

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066843.D
 Acq On : 24 Sep 2020 11:35
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:02 PM

Quant Time: Sep 25 01:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	639680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	275937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179479	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	7.91	113	187579	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	10.34	98	681334	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.63	95	231727	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74618	23.235	ug/l	88
3) Chloromethane	2.21	50	75721	20.292	ug/l	97
4) Vinyl Chloride	2.35	62	72761	19.737	ug/l	90
5) Bromomethane	2.76	94	51188	19.755	ug/l	100
6) Chloroethane	2.92	64	43717	19.096	ug/l #	74
7) Trichlorofluoromethane	3.27	101	152081	20.087	ug/l	100
8) Diethyl Ether	3.70	74	35900	18.678	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	85448	19.464	ug/l	100
10) Methyl Iodide	4.30	142	79836	20.608	ug/l	97
11) Tert butyl alcohol	5.21	59	24733	68.233	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	79961	20.106	ug/l	98
13) Acrolein	3.92	56	25444	86.769	ug/l	93
14) Allyl chloride	4.71	41	111308	19.060	ug/l	98
15) Acrylonitrile	5.43	53	78729	92.428	ug/l	97
16) Acetone	4.15	43	68565	81.311	ug/l #	85
17) Carbon Disulfide	4.41	76	240076	19.745	ug/l	97
18) Methyl Acetate	4.71	43	34881	16.077	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	157482	18.234	ug/l	91
20) Methylene Chloride	4.97	84	100482	18.400	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	92184	20.019	ug/l	96
22) Diisopropyl ether	6.36	45	228614	19.040	ug/l	99
23) Vinyl Acetate	6.31	43	548154	85.858	ug/l	98
24) 1,1-Dichloroethane	6.27	63	156104	19.434	ug/l	96
25) 2-Butanone	7.21	43	89047	87.874	ug/l	96
26) 2,2-Dichloropropane	7.21	77	140397	19.070	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93773	18.742	ug/l	95
28) Bromochloromethane	7.54	49	63063	19.004	ug/l #	98
29) Tetrahydrofuran	7.56	42	59255	91.259	ug/l	98
30) Chloroform	7.71	83	167154	19.305	ug/l	99
31) Cyclohexane	7.98	56	140762	19.475	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	150527	19.218	ug/l	98
36) 1,1-Dichloropropene	8.11	75	127758	20.132	ug/l	99
37) Ethyl Acetate	7.30	43	44308	19.313	ug/l #	92
38) Carbon Tetrachloride	8.09	117	138292	19.932	ug/l #	97

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MMDadoda
 9/25/2020 4:00:02 PM

Quant Time: Sep 25 01:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143668	19.718	ug/l	97
40) Benzene	8.35	78	356782	20.172	ug/l	95
41) Methacrylonitrile	7.53	41	21890m	15.515	ug/l	
42) 1,2-Dichloroethane	8.42	62	100122	19.149	ug/l	99
43) Isopropyl Acetate	8.44	43	83126	18.794	ug/l	99
44) Trichloroethene	9.11	130	102079	20.249	ug/l	95
45) 1,2-Dichloropropane	9.38	63	88842	19.965	ug/l	97
46) Dibromomethane	9.47	93	47989	19.848	ug/l	95
47) Bromodichloromethane	9.66	83	127853	19.685	ug/l	98
48) Methyl methacrylate	9.45	41	42881	19.663	ug/l	94
49) 1,4-Dioxane	9.46	88	11953	370.636	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	210550	93.946	ug/l	97
52) Toluene	10.40	92	234384	20.573	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	107093	19.373	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	128710	19.095	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	64153	19.301	ug/l	98
56) Ethyl methacrylate	10.66	69	64304	18.059	ug/l	93
57) 1,3-Dichloropropane	10.94	76	109736	19.994	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	186877	110.843	ug/l	98
59) 2-Hexanone	10.98	43	138210	91.445	ug/l	99
60) Dibromochloromethane	11.14	129	86796	20.009	ug/l	100
61) 1,2-Dibromoethane	11.24	107	60646	19.617	ug/l	96
64) Tetrachloroethene	10.87	164	88717	21.142	ug/l	95
65) Chlorobenzene	11.67	112	242506	19.970	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	89709	19.519	ug/l	96
67) Ethyl Benzene	11.74	91	424102	19.885	ug/l	98
68) m/p-Xylenes	11.85	106	335080	41.497	ug/l	99
69) o-Xylene	12.18	106	146225	20.027	ug/l	98
70) Styrene	12.20	104	258811	20.411	ug/l	100
71) Bromoform	12.36	173	44682	19.202	ug/l #	99
73) Isopropylbenzene	12.48	105	398068	19.970	ug/l	98
74) N-amyl acetate	12.29	43	72970	18.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	66831	19.430	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	40139m	17.553	ug/l	
77) Bromobenzene	12.76	156	94528	20.276	ug/l	98
78) n-propylbenzene	12.82	91	495103	20.646	ug/l	100
79) 2-Chlorotoluene	12.91	91	272181	19.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	347816	20.564	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16773	18.351	ug/l	97
82) 4-Chlorotoluene	13.01	91	297690	20.665	ug/l	100
83) tert-Butylbenzene	13.23	119	282581	20.332	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	342234	20.405	ug/l	98
85) sec-Butylbenzene	13.40	105	403244	20.176	ug/l	99
86) p-Isopropyltoluene	13.52	119	365198	20.271	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	185157	20.103	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183322	20.040	ug/l	98
89) n-Butylbenzene	13.84	91	341091	19.919	ug/l	99
90) Hexachloroethane	14.11	117	72375	19.788	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	160202	20.330	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11017	19.911	ug/l	97

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
VD0924SBSD01

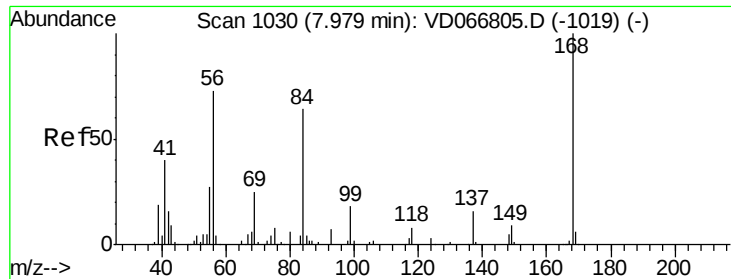
Manual Integrations
APPROVED

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9/25/2020 4:00:02 PM

Quant Time: Sep 25 01:26:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97404	19.636	ug/l	98
94) Hexachlorobutadiene	15.27	225	57764	19.432	ug/l	96
95) Naphthalene	15.40	128	156498	18.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	85450	19.958	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:168 Resp: 406132

Ion Ratio Lower Upper

168 100

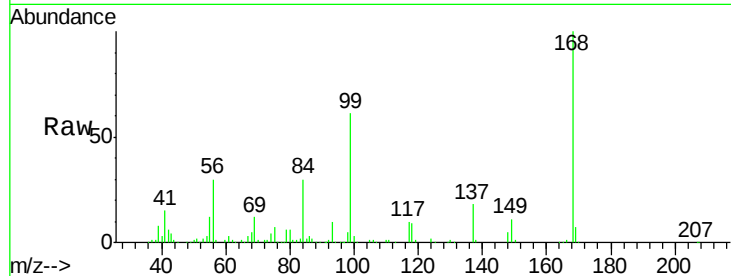
99 60.3 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

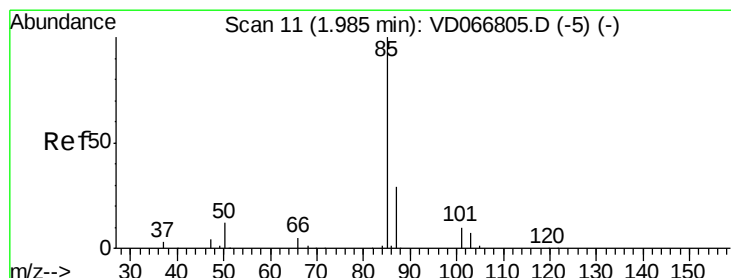
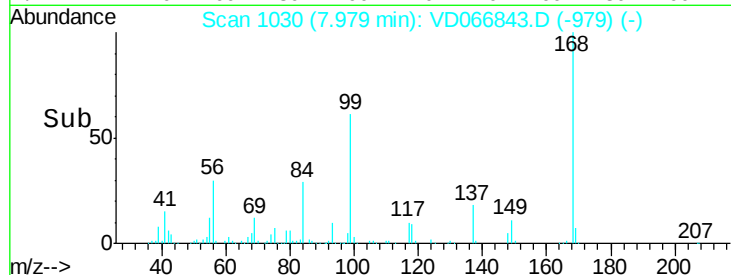
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.235 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066843.D

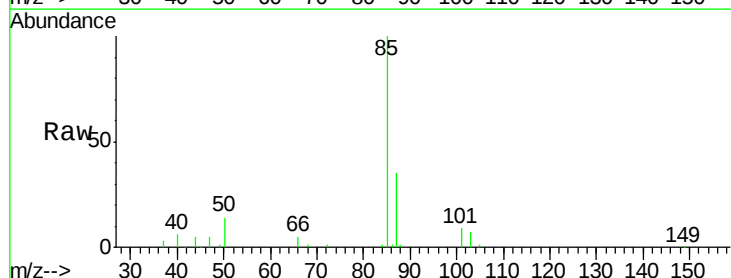
Acq: 24 Sep 2020 11:35

Tgt Ion: 85 Resp: 74618

Ion Ratio Lower Upper

85 100

87 35.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

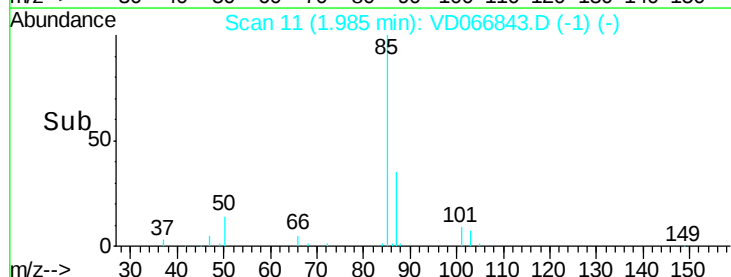
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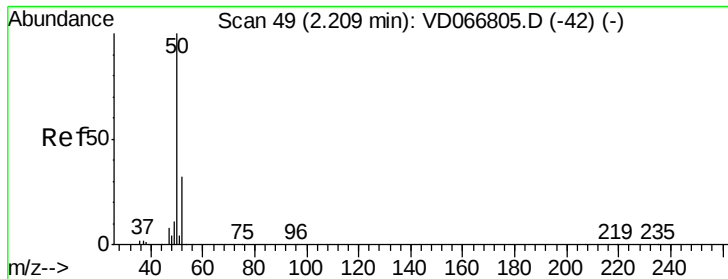
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.292 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 50 Resp: 75721

Ion Ratio Lower Upper

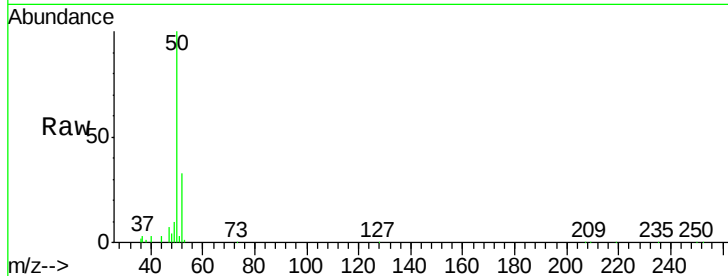
50 100

52 33.3 25.5 38.3

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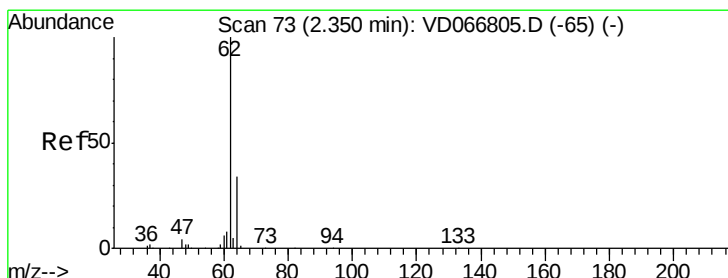
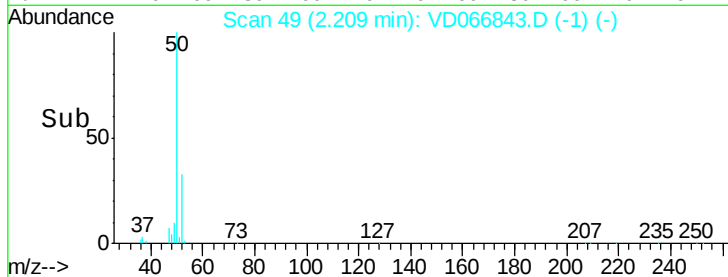
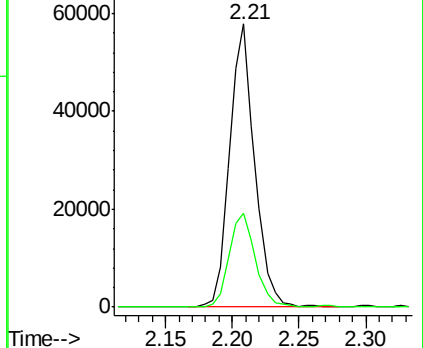
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.737 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066843.D

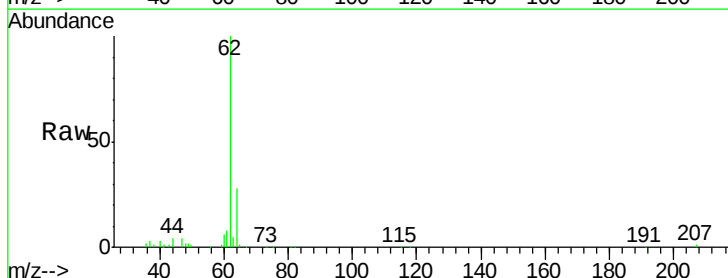
Acq: 24 Sep 2020 11:35

Tgt Ion: 62 Resp: 72761

Ion Ratio Lower Upper

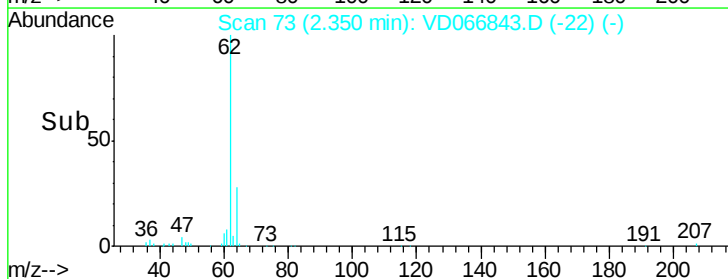
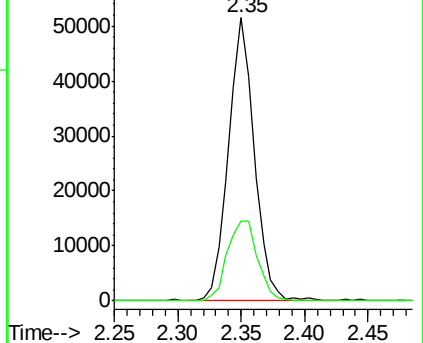
62 100

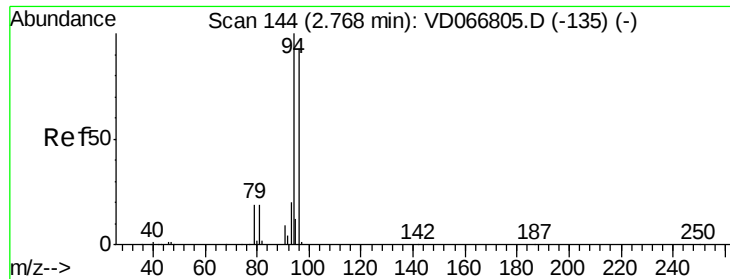
64 28.0 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.755 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 94 Resp: 51188

Ion Ratio Lower Upper

94 100

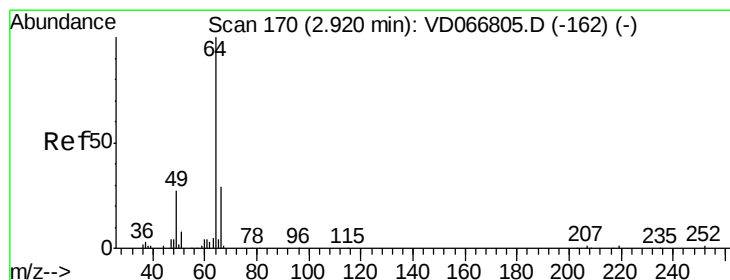
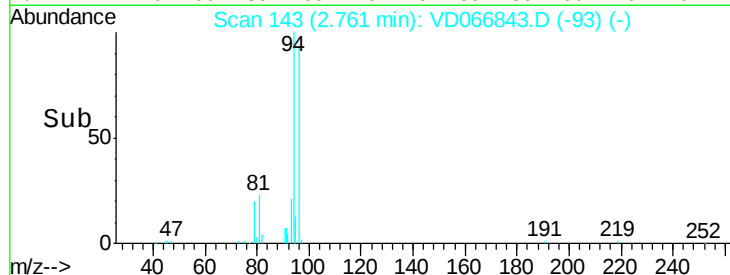
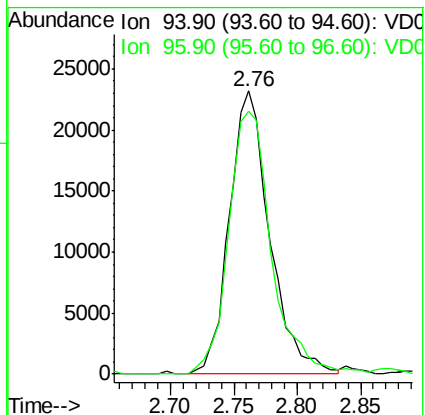
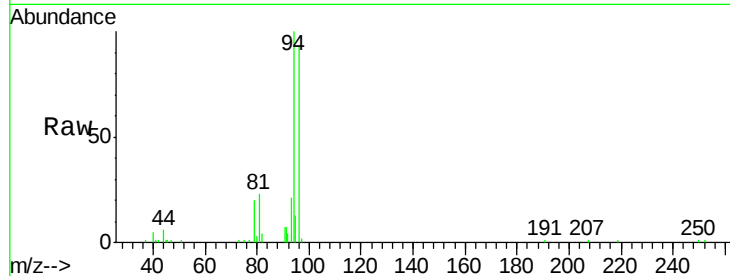
96 92.7 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 19.096 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066843.D

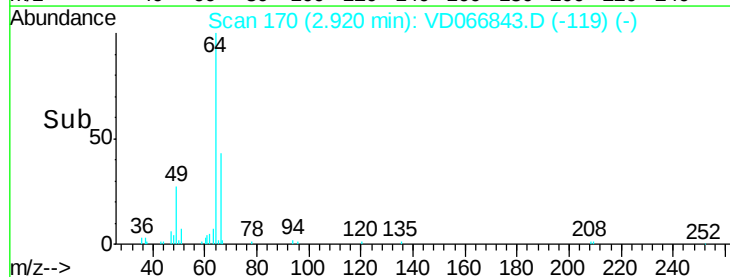
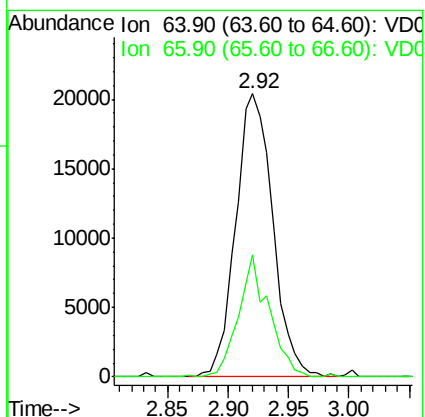
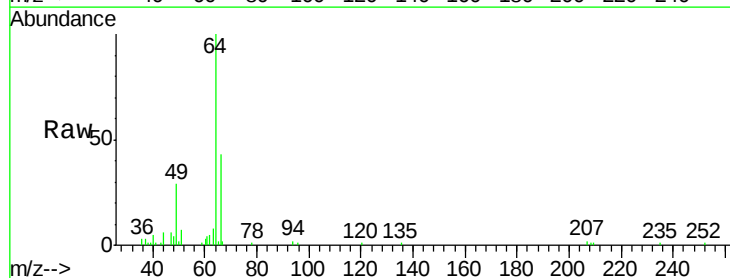
Acq: 24 Sep 2020 11:35

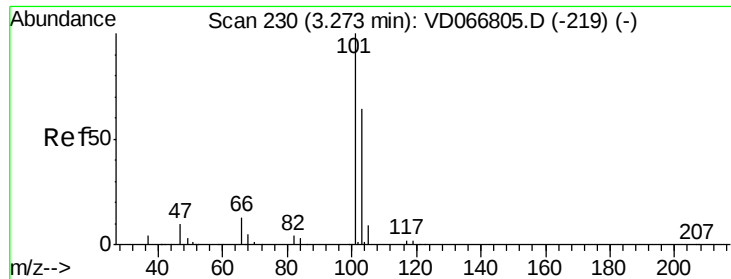
Tgt Ion: 64 Resp: 43717

Ion Ratio Lower Upper

64 100

66 43.1 23.3 34.9#





#7

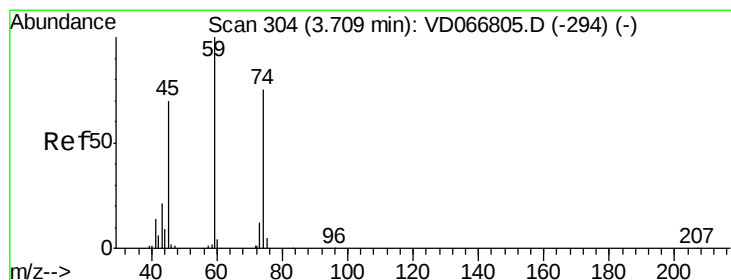
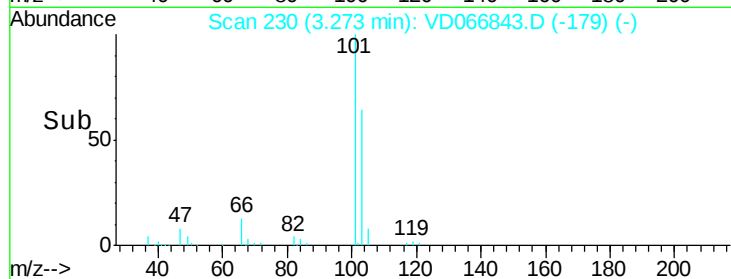
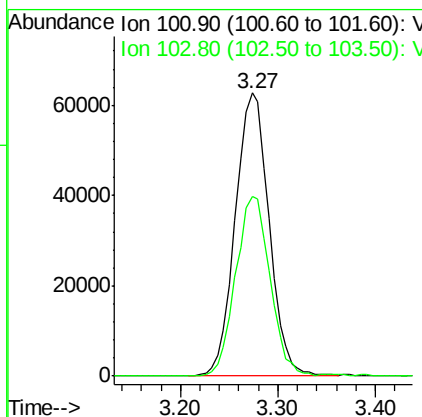
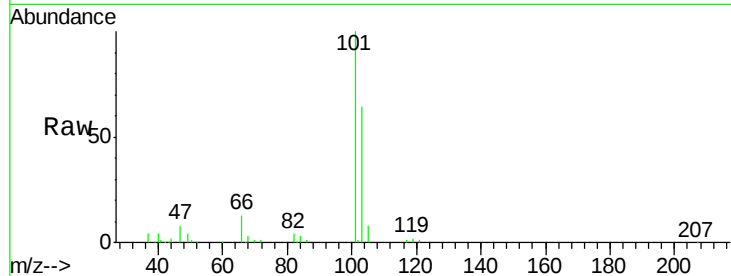
Trichlorofluoromethane
 Concen: 20.087 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
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 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	152081		
103	63.7	51.0	76.6	

Manual Integrations
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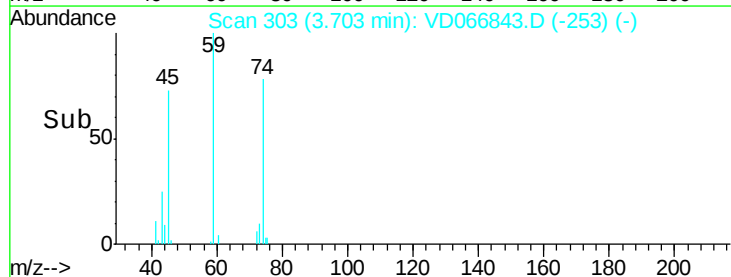
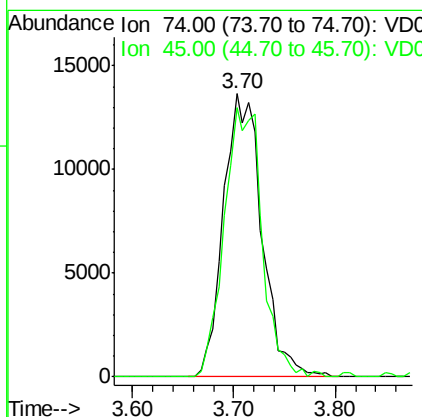
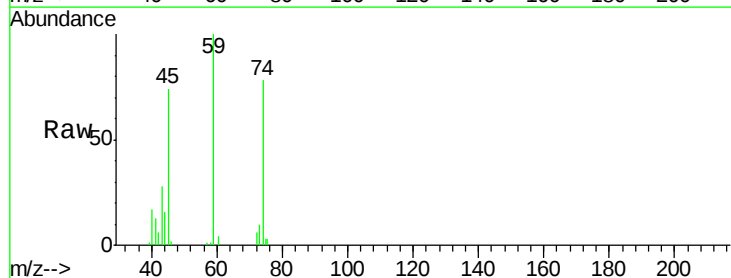
MMDadoda
 9/25/2020 4:00:02 PM

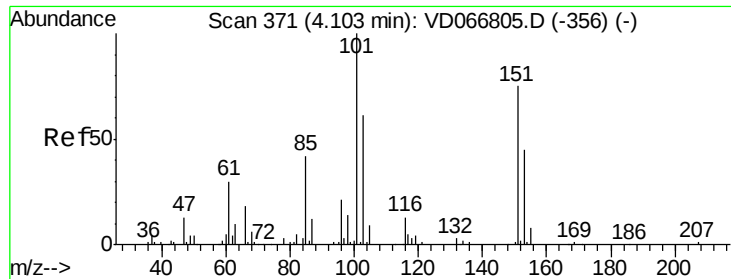


#8

Diethyl Ether
 Concen: 18.678 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35900		
45	93.0	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.464 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

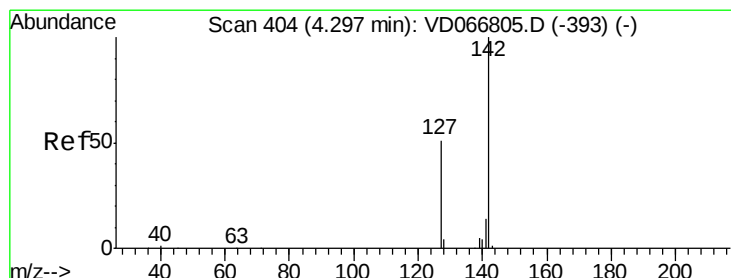
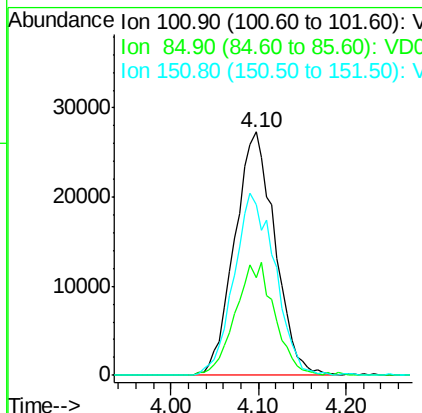
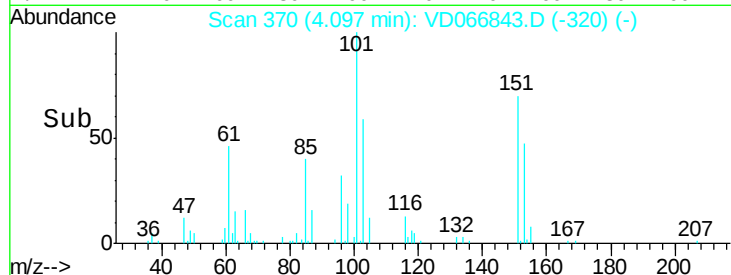
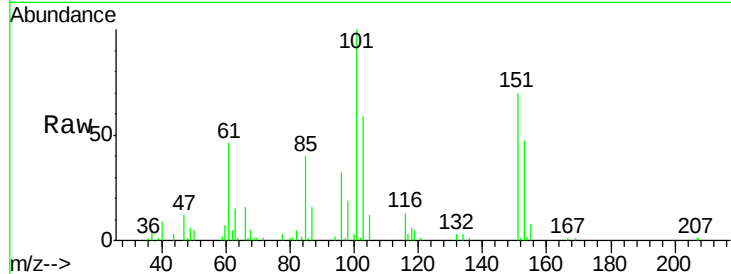
ClientSampleId :

VD0924SBS01

Tot Ion:	101	Resp:	85448
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.4	53.2
151	76.6	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.608 ug/l

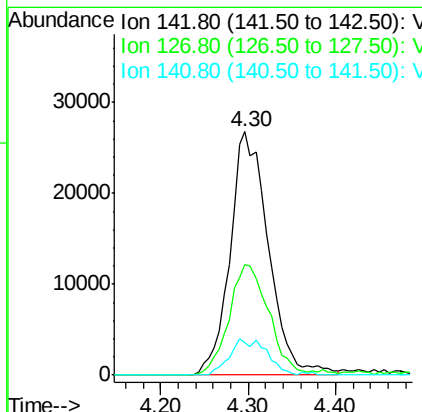
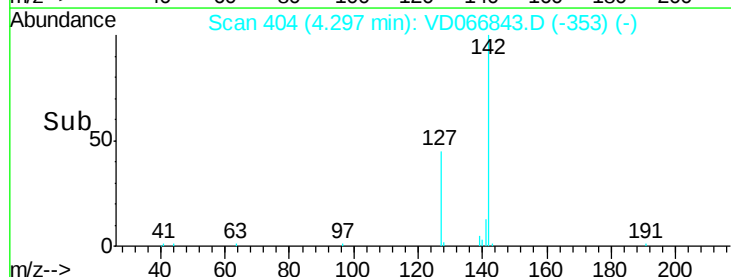
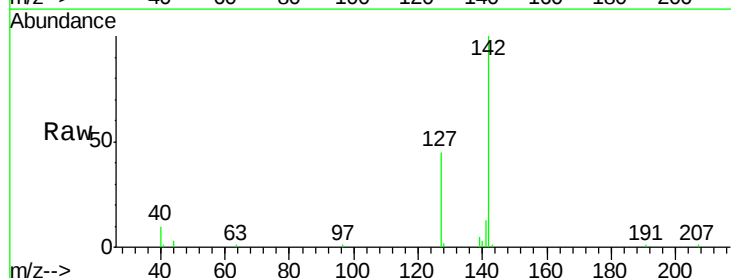
RT: 4.30 min Scan# 404

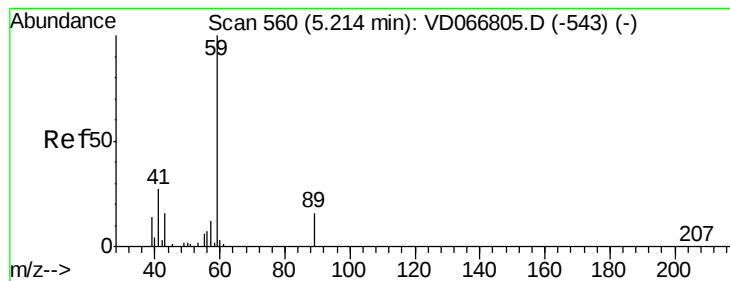
Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	142	Resp:	79836
Ion Ratio	Lower	Upper	
142	100		
127	46.7	39.4	59.0
141	14.4	12.1	18.1





