

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066370.D
 Acq On : 21 Aug 2020 20:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:15 PM

Quant Time: Aug 22 02:44:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	199277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	289567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	271087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121002	61.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.86%	
35) Dibromofluoromethane	7.91	113	104228	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
50) Toluene-d8	10.33	98	389696	58.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.64%	
62) 4-Bromofluorobenzene	12.63	95	139280	59.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81759	48.260	ug/l	95
3) Chloromethane	2.20	50	62861	52.346	ug/l	100
4) Vinyl Chloride	2.34	62	65135	50.518	ug/l	96
5) Bromomethane	2.77	94	49644	51.477	ug/l	99
6) Chloroethane	2.91	64	44056	53.362	ug/l	96
7) Trichlorofluoromethane	3.27	101	181722	51.831	ug/l	99
8) Diethyl Ether	3.70	74	42807	54.493	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86670	50.090	ug/l	99
10) Methyl Iodide	4.30	142	98761	50.045	ug/l	96
11) Tert butyl alcohol	5.23	59	32894	303.030	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	83037	51.126	ug/l	93
13) Acrolein	3.91	56	18285	210.762	ug/l	97
14) Allyl chloride	4.71	41	112153	51.734	ug/l	94
15) Acrylonitrile	5.43	53	86342	273.942	ug/l	96
16) Acetone	4.15	43	80481	228.495	ug/l	95
17) Carbon Disulfide	4.40	76	253280	51.457	ug/l	99
18) Methyl Acetate	4.71	43	34722	52.524	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	226786	57.989	ug/l	94
20) Methylene Chloride	4.97	84	106166	57.335	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	99211	52.475	ug/l	95
22) Diisopropyl ether	6.36	45	234144	55.785	ug/l	97
23) Vinyl Acetate	6.30	43	730836	281.269	ug/l	99
24) 1,1-Dichloroethane	6.26	63	160216	54.016	ug/l	99
25) 2-Butanone	7.20	43	108479	271.293	ug/l	98
26) 2,2-Dichloropropane	7.21	77	162928	51.251	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	111735	55.156	ug/l	98
28) Bromochloromethane	7.54	49	57180	55.966	ug/l	98
29) Tetrahydrofuran	7.56	42	62388	274.698	ug/l	97
30) Chloroform	7.70	83	194341	56.630	ug/l	98
31) Cyclohexane	7.98	56	126888	46.775	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	192258	54.739	ug/l	100
36) 1,1-Dichloropropene	8.11	75	137716	52.123	ug/l	98
37) Ethyl Acetate	7.29	43	48180	53.615	ug/l #	90
38) Carbon Tetrachloride	8.09	117	184743	53.669	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	155653	50.011	ug/l	96
40) Benzene	8.34	78	374912	53.940	ug/l	95
41) Methacrylonitrile	7.56	41	37339	67.379	ug/l #	42
42) 1,2-Dichloroethane	8.42	62	139766	57.094	ug/l	99
43) Isopropyl Acetate	8.45	43	97908	54.283	ug/l	98
44) Trichloroethene	9.11	130	118441	52.442	ug/l	97
45) 1,2-Dichloropropane	9.38	63	82849	52.578	ug/l	94
46) Dibromomethane	9.47	93	55439	56.508	ug/l	98
47) Bromodichloromethane	9.66	83	152278	56.440	ug/l	95
48) Methyl methacrylate	9.45	41	48697	52.357	ug/l	95
49) 1,4-Dioxane	9.46	88	12721	1116.667	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	240977	276.178	ug/l	99
52) Toluene	10.40	92	257456	54.673	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	141919	55.435	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	157696	54.877	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	71656	53.951	ug/l	96
56) Ethyl methacrylate	10.66	69	85829	55.823	ug/l	94
57) 1,3-Dichloropropane	10.94	76	118956	54.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180833	283.185	ug/l	96
59) 2-Hexanone	10.98	43	167137	271.564	ug/l	97
60) Dibromochloromethane	11.14	129	112339	56.113	ug/l	99
61) 1,2-Dibromoethane	11.24	107	70734	54.117	ug/l	99
64) Tetrachloroethene	10.87	164	111090	54.020	ug/l	96
65) Chlorobenzene	11.67	112	290115	53.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118420	53.728	ug/l	99
67) Ethyl Benzene	11.74	91	511346	53.862	ug/l	98
68) m/p-Xylenes	11.85	106	387244	107.017	ug/l	97
69) o-Xylene	12.18	106	181783	54.001	ug/l	98
70) Styrene	12.19	104	315885	54.651	ug/l	99
71) Bromoform	12.36	173	69318	55.434	ug/l #	100
73) Isopropylbenzene	12.48	105	499574	52.045	ug/l	98
74) N-amyl acetate	12.28	43	93585	53.981	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	70756	51.601	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	59677m	59.201	ug/l	
77) Bromobenzene	12.76	156	131576	54.006	ug/l	98
78) n-propylbenzene	12.82	91	562285	51.089	ug/l	100
79) 2-Chlorotoluene	12.91	91	329616	52.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	439031	52.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	25377	53.437	ug/l	99
82) 4-Chlorotoluene	13.00	91	346554	52.037	ug/l	98
83) tert-Butylbenzene	13.23	119	375705	52.191	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	439651	54.009	ug/l	99
85) sec-Butylbenzene	13.40	105	488788	51.824	ug/l	99
86) p-Isopropyltoluene	13.52	119	477026	52.453	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	240609	52.907	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	239637	52.480	ug/l	99
89) n-Butylbenzene	13.84	91	406850	50.696	ug/l	99
90) Hexachloroethane	14.11	117	90782	50.532	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	211250	53.959	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15738	54.723	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160616	52.551	ug/l	99
94) Hexachlorobutadiene	15.27	225	95828	50.453	ug/l	99
95) Naphthalene	15.40	128	264598	55.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	140825	53.786	ug/l	99

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

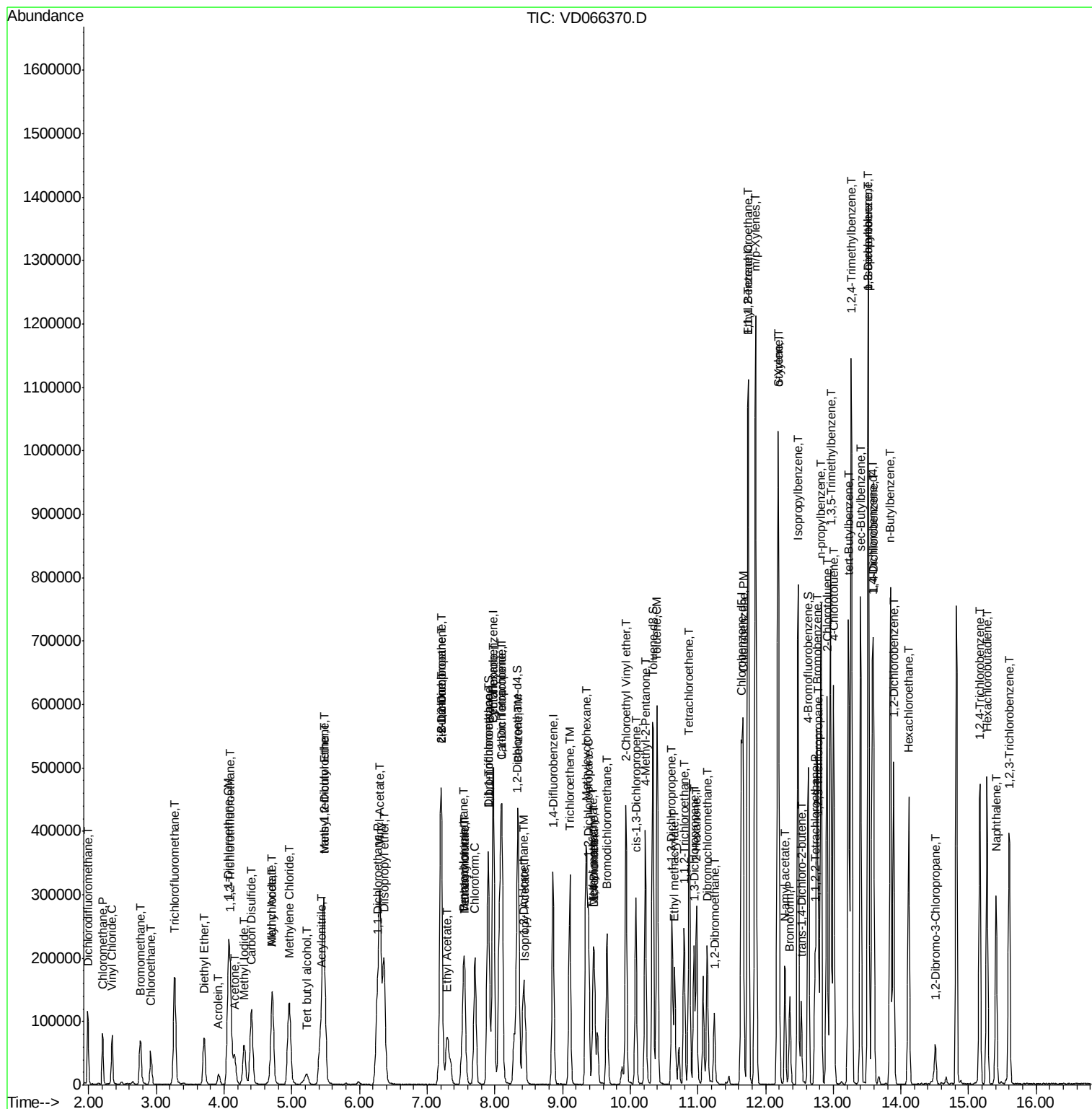
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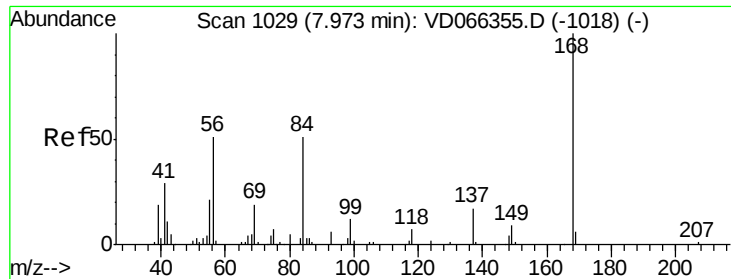
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199277

Ion Ratio Lower Upper

168 100

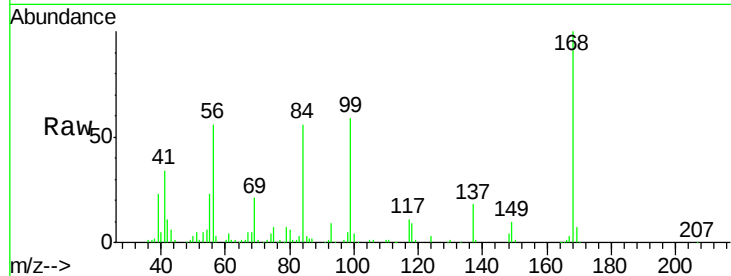
99 58.9 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

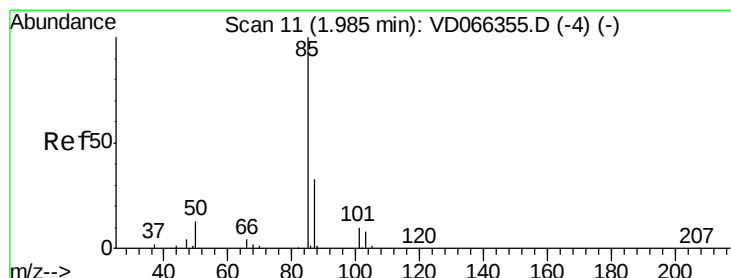
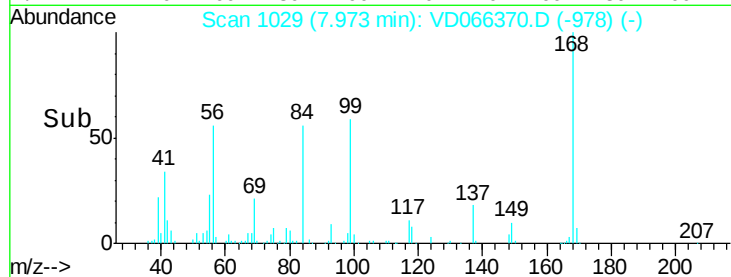
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.260 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066370.D

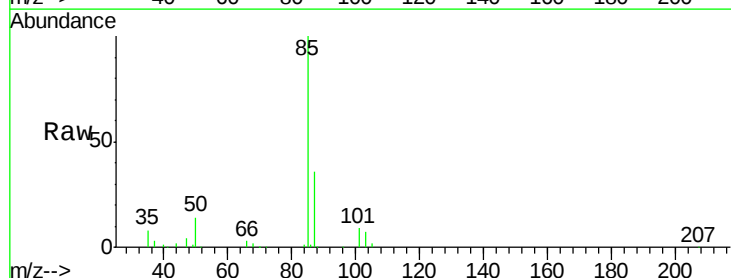
Acq: 21 Aug 2020 20:09

Tgt Ion: 85 Resp: 81759

Ion Ratio Lower Upper

85 100

87 35.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

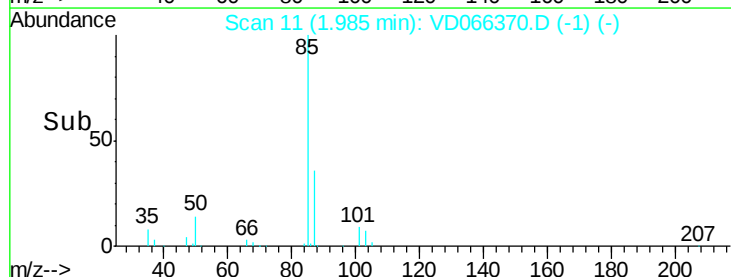
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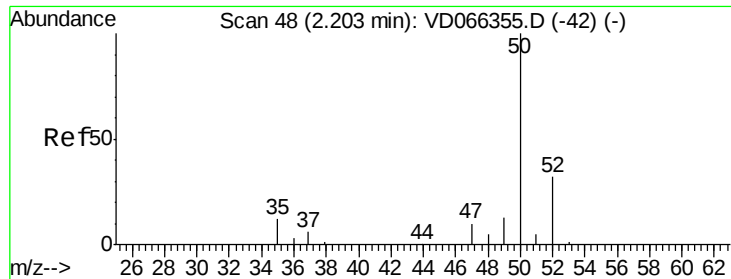
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 52.346 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 62861

Ion Ratio Lower Upper

50 100

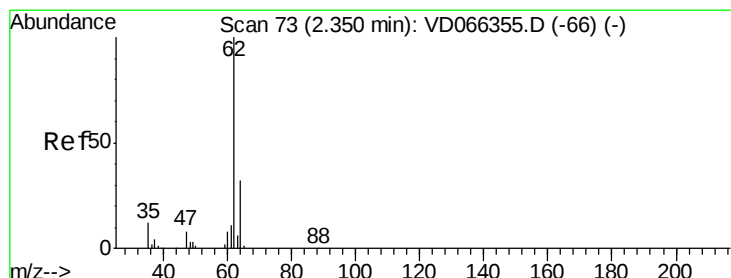
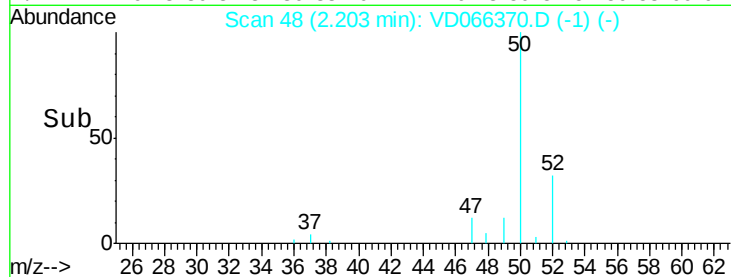
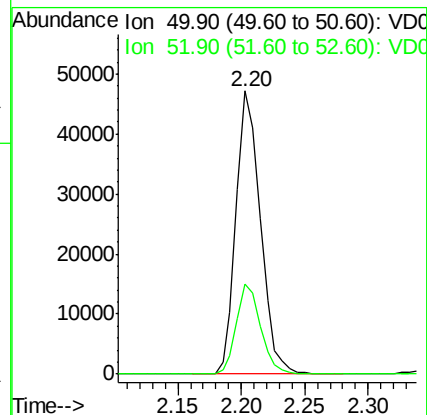
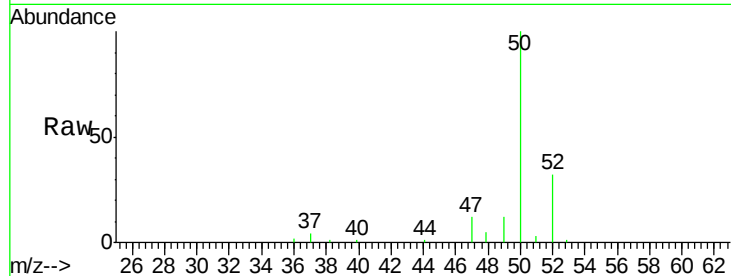
52 31.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.518 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066370.D

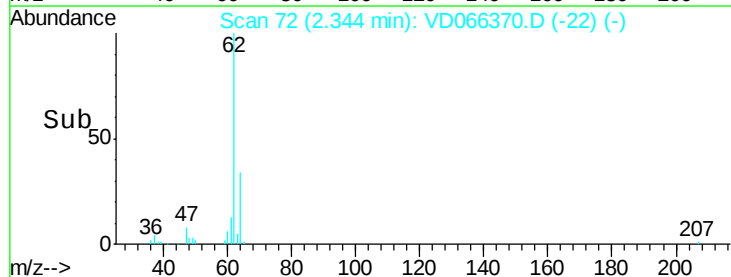
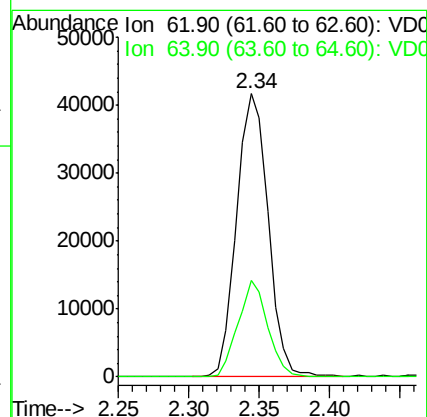
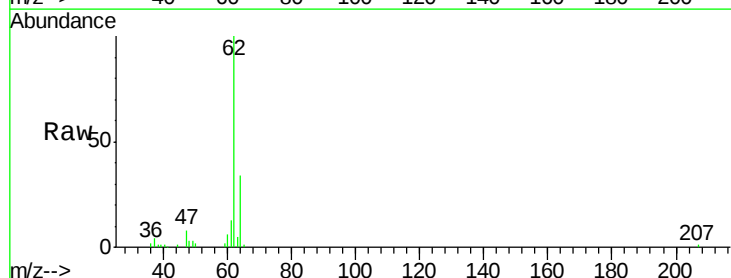
Acq: 21 Aug 2020 20:09

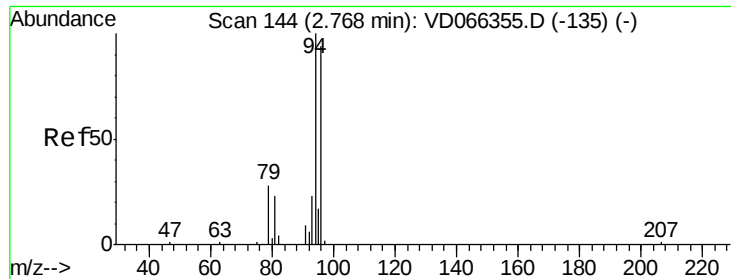
Tgt Ion: 62 Resp: 65135

Ion Ratio Lower Upper

62 100

64 34.2 25.4 38.2





#5

Bromomethane

Concen: 51.477 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49644

Ion Ratio Lower Upper

94 100

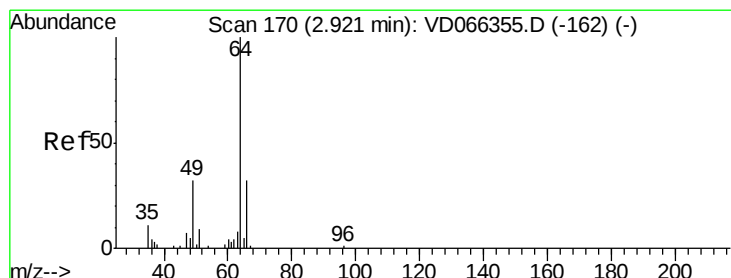
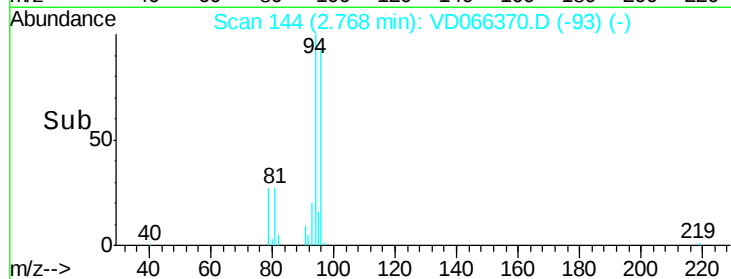
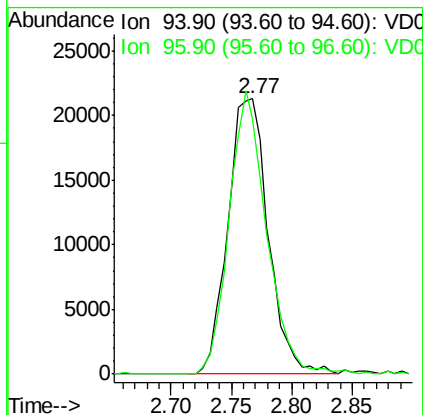
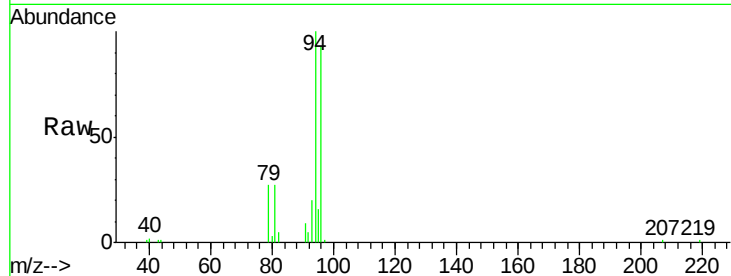
96 93.0 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 53.362 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066370.D

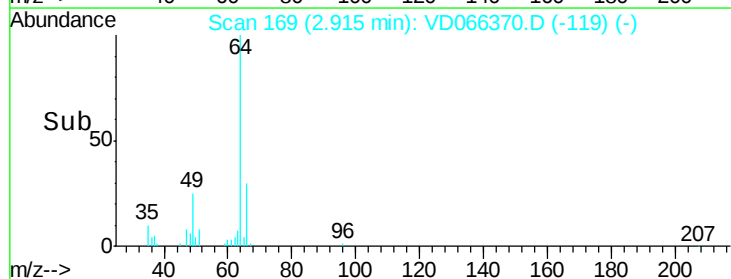
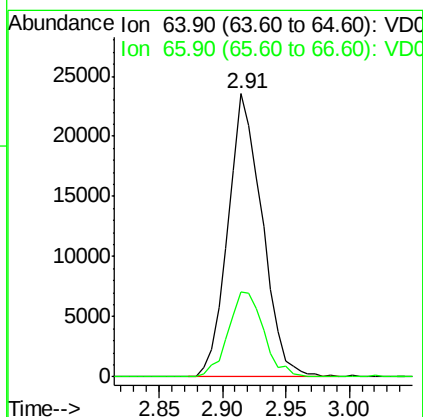
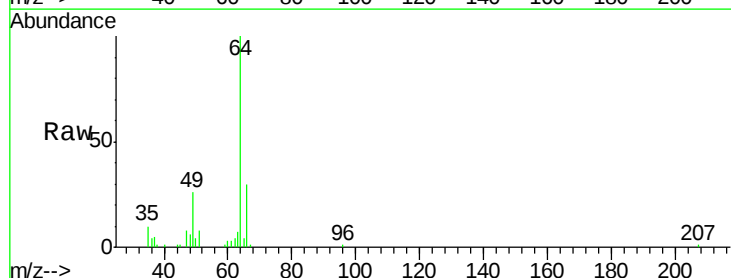
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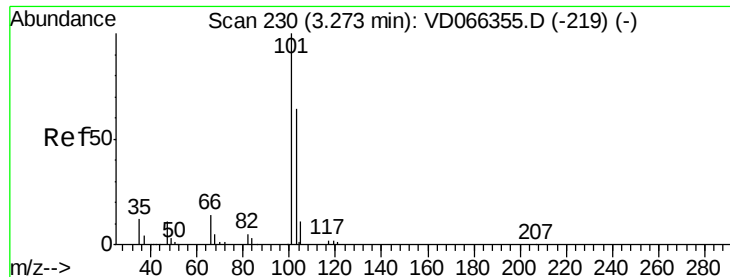
Tgt Ion: 64 Resp: 44056

Ion Ratio Lower Upper

64 100

66 30.2 25.9 38.9





#7

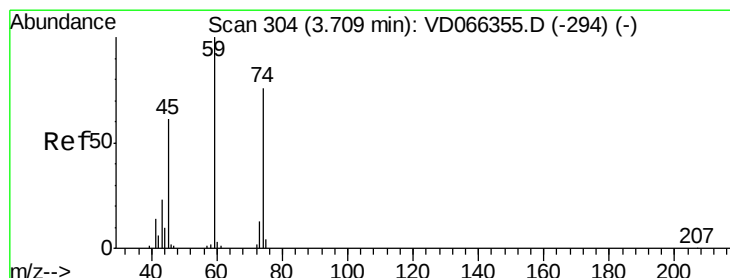
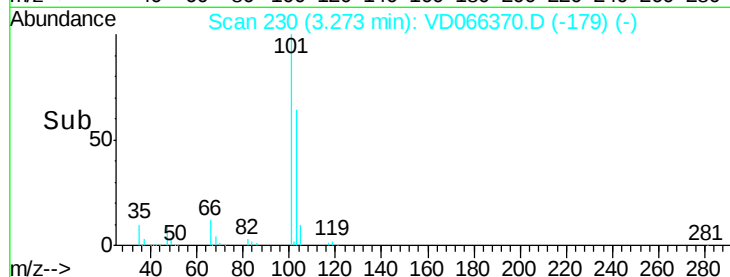
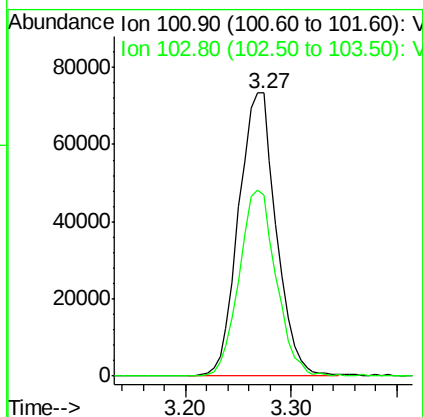
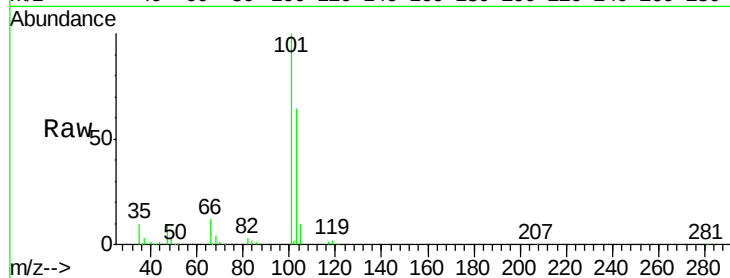
Trichlorofluoromethane
 Concen: 51.831 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066370.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.0

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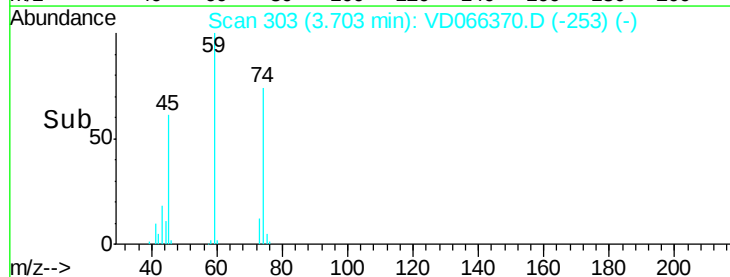
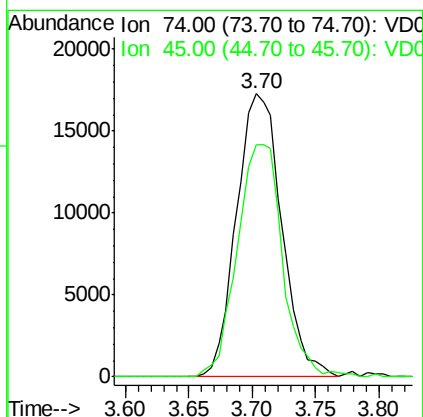
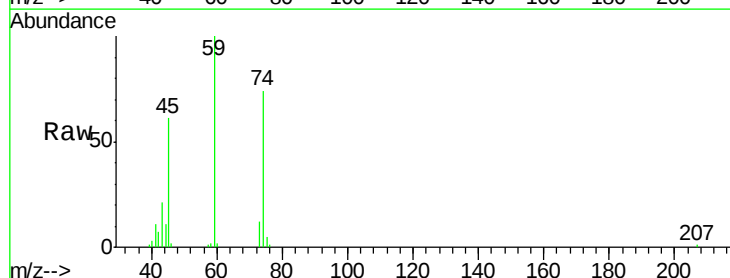
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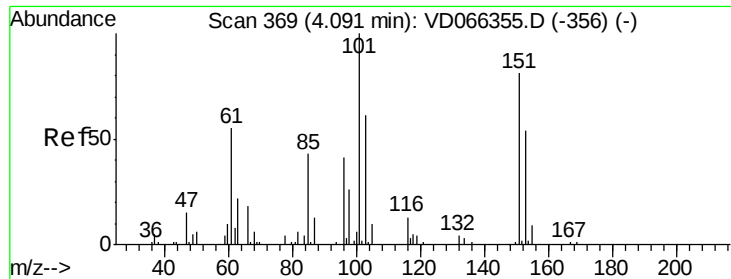


#8

Diethyl Ether
 Concen: 54.493 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.1	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.090 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066370.D

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MSVOA_D

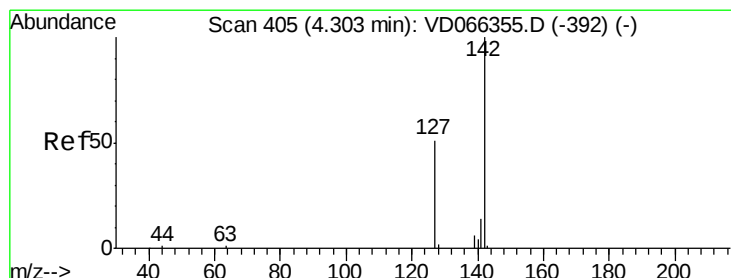
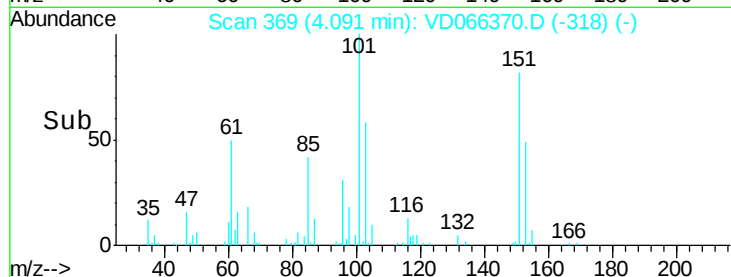
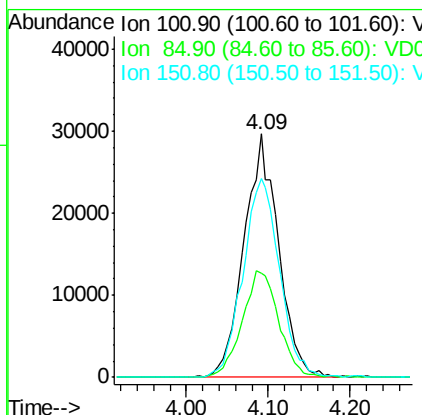
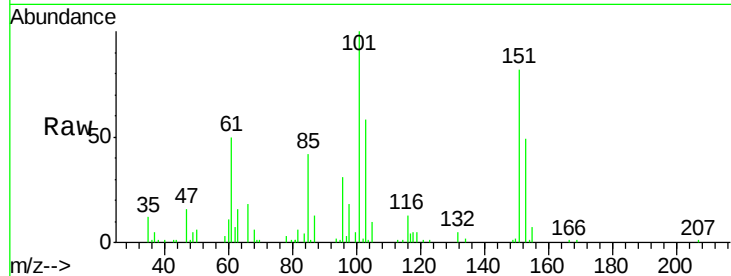
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86670
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.4	54.6
151	87.0	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.045 ug/l

