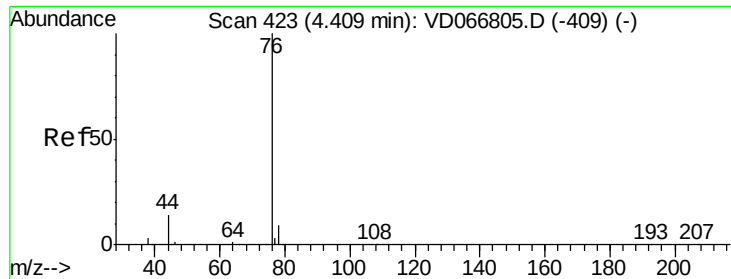
Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	43	Resp:	179174
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.6	38.4





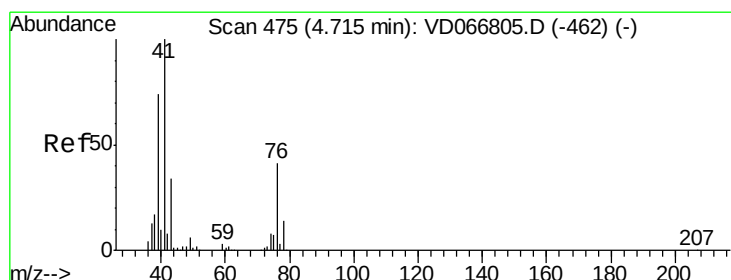
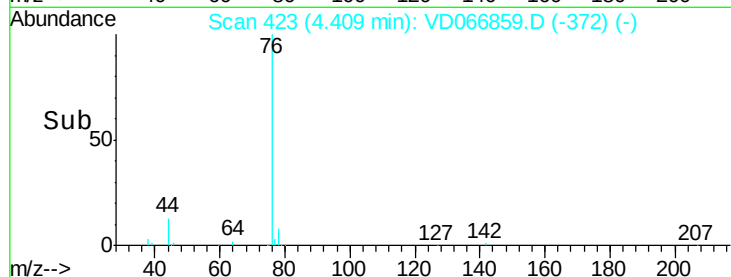
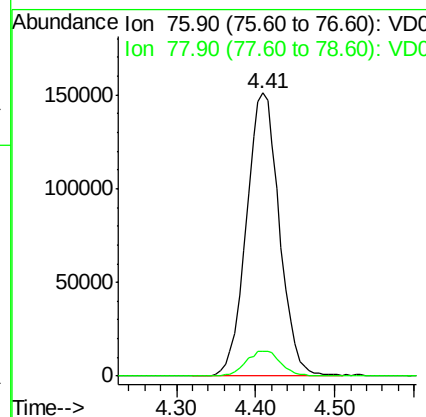
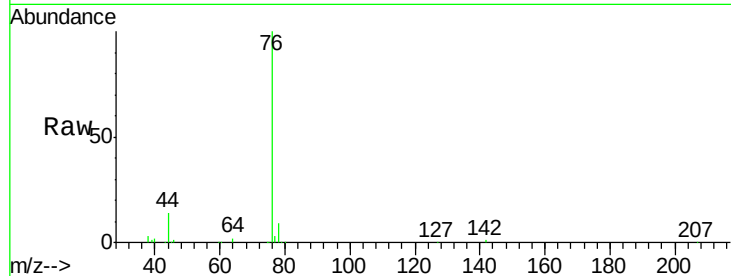
#17
Carbon Disulfide
Concen: 47.857 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

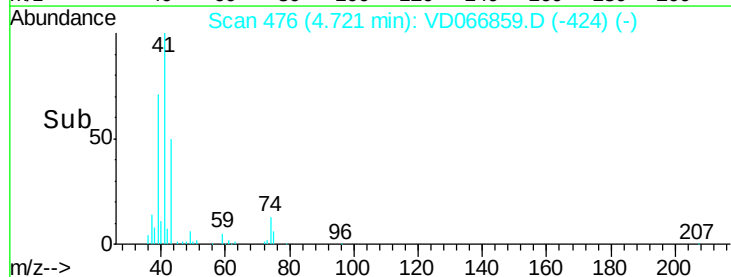
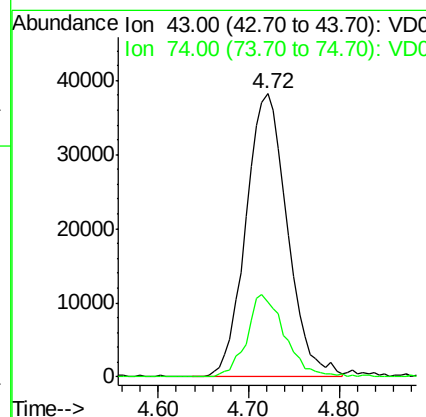
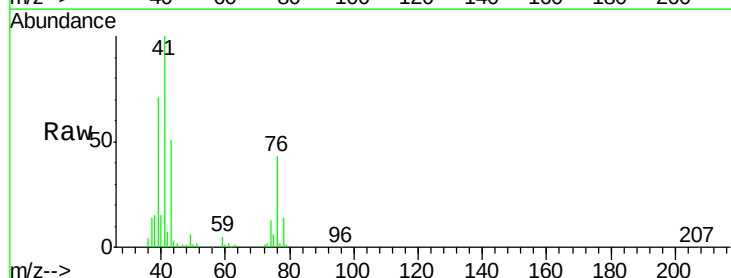
Manual Integrations
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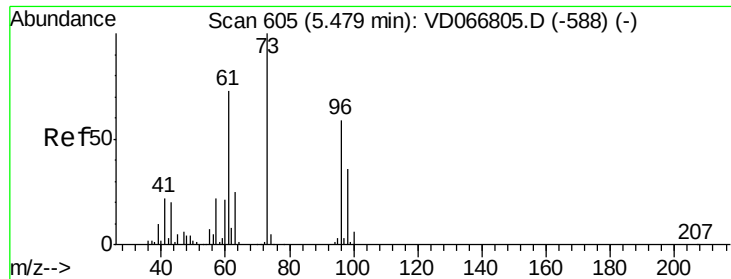
MMDadoda
9/25/2020 4:00:14 PM



#18
Methyl Acetate
Concen: 89.033 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	20.3	30.5





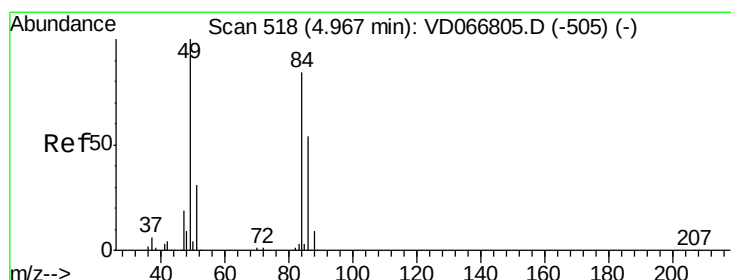
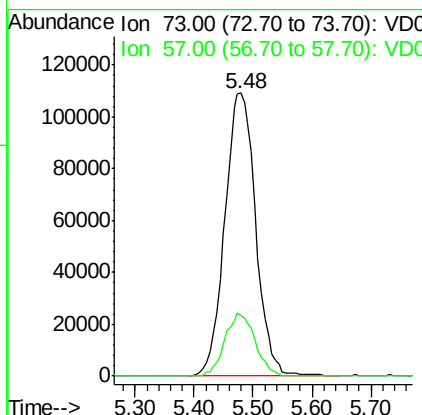
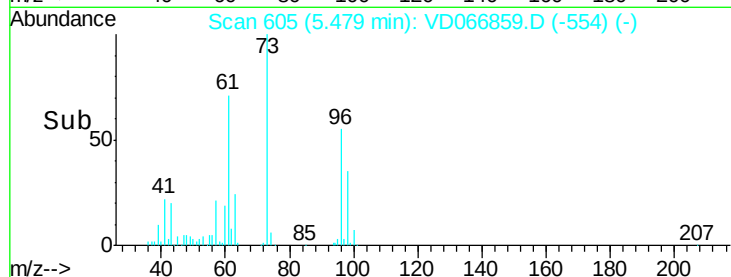
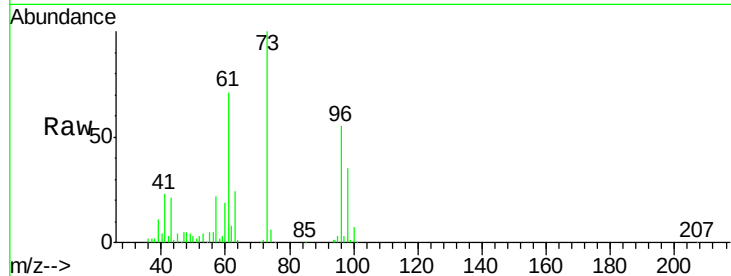
#19
Methyl tert-butyl Ether
Concen: 61.588 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion: 73 Resp: 398790
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2

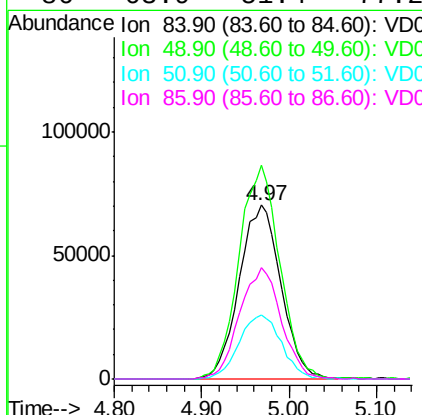
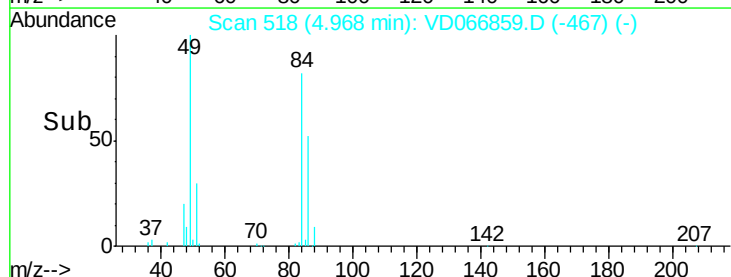
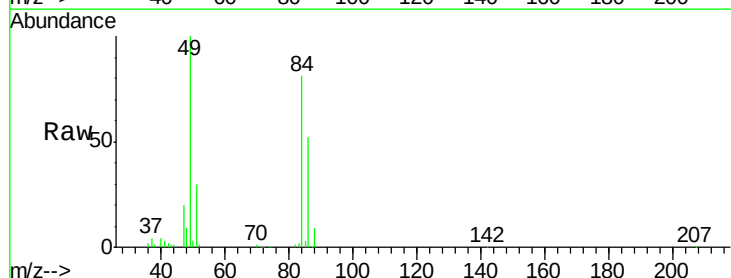
Manual Integrations
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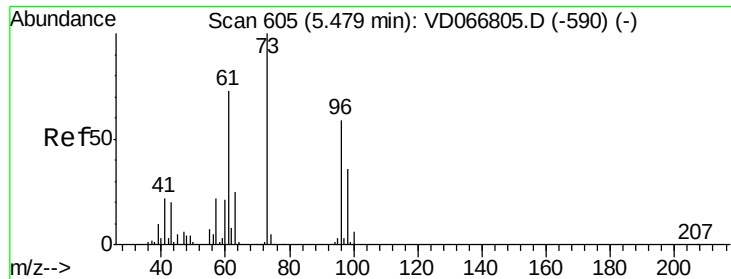
MMDadoda
9/25/2020 4:00:14 PM



#20
Methylene Chloride
Concen: 69.266 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 84 Resp: 228685
Ion Ratio Lower Upper
84 100
49 122.9 95.4 143.2
51 36.8 29.7 44.5
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 54.127 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

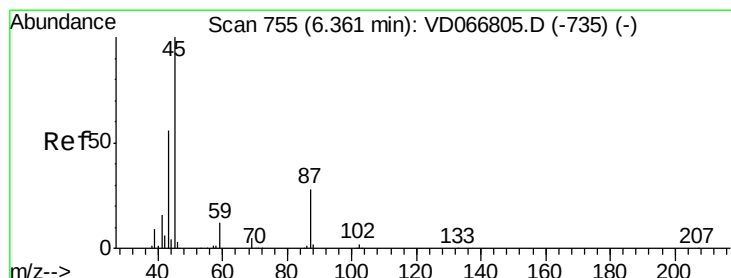
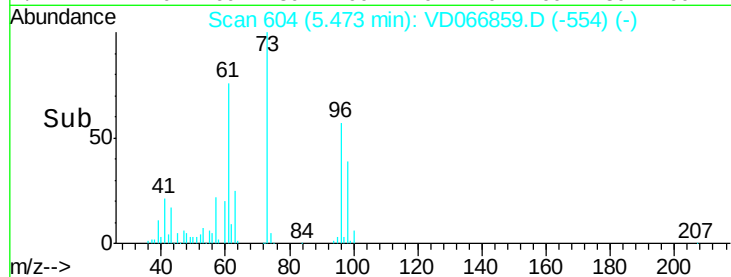
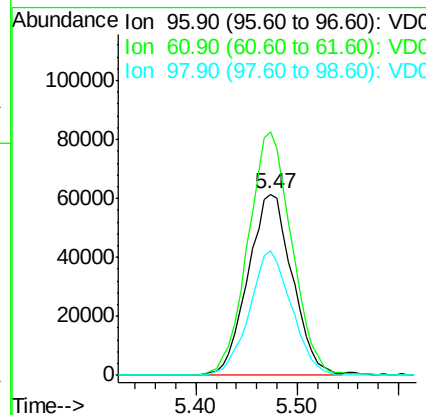
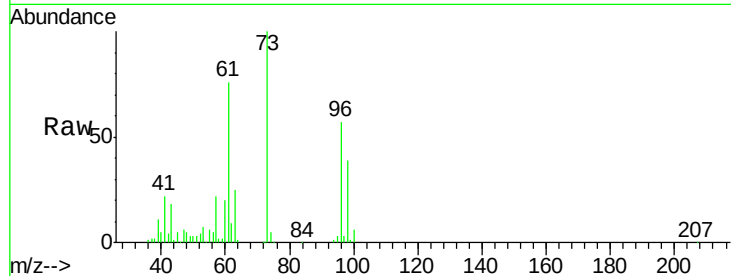
ClientSampleId :

B-2(4-5)MS

Tot Ion:	96	Resp:	186868
Ion	Ratio	Lower	Upper
96	100		
61	134.3	98.9	148.3
98	68.8	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 62.531 ug/l

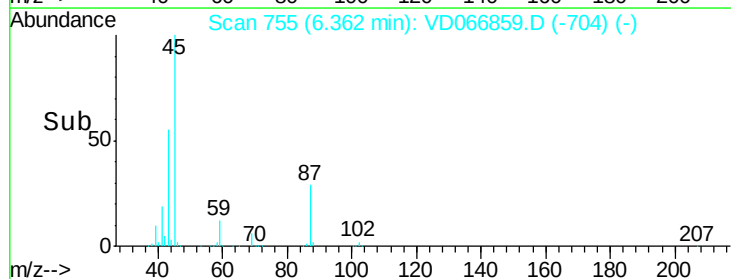
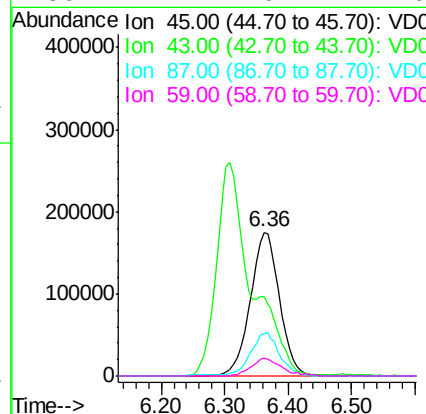
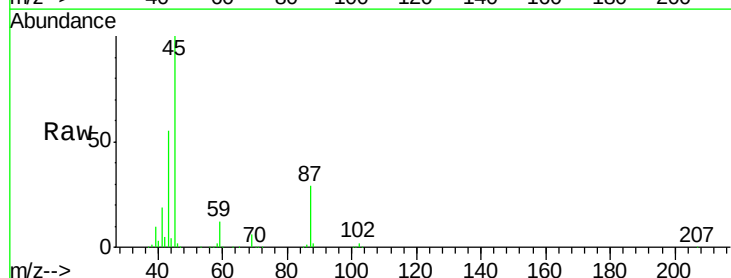
RT: 6.36 min Scan# 755

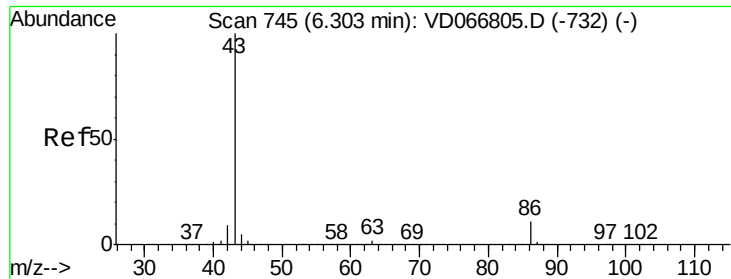
Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	45	Resp:	562914
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.5	66.7
87	29.0	22.9	34.3
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 206.520 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tot Ion: 43 Resp: 1007081

Ion Ratio Lower Upper

43 100

86 12.1 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

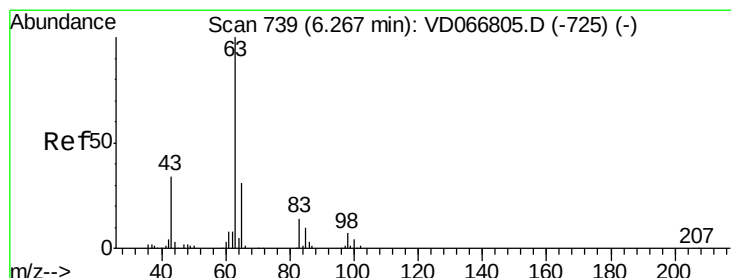
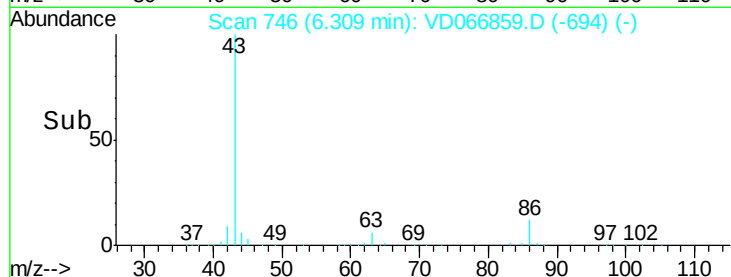
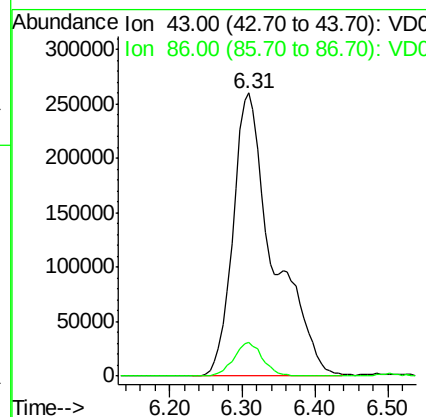
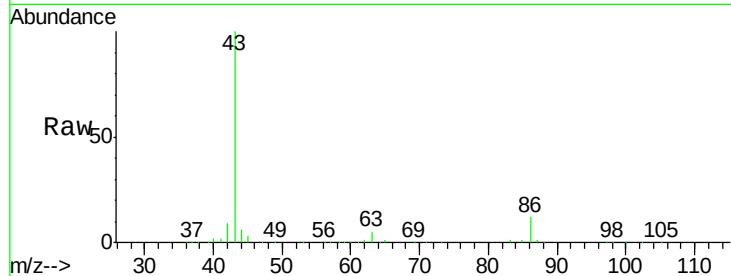
B-2(4-5)MS

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.984 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

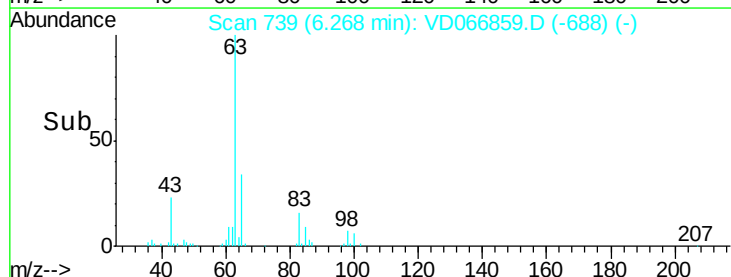
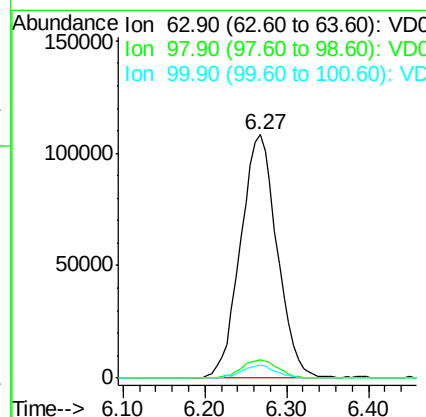
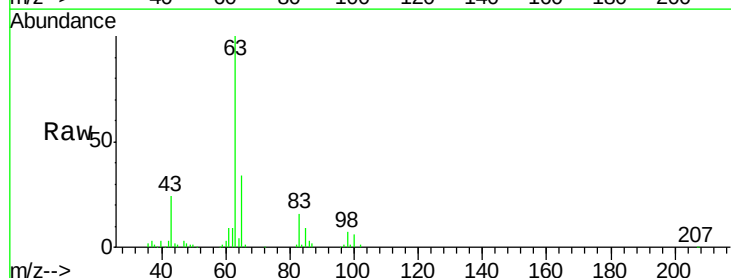
Tgt Ion: 63 Resp: 337153

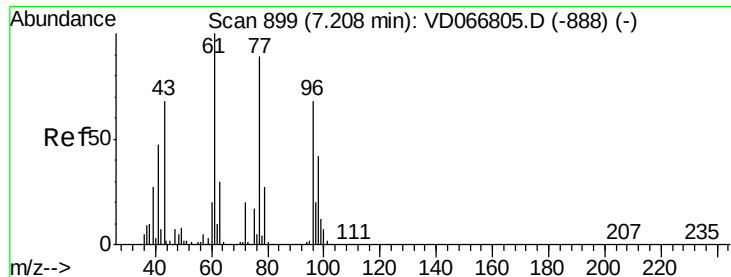
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 5.6 1.8 5.5#





#25

2-Butanone

Concen: 266.668 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 43 Resp: 202600

Ion Ratio Lower Upper

43 100

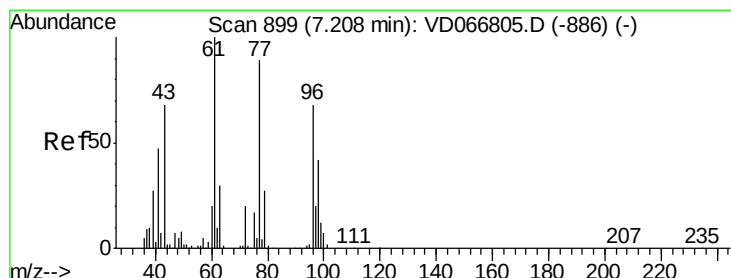
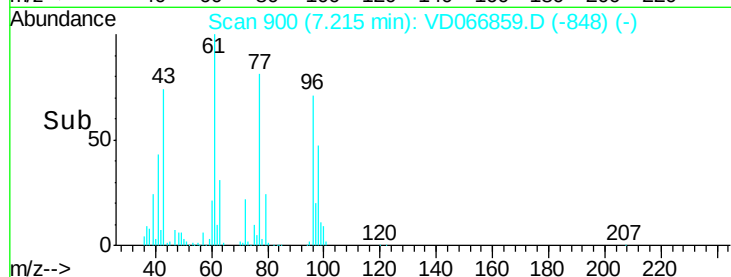
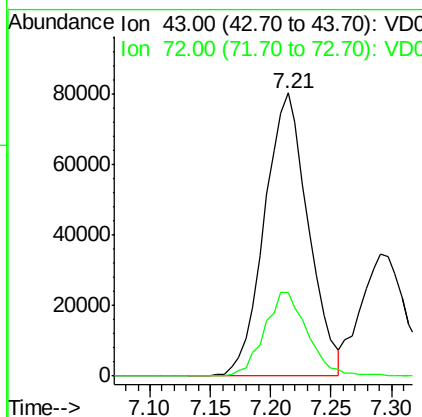
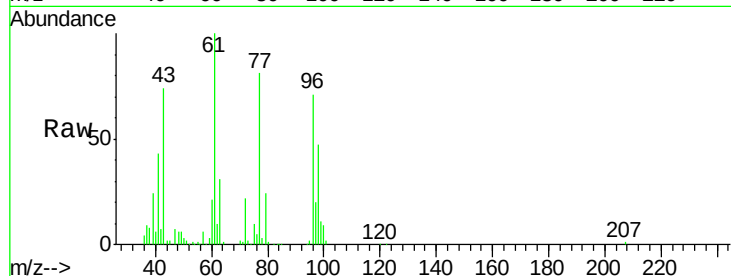
72 29.7 22.9 34.3

Manual Integrations

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9/25/2020 4:00:14 PM



#26

2,2-Dichloropropane

Concen: 49.655 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066859.D

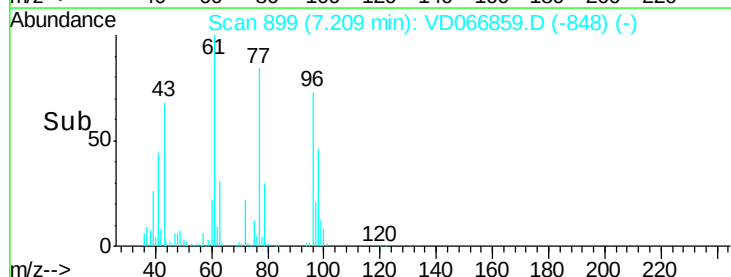
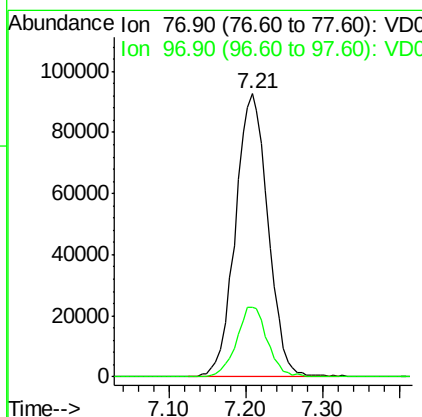
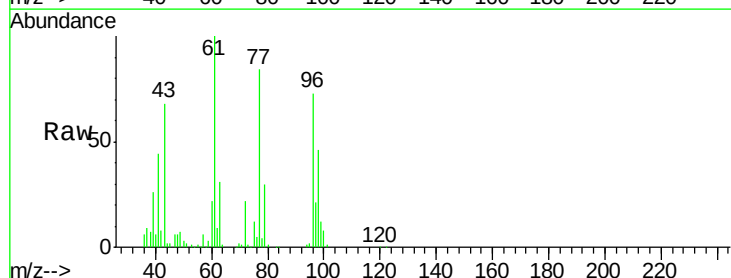
Acq: 24 Sep 2020 18:56

