

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066806.D
 Acq On : 22 Sep 2020 12:38
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:01 PM

Quant Time: Sep 22 13:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	618591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	402377	90.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.70%	
35) Dibromofluoromethane	7.91	113	411553	98.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.92%	
50) Toluene-d8	10.34	98	1469750	100.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.14%	
62) 4-Bromofluorobenzene	12.63	95	511202	100.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	287724	82.232	ug/l	96
3) Chloromethane	2.21	50	344127	76.851	ug/l	98
4) Vinyl Chloride	2.35	62	342287	73.559	ug/l	99
5) Bromomethane	2.76	94	249369	75.746	ug/l	99
6) Chloroethane	2.92	64	224336	78.010	ug/l	94
7) Trichlorofluoromethane	3.27	101	717947	87.162	ug/l	98
8) Diethyl Ether	3.71	74	202098	97.040	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	414905	91.141	ug/l	98
10) Methyl Iodide	4.30	142	447342	105.143	ug/l	98
11) Tert butyl alcohol	5.22	59	122246	271.789	ug/l	98
12) 1,1-Dichloroethene	4.07	96	386305	91.491	ug/l	96
13) Acrolein	3.92	56	155847	492.962	ug/l	95
14) Allyl chloride	4.72	41	608914	91.101	ug/l	99
15) Acrylonitrile	5.42	53	449427	491.370	ug/l	99
16) Acetone	4.16	43	436130	470.454	ug/l	98
17) Carbon Disulfide	4.41	76	1183725	89.926	ug/l	98
18) Methyl Acetate	4.72	43	199760	89.948	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	950726	101.379	ug/l	97
20) Methylene Chloride	4.97	84	466062	75.244	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	459618	93.754	ug/l	93
22) Diisopropyl ether	6.36	45	1273847	93.619	ug/l	97
23) Vinyl Acetate	6.31	43	3600105	480.271	ug/l	99
24) 1,1-Dichloroethane	6.27	63	798989	91.748	ug/l	98
25) 2-Butanone	7.21	43	533606	452.190	ug/l	98
26) 2,2-Dichloropropane	7.21	77	707787	88.206	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	519152	96.824	ug/l	99
28) Bromochloromethane	7.55	49	364339	109.026	ug/l #	99
29) Tetrahydrofuran	7.56	42	352525	486.941	ug/l	98
30) Chloroform	7.71	83	845872	91.400	ug/l	98
31) Cyclohexane	7.98	56	678655	86.262	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	774906	91.525	ug/l	100
36) 1,1-Dichloropropene	8.11	75	646644	93.532	ug/l	99
37) Ethyl Acetate	7.29	43	253426	96.921	ug/l	97
38) Carbon Tetrachloride	8.10	117	690664	93.843	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	772617	97.726	ug/l	99
40) Benzene	8.35	78	1785285	94.948	ug/l	100
41) Methacrylonitrile	7.54	41	155201m	109.845	ug/l	
42) 1,2-Dichloroethane	8.42	62	532499	92.298	ug/l	99
43) Isopropyl Acetate	8.45	43	483042	97.927	ug/l	98
44) Trichloroethene	9.11	130	511211	100.862	ug/l	100
45) 1,2-Dichloropropane	9.38	63	453719	97.197	ug/l	97
46) Dibromomethane	9.47	93	255113	99.233	ug/l	100
47) Bromodichloromethane	9.66	83	661269	95.138	ug/l #	98
48) Methyl methacrylate	9.46	41	256282	103.819	ug/l	91
49) 1,4-Dioxane	9.46	88	59180	2145.108	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	1248759	492.112	ug/l	100
52) Toluene	10.40	92	1196665	99.310	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	608772	98.385	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	722997	98.359	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	339849	99.779	ug/l	96
56) Ethyl methacrylate	10.66	69	420226	110.149	ug/l	99
57) 1,3-Dichloropropane	10.94	76	576588	97.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	899271	529.454	ug/l	98
59) 2-Hexanone	10.98	43	863760	506.533	ug/l	99
60) Dibromochloromethane	11.14	129	455996	103.369	ug/l	99
61) 1,2-Dibromoethane	11.24	107	332867	102.441	ug/l	99
64) Tetrachloroethene	10.87	164	414851	97.535	ug/l	97
65) Chlorobenzene	11.67	112	1248927	97.746	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	475548	100.018	ug/l	99
67) Ethyl Benzene	11.74	91	2284963	99.016	ug/l	97
68) m/p-Xylenes	11.85	106	1732621	198.117	ug/l	100
69) o-Xylene	12.18	106	797158	102.836	ug/l	100
70) Styrene	12.20	104	1387036	101.914	ug/l	99
71) Bromoform	12.36	173	247746	103.496	ug/l #	99
73) Isopropylbenzene	12.48	105	2167991	97.911	ug/l	99
74) N-amyl acetate	12.29	43	453498	97.498	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	363796	95.627	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	235814m	91.998	ug/l	
77) Bromobenzene	12.76	156	491523	95.399	ug/l	99
78) n-propylbenzene	12.82	91	2562412	95.159	ug/l	100
79) 2-Chlorotoluene	12.91	91	1461941	96.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1834603	98.130	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	107742	92.431	ug/l	98
82) 4-Chlorotoluene	13.01	91	1506329	93.329	ug/l	100
83) tert-Butylbenzene	13.23	119	1537691	99.560	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1827269	97.750	ug/l	99
85) sec-Butylbenzene	13.40	105	2140175	96.858	ug/l	100
86) p-Isopropyltoluene	13.52	119	1985620	98.911	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	933972	94.886	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	921613	93.940	ug/l	99
89) n-Butylbenzene	13.84	91	1877710	98.741	ug/l	100
90) Hexachloroethane	14.11	117	386553	94.167	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	829501	98.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60354	99.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	558569	109.343	ug/l	96
94) Hexachlorobutadiene	15.27	225	310746	100.816	ug/l	99
95) Naphthalene	15.40	128	1039819	115.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	473150	105.176	ug/l	98

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

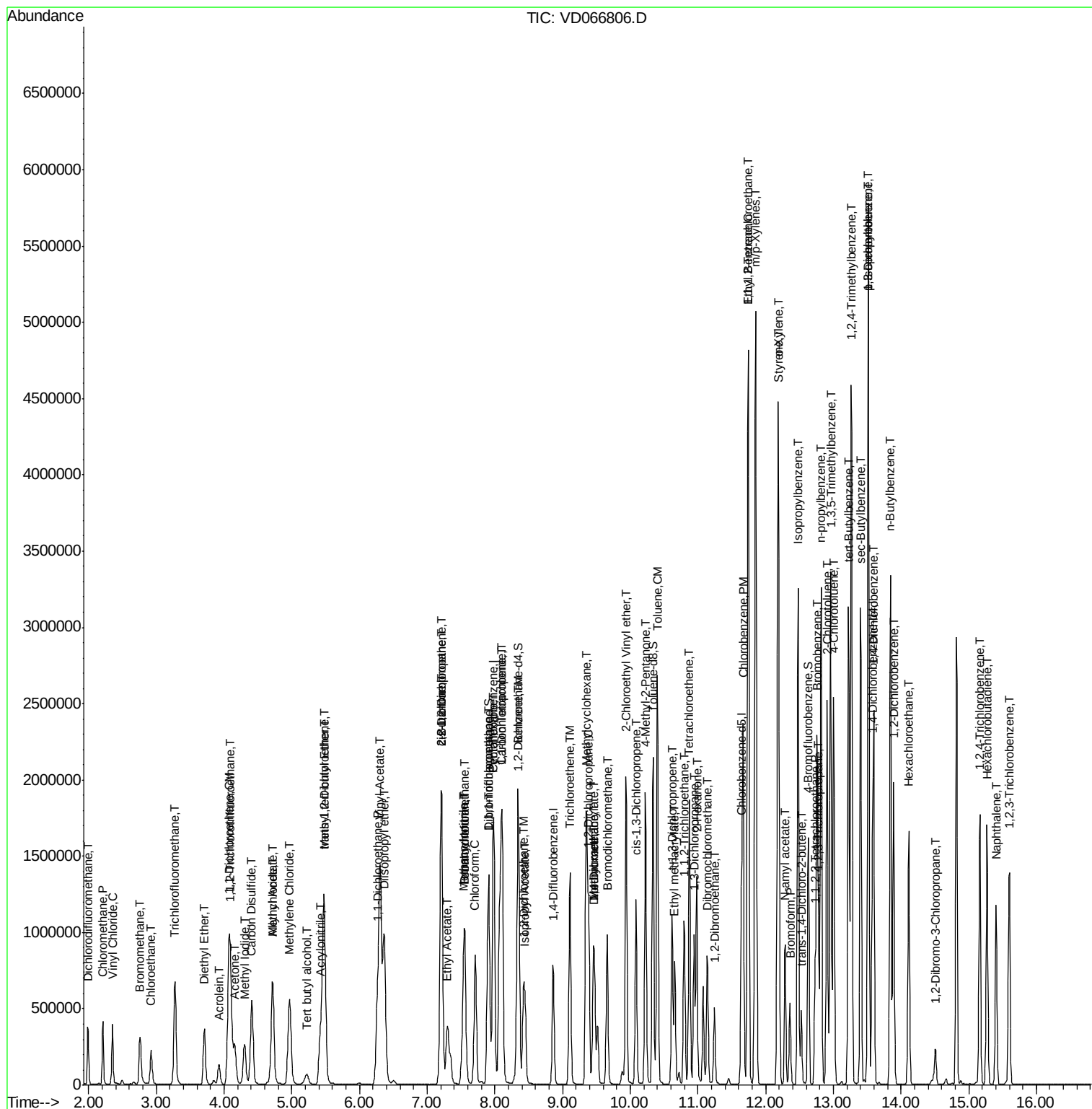
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
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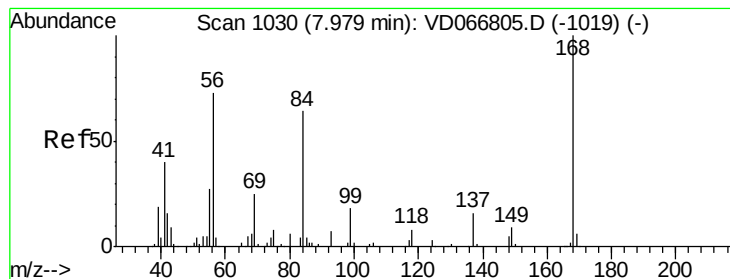
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 423551

Ion Ratio Lower Upper

168 100

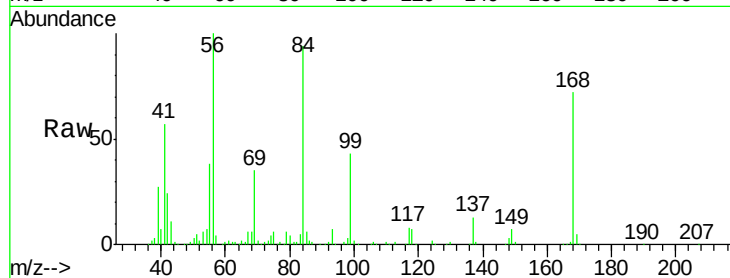
99 59.8 46.6 69.8

Manual Integrations

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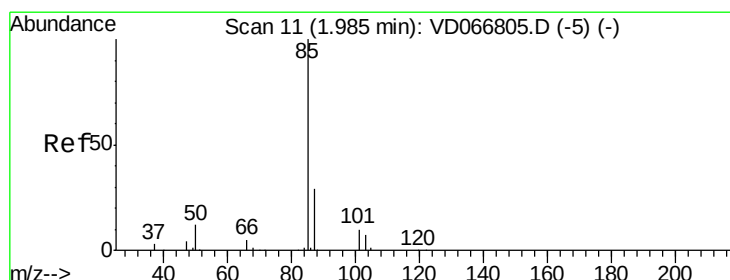
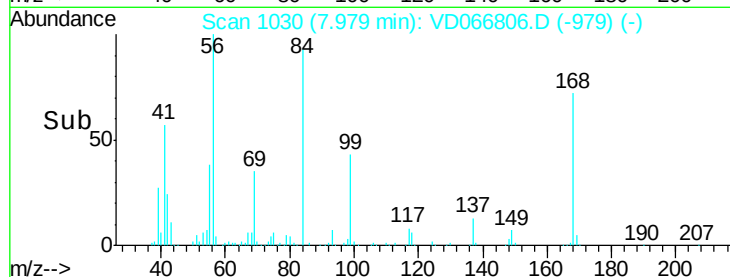
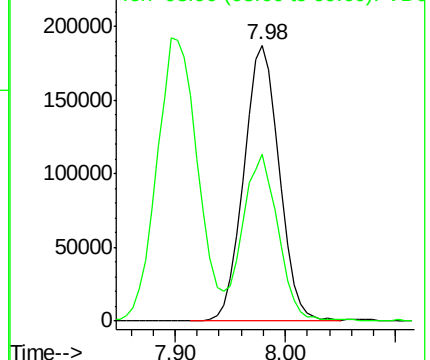
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 82.232 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066806.D

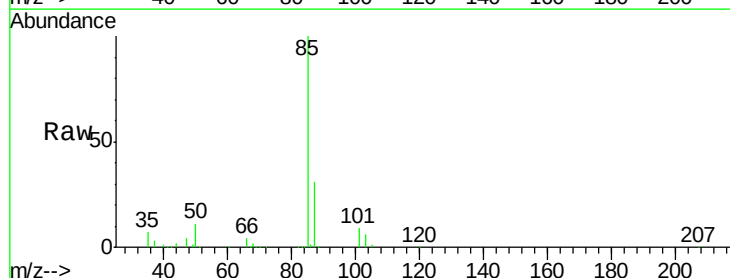
Acq: 22 Sep 2020 12:38

Tgt Ion: 85 Resp: 287724

Ion Ratio Lower Upper

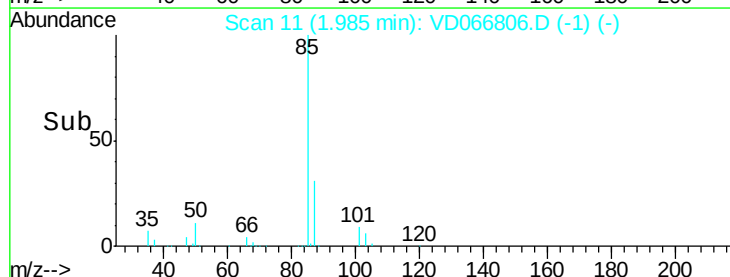
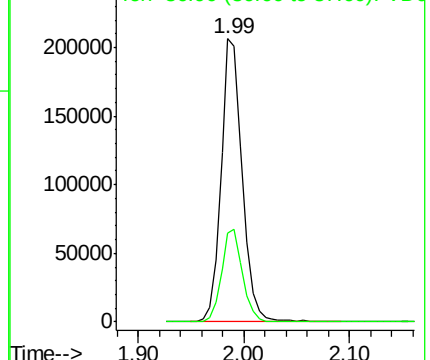
85 100

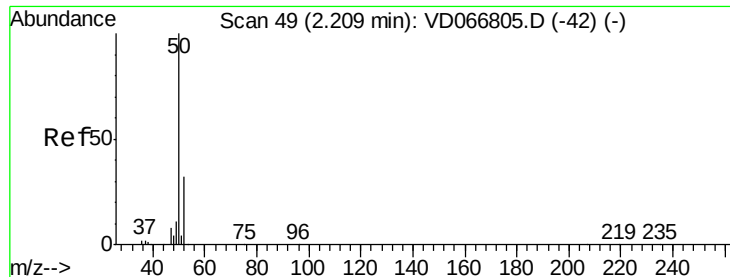
87 31.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 76.851 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 344127

Ion Ratio Lower Upper

50 100

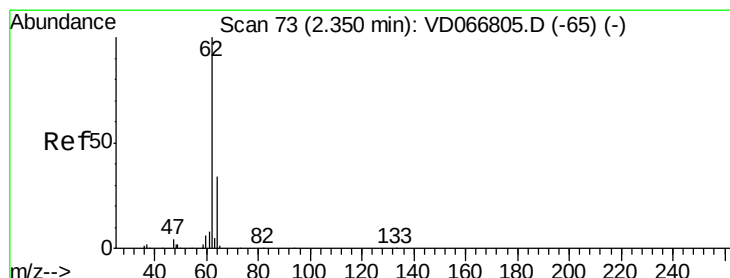
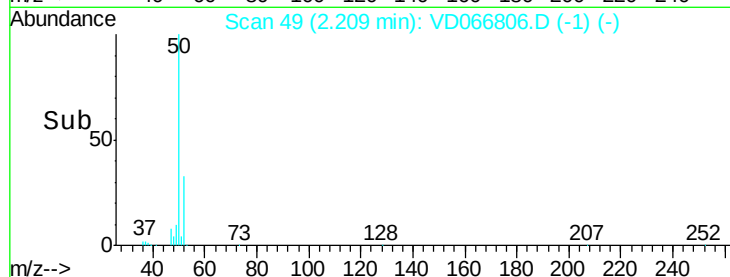
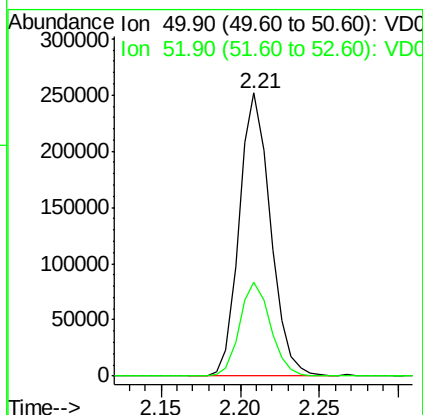
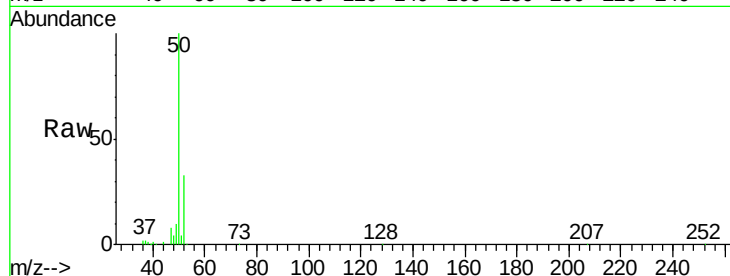
52 33.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 73.559 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066806.D

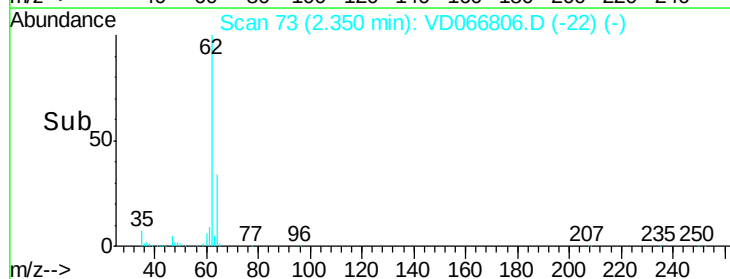
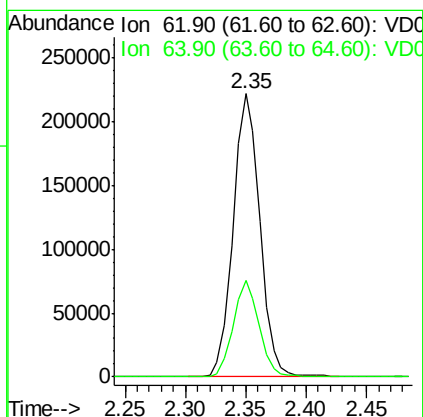
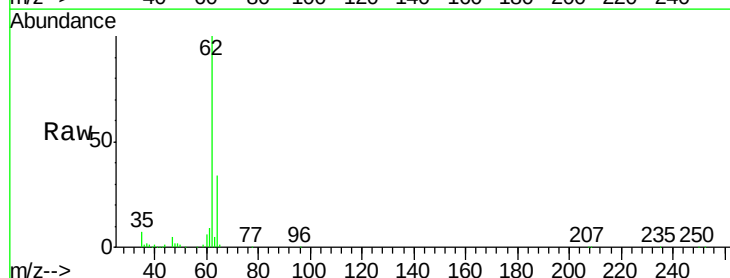
Acq: 22 Sep 2020 12:38

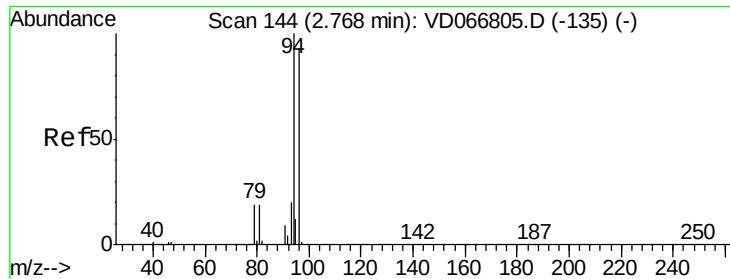
Tgt Ion: 62 Resp: 342287

Ion Ratio Lower Upper

62 100

64 34.2 27.0 40.4





#5

Bromomethane

Concen: 75.746 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 249369

Ion Ratio Lower Upper

94 100

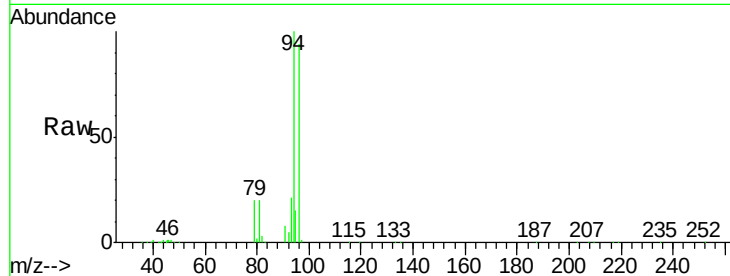
96 93.7 74.3 111.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

100000

80000

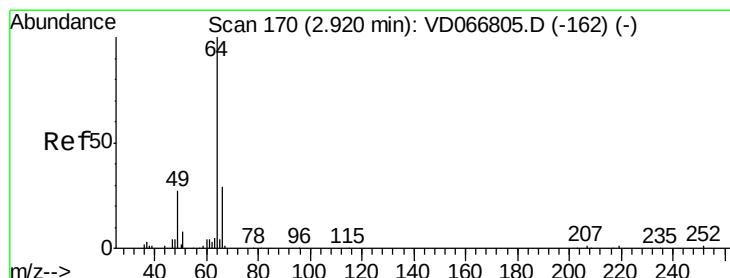
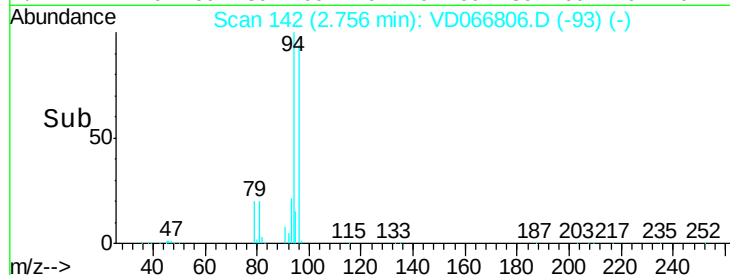
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 78.010 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066806.D

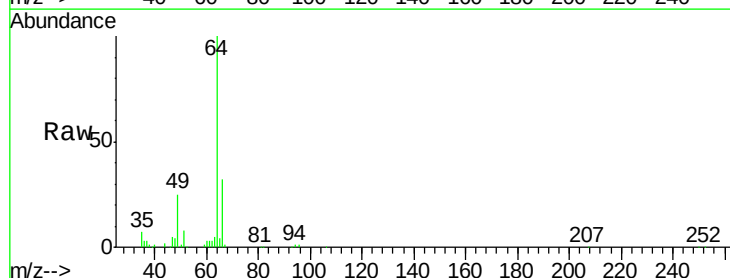
Acq: 22 Sep 2020 12:38

Tgt Ion: 64 Resp: 224336

Ion Ratio Lower Upper

64 100

66 32.0 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

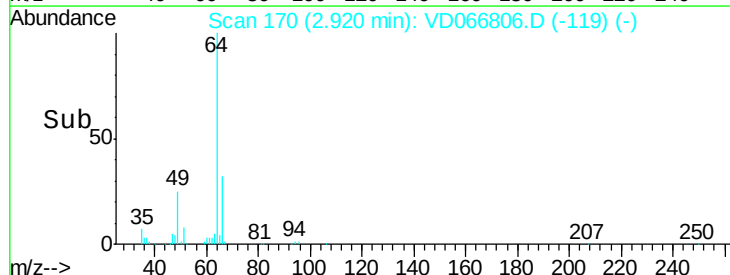
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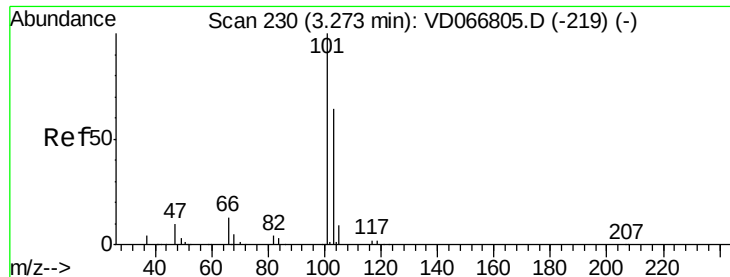
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Time-->





#7

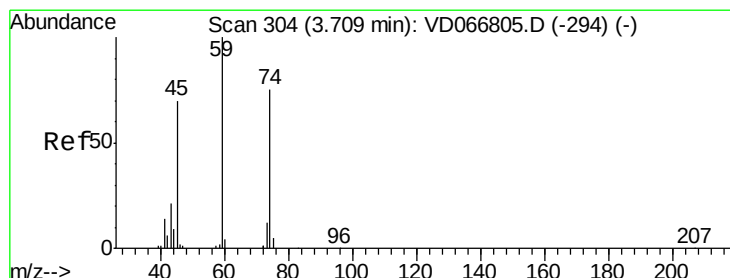
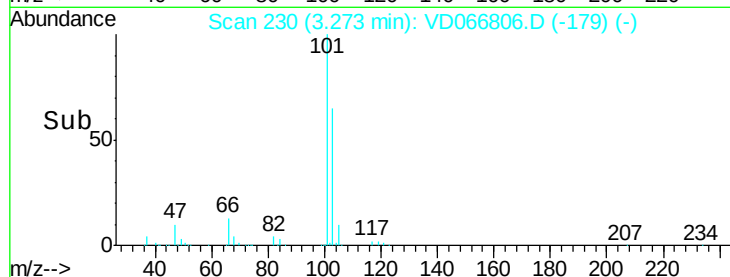
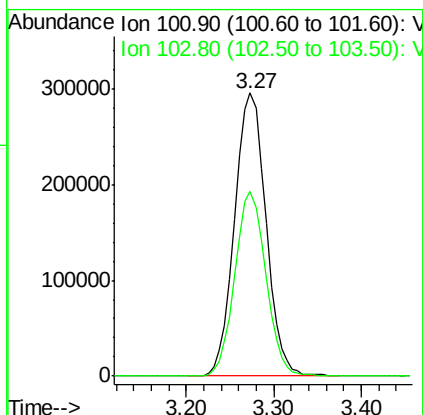
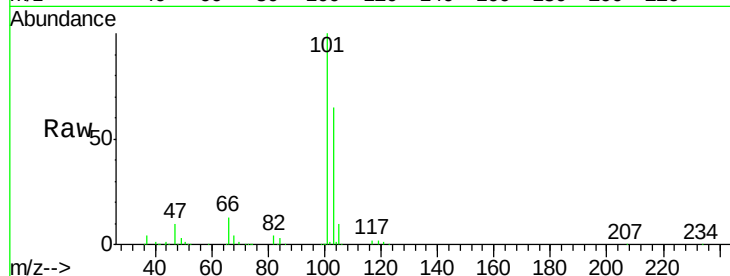
Trichlorofluoromethane
 Concen: 87.162 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

Manual Integrations
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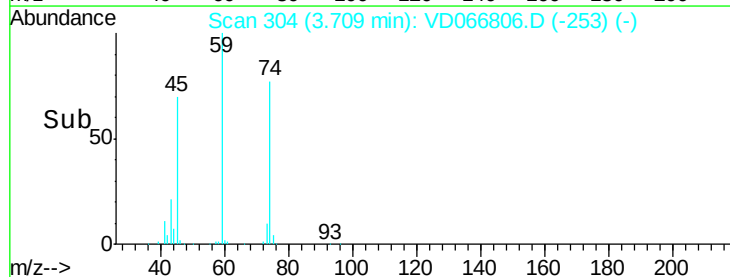
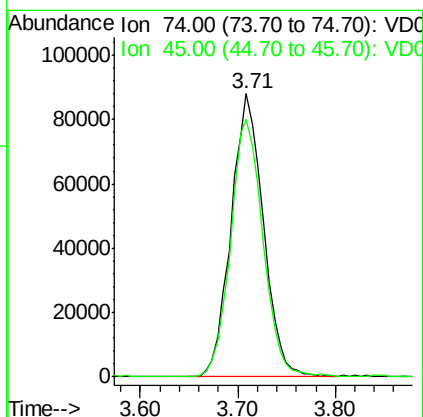
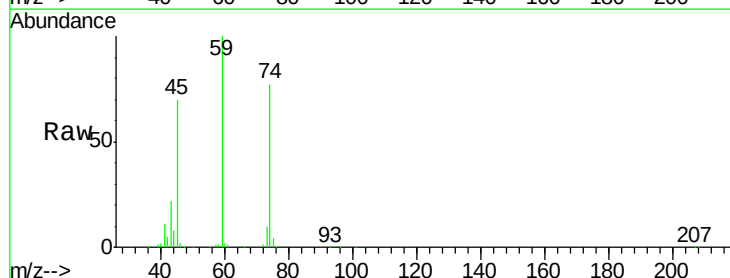
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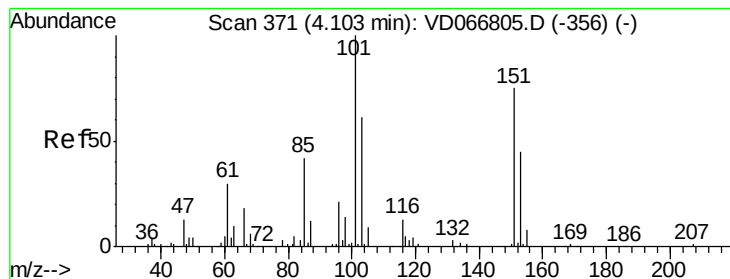


#8

Diethyl Ether
 Concen: 97.040 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066806.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.141 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066806.D

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MSVOA_D

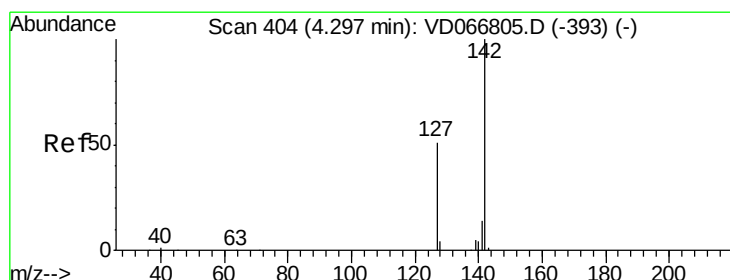
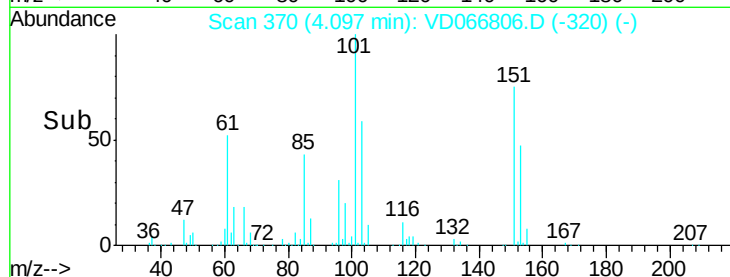
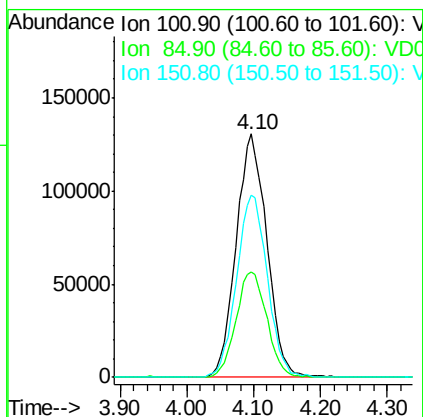
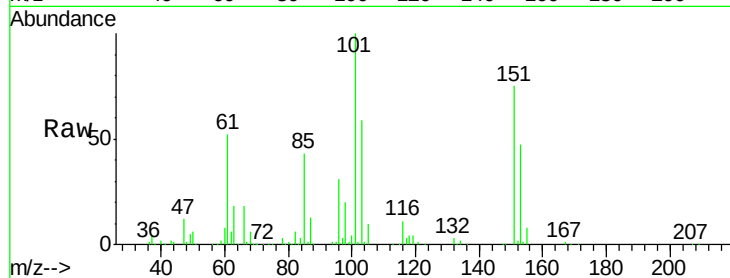
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	414905
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.4	53.2
151	75.1	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 105.143 ug/l

