

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066947.D
 Acq On : 29 Sep 2020 19:04
 Operator : VA/SY
 Sample : L4179-10MSD
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:58 PM

Quant Time: Sep 30 03:56:55 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	345321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	576753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	490777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165114	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.91	113	184642	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.34	98	591555	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.63	95	194056	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	124782	52.062	ug/l	95
3) Chloromethane	2.21	50	140472	44.274	ug/l	97
4) Vinyl Chloride	2.35	62	145290	46.352	ug/l	95
5) Bromomethane	2.77	94	108140	49.084	ug/l	99
6) Chloroethane	2.93	64	92532	47.537	ug/l	90
7) Trichlorofluoromethane	3.27	101	304381	47.283	ug/l	97
8) Diethyl Ether	3.71	74	95901	58.681	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	173081	46.367	ug/l	98
10) Methyl Iodide	4.30	142	191851	58.243	ug/l	97
11) Tert butyl alcohol	5.21	59	51275	251.390	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	177556	52.508	ug/l	97
13) Acrolein	3.92	56	59495	238.618	ug/l	90
14) Allyl chloride	4.71	41	264437	53.256	ug/l	96
15) Acrylonitrile	5.43	53	191916	264.987	ug/l	98
16) Acetone	4.16	43	145473	202.895	ug/l	100
17) Carbon Disulfide	4.41	76	487936	47.198	ug/l	98
18) Methyl Acetate	4.71	43	113085	72.307	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	435896	59.359	ug/l	98
20) Methylene Chloride	4.96	84	233410	61.679	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	215395	55.013	ug/l	98
22) Diisopropyl ether	6.37	45	601698	58.936	ug/l	96
23) Vinyl Acetate	6.31	43	1254783	226.628	ug/l	98
24) 1,1-Dichloroethane	6.27	63	374499	54.832	ug/l	98
25) 2-Butanone	7.21	43	220779	256.236	ug/l	97
26) 2,2-Dichloropropane	7.21	77	294695	47.076	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	246721	57.996	ug/l	97
28) Bromochloromethane	7.54	49	158379	56.131	ug/l #	91
29) Tetrahydrofuran	7.56	42	144987	262.617	ug/l	95
30) Chloroform	7.71	83	408214	55.447	ug/l	99
31) Cyclohexane	7.98	56	237226	38.602	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	346433	52.017	ug/l	98
36) 1,1-Dichloropropene	8.11	75	268449	46.916	ug/l	98
37) Ethyl Acetate	7.29	43	100115	48.400	ug/l #	93
38) Carbon Tetrachloride	8.10	117	292096	46.694	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	220466	33.559	ug/l	99
40) Benzene	8.35	78	838646	52.590	ug/l	99
41) Methacrylonitrile	7.53	41	62288	48.966	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	247500	52.500	ug/l	100
43) Isopropyl Acetate	8.45	43	196116	49.177	ug/l	98
44) Trichloroethene	9.11	130	231460	50.922	ug/l	96
45) 1,2-Dichloropropane	9.38	63	215775	53.780	ug/l	98
46) Dibromomethane	9.47	93	117186	53.757	ug/l	97
47) Bromodichloromethane	9.66	83	314652	53.732	ug/l #	98
48) Methyl methacrylate	9.46	41	107866	54.859	ug/l	97
49) 1,4-Dioxane	9.46	88	27535	1126.991	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	534854	264.685	ug/l	99
52) Toluene	10.40	92	528940	51.494	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	269066	53.983	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	331408	54.530	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	158278	52.816	ug/l	98
56) Ethyl methacrylate	10.66	69	179804	56.007	ug/l	97
57) 1,3-Dichloropropane	10.94	76	262991	53.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	377077	248.060	ug/l	97
59) 2-Hexanone	10.98	43	347667	255.127	ug/l	96
60) Dibromochloromethane	11.14	129	210927	53.929	ug/l	99
61) 1,2-Dibromoethane	11.24	107	152831	54.829	ug/l	99
64) Tetrachloroethene	10.87	164	188587	53.421	ug/l	96
65) Chlorobenzene	11.67	112	551739	54.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	218195	56.433	ug/l	99
67) Ethyl Benzene	11.74	91	930133	51.840	ug/l	97
68) m/p-Xylenes	11.85	106	716300	105.444	ug/l	99
69) o-Xylene	12.18	106	337371	54.923	ug/l	98
70) Styrene	12.20	104	585624	54.899	ug/l	99
71) Bromoform	12.36	173	108070	55.204	ug/l #	99
73) Isopropylbenzene	12.48	105	824016	55.980	ug/l	98
74) N-amyl acetate	12.29	43	169002	58.793	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	155529	61.233	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	98398m	58.271	ug/l	
77) Bromobenzene	12.76	156	215855	62.701	ug/l	93
78) n-propylbenzene	12.82	91	905977	51.160	ug/l	99
79) 2-Chlorotoluene	12.91	91	553907	54.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	677767	54.265	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	42895	63.555	ug/l	98
82) 4-Chlorotoluene	13.01	91	577884	54.325	ug/l	99
83) tert-Butylbenzene	13.23	119	522034	50.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	685291	55.332	ug/l	98
85) sec-Butylbenzene	13.40	105	656103	44.456	ug/l	99
86) p-Isopropyltoluene	13.52	119	614544	46.195	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	358165	52.660	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	355906	52.686	ug/l	99
89) n-Butylbenzene	13.85	91	481502	38.080	ug/l	99
90) Hexachloroethane	14.11	117	116288	43.057	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	314585	54.063	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23897	58.486	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149554	40.828	ug/l	98
94) Hexachlorobutadiene	15.27	225	51077	23.269	ug/l	98
95) Naphthalene	15.41	128	349923	56.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133685	42.284	ug/l	99

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

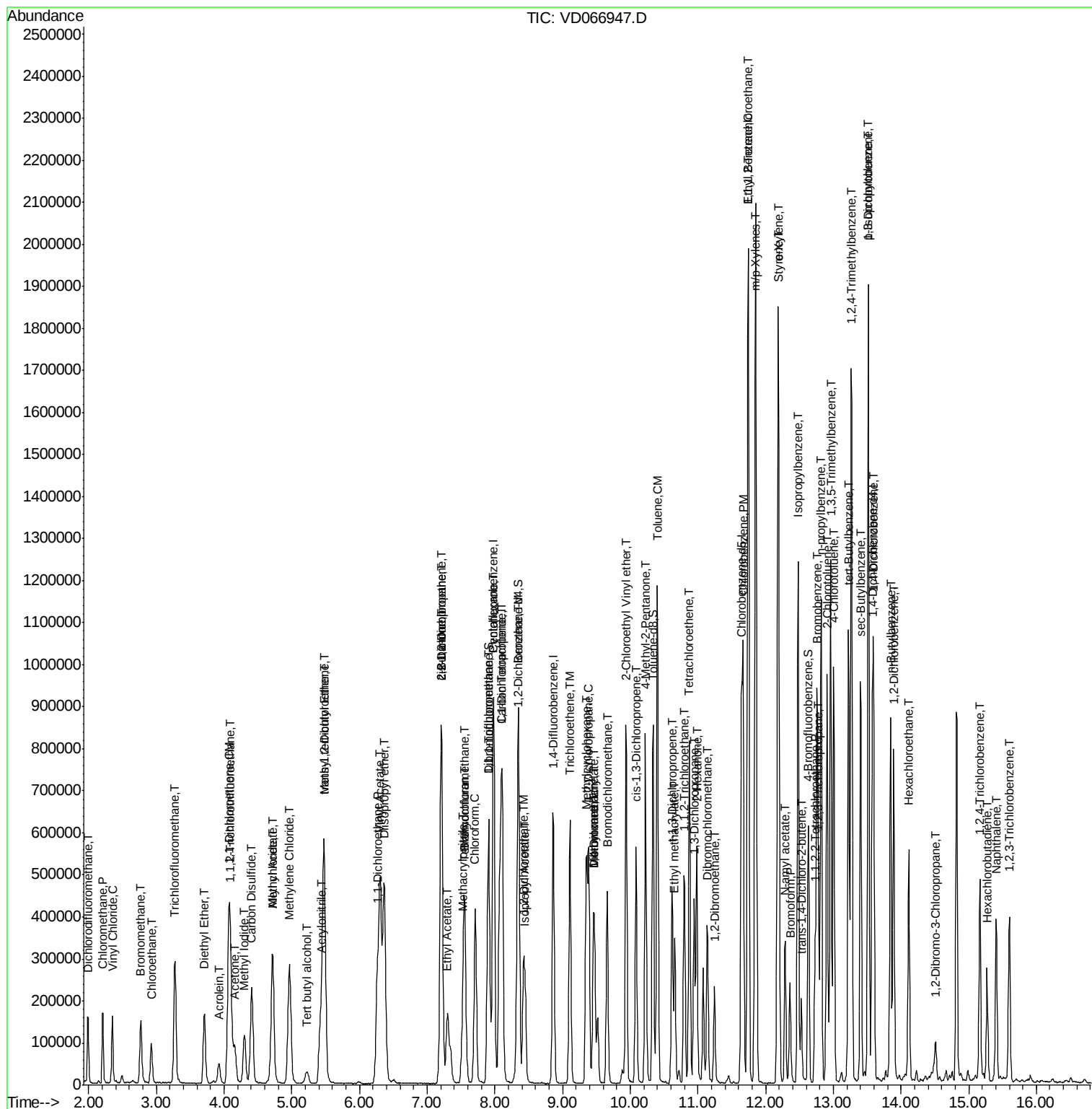
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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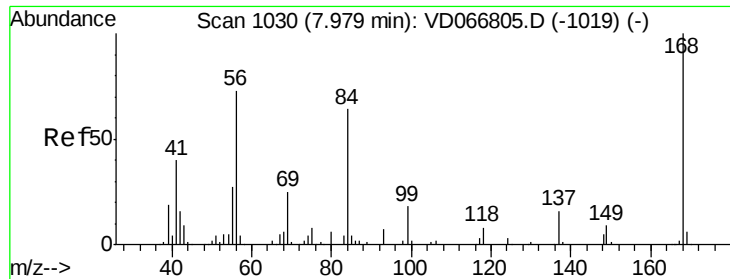
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion:168 Resp: 345321

Ion Ratio Lower Upper

168 100

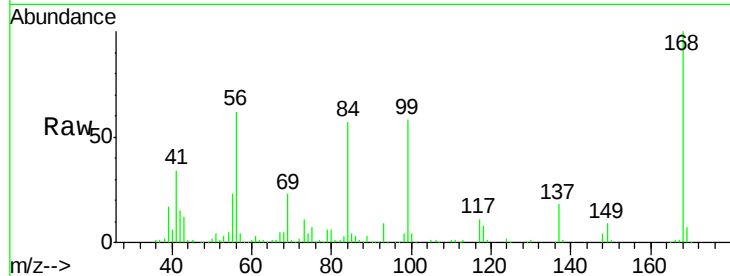
99 58.1 46.6 69.8

Manual Integrations

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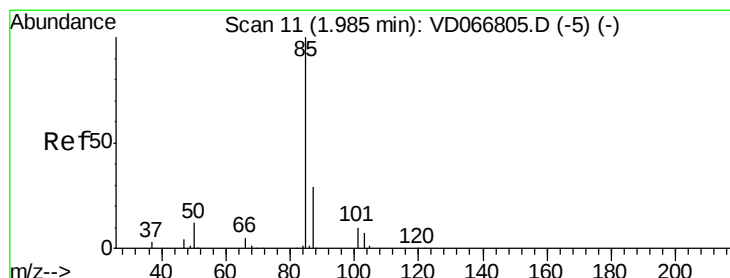
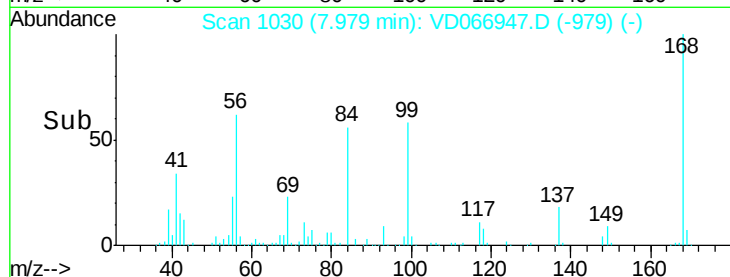
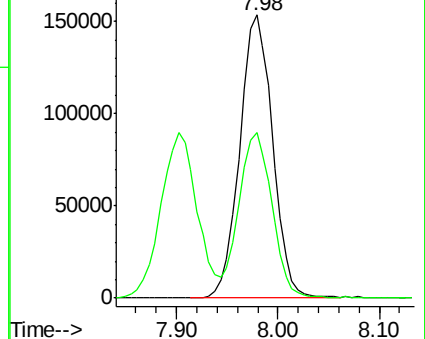
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.062 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066947.D

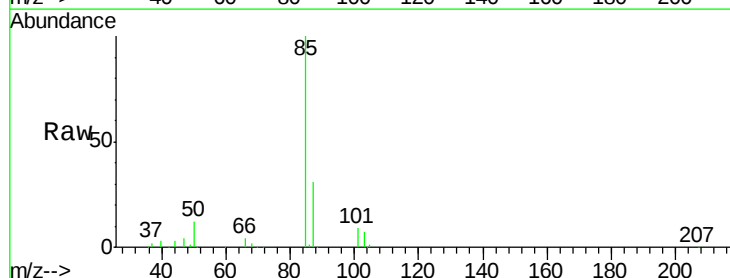
Acq: 29 Sep 2020 19:04

Tgt Ion: 85 Resp: 124782

Ion Ratio Lower Upper

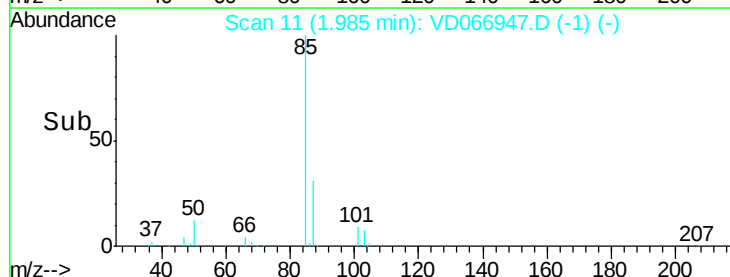
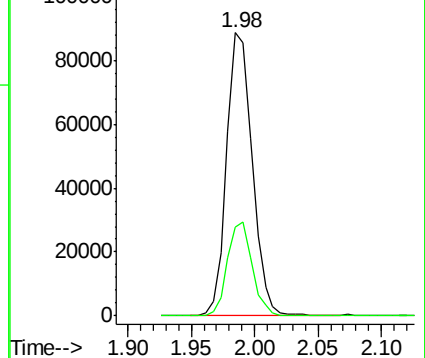
85 100

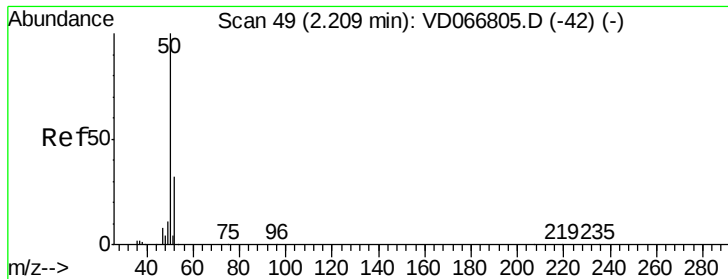
87 31.4 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.274 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 50 Resp: 140472

Ion Ratio Lower Upper

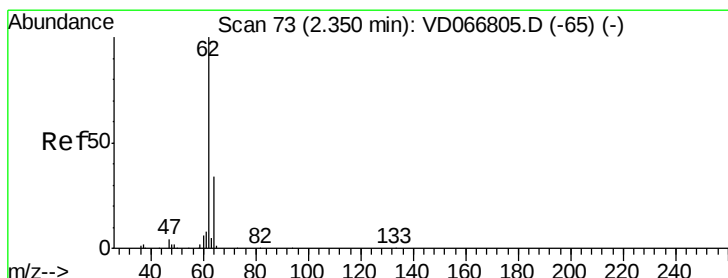
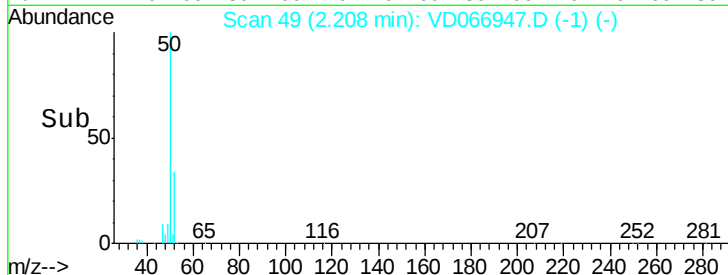
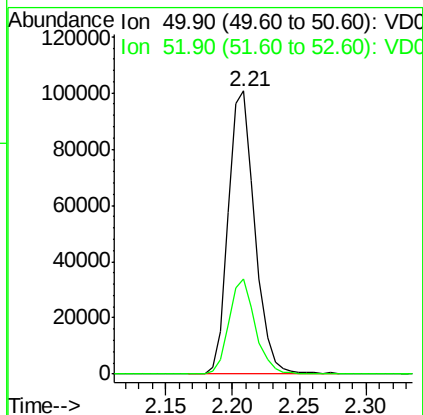
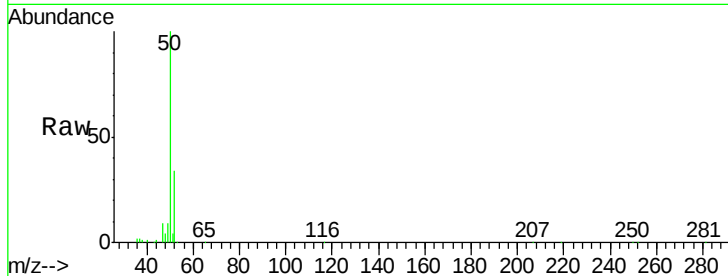
50 100

52 33.6 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.352 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066947.D

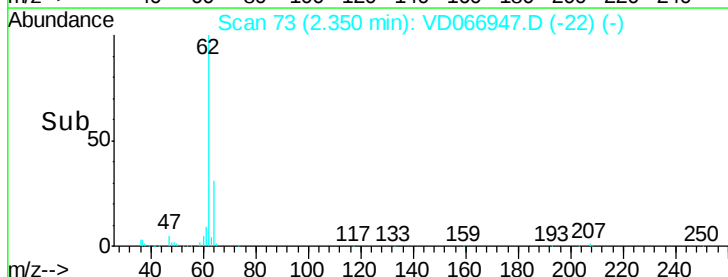
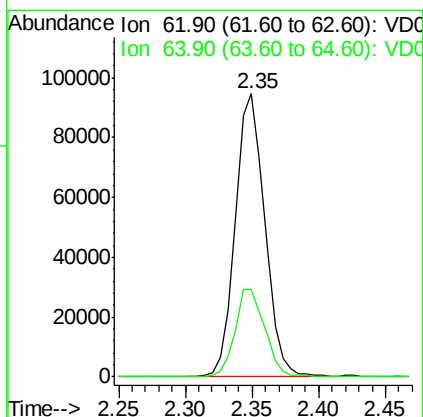
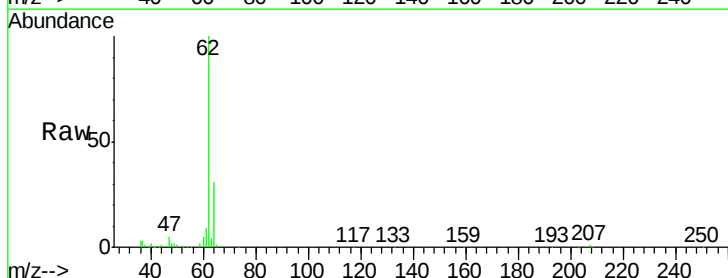
Acq: 29 Sep 2020 19:04

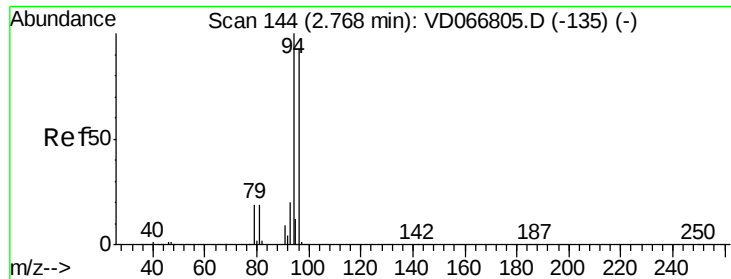
Tgt Ion: 62 Resp: 145290

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.4





#5

Bromomethane

Concen: 49.084 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

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Tot Ion: 94 Resp: 108140

Ion Ratio Lower Upper

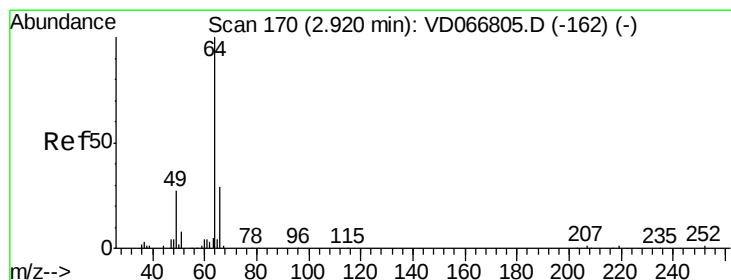
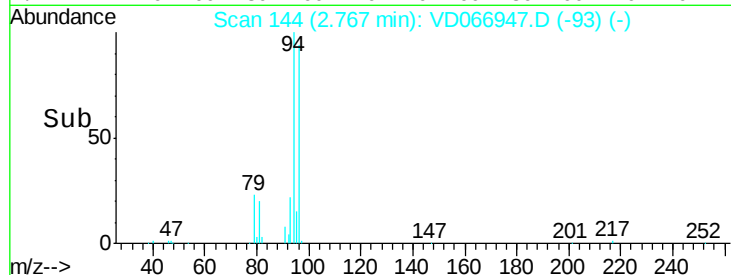
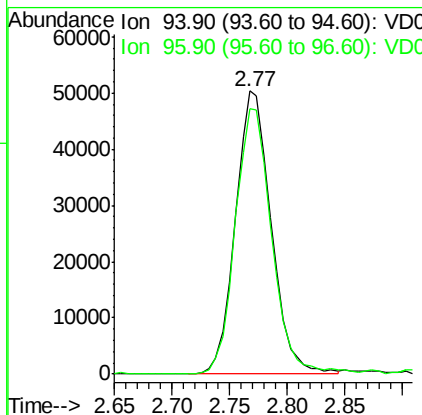
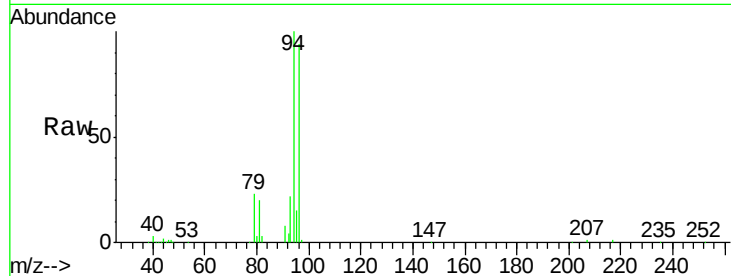
94 100

96 93.6 74.3 111.5

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#6

Chloroethane

Concen: 47.537 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066947.D

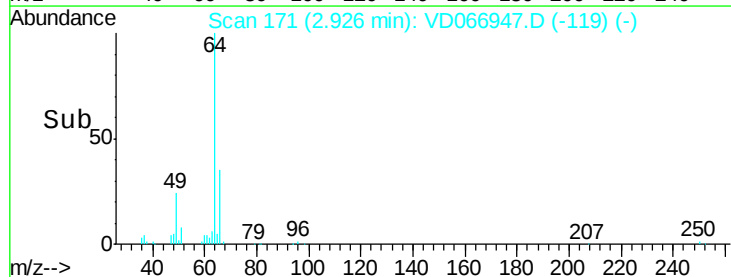
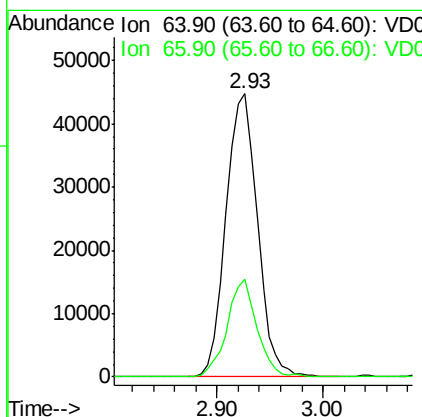
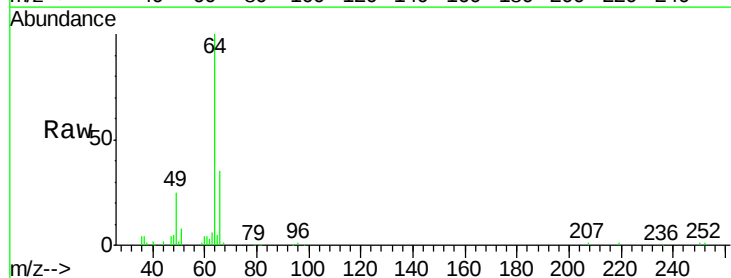
Acq: 29 Sep 2020 19:04

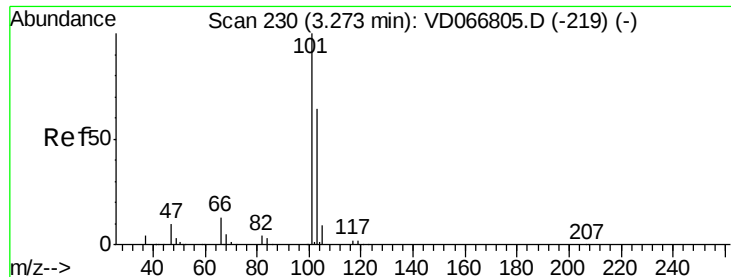
Tgt Ion: 64 Resp: 92532

Ion Ratio Lower Upper

64 100

66 34.6 23.3 34.9





#7

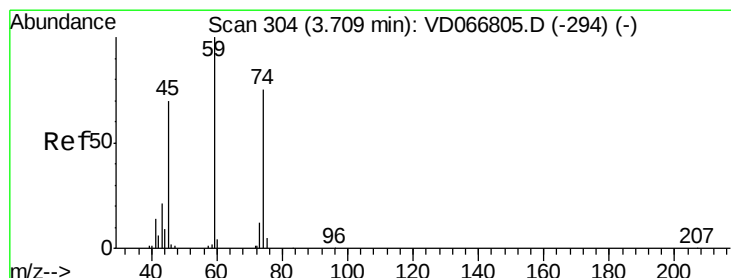
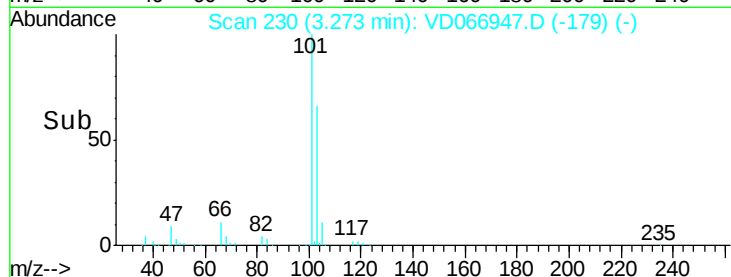
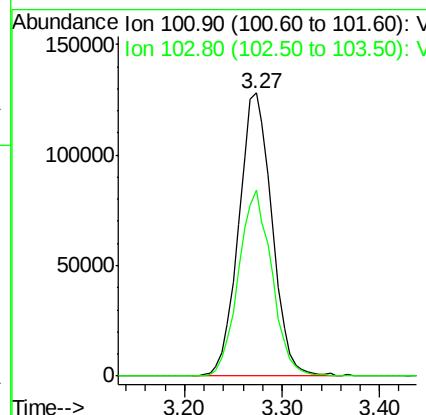
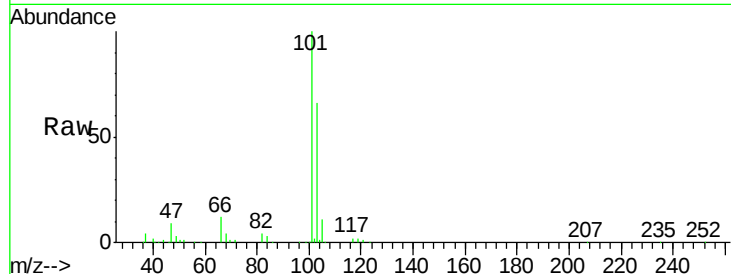
Trichlorofluoromethane
 Concen: 47.283 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

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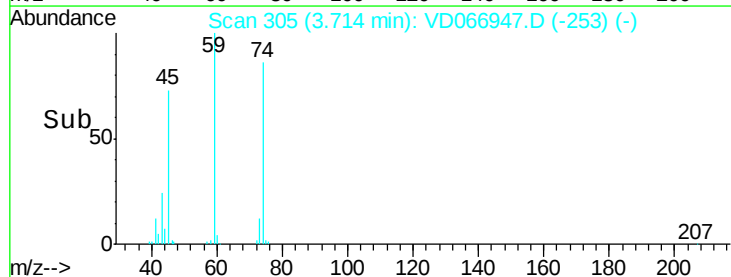
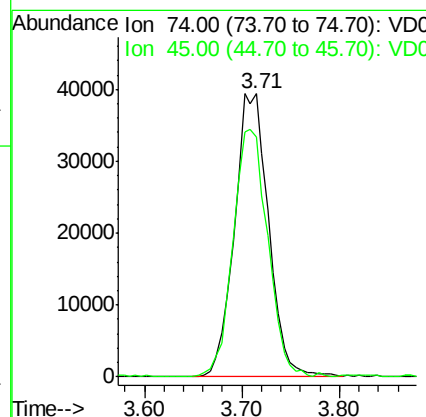
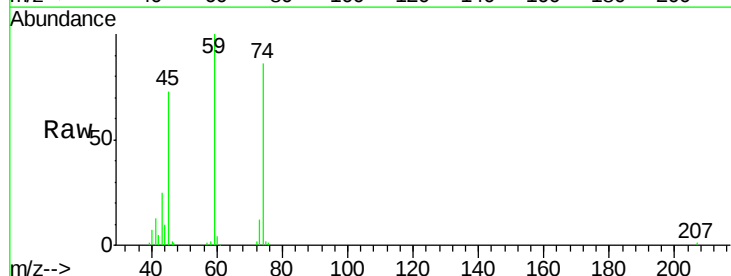
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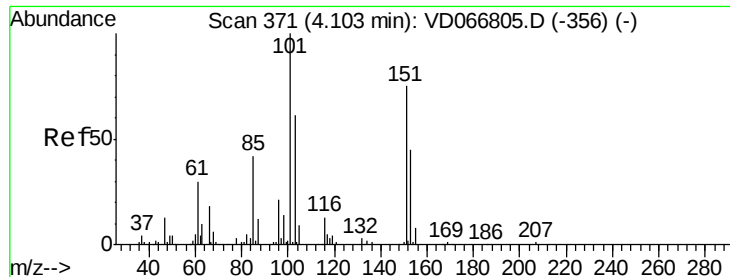


#8

Diethyl Ether
 Concen: 58.681 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.367 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

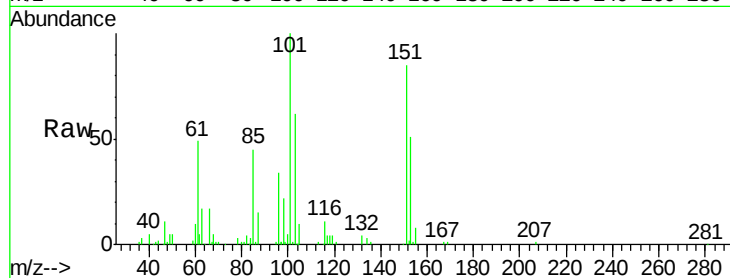
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	101	Resp:	173081
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.4	53.2
151	77.8	61.4	92.0