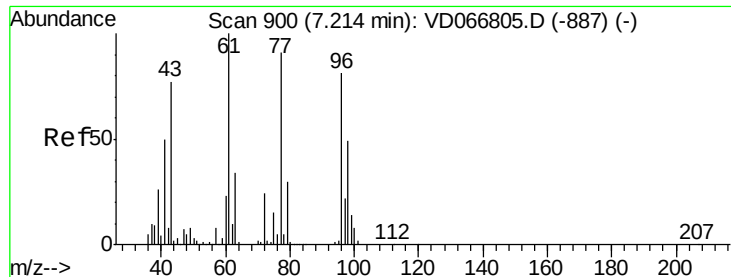
Tgt Ion: 77 Resp: 274083

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

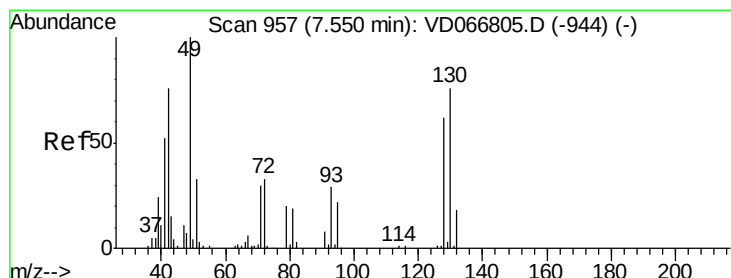
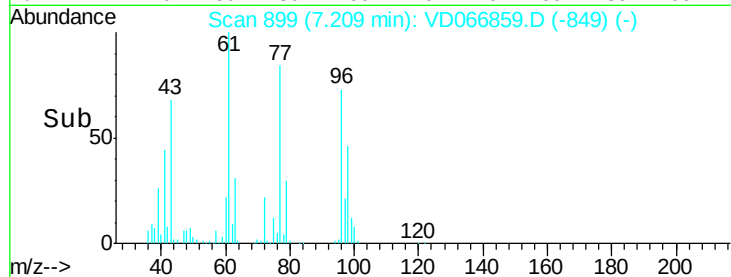
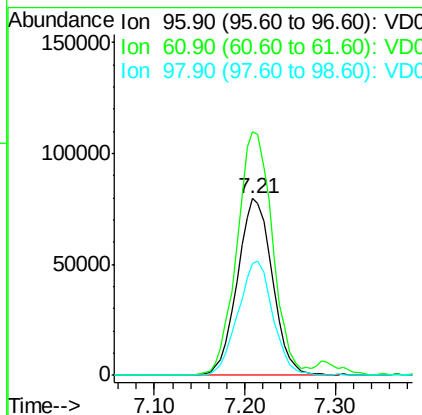
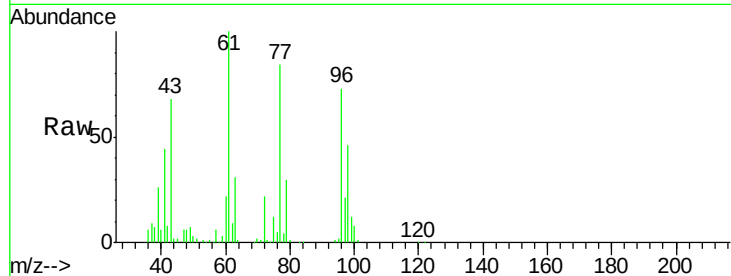
cis-1,2-Dichloroethene
Concen: 57.115 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	214246		
61	140.1	0.0	283.8	
98	64.0	0.0	128.4	

Manual Integrations
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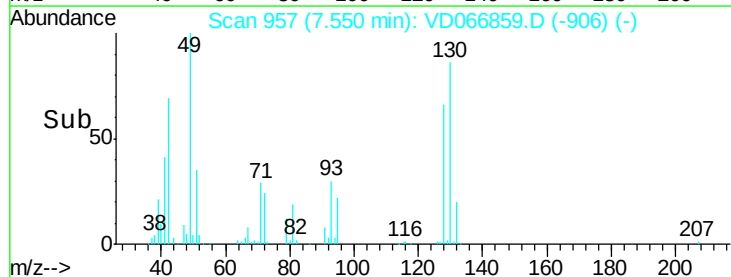
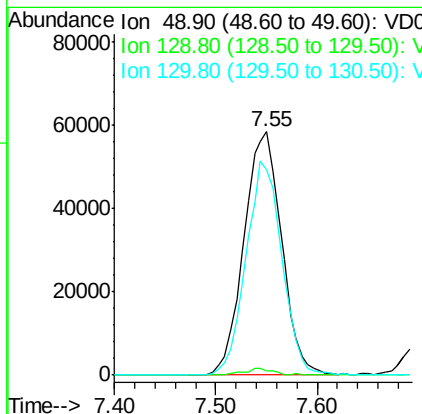
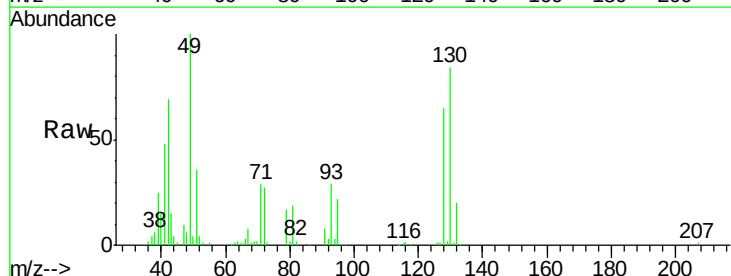
MMDadoda
9/25/2020 4:00:14 PM

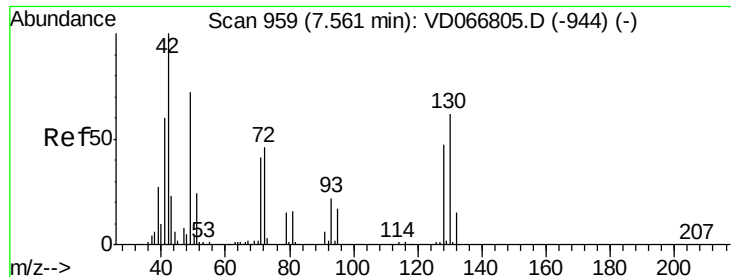


#28

Bromochloromethane
Concen: 60.424 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150333		
129	1.9	0.0	2.0	
130	84.2	65.9	98.9	





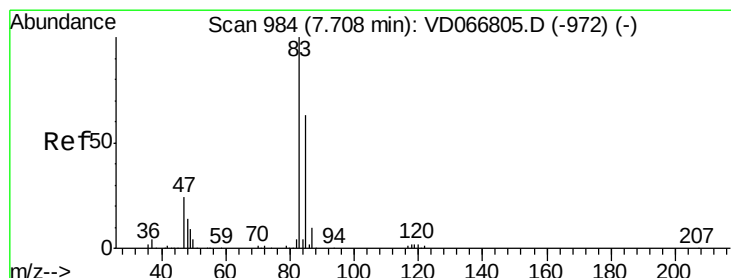
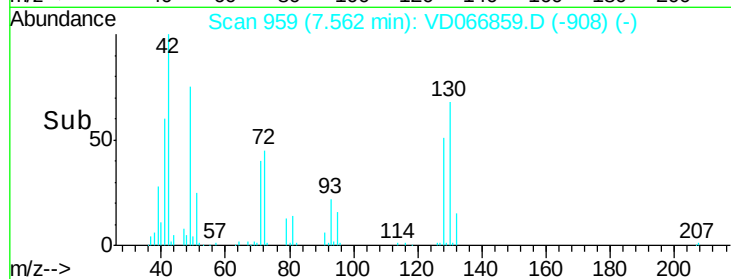
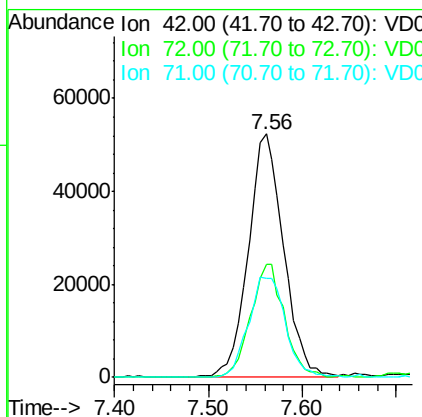
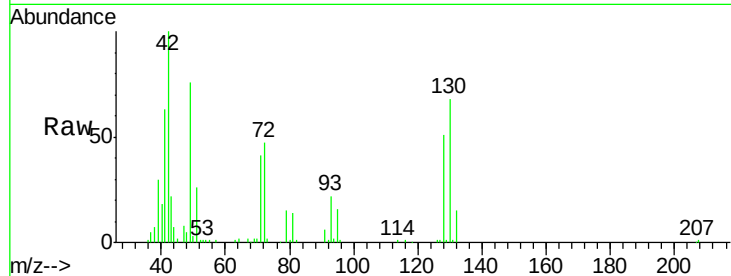
#29
Tetrahydrofuran
Concen: 280.018 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	36.2	54.4
71	43.0	32.4	48.6

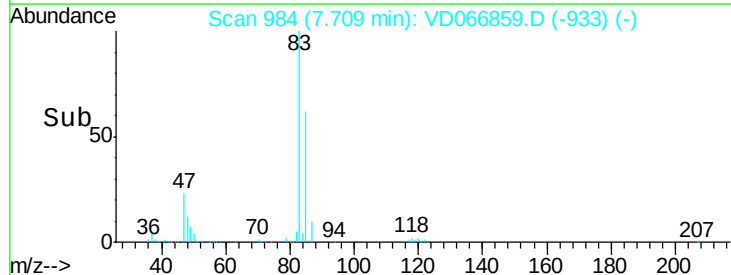
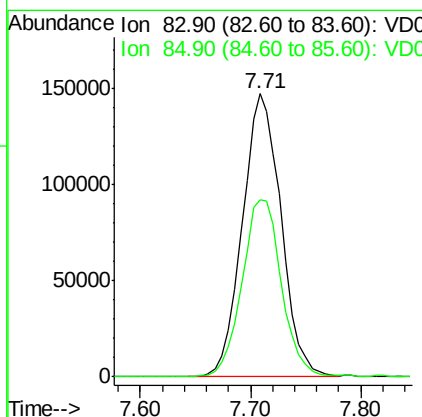
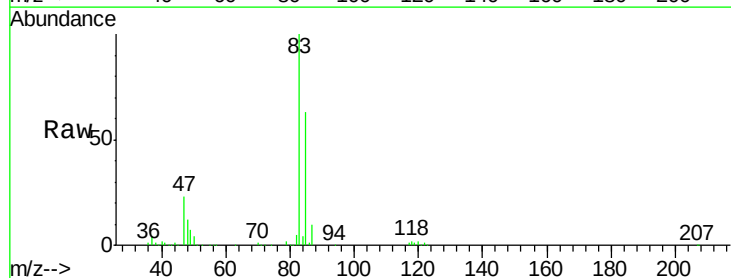
Manual Integrations
APPROVED

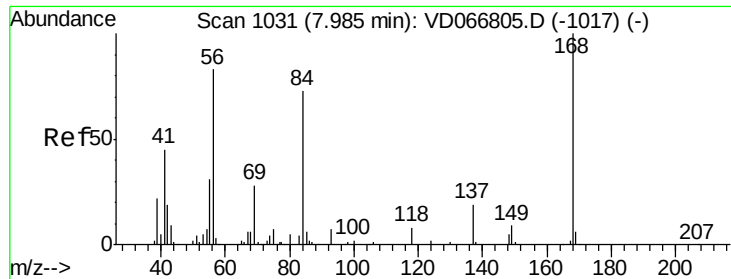
MMDadoda
9/25/2020 4:00:14 PM



#30
Chloroform
Concen: 55.811 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8





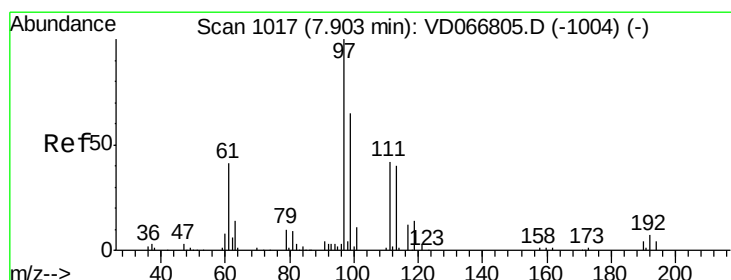
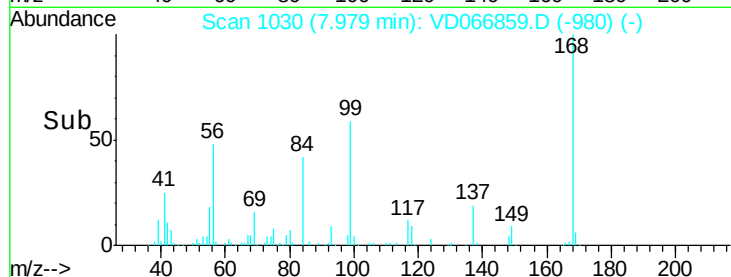
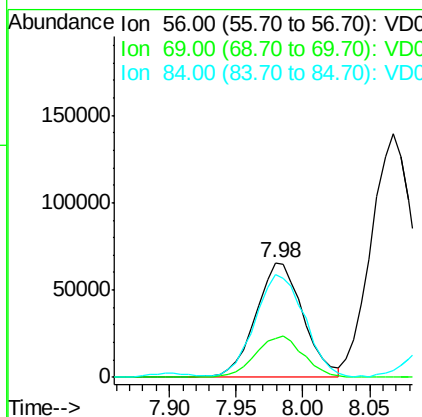
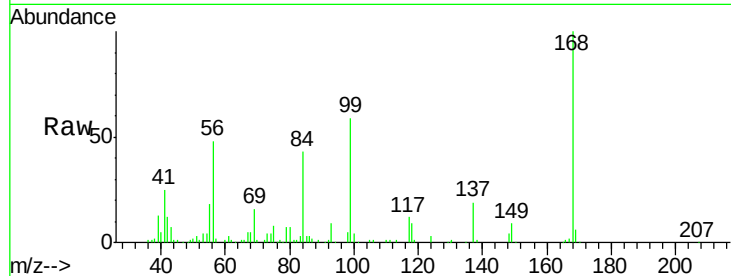
#31
Cyclohexane
Concen: 29.788 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
56	100	161415		
69	33.9	27.0	40.4	
84	86.7	70.2	105.4	

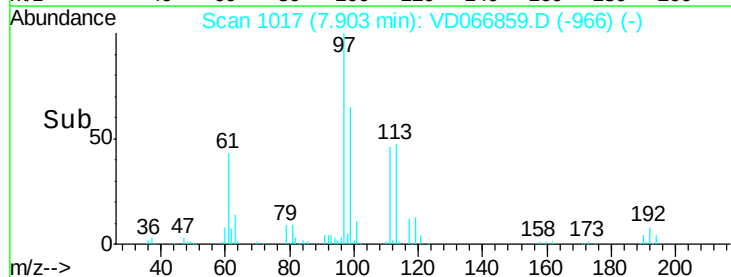
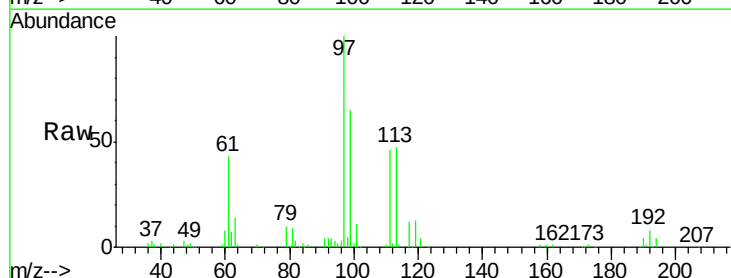
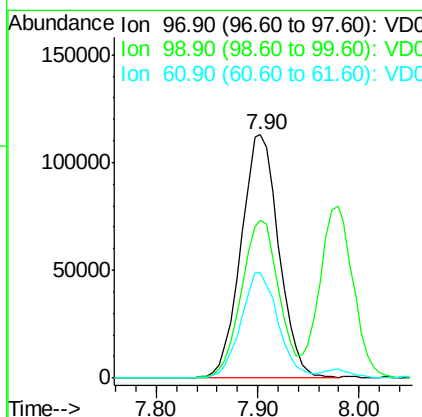
Manual Integrations
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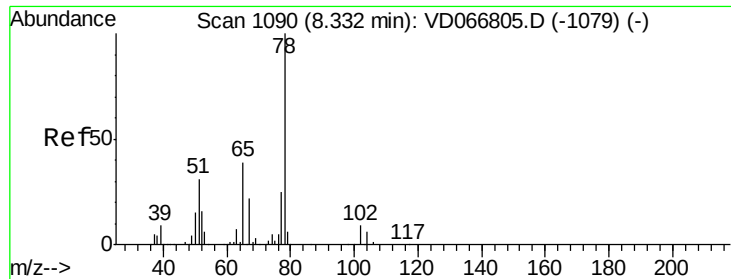
MMDadoda
9/25/2020 4:00:14 PM



#32
1,1,1-Trichloroethane
Concen: 49.694 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	291827		
99	64.0	51.5	77.3	
61	42.7	34.2	51.4	





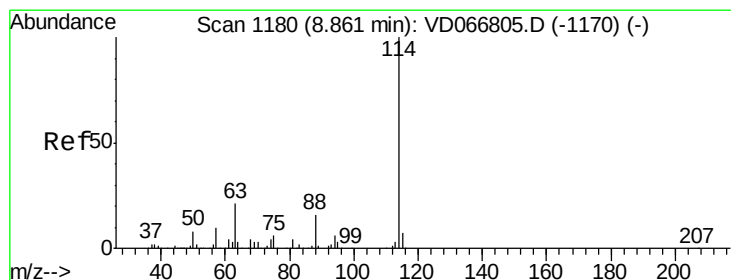
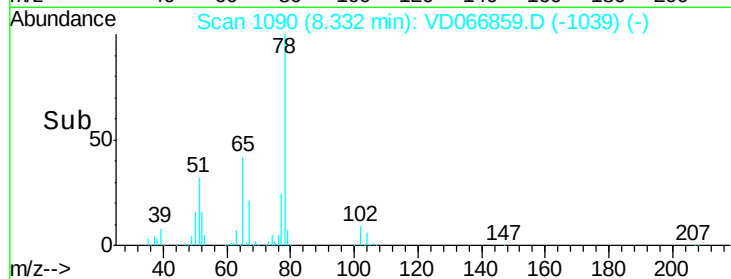
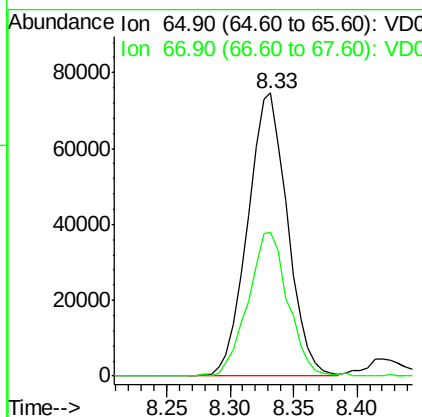
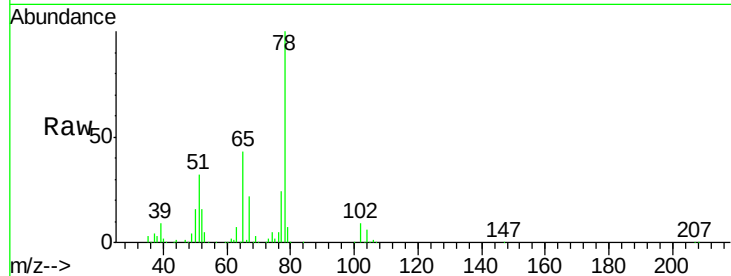
#33
 1,2-Dichloroethane-d4
 Concen: 54.797 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163307		
67	50.6	0.0	107.2	

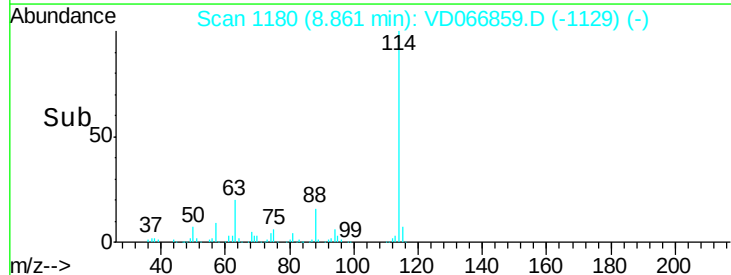
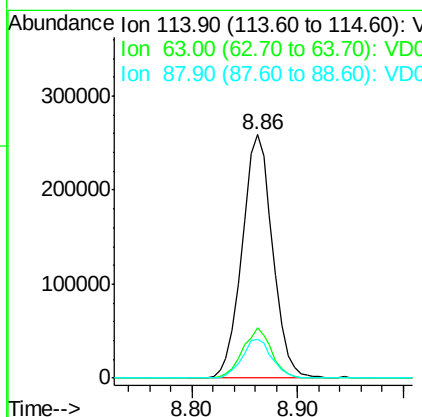
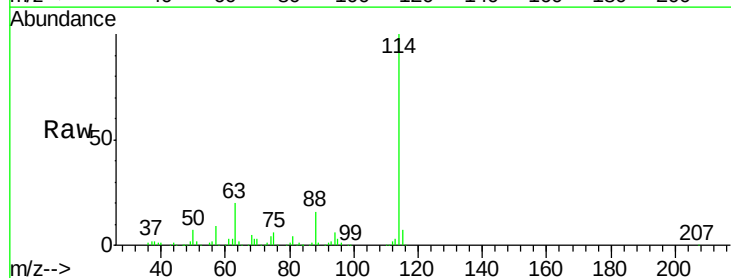
Manual Integrations
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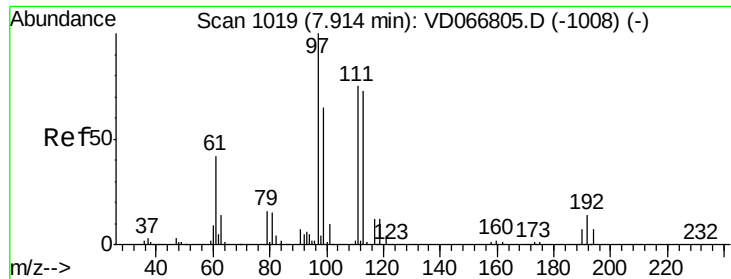
MMDadoda
 9/25/2020 4:00:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	519455		
63	20.5	0.0	42.6	
88	15.9	0.0	32.6	





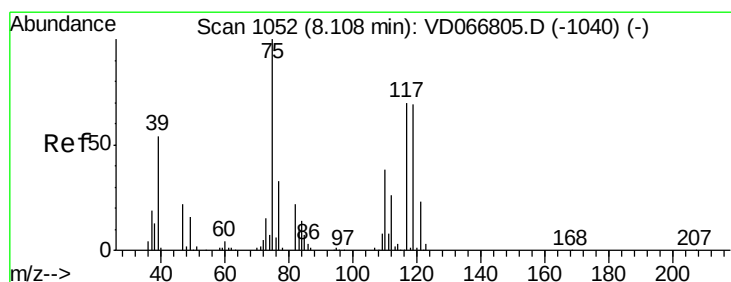
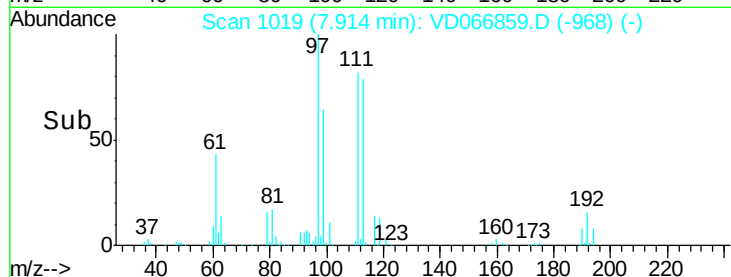
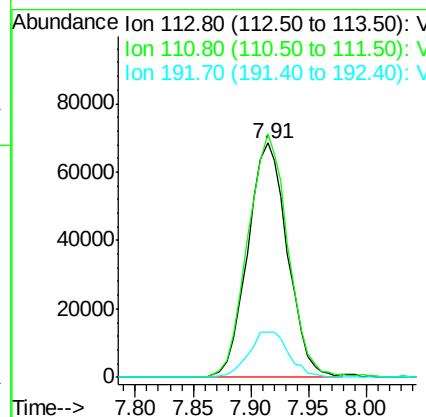
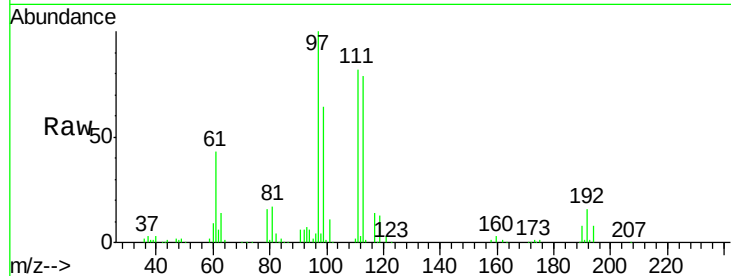
#35
Dibromofluoromethane
Concen: 49.734 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164358		
111	105.0	81.8	122.8	
192	19.7	14.4	21.6	