#11

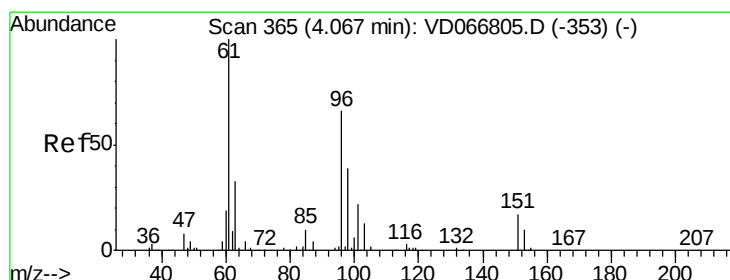
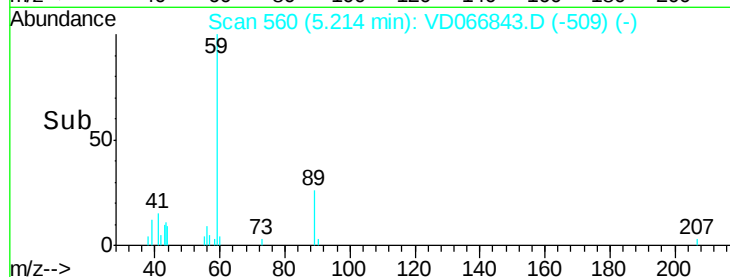
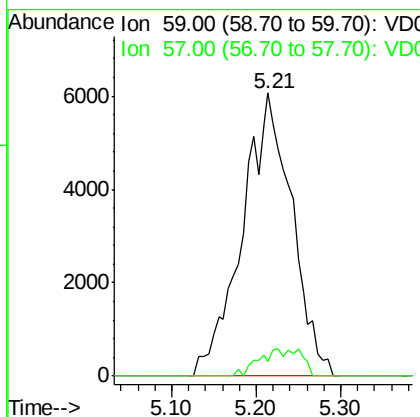
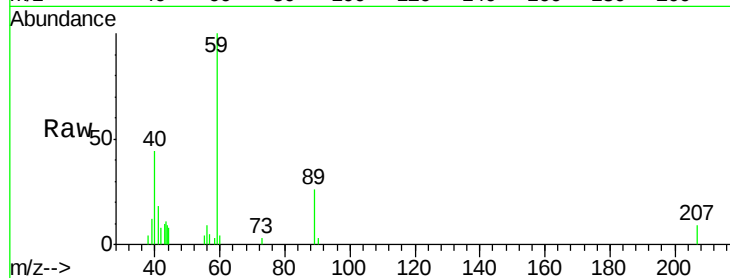
Tert butyl alcohol
 Concen: 68.233 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24733		
57	4.9		8.3	12.5#

Manual Integrations
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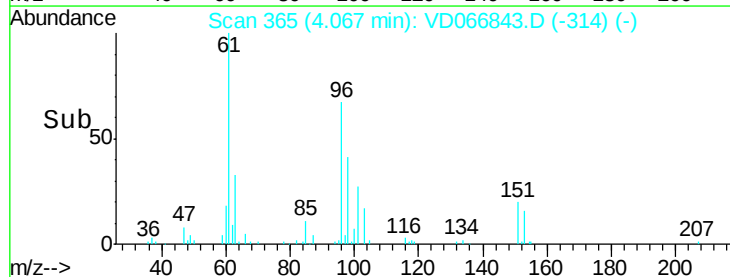
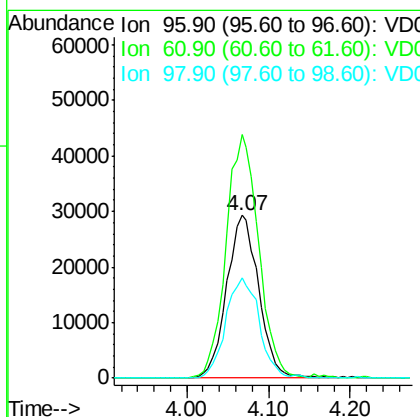
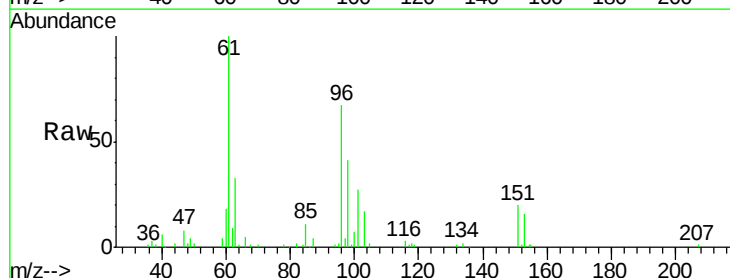
MMDadoda
 9/25/2020 4:00:02 PM

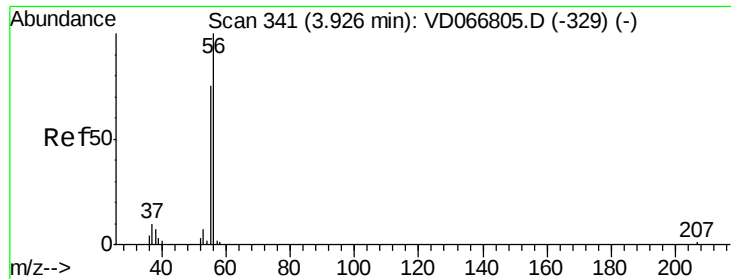


#12

1,1-Dichloroethene
 Concen: 20.106 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	79961		
61	149.5		120.8	181.2
98	61.4		47.7	71.5





#13

Acrolein

Concen: 86.769 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 56 Resp: 25444

Ion Ratio Lower Upper

56 100

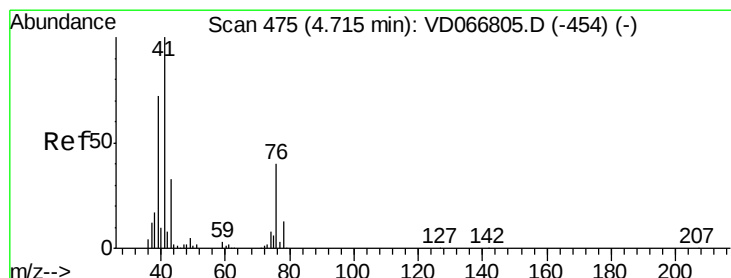
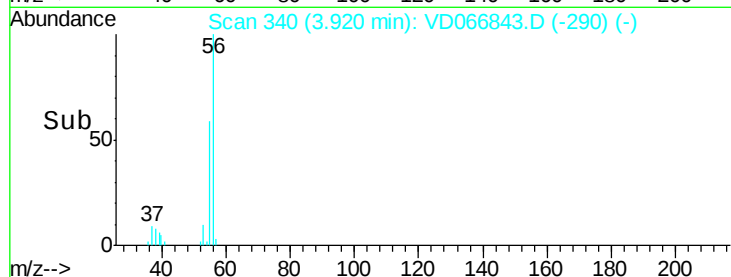
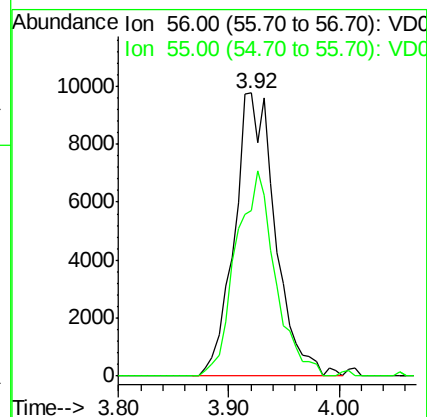
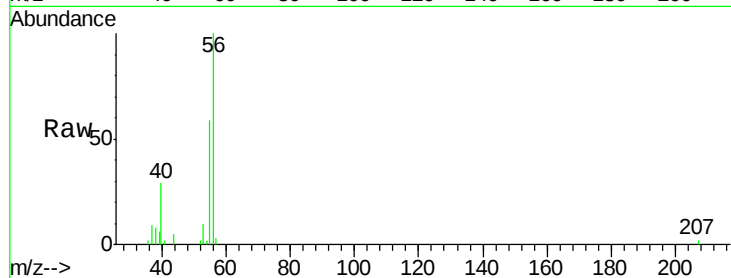
55 69.5 60.3 90.5

Manual Integrations

APPROVED

MMDadoda

9/25/2020 4:00:02 PM



#14

Allyl chloride

Concen: 19.060 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

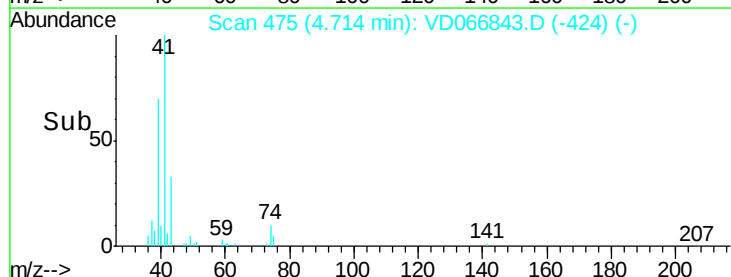
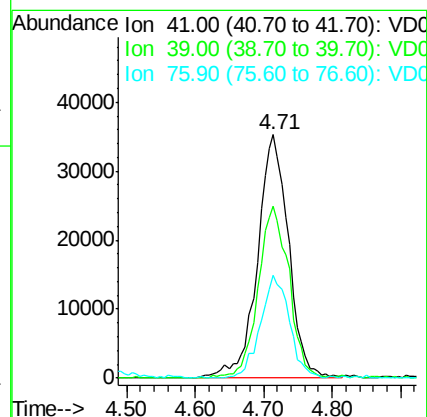
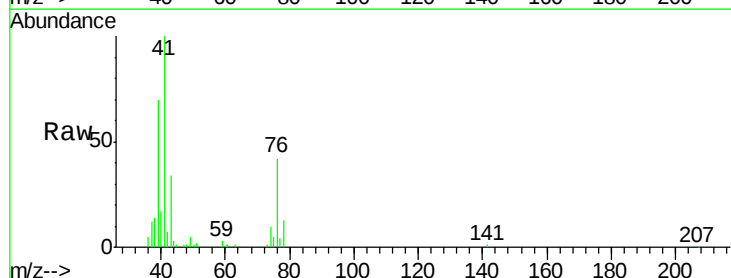
Tgt Ion: 41 Resp: 111308

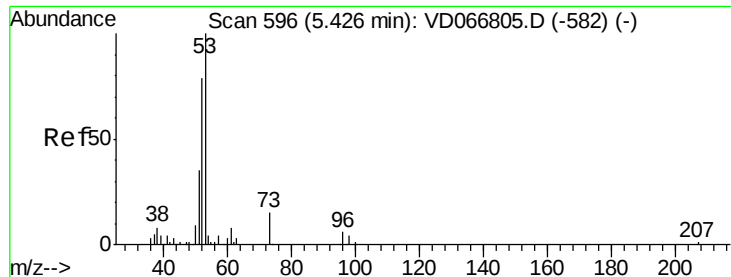
Ion Ratio Lower Upper

41 100

39 70.2 57.8 86.8

76 39.3 30.9 46.3





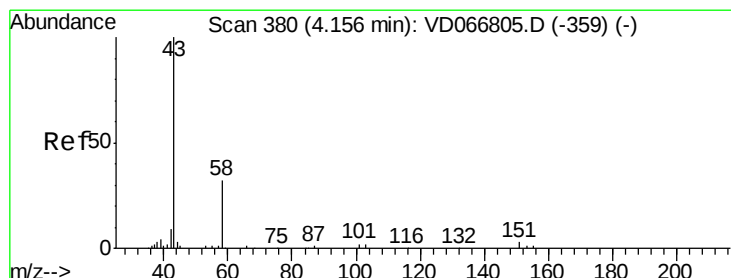
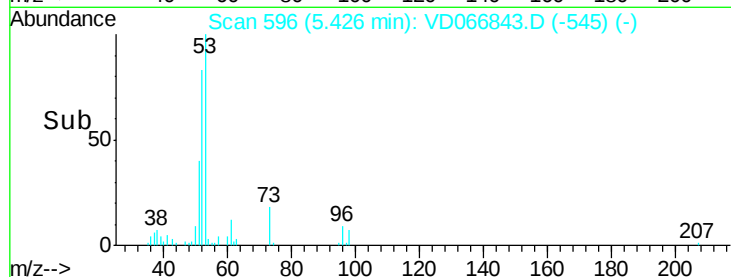
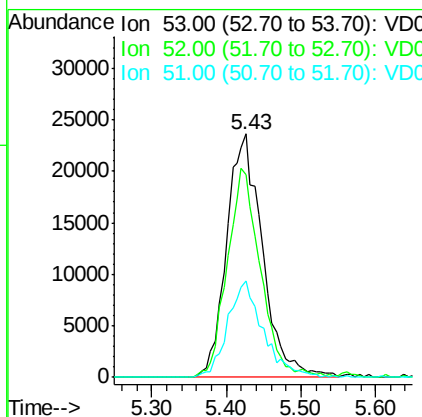
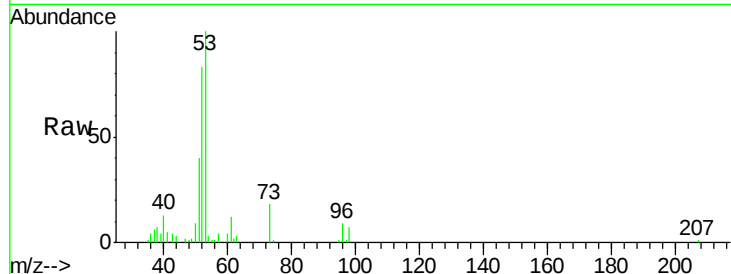
#15
Acrylonitrile
Concen: 92.428 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	78.3	65.2	97.8
51	39.0	30.6	46.0

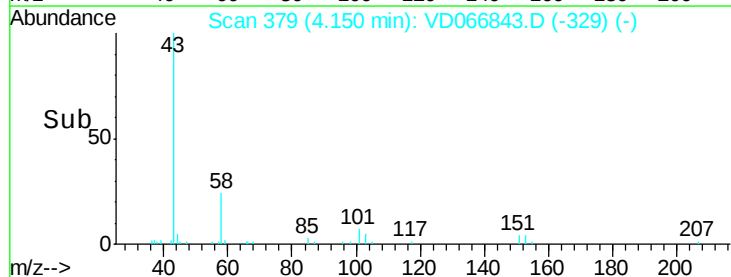
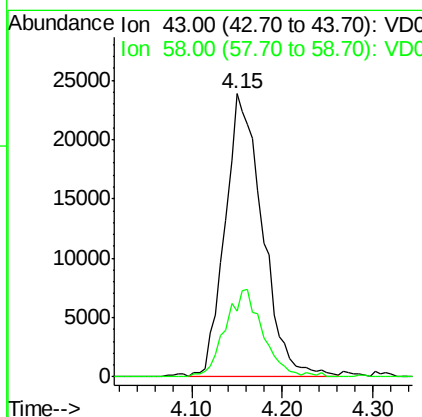
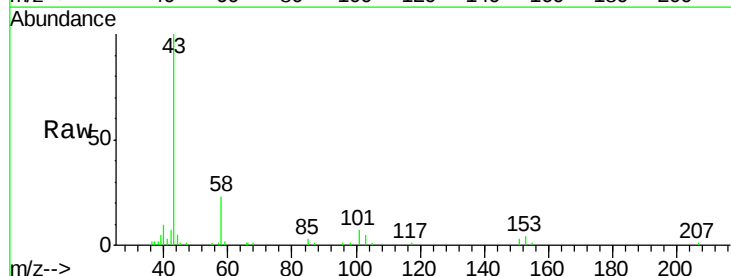
Manual Integrations
APPROVED

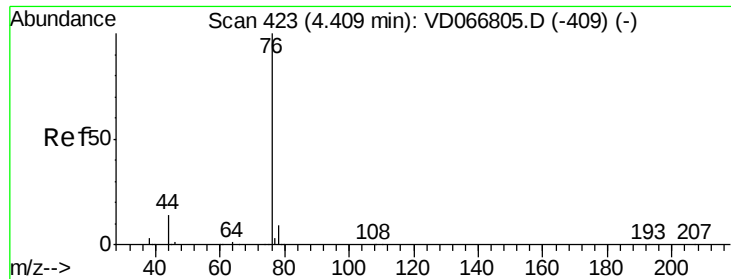
MMDadoda
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#16
Acetone
Concen: 81.311 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.5	25.6	38.4#





#17

Carbon Disulfide

Concen: 19.745 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 76 Resp: 240076

Ion Ratio Lower Upper

76 100

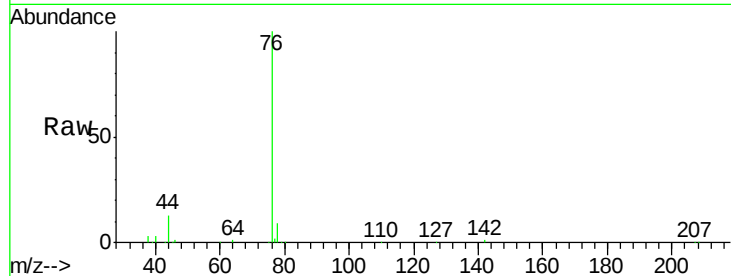
78 8.5 7.6 11.4

Manual Integrations

APPROVED

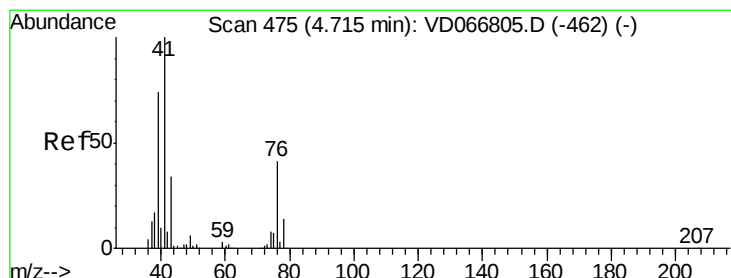
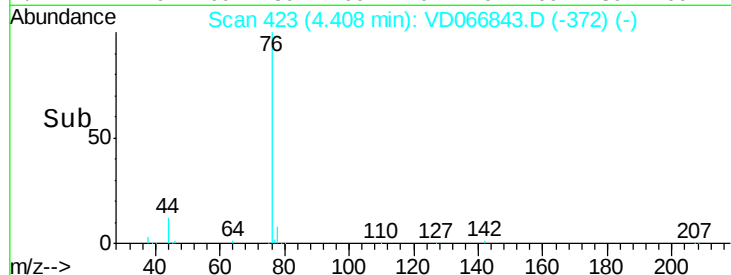
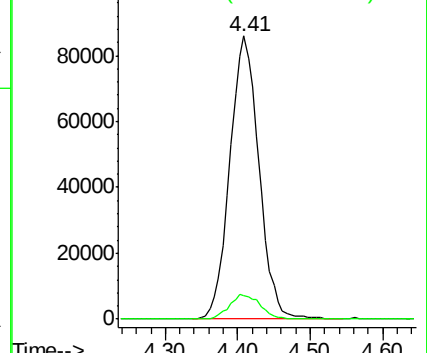
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 16.077 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066843.D

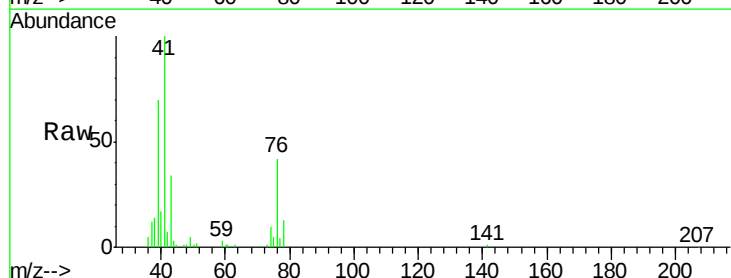
Acq: 24 Sep 2020 11:35

Tgt Ion: 43 Resp: 34881

Ion Ratio Lower Upper

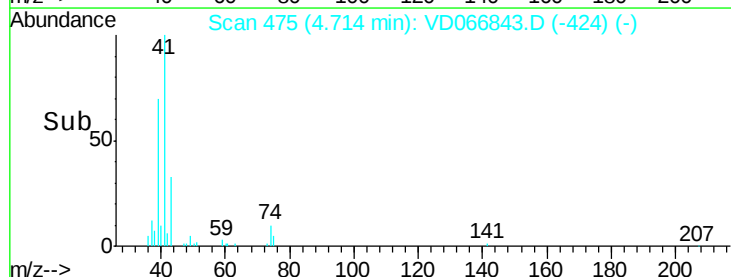
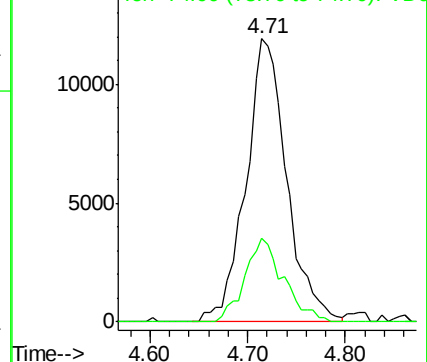
43 100

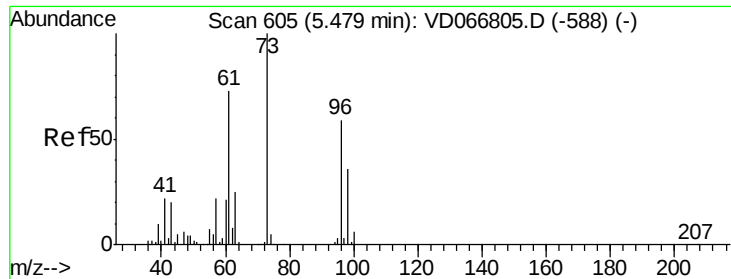
74 28.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





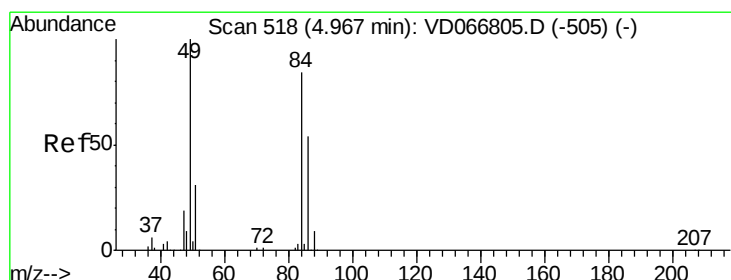
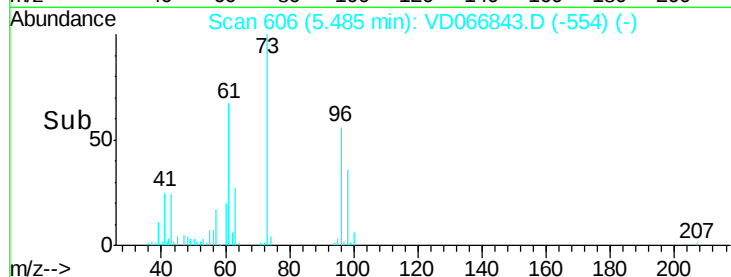
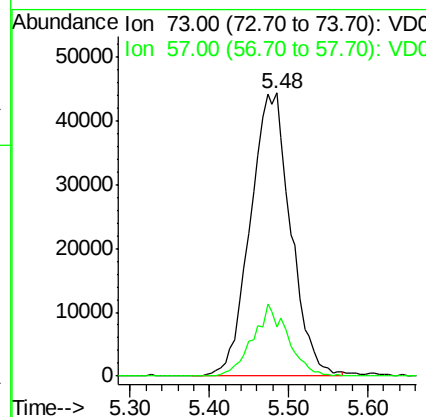
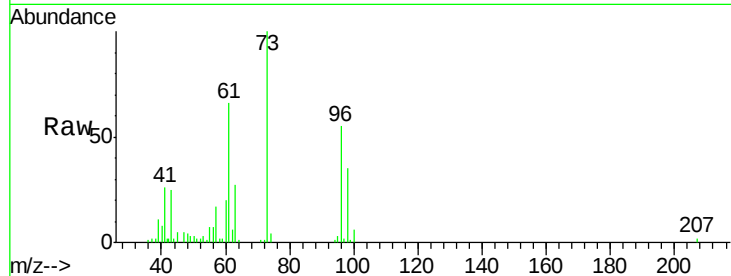
#19
Methyl tert-butyl Ether
Concen: 18.234 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 73 Resp: 157482
Ion Ratio Lower Upper
73 100
57 17.5 17.4 26.2

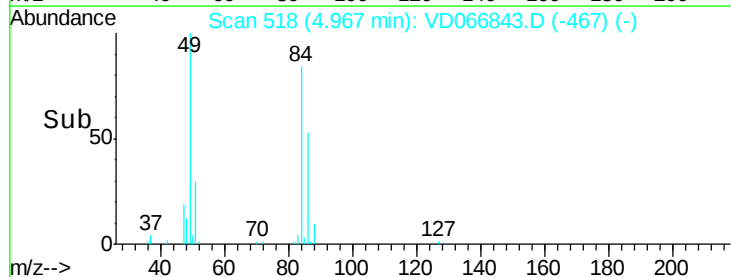
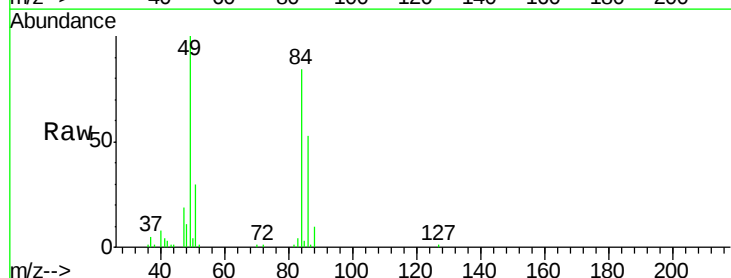
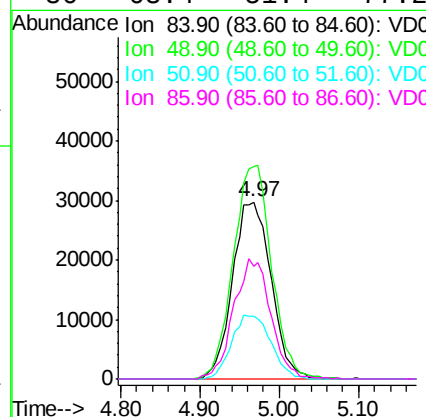
Manual Integrations
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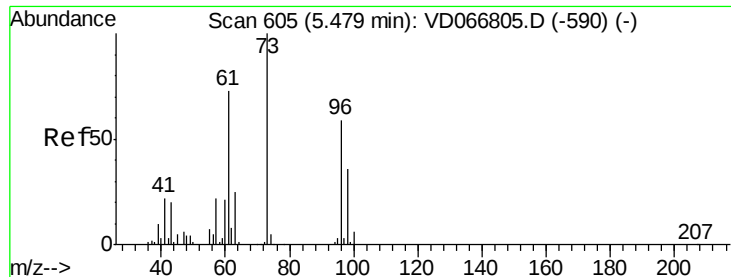
MMDadoda
9/25/2020 4:00:02 PM



#20
Methylene Chloride
Concen: 18.400 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion: 84 Resp: 100482
Ion Ratio Lower Upper
84 100
49 119.7 95.4 143.2
51 35.8 29.7 44.5
86 63.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.019 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

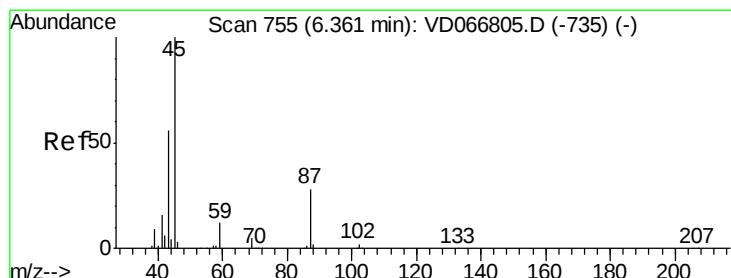
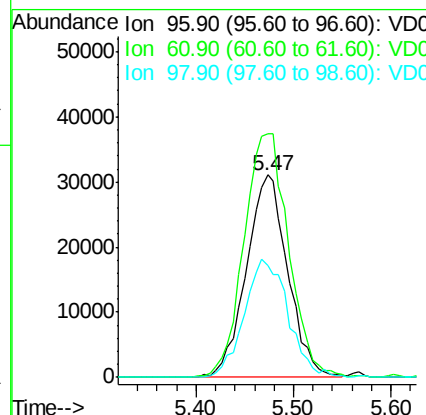
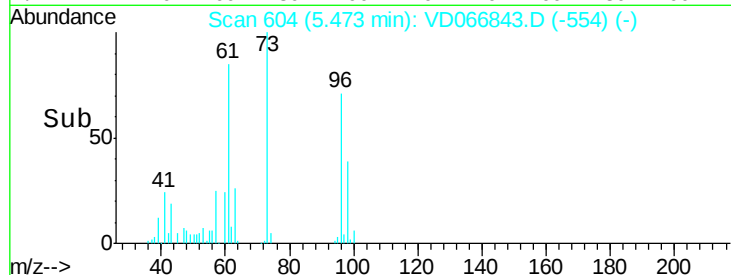
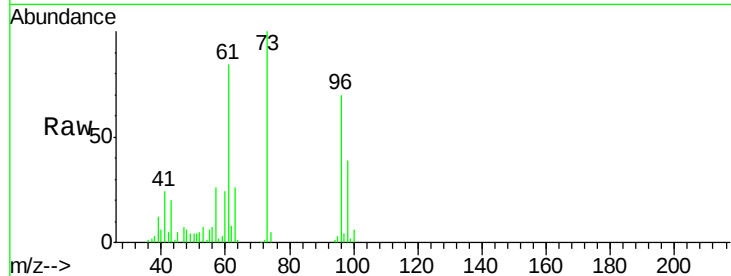
ClientSampleId :

VD0924SBSD01

Tot Ion:	96	Resp:	92184
Ion	Ratio	Lower	Upper
96	100		
61	120.4	98.9	148.3
98	55.2	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.040 ug/l

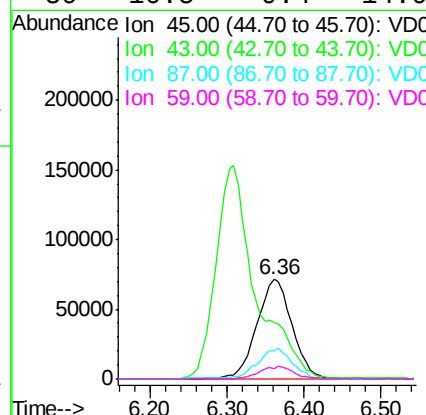
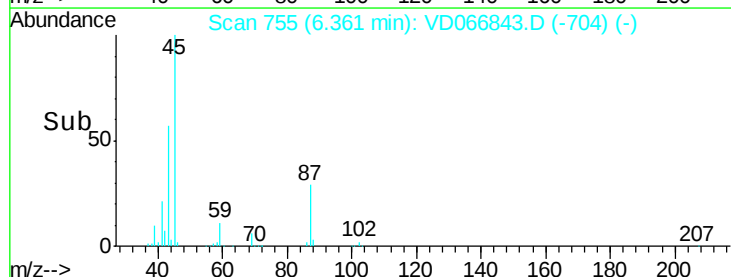
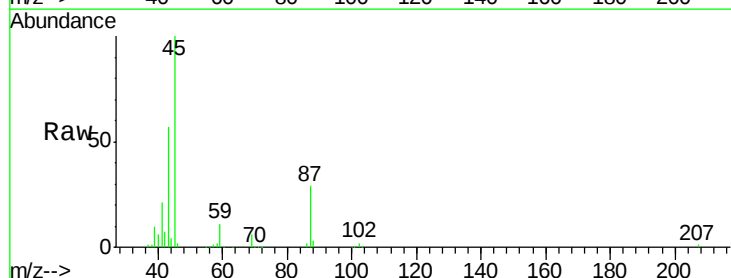
RT: 6.36 min Scan# 755

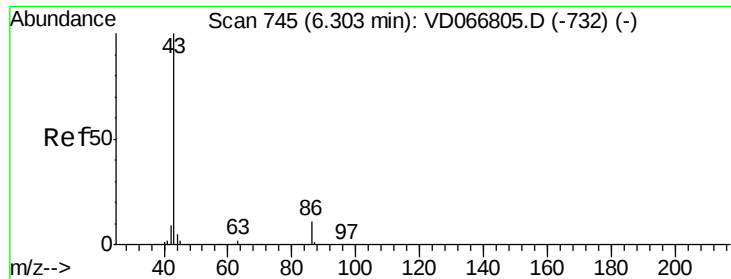
Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	45	Resp:	228614
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.5	66.7
87	28.9	22.9	34.3
59	10.5	9.4	14.0