Manual Integrations
APPROVED

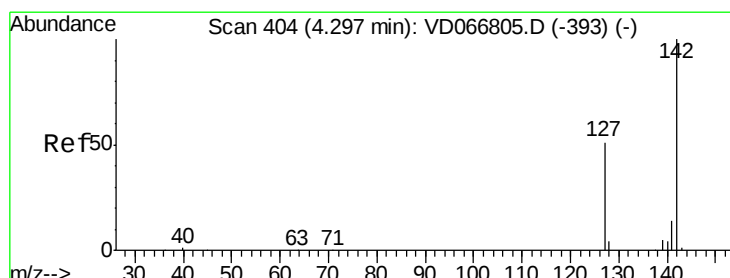
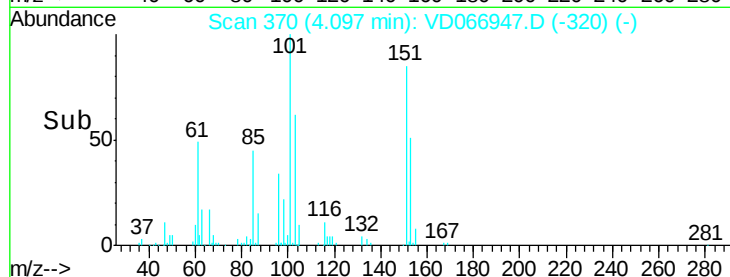
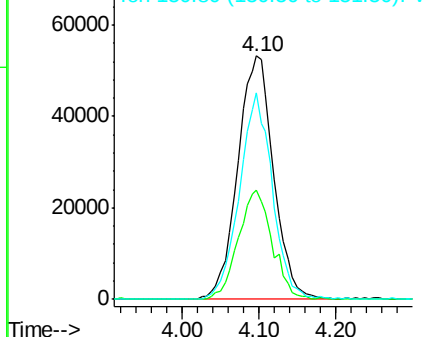
MMDadoda
9/30/2020 1:21:58 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.243 ug/l

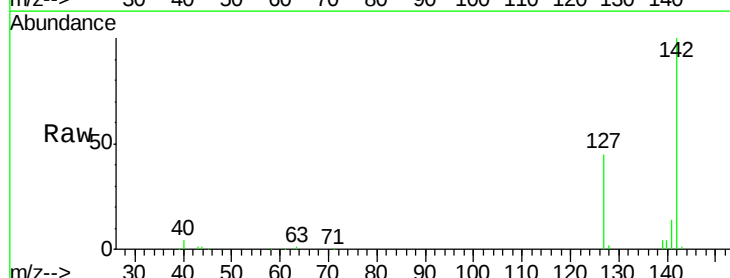
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

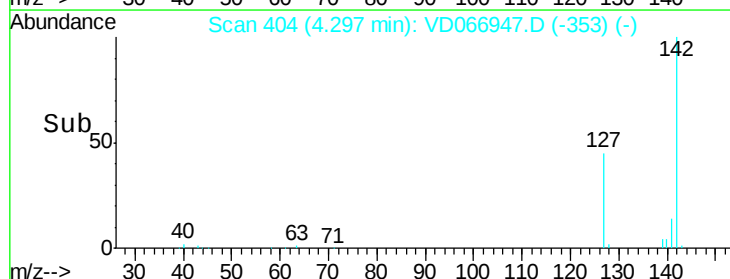
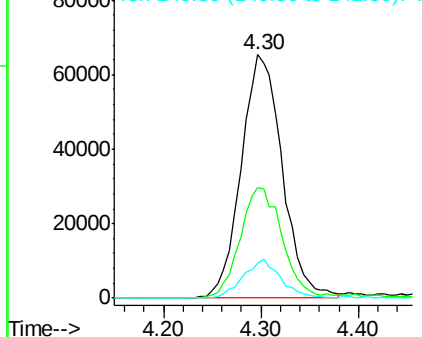
Tgt Ion:	142	Resp:	191851
Ion Ratio	Lower	Upper	
142	100		
127	46.7	39.4	59.0
141	14.5	12.1	18.1

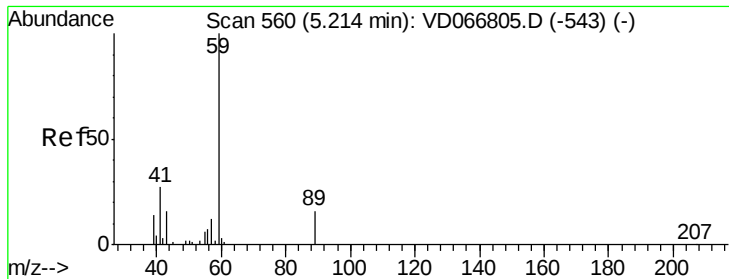


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

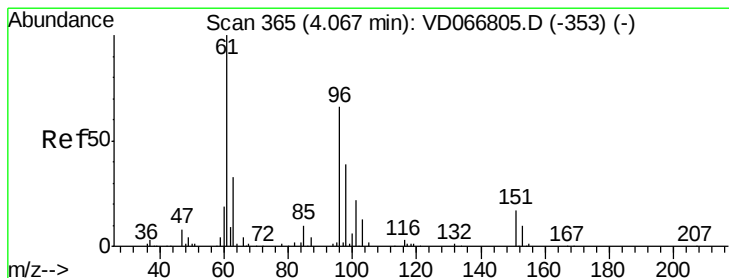
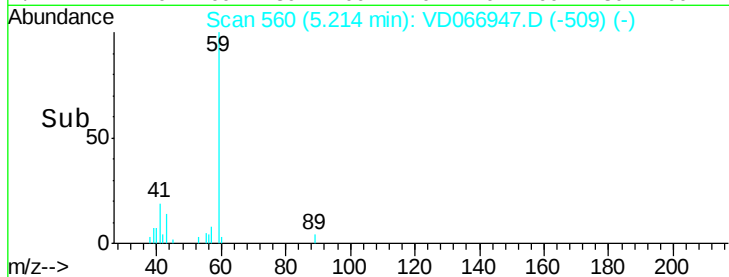
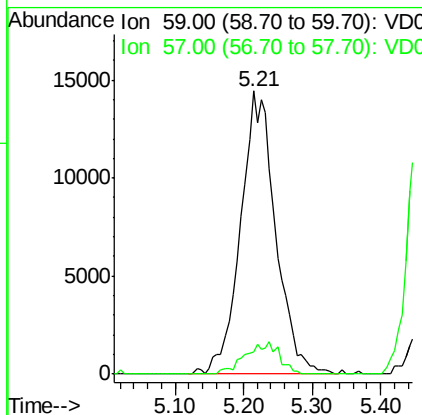
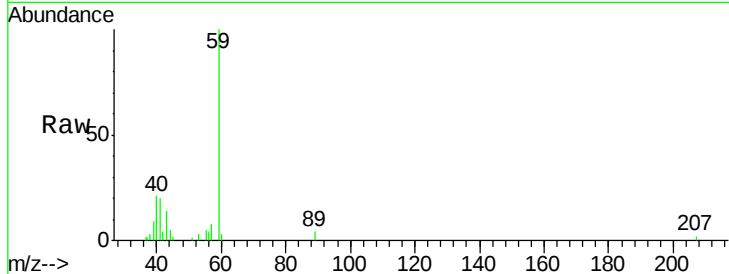
Tert butyl alcohol
Concen: 251.390 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

Manual Integrations
APPROVED

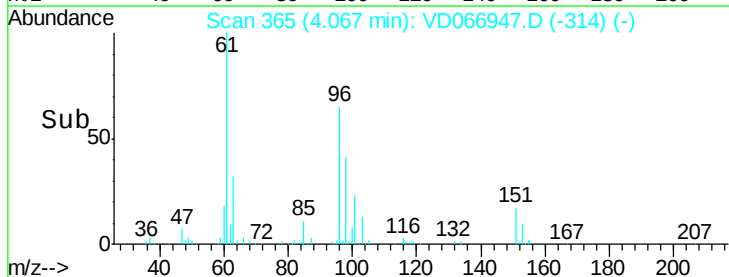
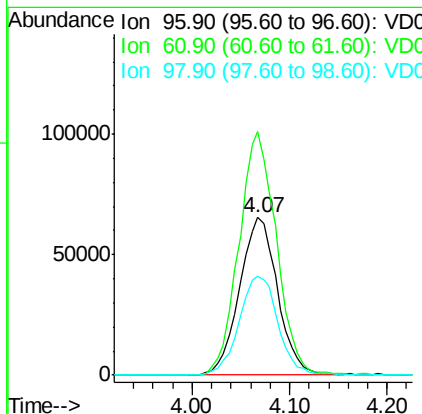
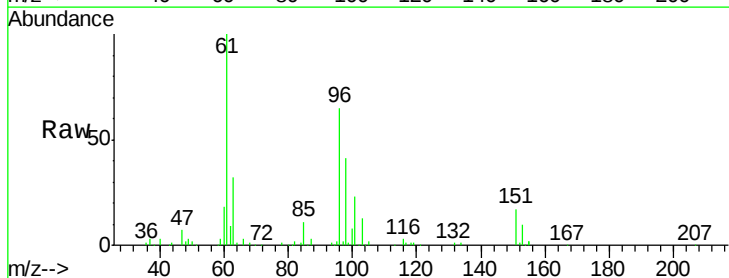
MMDadoda
9/30/2020 1:21:58 PM

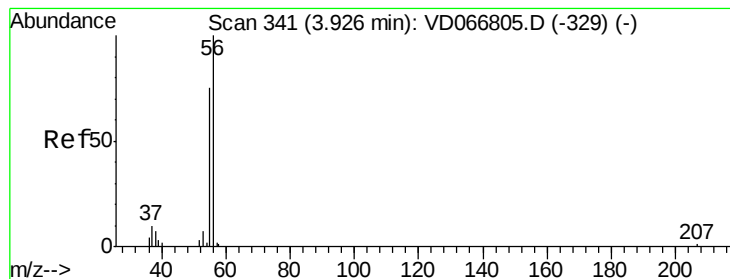


#12

1,1-Dichloroethene
Concen: 52.508 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	120.8	181.2
98	62.7	47.7	71.5





#13

Acrolein

Concen: 238.618 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 56 Resp: 59495

Ion Ratio Lower Upper

56 100

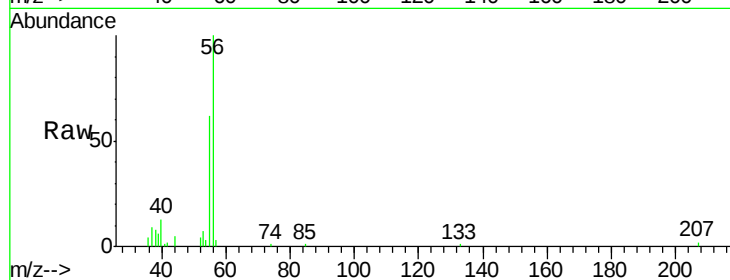
55 66.6 60.3 90.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

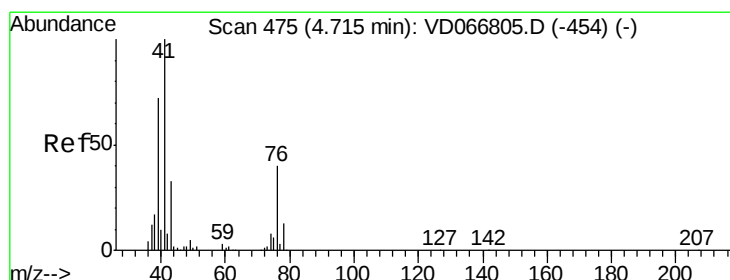
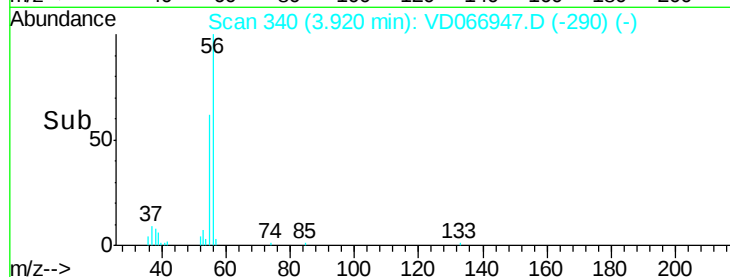
5000

0

Time-->

3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 53.256 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

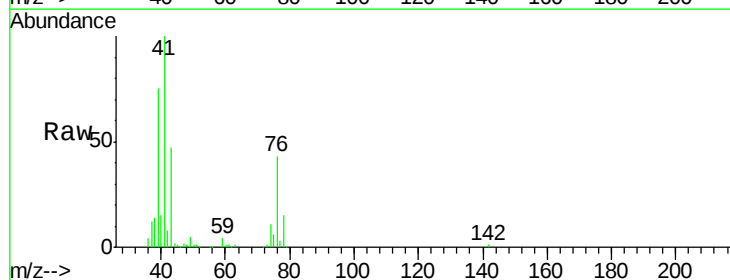
Tgt Ion: 41 Resp: 264437

Ion Ratio Lower Upper

41 100

39 70.1 57.8 86.8

76 42.4 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

60000

40000

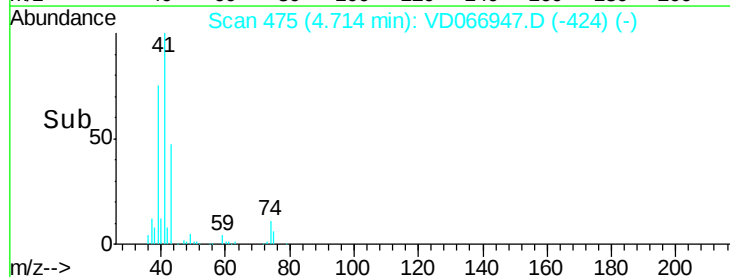
20000

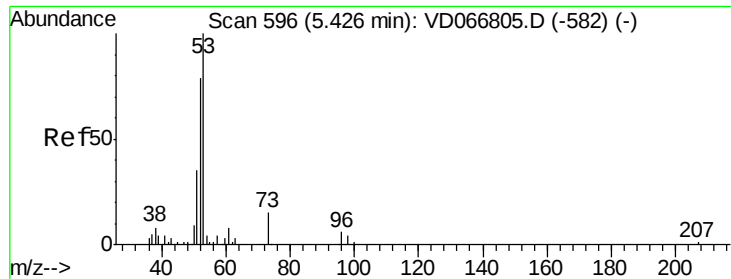
0

Time-->

4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 264.987 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

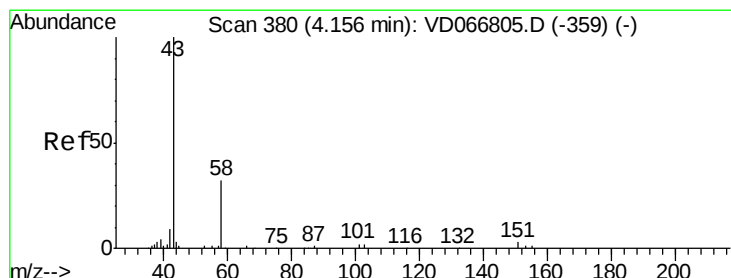
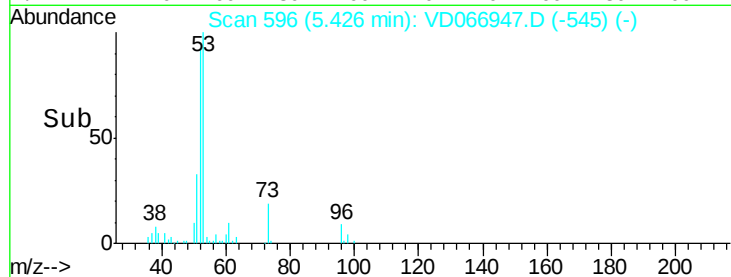
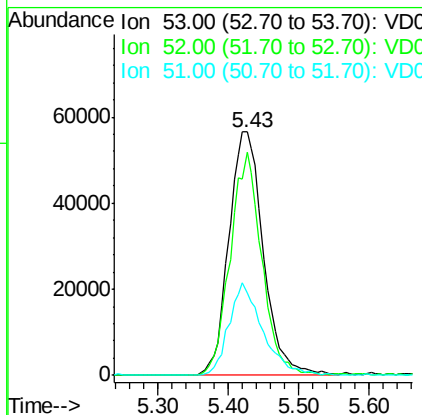
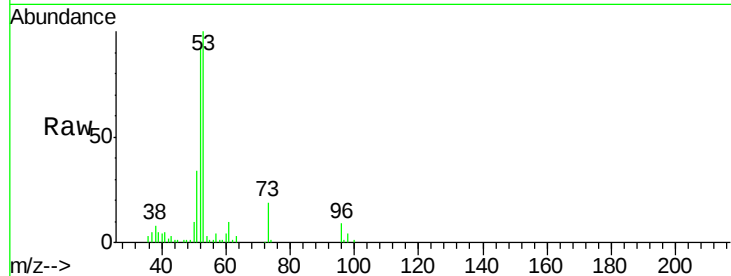
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	53	Resp:	191916
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.2	97.8
51	37.1	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 202.895 ug/l

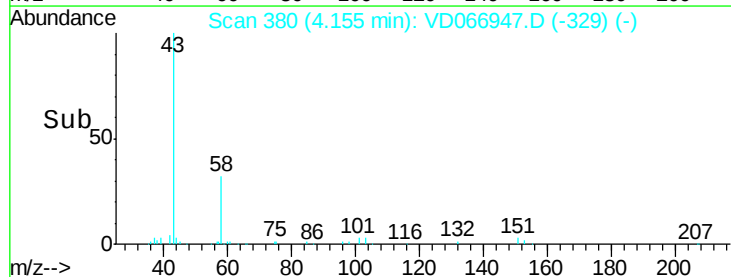
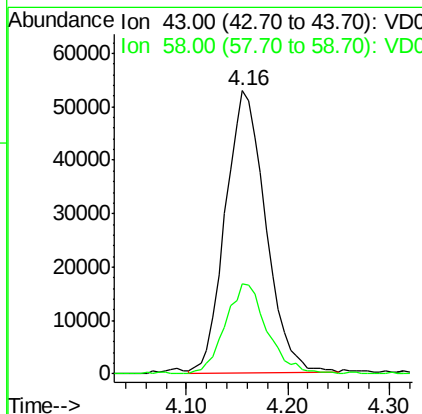
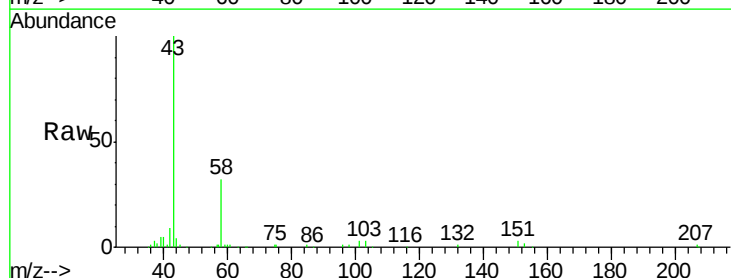
RT: 4.16 min Scan# 380

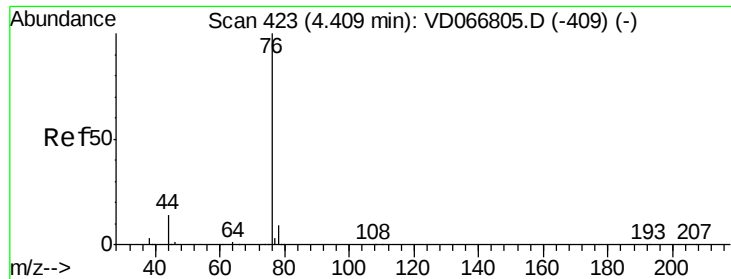
Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion:	43	Resp:	145473
Ion Ratio		Lower	Upper
43	100		
58	31.9	25.6	38.4





#17

Carbon Disulfide

Concen: 47.198 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 76 Resp: 487936

Ion Ratio Lower Upper

76 100

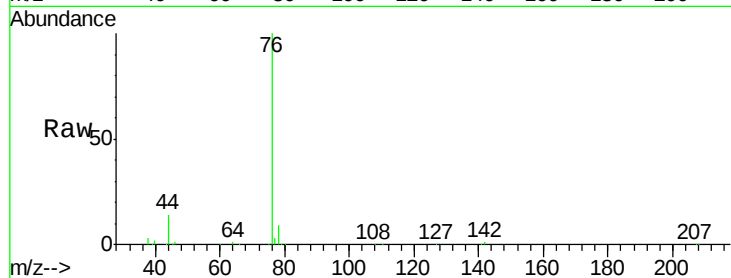
78 8.8 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

200000

150000

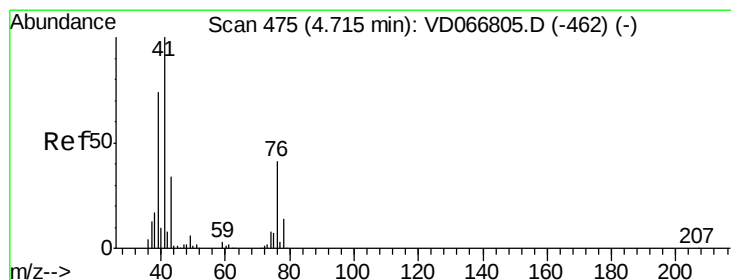
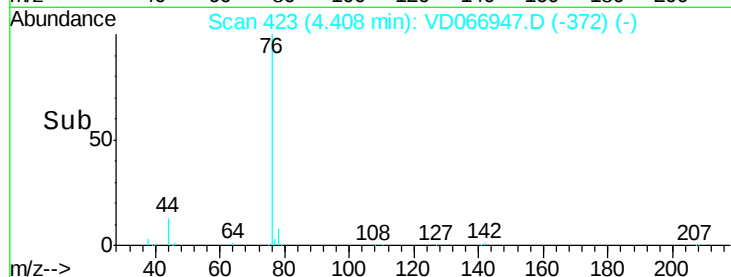
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 72.307 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066947.D

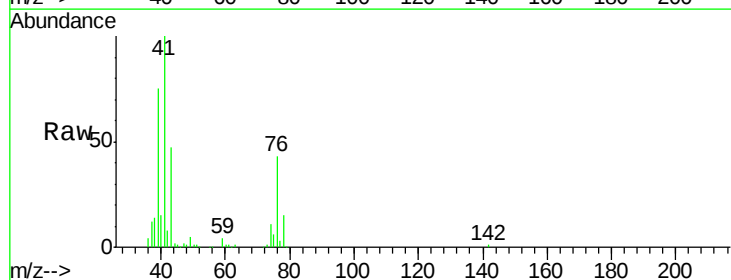
Acq: 29 Sep 2020 19:04

Tgt Ion: 43 Resp: 113085

Ion Ratio Lower Upper

43 100

74 27.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

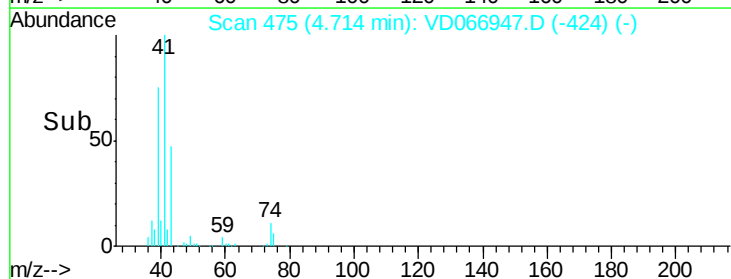
20000

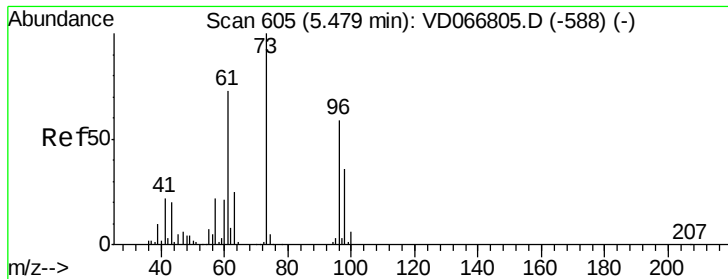
10000

0

4.60 4.70 4.80

Time-->





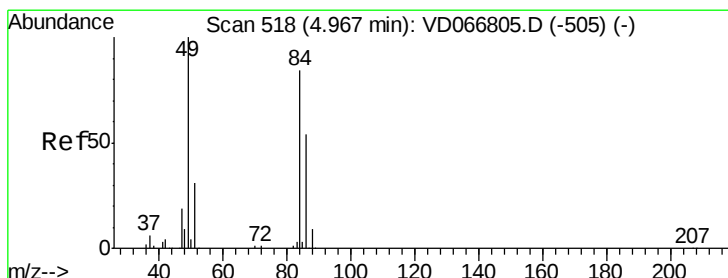
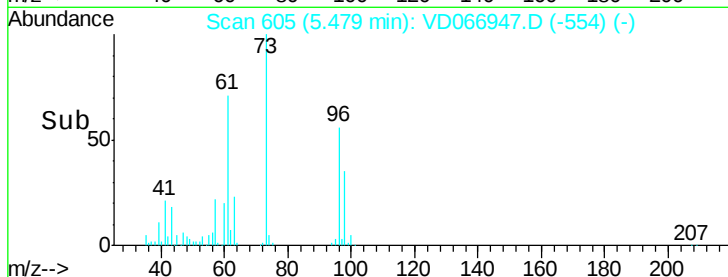
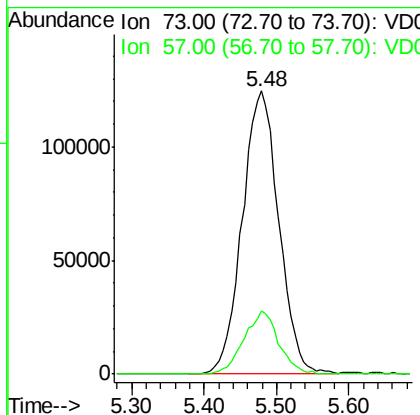
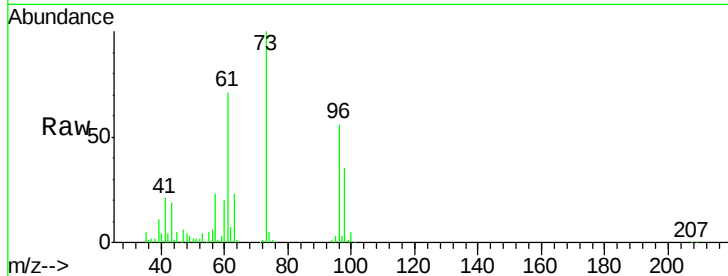
#19
Methvl tert-butvl Ether
Concen: 59.359 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.2

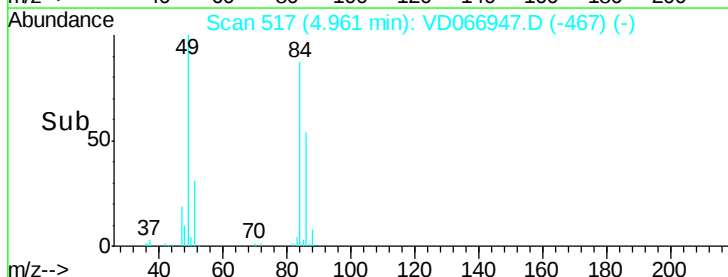
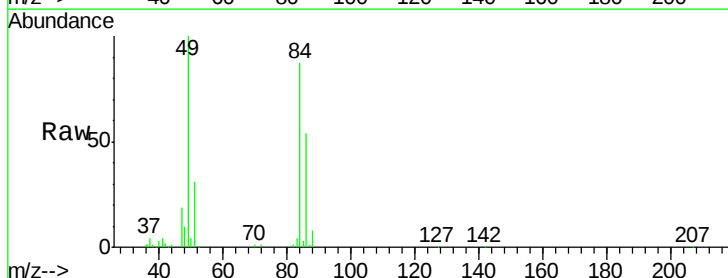
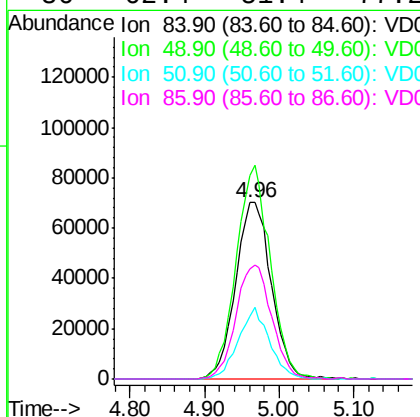
Manual Integrations
APPROVED

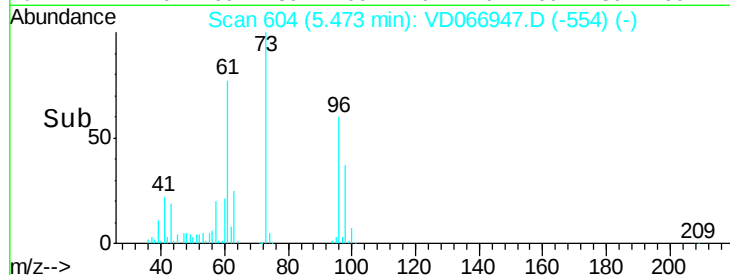
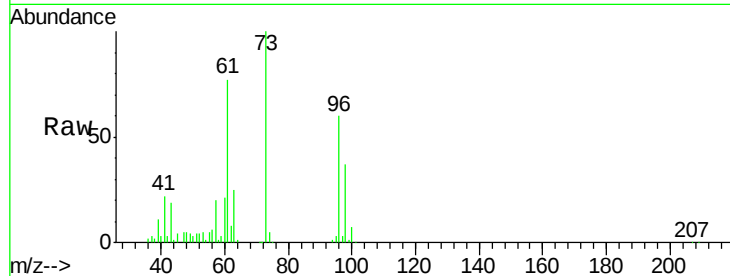
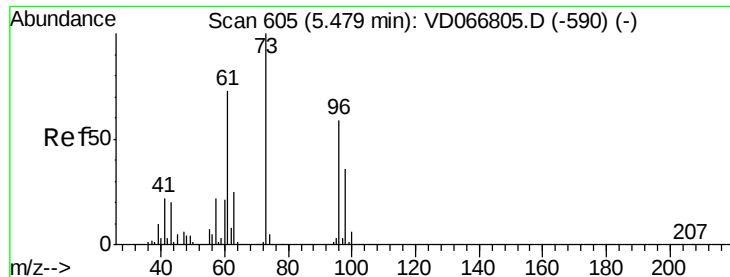
MMDadoda
9/30/2020 1:21:58 PM



#20
Methylene Chloride
Concen: 61.679 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.6	95.4	143.2
51	35.7	29.7	44.5
86	62.4	51.4	77.2





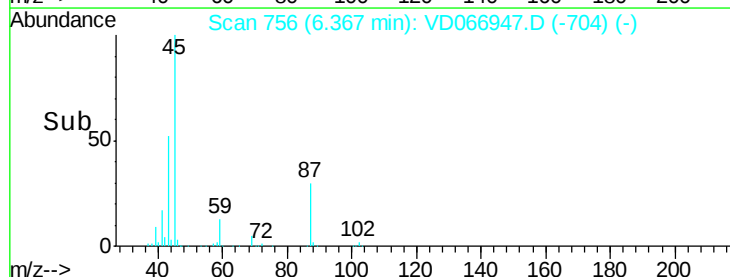
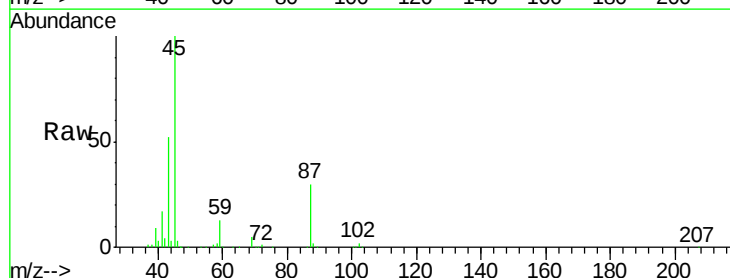
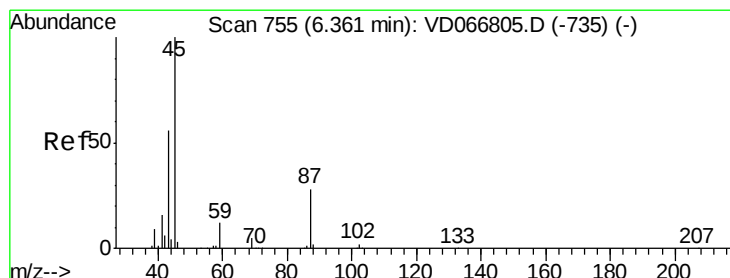
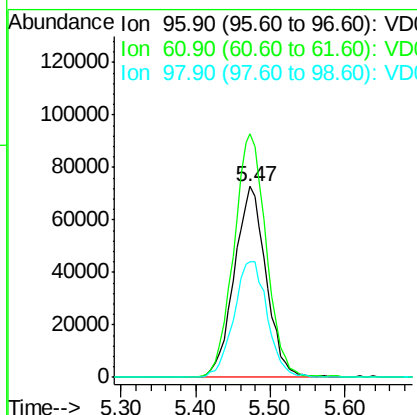
#21
trans-1,2-Dichloroethene
Concen: 55.013 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tot Ion	Ratio	Resp	Lower	Upper
96	100	215395		
61	127.6	98.9	148.3	
98	60.5	48.4	72.6	