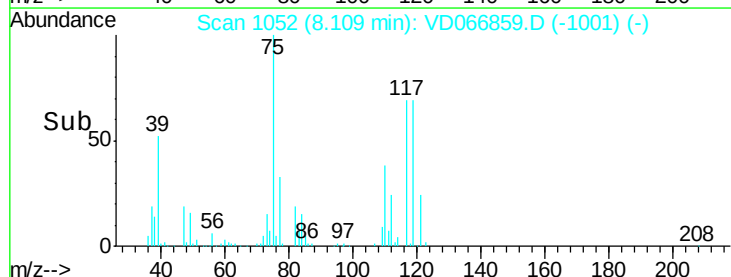
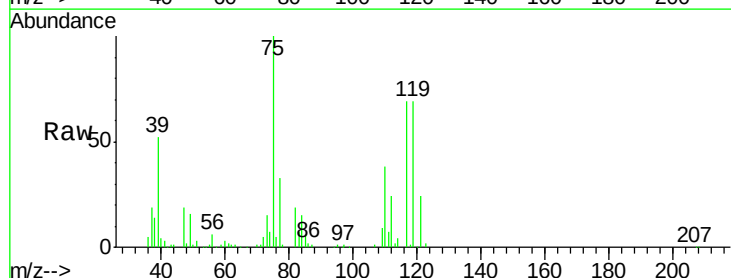
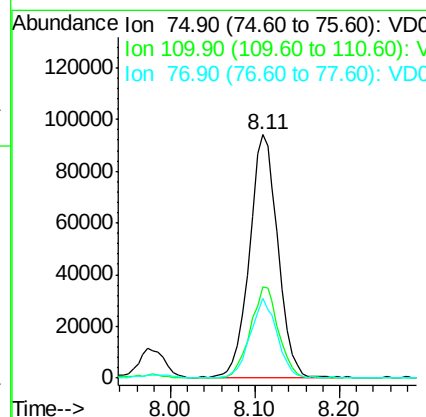
Manual Integrations
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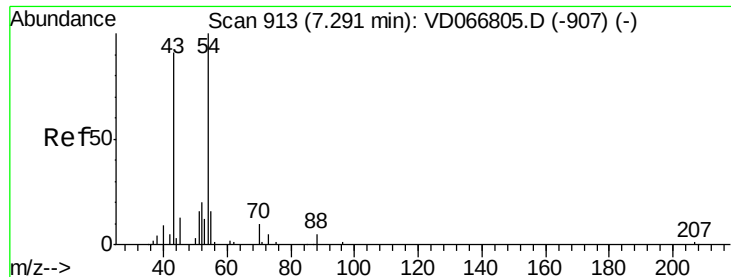
MMDadoda
9/25/2020 4:00:14 PM



#36
1,1-Dichloropropene
Concen: 42.904 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	221100		
110	36.9	17.9	53.8	
77	31.1	25.0	37.6	





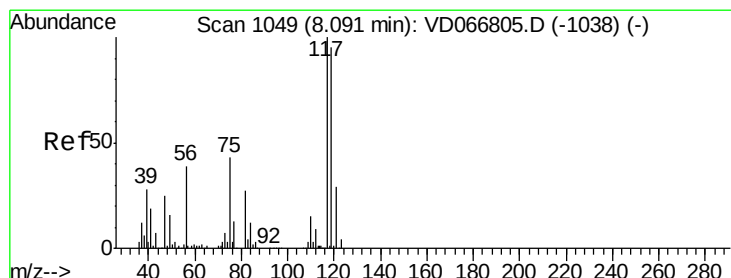
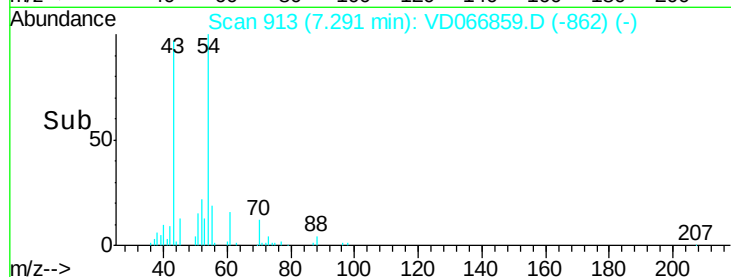
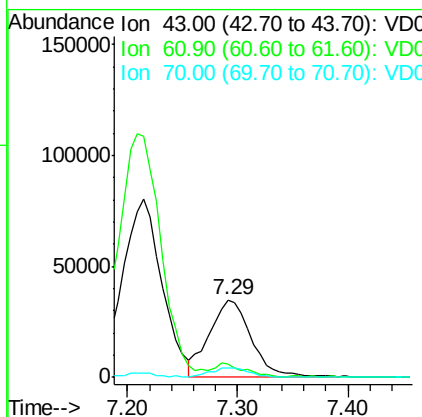
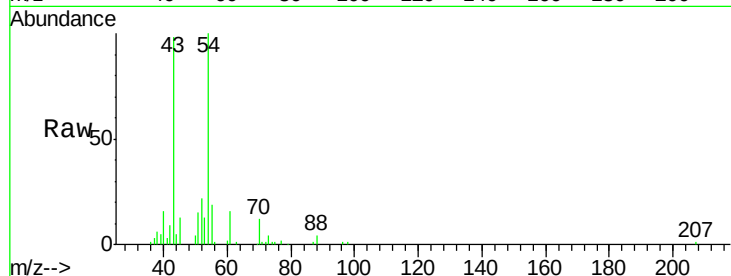
#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	11.4	8.5	12.7

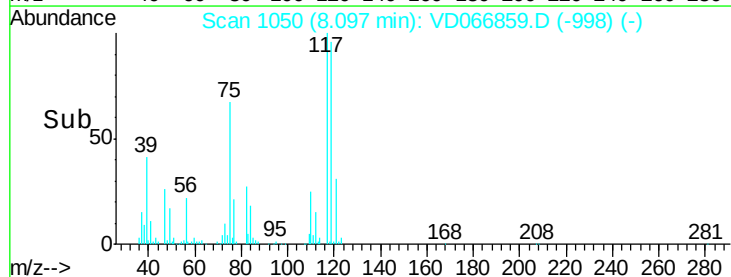
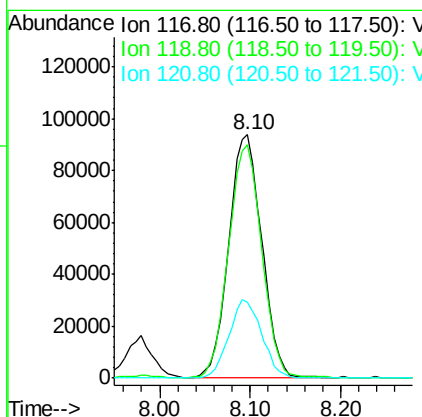
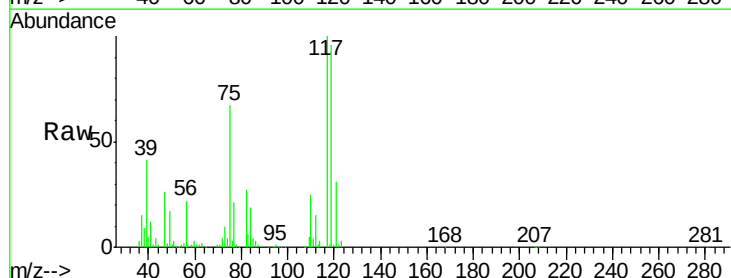
Manual Integrations
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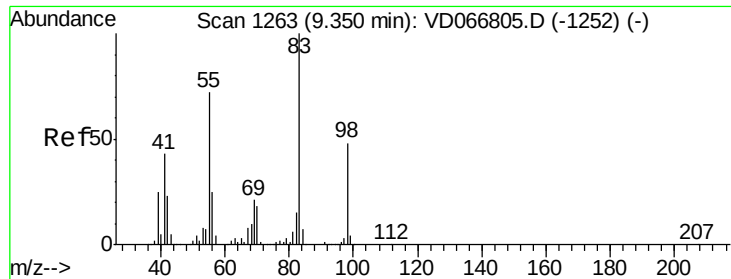
MMDadoda
9/25/2020 4:00:14 PM



#38
Carbon Tetrachloride
Concen: 42.122 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
121	31.1	23.4	35.0





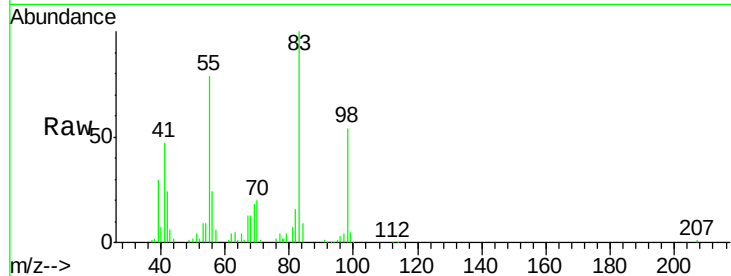
#39
Methylvlcyclohexane
Concen: 20.103 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

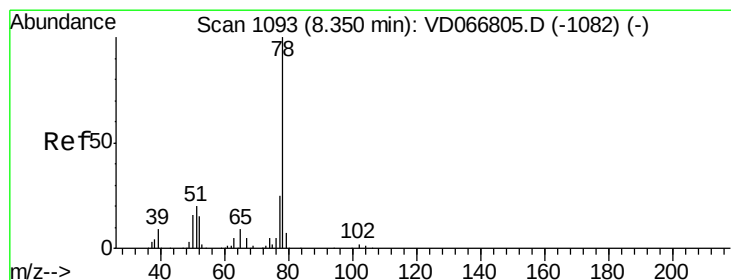
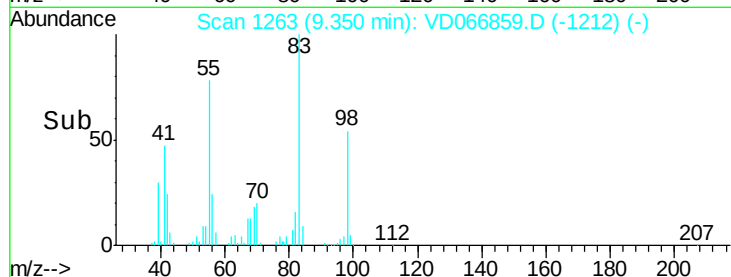
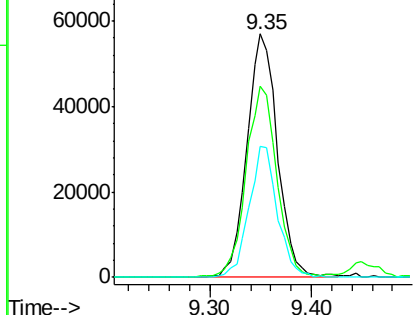
Tot Ion	Ratio	Resp	Lower	Upper
83	100	118945		
55	78.3		57.7	86.5
98	53.5		38.4	57.6

Manual Integrations
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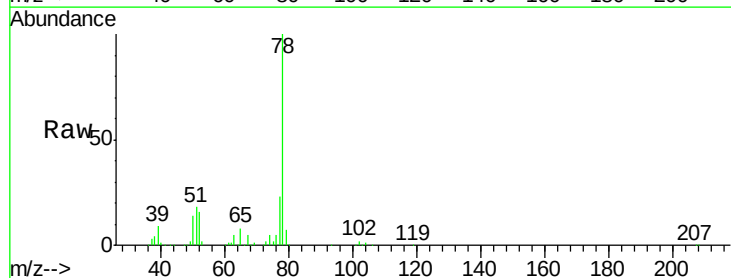


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

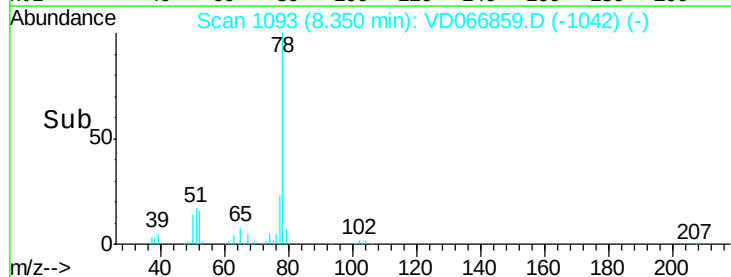
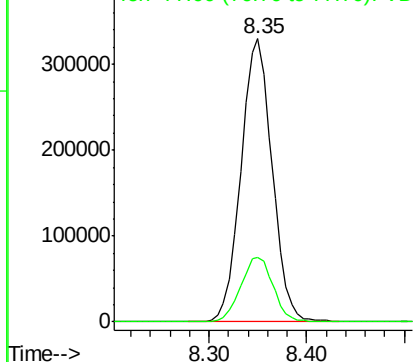


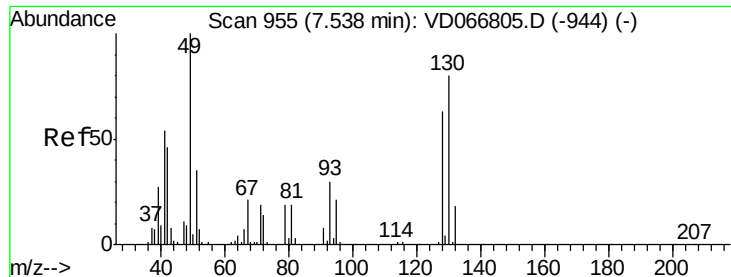
#40
Benzene
Concen: 50.965 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	731982		
77	22.7		19.9	29.9



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





#41

Methacrylonitrile

Concen: 52.445 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 41 Resp: 60085

Ion Ratio Lower Upper

41 100

39 54.0 0.0 0.0#

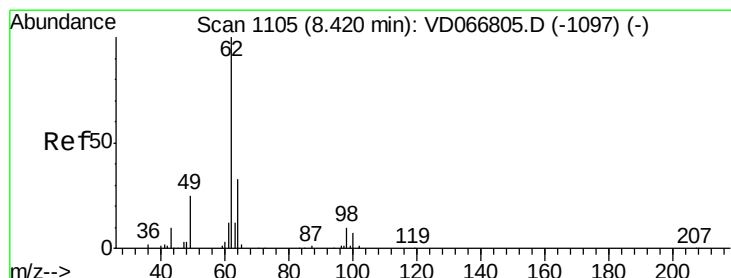
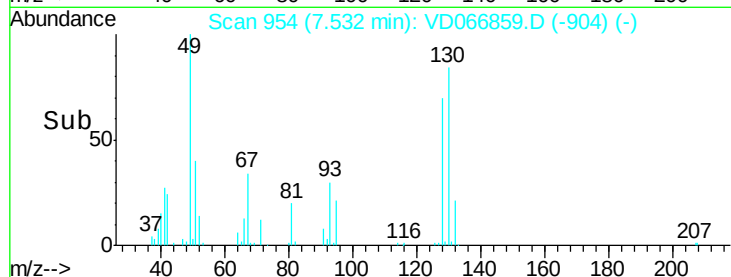
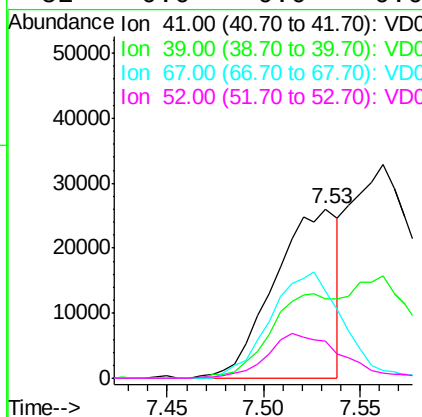
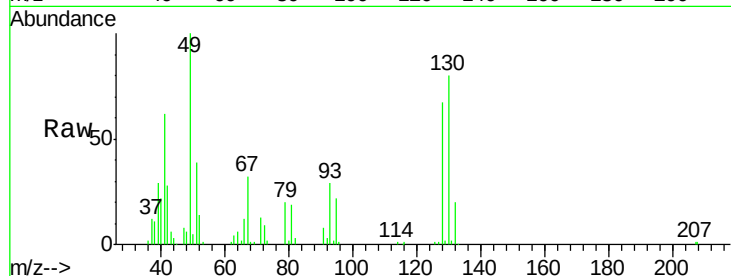
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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9/25/2020 4:00:14 PM



#42

1,2-Dichloroethane

Concen: 50.577 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066859.D

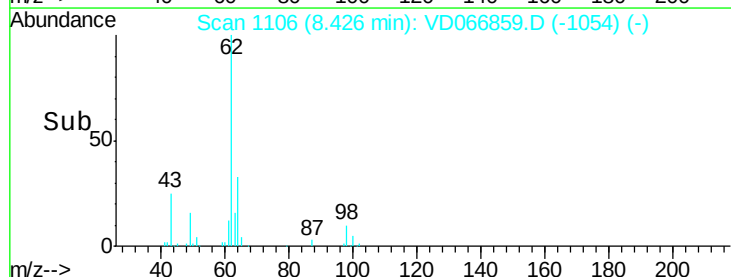
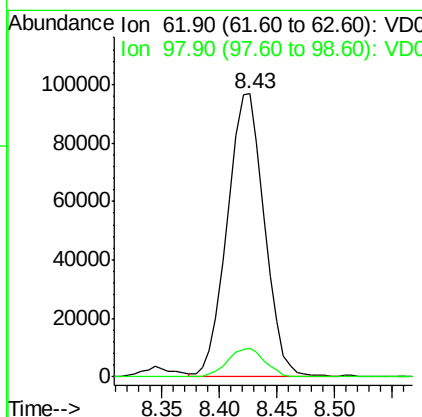
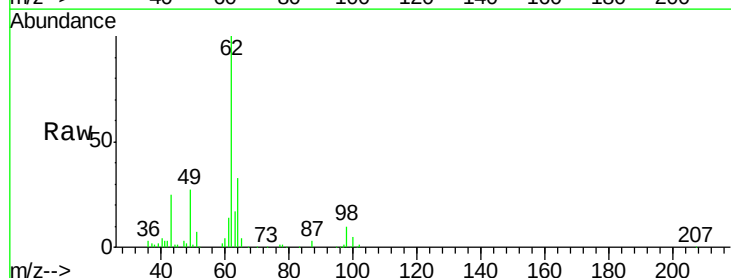
Acq: 24 Sep 2020 18:56

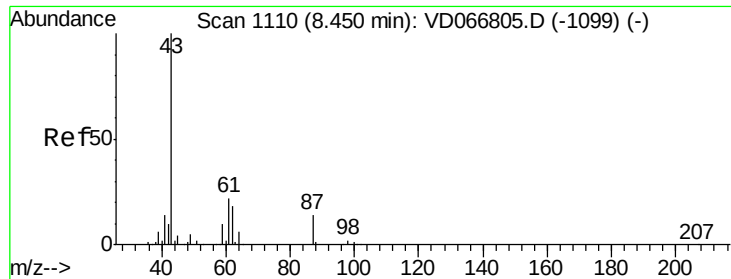
Tgt Ion: 62 Resp: 214746

Ion Ratio Lower Upper

62 100

98 10.2 0.0 19.8





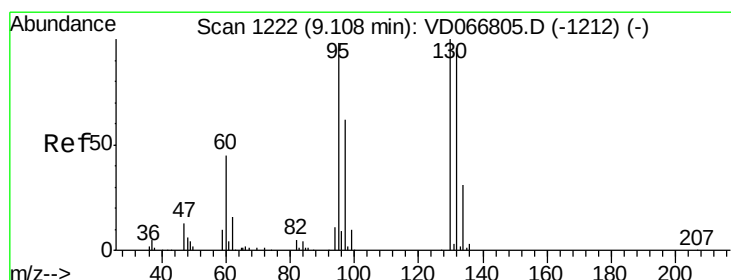
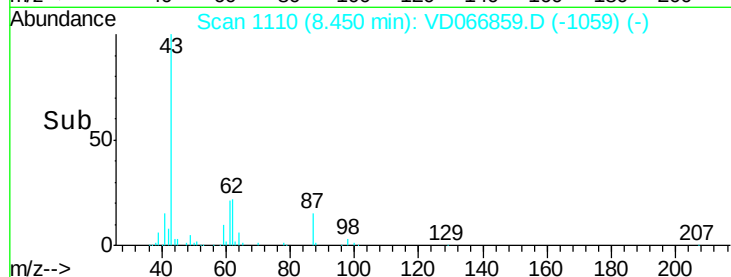
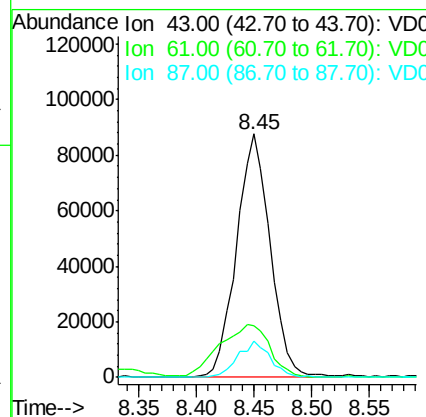
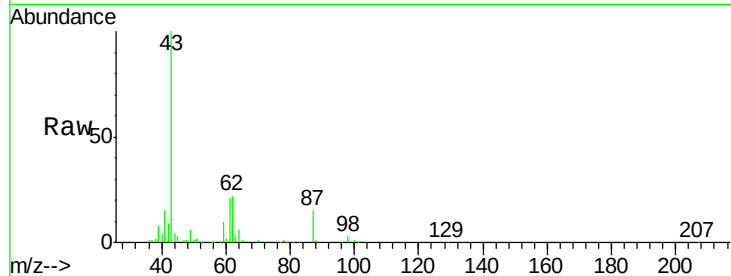
#43
Isopropyl Acetate
Concen: 49.515 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	177848		
61	32.4		26.2	39.4
87	14.3		11.5	17.3

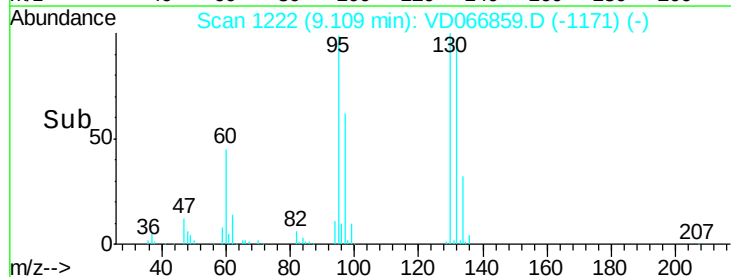
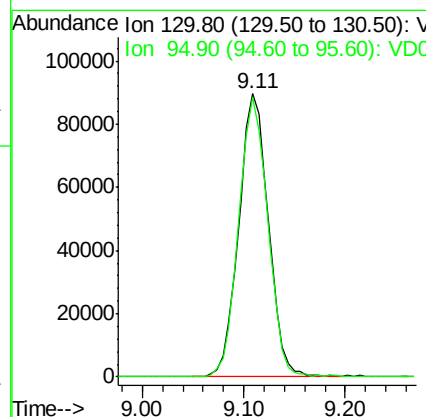
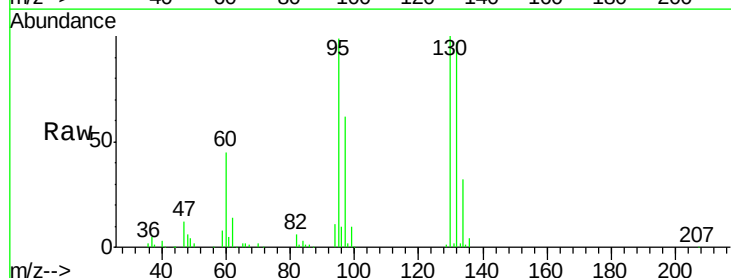
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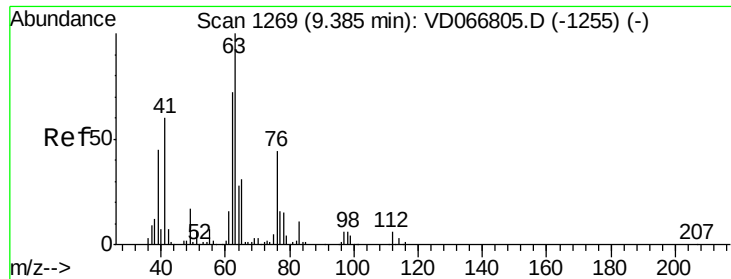
MMDadoda
9/25/2020 4:00:14 PM



#44
Trichloroethene
Concen: 44.330 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	181478		
95	98.8		0.0	197.0





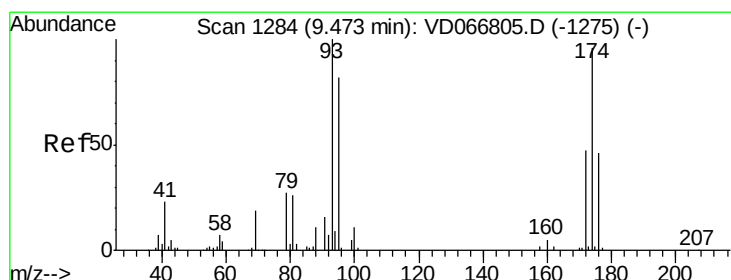
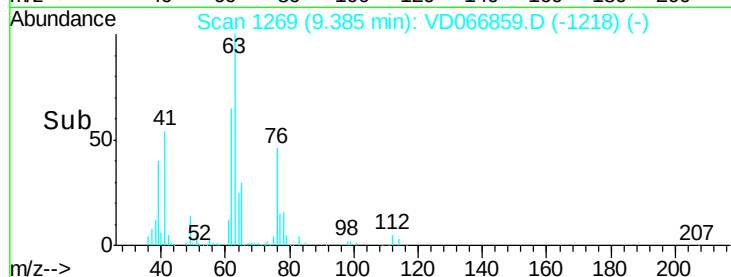
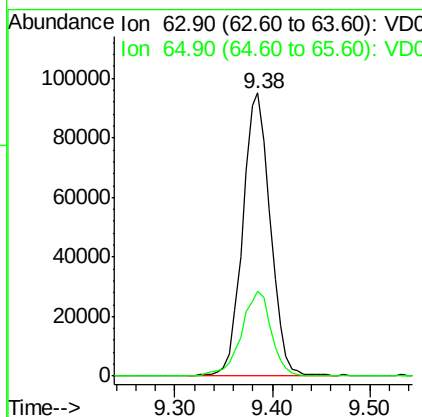
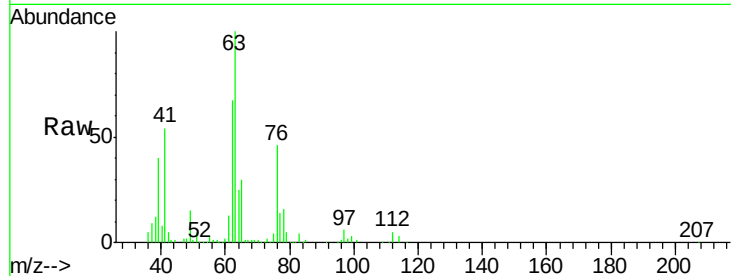
#45
 1,2-Dichloropropane
 Concen: 51.724 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampled :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1

