

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066538.D
 Acq On : 03 Sep 2020 15:29
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:54 PM

Quant Time: Sep 04 01:52:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	348149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	83854	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	7.91	113	77046	21.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.84%	
50) Toluene-d8	10.34	98	278710	21.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.48%	
62) 4-Bromofluorobenzene	12.63	95	93060	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	73351	24.599	ug/l 91
3) Chloromethane	2.21	50	94900	44.008	ug/l 94
4) Vinyl Chloride	2.34	62	104104	40.425	ug/l 96
5) Bromomethane	2.76	94	72509	35.792	ug/l # 73
6) Chloroethane	2.92	64	67068	39.324	ug/l 94
7) Trichlorofluoromethane	3.27	101	153631	23.108	ug/l 100
8) Diethyl Ether	3.70	74	37476	28.106	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	83817	28.698	ug/l 97
10) Methyl Iodide	4.30	142	58752	19.170	ug/l 99
11) Tert butyl alcohol	5.20	59	36283	132.700	ug/l # 74
12) 1,1-Dichloroethene	4.07	96	73971	27.341	ug/l 99
13) Acrolein	3.91	56	18115	143.715	ug/l 91
14) Allyl chloride	4.71	41	120701	36.337	ug/l 99
15) Acrylonitrile	5.43	53	81714	164.068	ug/l 99
16) Acetone	4.16	43	75423	129.898	ug/l 98
17) Carbon Disulfide	4.40	76	243190	30.150	ug/l 98
18) Methyl Acetate	4.71	43	37707	36.860	ug/l 96
19) Methyl tert-butyl Ether	5.47	73	168334	24.159	ug/l 92
20) Methylene Chloride	4.96	84	105607	30.581	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	88729	28.212	ug/l 89
22) Diisopropyl ether	6.36	45	255620	37.694	ug/l 99
23) Vinyl Acetate	6.31	43	691877	163.056	ug/l 98
24) 1,1-Dichloroethane	6.26	63	158072	31.679	ug/l 98
25) 2-Butanone	7.21	43	103648	161.538	ug/l 99
26) 2,2-Dichloropropane	7.20	77	139915	23.821	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	90491	26.640	ug/l 95
28) Bromochloromethane	7.54	49	57788	37.055	ug/l 99
29) Tetrahydrofuran	7.56	42	66608	190.491	ug/l 99
30) Chloroform	7.70	83	166167	27.107	ug/l 95
31) Cyclohexane	7.98	56	140084	31.637	ug/l 95
32) 1,1,1-Trichloroethane	7.90	97	153389	23.297	ug/l 97
36) 1,1-Dichloropropene	8.11	75	126132	23.943	ug/l 99
37) Ethyl Acetate	7.29	43	51640	30.496	ug/l 97
38) Carbon Tetrachloride	8.08	117	135404	17.975	ug/l 97

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136450	22.079	ug/l	98
40) Benzene	8.34	78	346508	25.274	ug/l	96
41) Methacrylonitrile	7.52	41	23000m	25.534	ug/l	
42) 1,2-Dichloroethane	8.42	62	111085	20.098	ug/l	98
43) Isopropyl Acetate	8.45	43	92193	26.692	ug/l	99
44) Trichloroethene	9.10	130	88757	19.685	ug/l	96
45) 1,2-Dichloropropane	9.38	63	87677	30.562	ug/l	95
46) Dibromomethane	9.47	93	49261	25.002	ug/l	94
47) Bromodichloromethane	9.66	83	125799	21.813	ug/l	97
48) Methyl methacrylate	9.45	41	45208	25.649	ug/l	97
49) 1,4-Dioxane	9.47	88	10550	462.710	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	234911	144.994	ug/l	97
52) Toluene	10.40	92	219255	22.923	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	112633	21.512	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134629	23.821	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	61100	24.496	ug/l	97
56) Ethyl methacrylate	10.66	69	67599	22.719	ug/l	98
57) 1,3-Dichloropropane	10.94	76	106986	25.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	181156	151.175	ug/l	98
59) 2-Hexanone	10.98	43	155926	134.155	ug/l	99
60) Dibromochloromethane	11.14	129	79233	19.933	ug/l	98
61) 1,2-Dibromoethane	11.24	107	58111	22.821	ug/l	98
64) Tetrachloroethene	10.87	164	76121	18.918	ug/l	89
65) Chlorobenzene	11.67	112	223855	21.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85515	19.662	ug/l	99
67) Ethyl Benzene	11.74	91	410108	22.059	ug/l	98
68) m/p-Xylenes	11.85	106	309475	43.096	ug/l	99
69) o-Xylene	12.18	106	141202	20.889	ug/l	95
70) Styrene	12.19	104	241175	20.824	ug/l	100
71) Bromoform	12.36	173	42164	18.009	ug/l #	97
73) Isopropylbenzene	12.48	105	377219	22.062	ug/l	100
74) N-amyl acetate	12.29	43	84422	29.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64771	29.433	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	53082m	30.429	ug/l	
77) Bromobenzene	12.76	156	83513	19.729	ug/l	97
78) n-propylbenzene	12.82	91	461792	24.205	ug/l	99
79) 2-Chlorotoluene	12.91	91	263841	24.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	324664	21.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20872	27.664	ug/l	94
82) 4-Chlorotoluene	13.01	91	281418	24.013	ug/l	99
83) tert-Butylbenzene	13.23	119	258392	20.165	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	331624	22.476	ug/l	97
85) sec-Butylbenzene	13.40	105	377322	22.631	ug/l	99
86) p-Isopropyltoluene	13.52	119	342187	20.896	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	167468	21.110	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	169224	21.182	ug/l	98
89) n-Butylbenzene	13.85	91	325335	23.145	ug/l	99
90) Hexachloroethane	14.12	117	73050	24.147	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	143870	20.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10977	20.894	ug/l	94

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ClientSampleId :
VSTDICC020

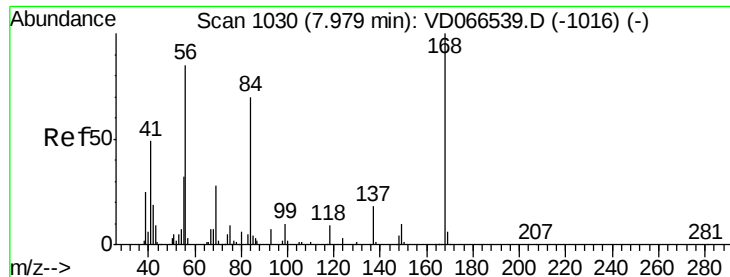
Manual Integrations
APPROVED

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9/4/2020 4:54:54 PM

Quant Time: Sep 04 01:52:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:16:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87490	16.760	ug/l	98
94) Hexachlorobutadiene	15.27	225	52343	15.621	ug/l	98
95) Naphthalene	15.41	128	142881	17.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74531	16.474	ug/l	98

(#) = 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. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 348149

Ion Ratio Lower Upper

168 100

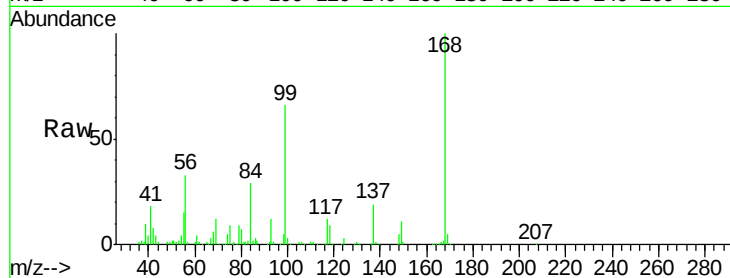
99 65.6 50.5 75.7

Manual Integrations

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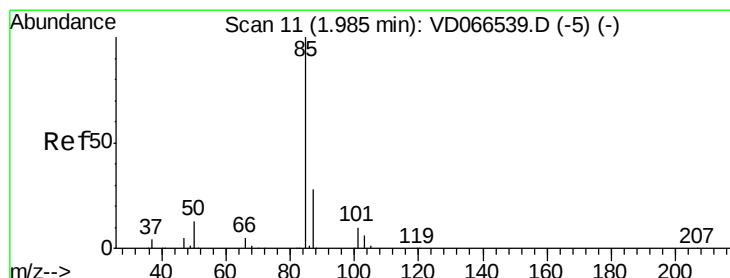
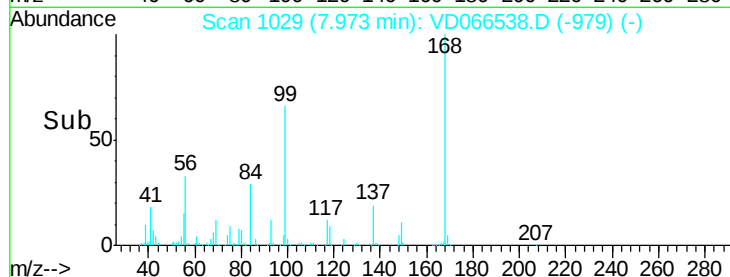
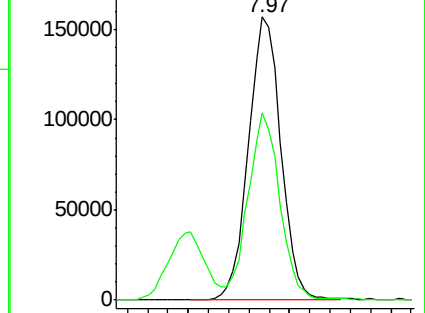
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.599 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066538.D

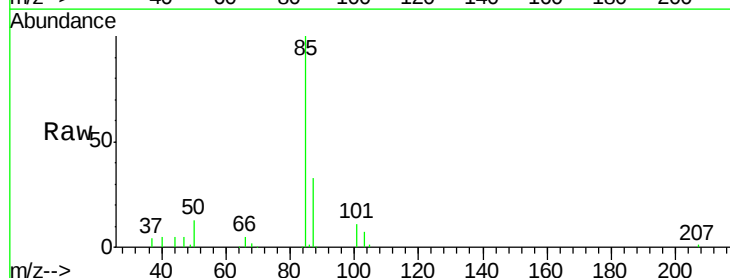
Acq: 03 Sep 2020 15:29

Tgt Ion: 85 Resp: 73351

Ion Ratio Lower Upper

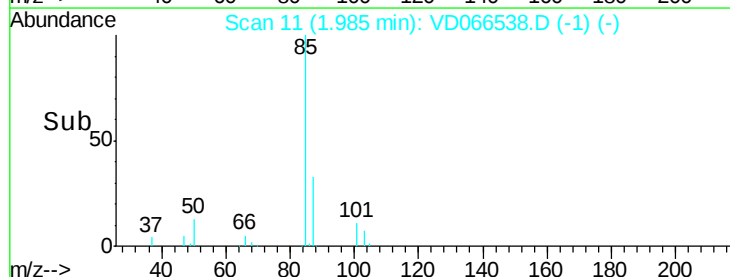
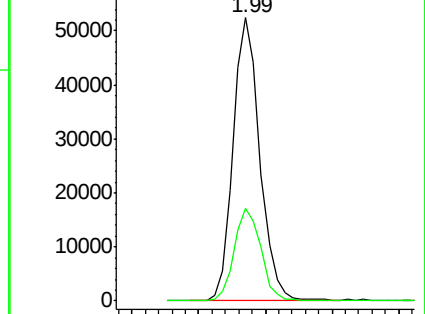
85 100

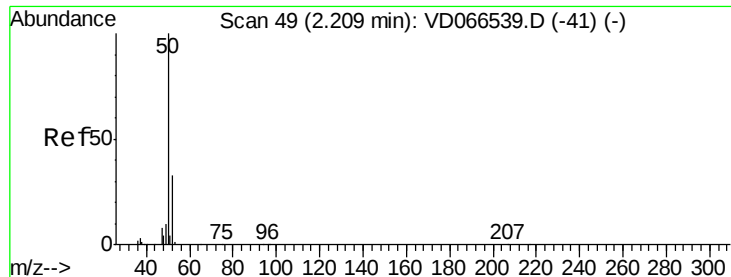
87 32.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