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

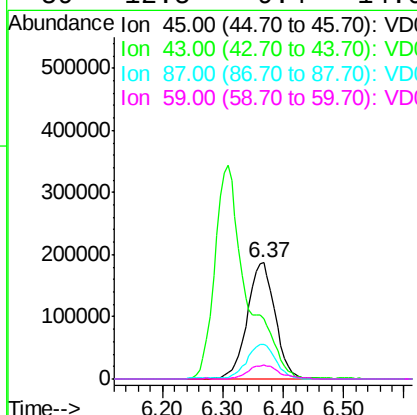
Manual Integrations
APPROVED

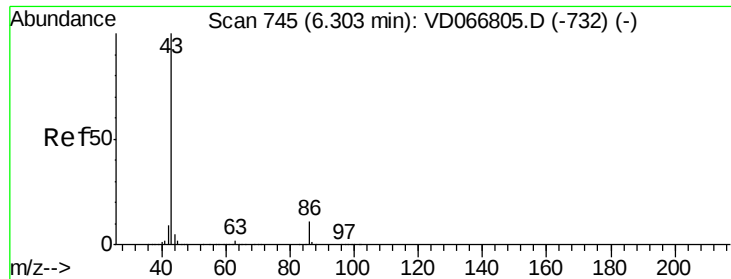
MMDadoda
9/30/2020 1:21:58 PM



#22
Diisopropyl ether
Concen: 58.936 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	601698		
43	51.8	44.5	66.7	
87	29.6	22.9	34.3	
59	12.5	9.4	14.0	





#23

Vinyl Acetate

Concen: 226.628 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 43 Resp: 1254783

Ion Ratio Lower Upper

43 100

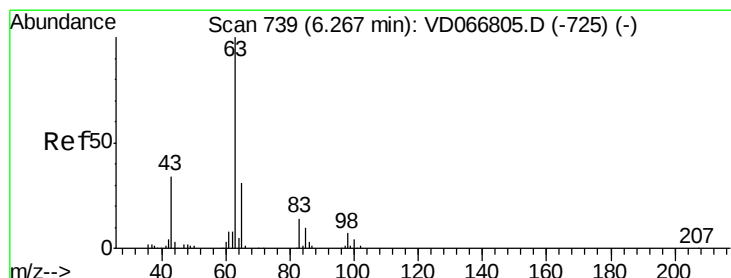
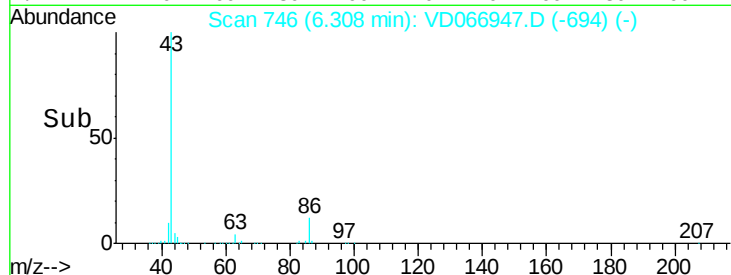
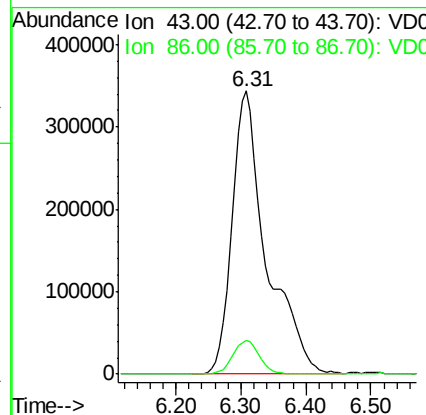
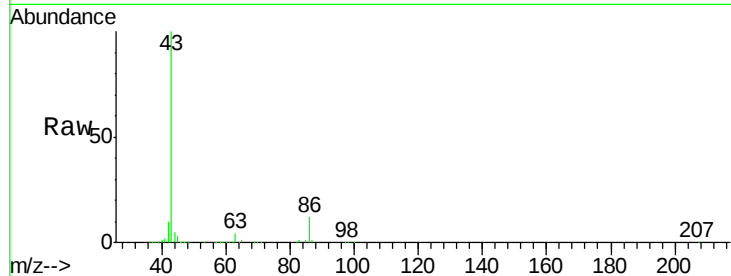
86 12.0 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:21:58 PM



#24

1,1-Dichloroethane

Concen: 54.832 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

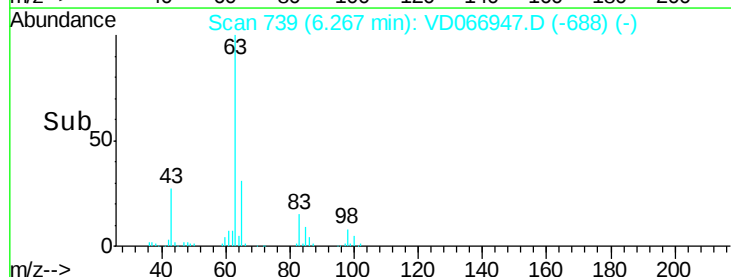
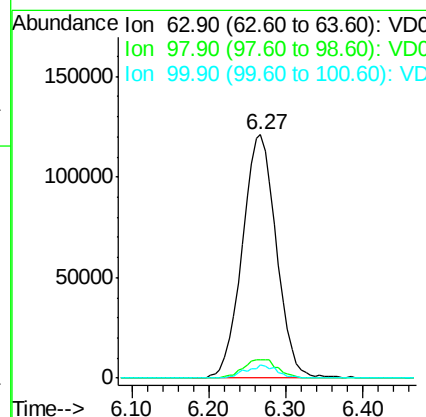
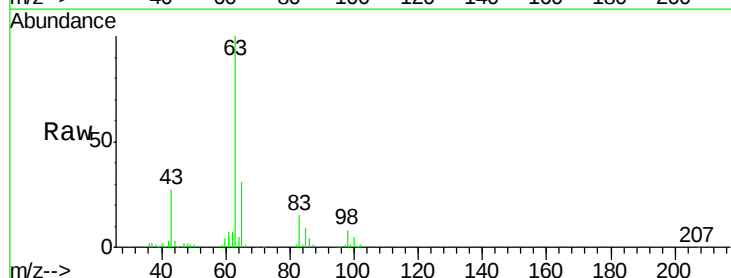
Tgt Ion: 63 Resp: 374499

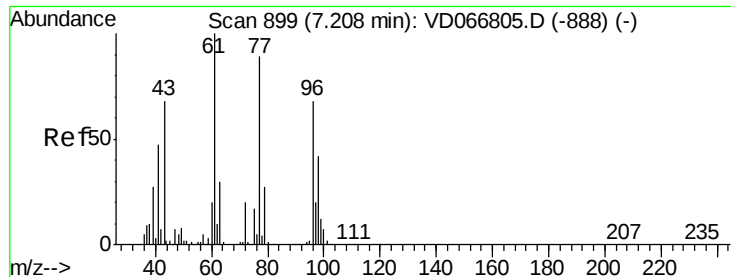
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 5.5 1.8 5.5





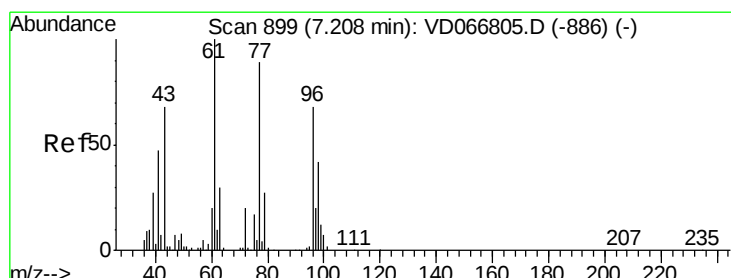
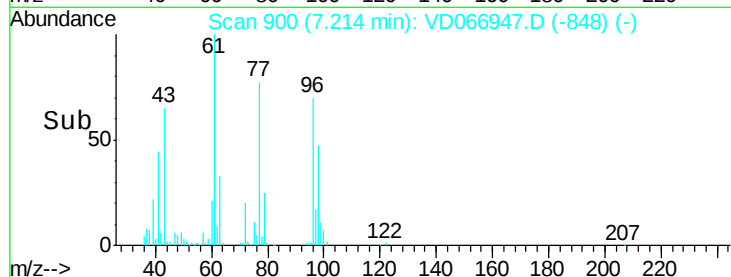
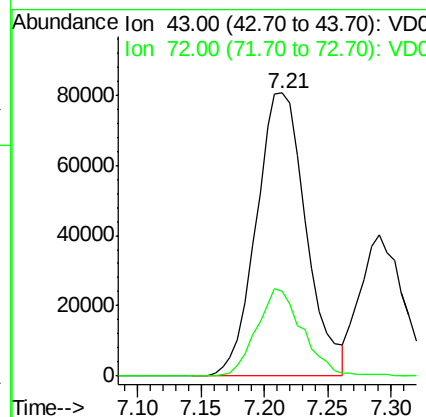
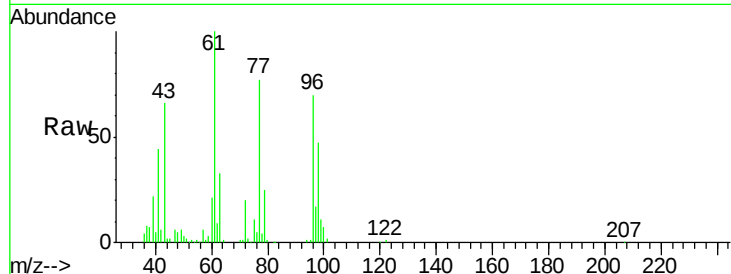
#25
2-Butanone
Concen: 256.236 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion: 43 Resp: 220779
Ion Ratio Lower Upper
43 100
72 30.0 22.9 34.3

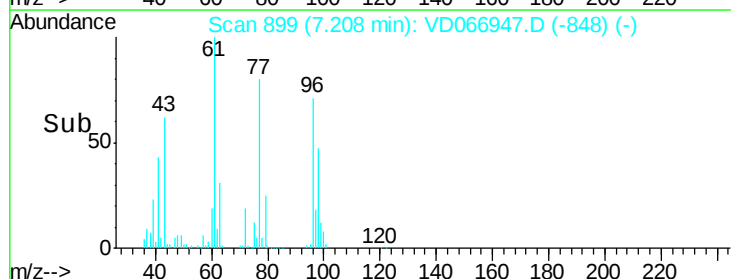
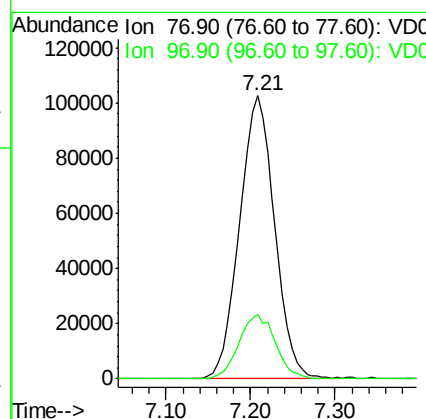
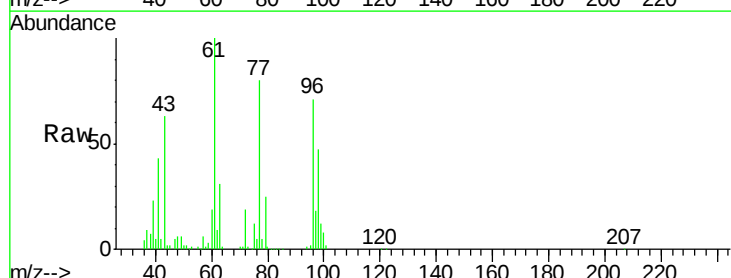
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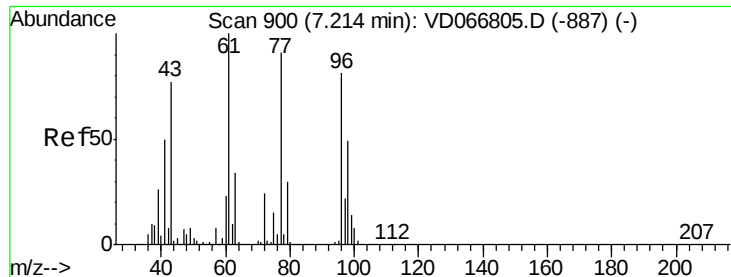
MMDadoda
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#26
2,2-Dichloropropane
Concen: 47.076 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion: 77 Resp: 294695
Ion Ratio Lower Upper
77 100
97 23.7 11.7 35.1





#27

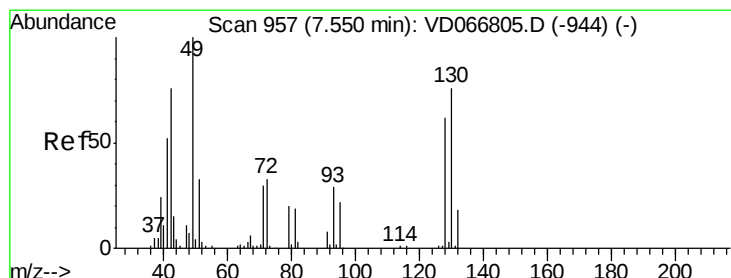
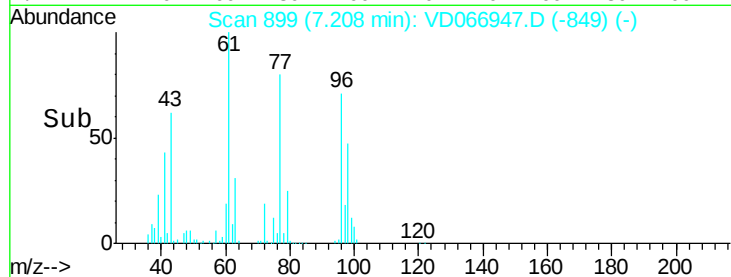
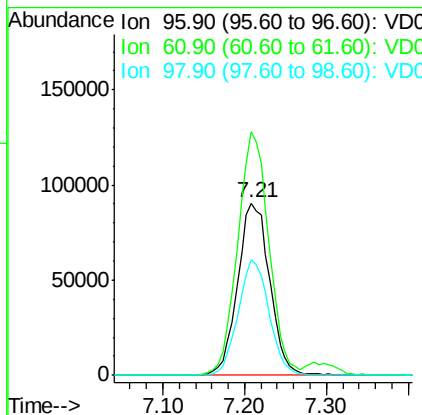
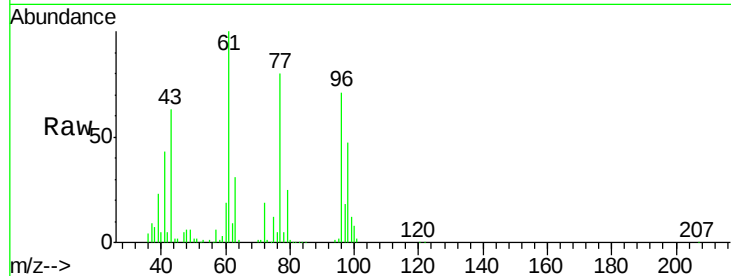
cis-1,2-Dichloroethene
 Concen: 57.996 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	283.8
98	64.8	0.0	128.4

Manual Integrations
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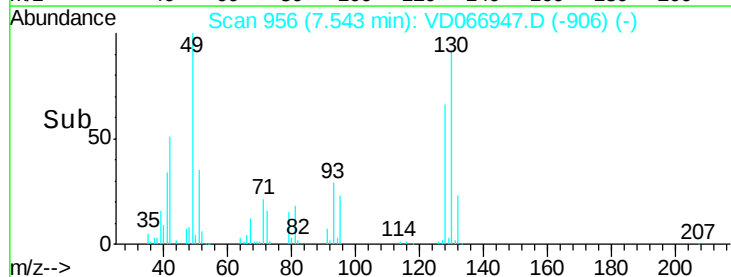
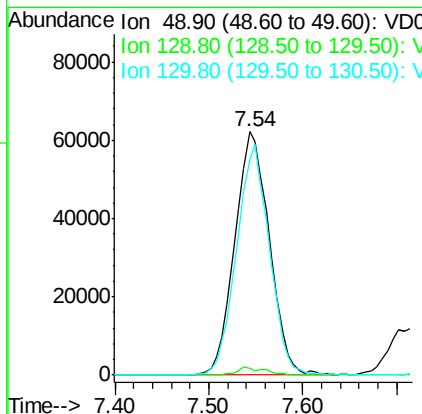
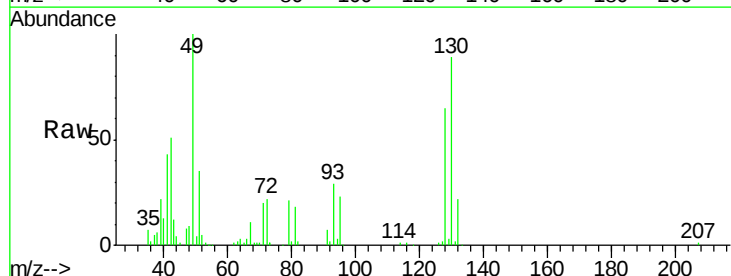
MMDadoda
 9/30/2020 1:21:58 PM

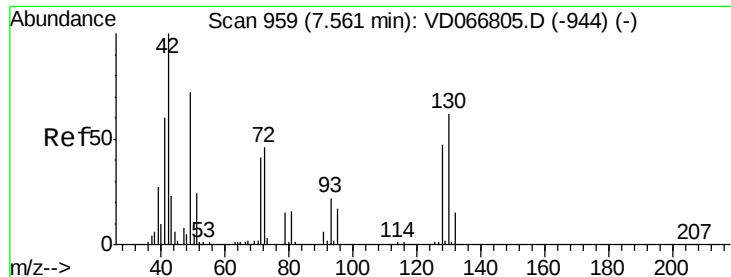


#28

Bromochloromethane
 Concen: 56.131 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	2.0#
130	90.4	65.9	98.9





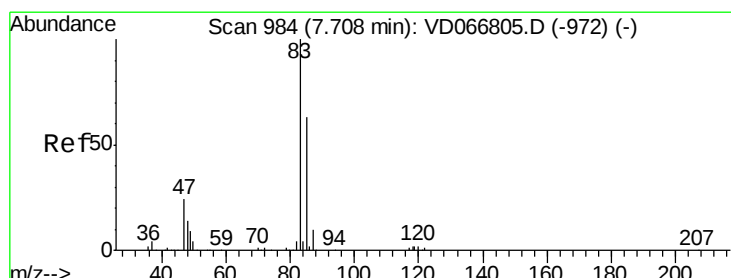
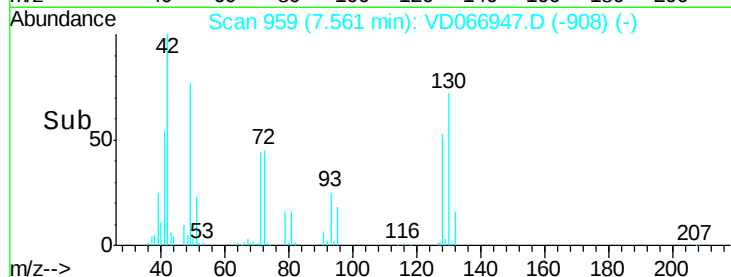
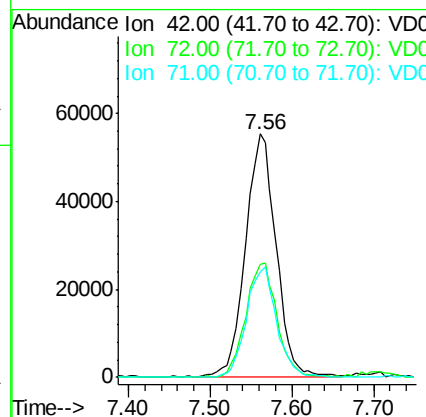
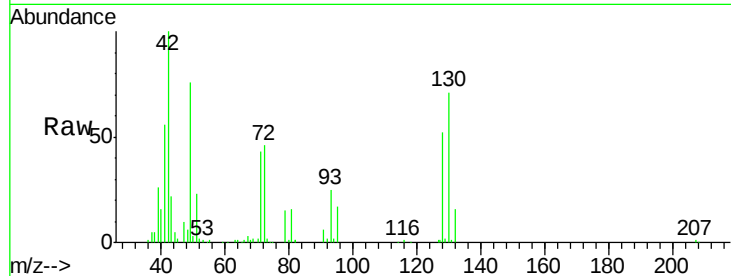
#29
Tetrahydrofuran
Concen: 262.617 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	36.2	54.4
71	43.9	32.4	48.6

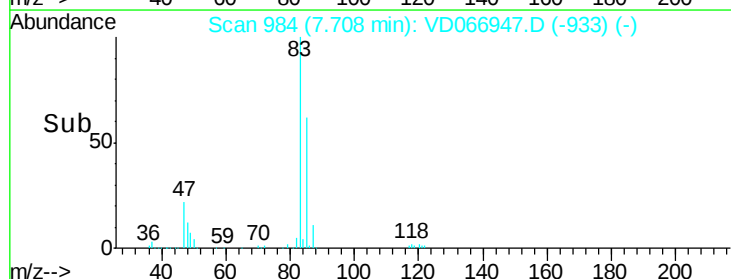
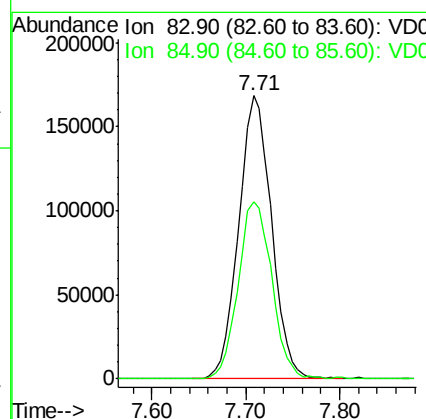
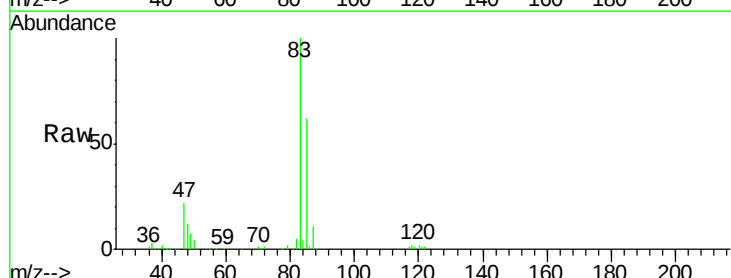
Manual Integrations
APPROVED

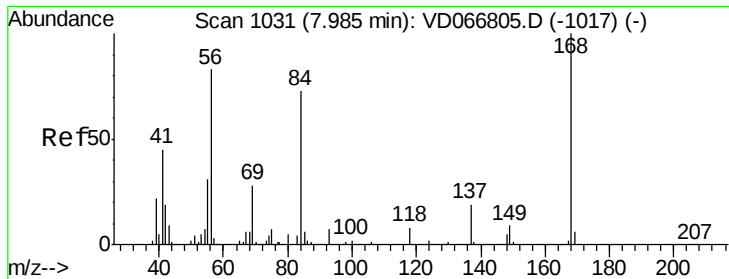
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#30
Chloroform
Concen: 55.447 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8





#31

Cyclohexane

Concen: 38.602 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

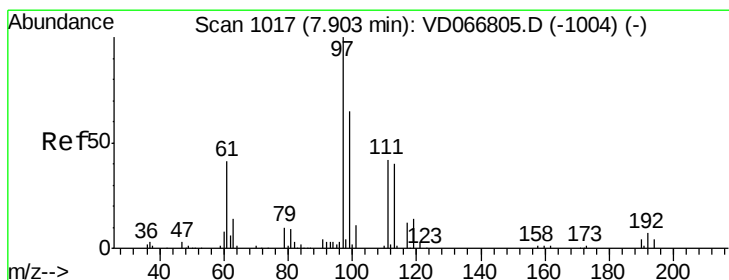
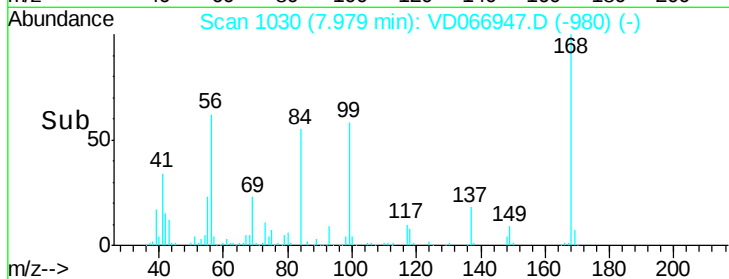
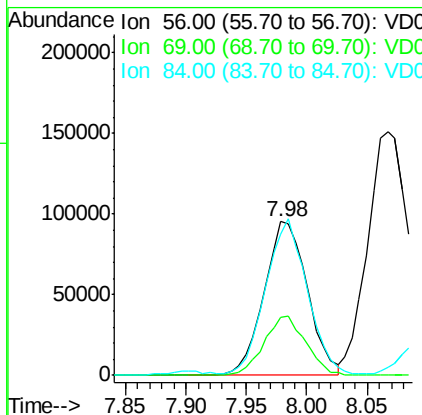
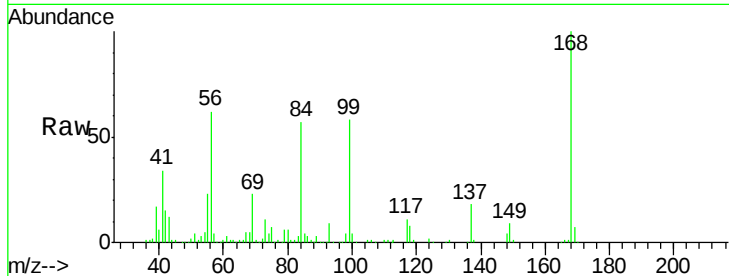
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	56	Resp:	237226
Ion Ratio	Lower	Upper	
56	100		
69	37.3	27.0	40.4
84	89.4	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.017 ug/l

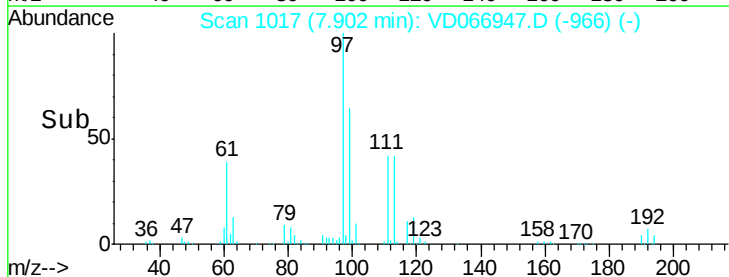
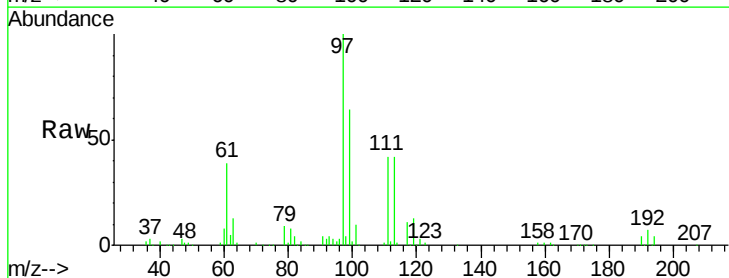
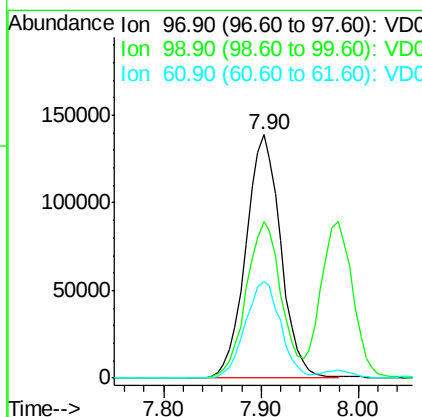
RT: 7.90 min Scan# 1017

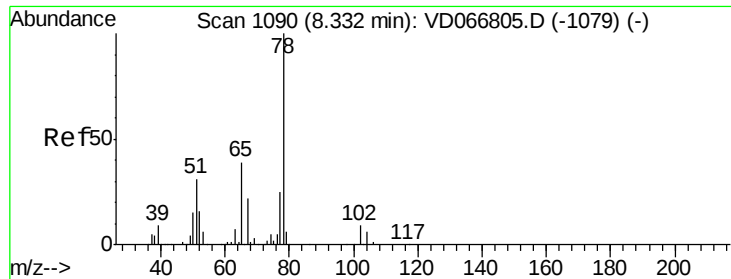
Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion:	97	Resp:	346433
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.5	77.3
61	40.1	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 48.852 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 65 Resp: 165114

Ion Ratio Lower Upper

65 100

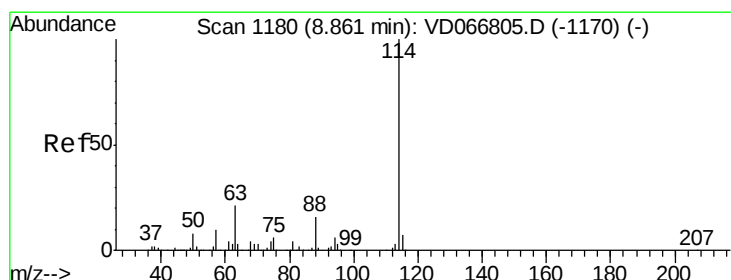
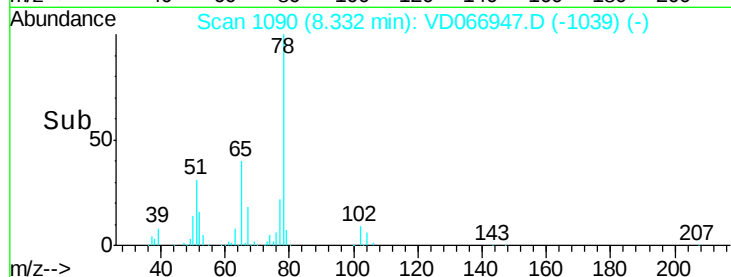
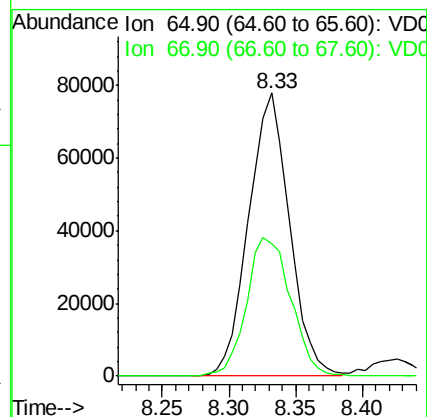
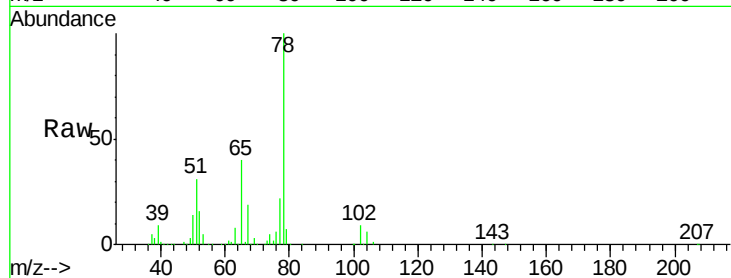
67 52.9 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

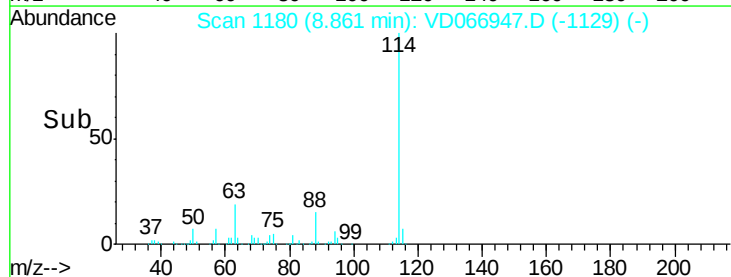
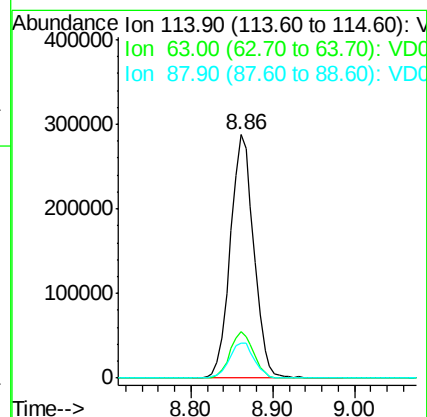
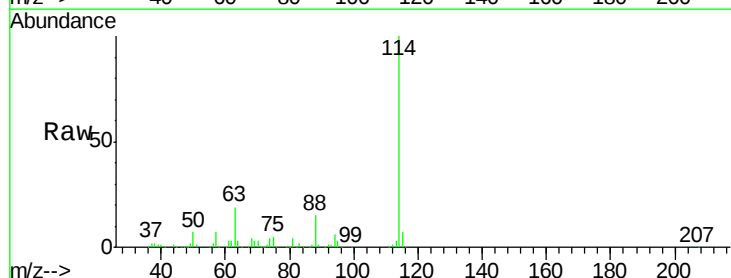
Tgt Ion: 114 Resp: 576753