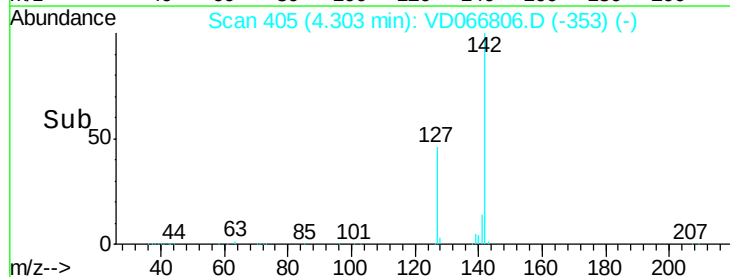
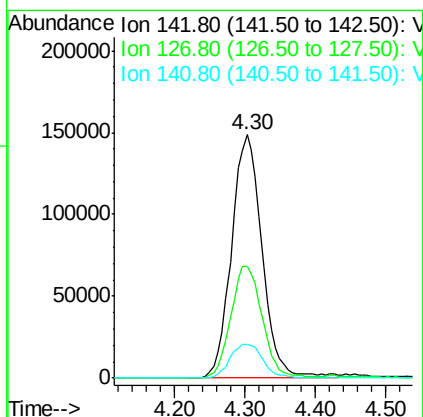
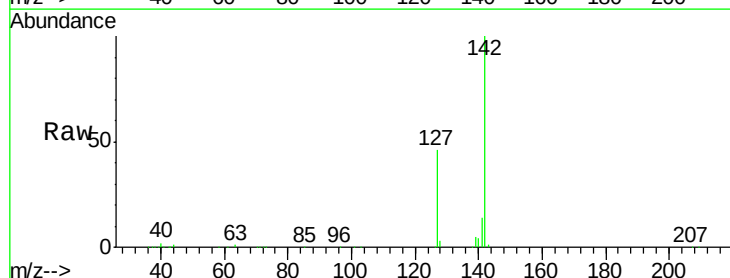
RT: 4.30 min Scan# 405

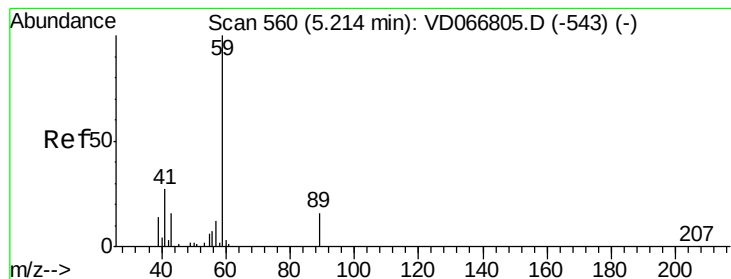
Delta R.T. 0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion:	142	Resp:	447342
Ion Ratio	Lower	Upper	
142	100		
127	47.4	39.4	59.0
141	14.9	12.1	18.1





#11

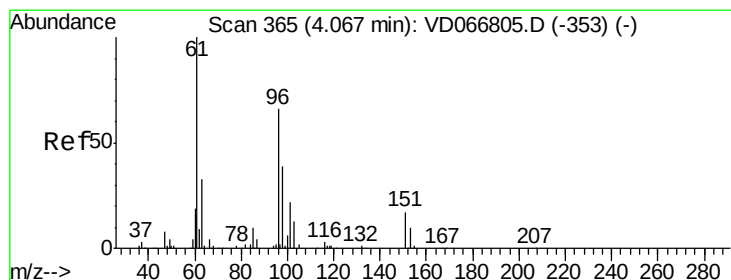
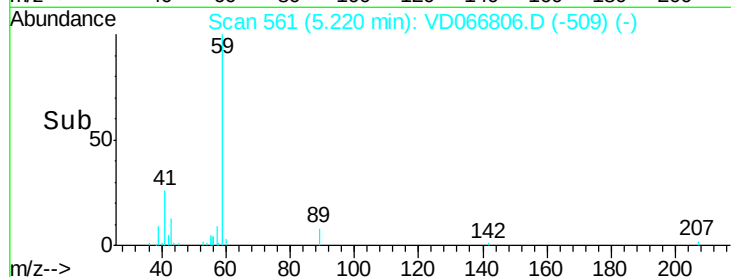
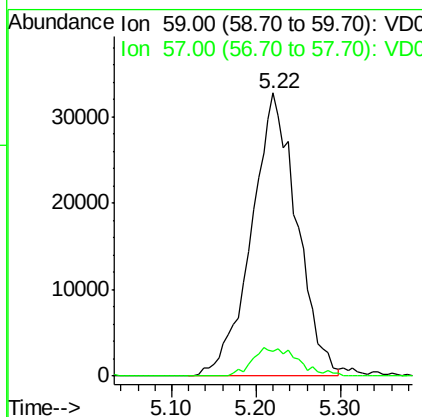
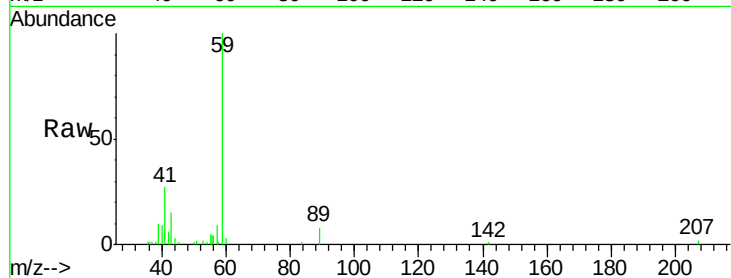
Tert butyl alcohol
Concen: 271.789 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	122246		
57	57	9.7		8.3	12.5

Manual Integrations
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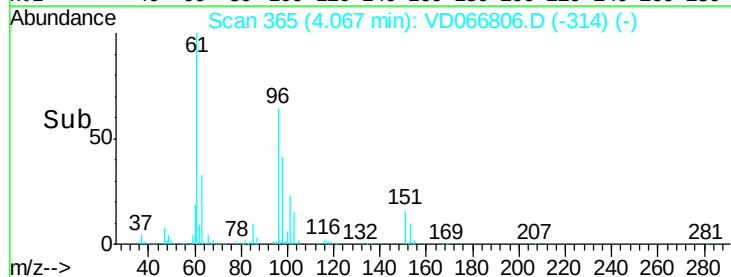
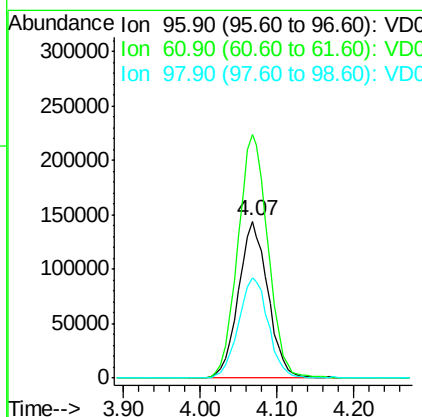
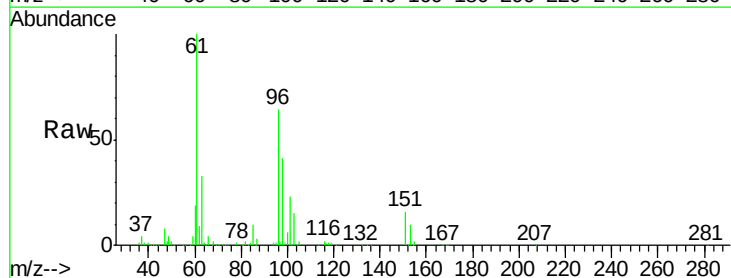
MMDadoda
9/23/2020 1:05:01 PM

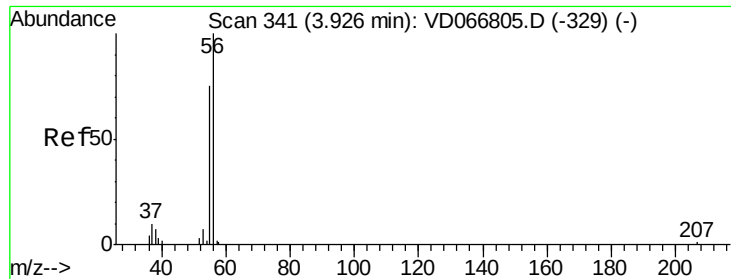


#12

1,1-Dichloroethene
Concen: 91.491 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	386305		
61	61	155.3		120.8	181.2
98	98	63.8		47.7	71.5





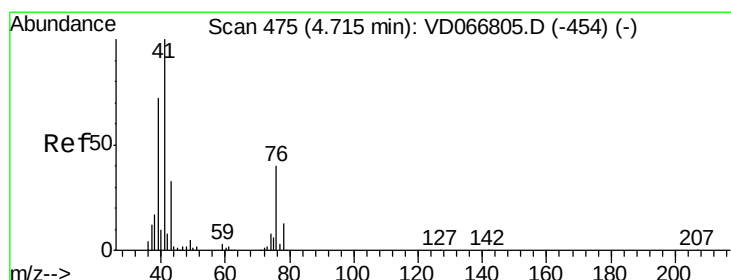
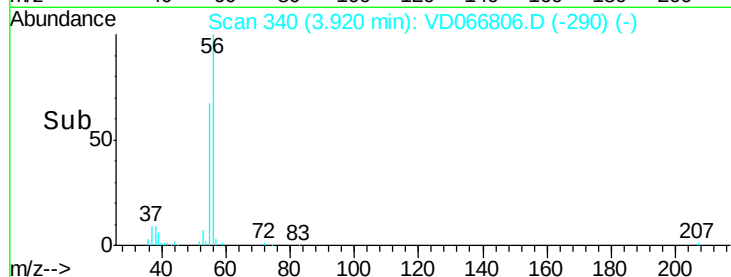
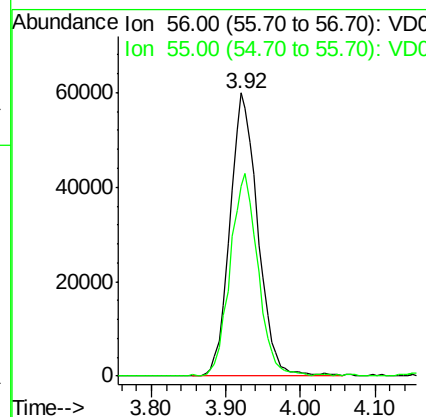
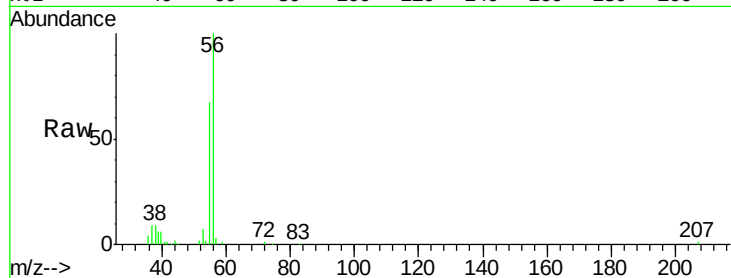
#13
Acrolein
Concen: 492.962 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	60.3	90.5

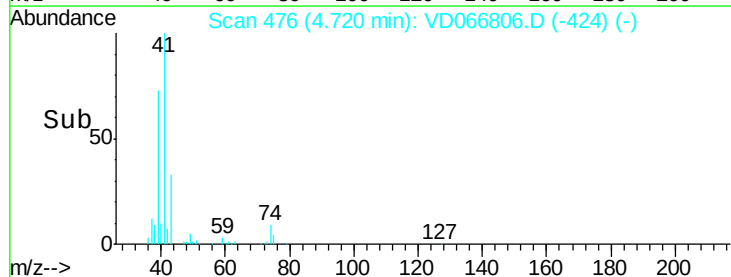
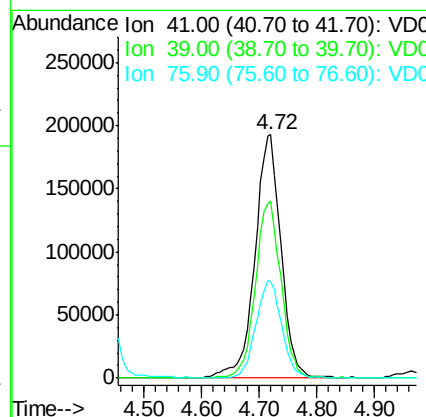
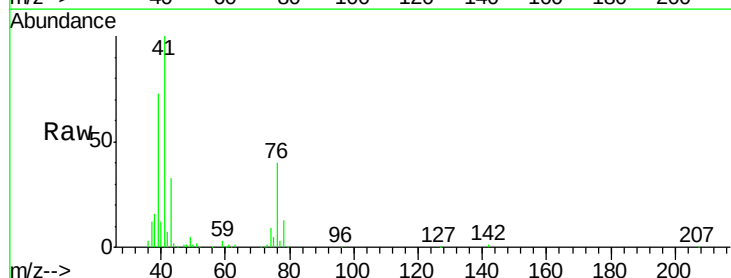
Manual Integrations
APPROVED

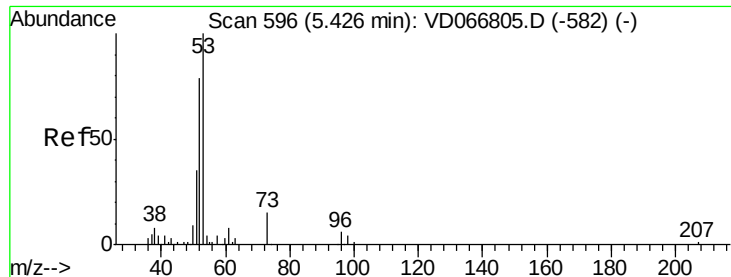
MMDadoda
9/23/2020 1:05:01 PM



#14
Allyl chloride
Concen: 91.101 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.5	57.8	86.8
76	38.9	30.9	46.3





#15

Acrylonitrile

Concen: 491.370 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

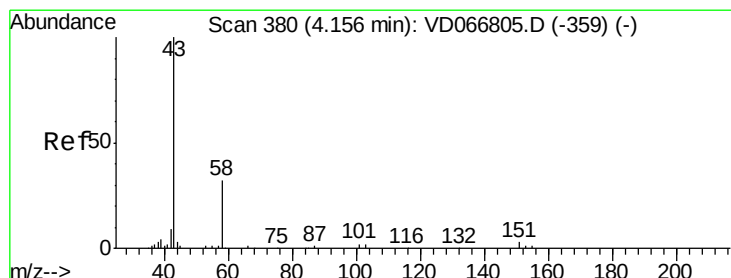
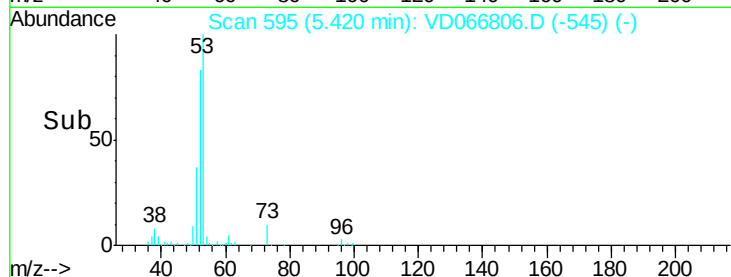
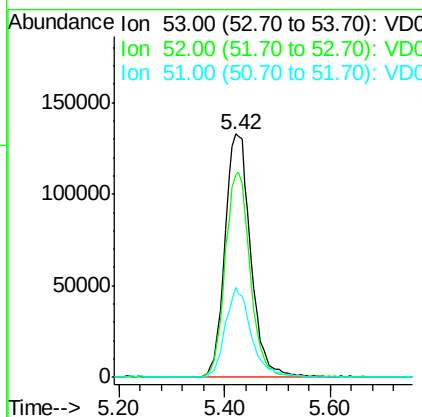
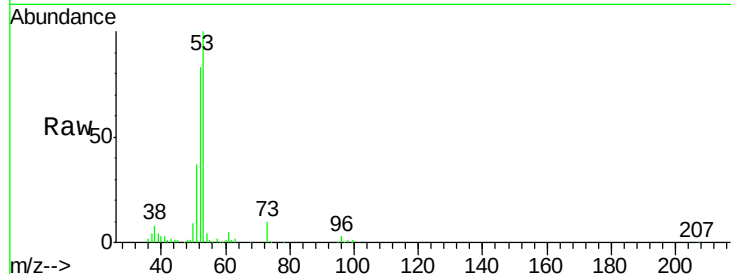
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	449427
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.2	97.8
51	37.2	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 470.454 ug/l

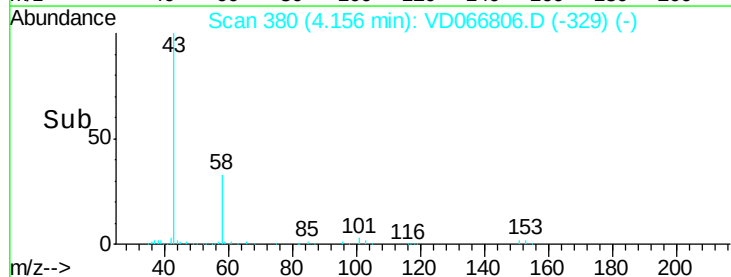
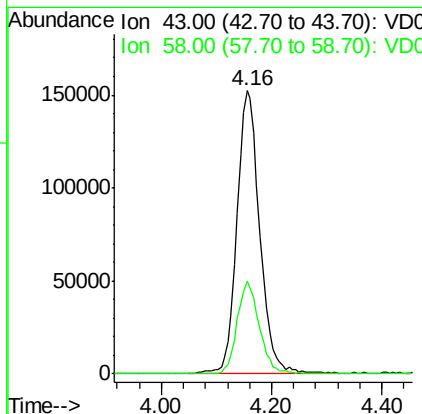
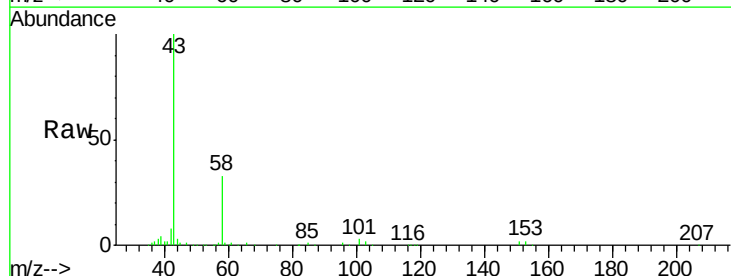
RT: 4.16 min Scan# 380

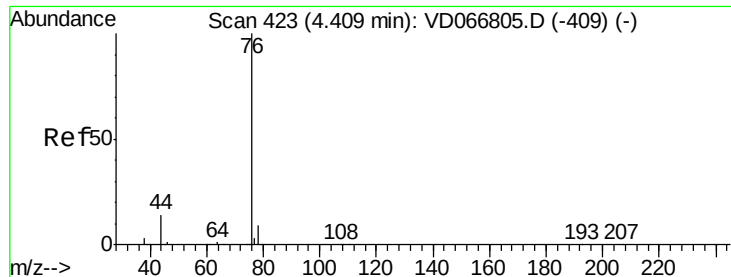
Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion:	43	Resp:	436130
Ion Ratio	Lower	Upper	
43	100		
58	32.9	25.6	38.4





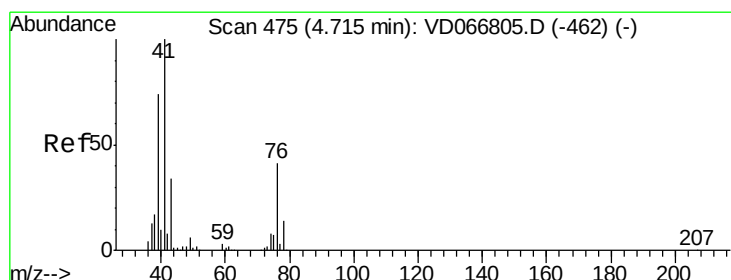
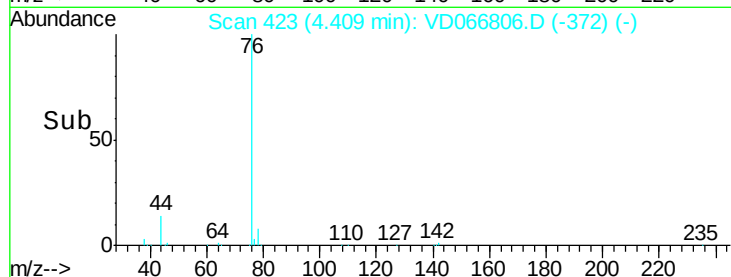
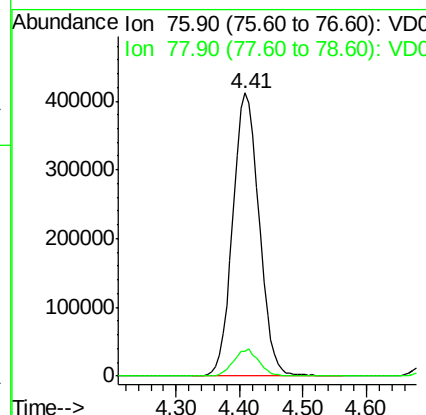
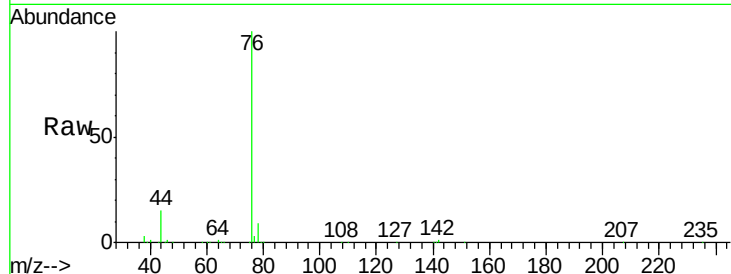
#17
Carbon Disulfide
Concen: 89.926 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1183725
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4

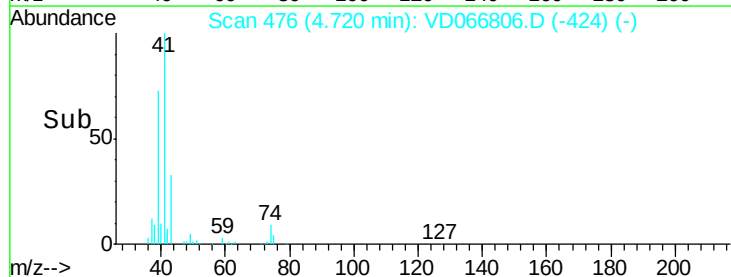
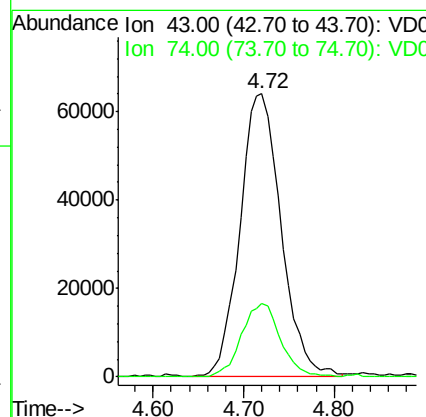
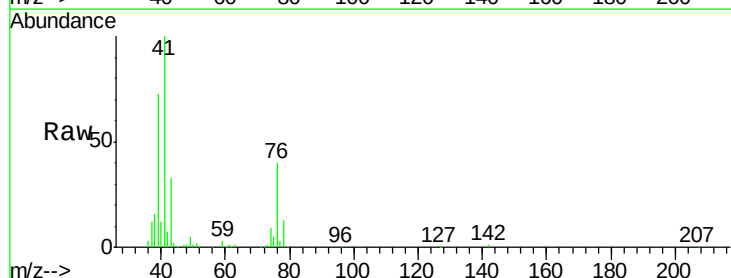
Manual Integrations
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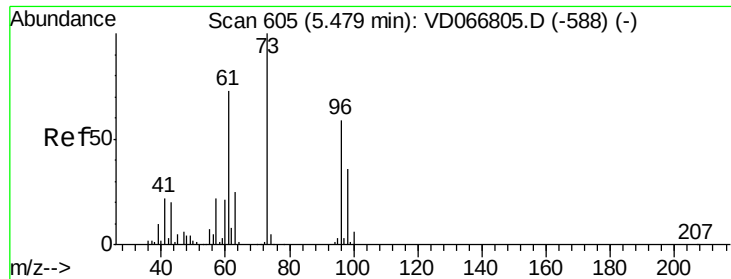
MMDadoda
9/23/2020 1:05:01 PM



#18
Methyl Acetate
Concen: 89.948 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion: 43 Resp: 199760
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5





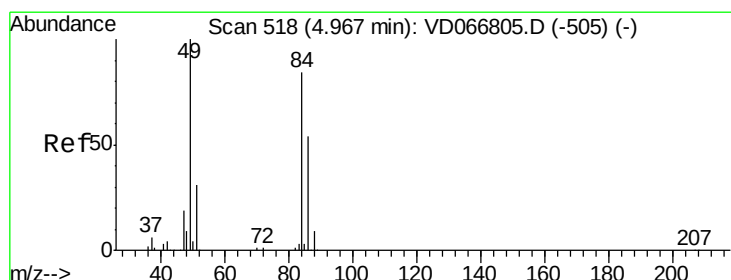
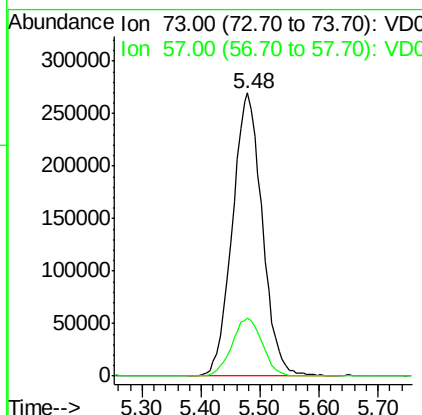
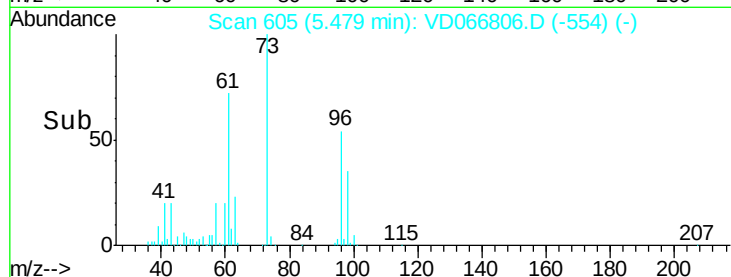
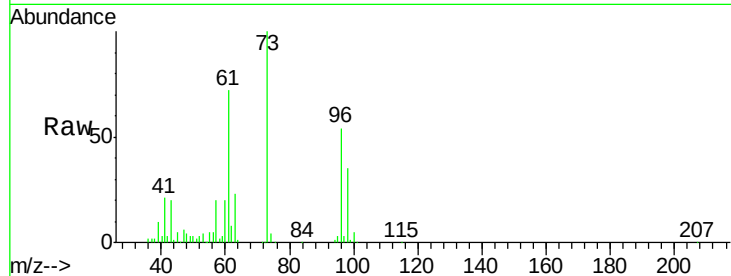
#19
Methyl tert-butyl Ether
Concen: 101.379 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 950726
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.2

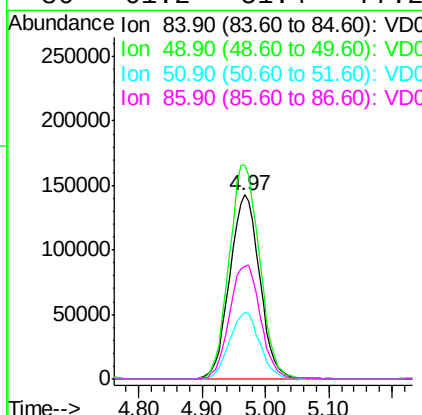
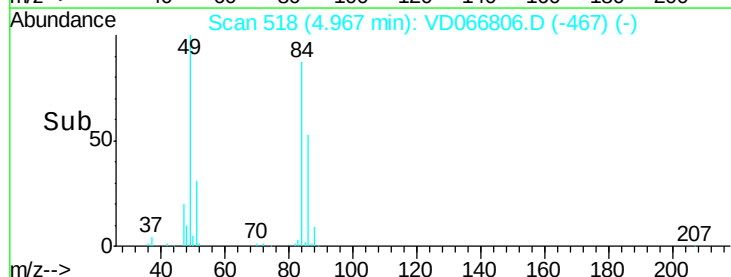
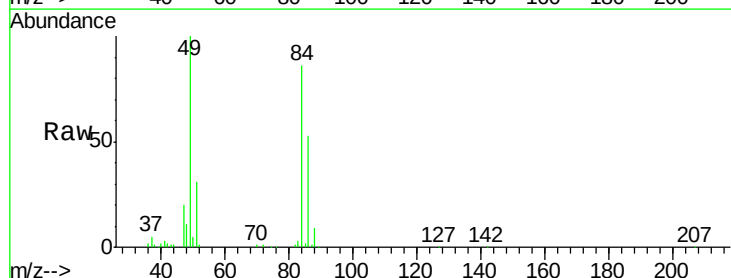
Manual Integrations
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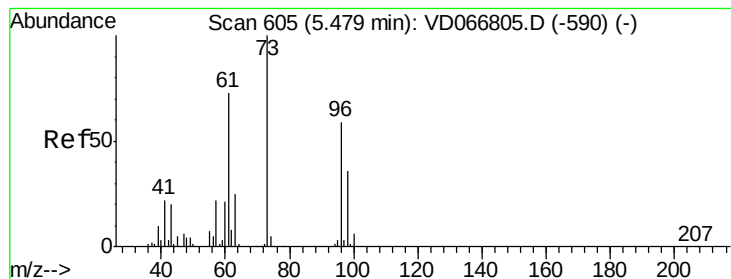
MMDadoda
9/23/2020 1:05:01 PM



#20
Methylene Chloride
Concen: 75.244 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion: 84 Resp: 466062
Ion Ratio Lower Upper
84 100
49 115.9 95.4 143.2
51 36.0 29.7 44.5
86 61.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 93.754 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

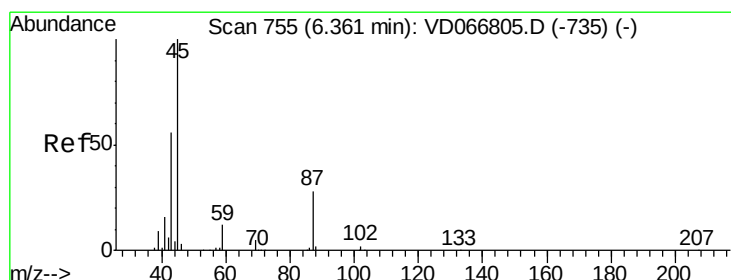
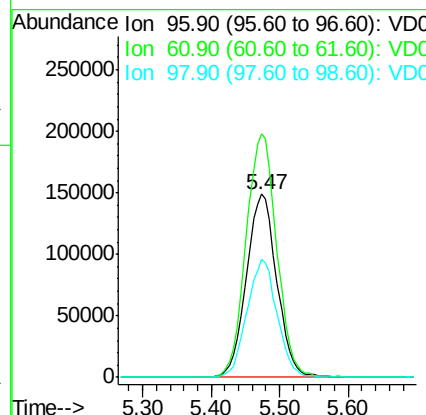
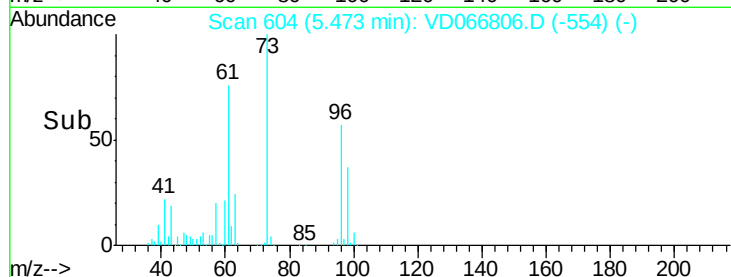
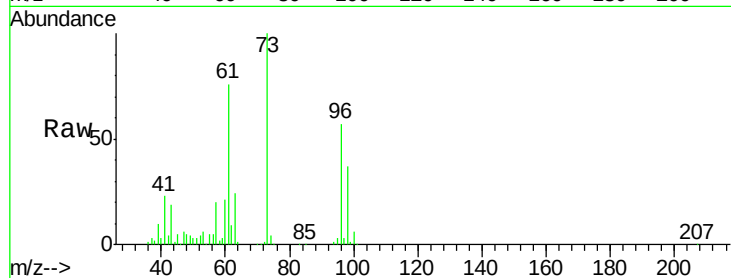
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	459618
Ion	Ratio	Lower	Upper
96	100		
61	132.9	98.9	148.3
98	64.5	48.4	72.6

Manual Integrations
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9/23/2020 1:05:01 PM