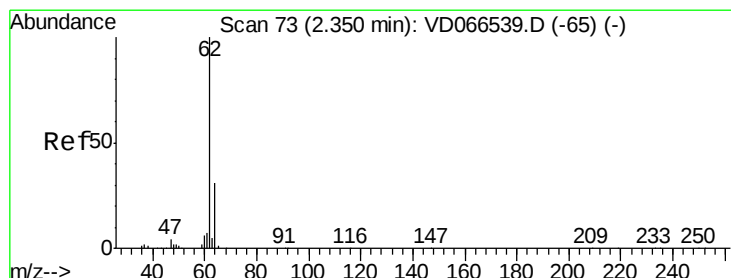
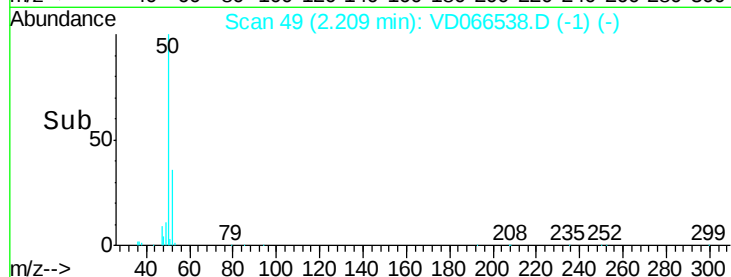
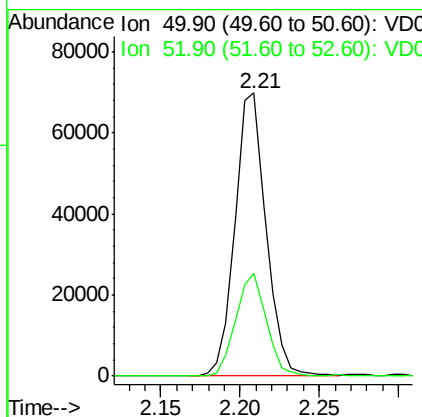
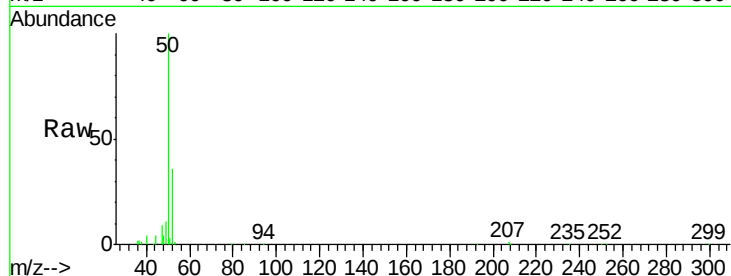
#3
Chloromethane
Concen: 44.008 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	50	Resp	94900
Ion Ratio	100	Lower	Upper
50	100		
52	36.3	26.2	39.2

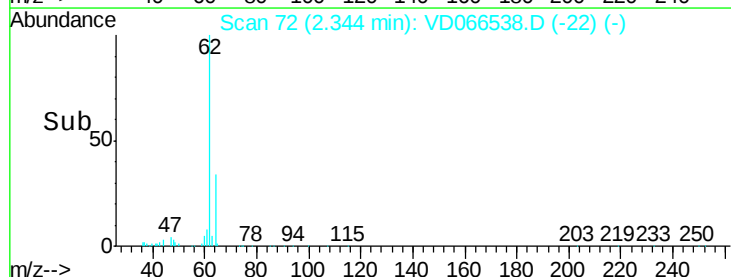
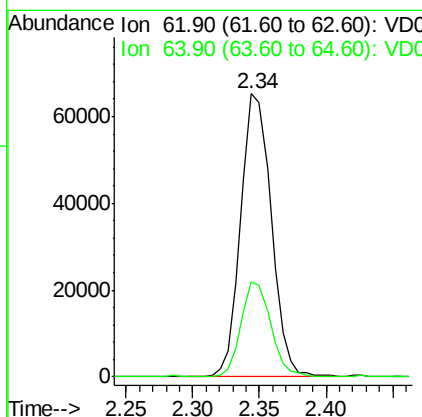
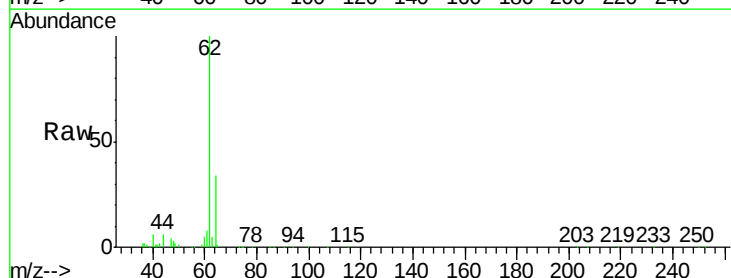
Manual Integrations
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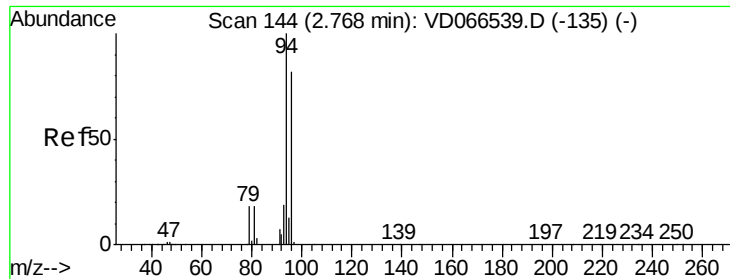
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#4
Vinyl Chloride
Concen: 40.425 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	62	Resp	104104
Ion Ratio	100	Lower	Upper
62	100		
64	33.6	25.3	37.9





#5

Bromomethane

Concen: 35.792 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 72509

Ion Ratio Lower Upper

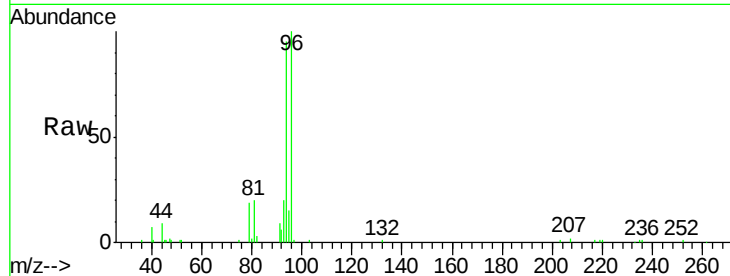
94 100

96 105.3 65.2 97.8#

Manual Integrations
APPROVED

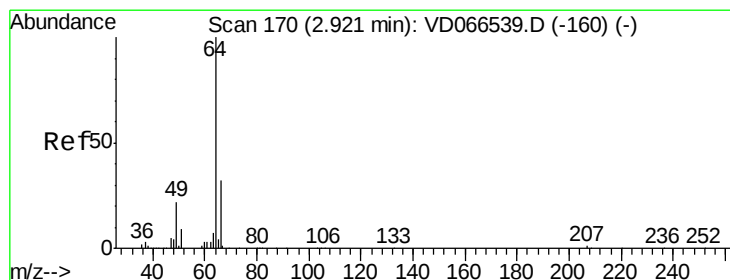
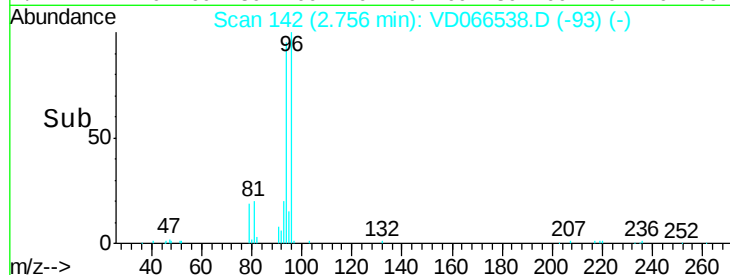
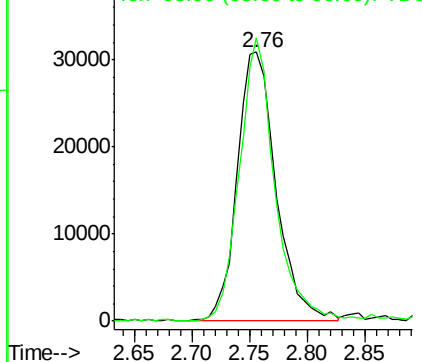
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 39.324 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066538.D

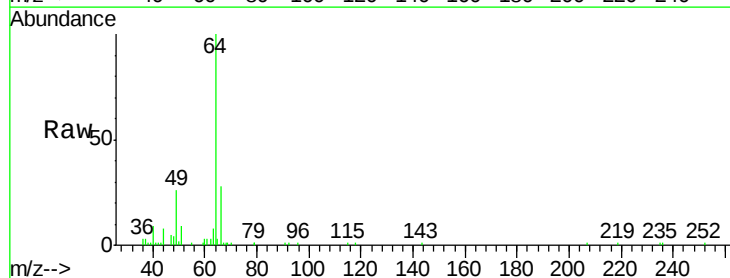
Acq: 03 Sep 2020 15:29

Tgt Ion: 64 Resp: 67068

Ion Ratio Lower Upper

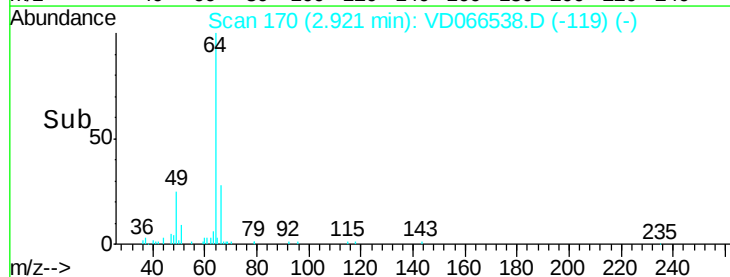
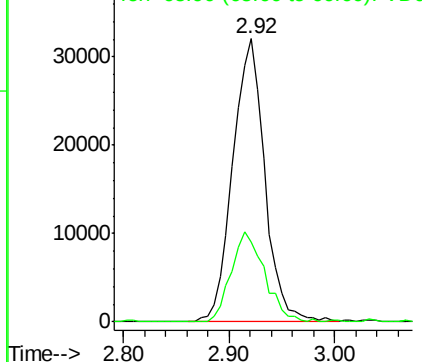
64 100

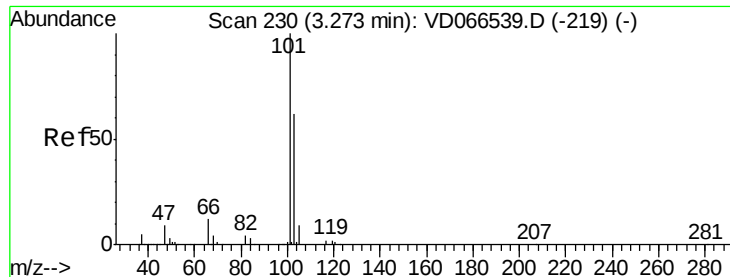
66 28.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

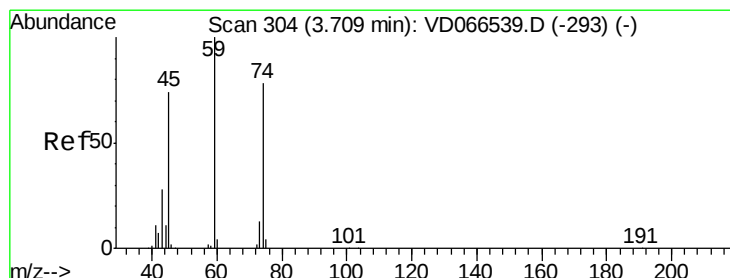
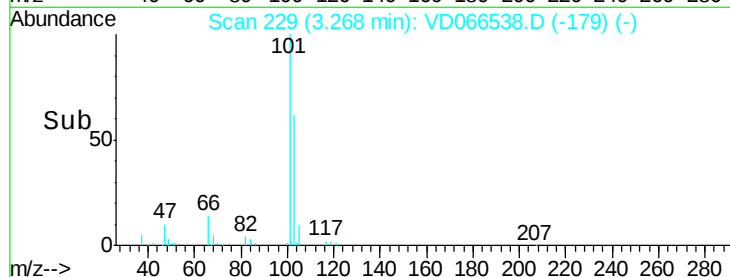
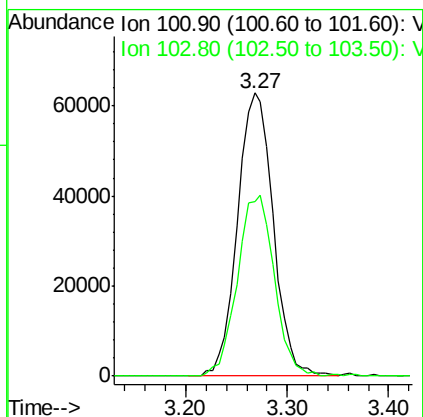
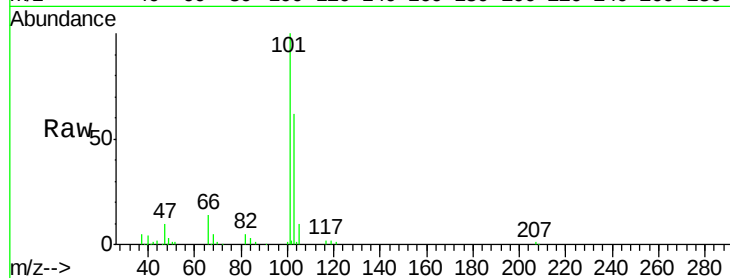
Trichlorofluoromethane
Concen: 23.108 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	49.7	74.5

