

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066329.D
 Acq On : 19 Aug 2020 20:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:56 PM

Quant Time: Aug 20 07:52:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	227114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	336701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115366	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.91	113	112617	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.34	98	404549	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.63	95	145600	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77170	38.567	ug/l	98
3) Chloromethane	2.21	50	65560	42.119	ug/l	96
4) Vinyl Chloride	2.35	62	67142	48.723	ug/l	98
5) Bromomethane	2.76	94	48282	52.810	ug/l	99
6) Chloroethane	2.92	64	43240	51.118	ug/l #	88
7) Trichlorofluoromethane	3.27	101	177826	49.497	ug/l	96
8) Diethyl Ether	3.71	74	49151	48.486	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99872	46.842	ug/l	98
10) Methyl Iodide	4.30	142	105320	53.686	ug/l	98
11) Tert butyl alcohol	5.21	59	36942	243.119	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	94190	46.829	ug/l	94
13) Acrolein	3.92	56	31584	195.832	ug/l	98
14) Allyl chloride	4.71	41	143453	47.078	ug/l	93
15) Acrylonitrile	5.42	53	107901	252.594	ug/l	99
16) Acetone	4.16	43	87793	228.356	ug/l	94
17) Carbon Disulfide	4.40	76	253509	39.641	ug/l	96
18) Methyl Acetate	4.71	43	49952	51.152	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	247190	53.619	ug/l	100
20) Methylene Chloride	4.96	84	126350	57.970	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106736	46.195	ug/l	99
22) Diisopropyl ether	6.36	45	292064	48.469	ug/l	91
23) Vinyl Acetate	6.30	43	875769	248.084	ug/l	100
24) 1,1-Dichloroethane	6.26	63	187415	50.257	ug/l	97
25) 2-Butanone	7.21	43	127661	225.763	ug/l	97
26) 2,2-Dichloropropane	7.20	77	174471	52.201	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	125463	51.769	ug/l	99
28) Bromochloromethane	7.54	49	67137	51.259	ug/l	100
29) Tetrahydrofuran	7.56	42	83543	238.461	ug/l	97
30) Chloroform	7.71	83	211235	53.946	ug/l	99
31) Cyclohexane	7.98	56	145677	41.038	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	200783	54.688	ug/l	100
36) 1,1-Dichloropropene	8.10	75	152920	48.332	ug/l	98
37) Ethyl Acetate	7.28	43	58645	46.781	ug/l	98
38) Carbon Tetrachloride	8.09	117	183238	51.934	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	172564	45.118	ug/l	99
40) Benzene	8.34	78	427924	48.755	ug/l	95
41) Methacrylonitrile	7.53	41	40623m	55.113	ug/l	
42) 1,2-Dichloroethane	8.42	62	139441	54.079	ug/l	97
43) Isopropyl Acetate	8.45	43	124542	50.422	ug/l	98
44) Trichloroethene	9.11	130	133893	50.624	ug/l	98
45) 1,2-Dichloropropane	9.38	63	103945	48.422	ug/l	94
46) Dibromomethane	9.47	93	61694	52.176	ug/l	99
47) Bromodichloromethane	9.66	83	166964	53.426	ug/l	99
48) Methyl methacrylate	9.45	41	57723	45.768	ug/l #	78
49) 1,4-Dioxane	9.46	88	13841	911.118	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	310509	244.741	ug/l	99
52) Toluene	10.40	92	281568	48.752	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	155798	52.532	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	176819	50.886	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86564	50.841	ug/l	97
56) Ethyl methacrylate	10.66	69	106297	51.970	ug/l	99
57) 1,3-Dichloropropane	10.94	76	143293	50.694	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	253235	275.246	ug/l	98
59) 2-Hexanone	10.98	43	212555	238.715	ug/l	100
60) Dibromochloromethane	11.14	129	122658	52.181	ug/l	100
61) 1,2-Dibromoethane	11.24	107	85573	52.260	ug/l	98
64) Tetrachloroethene	10.87	164	115179	47.187	ug/l	96
65) Chlorobenzene	11.67	112	321091	49.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	131777	52.193	ug/l	98
67) Ethyl Benzene	11.74	91	563711	50.412	ug/l	100
68) m/p-Xylenes	11.86	106	418427	96.580	ug/l	92
69) o-Xylene	12.18	106	201505	51.129	ug/l	99
70) Styrene	12.20	104	354924	51.387	ug/l	98
71) Bromoform	12.36	173	79042	52.839	ug/l #	96
73) Isopropylbenzene	12.48	105	562458	52.968	ug/l	100
74) N-amyl acetate	12.28	43	116442	49.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	91058	50.289	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	59321m	44.717	ug/l	
77) Bromobenzene	12.76	156	141595	51.800	ug/l	98
78) n-propylbenzene	12.82	91	643775	52.154	ug/l	99
79) 2-Chlorotoluene	12.91	91	374734	53.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	470372	52.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30200	50.323	ug/l	90
82) 4-Chlorotoluene	13.01	91	384276	51.563	ug/l	100
83) tert-Butylbenzene	13.23	119	410994	52.624	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	469229	52.797	ug/l	98
85) sec-Butylbenzene	13.40	105	549308	52.095	ug/l	99
86) p-Isopropyltoluene	13.52	119	516579	52.234	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	261835	50.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261113	50.963	ug/l	100
89) n-Butylbenzene	13.85	91	463943	52.359	ug/l	99
90) Hexachloroethane	14.11	117	103791	52.621	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	232044	51.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17014	54.672	ug/l	95

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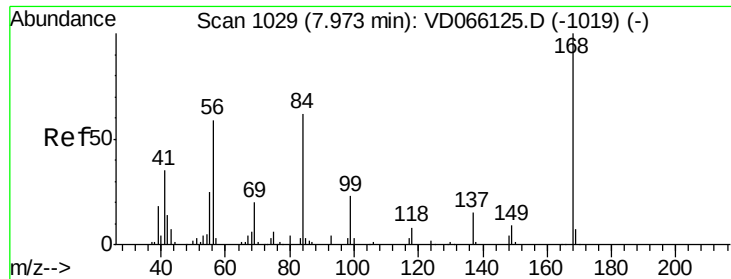
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	176512	52.717	ug/l	98
94) Hexachlorobutadiene	15.27	225	104973	53.241	ug/l	98
95) Naphthalene	15.41	128	305443	55.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	152977	51.756	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 227114

Ion Ratio Lower Upper

168 100

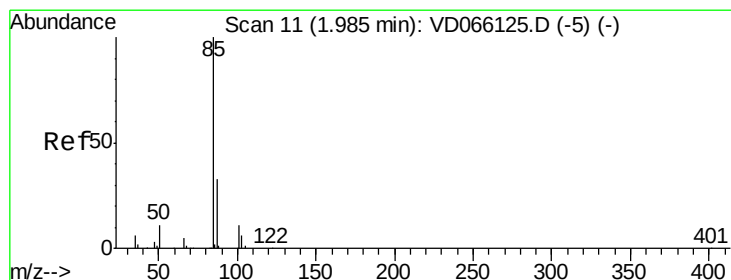
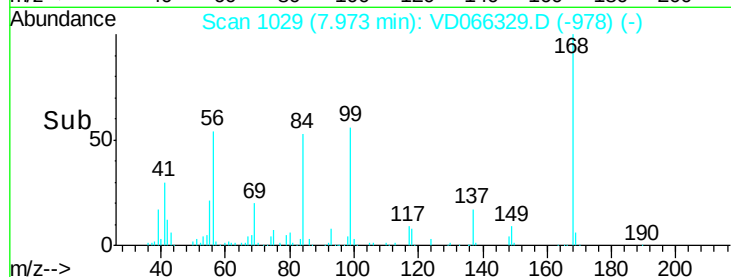
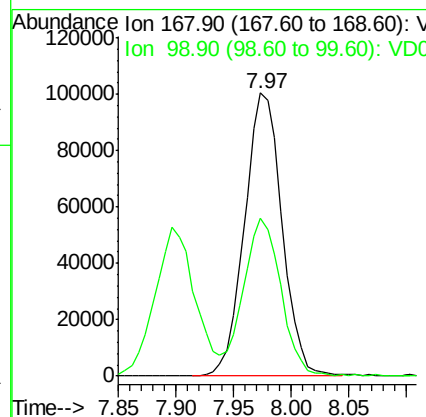
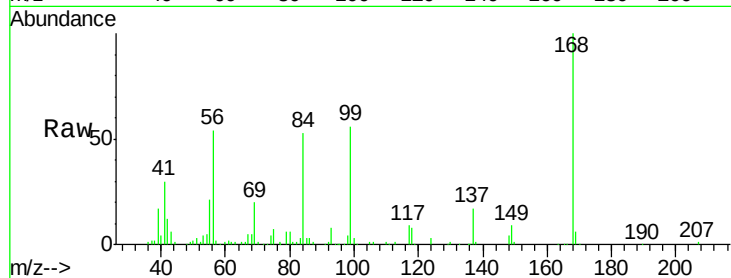
99 55.2 42.2 63.4

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#2

Dichlorodifluoromethane

Concen: 38.567 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066329.D

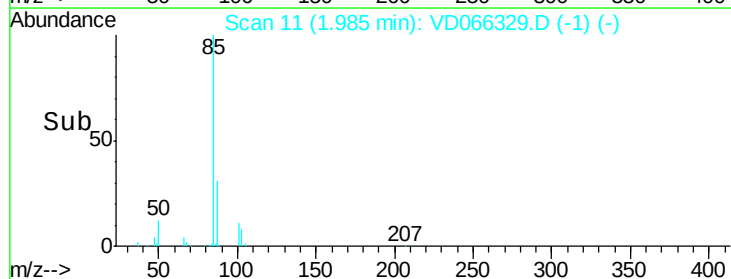
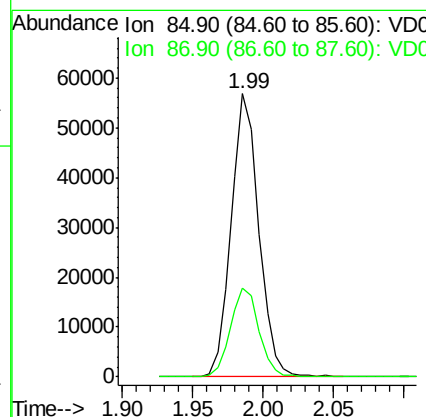
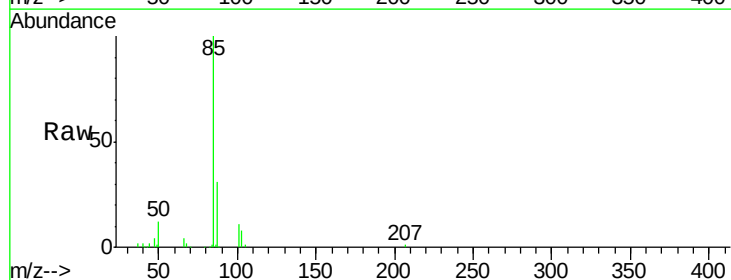
Acq: 19 Aug 2020 20:02

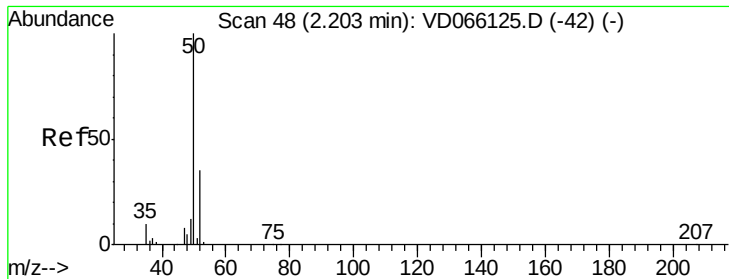
Tgt Ion: 85 Resp: 77170

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8





#3

Chloromethane

Concen: 42.119 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 65560

Ion Ratio Lower Upper

50 100

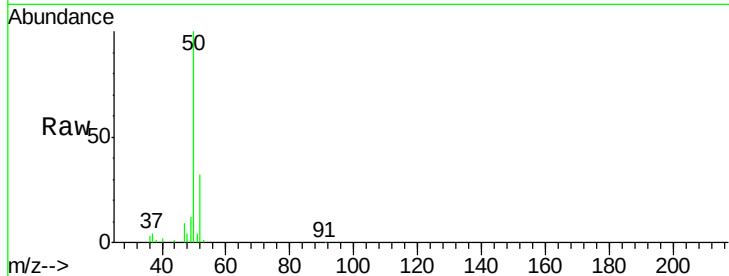
52 32.4 27.9 41.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

50000

40000

30000

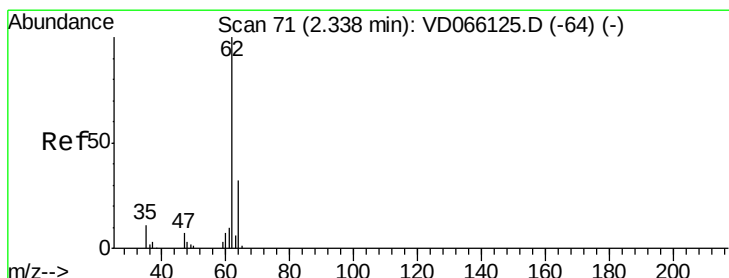
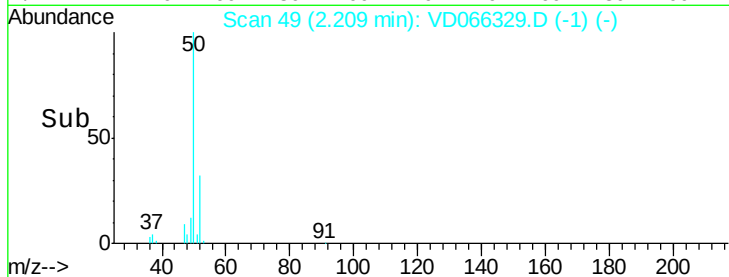
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 48.723 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066329.D

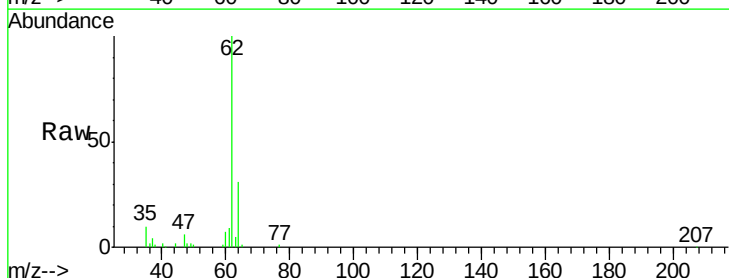
Acq: 19 Aug 2020 20:02

Tgt Ion: 62 Resp: 67142

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

50000

40000

30000

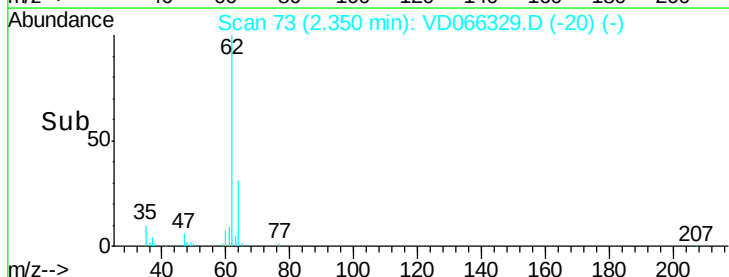
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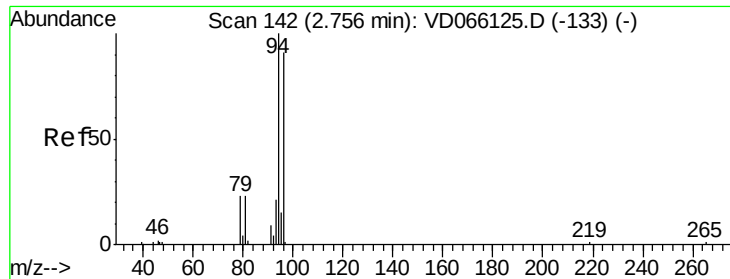
10000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 52.810 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48282

Ion Ratio Lower Upper

94 100

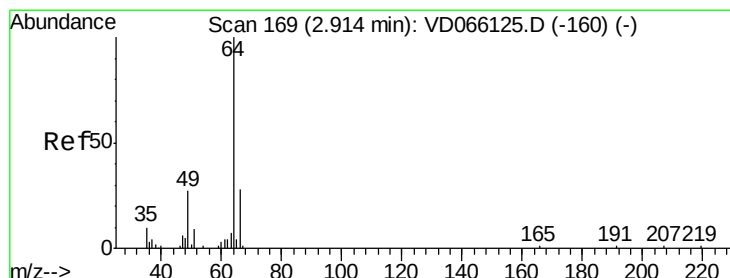
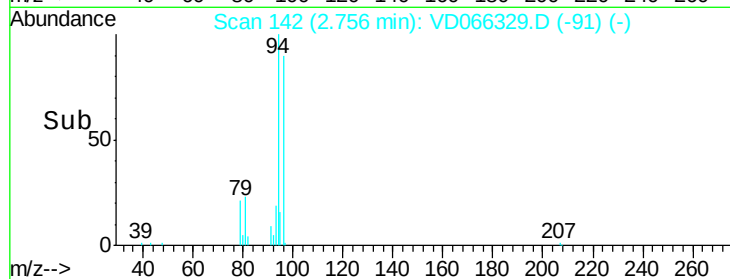
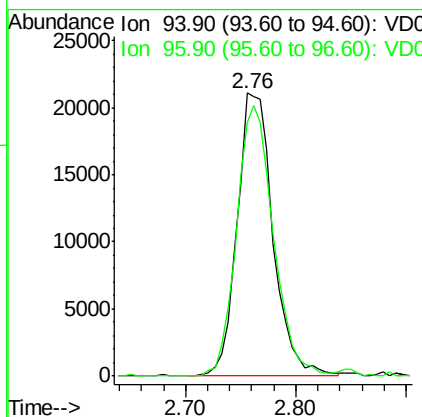
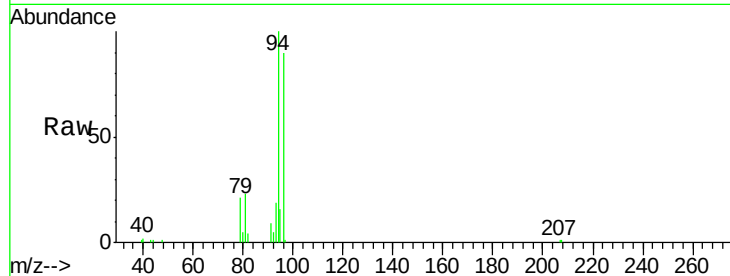
96 89.8 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 51.118 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066329.D

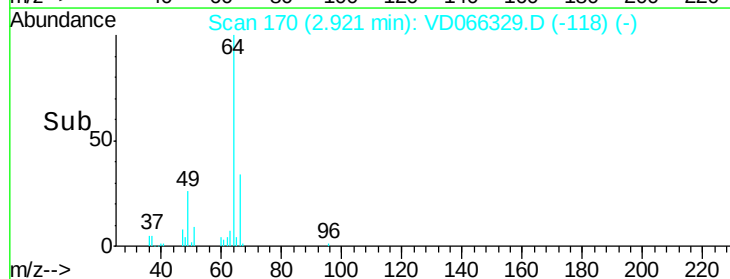
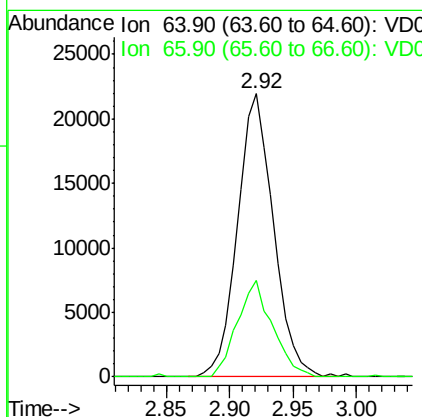
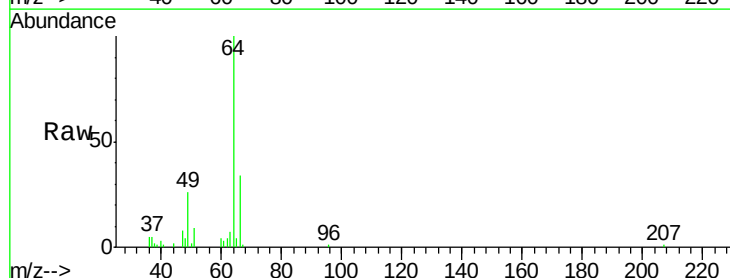
Acq: 19 Aug 2020 20:02

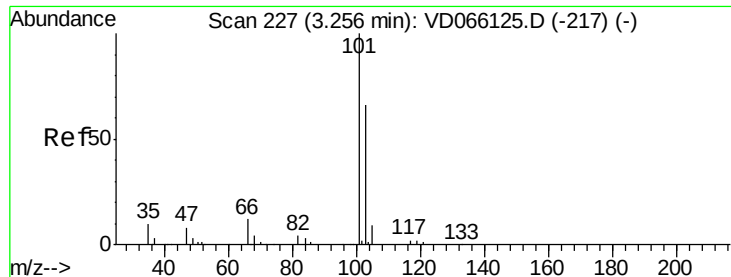
Tgt Ion: 64 Resp: 43240

Ion Ratio Lower Upper

64 100

66 34.0 22.0 33.0#





#7

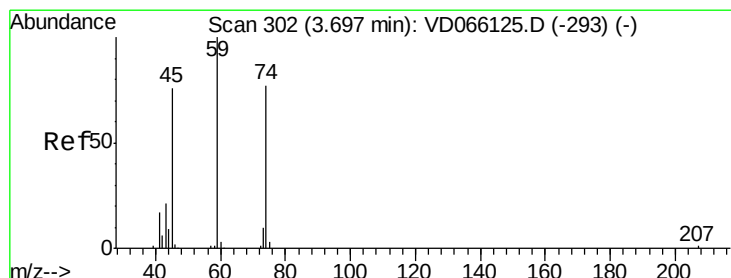
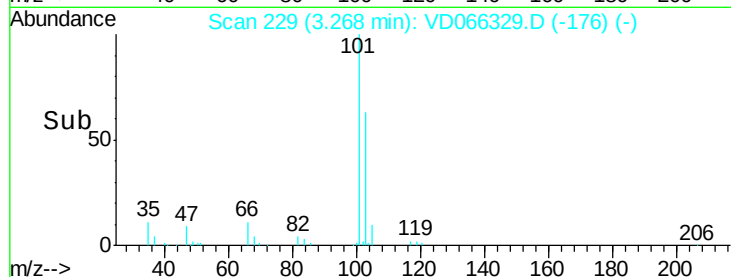
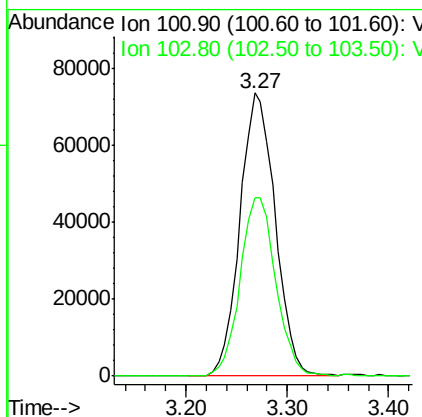
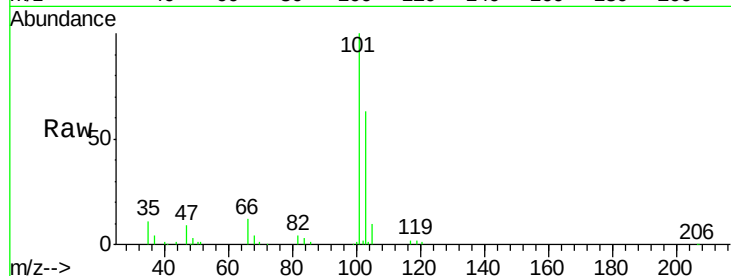
Trichlorofluoromethane
 Concen: 49.497 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	53.0	79.6

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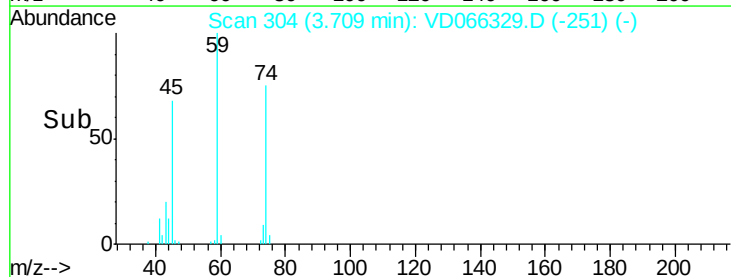
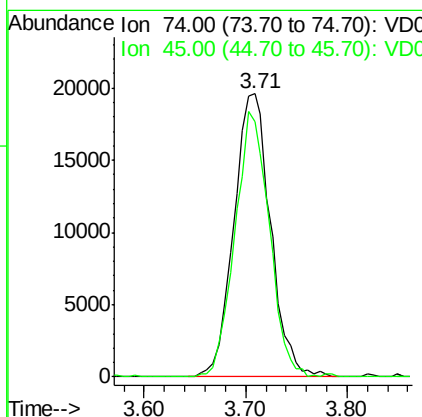
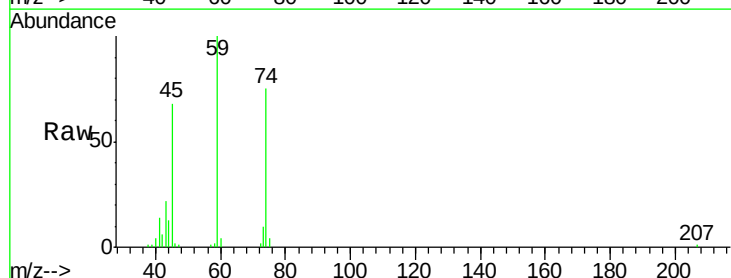
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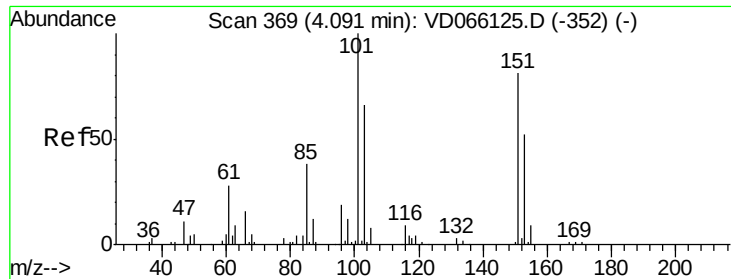


#8

Diethyl Ether
 Concen: 48.486 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.842 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

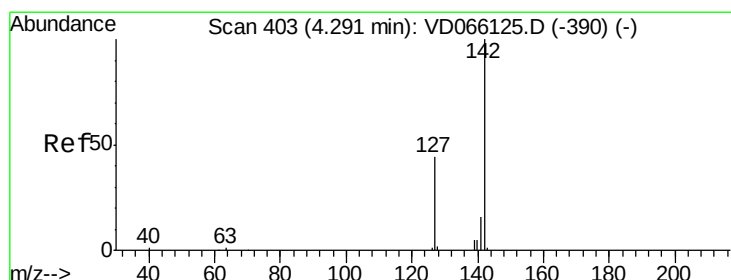
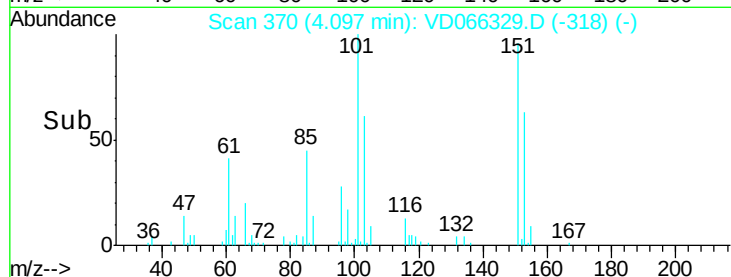
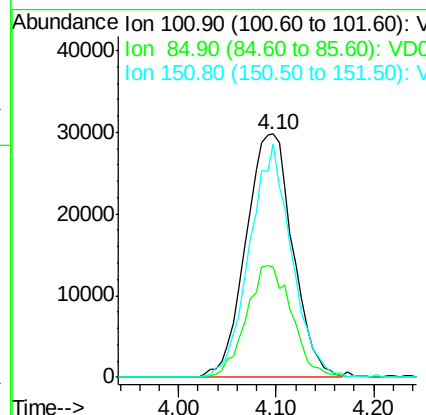
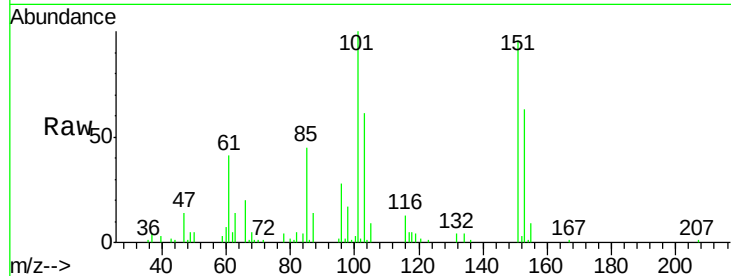
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99872
Ion Ratio	Lower	Upper	
101	100		
85	44.5	33.5	50.3
151	85.8	67.8	101.8

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#10

Methyl Iodide

Concen: 53.686 ug/l

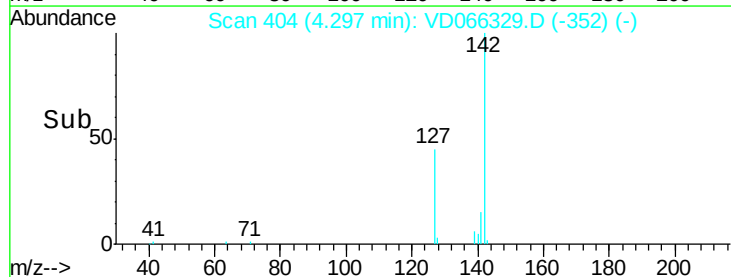
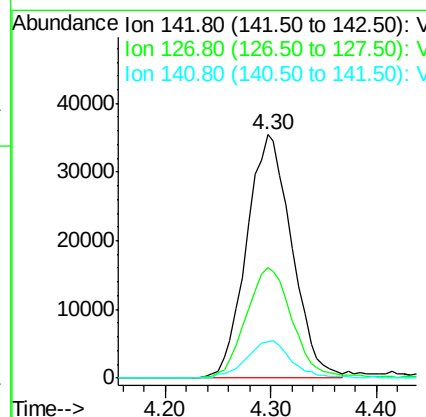
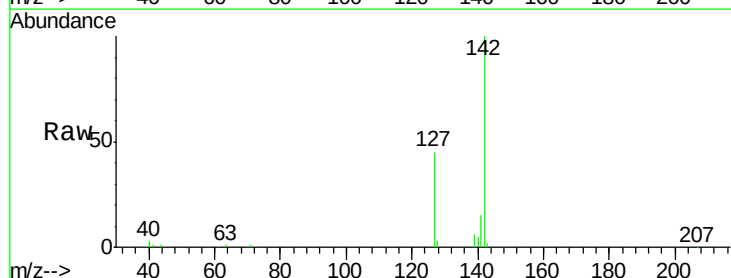
RT: 4.30 min Scan# 404

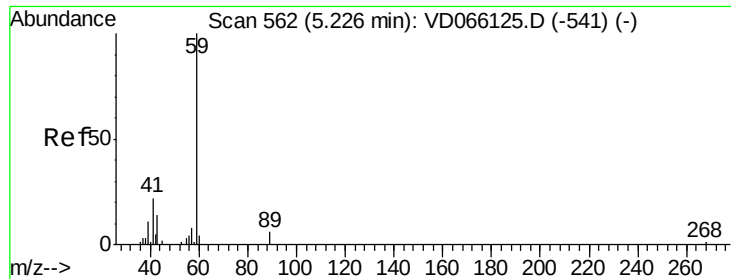
Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	142	Resp:	105320
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.2	54.4
141	15.2	12.6	18.8