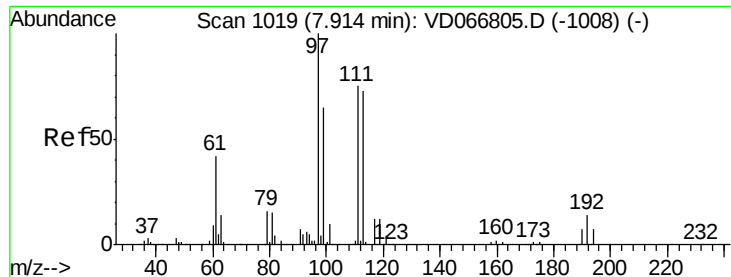
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 14.6 0.0 32.6





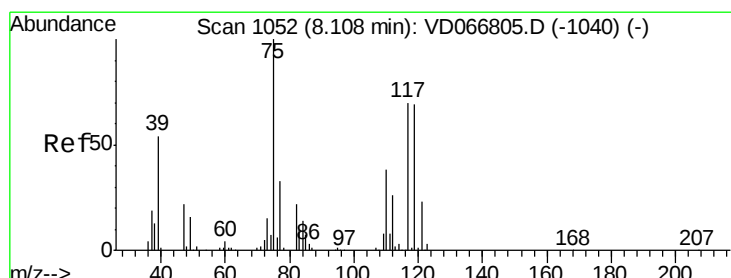
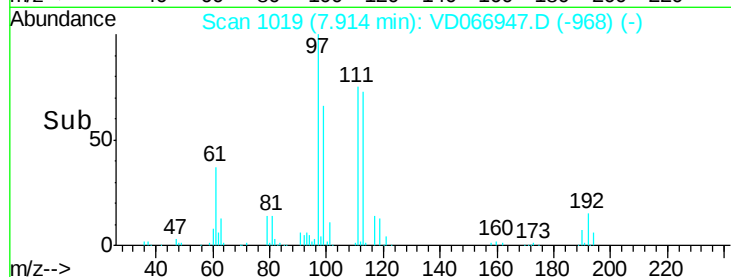
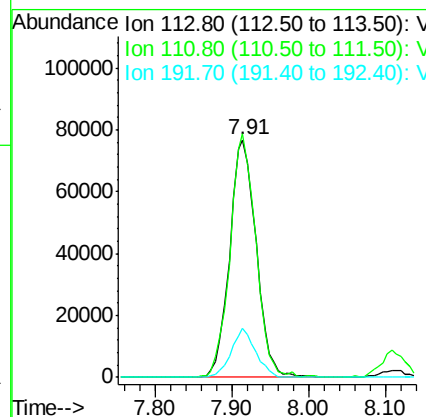
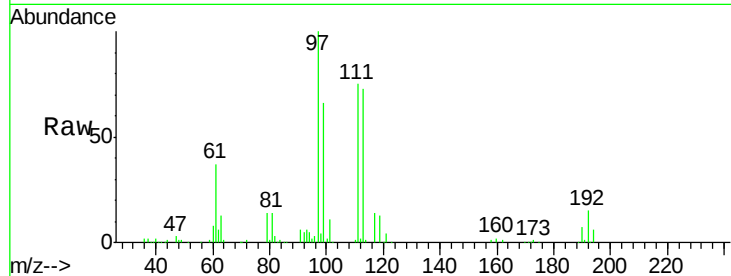
#35
 Dibromofluoromethane
 Concen: 50.321 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184642		
111	99.7	81.8	122.8	
192	19.0	14.4	21.6	

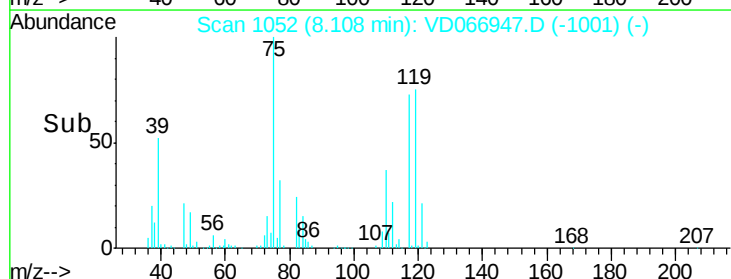
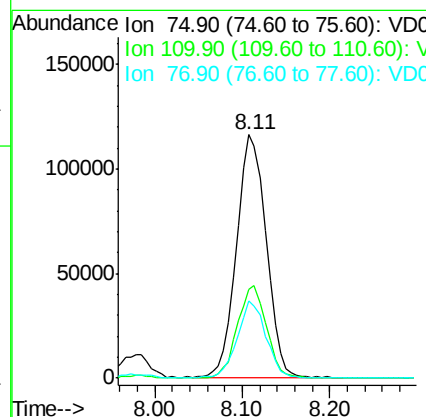
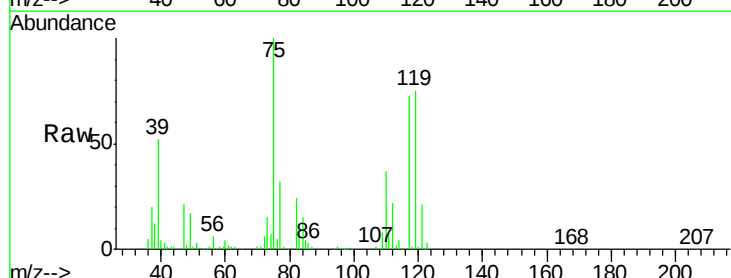
Manual Integrations
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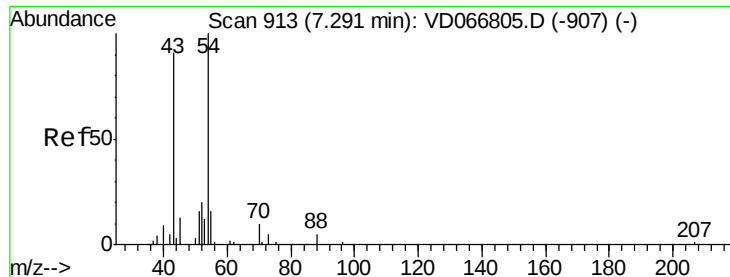
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#36
 1,1-Dichloropropene
 Concen: 46.916 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	268449		
110	37.1	17.9	53.8	
77	30.7	25.0	37.6	





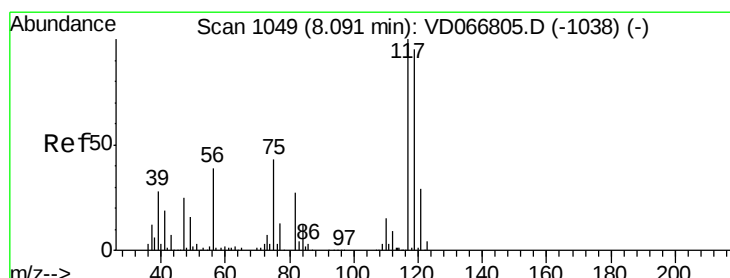
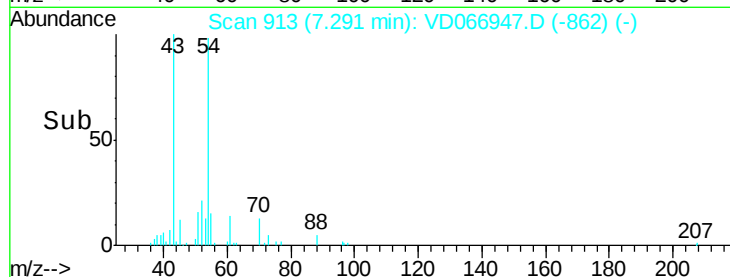
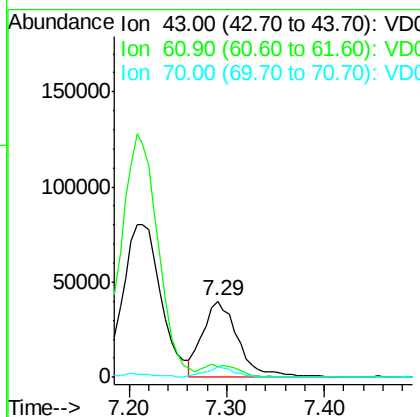
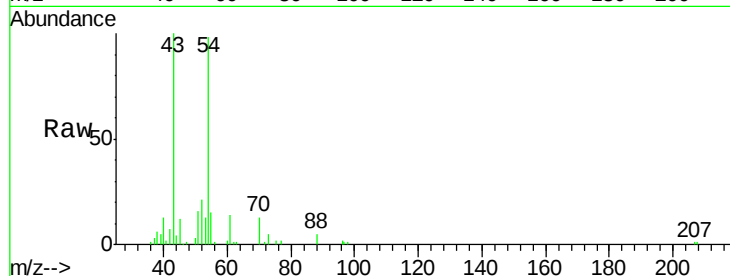
#37
Ethyl Acetate
Concen: 48.400 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	9.8	14.8#
70	11.6	8.5	12.7

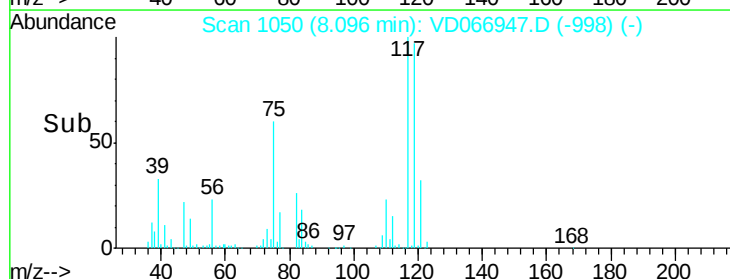
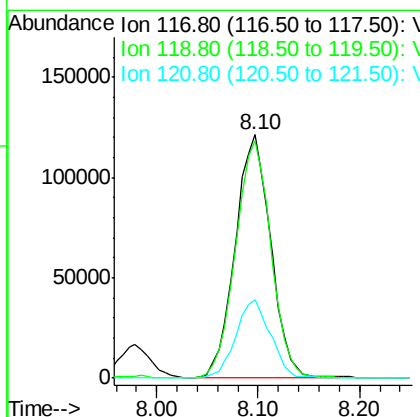
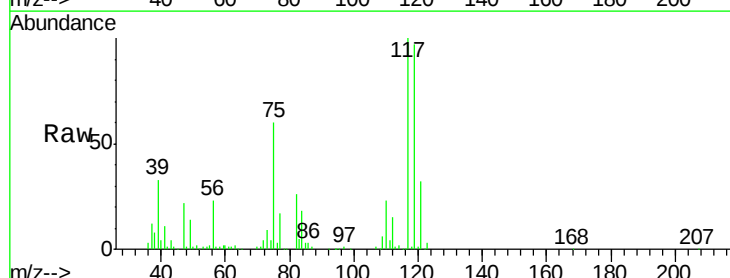
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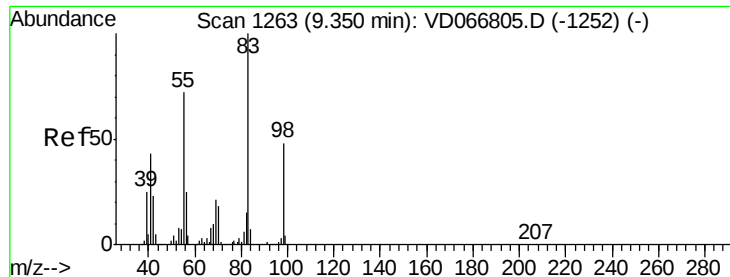
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#38
Carbon Tetrachloride
Concen: 46.694 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
121	32.2	23.4	35.0





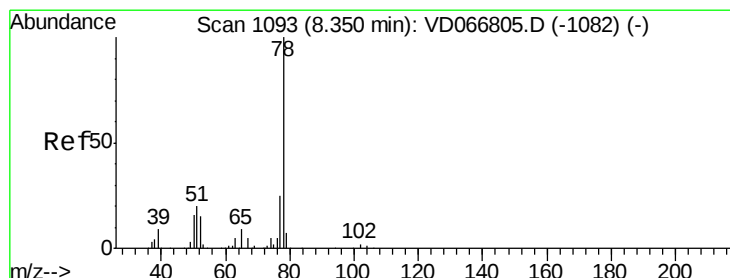
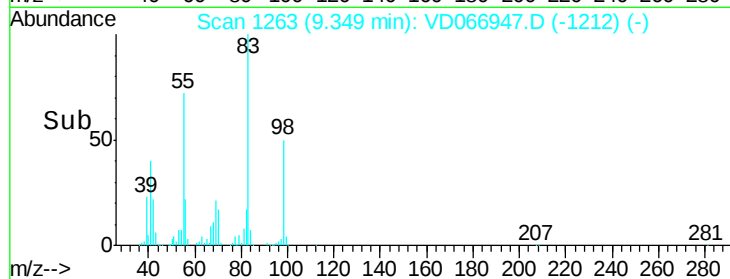
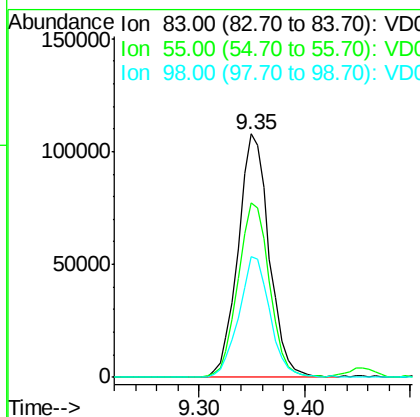
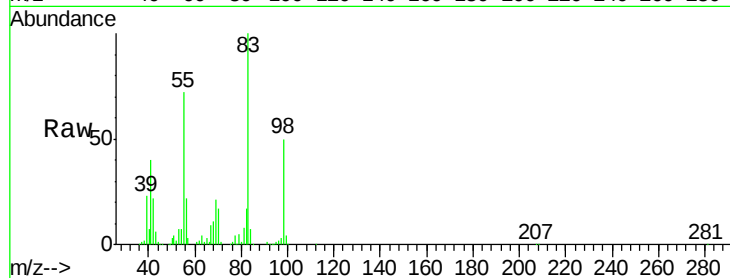
#39
Methylvlcyclohexane
Concen: 33.559 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	57.7	86.5
98	49.8	38.4	57.6

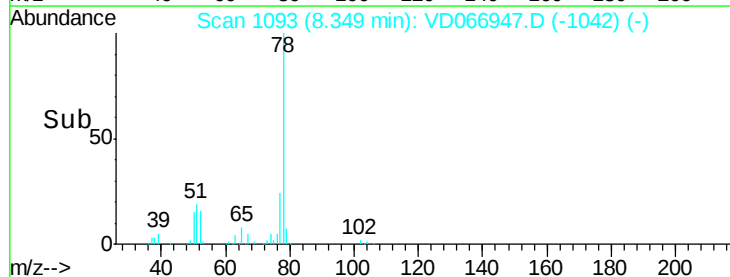
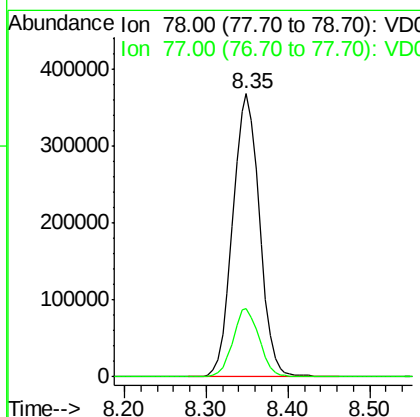
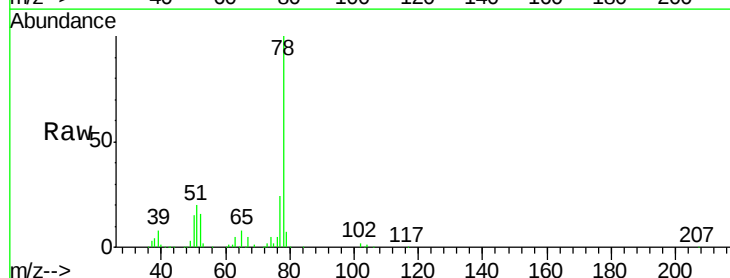
Manual Integrations
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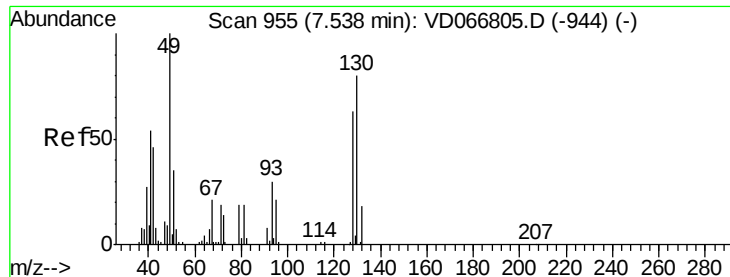
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#40
Benzene
Concen: 52.590 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





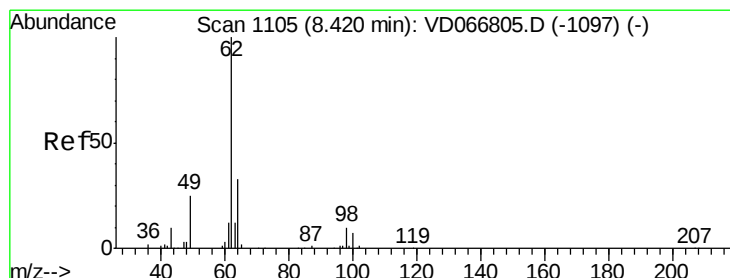
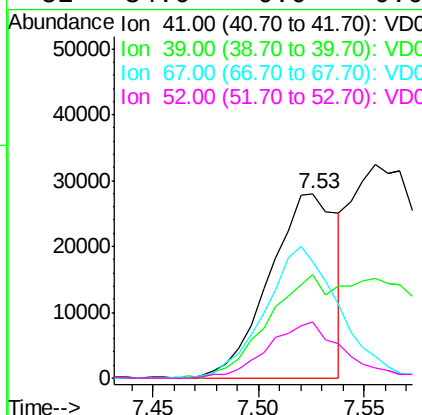
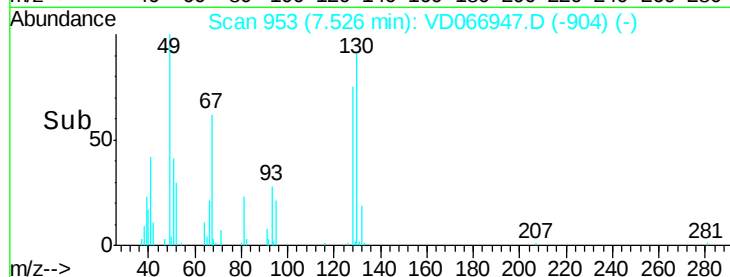
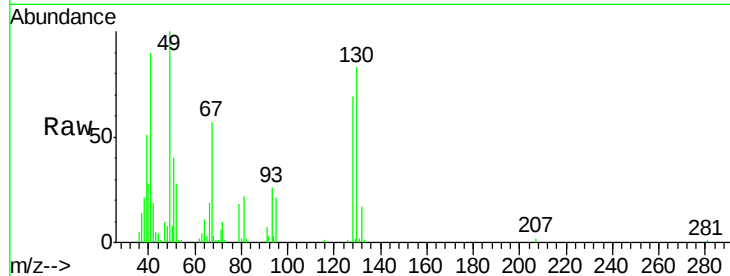
#41
Methacrylonitrile
Concen: 48.966 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	0.0	0.0#
67	78.5	0.0	0.0#
52	34.0	0.0	0.0#

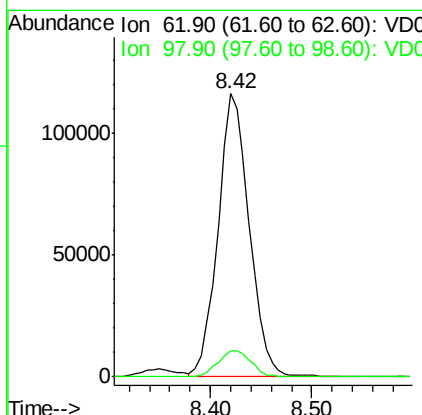
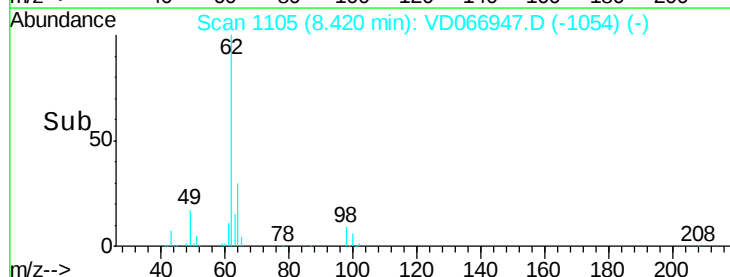
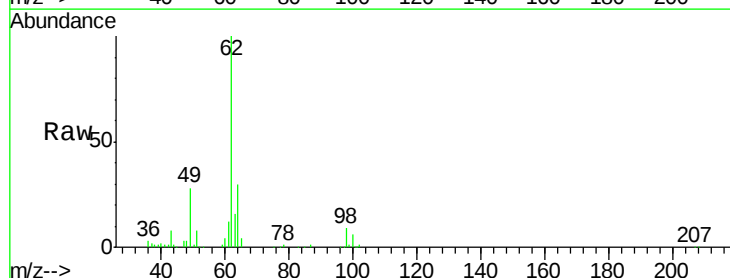
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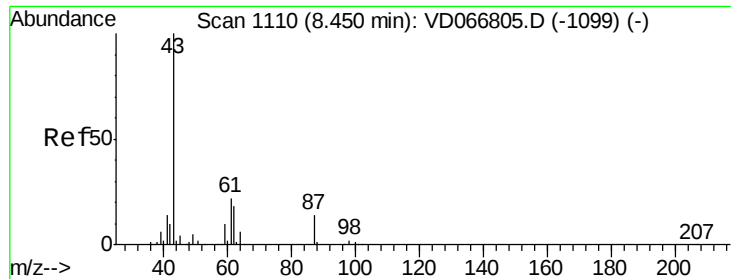
MMDadoda
9/30/2020 1:21:58 PM



#42
1,2-Dichloroethane
Concen: 52.500 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





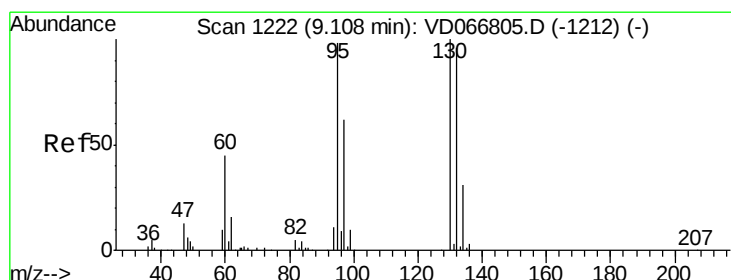
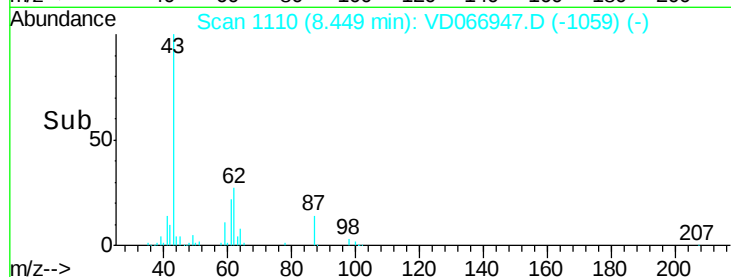
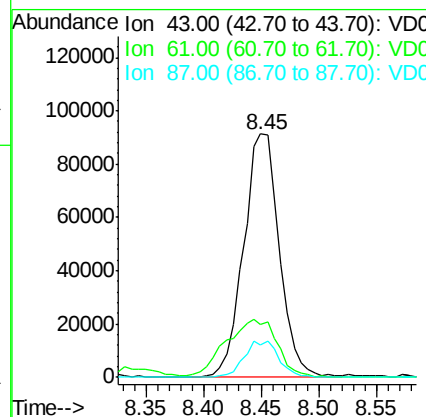
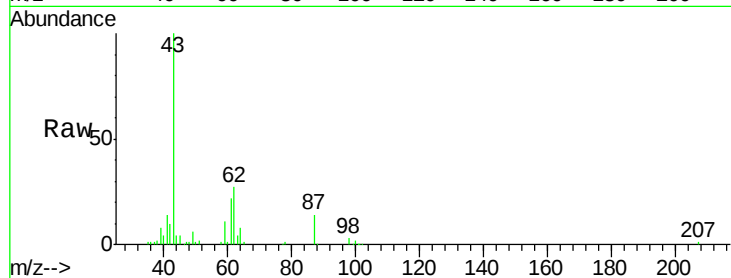
#43
Isopropyl Acetate
Concen: 49.177 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.4	26.2	39.4
87	14.6	11.5	17.3

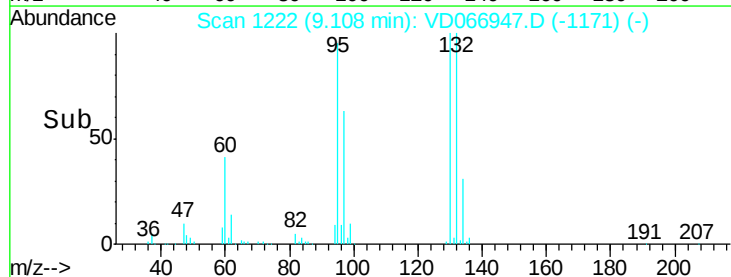
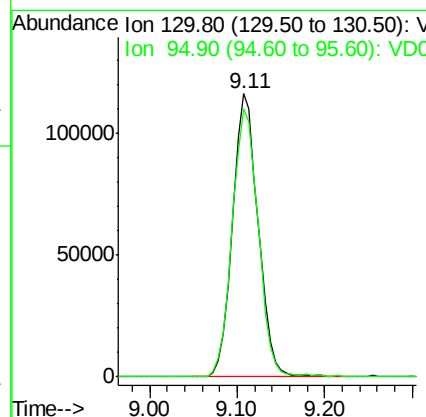
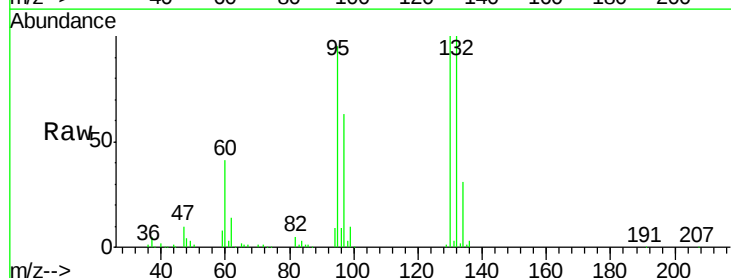
Manual Integrations
APPROVED

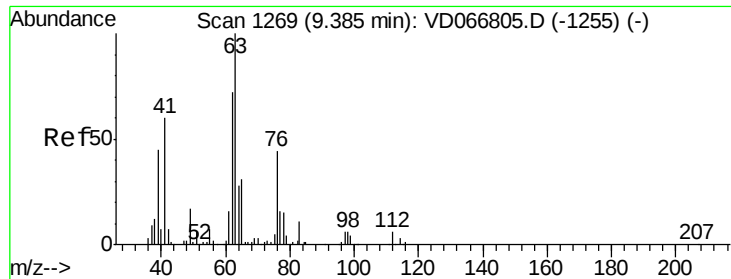
MMDadoda
9/30/2020 1:21:58 PM



#44
Trichloroethene
Concen: 50.922 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	197.0





#45

1,2-Dichloropropane

Concen: 53.780 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 63 Resp: 215775

Ion Ratio Lower Upper

63 100

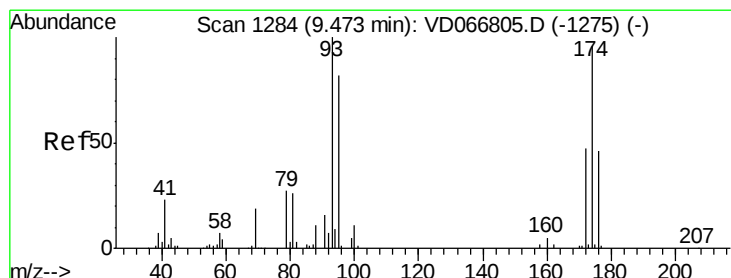
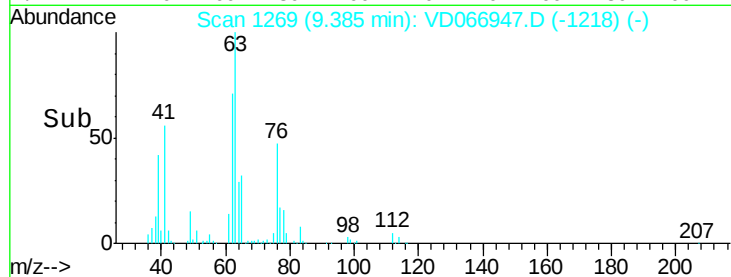
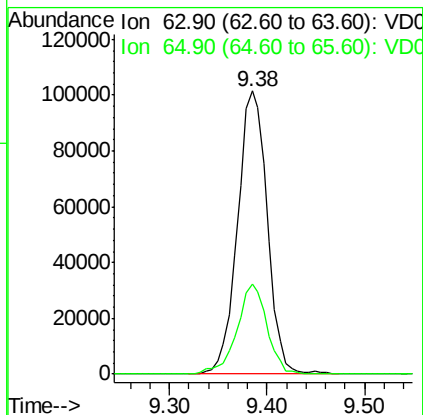
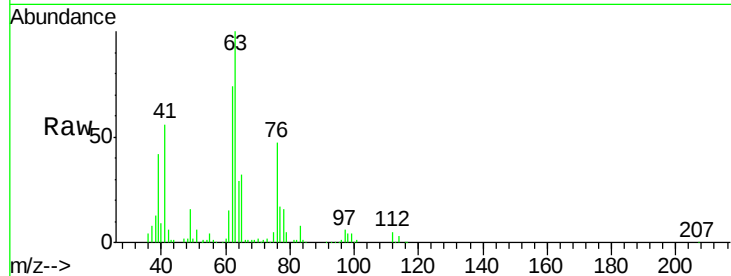
65 31.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 53.757 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

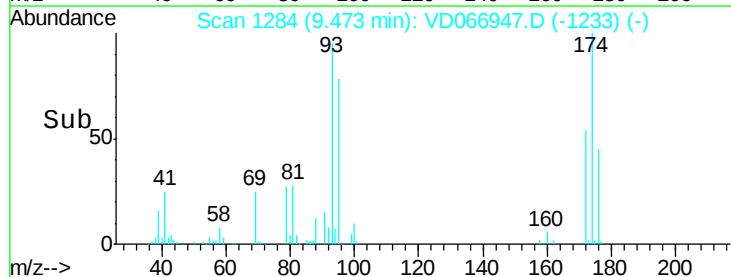
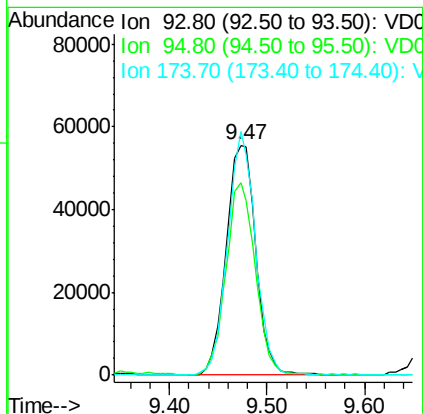
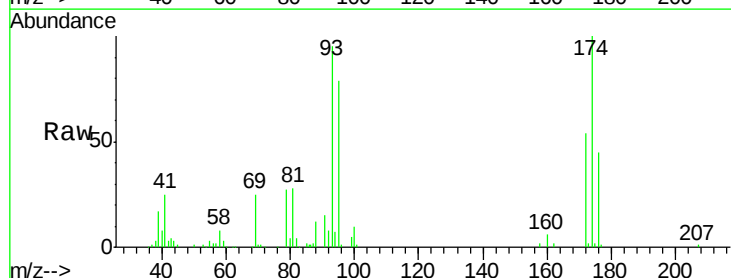
Tgt Ion: 93 Resp: 117186