Manual Integrations
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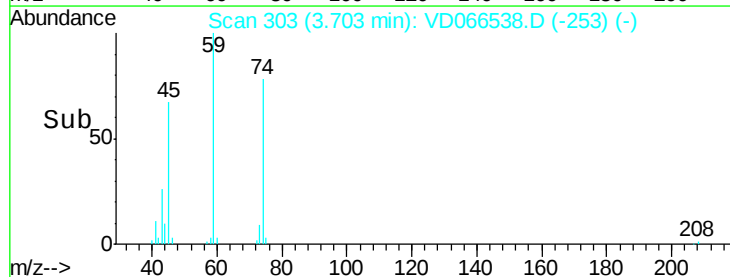
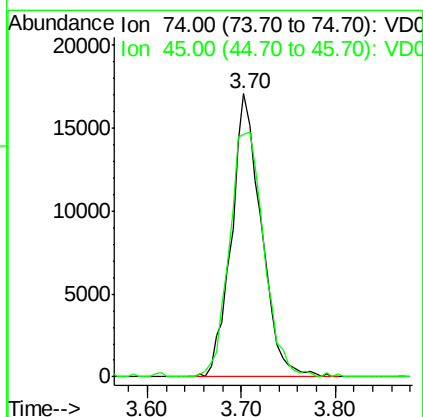
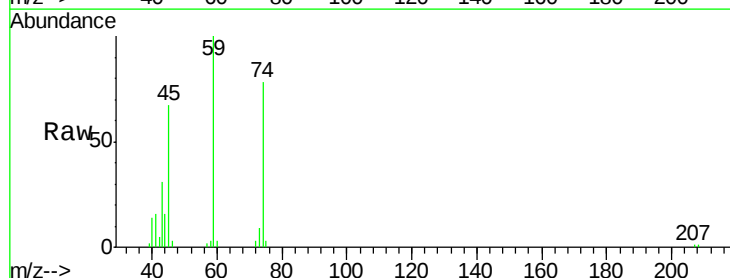
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9/4/2020 4:54:54 PM

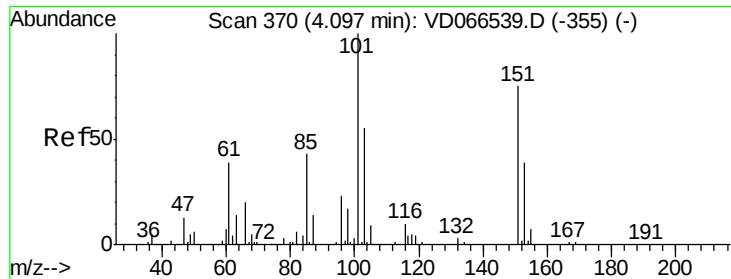


#8

Diethyl Ether
Concen: 28.106 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.698 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

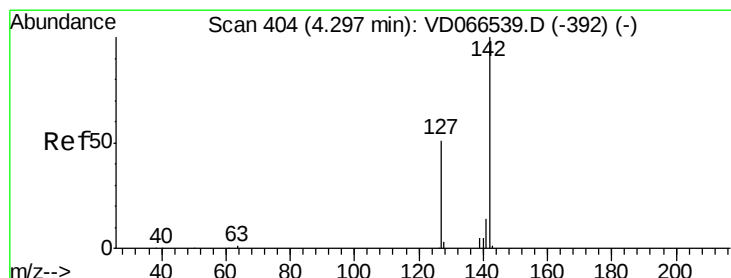
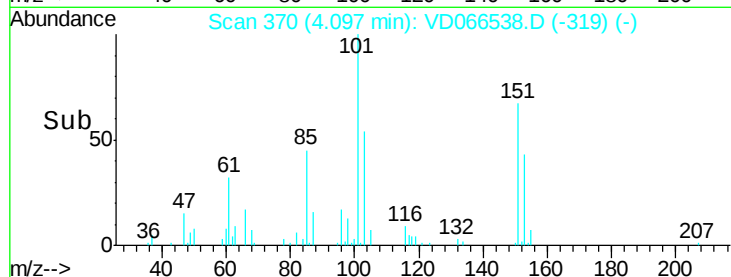
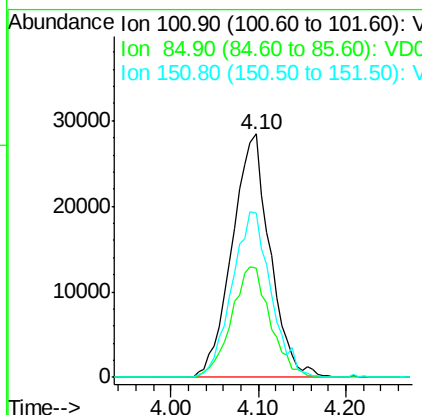
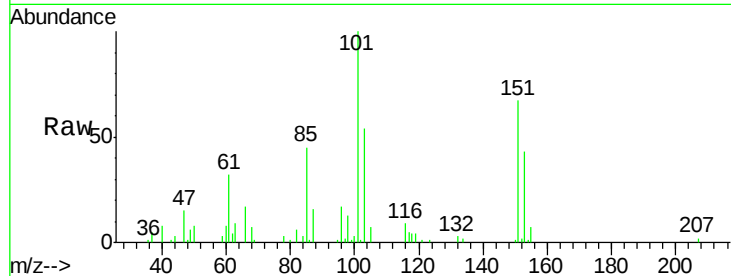
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	83817
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.0	55.6
151	69.6	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:54:54 PM



#10

Methyl Iodide

Concen: 19.170 ug/l

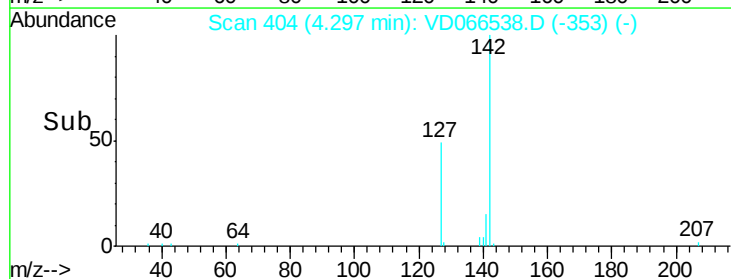
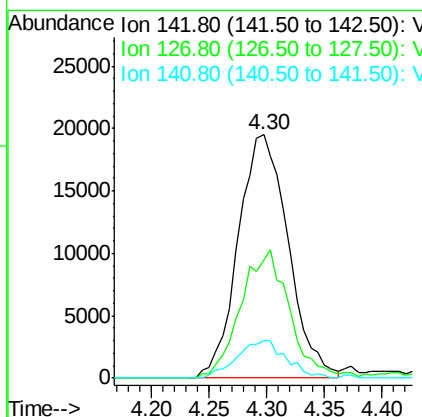
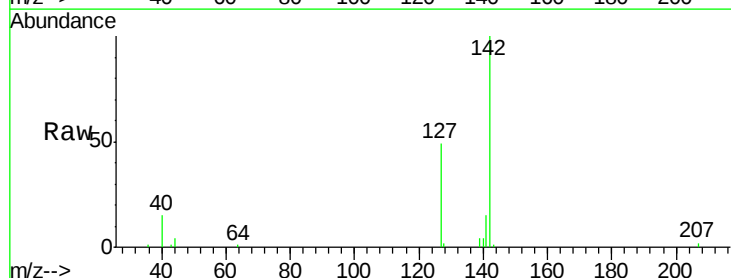
RT: 4.30 min Scan# 404

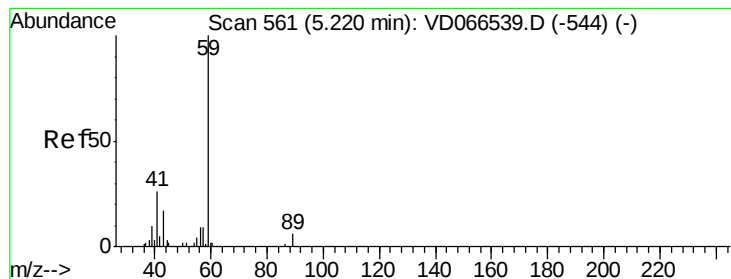
Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion:	142	Resp:	58752
Ion Ratio	Lower	Upper	
142	100		
127	51.6	40.6	61.0
141	15.3	12.2	18.4





#11

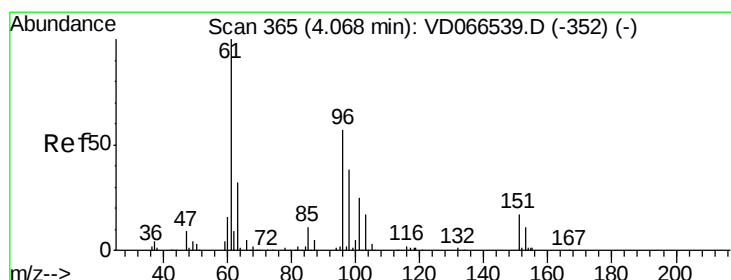
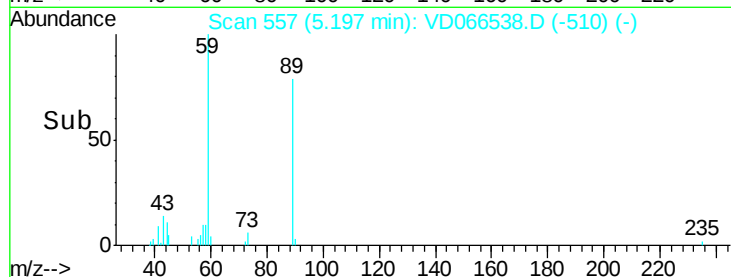
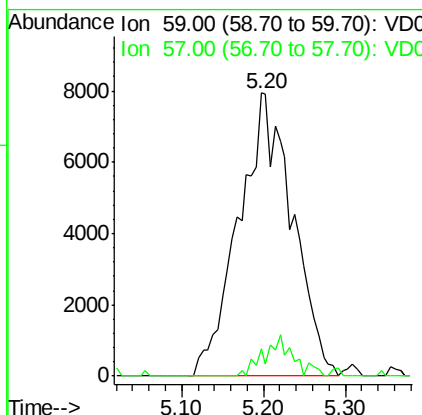
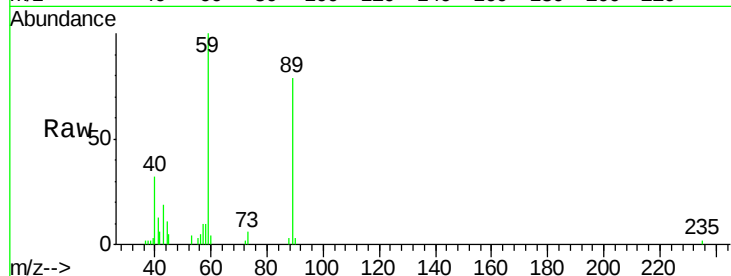
Tert butyl alcohol
 Concen: 132.700 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 36283
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

Manual Integrations
 APPROVED

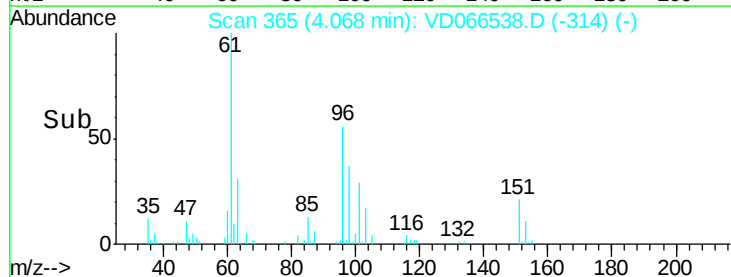
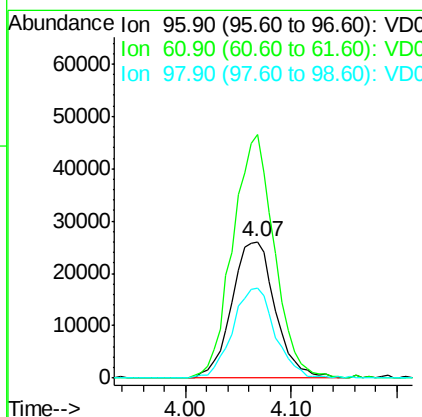
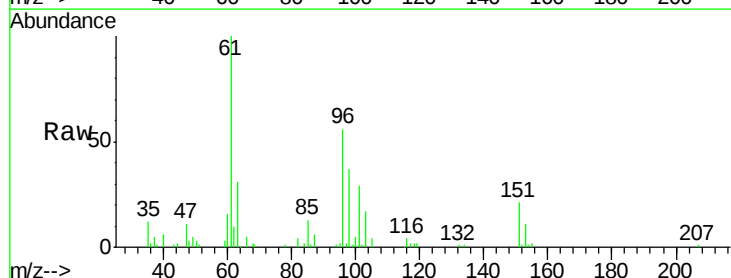
MMDadoda
 9/4/2020 4:54:54 PM