#11

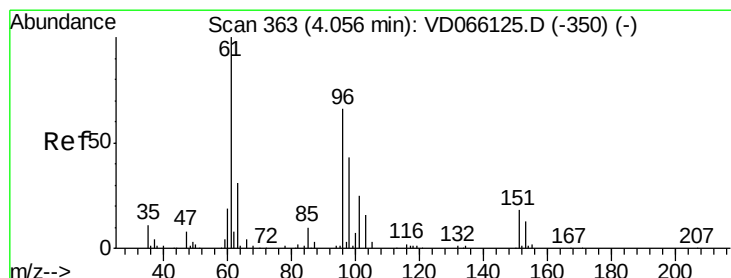
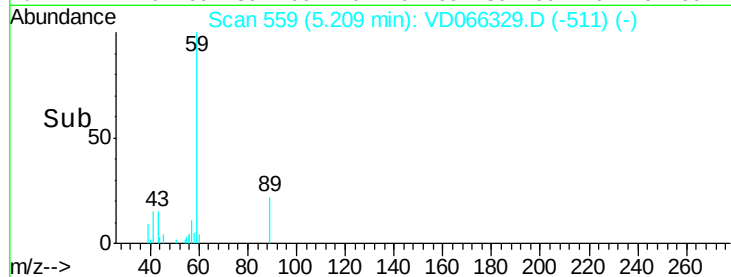
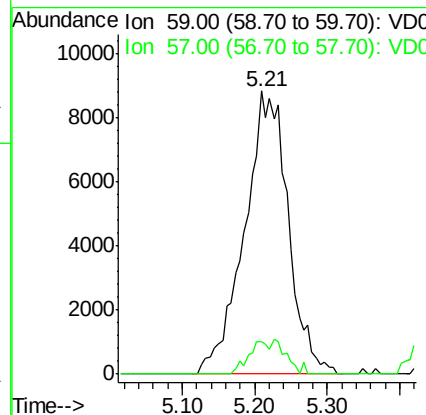
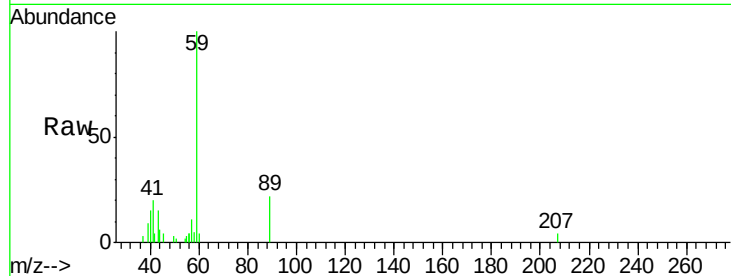
Tert butyl alcohol
 Concen: 243.119 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	7.0	10.4#

Manual Integrations
 APPROVED

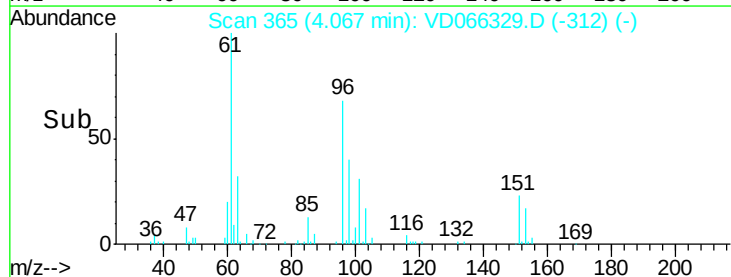
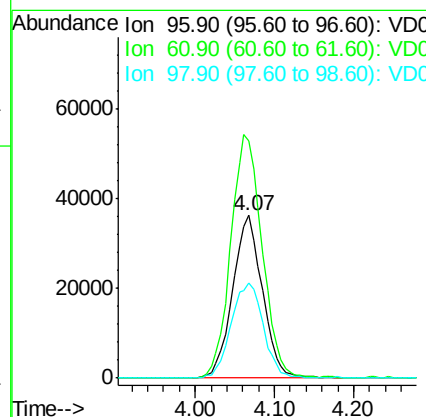
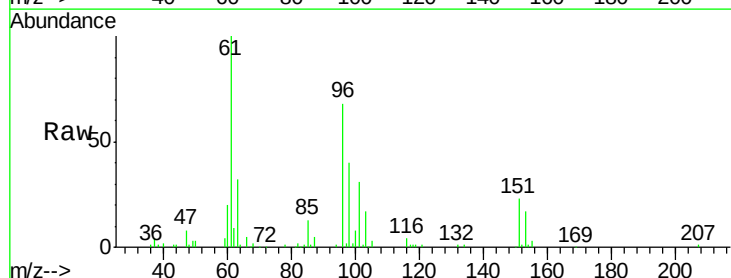
MMDadoda
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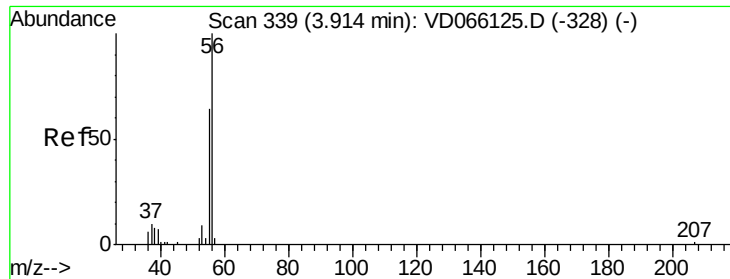


#12

1,1-Dichloroethene
 Concen: 46.829 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	121.6	182.4
98	58.3	52.0	78.0





#13

Acrolein

Concen: 195.832 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31584

Ion Ratio Lower Upper

56 100

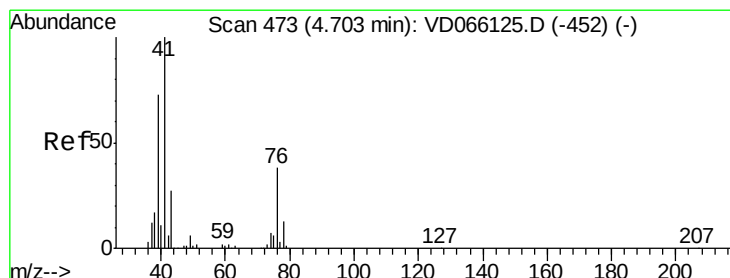
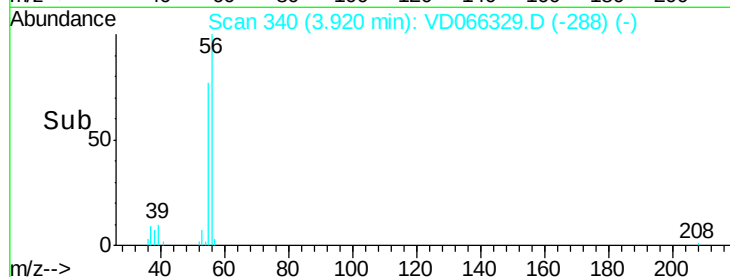
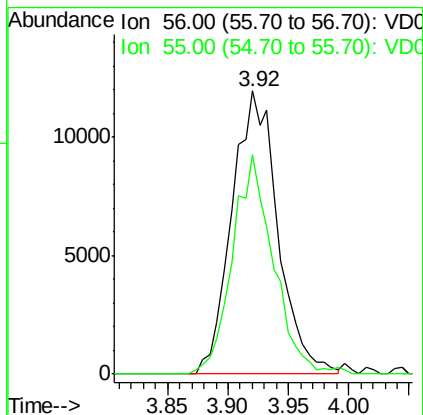
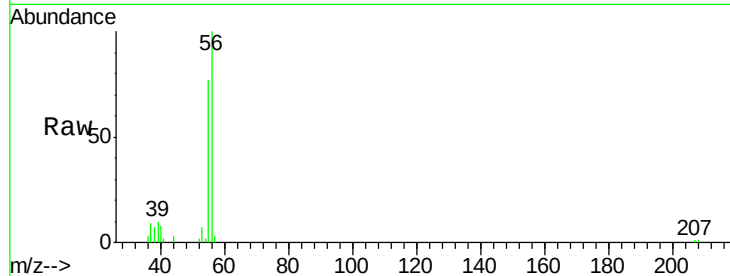
55 69.2 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.078 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

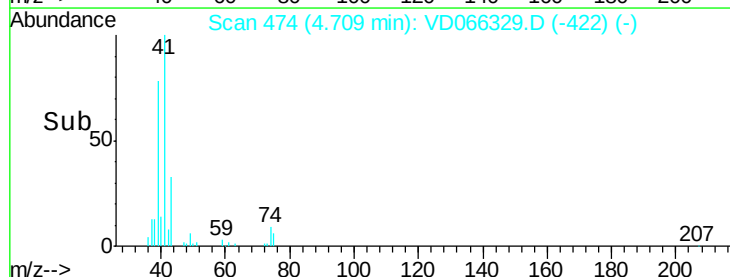
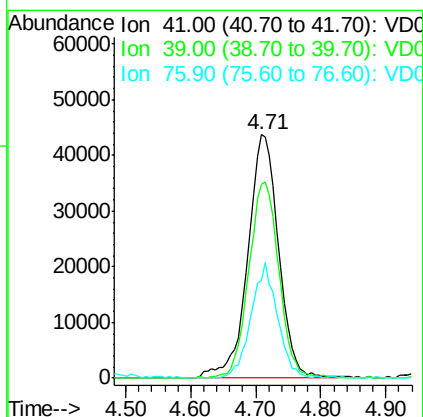
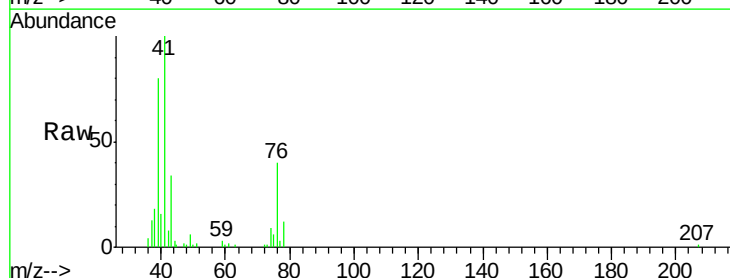
Tgt Ion: 41 Resp: 143453

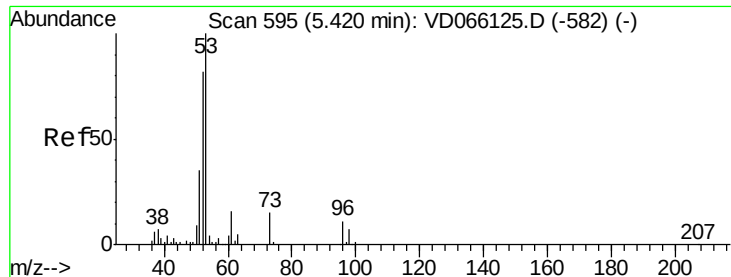
Ion Ratio Lower Upper

41 100

39 78.4 57.4 86.0

76 40.5 30.1 45.1





#15

Acrylonitrile

Concen: 252.594 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

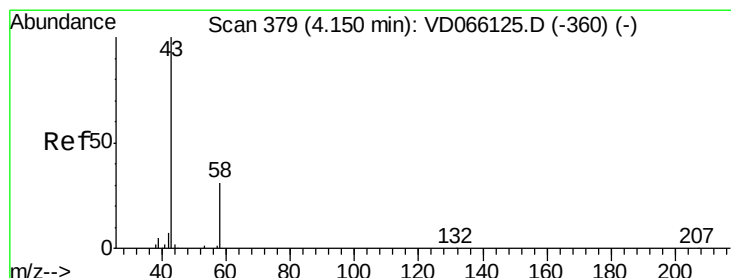
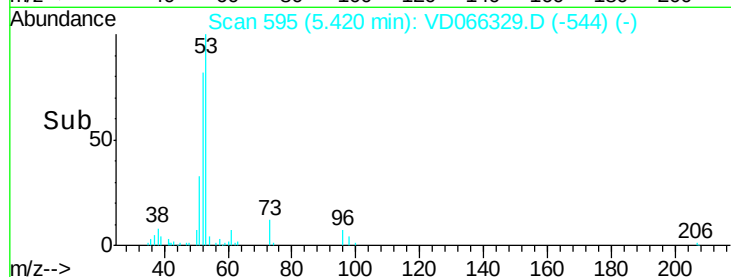
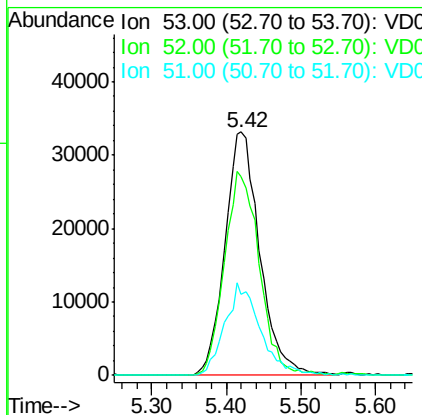
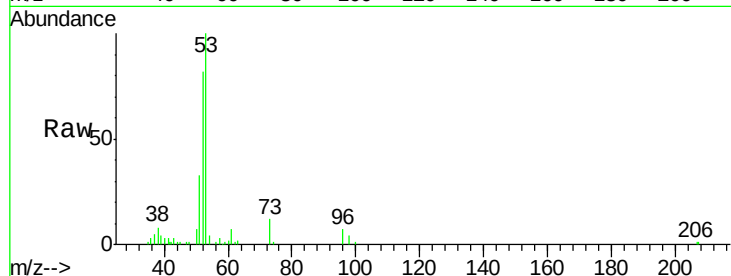
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	107901
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.1	99.1
51	38.3	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 228.356 ug/l

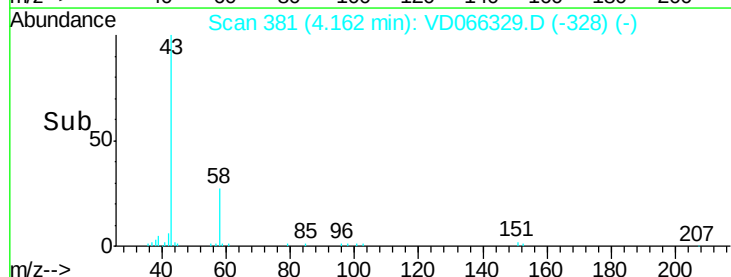
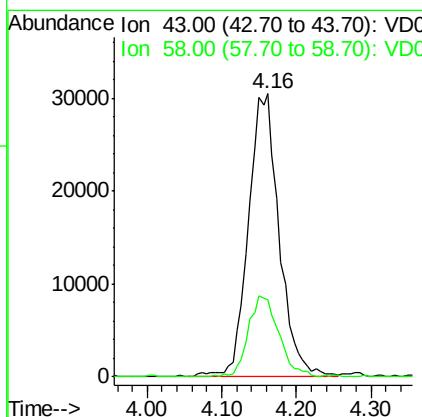
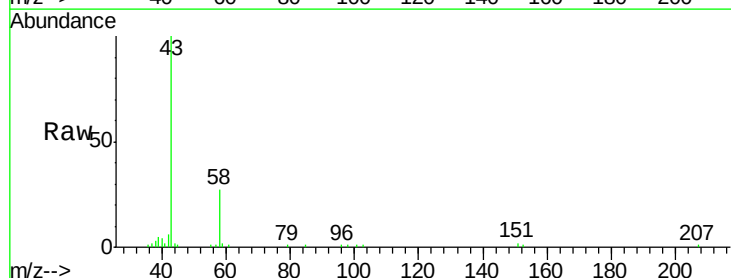
RT: 4.16 min Scan# 381

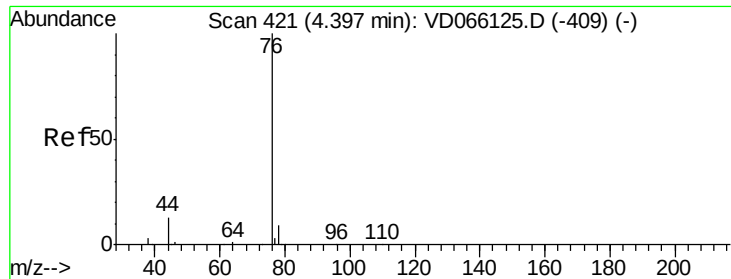
Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	43	Resp:	87793
Ion Ratio	Lower	Upper	
43	100		
58	27.5	24.7	37.1





#17

Carbon Disulfide

Concen: 39.641 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 253509

Ion Ratio Lower Upper

76 100

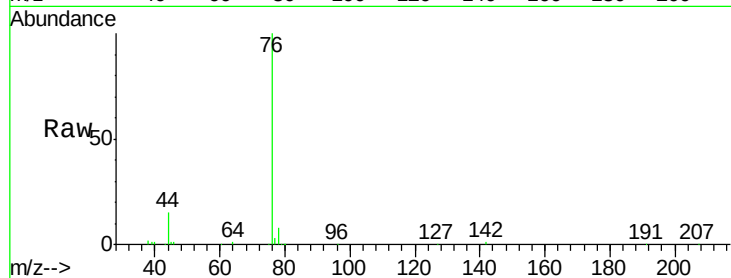
78 8.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

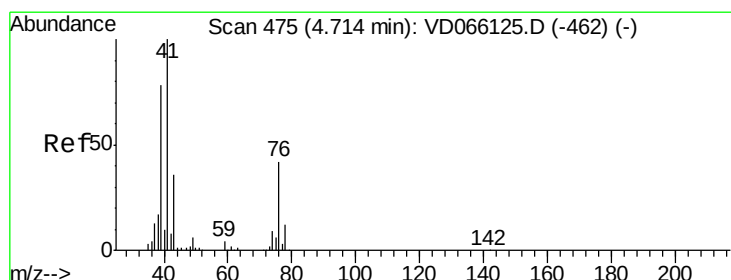
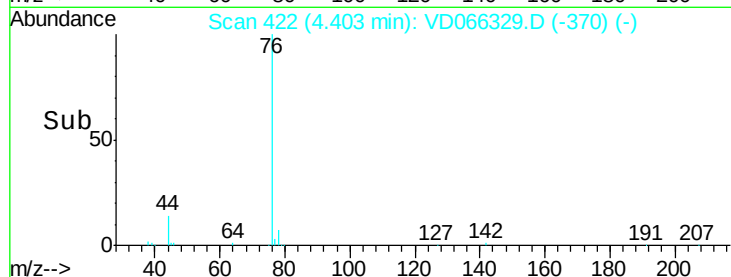
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.152 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066329.D

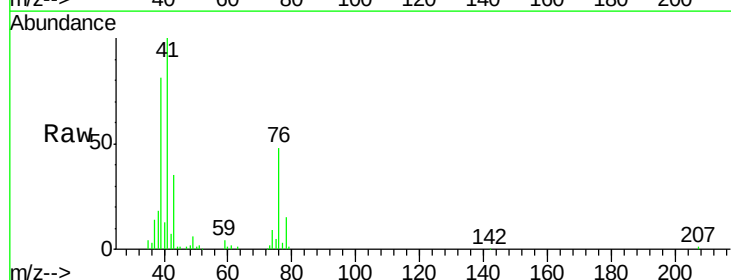
Acq: 19 Aug 2020 20:02

Tgt Ion: 43 Resp: 49952

Ion Ratio Lower Upper

43 100

74 25.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

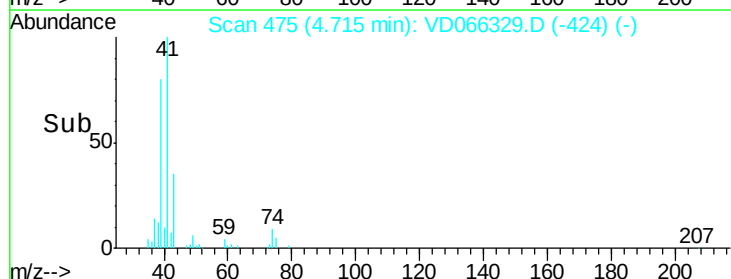
15000

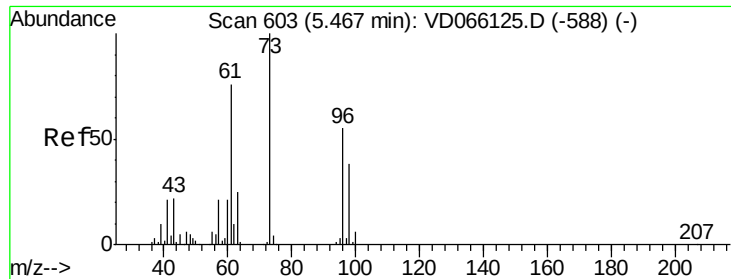
10000

5000

0

Time-->





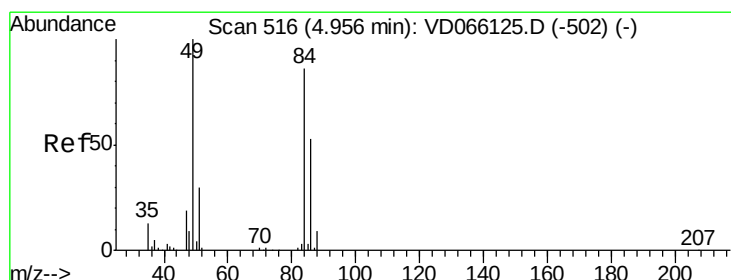
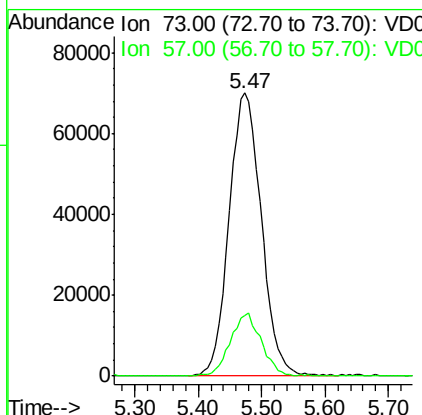
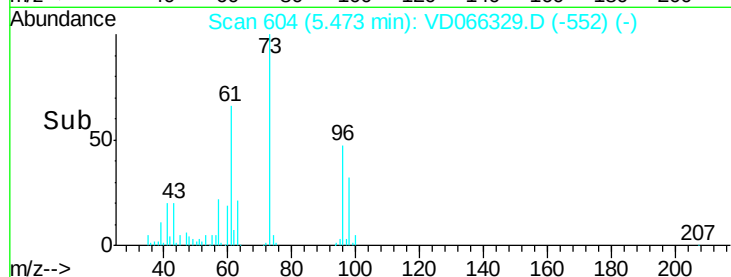
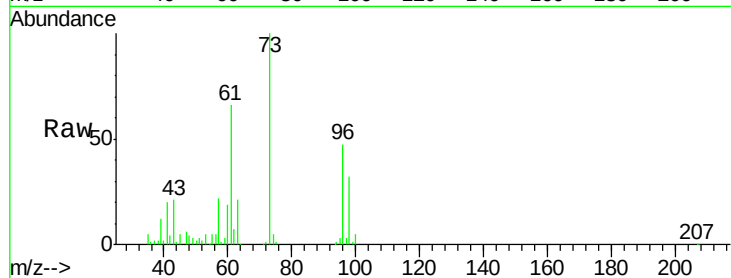
#19
Methyl tert-butyl Ether
Concen: 53.619 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 247190
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7

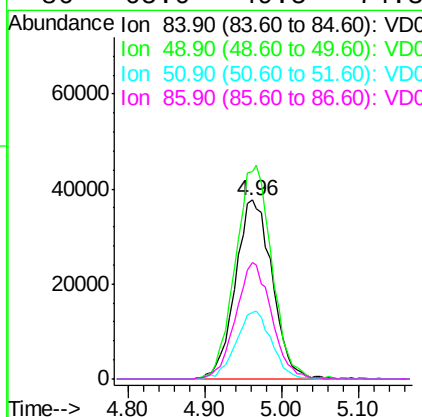
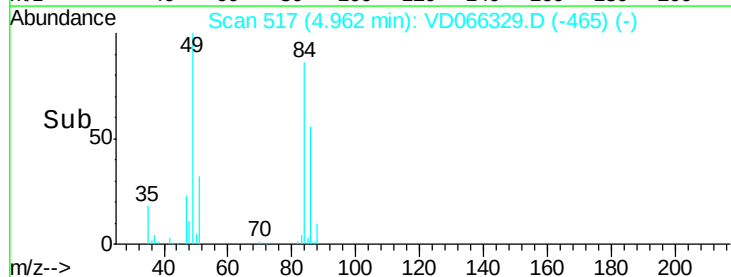
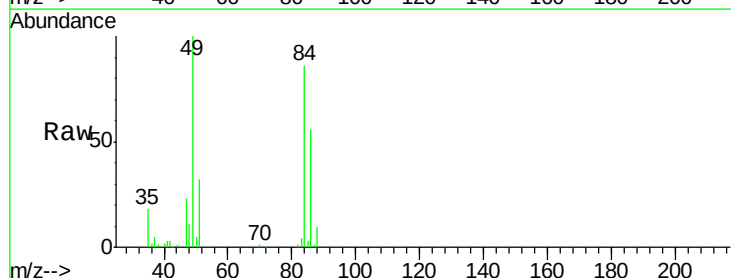
Manual Integrations
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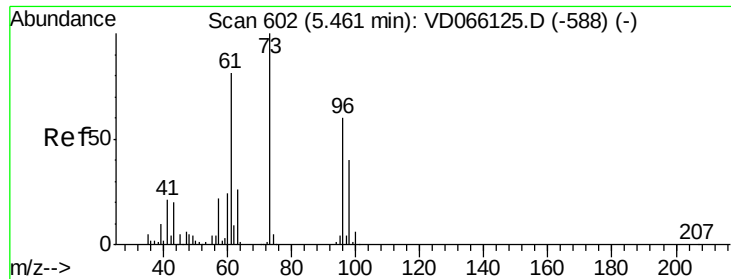
MMDadoda
8/20/2020 3:36:56 PM



#20
Methylene Chloride
Concen: 57.970 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 84 Resp: 126350
Ion Ratio Lower Upper
84 100
49 116.1 93.5 140.3
51 37.4 28.2 42.4
86 65.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.195 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

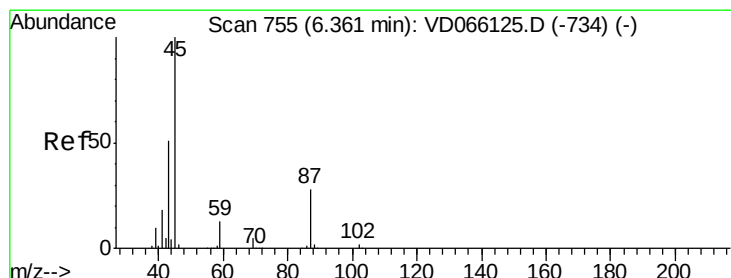
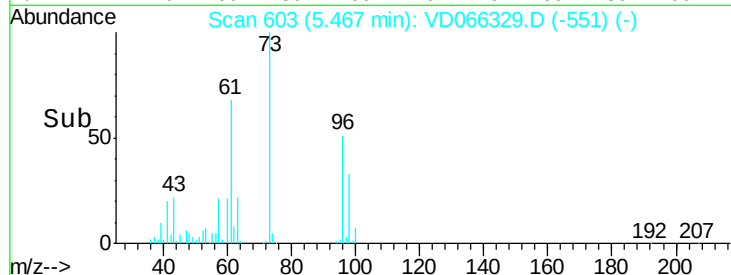
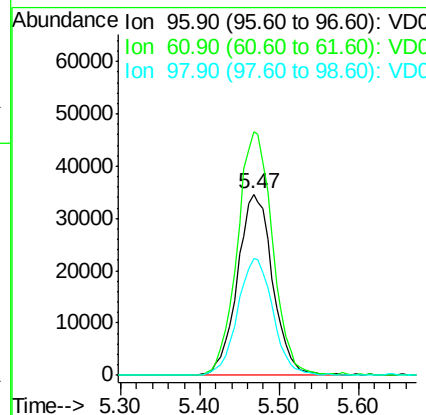
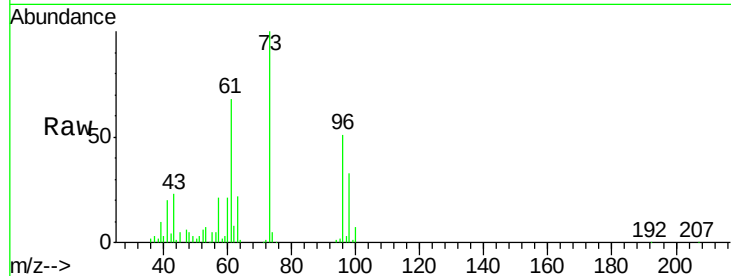
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106736
Ion	Ratio	Lower	Upper
96	100		
61	134.2	106.9	160.3
98	64.5	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.469 ug/l

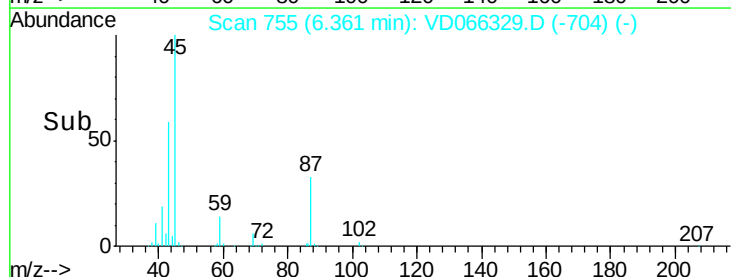
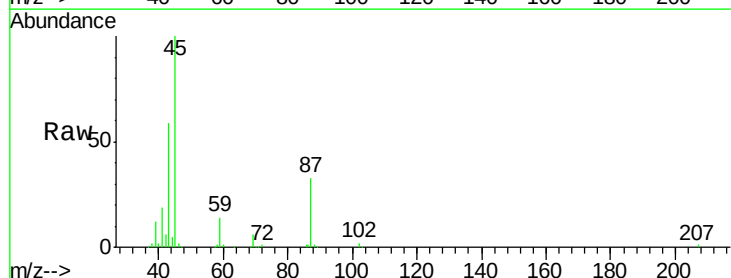
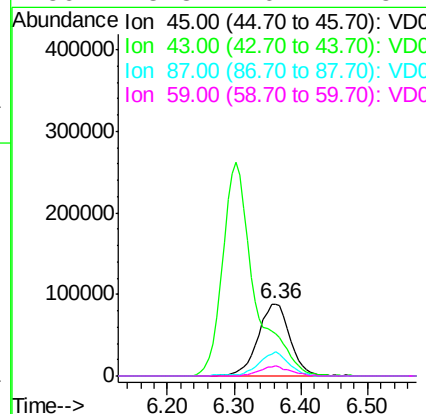
RT: 6.36 min Scan# 755

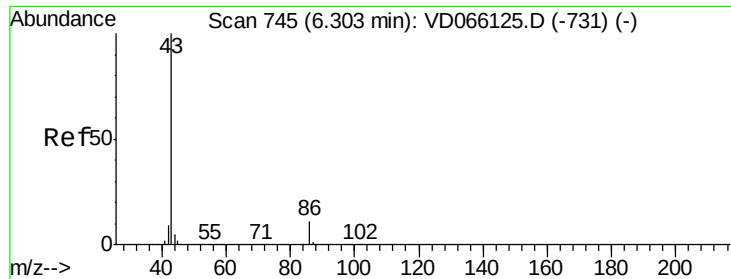
Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	45	Resp:	292064
Ion	Ratio	Lower	Upper
45	100		
43	58.4	41.2	61.8
87	33.1	22.8	34.2
59	13.8	10.2	15.2





#23

Vinyl Acetate

Concen: 248.084 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 875769

Ion Ratio Lower Upper

43 100

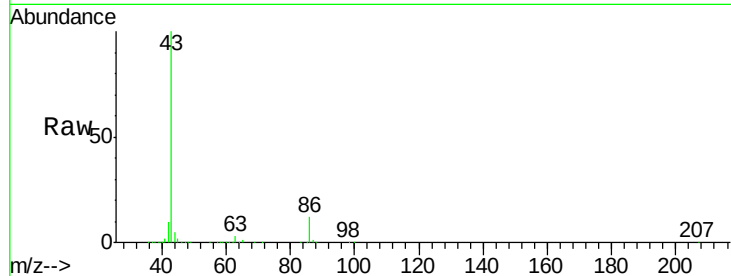
86 11.6 9.1 13.7

Manual Integrations

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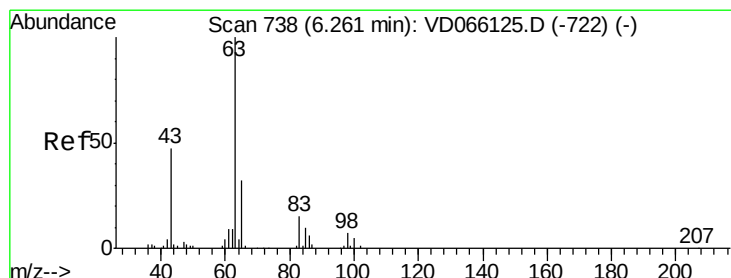
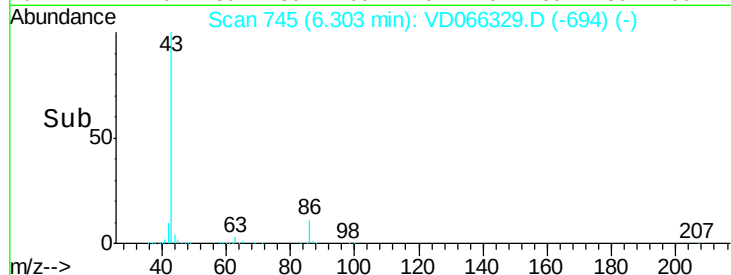
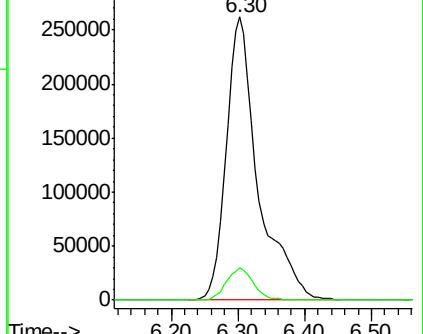
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.257 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