#23

Vinyl Acetate

Concen: 85.858 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 548154

Ion Ratio Lower Upper

43 100

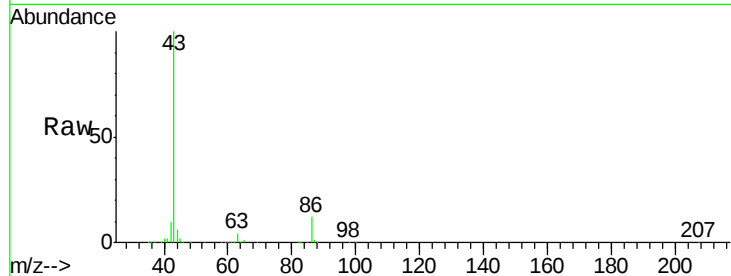
86 11.9 8.9 13.3

Manual Integrations

APPROVED

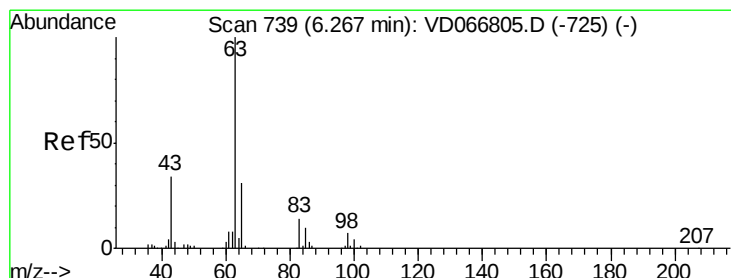
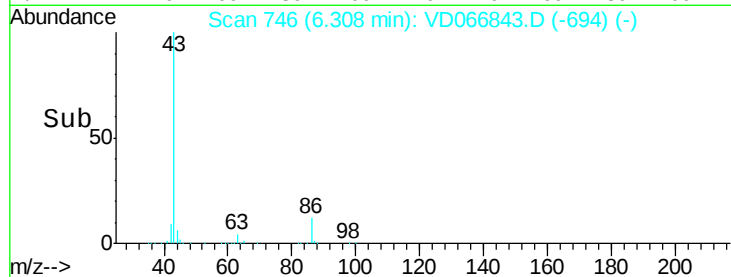
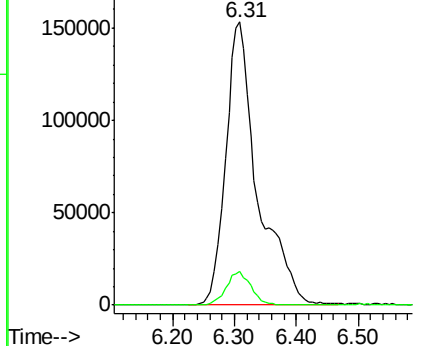
MMDadoda

9/25/2020 4:00:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.434 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

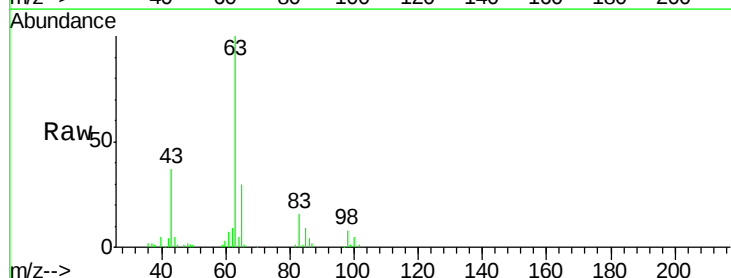
Tgt Ion: 63 Resp: 156104

Ion Ratio Lower Upper

63 100

98 8.4 3.7 11.1

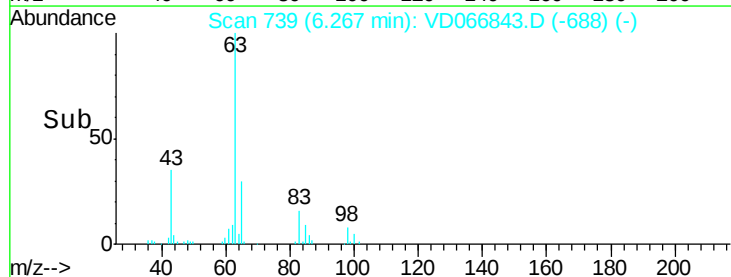
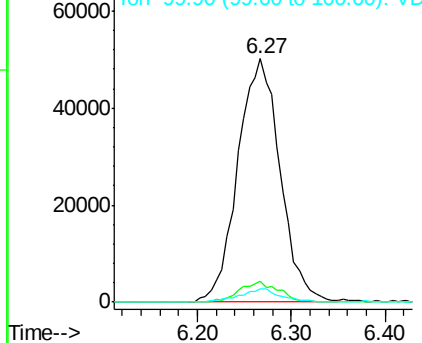
100 5.4 1.8 5.5

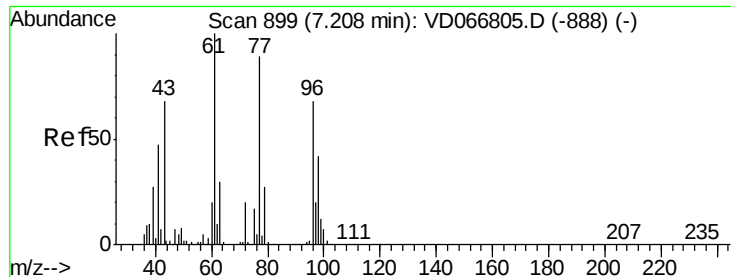


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.874 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 43 Resp: 89047

Ion Ratio Lower Upper

43 100

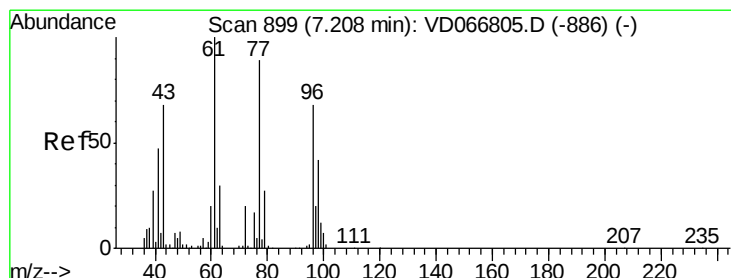
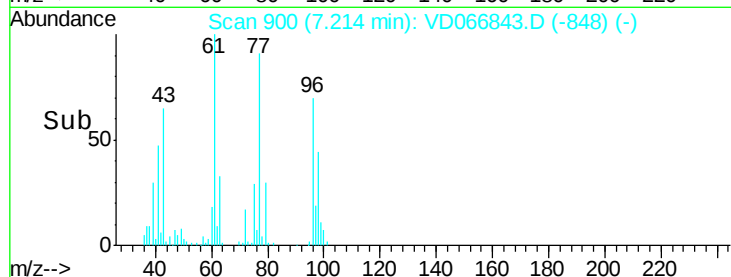
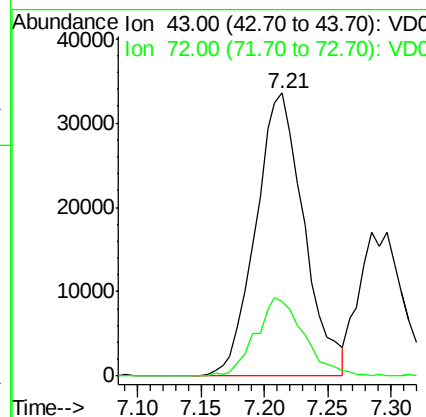
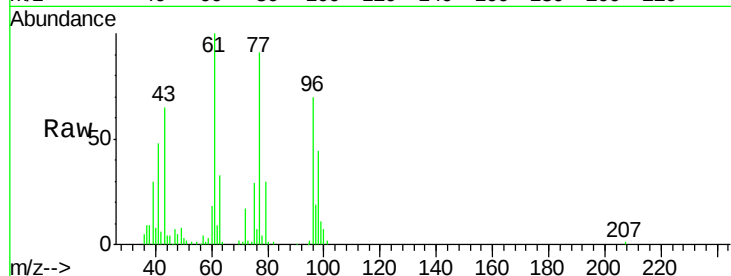
72 26.3 22.9 34.3

Manual Integrations

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MMDadoda

9/25/2020 4:00:02 PM



#26

2,2-Dichloropropane

Concen: 19.070 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066843.D

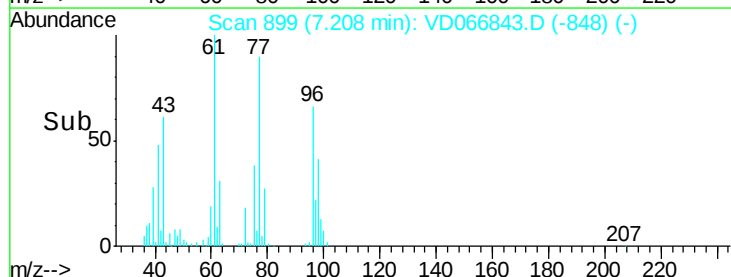
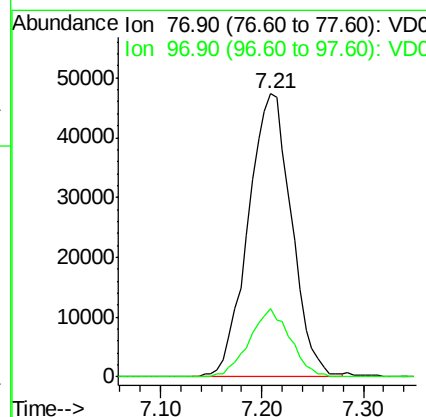
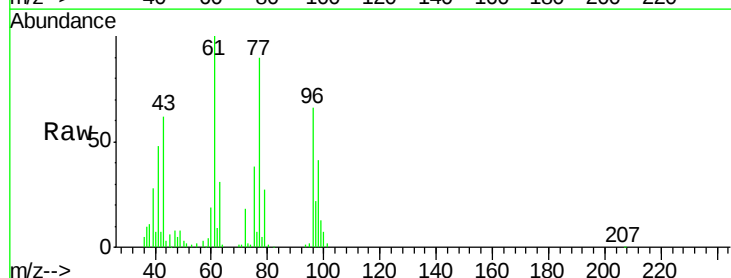
Acq: 24 Sep 2020 11:35

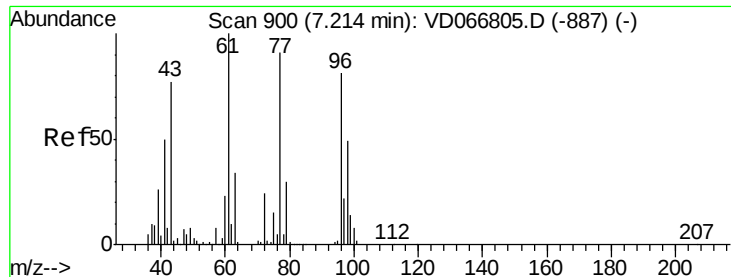
Tgt Ion: 77 Resp: 140397

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 18.742 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

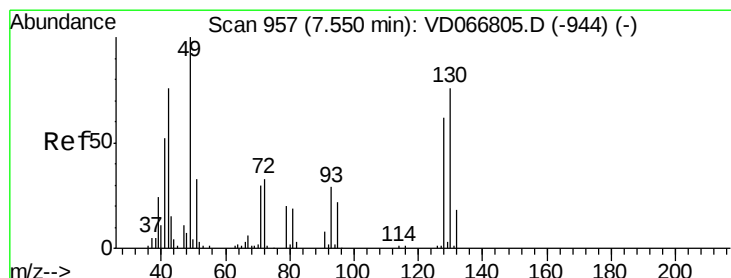
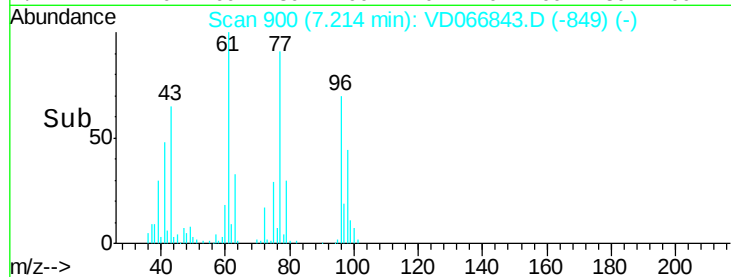
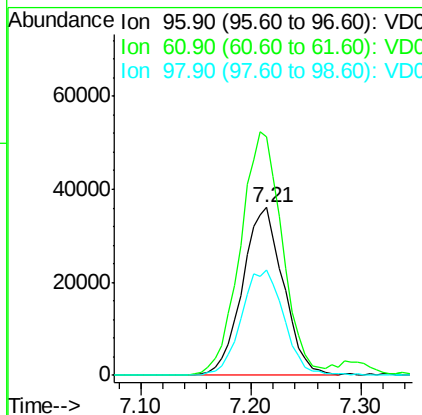
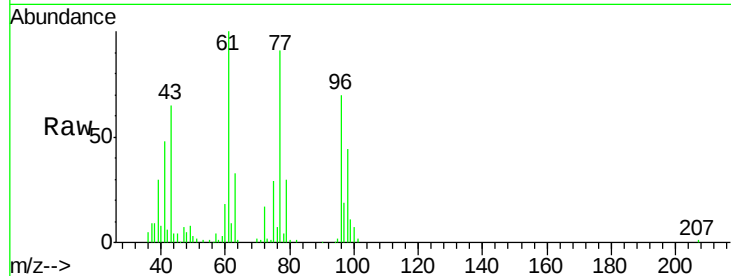
ClientSampleId :

VD0924SBS01

Tot Ion:	96	Resp:	93773
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	283.8
98	65.4	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.004 ug/l

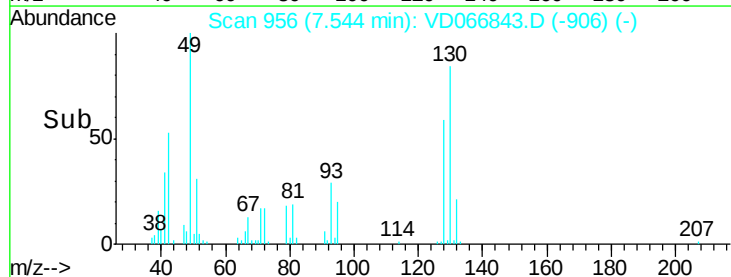
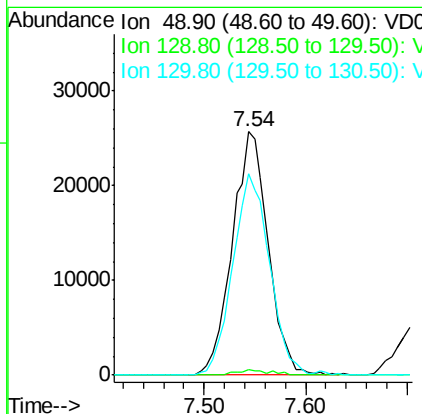
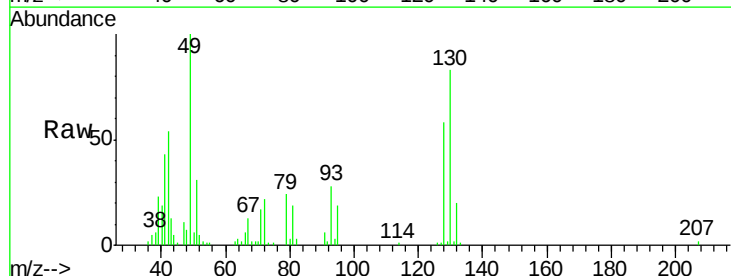
RT: 7.54 min Scan# 956

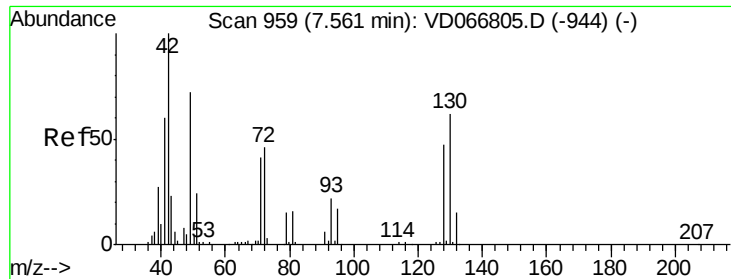
Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	49	Resp:	63063
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0#
130	84.4	65.9	98.9





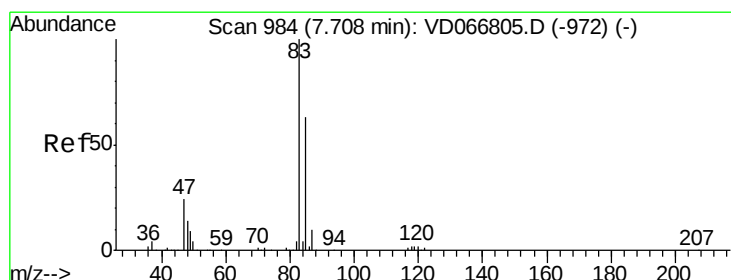
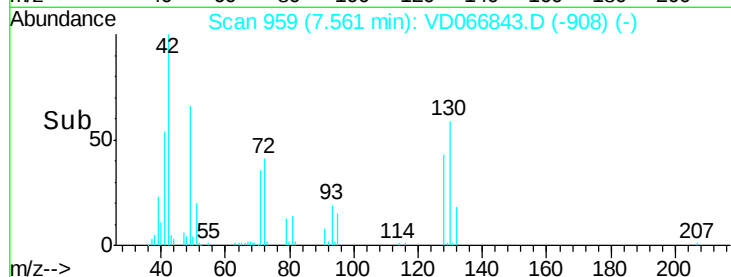
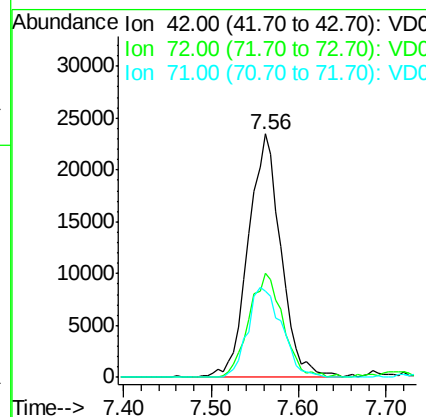
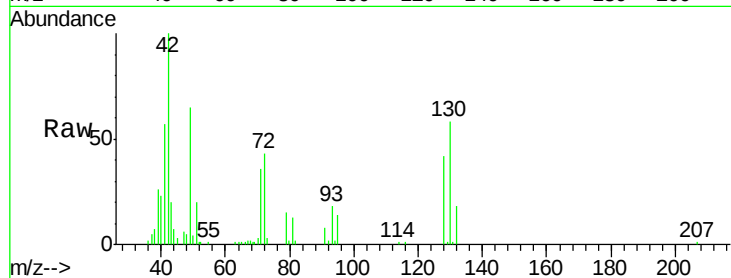
#29
Tetrahydrofuran
Concen: 91.259 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion:	42	Resp:	59255
Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.2	54.4
71	38.7	32.4	48.6

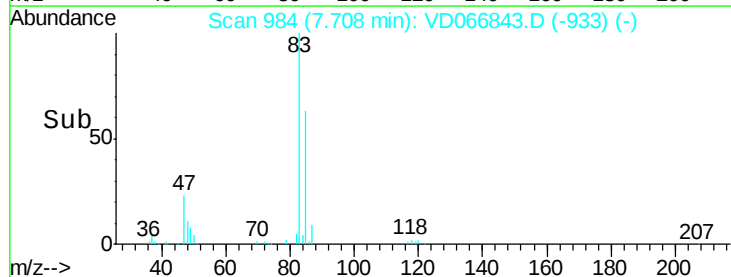
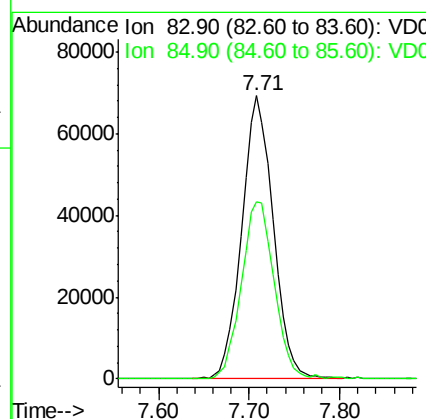
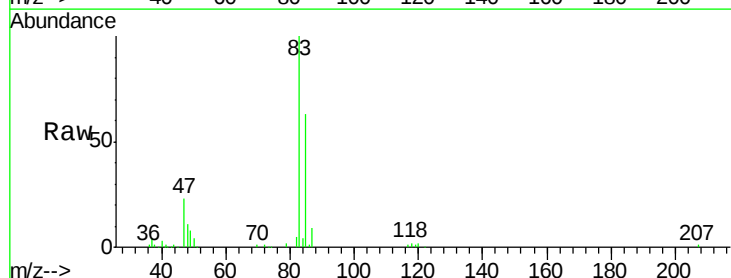
Manual Integrations
APPROVED

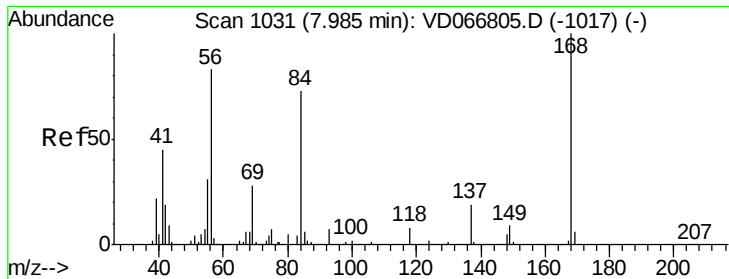
MMDadoda
9/25/2020 4:00:02 PM



#30
Chloroform
Concen: 19.305 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion:	83	Resp:	167154
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.6	75.8





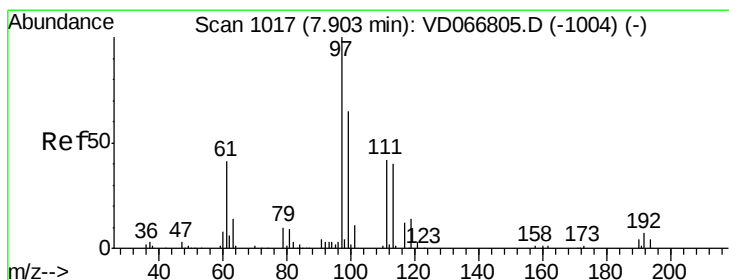
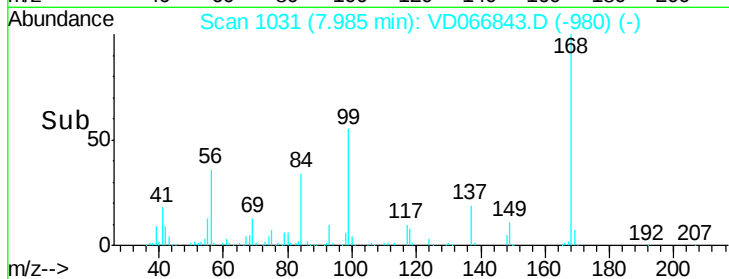
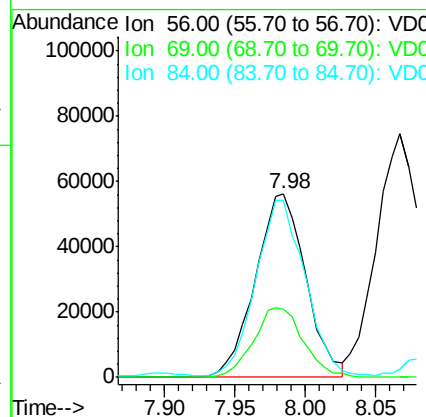
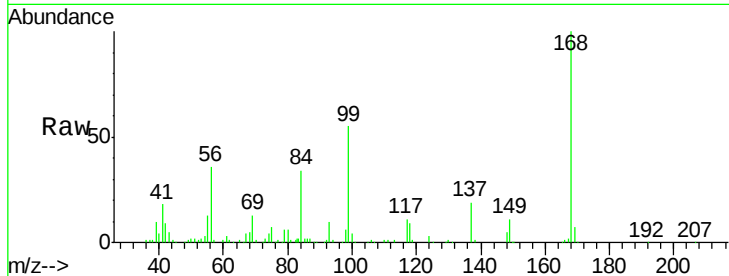
#31
Cyclohexane
Concen: 19.475 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		140762		
69	37.3	27.0	40.4		
84	95.2	70.2	105.4		

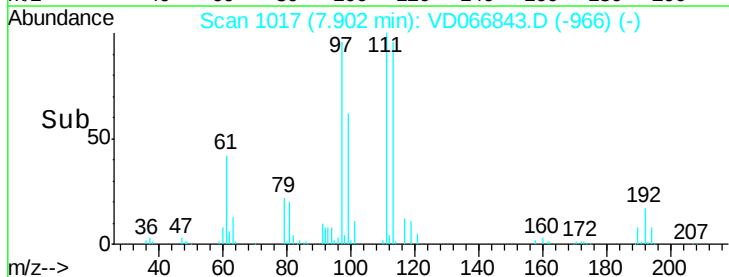
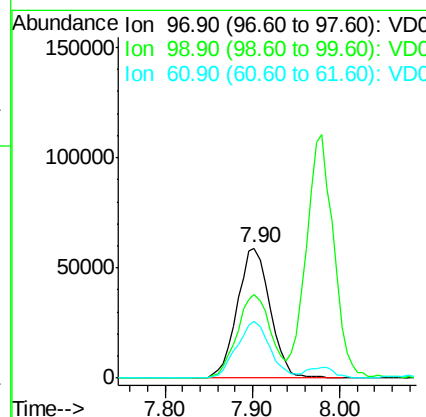
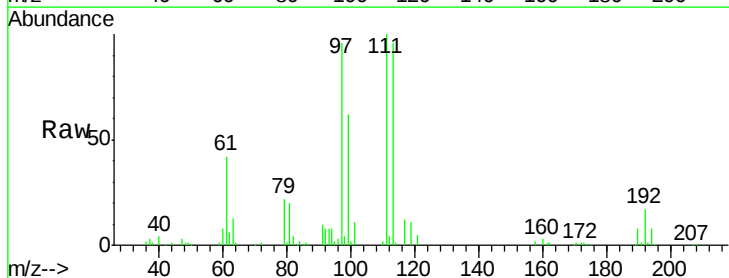
Manual Integrations
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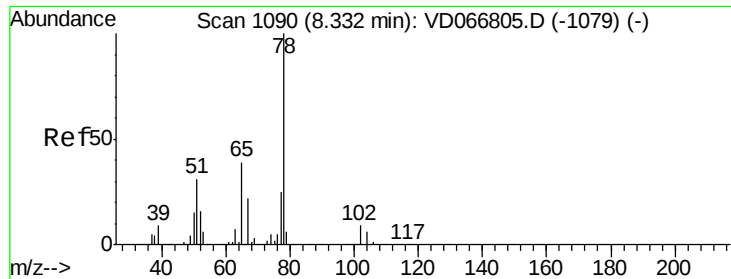
MMDadoda
9/25/2020 4:00:02 PM



#32
1,1,1-Trichloroethane
Concen: 19.218 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		150527		
99	66.0	51.5	77.3		
61	44.0	34.2	51.4		





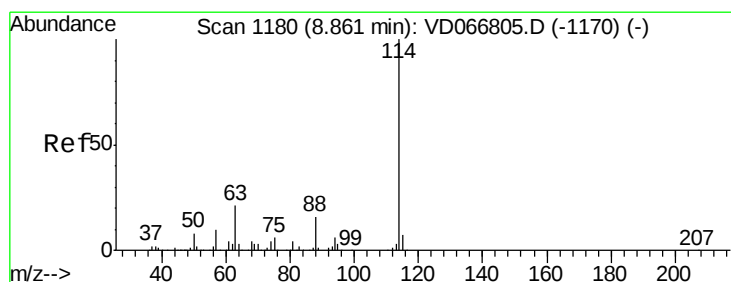
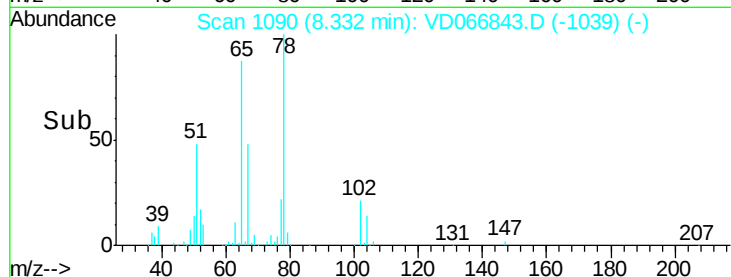
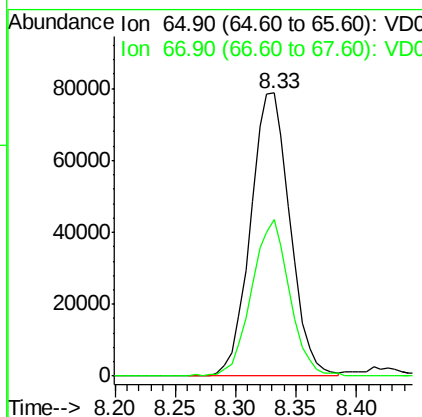
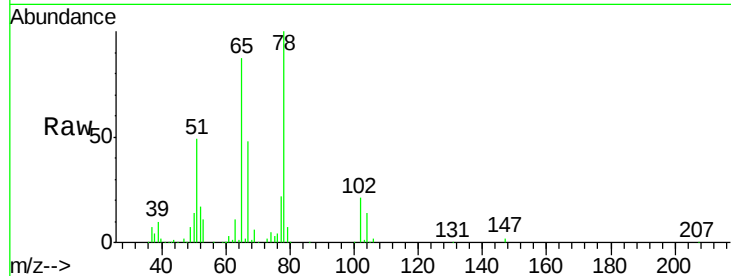
#33
 1,2-Dichloroethane-d4
 Concen: 45.151 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179479		
67	53.2	0.0	107.2	

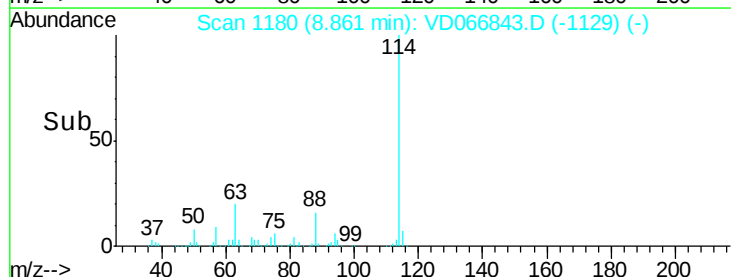
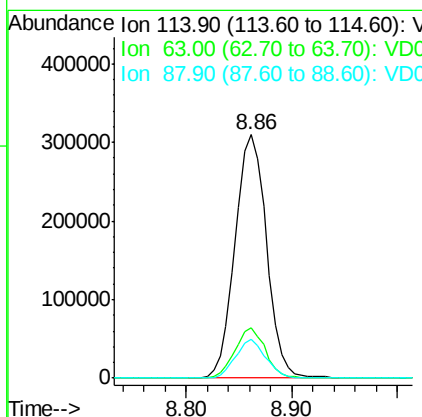
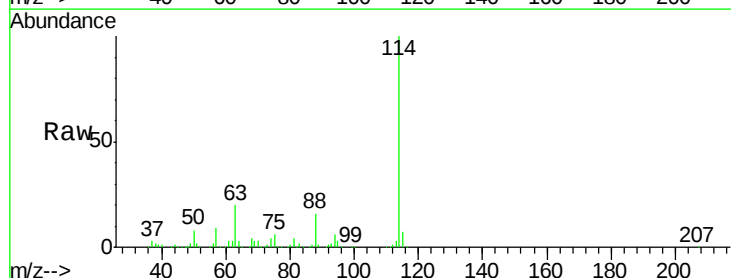
Manual Integrations
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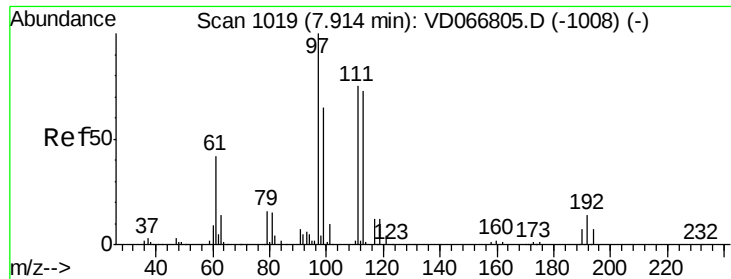
MMDadoda
 9/25/2020 4:00:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	639680		
63	20.5	0.0	42.6	
88	15.9	0.0	32.6	