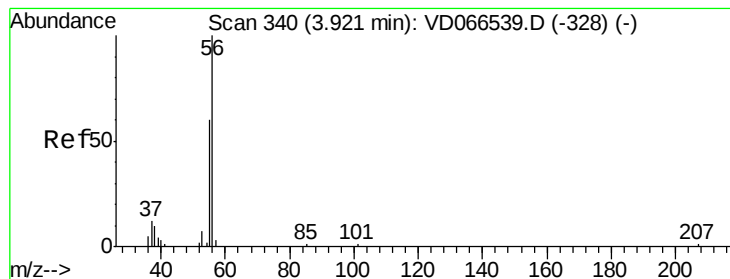


#12

1,1-Dichloroethene
 Concen: 27.341 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 96 Resp: 73971
 Ion Ratio Lower Upper
 96 100
 61 178.5 140.9 211.3
 98 66.2 53.2 79.8





#13

Acrolein

Concen: 143.715 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18115

Ion Ratio Lower Upper

56 100

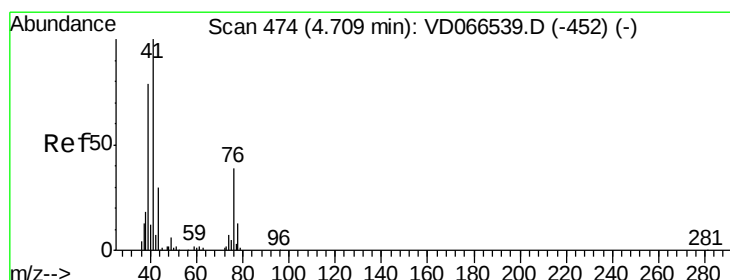
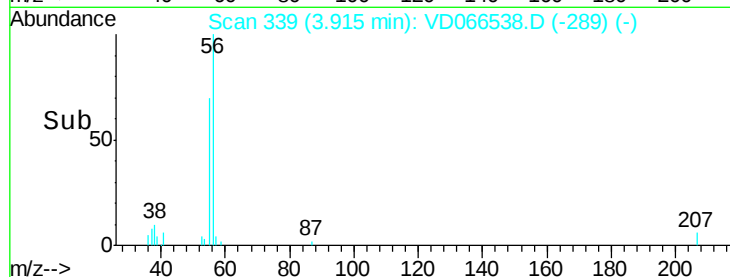
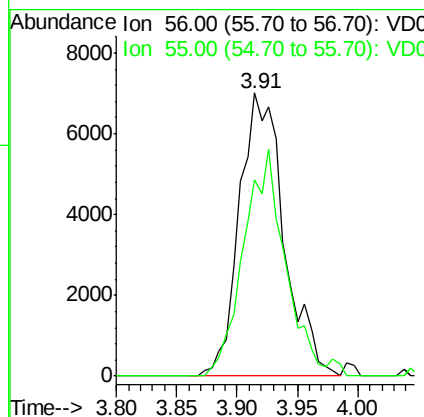
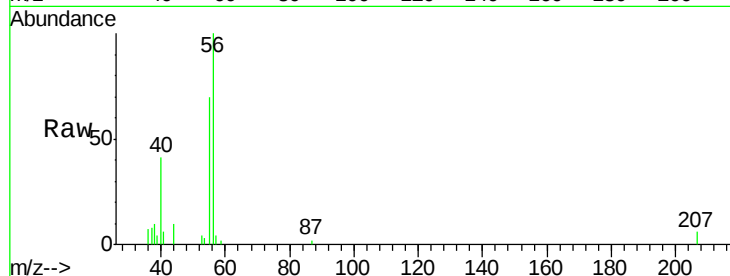
55 73.9 53.6 80.4

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:54:54 PM



#14

Allyl chloride

Concen: 36.337 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

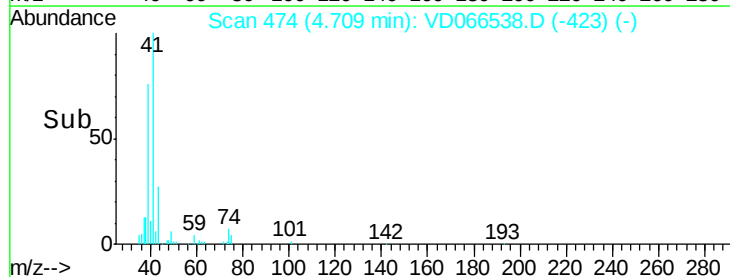
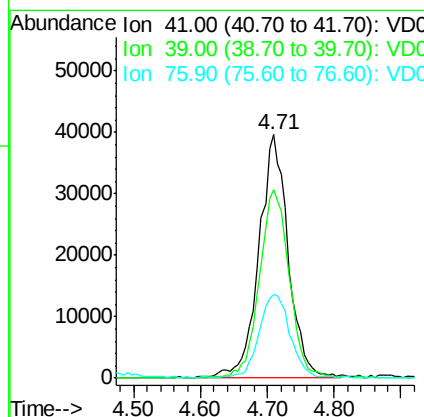
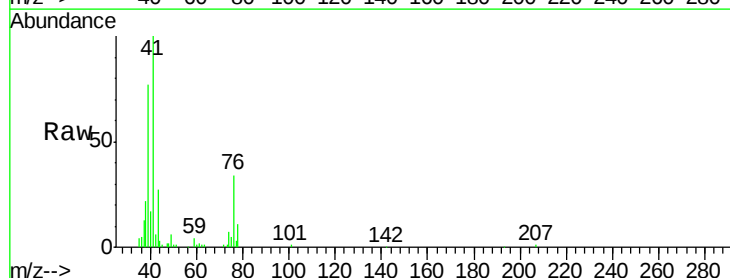
Tgt Ion: 41 Resp: 120701

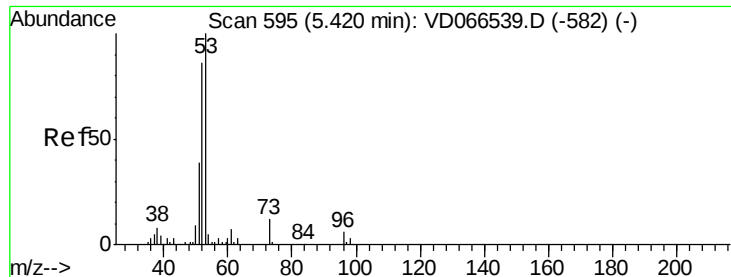
Ion Ratio Lower Upper

41 100

39 78.7 61.9 92.9

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 164.068 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

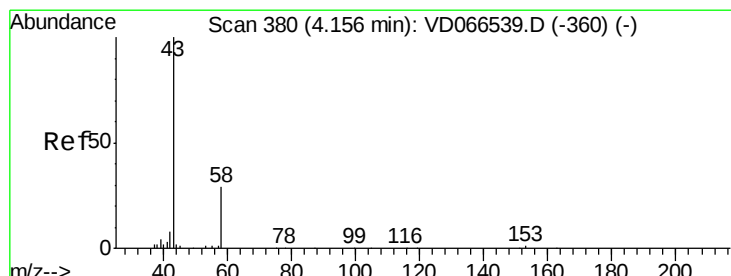
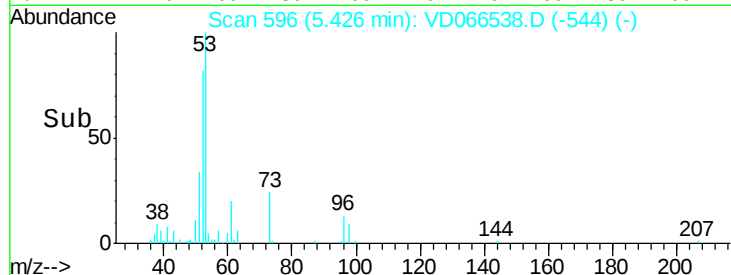
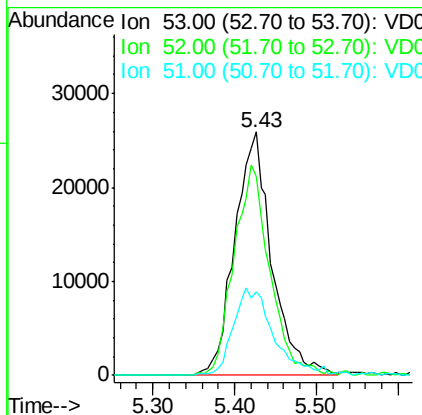
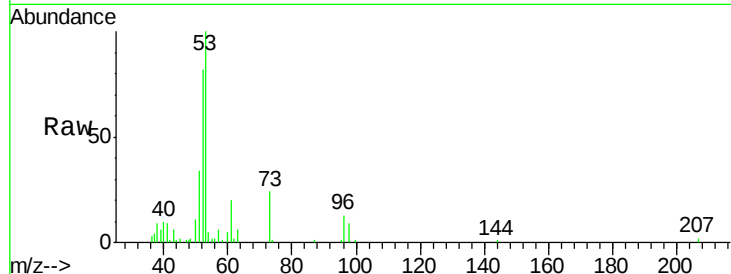
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	81714
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.4	98.2
51	38.8	31.2	46.8

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 129.898 ug/l

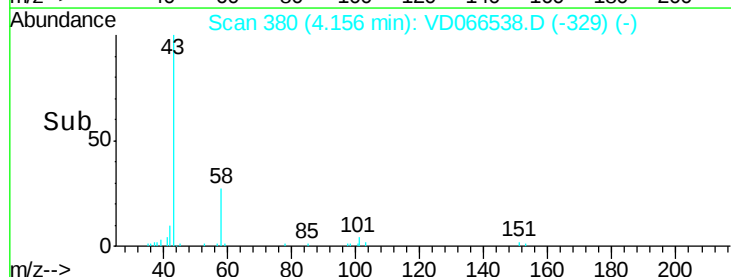
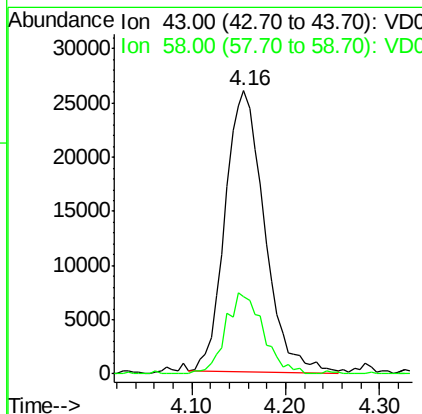
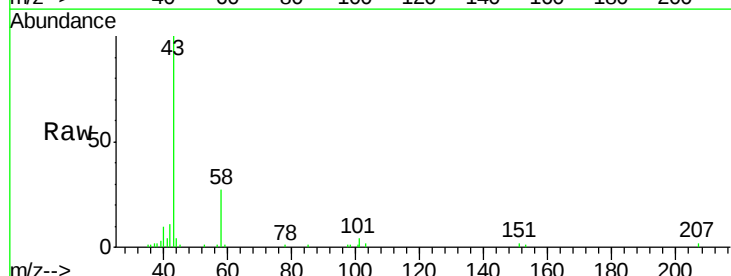
RT: 4.16 min Scan# 380

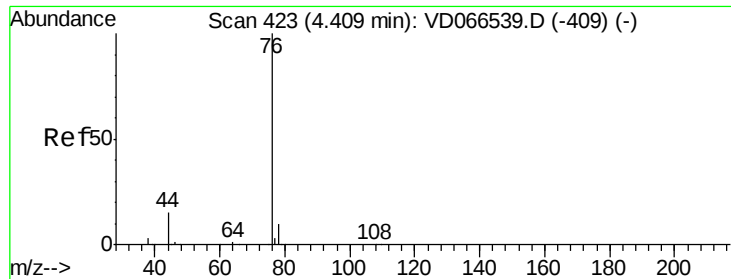
Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion:	43	Resp:	75423
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.9	34.3