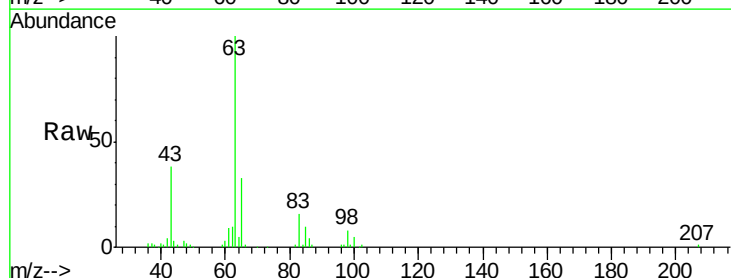
Tgt Ion: 63 Resp: 187415

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.5

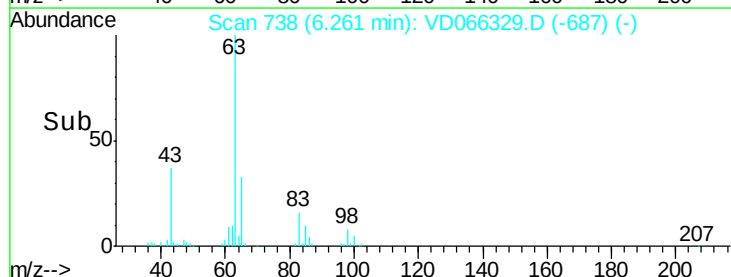
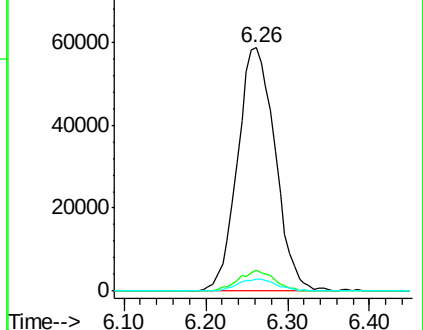
100 5.0 2.4 7.2

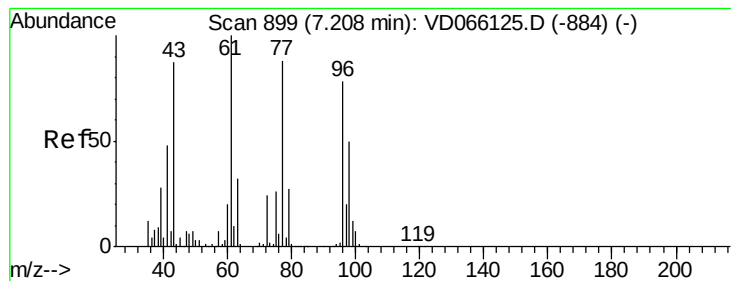


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 225.763 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 127661

Ion Ratio Lower Upper

43 100

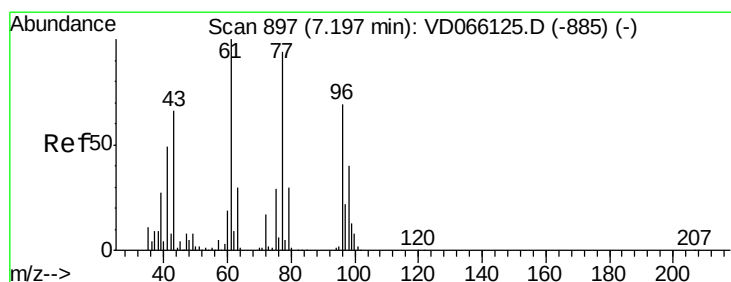
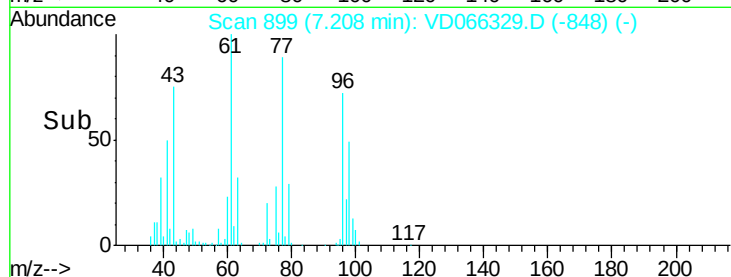
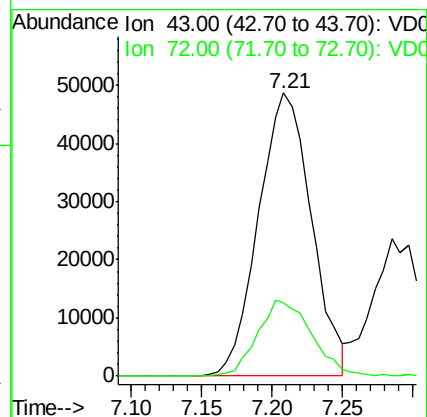
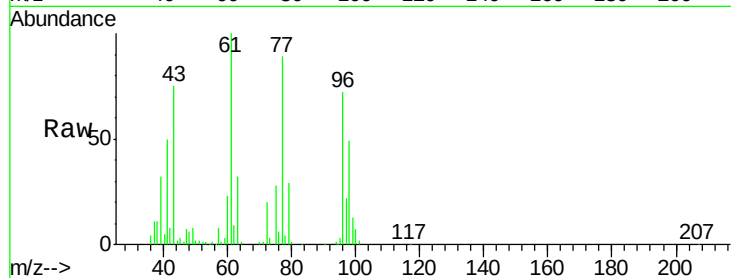
72 26.2 22.2 33.2

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 52.201 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066329.D

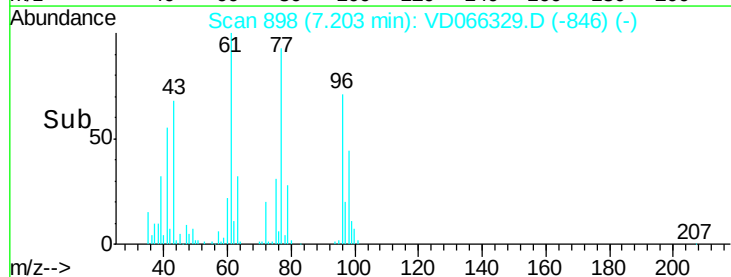
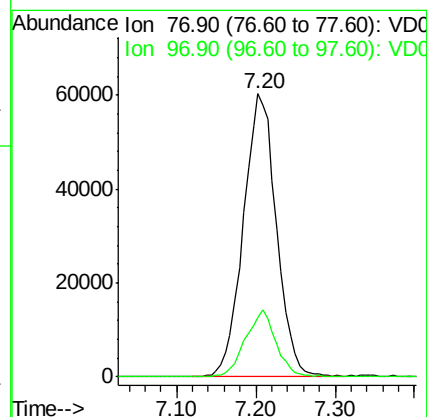
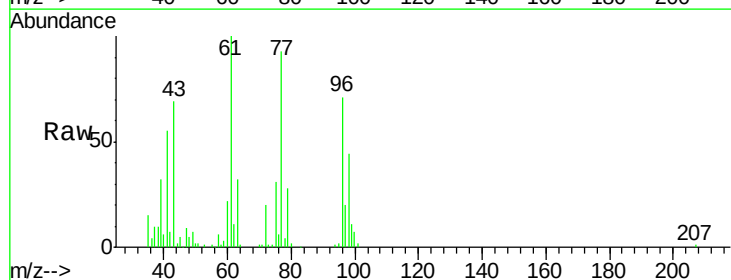
Acq: 19 Aug 2020 20:02

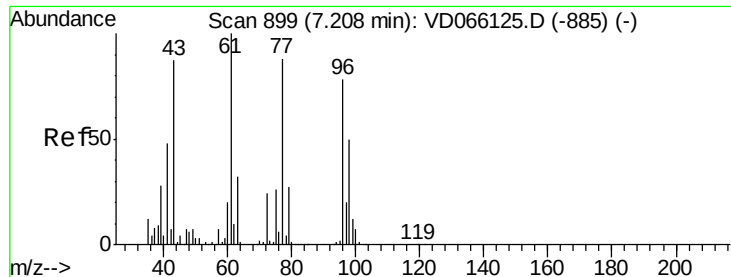
Tgt Ion: 77 Resp: 174471

Ion Ratio Lower Upper

77 100

97 21.9 11.8 35.3





#27

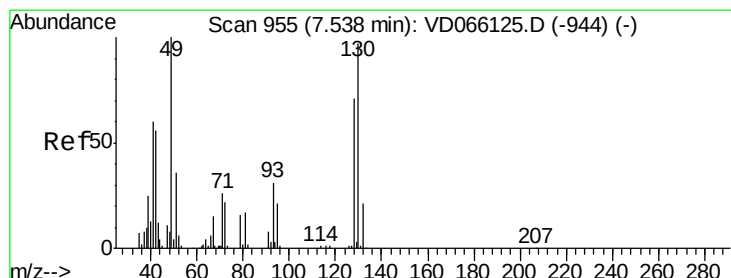
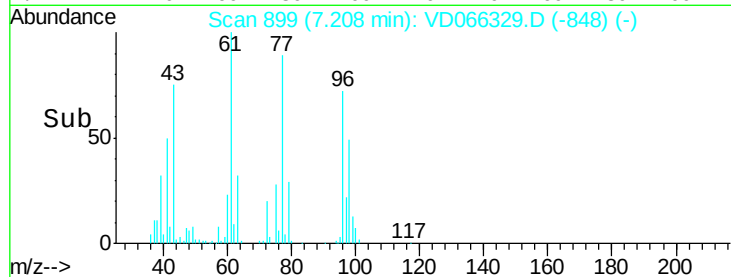
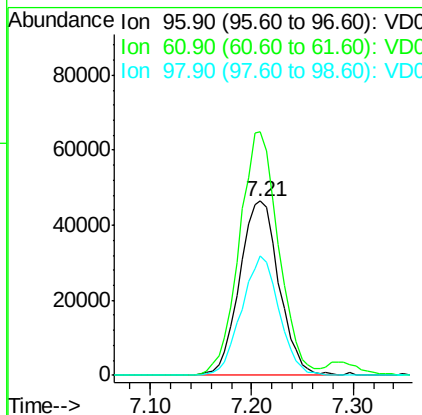
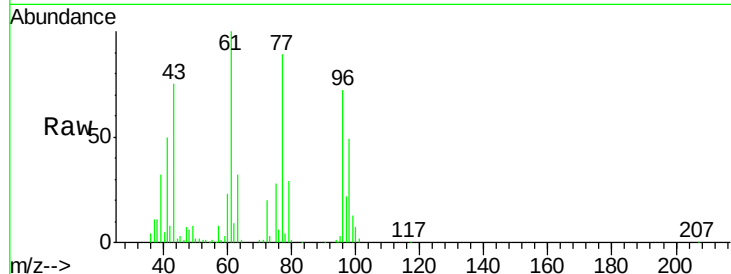
cis-1,2-Dichloroethene
Concen: 51.769 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125463		
61	138.8	0.0	281.6	
98	65.7	0.0	130.8	

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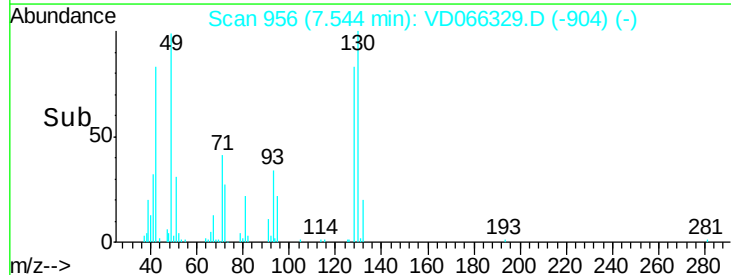
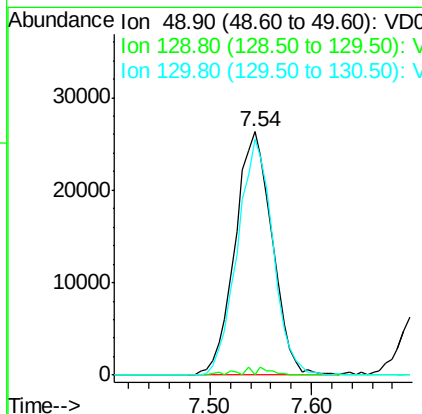
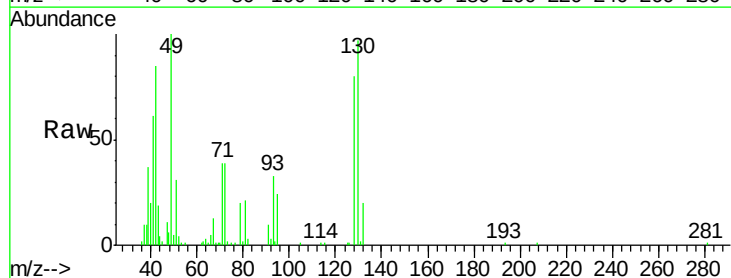
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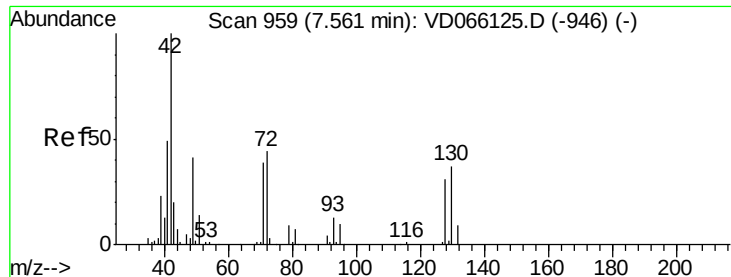


#28

Bromochloromethane
Concen: 51.259 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67137		
129	1.2	0.0	6.0	
130	92.4	73.8	110.6	





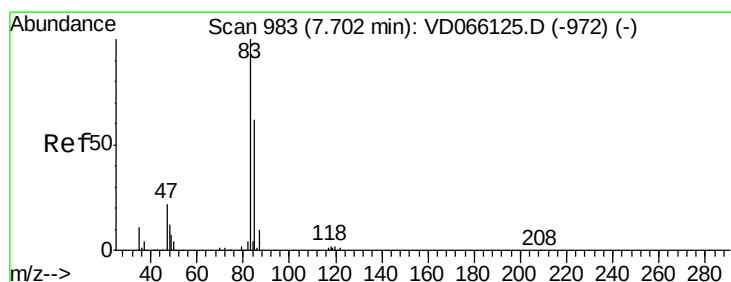
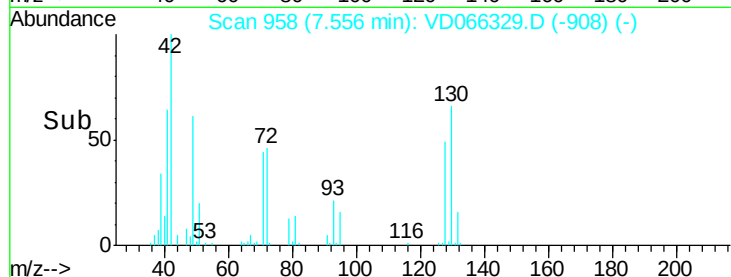
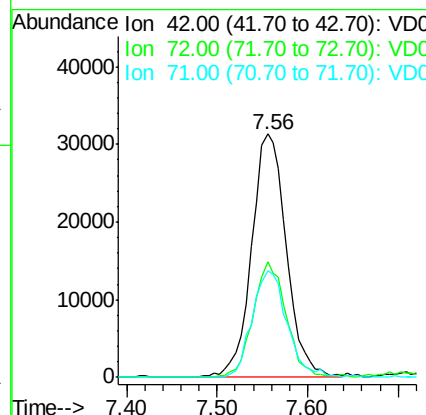
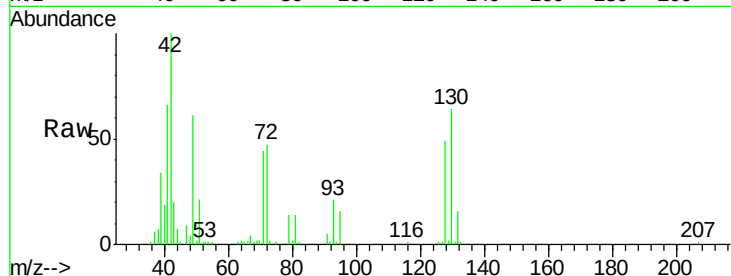
#29
Tetrahydrofuran
Concen: 238.461 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.8	52.2
71	43.9	33.5	50.3

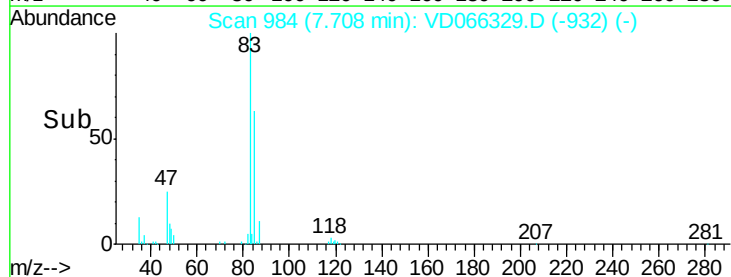
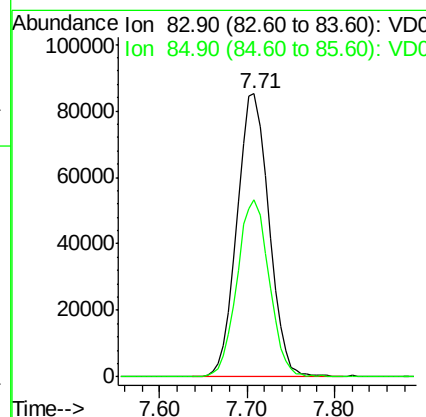
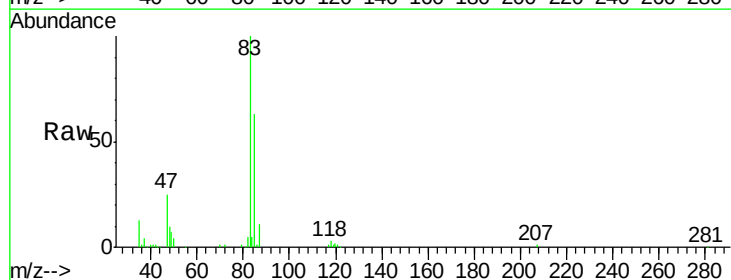
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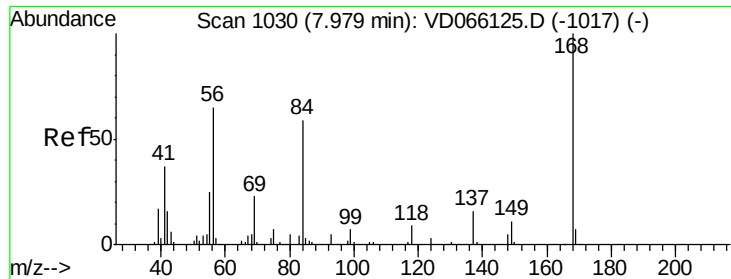
MMDadoda
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#30
Chloroform
Concen: 53.946 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.5	74.3





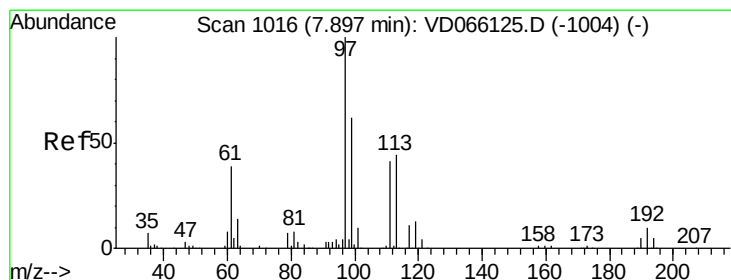
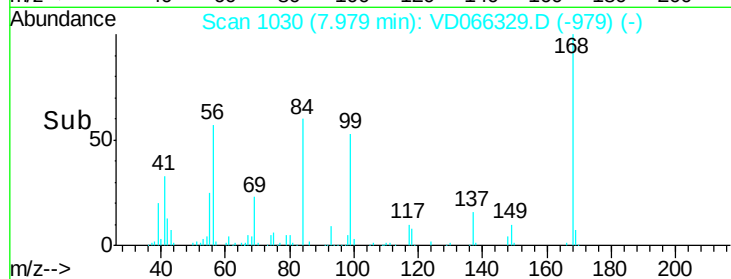
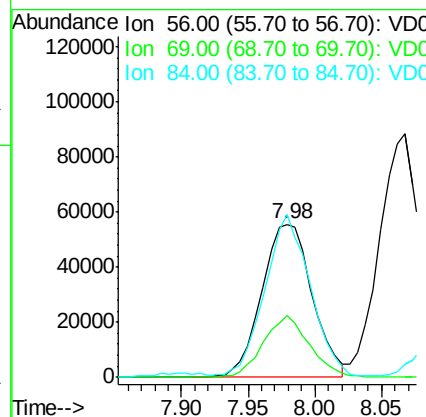
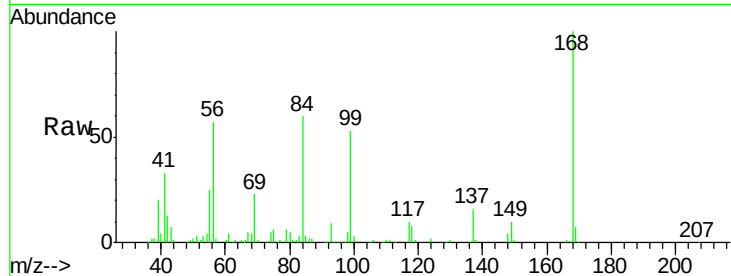
#31
Cyclohexane
Concen: 41.038 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.6	28.8	43.2
84	104.1	73.0	109.6

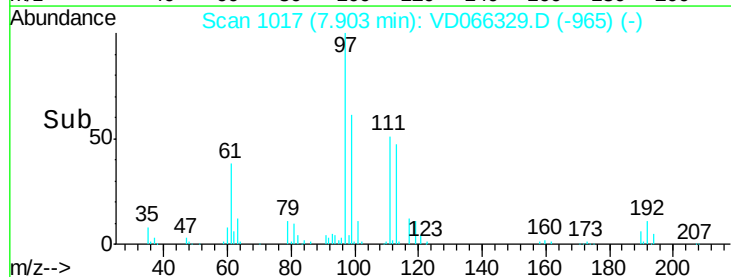
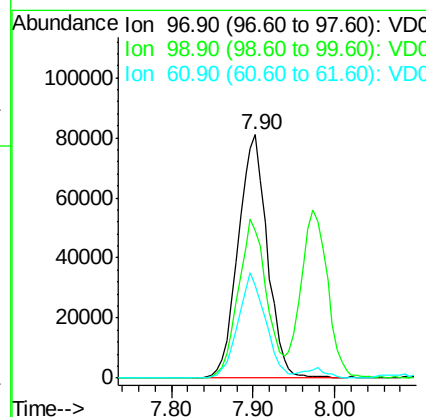
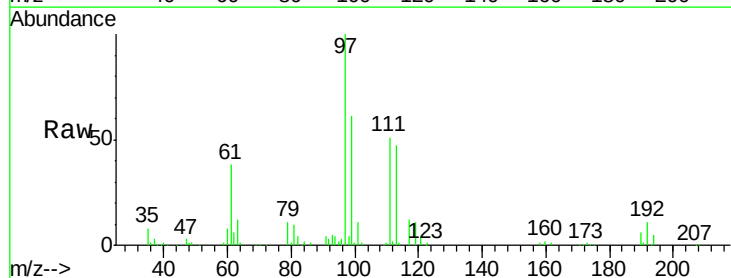
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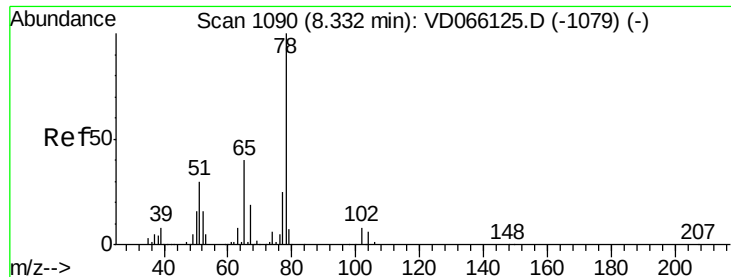
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.688 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	40.9	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 56.937 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 115366

Ion Ratio Lower Upper

65 100

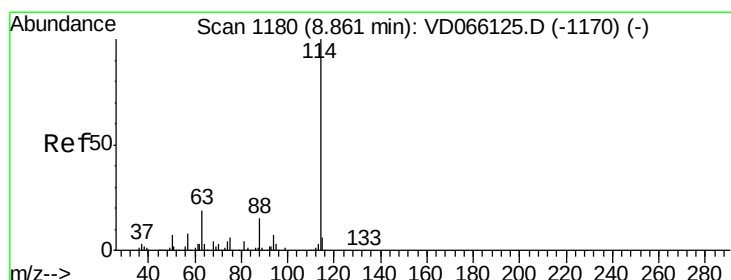
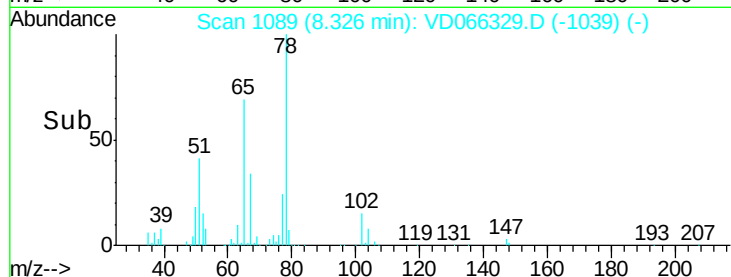
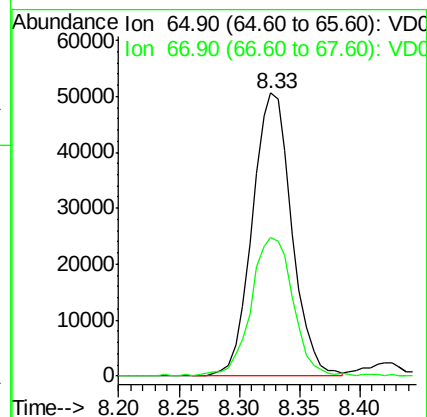
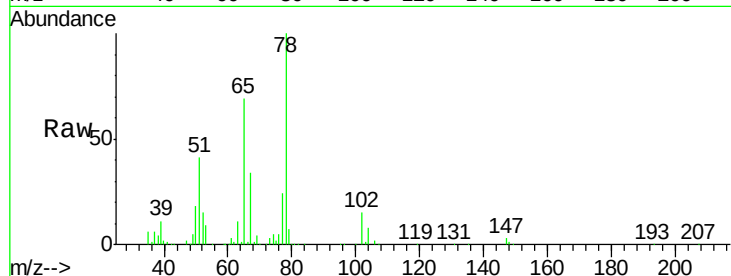
67 52.2 0.0 104.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

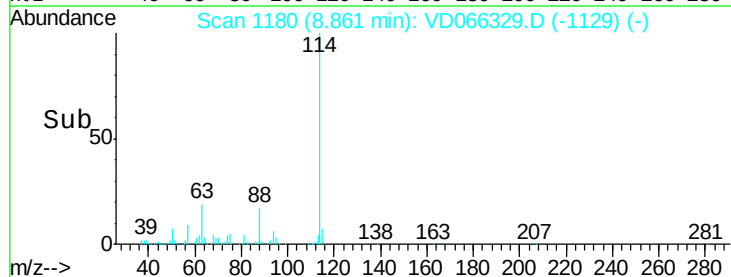
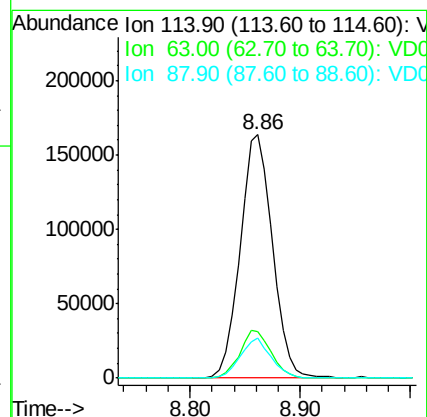
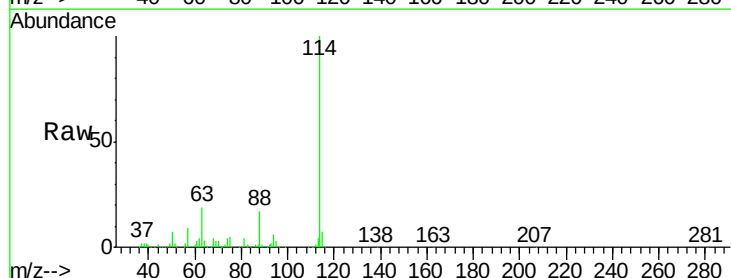
Tgt Ion: 114 Resp: 336701

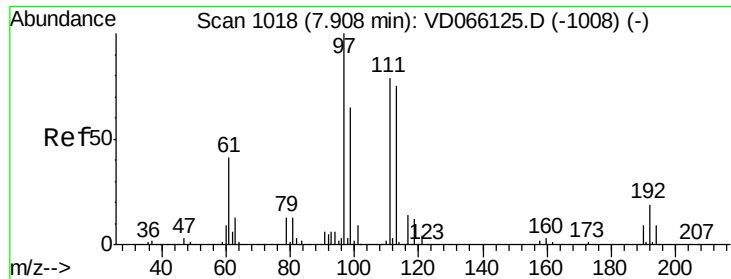
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 16.6 0.0 30.0





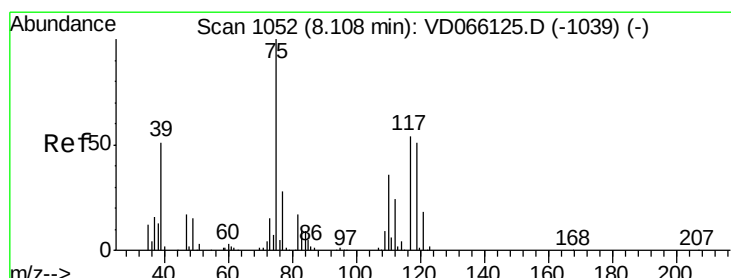
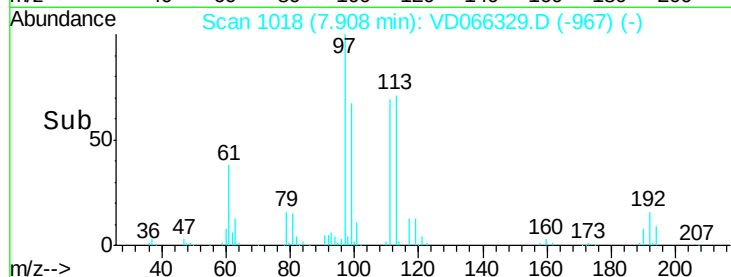
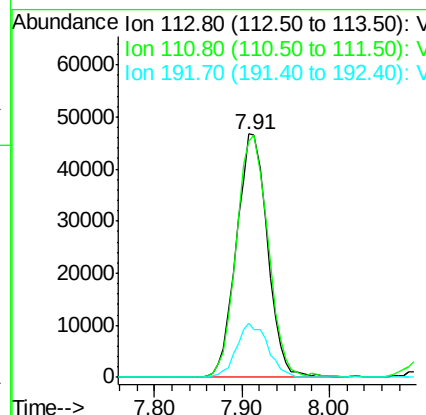
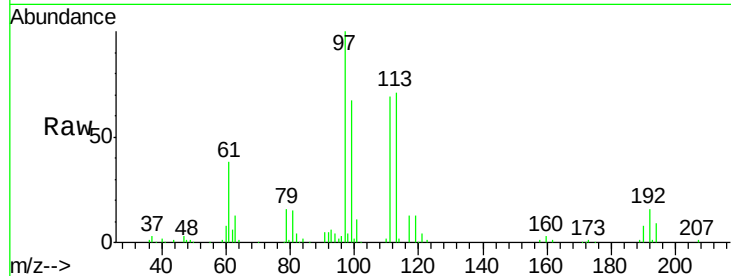
#35
 Dibromofluoromethane
 Concen: 52.798 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112617		
111	101.3	80.7	121.1	
192	22.5	18.4	27.6	