#22

Diisopropyl ether

Concen: 93.619 ug/l

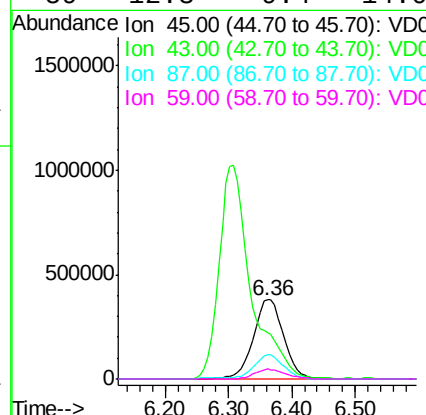
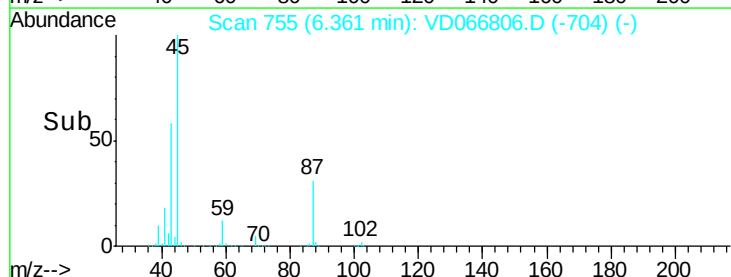
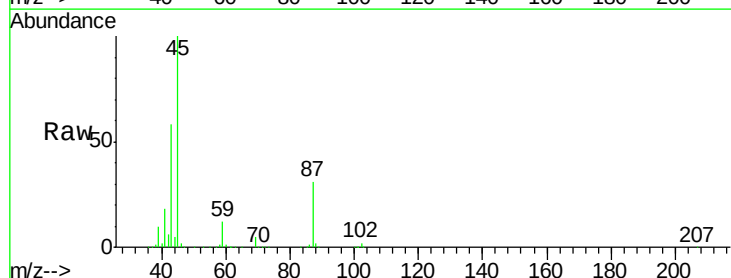
RT: 6.36 min Scan# 755

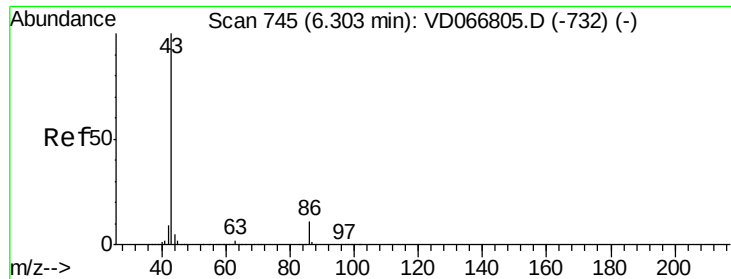
Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion:	45	Resp:	1273847
Ion	Ratio	Lower	Upper
45	100		
43	57.4	44.5	66.7
87	30.9	22.9	34.3
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 480.271 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3600105

Ion Ratio Lower Upper

43 100

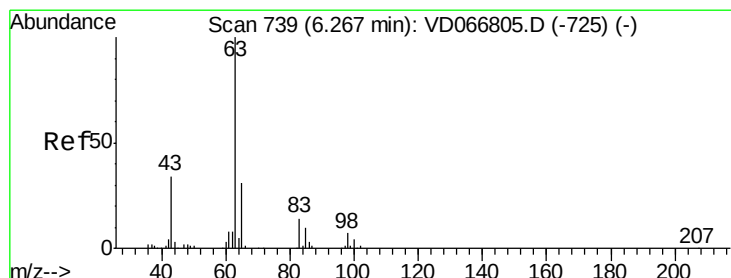
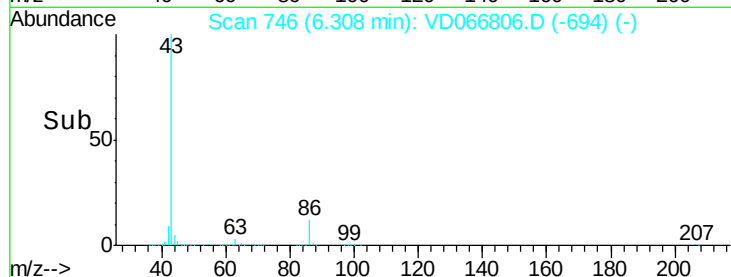
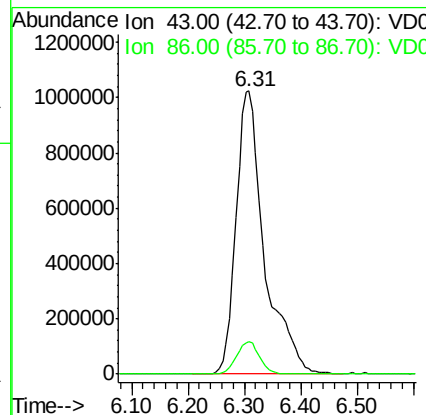
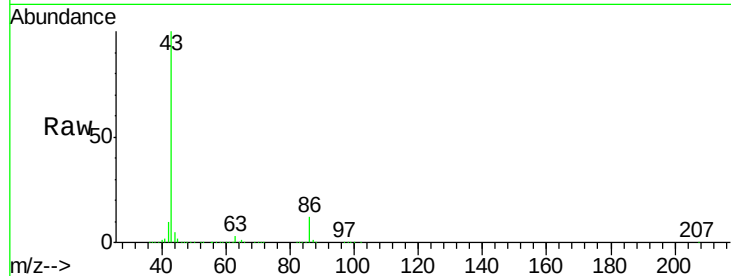
86 11.6 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:01 PM



#24

1,1-Dichloroethane

Concen: 91.748 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

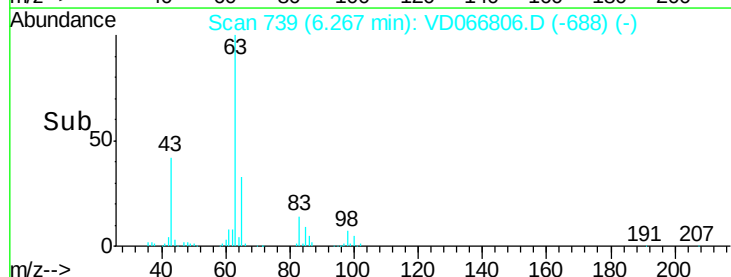
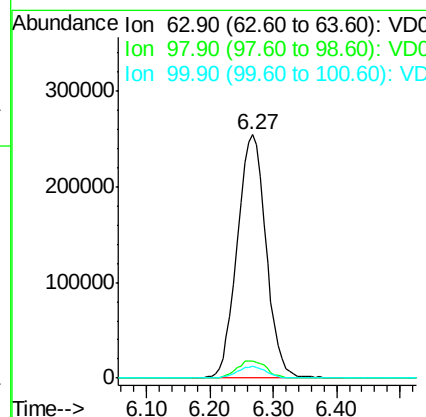
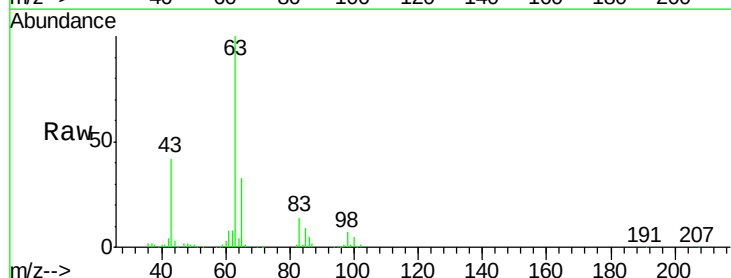
Tgt Ion: 63 Resp: 798989

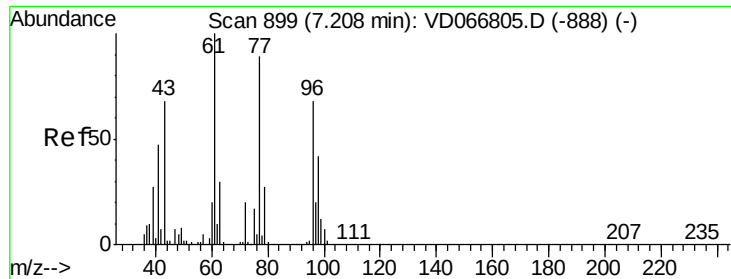
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 5.1 1.8 5.5





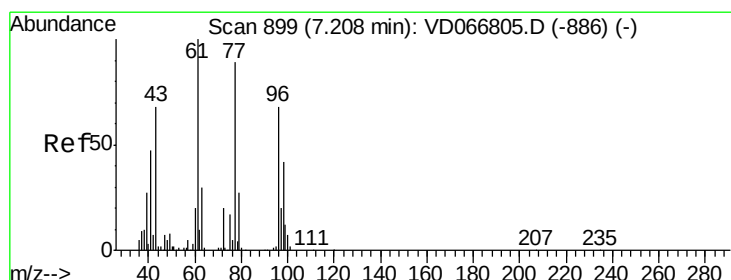
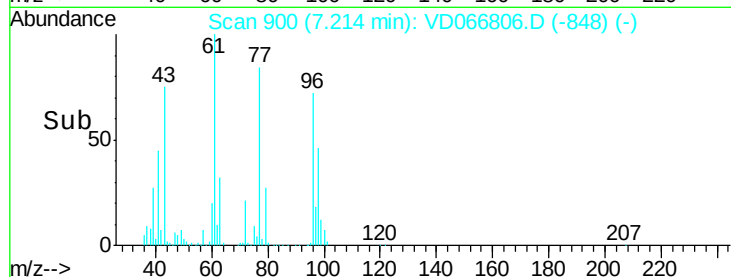
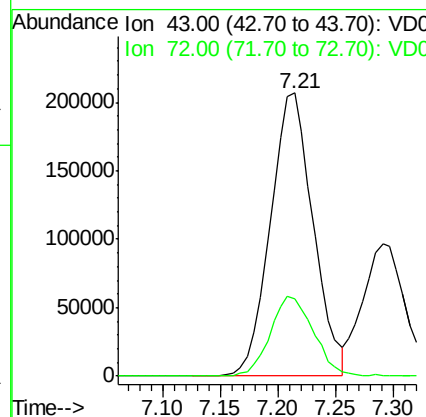
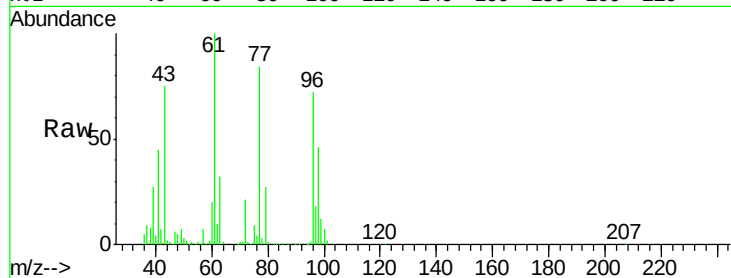
#25
2-Butanone
Concen: 452.190 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 533606
Ion Ratio Lower Upper
43 100
72 27.4 22.9 34.3

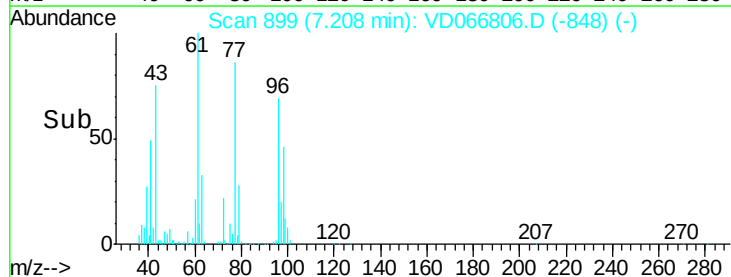
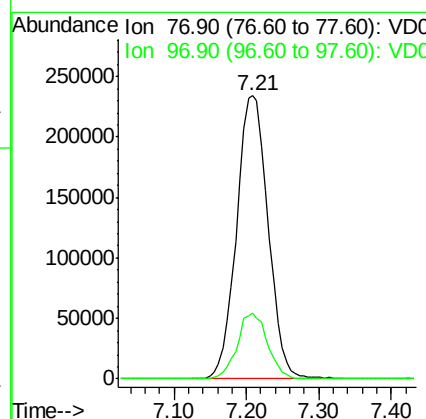
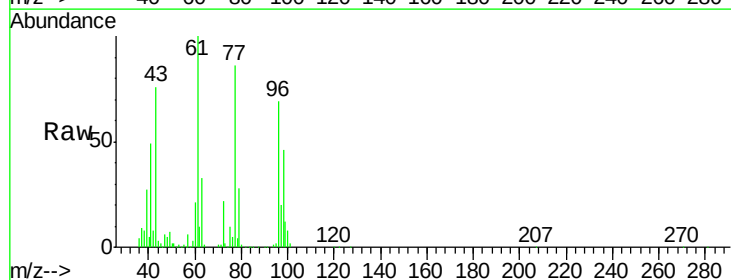
Manual Integrations
APPROVED

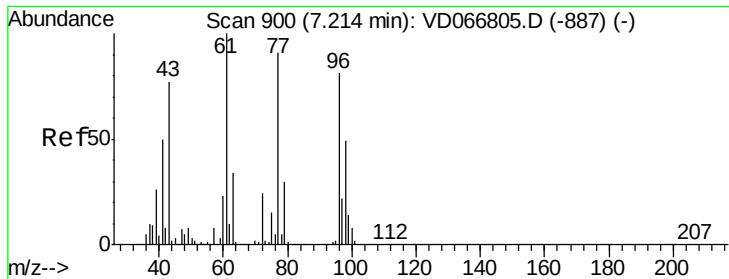
MMDadoda
9/23/2020 1:05:01 PM



#26
2,2-Dichloropropane
Concen: 88.206 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion: 77 Resp: 707787
Ion Ratio Lower Upper
77 100
97 22.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 96.824 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

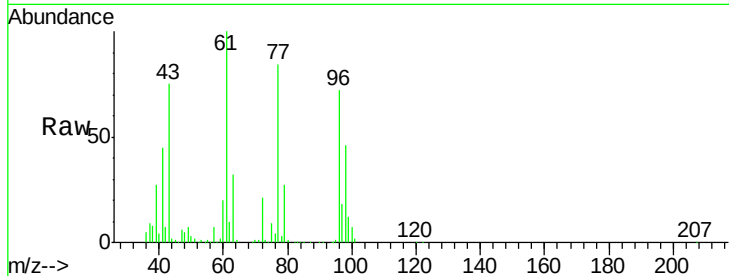
ClientSampleId :

VSTDIC100

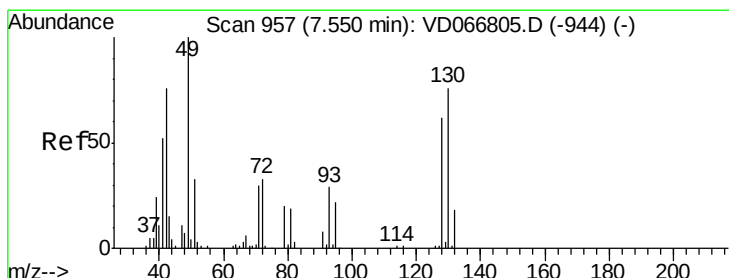
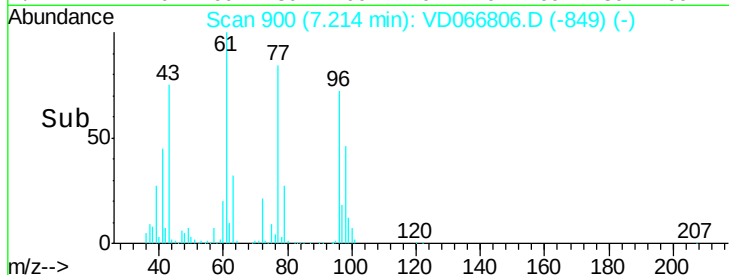
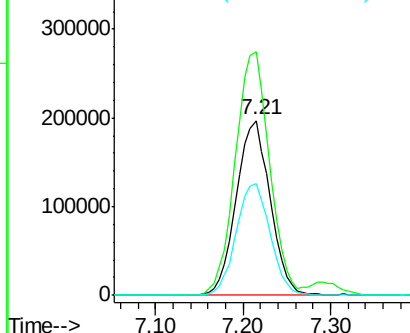
Tot Ion:	96	Resp:	519152
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	283.8
98	64.0	0.0	128.4

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 109.026 ug/l

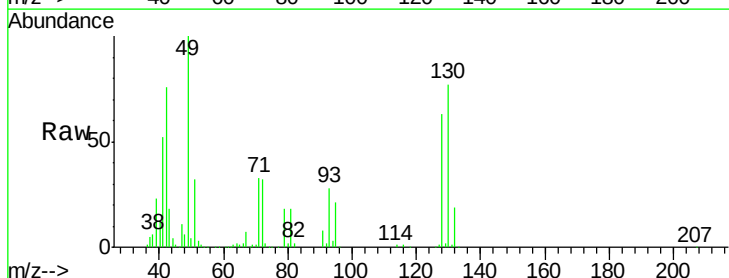
RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

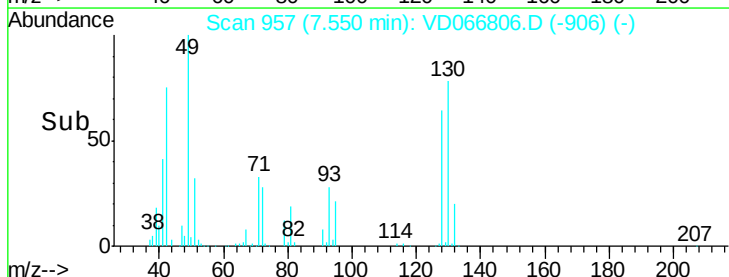
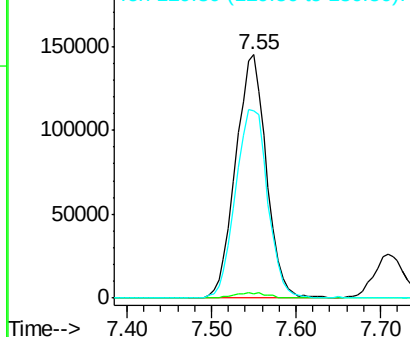
Lab File: VD066806.D

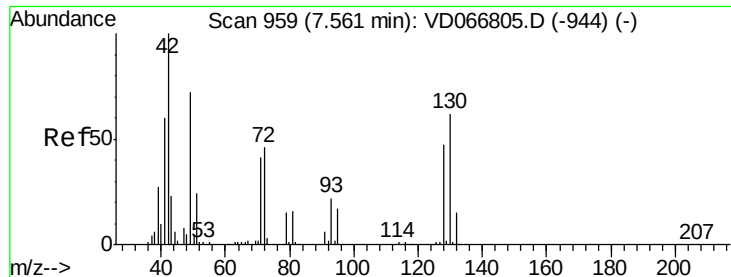
Acq: 22 Sep 2020 12:38

Tgt Ion:	49	Resp:	364339
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.0#
130	81.4	65.9	98.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





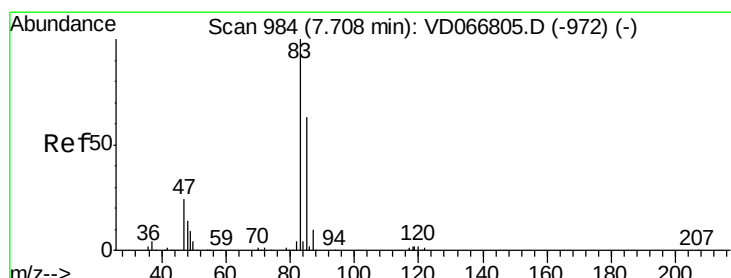
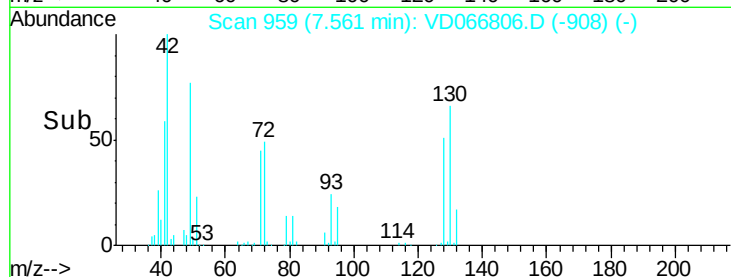
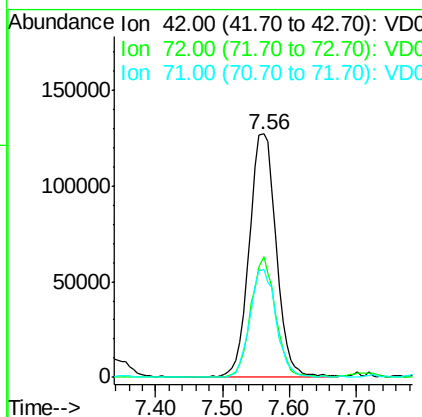
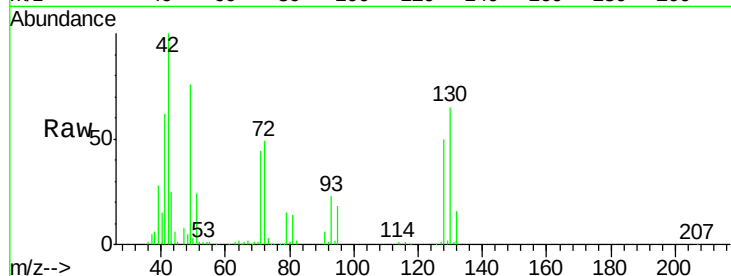
#29
Tetrahydrofuran
Concen: 486.941 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	352525
Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.2	54.4
71	42.6	32.4	48.6

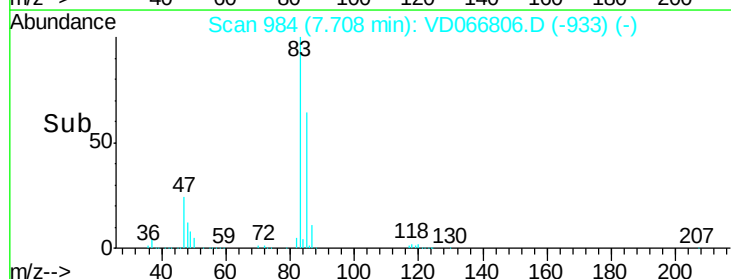
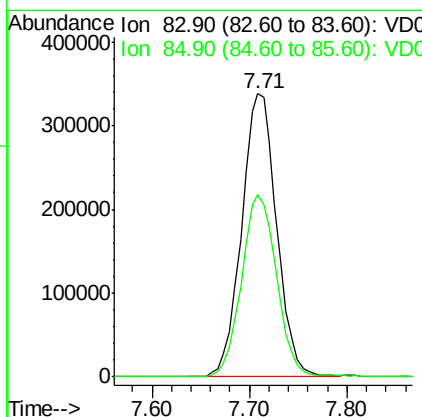
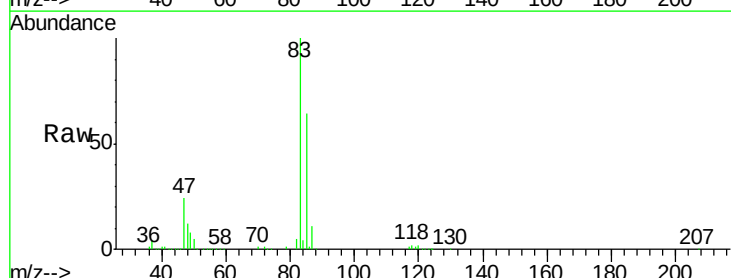
Manual Integrations
APPROVED

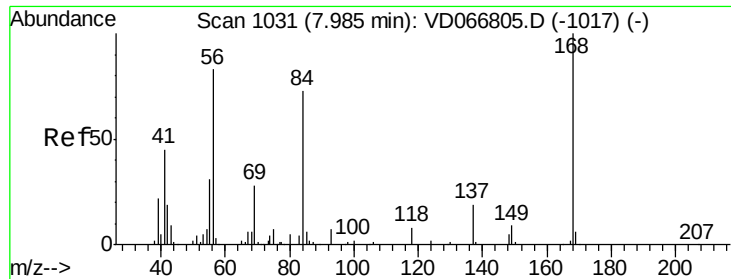
MMDadoda
9/23/2020 1:05:01 PM



#30
Chloroform
Concen: 91.400 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion:	83	Resp:	845872
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8





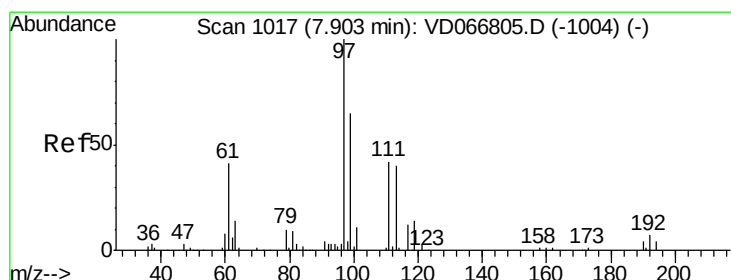
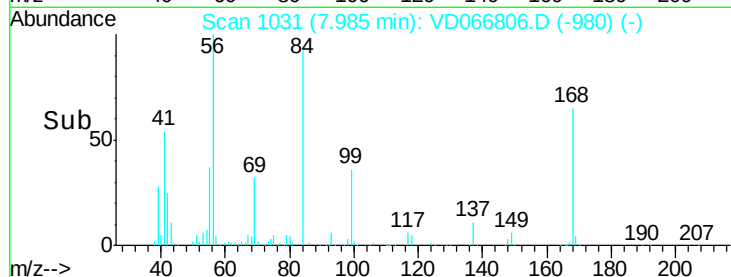
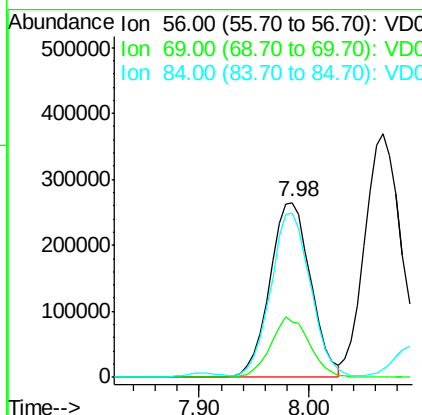
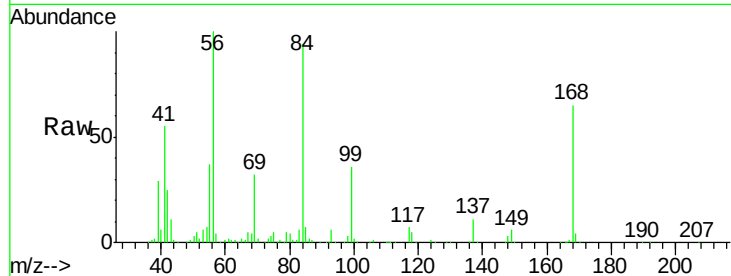
#31
Cyclohexane
Concen: 86.262 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.0	40.4
84	92.2	70.2	105.4

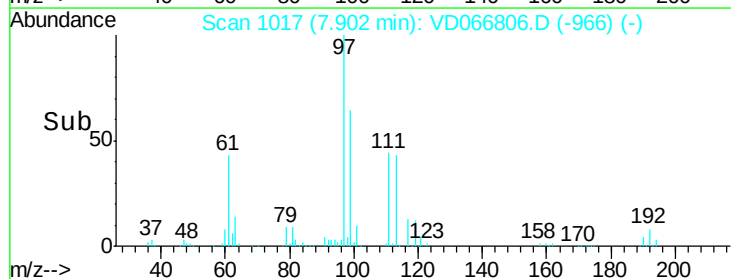
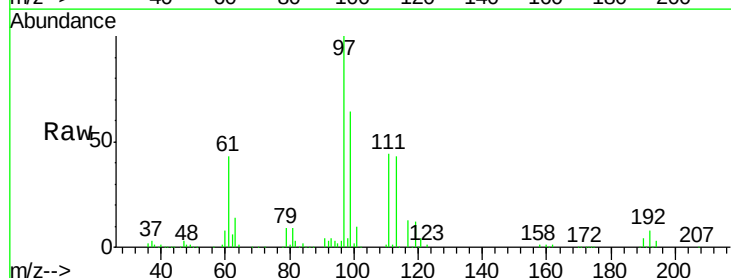
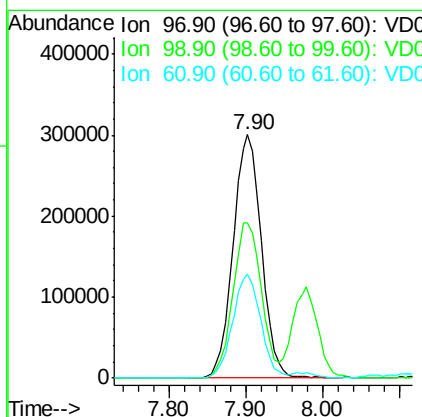
Manual Integrations
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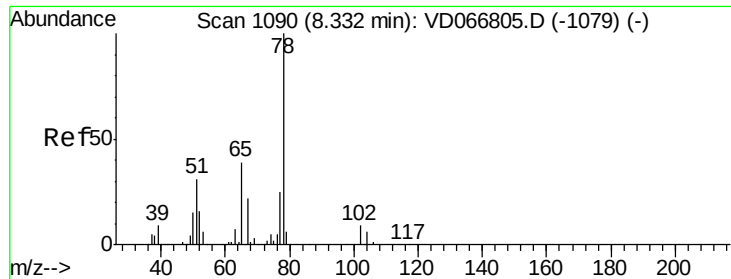
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 91.525 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	42.1	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 90.845 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 402377

Ion Ratio Lower Upper

65 100

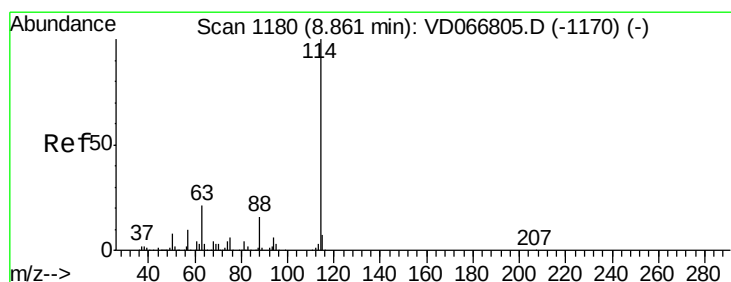
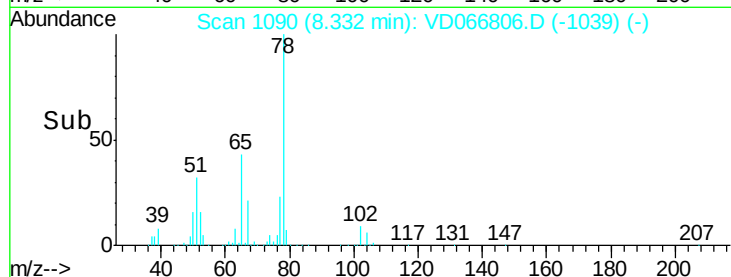
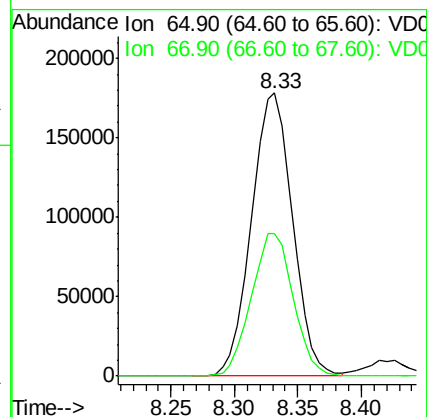
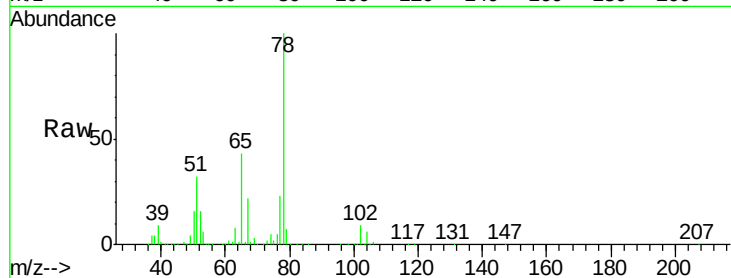
67 51.3 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

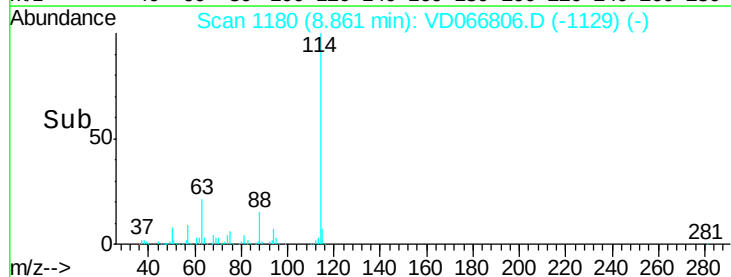
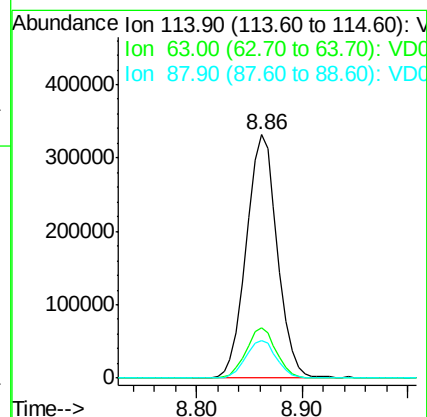
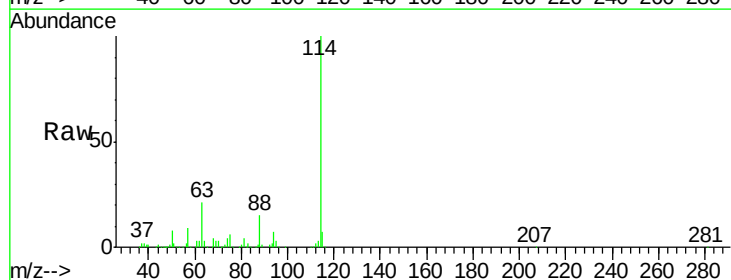
Tgt Ion: 114 Resp: 674923