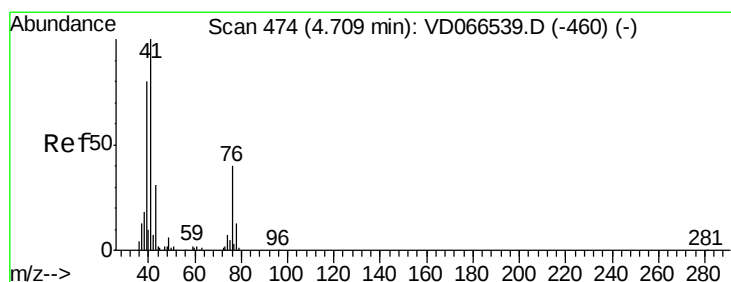
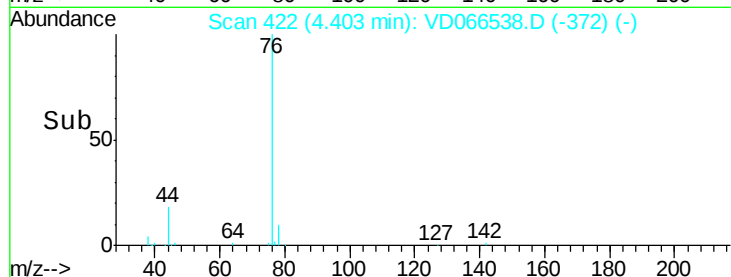
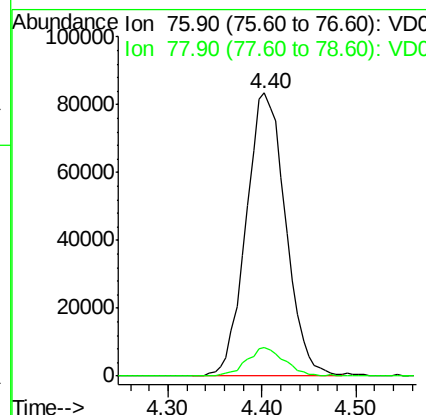
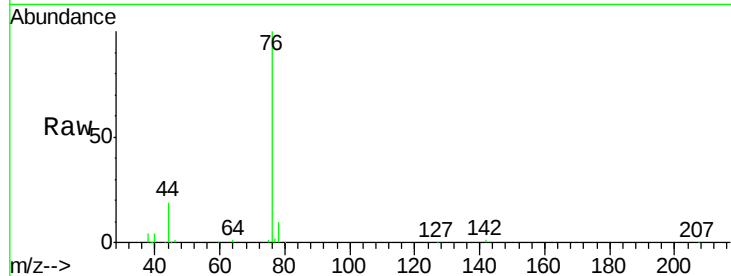
#17
Carbon Disulfide
Concen: 30.150 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
76	100		243190		
78	10.1	7.6		11.4	

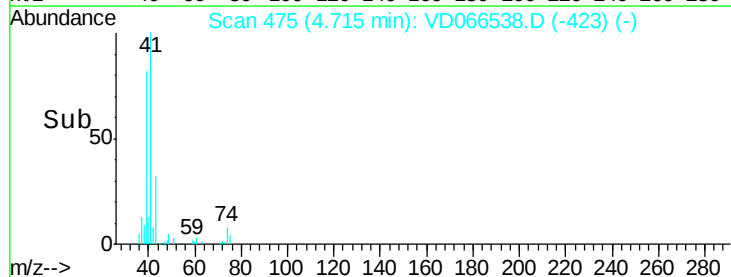
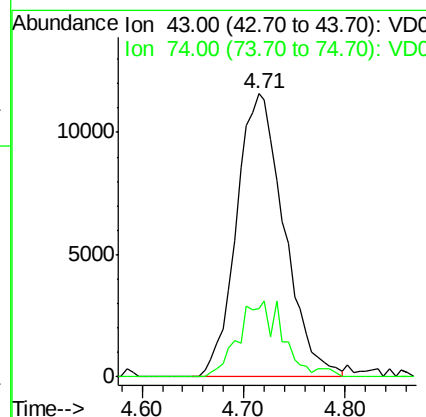
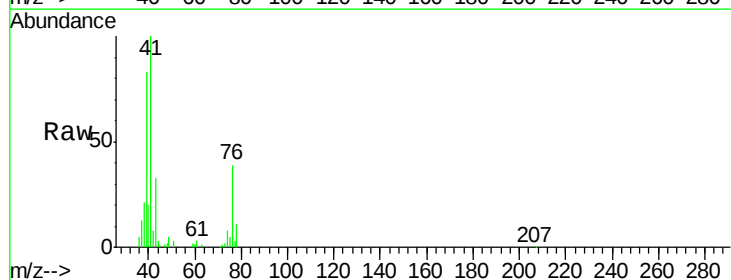
Manual Integrations
APPROVED

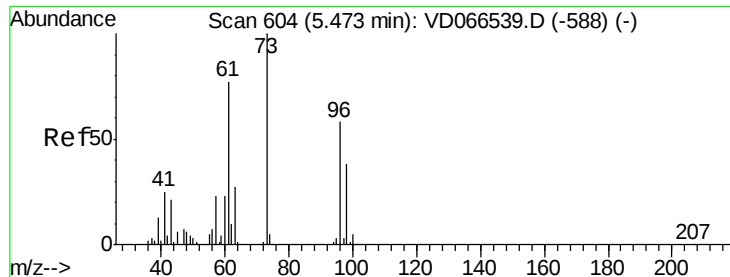
MMDadoda
9/4/2020 4:54:54 PM



#18
Methyl Acetate
Concen: 36.860 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		37707		
74	24.5	18.0		27.0	





#19

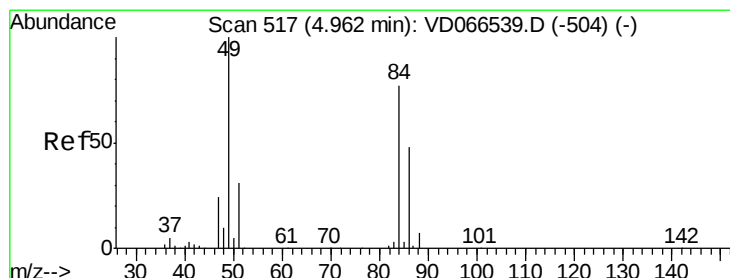
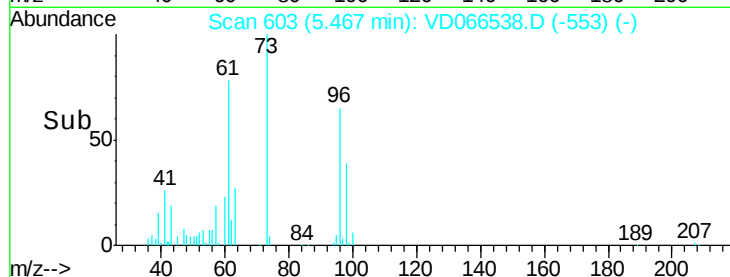
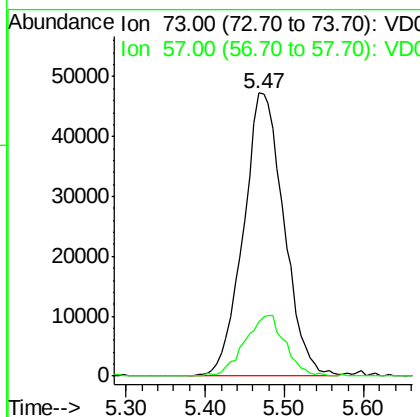
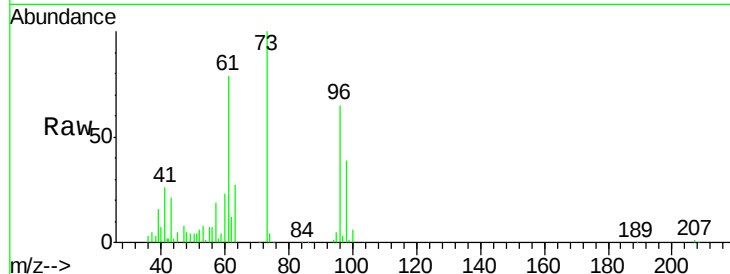
Methyl tert-butyl Ether
 Concen: 24.159 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	18.3	27.5

Manual Integrations
 APPROVED

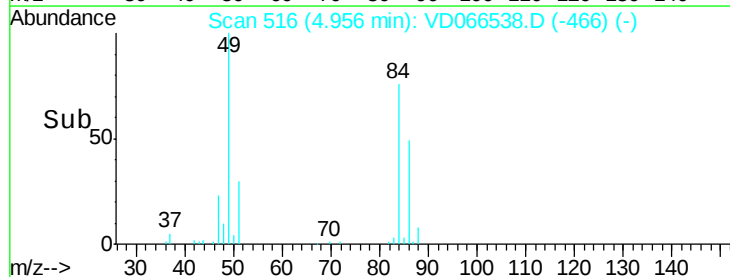
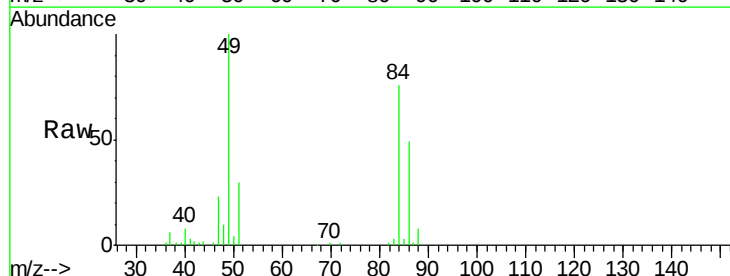
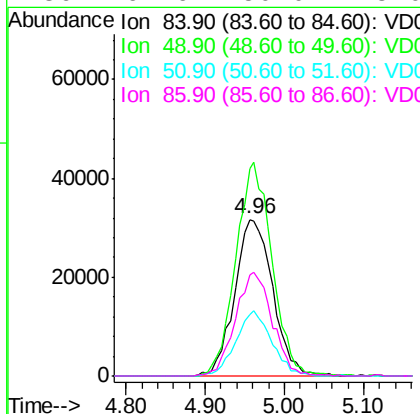
MMDadoda
 9/4/2020 4:54:54 PM

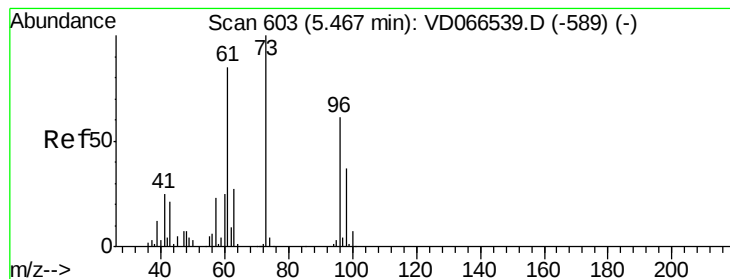


#20

Methylene Chloride
 Concen: 30.581 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	104.3	156.5
51	39.3	32.2	48.4
86	64.6	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 28.212 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 88729

Ion Ratio Lower Upper

96 100

61 121.5 112.1 168.1

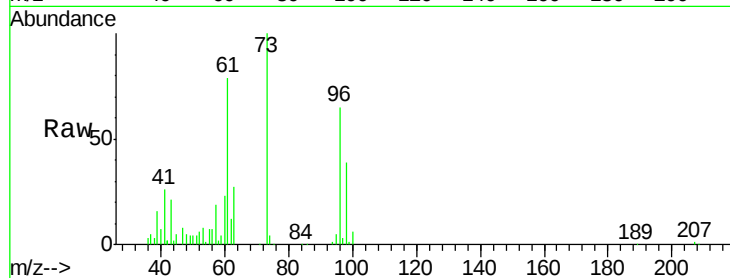
98 60.6 48.6 72.8

Manual Integrations

APPROVED

MMDadoda

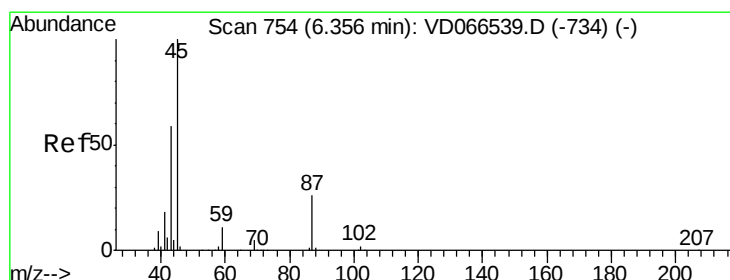
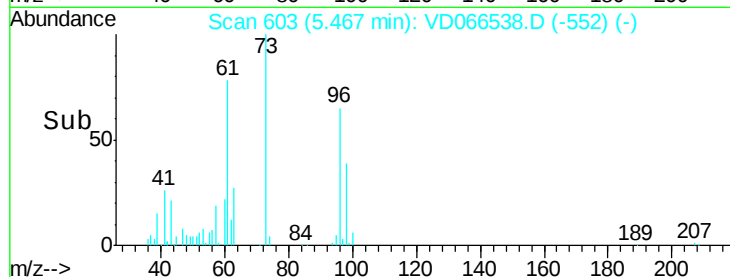
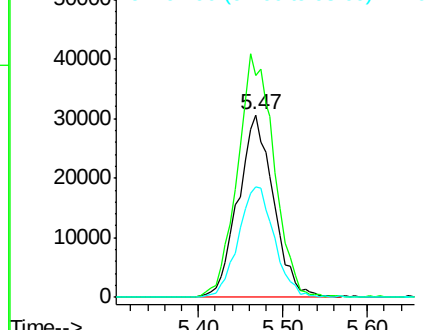
9/4/2020 4:54:54 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 37.694 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion: 45 Resp: 255620