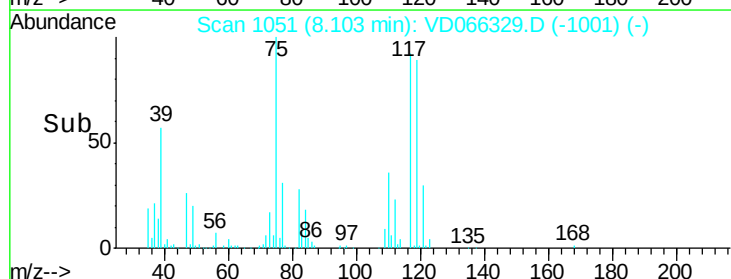
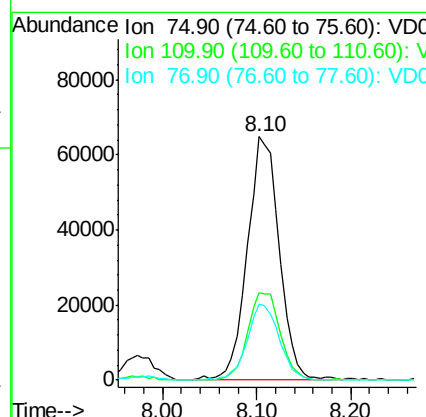
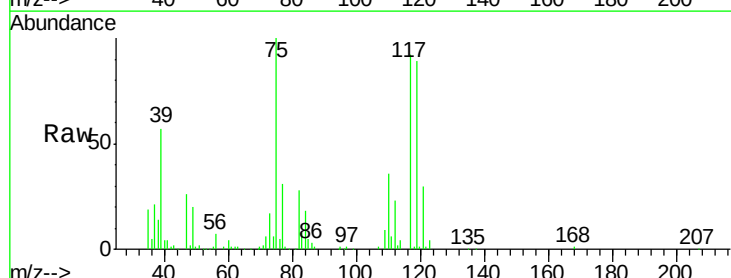
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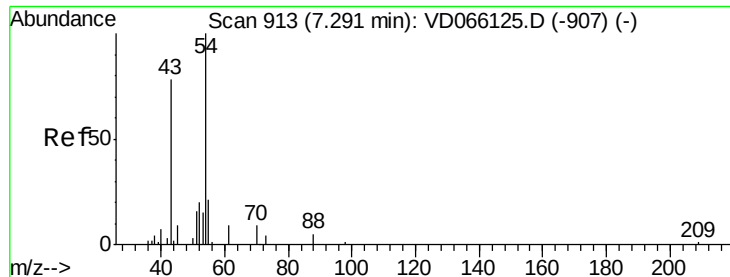
MMDadoda
 8/20/2020 3:36:56 PM



#36
 1,1-Dichloropropene
 Concen: 48.332 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152920		
110	36.7	18.8	56.3	
77	31.6	24.2	36.2	





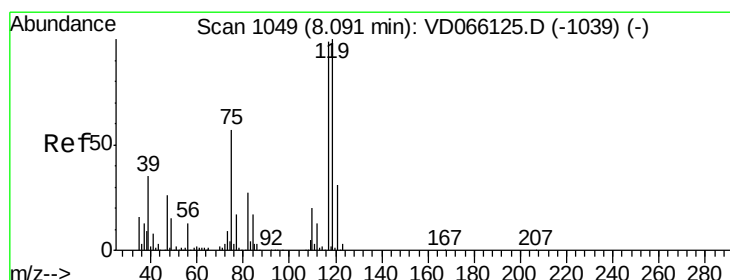
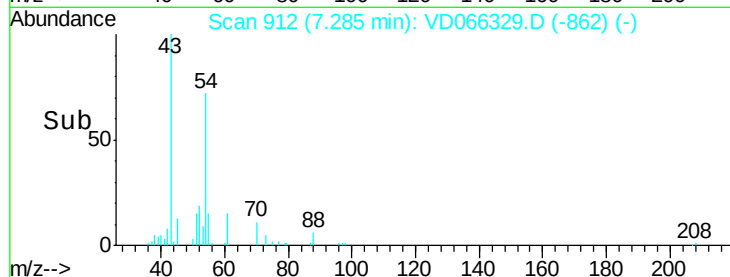
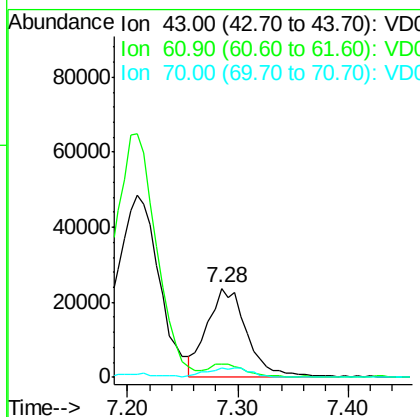
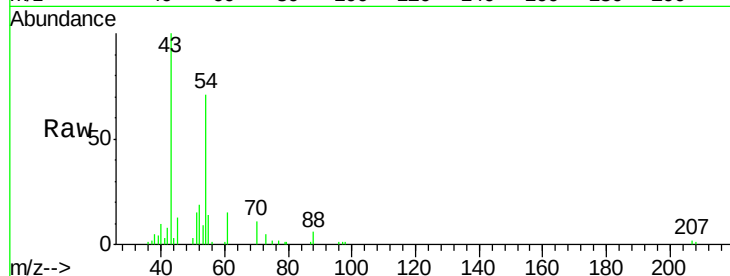
#37
Ethyl Acetate
Concen: 46.781 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	11.5	9.7	14.5

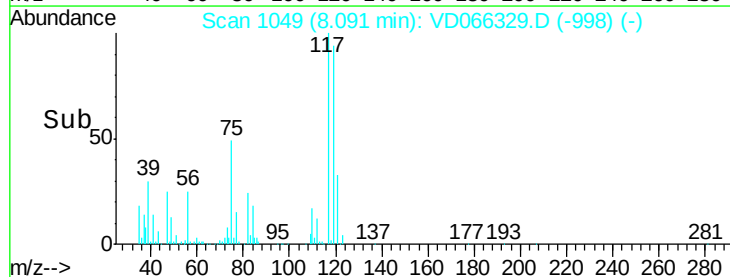
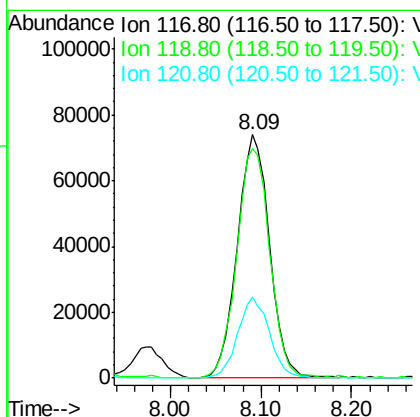
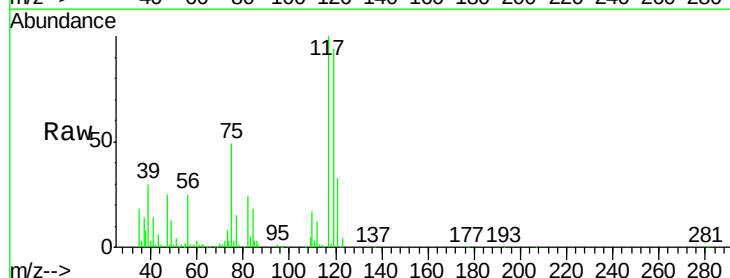
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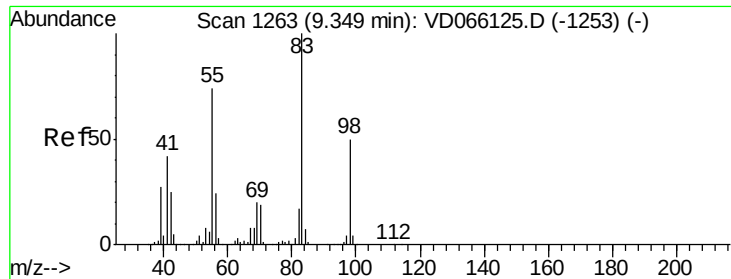
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#38
Carbon Tetrachloride
Concen: 51.934 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	81.0	121.4
121	33.4	24.8	37.2





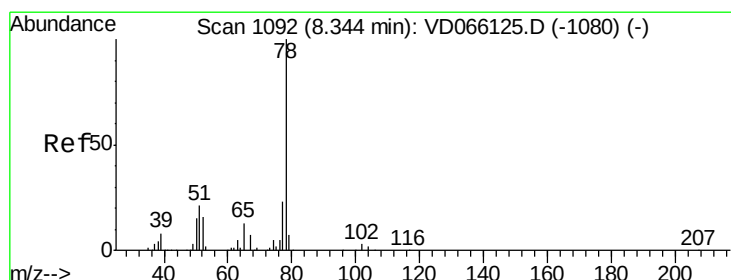
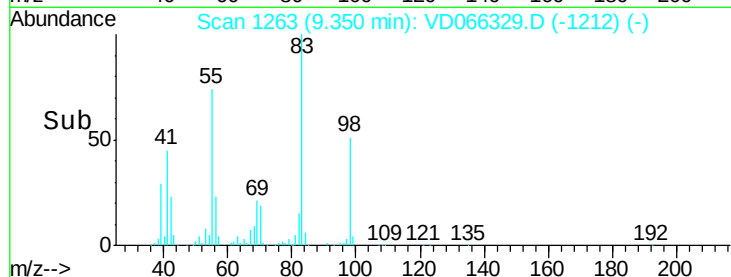
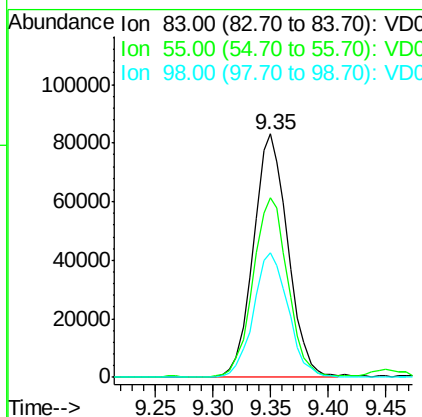
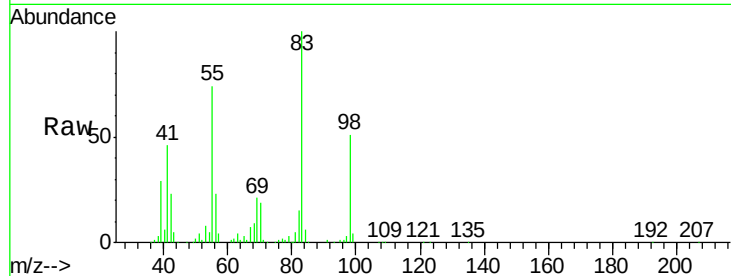
#39
Methylvlcyclohexane
Concen: 45.118 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	172564		
55	73.8		59.2	88.8
98	51.4		39.8	59.6

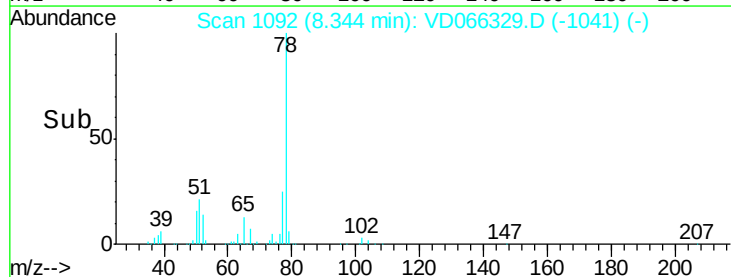
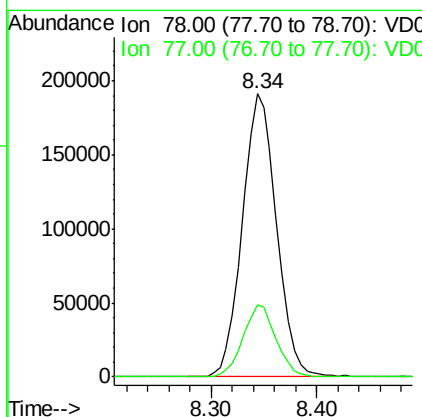
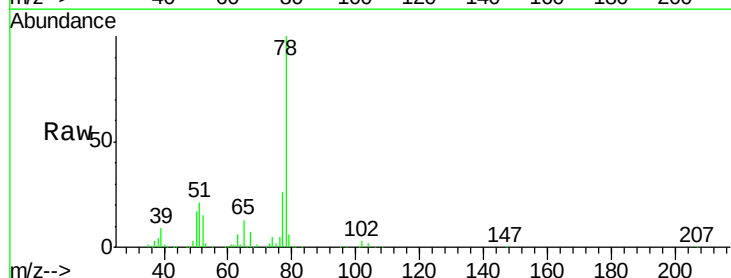
Manual Integrations
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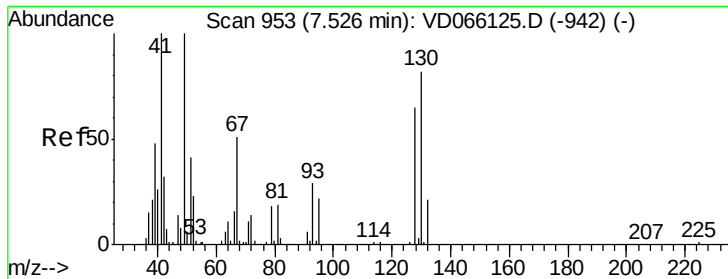
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#40
Benzene
Concen: 48.755 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	427924		
77	25.5		18.6	27.8





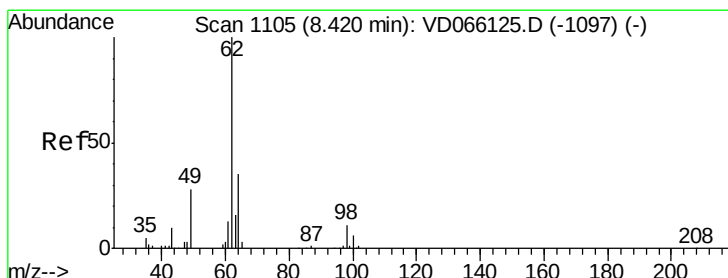
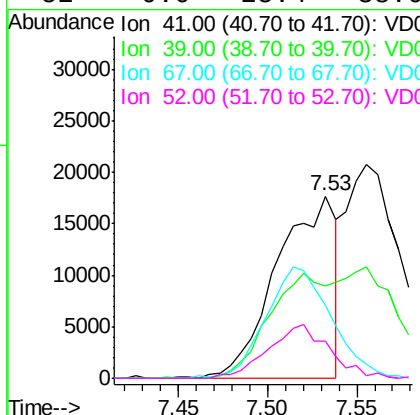
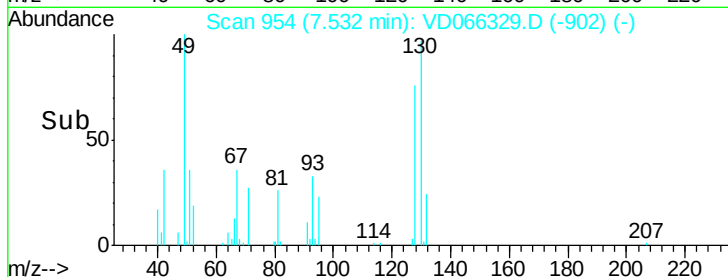
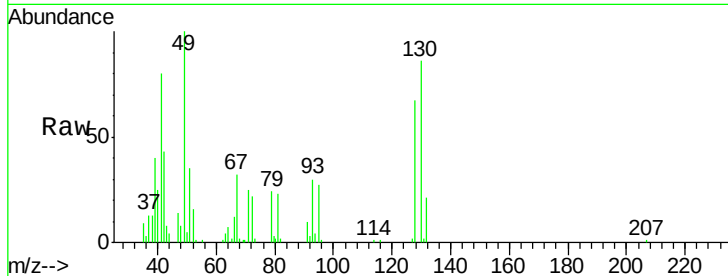
#41
Methacrylonitrile
Concen: 55.113 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

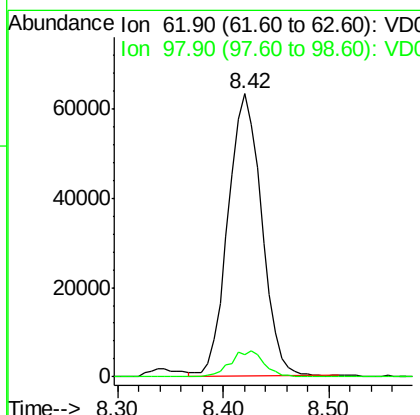
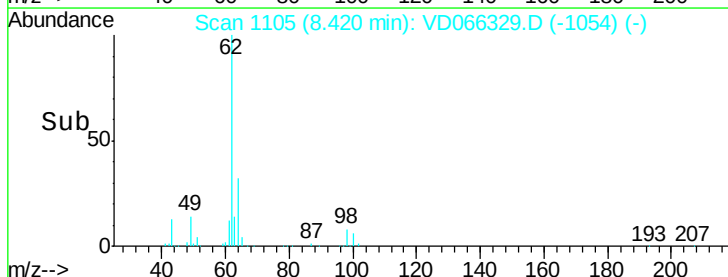
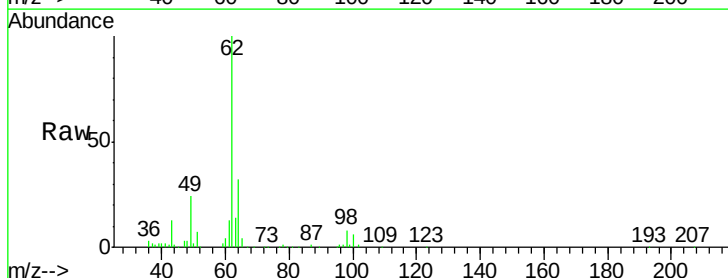
Manual Integrations
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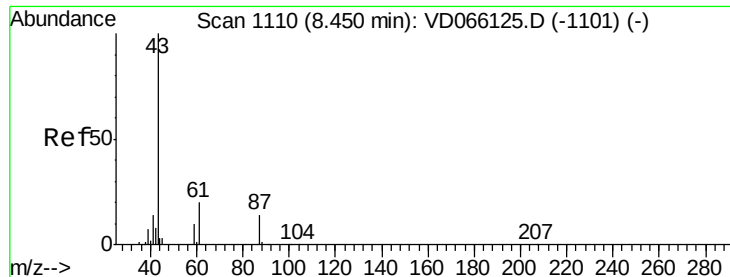
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#42
1,2-Dichloroethane
Concen: 54.079 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 50.422 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

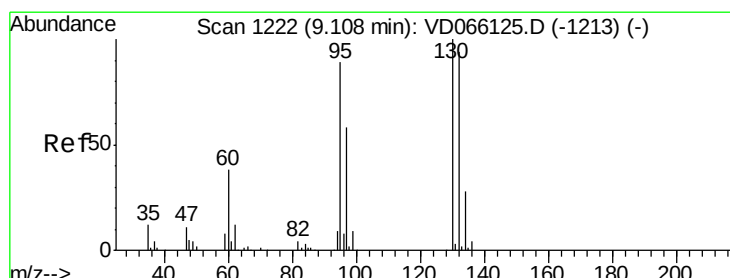
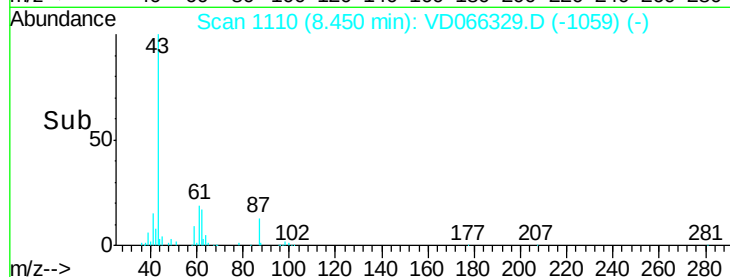
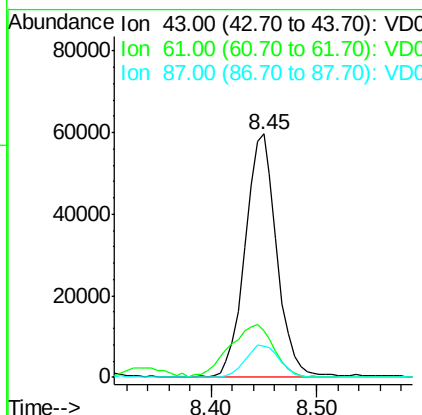
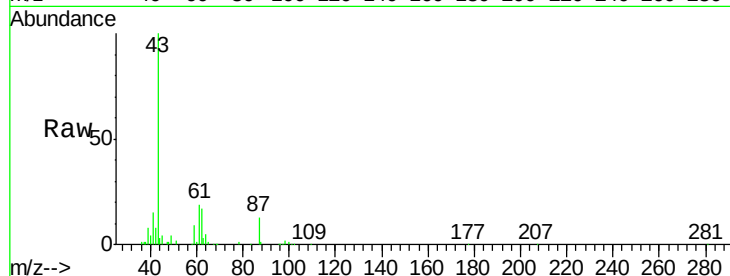
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	124542
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	14.4	11.2	16.8

Manual Integrations
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#44

Trichloroethene

Concen: 50.624 ug/l

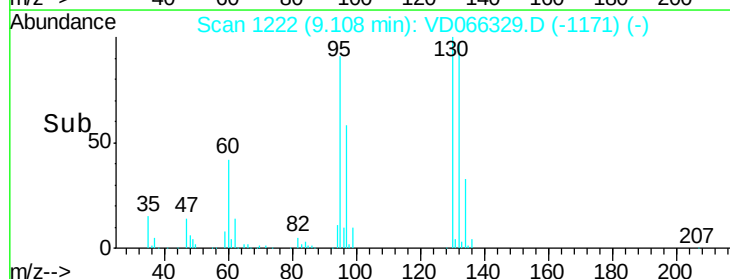
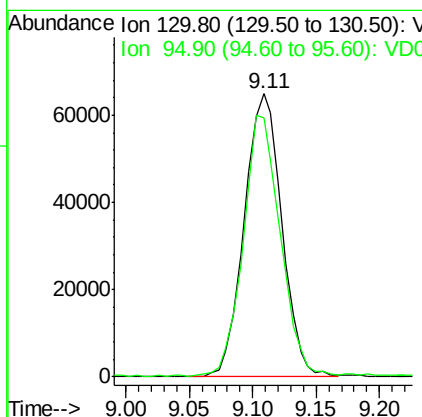
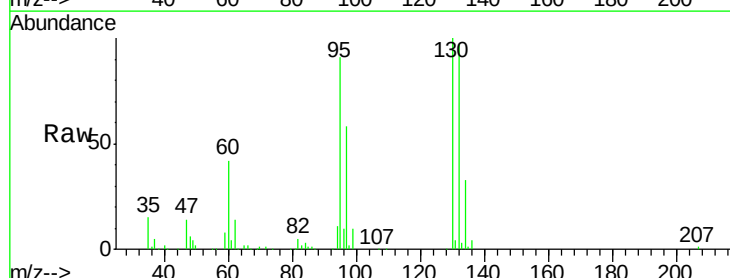
RT: 9.11 min Scan# 1222

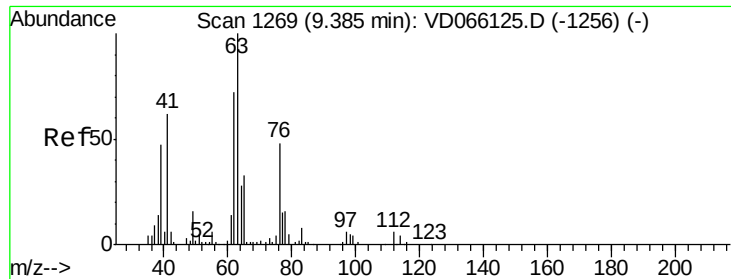
Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	130	Resp:	133893
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	178.4





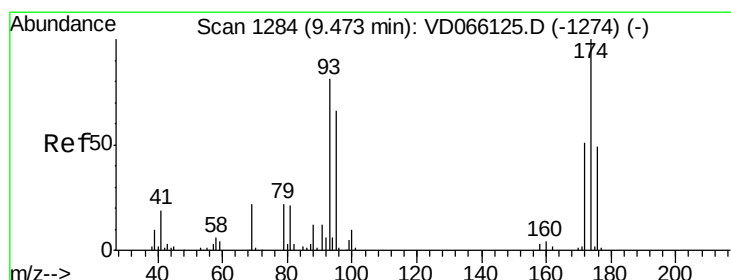
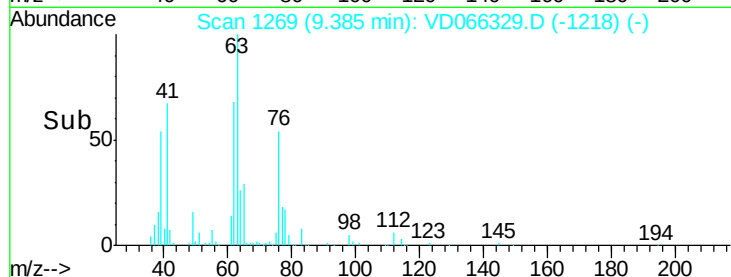
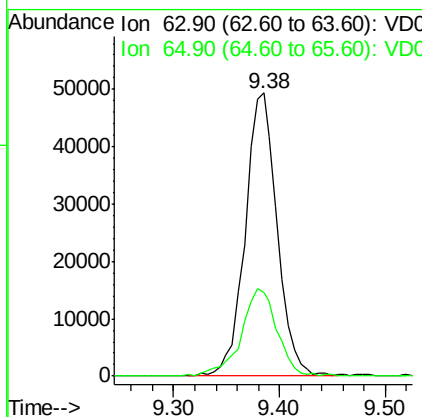
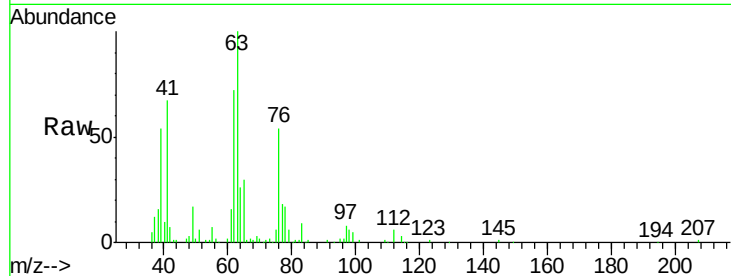
#45
 1,2-Dichloropropane
 Concen: 48.422 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103945
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.5 39.7

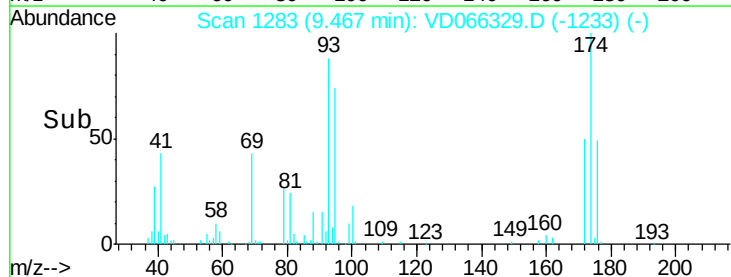
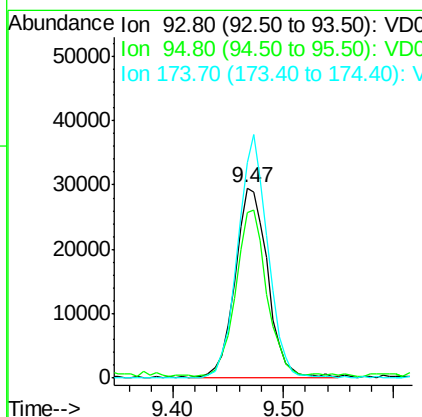
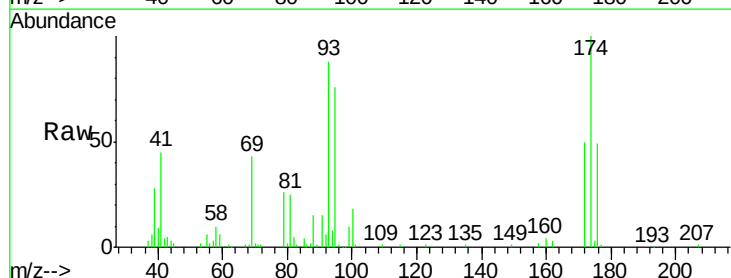
Manual Integrations
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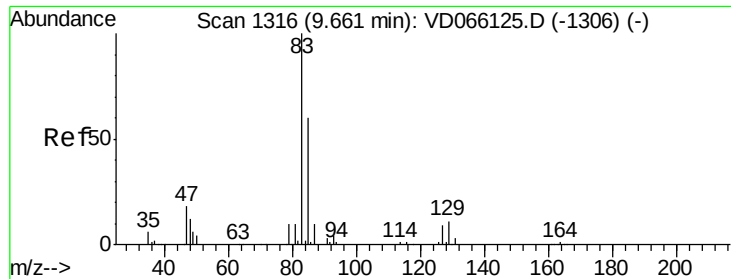
MMDadoda
 8/20/2020 3:36:56 PM



#46
 Dibromomethane
 Concen: 52.176 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 93 Resp: 61694
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.6
 174 117.0 92.8 139.2





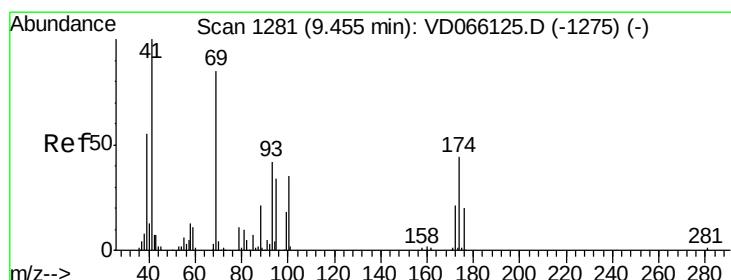
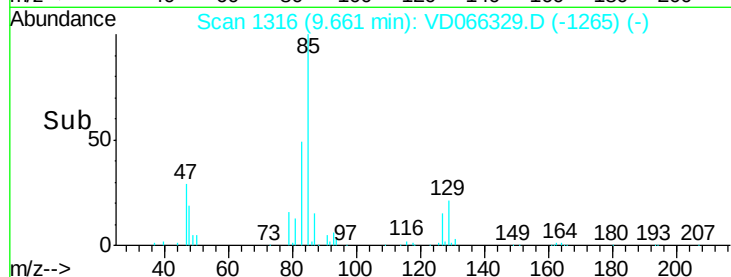
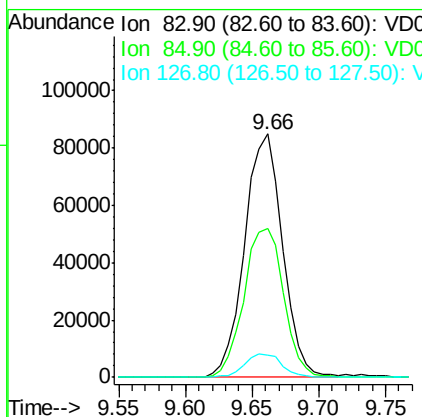
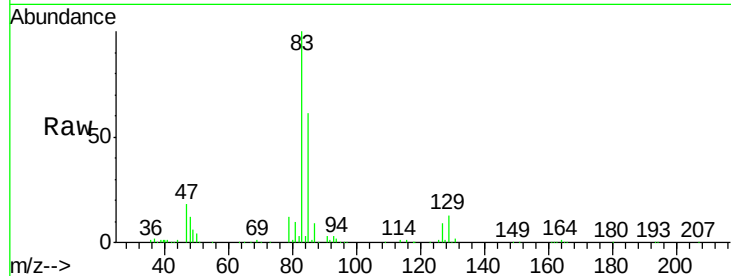
#47
Bromodichloromethane
Concen: 53.426 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	166964		
85	61.3	48.2	72.4	
127	9.2	7.3	10.9	