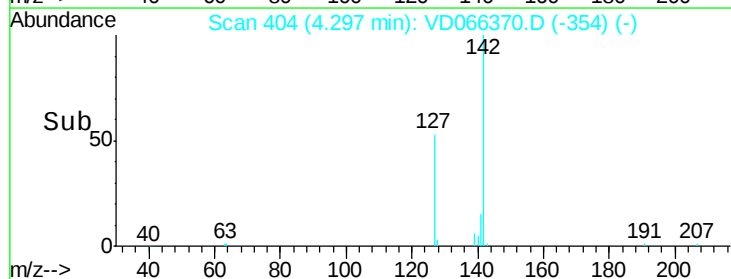
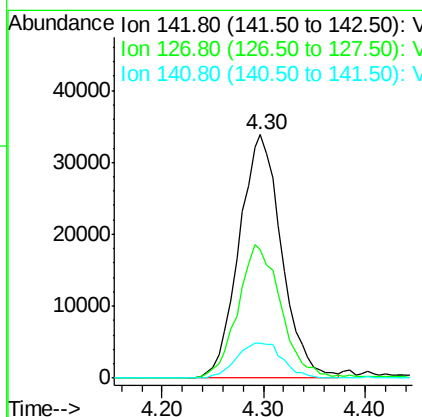
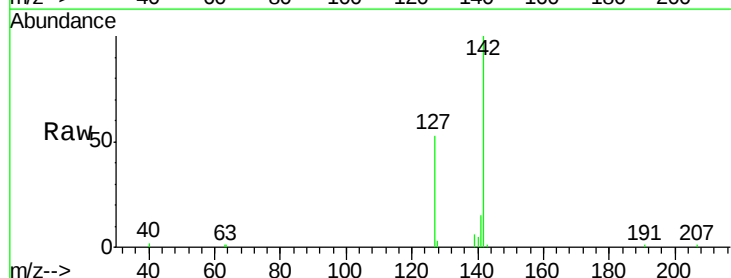
RT: 4.30 min Scan# 404

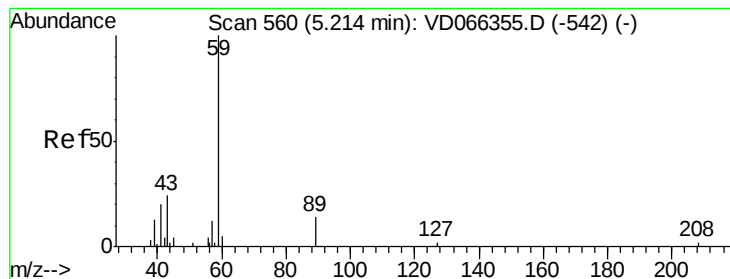
Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	142	Resp:	98761
Ion Ratio	Lower	Upper	
142	100		
127	55.6	41.8	62.8
141	15.4	11.8	17.6





#11

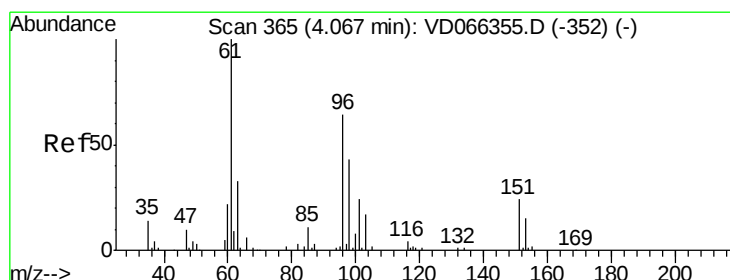
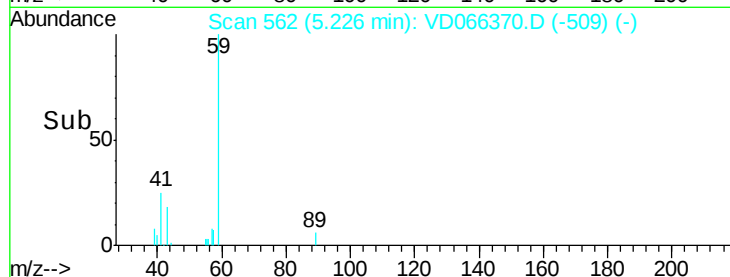
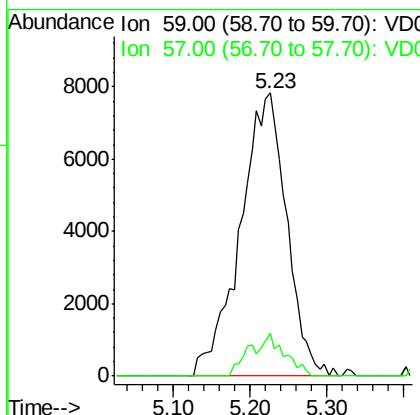
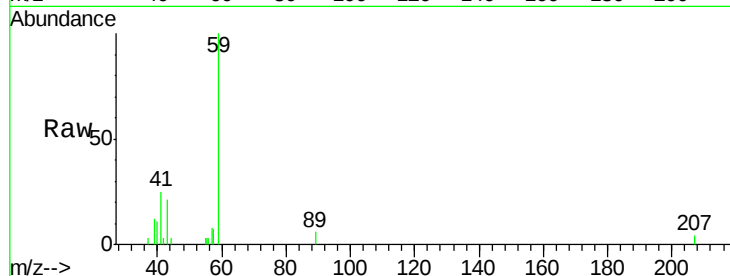
Tert butyl alcohol
 Concen: 303.030 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	32894
Ion Ratio	100	Lower	Upper
57	7.4	9.0	13.4#

Manual Integrations
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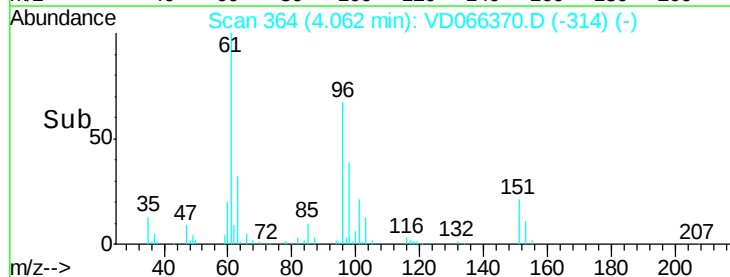
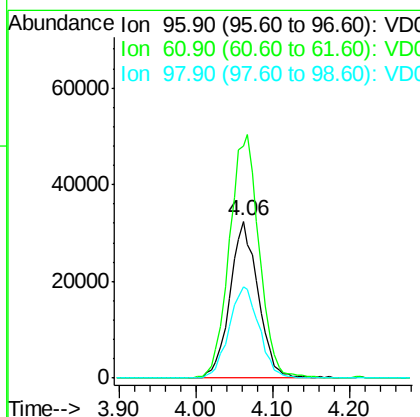
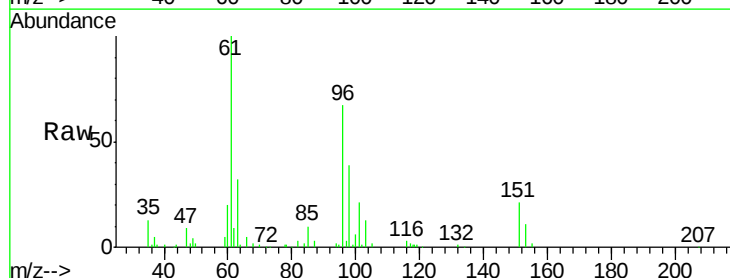
MMDadoda
 8/24/2020 4:37:15 PM

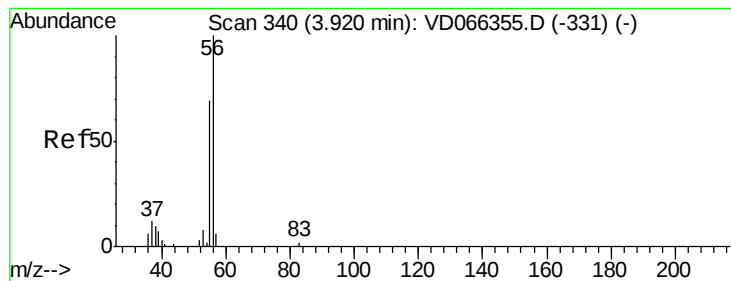


#12

1,1-Dichloroethene
 Concen: 51.126 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	96	Resp	83037
Ion Ratio	100	Lower	Upper
61	148.3	124.3	186.5
98	58.0	53.2	79.8





#13

Acrolein

Concen: 210.762 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18285

Ion Ratio Lower Upper

56 100

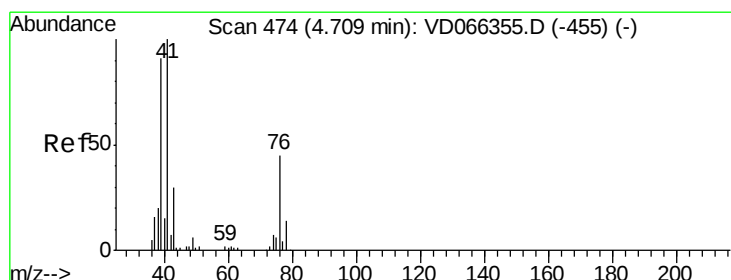
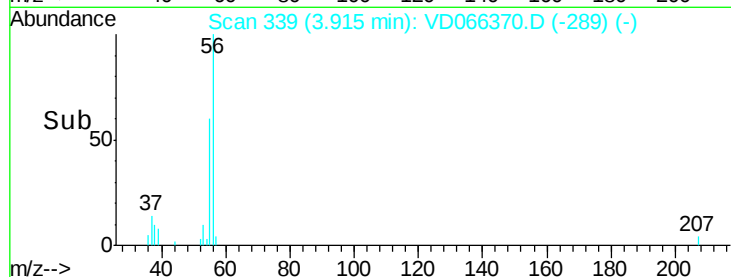
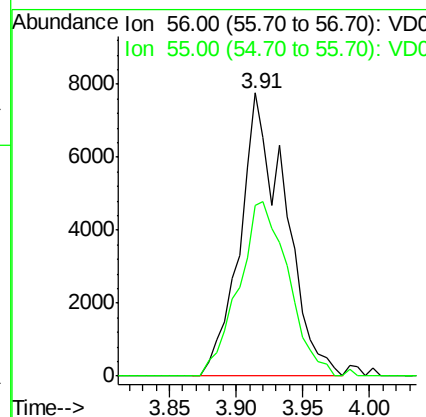
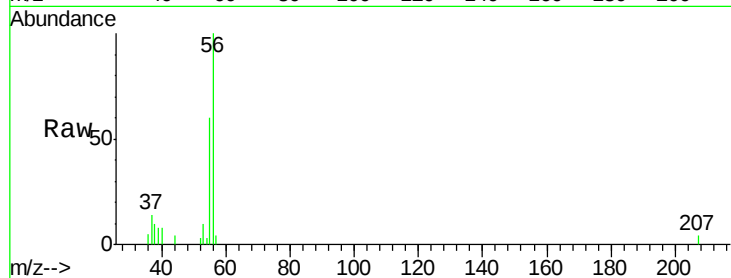
55 67.3 55.5 83.3

Manual Integrations

APPROVED

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8/24/2020 4:37:15 PM



#14

Allyl chloride

Concen: 51.734 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

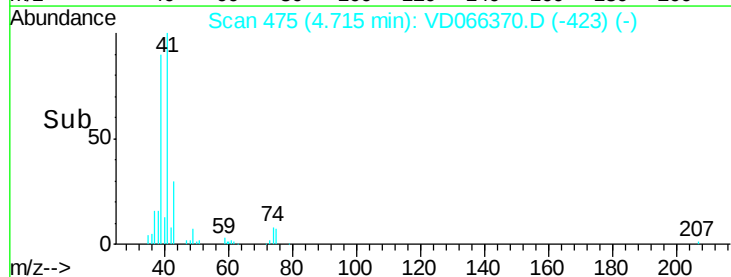
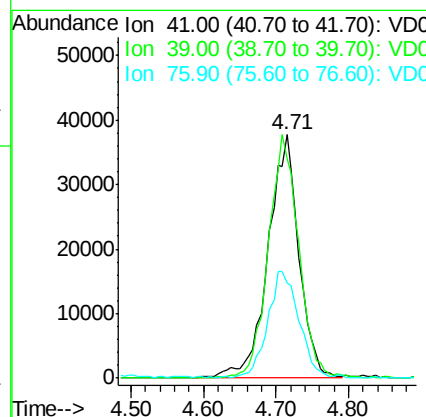
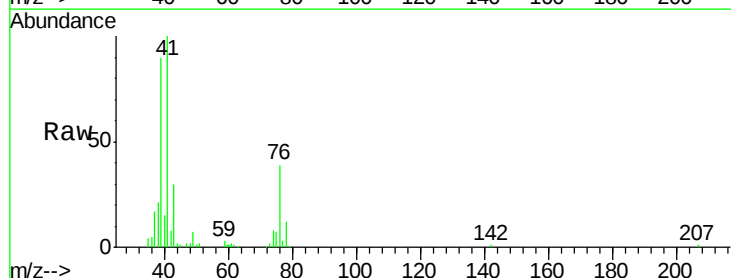
Tgt Ion: 41 Resp: 112153

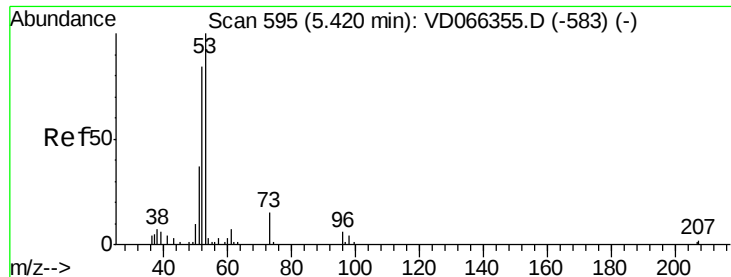
Ion Ratio Lower Upper

41 100

39 98.5 72.8 109.2

76 44.6 34.0 51.0





#15

Acrylonitrile

Concen: 273.942 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

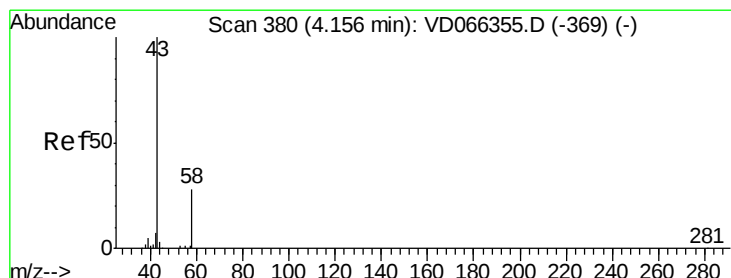
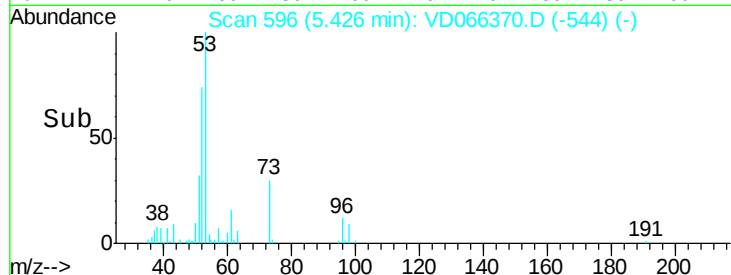
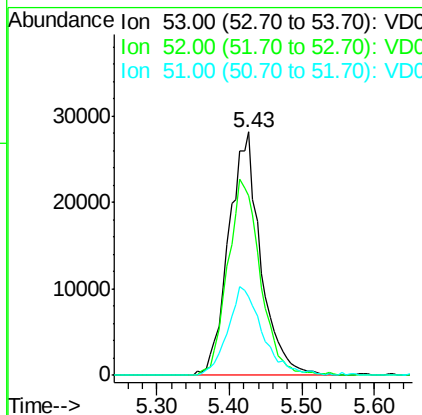
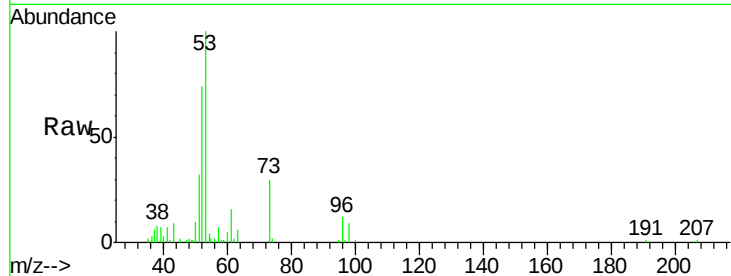
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	86342
Ion	Ratio	Lower	Upper
53	100		
52	81.7	68.1	102.1
51	39.3	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 228.495 ug/l

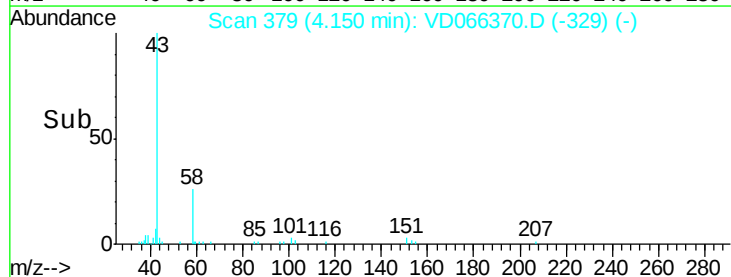
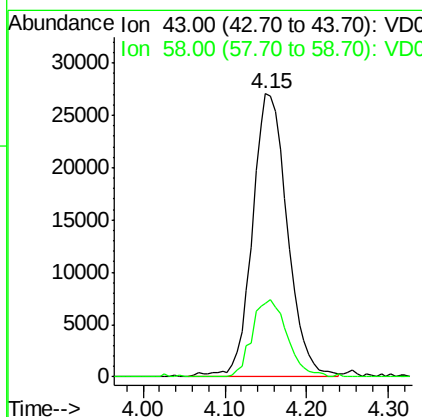
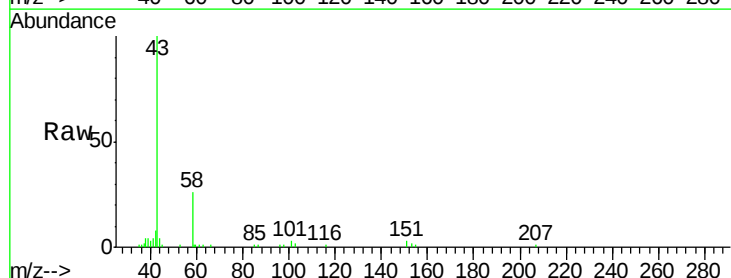
RT: 4.15 min Scan# 379

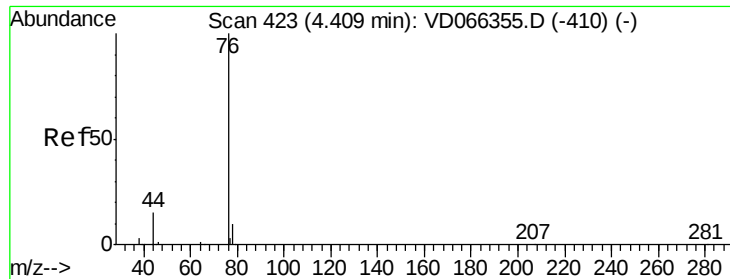
Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	43	Resp:	80481
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1





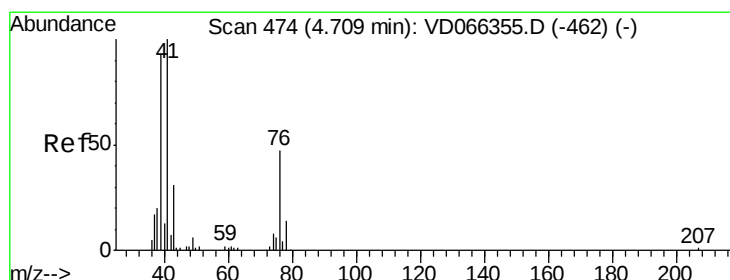
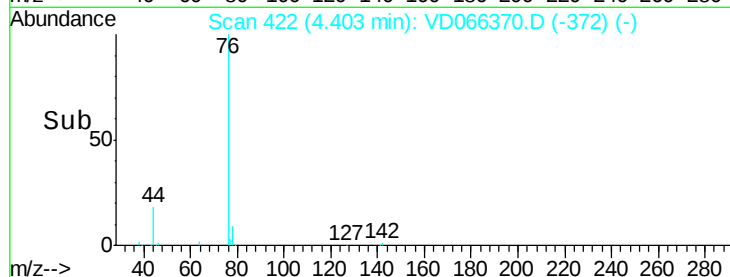
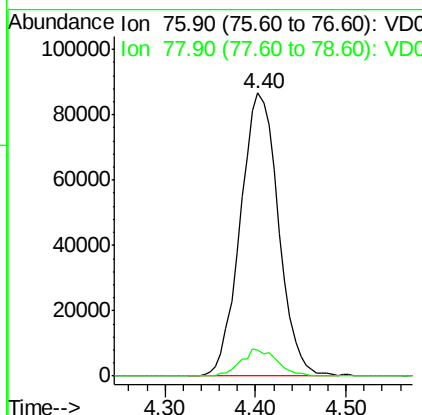
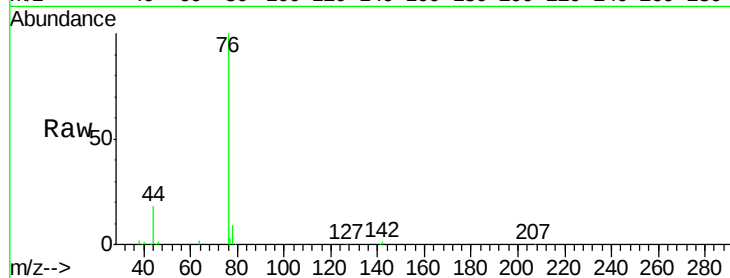
#17
Carbon Disulfide
Concen: 51.457 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

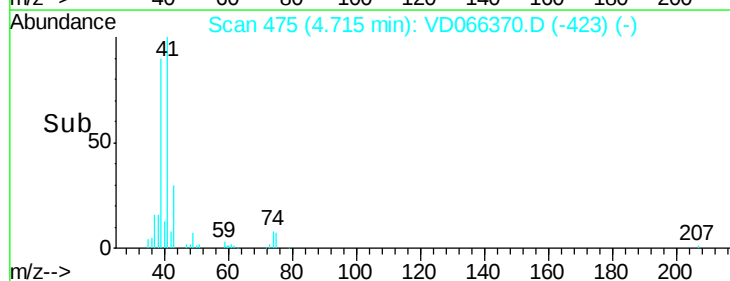
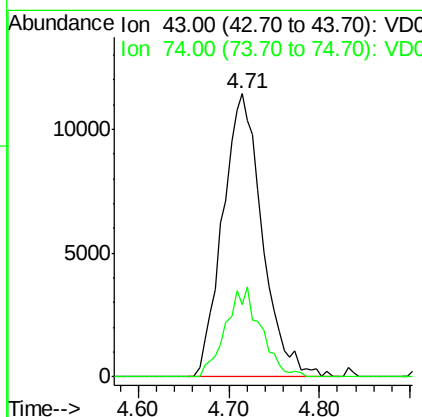
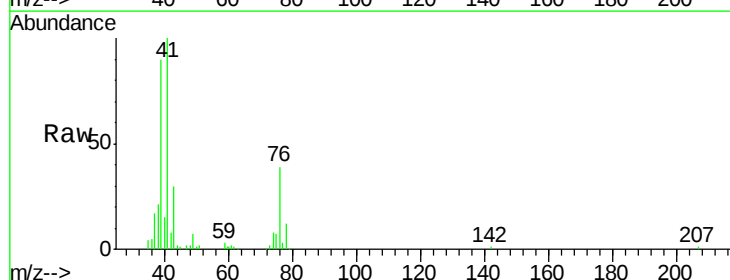
Manual Integrations
APPROVED

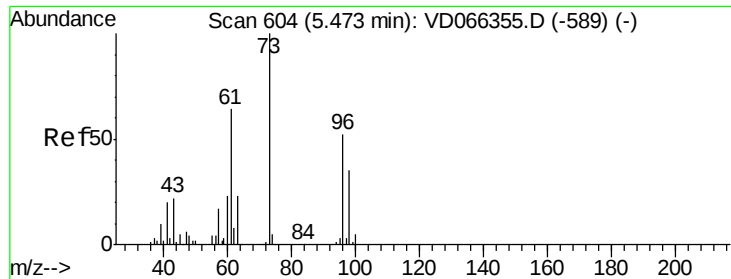
MMDadoda
8/24/2020 4:37:15 PM



#18
Methyl Acetate
Concen: 52.524 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	21.0	31.6





#19

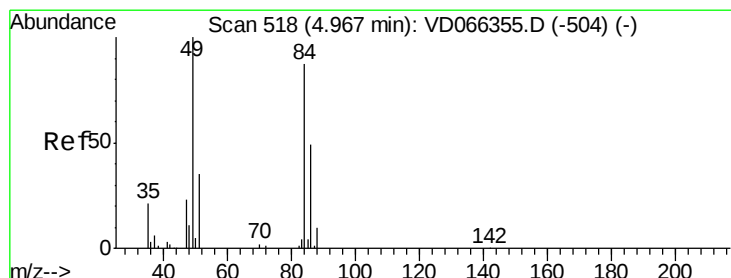
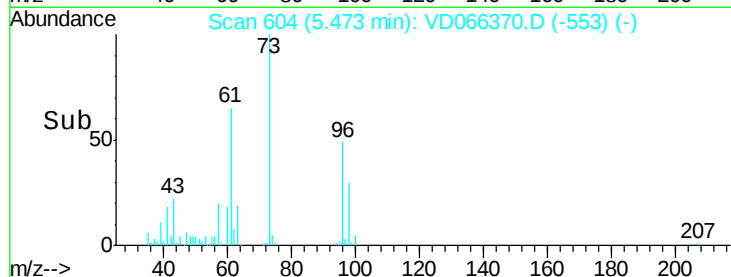
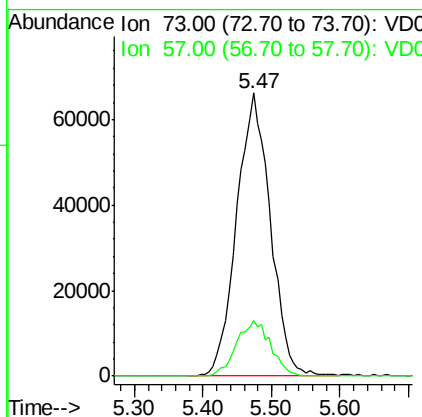
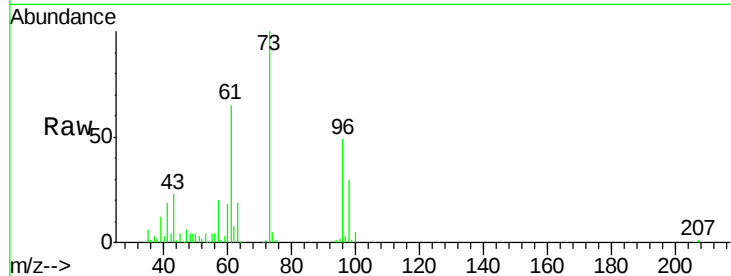
Methyl tert-butyl Ether
 Concen: 57.989 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	226786
Ion	Ratio	Lower	Upper
73	100		
57	19.7	13.8	20.6

Manual Integrations
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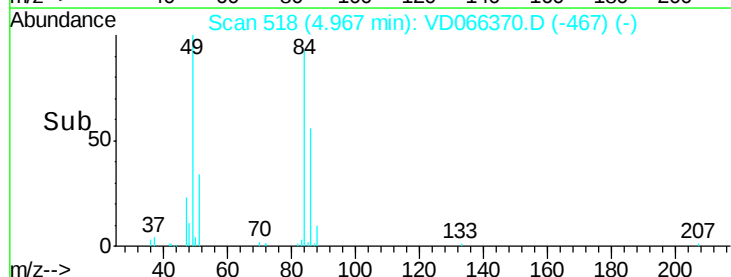
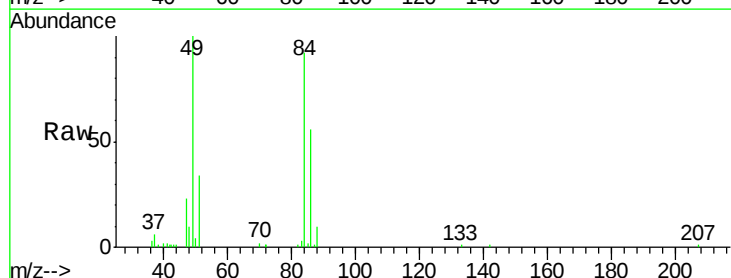
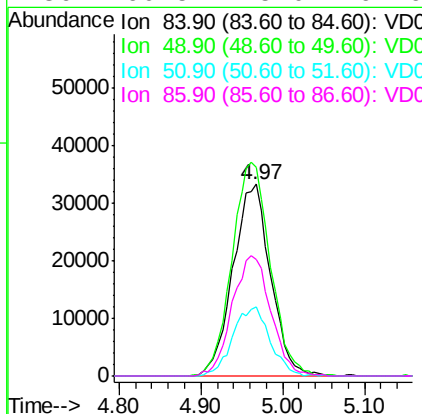
MMDadoda
 8/24/2020 4:37:15 PM

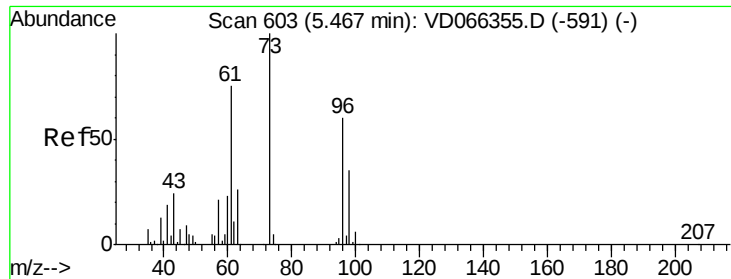


#20

Methylene Chloride
 Concen: 57.335 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	84	Resp	106166
Ion	Ratio	Lower	Upper
84	100		
49	108.6	92.5	138.7
51	36.4	32.5	48.7
86	60.5	45.0	67.6





#21

trans-1,2-Dichloroethene

Concen: 52.475 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

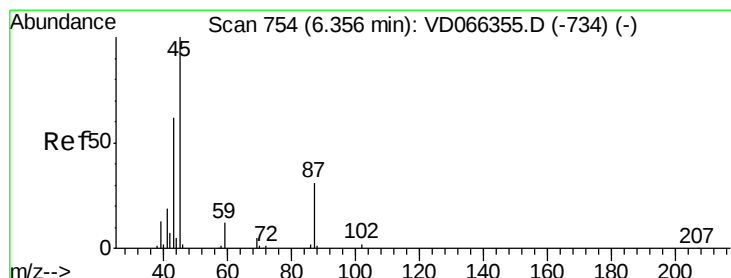
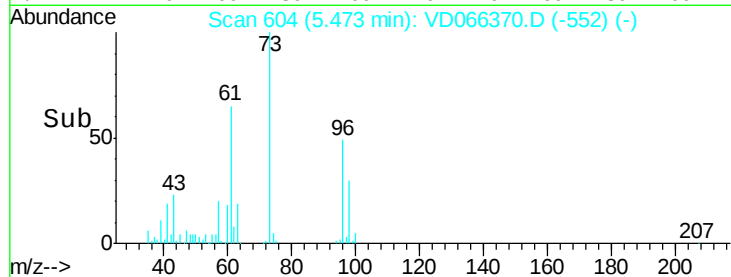
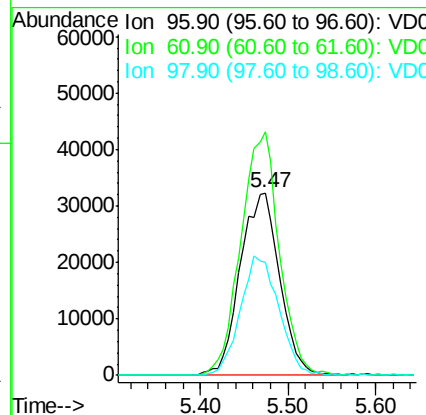
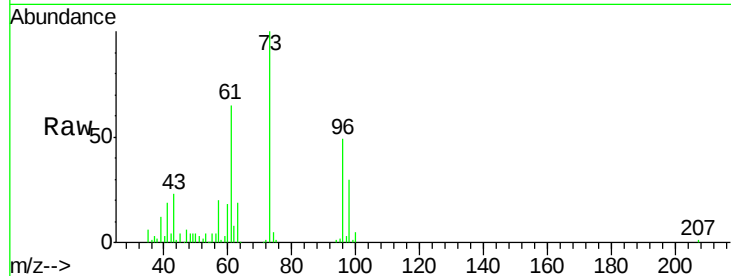
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	99211
Ion	Ratio	Lower	Upper
96	100		
61	133.2	101.1	151.7
98	62.1	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.785 ug/l