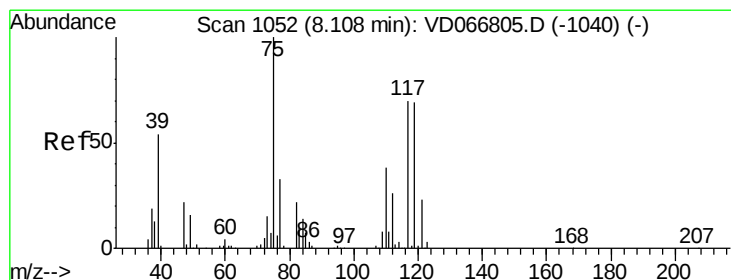
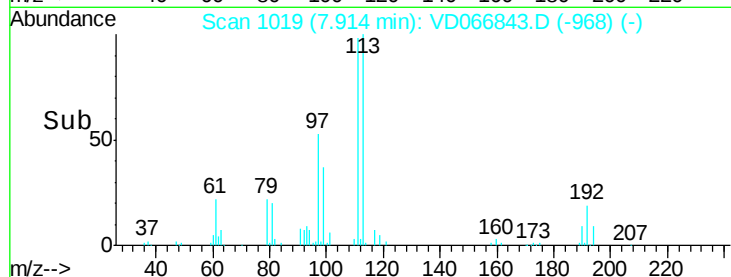
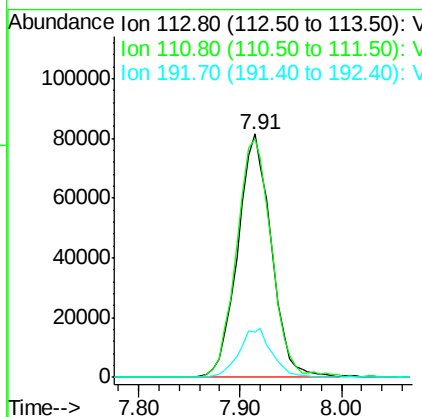
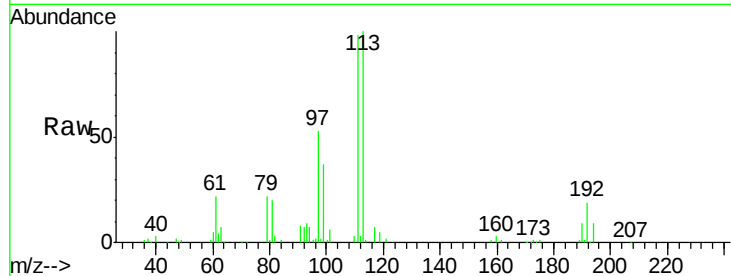
#35
Dibromofluoromethane
Concen: 46.092 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187579		
111	102.6		81.8	122.8
192	19.5		14.4	21.6

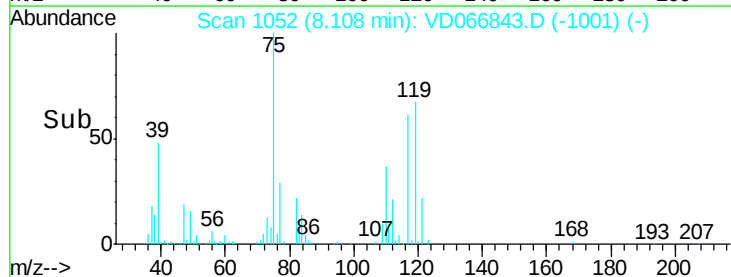
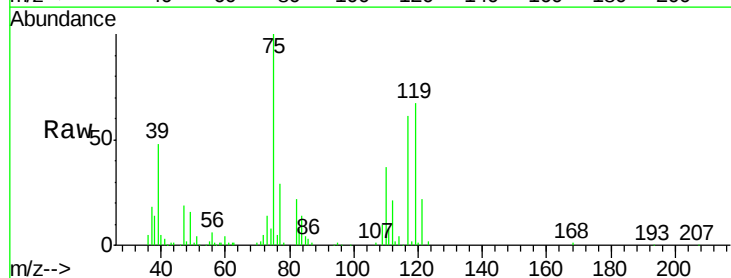
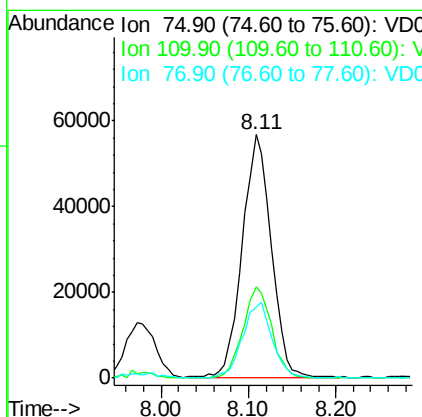
Manual Integrations
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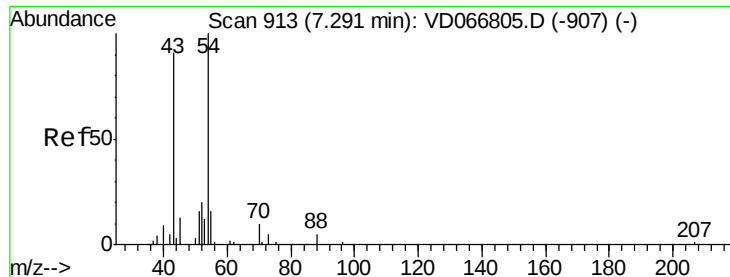
MMDadoda
9/25/2020 4:00:02 PM



#36
1,1-Dichloropropene
Concen: 20.132 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127758		
110	36.7		17.9	53.8
77	31.6		25.0	37.6





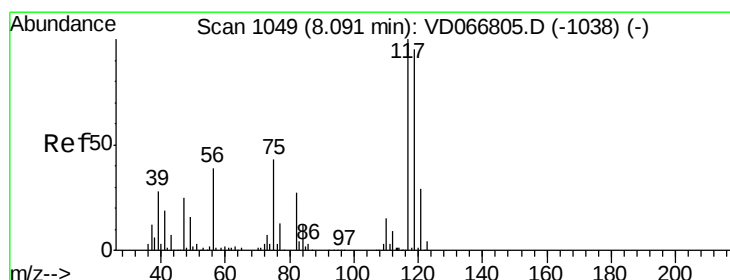
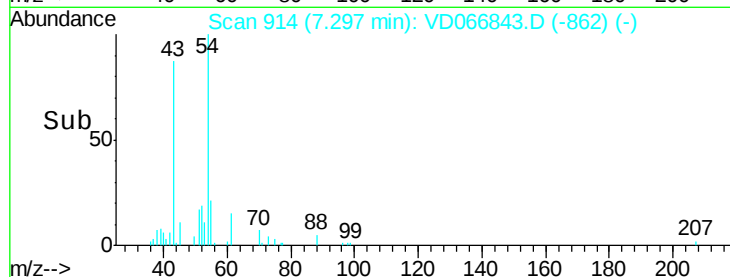
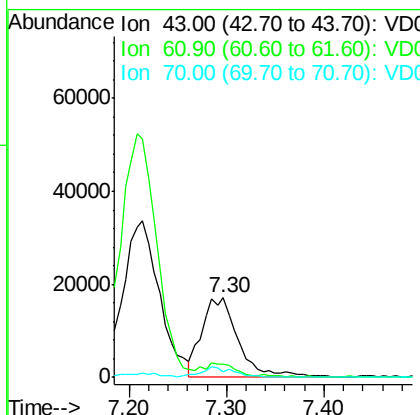
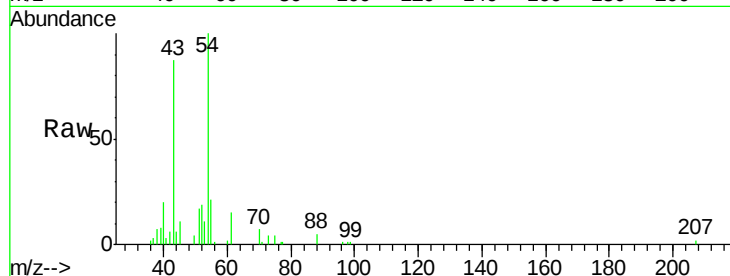
#37
Ethyl Acetate
Concen: 19.313 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	9.8	14.8#
70	11.6	8.5	12.7

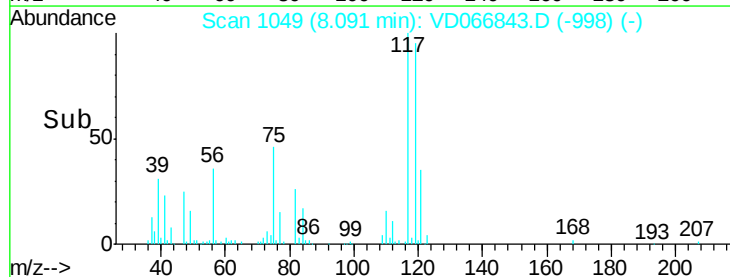
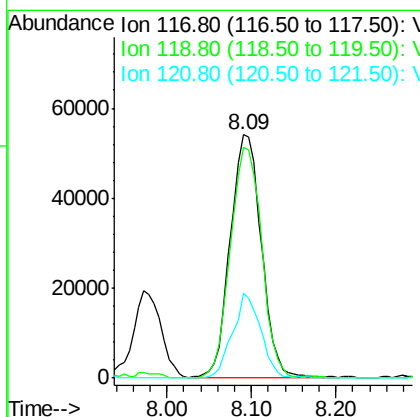
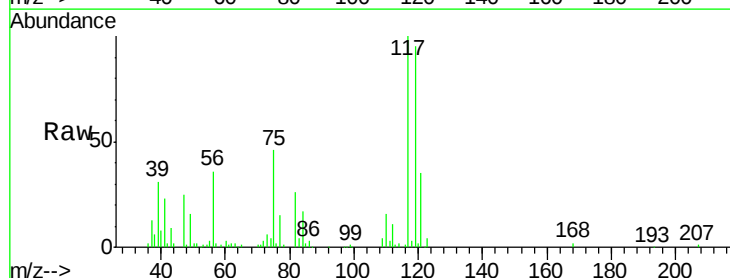
Manual Integrations
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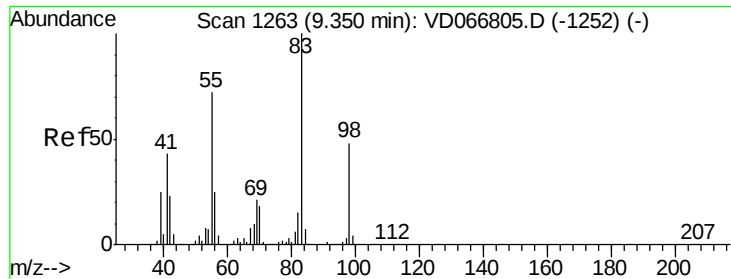
MMDadoda
9/25/2020 4:00:02 PM



#38
Carbon Tetrachloride
Concen: 19.932 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
121	35.1	23.4	35.0#





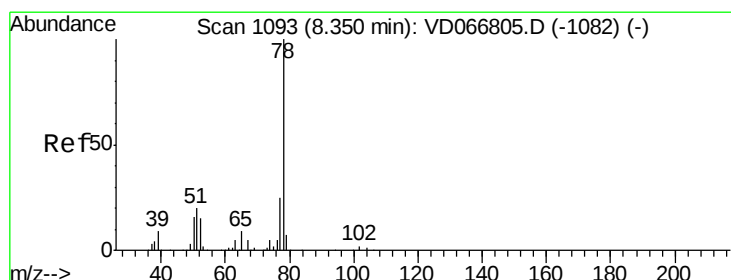
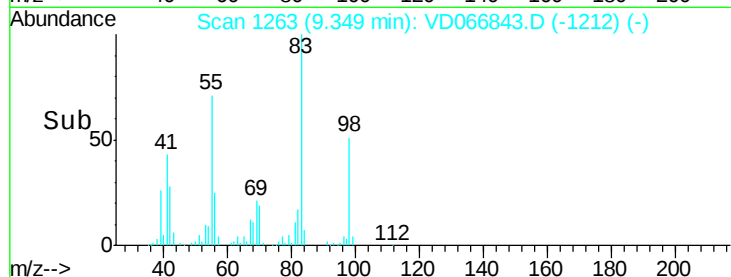
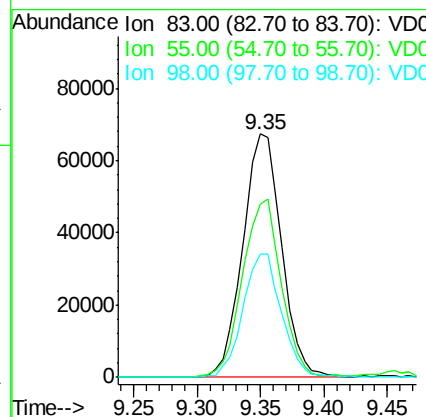
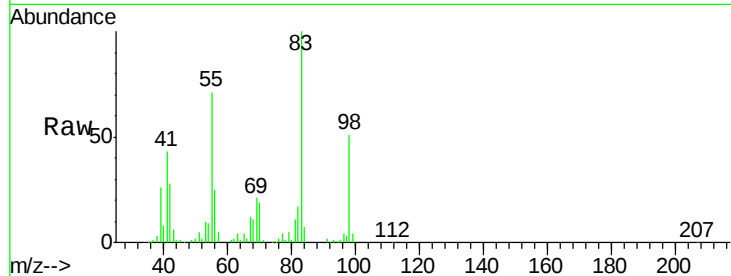
#39
Methvlcvclohexane
Concen: 19.718 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	57.7	86.5
98	50.6	38.4	57.6

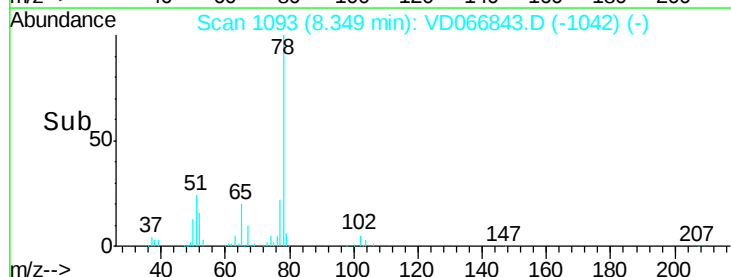
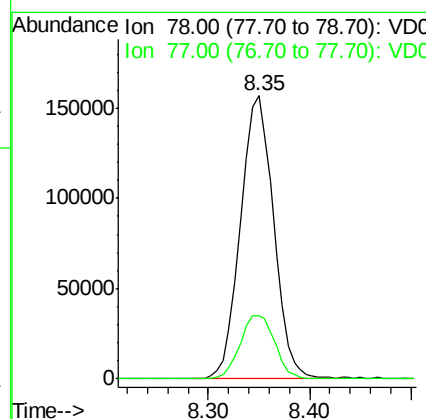
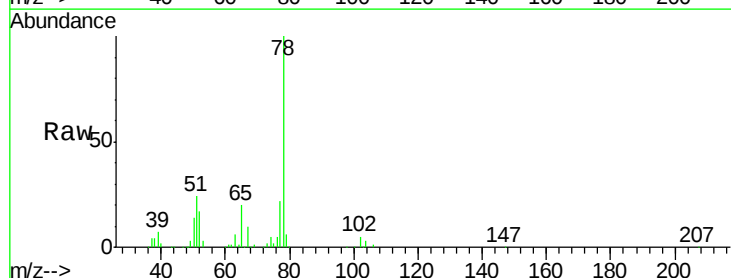
Manual Integrations
APPROVED

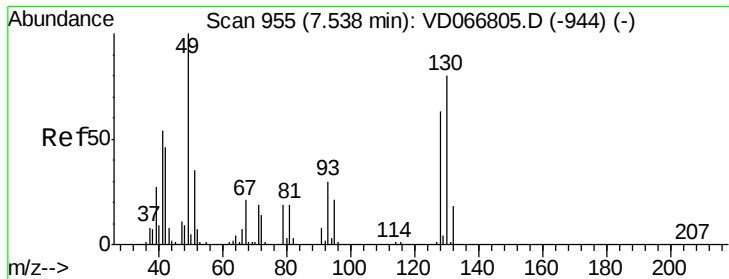
MMDadoda
9/25/2020 4:00:02 PM



#40
Benzene
Concen: 20.172 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.9	29.9





#41

Methacrylonitrile

Concen: 15.515 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 41 Resp: 21890

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

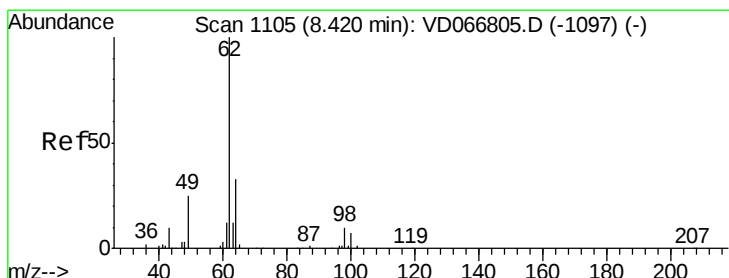
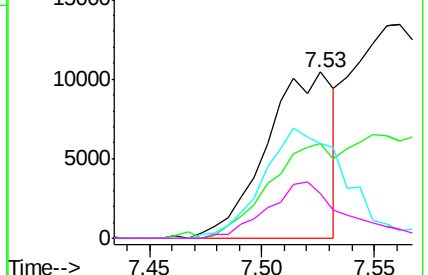
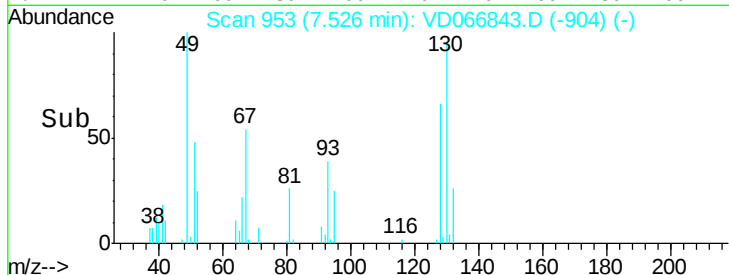
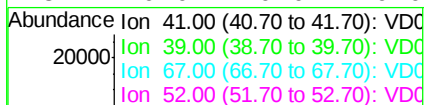
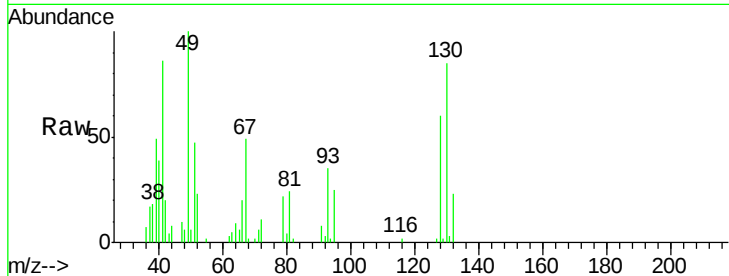
52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 19.149 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066843.D

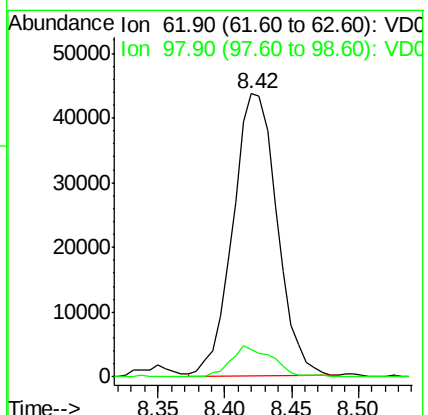
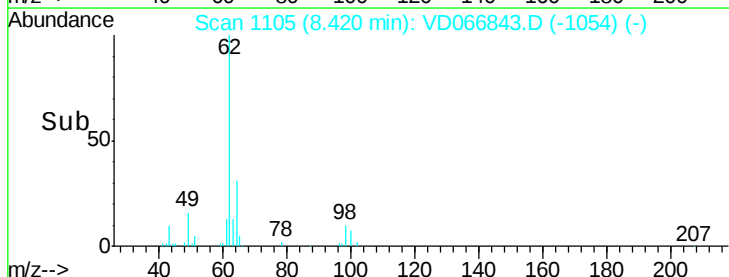
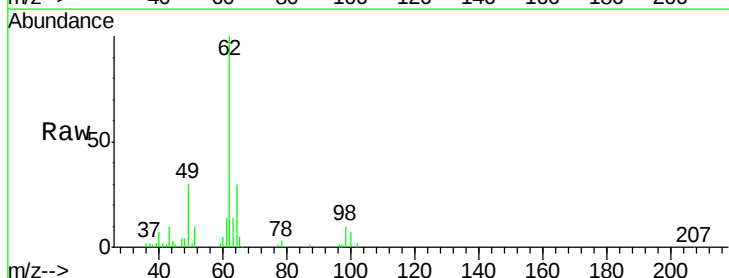
Acq: 24 Sep 2020 11:35

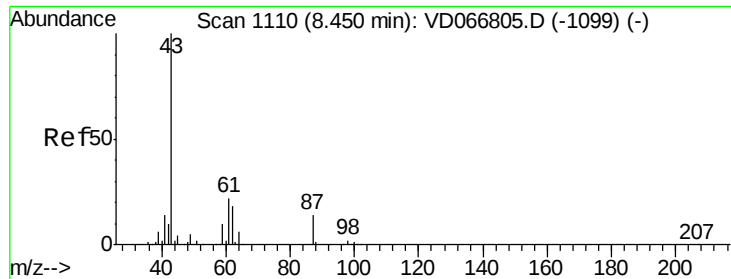
Tgt Ion: 62 Resp: 100122

Ion Ratio Lower Upper

62 100

98 10.3 0.0 19.8





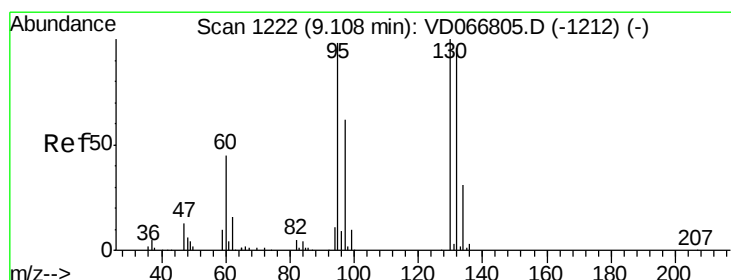
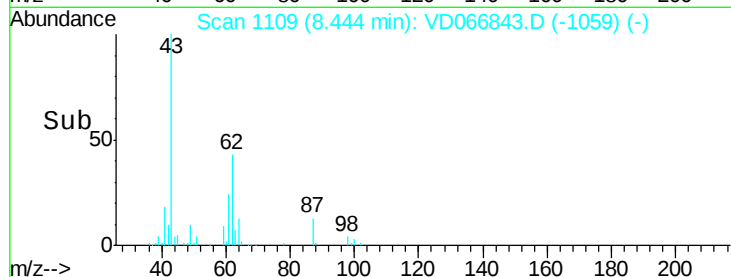
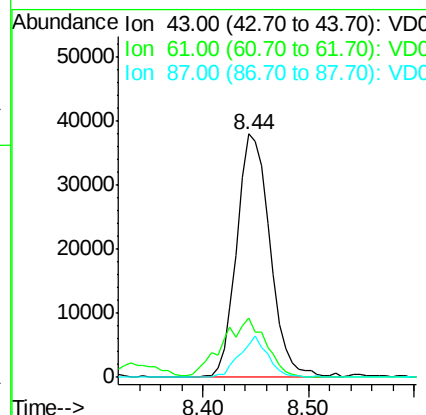
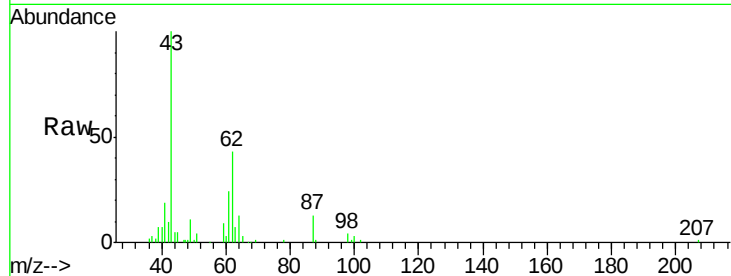
#43
Isopropyl Acetate
Concen: 18.794 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	26.2	39.4
87	14.4	11.5	17.3

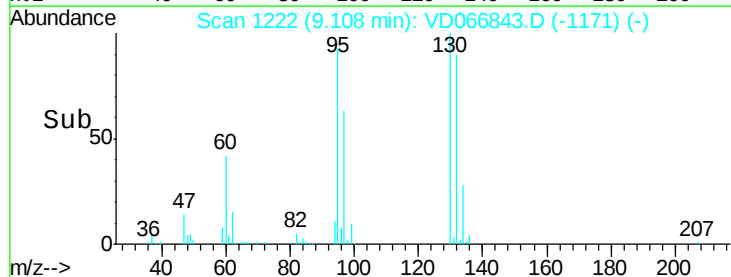
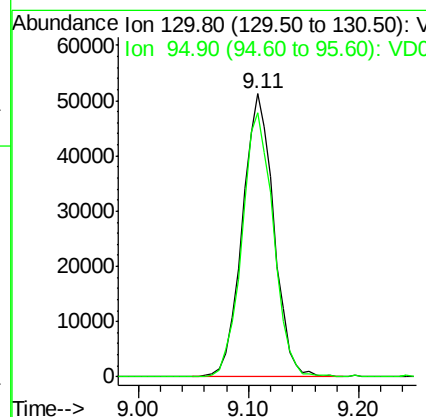
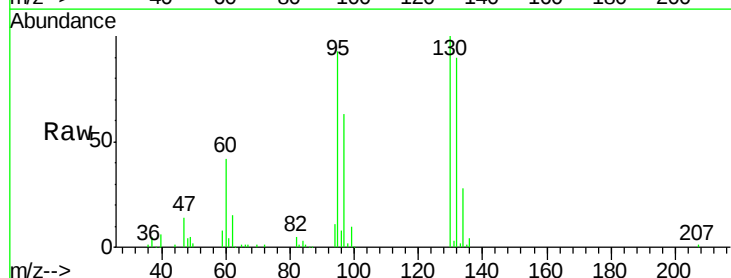
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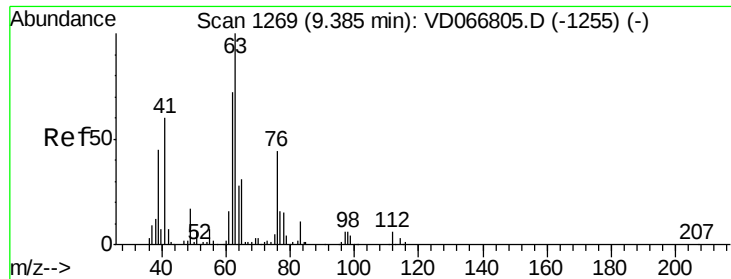
MMDadoda
9/25/2020 4:00:02 PM



#44
Trichloroethene
Concen: 20.249 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	197.0





#45

1,2-Dichloropropane

Concen: 19.965 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 63 Resp: 88842

Ion Ratio Lower Upper

63 100

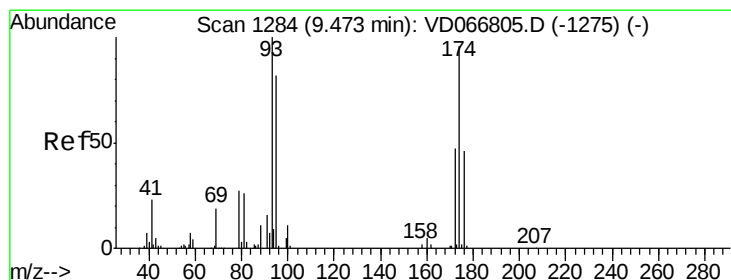
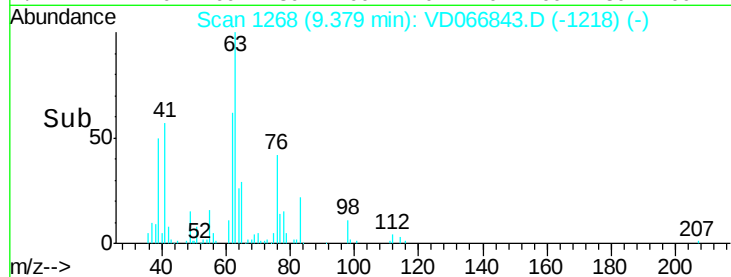
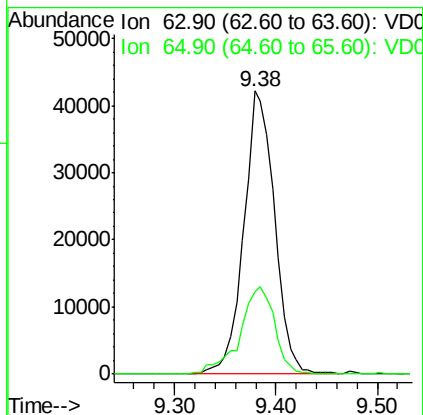
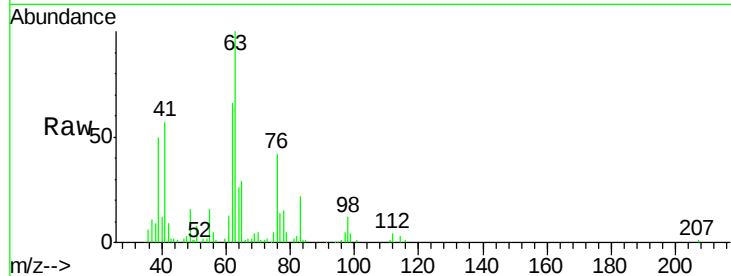
65 29.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.848 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

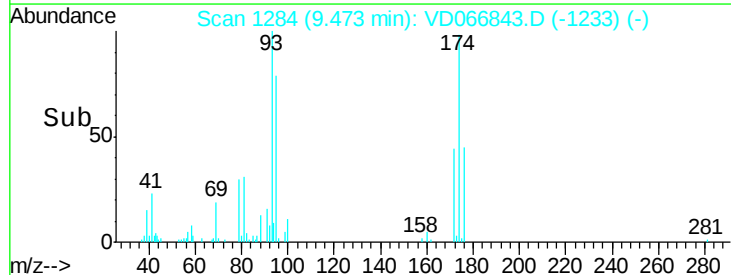
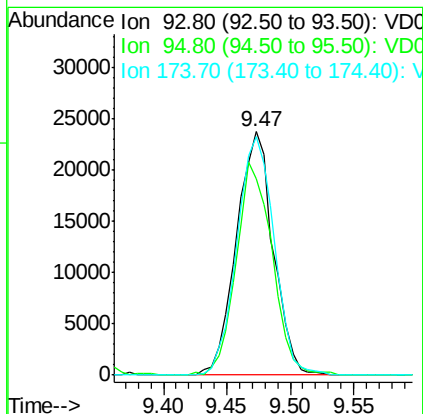
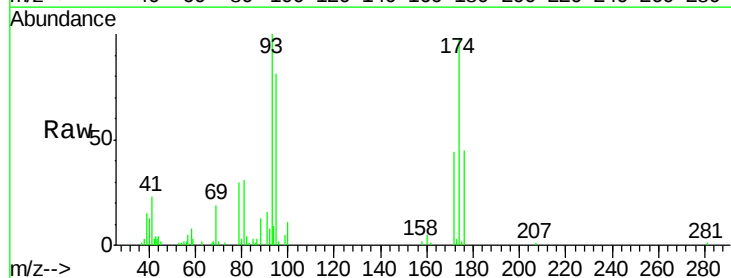
Tgt Ion: 93 Resp: 47989