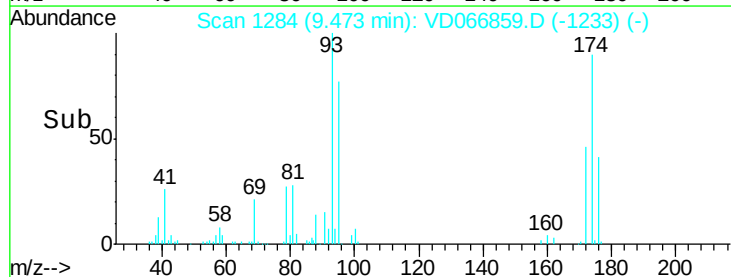
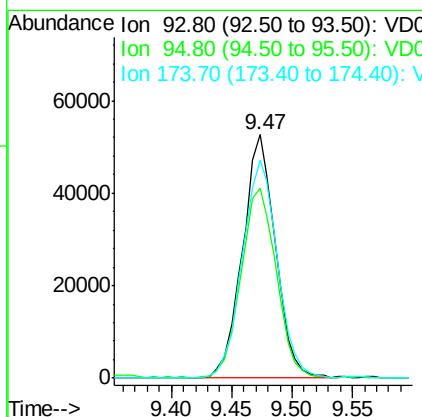
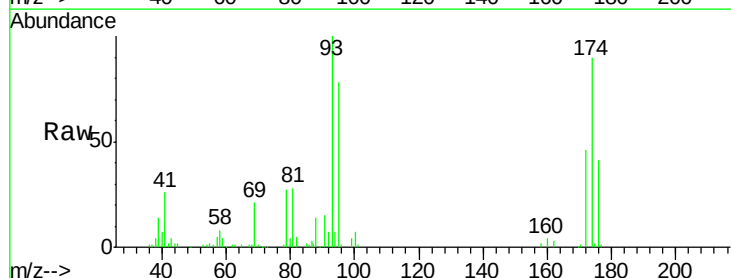
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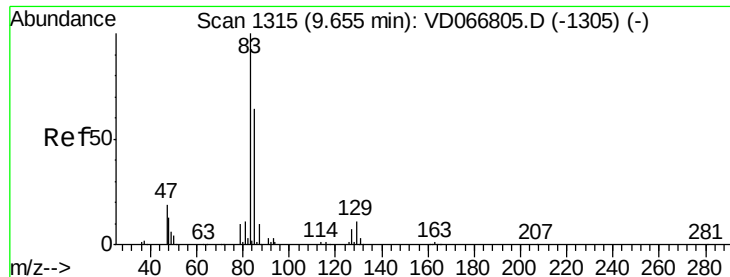
MMDadoda
 9/25/2020 4:00:14 PM



#46
 Dibromomethane
 Concen: 51.234 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.3	97.9
174	95.1	75.4	113.2





#47

Bromodichloromethane

Concen: 51.113 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

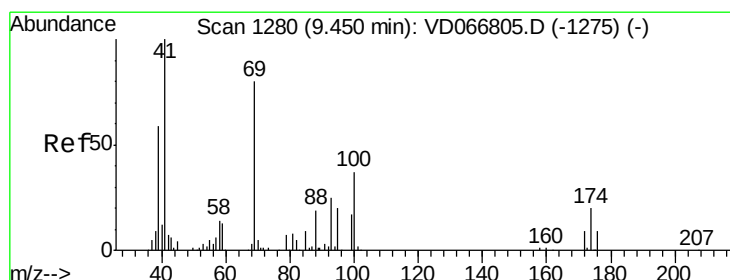
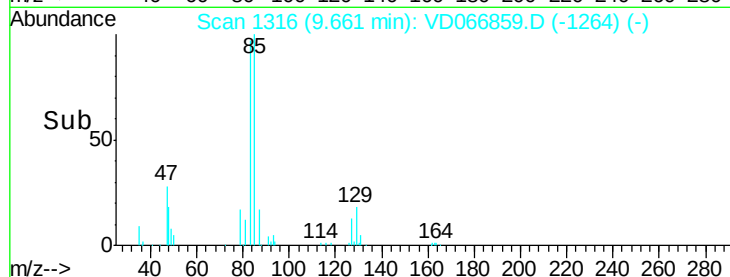
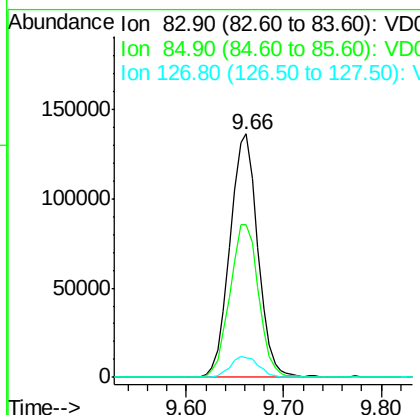
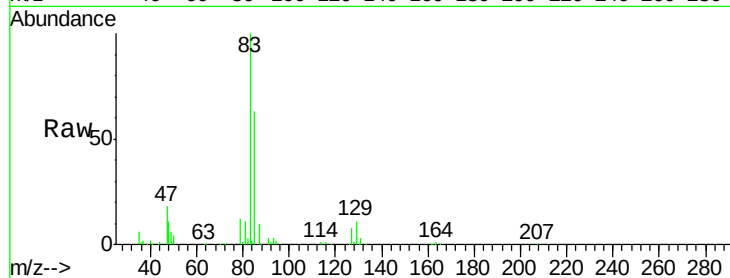
ClientSampleId :

B-2(4-5)MS

Tot Ion:	83	Resp:	269581
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	7.9	5.9	8.9

Manual Integrations
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MMDadoda
9/25/2020 4:00:14 PM



#48

Methyl methacrylate

Concen: 57.296 ug/l

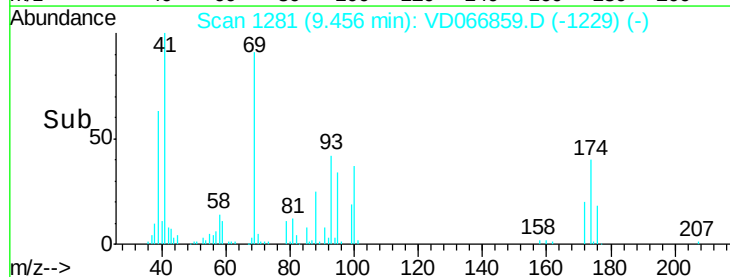
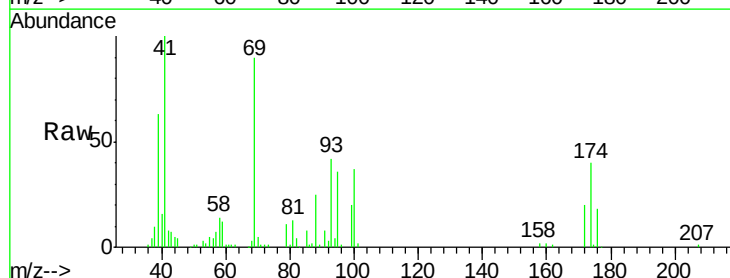
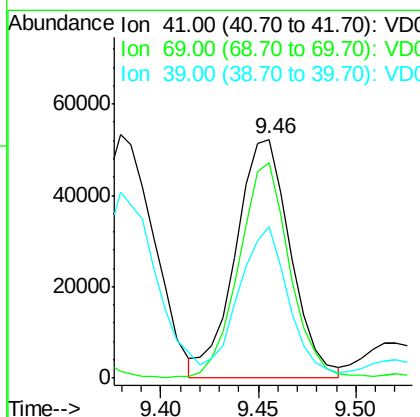
RT: 9.46 min Scan# 1281

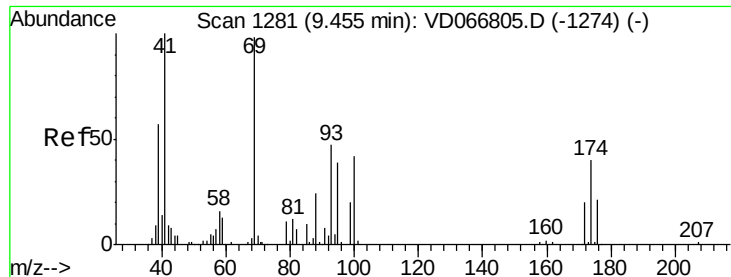
Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	41	Resp:	101465
Ion	Ratio	Lower	Upper
41	100		
69	83.8	74.5	111.7
39	57.6	47.0	70.6





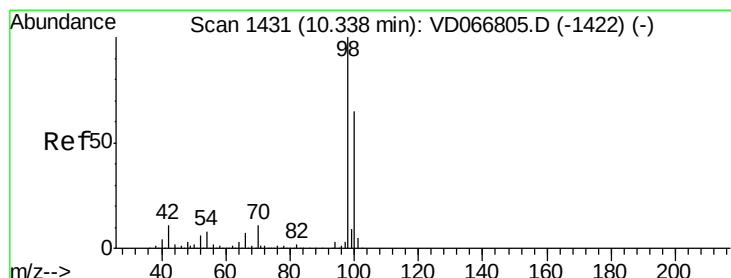
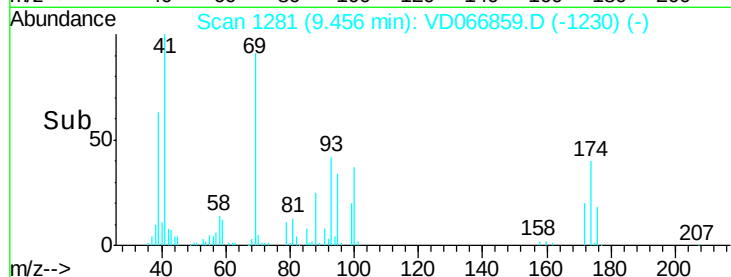
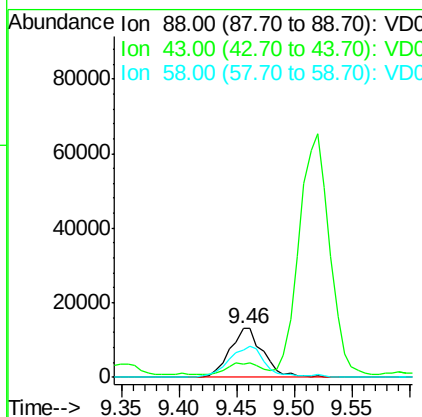
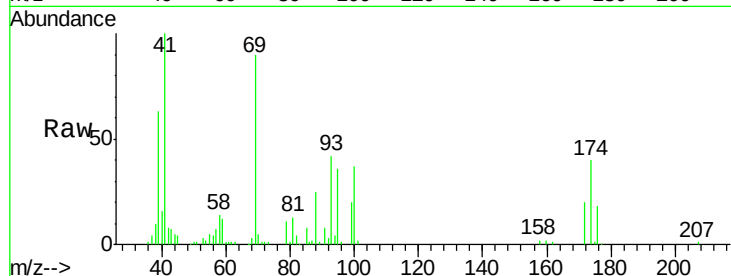
#49
1,4-Dioxane
Concen: 1214.412 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	88	Resp	26544
Ion	Ratio	Lower	Upper
88	100		
43	25.2	27.7	41.5#
58	66.0	55.5	83.3

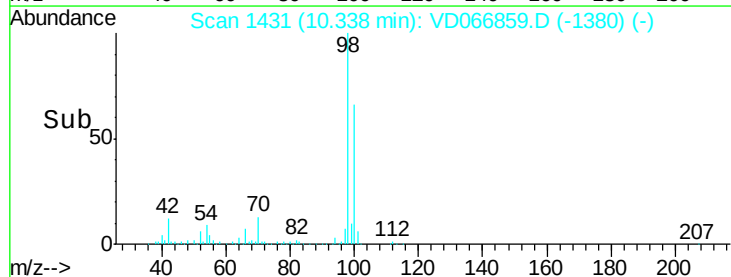
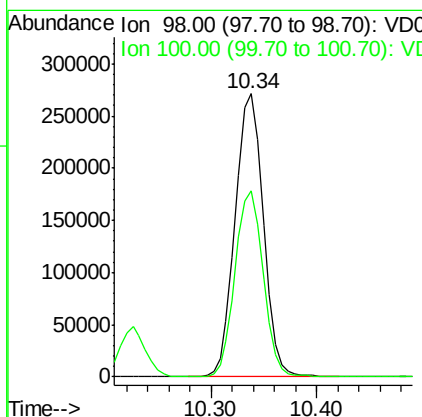
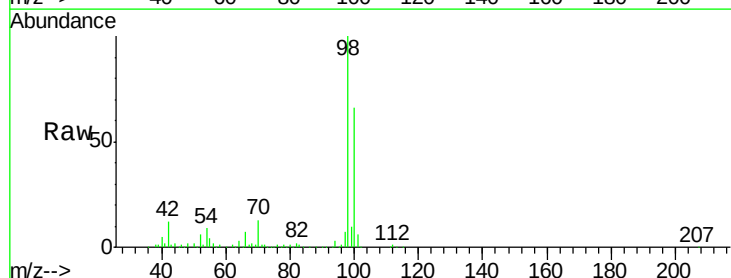
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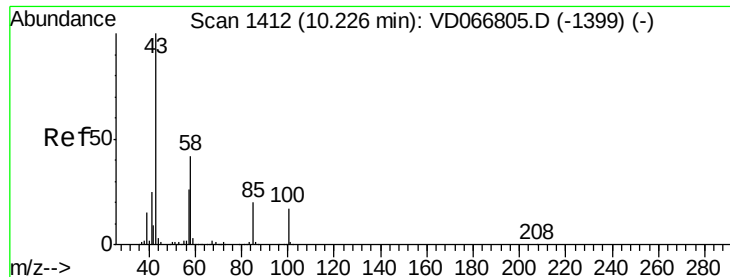
MMDadoda
9/25/2020 4:00:14 PM



#50
Toluene-d8
Concen: 44.638 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	98	Resp	502625
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





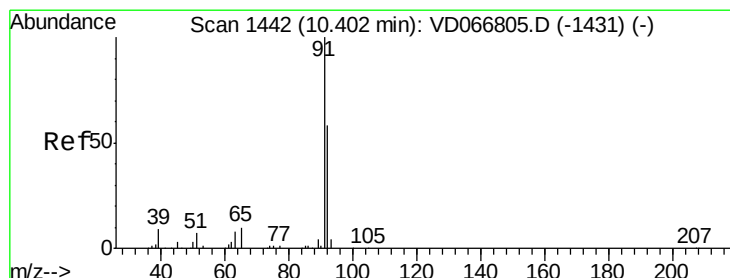
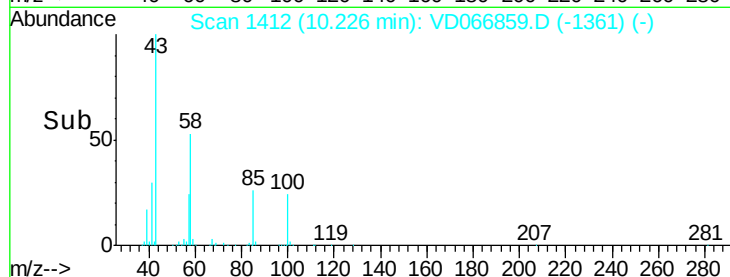
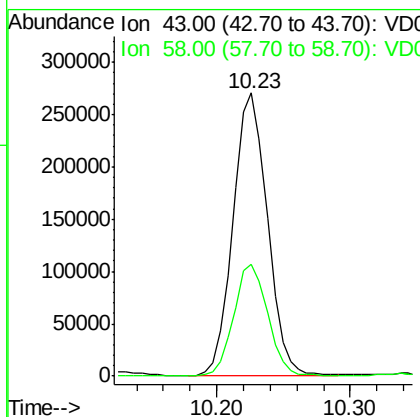
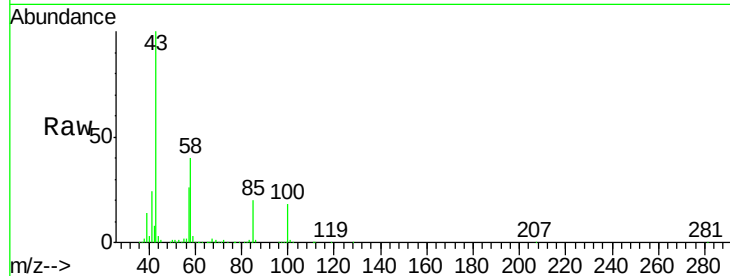
#51
4-Methyl-2-Pentanone
Concen: 266.324 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	43	Resp	484702
Ion Ratio	100	Lower	Upper
58	39.3	32.2	48.4

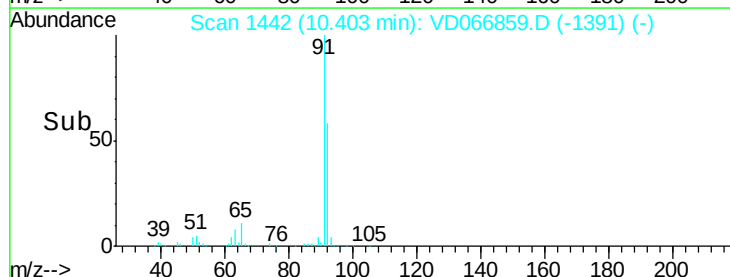
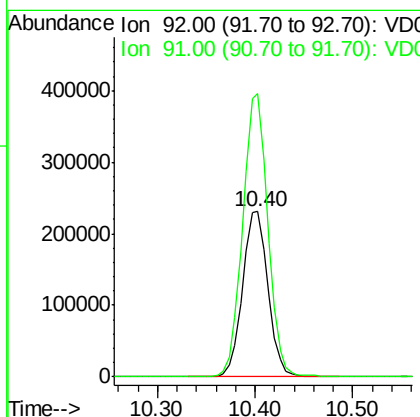
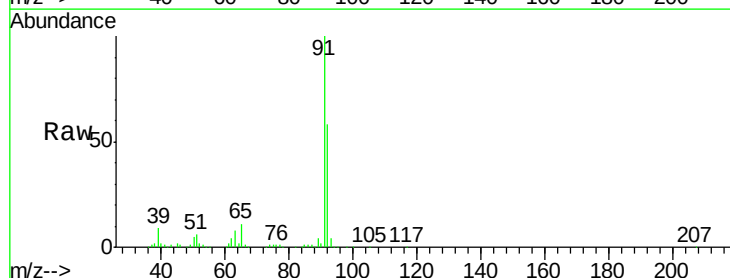
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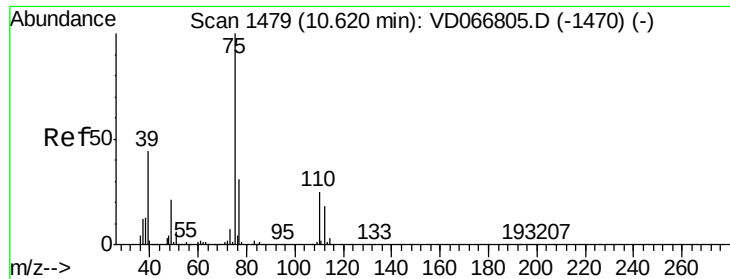
MMDadoda
9/25/2020 4:00:14 PM



#52
Toluene
Concen: 45.364 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	92	Resp	419682
Ion Ratio	100	Lower	Upper
91	170.0	134.6	202.0





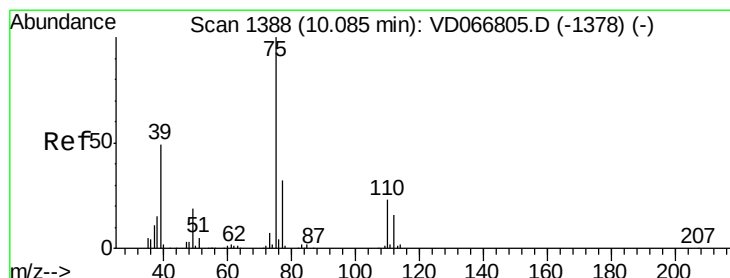
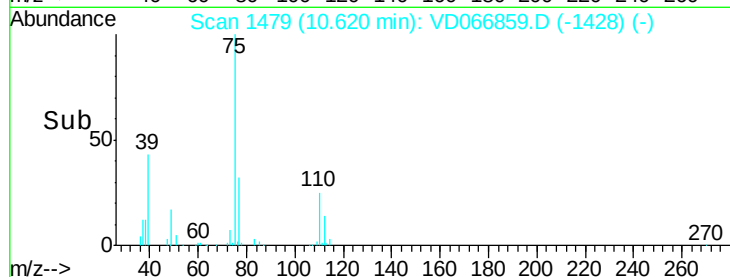
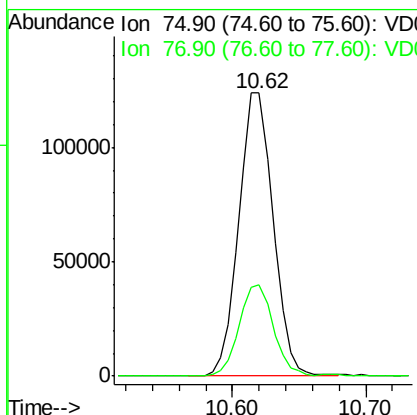
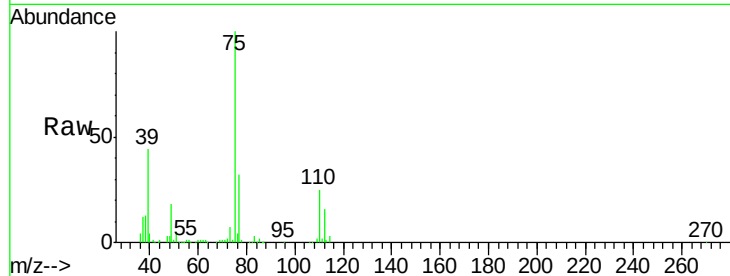
#53
 t-1,3-Dichloropropene
 Concen: 49.228 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampled :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.5	36.7

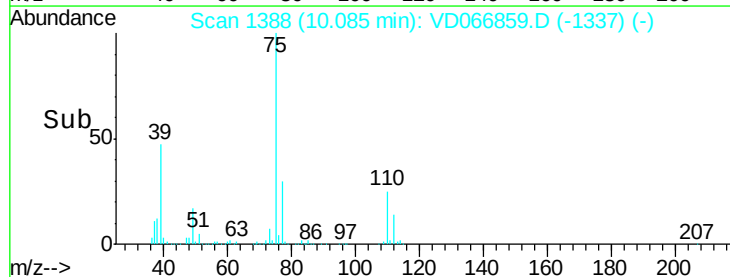
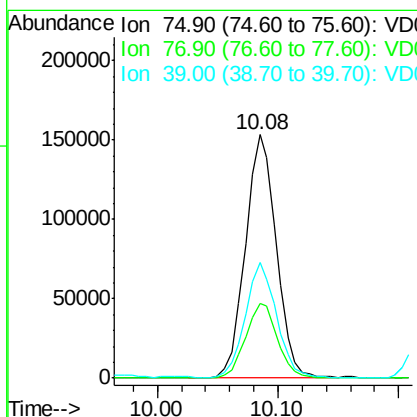
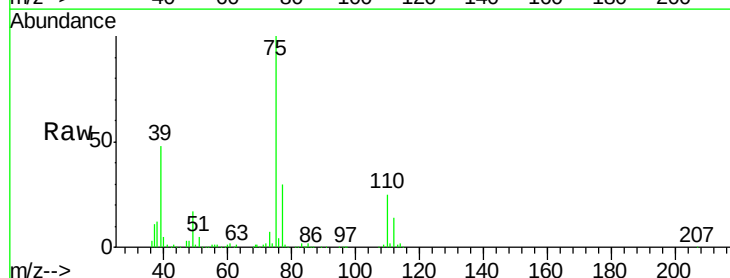
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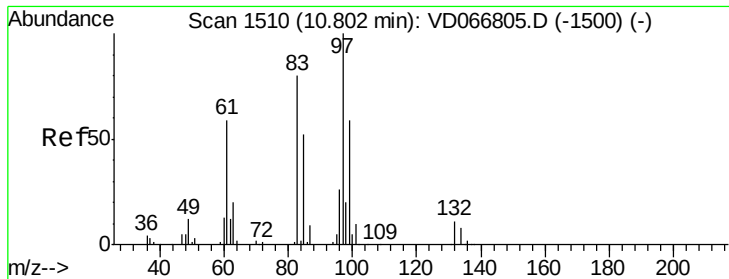
MMDadoda
 9/25/2020 4:00:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.150 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	47.2	39.2	58.8





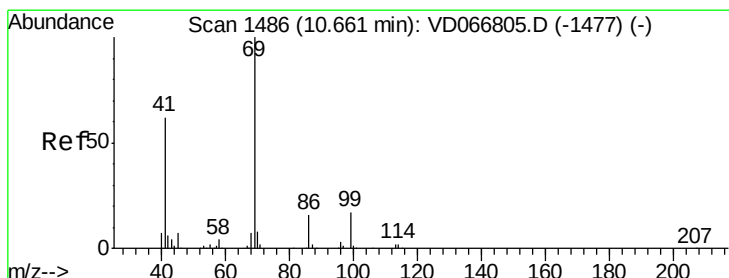
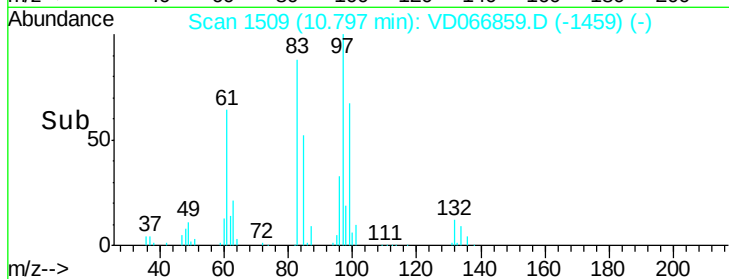
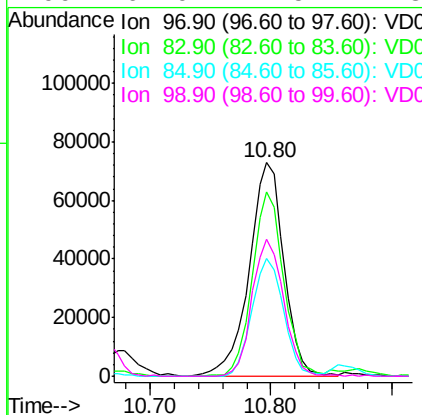
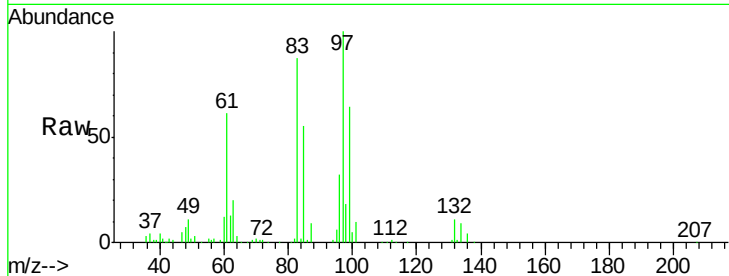
#55
 1,1,2-Trichloroethane
 Concen: 53.995 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	97	Resp	145735
Ion	Ratio	Lower	Upper
97	100		
83	86.5	64.2	96.2
85	55.4	41.9	62.9
99	64.0	47.5	71.3