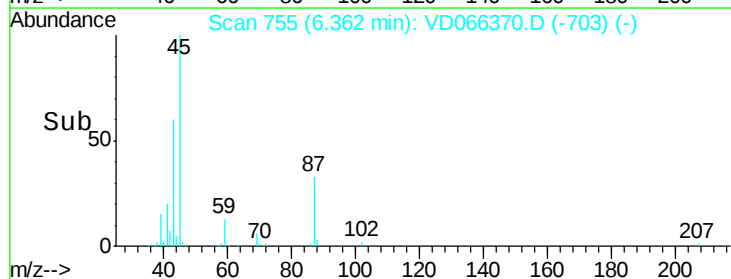
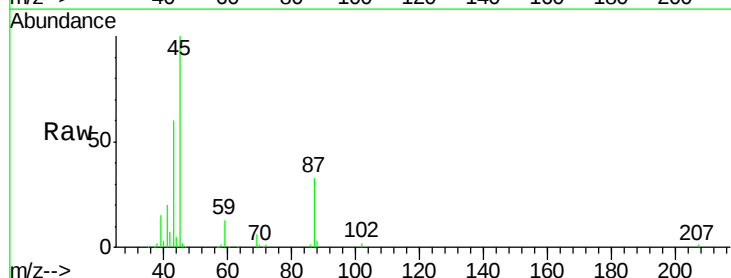
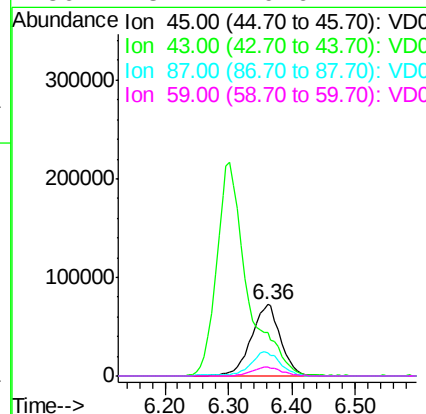
RT: 6.36 min Scan# 755

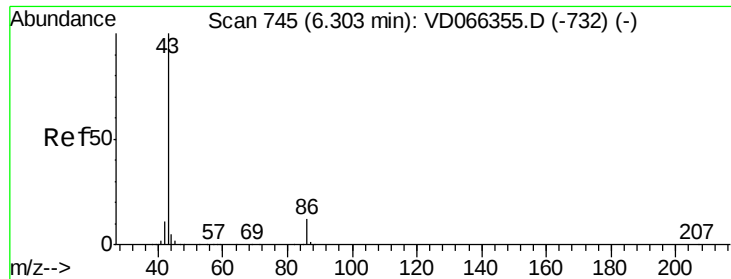
Delta R.T. 0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	45	Resp:	234144
Ion	Ratio	Lower	Upper
45	100		
43	59.4	49.8	74.8
87	32.8	25.0	37.6
59	13.1	9.6	14.4





#23

Vinyl Acetate

Concen: 281.269 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 730836

Ion Ratio Lower Upper

43 100

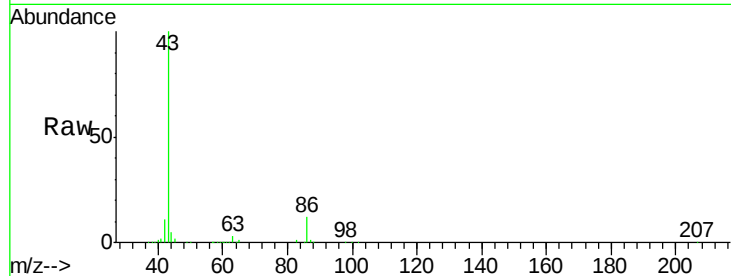
86 12.2 9.4 14.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

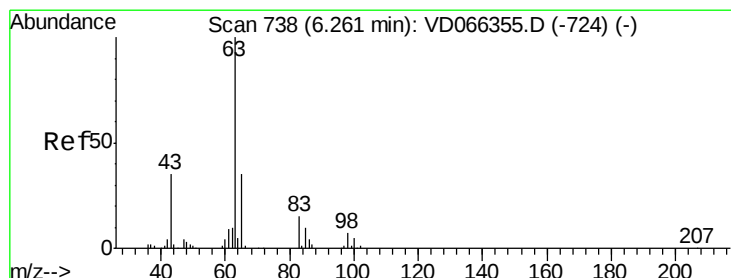
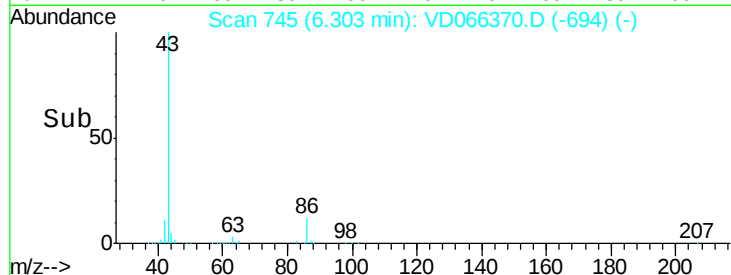
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 54.016 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

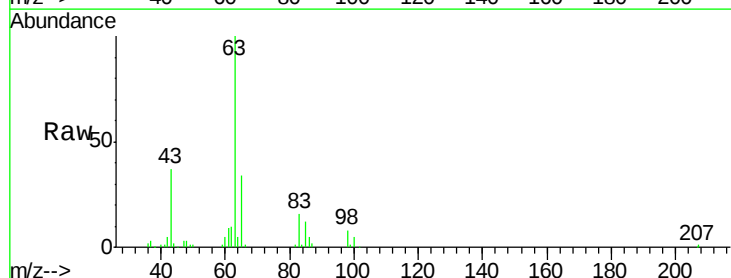
Tgt Ion: 63 Resp: 160216

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 5.2 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

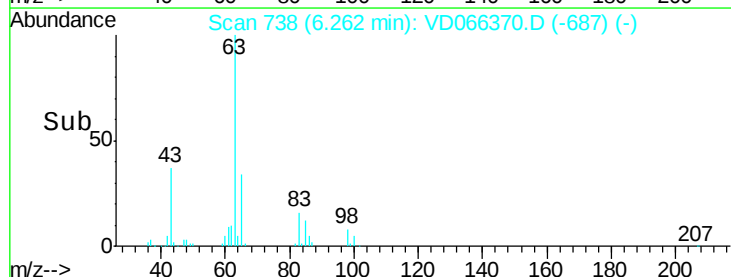
40000

20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 271.293 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 108479

Ion Ratio Lower Upper

43 100

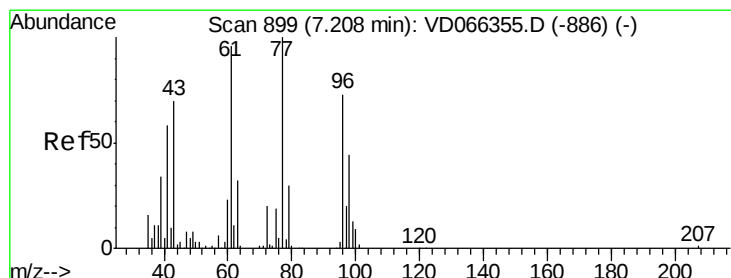
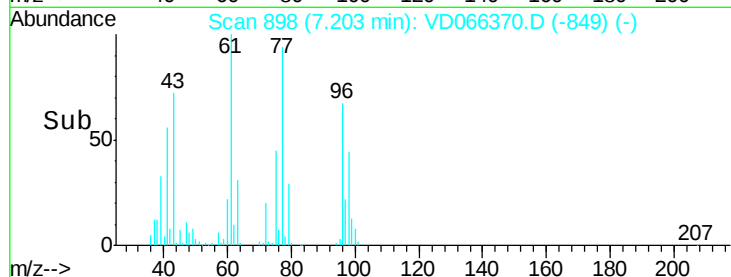
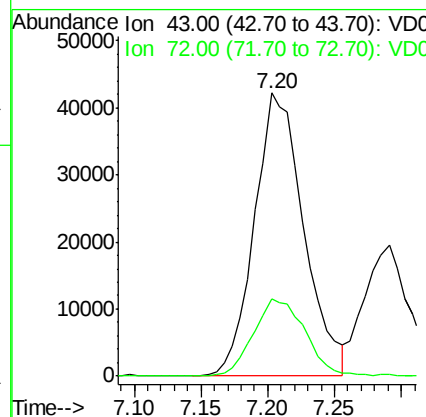
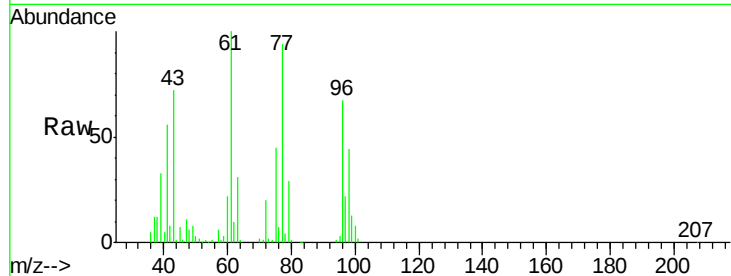
72 27.1 22.5 33.7

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:37:15 PM



#26

2,2-Dichloropropane

Concen: 51.251 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066370.D

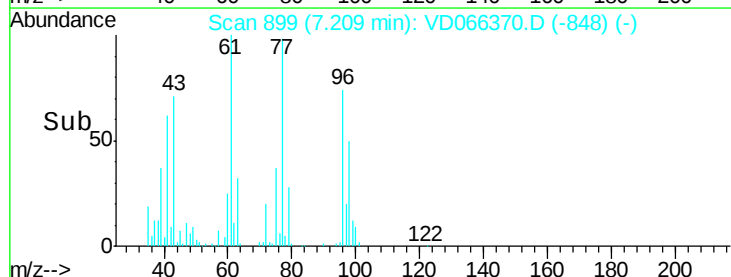
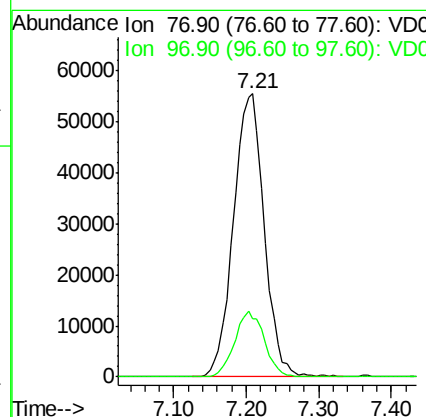
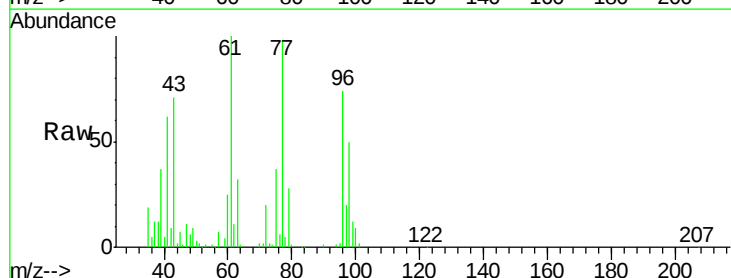
Acq: 21 Aug 2020 20:09

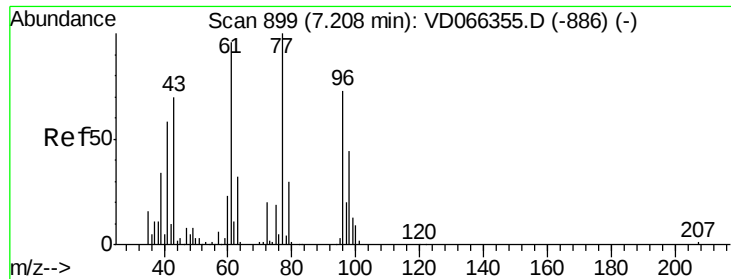
Tgt Ion: 77 Resp: 162928

Ion Ratio Lower Upper

77 100

97 22.2 10.7 31.9





#27

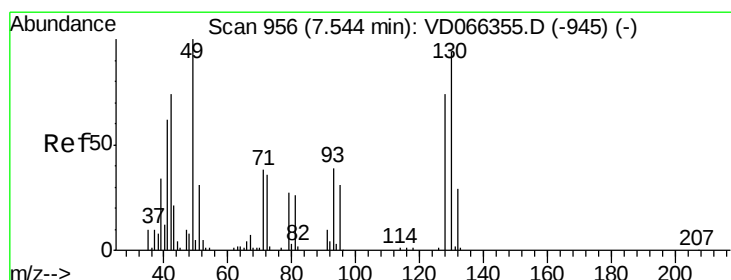
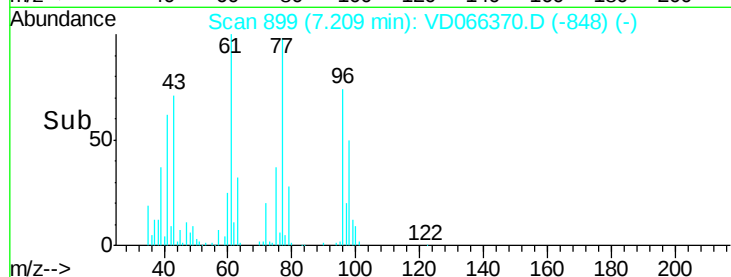
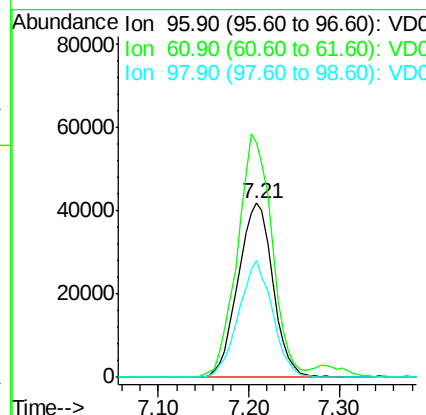
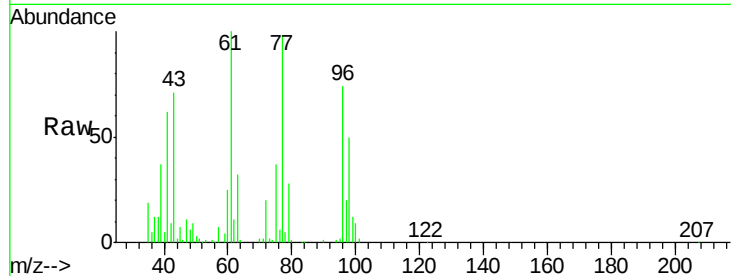
cis-1,2-Dichloroethene
Concen: 55.156 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.3	0.0	281.4	
98	64.9	0.0	132.2	

Manual Integrations
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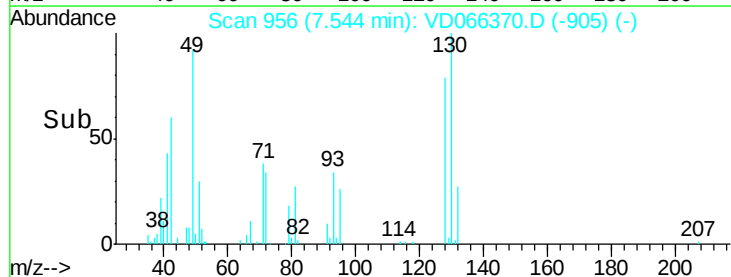
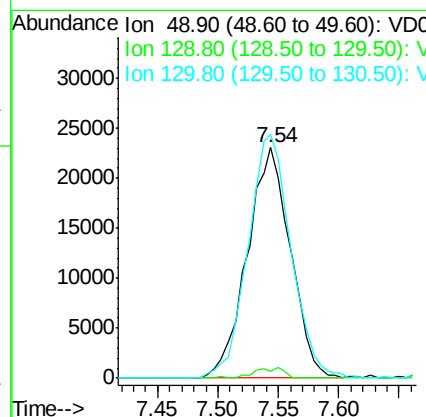
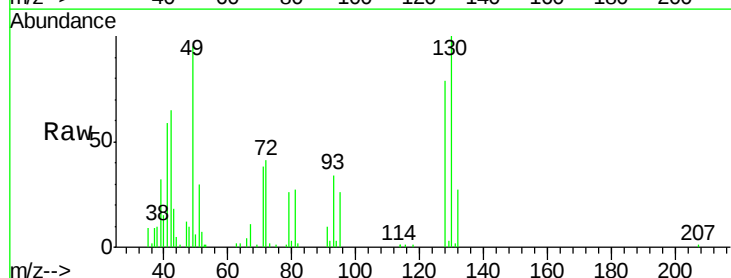
MMDadoda
8/24/2020 4:37:15 PM

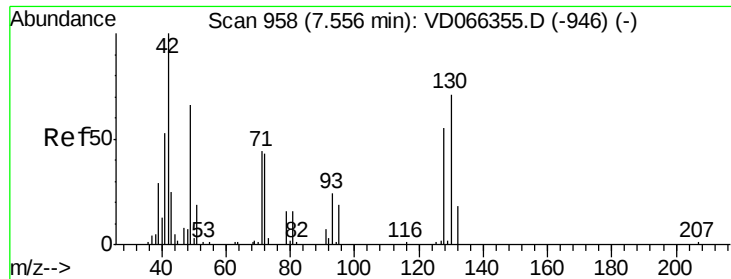


#28

Bromochloromethane
Concen: 55.966 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	3.0	
130	105.6	82.6	124.0	





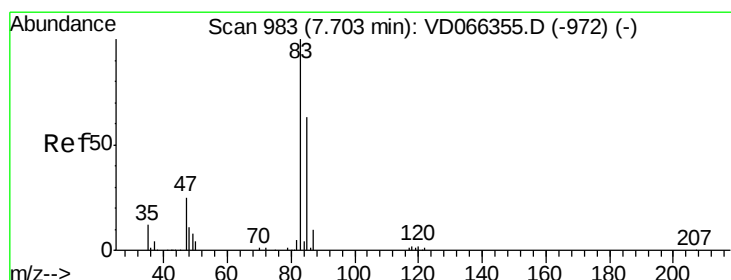
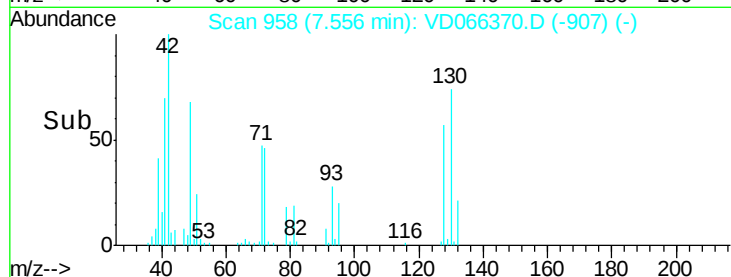
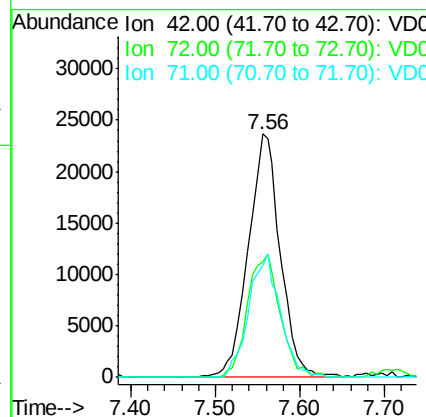
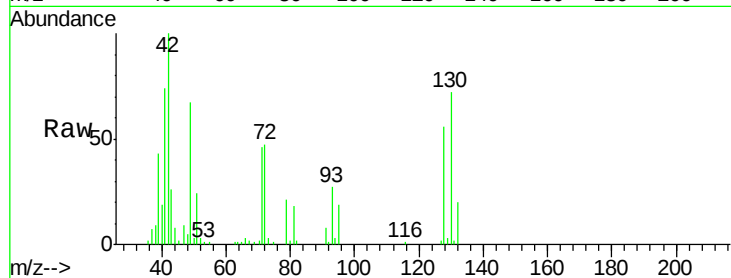
#29
Tetrahydrofuran
Concen: 274.698 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	41.0	61.4
71	49.7	37.2	55.8

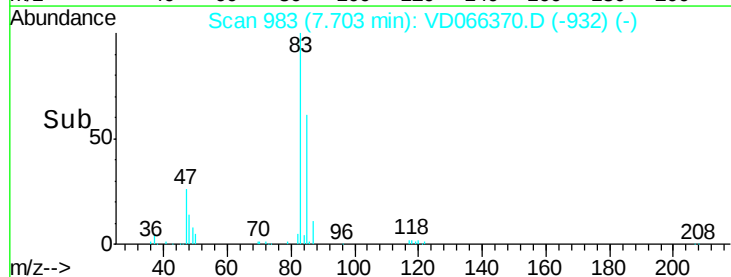
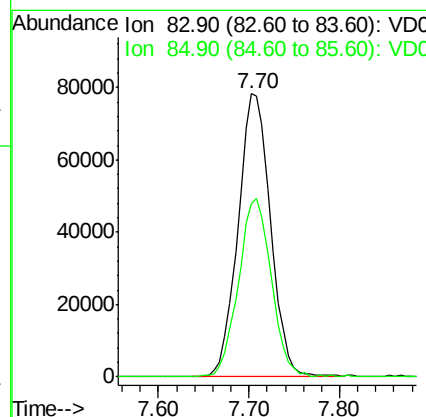
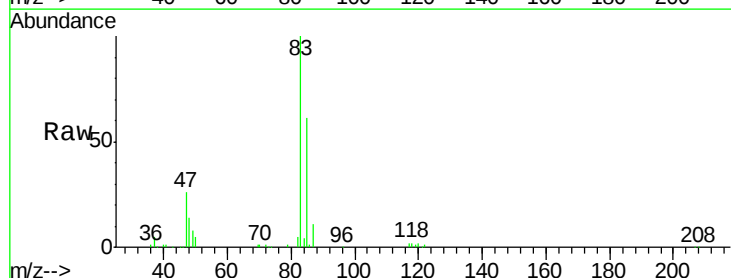
Manual Integrations
APPROVED

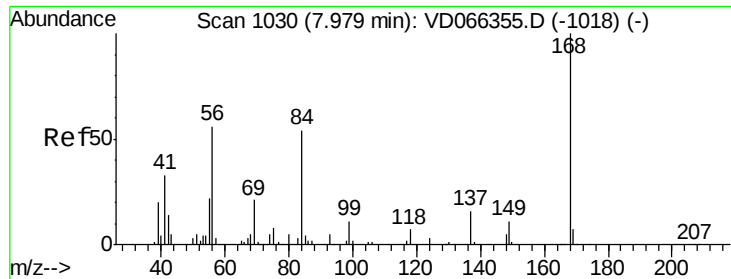
MMDadoda
8/24/2020 4:37:15 PM



#30
Chloroform
Concen: 56.630 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.3	75.5





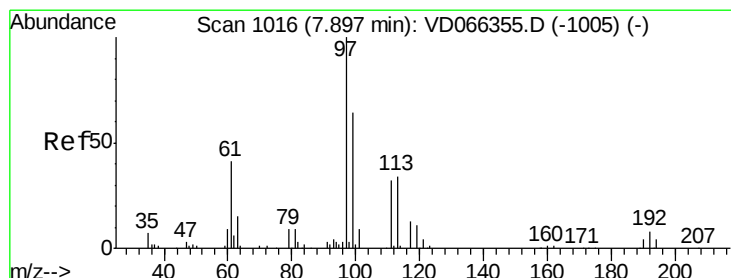
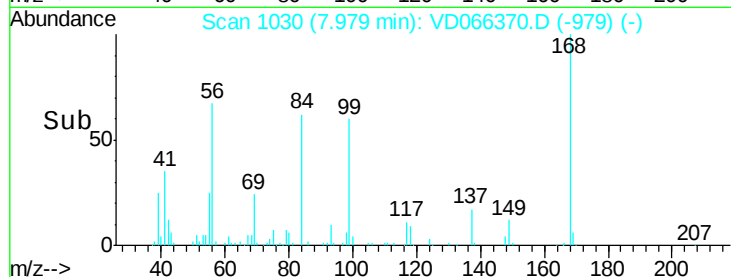
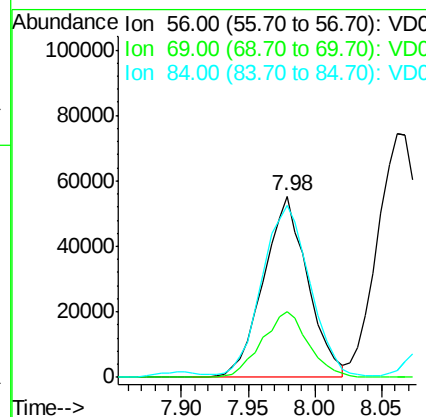
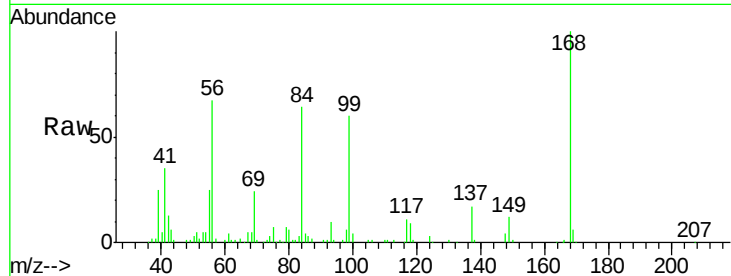
#31
Cyclohexane
Concen: 46.775 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	29.6	44.4
84	92.6	76.6	115.0

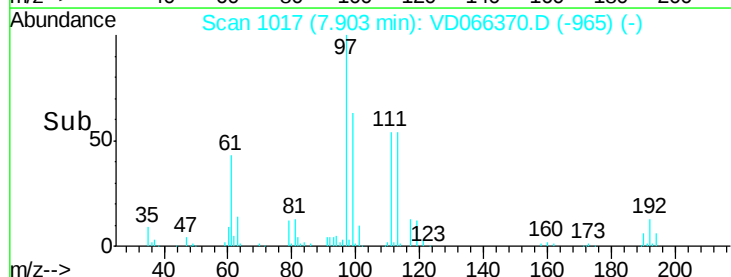
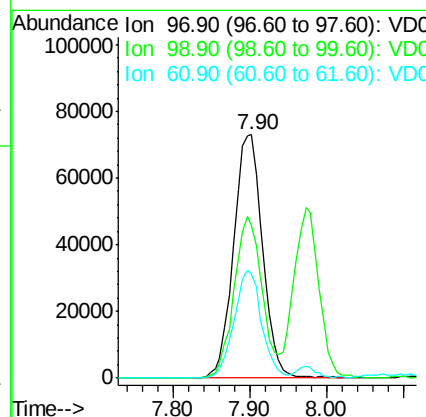
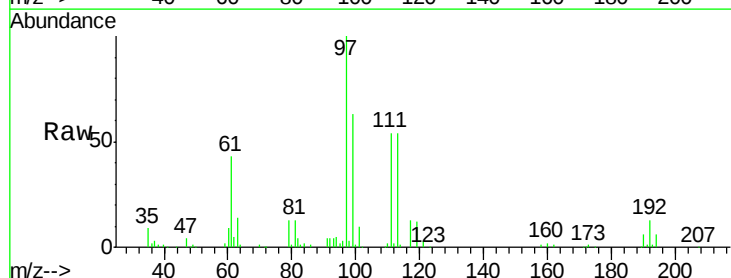
Manual Integrations
APPROVED

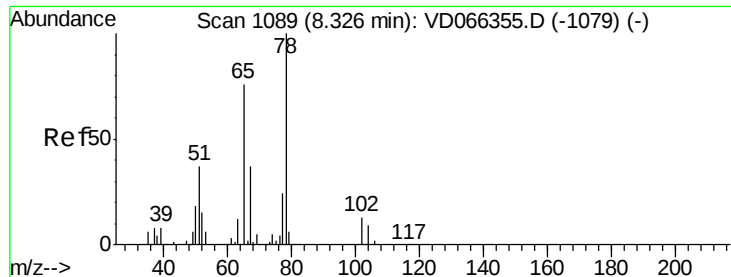
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#32
1,1,1-Trichloroethane
Concen: 54.739 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	42.0	33.3	49.9





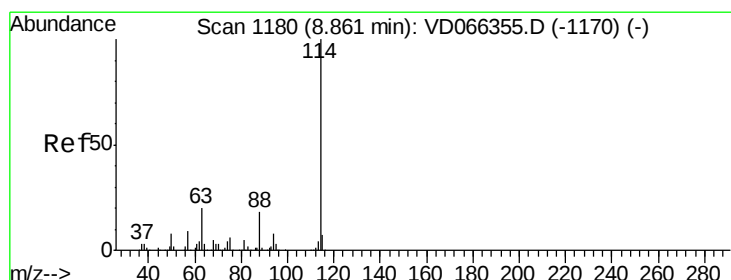
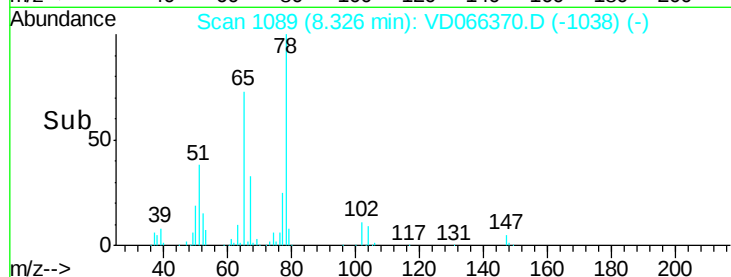
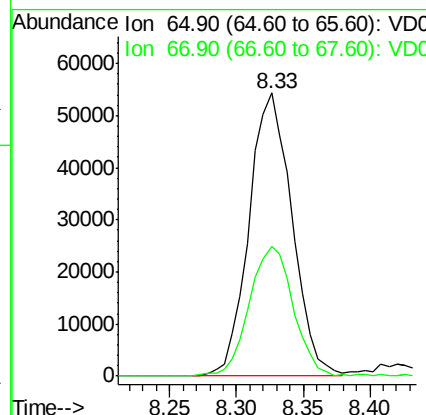
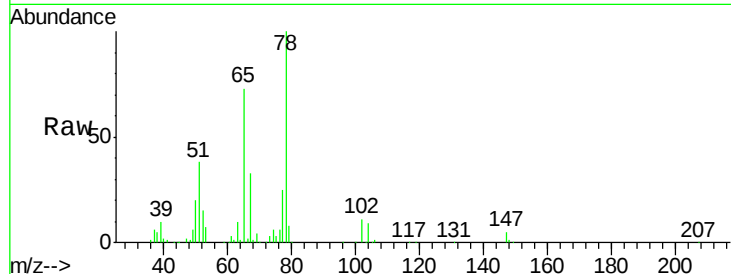
#33
 1,2-Dichloroethane-d4
 Concen: 61.935 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.7	0.0	101.6	

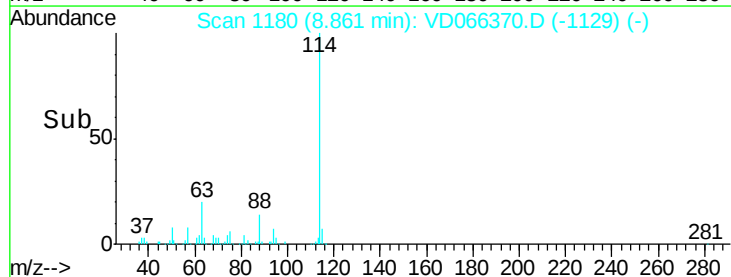
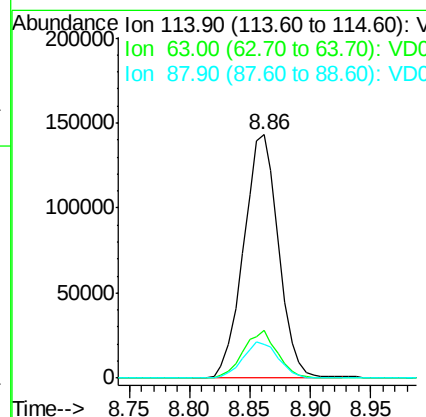
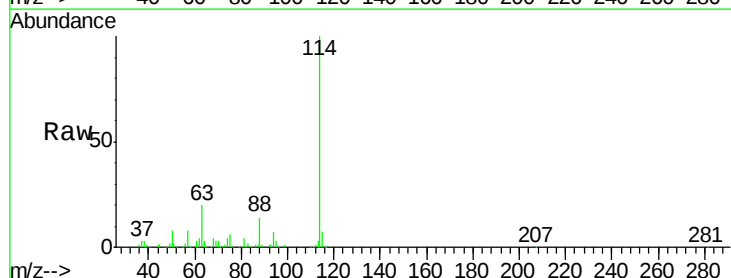
Manual Integrations
 APPROVED

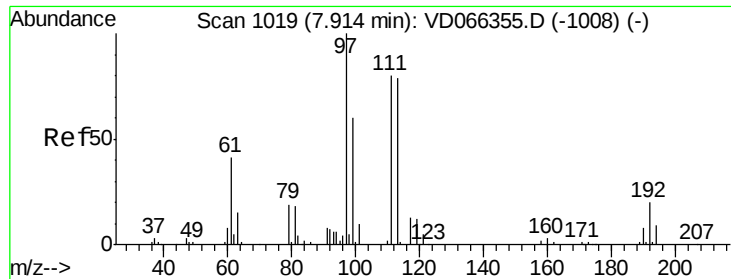
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 8/24/2020 4:37:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.8	
88	14.1	0.0	35.4	