Ion Ratio Lower Upper

45 100

43 59.4 47.0 70.4

87 27.5 21.3 31.9

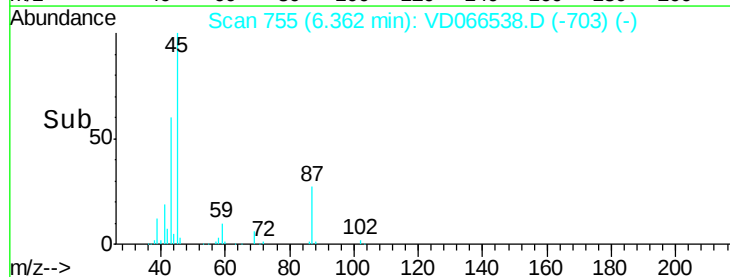
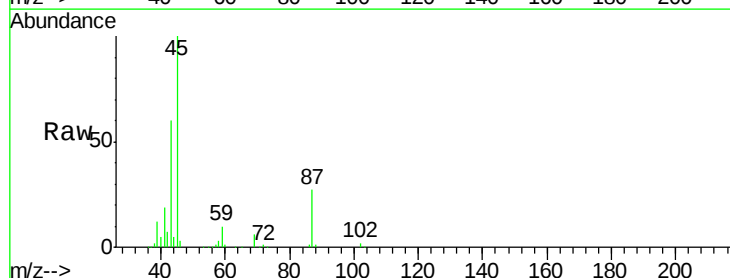
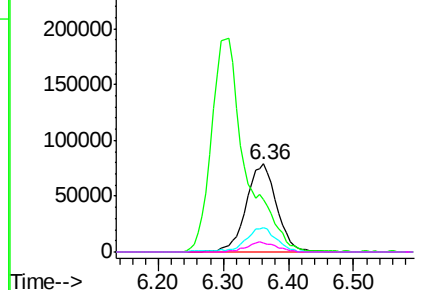
59 10.3 8.7 13.1

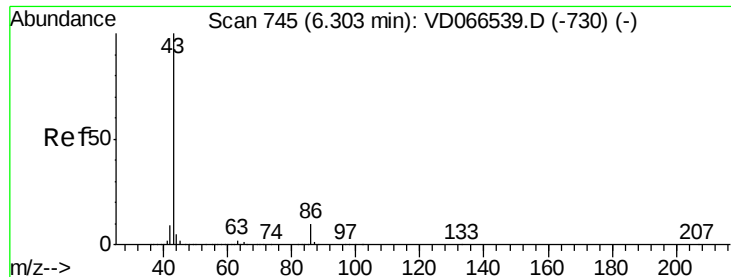
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 163.056 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 691877

Ion Ratio Lower Upper

43 100

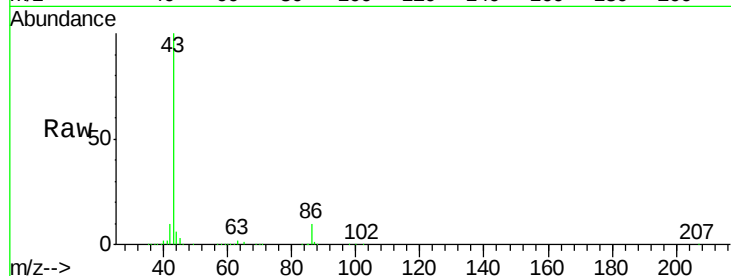
86 10.4 7.7 11.5

Manual Integrations

APPROVED

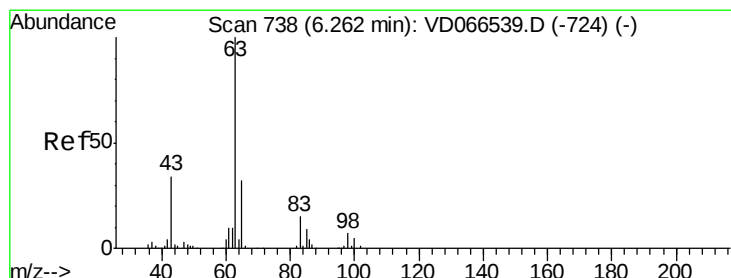
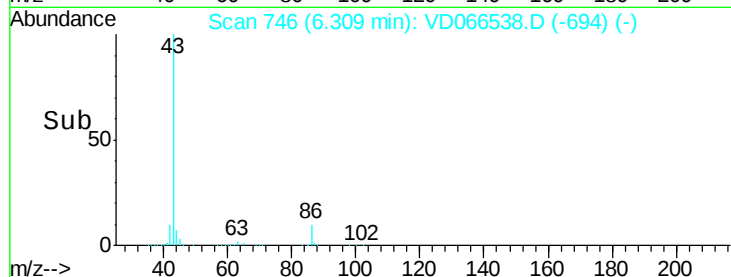
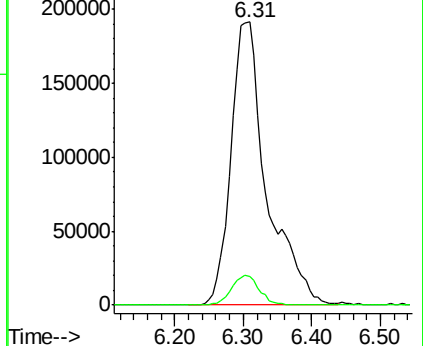
MMDadoda

9/4/2020 4:54:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 31.679 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

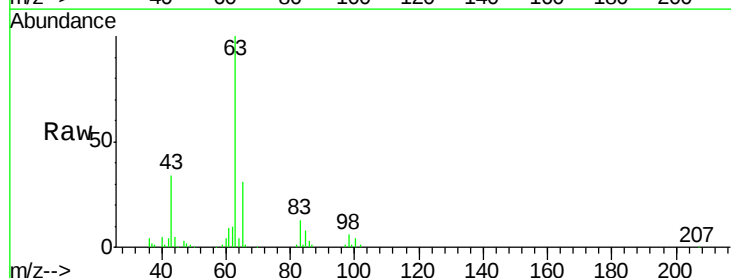
Tgt Ion: 63 Resp: 158072

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

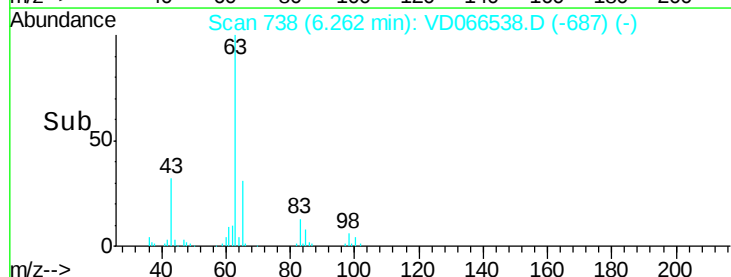
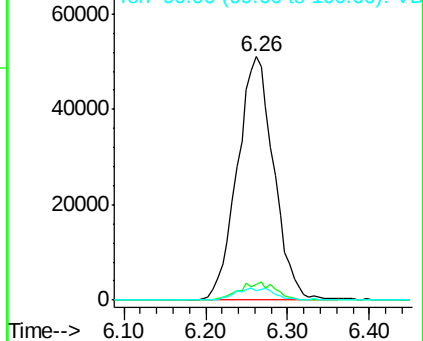
100 3.7 2.5 7.4

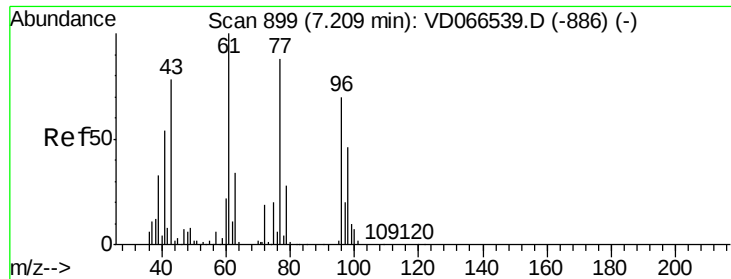


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 161.538 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 103648

Ion Ratio Lower Upper

43 100

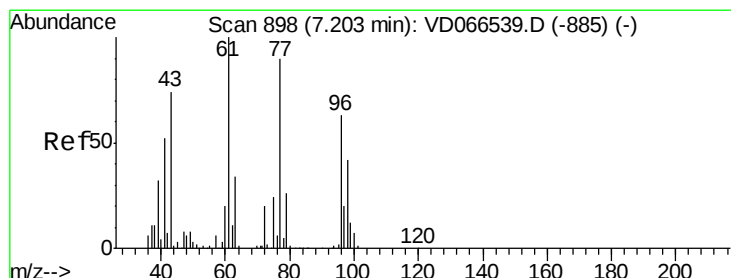
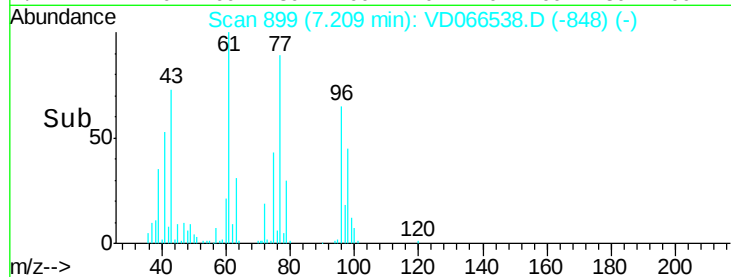
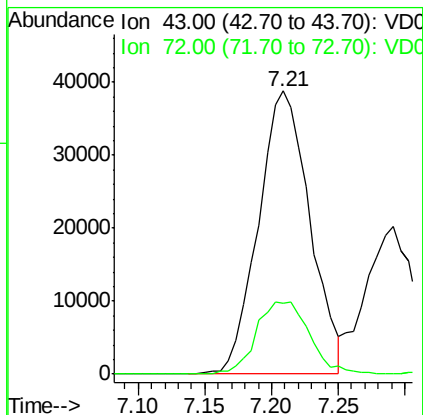
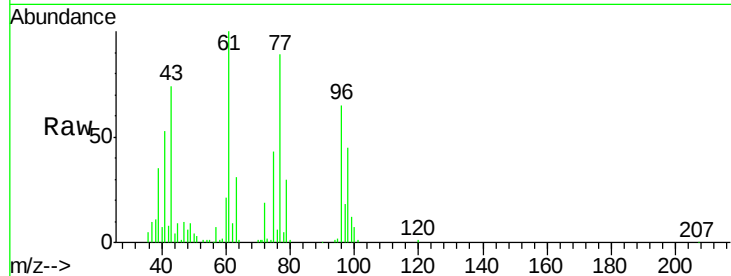
72 25.1 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:54:54 PM



#26

2,2-Dichloropropane

Concen: 23.821 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066538.D

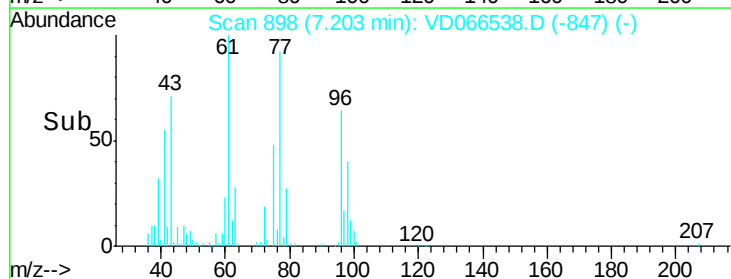
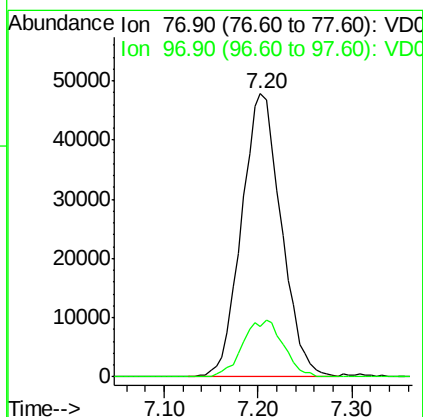
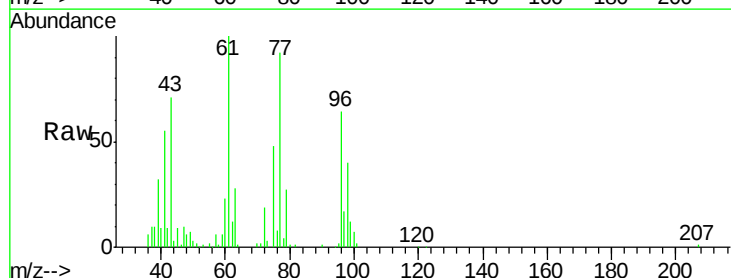
Acq: 03 Sep 2020 15:29