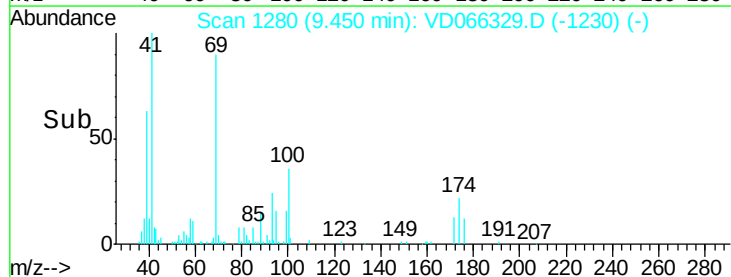
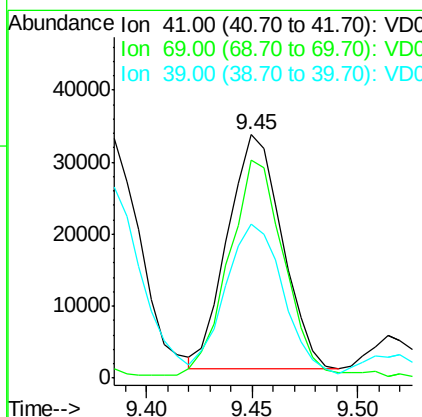
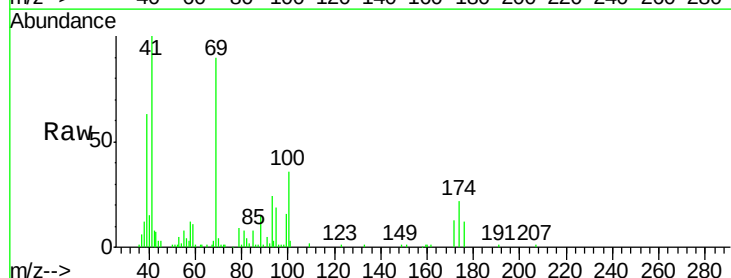
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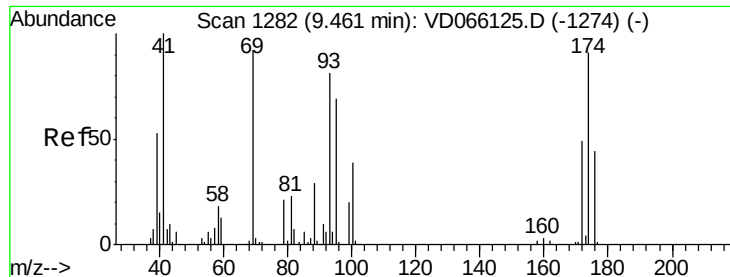
MMDadoda
8/20/2020 3:36:56 PM



#48
Methyl methacrylate
Concen: 45.768 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	57723		
69	96.7	63.9	95.9#	
39	72.3	42.6	64.0#	





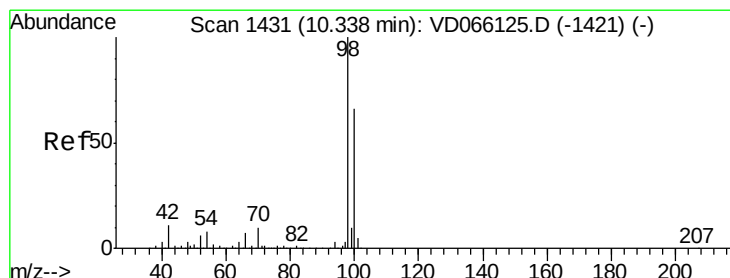
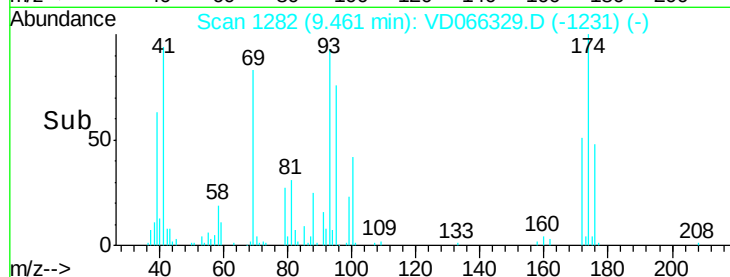
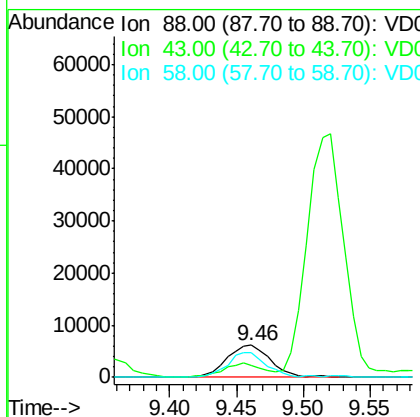
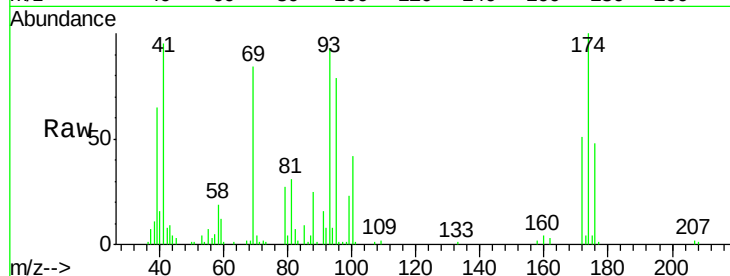
#49
1,4-Dioxane
Concen: 911.118 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	13841
Ion	Ratio	Lower	Upper
88	100		
43	41.7	27.5	41.3#
58	69.4	50.2	75.4

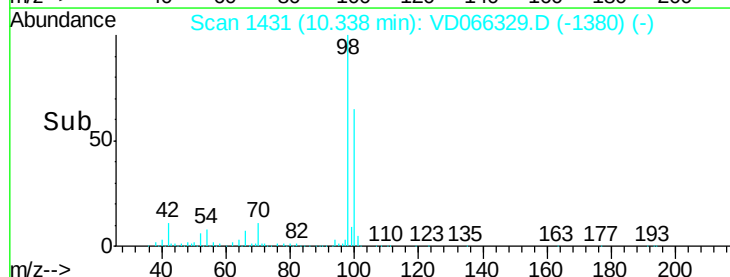
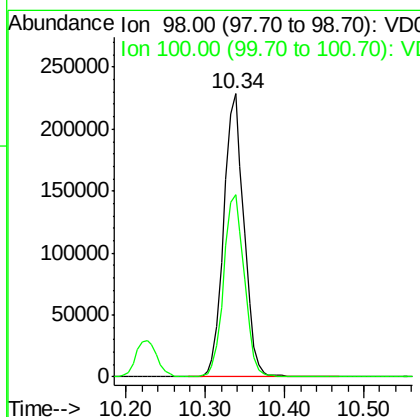
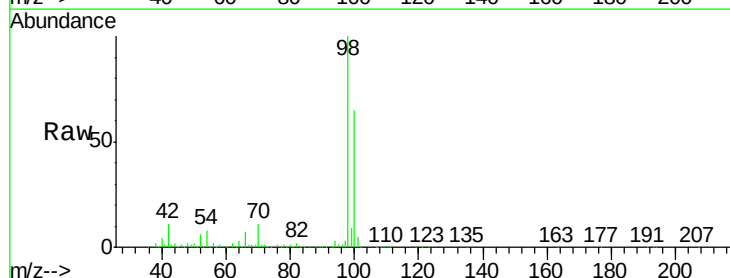
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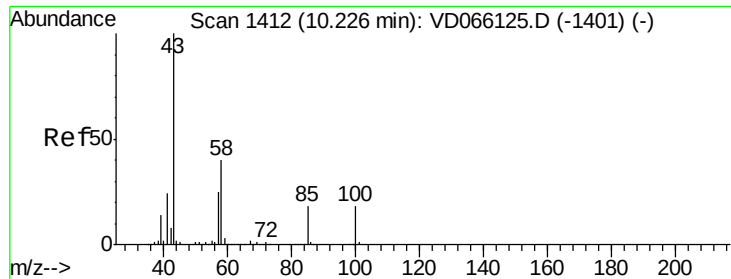
MMDadoda
8/20/2020 3:36:56 PM



#50
Toluene-d8
Concen: 51.396 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	98	Resp	404549
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 244.741 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 310509

Ion Ratio Lower Upper

43 100

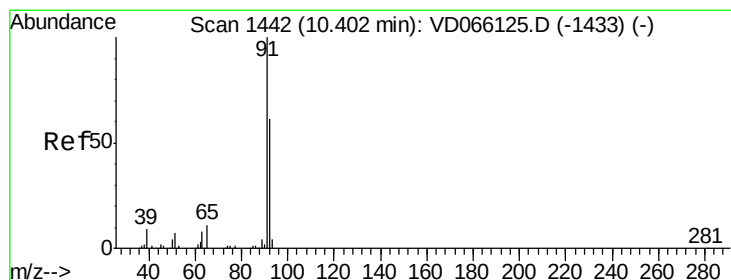
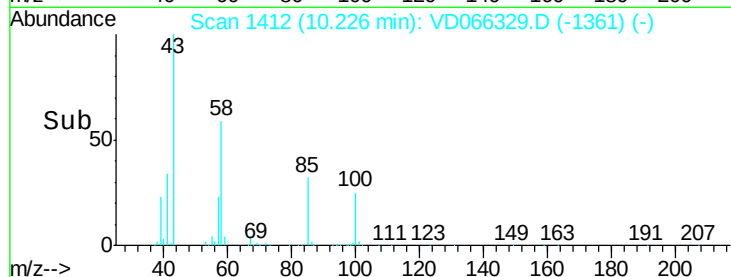
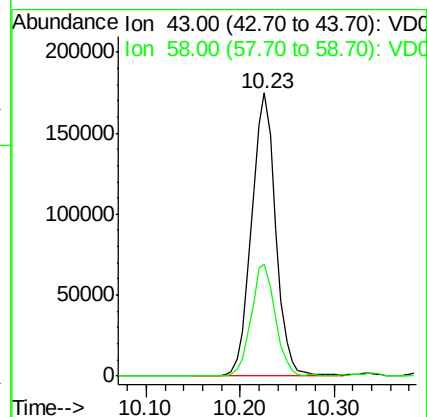
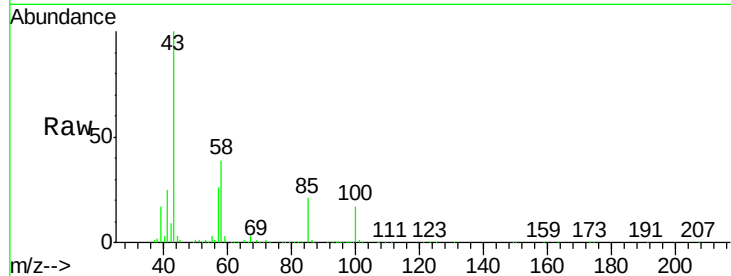
58 39.6 31.1 46.7

Manual Integrations

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MMDadoda

8/20/2020 3:36:56 PM



#52

Toluene

Concen: 48.752 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066329.D

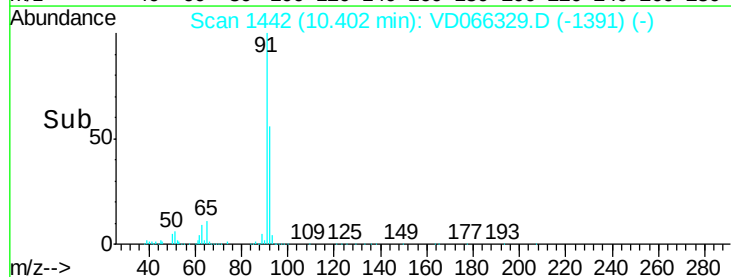
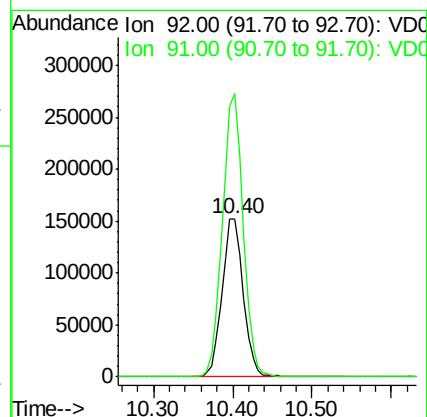
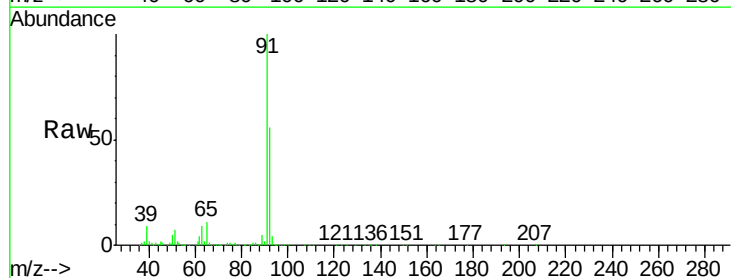
Acq: 19 Aug 2020 20:02

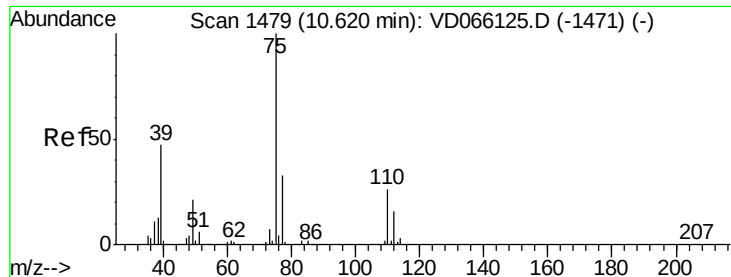
Tgt Ion: 92 Resp: 281568

Ion Ratio Lower Upper

92 100

91 175.6 135.2 202.8





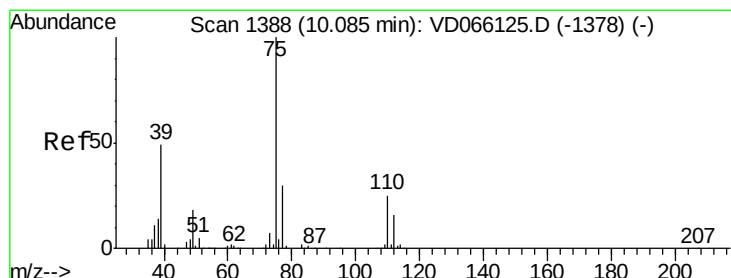
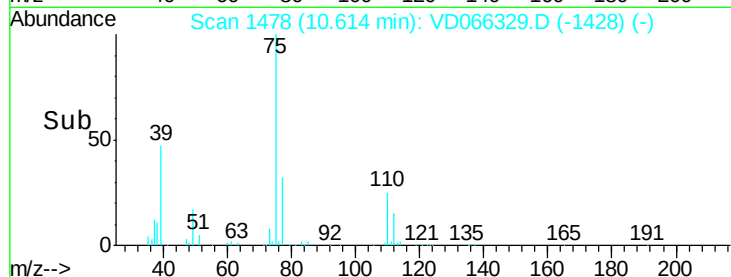
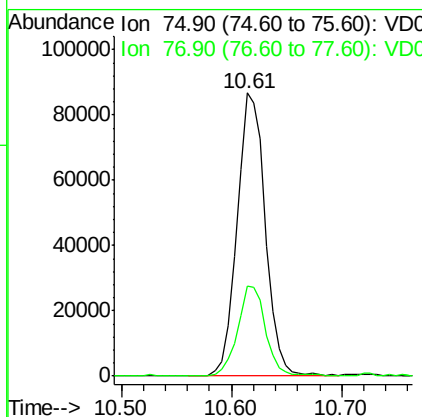
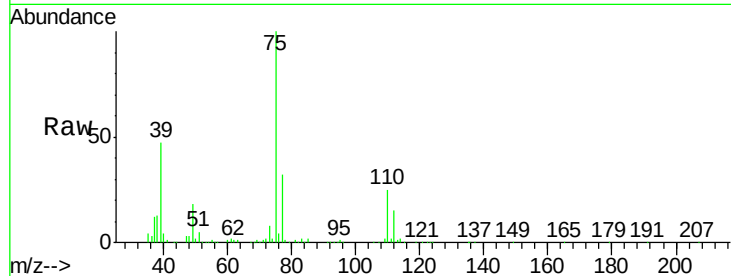
#53
 t-1,3-Dichloropropene
 Concen: 52.532 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 155798
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2

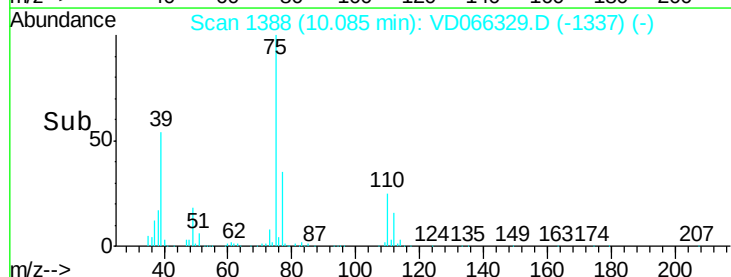
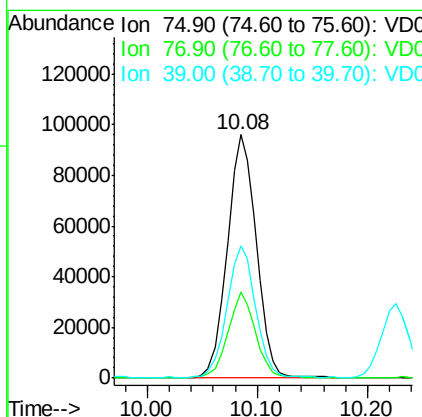
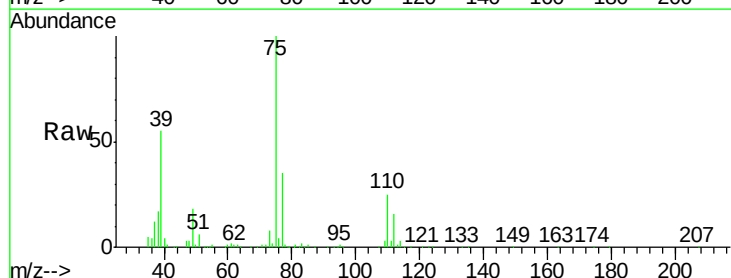
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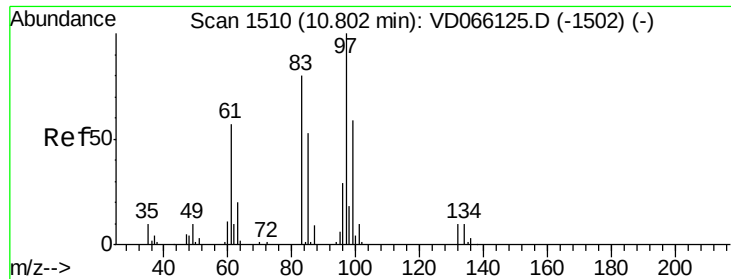
MMDadoda
 8/20/2020 3:36:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.886 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 75 Resp: 176819
 Ion Ratio Lower Upper
 75 100
 77 35.0 24.3 36.5
 39 54.3 39.3 58.9





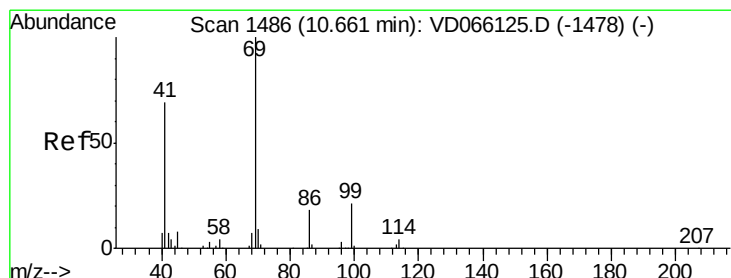
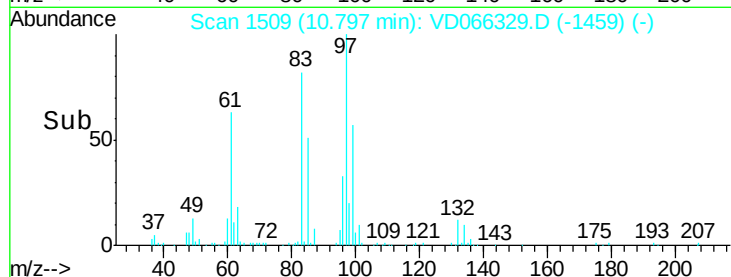
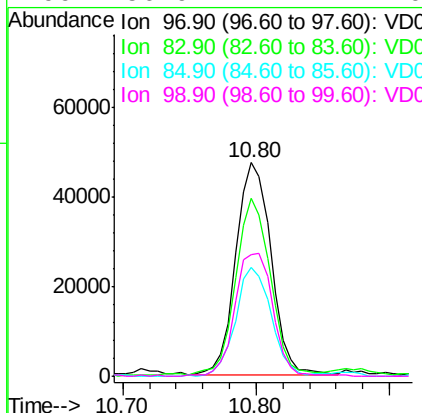
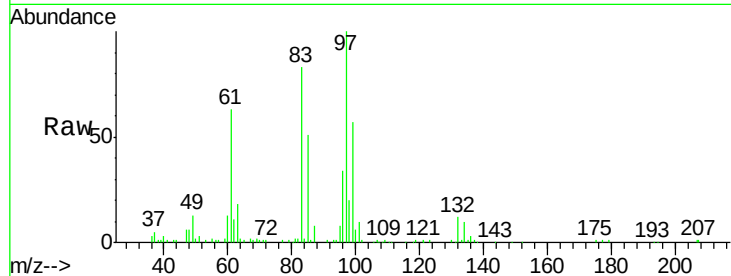
#55
 1,1,2-Trichloroethane
 Concen: 50.841 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.8	63.9	95.9
85	50.6	42.5	63.7
99	56.9	47.4	71.0

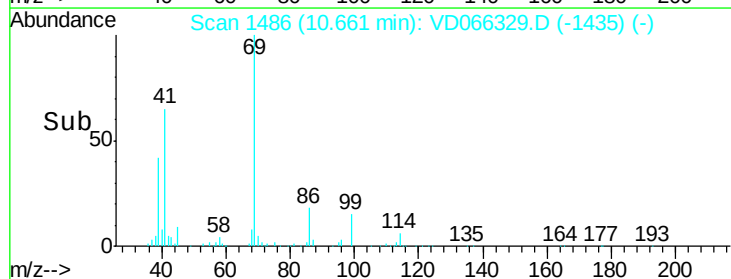
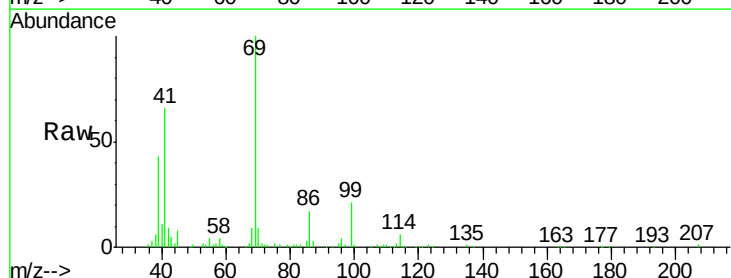
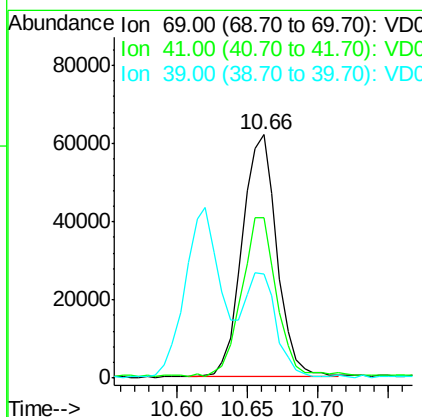
Manual Integrations
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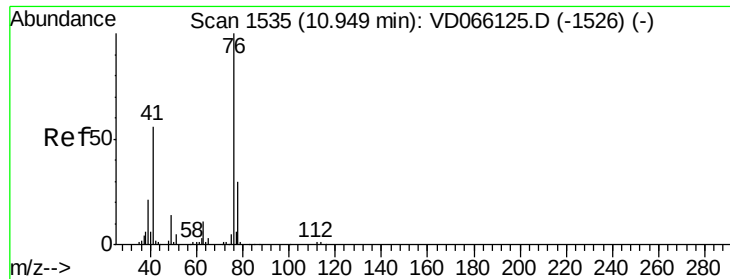
MMDadoda
 8/20/2020 3:36:56 PM



#56
 Ethyl methacrylate
 Concen: 51.970 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.1	81.1
39	36.5	28.6	43.0





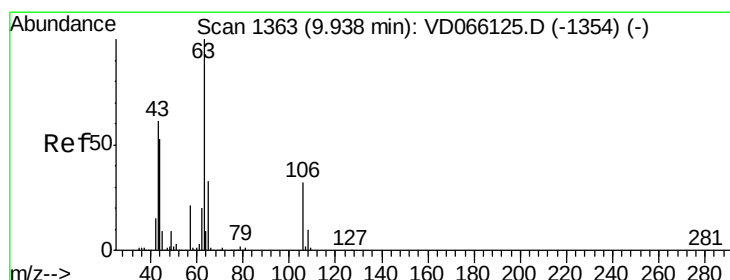
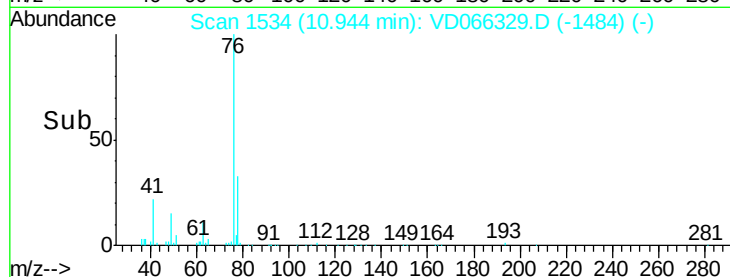
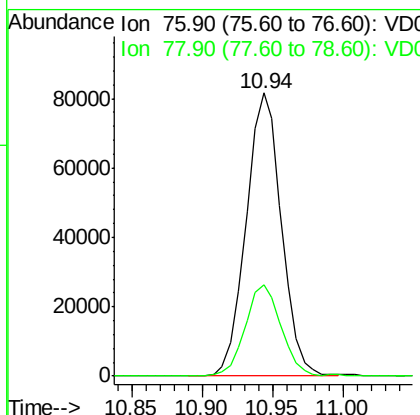
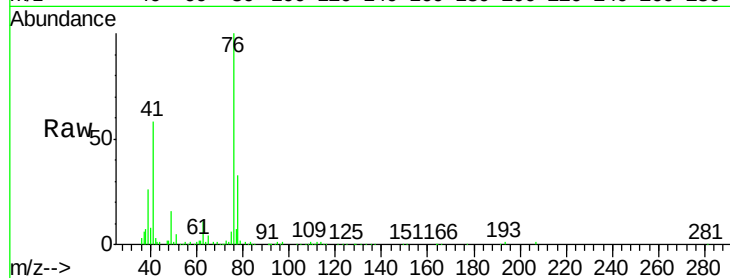
#57
 1,3-Dichloropropane
 Concen: 50.694 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

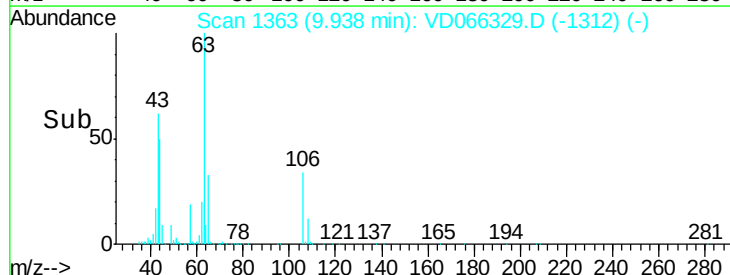
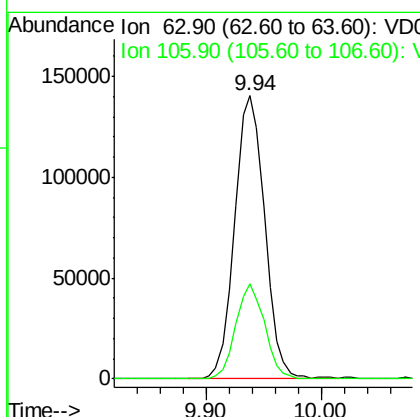
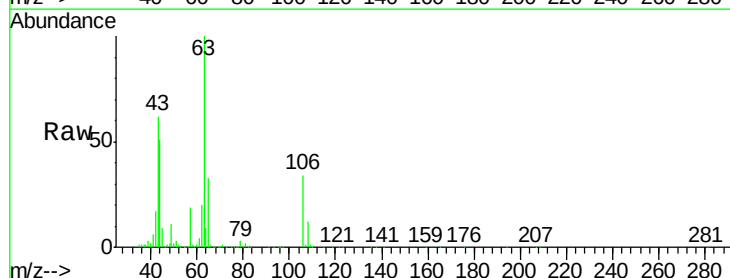
Manual Integrations
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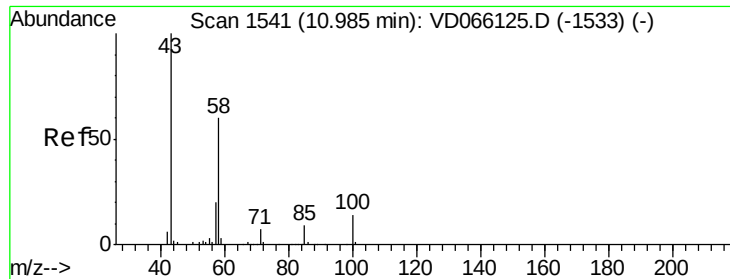
MMDadoda
 8/20/2020 3:36:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.246 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.3	37.9





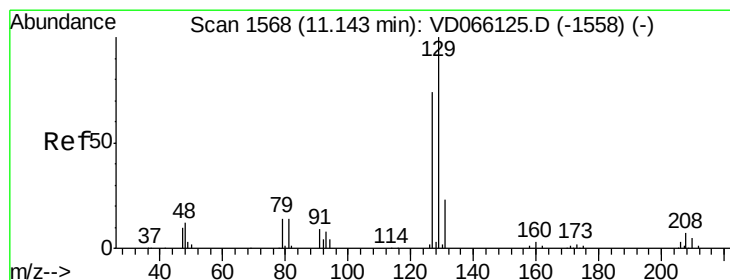
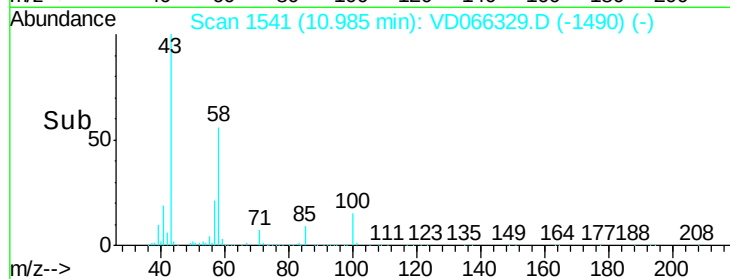
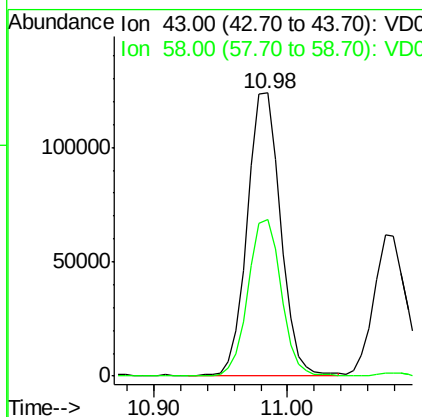
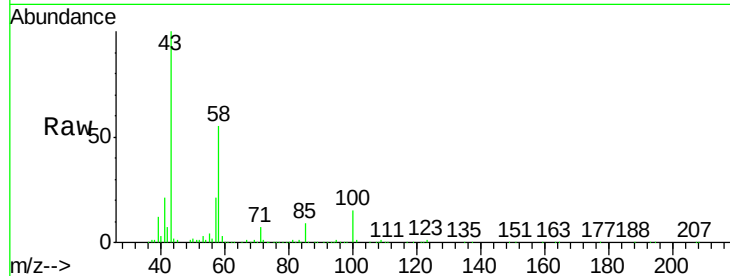
#59
2-Hexanone
Concen: 238.715 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.8	83.4