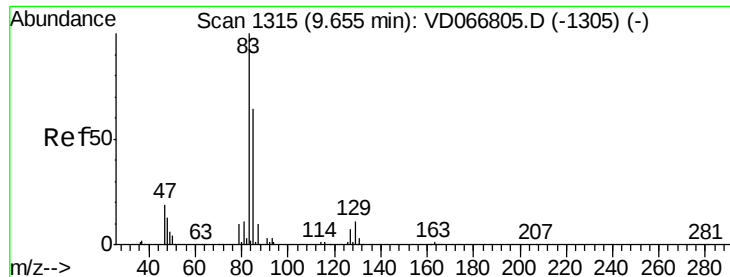
Ion Ratio Lower Upper

93 100

95 82.8 65.3 97.9

174 99.4 75.4 113.2





#47

Bromodichloromethane

Concen: 53.732 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

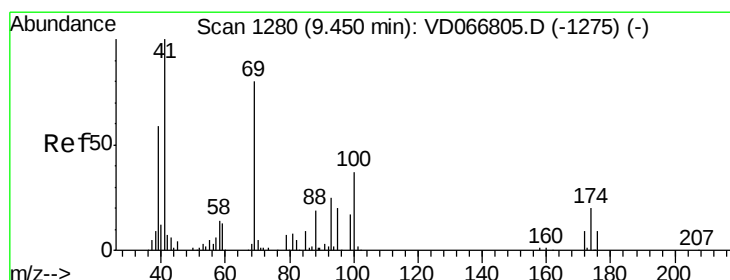
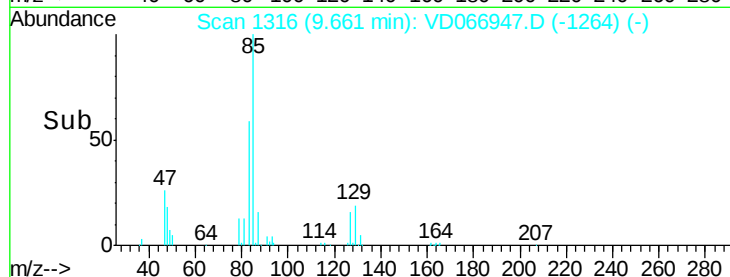
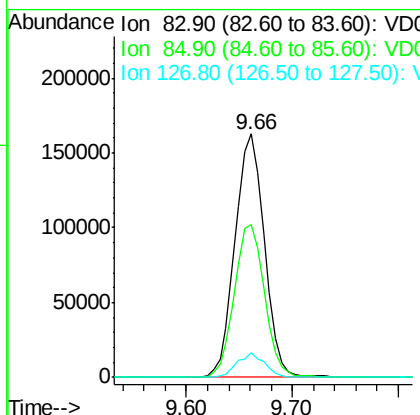
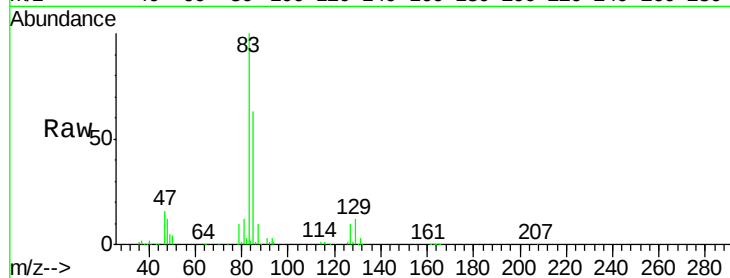
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	83	Resp:	314652
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3
127	10.3	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.859 ug/l

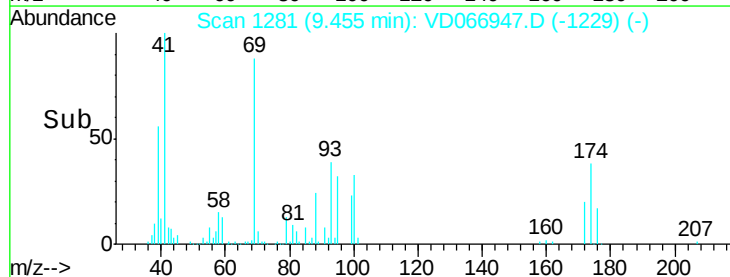
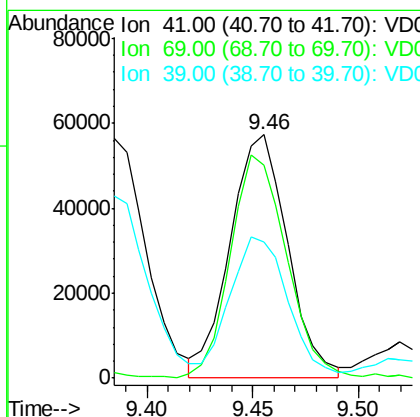
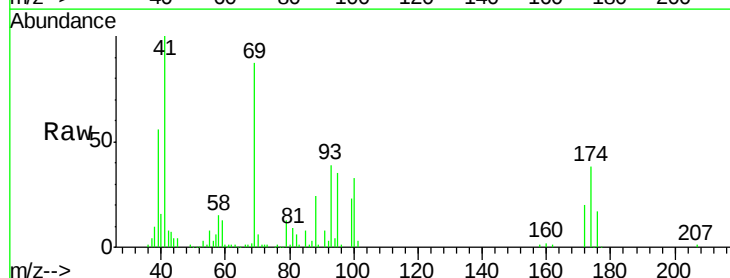
RT: 9.46 min Scan# 1281

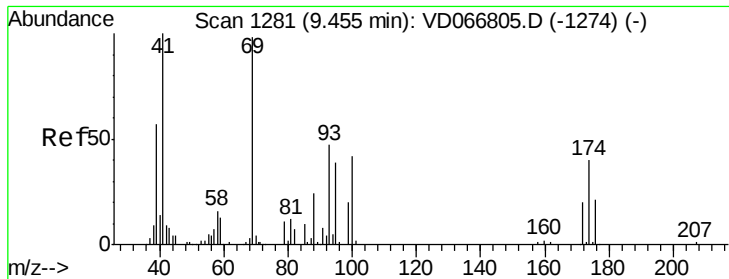
Delta R.T. 0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion:	41	Resp:	107866
Ion	Ratio	Lower	Upper
41	100		
69	89.0	74.5	111.7
39	59.7	47.0	70.6





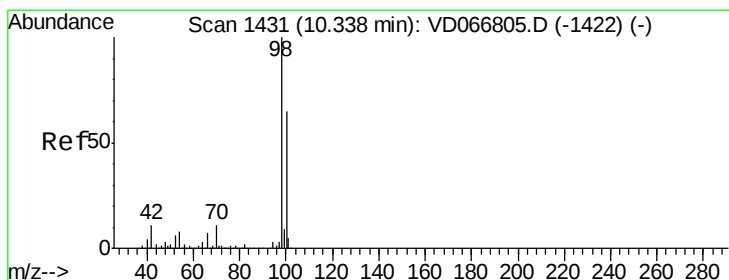
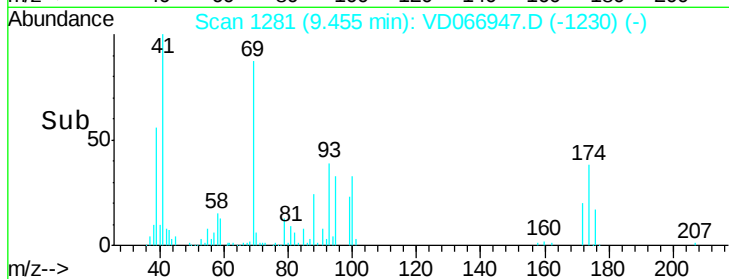
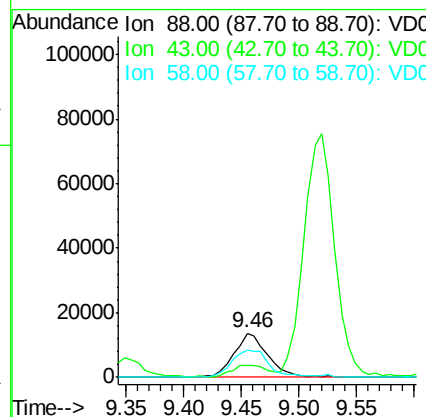
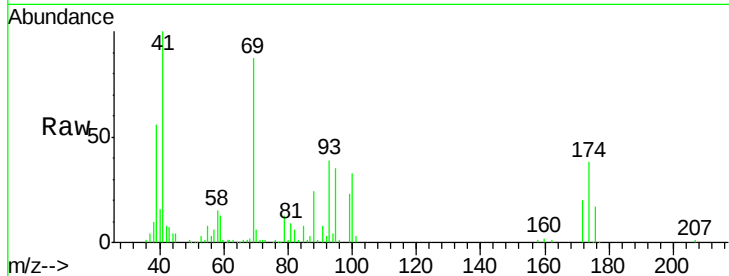
#49
1,4-Dioxane
Concen: 1126.991 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	88	Resp	27535
Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.7	41.5
58	67.7	55.5	83.3

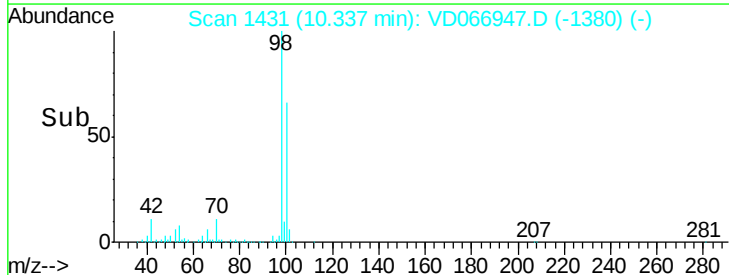
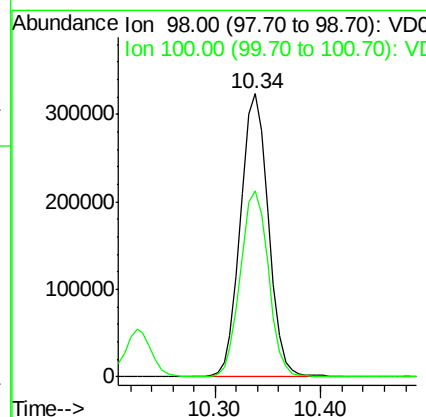
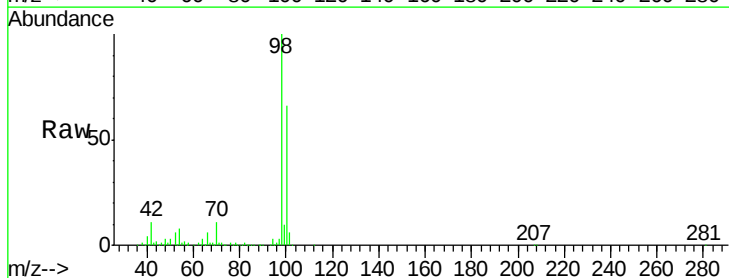
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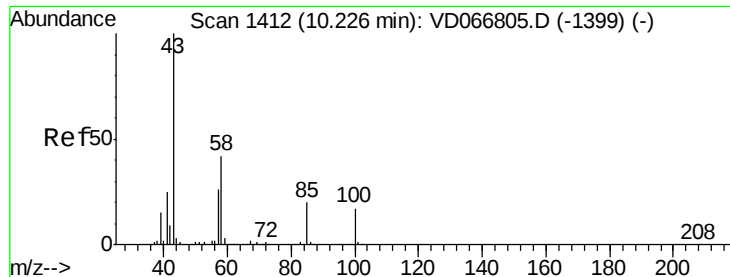
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#50
Toluene-d8
Concen: 47.317 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	98	Resp	591555
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 264.685 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion: 43 Resp: 534854

Ion Ratio Lower Upper

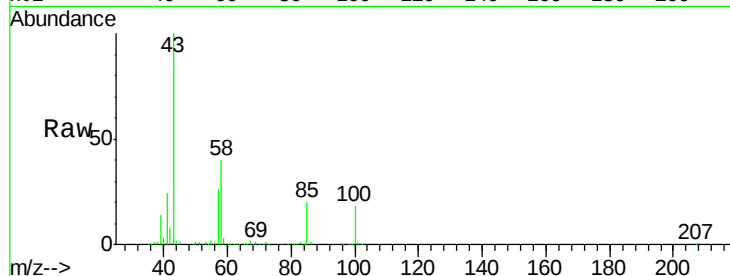
43 100

58 39.9 32.2 48.4

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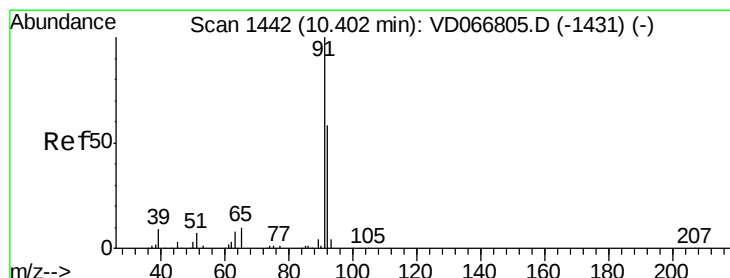
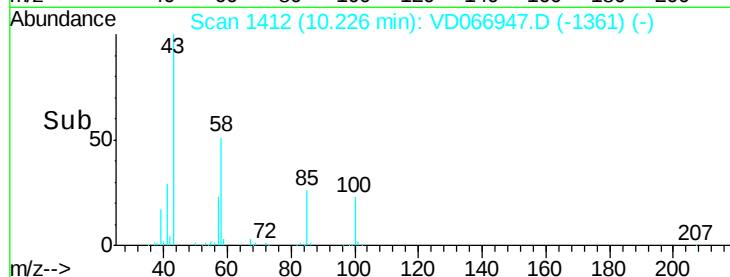
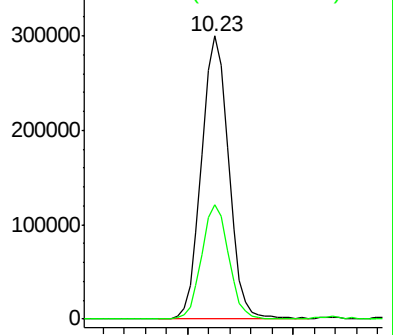
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.494 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066947.D

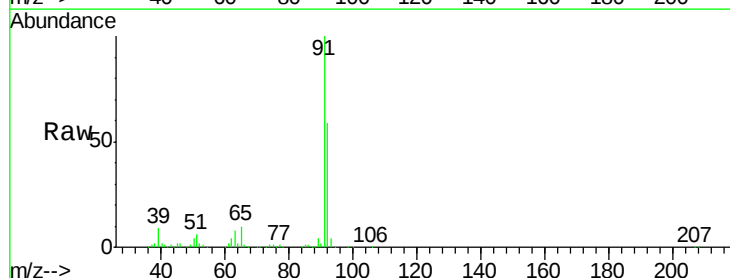
Acq: 29 Sep 2020 19:04

Tgt Ion: 92 Resp: 528940

Ion Ratio Lower Upper

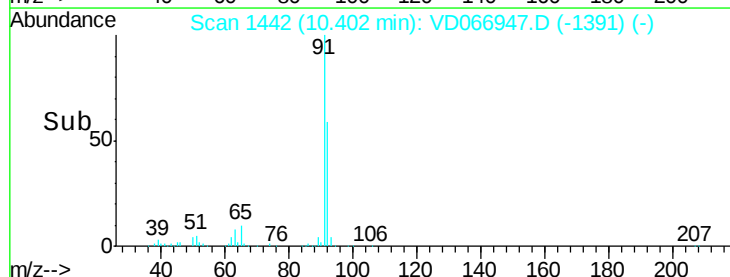
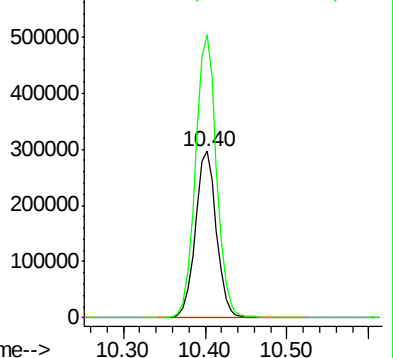
92 100

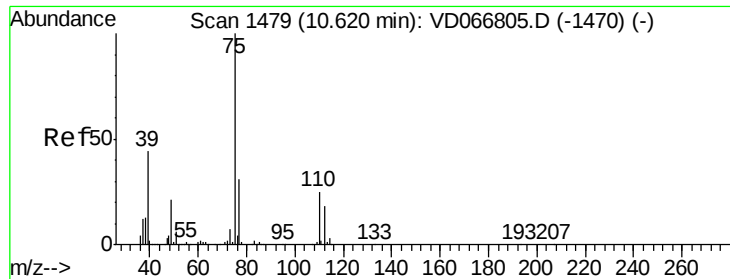
91 170.0 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





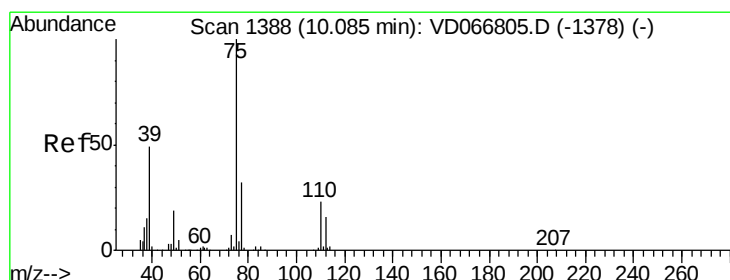
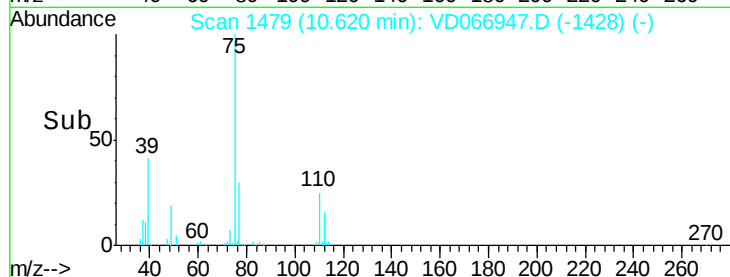
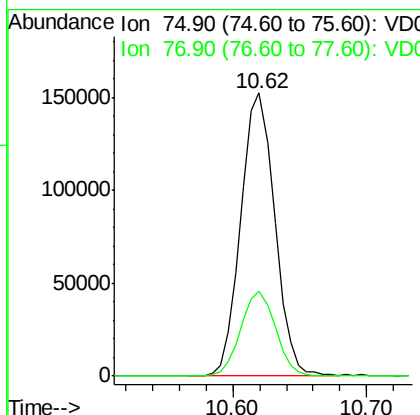
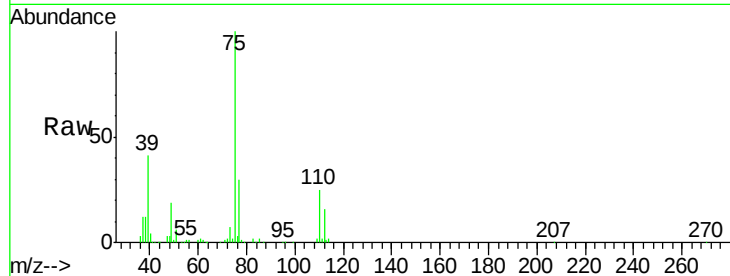
#53
t-1,3-Dichloropropene
Concen: 53.983 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.5	36.7

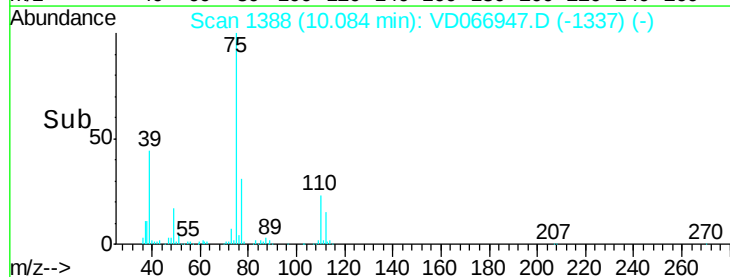
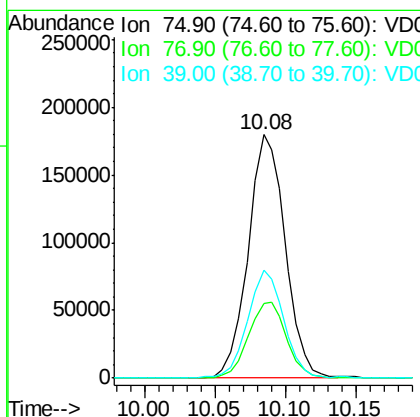
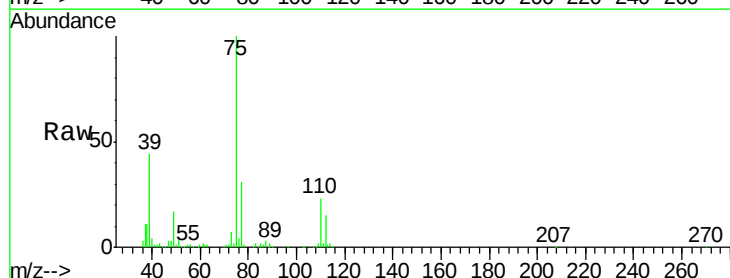
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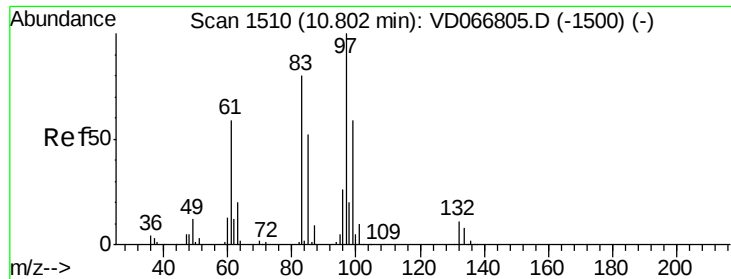
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.530 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4
39	44.2	39.2	58.8





#55

1,1,2-Trichloroethane

Concen: 52.816 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

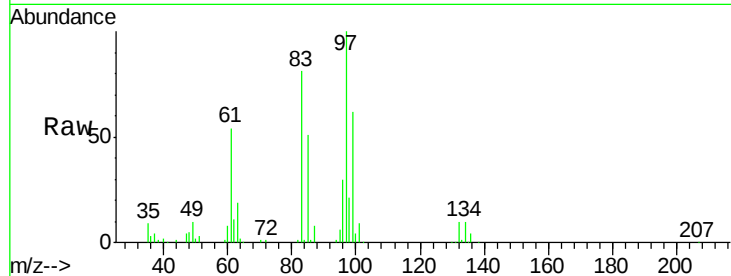
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	97	Resp:	158278
Ion	Ratio	Lower	Upper
97	100		
83	81.2	64.2	96.2
85	50.8	41.9	62.9
99	62.3	47.5	71.3

Manual Integrations
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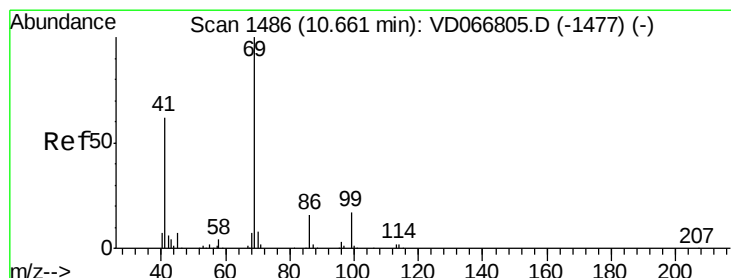
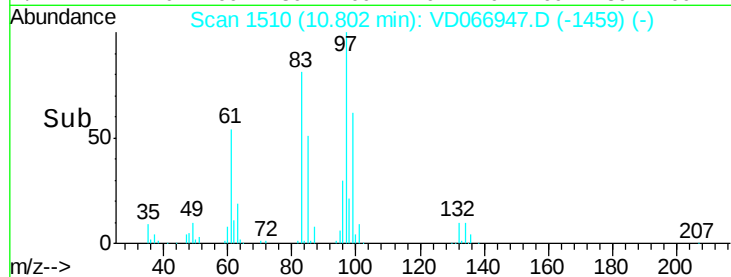
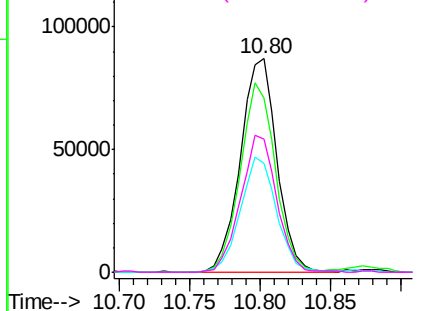


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 56.007 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD066947.D

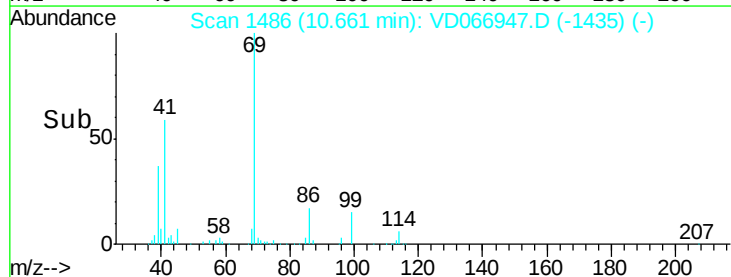
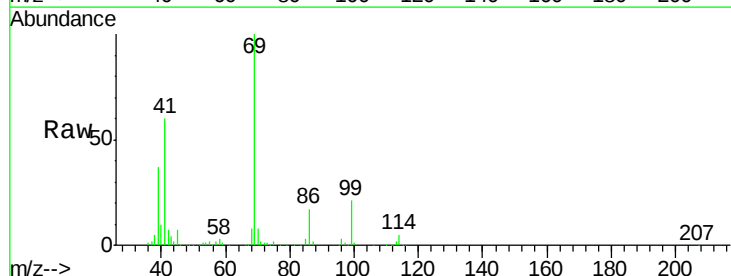
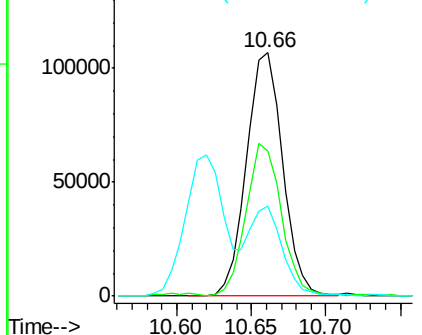
Acq: 29 Sep 2020 19:04

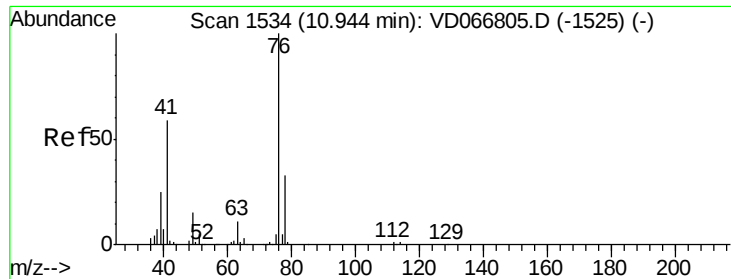
Tgt Ion:	69	Resp:	179804
Ion	Ratio	Lower	Upper
69	100		
41	62.1	52.2	78.2
39	32.2	26.6	40.0

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





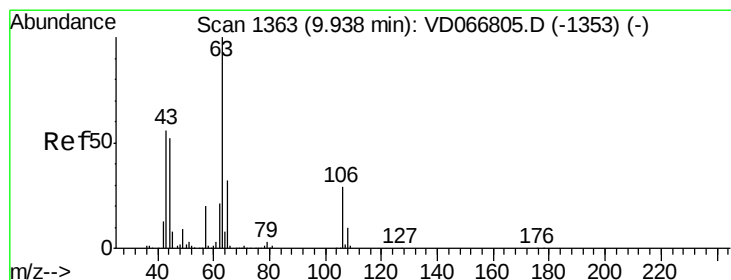
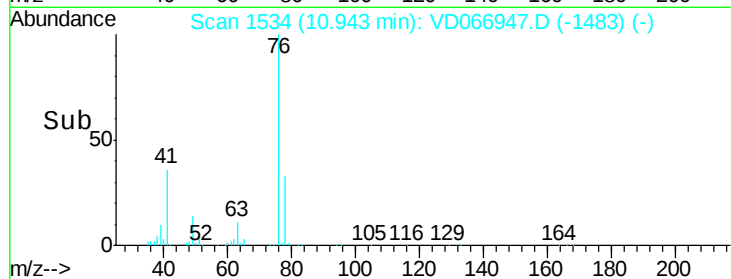
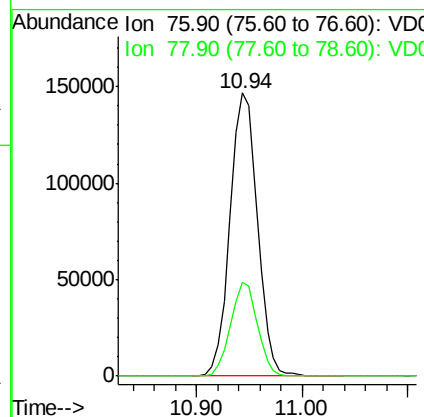
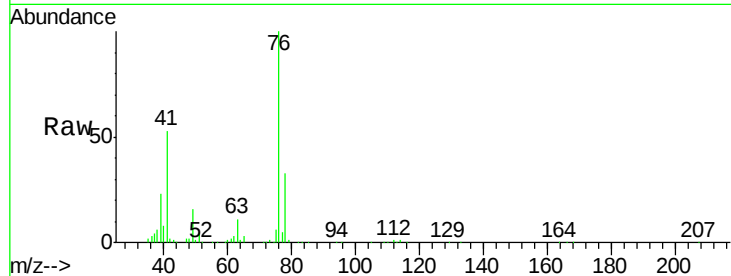
#57
 1,3-Dichloropropane
 Concen: 53.147 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

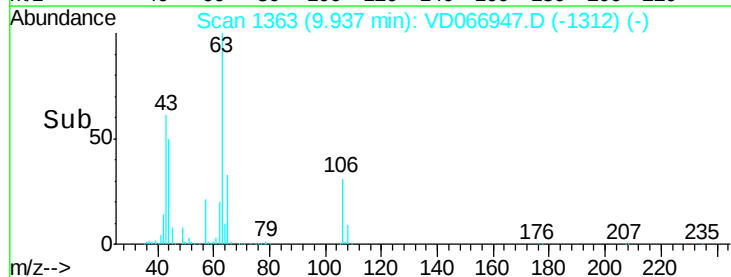
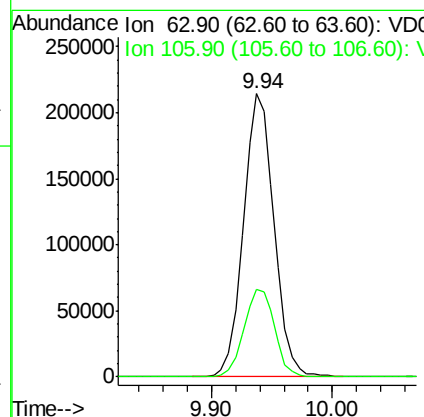
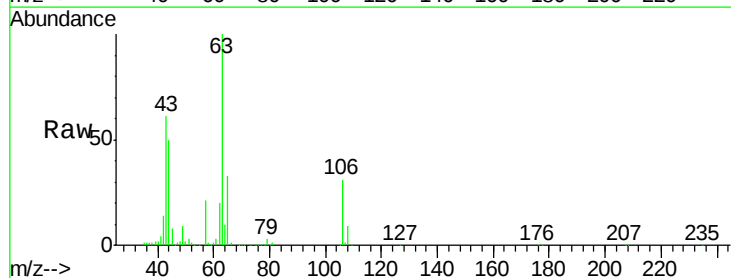
Manual Integrations
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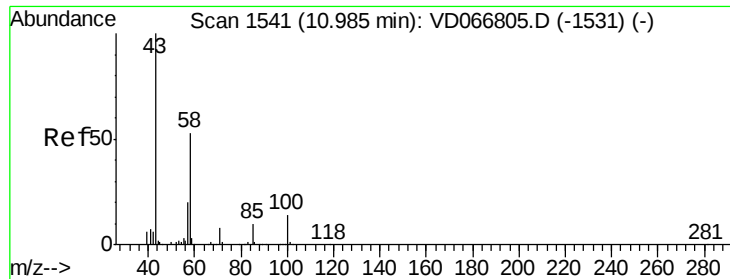
MMDadoda
 9/30/2020 1:21:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.060 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	23.8	35.6