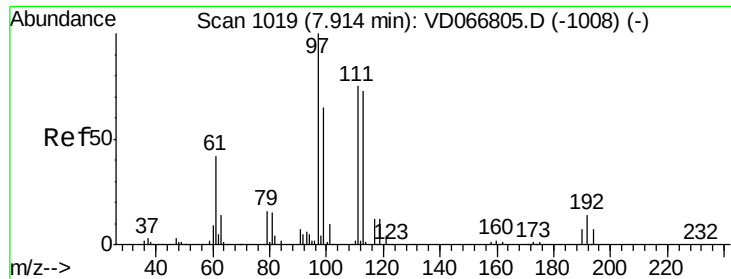
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 15.5 0.0 32.6





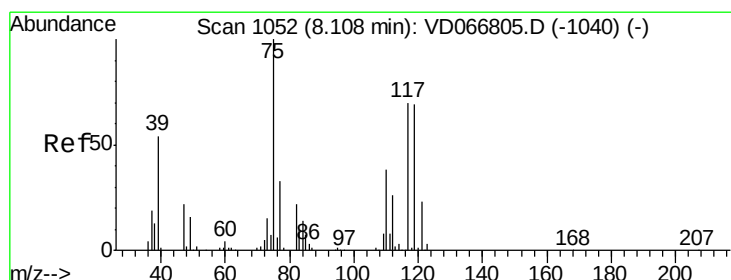
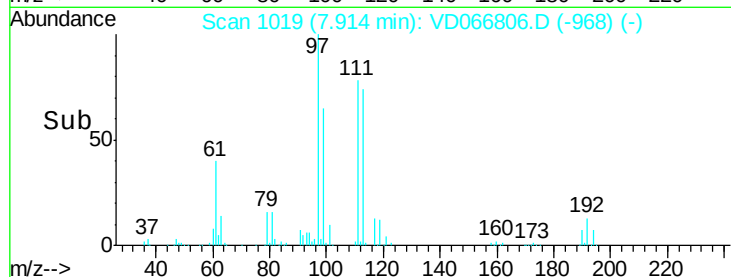
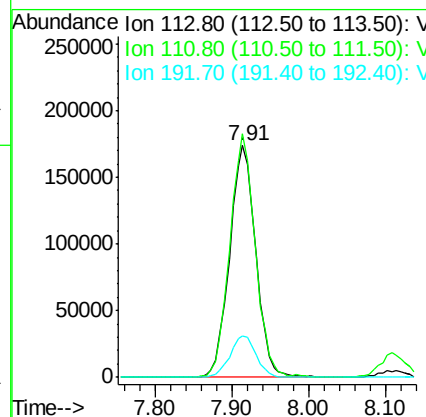
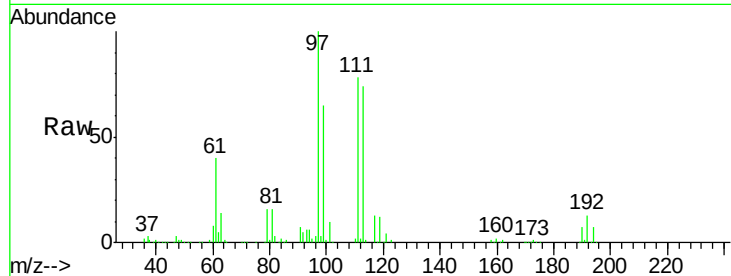
#35
 Dibromofluoromethane
 Concen: 98.965 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	411553		
111	102.3	81.8	122.8	
192	18.0	14.4	21.6	

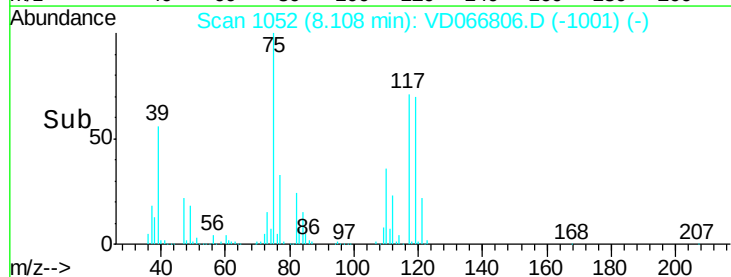
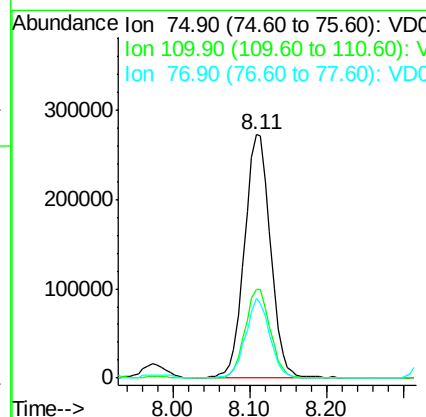
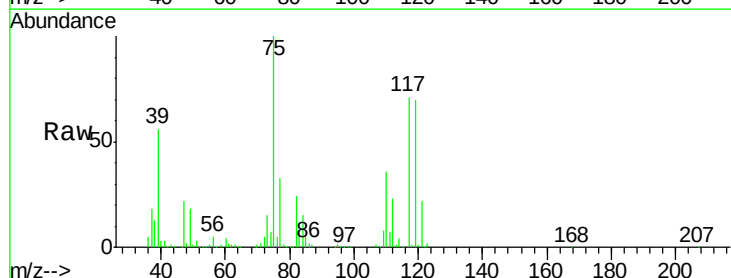
Manual Integrations
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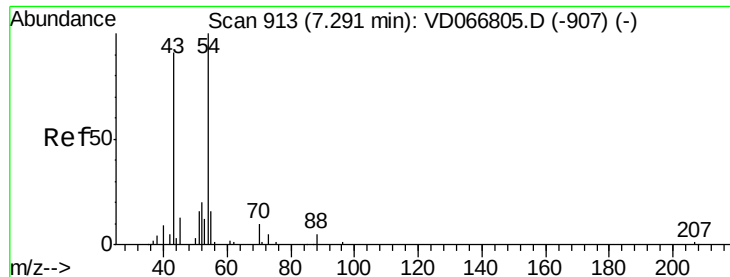
MMDadoda
 9/23/2020 1:05:01 PM



#36
 1,1-Dichloropropene
 Concen: 93.532 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	646644		
110	35.4	17.9	53.8	
77	30.7	25.0	37.6	





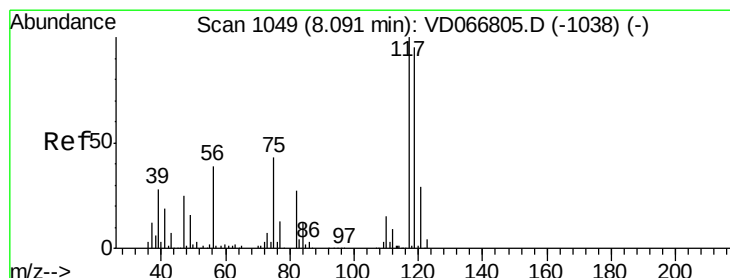
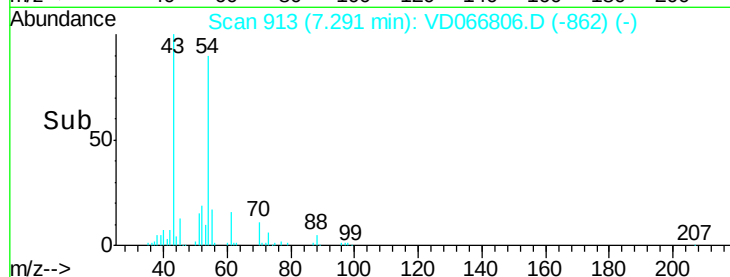
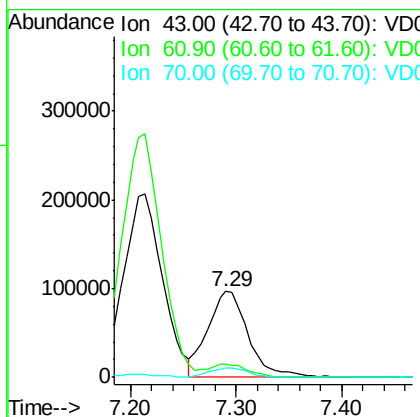
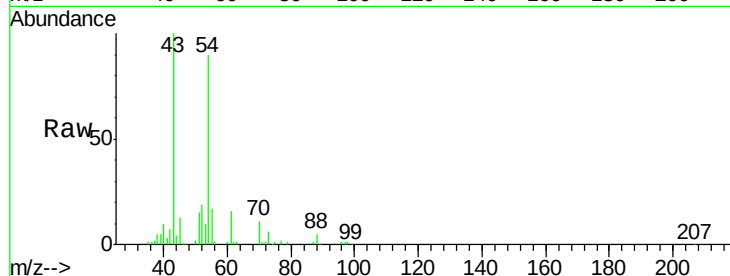
#37
Ethyl Acetate
Concen: 96.921 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100	253426		
61	14.1		9.8	14.8
70	10.9		8.5	12.7

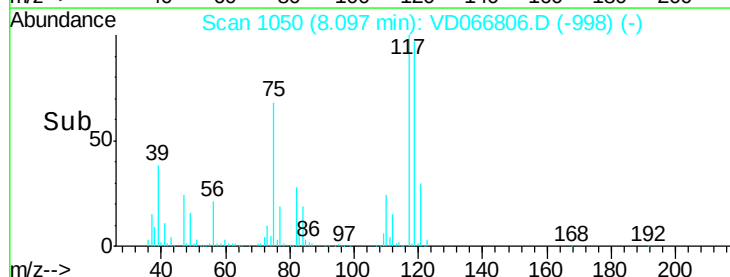
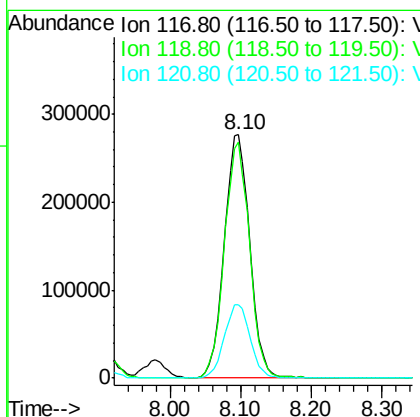
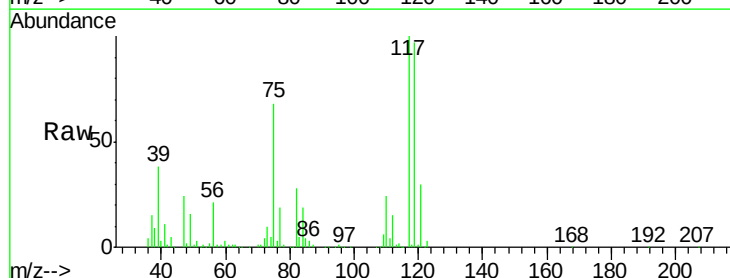
Manual Integrations
APPROVED

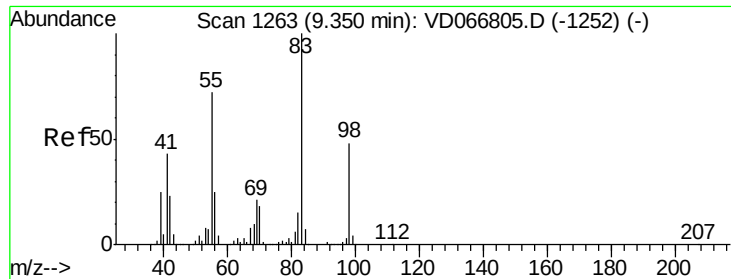
MMDadoda
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#38
Carbon Tetrachloride
Concen: 93.843 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	690664		
119	96.7		75.8	113.8
121	30.4		23.4	35.0





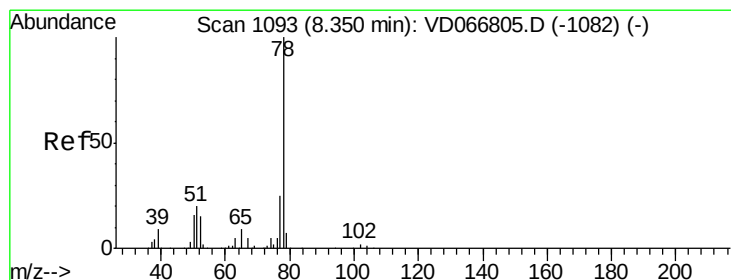
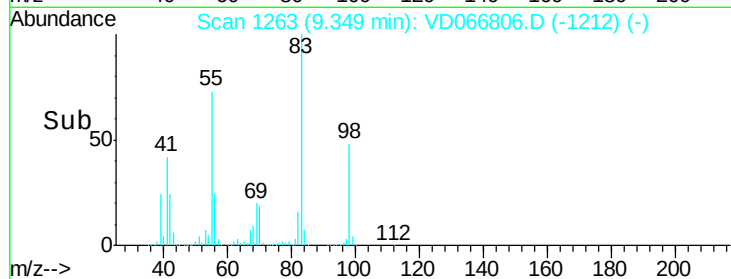
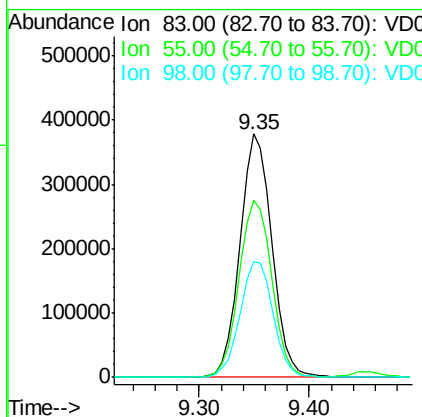
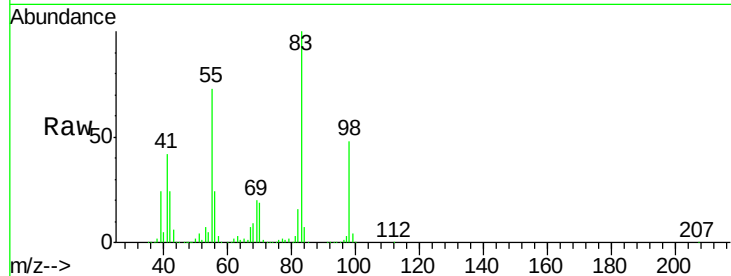
#39
Methylvlcyclohexane
Concen: 97.726 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.7	86.5
98	47.6	38.4	57.6

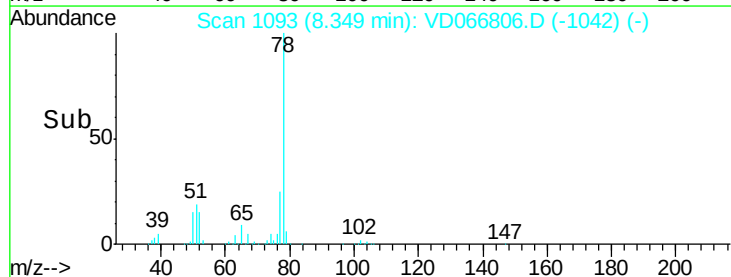
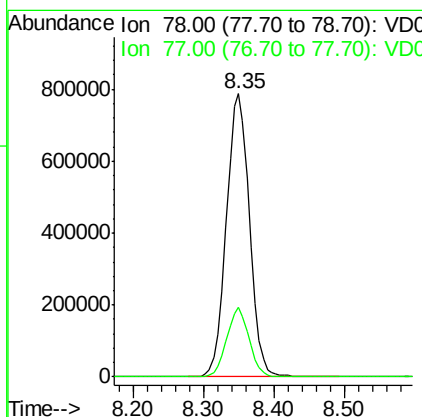
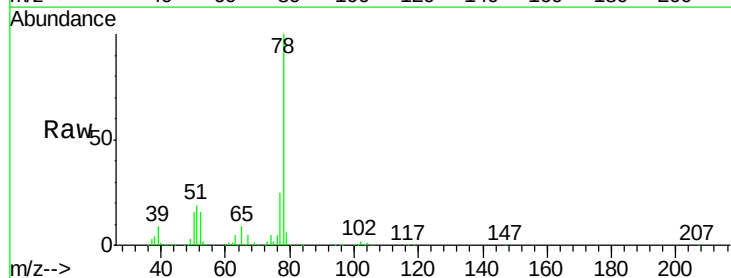
Manual Integrations
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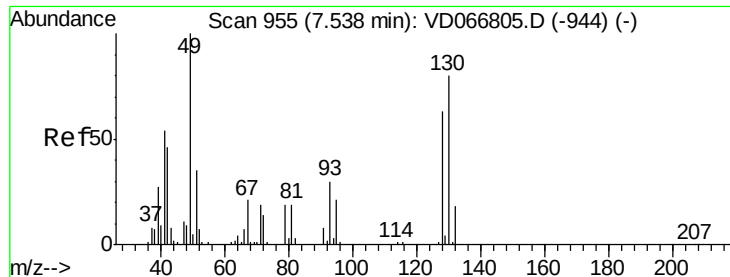
MMDadoda
9/23/2020 1:05:01 PM



#40
Benzene
Concen: 94.948 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.9	29.9





#41

Methacrylonitrile

Concen: 109.845 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 155201
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

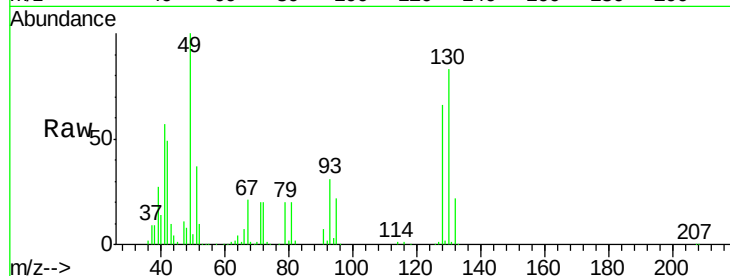
67 0.0 0.0 0.0

52 0.0 0.0 0.0

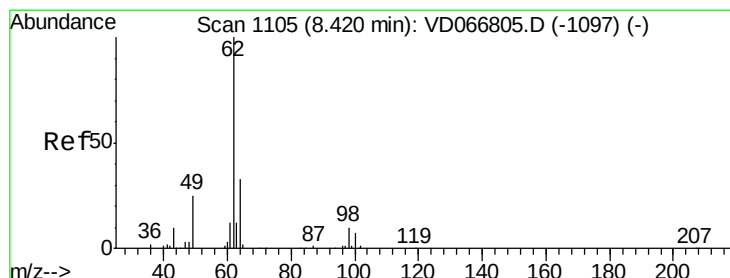
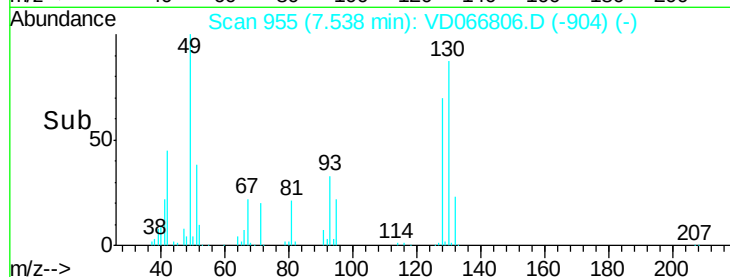
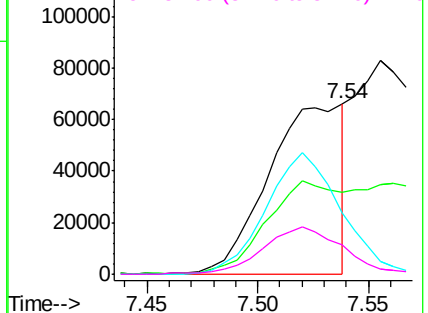
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 92.298 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

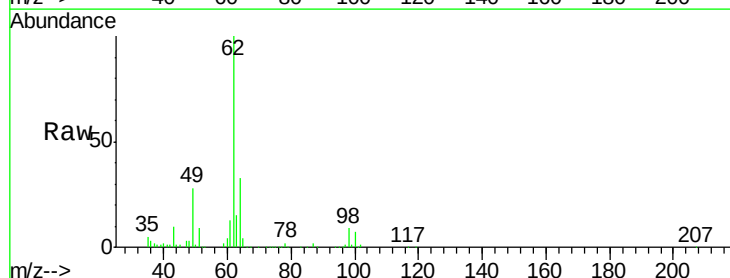
Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

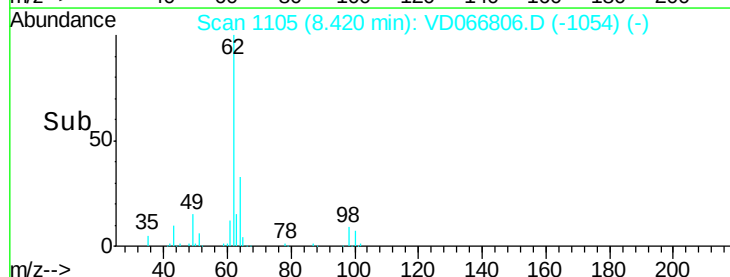
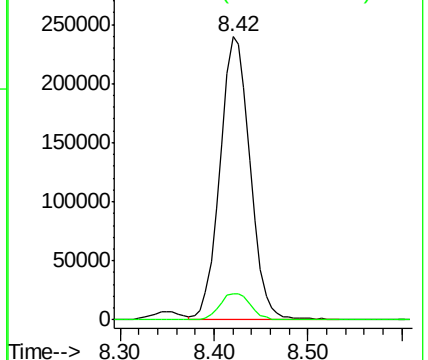
Tgt Ion: 62 Resp: 532499
Ion Ratio Lower Upper

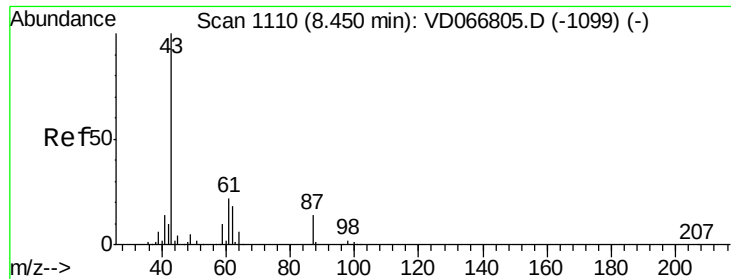
62 100

98 9.6 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 97.927 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

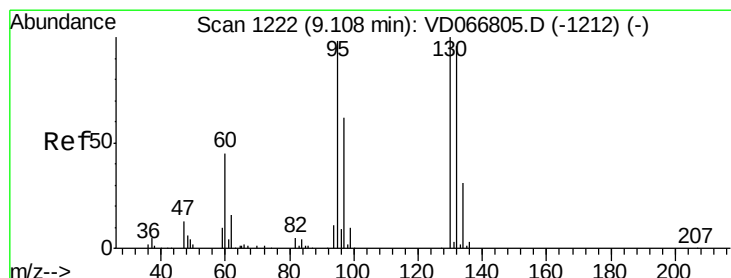
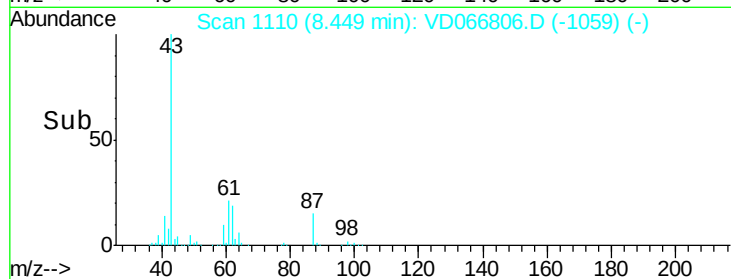
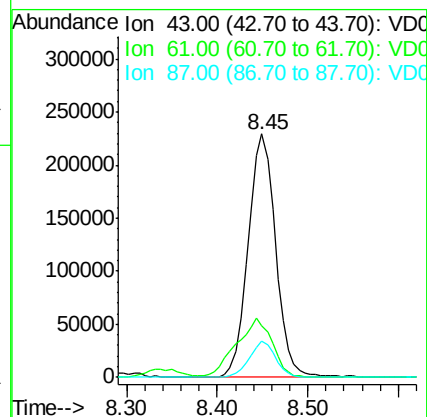
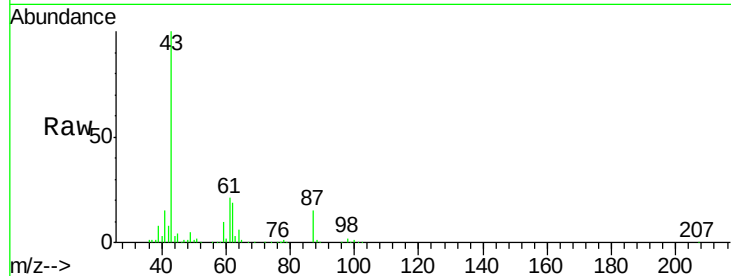
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	483042
Ion	Ratio	Lower	Upper
43	100		
61	31.5	26.2	39.4
87	14.1	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 100.862 ug/l

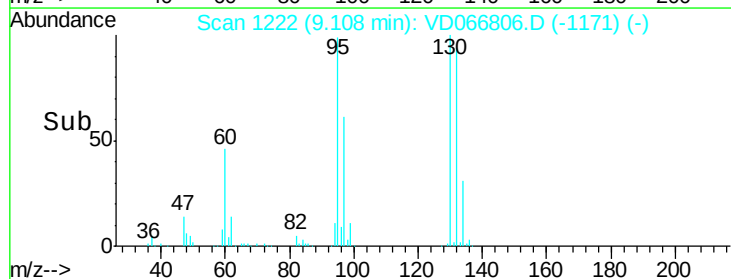
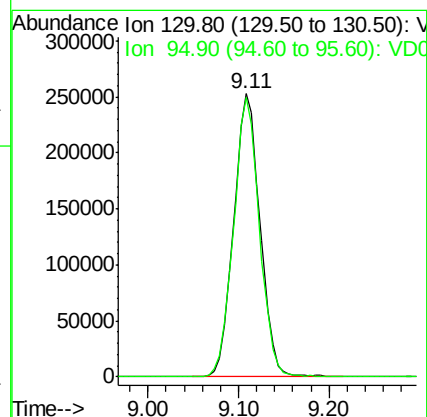
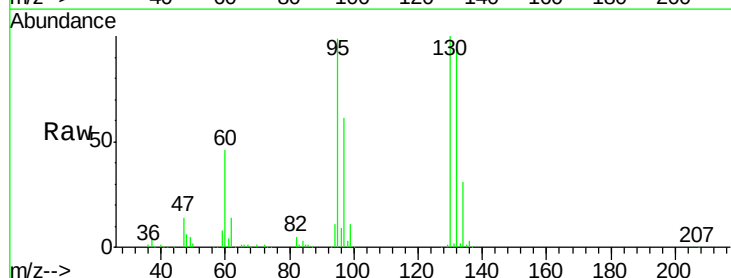
RT: 9.11 min Scan# 1222

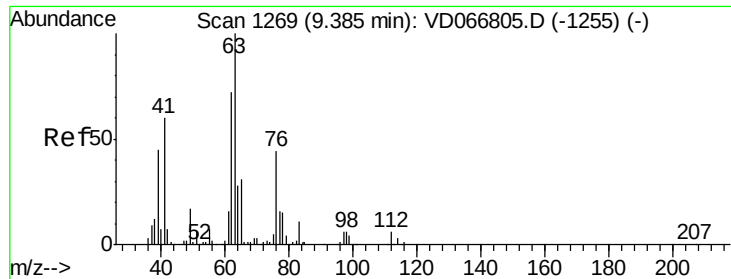
Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion:	130	Resp:	511211
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.0





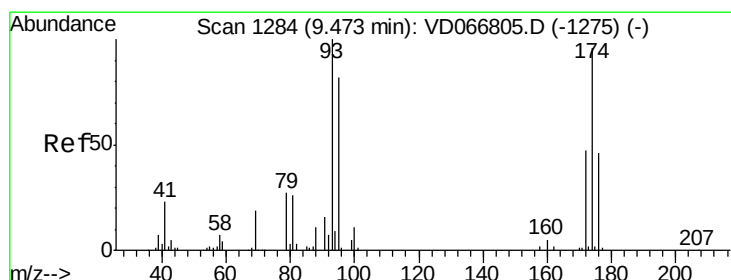
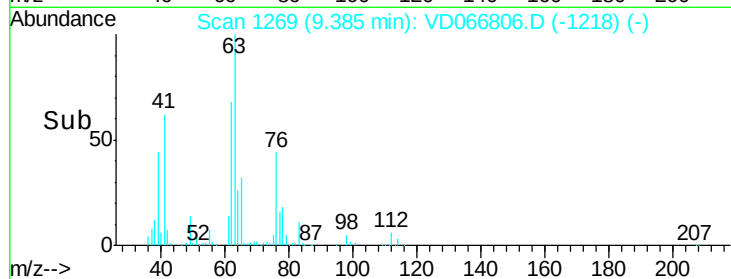
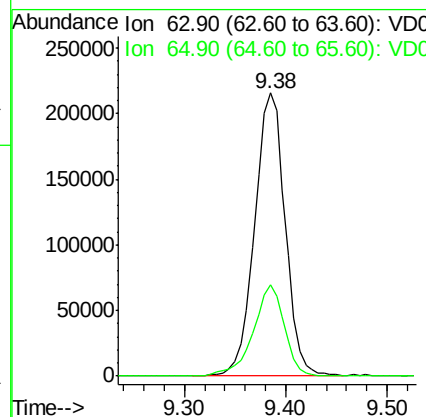
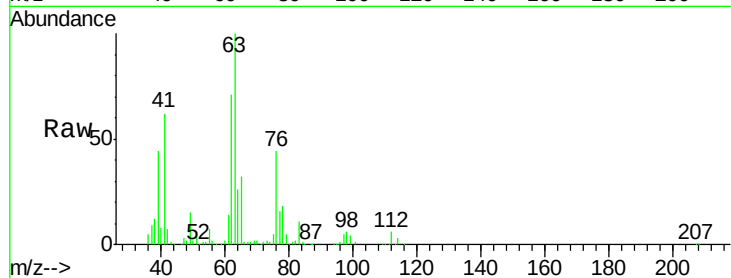
#45
 1,2-Dichloropropane
 Concen: 97.197 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion: 63 Resp: 453719
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.7 37.1

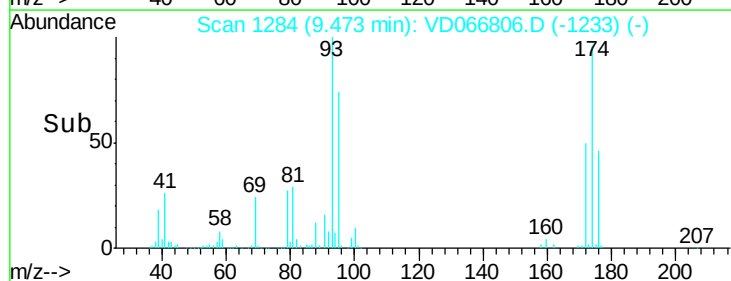
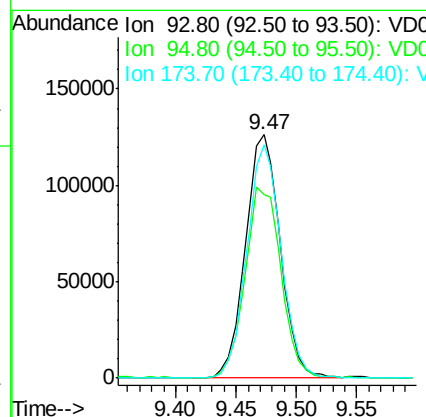
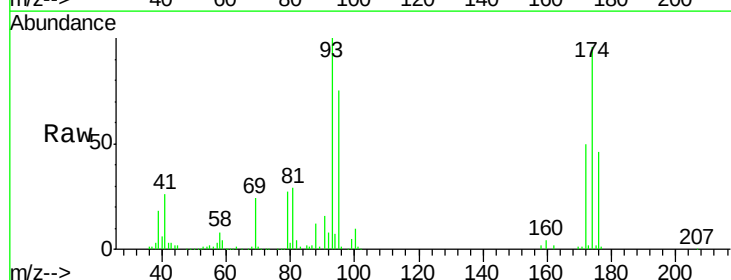
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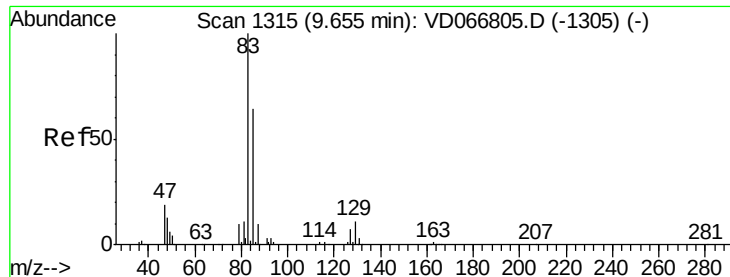
MMDadoda
 9/23/2020 1:05:01 PM