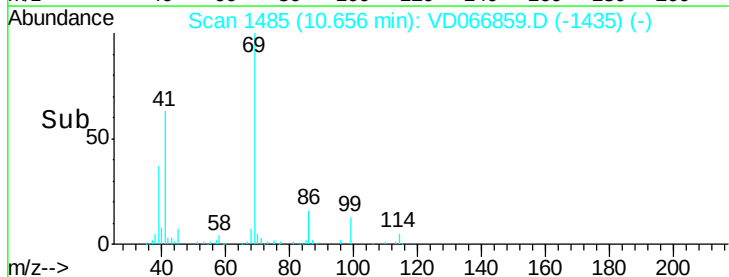
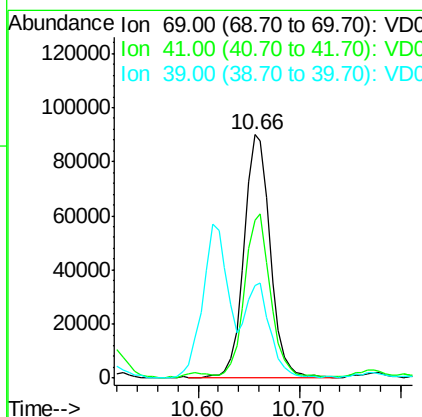
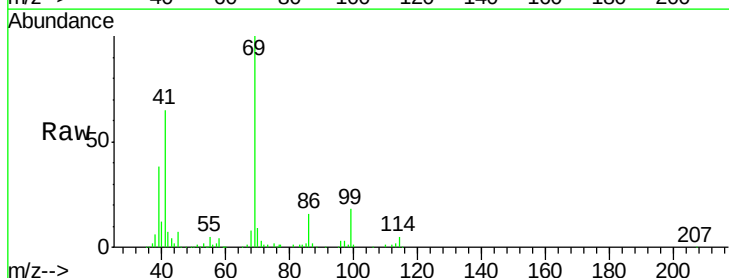
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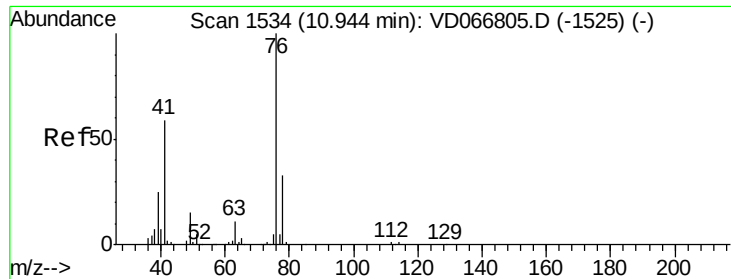
MMDadoda
 9/25/2020 4:00:14 PM



#56
 Ethyl methacrylate
 Concen: 55.342 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	69	Resp	160018
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.2	78.2
39	37.8	26.6	40.0





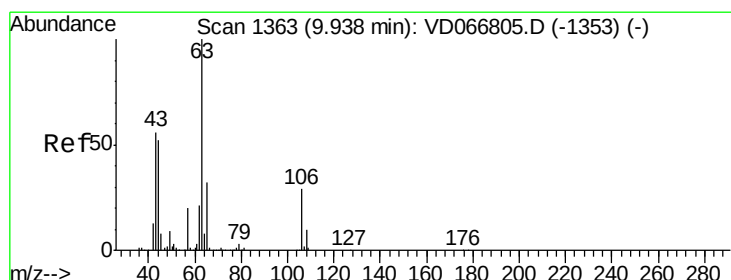
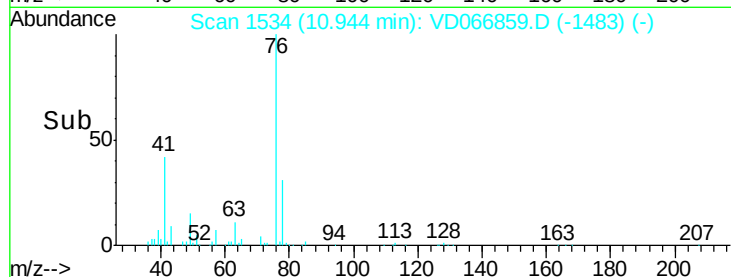
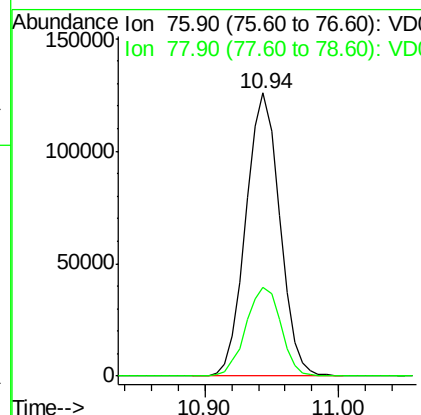
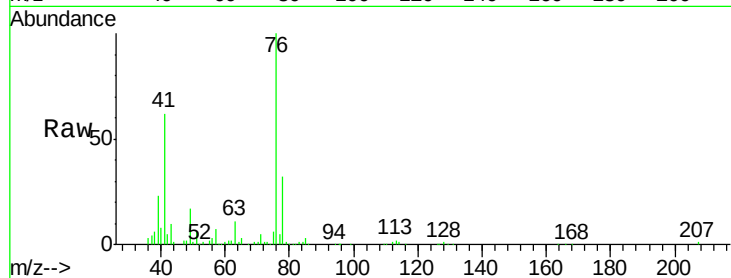
#57
 1,3-Dichloropropane
 Concen: 49.622 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampled :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

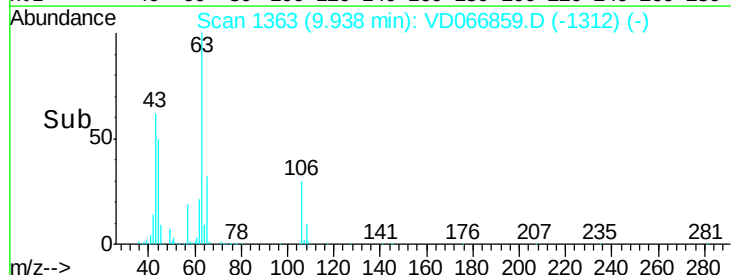
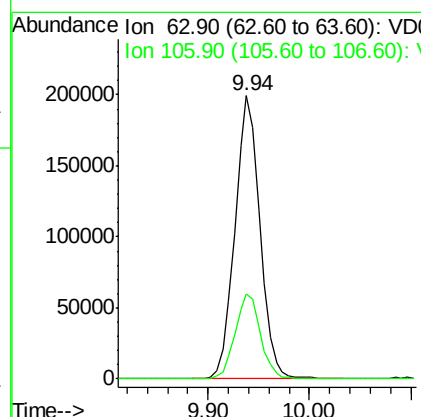
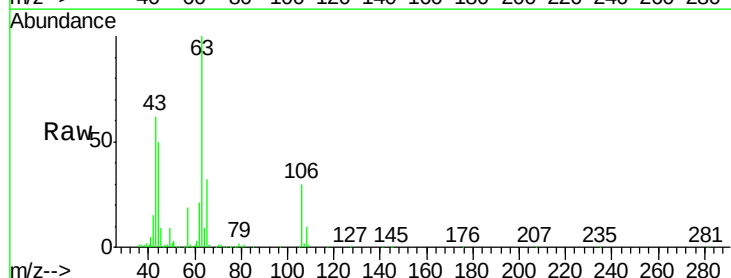
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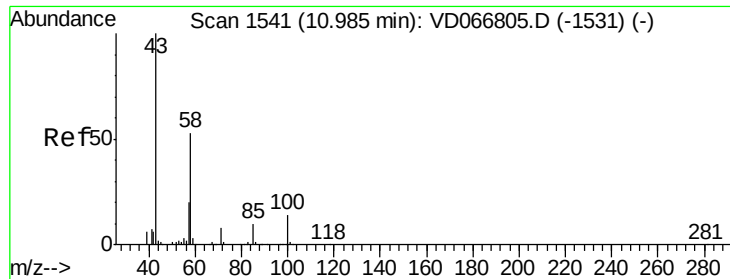
MMDadoda
 9/25/2020 4:00:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.683 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.8	35.6





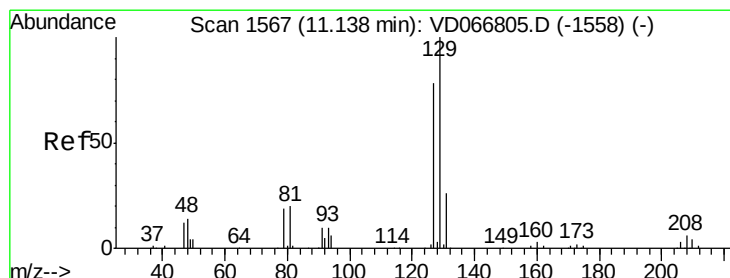
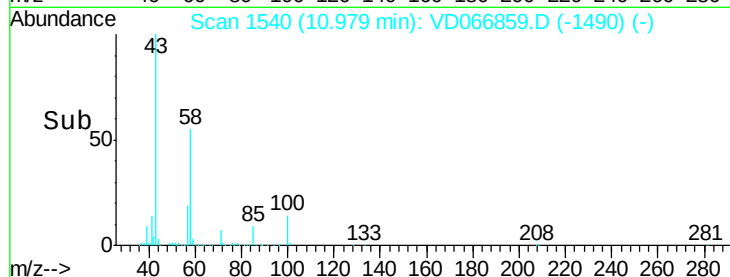
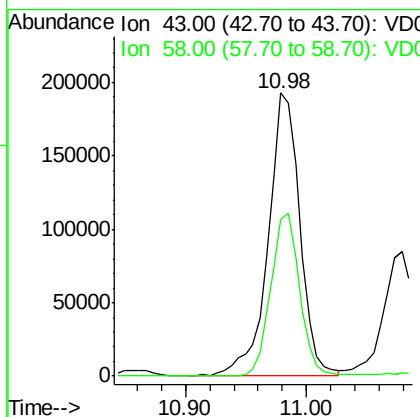
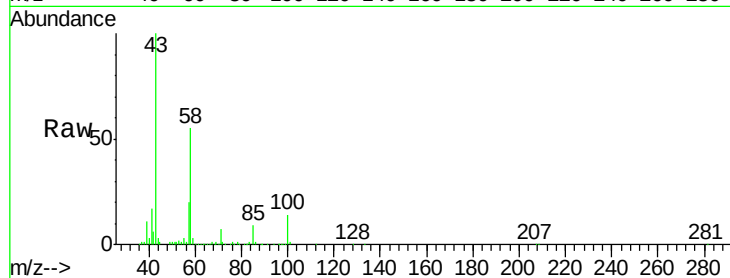
#59
2-Hexanone
Concen: 283.162 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion: 43 Resp: 347537
Ion Ratio Lower Upper
43 100
58 52.5 27.0 80.8

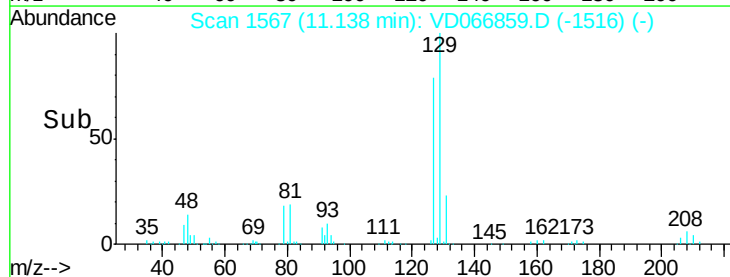
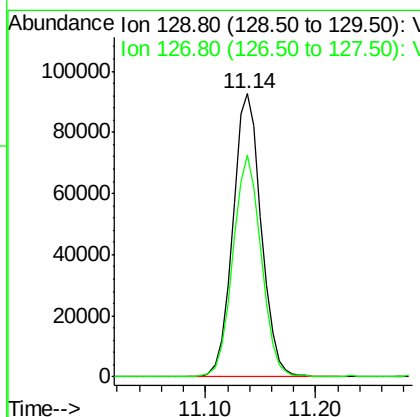
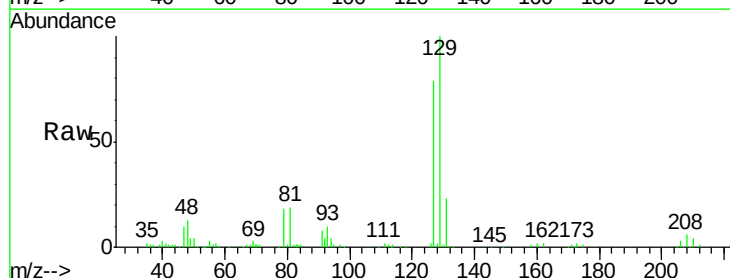
Manual Integrations
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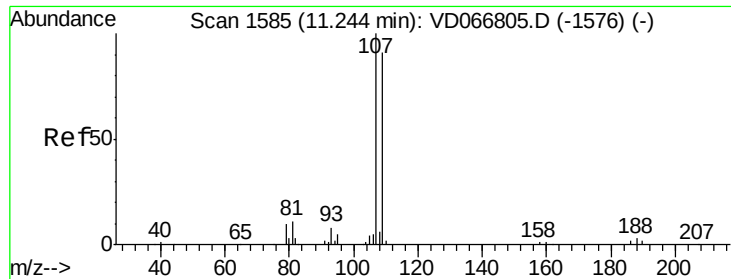
MMDadoda
9/25/2020 4:00:14 PM



#60
Dibromochloromethane
Concen: 47.282 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 129 Resp: 166558
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.968 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion:107 Resp: 122934

Ion Ratio Lower Upper

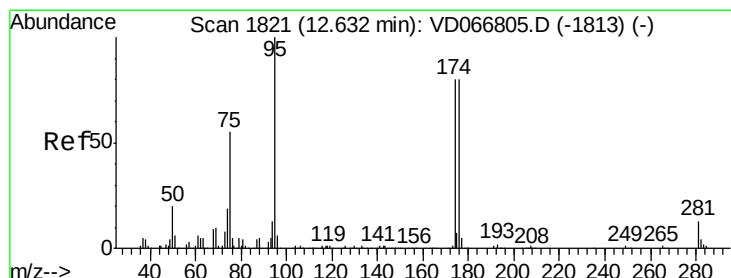
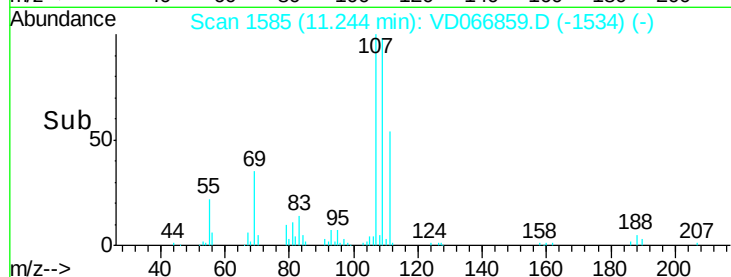
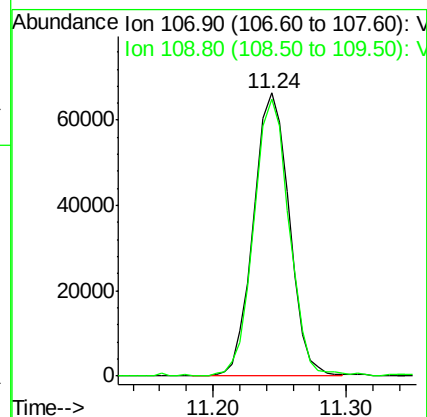
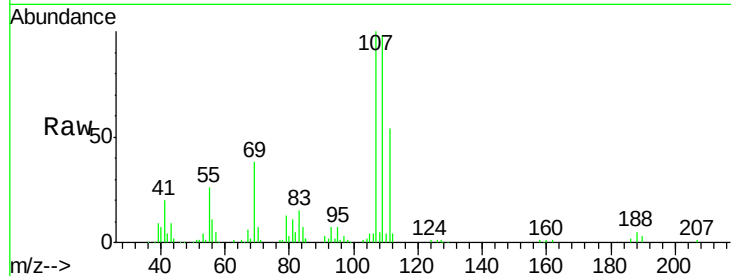
107 100

109 97.2 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 37.134 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

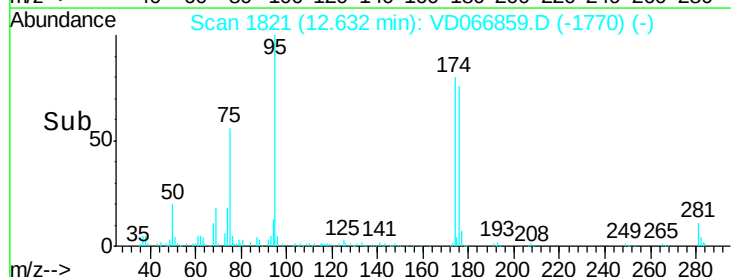
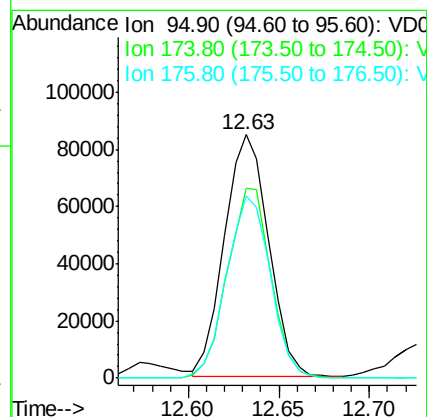
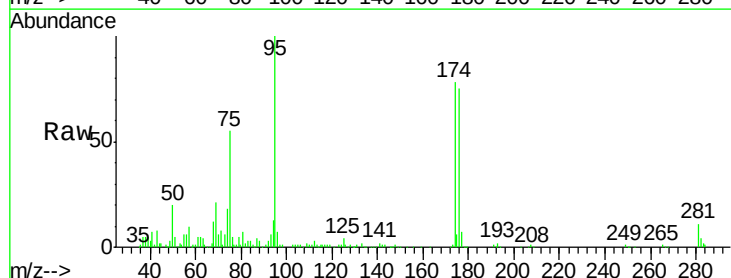
Tgt Ion: 95 Resp: 143141

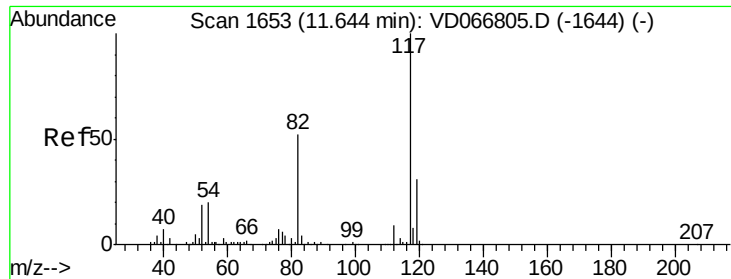
Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.8

176 74.8 0.0 154.4





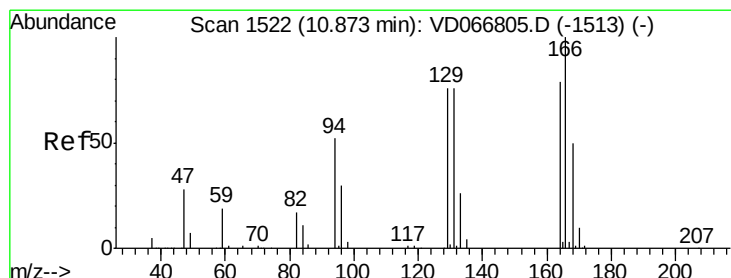
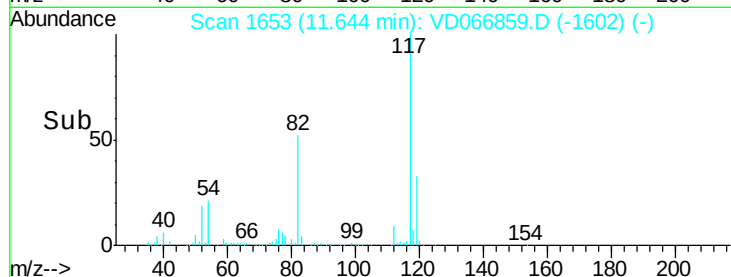
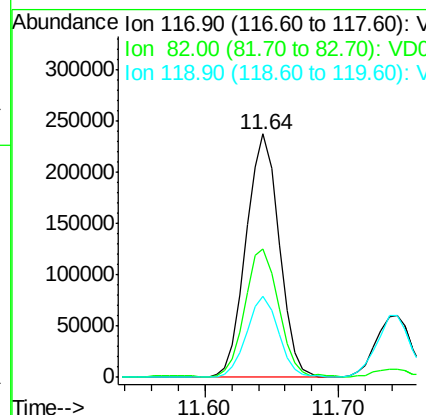
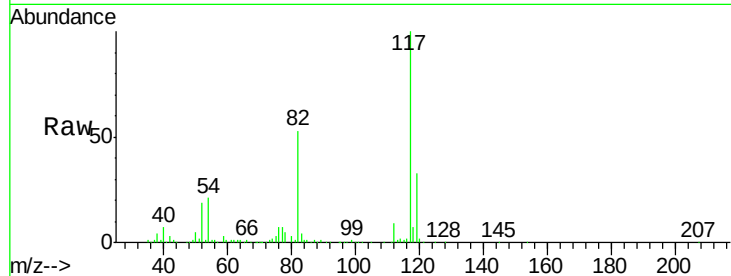
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406780		
82	52.3	41.8	62.6	
119	33.5	24.6	37.0	

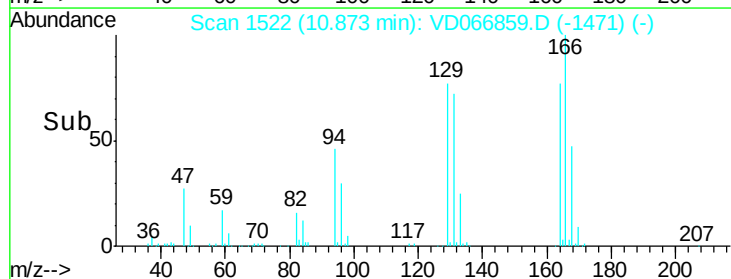
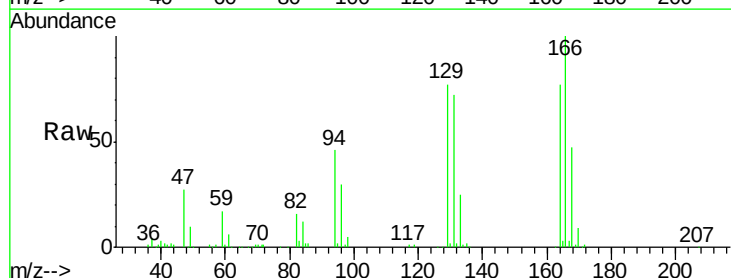
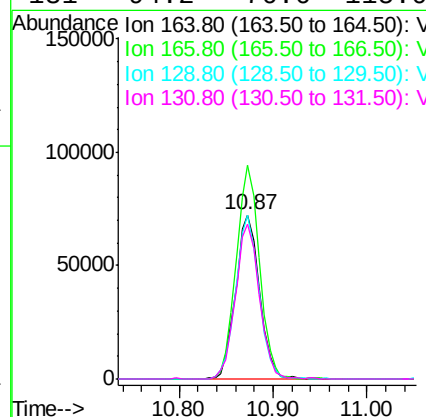
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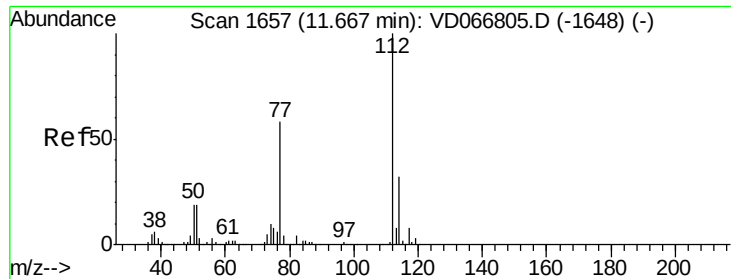
MMDadoda
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#64
Tetrachloroethene
Concen: 43.626 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127651		
166	130.1	101.1	151.7	
129	99.9	77.0	115.4	
131	94.2	76.6	115.0	





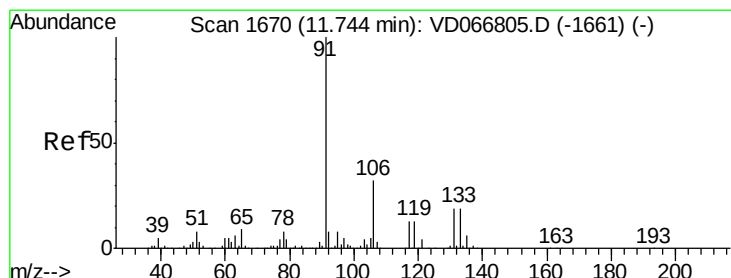
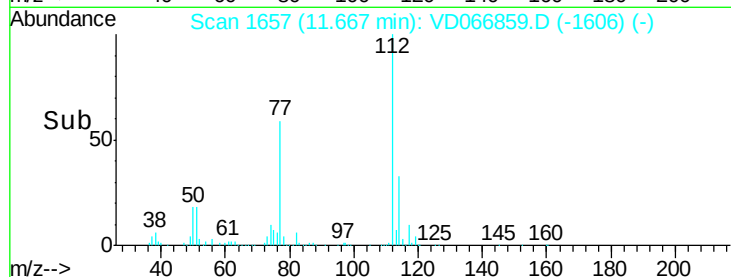
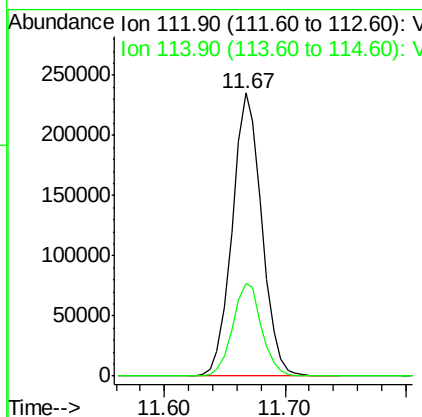
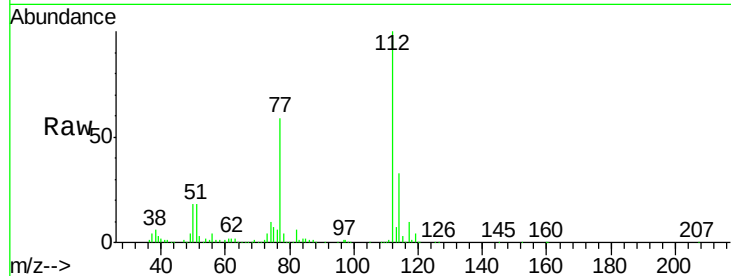
#65
Chlorobenzene
Concen: 47.212 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion:112 Resp: 399764
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