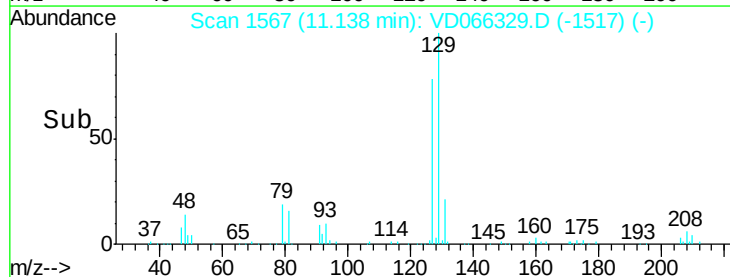
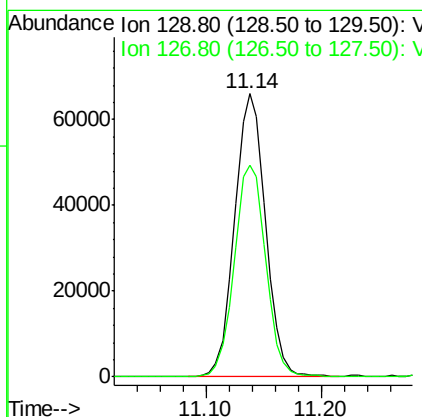
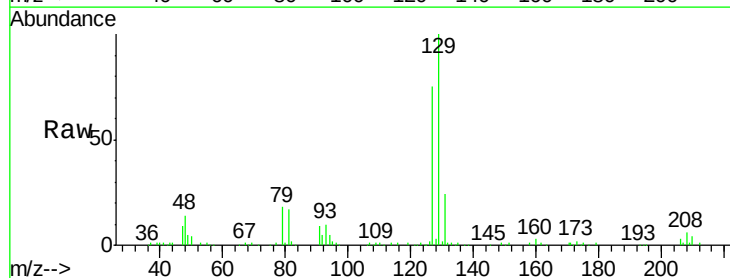
Manual Integrations
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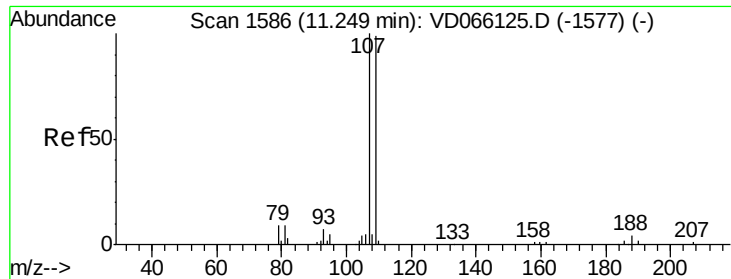
MMDadoda
8/20/2020 3:36:56 PM



#60
Dibromochloromethane
Concen: 52.181 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.0	114.1





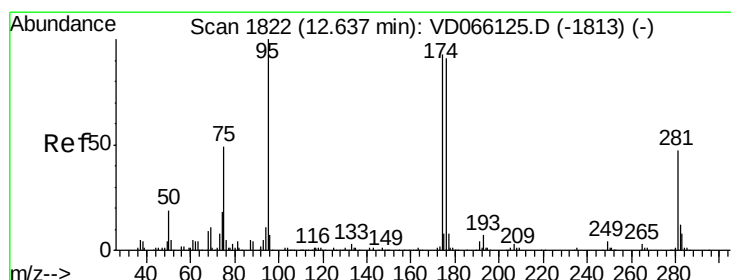
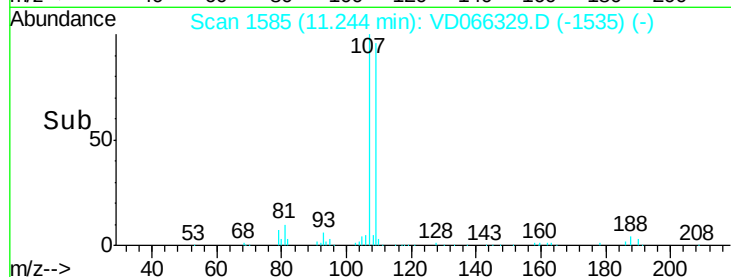
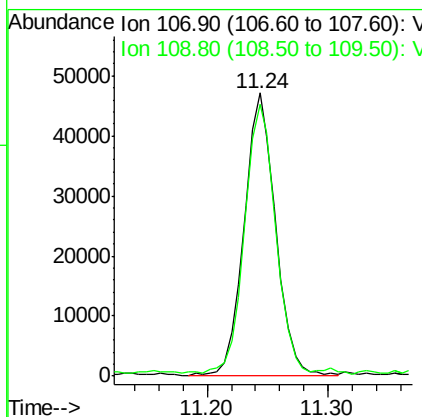
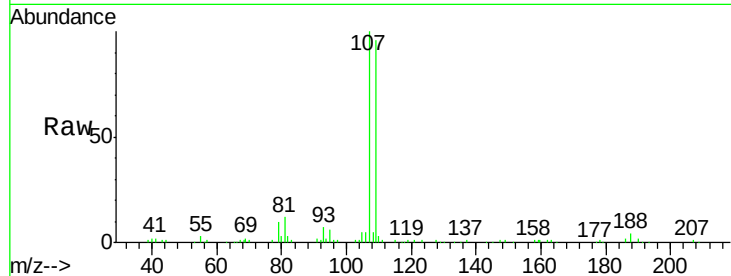
#61
 1,2-Dibromoethane
 Concen: 52.260 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 85573
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.5 114.7

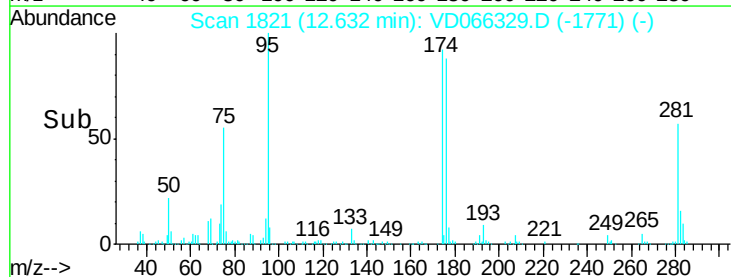
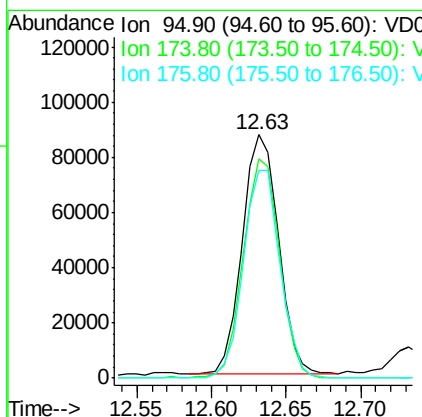
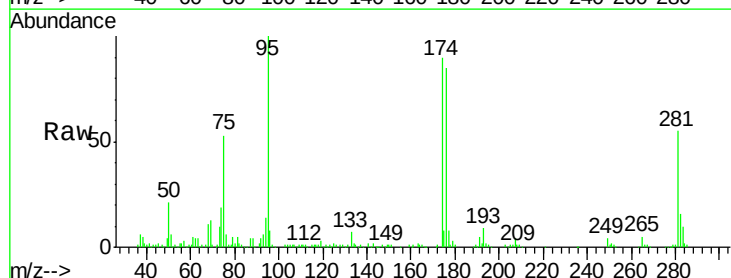
Manual Integrations
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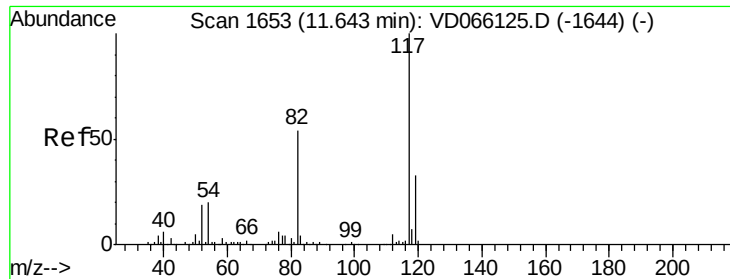
MMDadoda
 8/20/2020 3:36:56 PM



#62
 4-Bromofluorobenzene
 Concen: 51.317 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 95 Resp: 145600
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 180.8
 176 88.4 0.0 181.2





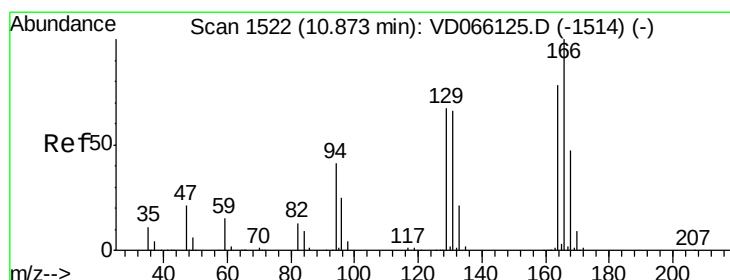
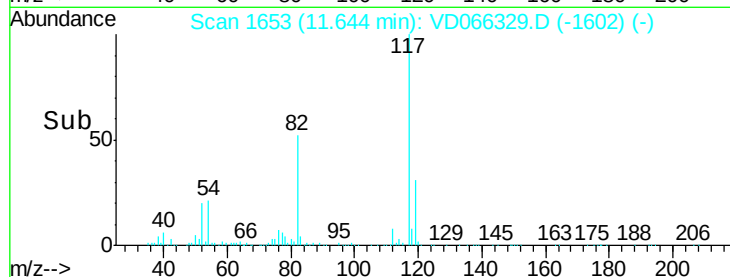
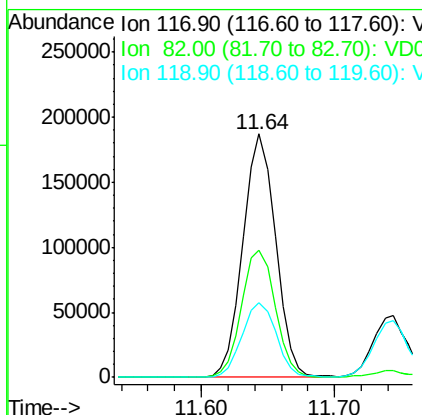
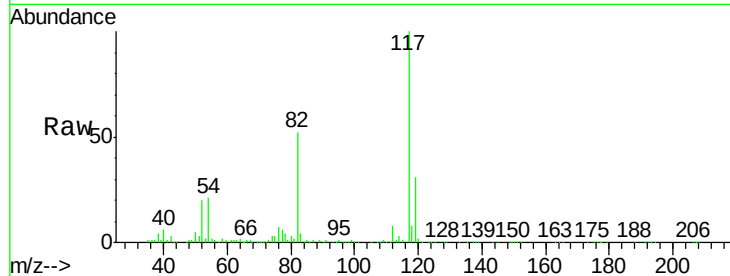
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.0	64.4
119	30.7	26.1	39.1

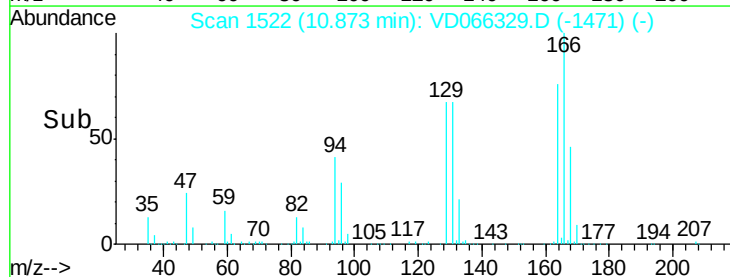
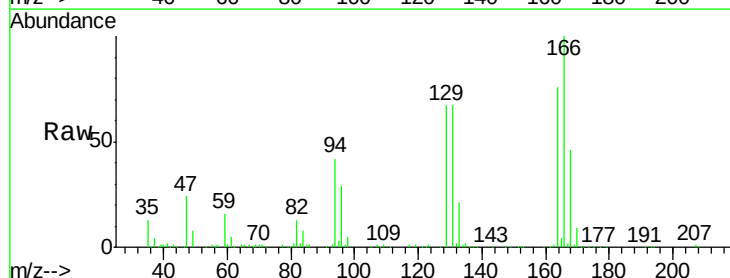
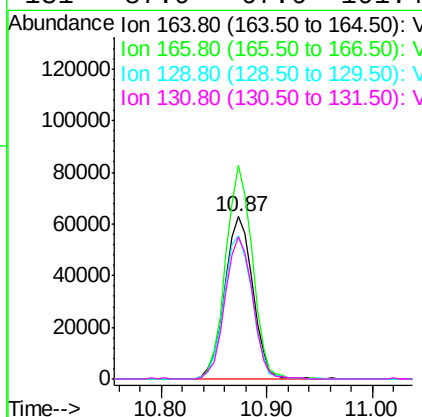
Manual Integrations
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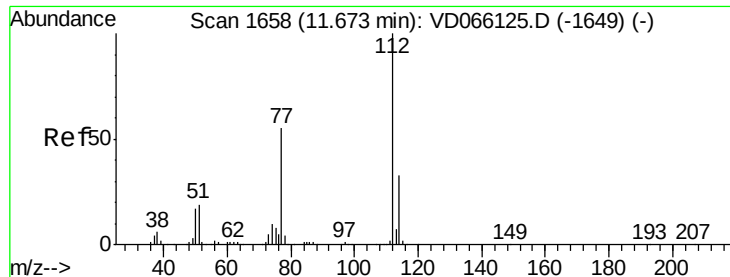
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#64
Tetrachloroethene
Concen: 47.187 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.9	152.9
129	88.0	68.1	102.1
131	87.9	67.6	101.4





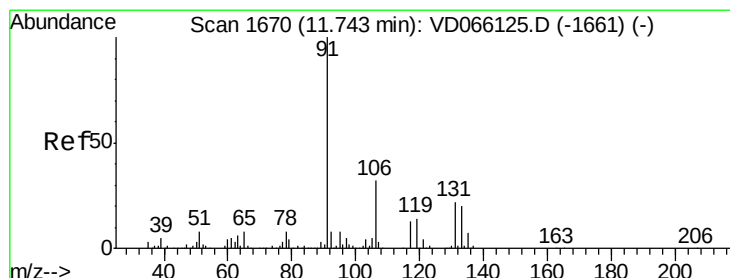
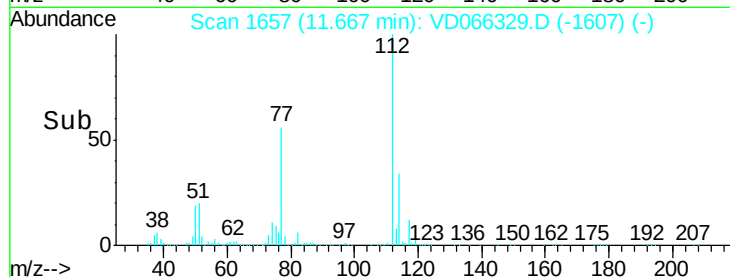
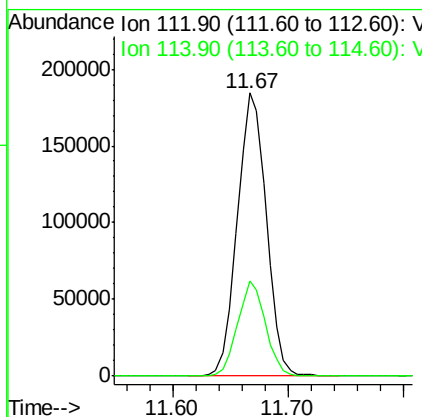
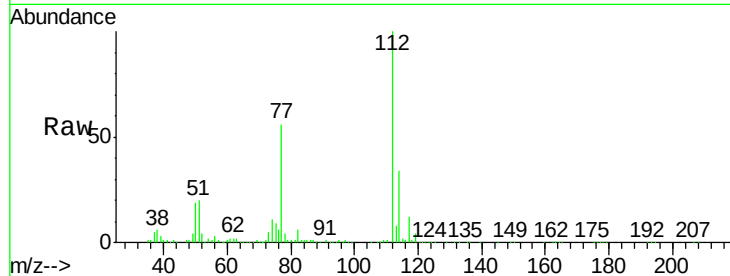
#65
Chlorobenzene
Concen: 49.760 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	321091		
114	33.6	26.1	39.1	

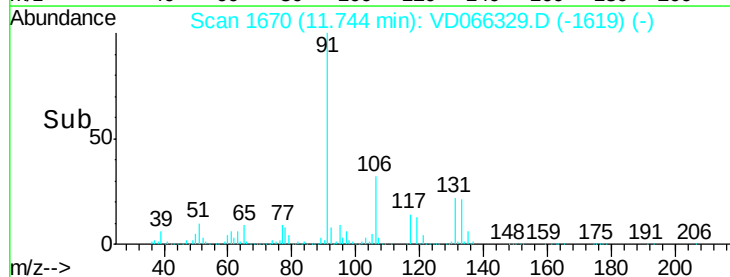
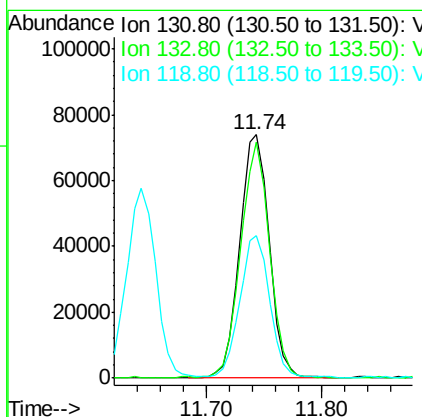
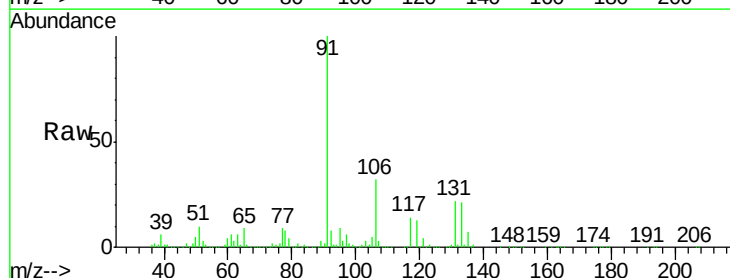
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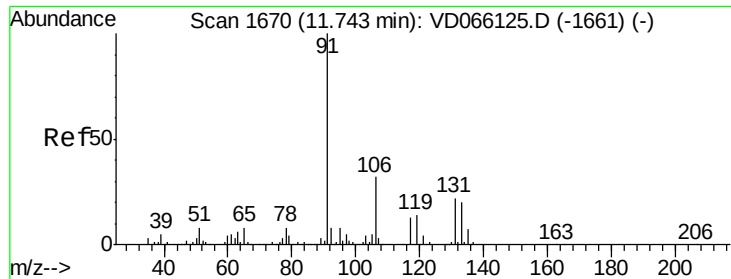
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.193 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	131777		
133	94.1	47.1	141.4	
119	58.7	31.6	94.7	





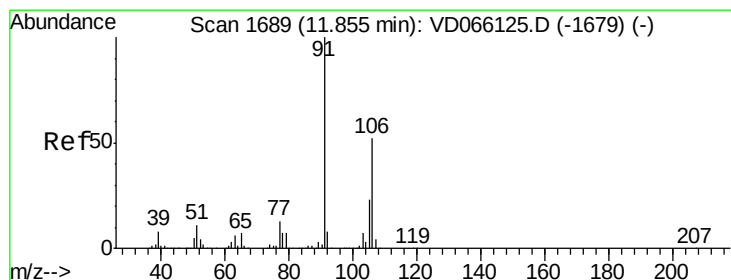
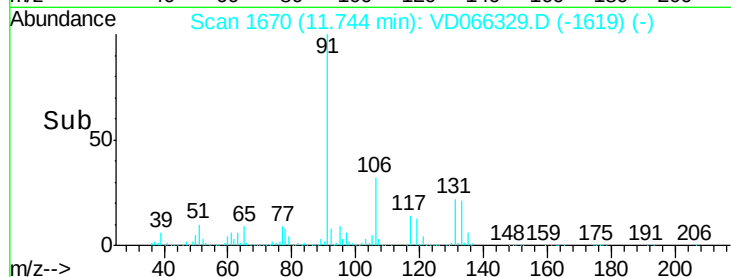
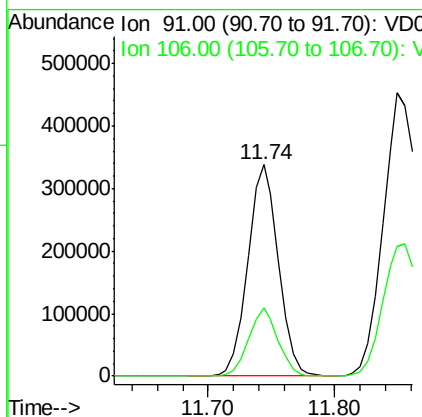
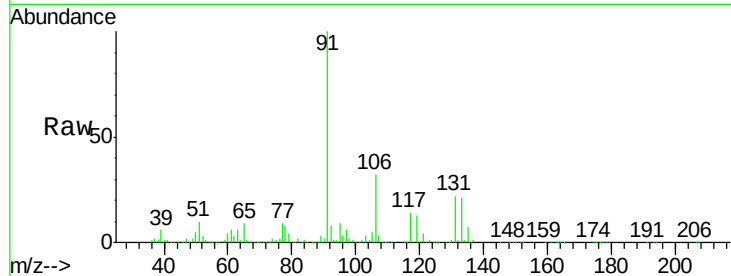
#67
Ethyl Benzene
Concen: 50.412 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 563711
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5

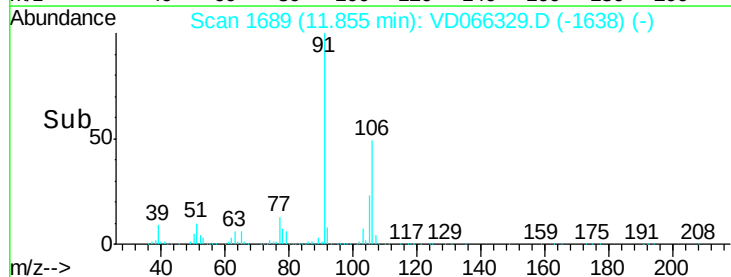
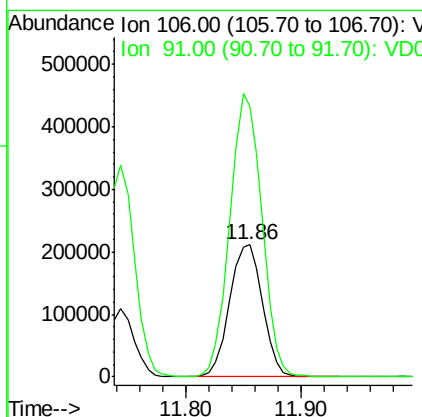
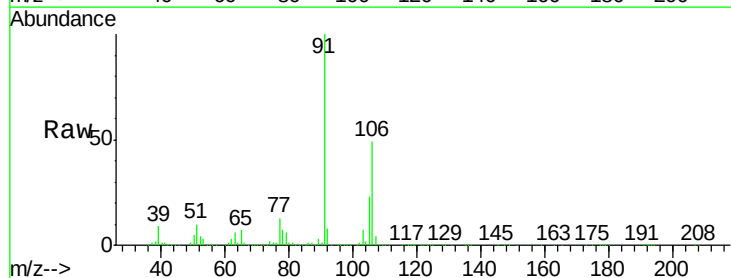
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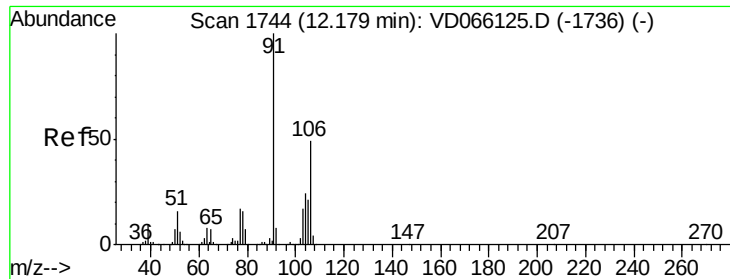
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#68
m/p-Xylenes
Concen: 96.580 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 106 Resp: 418427
Ion Ratio Lower Upper
106 100
91 207.1 156.6 235.0





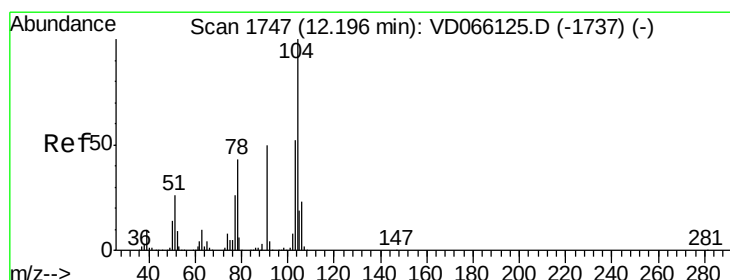
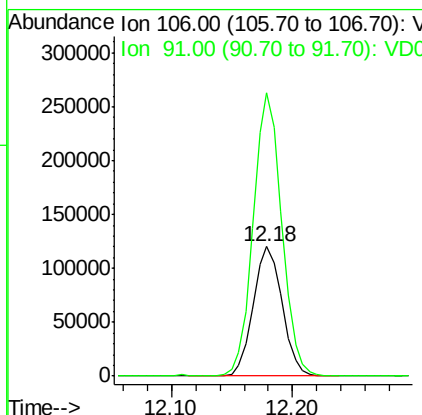
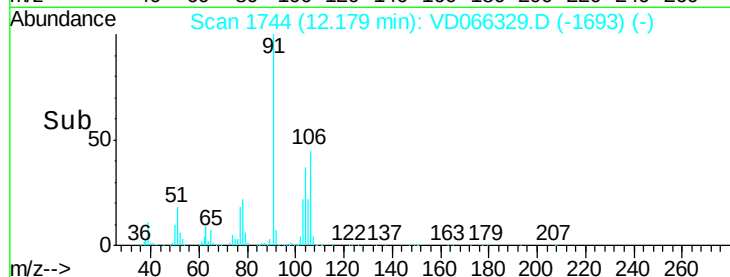
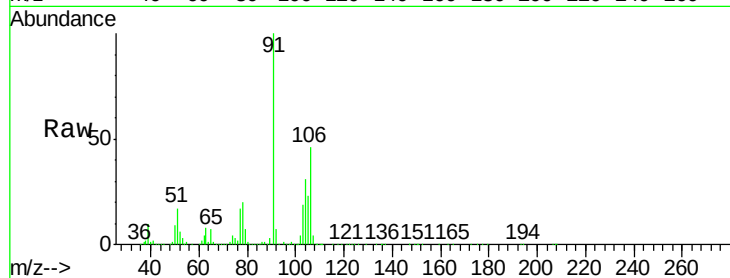
#69
o-Xylene
Concen: 51.129 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 201505
Ion Ratio Lower Upper
106 100
91 213.0 105.7 317.1

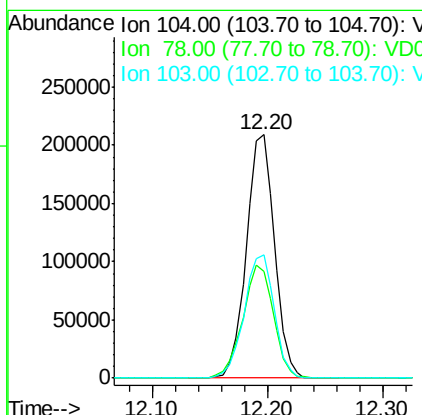
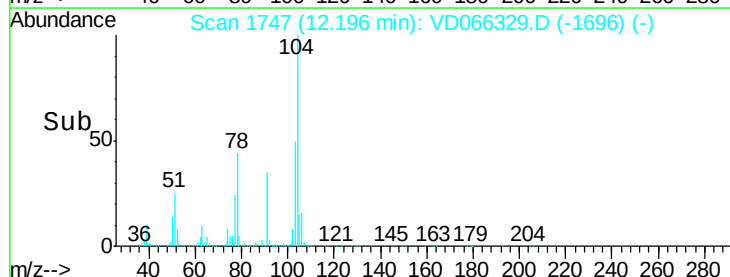
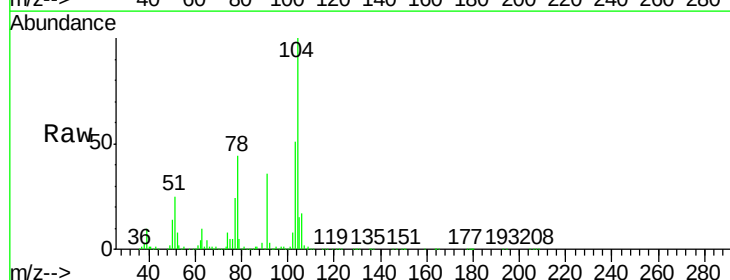
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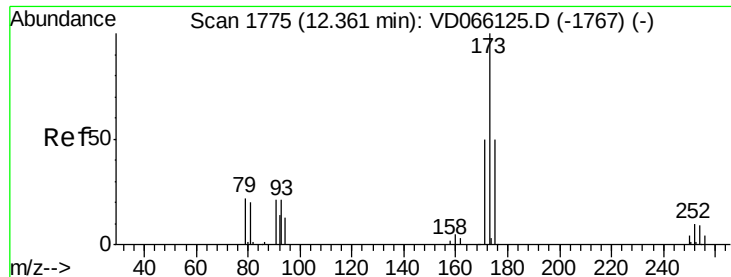
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#70
Styrene
Concen: 51.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:104 Resp: 354924
Ion Ratio Lower Upper
104 100
78 50.8 38.6 58.0
103 54.5 44.1 66.1





#71

Bromoform

Concen: 52.839 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 79042

Ion Ratio Lower Upper

173 100

175 46.4 24.6 73.6

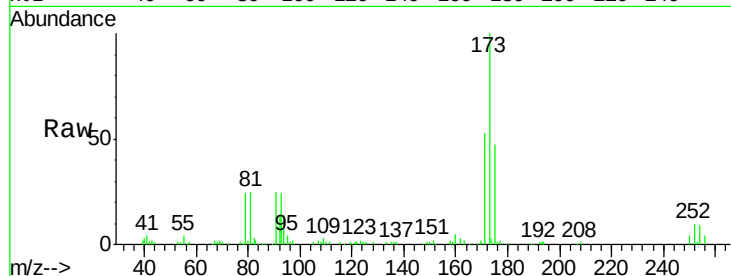
254 0.0 0.2 0.2#

Manual Integrations

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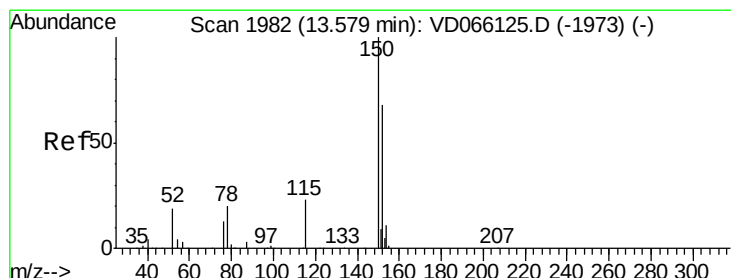
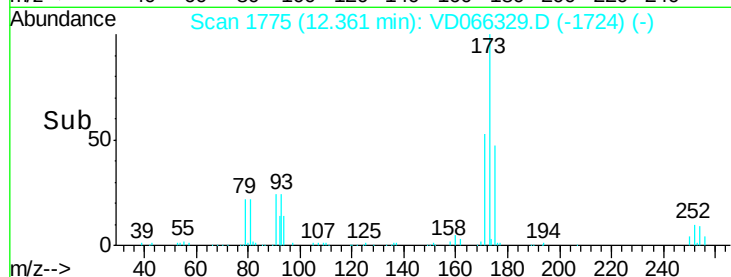
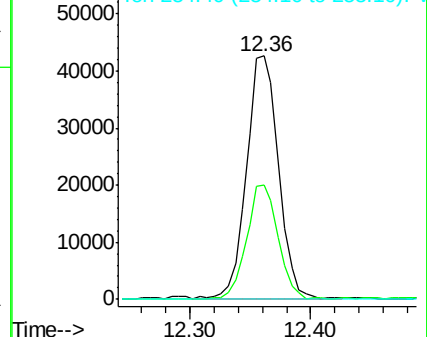
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