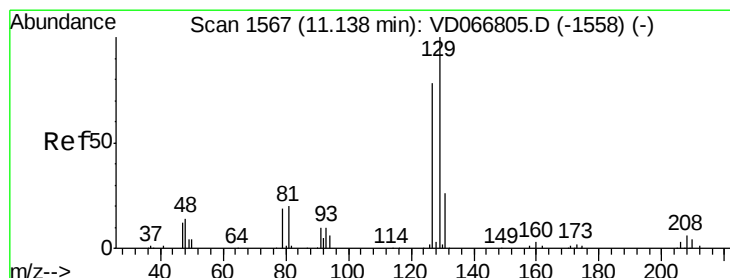
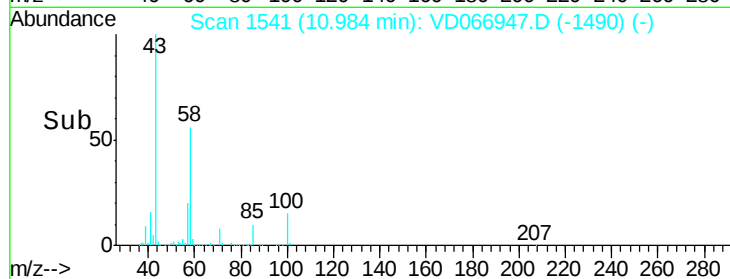
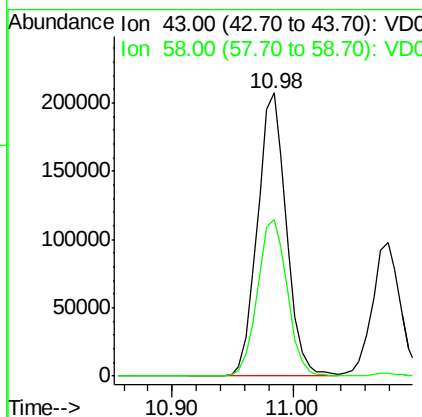
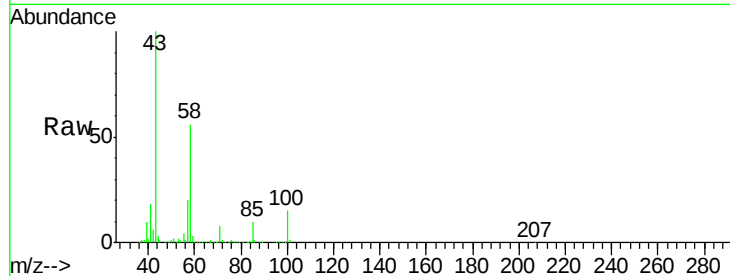
#59
2-Hexanone
Concen: 255.127 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	43	Resp	347667
Ion Ratio	100	Lower	Upper
43	100		
58	57.0	27.0	80.8

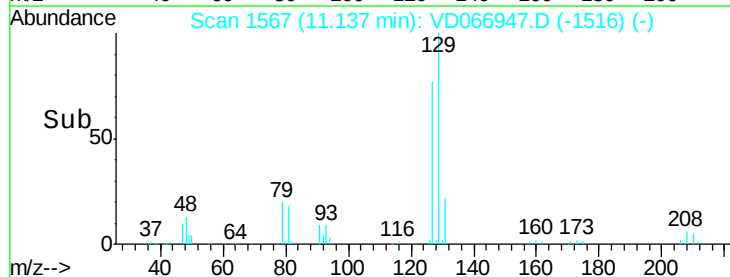
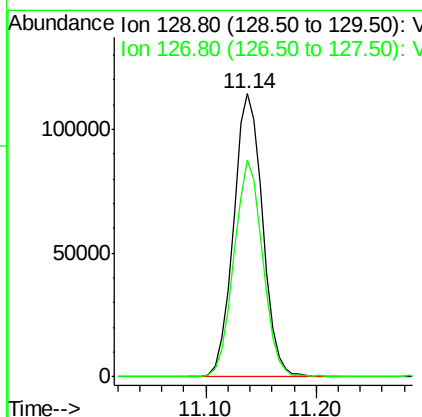
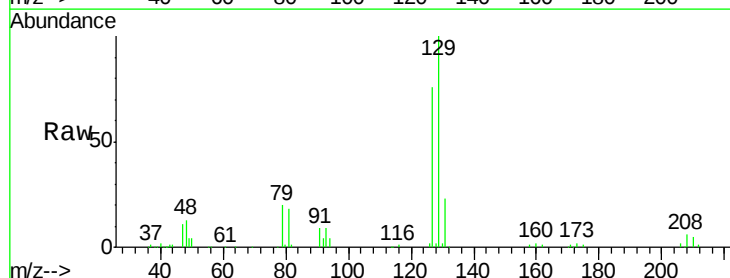
Manual Integrations
APPROVED

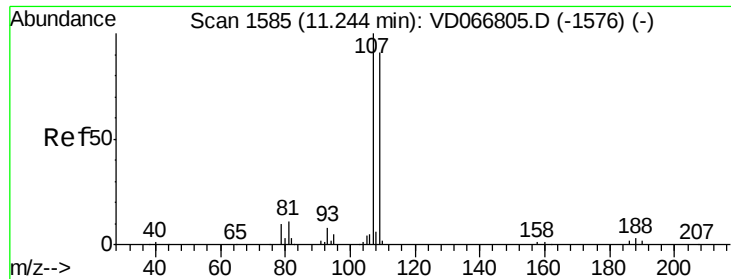
MMDadoda
9/30/2020 1:21:58 PM



#60
Dibromochloromethane
Concen: 53.929 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	129	Resp	210927	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
129	100			
127	76.2	38.6	116.0	





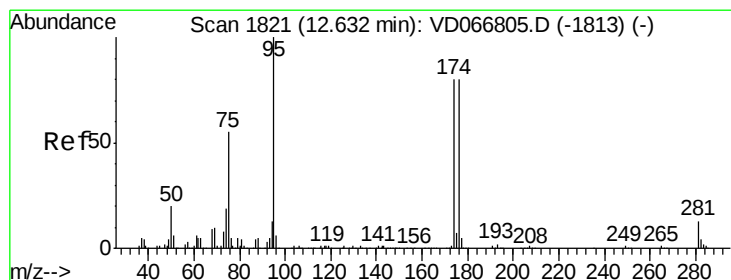
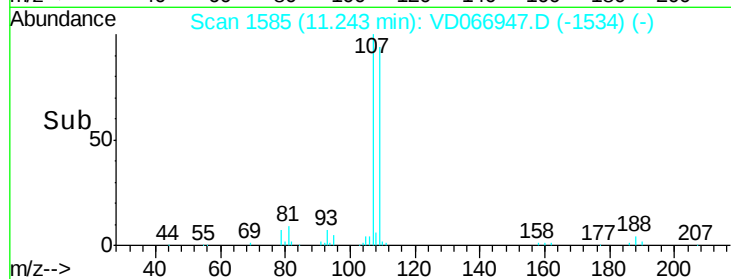
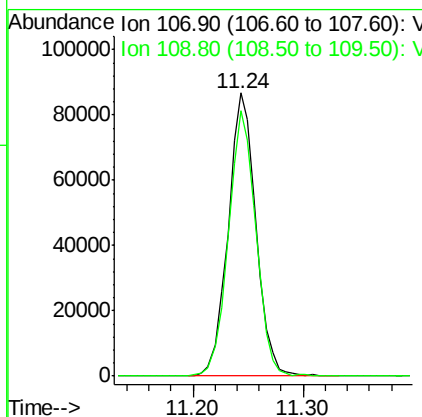
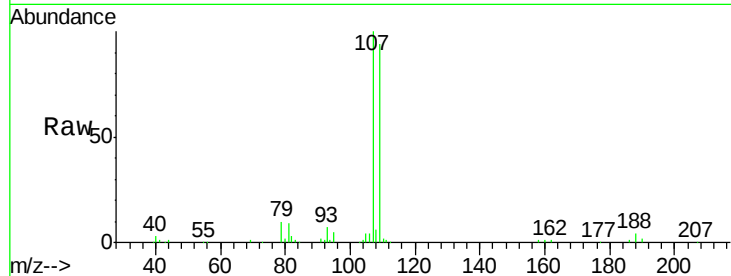
#61
 1,2-Dibromoethane
 Concen: 54.829 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.0	112.4

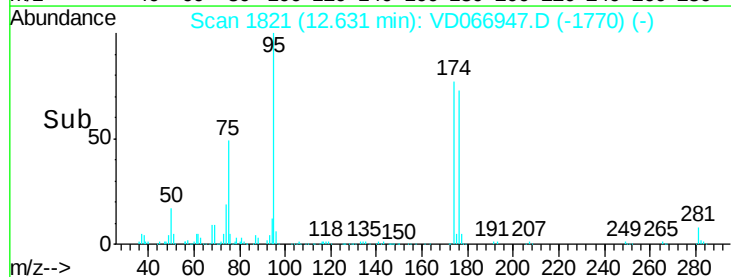
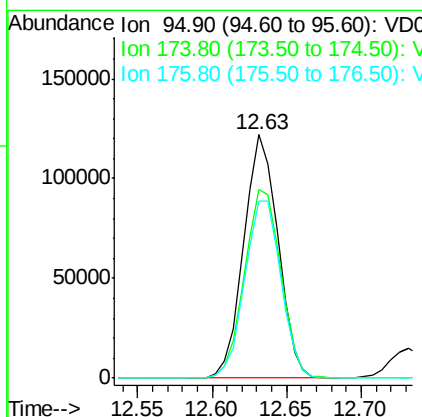
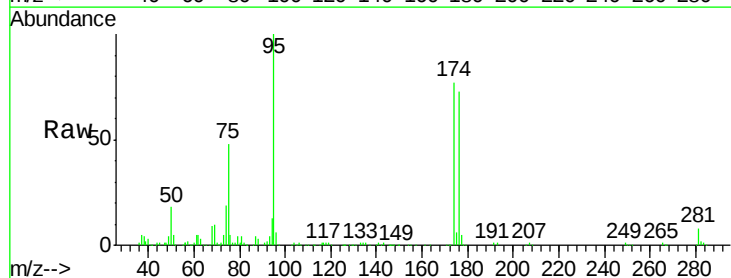
Manual Integrations
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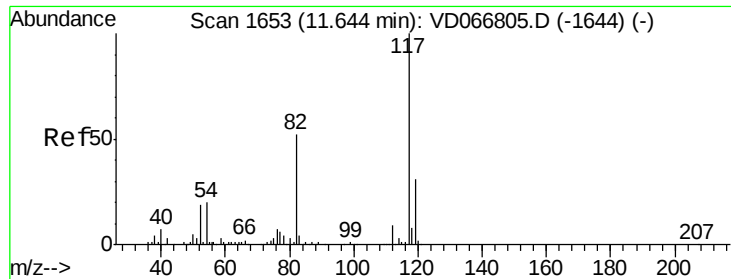
MMDadoda
 9/30/2020 1:21:58 PM



#62
 4-Bromofluorobenzene
 Concen: 45.342 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	159.8
176	77.0	0.0	154.4





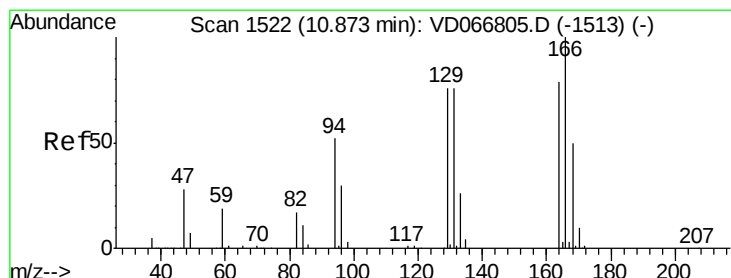
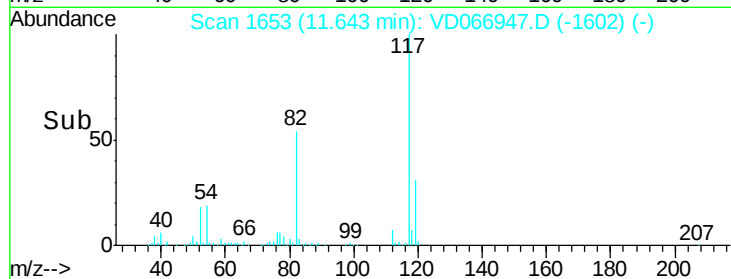
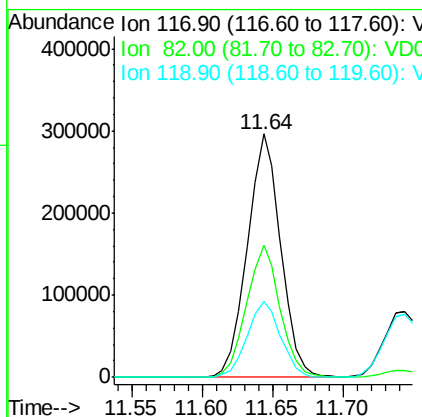
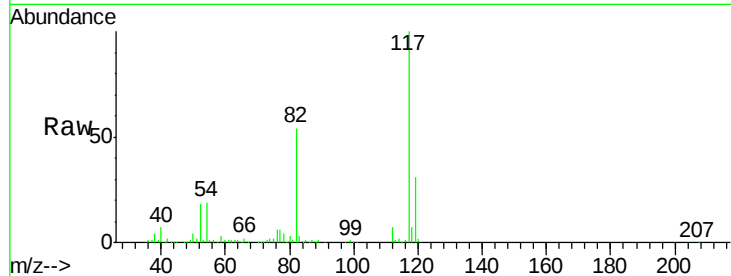
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	490777		
82	54.3		41.8	62.6
119	31.3		24.6	37.0

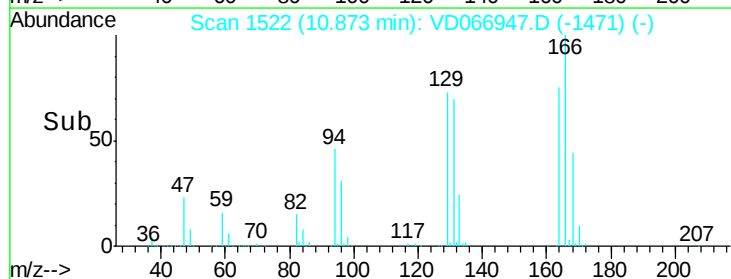
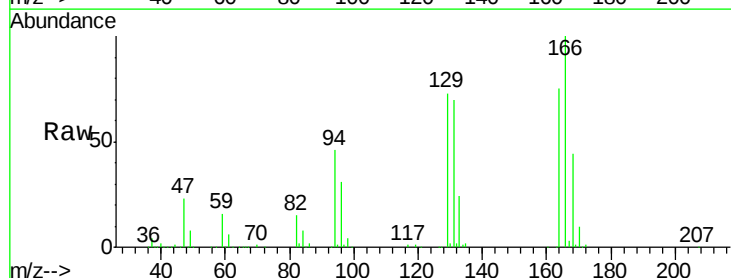
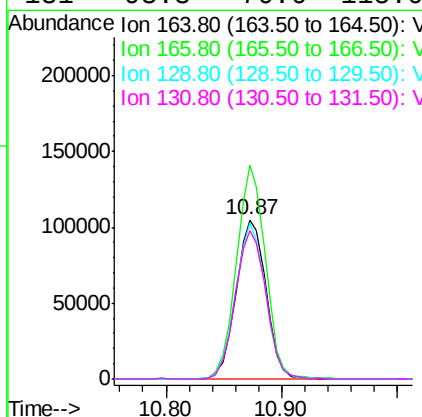
Manual Integrations
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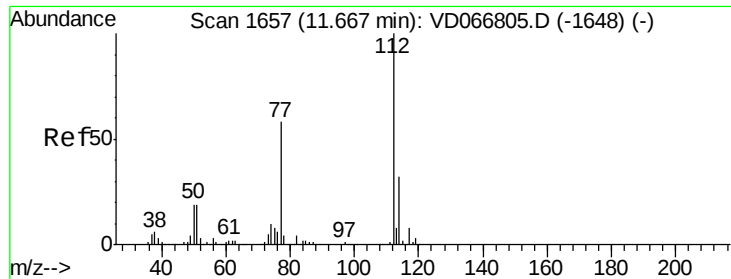
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#64
Tetrachloroethene
Concen: 53.421 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	188587		
166	134.1		101.1	151.7
129	97.7		77.0	115.4
131	93.3		76.6	115.0





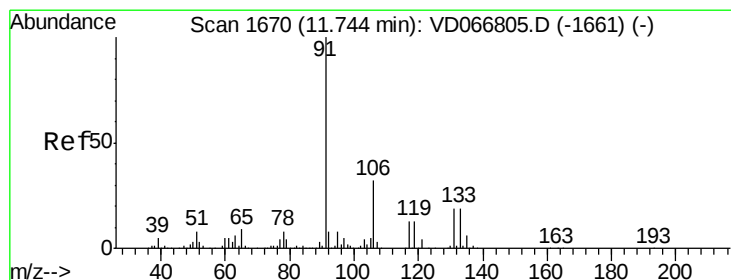
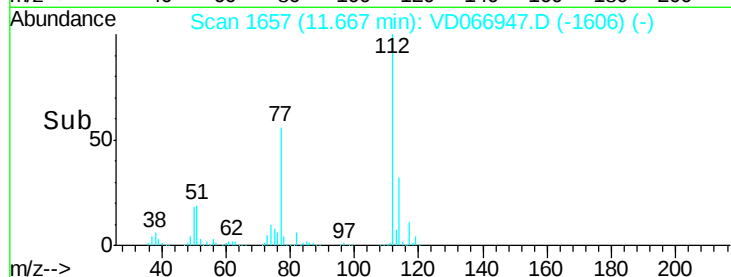
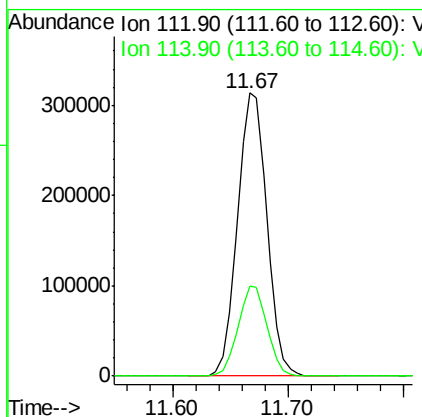
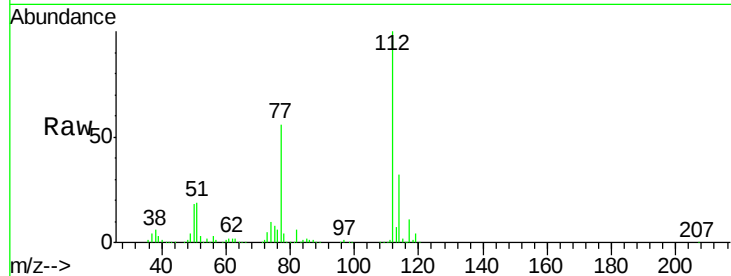
#65
Chlorobenzene
Concen: 54.008 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	551739		
114	31.9	25.4	38.2	

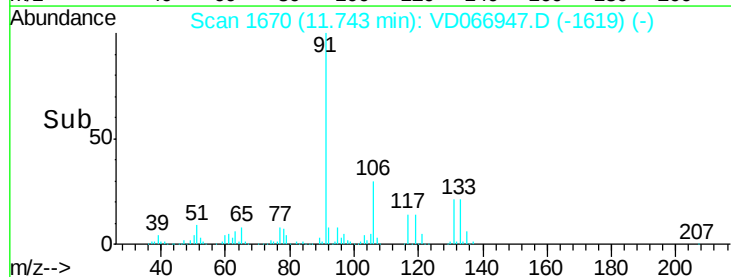
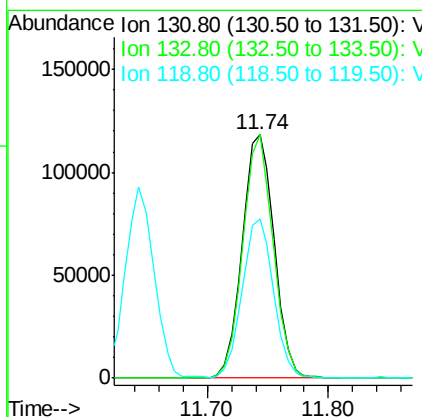
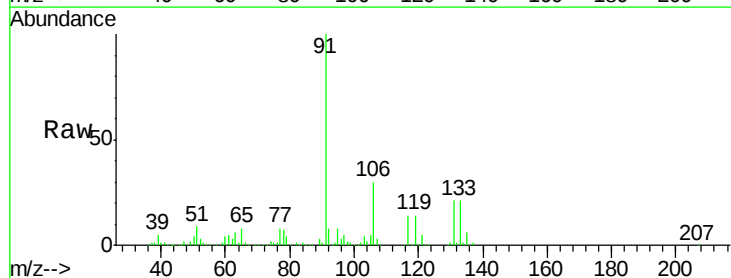
Manual Integrations
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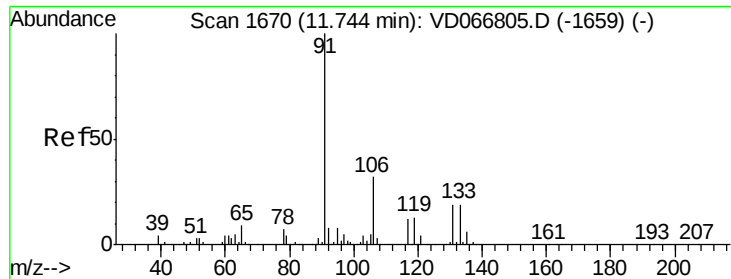
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.433 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	218195		
133	95.2	46.7	140.1	
119	64.2	32.3	96.9	





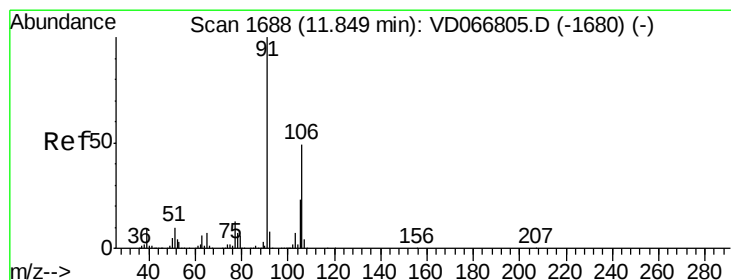
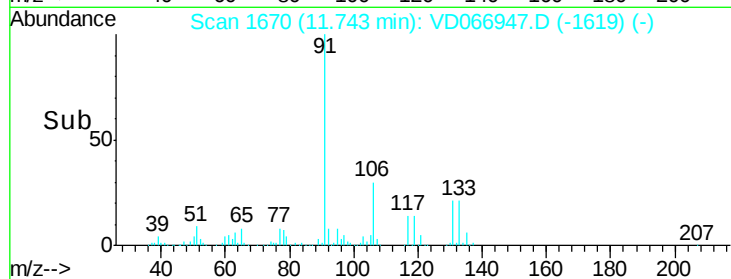
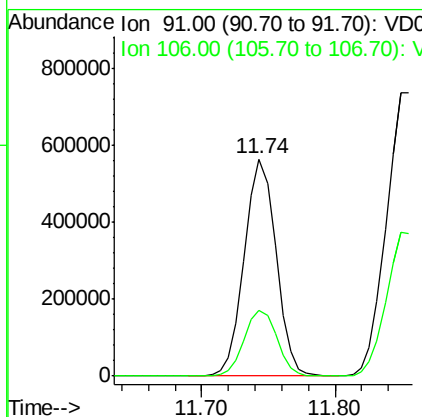
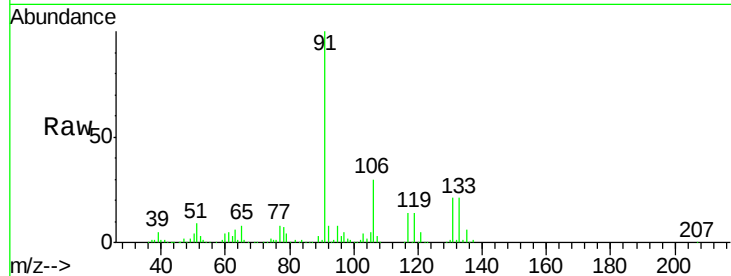
#67
Ethyl Benzene
Concen: 51.840 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		930133		
106	30.2	25.6	38.4		

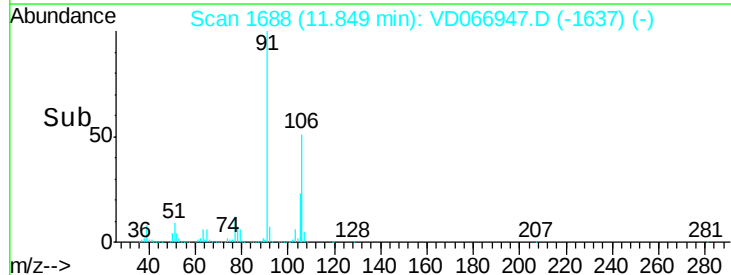
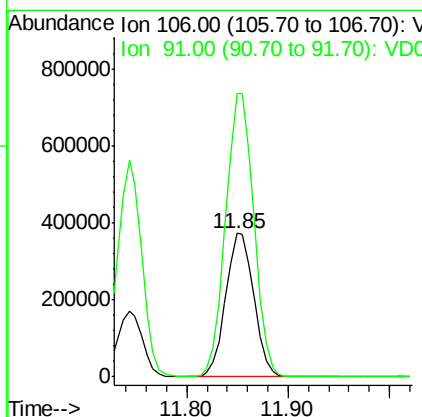
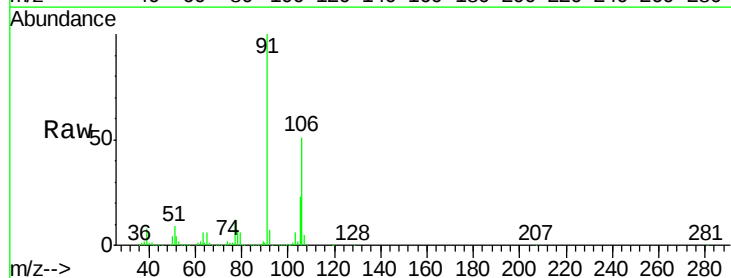
Manual Integrations
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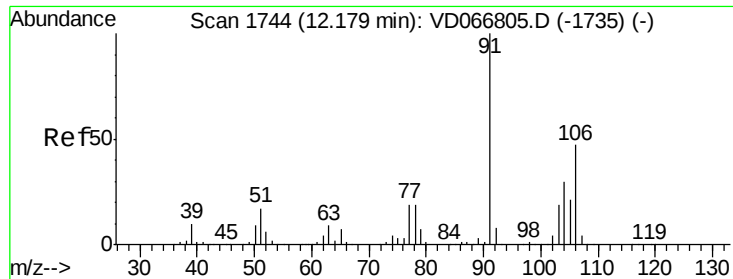
MMDadoda
9/30/2020 1:21:58 PM



#68
m/p-Xylenes
Concen: 105.444 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		716300		
91	198.7	160.7	241.1		





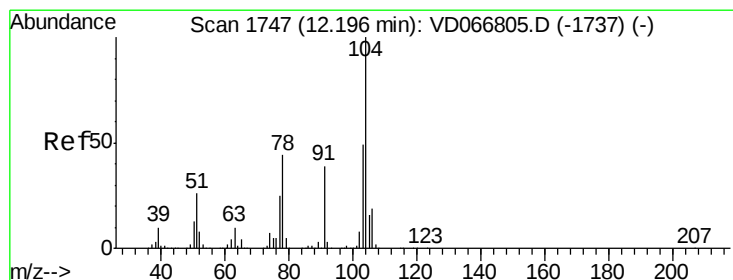
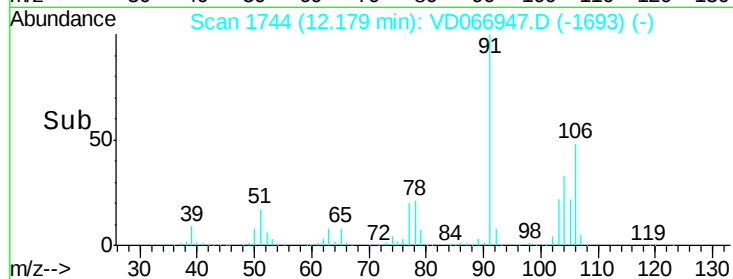
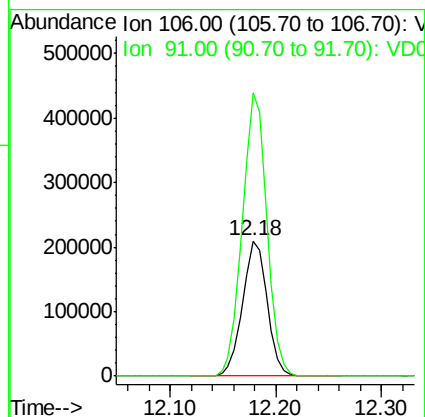
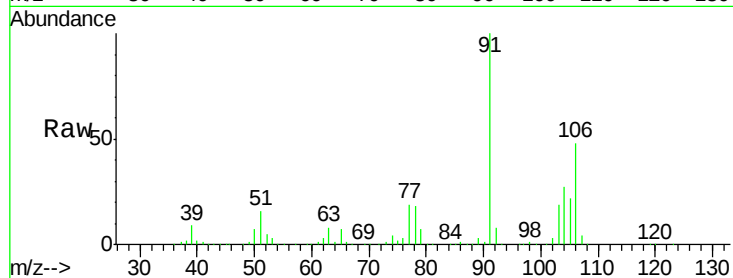
#69
o-Xylene
Concen: 54.923 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		337371		
91	208.9	106.3	318.8		

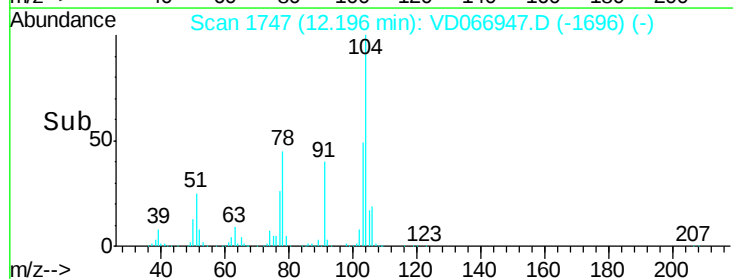
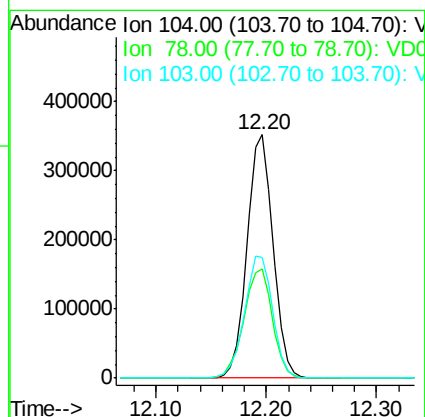
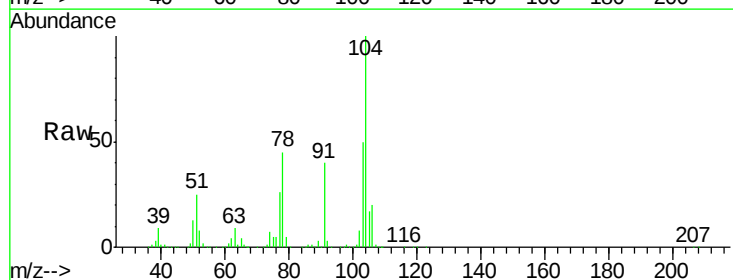
Manual Integrations
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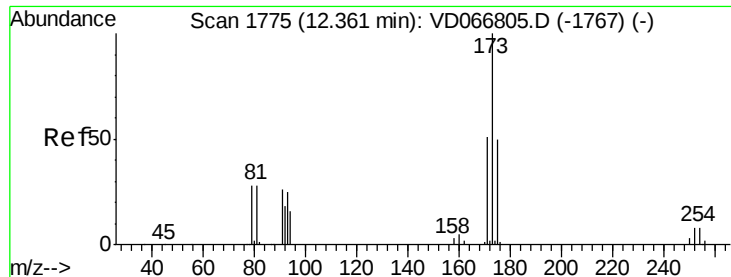
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#70
Styrene
Concen: 54.899 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		585624		
78	49.3	38.9	58.3		
103	54.3	43.2	64.8		





#71

Bromoform

Concen: 55.204 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion:173 Resp: 108070