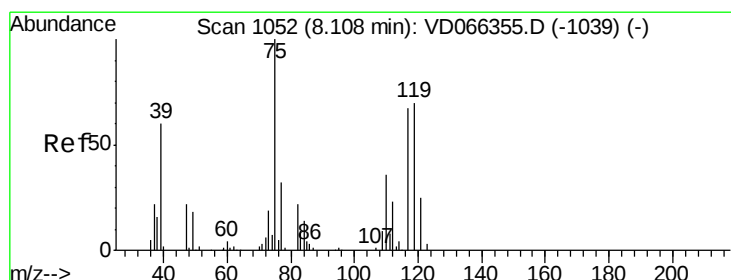
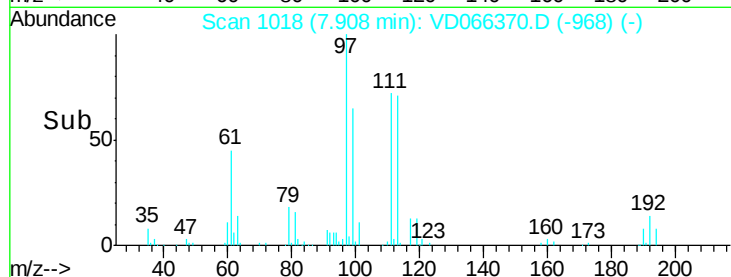
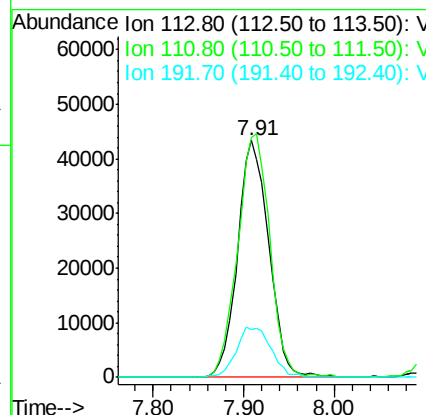
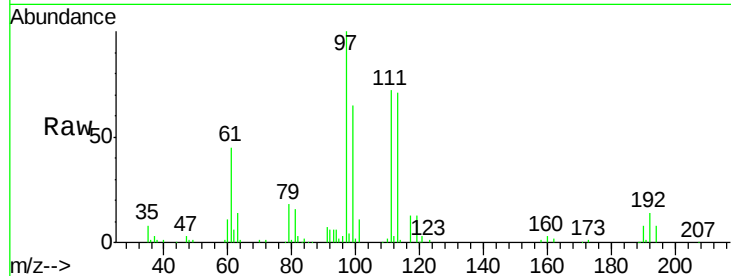
#35
 Dibromofluoromethane
 Concen: 57.563 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104228		
111	104.8	80.3	120.5	
192	23.5	19.0	28.6	

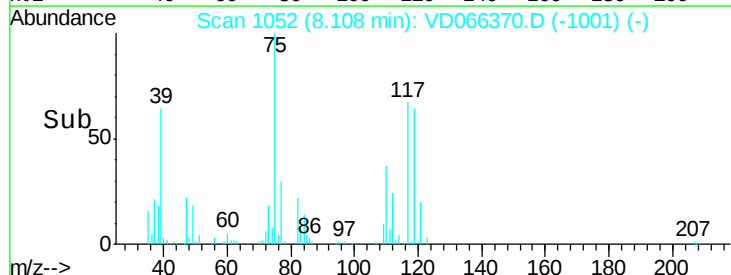
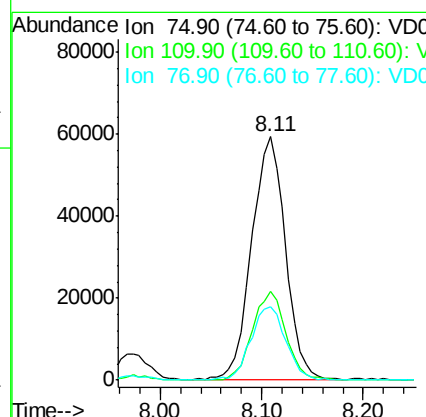
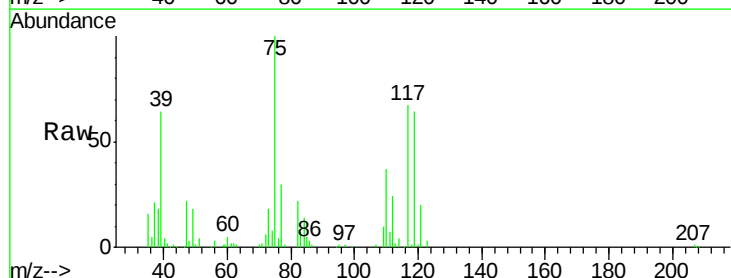
Manual Integrations
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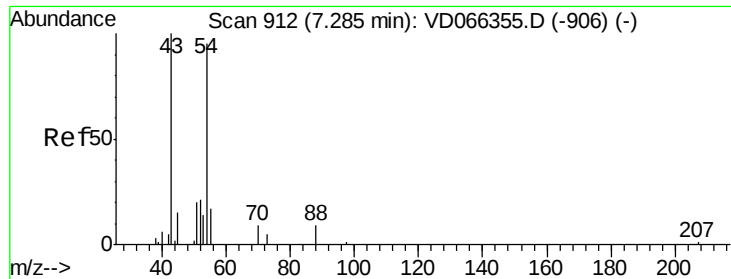
MMDadoda
 8/24/2020 4:37:15 PM



#36
 1,1-Dichloropropene
 Concen: 52.123 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137716		
110	35.9	18.7	56.1	
77	31.3	25.2	37.8	





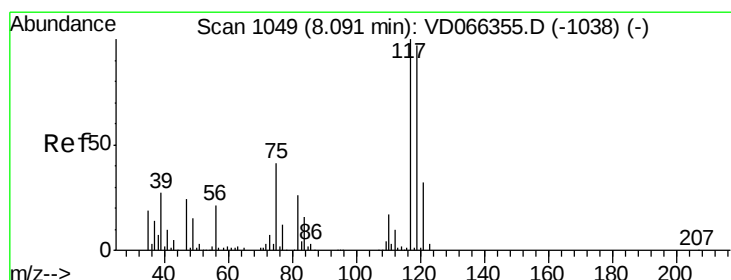
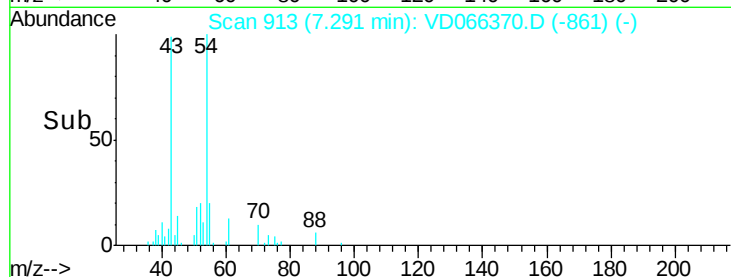
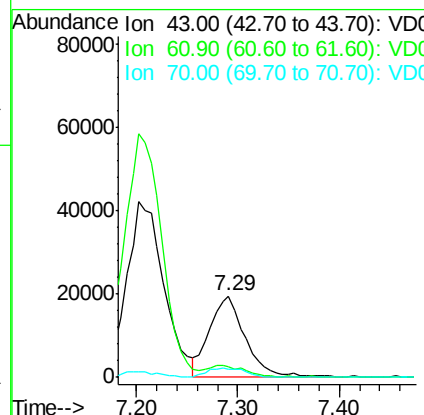
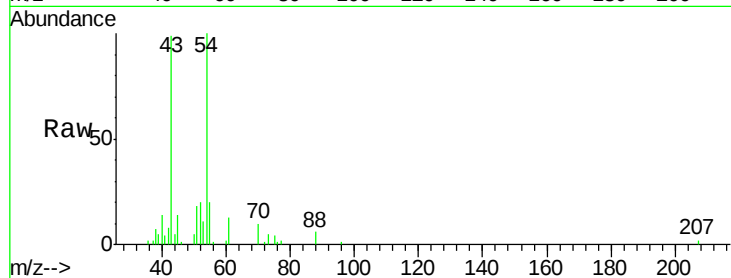
#37
Ethyl Acetate
Concen: 53.615 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	13.3	19.9
70	12.2	3.5	5.3

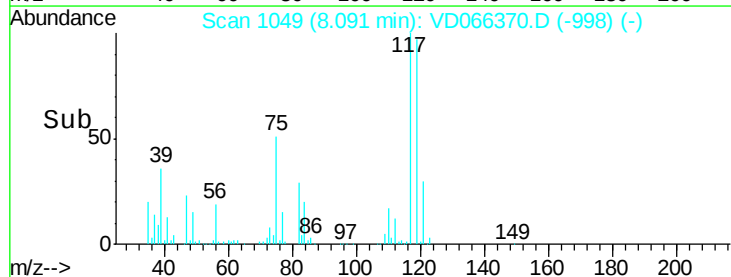
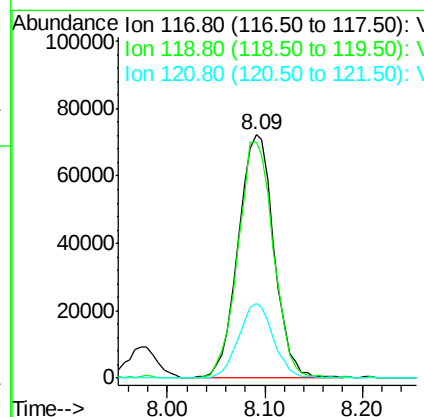
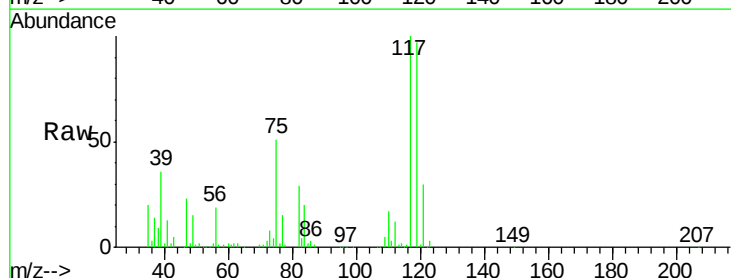
Manual Integrations
APPROVED

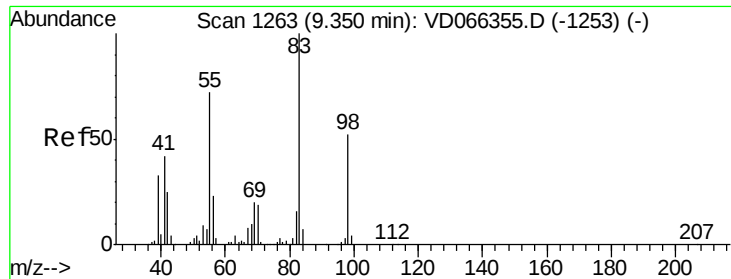
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#38
Carbon Tetrachloride
Concen: 53.669 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	30.4	25.8	38.8





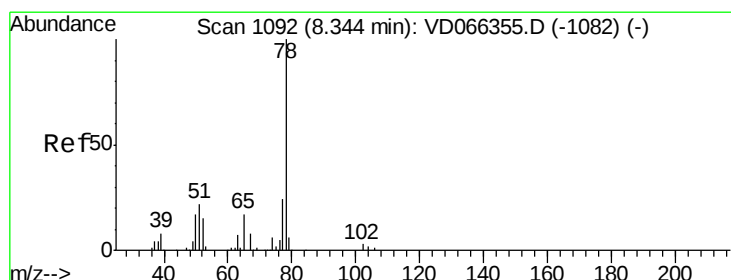
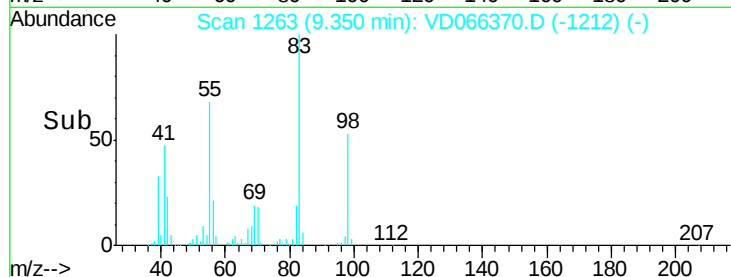
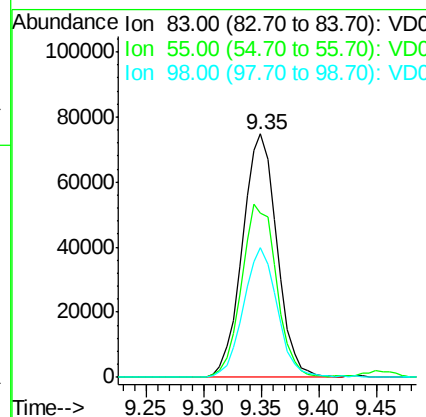
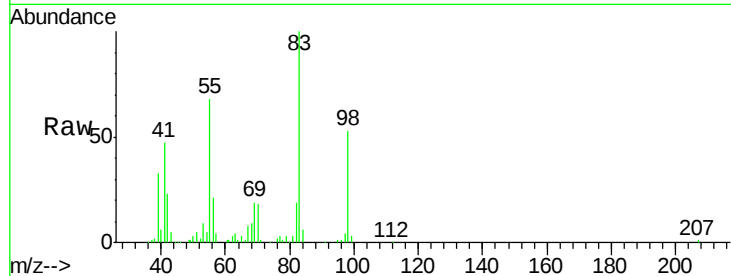
#39
Methvlcvclohexane
Concen: 50.011 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	58.0	87.0
98	53.0	41.9	62.9

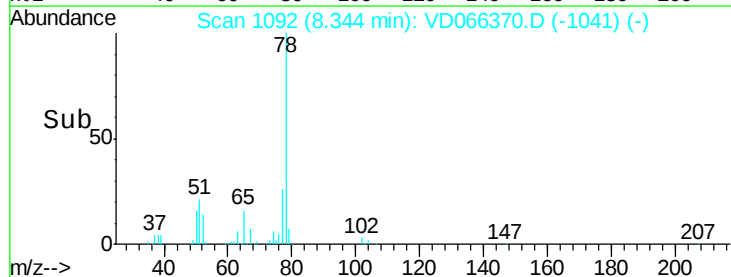
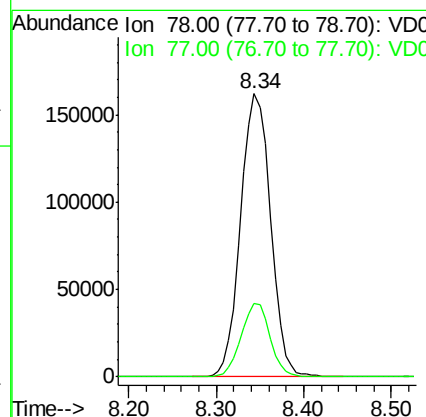
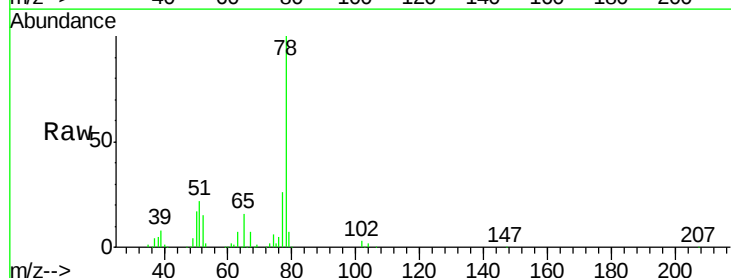
Manual Integrations
APPROVED

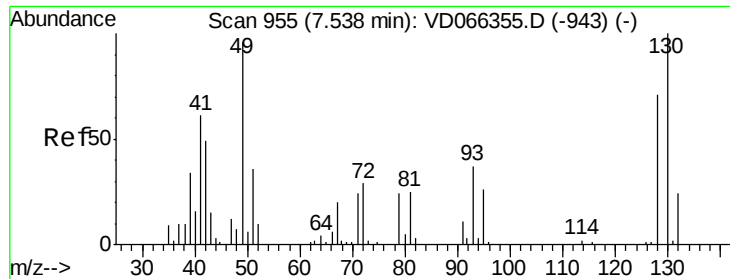
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#40
Benzene
Concen: 53.940 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.8	28.2





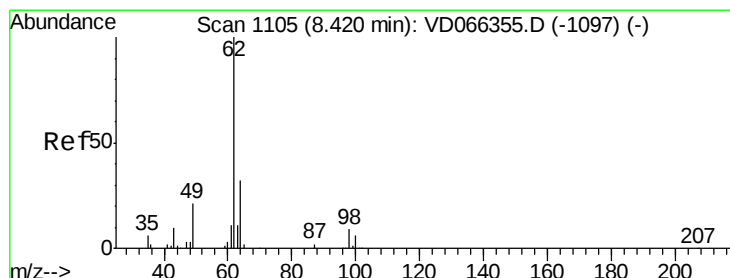
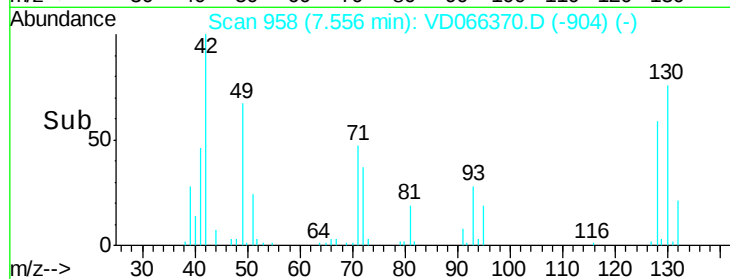
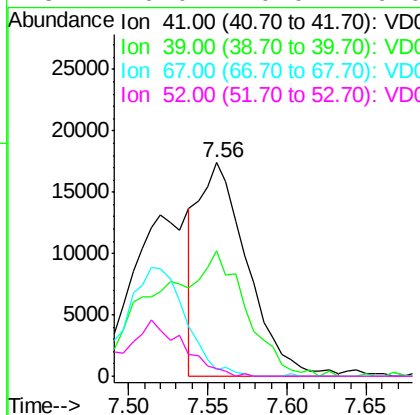
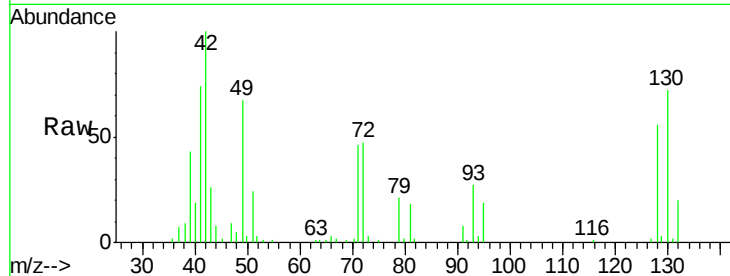
#41
Methacrylonitrile
Concen: 67.379 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	110.6	51.8	77.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

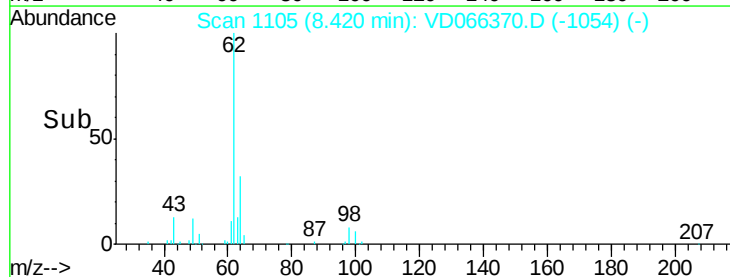
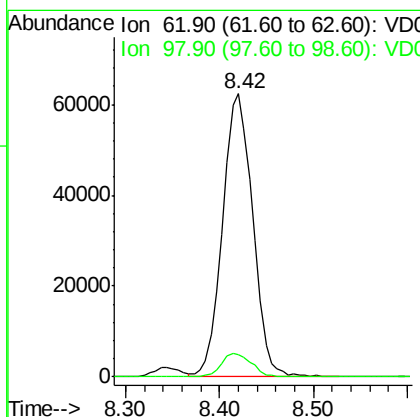
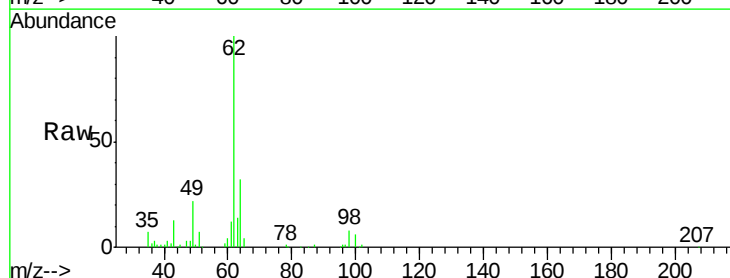
Manual Integrations
APPROVED

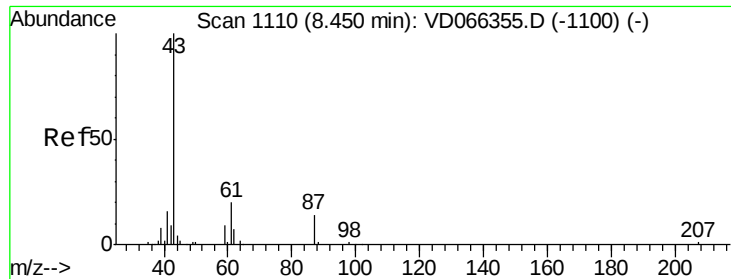
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#42
1,2-Dichloroethane
Concen: 57.094 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





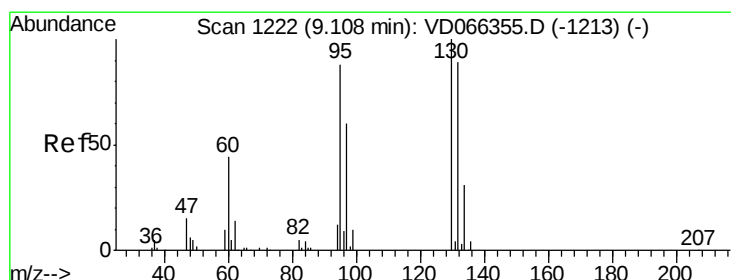
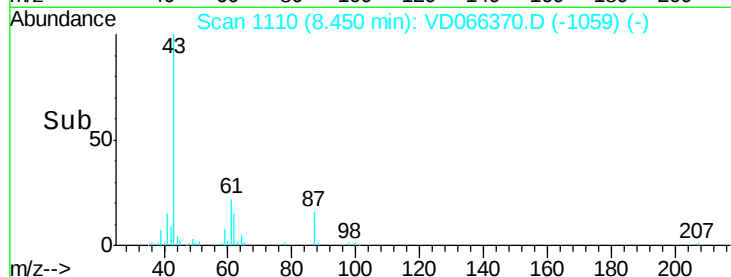
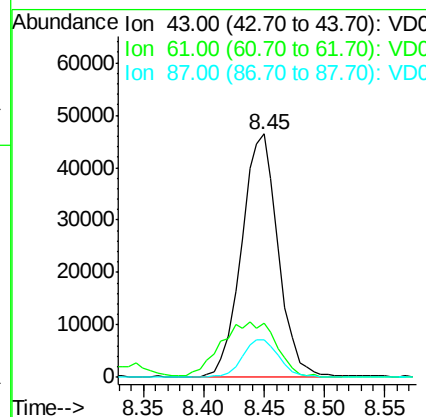
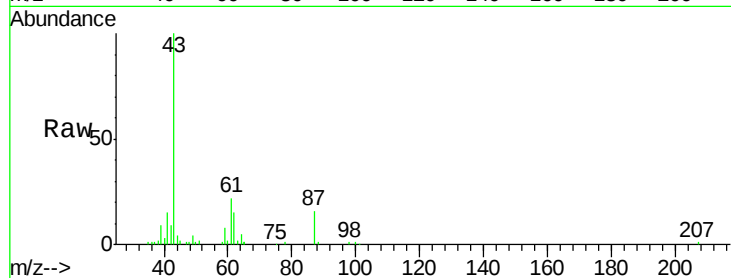
#43
Isopropyl Acetate
Concen: 54.283 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	26.5	39.7
87	15.4	11.9	17.9

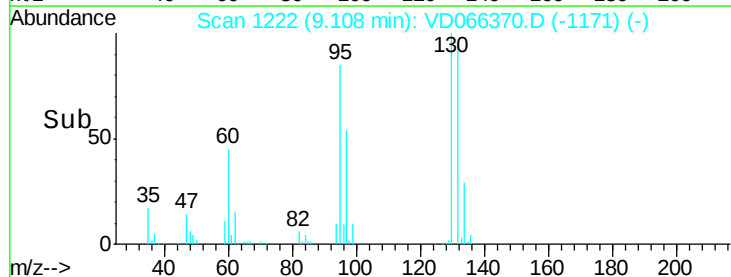
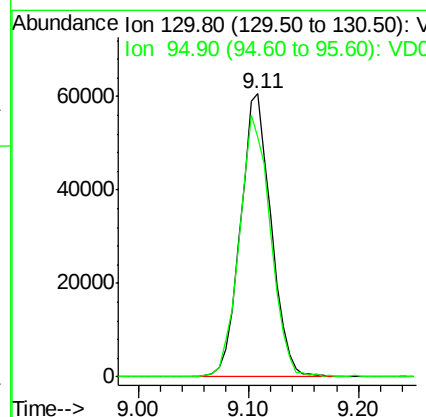
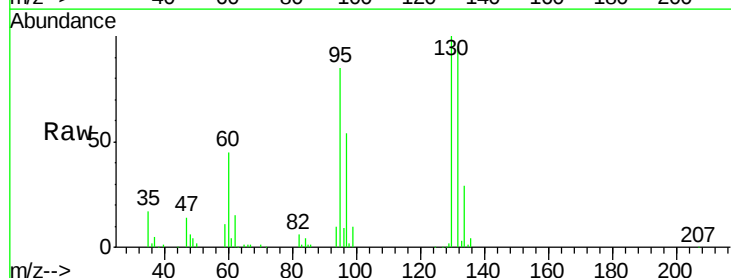
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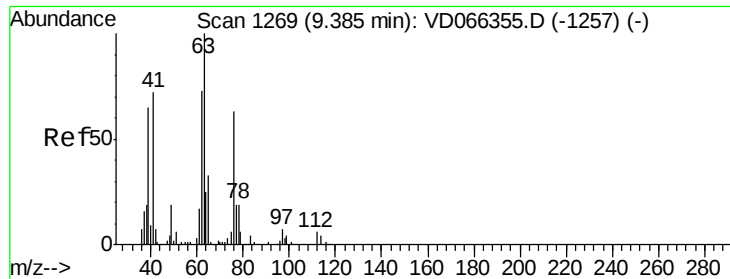
MMDadoda
8/24/2020 4:37:15 PM



#44
Trichloroethene
Concen: 52.442 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.6	0.0	175.6





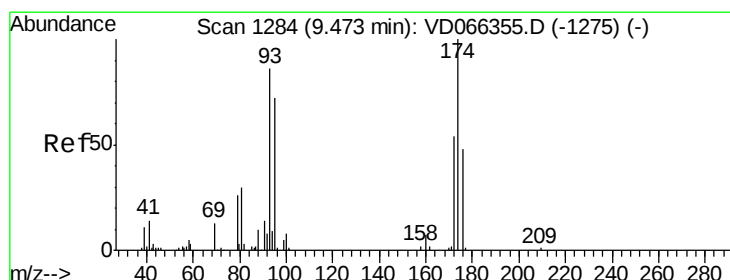
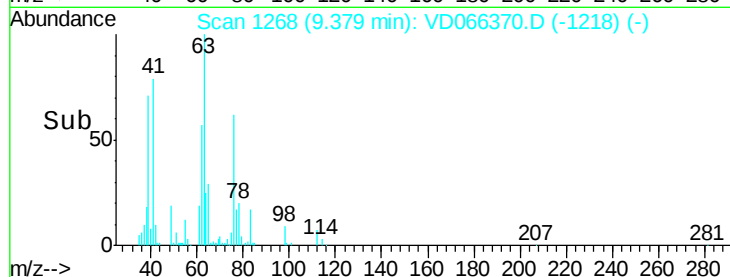
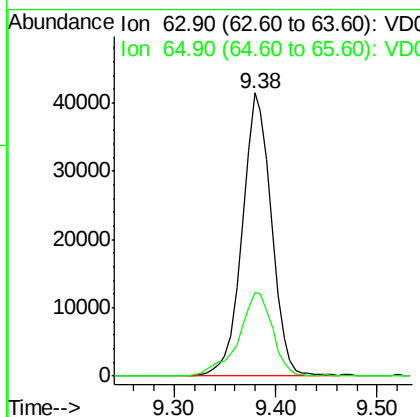
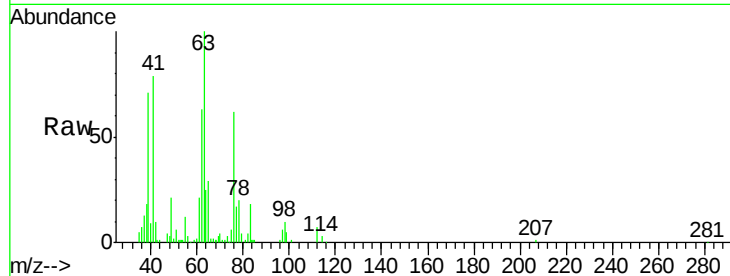
#45
 1,2-Dichloropropane
 Concen: 52.578 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	26.4	39.6

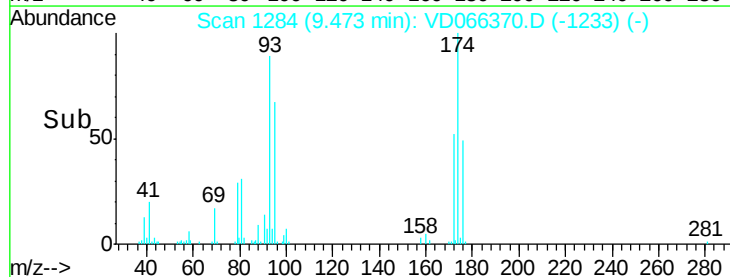
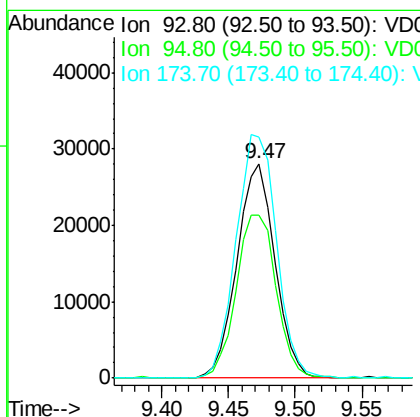
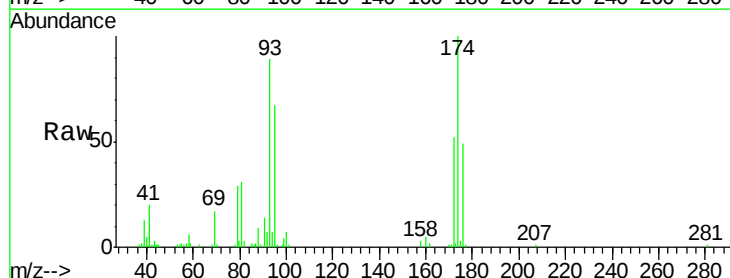
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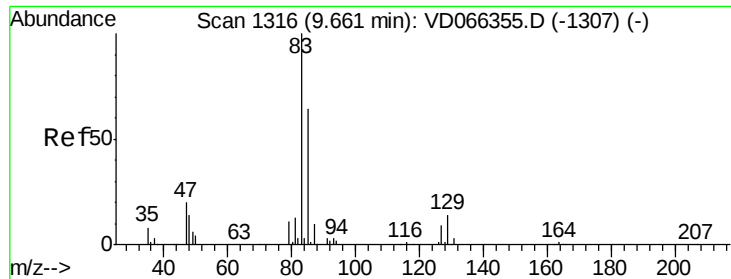
MMDadoda
 8/24/2020 4:37:15 PM



#46
 Dibromomethane
 Concen: 56.508 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	66.0	99.0
174	120.7	94.6	141.8