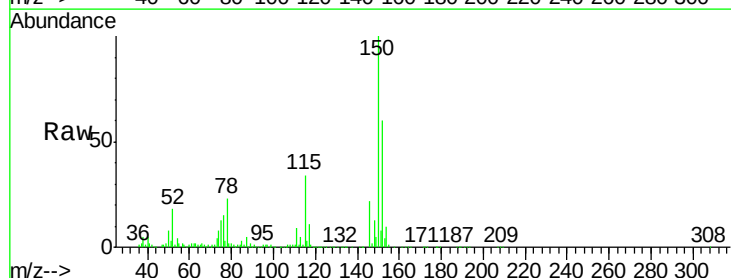
Tgt Ion:152 Resp: 159078

Ion Ratio Lower Upper

152 100

115 58.6 28.0 83.9

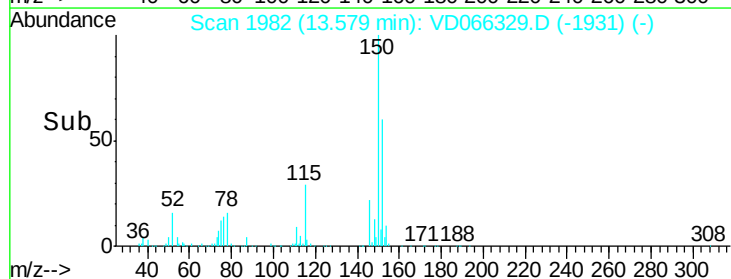
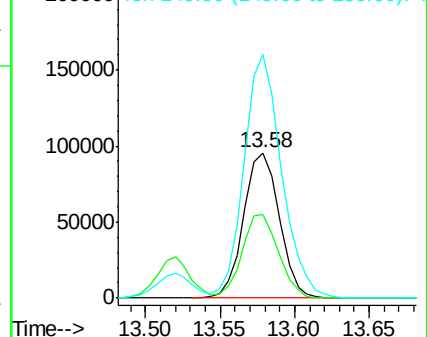
150 175.5 0.0 346.4

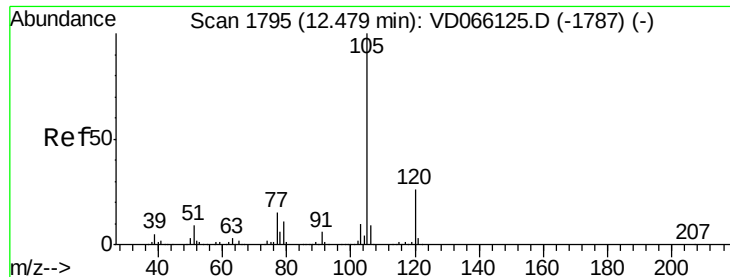


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.968 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 562458

Ion Ratio Lower Upper

105 100

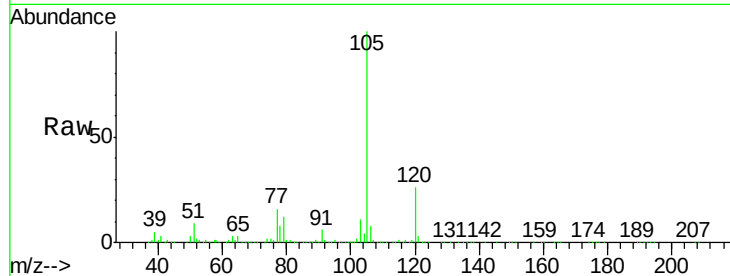
120 26.5 13.3 39.9

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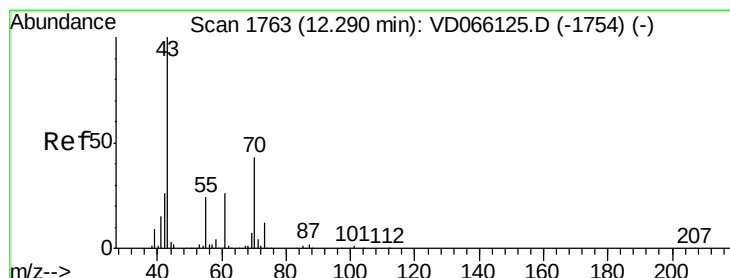
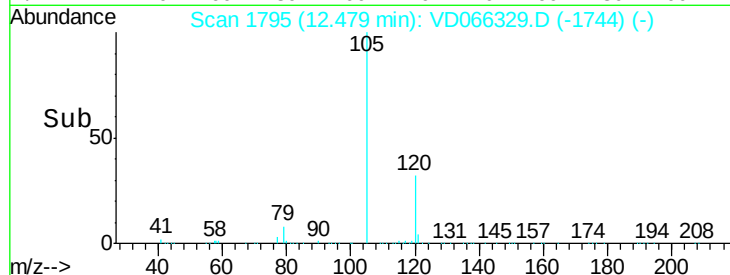
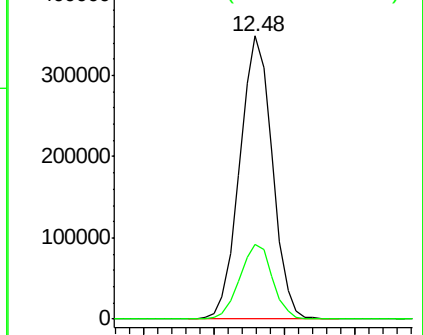
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.797 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion: 43 Resp: 116442

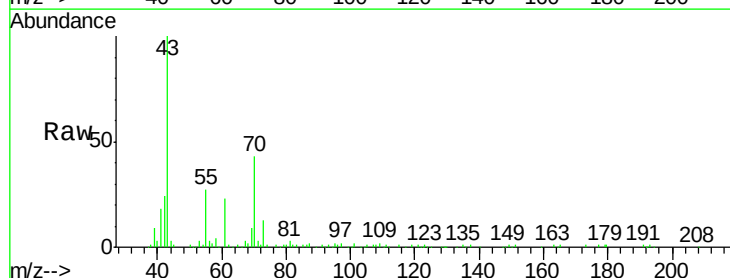
Ion Ratio Lower Upper

43 100

70 47.0 34.9 52.3

55 27.5 19.2 28.8

61 24.0 19.7 29.5

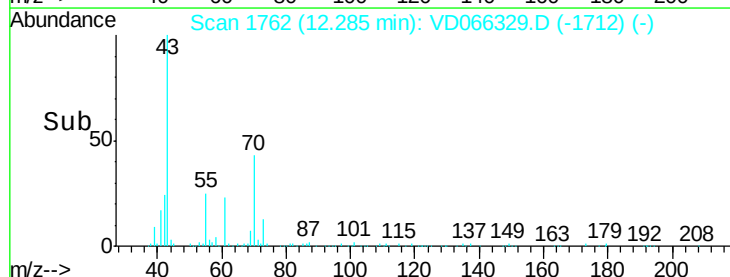
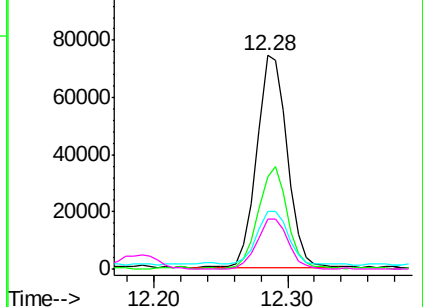


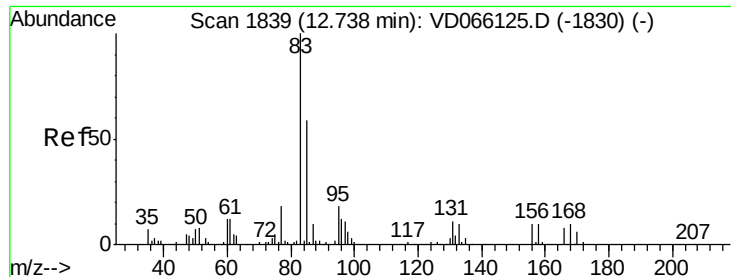
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.289 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

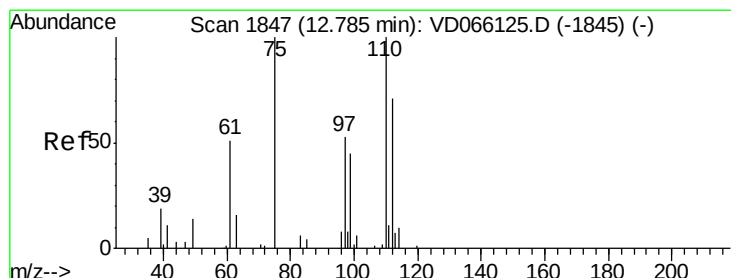
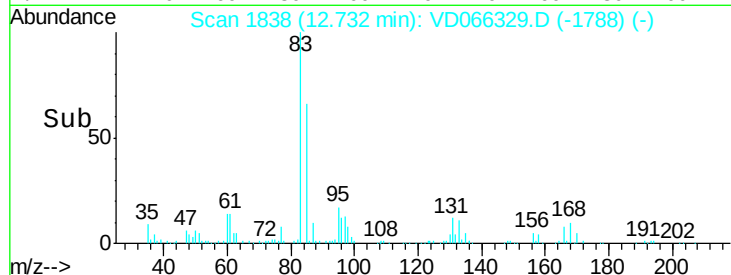
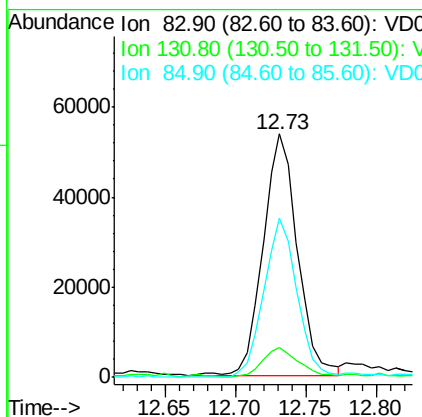
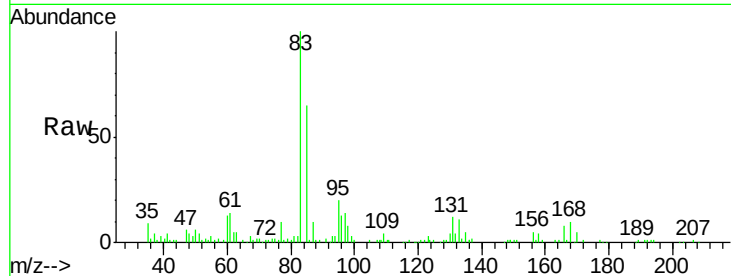
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	91058
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.2	18.6
85	64.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 44.717 ug/l m

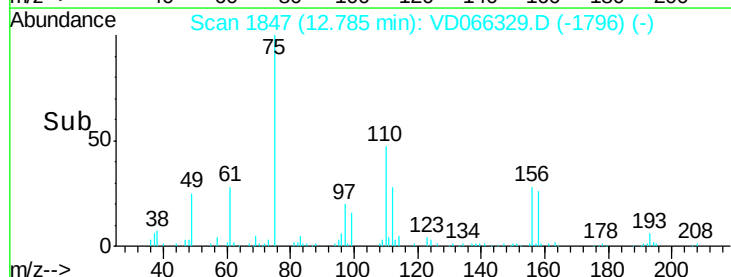
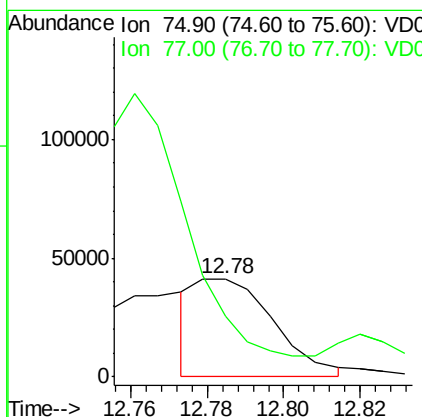
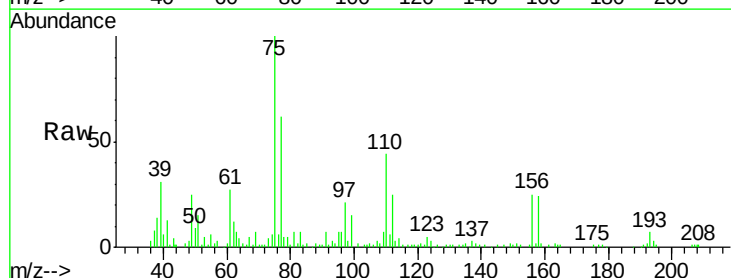
RT: 12.78 min Scan# 1847

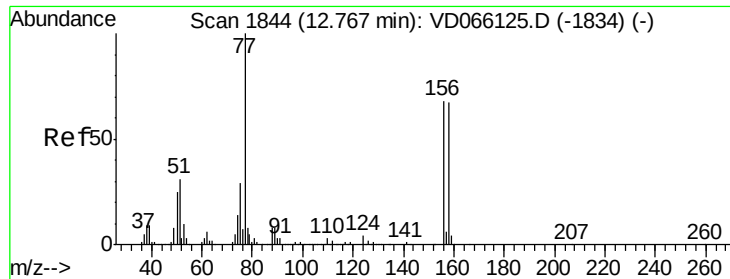
Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	75	Resp:	59321
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.800 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

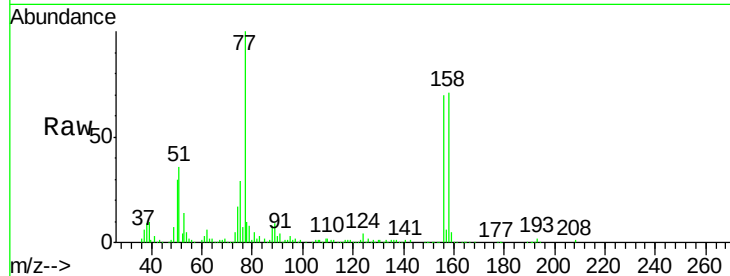
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	141595
Ion Ratio	Lower	Upper	
156	100		
77	158.5	81.0	243.1
158	98.1	48.8	146.3

Manual Integrations
APPROVED

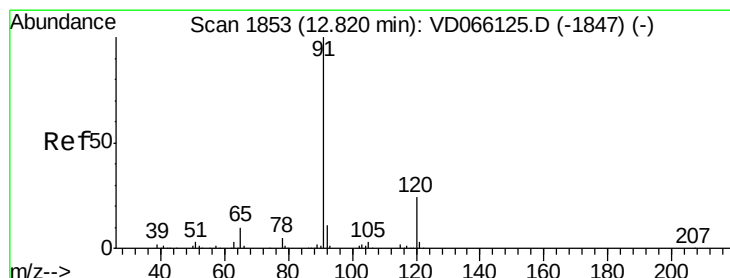
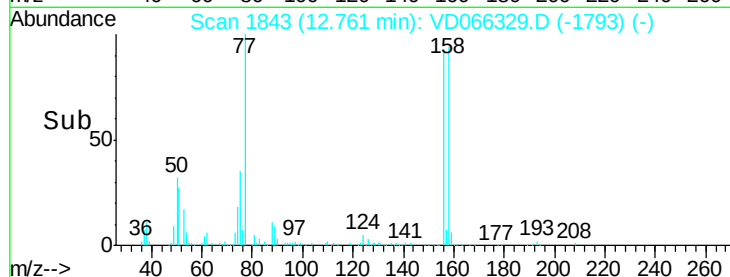
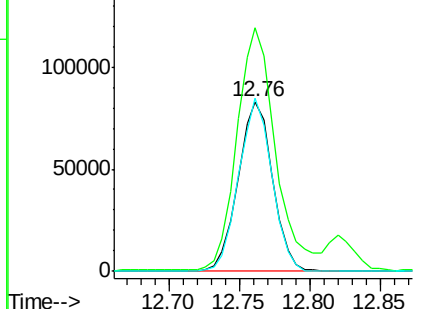
MMDadoda
8/20/2020 3:36:56 PM



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: 52.154 ug/l

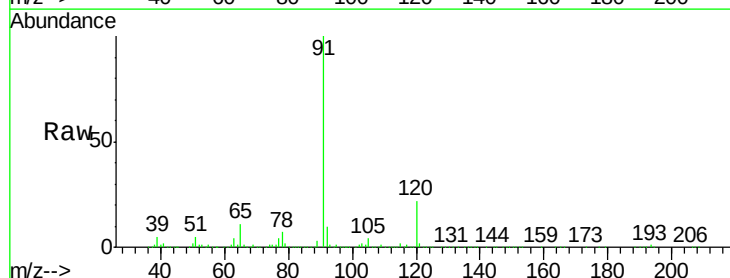
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066329.D

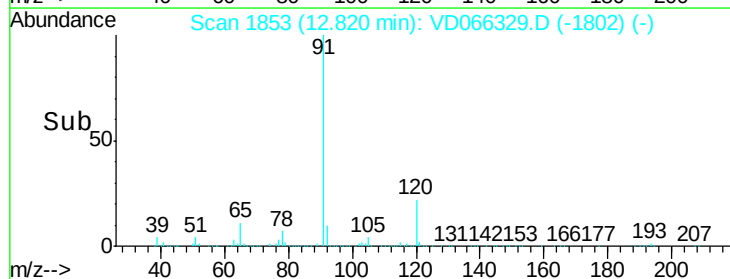
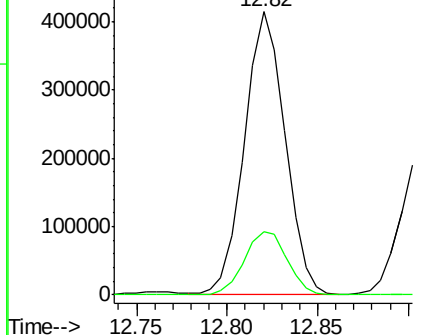
Acq: 19 Aug 2020 20:02

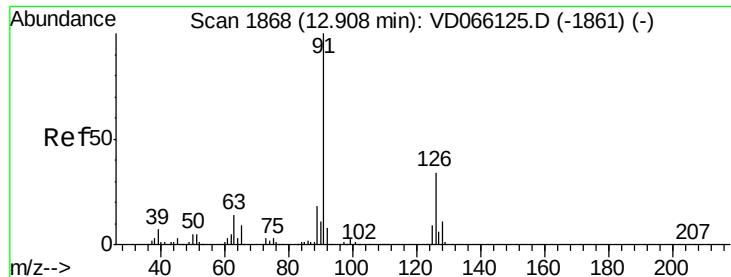
Tgt Ion:	91	Resp:	643775
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





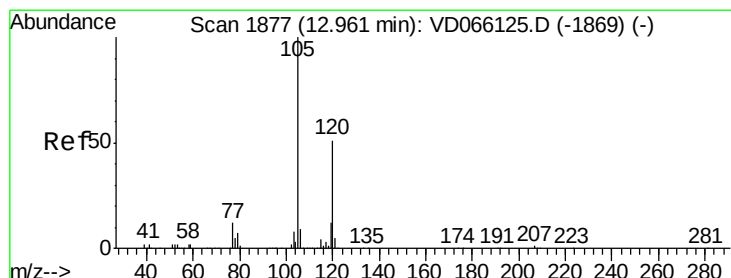
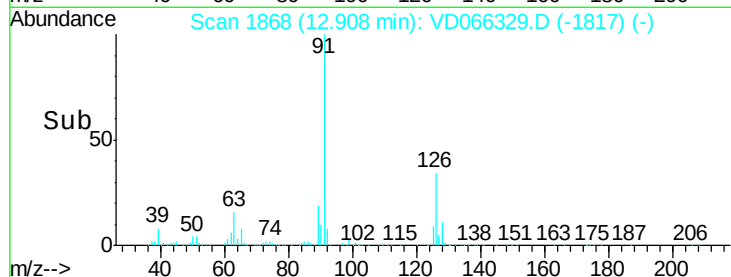
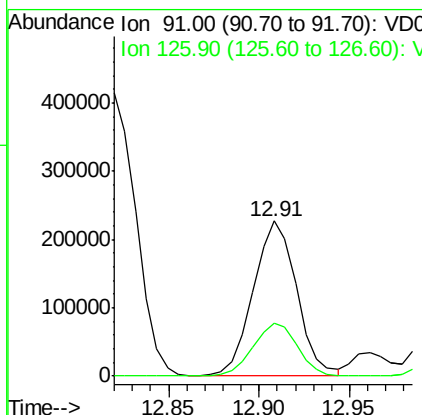
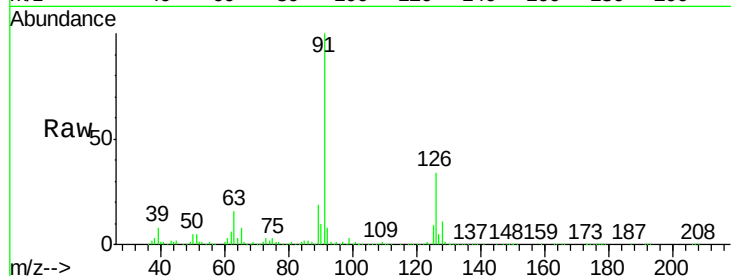
#79
2-Chlorotoluene
Concen: 53.080 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 374734
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6

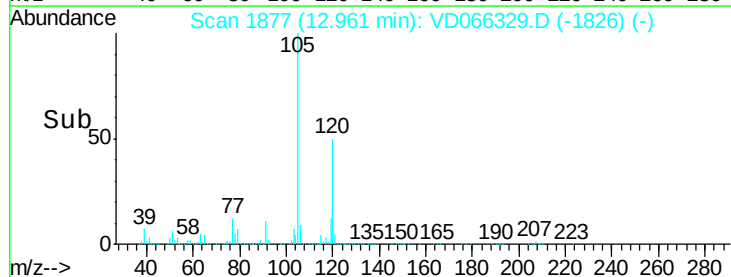
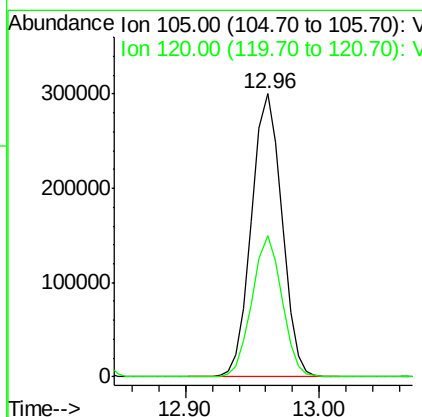
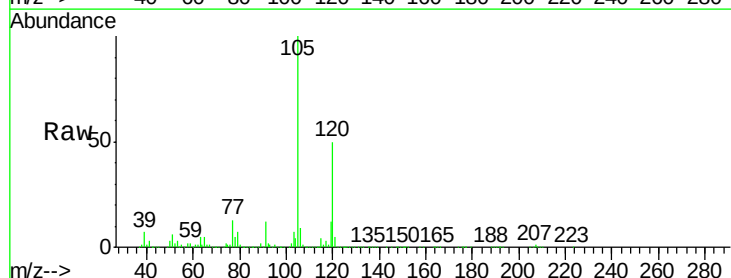
Manual Integrations
APPROVED

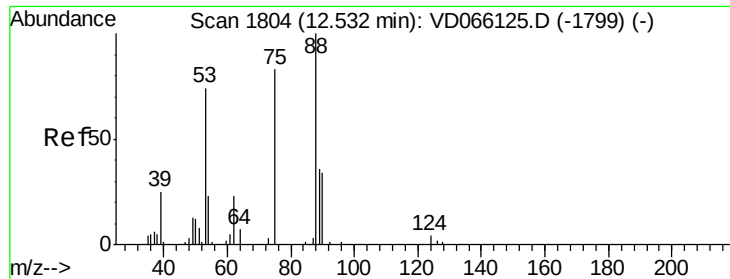
MMDadoda
8/20/2020 3:36:56 PM



#80
1,3,5-Trimethylbenzene
Concen: 52.966 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 105 Resp: 470372
Ion Ratio Lower Upper
105 100
120 49.3 25.3 75.8





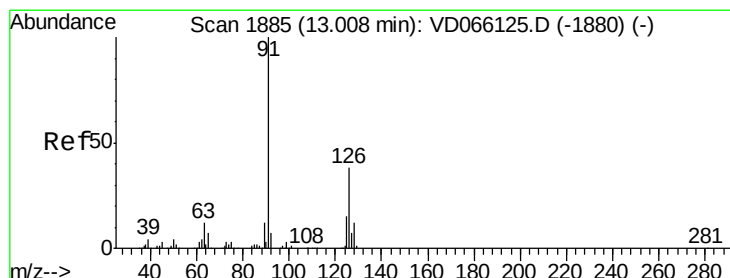
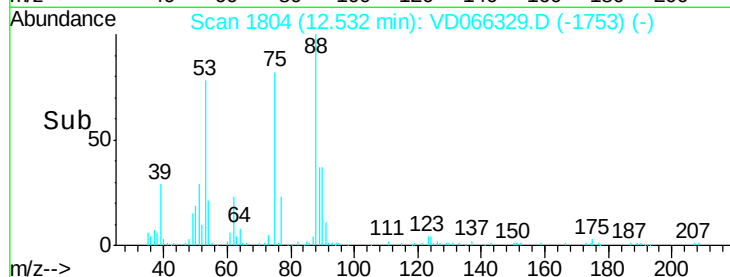
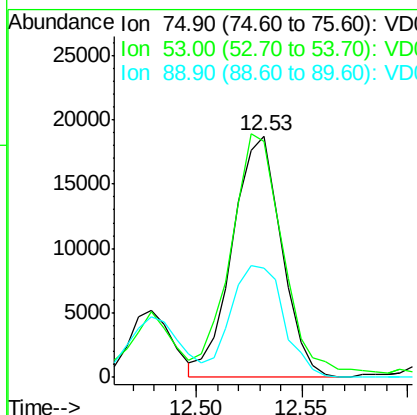
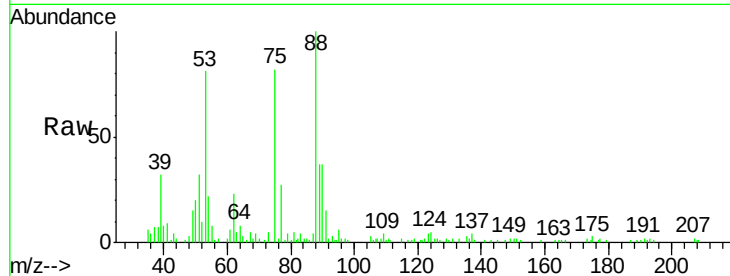
#81
trans-1,4-Dichloro-2-butene
Concen: 50.323 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	73.4	110.2
89	50.1	36.6	55.0

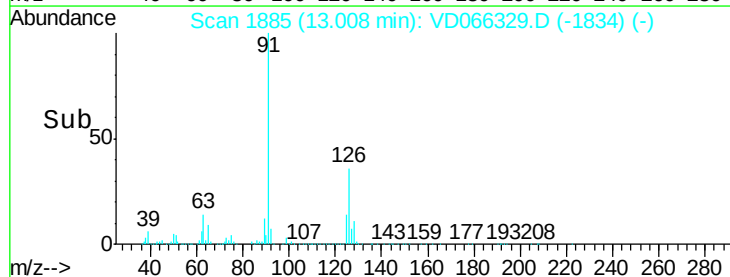
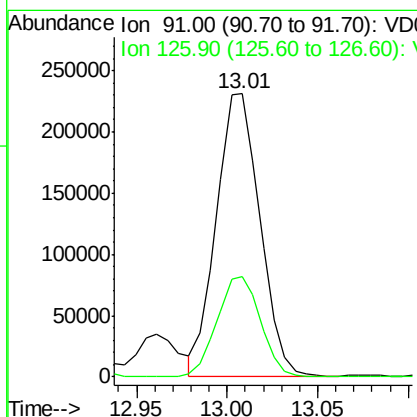
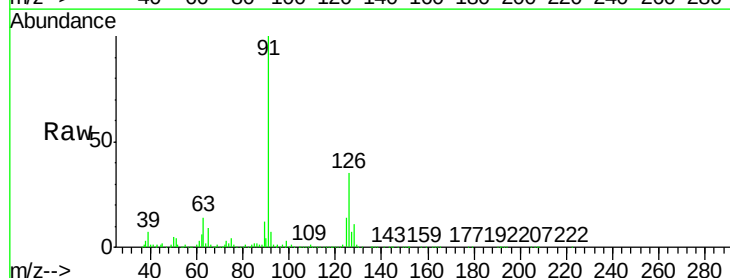
Manual Integrations
APPROVED

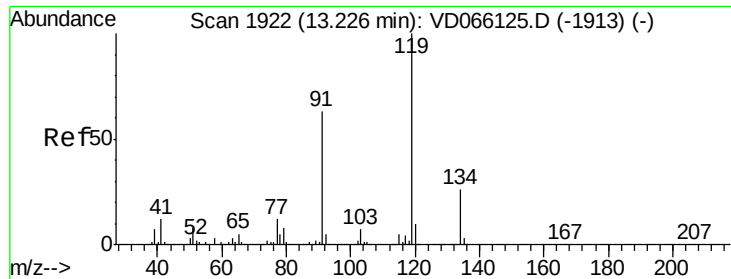
MMDadoda
8/20/2020 3:36:56 PM



#82
4-Chlorotoluene
Concen: 51.563 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3





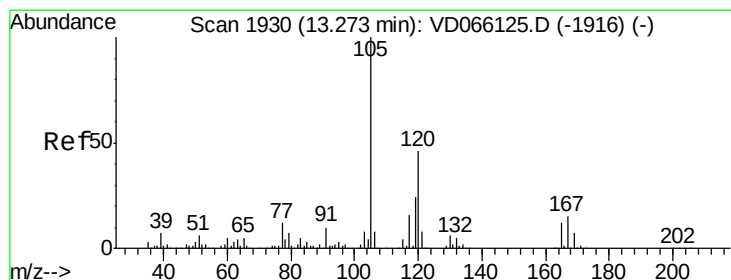
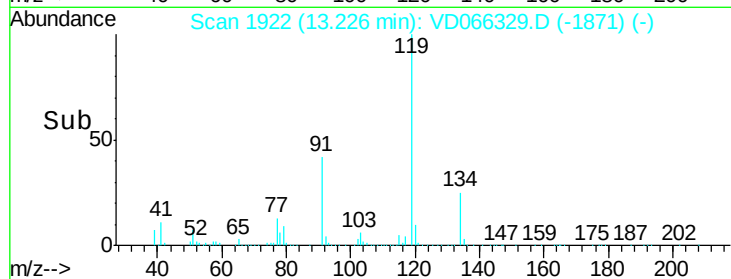
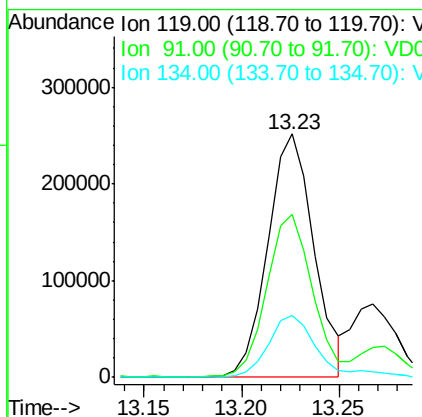
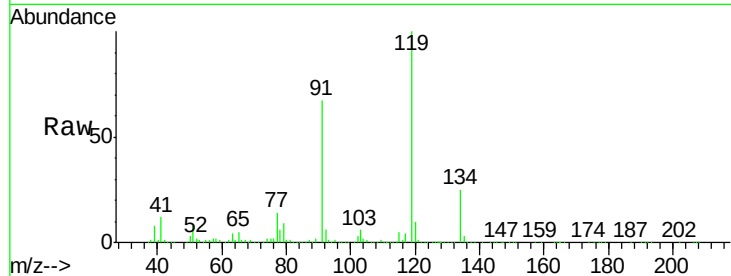
#83
 tert-Butylbenzene
 Concen: 52.624 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	30.8	92.4
134	27.5	13.6	40.8