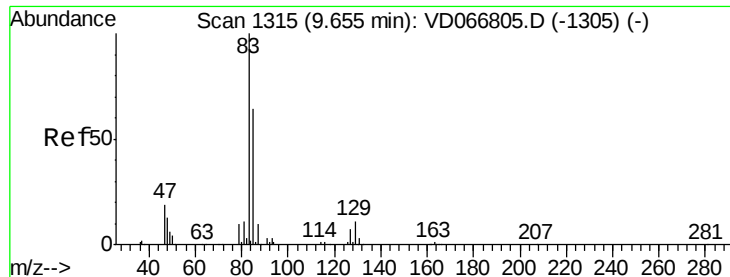
Ion Ratio Lower Upper

93 100

95 85.4 65.3 97.9

174 99.2 75.4 113.2





#47

Bromodichloromethane

Concen: 19.685 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

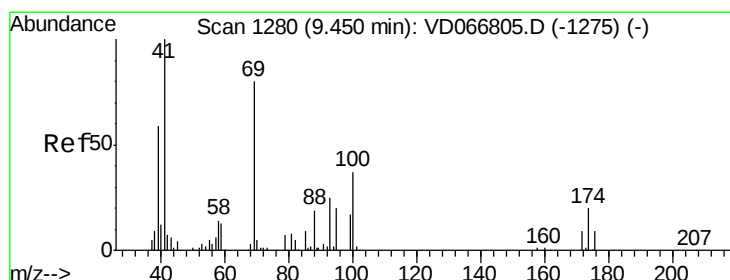
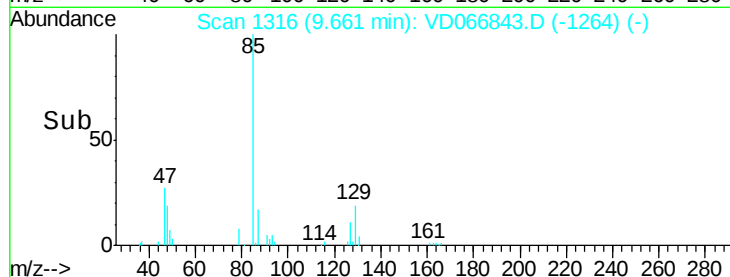
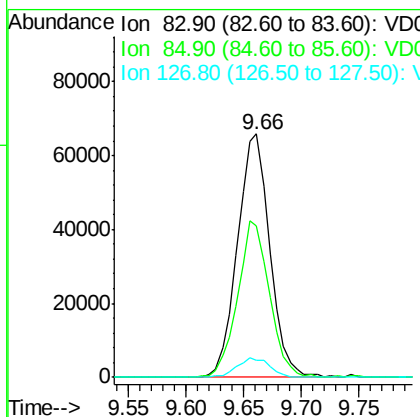
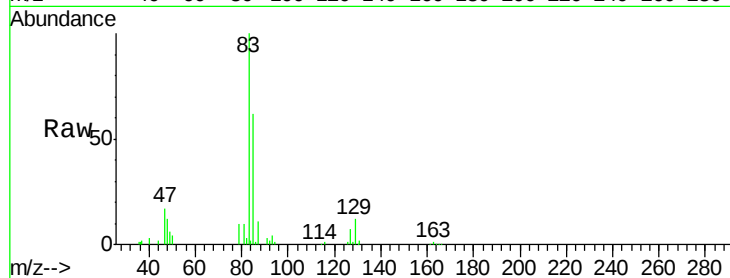
ClientSampleId :

VD0924SBSD01

Tot Ion:	83	Resp:	127853
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.9	76.3
127	7.1	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.663 ug/l

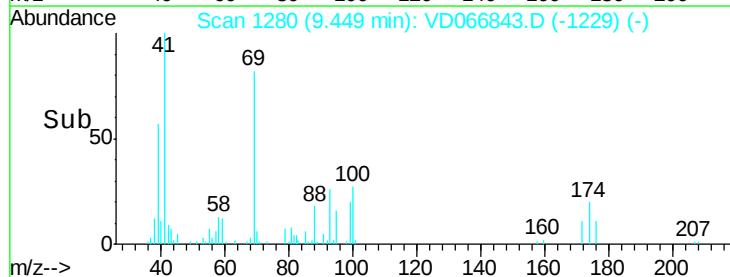
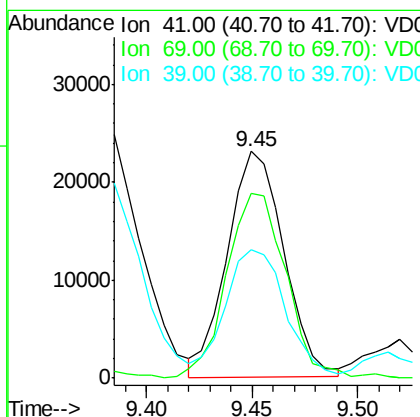
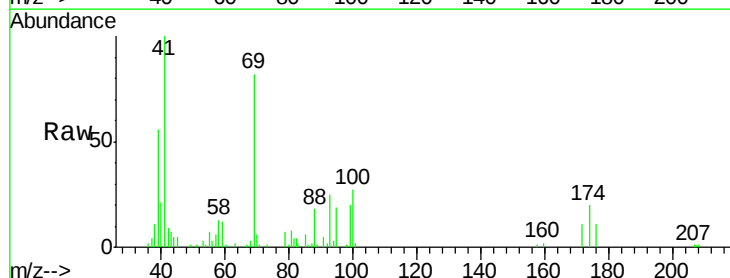
RT: 9.45 min Scan# 1280

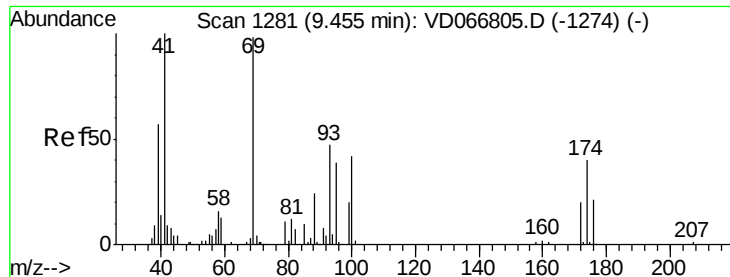
Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	41	Resp:	42881
Ion	Ratio	Lower	Upper
41	100		
69	85.9	74.5	111.7
39	61.2	47.0	70.6





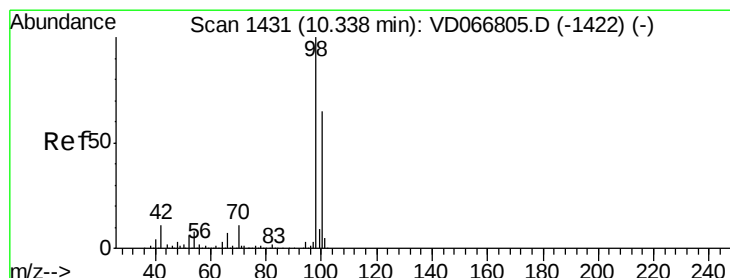
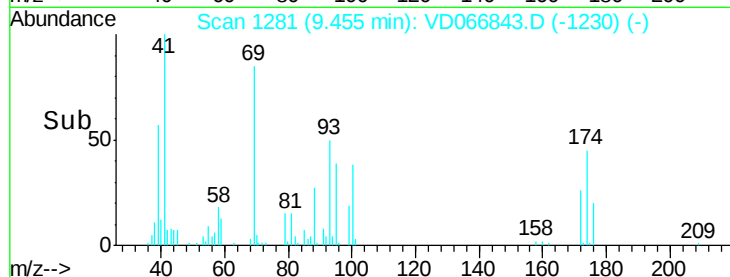
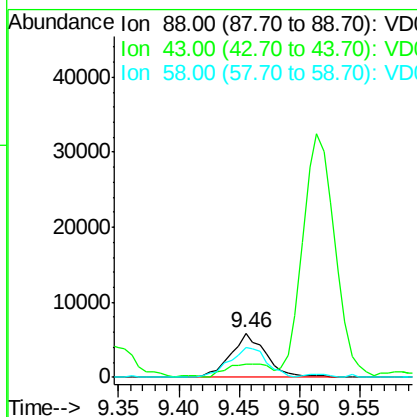
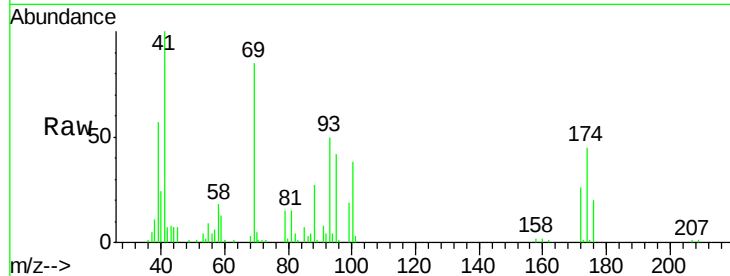
#49
1,4-Dioxane
Concen: 370.636 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	27.7	41.5
58	71.9	55.5	83.3

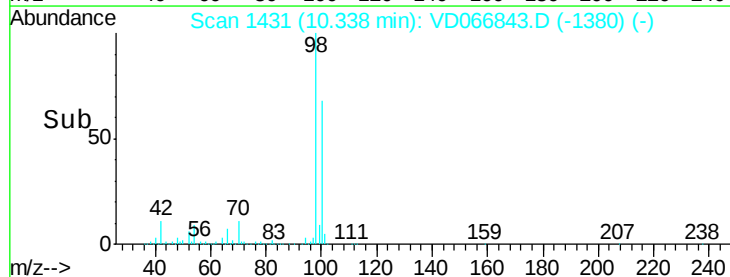
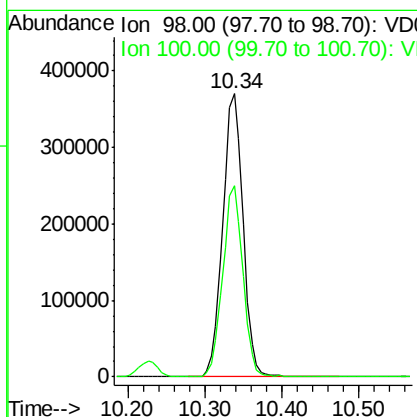
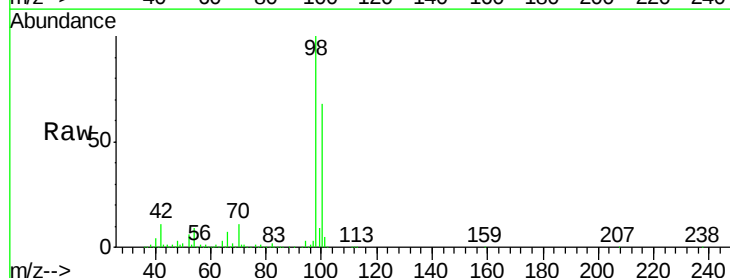
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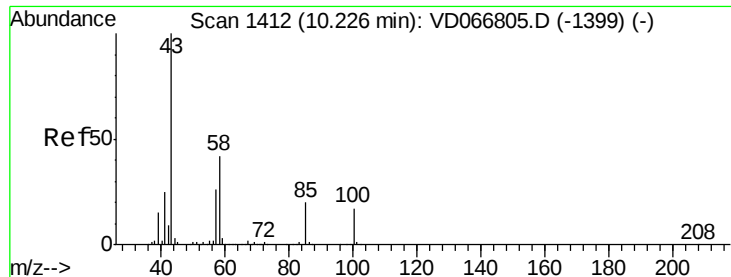
MMDadoda
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#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 93.946 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleID :

VD0924SBS01

Tot Ion: 43 Resp: 210550

Ion Ratio Lower Upper

43 100

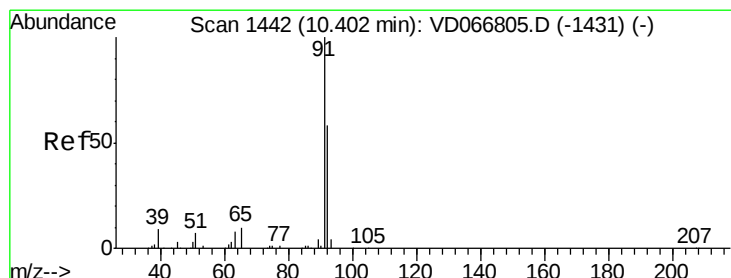
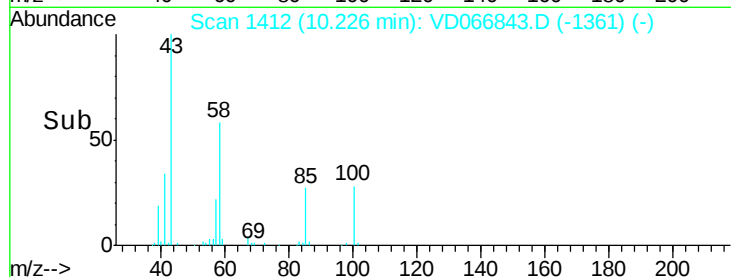
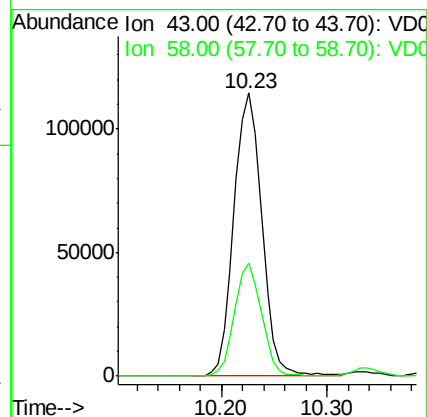
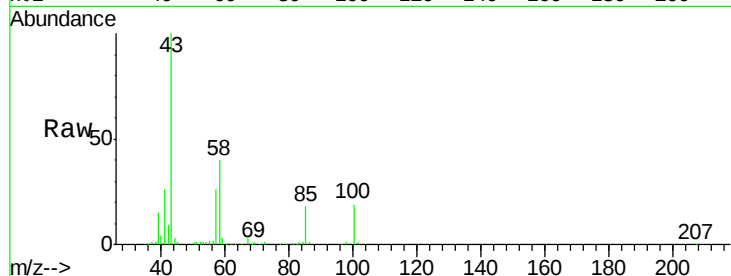
58 38.5 32.2 48.4

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#52

Toluene

Concen: 20.573 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066843.D

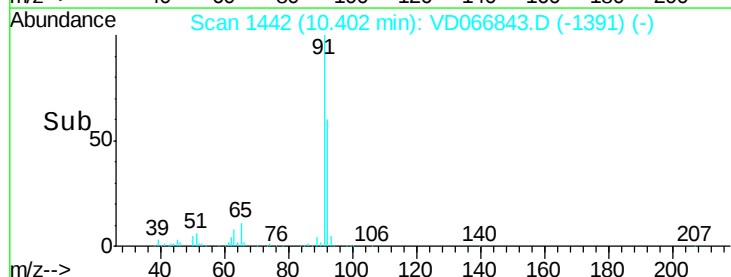
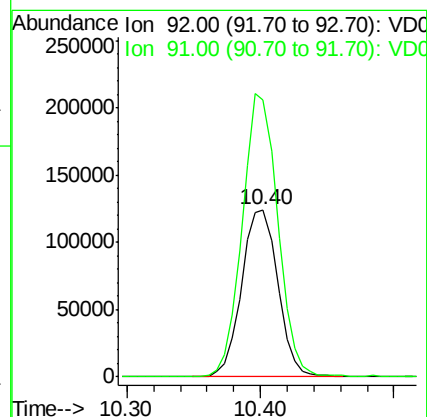
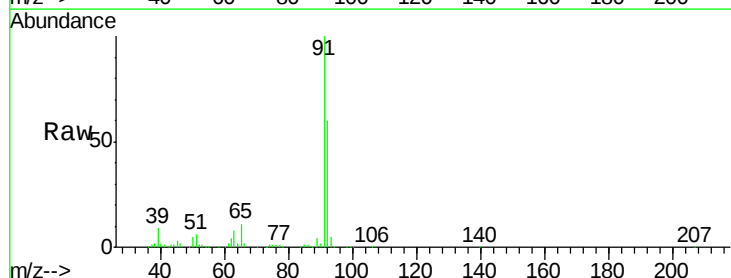
Acq: 24 Sep 2020 11:35

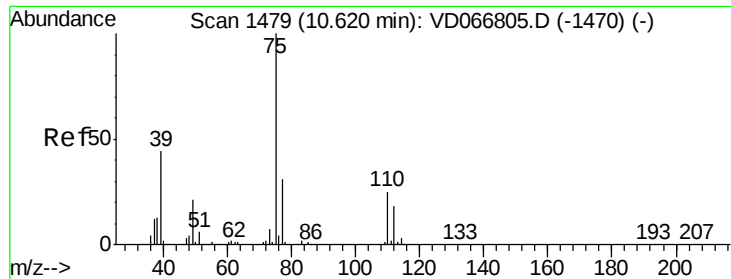
Tgt Ion: 92 Resp: 234384

Ion Ratio Lower Upper

92 100

91 165.7 134.6 202.0





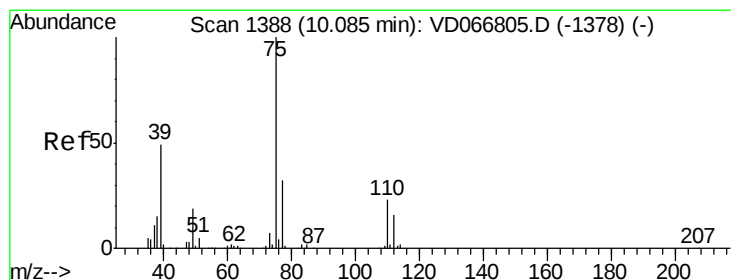
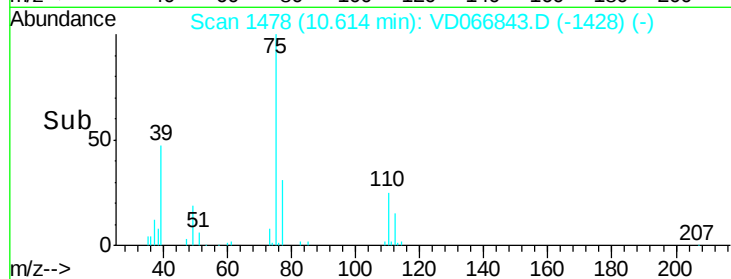
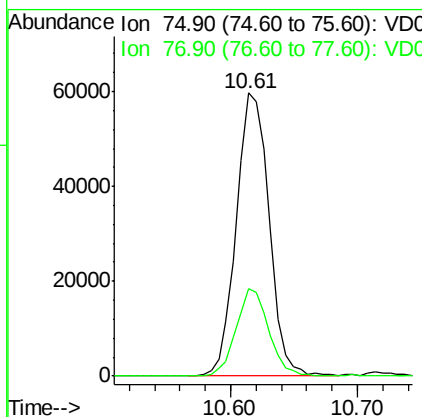
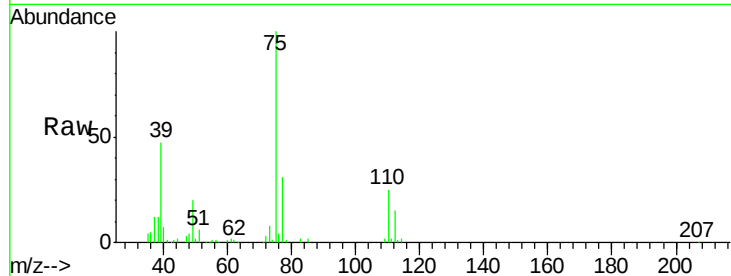
#53
t-1,3-Dichloropropene
Concen: 19.373 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion: 75 Resp: 107093
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7

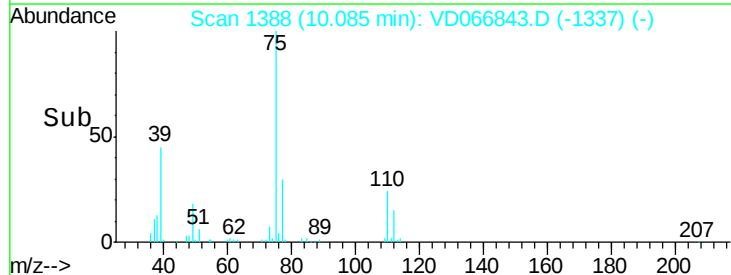
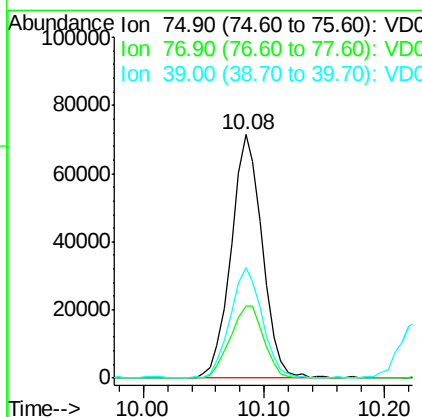
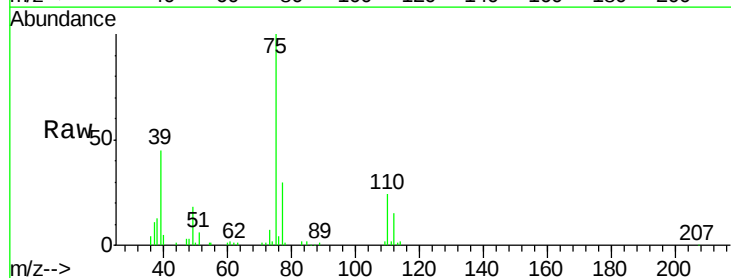
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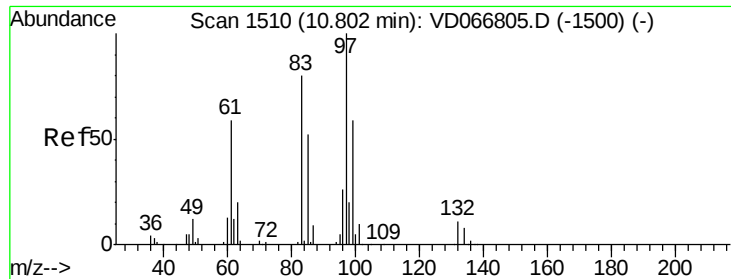
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#54
cis-1,3-Dichloropropene
Concen: 19.095 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion: 75 Resp: 128710
Ion Ratio Lower Upper
75 100
77 29.6 25.6 38.4
39 44.9 39.2 58.8





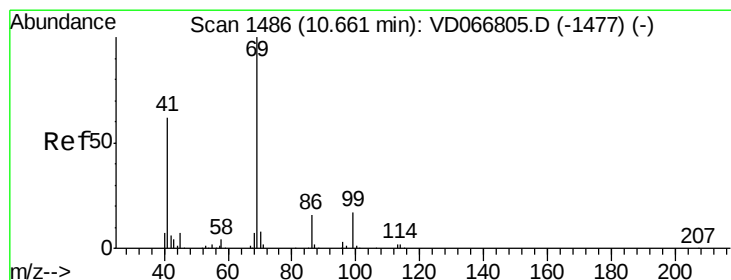
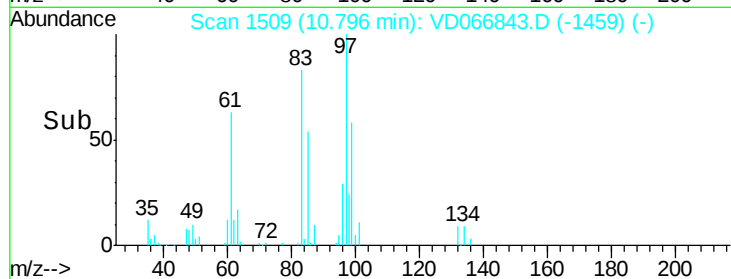
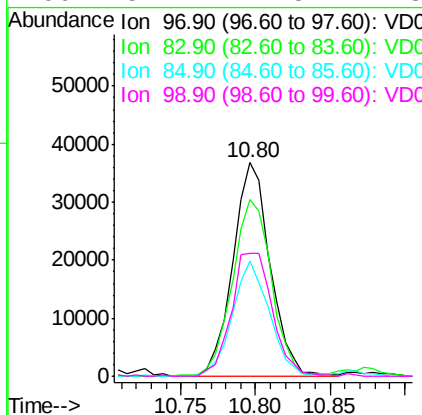
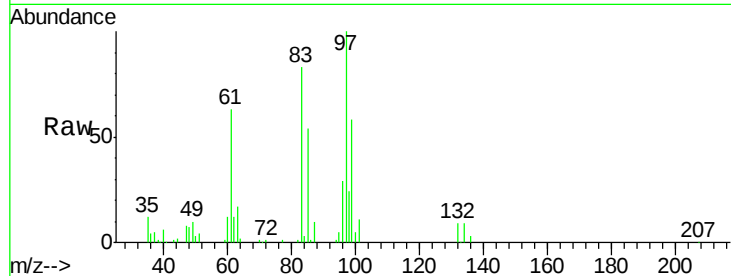
#55
 1,1,2-Trichloroethane
 Concen: 19.301 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion:	97	Resp:	64153
Ion	Ratio	Lower	Upper
97	100		
83	82.5	64.2	96.2
85	53.7	41.9	62.9
99	57.7	47.5	71.3

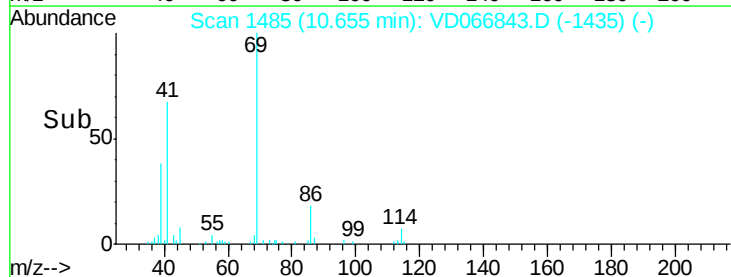
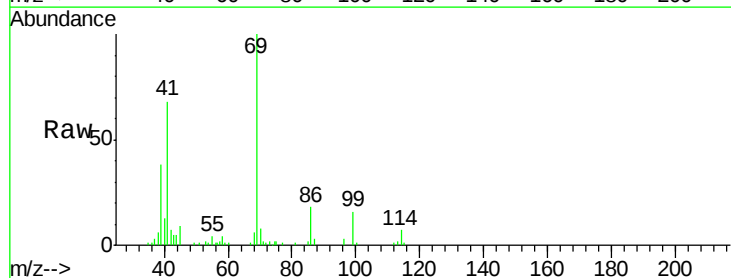
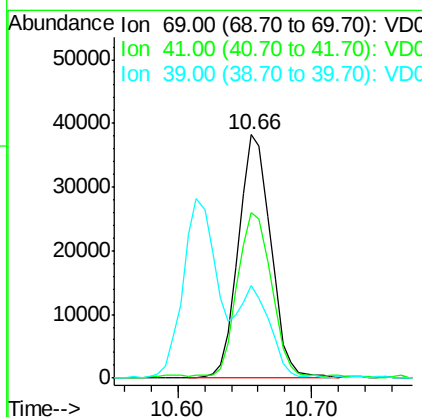
Manual Integrations
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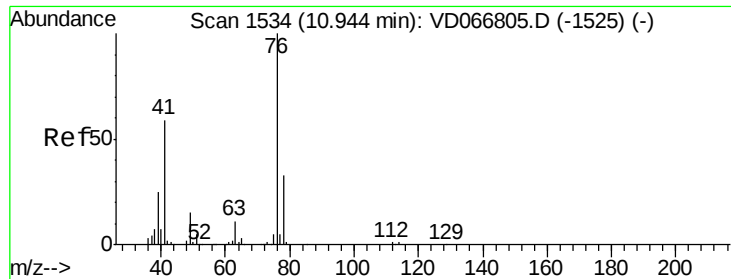
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 9/25/2020 4:00:02 PM



#56
 Ethyl methacrylate
 Concen: 18.059 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion:	69	Resp:	64304
Ion	Ratio	Lower	Upper
69	100		
41	73.1	52.2	78.2
39	32.4	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.994 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 76 Resp: 109736

Ion Ratio Lower Upper

76 100

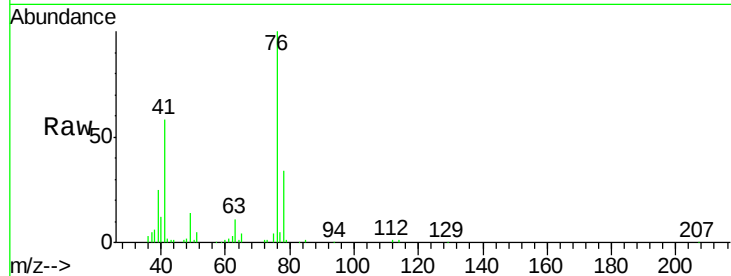
78 31.7 26.3 39.5

Manual Integrations

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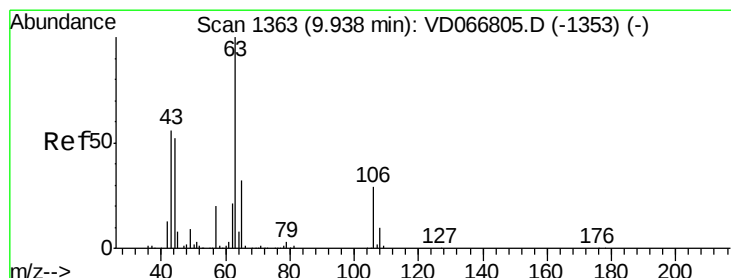
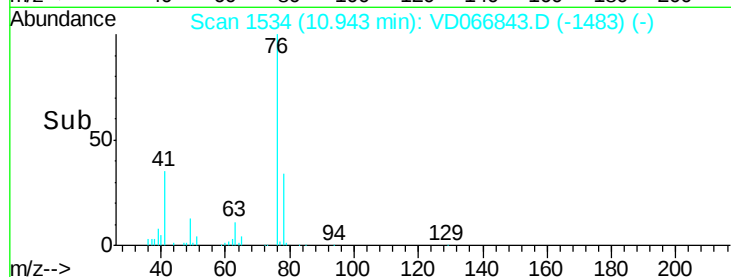
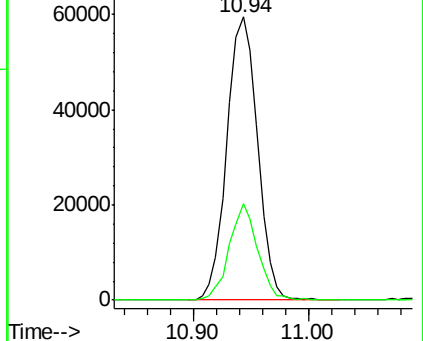
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.843 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066843.D

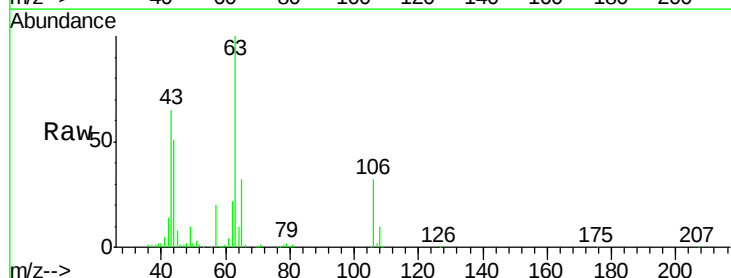
Acq: 24 Sep 2020 11:35

Tgt Ion: 63 Resp: 186877

Ion Ratio Lower Upper

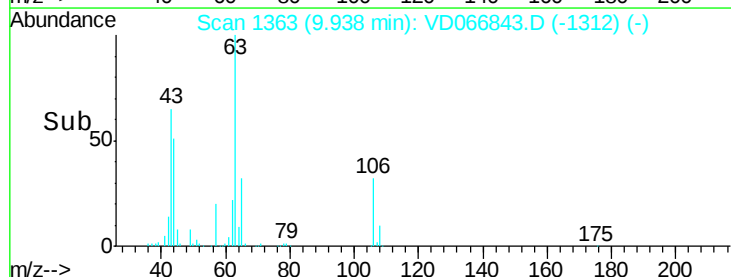
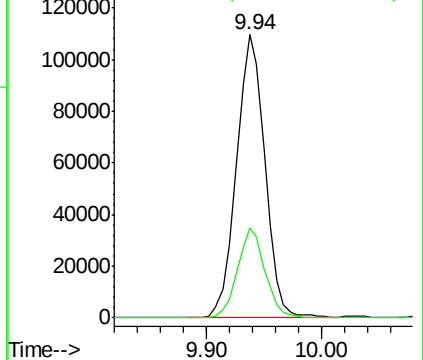
63 100

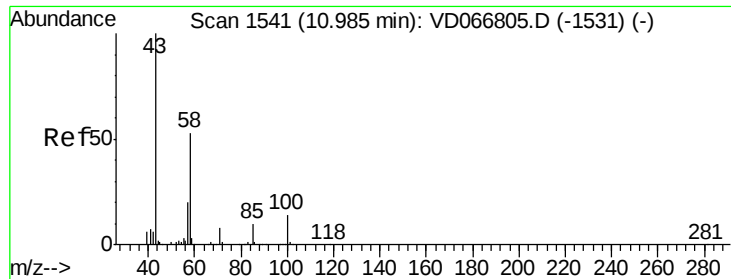
106 30.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