Ion Ratio Lower Upper

173 100

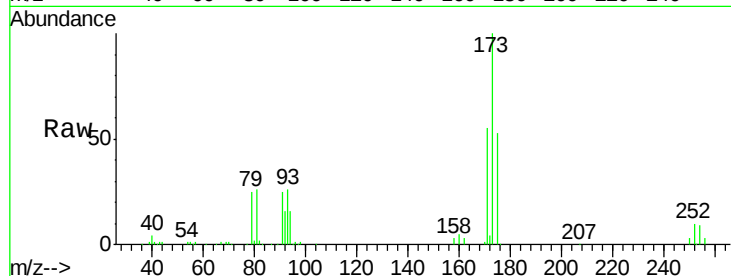
175 49.0 24.9 74.6

254 0.0 0.1 0.1#

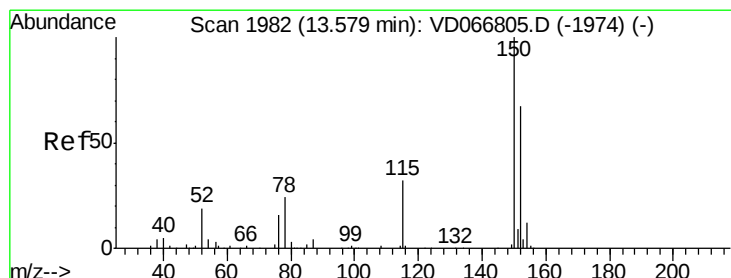
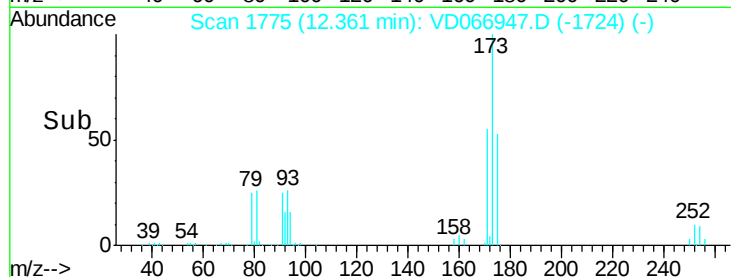
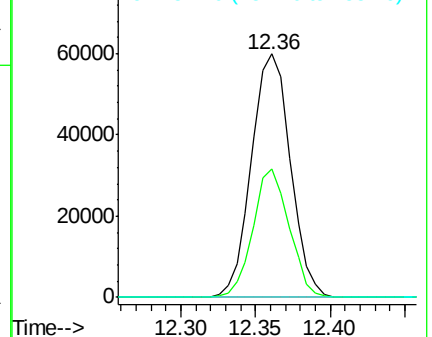
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

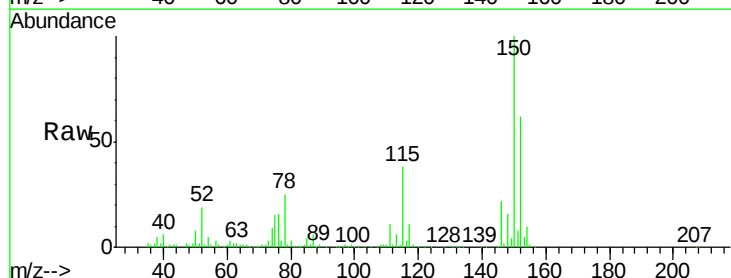
Tgt Ion:152 Resp: 203762

Ion Ratio Lower Upper

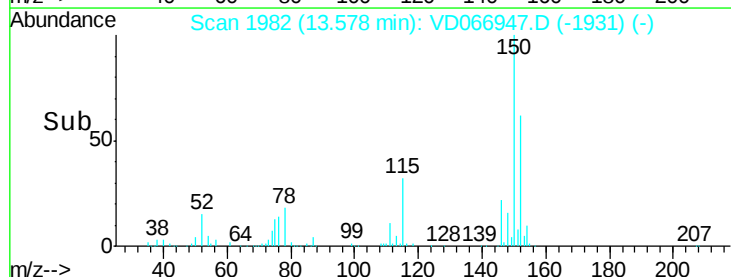
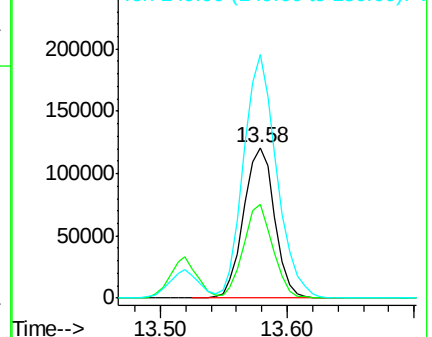
152 100

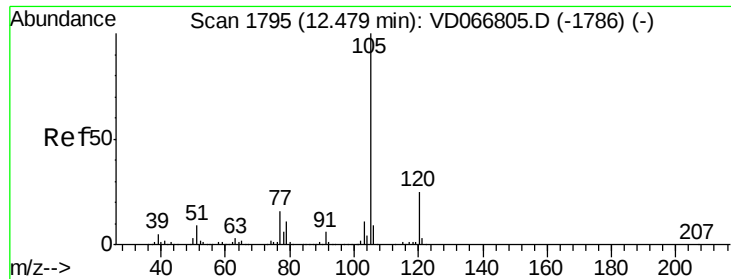
115 59.4 30.3 91.0

150 172.5 0.0 346.2



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





#73

Isopropylbenzene

Concen: 55.980 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion:105 Resp: 824016

Ion Ratio Lower Upper

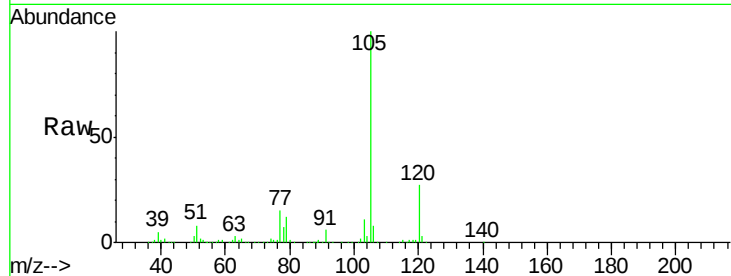
105 100

120 26.6 12.9 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

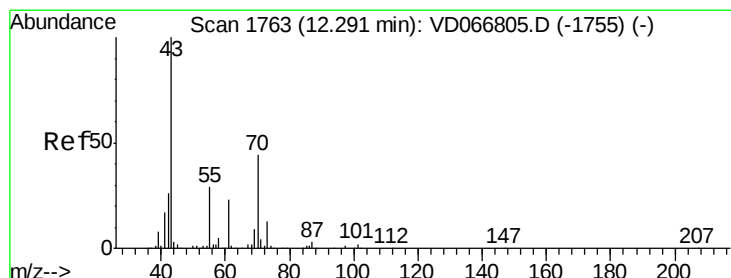
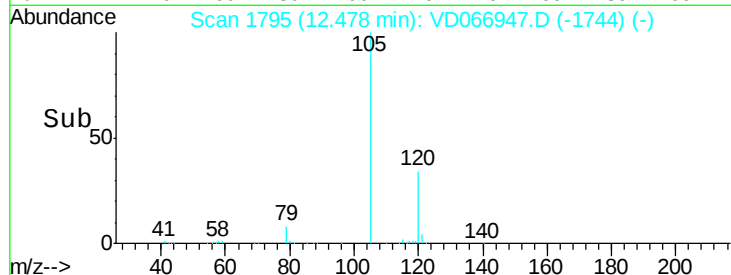
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 58.793 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion: 43 Resp: 169002

Ion Ratio Lower Upper

43 100

70 46.4 36.1 54.1

55 27.8 21.8 32.8

61 25.0 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

100000

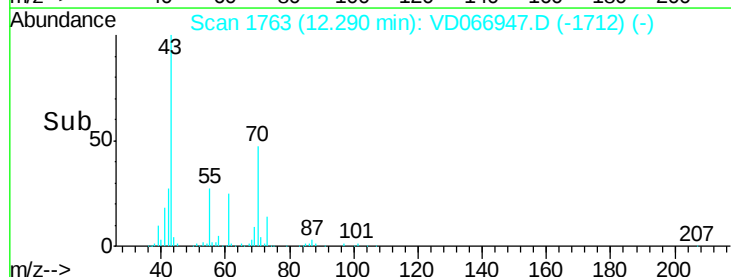
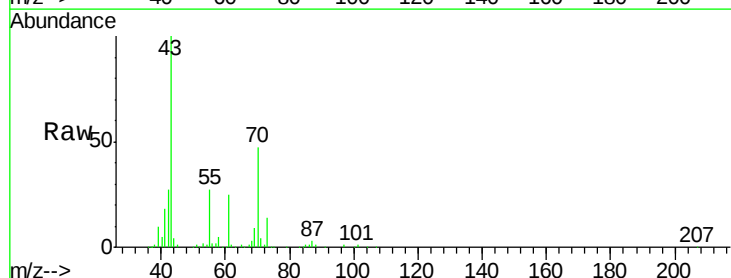
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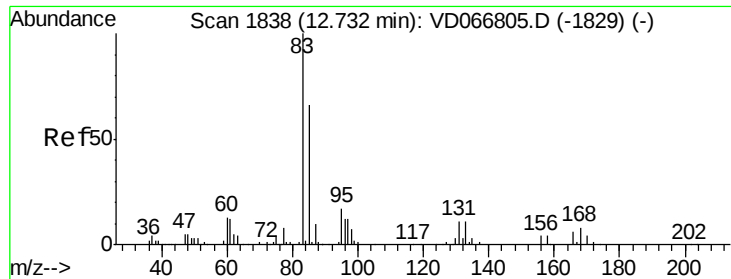
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 61.233 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

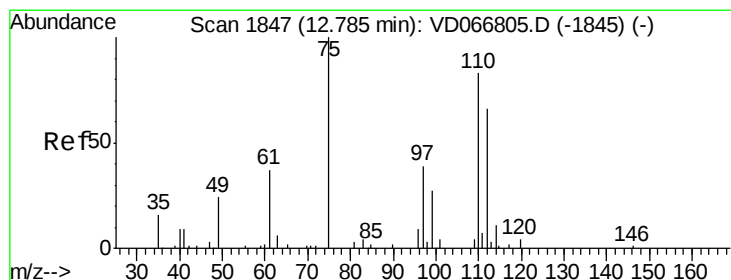
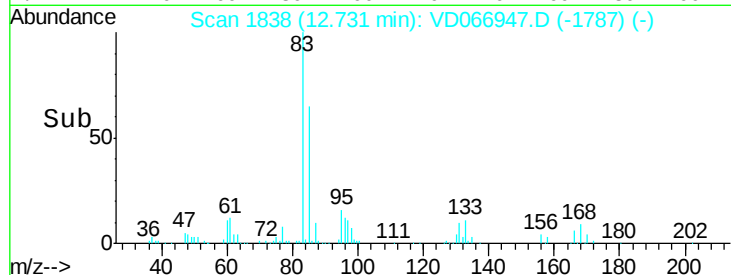
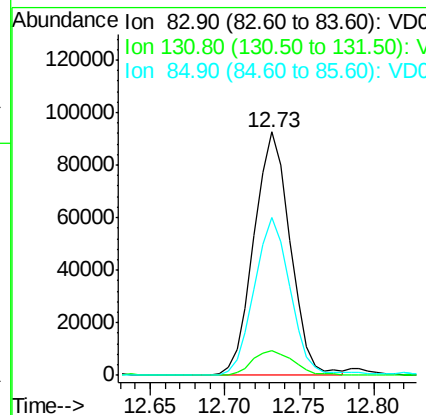
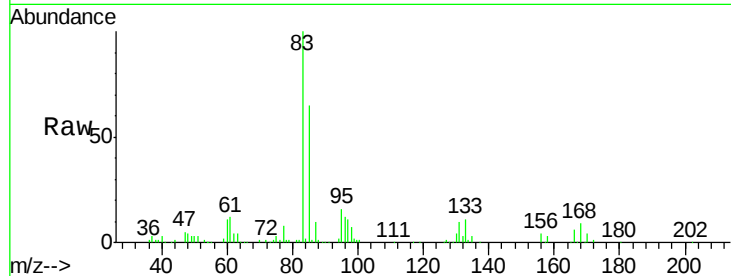
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	83	Resp:	155529
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	64.1	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 58.271 ug/l m

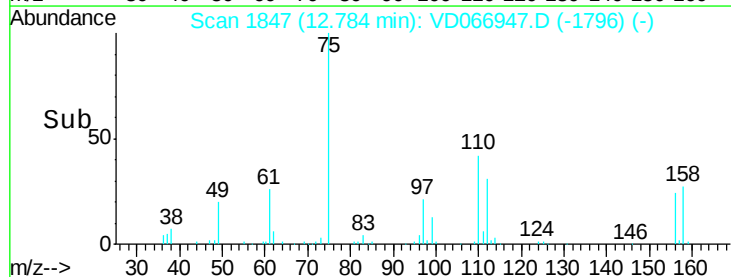
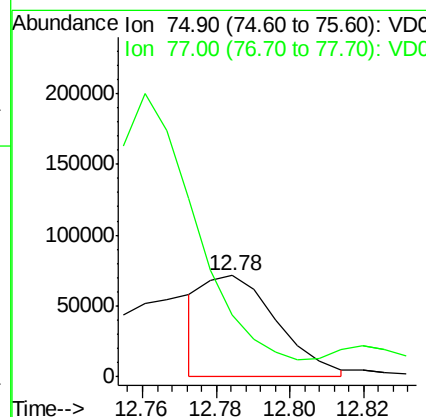
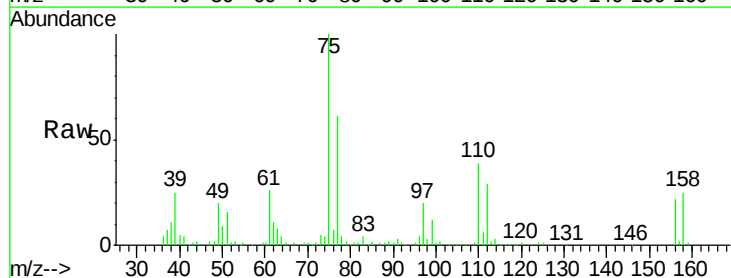
RT: 12.78 min Scan# 1847

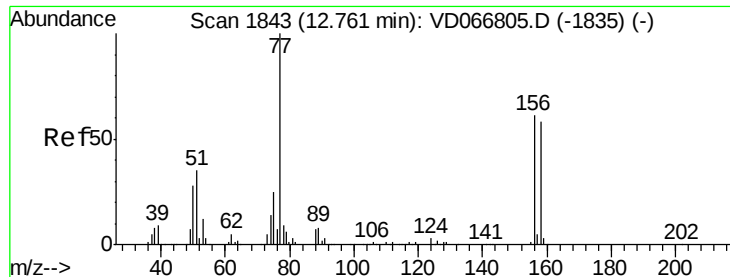
Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion:	75	Resp:	98398
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





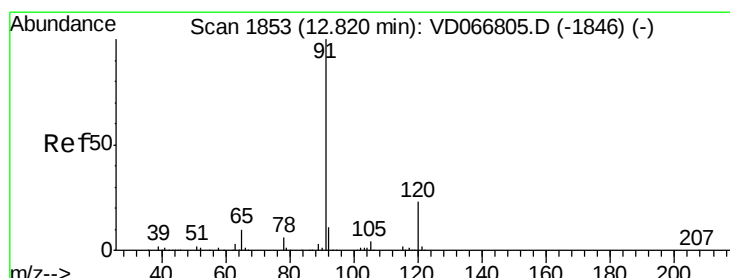
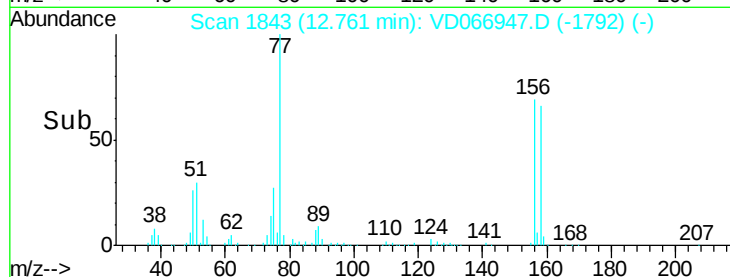
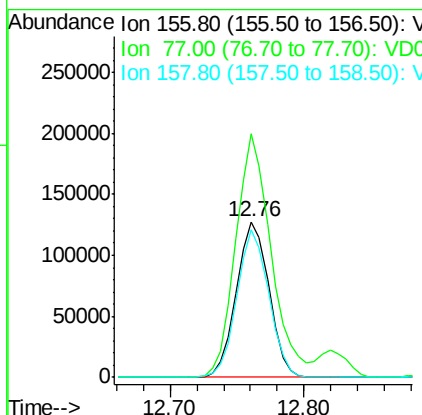
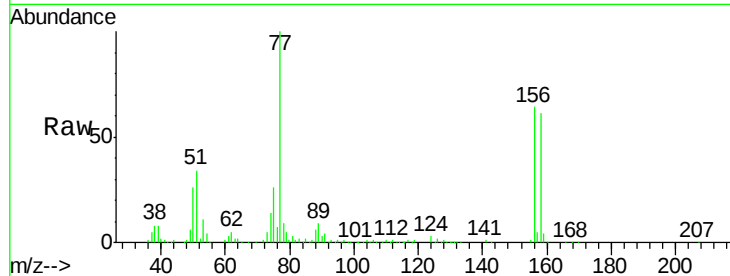
#77
Bromobenzene
Concen: 62.701 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.9	92.3	276.9
158	93.1	47.6	142.9

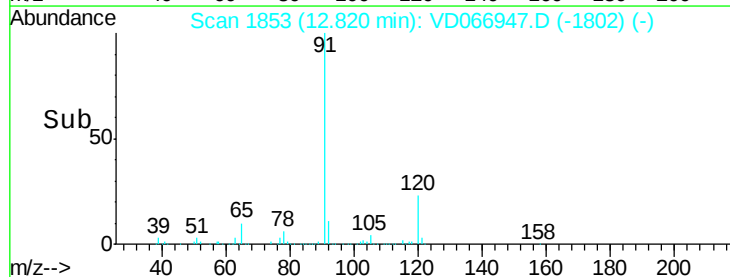
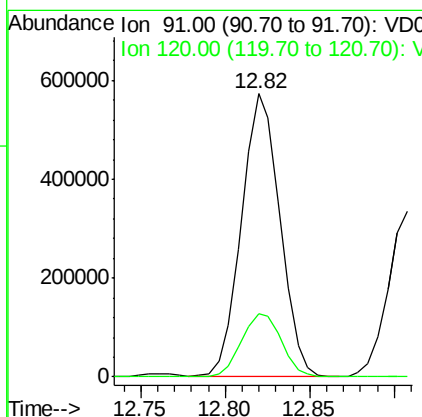
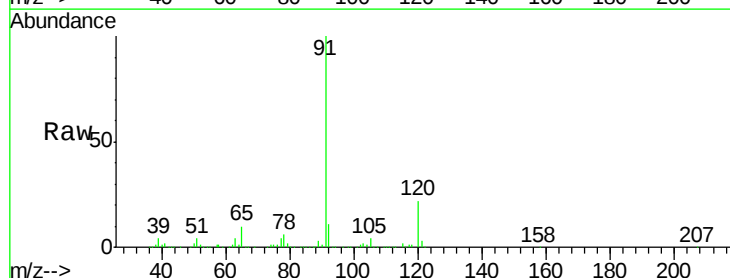
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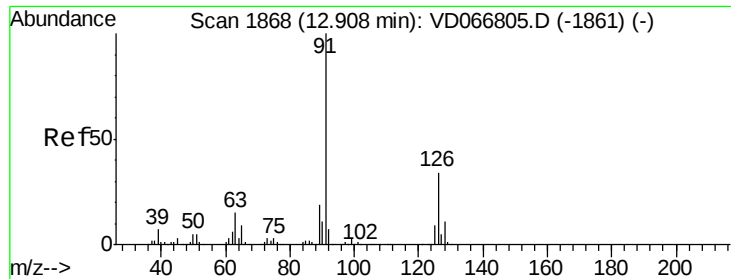
MMDadoda
9/30/2020 1:21:58 PM



#78
n-propylbenzene
Concen: 51.160 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.4	34.2





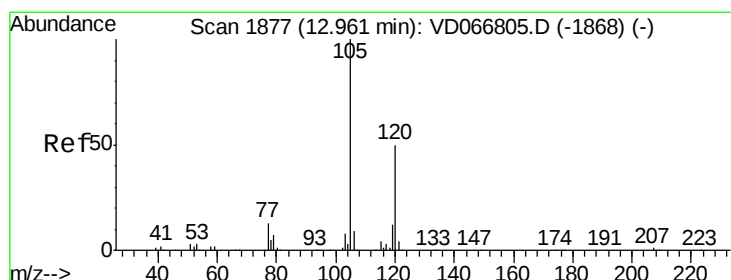
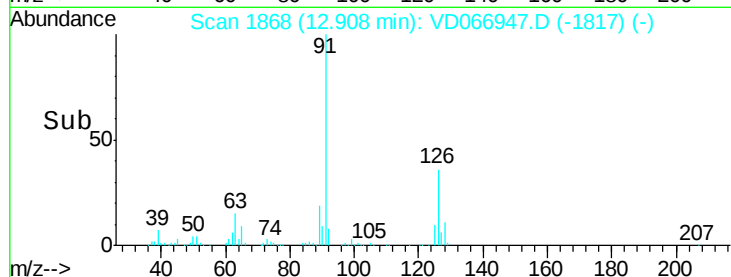
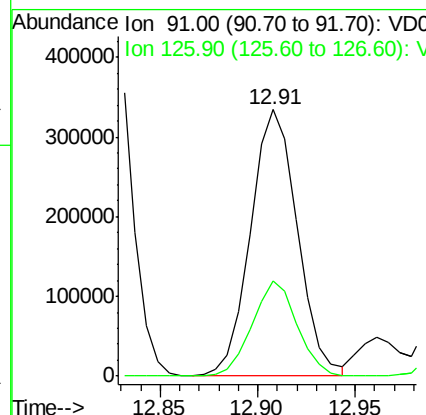
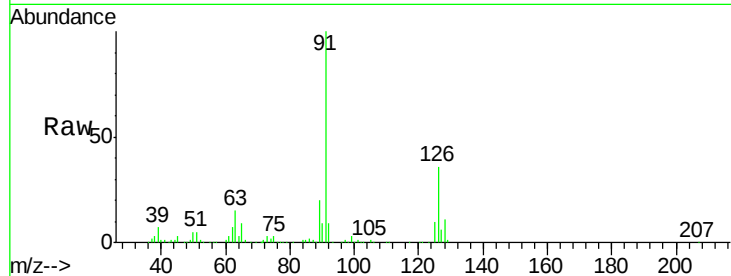
#79
 2-Chlorotoluene
 Concen: 54.890 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion: 91 Resp: 553907
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.0 51.0

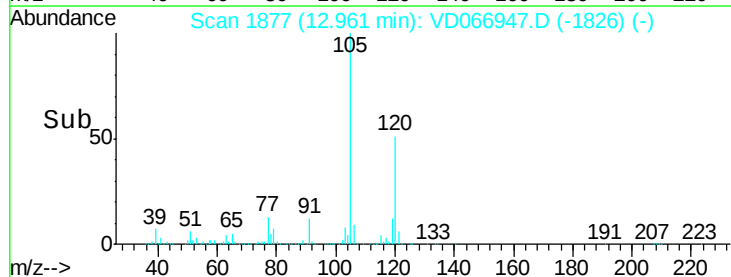
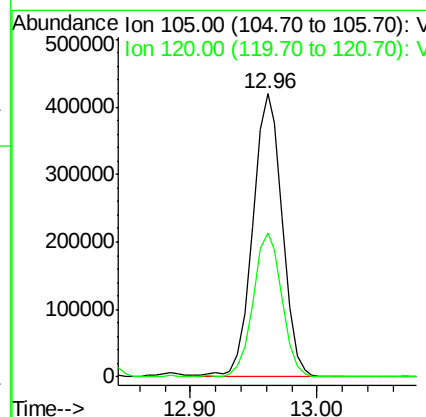
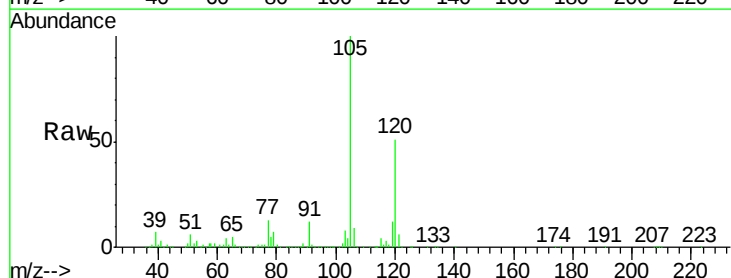
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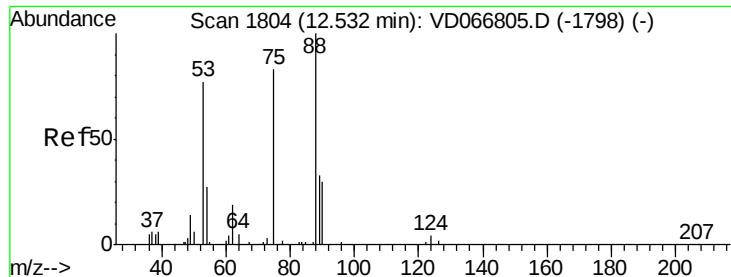
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.265 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion: 105 Resp: 677767
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 63.555 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

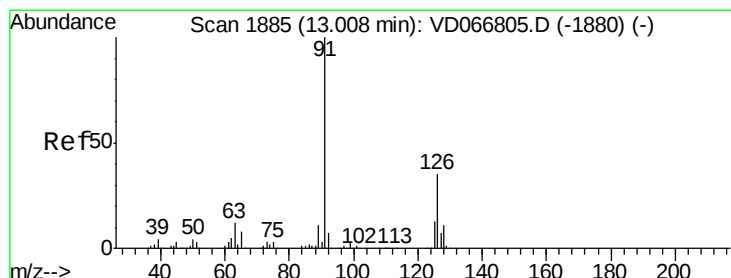
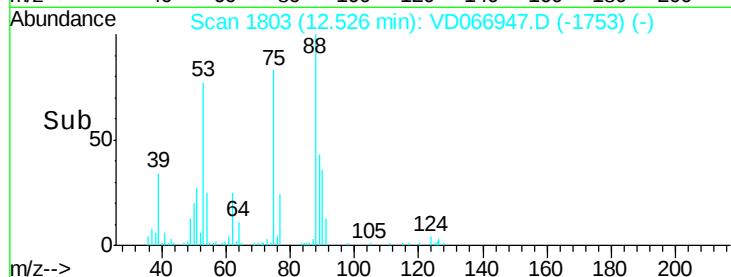
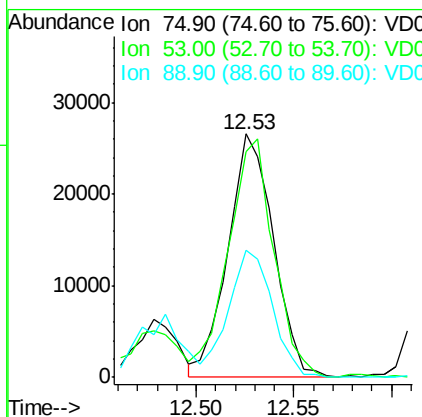
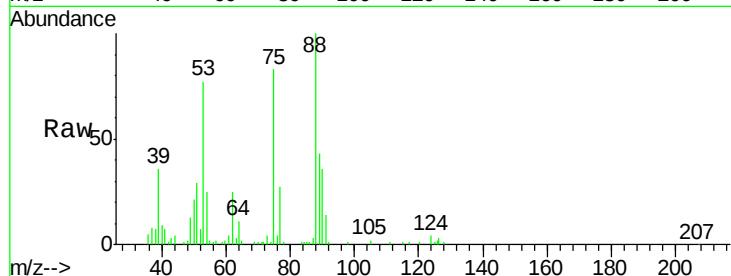
ClientSampleId :

B-11(1-2)MSD

Tot Ion:	75	Resp:	42895
Ion	Ratio	Lower	Upper
75	100		
53	98.4	78.5	117.7
89	50.4	38.1	57.1

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#82

4-Chlorotoluene

Concen: 54.325 ug/l

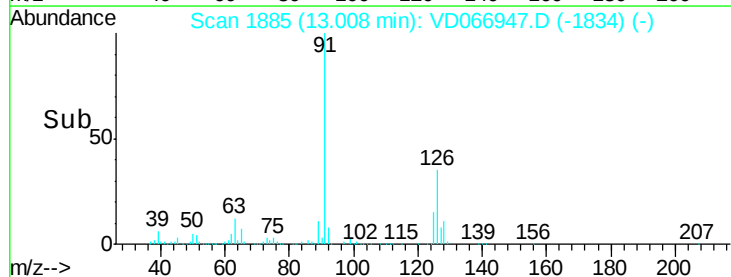
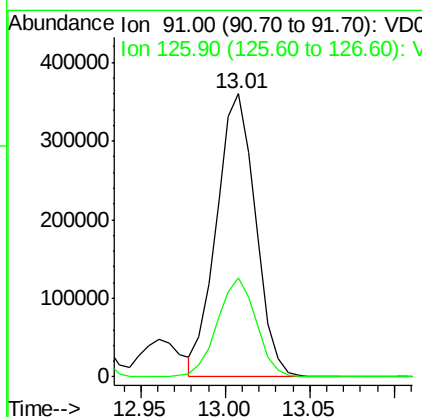
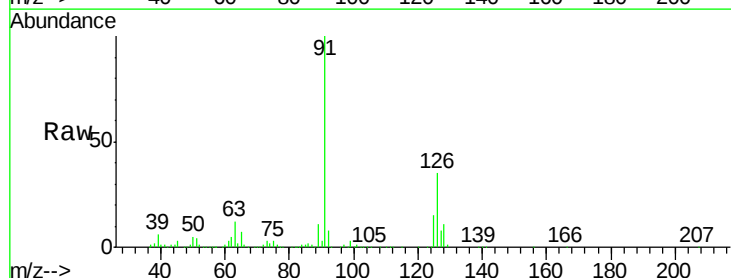
RT: 13.01 min Scan# 1885

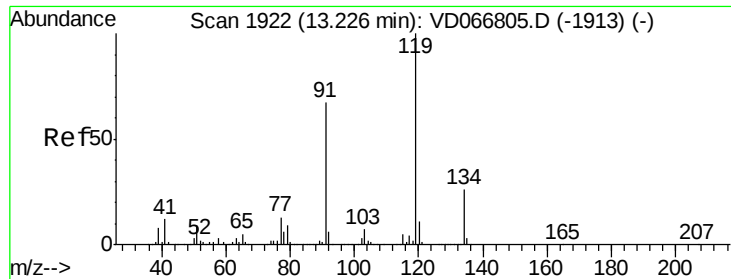
Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Tgt Ion:	91	Resp:	577884
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.1	51.2





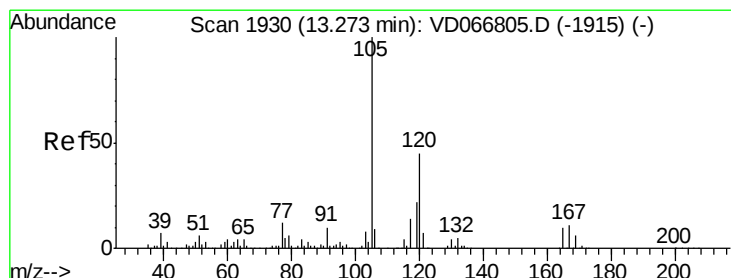
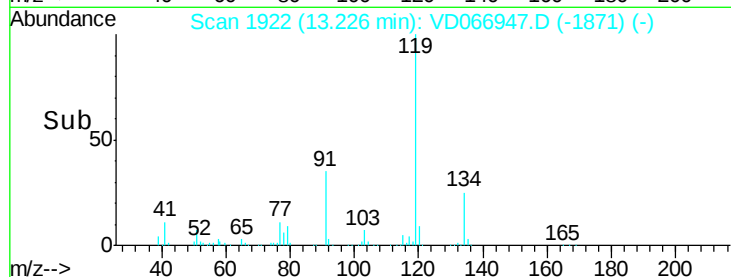
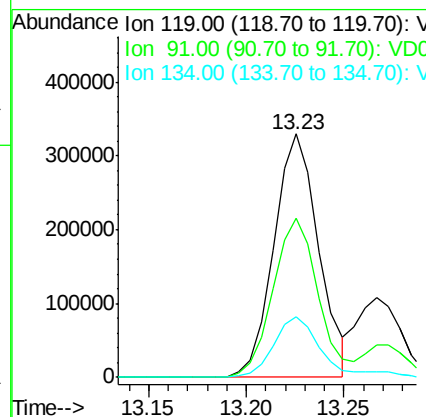
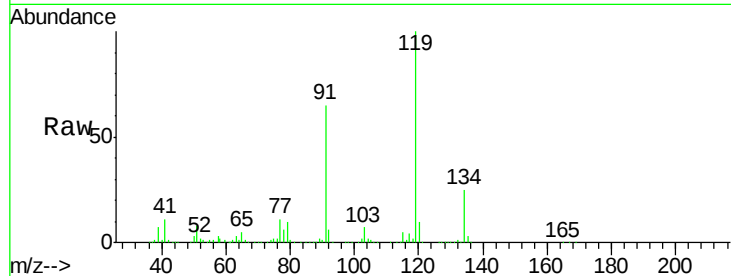
#83
tert-Butylbenzene
Concen: 50.864 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.6	100.8
134	27.1	13.5	40.4