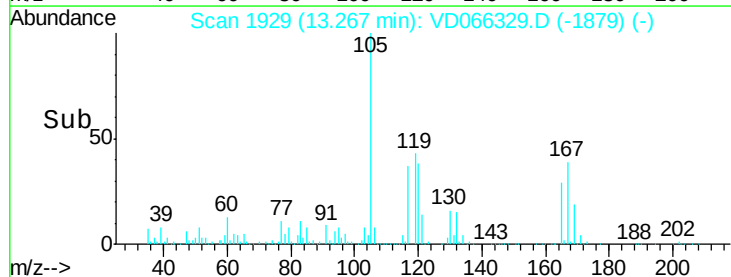
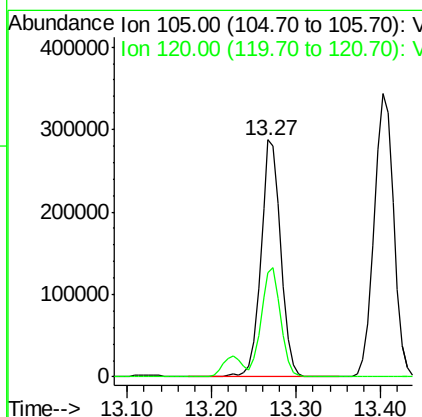
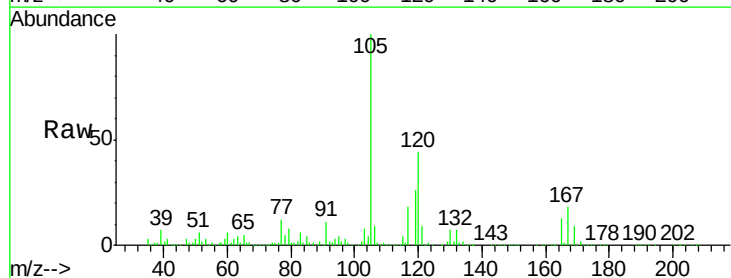
Manual Integrations
 APPROVED

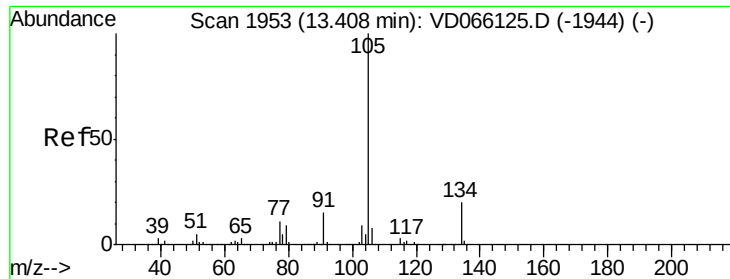
MMDadoda
 8/20/2020 3:36:56 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.797 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.095 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 549308

Ion Ratio Lower Upper

105 100

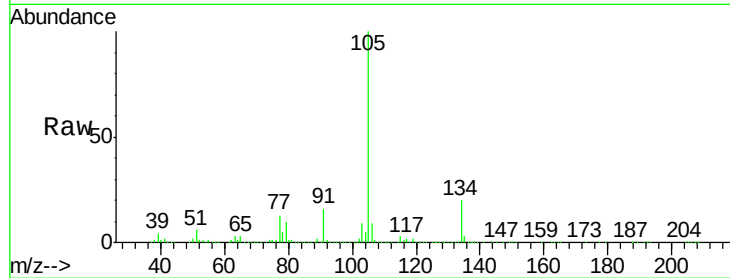
134 21.3 10.4 31.4

Manual Integrations

APPROVED

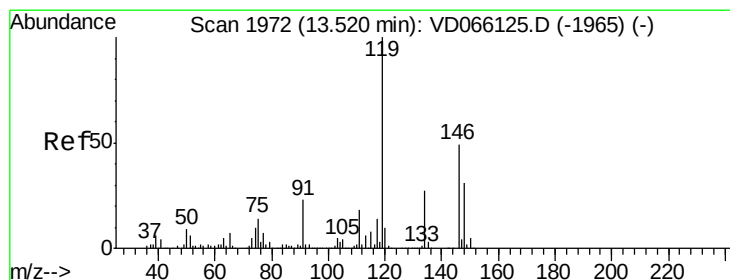
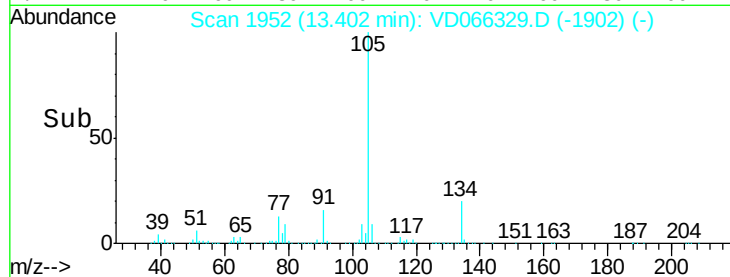
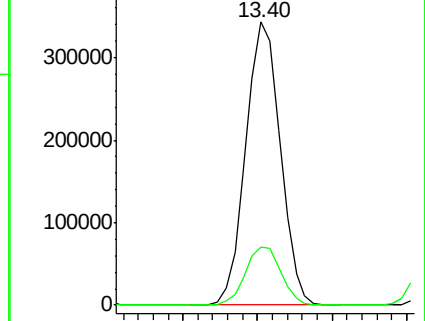
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.234 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

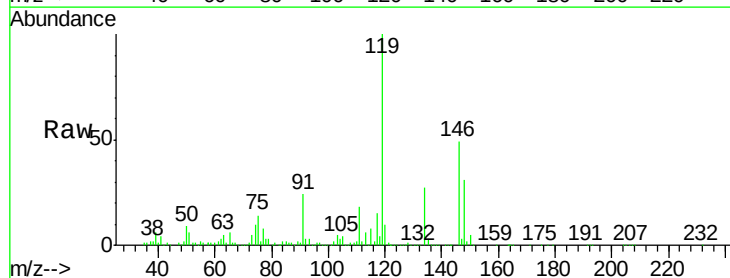
Tgt Ion:119 Resp: 516579

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

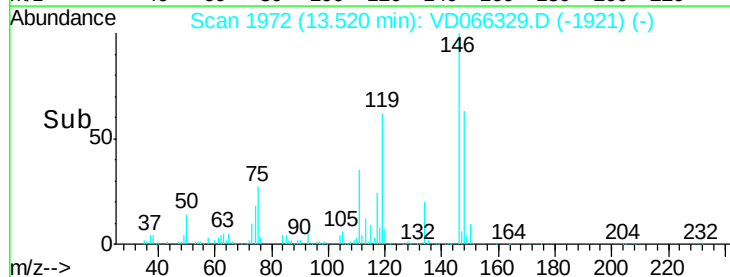
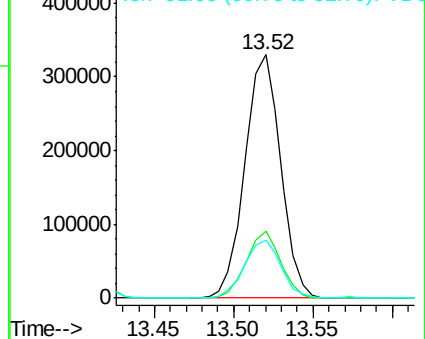
91 23.8 11.2 33.5

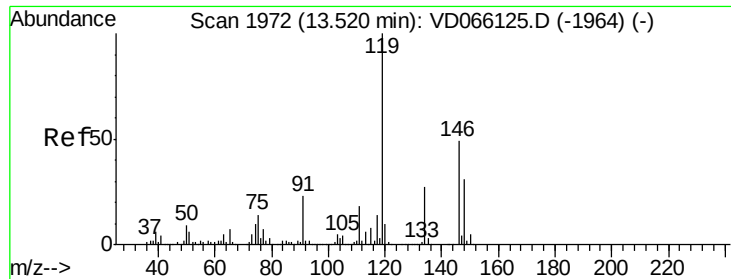


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





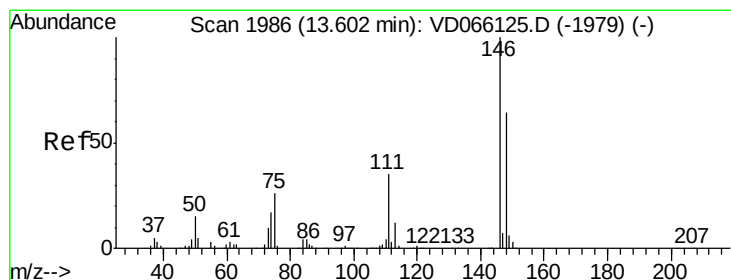
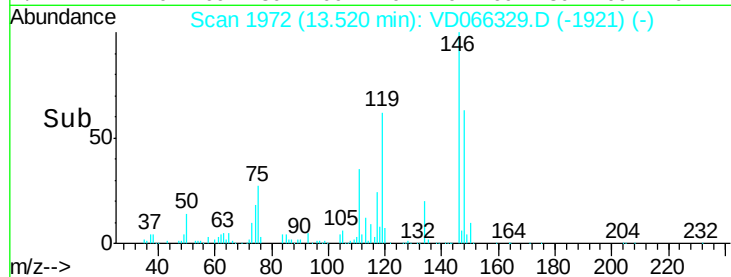
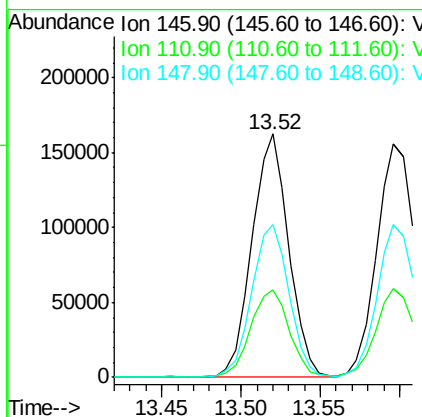
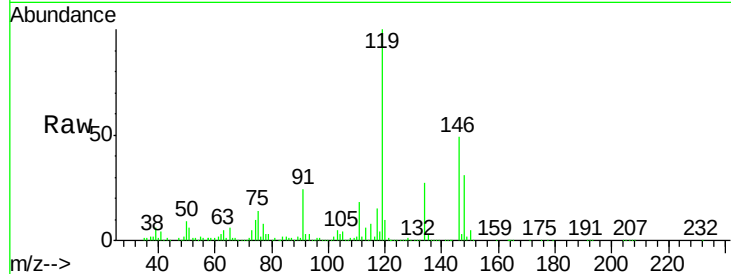
#87
 1,3-Dichlorobenzene
 Concen: 50.965 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	63.9	31.8	95.3

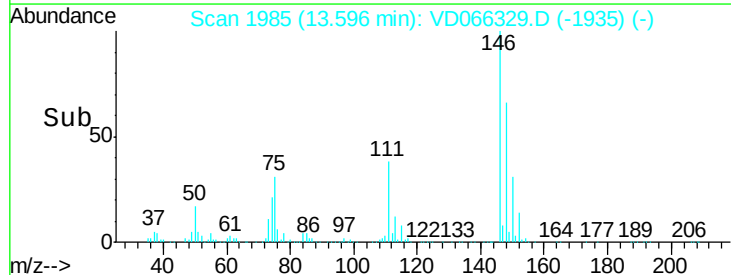
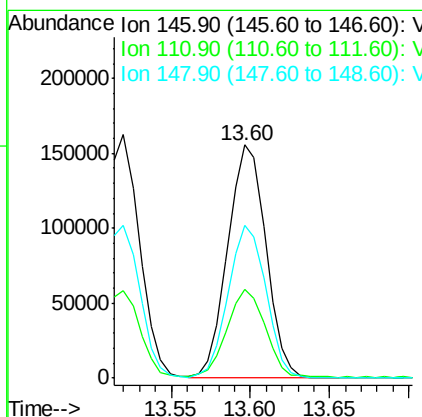
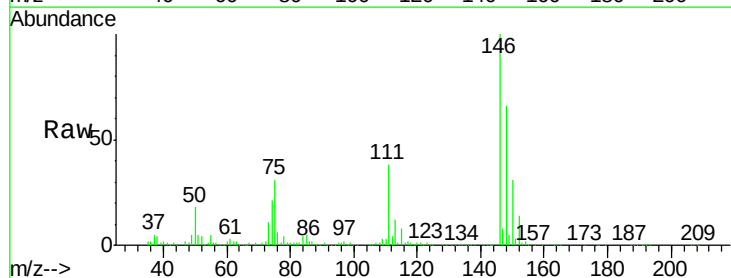
Manual Integrations
 APPROVED

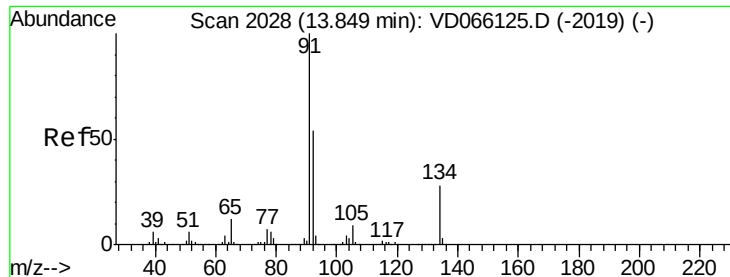
MMDadoda
 8/20/2020 3:36:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.963 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	64.5	32.4	97.0





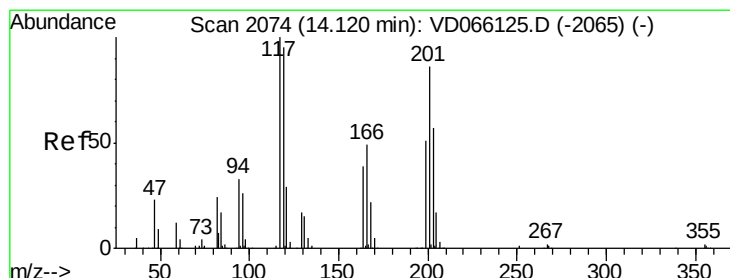
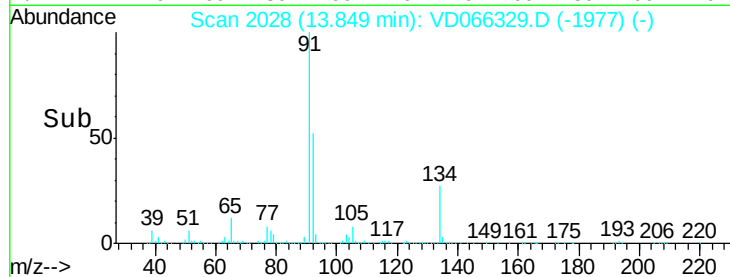
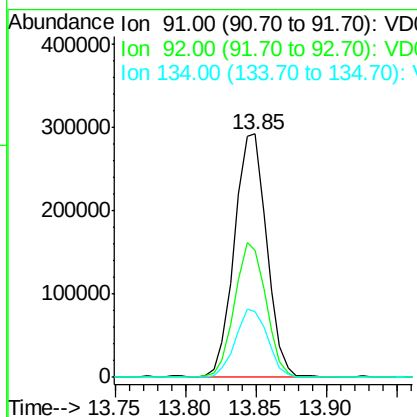
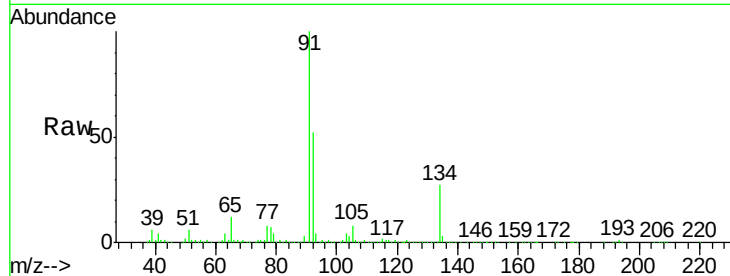
#89
n-Butylbenzene
Concen: 52.359 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	91	Resp:	463943
Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.3
134	28.2	14.0	41.9

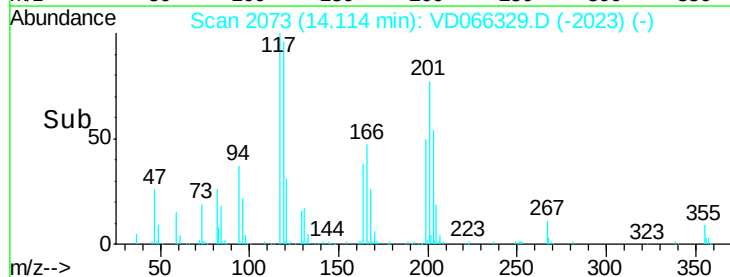
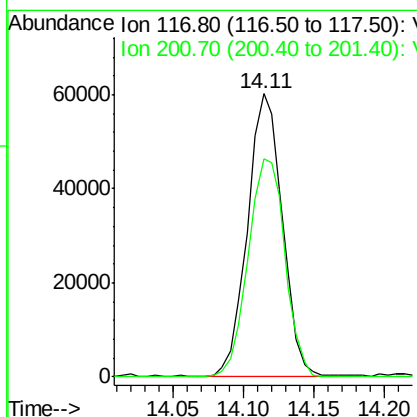
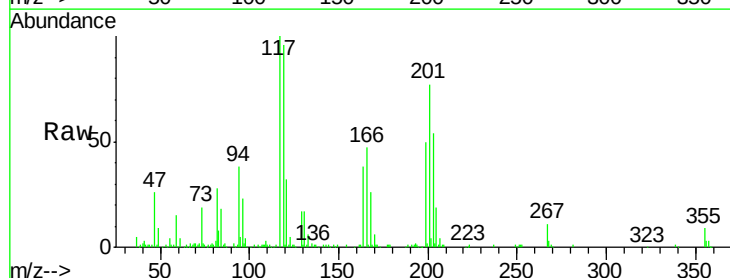
Manual Integrations
APPROVED

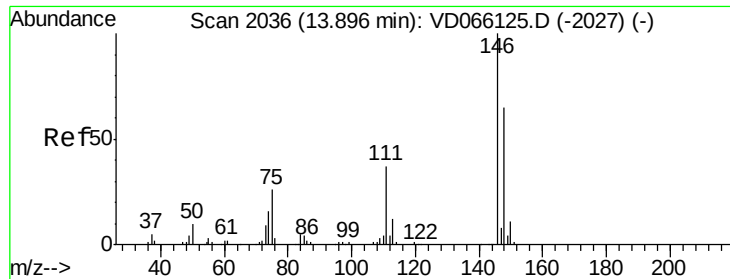
MMDadoda
8/20/2020 3:36:56 PM



#90
Hexachloroethane
Concen: 52.621 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:	117	Resp:	103791
Ion	Ratio	Lower	Upper
117	100		
201	81.6	42.7	128.1





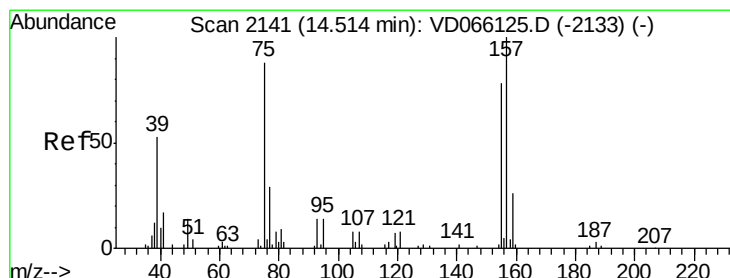
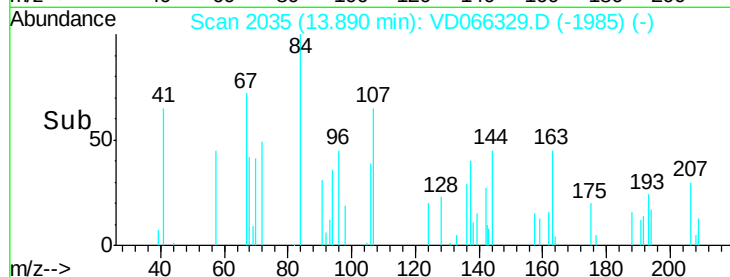
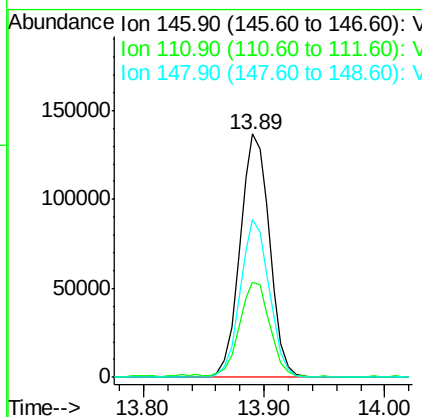
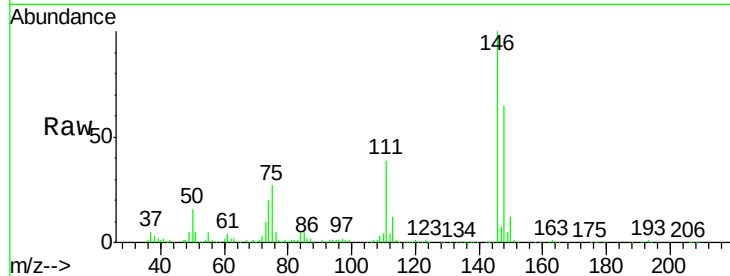
#91
 1,2-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.3
148	63.9	31.9	95.5

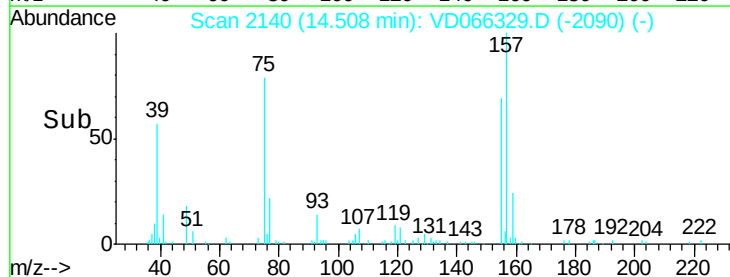
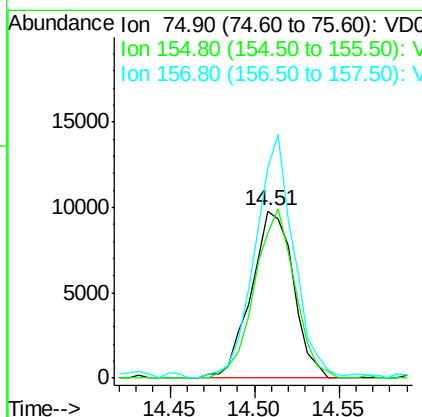
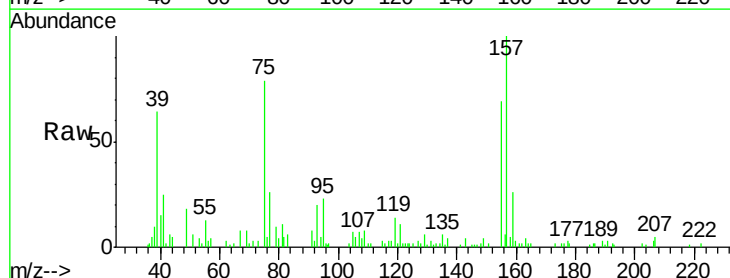
Manual Integrations
 APPROVED

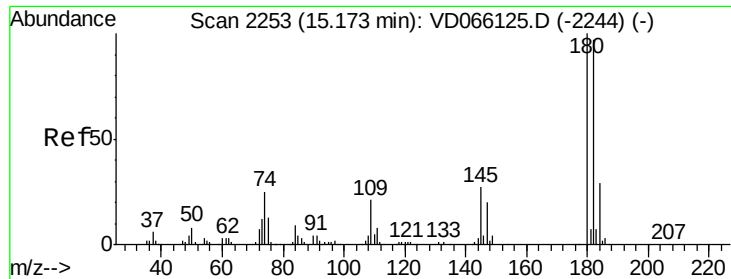
MMDadoda
 8/20/2020 3:36:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.672 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	47.7	143.1
157	133.3	62.1	186.2





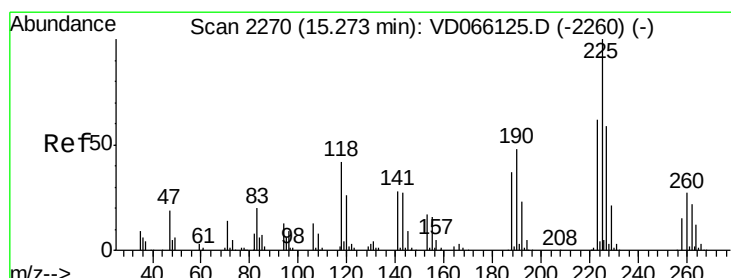
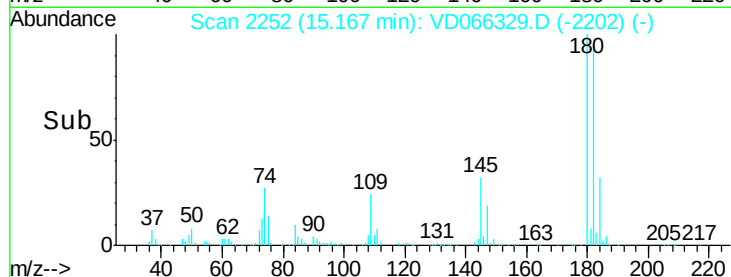
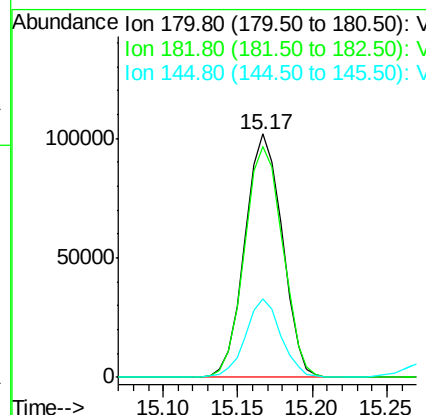
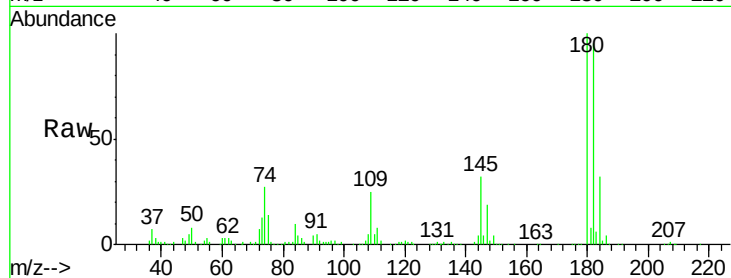
#93
 1,2,4-Trichlorobenzene
 Concen: 52.717 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176512		
182	96.9	47.4	142.2	
145	30.7	14.5	43.6	

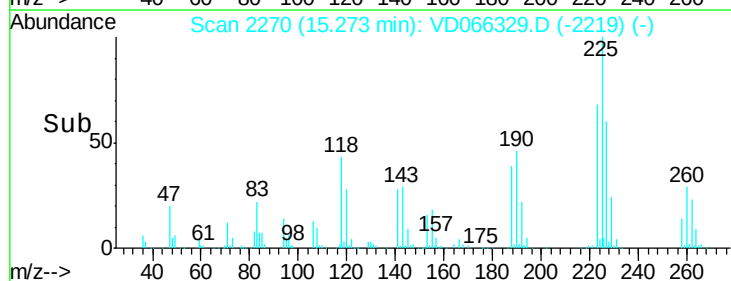
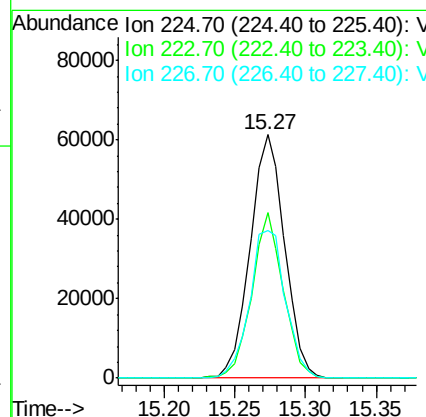
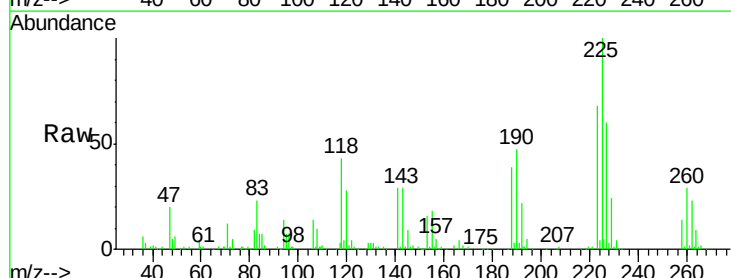
Manual Integrations
 APPROVED

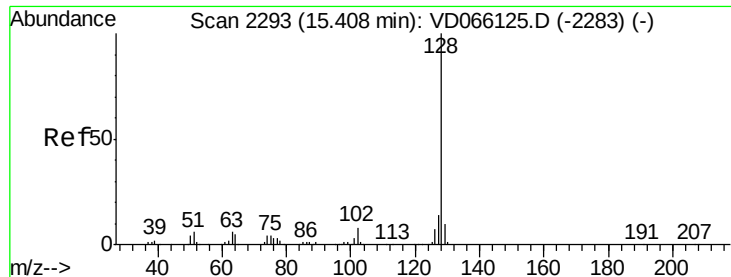
MMDadoda
 8/20/2020 3:36:56 PM



#94
 Hexachlorobutadiene
 Concen: 53.241 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104973		
223	62.1	32.3	96.9	
227	63.2	32.1	96.5	





#95

Naphthalene

Concen: 55.986 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

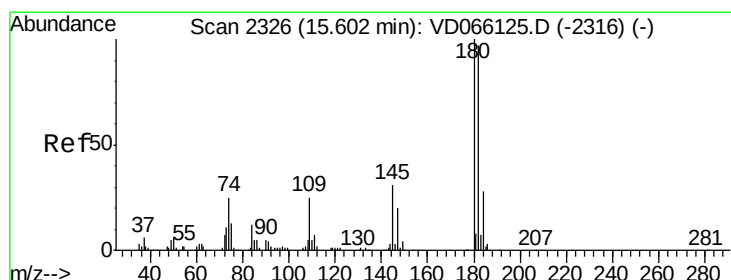
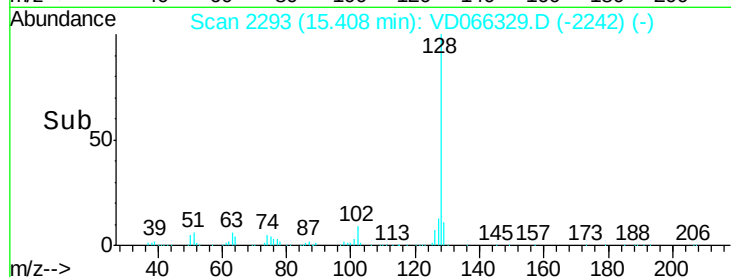
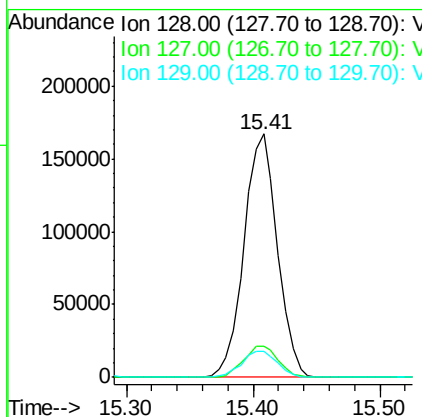
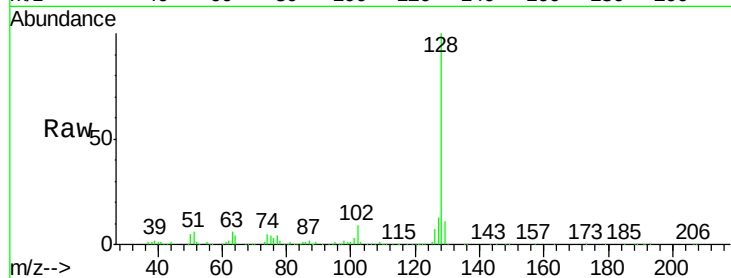
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	305443
Ion Ratio		Lower	Upper
128	100		
127	13.5	11.0	16.4
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:36:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.756 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion:	180	Resp:	152977
Ion Ratio		Lower	Upper
180	100		
182	96.0	47.1	141.4
145	32.8	14.9	44.9