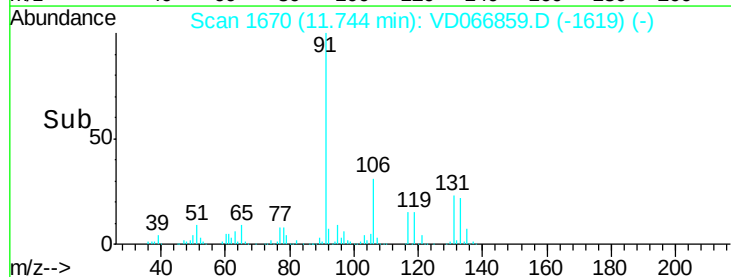
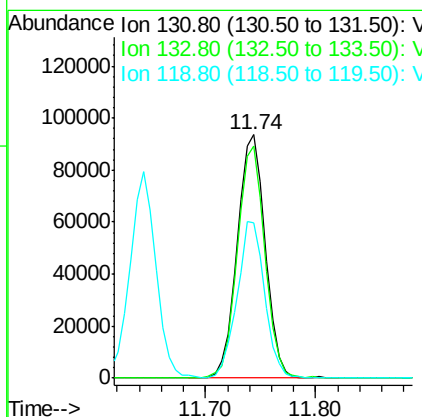
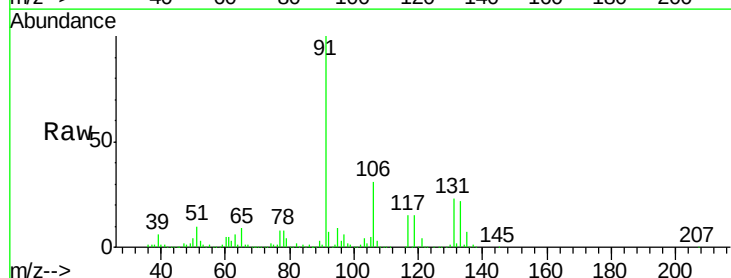
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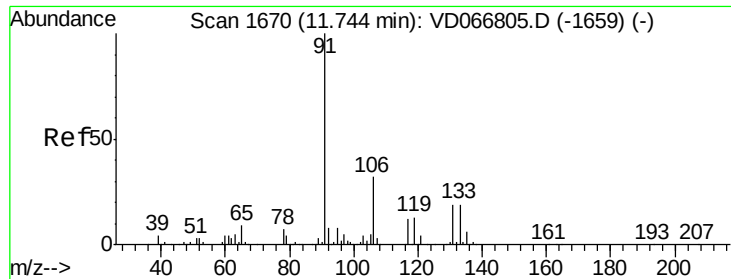
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.168 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion:131 Resp: 167183
Ion Ratio Lower Upper
131 100
133 93.3 46.7 140.1
119 63.3 32.3 96.9





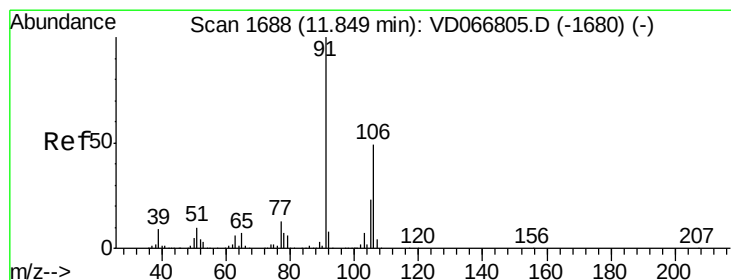
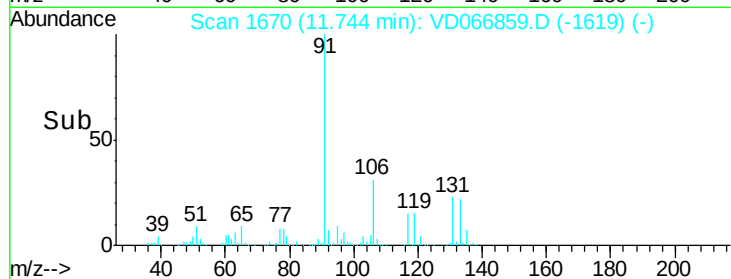
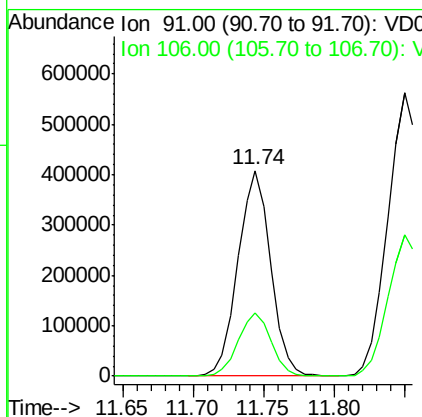
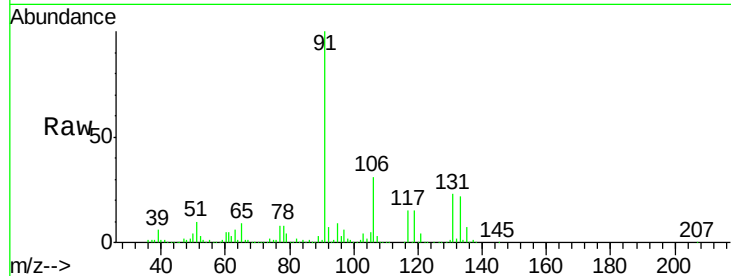
#67
Ethyl Benzene
Concen: 44.548 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion: 91 Resp: 662492
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4

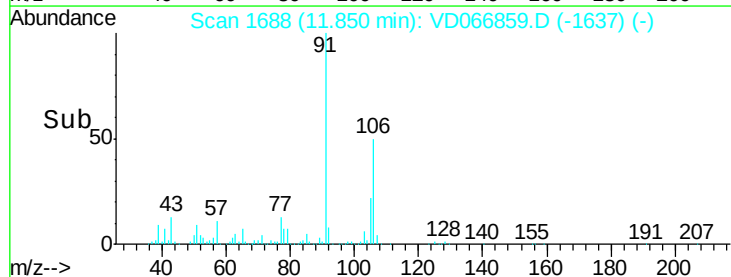
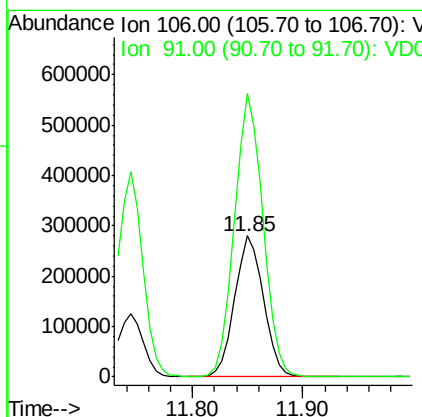
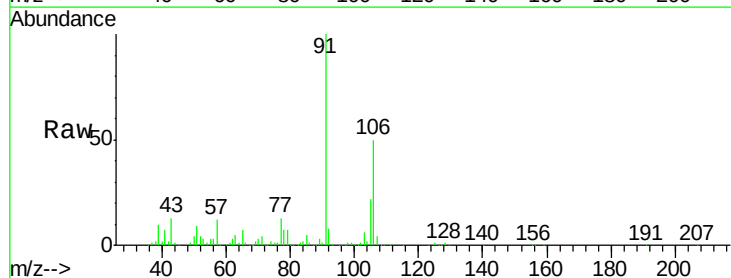
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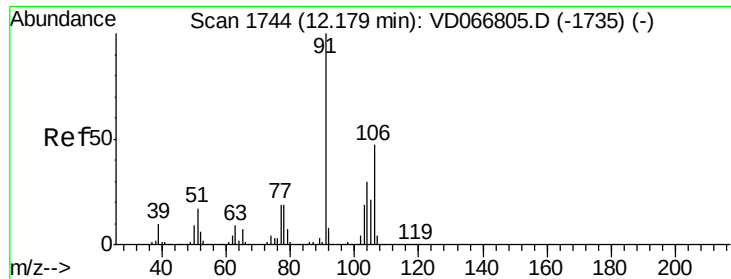
MMDadoda
9/25/2020 4:00:14 PM



#68
m/p-Xylenes
Concen: 90.875 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 106 Resp: 511669
Ion Ratio Lower Upper
106 100
91 199.7 160.7 241.1





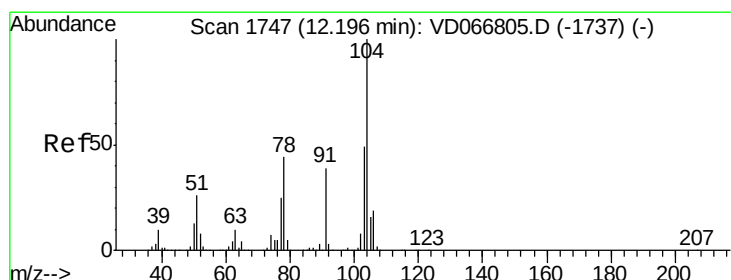
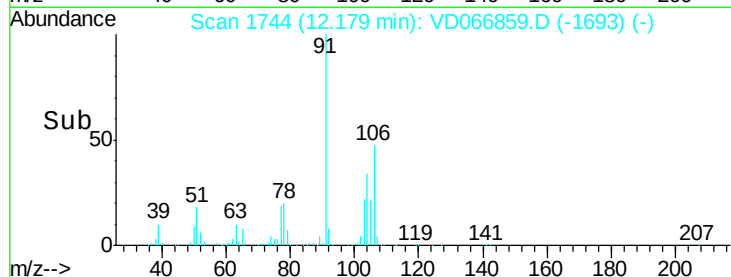
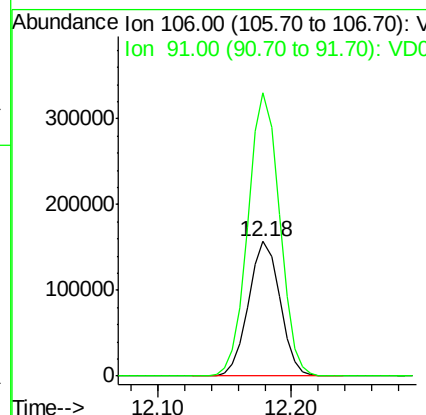
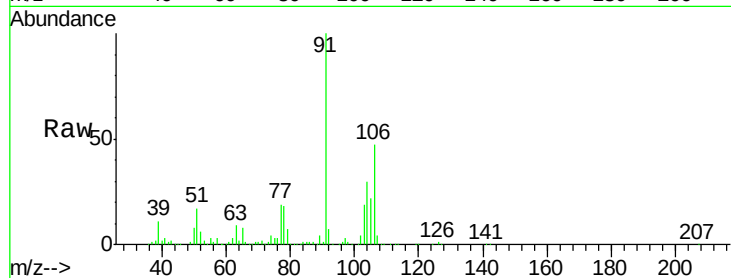
#69
o-Xylene
Concen: 50.213 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
106	100	255649		
91	211.7	106.3	318.8	

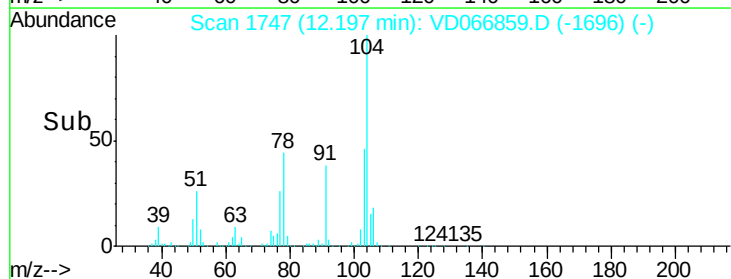
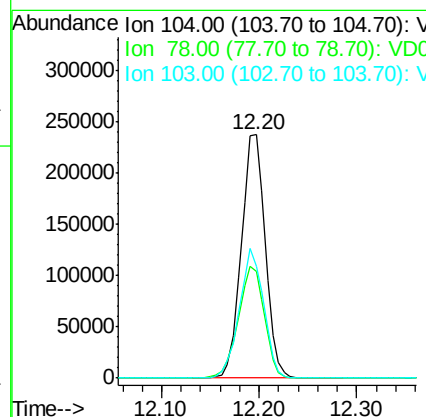
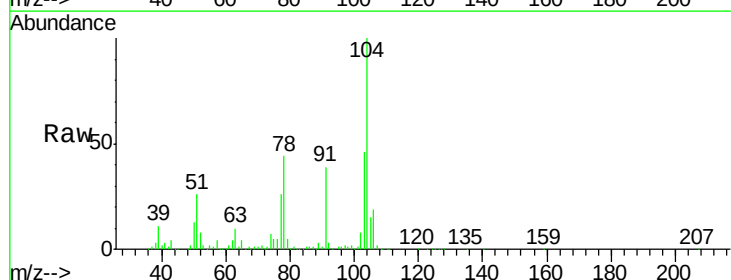
Manual Integrations
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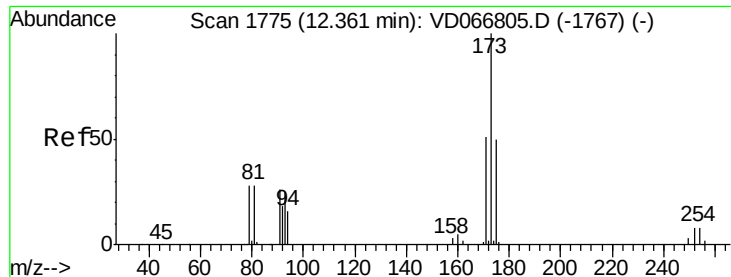
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#70
Styrene
Concen: 45.896 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	405792		
78	49.8	38.9	58.3	
103	54.0	43.2	64.8	





#71

Bromoform

Concen: 50.320 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion:173 Resp: 81648

Ion Ratio Lower Upper

173 100

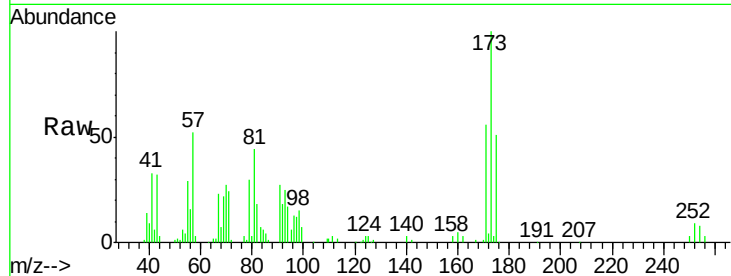
175 49.4 24.9 74.6

254 0.1 0.1 0.1#

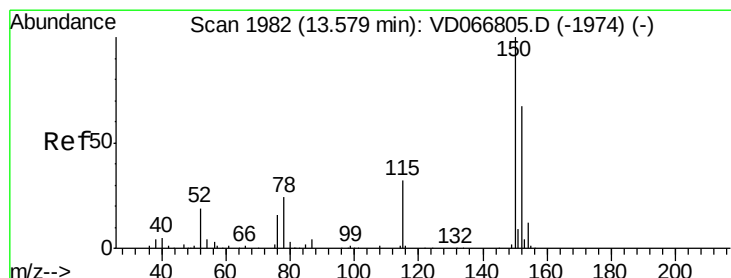
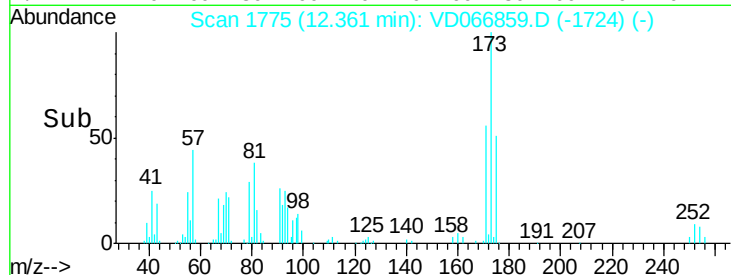
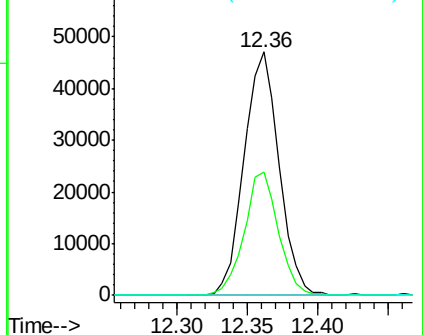
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

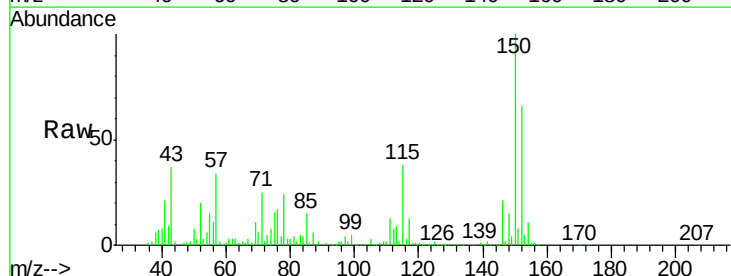
Tgt Ion:152 Resp: 123217

Ion Ratio Lower Upper

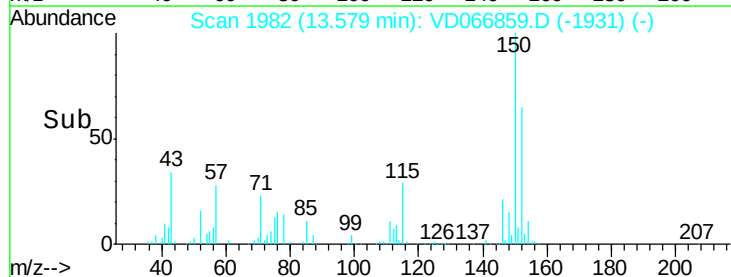
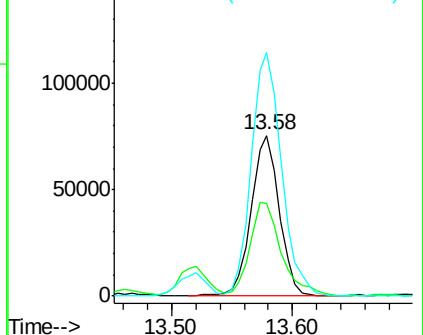
152 100

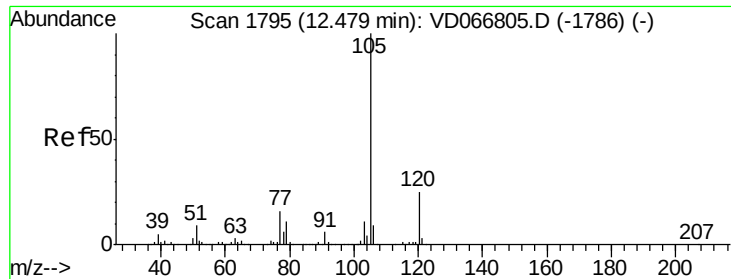
115 63.9 30.3 91.0

150 162.7 0.0 346.2



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: 55.117 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

Tot Ion: 105 Resp: 490606

Ion Ratio Lower Upper

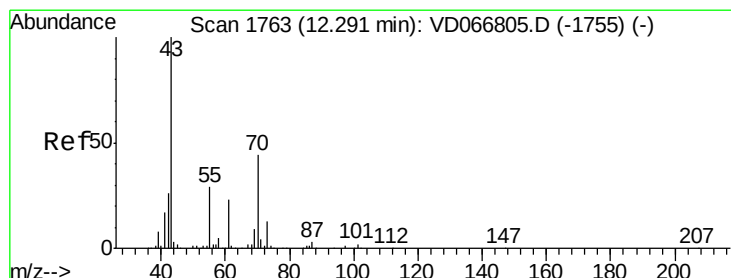
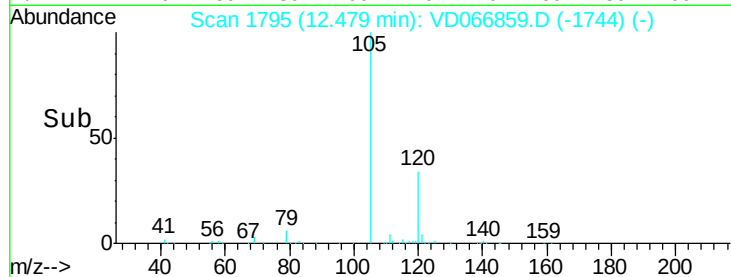
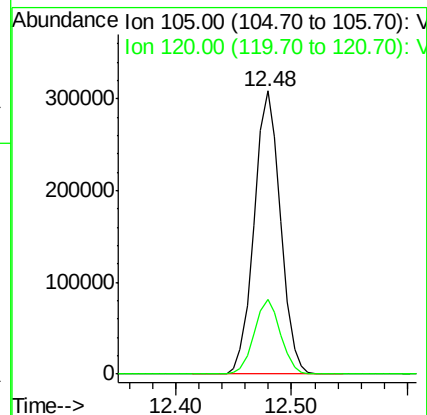
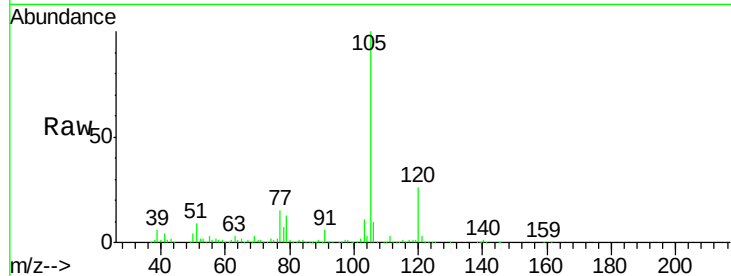
105 100

120 26.3 12.9 38.6

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#74

N-ethyl acetate

Concen: 107.300 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion: 43 Resp: 186515

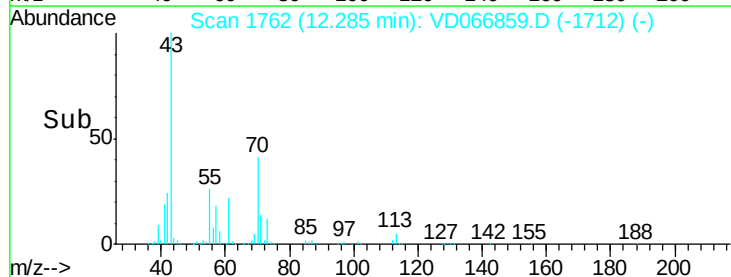
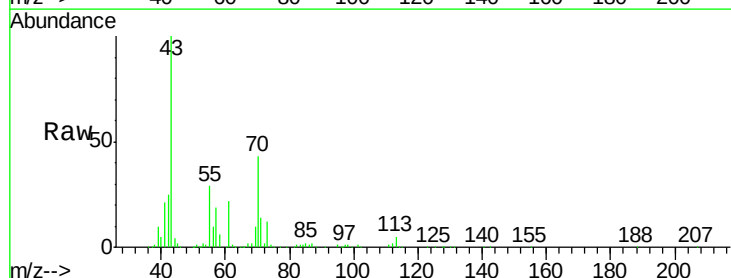
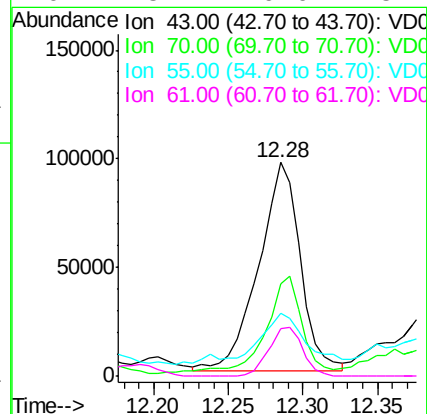
Ion Ratio Lower Upper

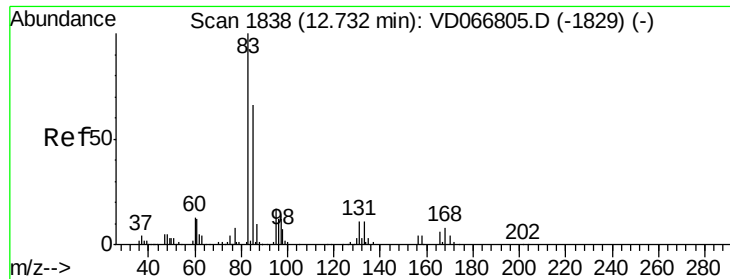
43 100

70 40.4 36.1 54.1

55 21.5 21.8 32.8#

61 18.7 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 76.721 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

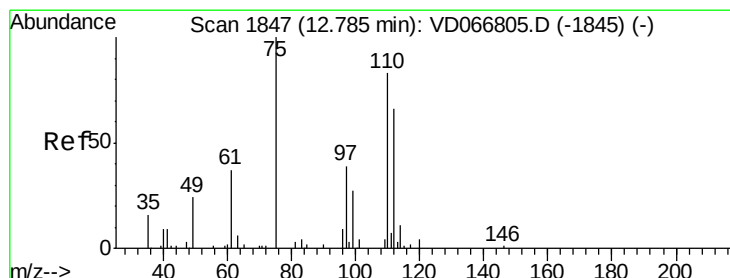
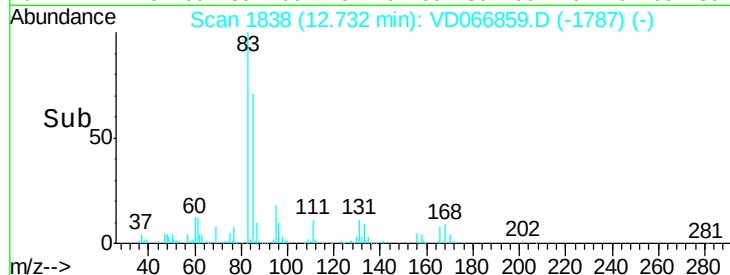
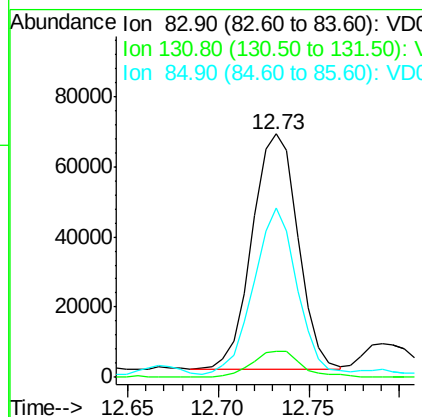
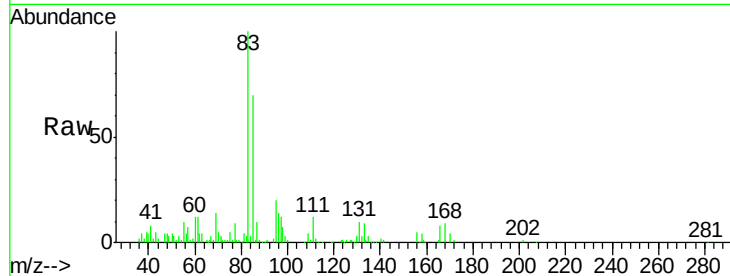
ClientSampleId :

B-2(4-5)MS

Tot Ion:	83	Resp:	117839
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.7
85	67.2	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 76.896 ug/l m