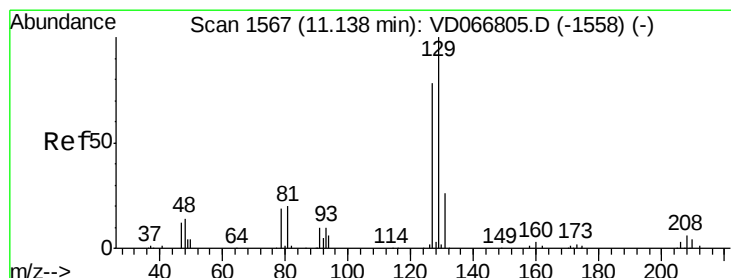
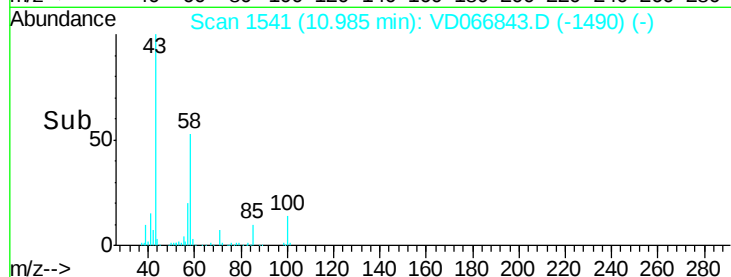
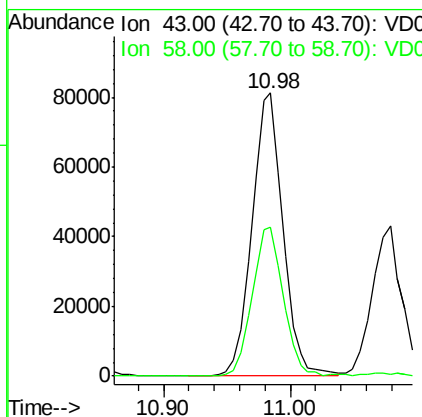
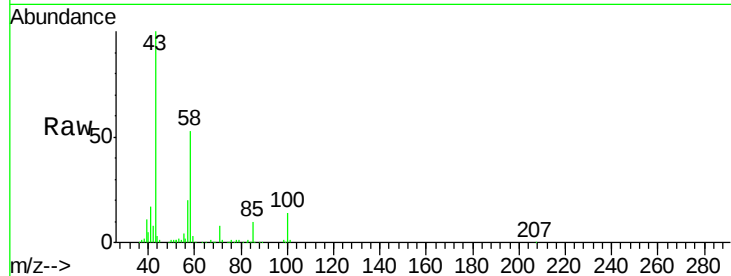
#59
2-Hexanone
Concen: 91.445 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion: 43 Resp: 138210
Ion Ratio Lower Upper
43 100
58 53.2 27.0 80.8

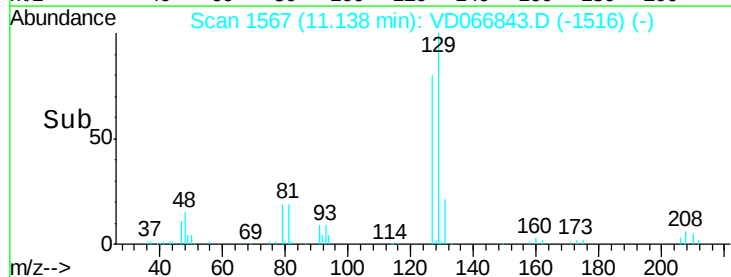
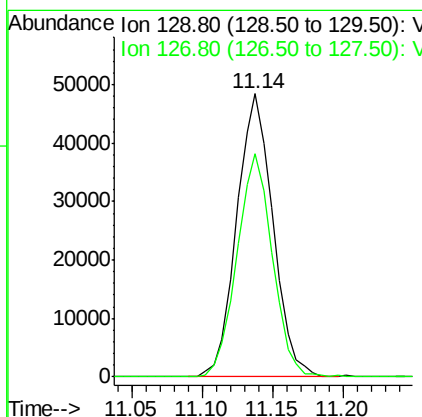
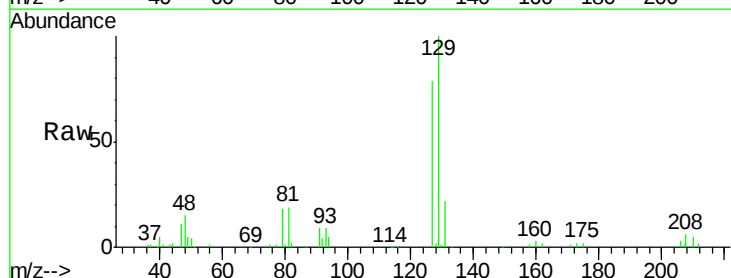
Manual Integrations
APPROVED

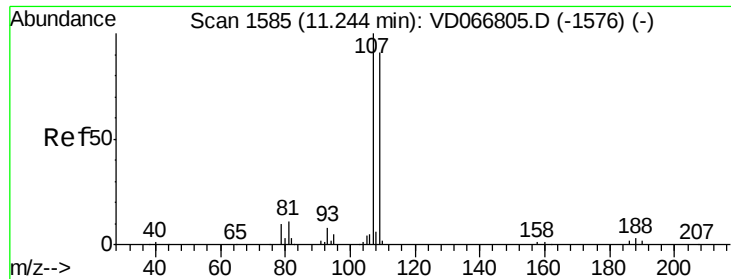
MMDadoda
9/25/2020 4:00:02 PM



#60
Dibromochloromethane
Concen: 20.009 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion: 129 Resp: 86796
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





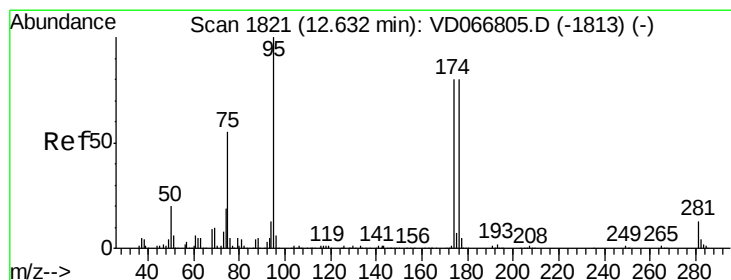
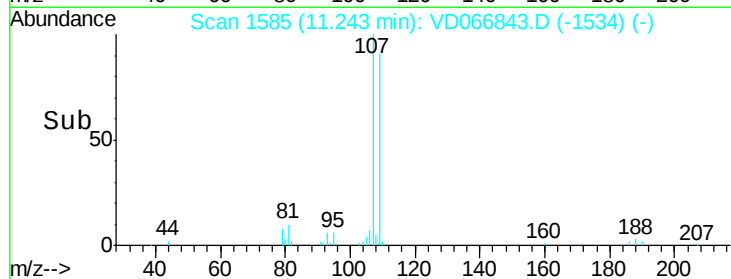
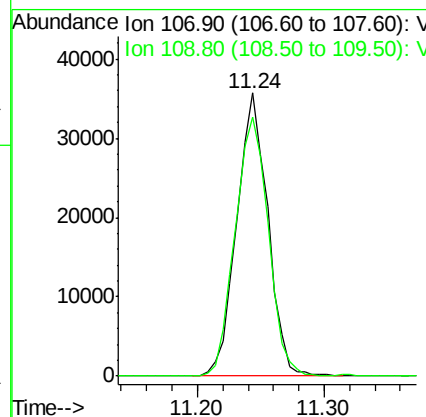
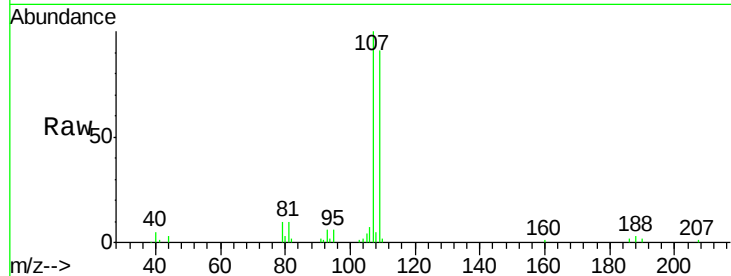
#61
 1,2-Dibromoethane
 Concen: 19.617 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion: 107 Resp: 60646
 Ion Ratio Lower Upper
 107 100
 109 97.7 75.0 112.4

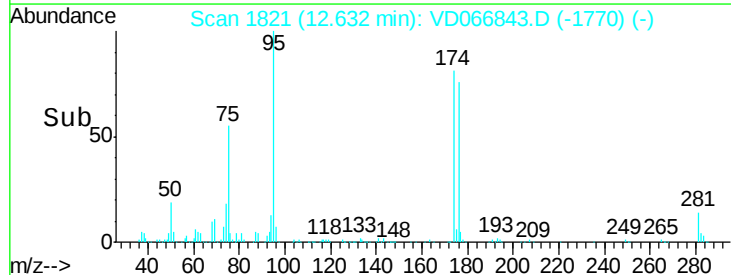
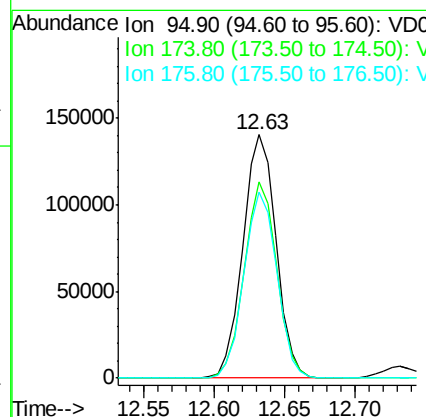
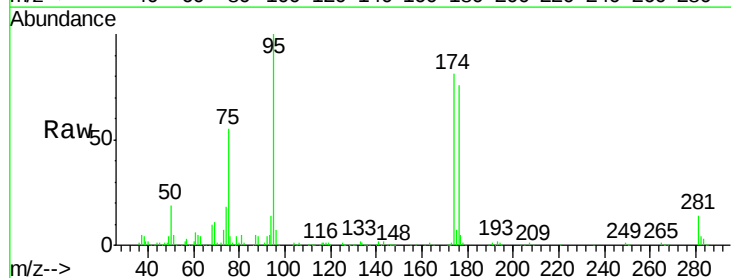
Manual Integrations
 APPROVED

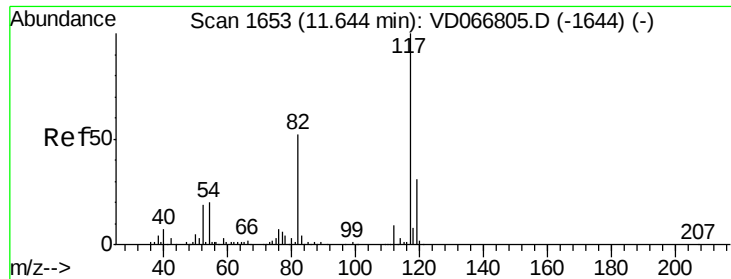
MMDadoda
 9/25/2020 4:00:02 PM



#62
 4-Bromofluorobenzene
 Concen: 48.817 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion: 95 Resp: 231727
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 159.8
 176 76.1 0.0 154.4





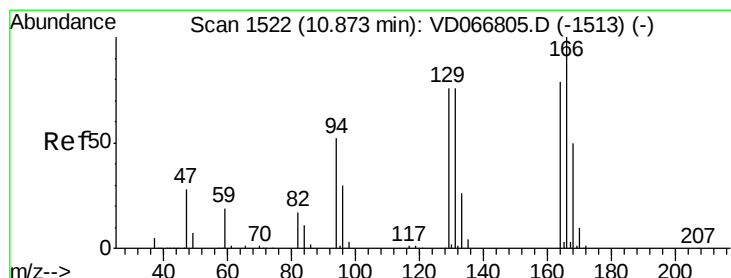
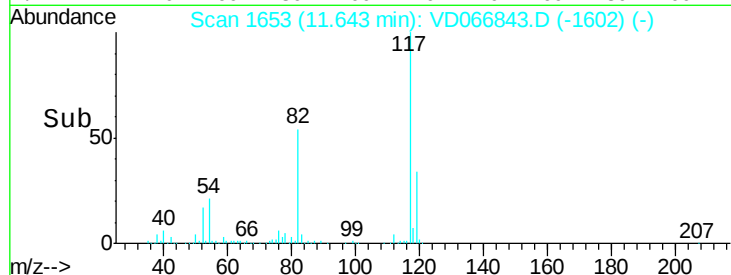
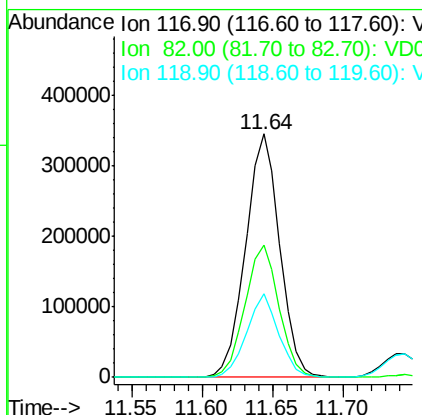
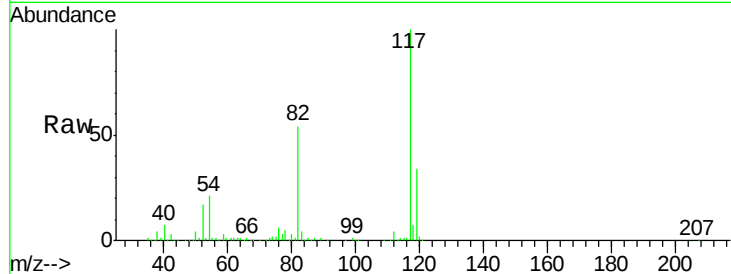
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	583375		
82	54.2		41.8	62.6
119	34.1		24.6	37.0

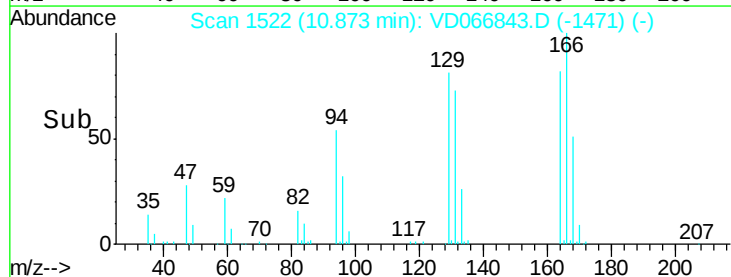
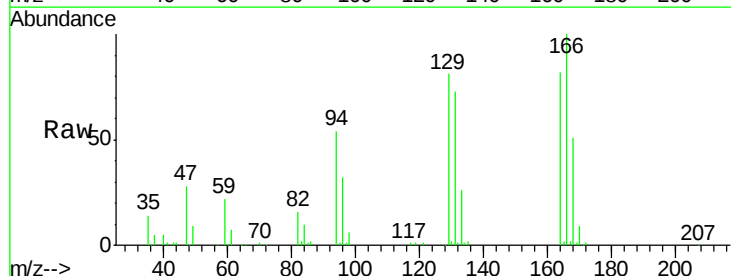
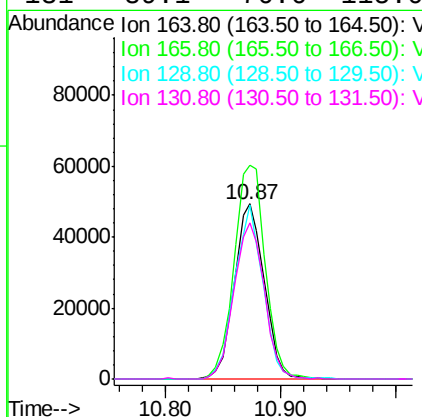
Manual Integrations
APPROVED

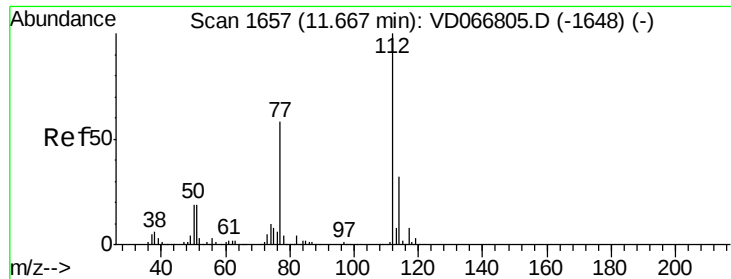
MMDadoda
9/25/2020 4:00:02 PM



#64
Tetrachloroethene
Concen: 21.142 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88717		
166	122.1		101.1	151.7
129	99.3		77.0	115.4
131	89.1		76.6	115.0





#65

Chlorobenzene

Concen: 19.970 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion:112 Resp: 242506

Ion Ratio Lower Upper

112 100

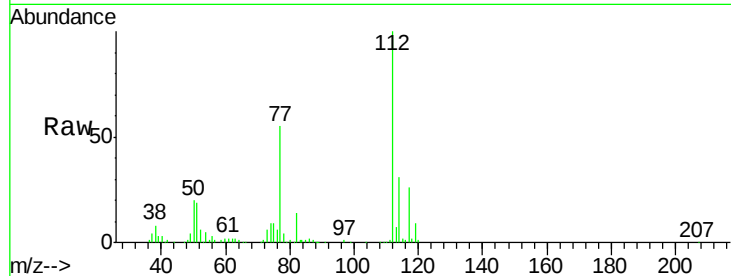
114 30.5 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/25/2020 4:00:02 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

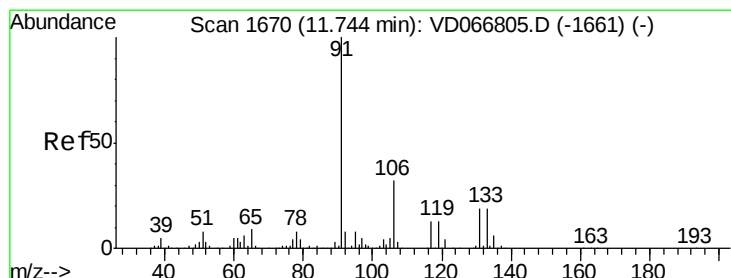
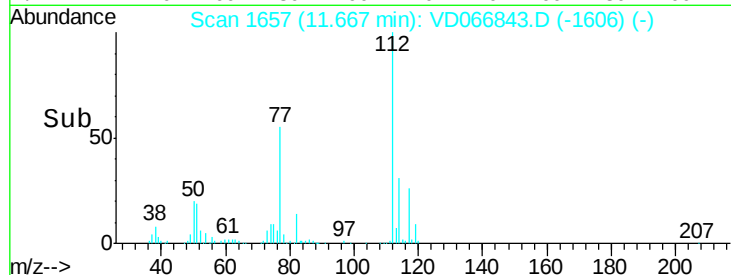
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.519 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

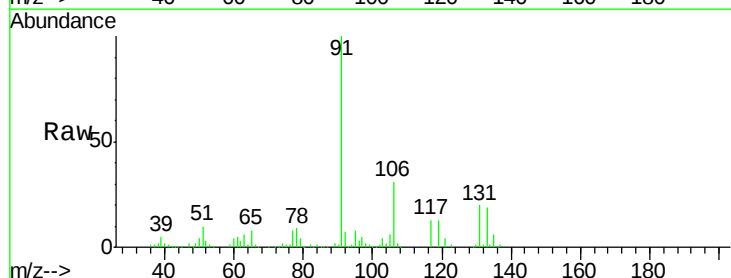
Tgt Ion:131 Resp: 89709

Ion Ratio Lower Upper

131 100

133 99.5 46.7 140.1

119 65.9 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

11.74

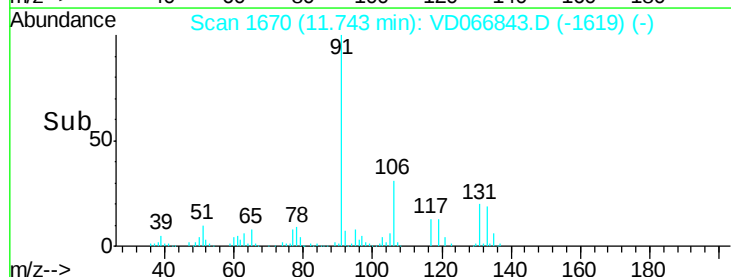
150000

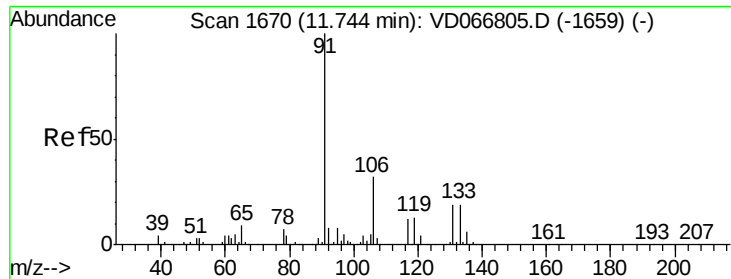
100000

50000

0

Time-->





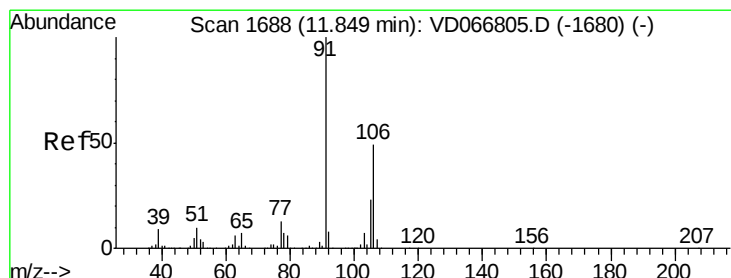
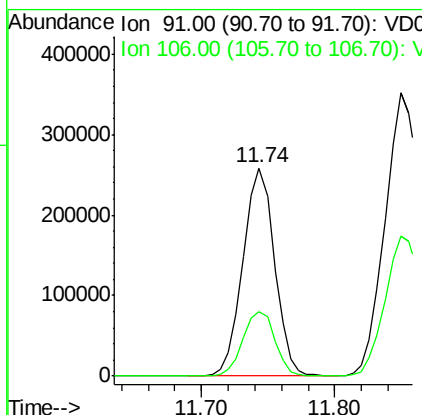
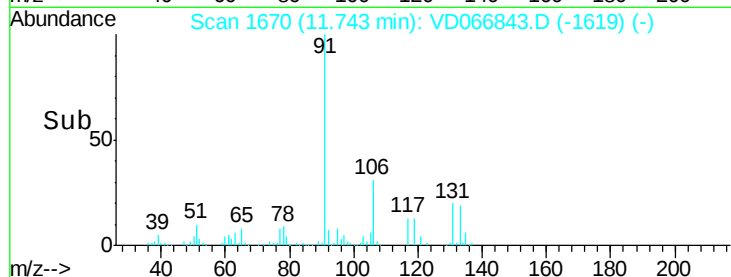
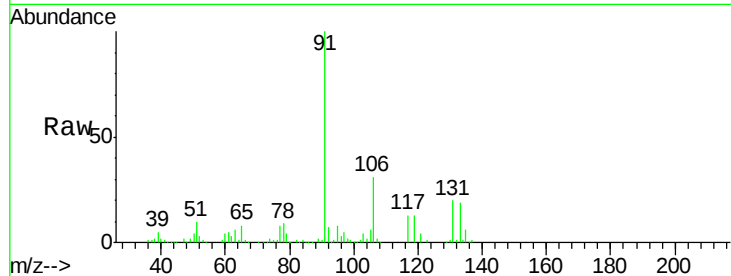
#67
Ethyl Benzene
Concen: 19.885 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 424102
Ion Ratio Lower Upper
91 100
106 30.9 25.6 38.4

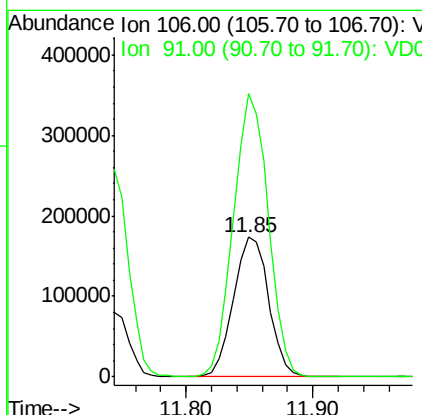
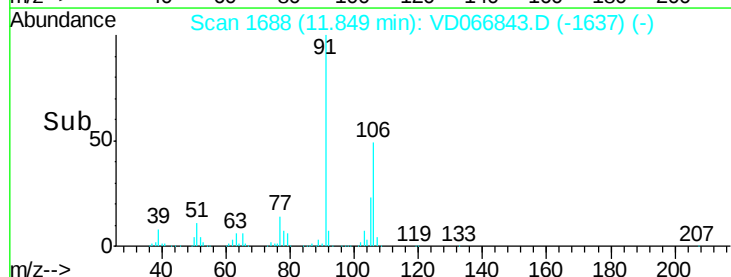
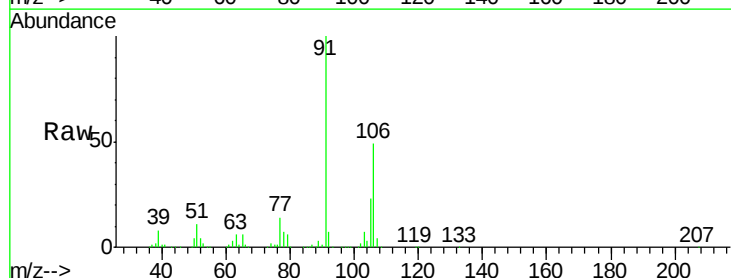
Manual Integrations
APPROVED

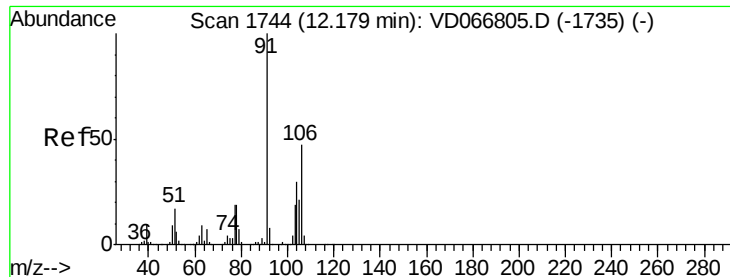
MMDadoda
9/25/2020 4:00:02 PM



#68
m/p-Xylenes
Concen: 41.497 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion: 106 Resp: 335080
Ion Ratio Lower Upper
106 100
91 200.1 160.7 241.1





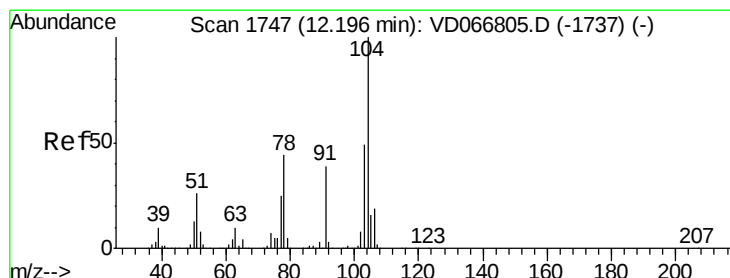
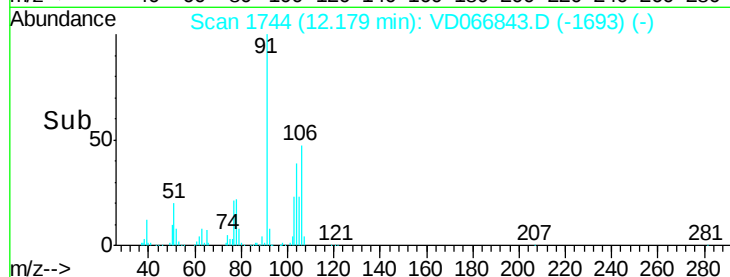
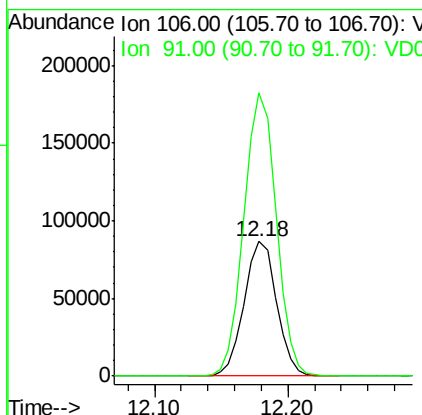
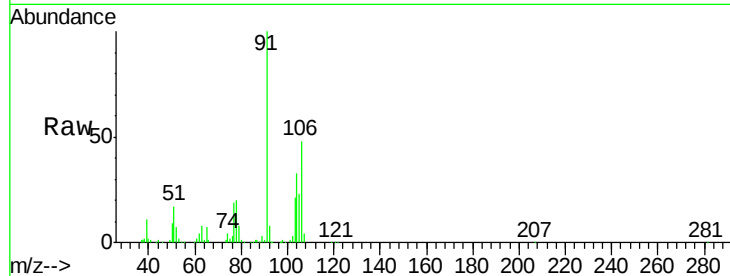
#69
o-Xylene
Concen: 20.027 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		146225		
91	209.4	106.3	318.8		

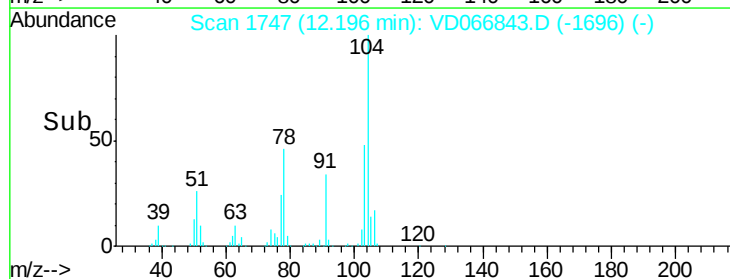
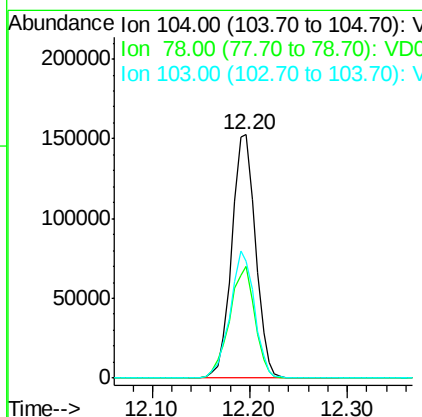
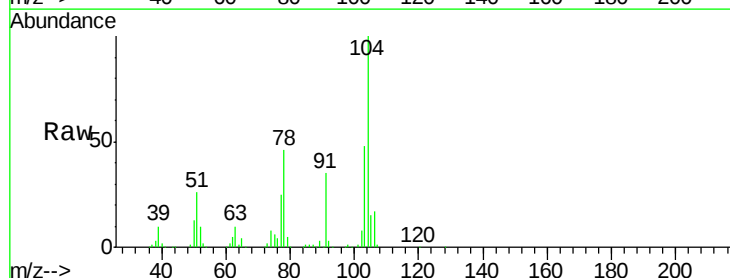
Manual Integrations
APPROVED

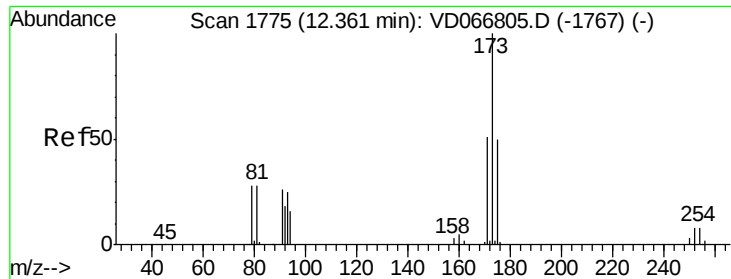
MMDadoda
9/25/2020 4:00:02 PM



#70
Styrene
Concen: 20.411 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		258811		
78	48.9	38.9	58.3		
103	53.7	43.2	64.8		





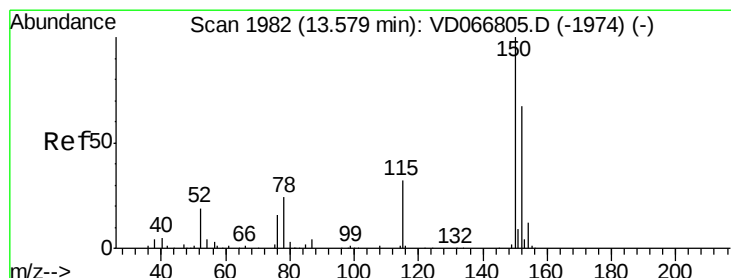
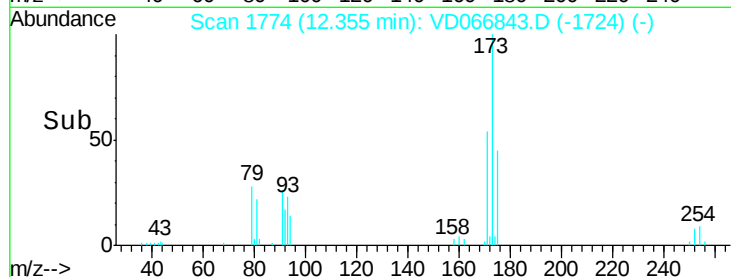
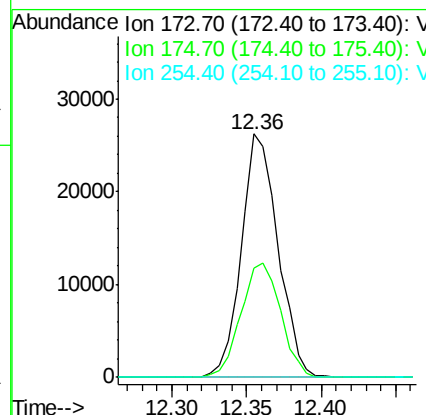
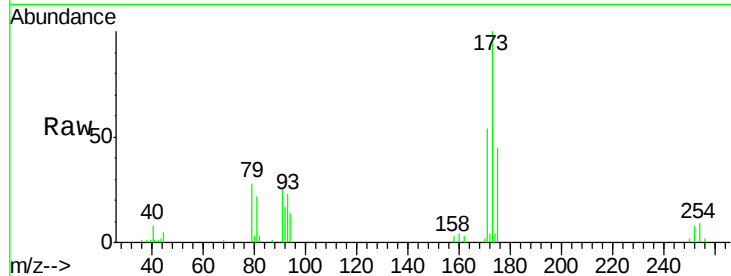
#71
Bromoform
Concen: 19.202 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.9	74.6
254	0.0	0.1	0.1#