#46
 Dibromomethane
 Concen: 99.233 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion: 93 Resp: 255113
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.3 97.9
 174 94.4 75.4 113.2





#47

Bromodichloromethane

Concen: 95.138 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

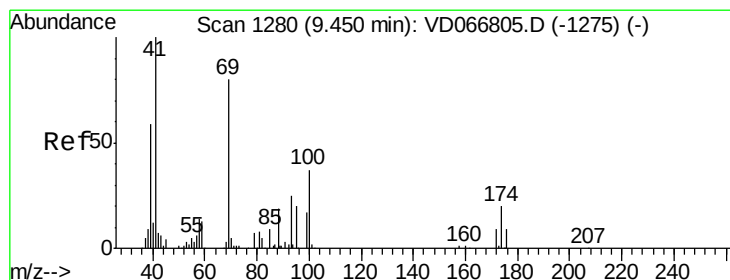
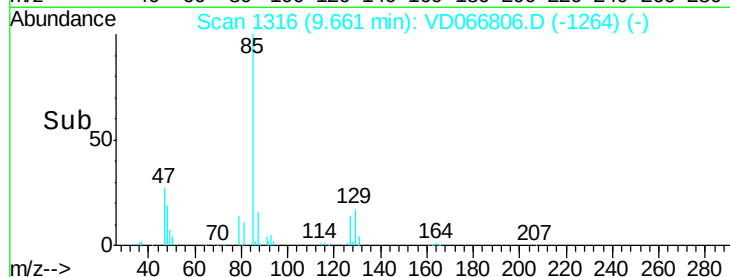
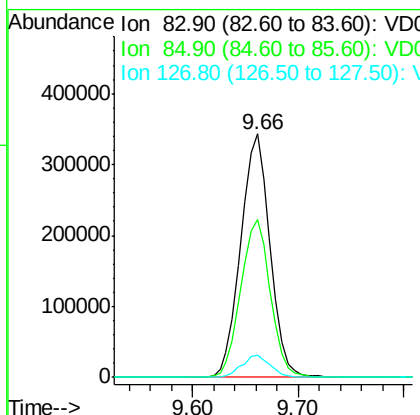
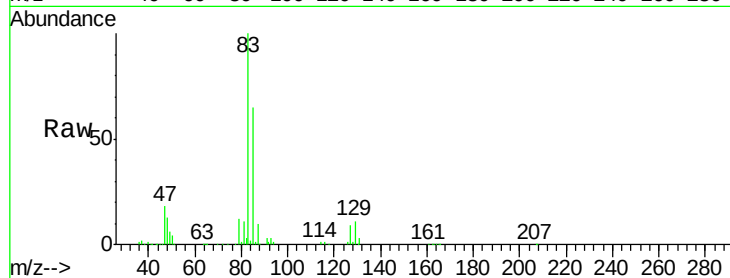
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	661269
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	9.0	5.9	8.9#

Manual Integrations
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MMDadoda
9/23/2020 1:05:01 PM



#48

Methyl methacrylate

Concen: 103.819 ug/l

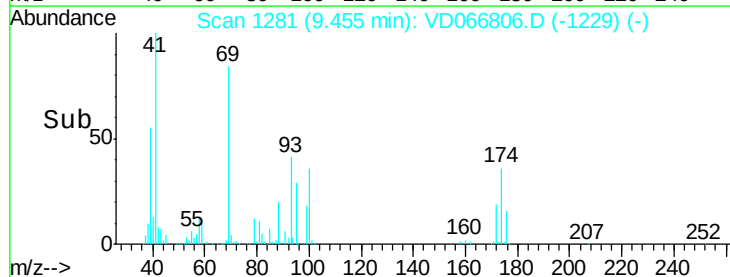
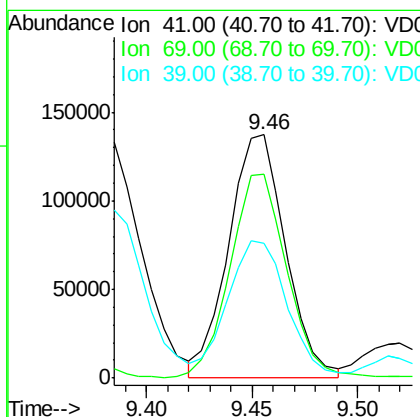
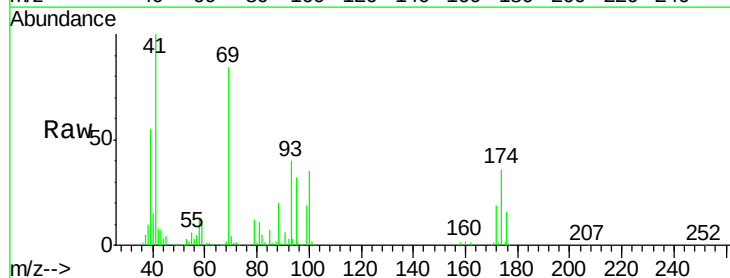
RT: 9.46 min Scan# 1281

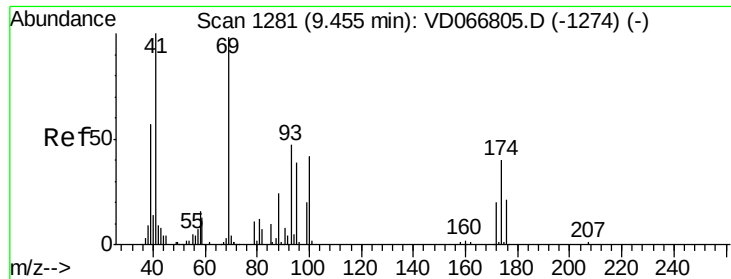
Delta R.T. 0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion:	41	Resp:	256282
Ion	Ratio	Lower	Upper
41	100		
69	83.0	74.5	111.7
39	54.5	47.0	70.6





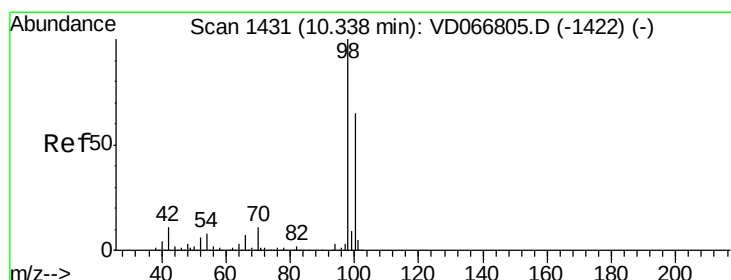
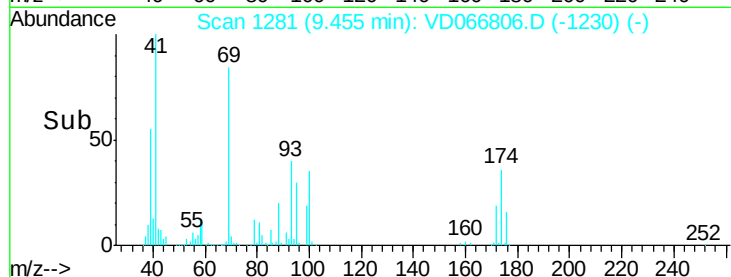
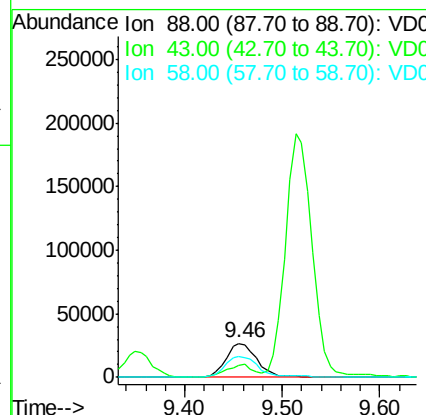
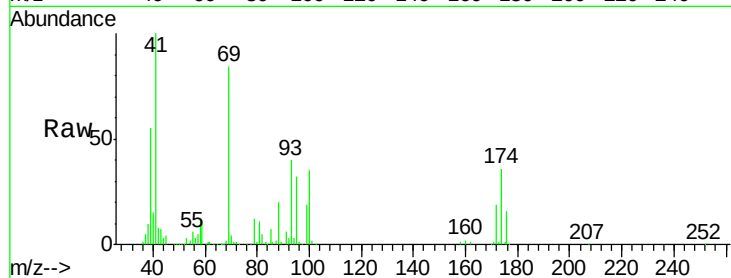
#49
1,4-Dioxane
Concen: 2145.108 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	59180
Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.7	41.5
58	63.6	55.5	83.3

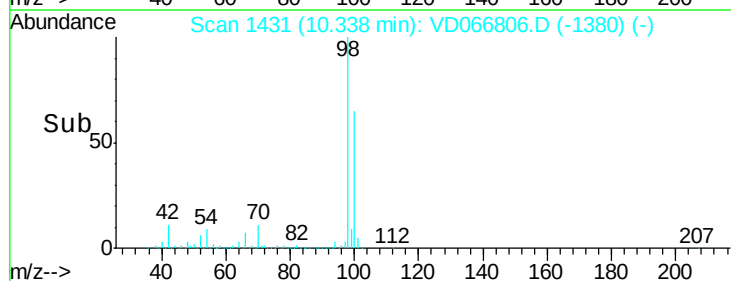
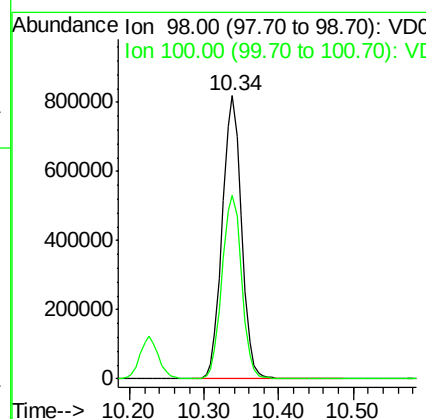
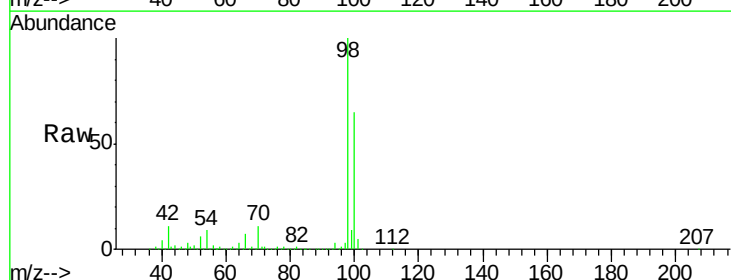
Manual Integrations
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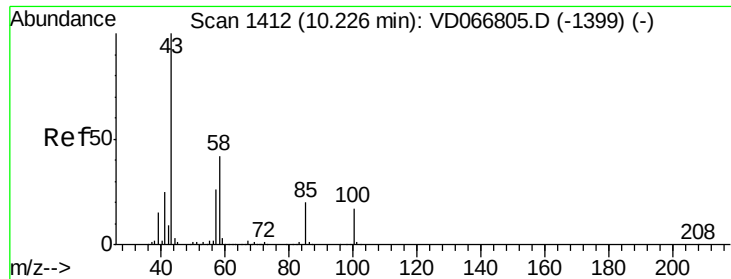
MMDadoda
9/23/2020 1:05:01 PM



#50
Toluene-d8
Concen: 100.067 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	98	Resp	1469750
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2





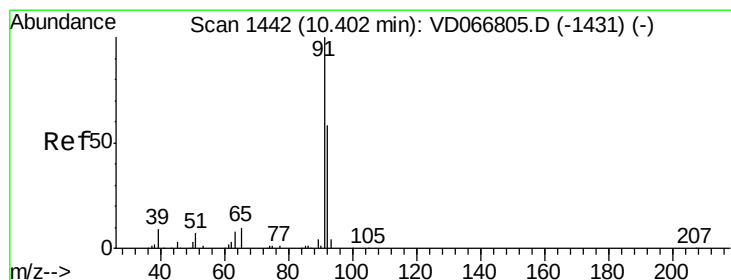
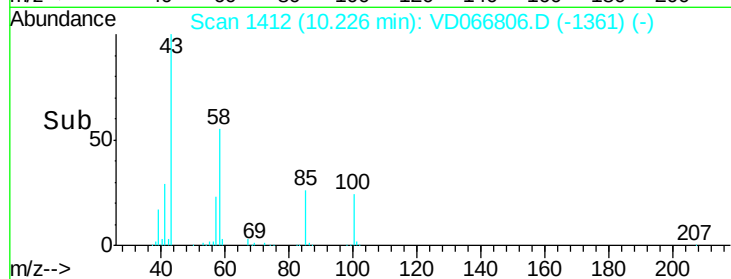
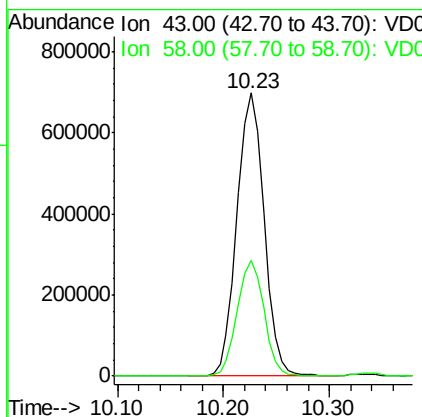
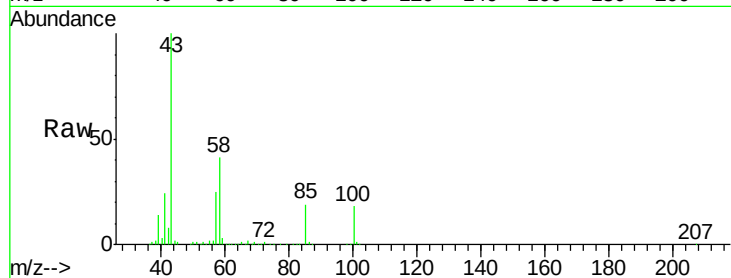
#51
 4-Methyl-2-Pentanone
 Concen: 492.112 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1248759
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4

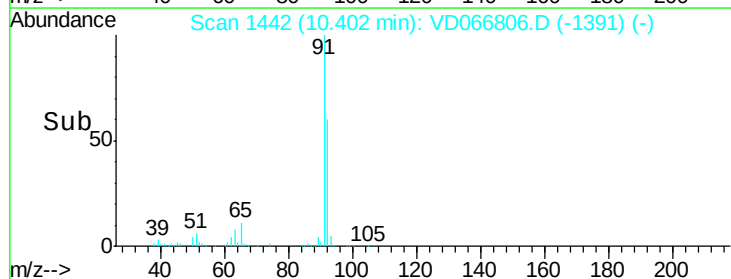
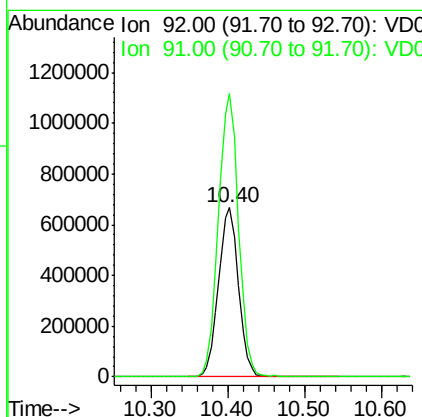
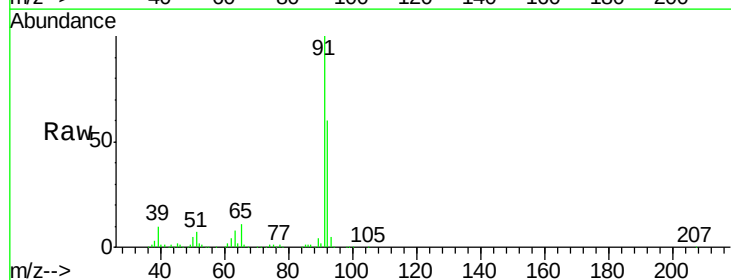
Manual Integrations
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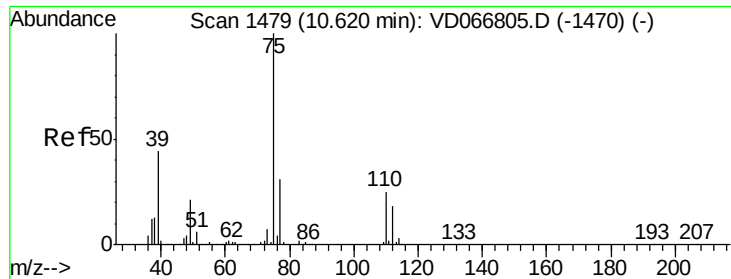
MMDadoda
 9/23/2020 1:05:01 PM



#52
 Toluene
 Concen: 99.310 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion: 92 Resp: 1196665
 Ion Ratio Lower Upper
 92 100
 91 168.6 134.6 202.0





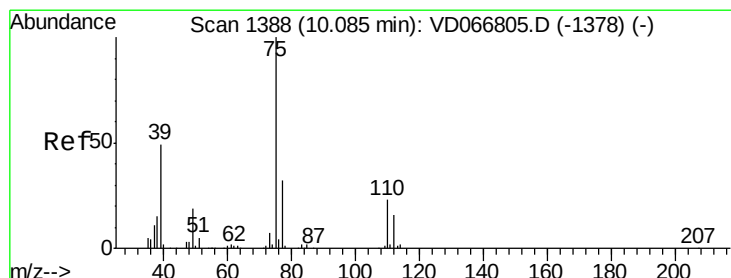
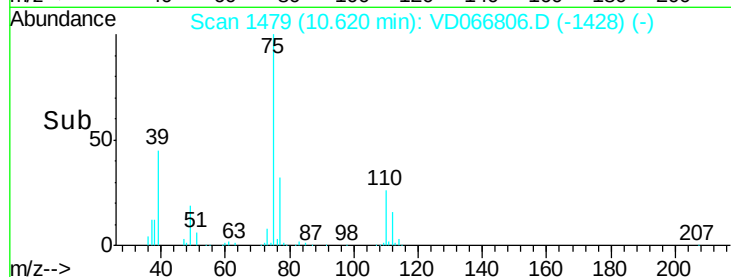
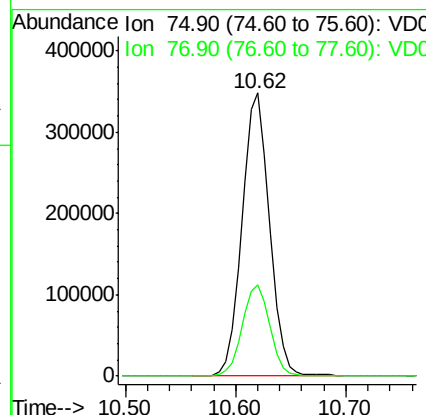
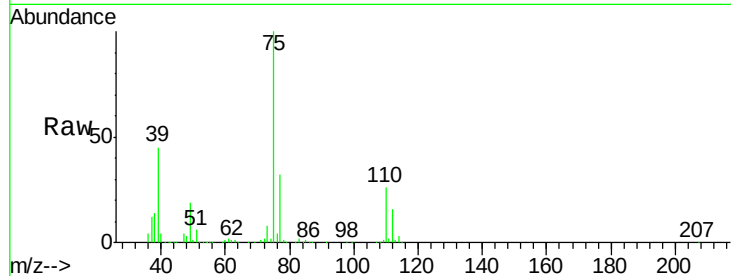
#53
 t-1,3-Dichloropropene
 Concen: 98.385 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 608772
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.5 36.7

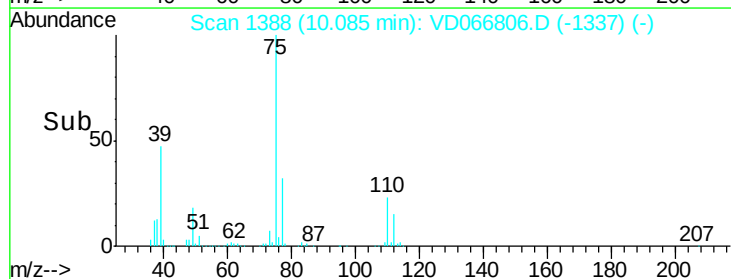
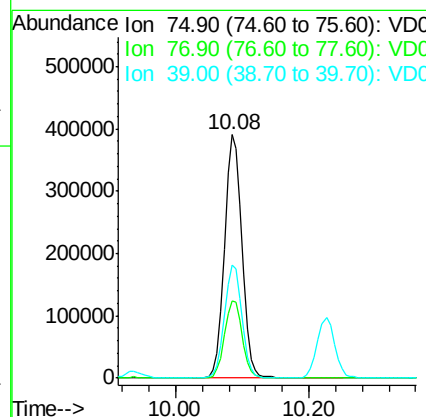
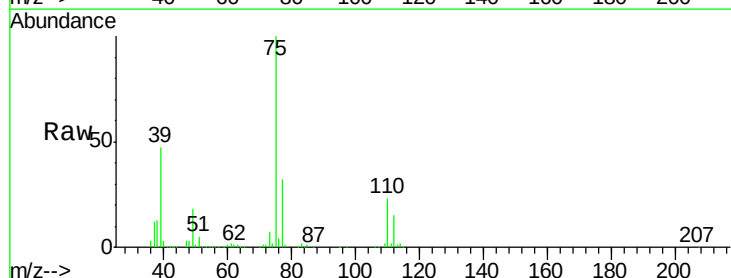
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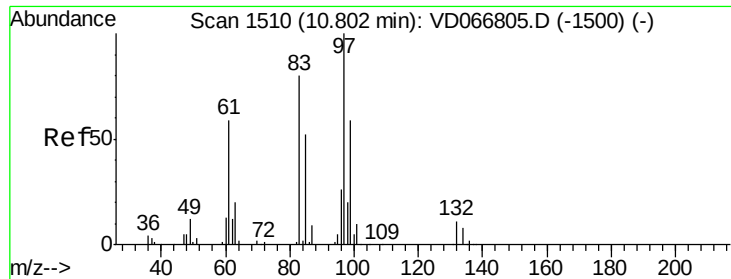
MMDadoda
 9/23/2020 1:05:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 98.359 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion: 75 Resp: 722997
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4
 39 46.3 39.2 58.8





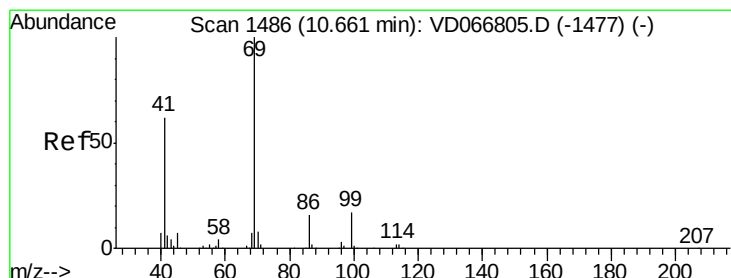
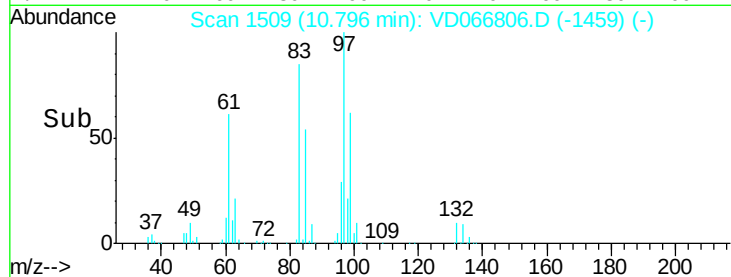
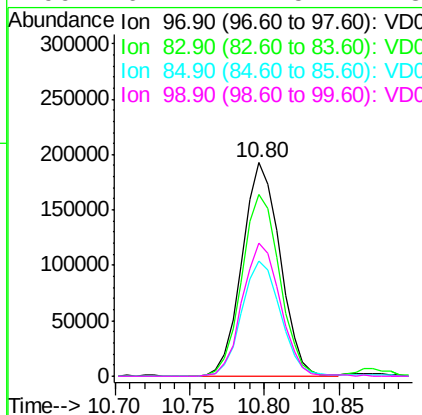
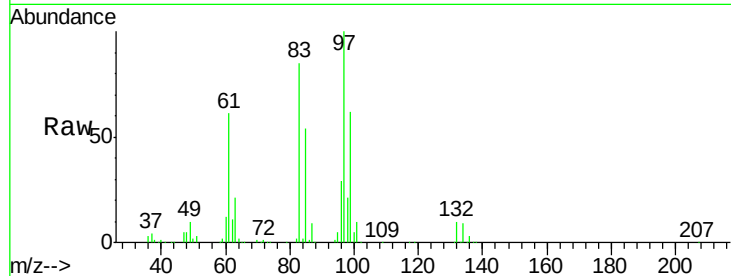
#55
 1,1,2-Trichloroethane
 Concen: 99.779 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	339849
Ion	Ratio	Lower	Upper
97	100		
83	85.1	64.2	96.2
85	53.9	41.9	62.9
99	62.4	47.5	71.3

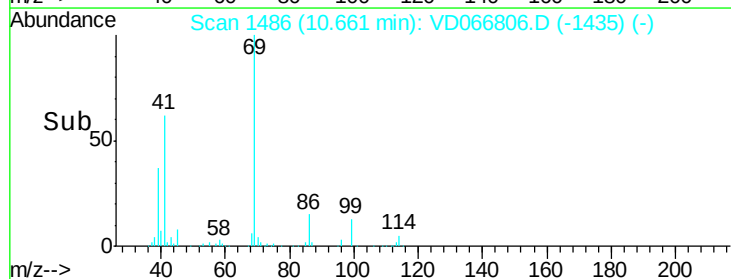
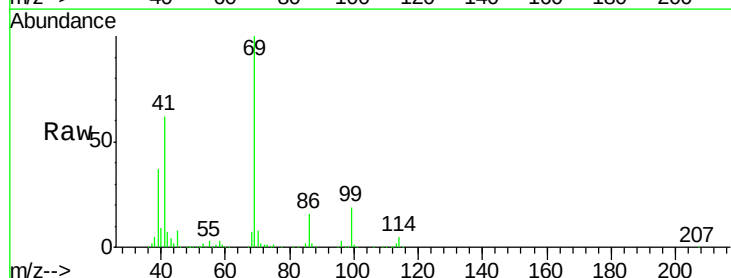
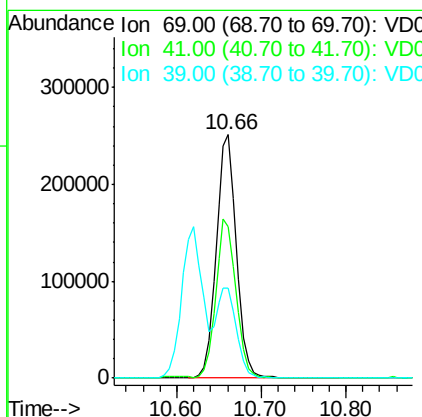
Manual Integrations
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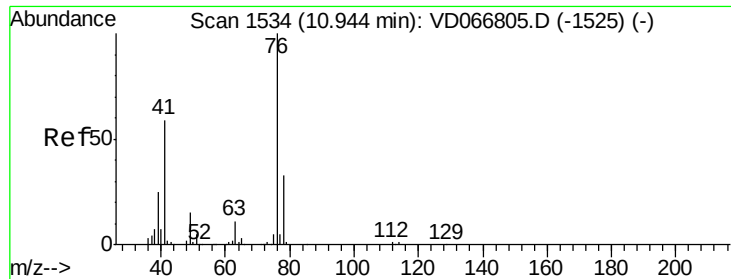
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#56
 Ethyl methacrylate
 Concen: 110.149 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion:	69	Resp:	420226
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	34.0	26.6	40.0





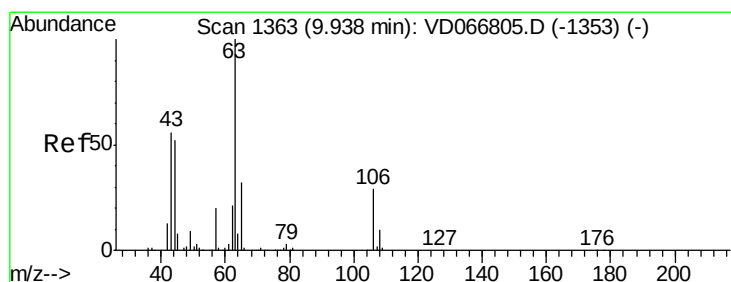
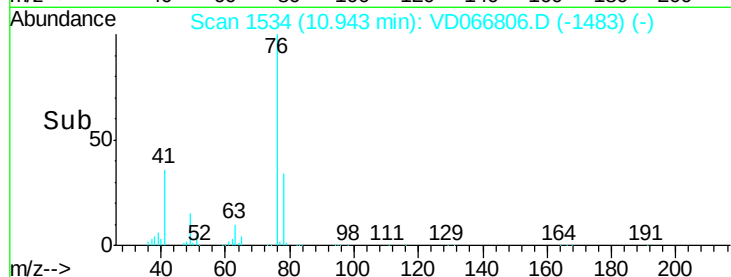
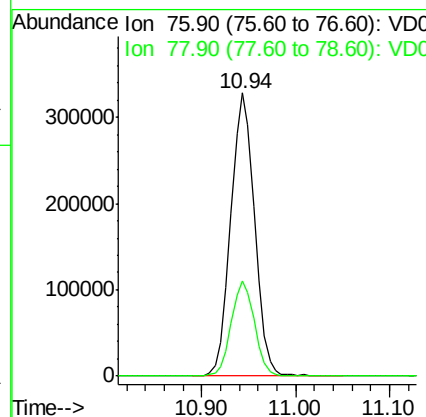
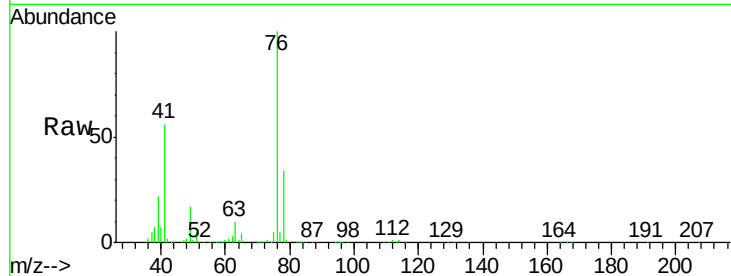
#57
 1,3-Dichloropropane
 Concen: 97.735 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

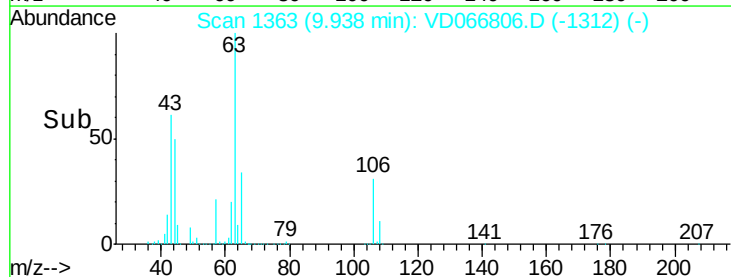
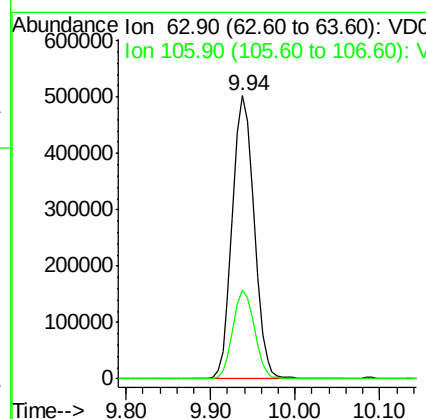
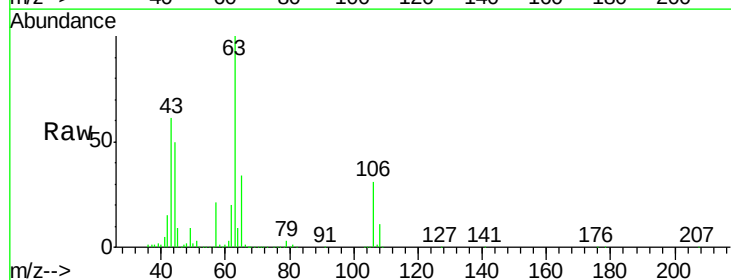
Manual Integrations
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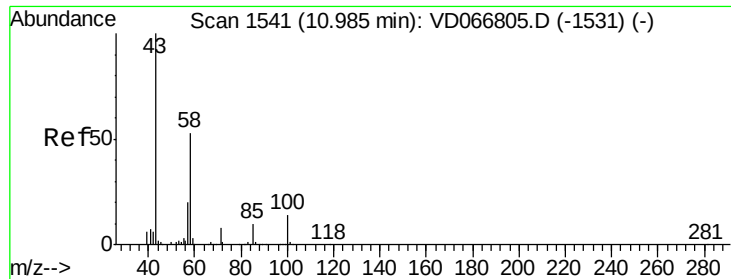
MMDadoda
 9/23/2020 1:05:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 529.454 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.8	35.6