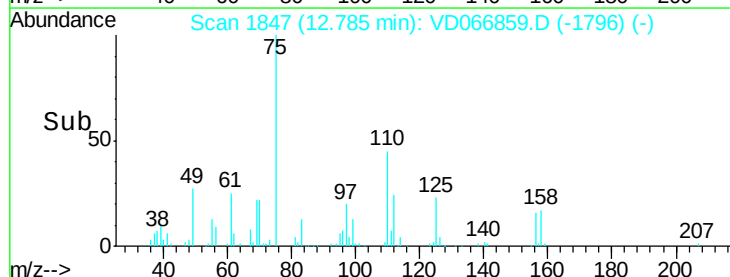
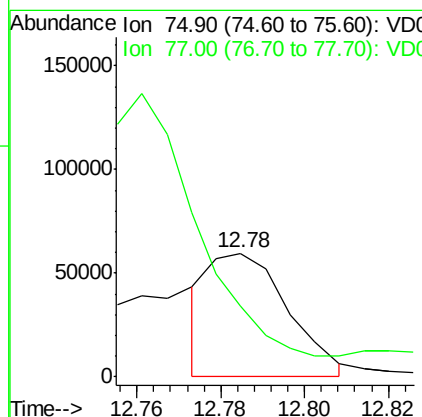
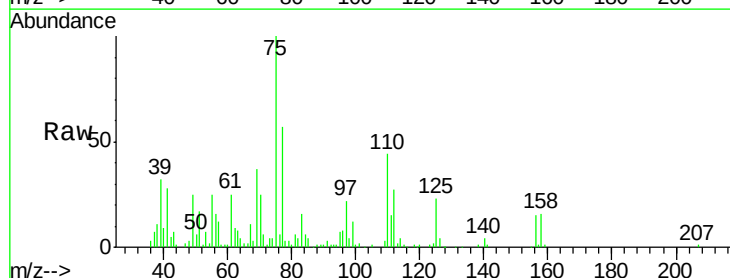
RT: 12.78 min Scan# 1847

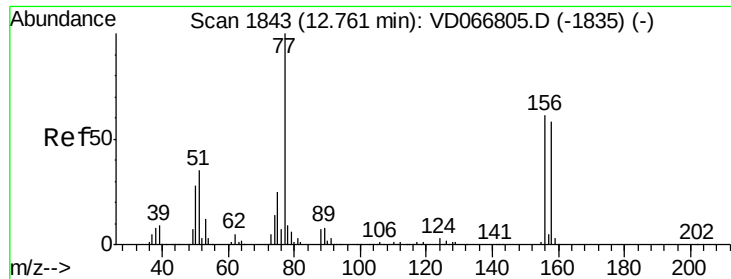
Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	75	Resp:	78520
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 66.123 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

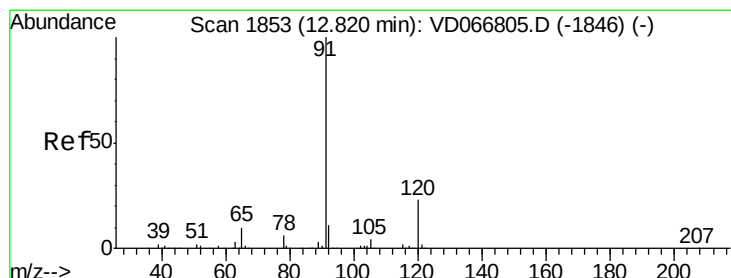
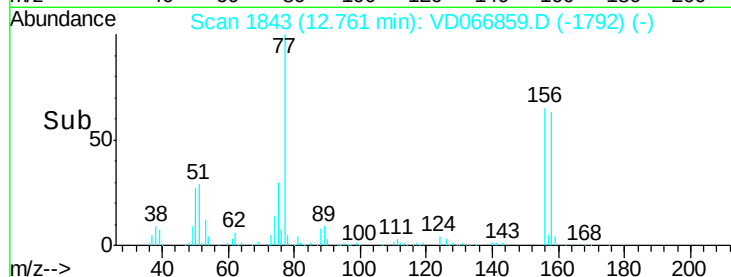
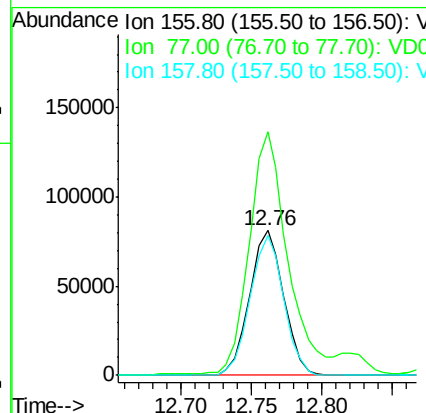
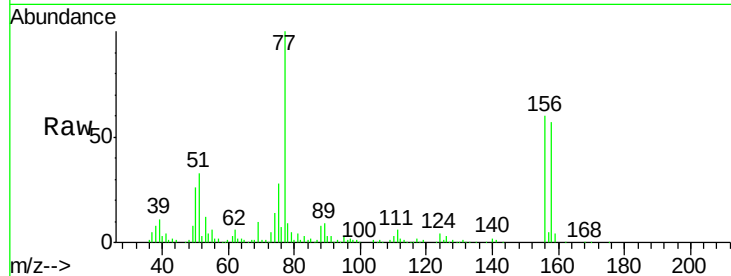
ClientSampleId :

B-2(4-5)MS

Tot Ion:	156	Resp:	137654
Ion Ratio	Lower	Upper	
156	100		
77	186.0	92.3	276.9
158	95.4	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 46.379 ug/l

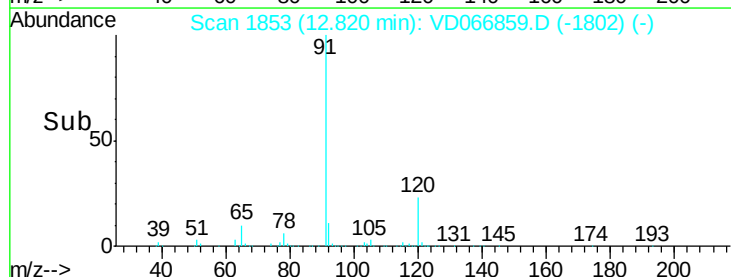
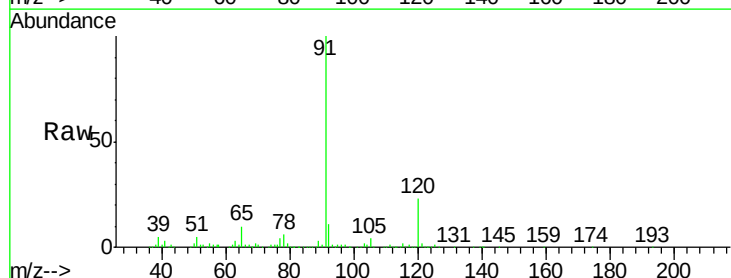
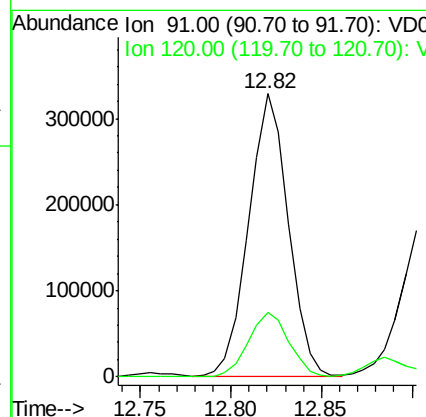
RT: 12.82 min Scan# 1853

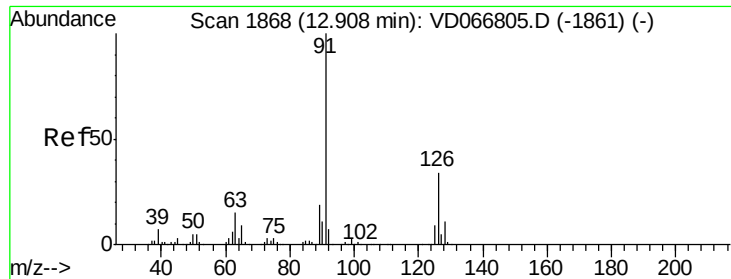
Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	91	Resp:	496656
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.2





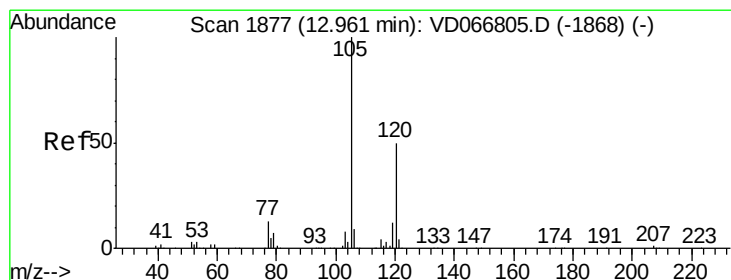
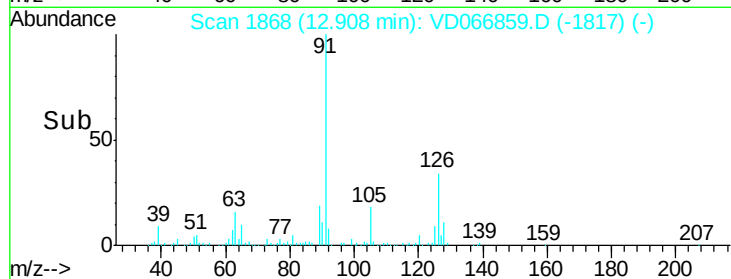
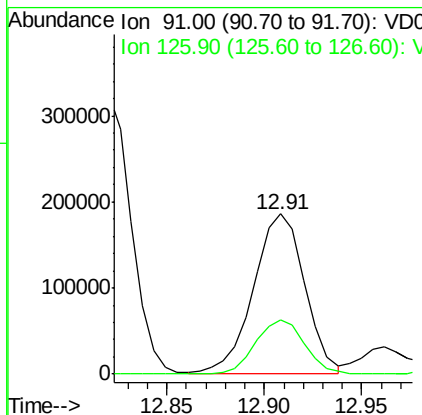
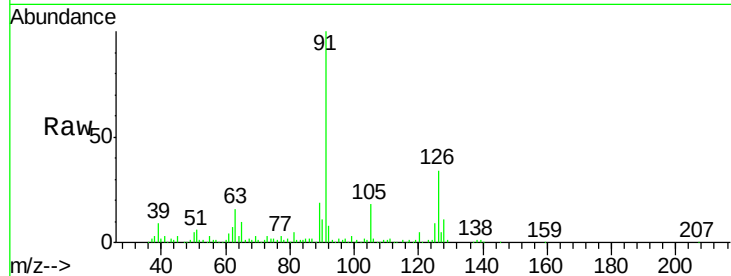
#79
 2-Chlorotoluene
 Concen: 55.054 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.0	51.0

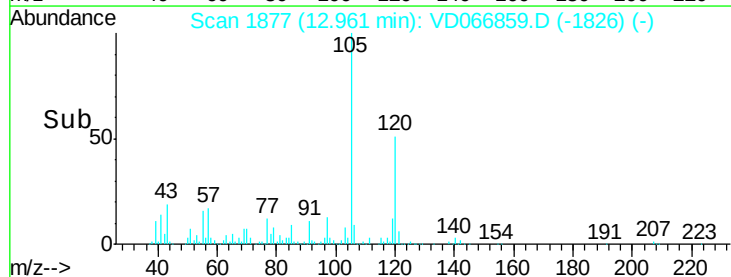
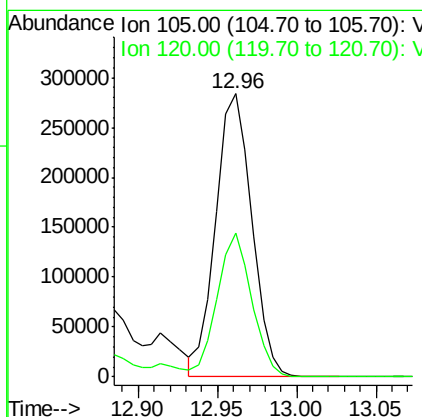
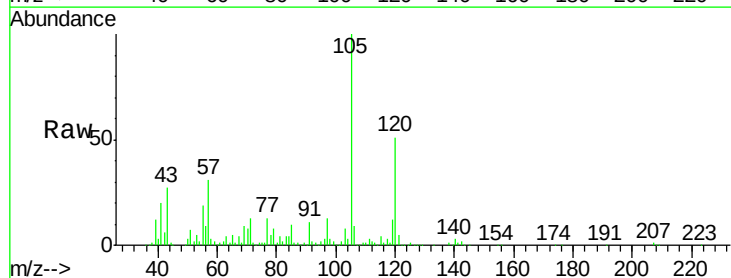
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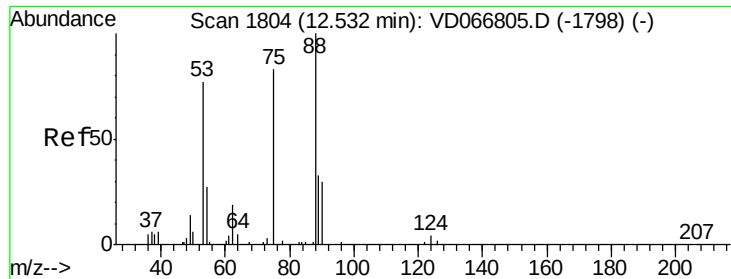
MMDadoda
 9/25/2020 4:00:14 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 59.401 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.4	73.4





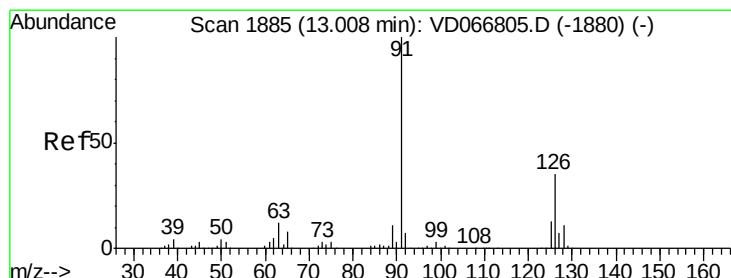
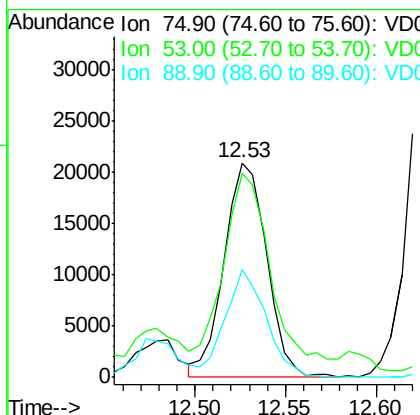
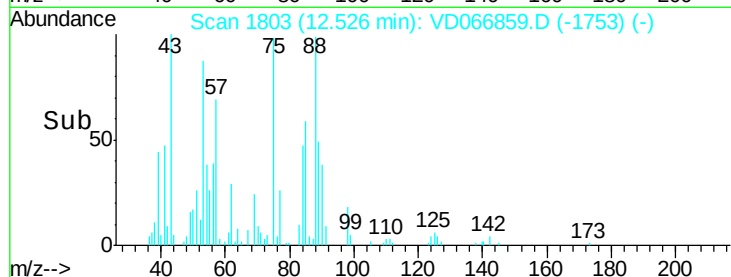
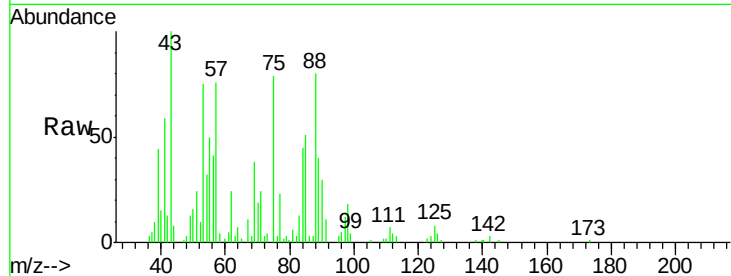
#81
trans-1,4-Dichloro-2-butene
Concen: 83.896 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	78.5	117.7
89	48.2	38.1	57.1

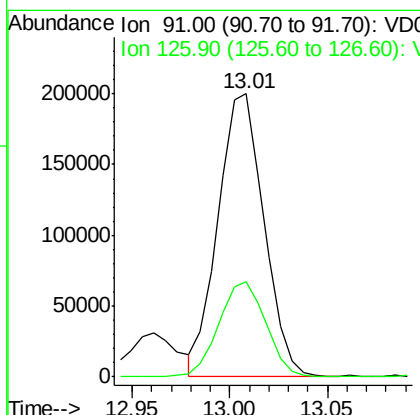
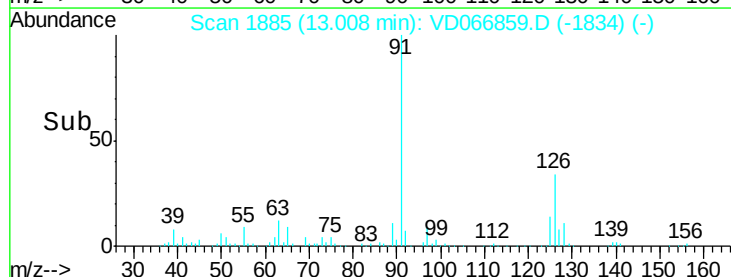
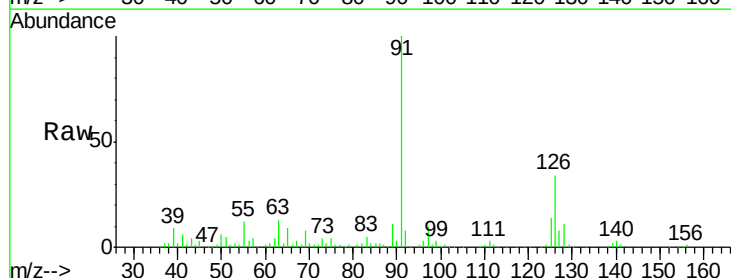
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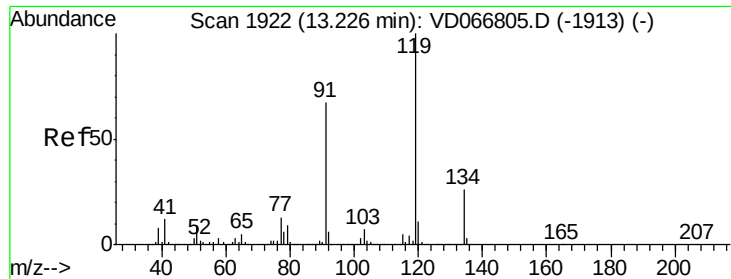
MMDadoda
9/25/2020 4:00:14 PM



#82
4-Chlorotoluene
Concen: 50.242 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.1	51.2





#83

tert-Butylbenzene

Concen: 44.018 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

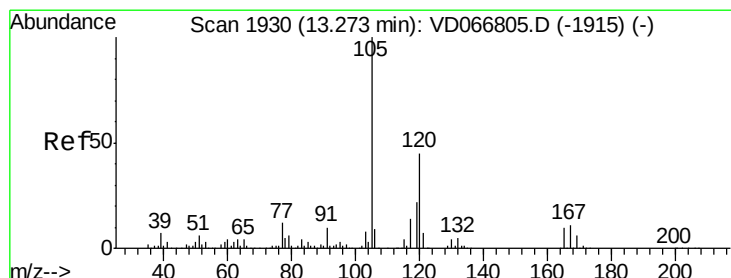
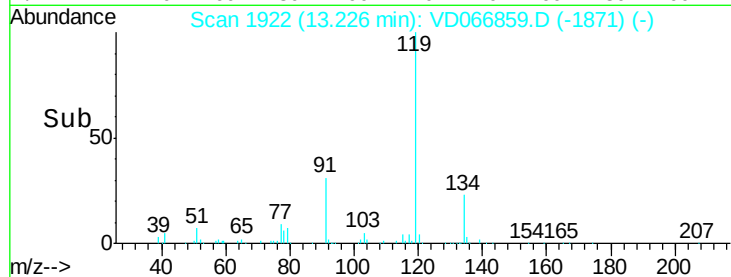
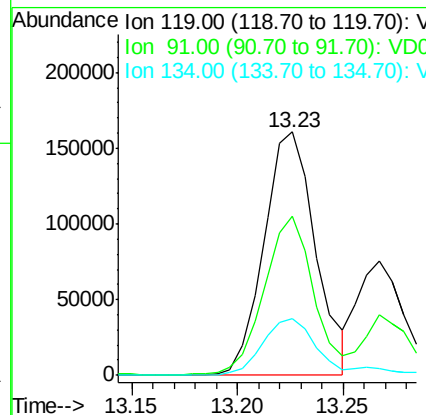
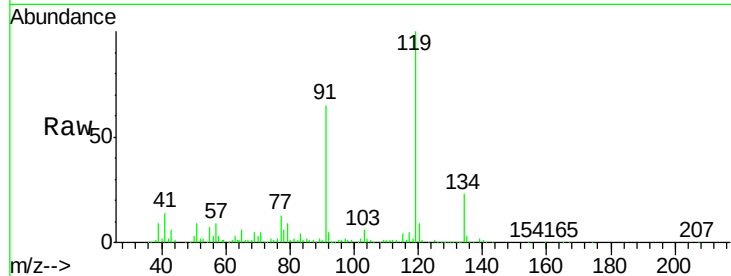
ClientSampleId :

B-2(4-5)MS

Tot Ion:	119	Resp:	273191
Ion Ratio	Lower	Upper	
119	100		
91	61.8	33.6	100.8
134	24.0	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 73.633 ug/l

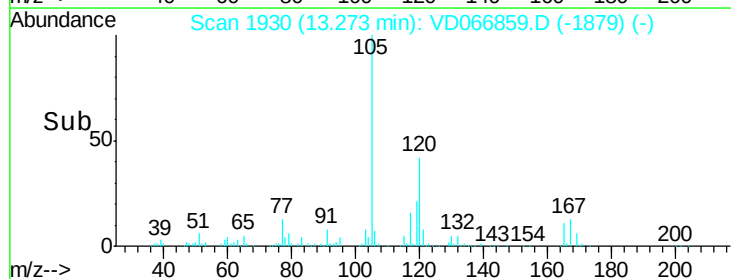
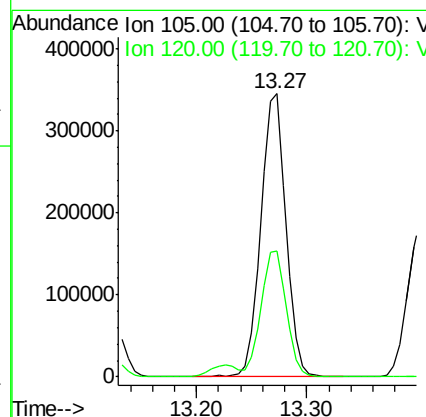
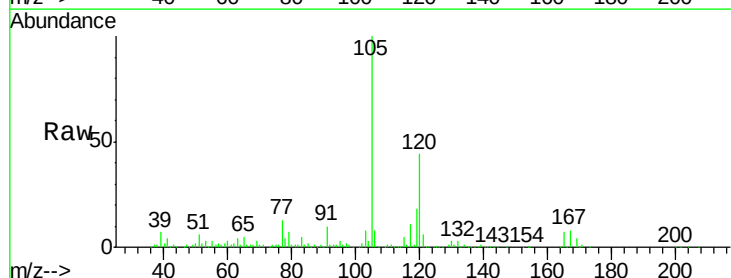
RT: 13.27 min Scan# 1930

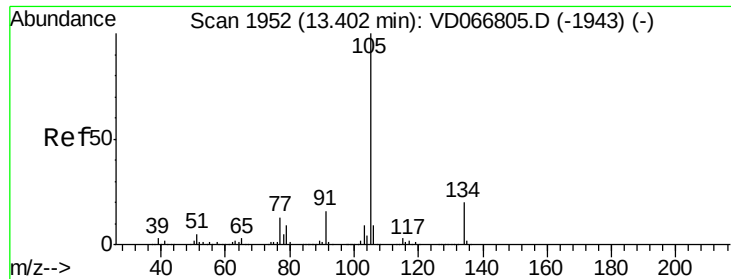
Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:	105	Resp:	551464
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 33.465 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampled :

B-2(4-5)MS

Tot Ion:105 Resp: 298666

Ion Ratio Lower Upper

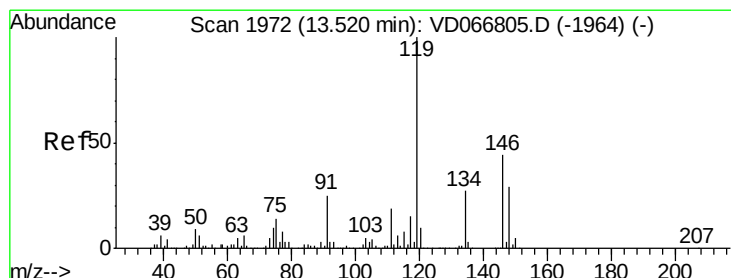
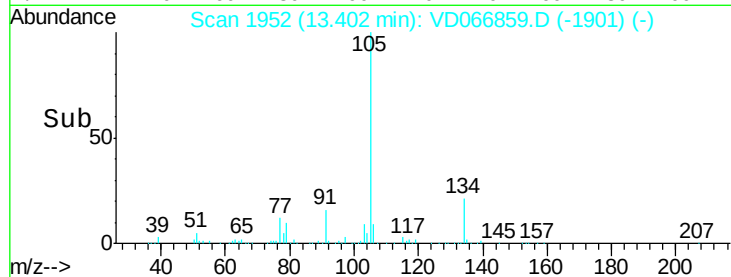
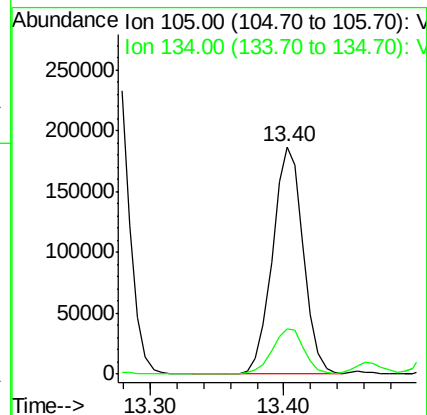
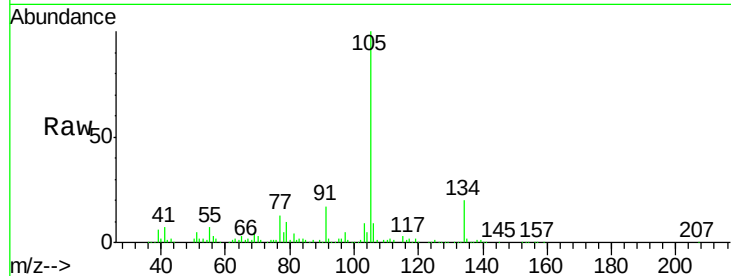
105 100

134 20.6 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 36.670 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