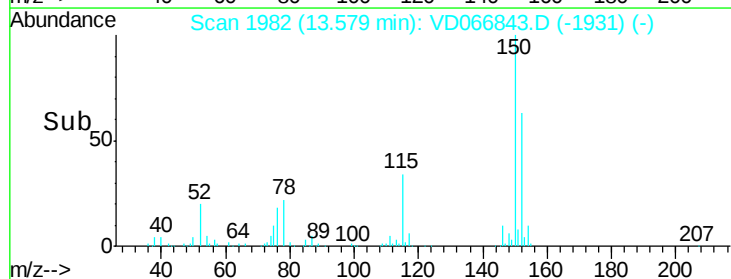
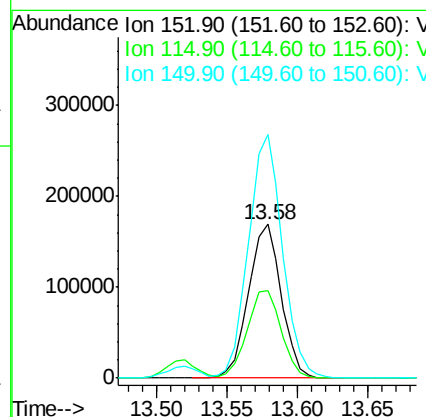
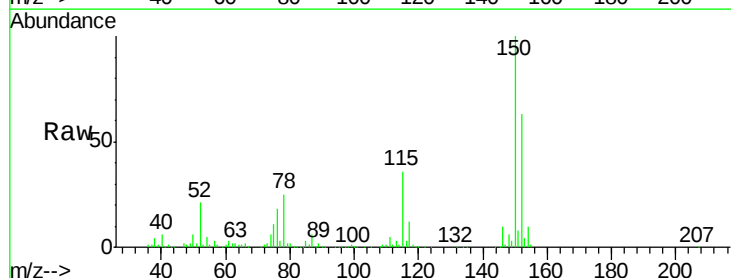
Manual Integrations
APPROVED

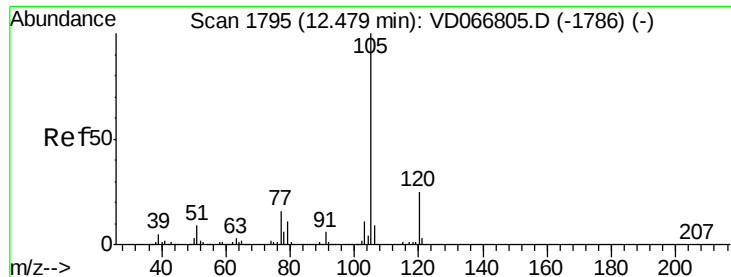
MMDadoda
9/25/2020 4:00:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.3	91.0
150	164.8	0.0	346.2





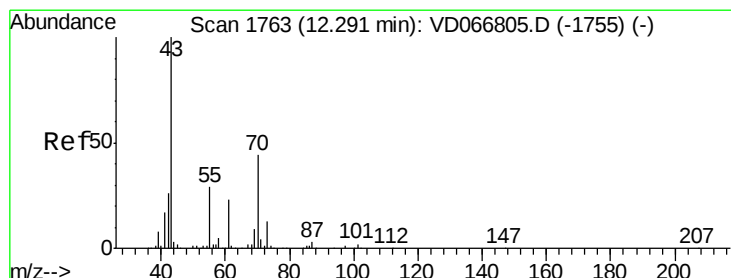
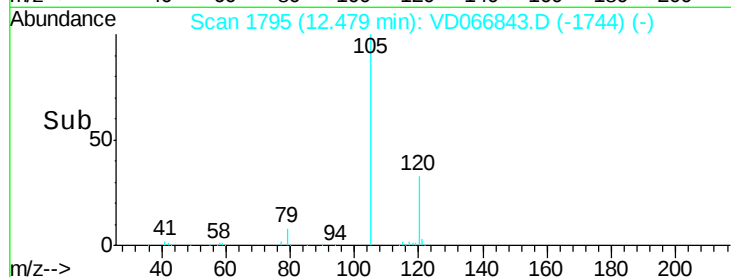
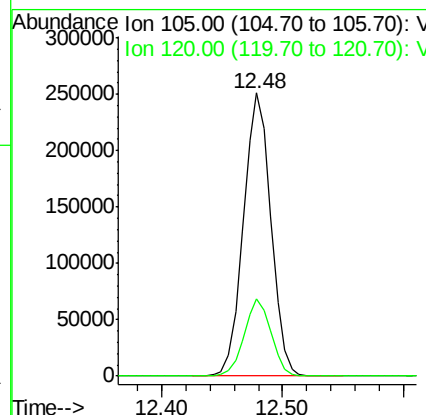
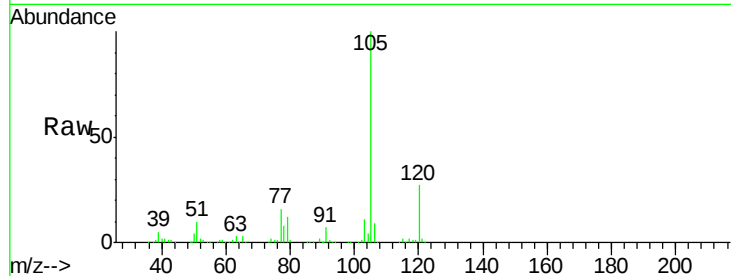
#73
Isopropylbenzene
Concen: 19.970 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.6

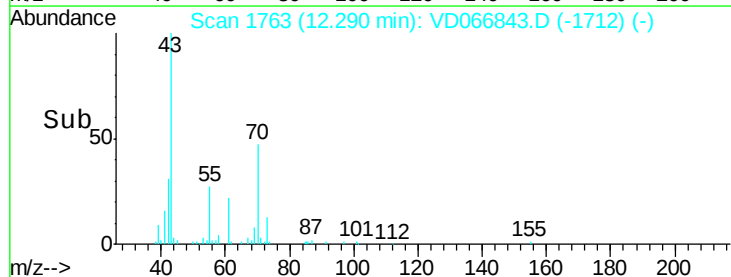
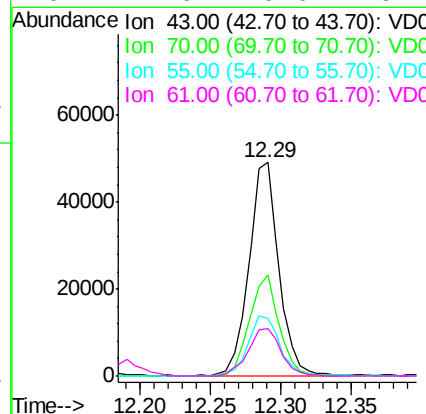
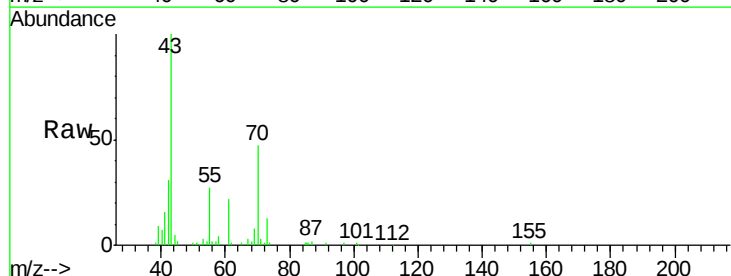
Manual Integrations
APPROVED

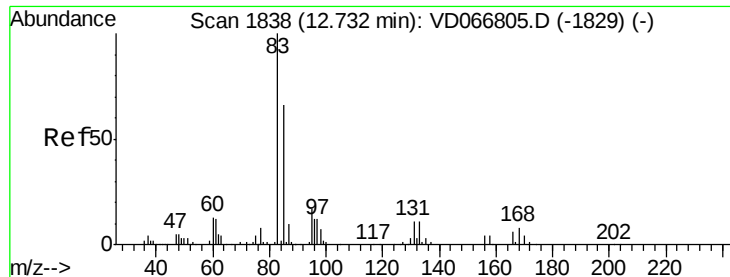
MMDadoda
9/25/2020 4:00:02 PM



#74
N-ethyl acetate
Concen: 18.745 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.1	54.1
55	29.7	21.8	32.8
61	24.6	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.430 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

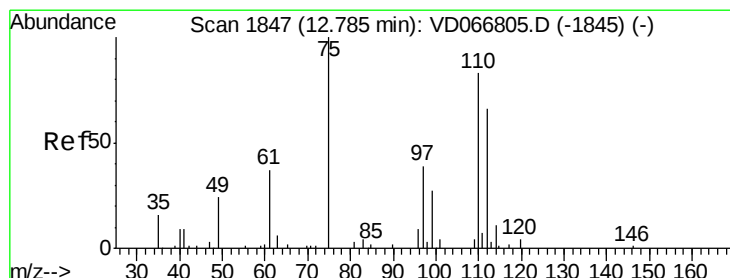
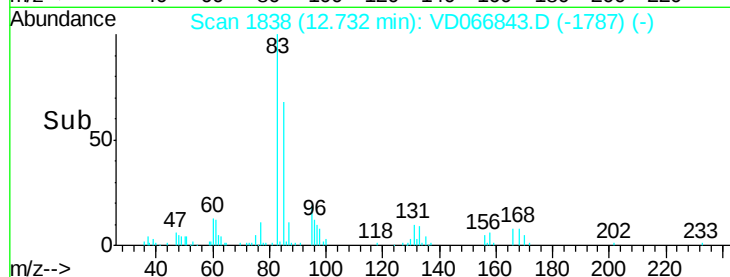
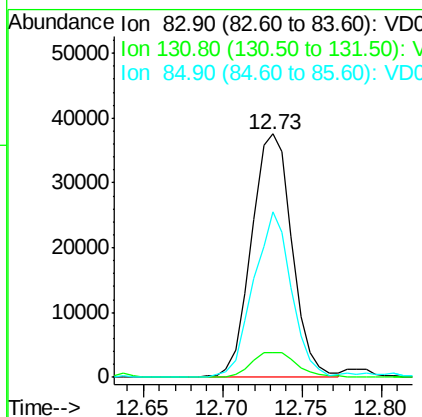
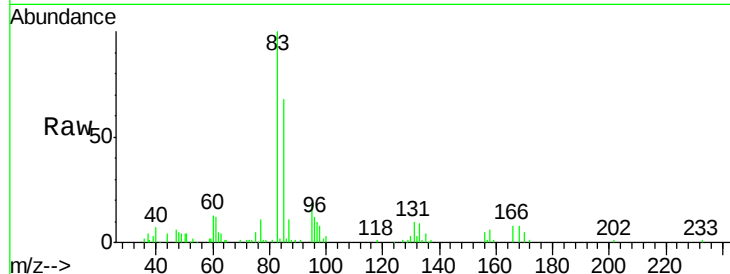
ClientSampleId :

VD0924SBS01

Tot Ion:	83	Resp:	66831
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	63.9	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.553 ug/l m

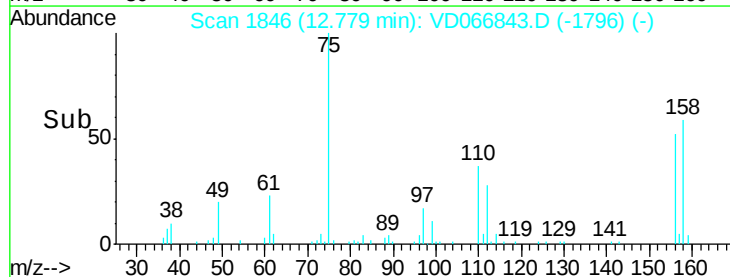
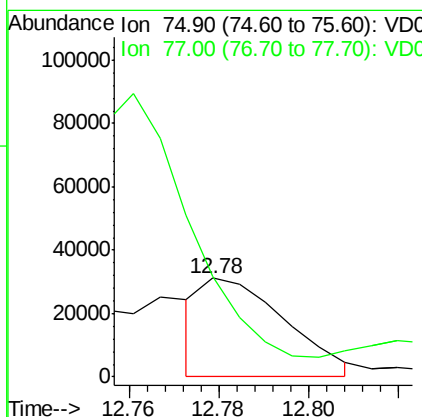
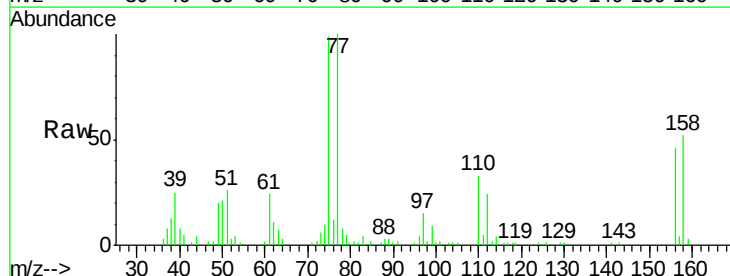
RT: 12.78 min Scan# 1846

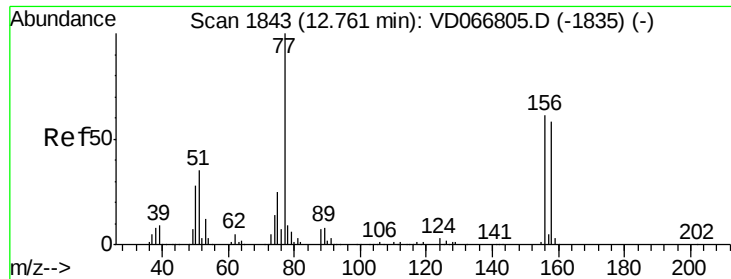
Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	75	Resp:	40139
Ion Ratio	Lower	Upper	
75	100		
77	422.3	0.0	0.0#





#77

Bromobenzene

Concen: 20.276 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

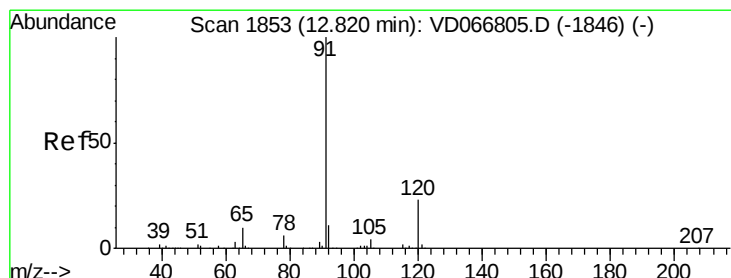
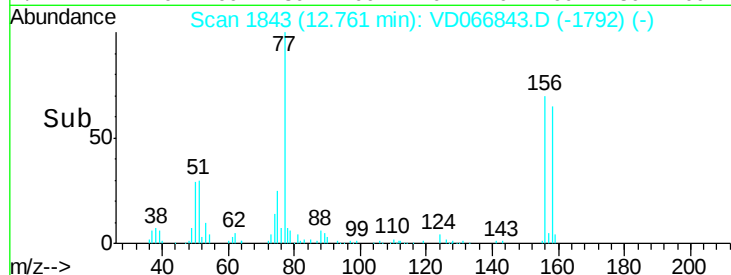
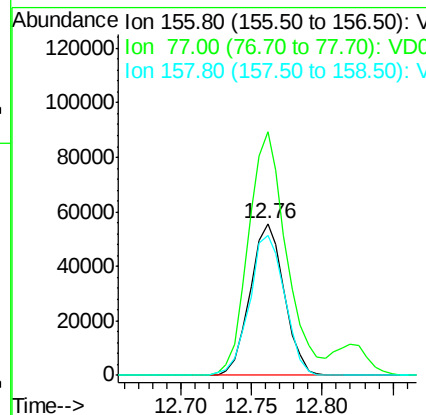
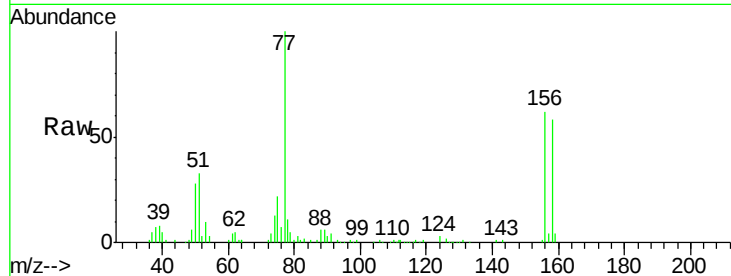
ClientSampleId :

VD0924SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	179.3	92.3	276.9	
158	95.2	47.6	142.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.646 ug/l

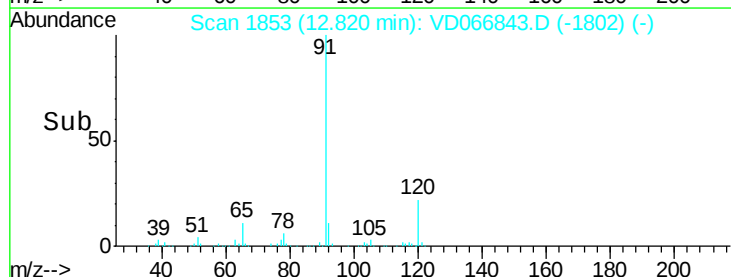
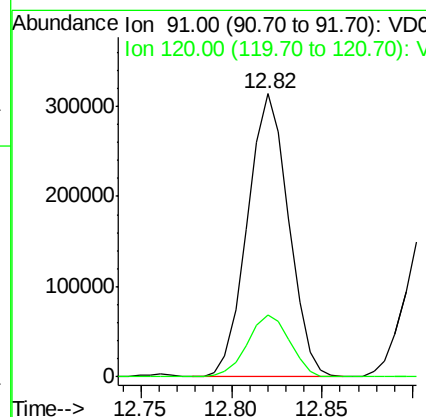
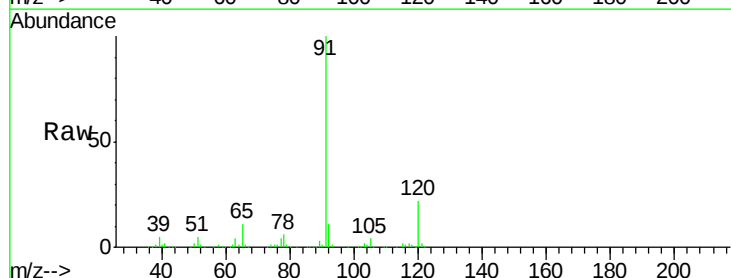
RT: 12.82 min Scan# 1853

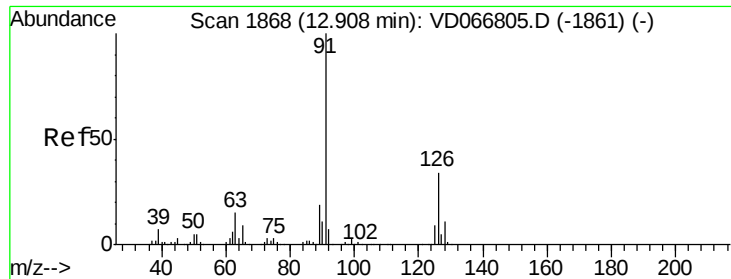
Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.6	11.4	34.2	





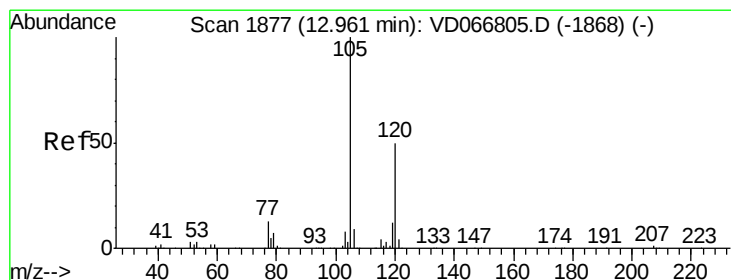
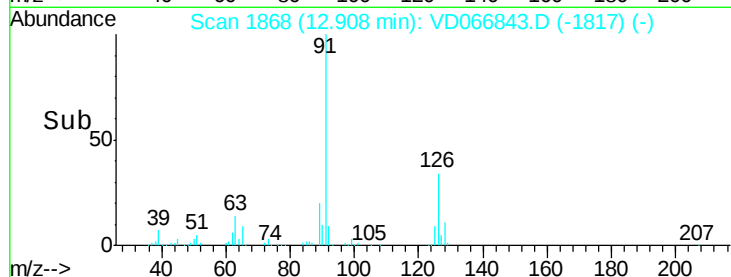
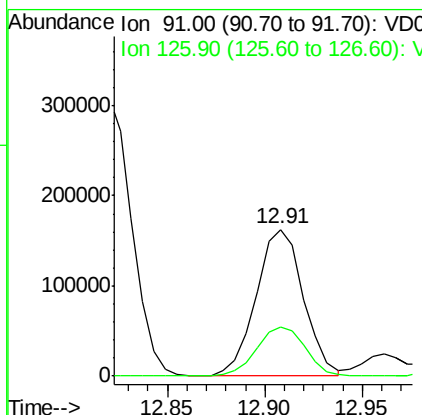
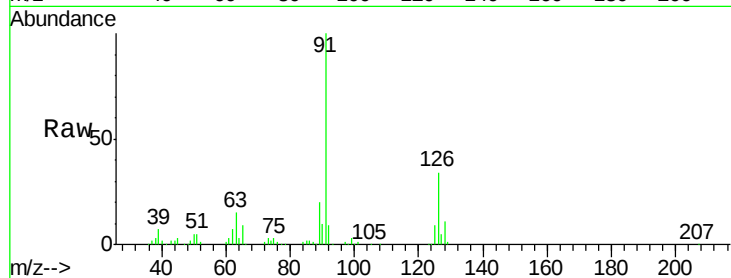
#79
 2-Chlorotoluene
 Concen: 19.917 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

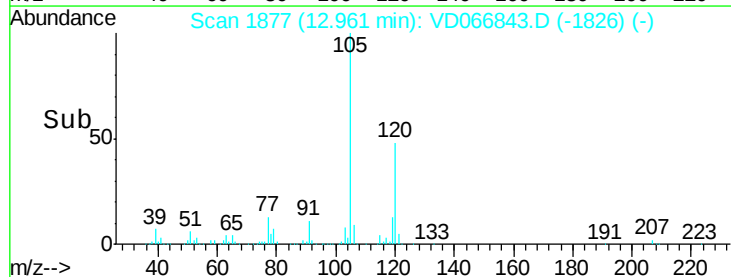
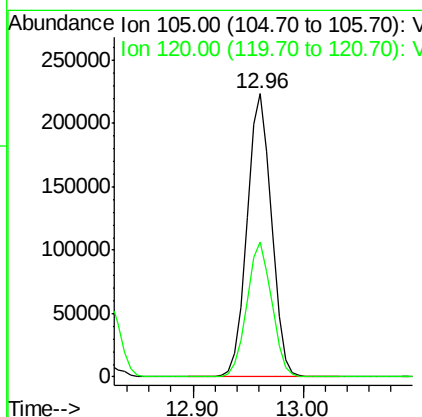
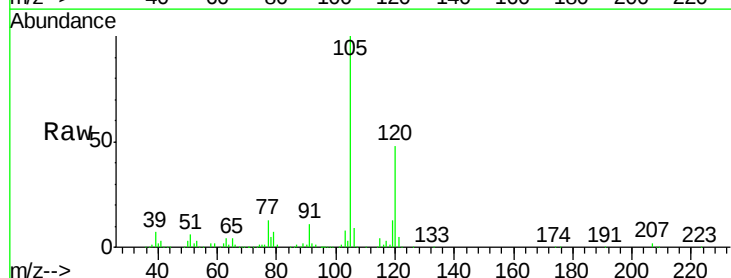
Manual Integrations
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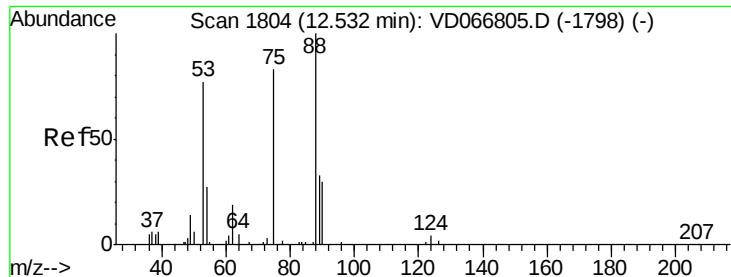
MMDadoda
 9/25/2020 4:00:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.564 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.4	73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.351 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

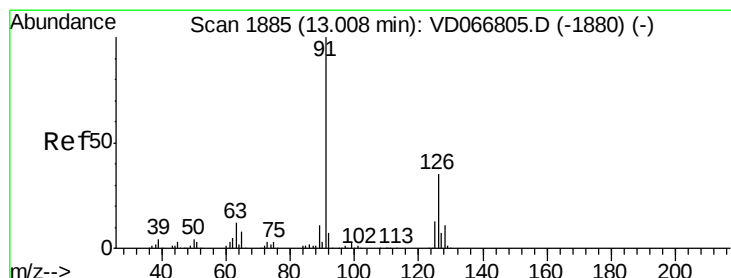
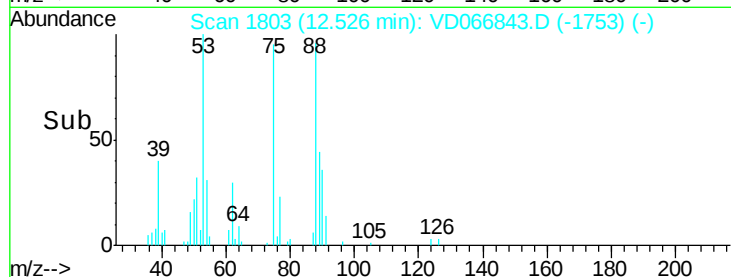
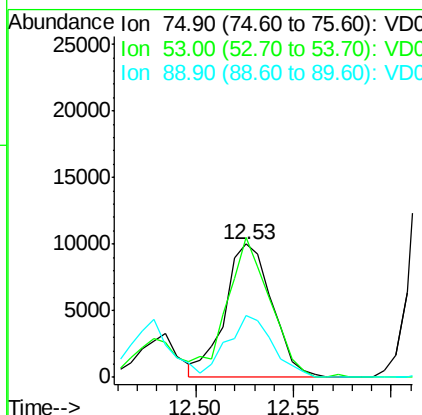
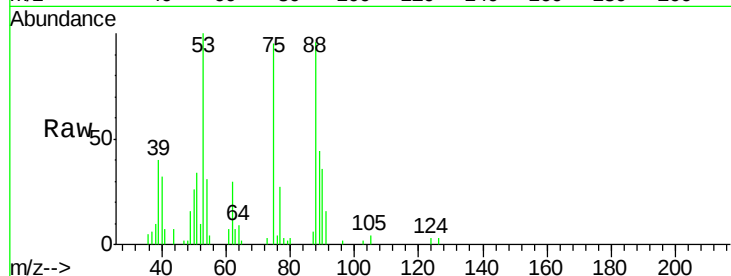
ClientSampleId :

VD0924SBSD01

Tot Ion:	75	Resp:	16773
Ion	Ratio	Lower	Upper
75	100		
53	95.6	78.5	117.7
89	44.3	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.665 ug/l

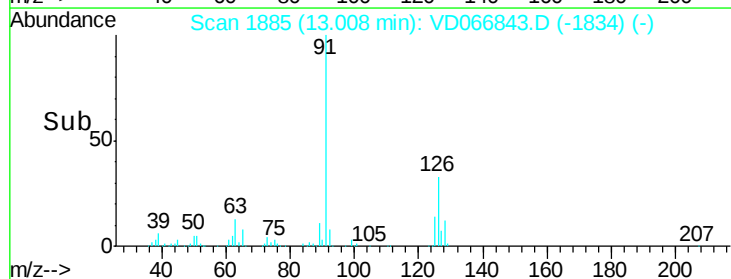
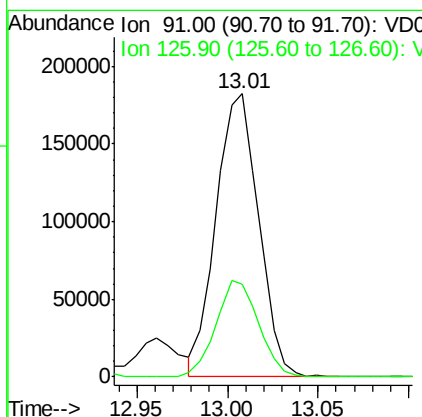
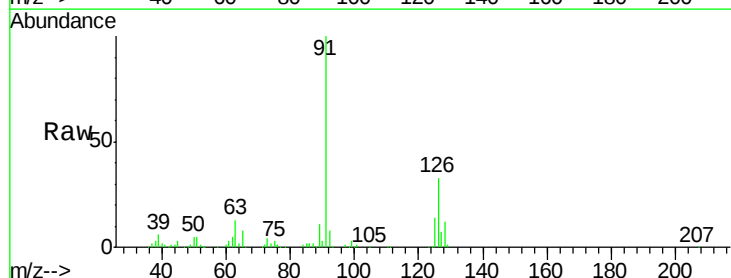
RT: 13.01 min Scan# 1885

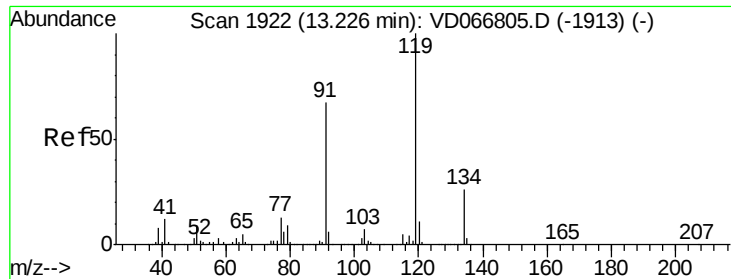
Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Tgt Ion:	91	Resp:	297690
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.2





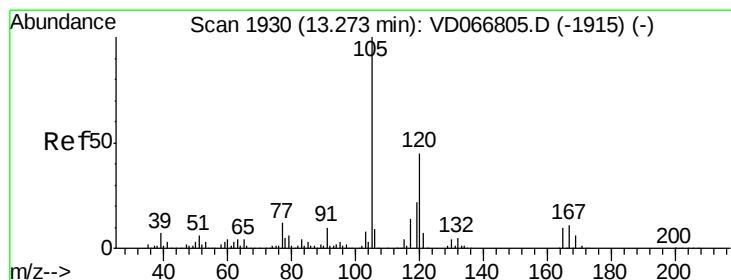
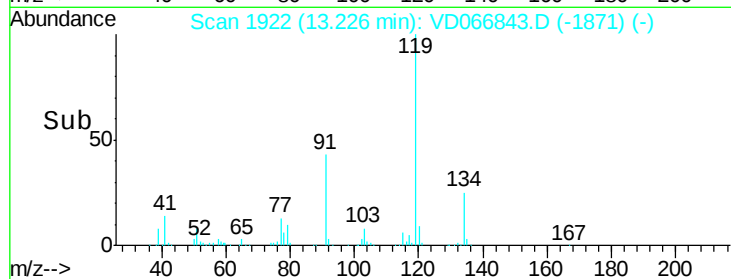
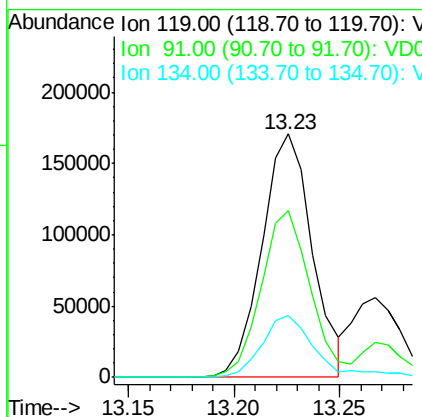
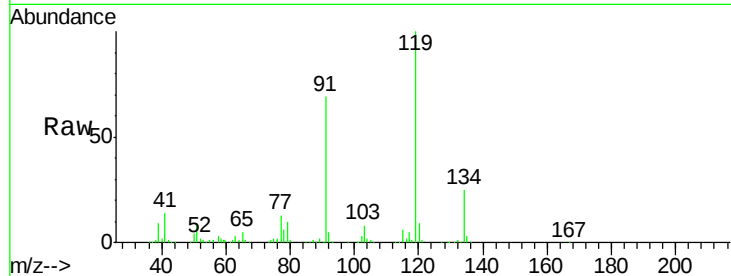
#83
tert-Butylbenzene
Concen: 20.332 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282581		
91	67.3		33.6	100.8
134	27.2		13.5	40.4