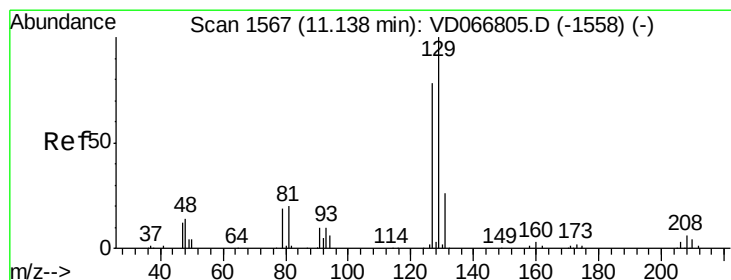
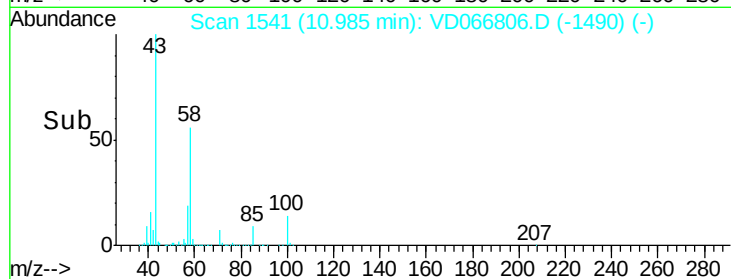
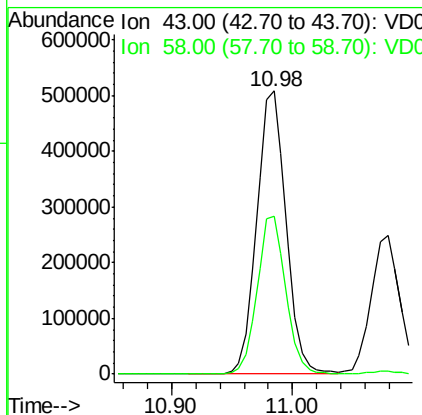
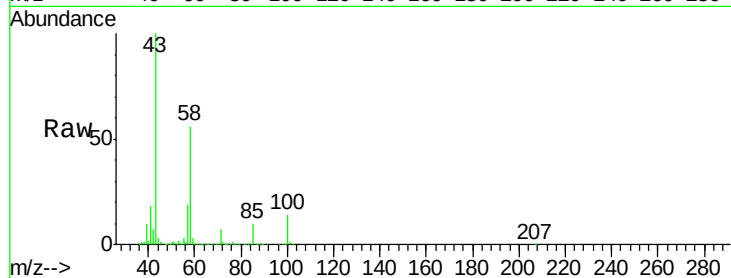
#59
2-Hexanone
Concen: 506.533 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 863760
Ion Ratio Lower Upper
43 100
58 54.7 27.0 80.8

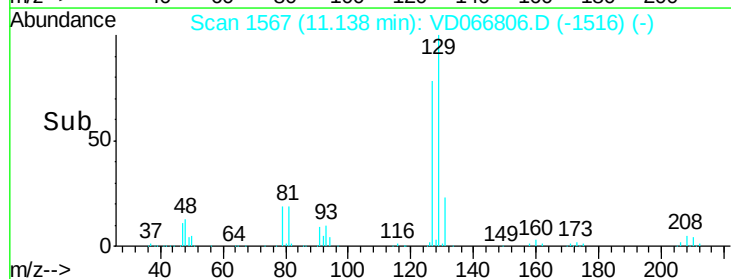
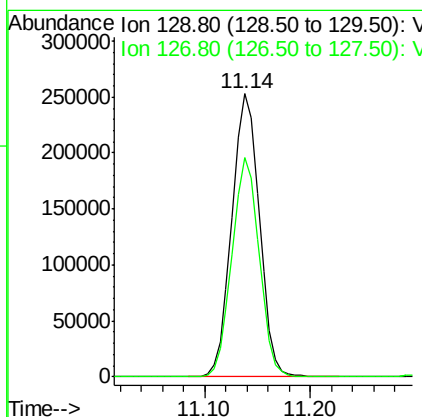
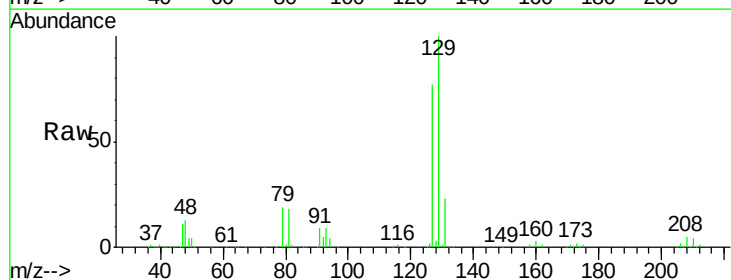
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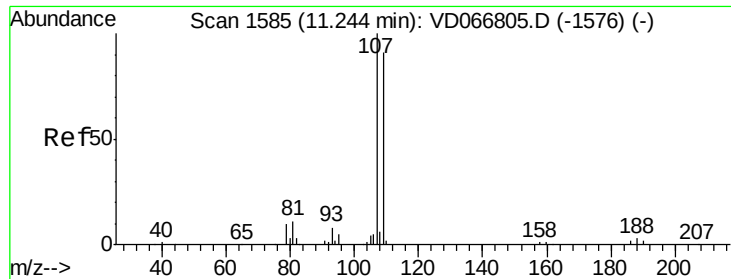
MMDadoda
9/23/2020 1:05:01 PM



#60
Dibromochloromethane
Concen: 103.369 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion: 129 Resp: 455996
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 102.441 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 332867

Ion Ratio Lower Upper

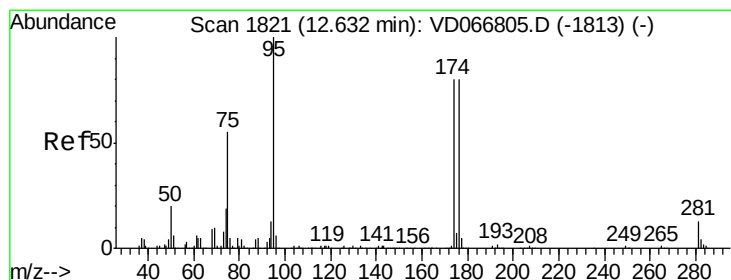
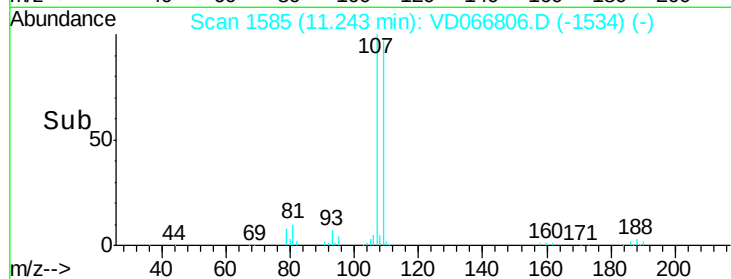
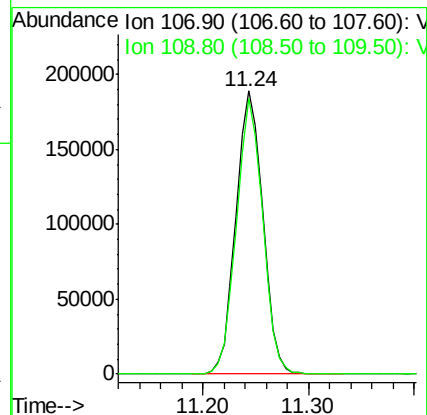
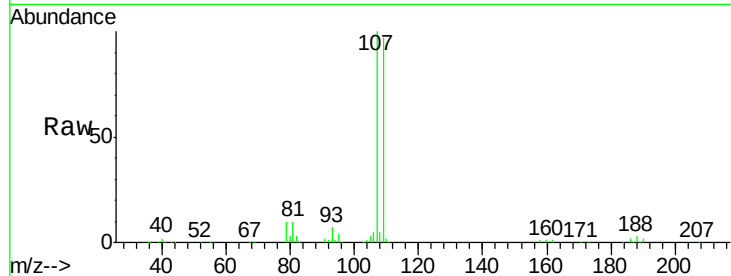
107 100

109 95.0 75.0 112.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 100.618 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

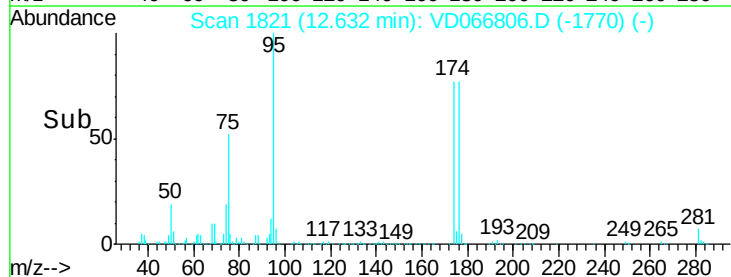
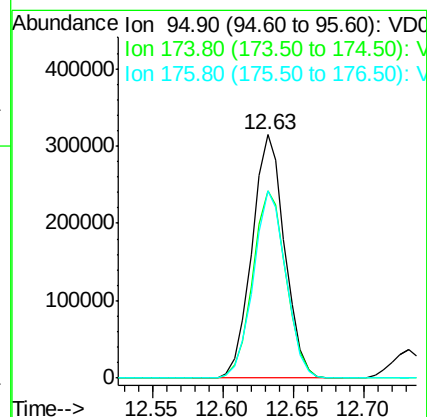
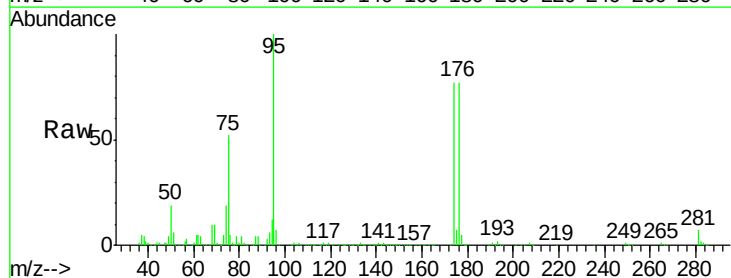
Tgt Ion: 95 Resp: 511202

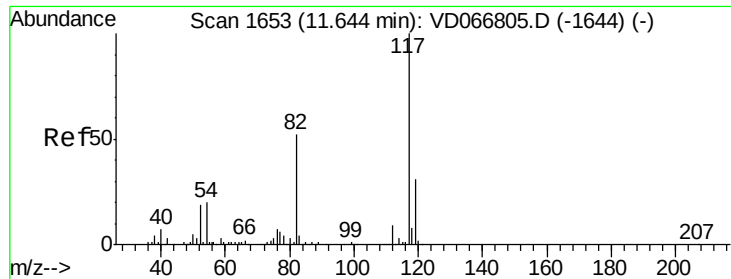
Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.8

176 76.6 0.0 154.4





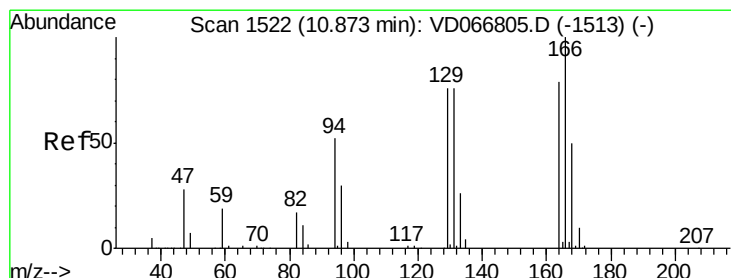
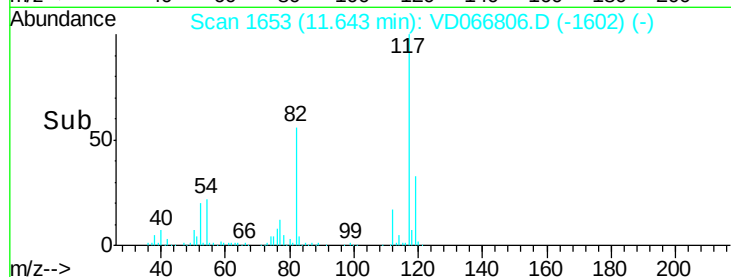
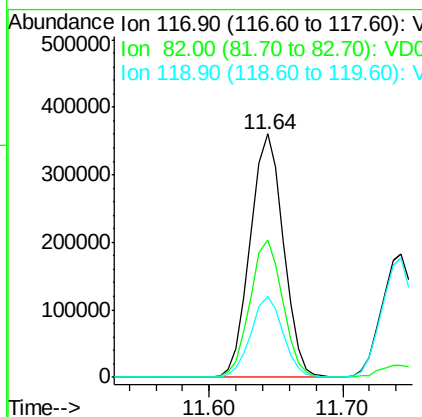
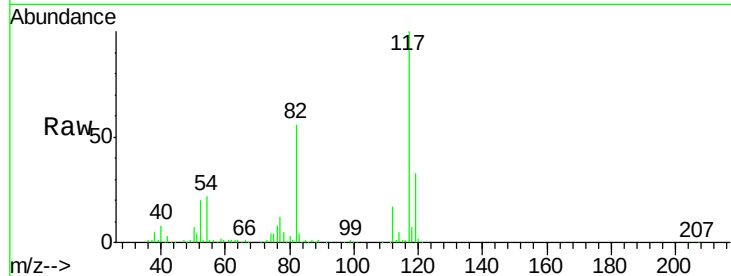
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	618591		
82	56.5	41.8	62.6	
119	33.4	24.6	37.0	

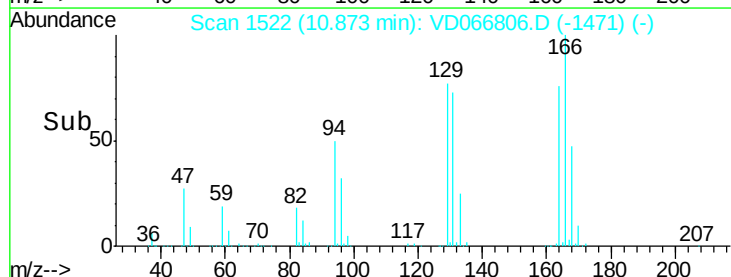
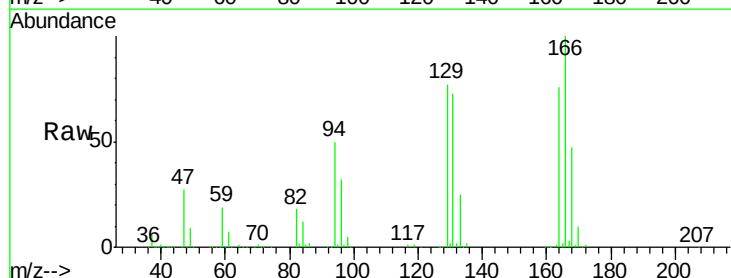
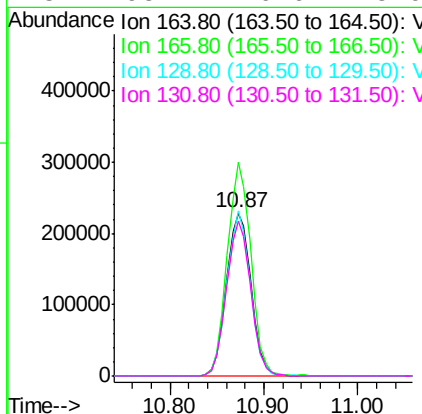
Manual Integrations
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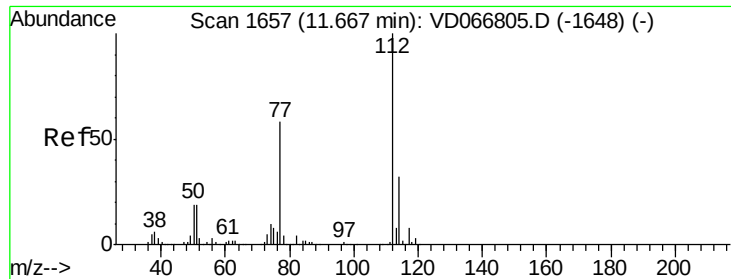
MMDadoda
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#64
Tetrachloroethene
Concen: 97.535 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	414851		
166	131.0	101.1	151.7	
129	101.2	77.0	115.4	
131	95.2	76.6	115.0	





#65

Chlorobenzene

Concen: 97.746 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1248927

Ion Ratio Lower Upper

112 100

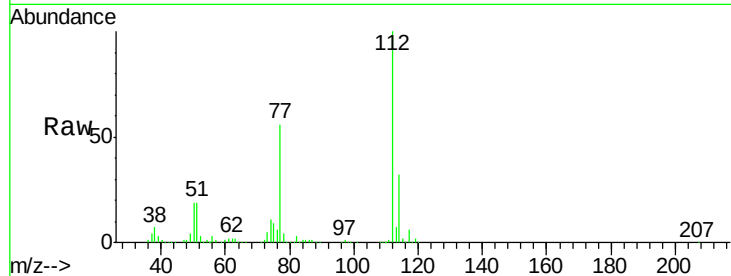
114 31.6 25.4 38.2

Manual Integrations

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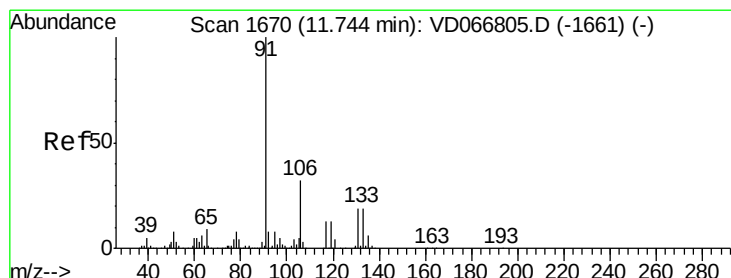
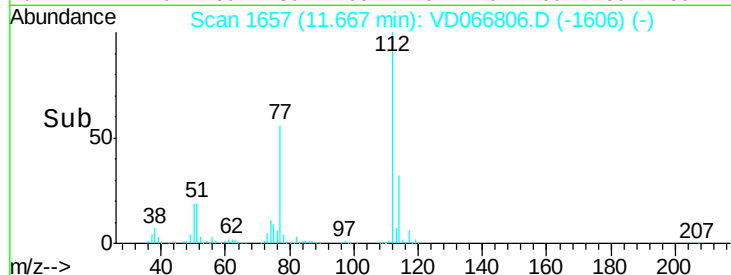
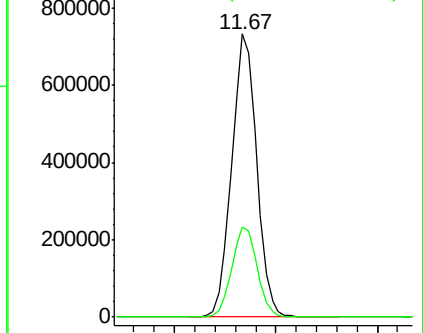
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 100.018 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

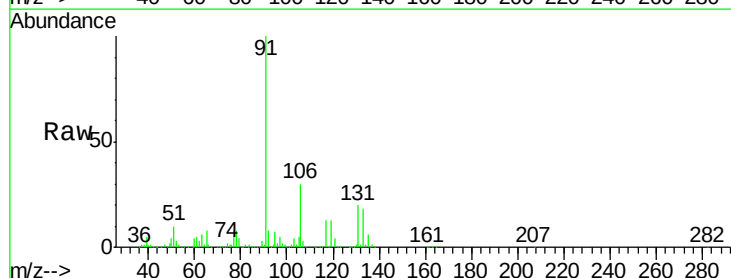
Tgt Ion:131 Resp: 475548

Ion Ratio Lower Upper

131 100

133 94.9 46.7 140.1

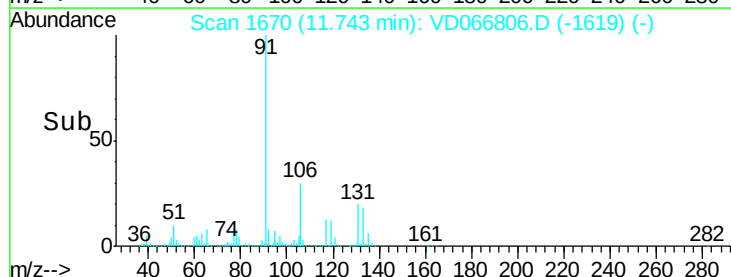
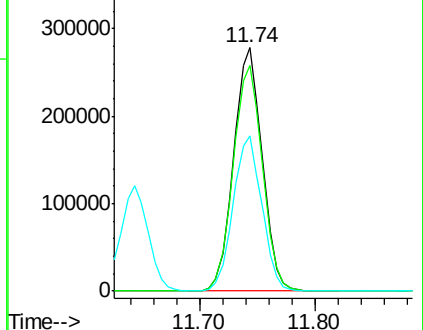
119 64.3 32.3 96.9

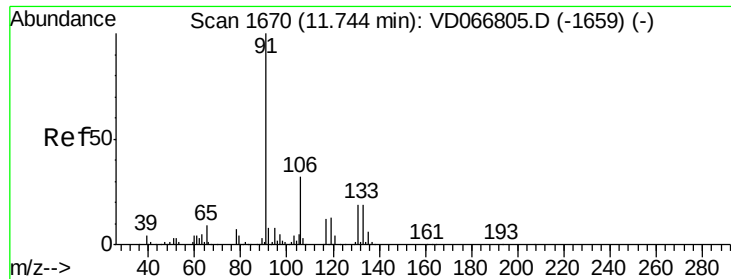


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





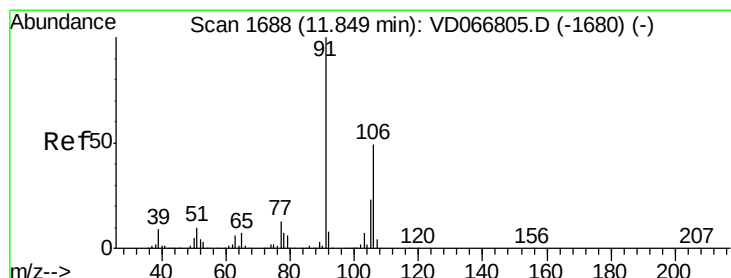
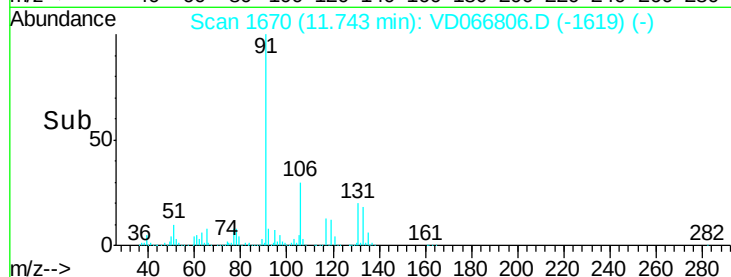
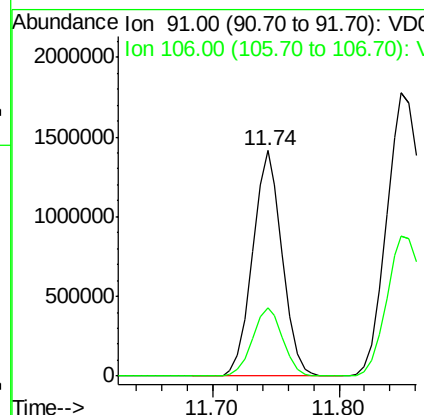
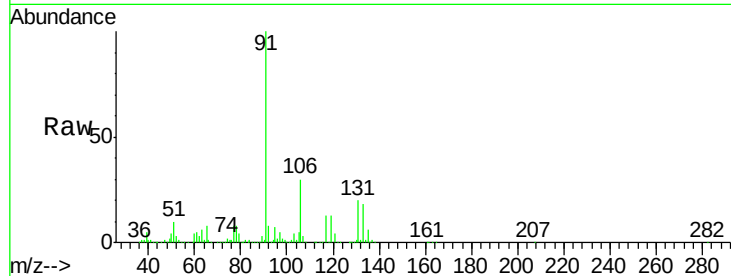
#67
Ethyl Benzene
Concen: 99.016 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2284963
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4

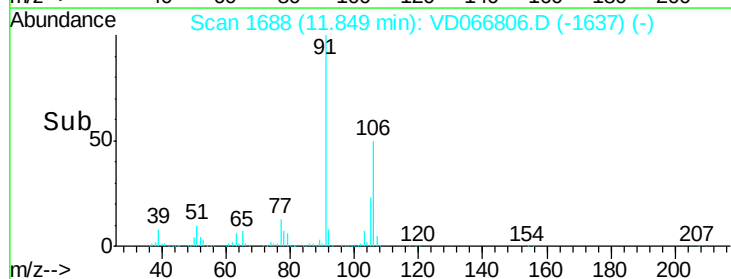
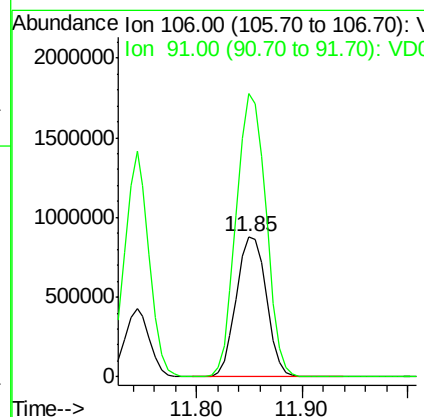
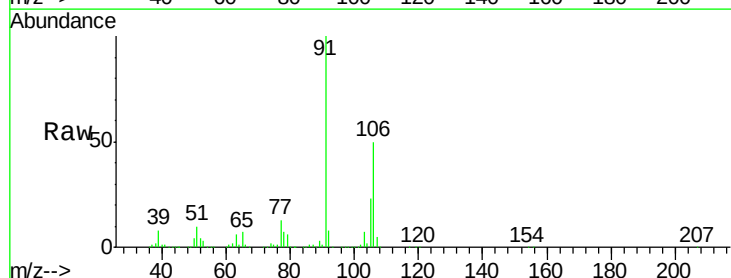
Manual Integrations
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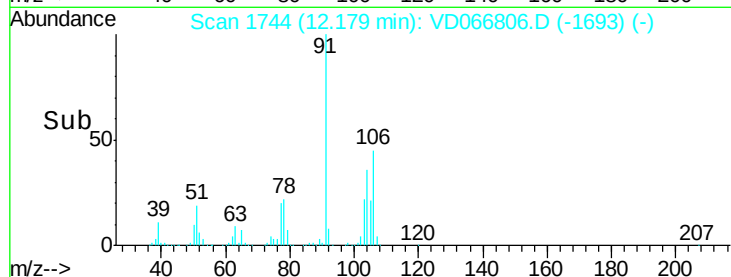
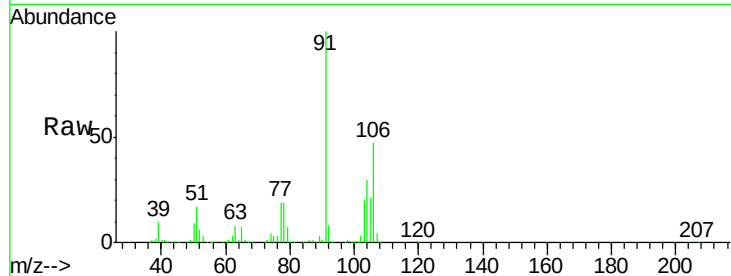
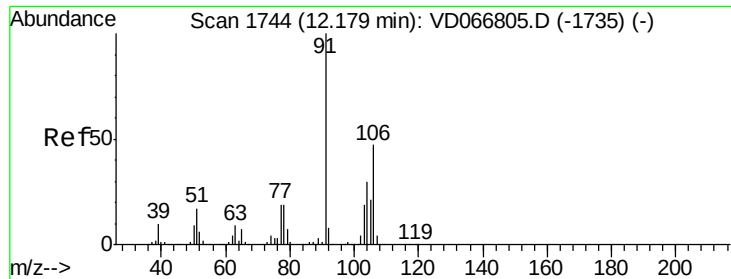
MMDadoda
9/23/2020 1:05:01 PM



#68
m/p-Xylenes
Concen: 198.117 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion: 106 Resp: 1732621
Ion Ratio Lower Upper
106 100
91 200.5 160.7 241.1





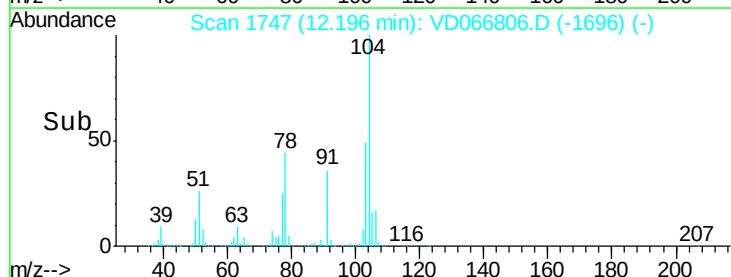
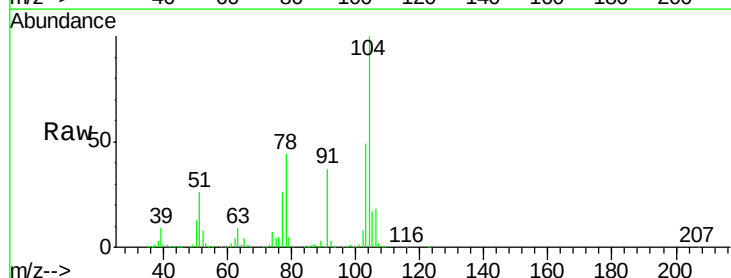
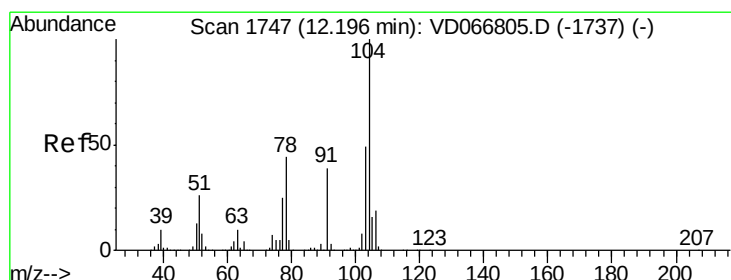
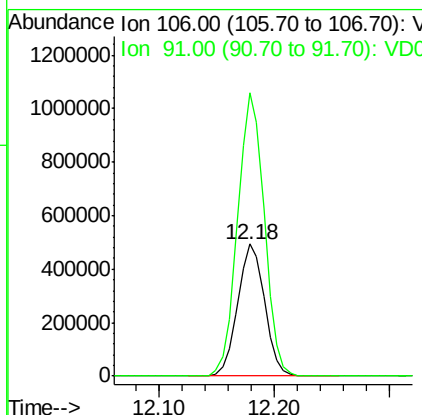
#69
o-Xylene
Concen: 102.836 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	797158		
91	91	212.2	106.3	318.8	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

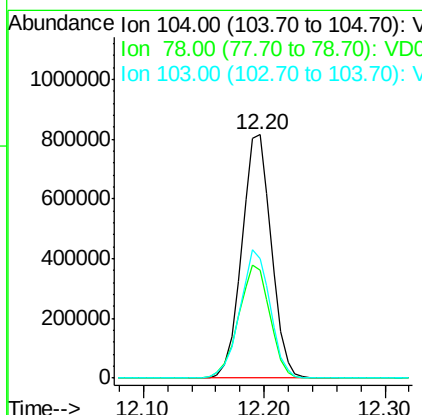
Manual Integrations
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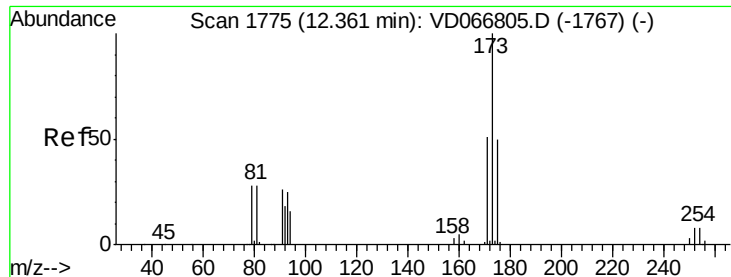
MMDadoda
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#70
Styrene
Concen: 101.914 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1387036		
78	78	49.2	38.9	58.3	
103	103	54.1	43.2	64.8	