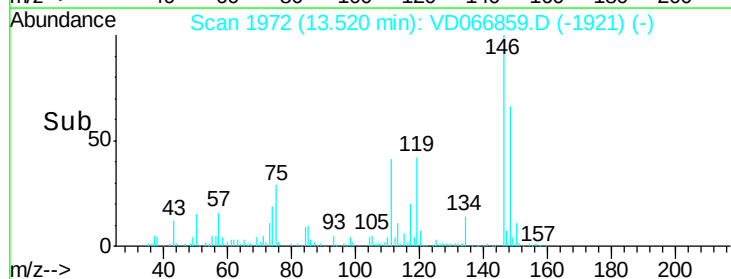
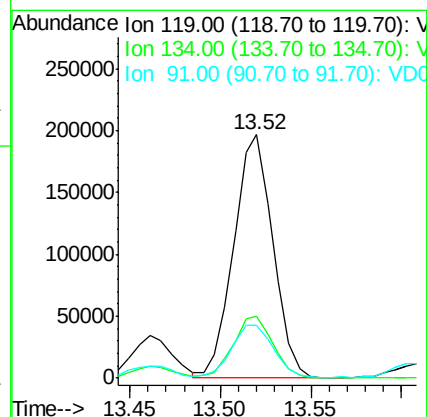
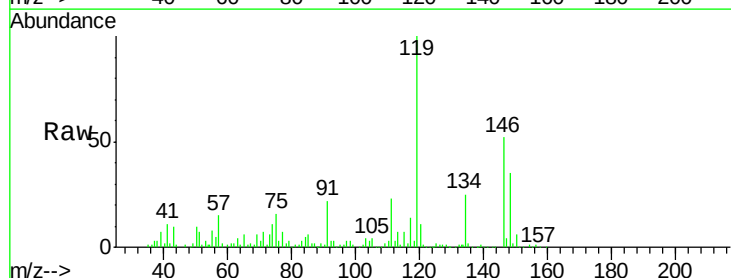
Tgt Ion:119 Resp: 295000

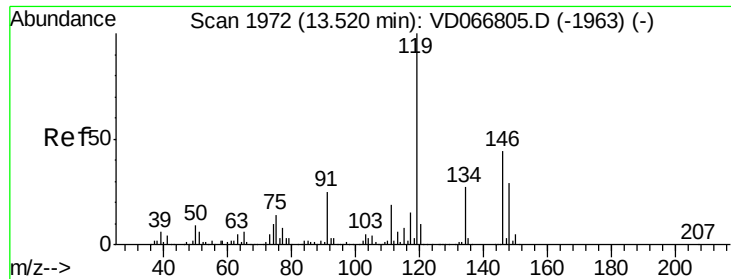
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 22.9 12.0 36.1





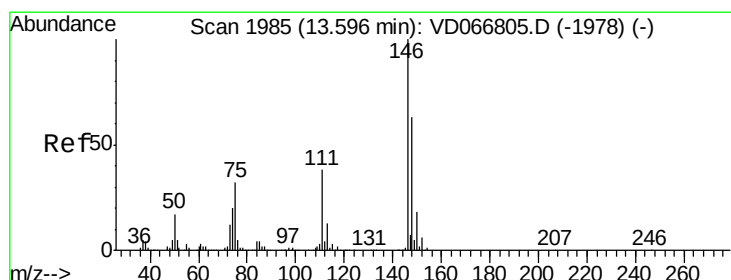
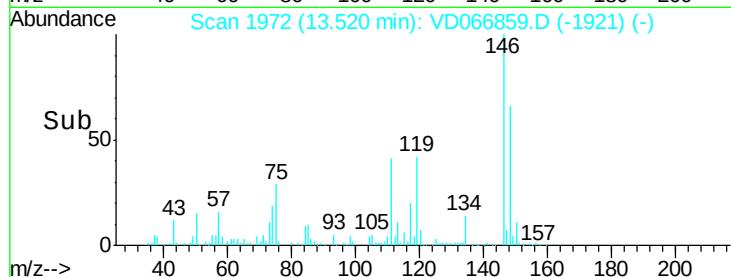
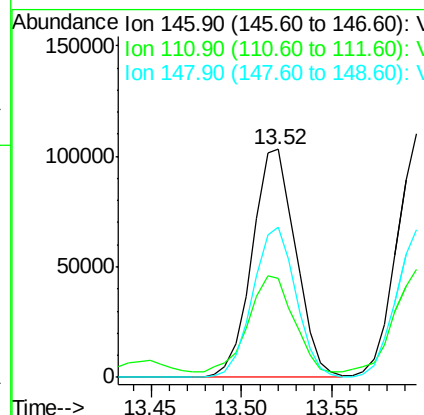
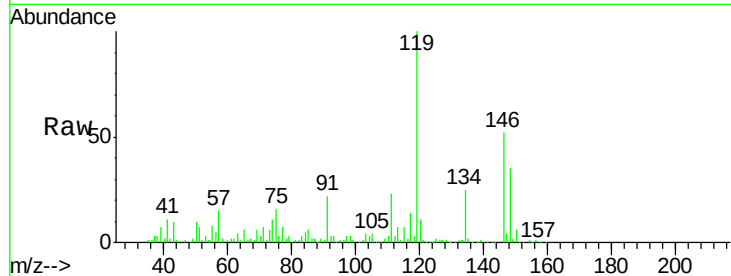
#87
 1,3-Dichlorobenzene
 Concen: 41.900 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	172331		
111	43.0	20.3	60.9	
148	65.1	31.9	95.5	

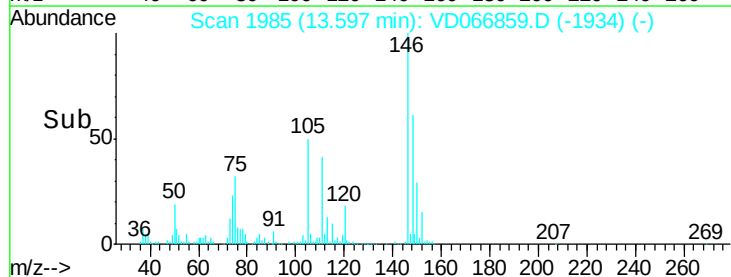
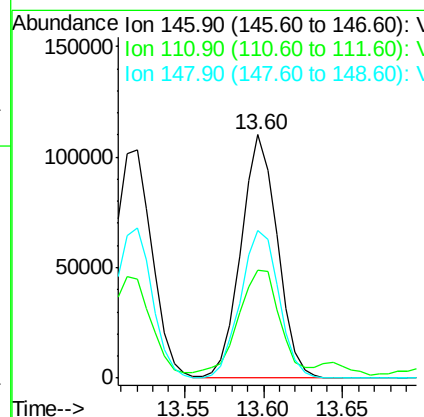
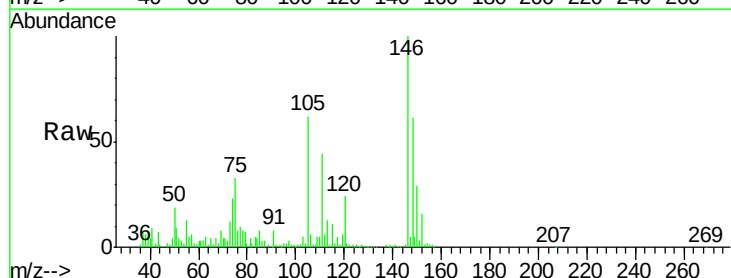
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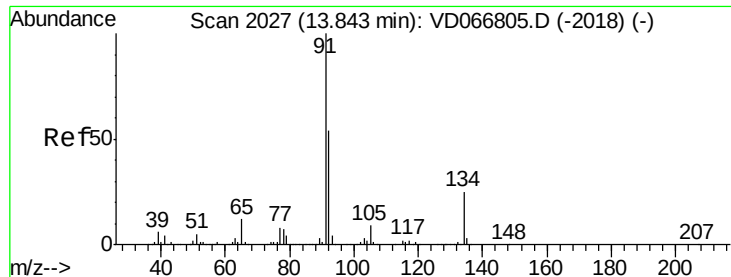
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#88
 1,4-Dichlorobenzene
 Concen: 42.923 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	175337		
111	46.0	20.2	60.5	
148	64.1	31.6	94.7	





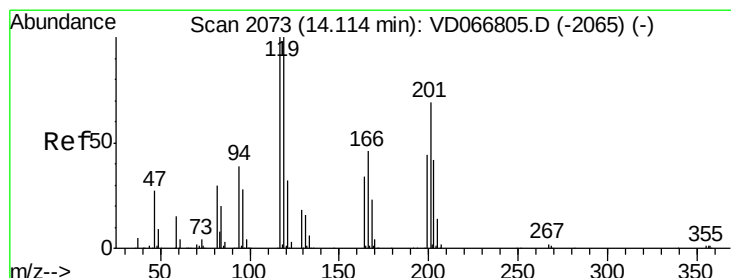
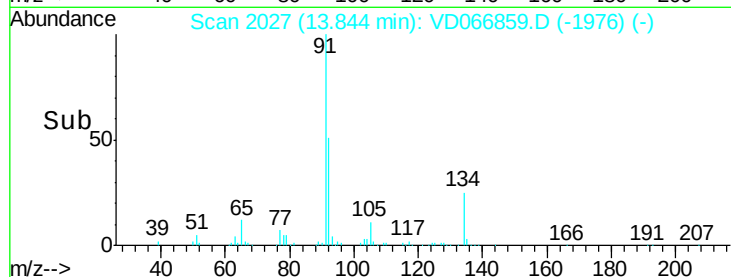
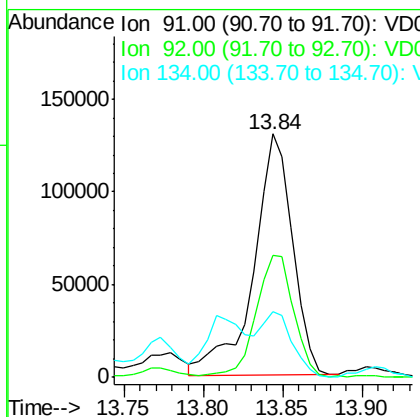
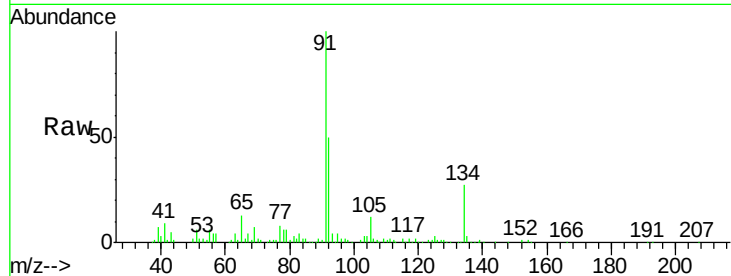
#89
n-Butylbenzene
Concen: 29.133 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	222760		
92	48.4	26.7	80.0	
134	21.0	13.1	39.1	

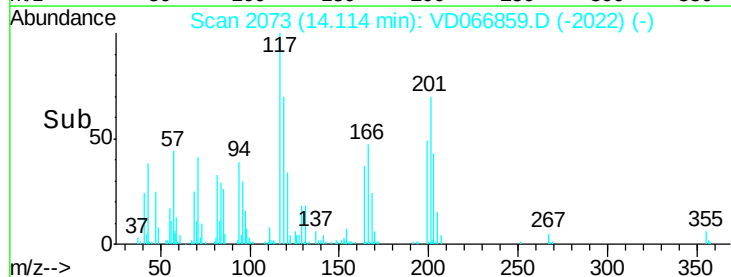
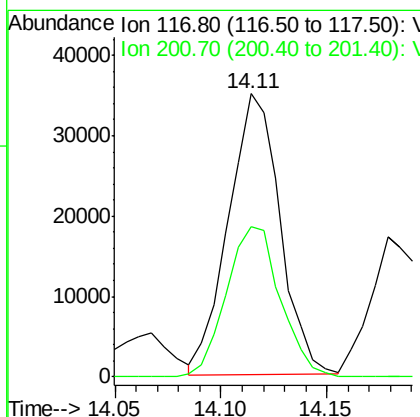
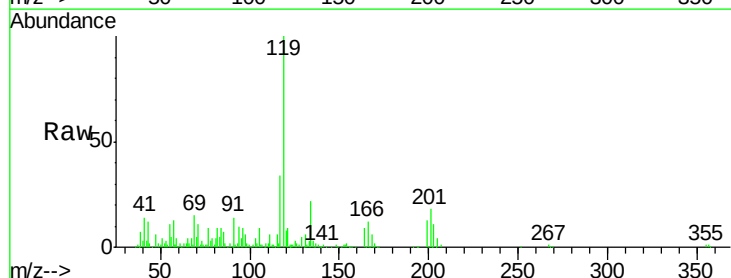
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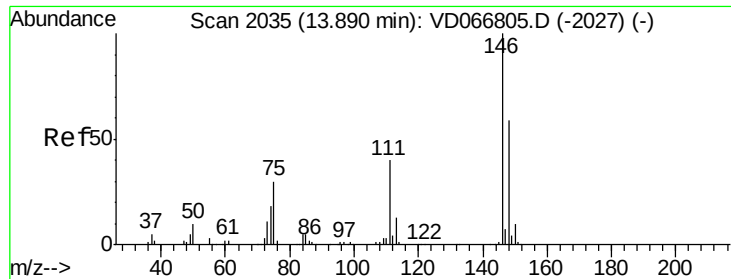
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#90
Hexachloroethane
Concen: 36.167 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59069		
201	56.1	33.7	101.0	





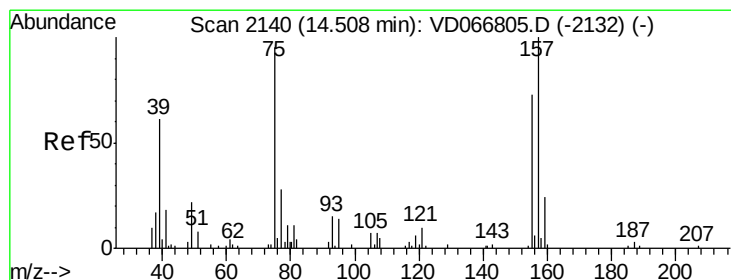
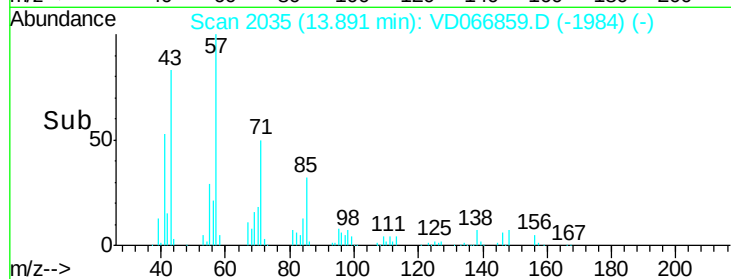
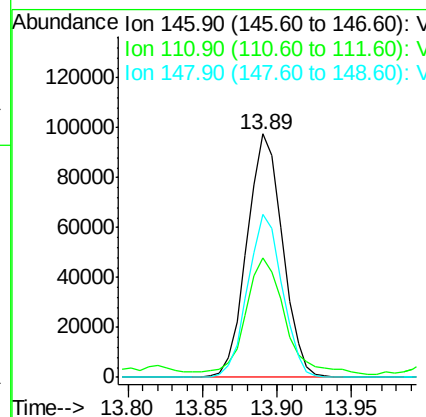
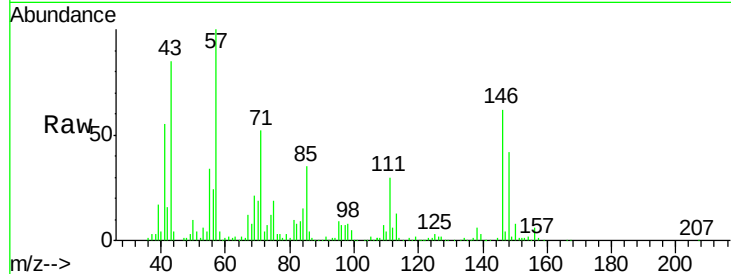
#91
 1,2-Dichlorobenzene
 Concen: 45.700 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.9	20.9	62.7
148	65.2	31.8	95.3

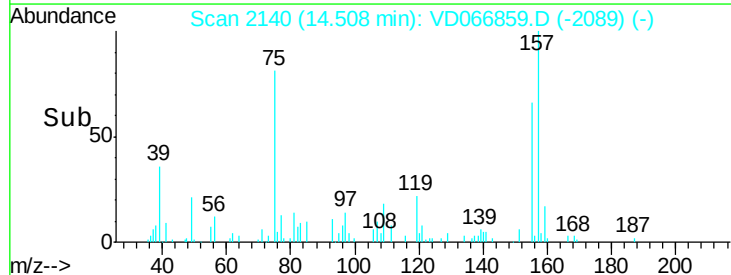
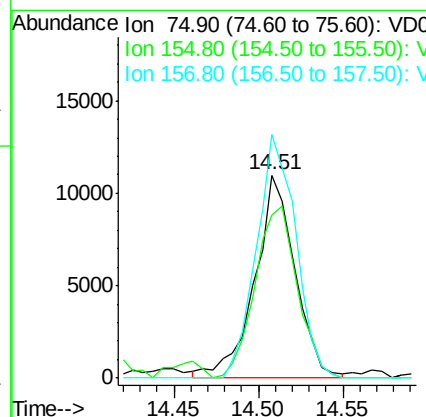
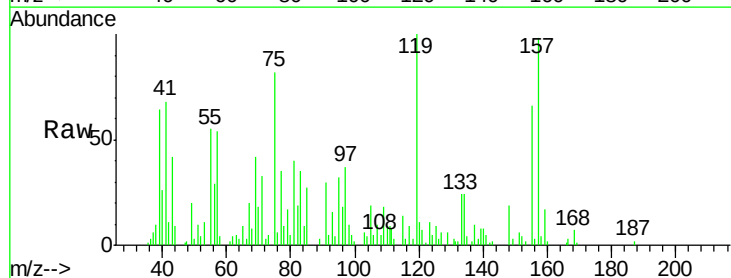
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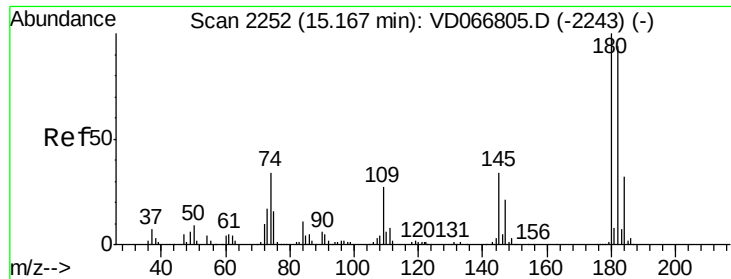
MMDadoda
 9/25/2020 4:00:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.798 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	40.4	121.2
157	116.9	51.3	153.9





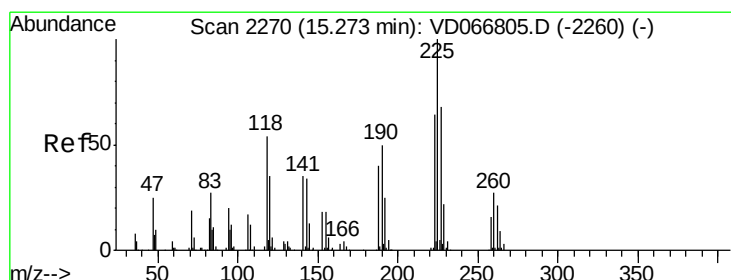
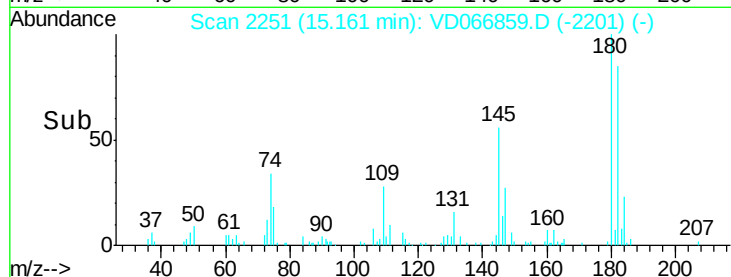
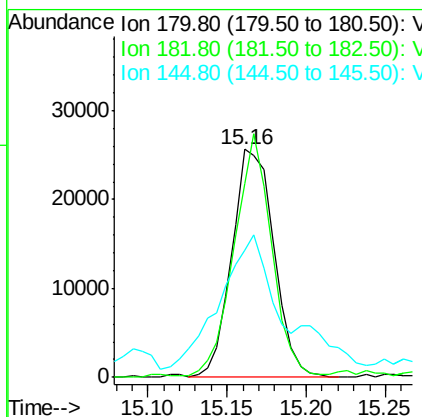
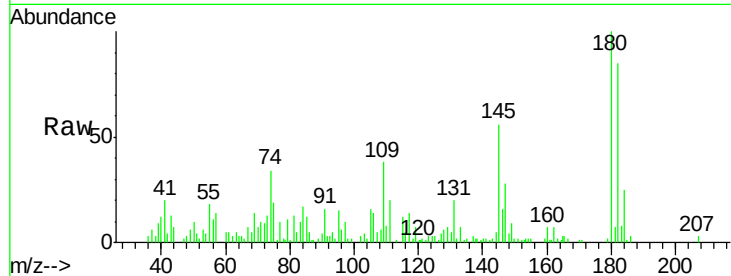
#93
 1,2,4-Trichlorobenzene
 Concen: 21.360 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.8	146.3
145	71.8	16.7	50.0#

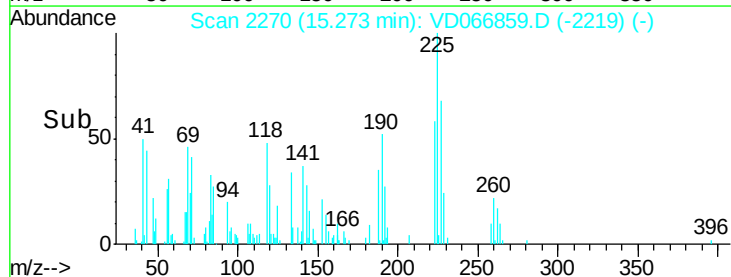
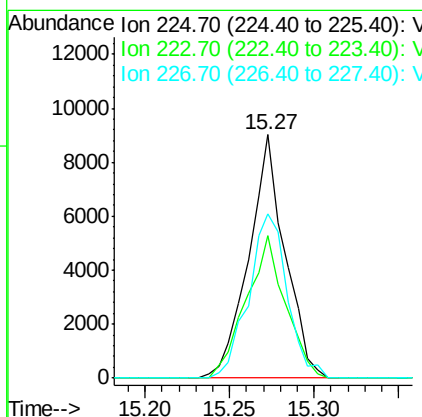
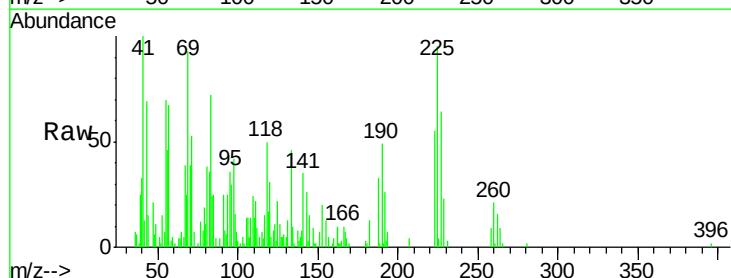
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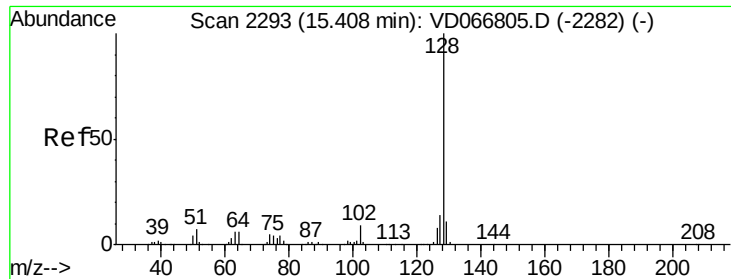
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 9/25/2020 4:00:14 PM



#94
 Hexachlorobutadiene
 Concen: 10.176 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	71.7	31.7	95.1





#95

Naphthalene

Concen: 66.523 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

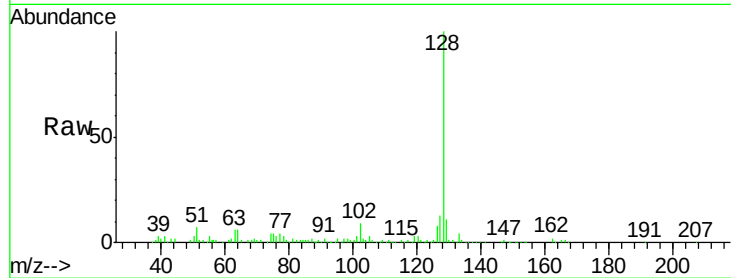
ClientSampleId :

B-2(4-5)MS

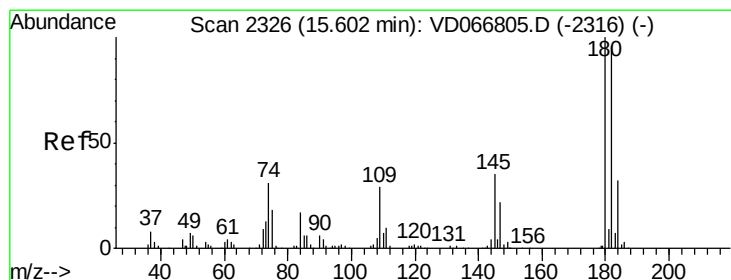
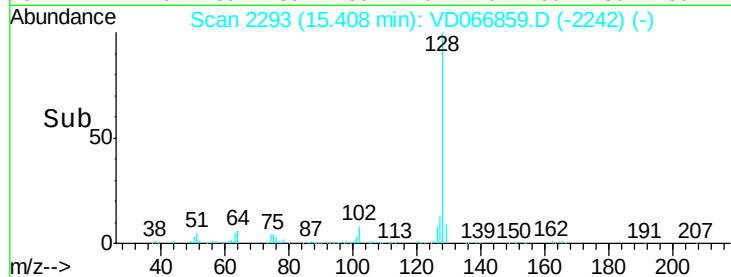
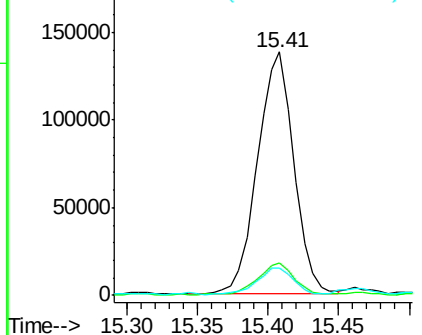
Tot Ion	Ratio	Resp	Lower	Upper
128	100	250171		
127	13.5	10.6	16.0	
129	10.7	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:14 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.647 ug/l

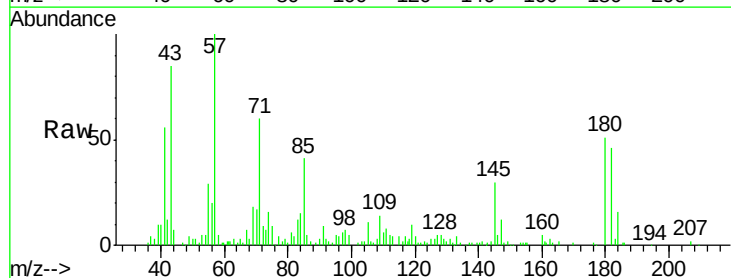
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41387		
182	95.3	46.8	140.3	
145	99.2	17.0	51.0#	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