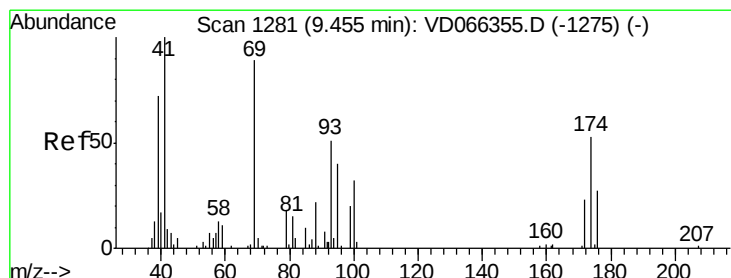
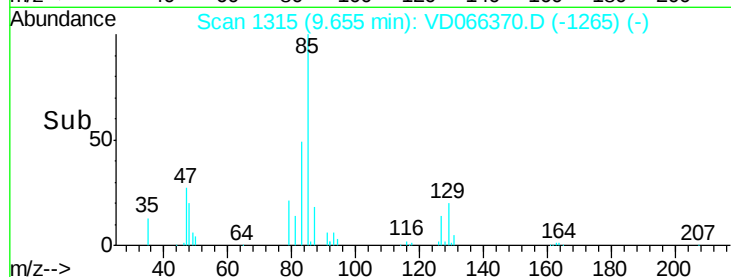
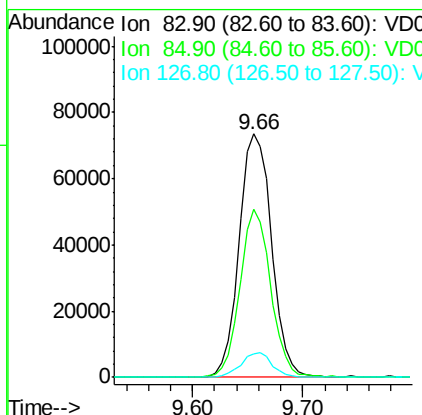
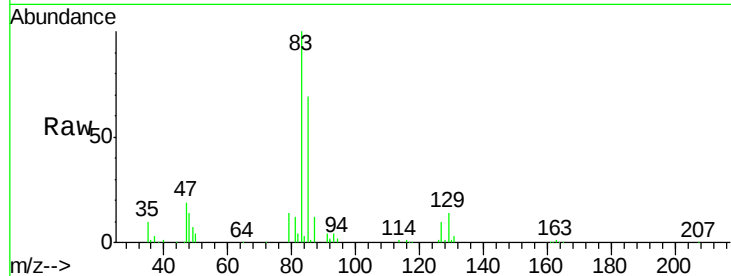
#47
Bromodichloromethane
Concen: 56.440 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	152278		
85	68.9		51.4	77.0
127	9.6		7.4	11.0

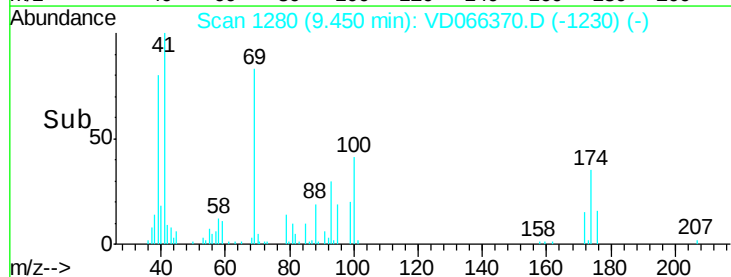
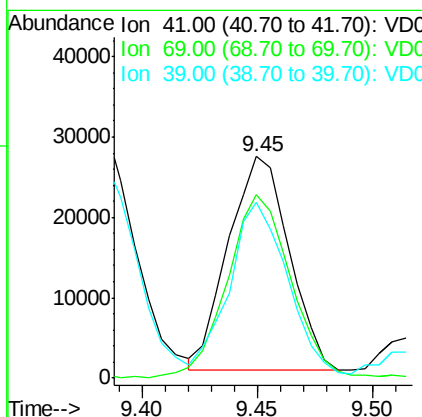
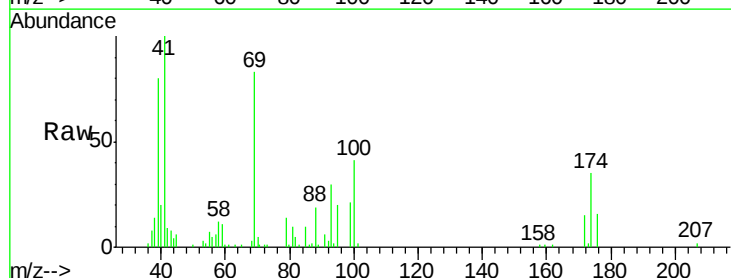
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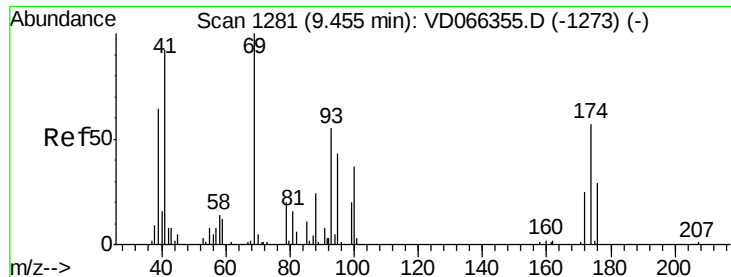
MMDadoda
8/24/2020 4:37:15 PM



#48
Methyl methacrylate
Concen: 52.357 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	48697		
69	90.7		75.5	113.3
39	76.4		57.0	85.4





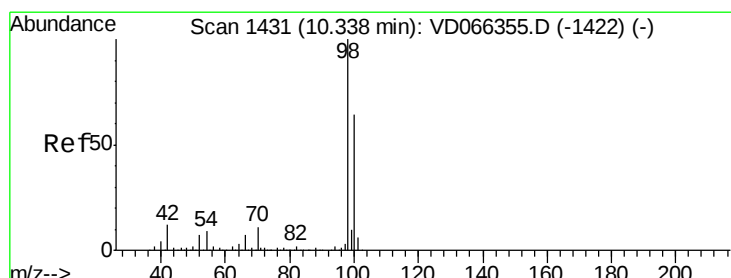
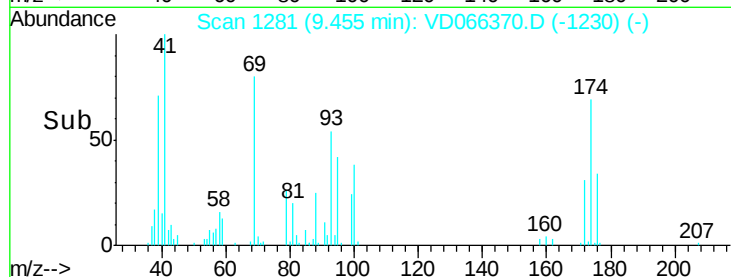
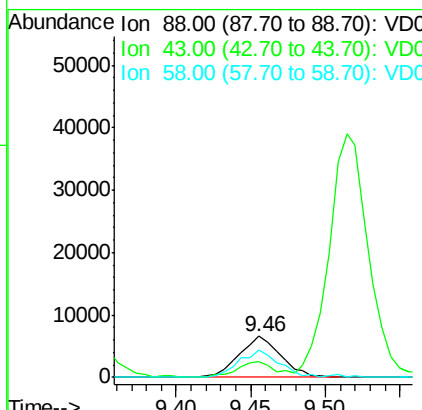
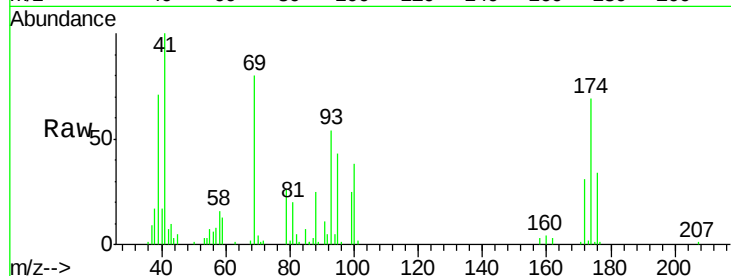
#49
1,4-Dioxane
Concen: 1116.667 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	12721		
43	36.4	29.4	44.0	
58	63.4	45.4	68.2	

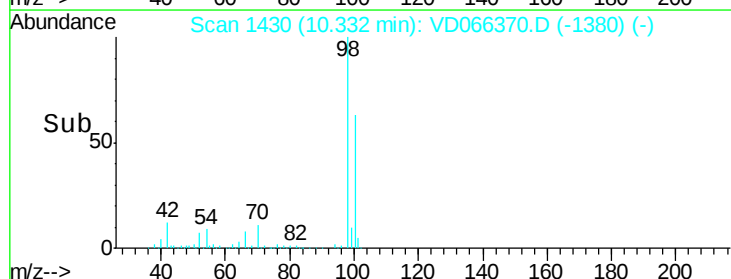
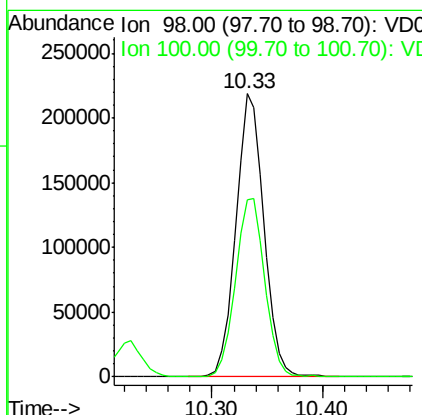
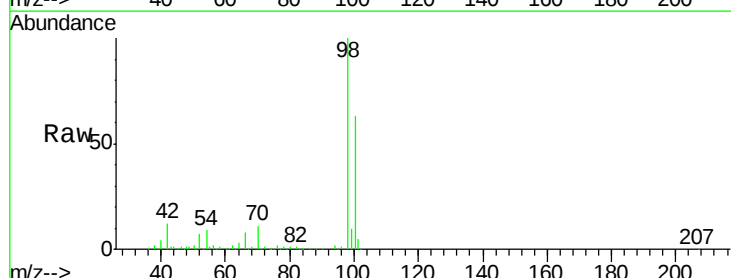
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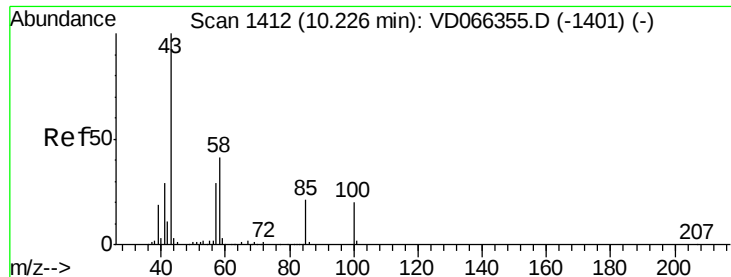
MMDadoda
8/24/2020 4:37:15 PM



#50
Toluene-d8
Concen: 58.821 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	389696		
100	65.9	53.0	79.4	





#51

4-Methyl-2-Pentanone

Concen: 276.178 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 240977

Ion Ratio Lower Upper

43 100

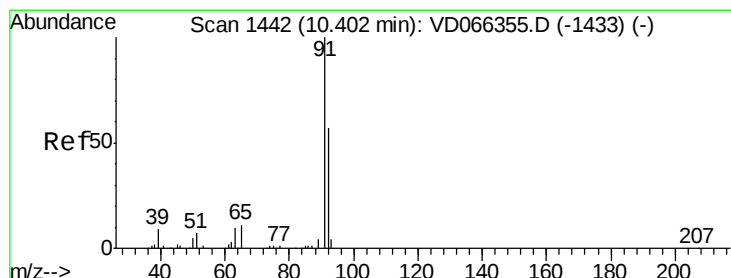
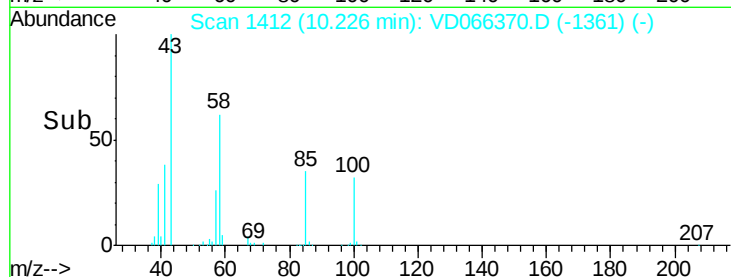
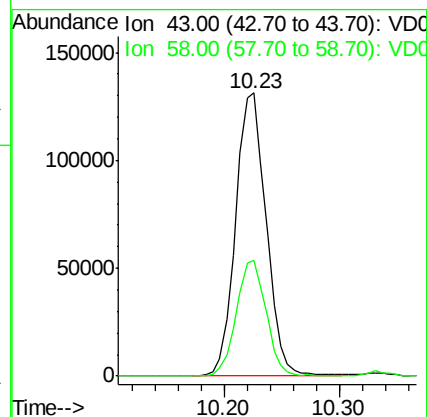
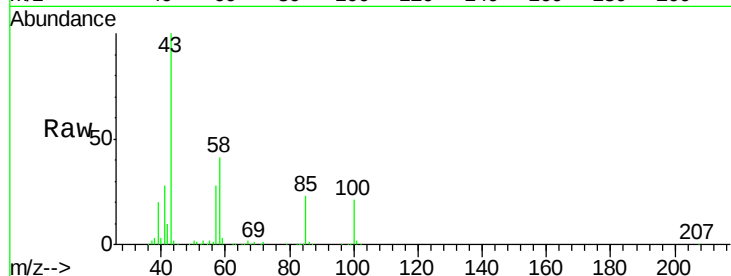
58 39.8 31.4 47.2

Manual Integrations

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8/24/2020 4:37:15 PM



#52

Toluene

Concen: 54.673 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066370.D

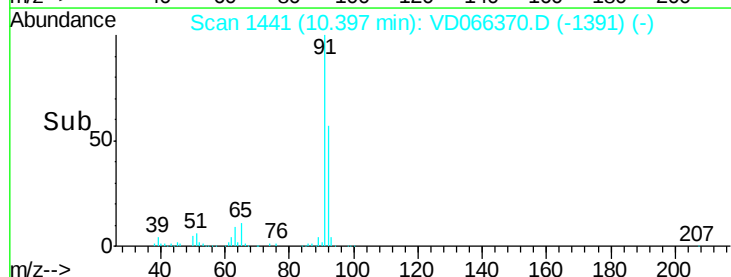
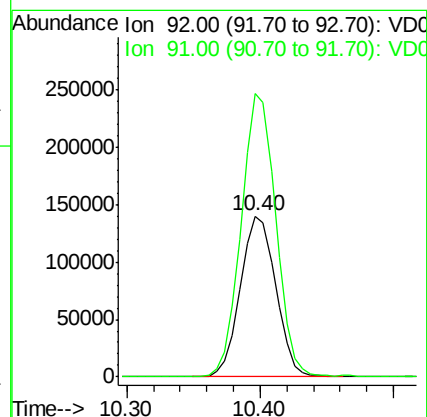
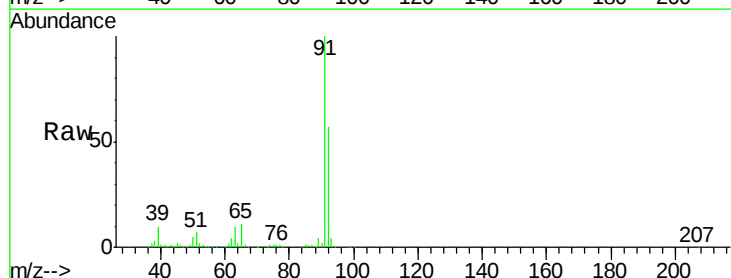
Acq: 21 Aug 2020 20:09

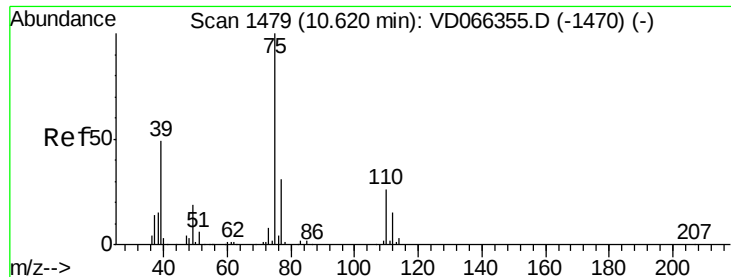
Tgt Ion: 92 Resp: 257456

Ion Ratio Lower Upper

92 100

91 172.5 135.8 203.6





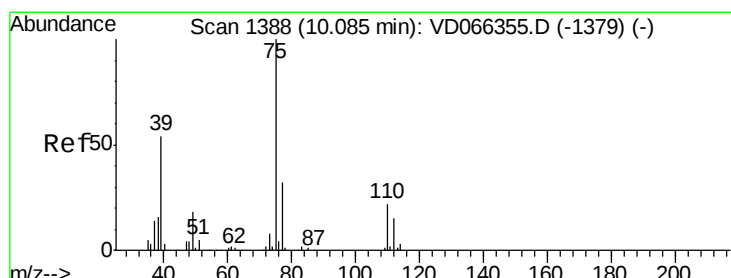
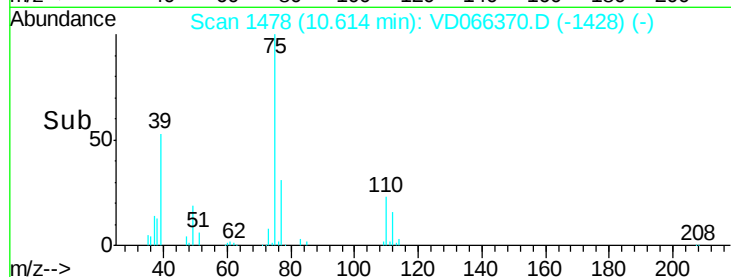
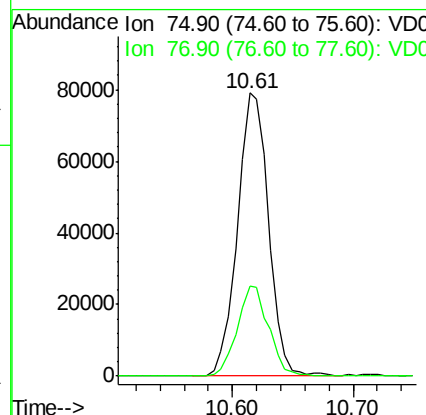
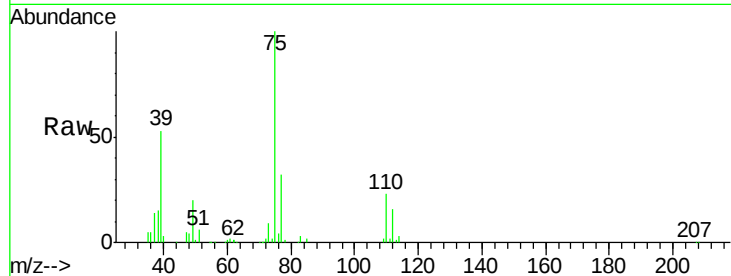
#53
t-1,3-Dichloropropene
Concen: 55.435 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141919
Ion Ratio Lower Upper
75 100
77 31.6 24.5 36.7

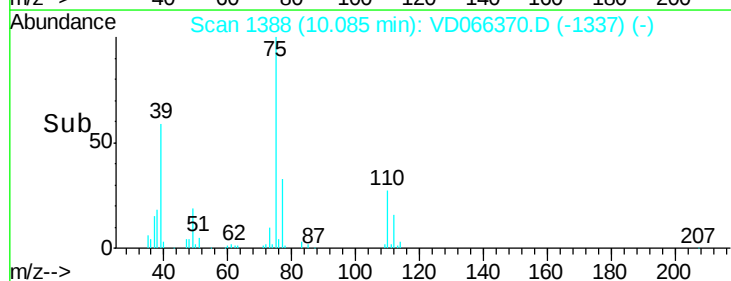
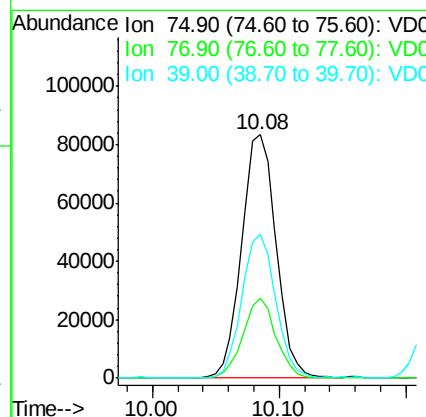
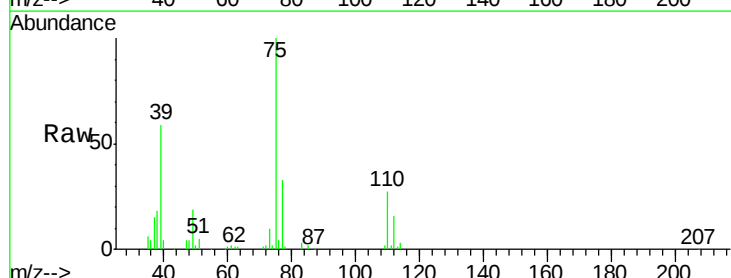
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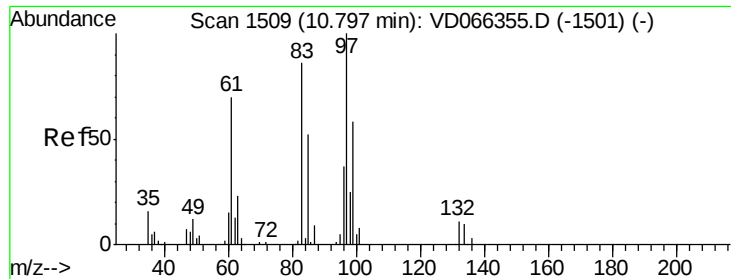
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.877 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion: 75 Resp: 157696
Ion Ratio Lower Upper
75 100
77 32.9 25.6 38.4
39 59.0 43.4 65.0





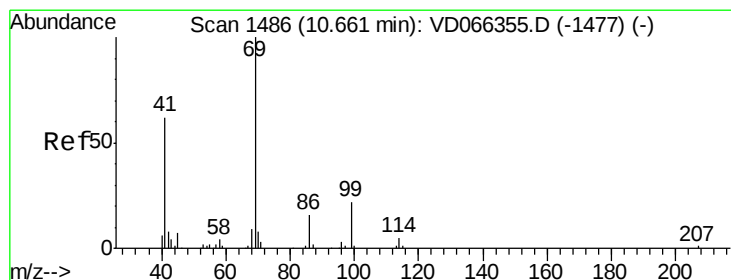
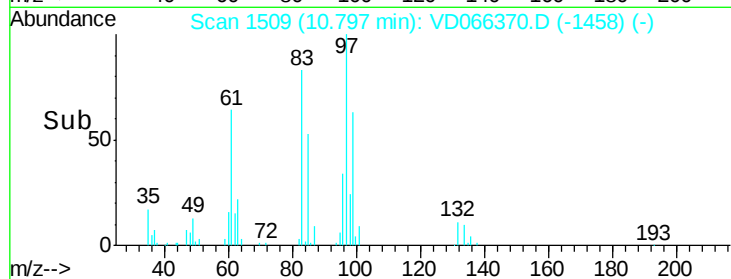
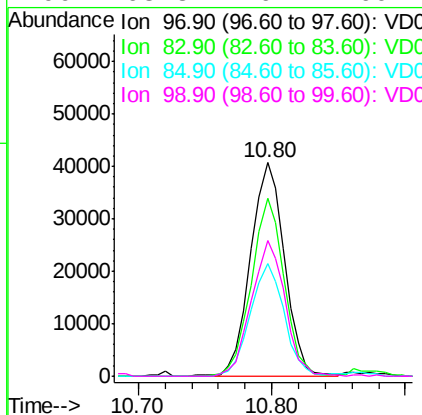
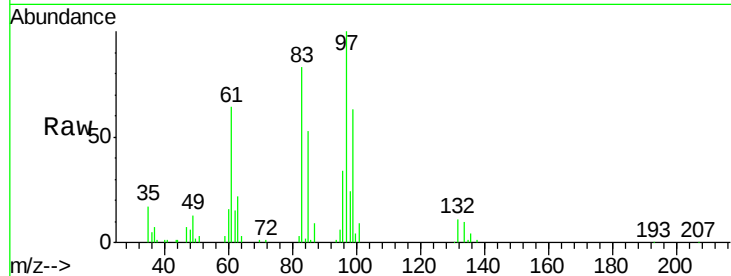
#55
 1,1,2-Trichloroethane
 Concen: 53.951 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71656
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.4	102.6
85	52.8	41.3	61.9
99	63.3	46.1	69.1

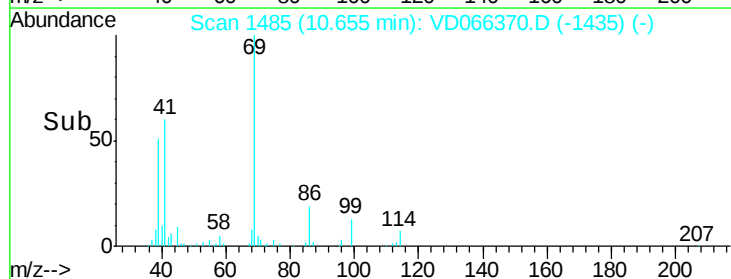
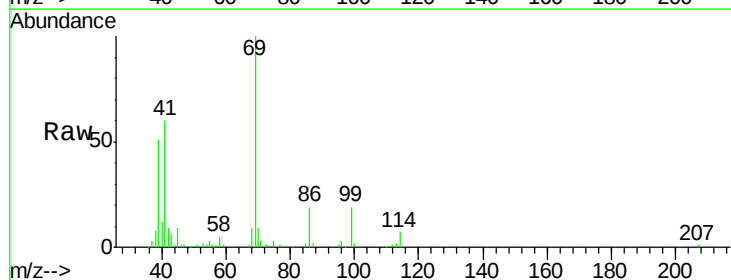
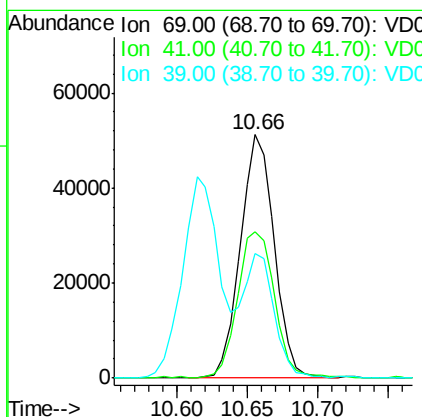
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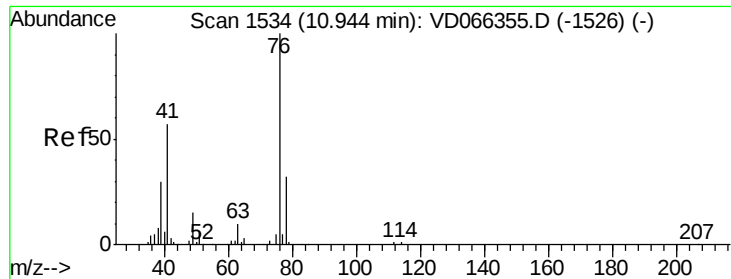
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 8/24/2020 4:37:15 PM



#56
 Ethyl methacrylate
 Concen: 55.823 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion:	69	Resp:	85829
Ion	Ratio	Lower	Upper
69	100		
41	66.0	50.8	76.2
39	47.9	32.9	49.3





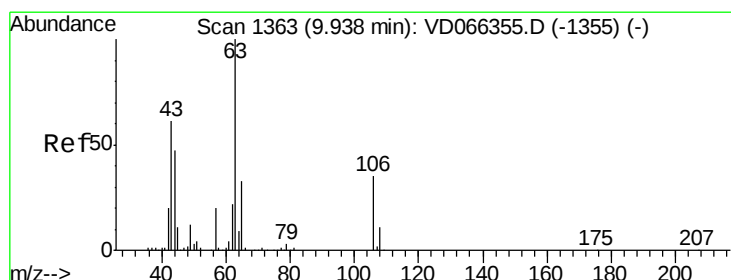
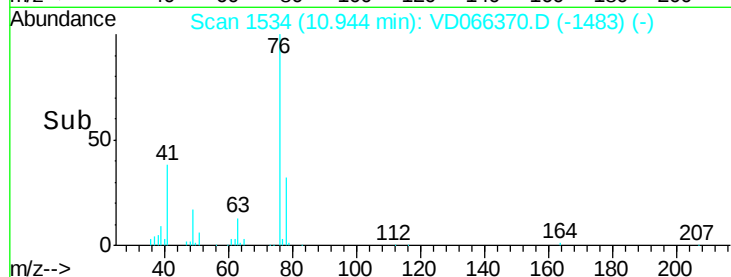
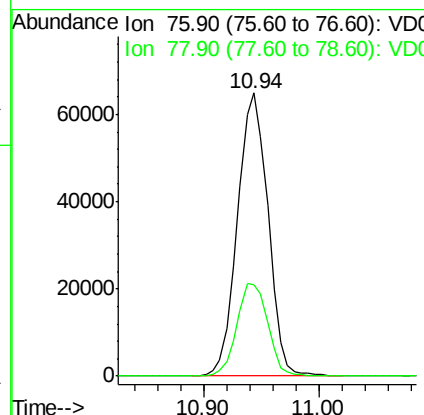
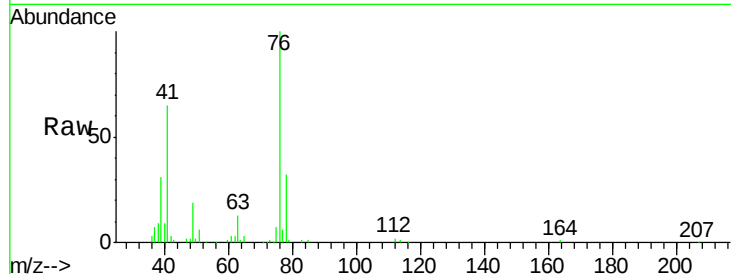
#57
 1,3-Dichloropropane
 Concen: 54.147 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 118956
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4

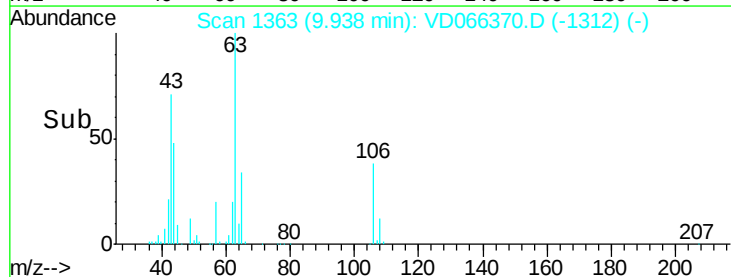
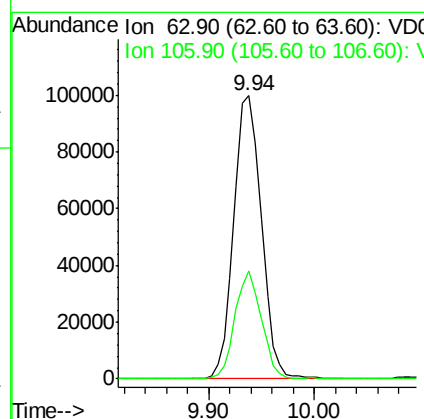
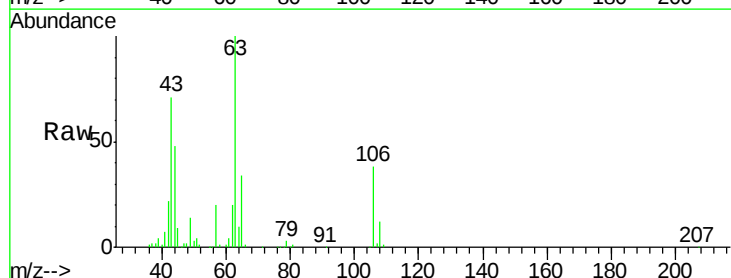
Manual Integrations
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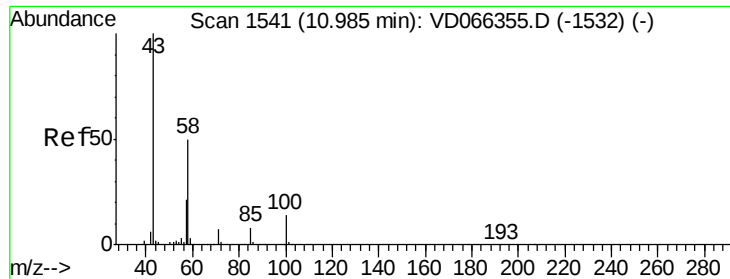
MMDadoda
 8/24/2020 4:37:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.185 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion: 63 Resp: 180833
 Ion Ratio Lower Upper
 63 100
 106 36.4 27.1 40.7