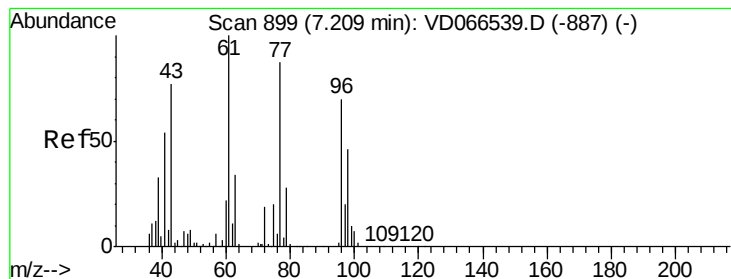
Tgt Ion: 77 Resp: 139915

Ion Ratio Lower Upper

77 100

97 20.7 10.8 32.3





#27

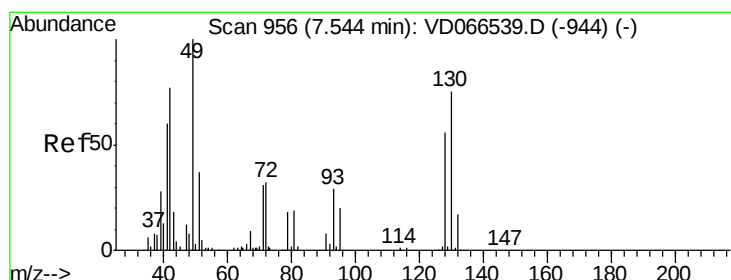
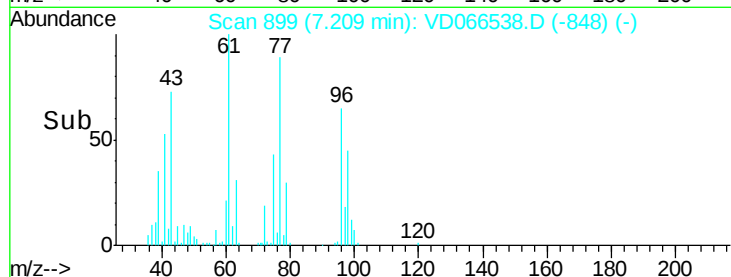
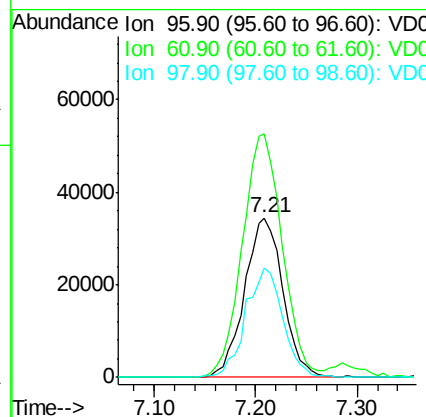
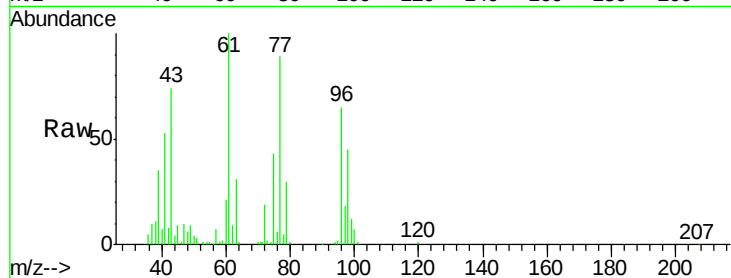
cis-1,2-Dichloroethene
Concen: 26.640 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	301.0
98	66.6	0.0	129.8

Manual Integrations
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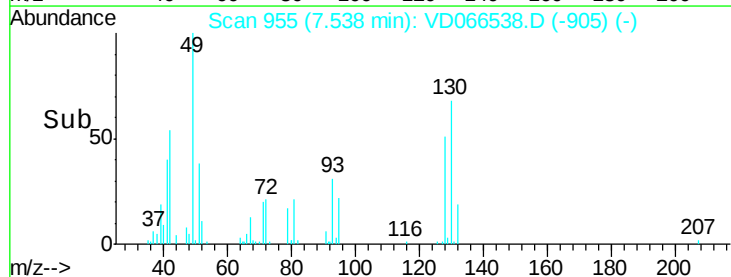
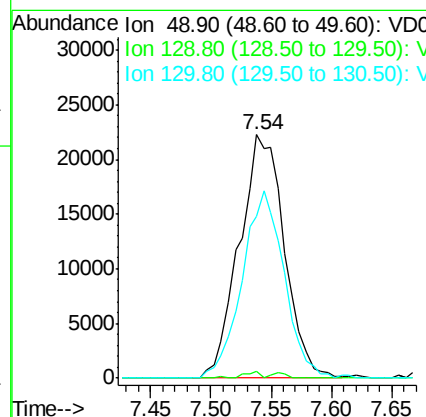
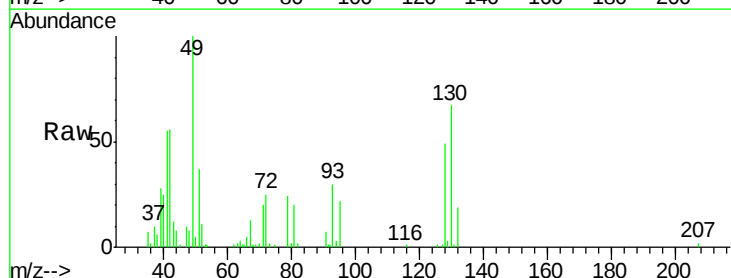
MMDadoda
9/4/2020 4:54:54 PM

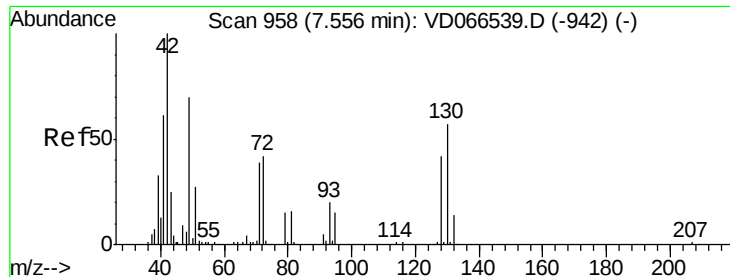


#28

Bromochloromethane
Concen: 37.055 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	71.8	58.2	87.2





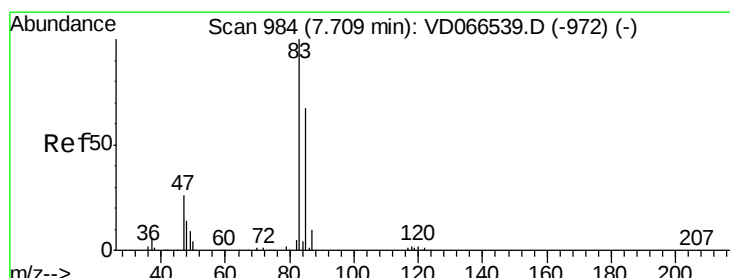
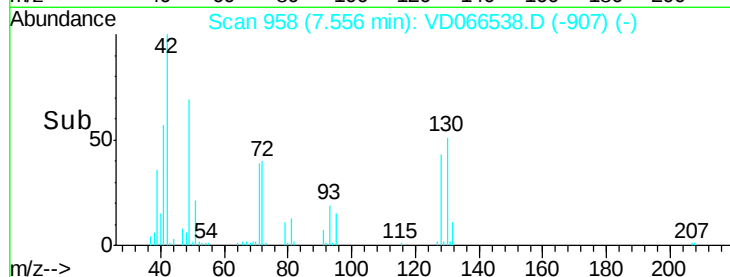
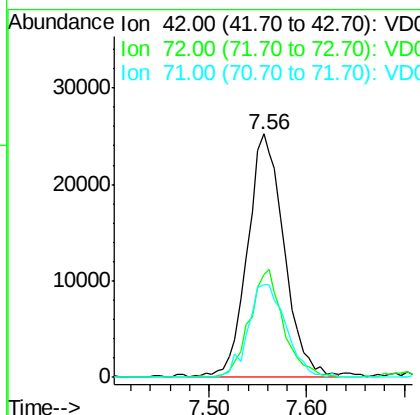
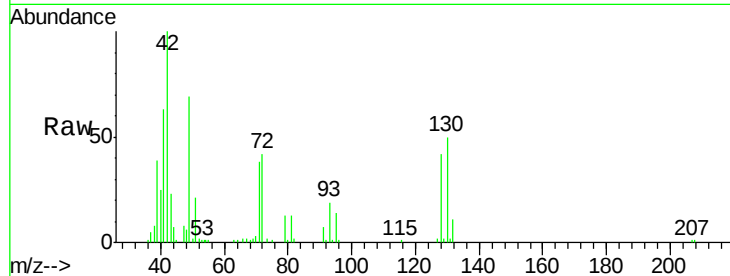
#29
Tetrahydrofuran
Concen: 190.491 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.4	50.0
71	39.1	31.9	47.9

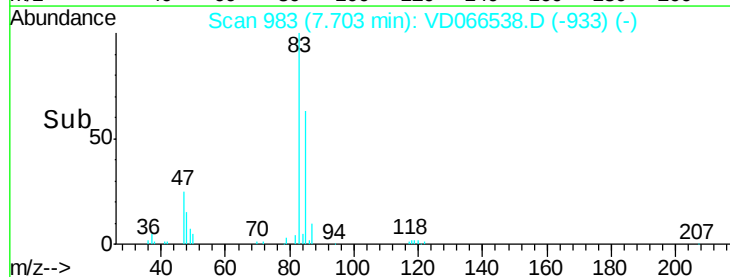
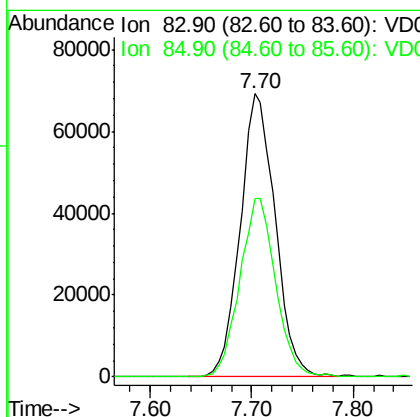
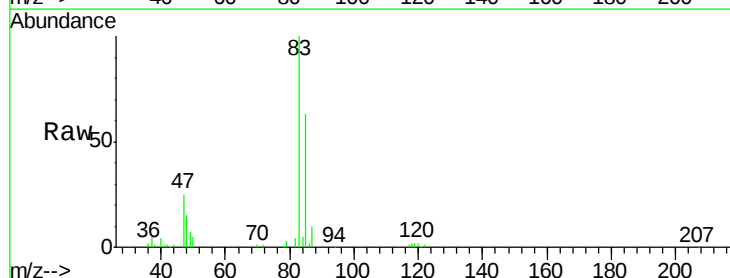
Manual Integrations
APPROVED

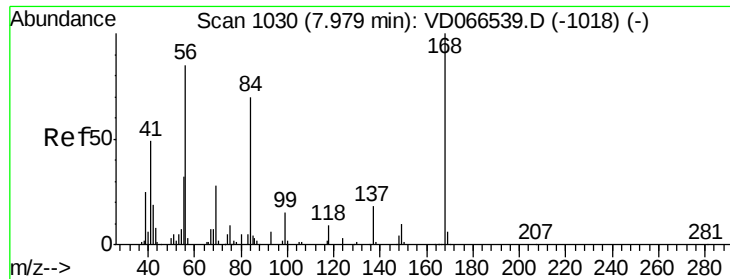
MMDadoda
9/4/2020 4:54:54 PM



#30
Chloroform
Concen: 27.107 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.6	80.4





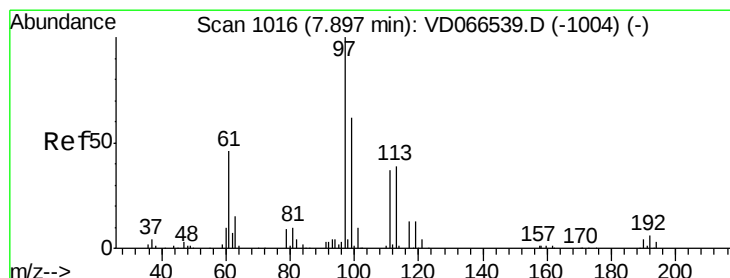
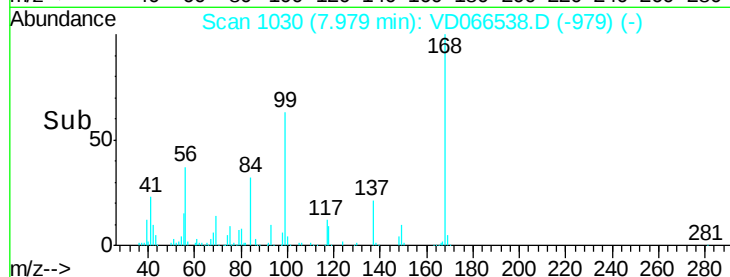
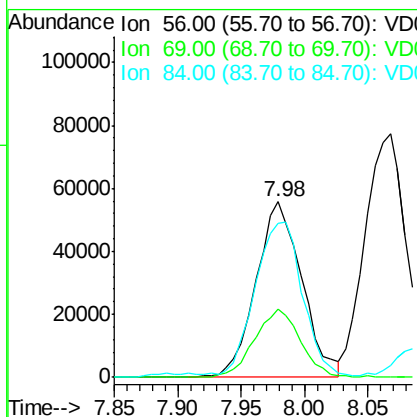
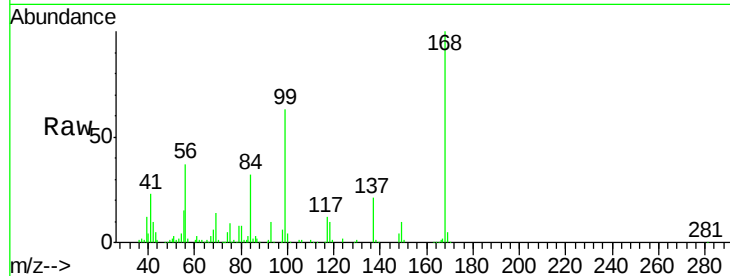
#31
Cyclohexane
Concen: 31.637 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	26.3	39.5
84	85.4	66.1	99.1