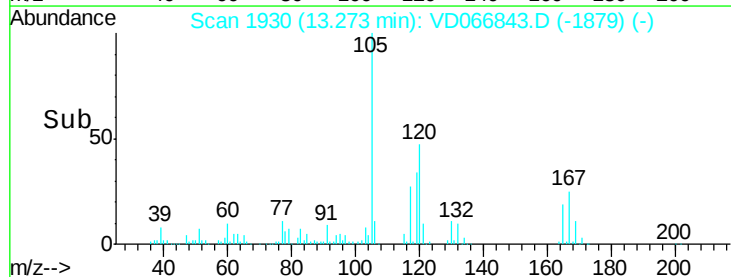
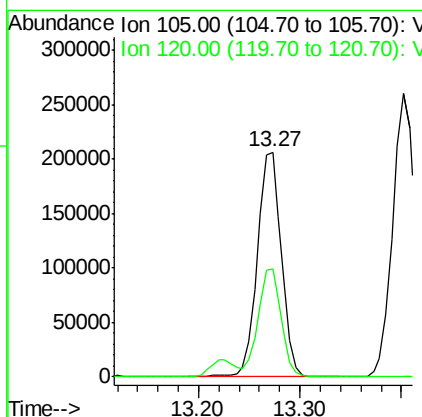
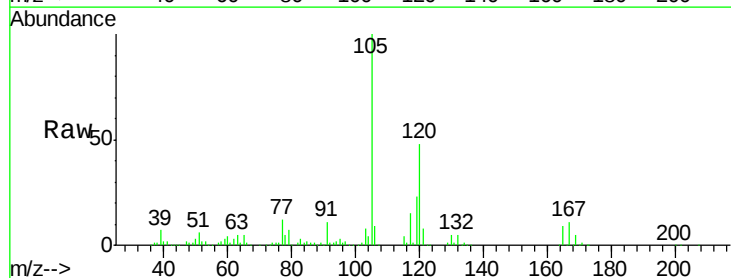
Manual Integrations
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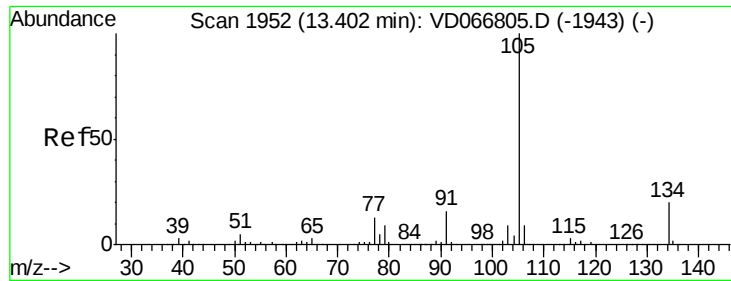
MMDadoda
9/25/2020 4:00:02 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.405 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342234		
120	45.7		22.3	66.9





#85

sec-Butylbenzene

Concen: 20.176 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:105 Resp: 403244

Ion Ratio Lower Upper

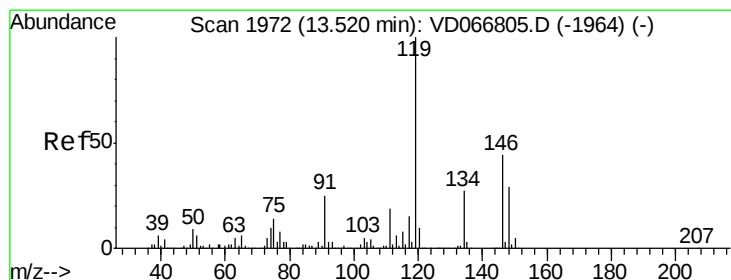
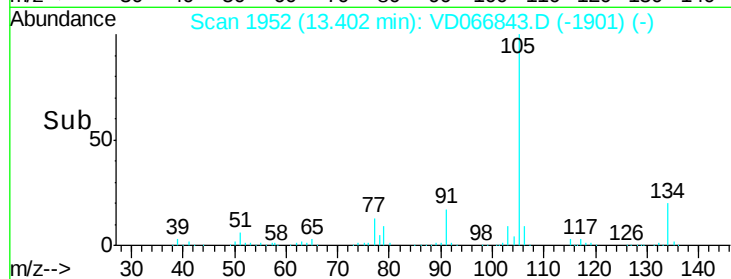
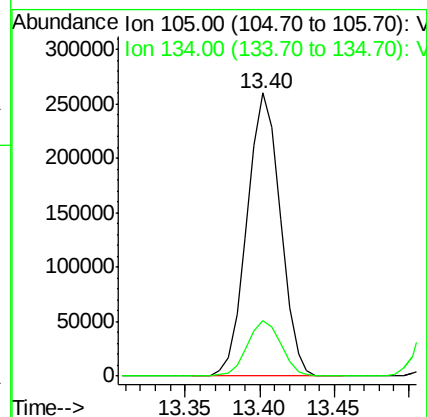
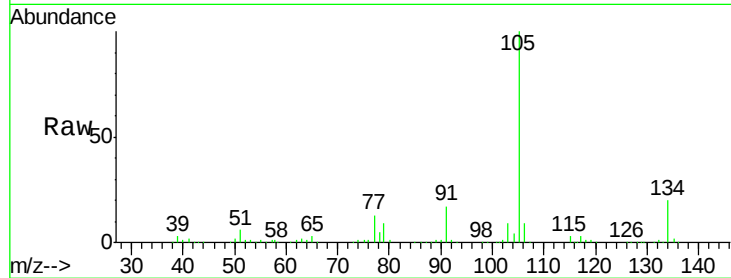
105 100

134 19.8 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.271 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066843.D

Acq: 24 Sep 2020 11:35

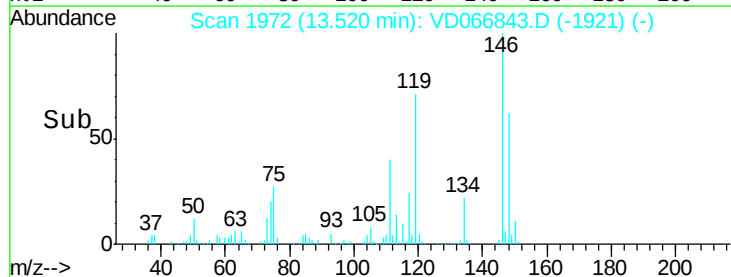
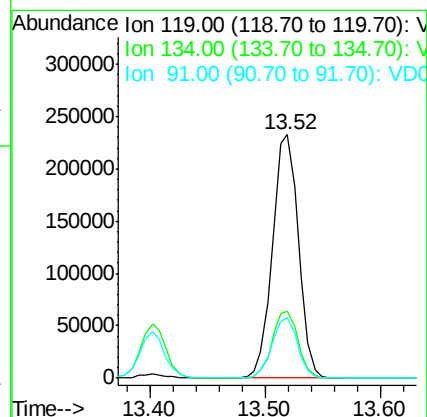
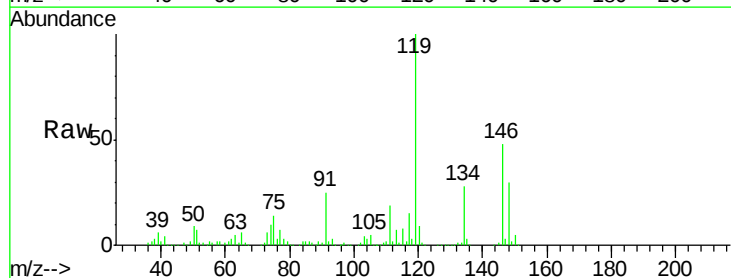
Tgt Ion:119 Resp: 365198

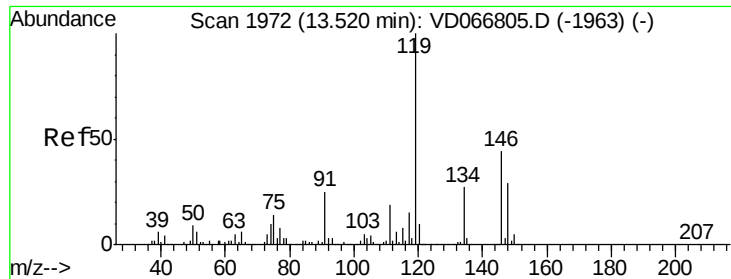
Ion Ratio Lower Upper

119 100

134 27.6 13.0 38.9

91 24.6 12.0 36.1





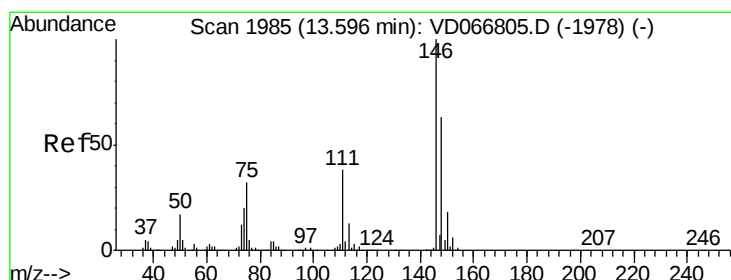
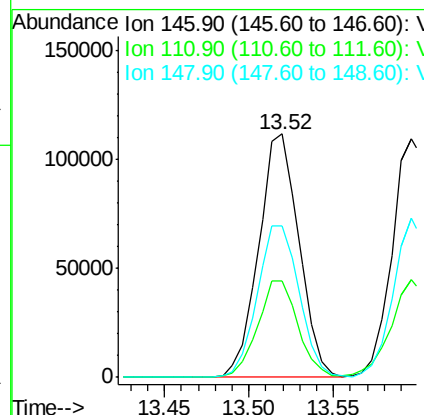
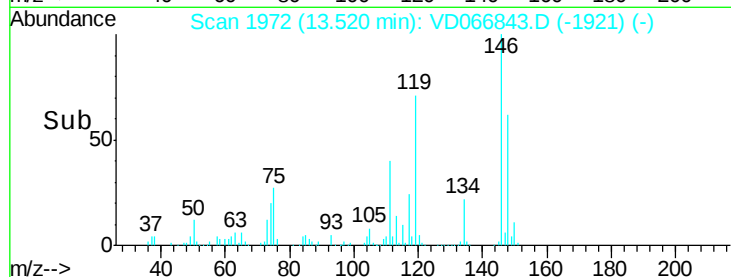
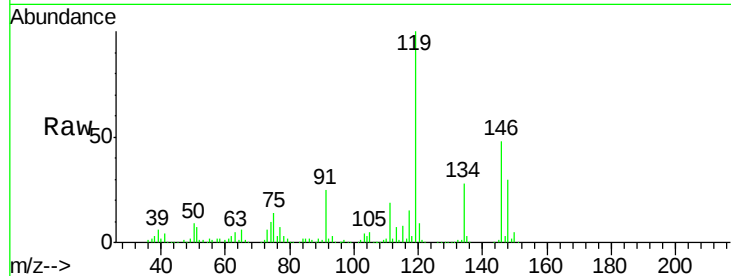
#87
 1,3-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185157		
111	39.8	20.3	60.9	
148	64.7	31.9	95.5	

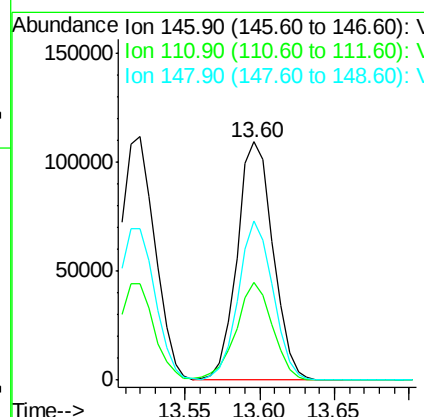
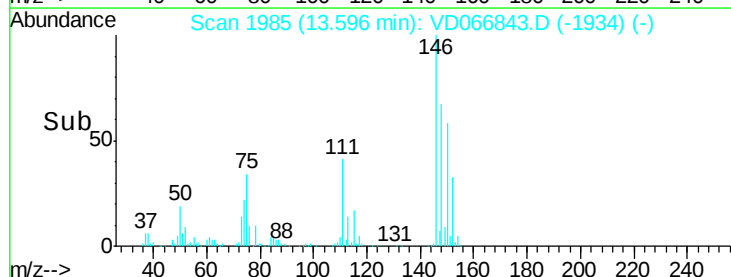
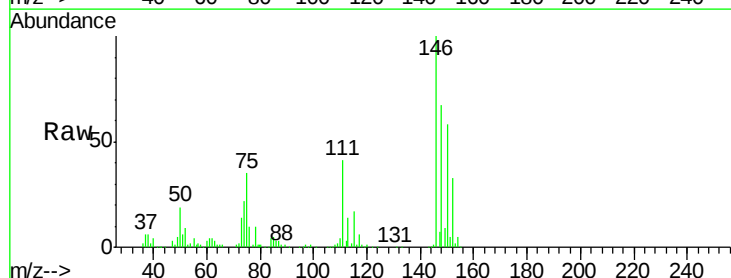
Manual Integrations
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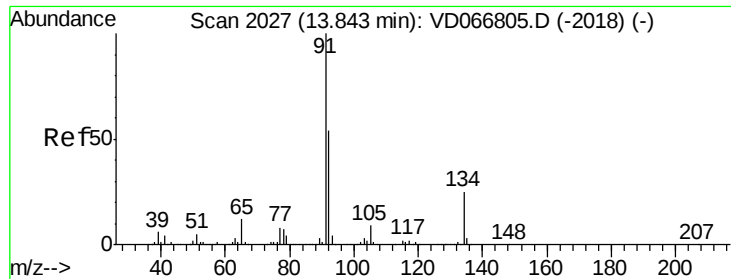
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183322		
111	41.2	20.2	60.5	
148	64.5	31.6	94.7	





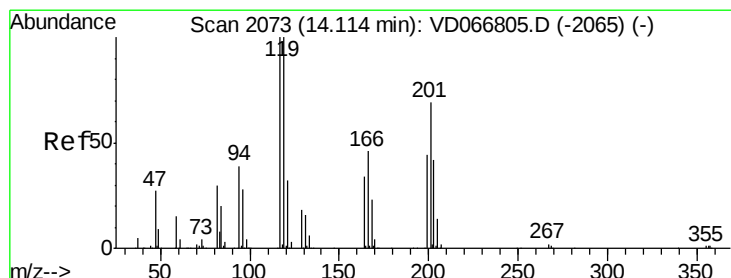
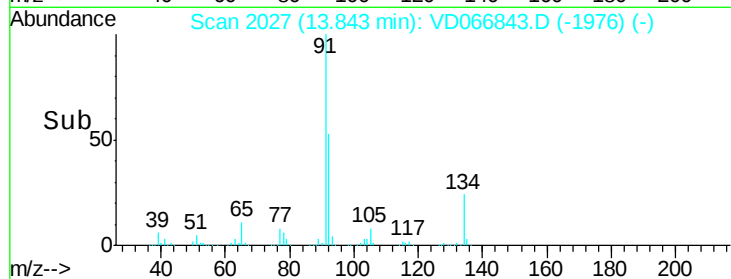
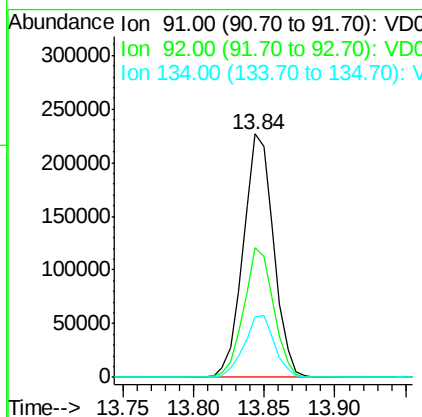
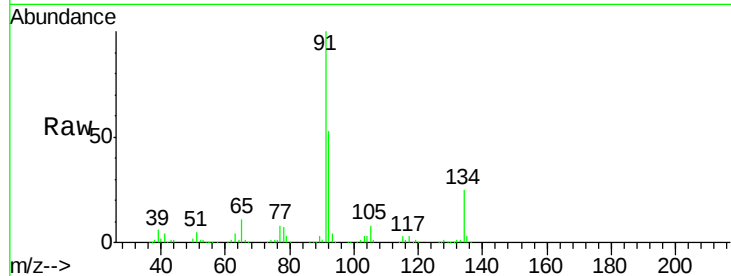
#89
n-Butylbenzene
Concen: 19.919 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	25.7	13.1	39.1

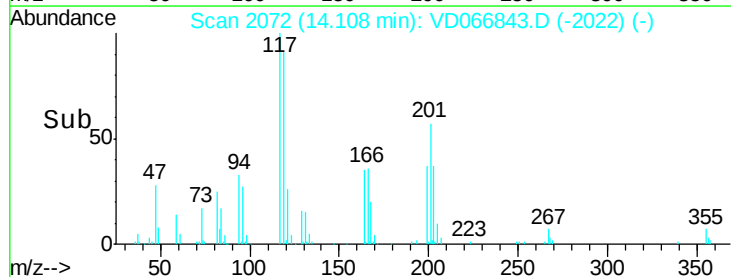
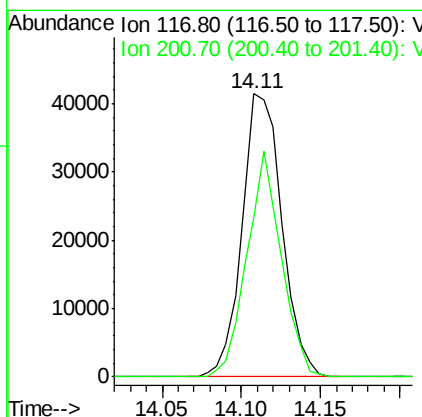
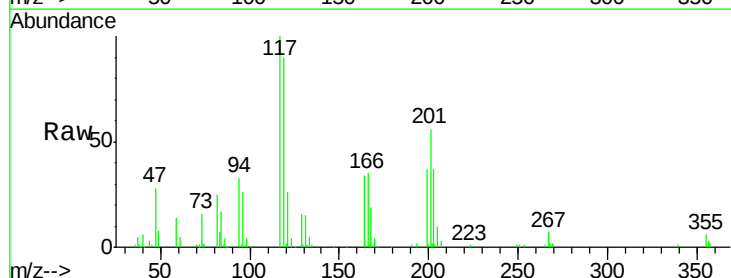
Manual Integrations
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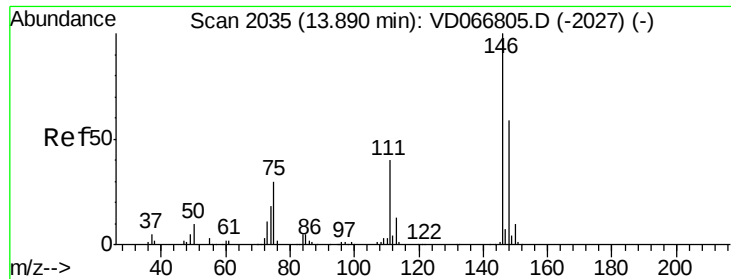
MMDadoda
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#90
Hexachloroethane
Concen: 19.788 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.9	33.7	101.0





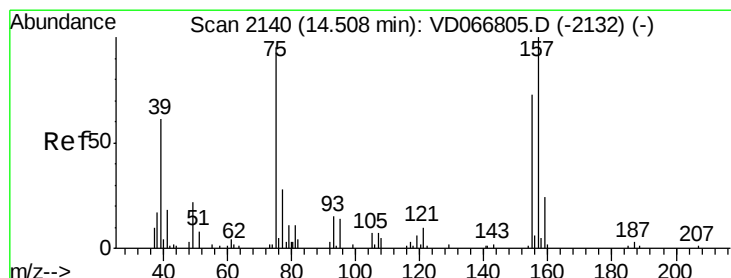
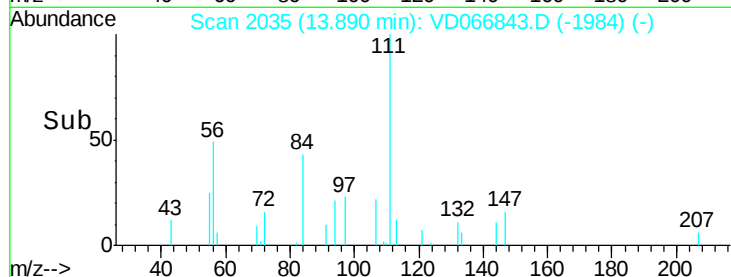
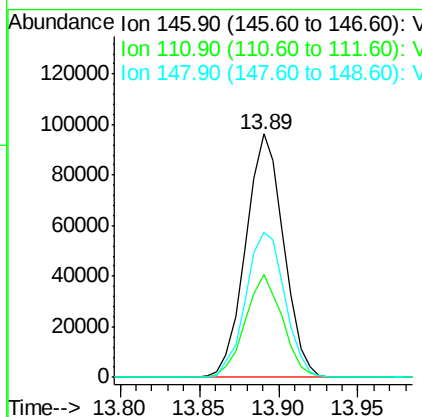
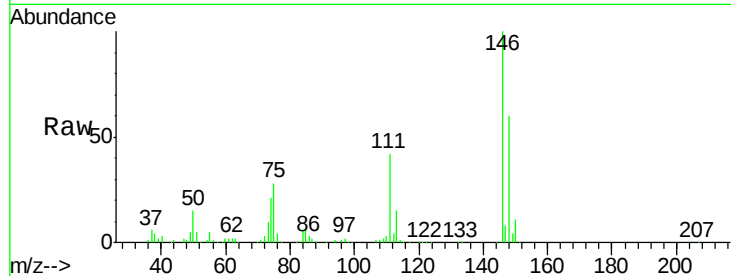
#91
 1,2-Dichlorobenzene
 Concen: 20.330 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	61.8	31.8	95.3

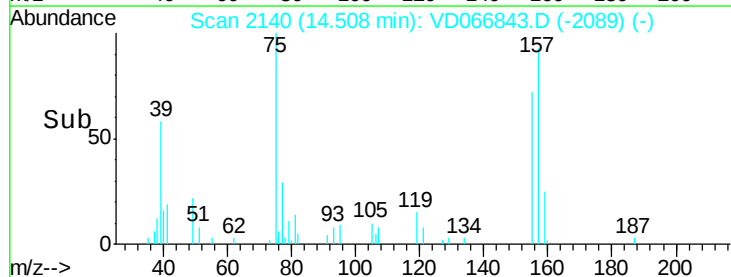
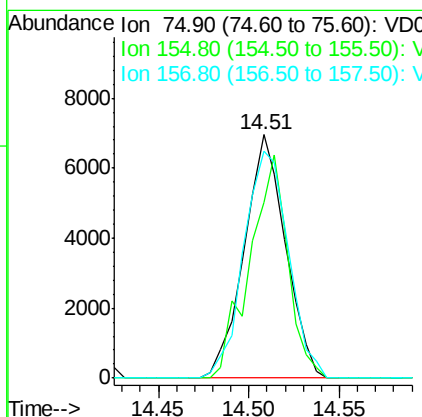
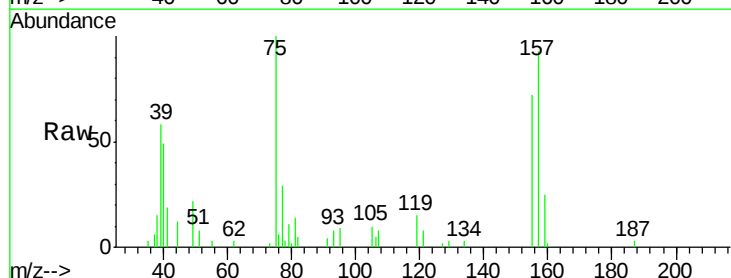
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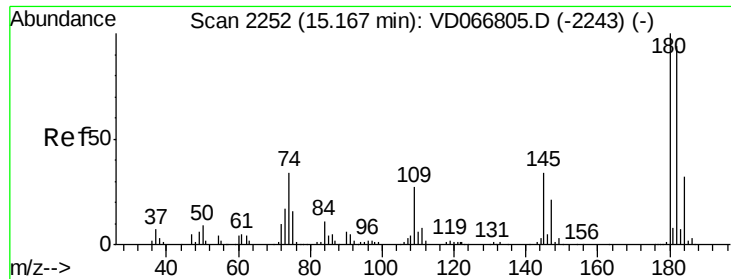
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.911 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	40.4	121.2
157	100.8	51.3	153.9





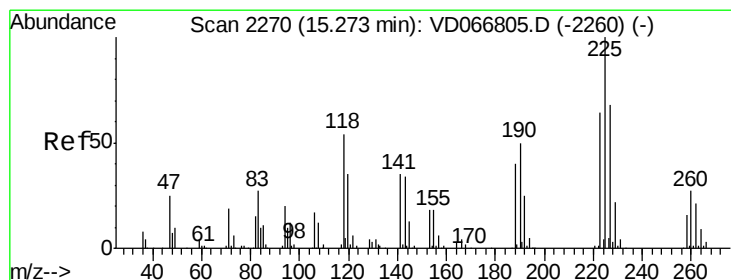
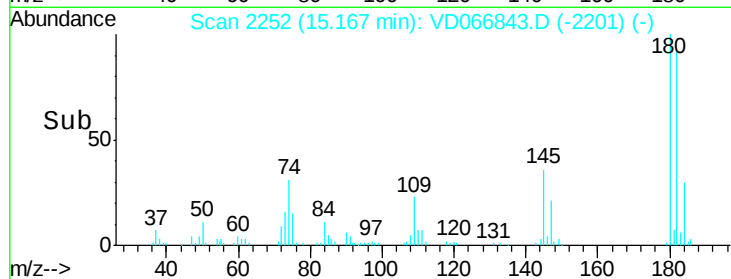
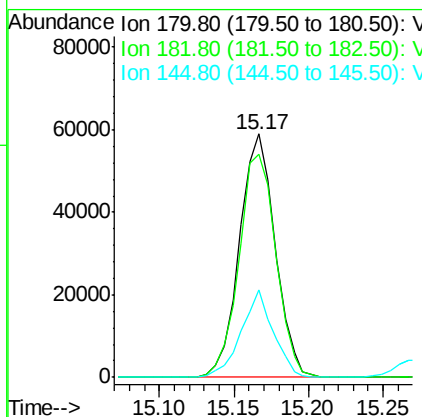
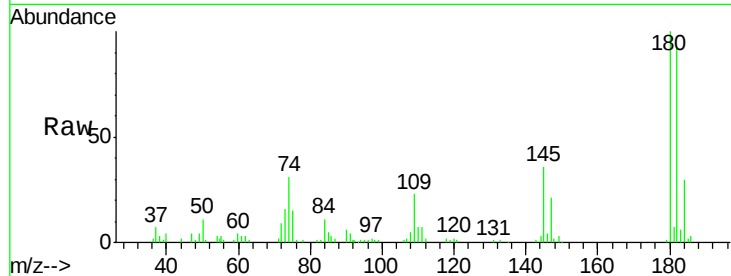
#93
 1,2,4-Trichlorobenzene
 Concen: 19.636 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.3
145	32.5	16.7	50.0

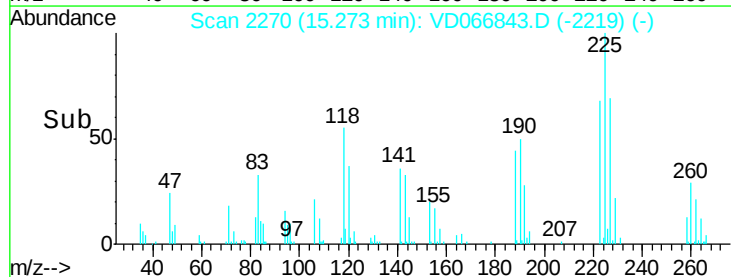
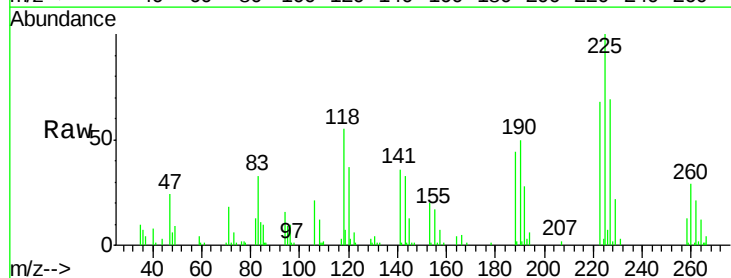
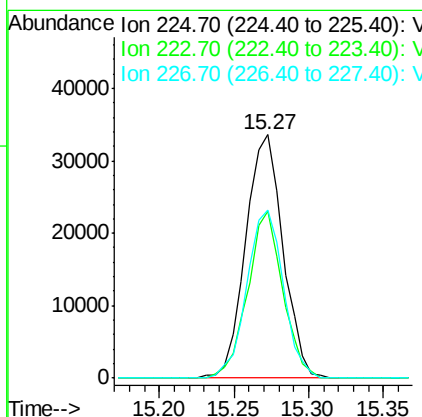
Manual Integrations
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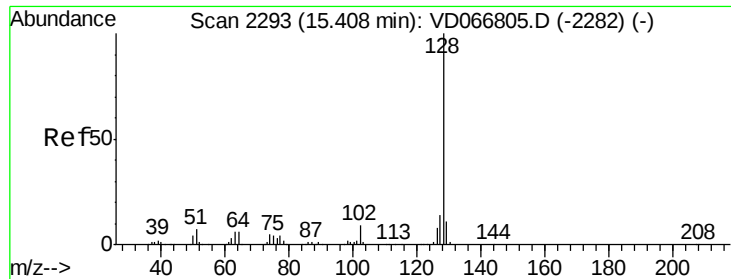
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#94
 Hexachlorobutadiene
 Concen: 19.432 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066843.D
 Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.1	93.3
227	67.6	31.7	95.1





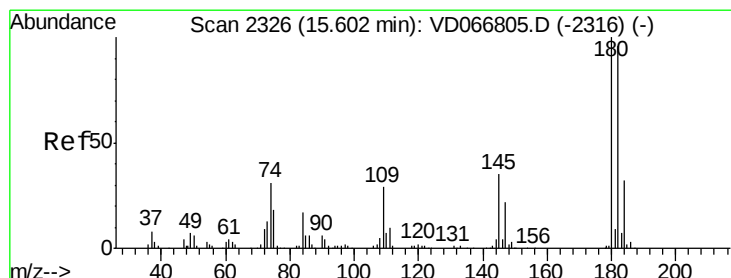
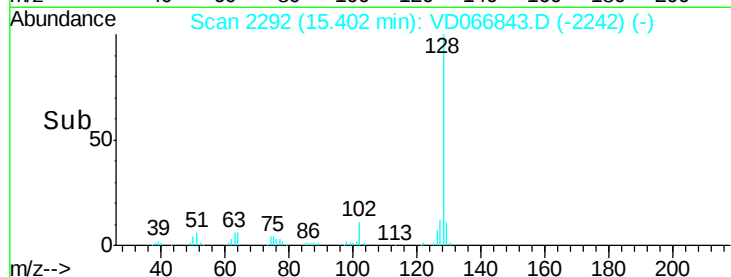
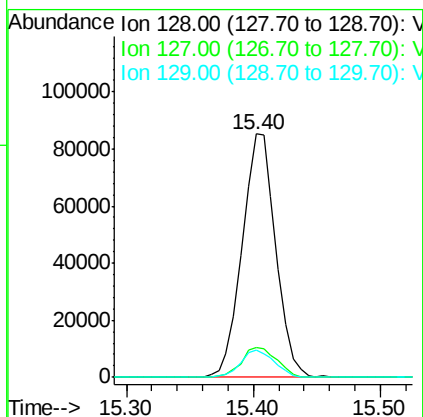
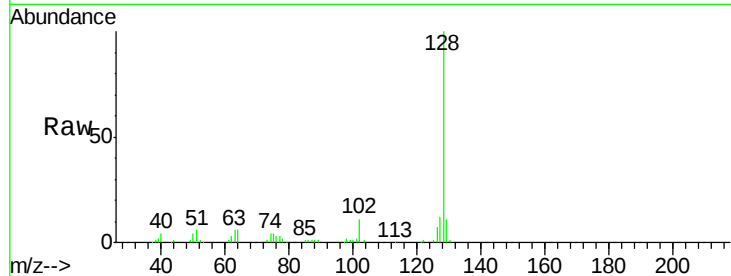
#95
Naphthalene
Concen: 18.582 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156498		
127	13.0		10.6	16.0
129	11.1		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.958 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066843.D
Acq: 24 Sep 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85450		
182	93.5		46.8	140.3
145	33.3		17.0	51.0