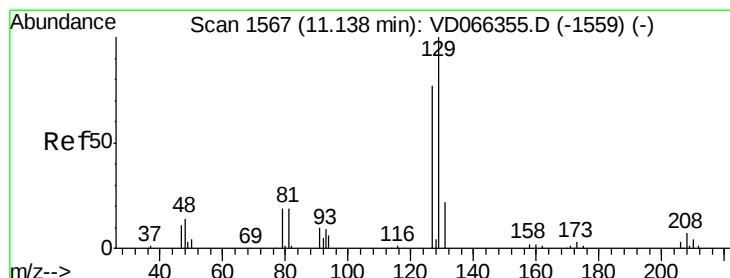
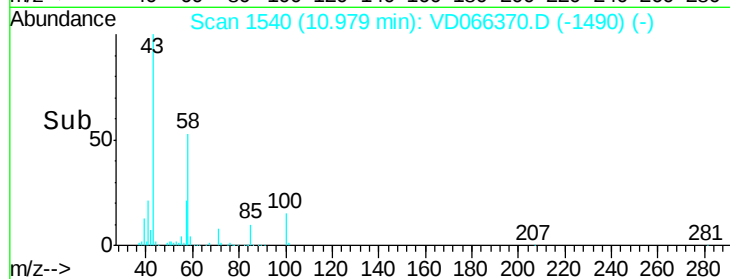
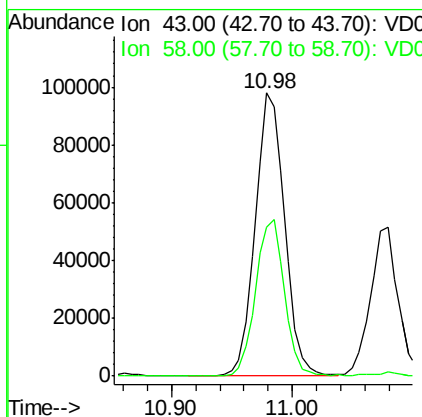
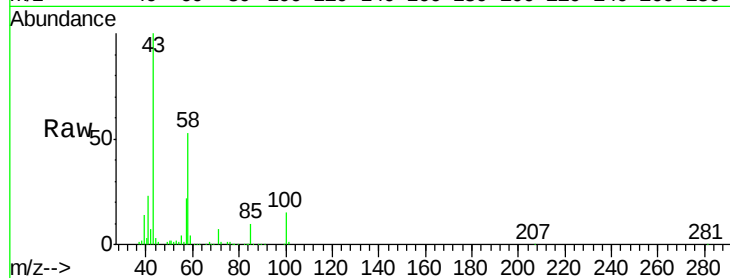
#59
2-Hexanone
Concen: 271.564 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	167137
Ion Ratio	Lower	Upper	
43	100		
58	54.3	26.3	78.8

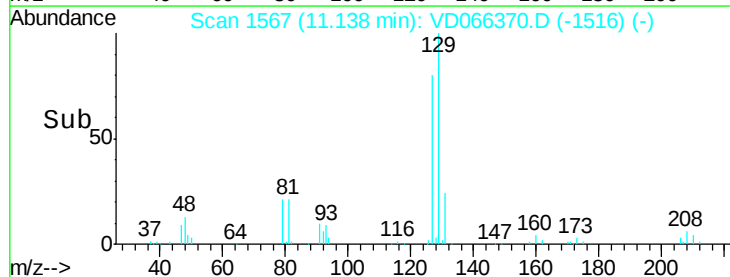
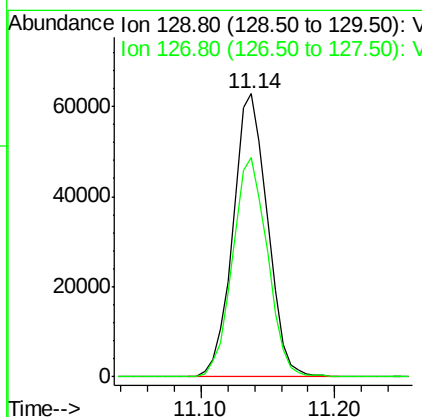
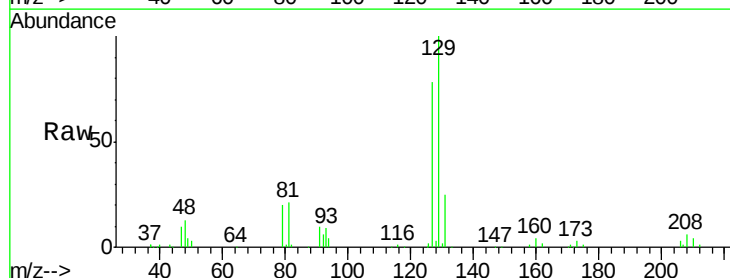
Manual Integrations
APPROVED

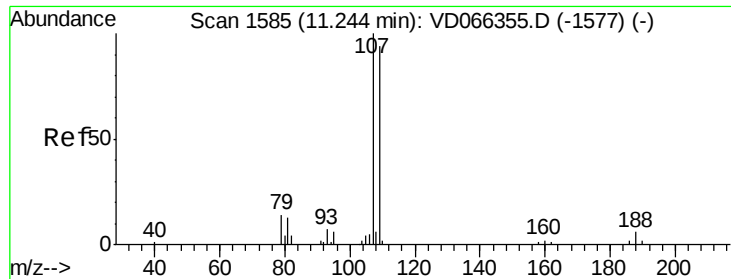
MMDadoda
8/24/2020 4:37:15 PM



#60
Dibromochloromethane
Concen: 56.113 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	129	Resp	112339
Ion Ratio	Lower	Upper	
129	100		
127	78.6	39.0	117.0





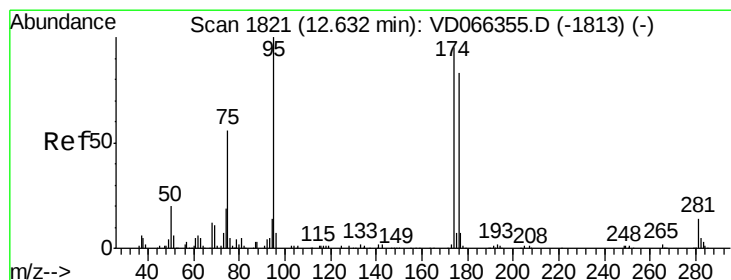
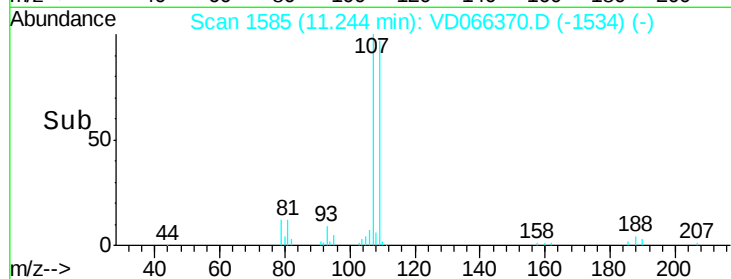
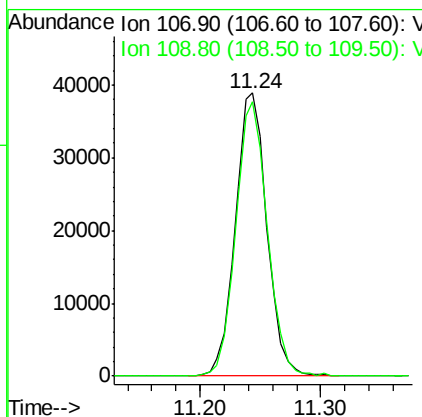
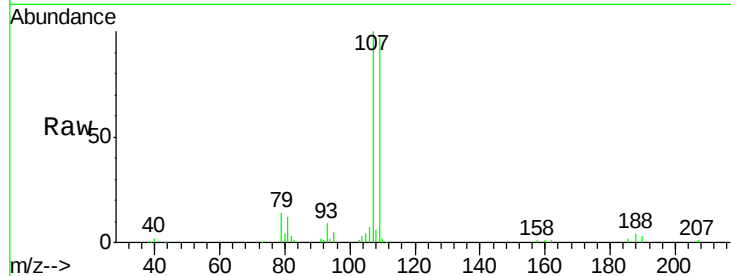
#61
 1,2-Dibromoethane
 Concen: 54.117 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 70734
 Ion Ratio Lower Upper
 107 100
 109 96.6 77.8 116.8

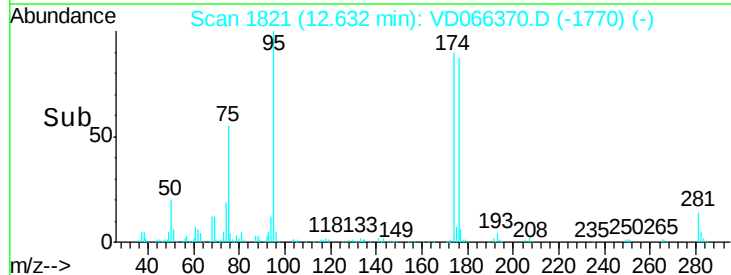
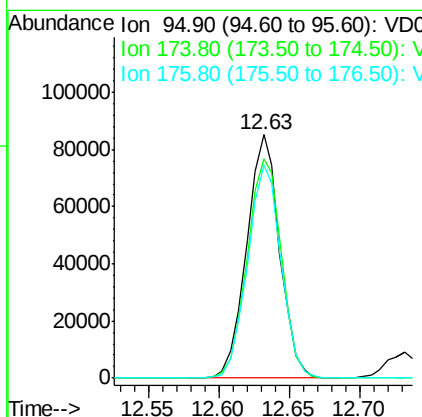
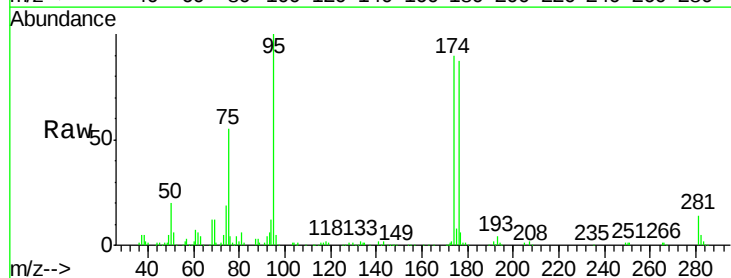
Manual Integrations
 APPROVED

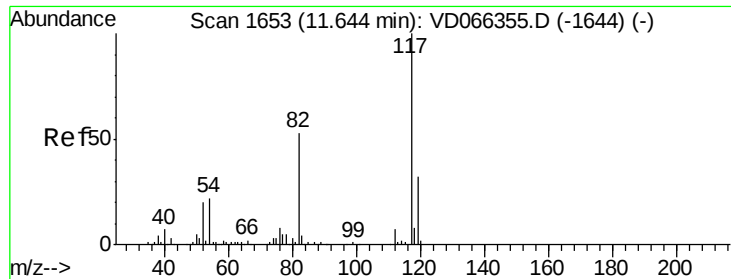
MMDadoda
 8/24/2020 4:37:15 PM



#62
 4-Bromofluorobenzene
 Concen: 59.247 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion: 95 Resp: 139280
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 183.4
 176 89.3 0.0 173.8





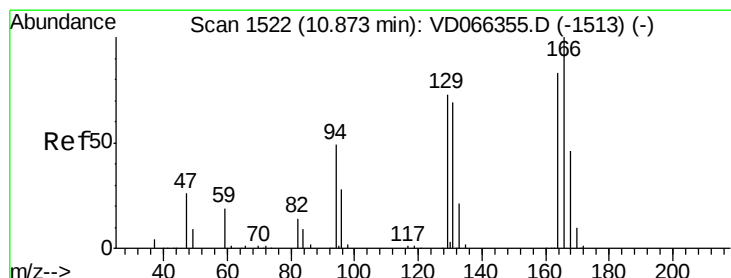
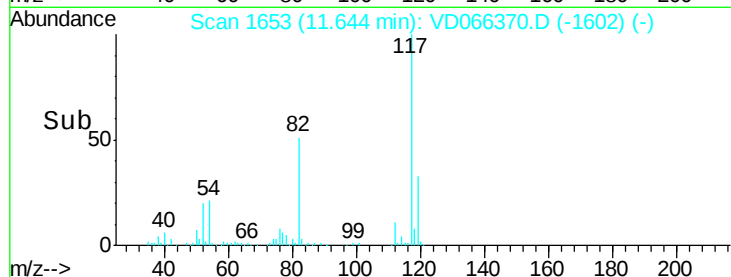
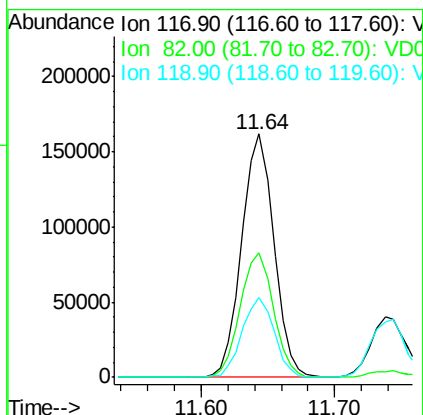
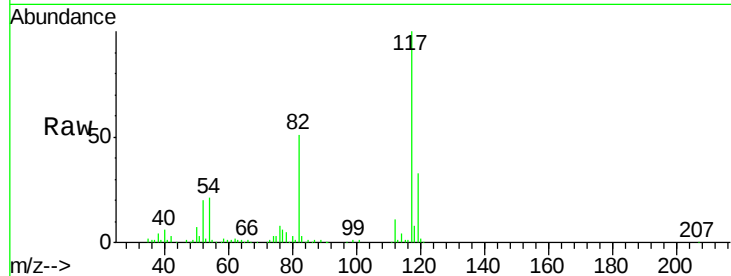
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	32.7	25.8	38.8

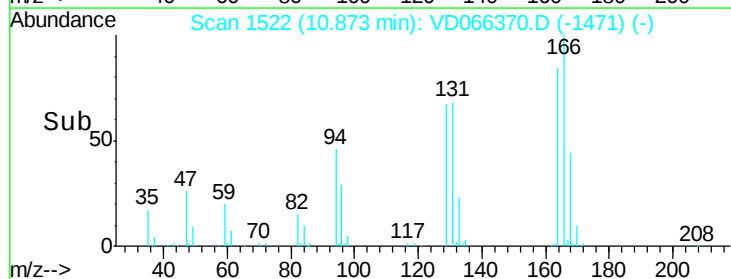
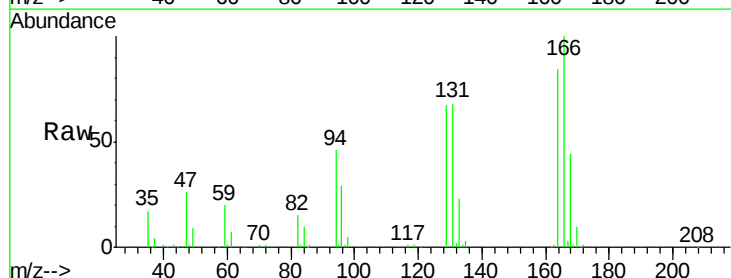
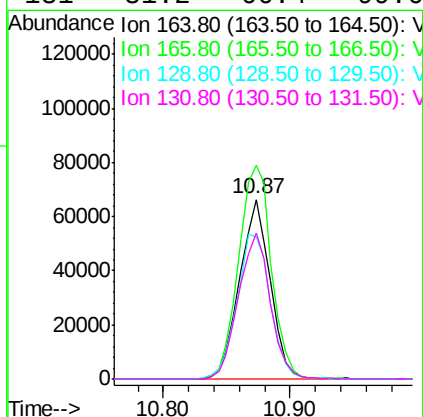
Manual Integrations
APPROVED

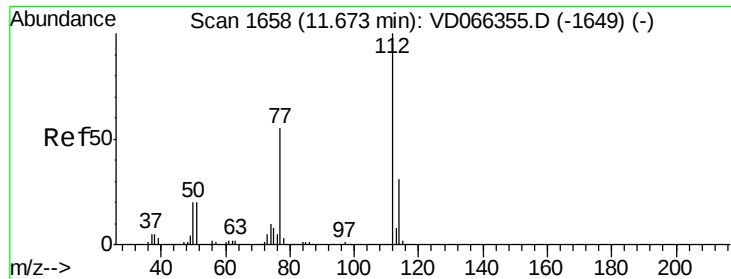
MMDadoda
8/24/2020 4:37:15 PM



#64
Tetrachloroethene
Concen: 54.020 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	96.2	144.4
129	79.4	70.3	105.5
131	81.2	66.4	99.6





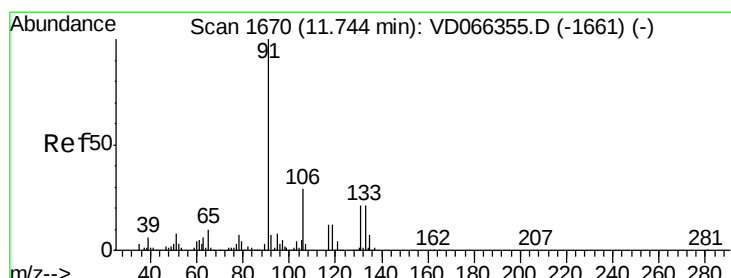
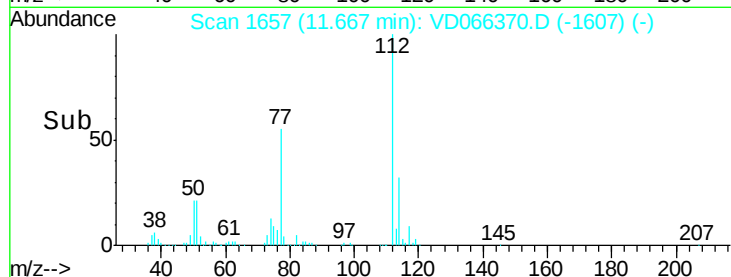
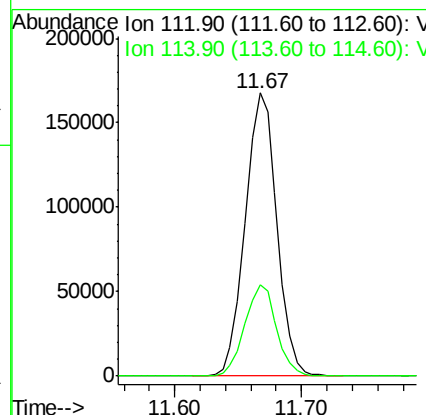
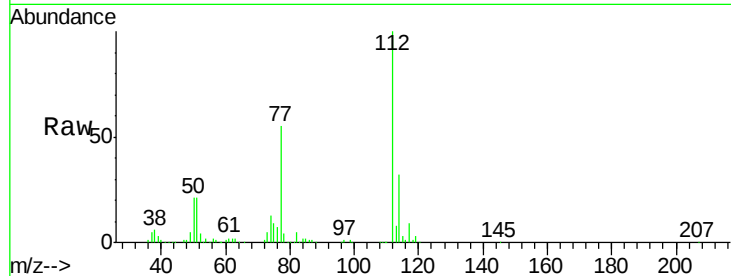
#65
Chlorobenzene
Concen: 53.792 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	290115		
114	32.1	25.1	37.7	

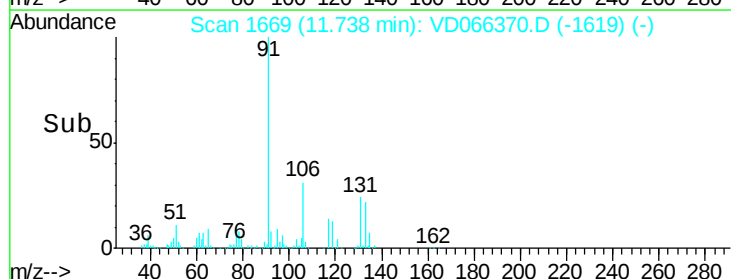
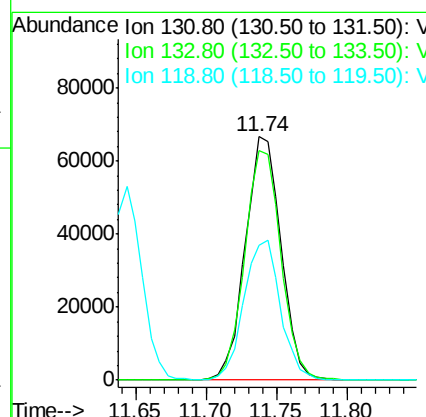
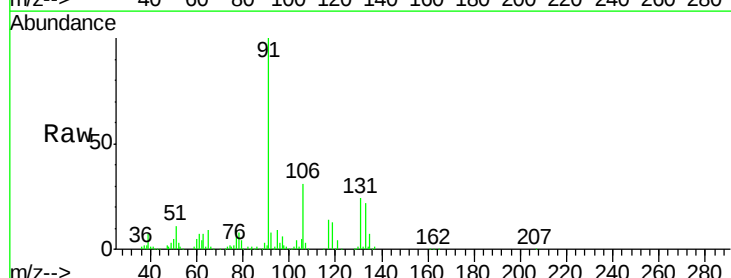
Manual Integrations
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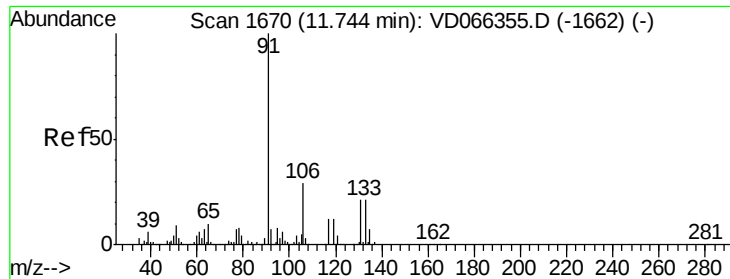
MMDadoda
8/24/2020 4:37:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.728 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	118420		
133	95.9	48.6	145.9	
119	58.8	29.0	87.1	





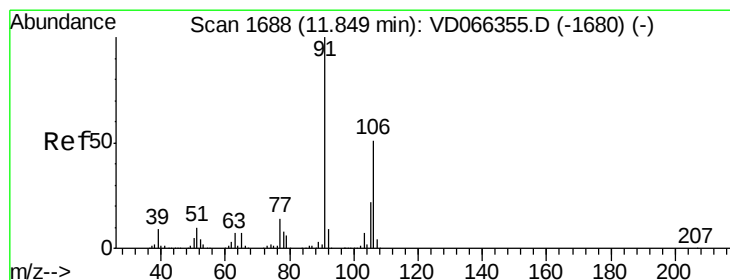
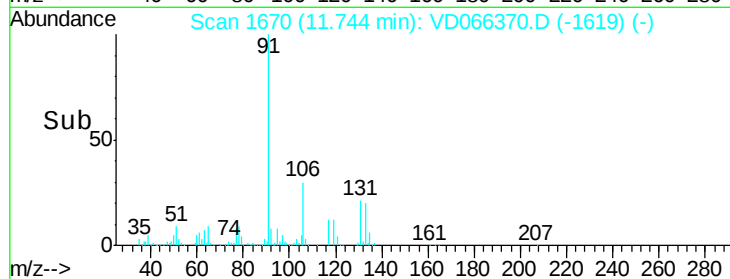
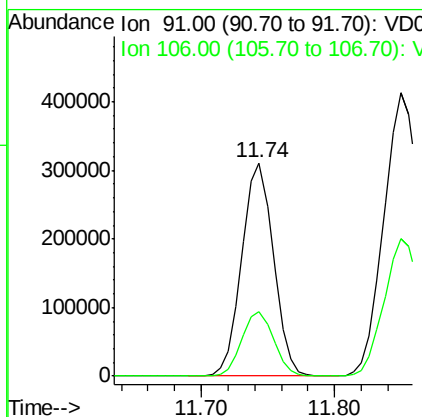
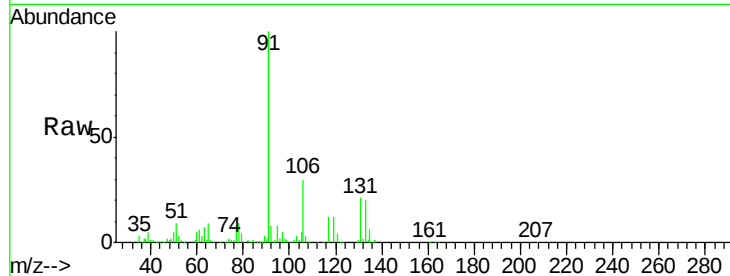
#67
Ethyl Benzene
Concen: 53.862 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.4	35.2

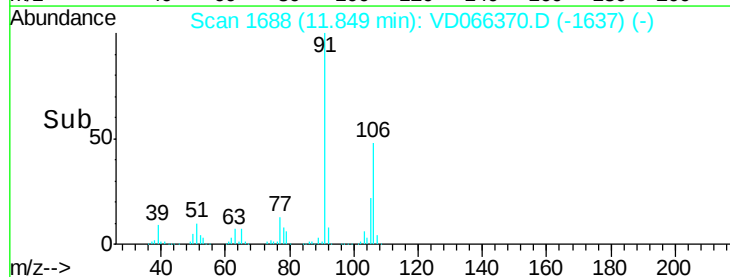
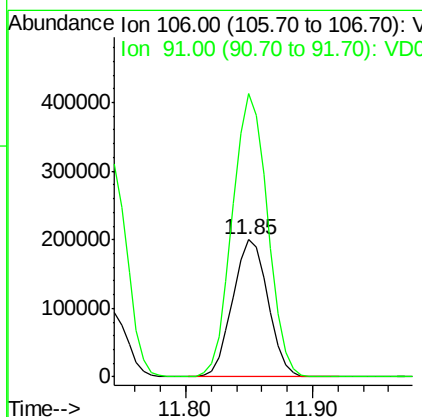
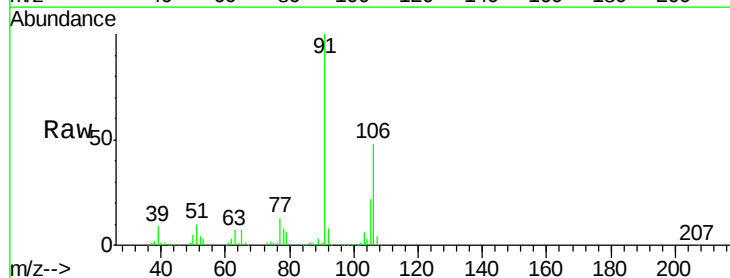
Manual Integrations
APPROVED

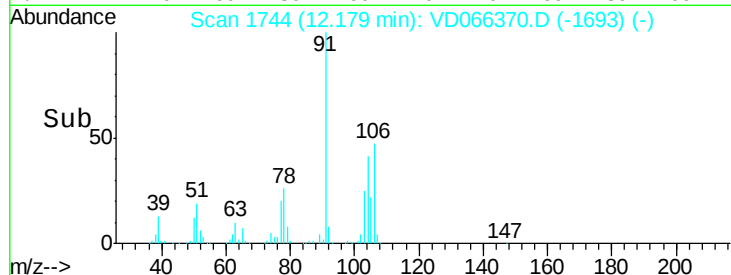
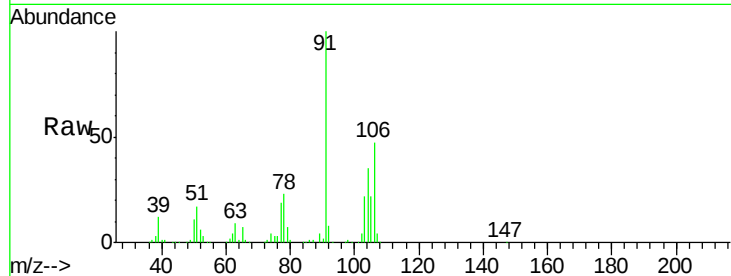
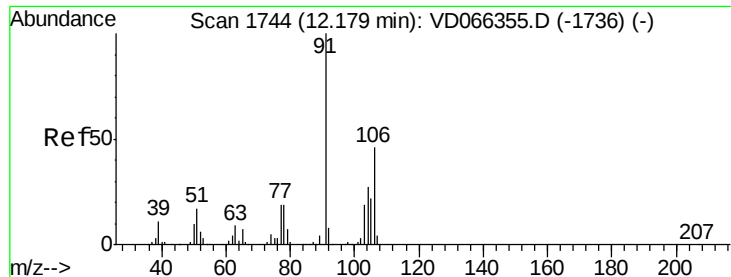
MMDadoda
8/24/2020 4:37:15 PM



#68
m/p-Xylenes
Concen: 107.017 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.6	160.7	241.1





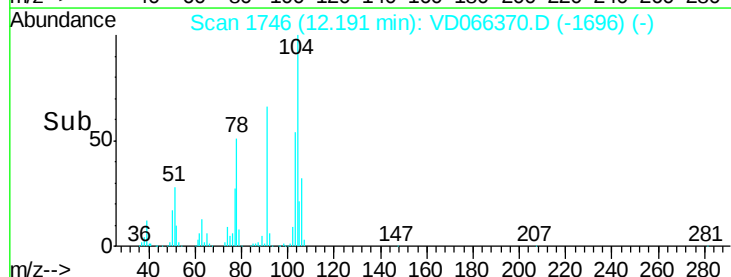
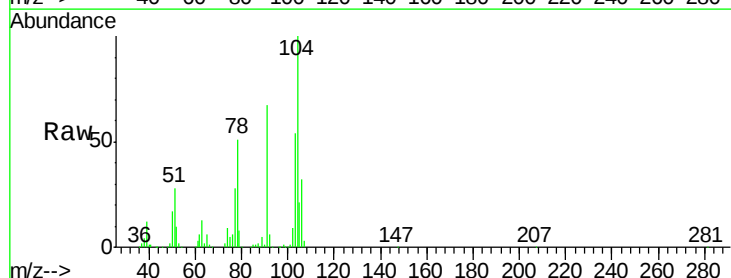
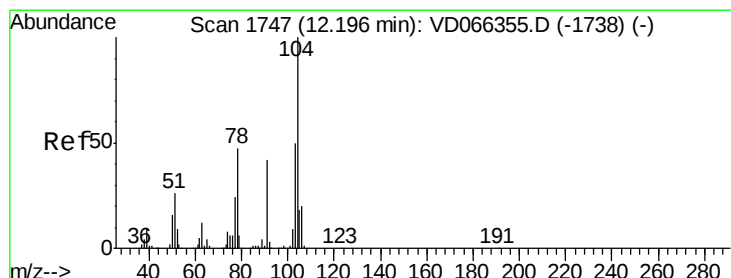
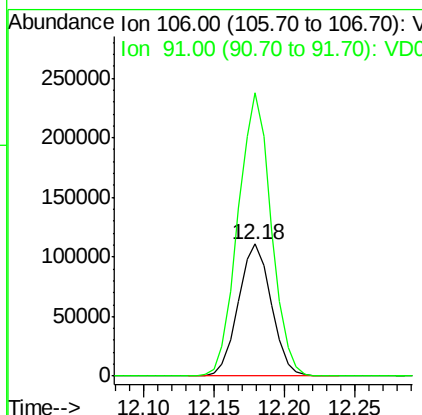
#69
o-Xylene
Concen: 54.001 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tot Ion	Ratio	Resp	Lower	Upper
106	100	181783		
91	214.4	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

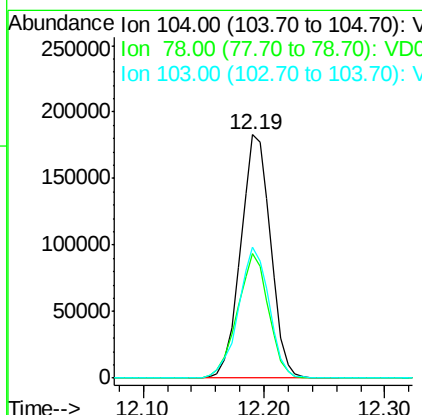
Manual Integrations
APPROVED

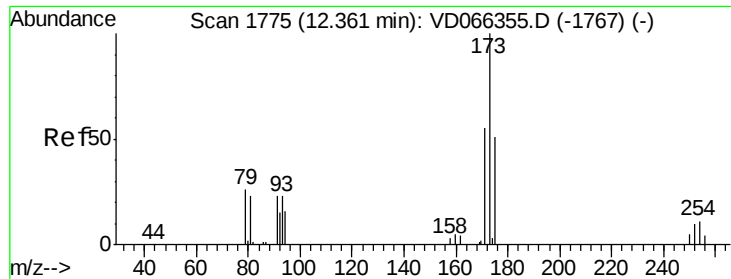
MMDadoda
8/24/2020 4:37:15 PM



#70
Styrene
Concen: 54.651 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	315885		
78	53.2	41.7	62.5	
103	55.2	43.5	65.3	





#71

Bromoform

Concen: 55.434 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 69318

Ion Ratio Lower Upper

173 100

175 49.2 24.8 74.3

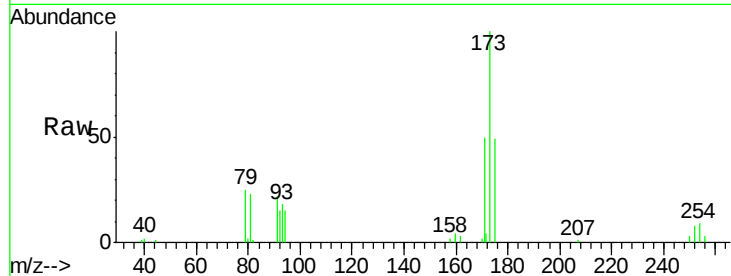
254 0.0 0.0 0.0

Manual Integrations

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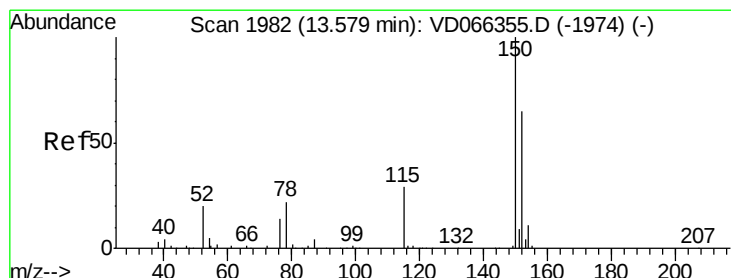
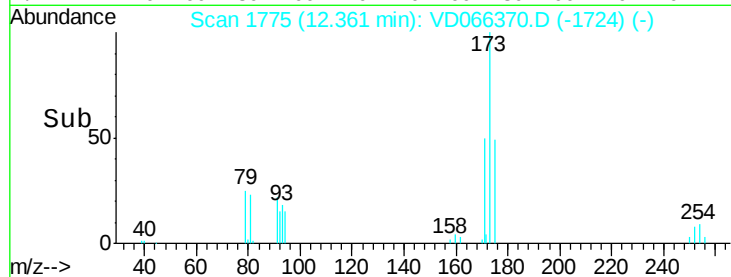
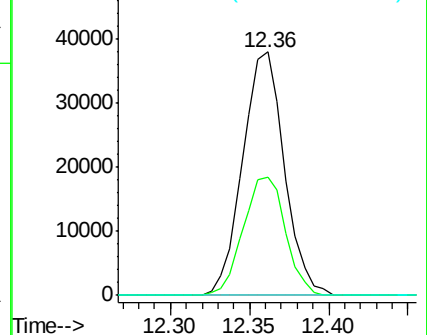
8/24/2020 4:37:15 PM