#71

Bromoform

Concen: 103.496 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 247746

Ion Ratio Lower Upper

173 100

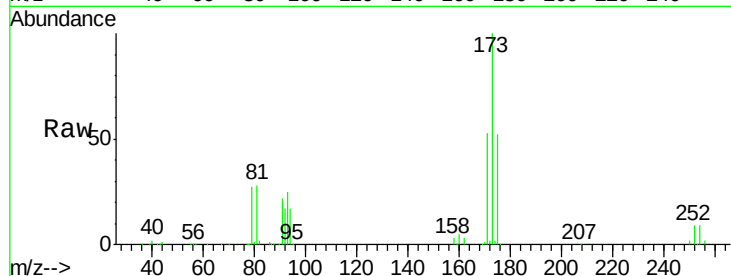
175 49.1 24.9 74.6

254 0.0 0.1 0.1#

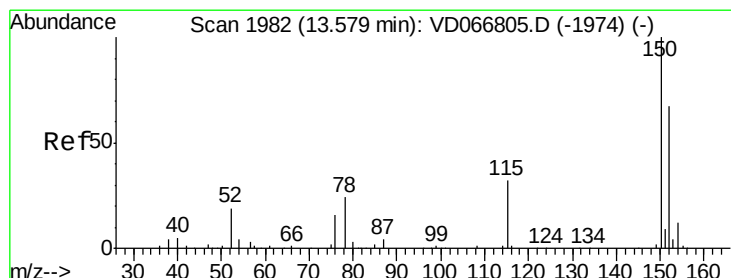
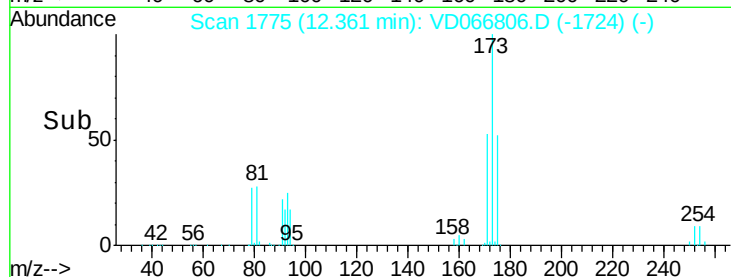
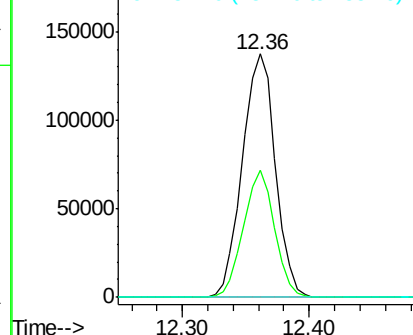
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

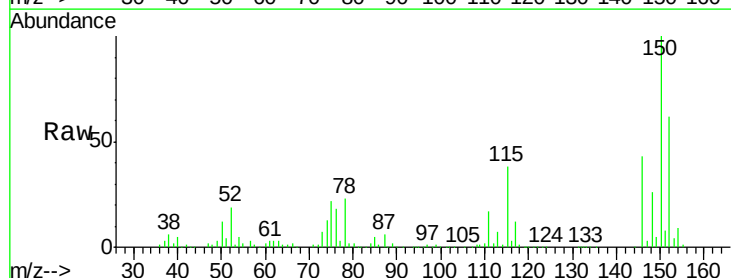
Tgt Ion:152 Resp: 297748

Ion Ratio Lower Upper

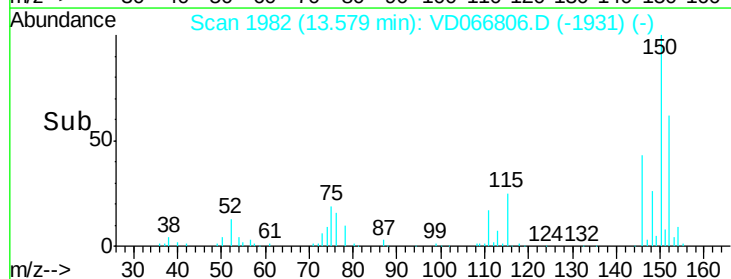
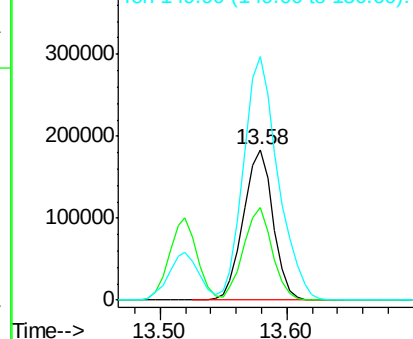
152 100

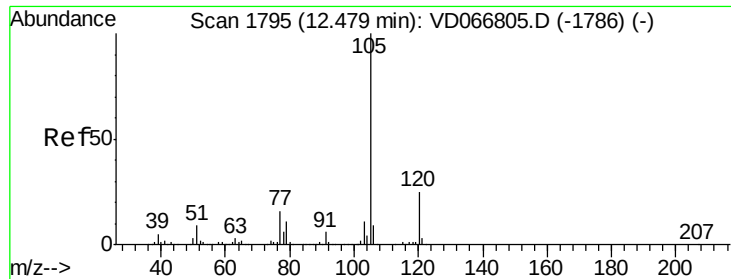
115 59.4 30.3 91.0

150 187.9 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: 97.911 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2167991

Ion Ratio Lower Upper

105 100

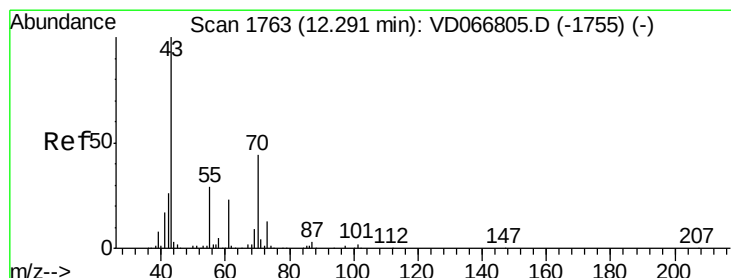
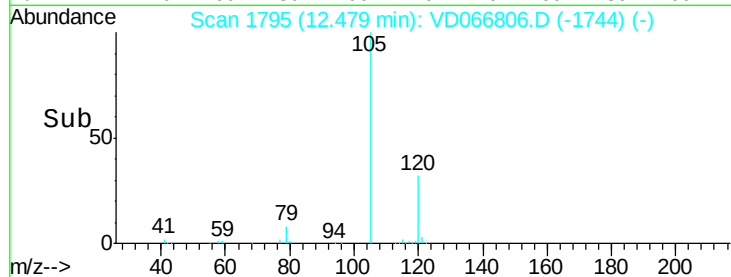
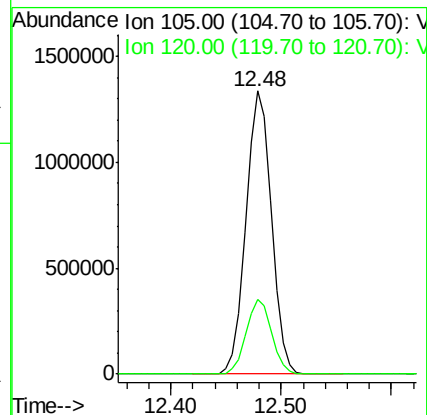
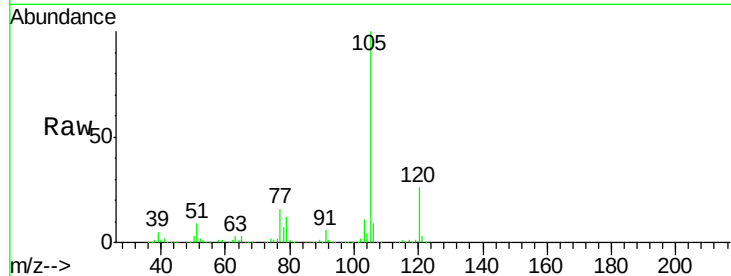
120 26.3 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 97.498 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion: 43 Resp: 453498

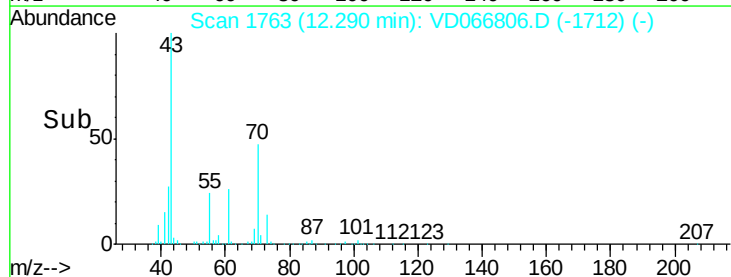
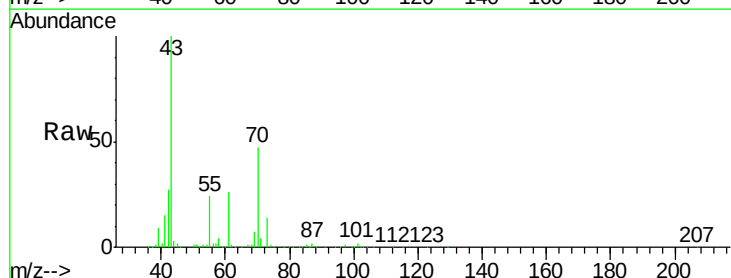
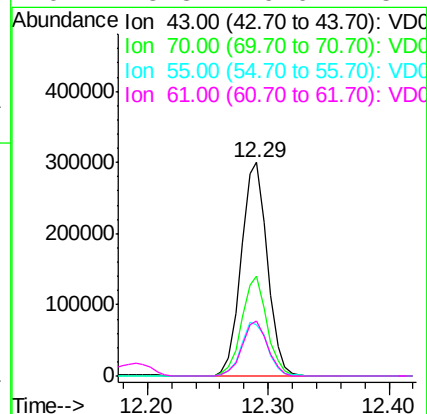
Ion Ratio Lower Upper

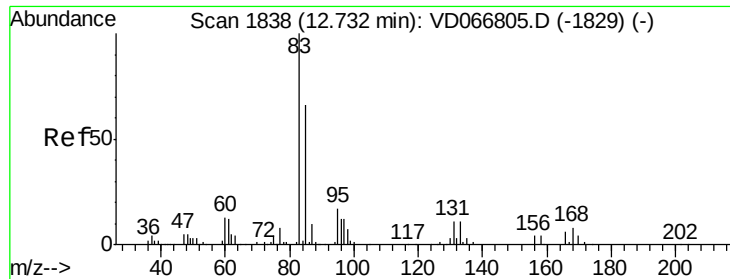
43 100

70 45.1 36.1 54.1

55 25.7 21.8 32.8

61 25.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 95.627 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 363796
Ion Ratio Lower Upper

83 100

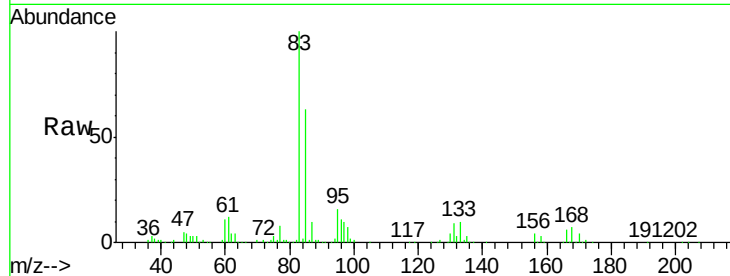
131 10.6 5.5 16.7

85 64.2 32.1 96.5

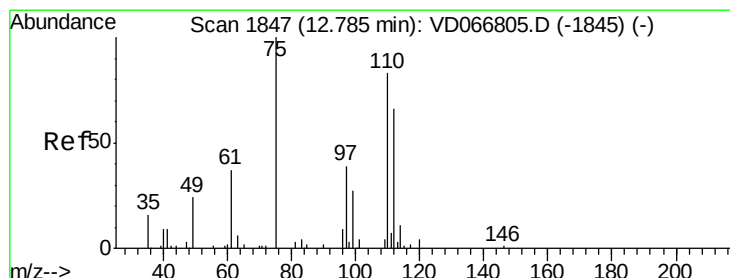
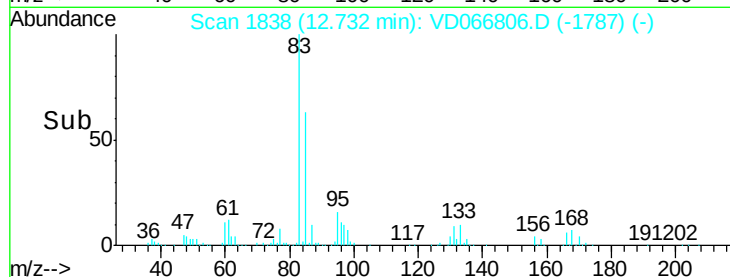
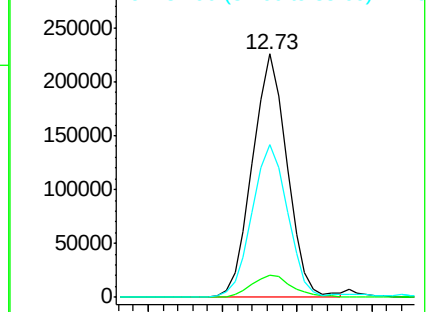
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 91.998 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

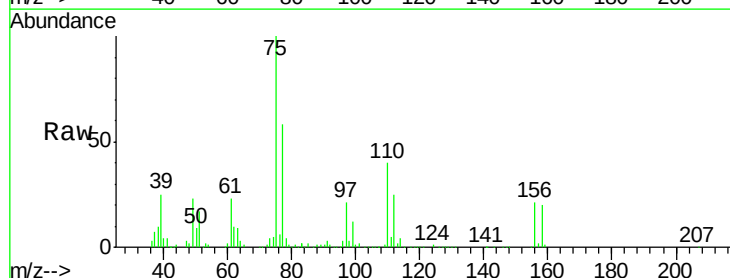
Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

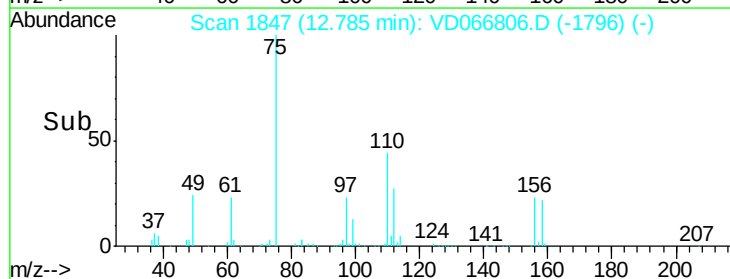
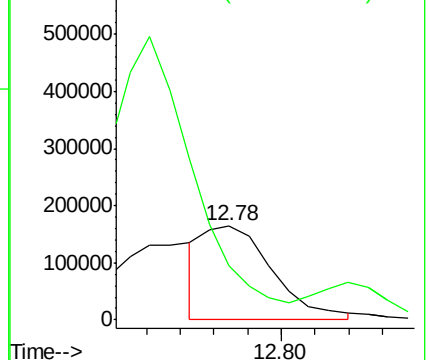
Tgt Ion: 75 Resp: 235814
Ion Ratio Lower Upper

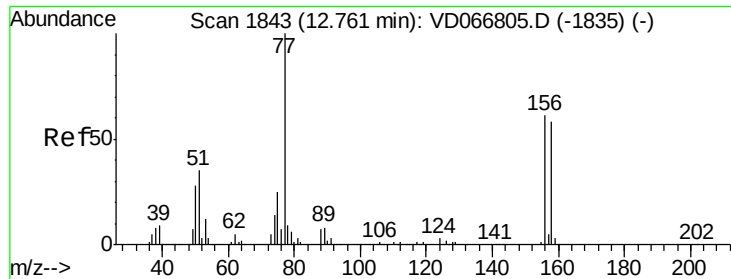
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 95.399 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

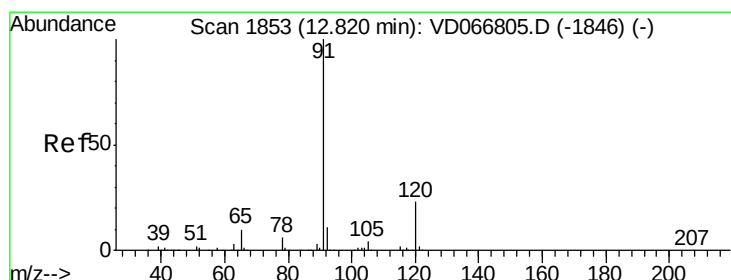
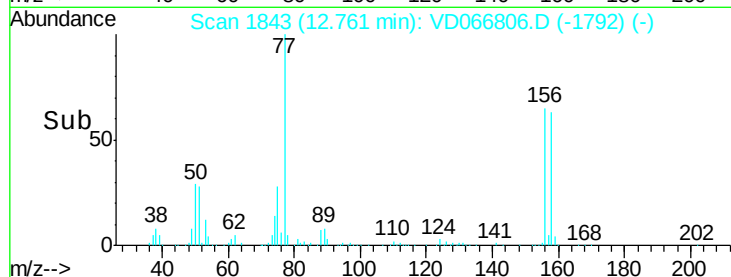
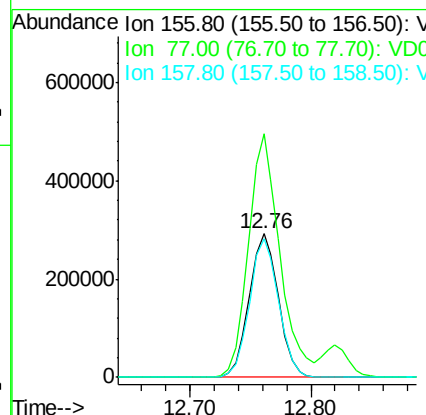
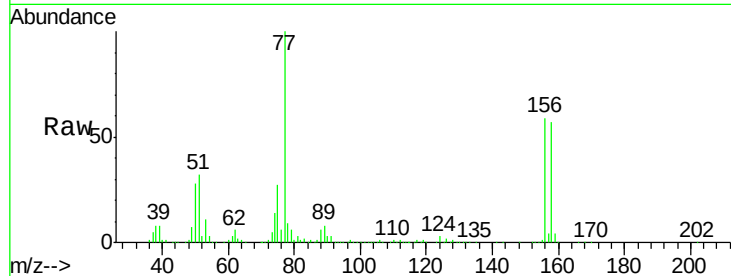
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	182.9	92.3	276.9		
158	96.0	47.6	142.9		

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#78

n-propylbenzene

Concen: 95.159 ug/l

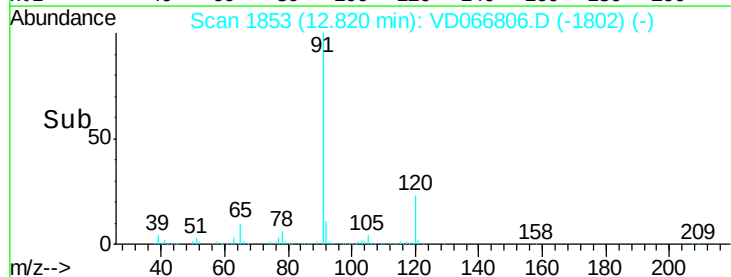
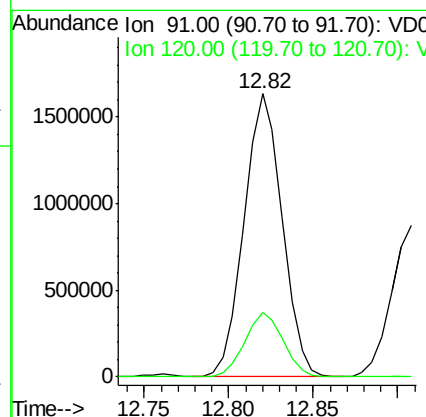
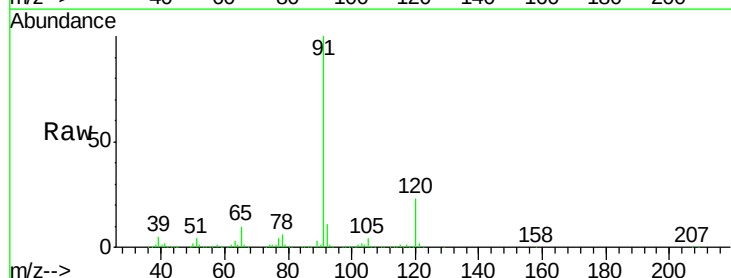
RT: 12.82 min Scan# 1853

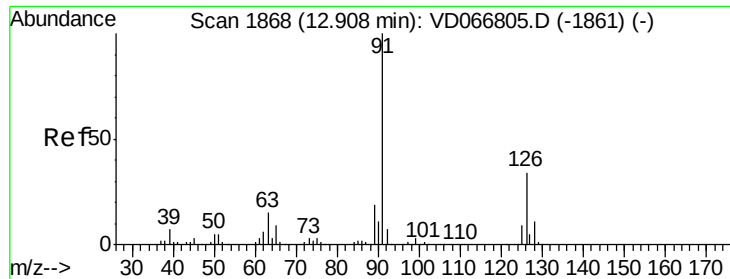
Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.9	11.4	34.2		





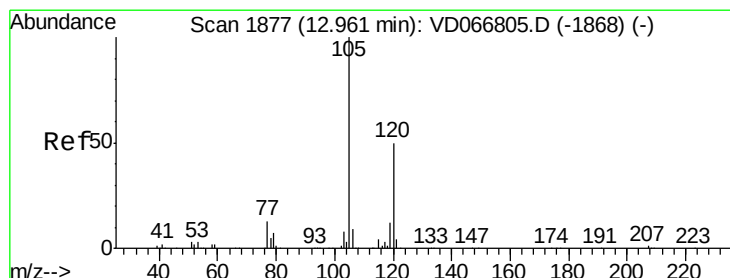
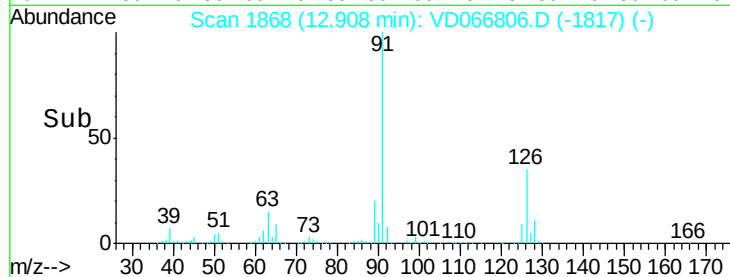
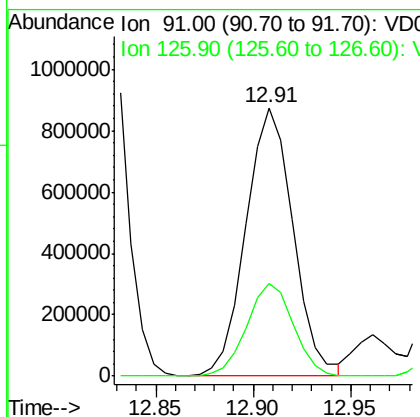
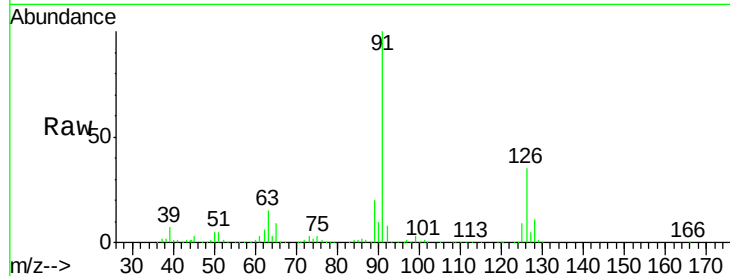
#79
2-Chlorotoluene
Concen: 96.047 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 1461941
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0

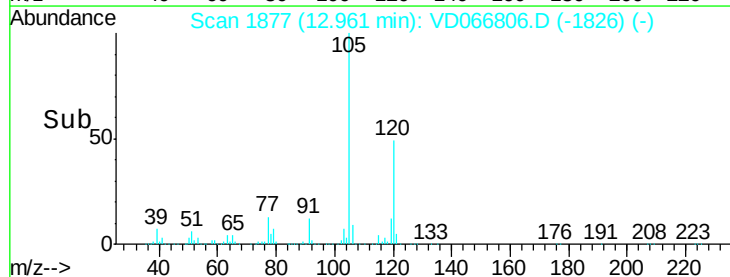
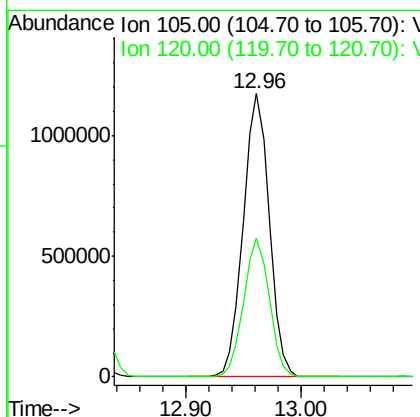
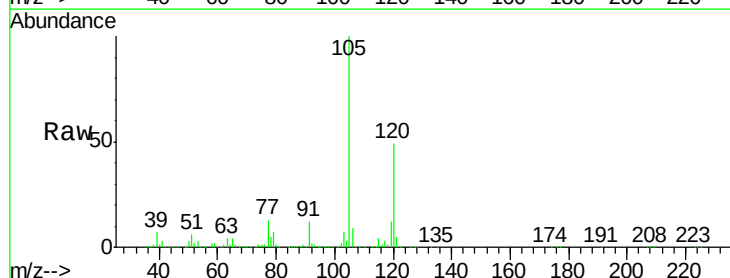
Manual Integrations
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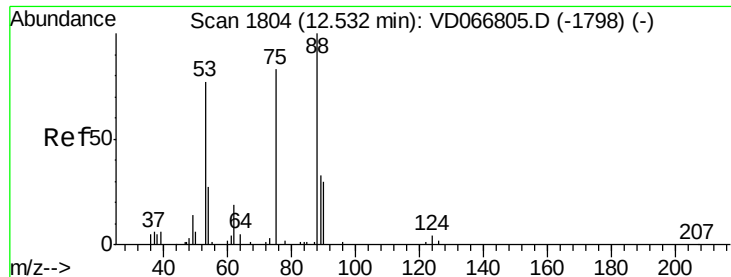
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 98.130 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion:105 Resp: 1834603
Ion Ratio Lower Upper
105 100
120 48.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 92.431 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 107742

Ion Ratio Lower Upper

75 100

53 94.9 78.5 117.7

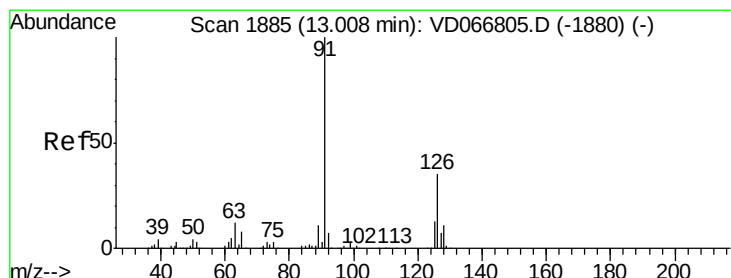
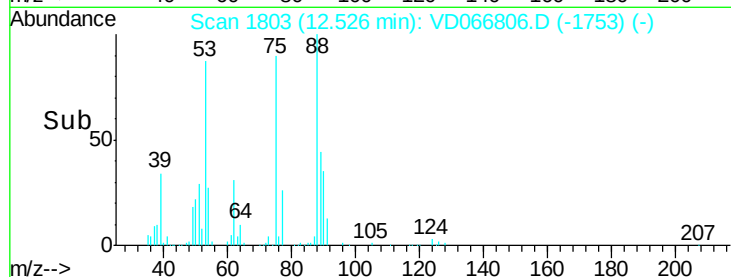
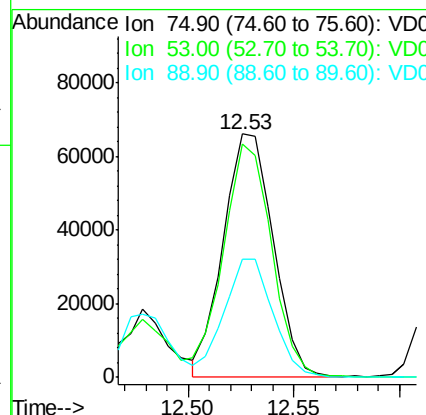
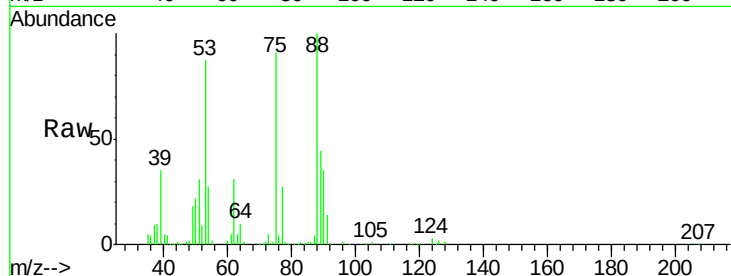
89 47.9 38.1 57.1

Manual Integrations

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#82

4-Chlorotoluene

Concen: 93.329 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066806.D

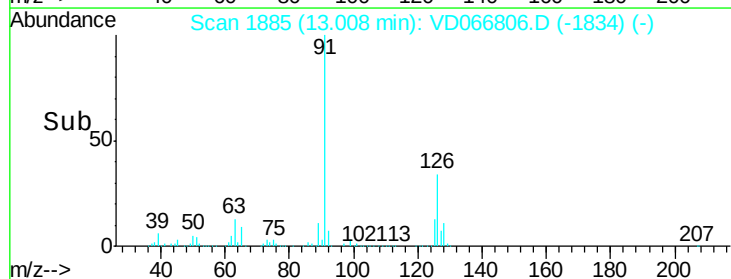
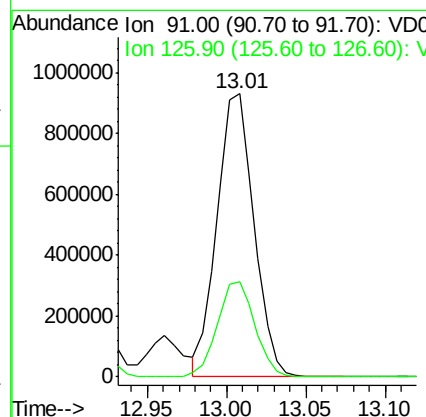
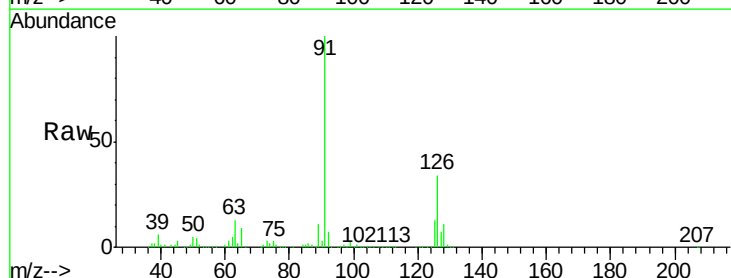
Acq: 22 Sep 2020 12:38

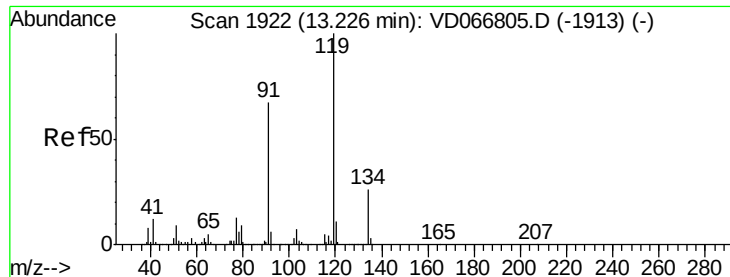
Tgt Ion: 91 Resp: 1506329

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2





#83

tert-Butylbenzene

Concen: 99.560 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1537691

Ion Ratio Lower Upper

119 100

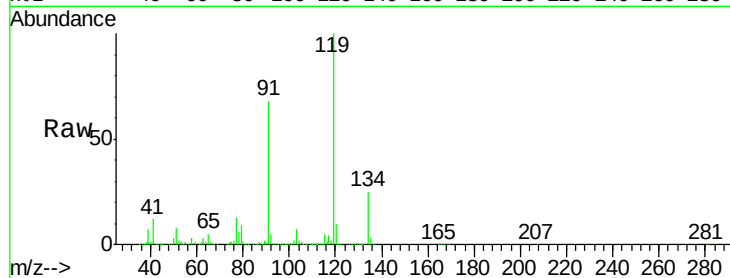
91 67.2 33.6 100.8

134 26.7 13.5 40.4

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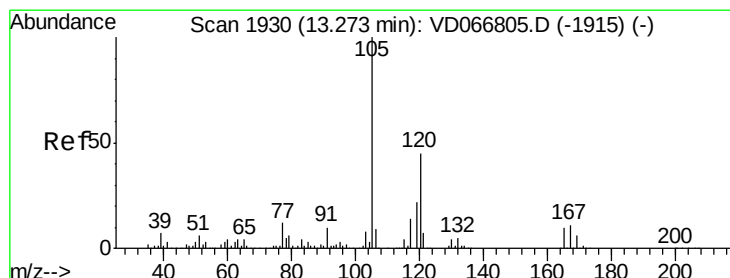
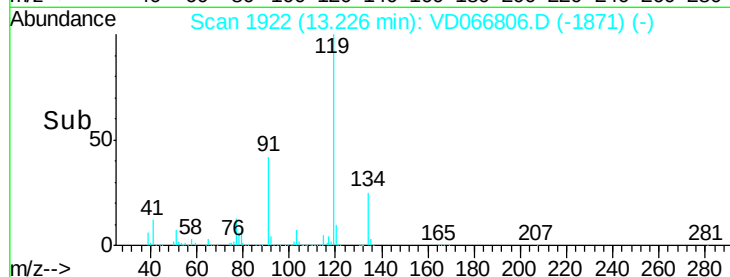
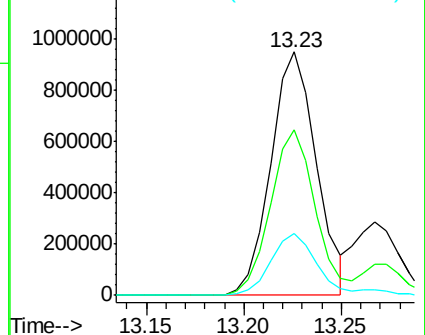
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 97.750 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066806.D