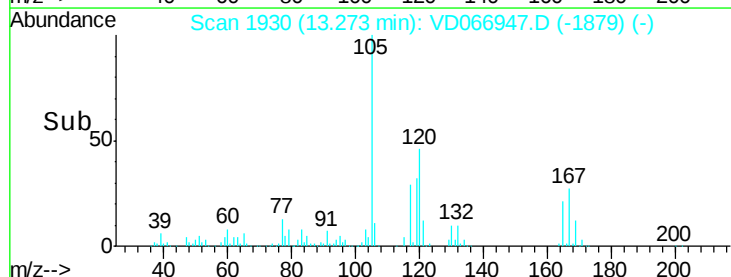
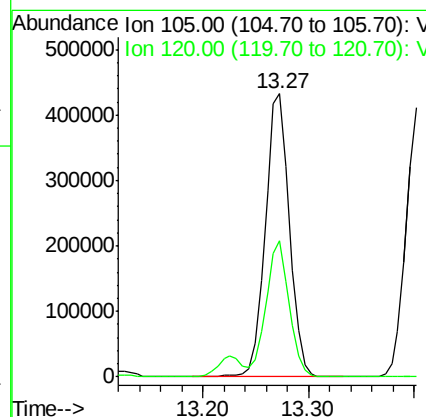
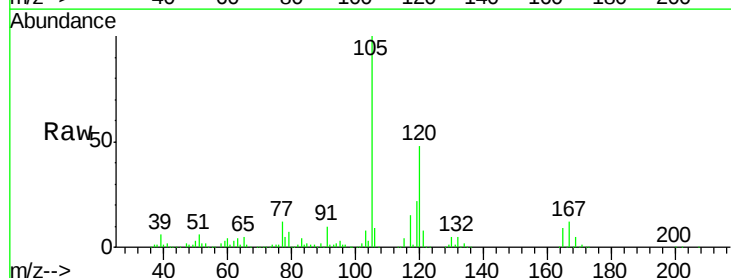
Manual Integrations
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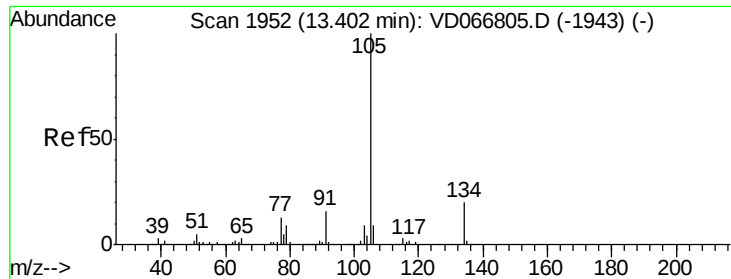
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#84
1,2,4-Trimethylbenzene
Concen: 55.332 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 44.456 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MSD

Tot Ion:105 Resp: 656103

Ion Ratio Lower Upper

105 100

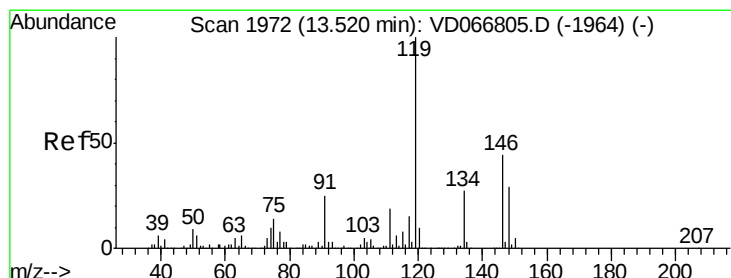
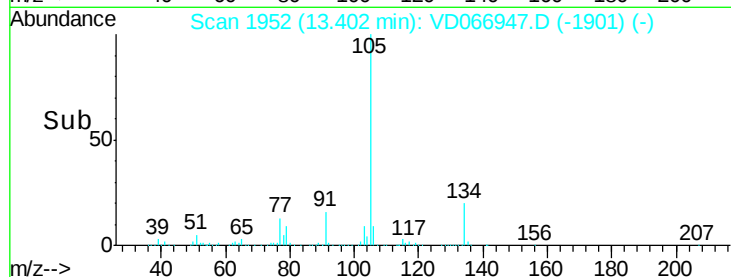
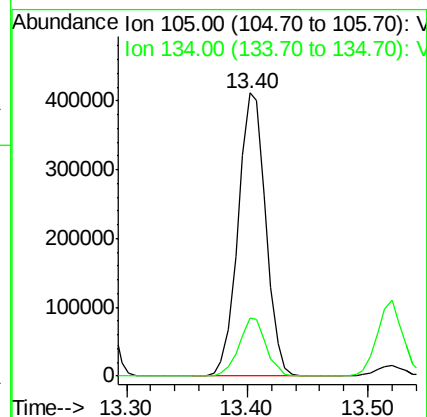
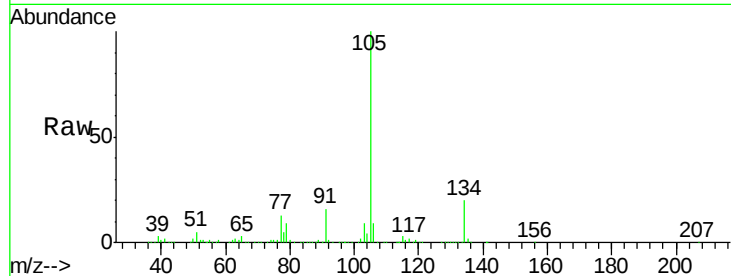
134 20.1 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.195 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066947.D

Acq: 29 Sep 2020 19:04

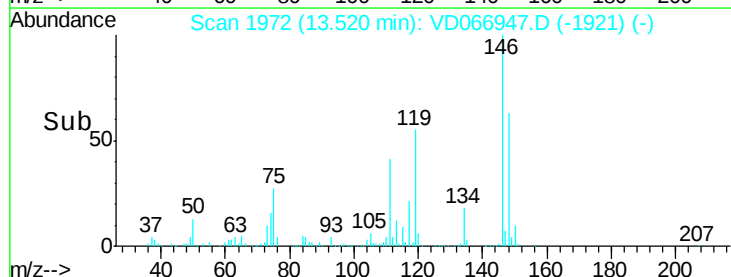
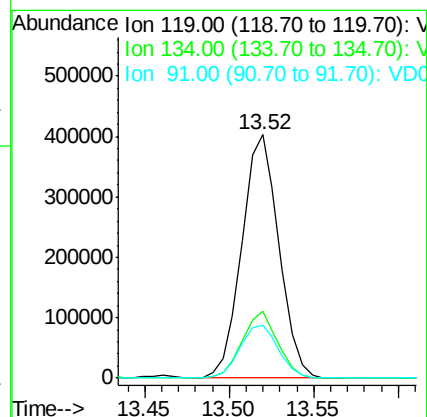
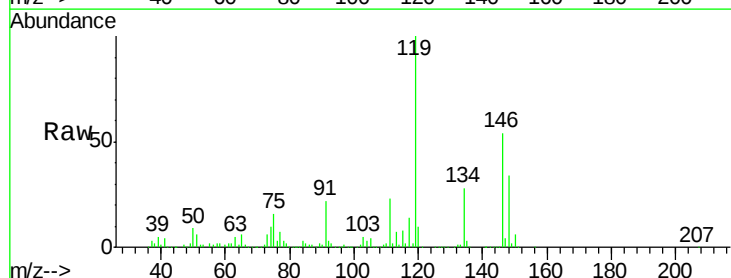
Tgt Ion:119 Resp: 614544

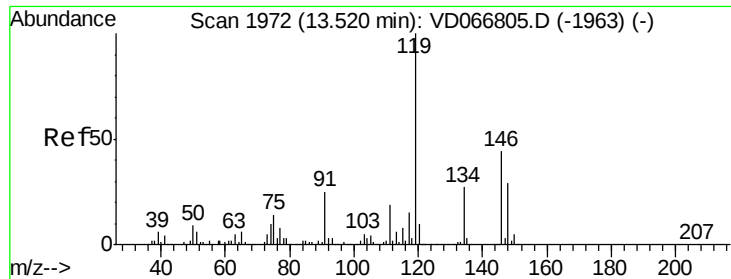
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 22.7 12.0 36.1





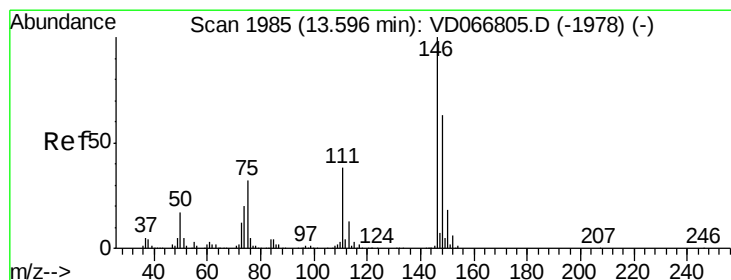
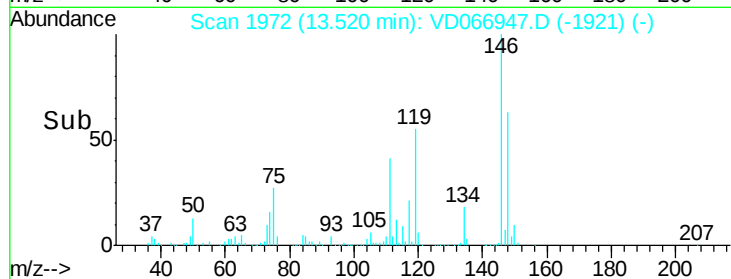
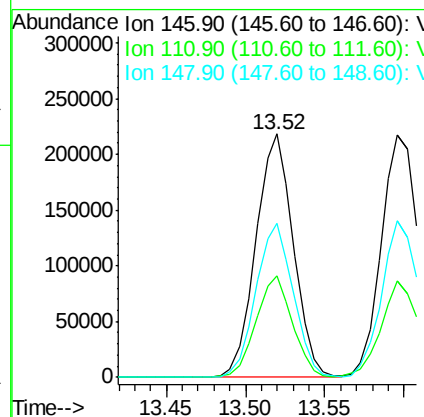
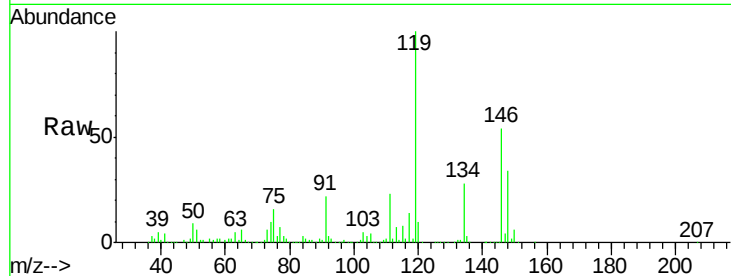
#87
 1,3-Dichlorobenzene
 Concen: 52.660 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	358165		
111	40.7	20.3	60.9	
148	63.3	31.9	95.5	

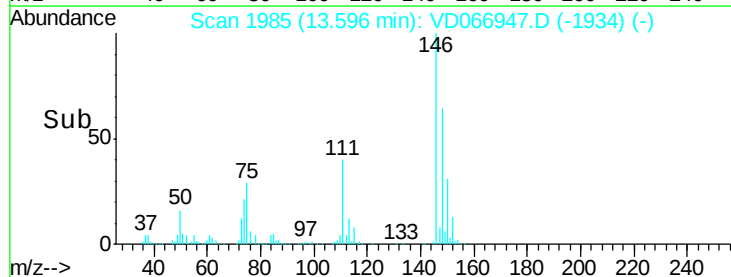
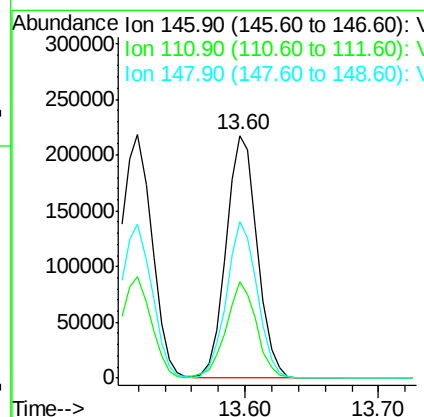
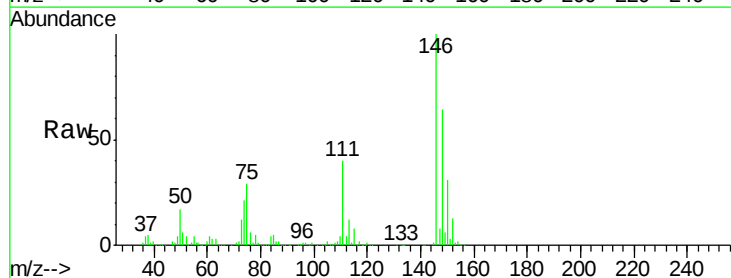
Manual Integrations
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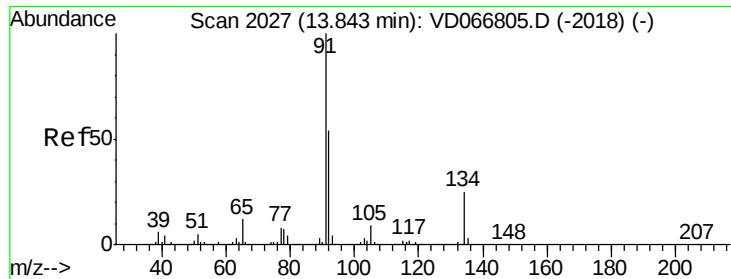
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#88
 1,4-Dichlorobenzene
 Concen: 52.686 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	355906		
111	39.2	20.2	60.5	
148	63.7	31.6	94.7	





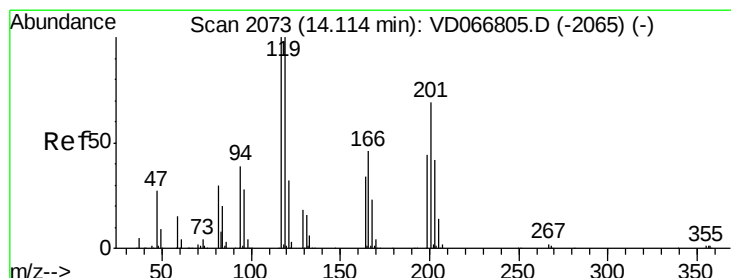
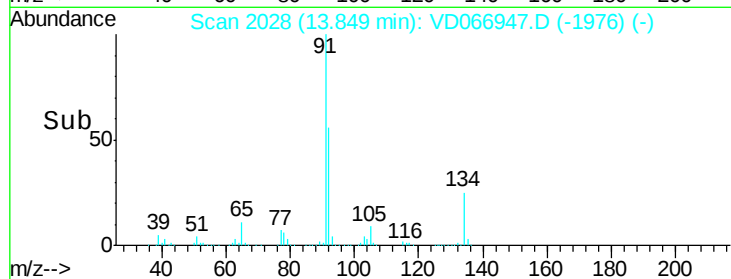
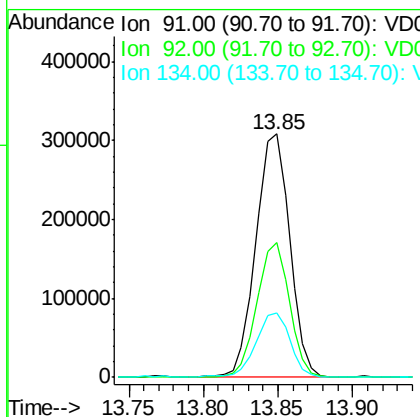
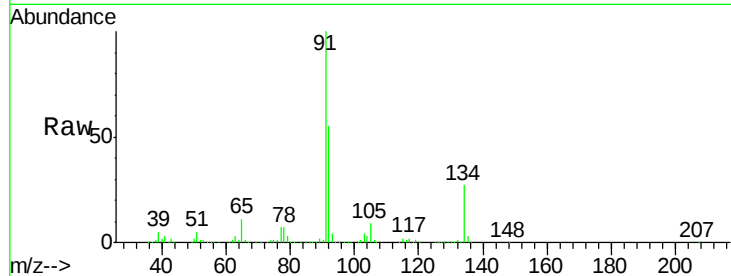
#89
n-Butylbenzene
Concen: 38.080 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	26.8	13.1	39.1

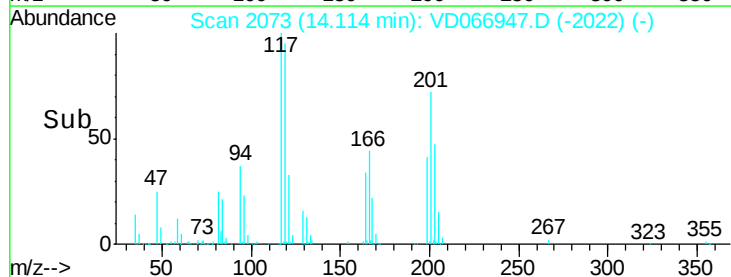
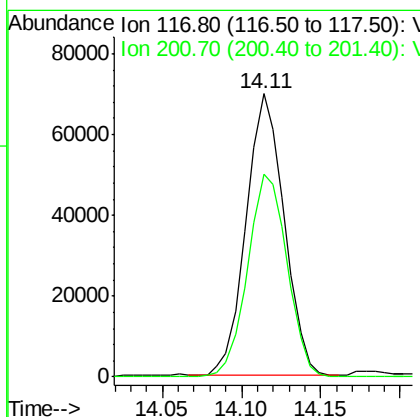
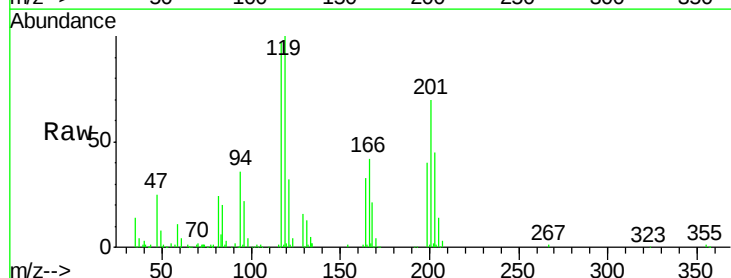
Manual Integrations
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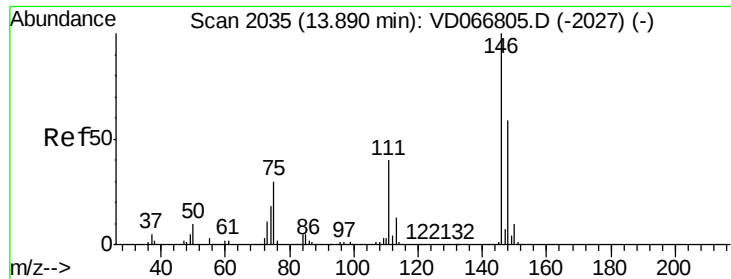
MMDadoda
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#90
Hexachloroethane
Concen: 43.057 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	33.7	101.0





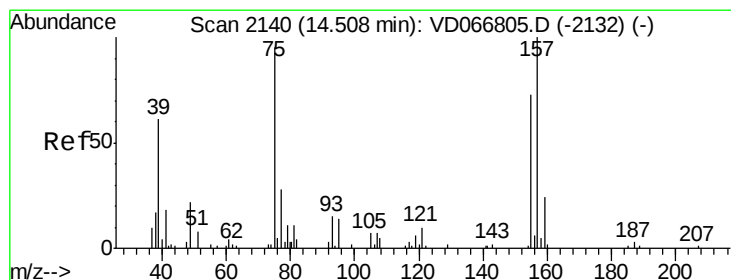
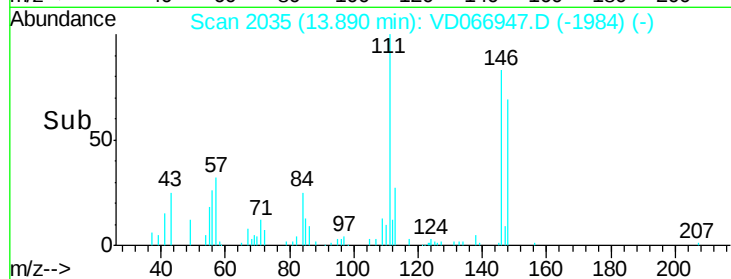
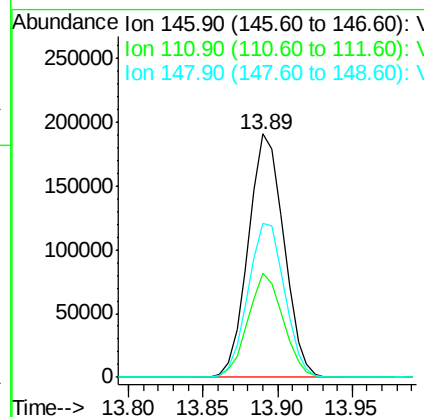
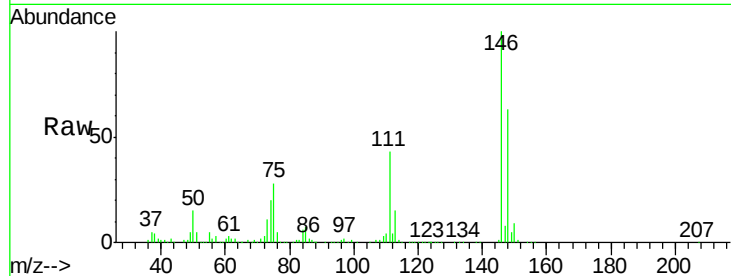
#91
 1,2-Dichlorobenzene
 Concen: 54.063 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.7
148	65.1	31.8	95.3

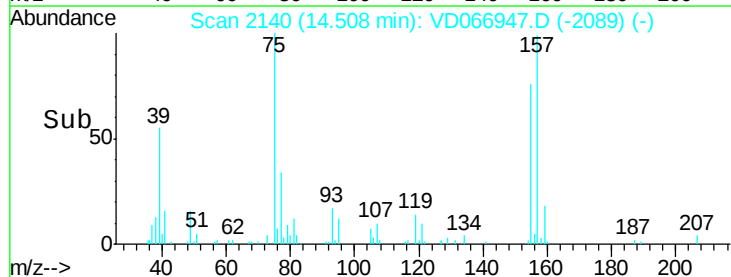
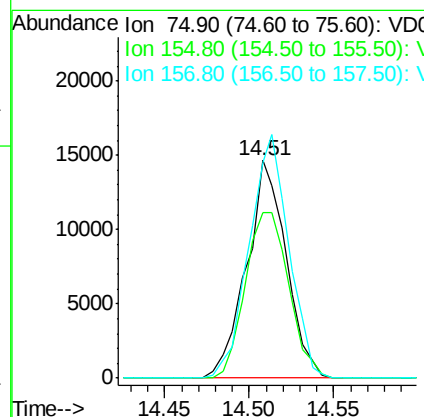
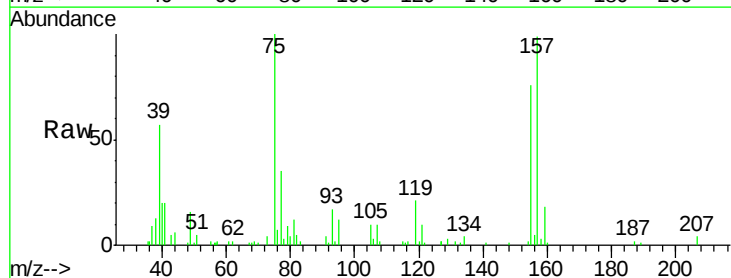
Manual Integrations
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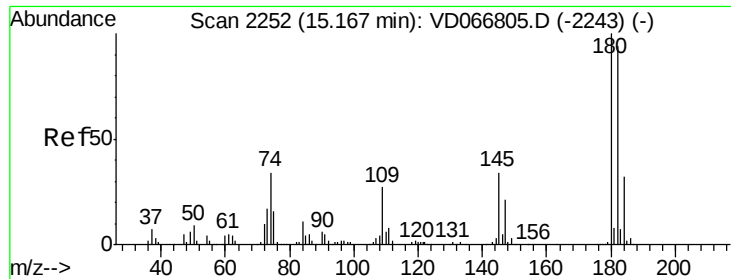
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.486 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.4	121.2
157	111.4	51.3	153.9





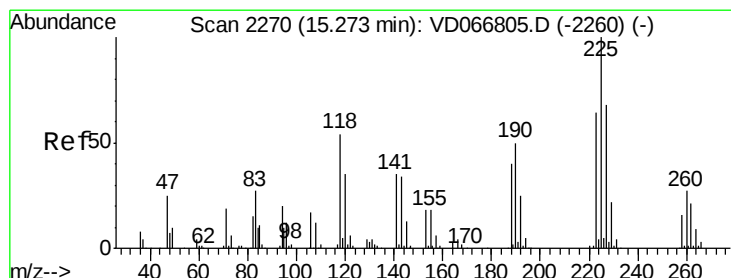
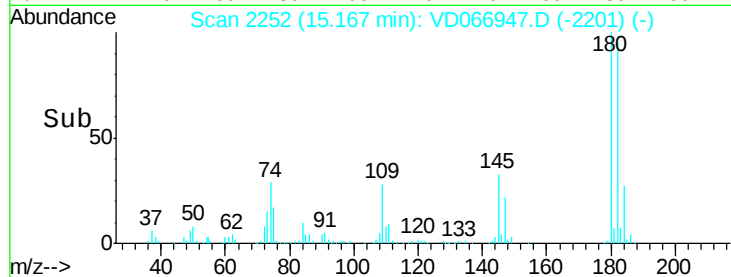
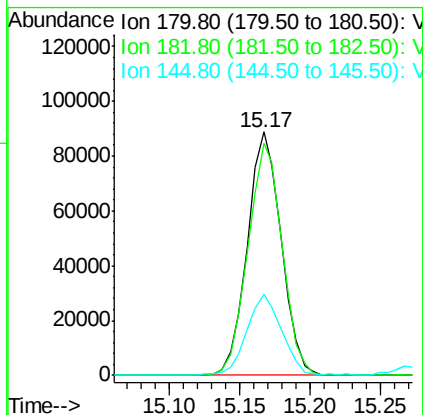
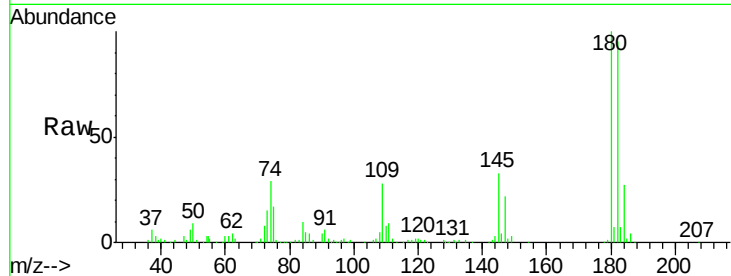
#93
 1,2,4-Trichlorobenzene
 Concen: 40.828 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149554		
182	96.0	48.8	146.3	
145	34.4	16.7	50.0	

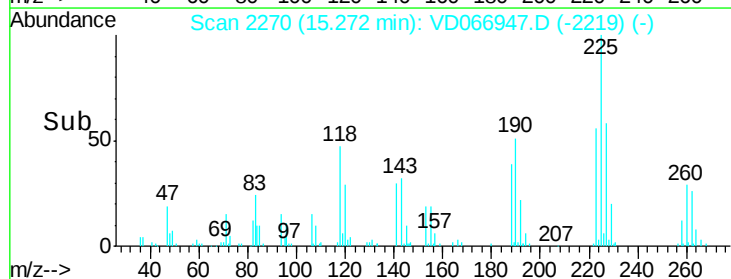
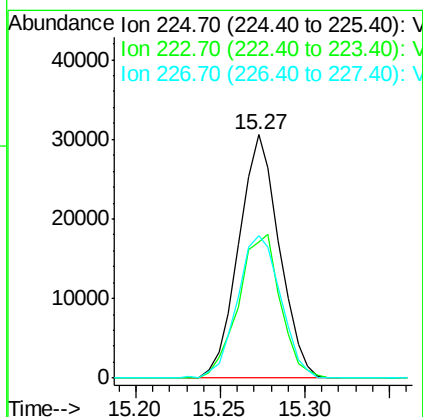
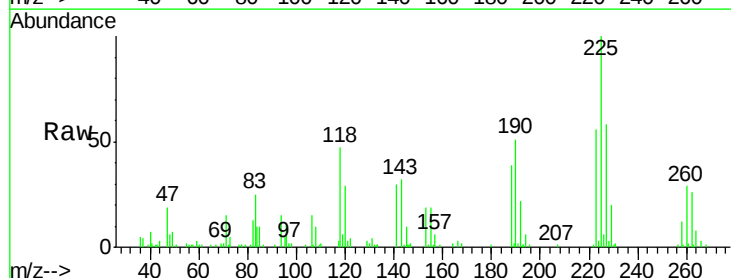
Manual Integrations
 APPROVED

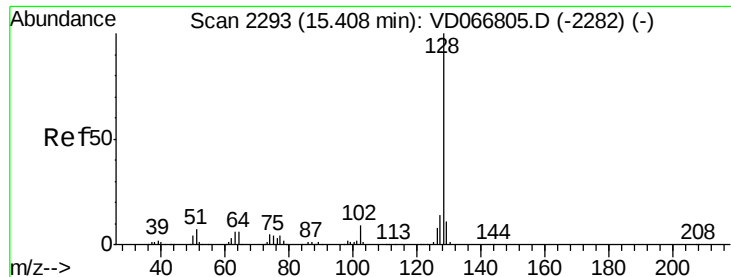
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 9/30/2020 1:21:58 PM



#94
 Hexachlorobutadiene
 Concen: 23.269 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066947.D
 Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51077		
223	60.8	31.1	93.3	
227	62.3	31.7	95.1	





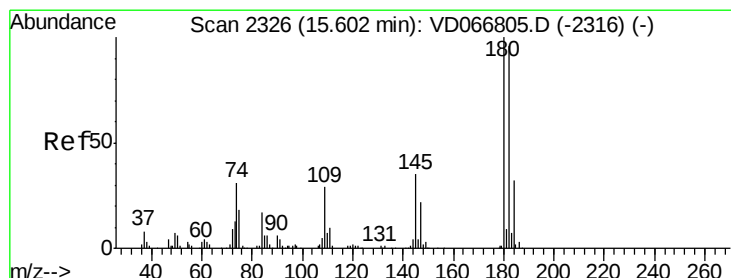
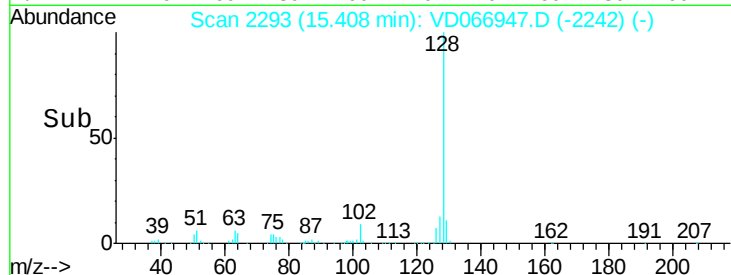
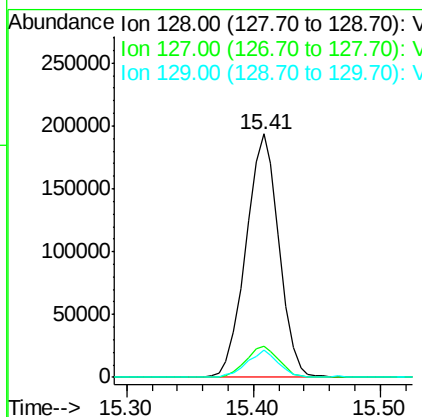
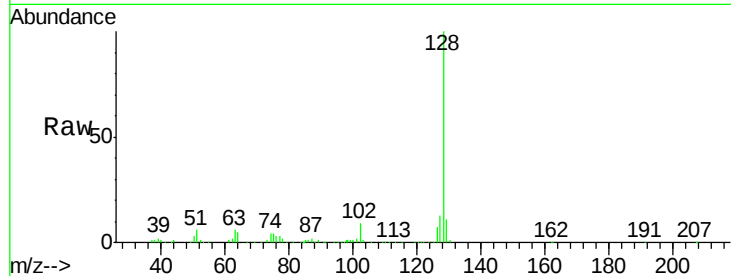
#95
Naphthalene
Concen: 56.267 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	349923		
127	12.9	10.6	16.0	
129	10.8	8.9	13.3	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 42.284 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066947.D
Acq: 29 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133685		
182	92.8	46.8	140.3	
145	34.1	17.0	51.0	