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: VD066370.D

Acq: 21 Aug 2020 20:09

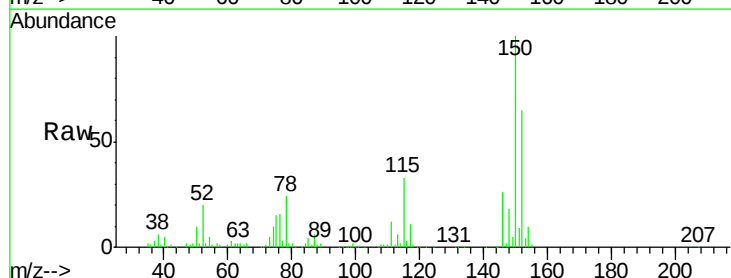
Tgt Ion:152 Resp: 143289

Ion Ratio Lower Upper

152 100

115 56.7 28.3 85.0

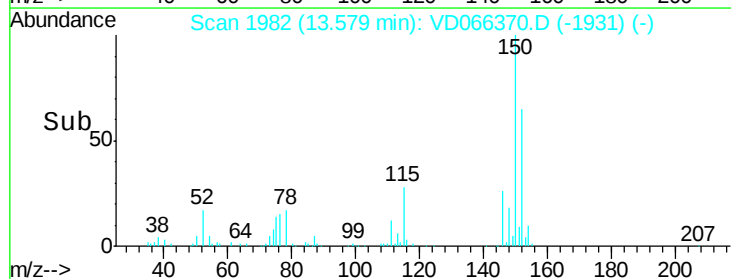
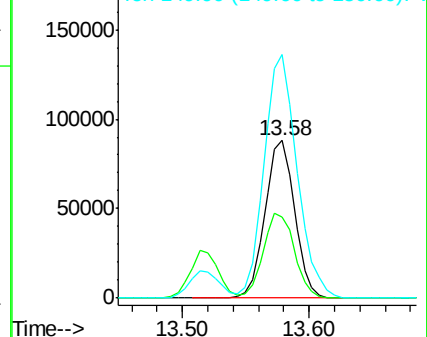
150 171.7 0.0 343.2

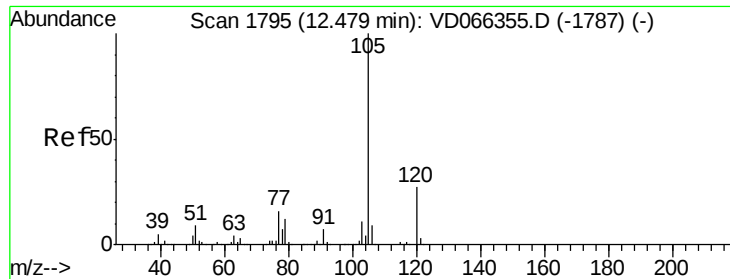


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





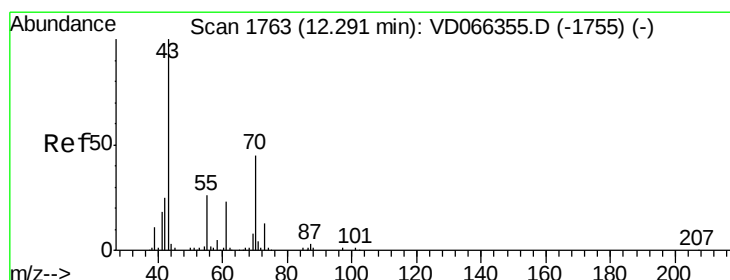
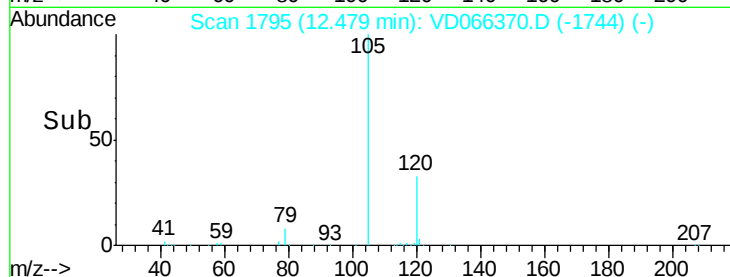
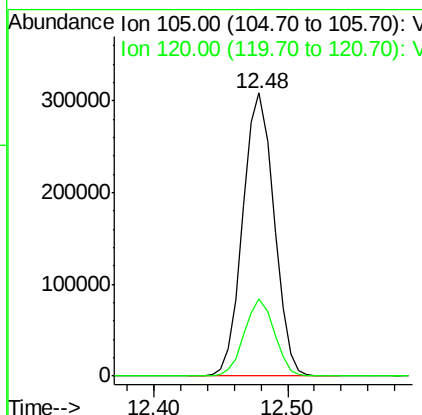
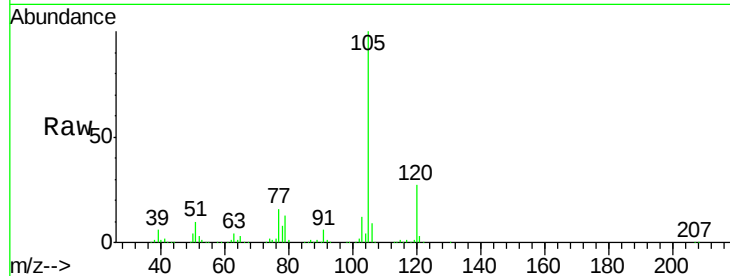
#73
Isopropylbenzene
Concen: 52.045 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.6	40.8

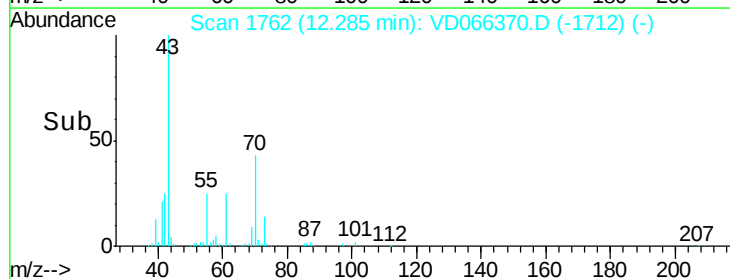
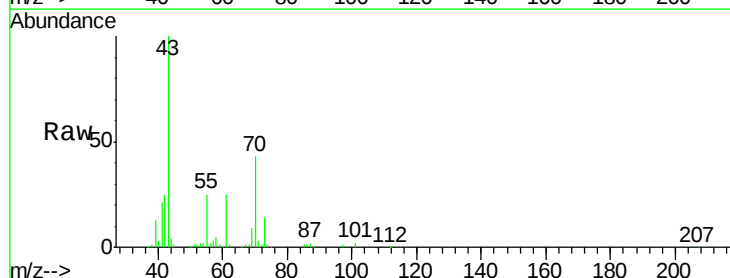
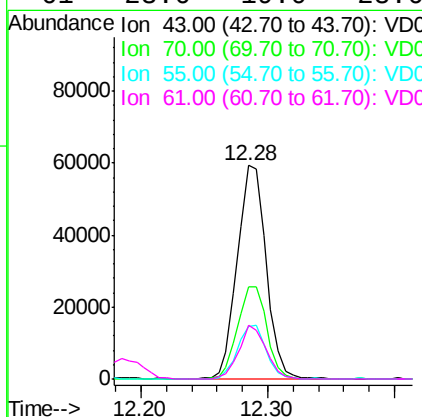
Manual Integrations
APPROVED

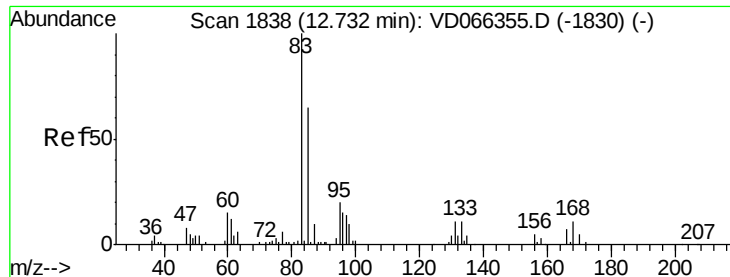
MMDadoda
8/24/2020 4:37:15 PM



#74
N-ethyl acetate
Concen: 53.981 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.8	52.2
55	24.7	20.3	30.5
61	23.6	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.601 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

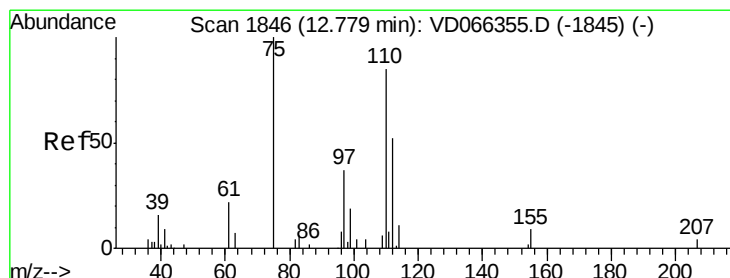
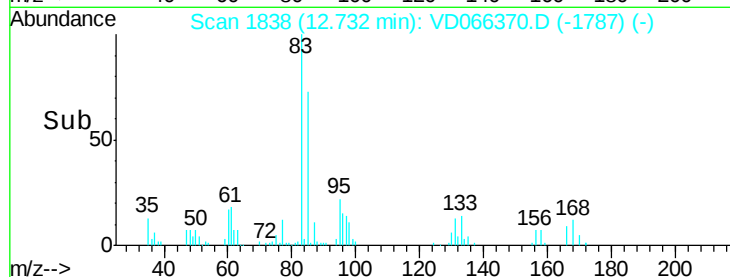
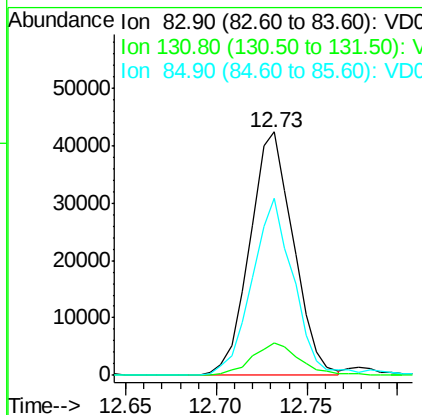
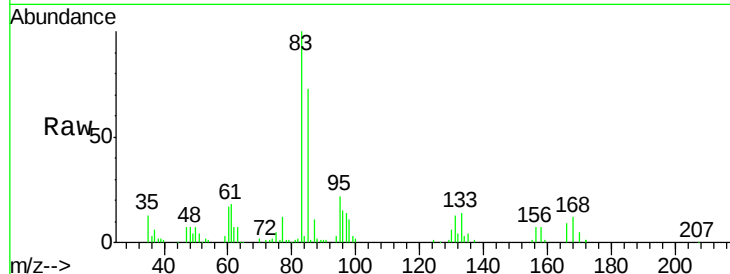
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	70756
Ion Ratio	Lower	Upper	
83	100		
131	14.6	7.0	20.9
85	69.4	32.4	97.0

Manual Integrations
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8/24/2020 4:37:15 PM



#76

1,2,3-Trichloropropane

Concen: 59.201 ug/l m

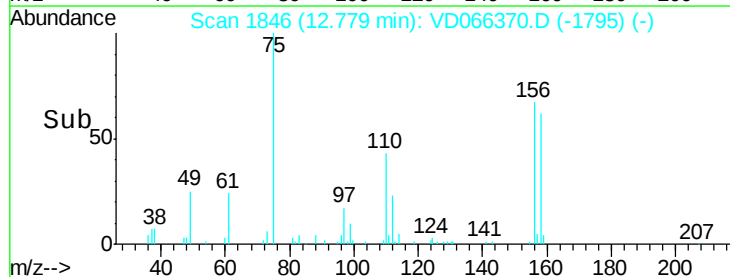
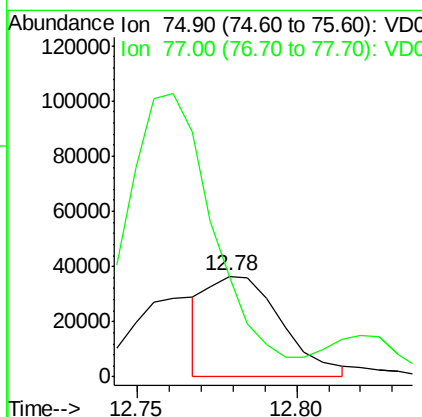
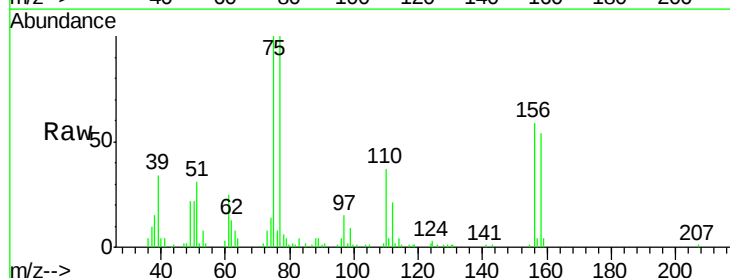
RT: 12.78 min Scan# 1846

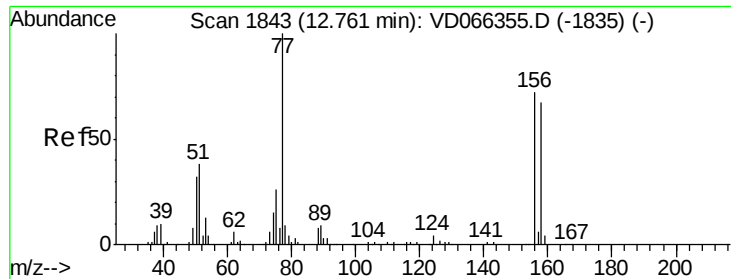
Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	75	Resp:	59677
Ion Ratio	Lower	Upper	
75	100		
77	332.8	182.9	548.9





#77

Bromobenzene

Concen: 54.006 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

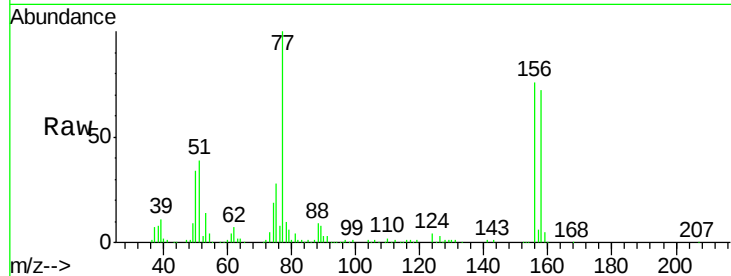
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	131576
Ion Ratio	Lower	Upper	
156	100		
77	150.9	76.1	228.3
158	98.4	47.6	142.9

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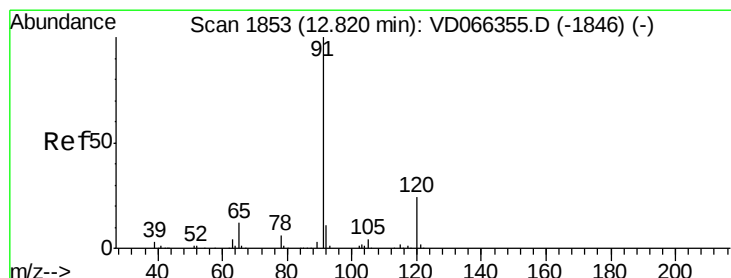
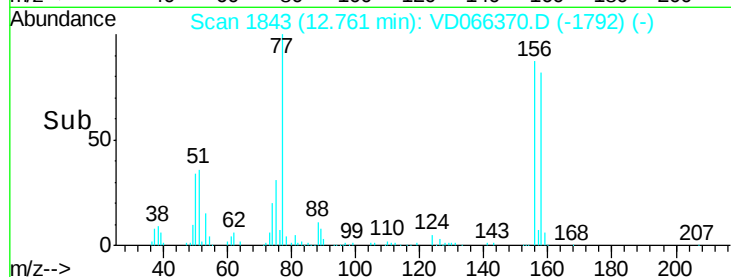
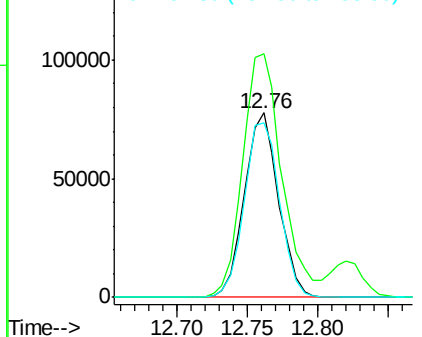
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.089 ug/l

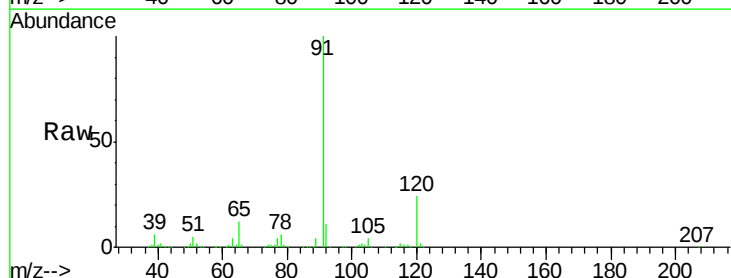
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066370.D

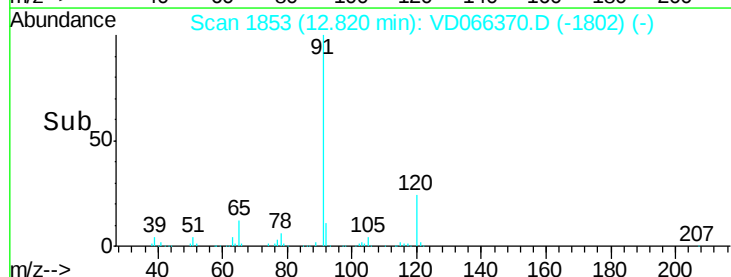
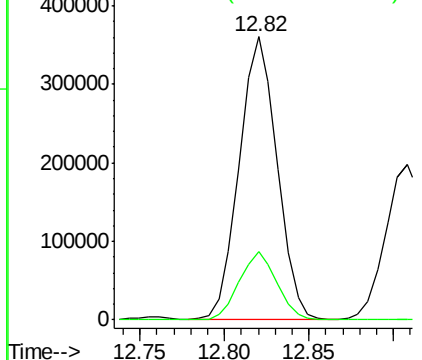
Acq: 21 Aug 2020 20:09

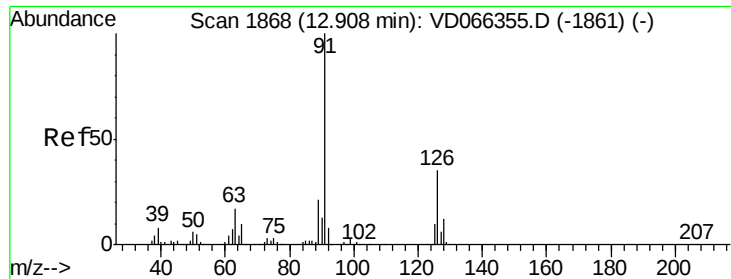
Tgt Ion:	91	Resp:	562285
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





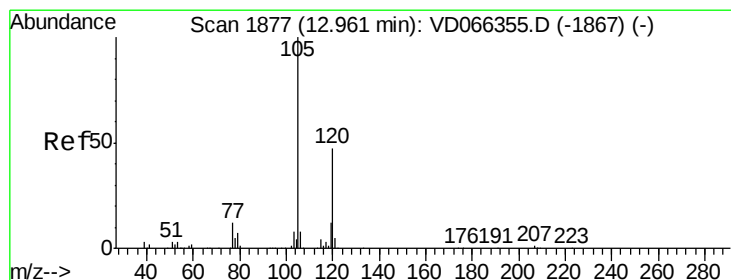
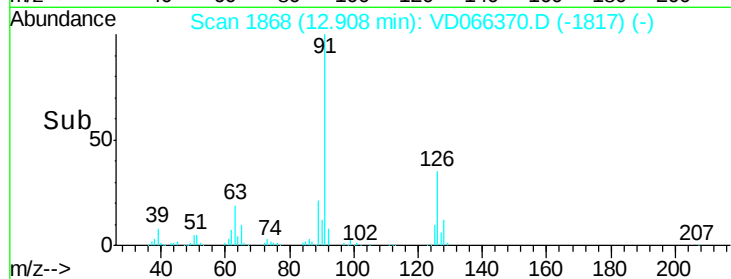
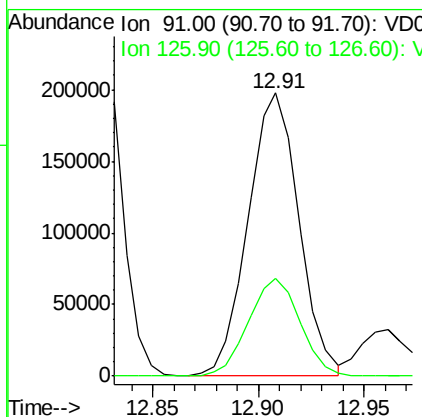
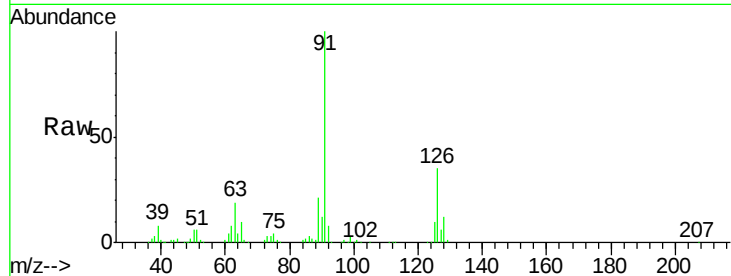
#79
 2-Chlorotoluene
 Concen: 52.437 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 329616
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.7 53.1

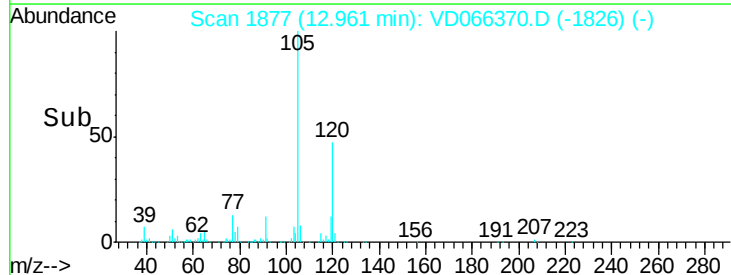
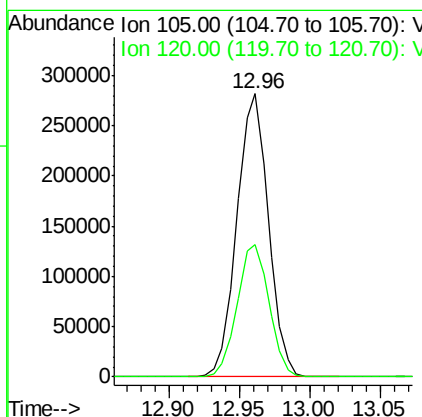
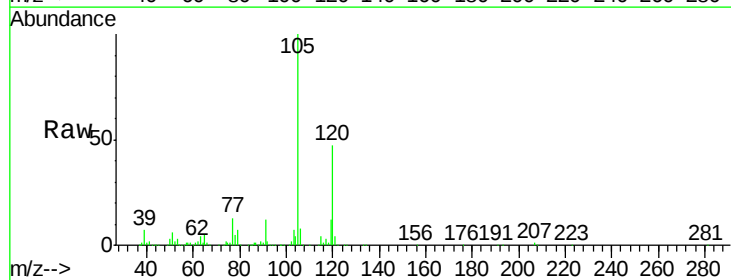
Manual Integrations
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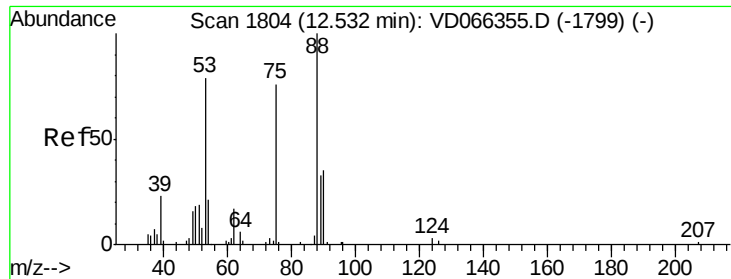
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.973 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion: 105 Resp: 439031
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.437 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

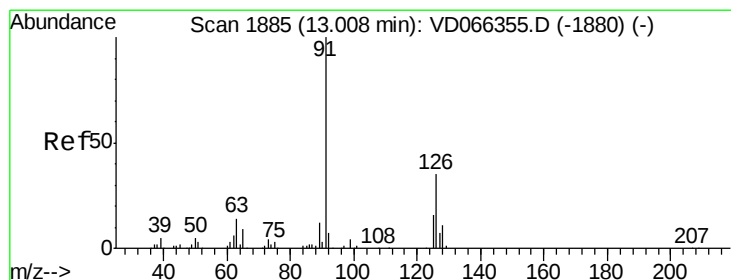
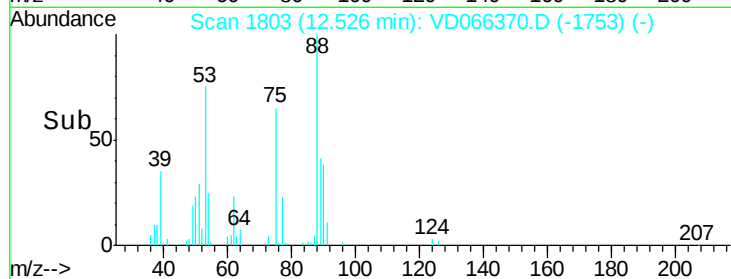
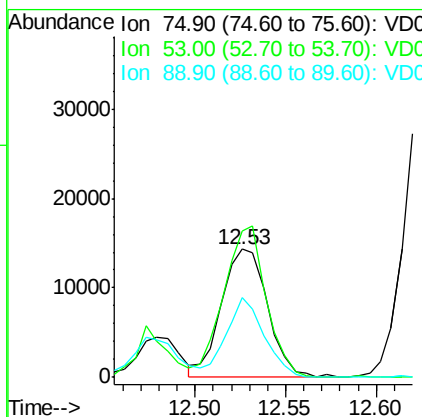
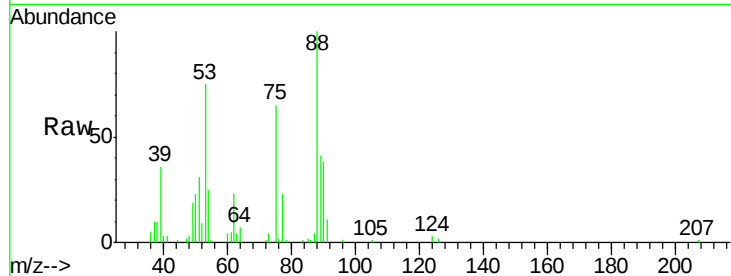
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	25377
Ion	Ratio	Lower	Upper
75	100		
53	108.6	87.4	131.2
89	51.2	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.037 ug/l

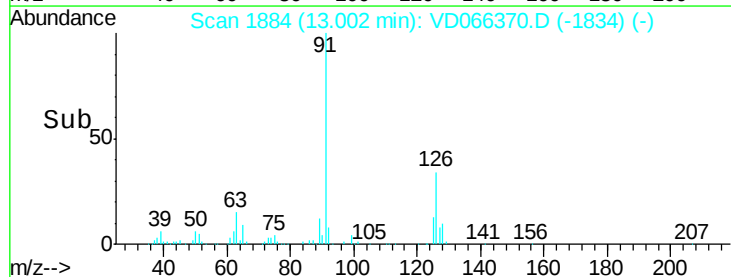
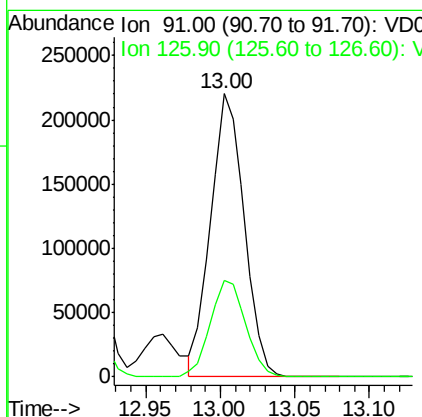
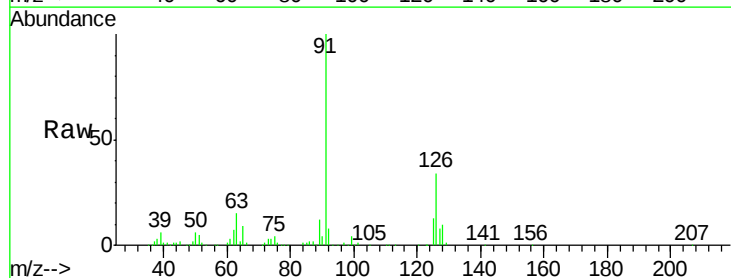
RT: 13.00 min Scan# 1884

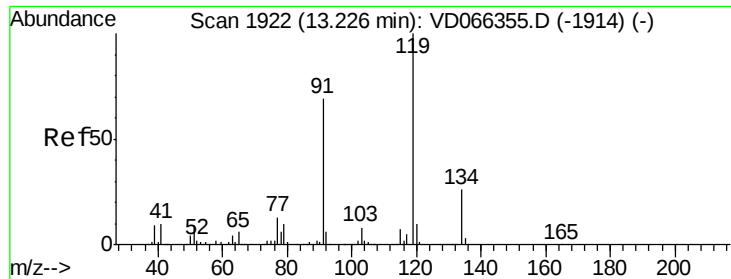
Delta R.T. -0.01 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	91	Resp:	346554
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.2





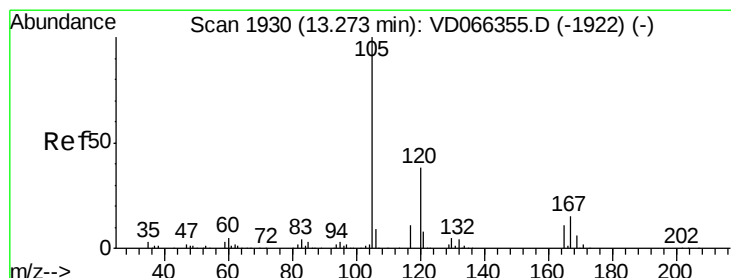
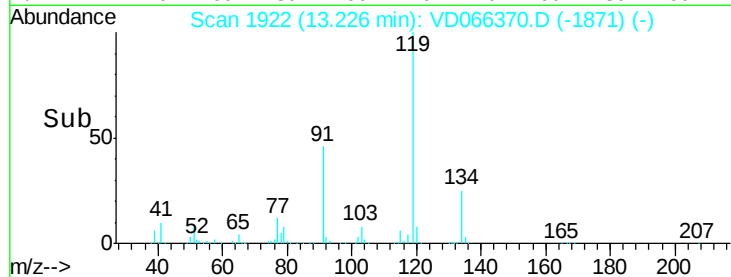
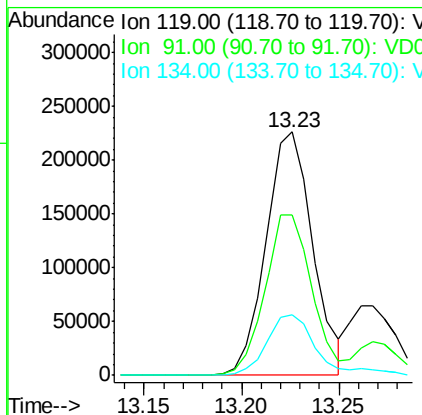
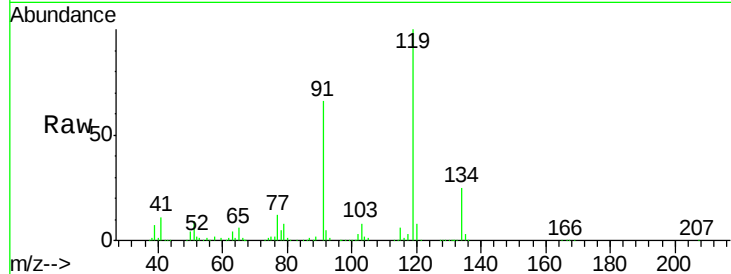
#83
 tert-Butylbenzene
 Concen: 52.191 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	375705		
91	65.4		33.5	100.5
134	26.7		13.5	40.4