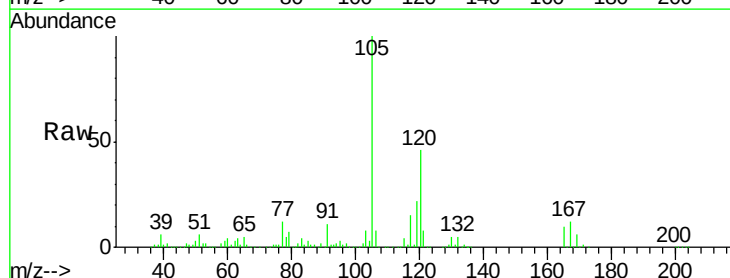
Acq: 22 Sep 2020 12:38

Tgt Ion:105 Resp: 1827269

Ion Ratio Lower Upper

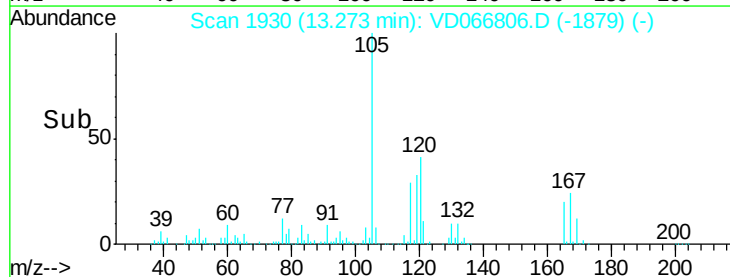
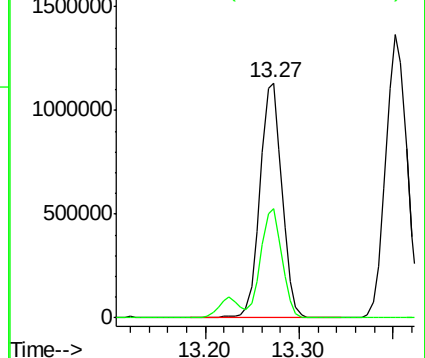
105 100

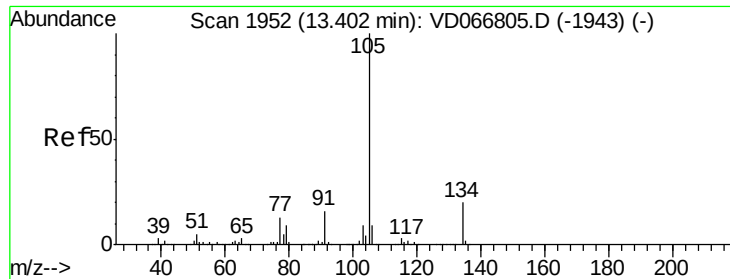
120 44.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 96.858 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2140175

Ion Ratio Lower Upper

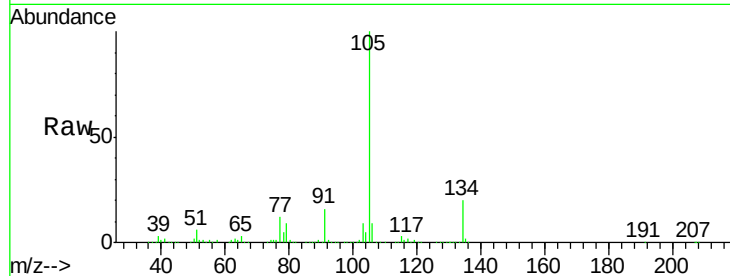
105 100

134 20.2 10.2 30.6

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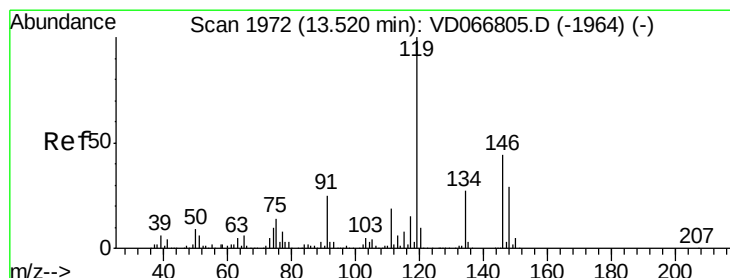
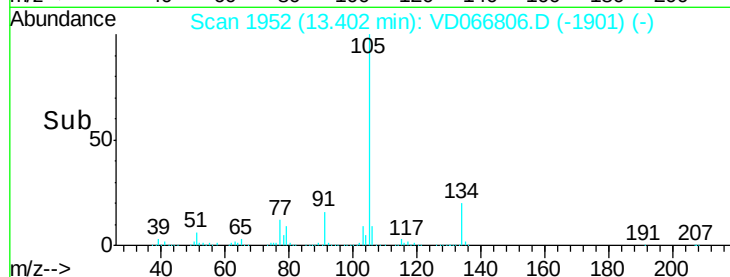
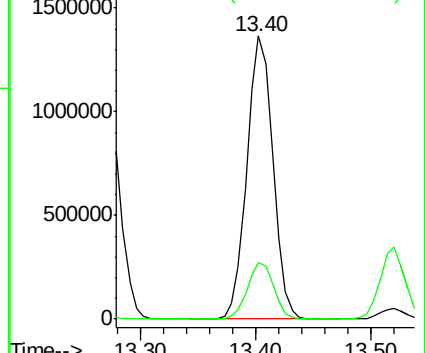
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 98.911 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

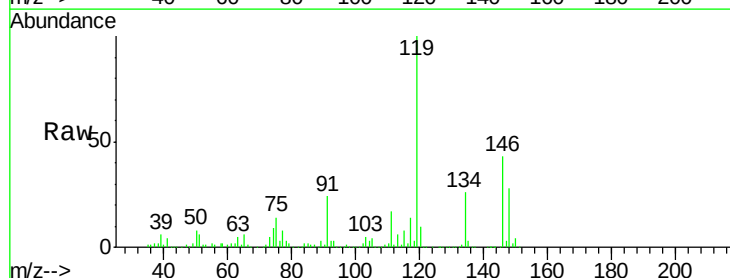
Tgt Ion:119 Resp: 1985620

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

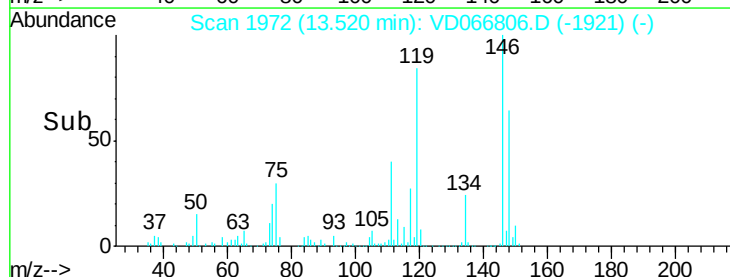
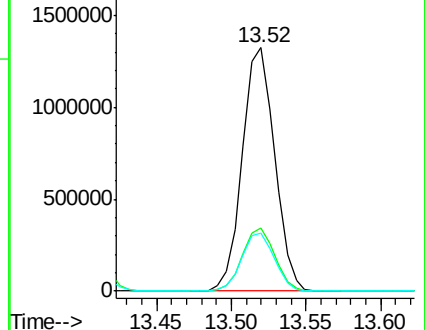
91 24.2 12.0 36.1

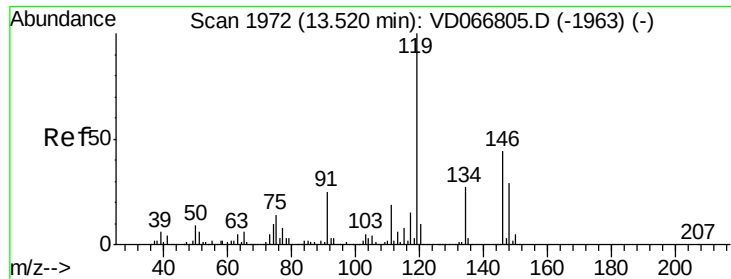


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





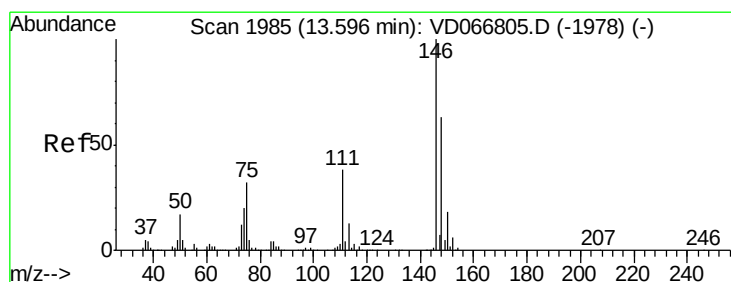
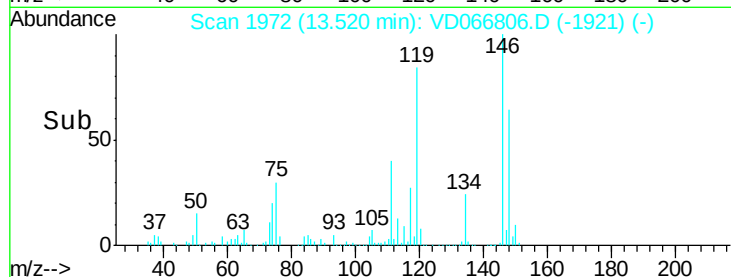
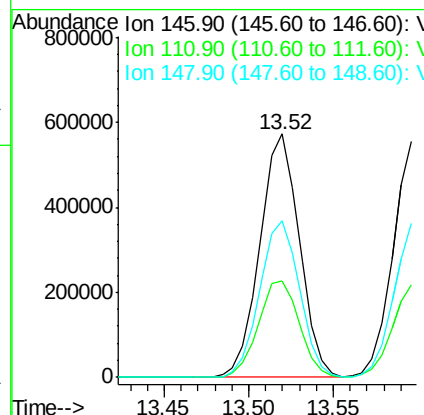
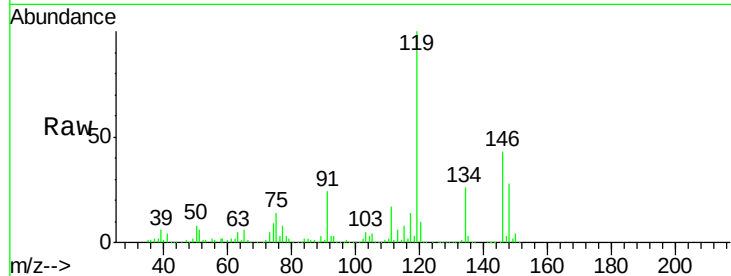
#87
 1,3-Dichlorobenzene
 Concen: 94.886 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	933972		
111	41.0	20.3	60.9	
148	64.8	31.9	95.5	

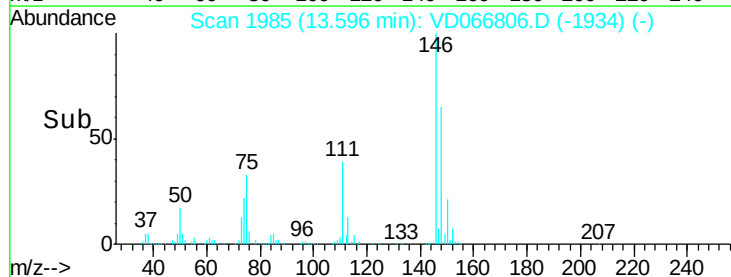
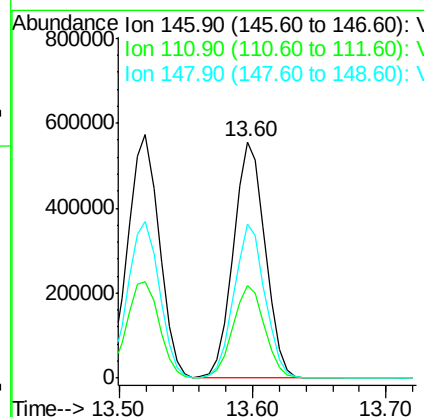
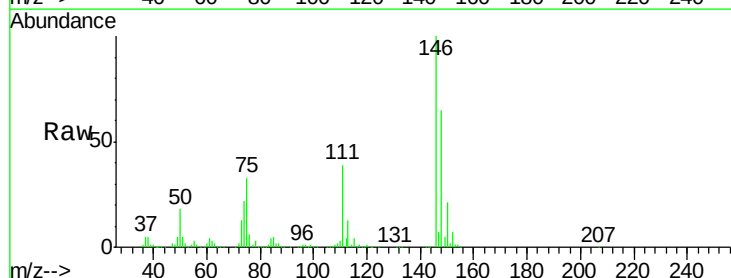
Manual Integrations
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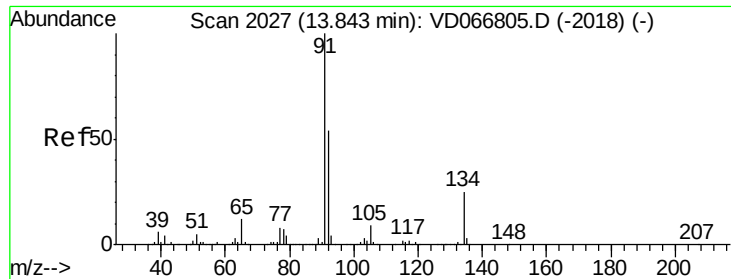
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#88
 1,4-Dichlorobenzene
 Concen: 93.940 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	921613		
111	39.2	20.2	60.5	
148	63.6	31.6	94.7	





#89

n-Butylbenzene

Concen: 98.741 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.00 min

Lab File: VD066806.D

Acq: 22 Sep 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1877710

Ion Ratio Lower Upper

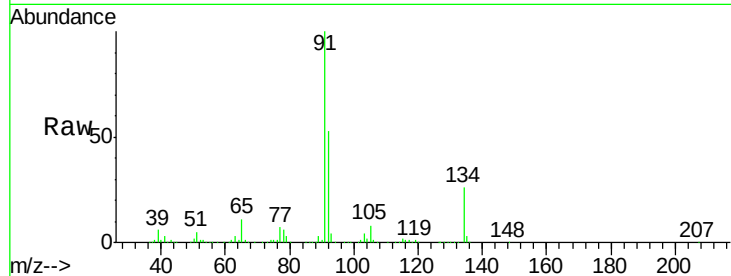
91 100

92 53.2 26.7 80.0

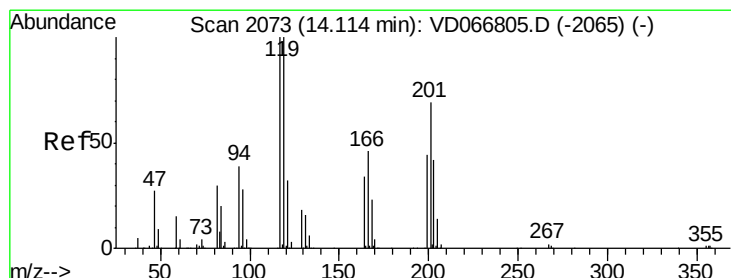
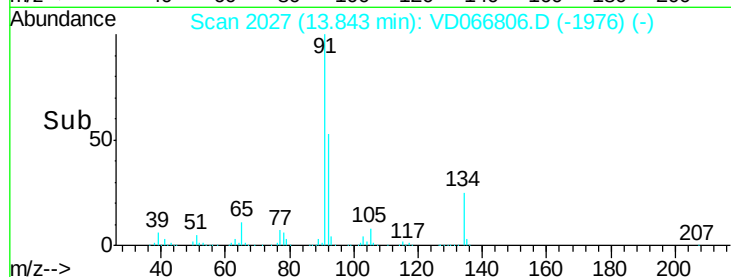
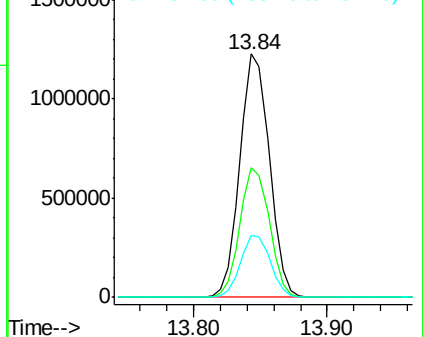
134 25.9 13.1 39.1

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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 94.167 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VD066806.D

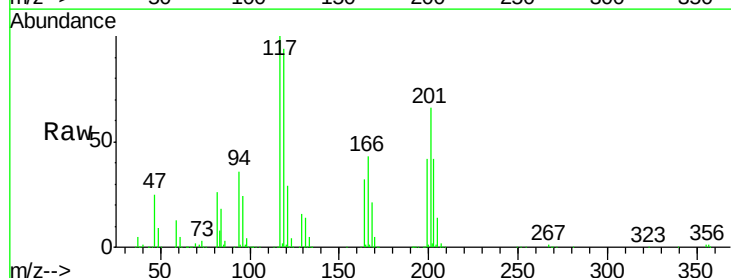
Acq: 22 Sep 2020 12:38

Tgt Ion: 117 Resp: 386553

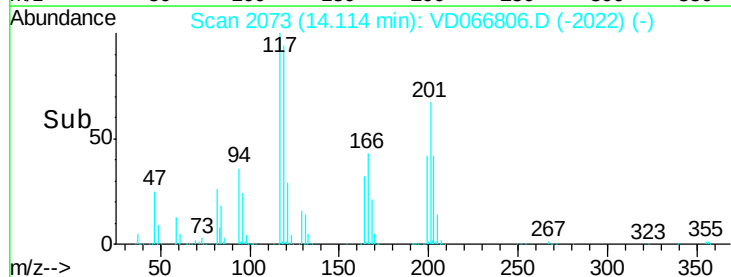
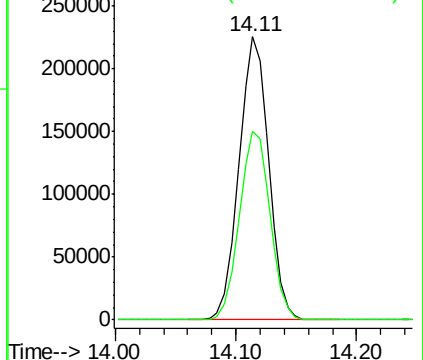
Ion Ratio Lower Upper

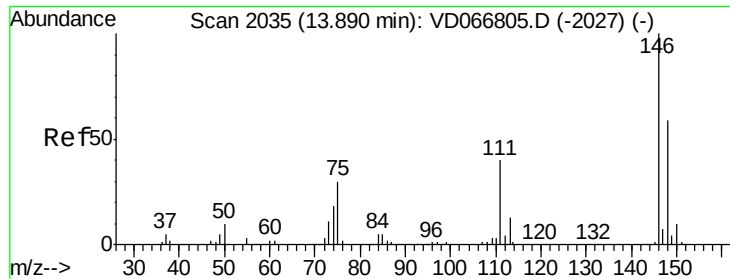
117 100

201 68.6 33.7 101.0



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC





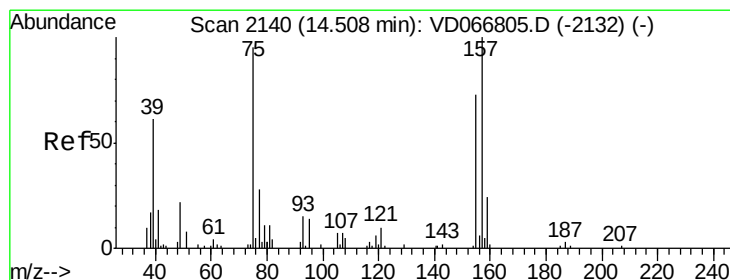
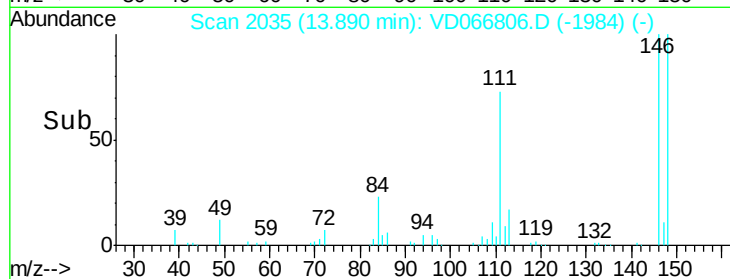
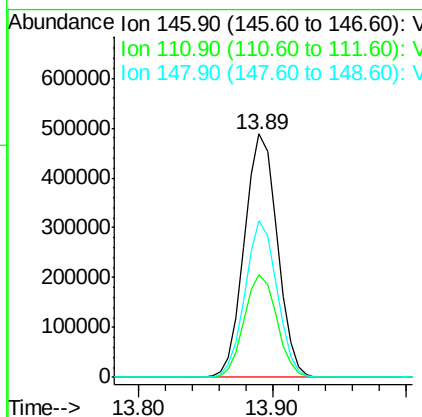
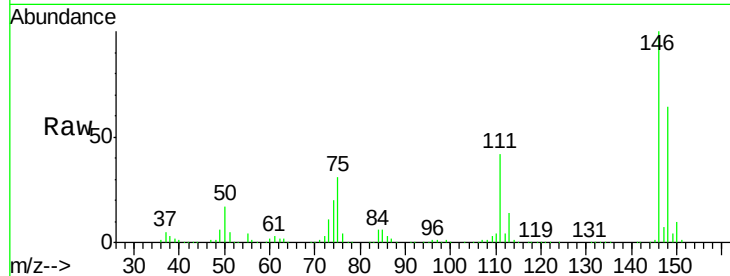
#91
 1,2-Dichlorobenzene
 Concen: 98.282 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.7
148	62.4	31.8	95.3

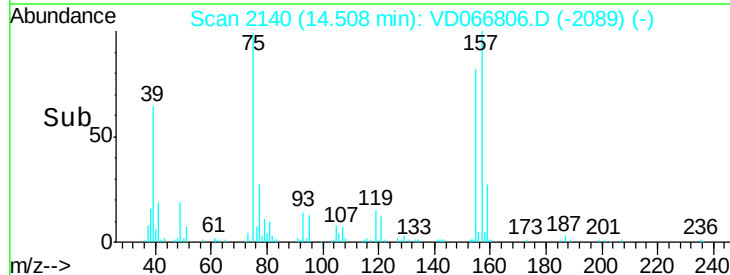
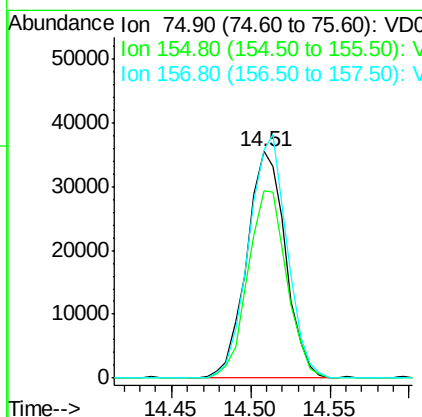
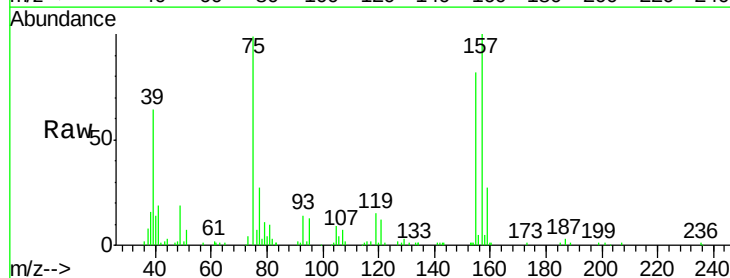
Manual Integrations
 APPROVED

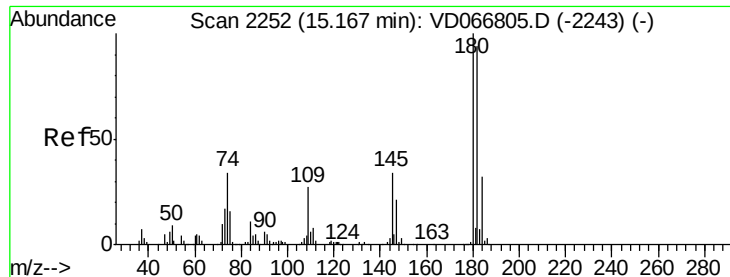
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.174 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	40.4	121.2
157	106.3	51.3	153.9





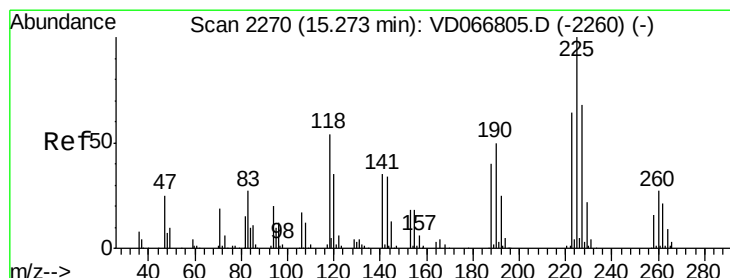
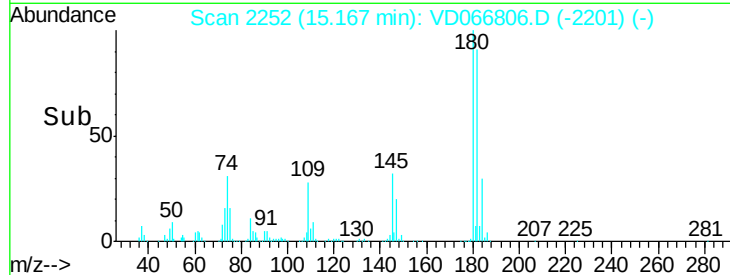
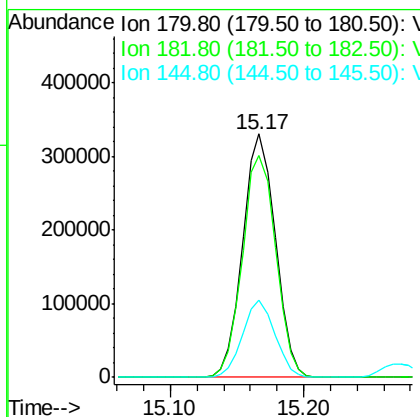
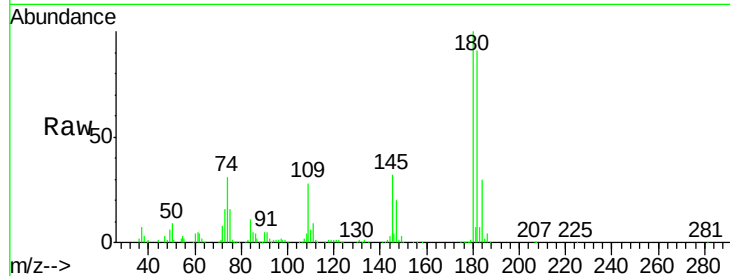
#93
 1,2,4-Trichlorobenzene
 Concen: 109.343 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.4	48.8	146.3	
145	31.5	16.7	50.0	

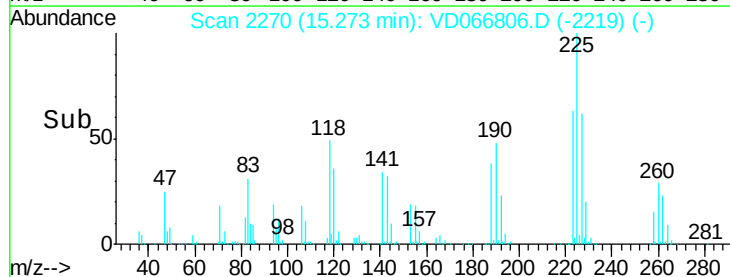
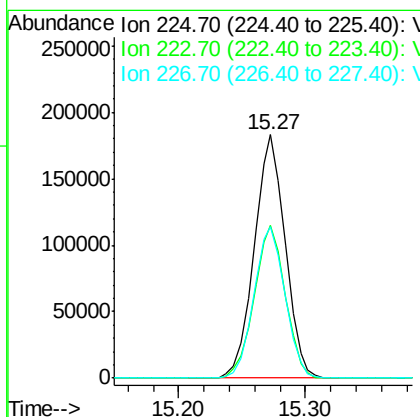
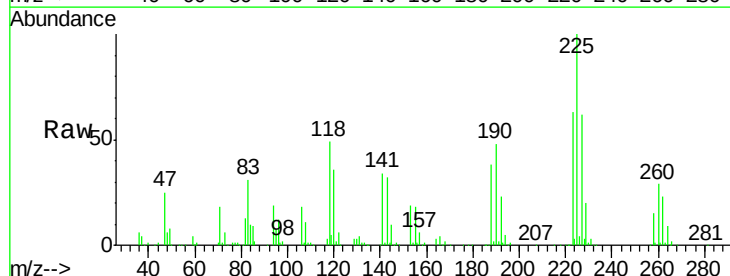
Manual Integrations
 APPROVED

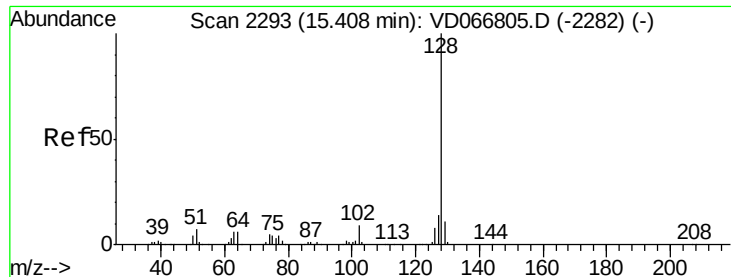
MMDadoda
 9/23/2020 1:05:01 PM



#94
 Hexachlorobutadiene
 Concen: 100.816 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066806.D
 Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.3	
227	62.4	31.7	95.1	





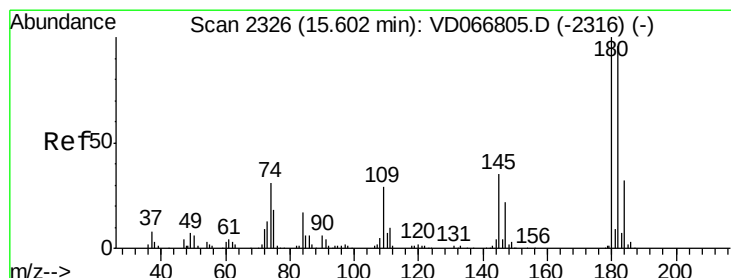
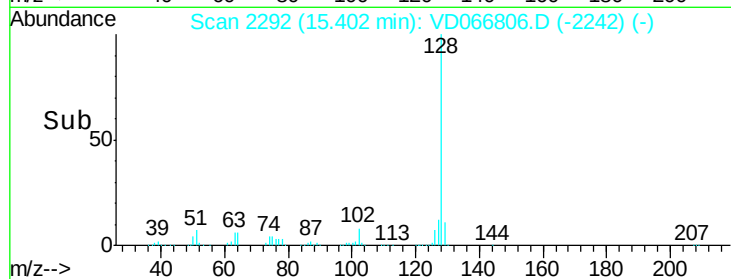
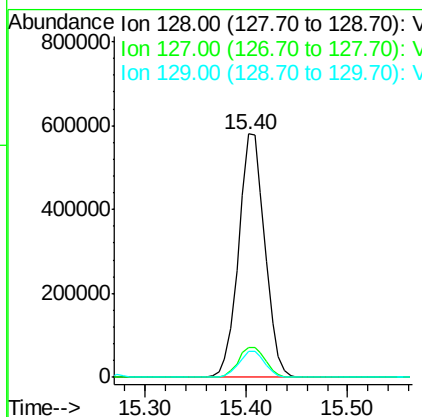
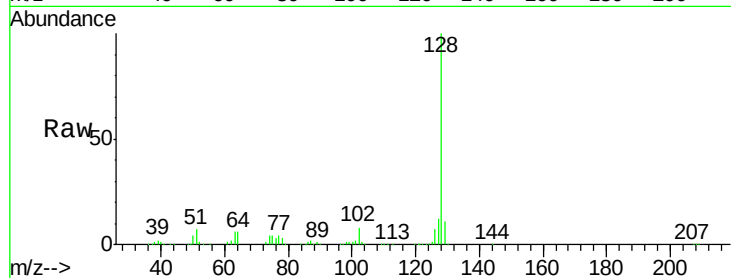
#95
Naphthalene
Concen: 115.459 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 105.176 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066806.D
Acq: 22 Sep 2020 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.3
145	34.4	17.0	51.0