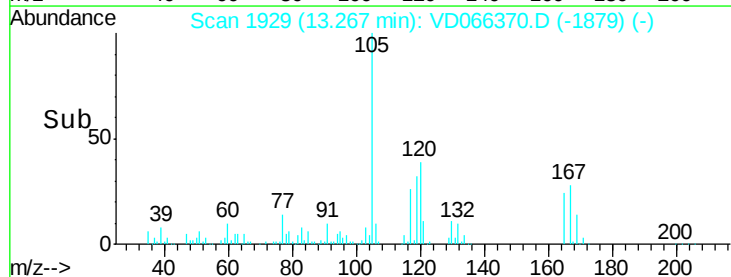
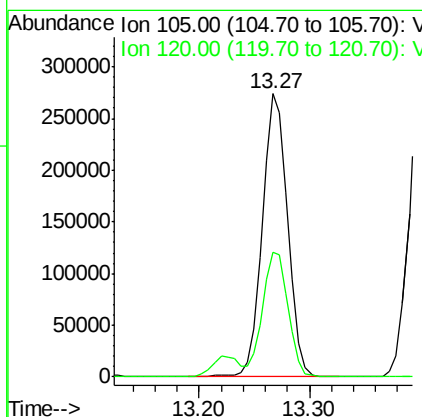
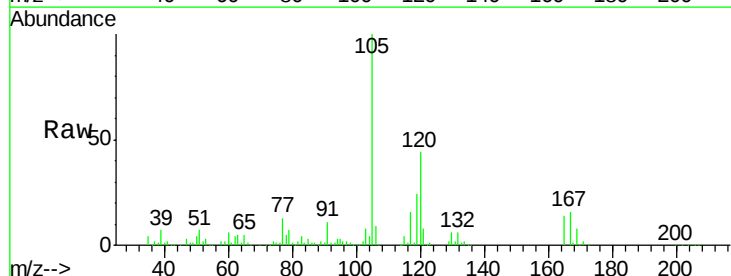
Manual Integrations
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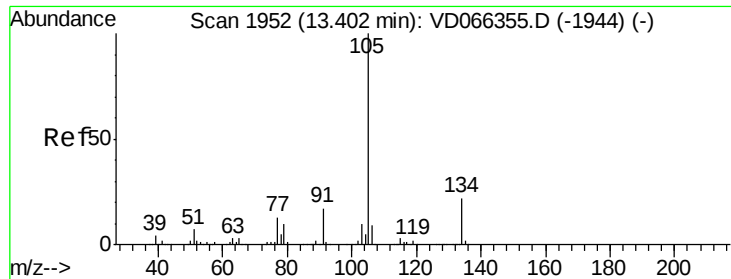
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.009 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	439651		
120	44.3		22.6	67.7





#85

sec-Butylbenzene

Concen: 51.824 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 488788

Ion Ratio Lower Upper

105 100

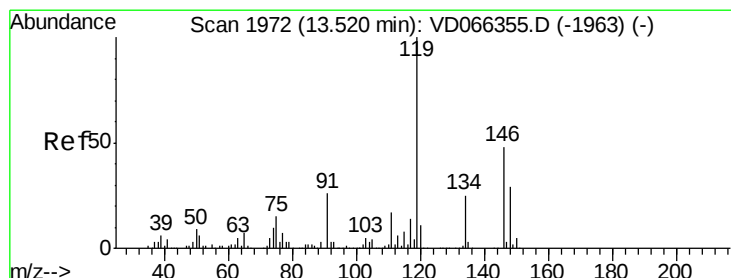
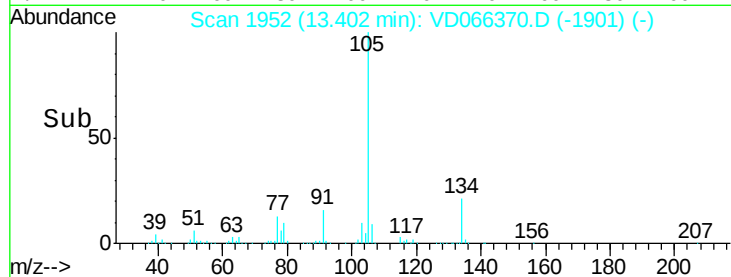
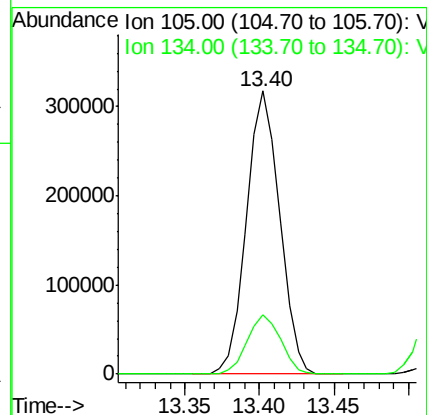
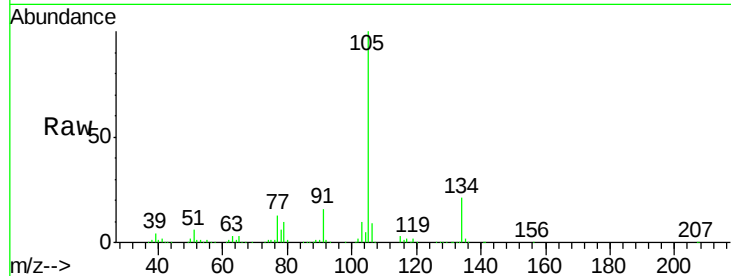
134 21.1 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 52.453 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

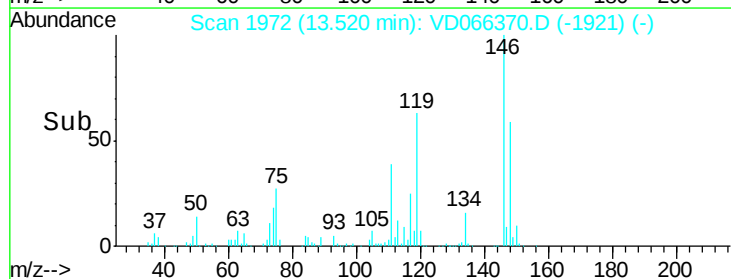
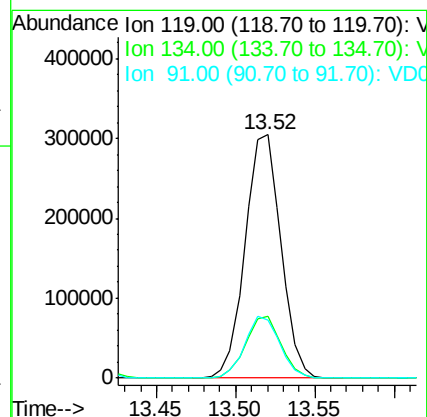
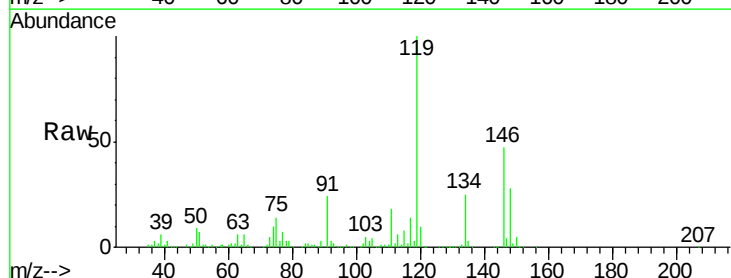
Tgt Ion:119 Resp: 477026

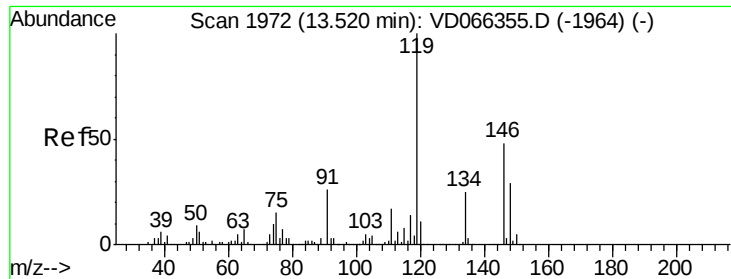
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 25.1 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 52.907 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Instrument :

MSVOA_D

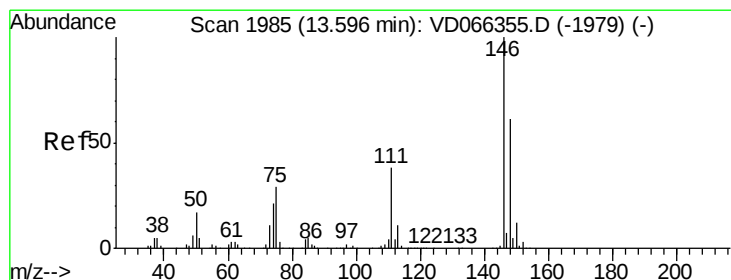
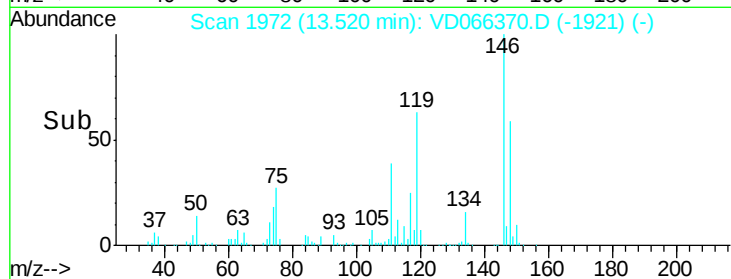
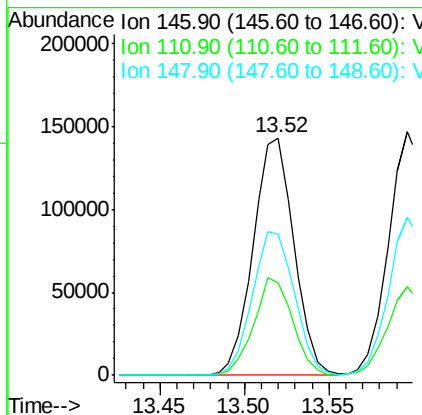
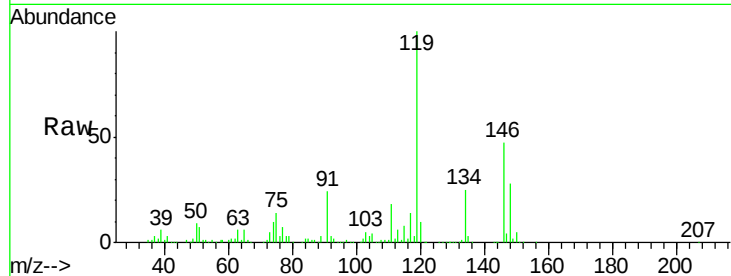
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	240609
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.9	56.9
148	62.6	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.480 ug/l

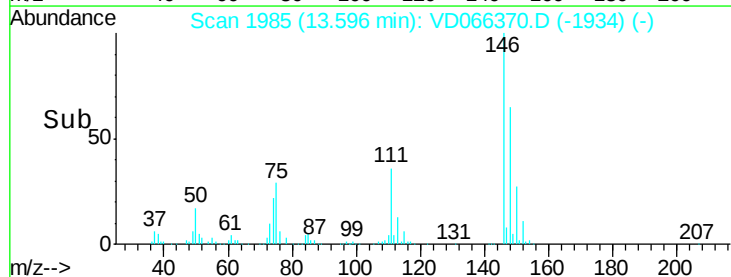
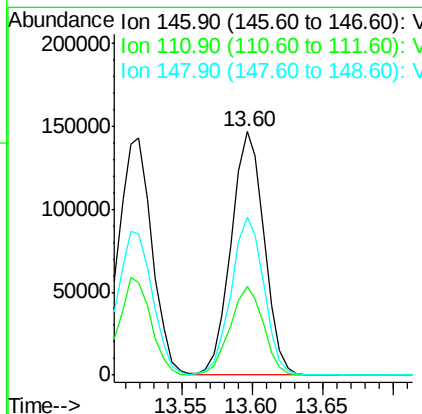
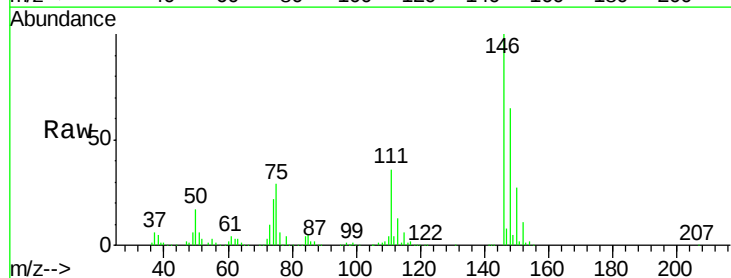
RT: 13.60 min Scan# 1985

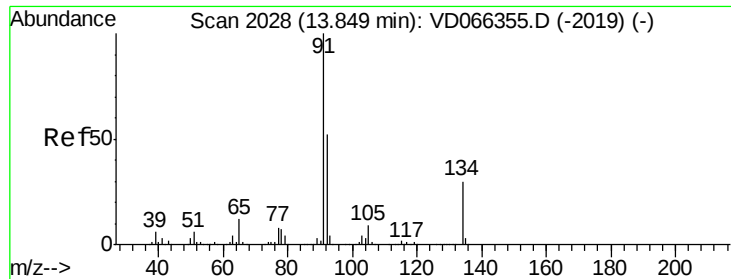
Delta R.T. 0.00 min

Lab File: VD066370.D

Acq: 21 Aug 2020 20:09

Tgt Ion:	146	Resp:	239637
Ion Ratio	Lower	Upper	
146	100		
111	36.5	19.1	57.5
148	64.3	32.1	96.3





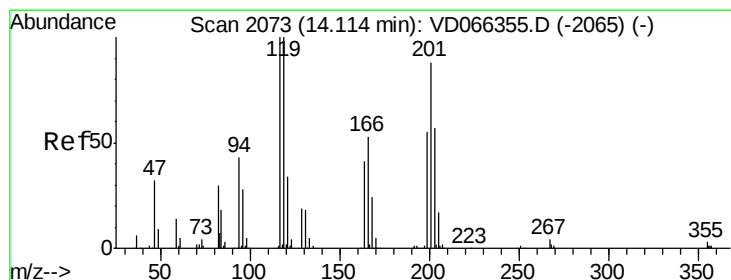
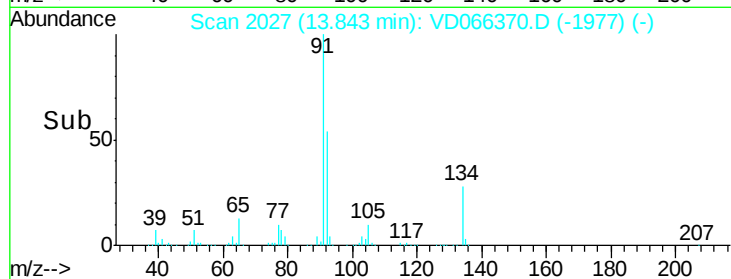
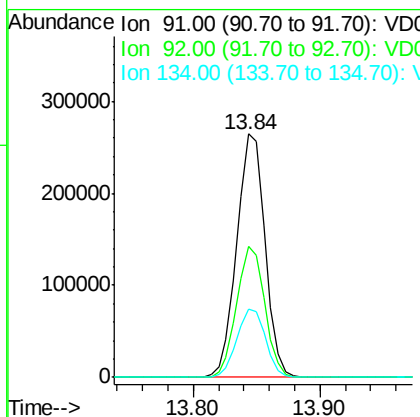
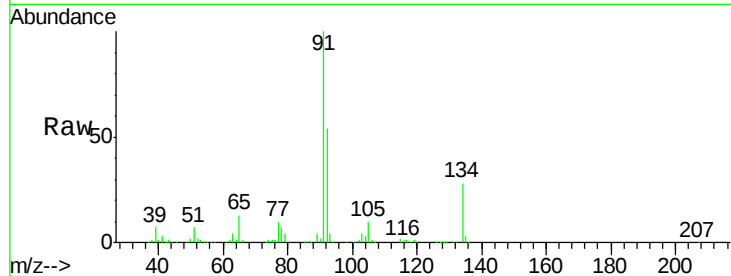
#89
n-Butylbenzene
Concen: 50.696 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.4	79.0	
134	28.7	14.4	43.4	

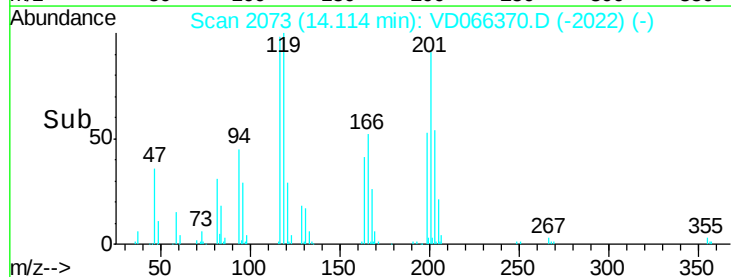
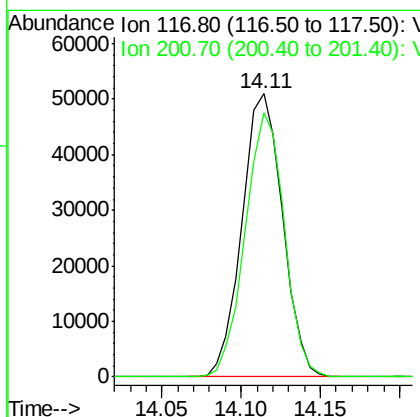
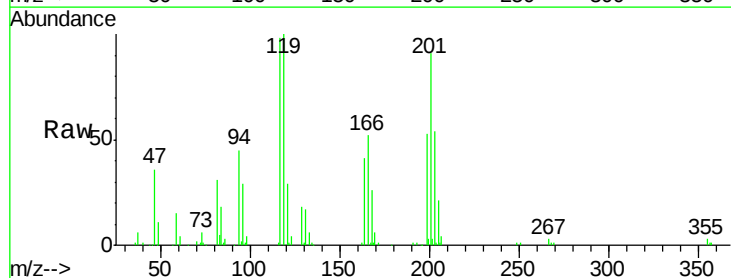
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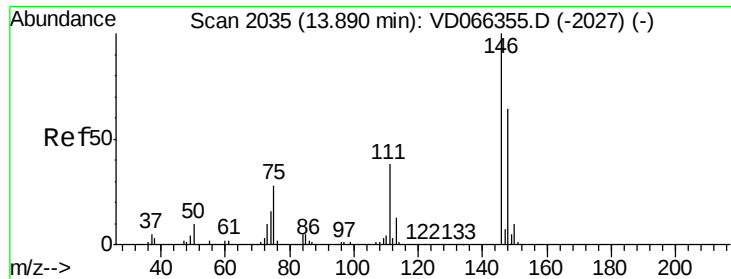
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#90
Hexachloroethane
Concen: 50.532 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.0	45.4	136.2	





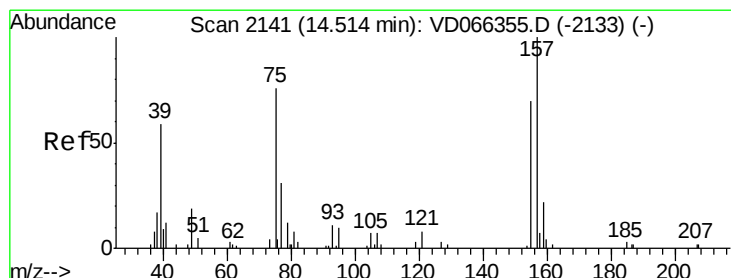
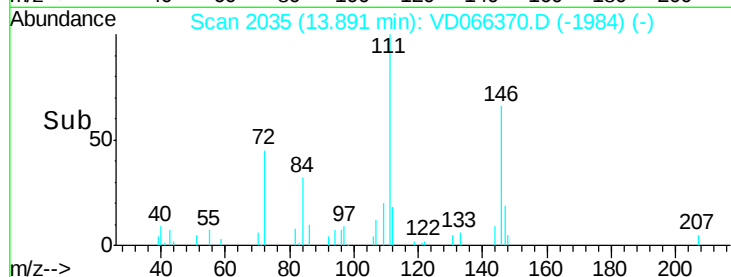
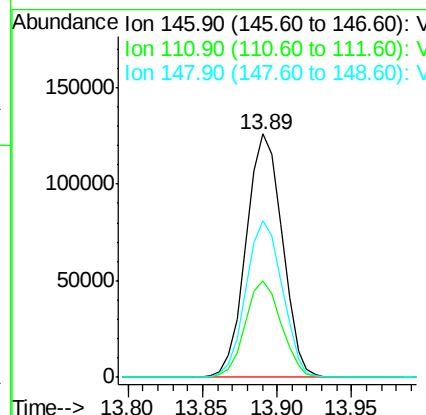
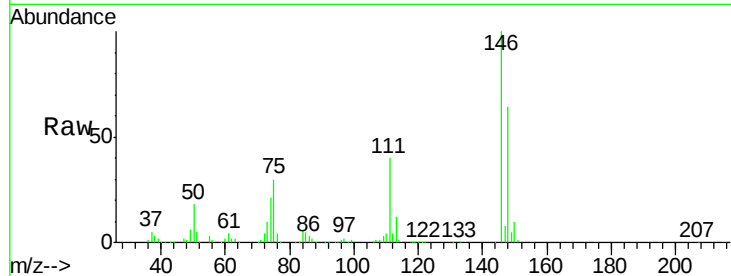
#91
 1,2-Dichlorobenzene
 Concen: 53.959 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	64.8	32.6	97.8

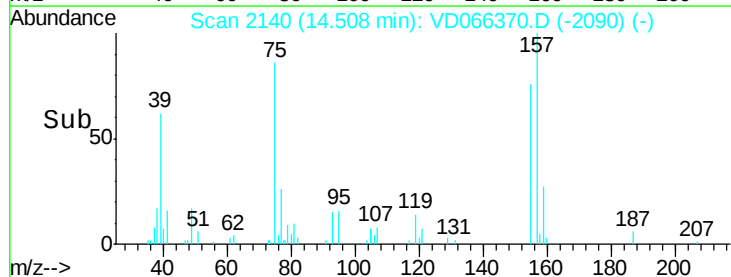
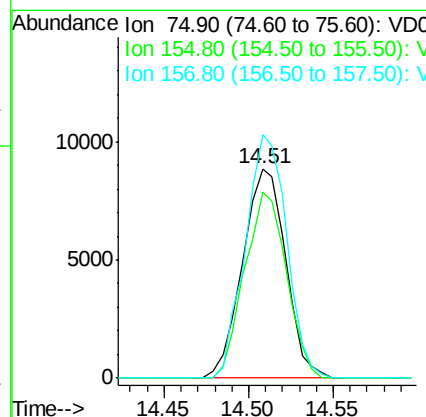
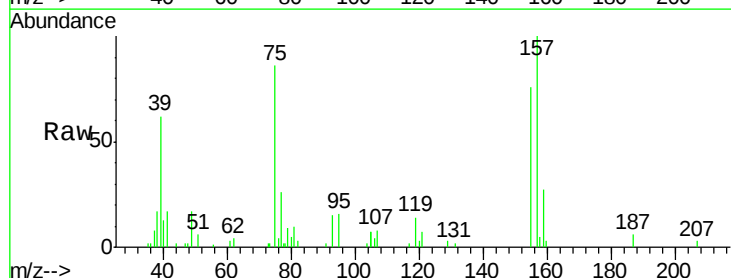
Manual Integrations
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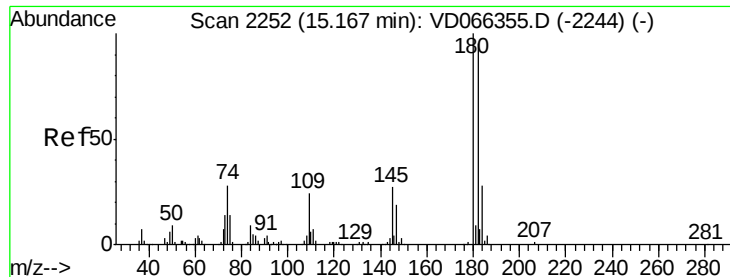
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.723 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	46.9	140.6
157	111.4	61.0	183.0





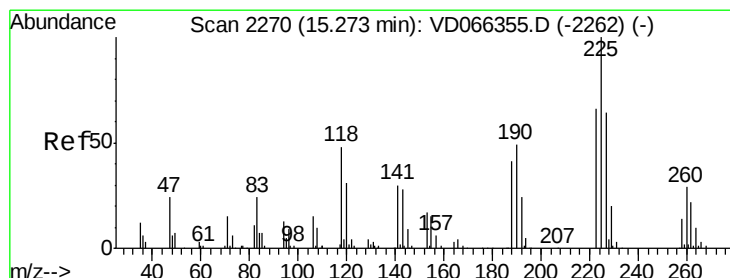
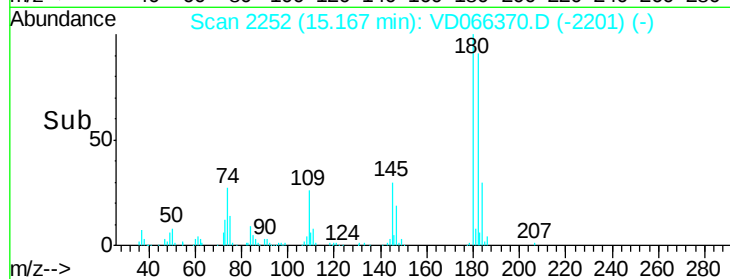
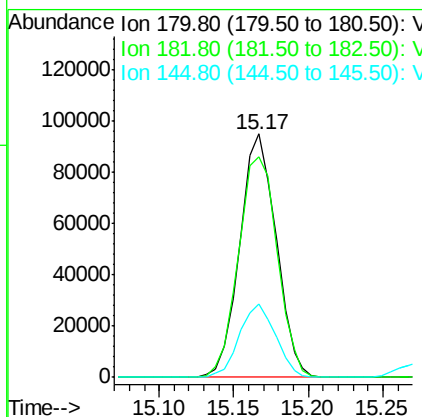
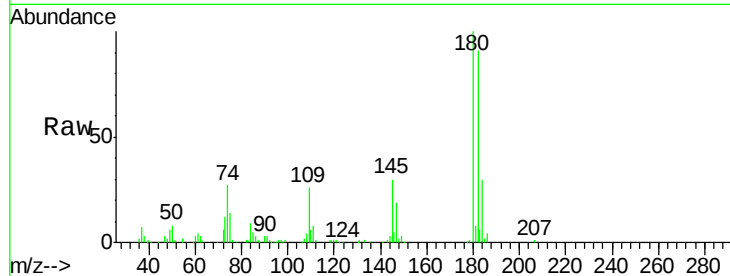
#93
 1,2,4-Trichlorobenzene
 Concen: 52.551 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180	Resp:	160616
Ion Ratio	Lower	Upper
180 100		
182 96.9	48.0	144.0
145 30.2	15.2	45.6

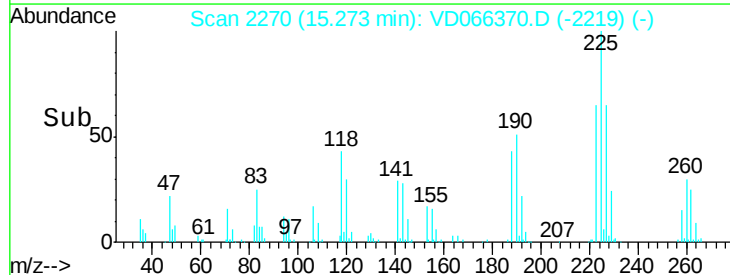
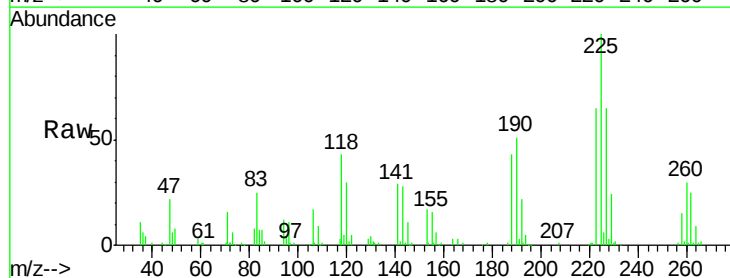
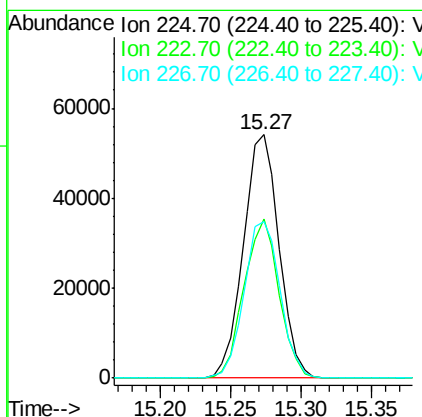
Manual Integrations
 APPROVED

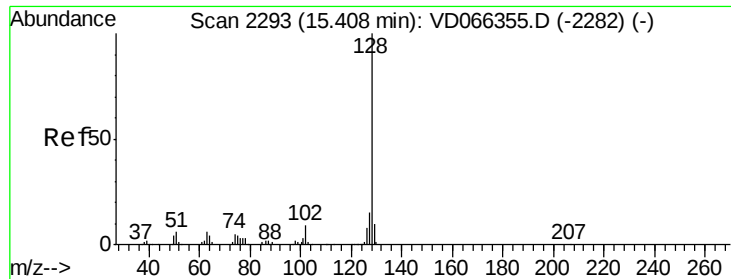
MMDadoda
 8/24/2020 4:37:15 PM



#94
 Hexachlorobutadiene
 Concen: 50.453 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066370.D
 Acq: 21 Aug 2020 20:09

Tgt Ion:225	Resp:	95828
Ion Ratio	Lower	Upper
225 100		
223 63.9	32.5	97.4
227 65.1	33.0	98.9





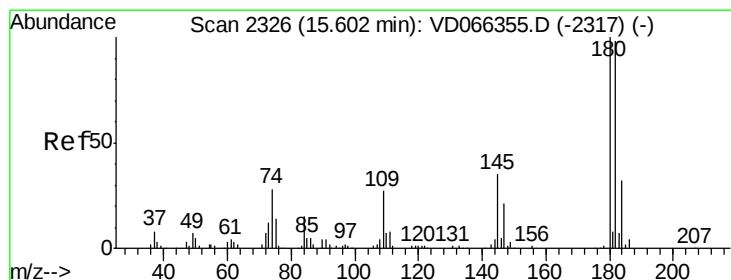
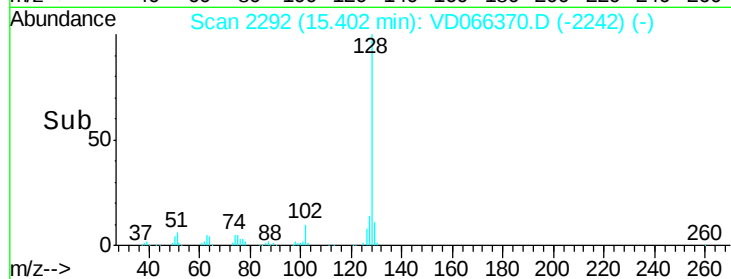
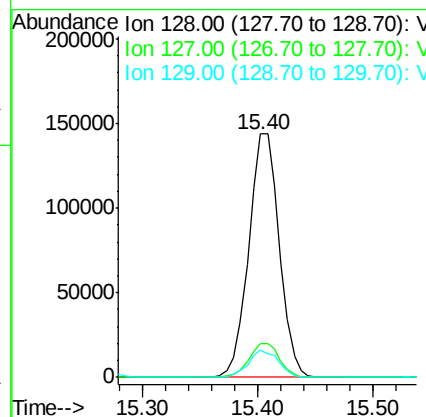
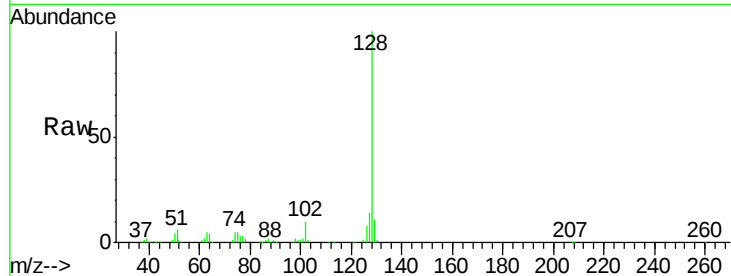
#95
Naphthalene
Concen: 55.119 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	264598		
127	14.0		10.7	16.1
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.786 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066370.D
Acq: 21 Aug 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	140825		
182	94.0		46.7	140.0
145	33.1		16.0	48.0