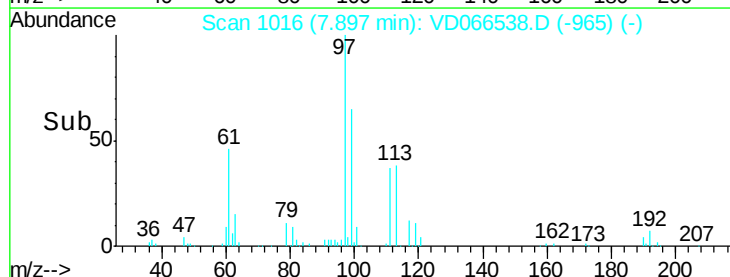
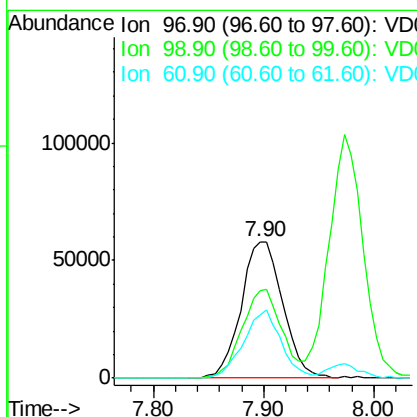
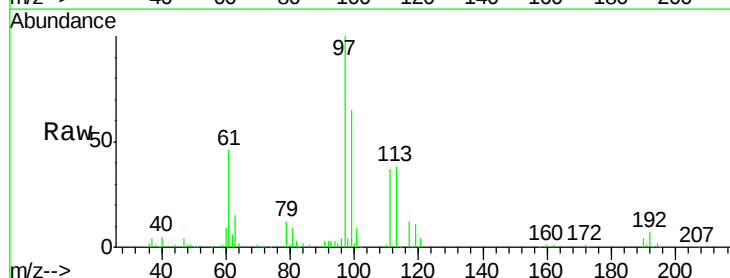
Manual Integrations
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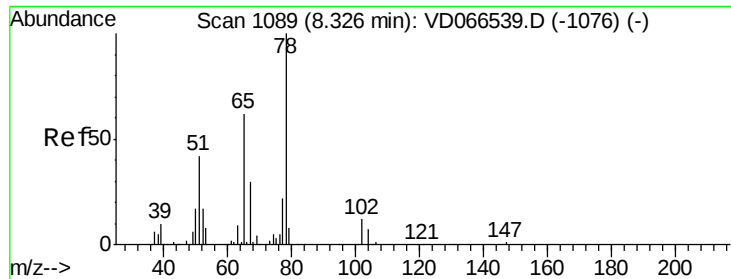
MMDadoda
9/4/2020 4:54:54 PM



#32
1,1,1-Trichloroethane
Concen: 23.297 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.4	77.0
61	45.0	37.4	56.0





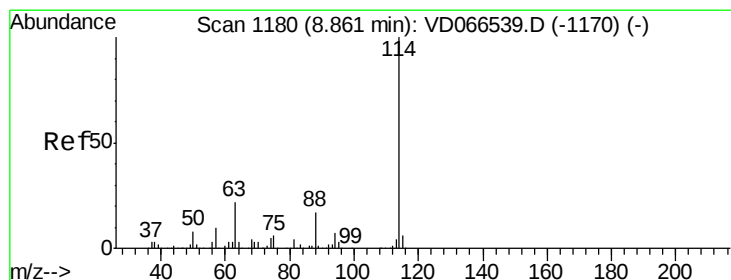
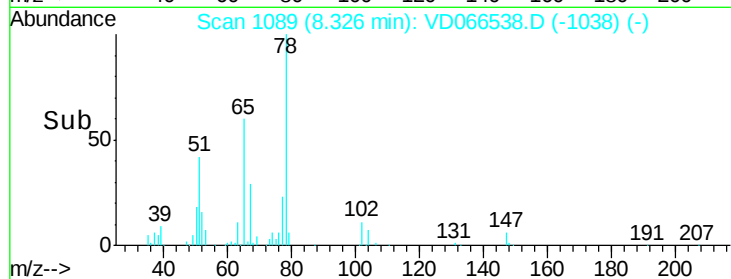
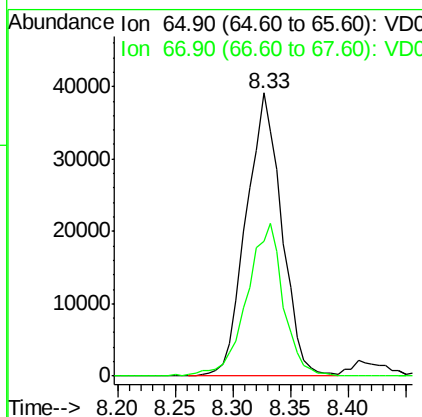
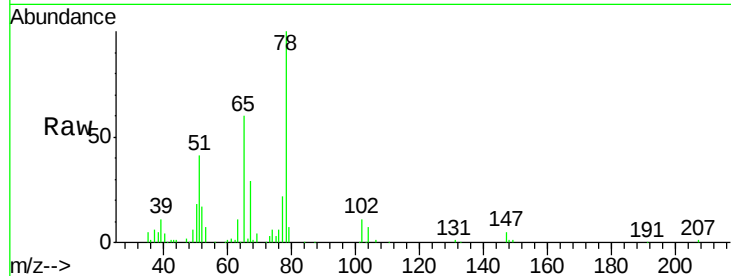
#33
 1,2-Dichloroethane-d4
 Concen: 22.563 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	83854		
67	55.4	0.0	102.8	

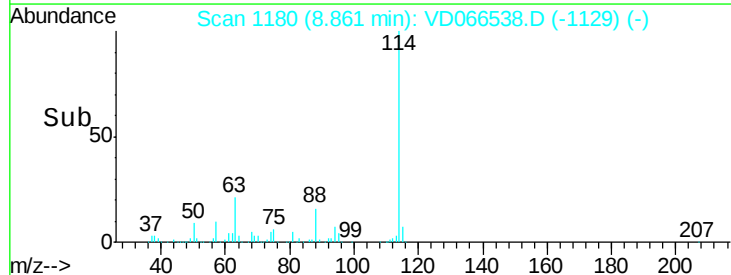
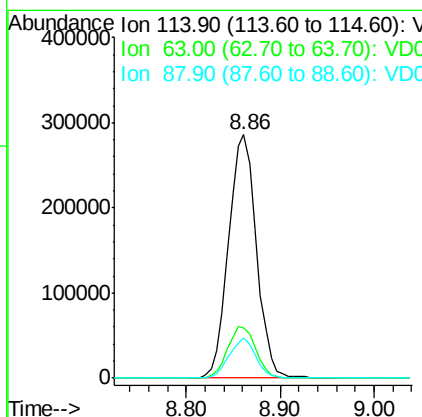
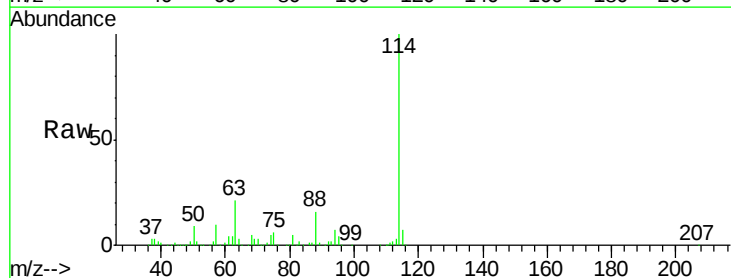
Manual Integrations
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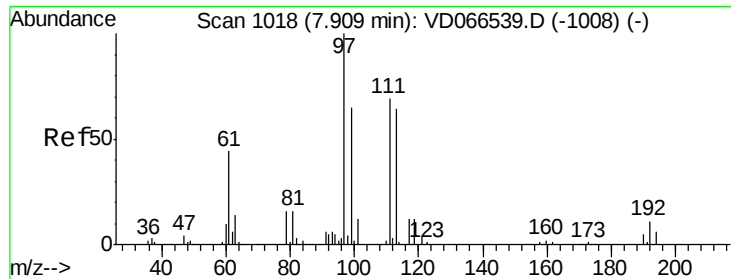
MMDadoda
 9/4/2020 4:54:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	587625		
63	20.6	0.0	43.2	
88	16.2	0.0	33.2	





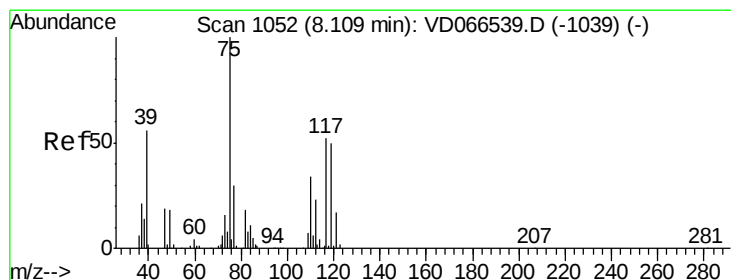
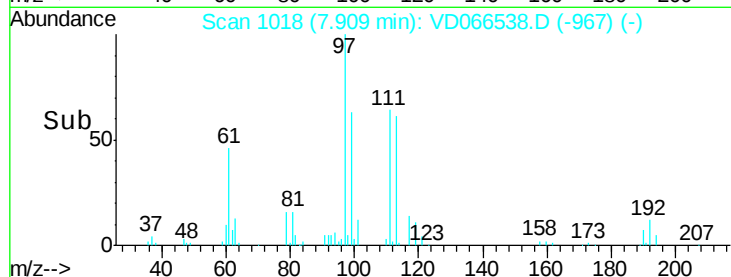
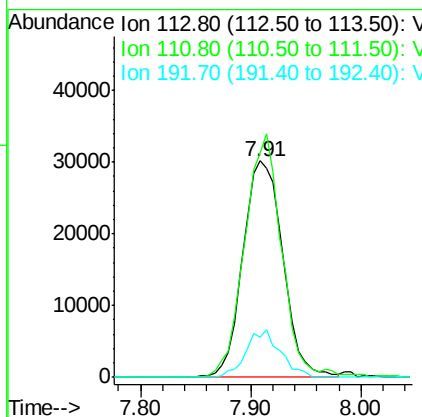
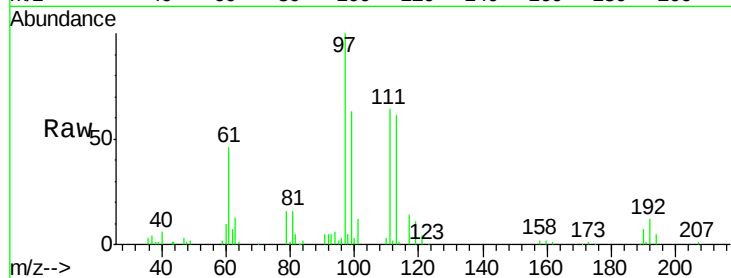
#35
Dibromofluoromethane
Concen: 21.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	77046		
111	102.5	83.2	124.8	
192	18.7	13.7	20.5	

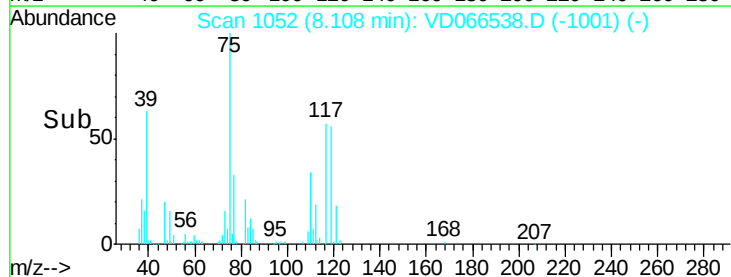
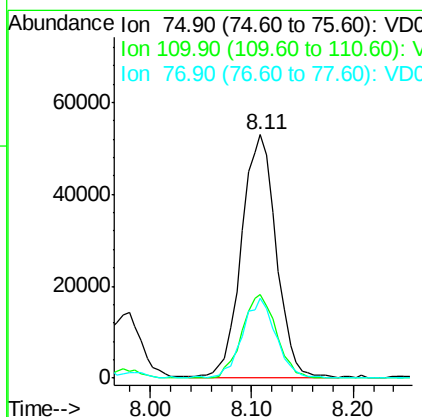
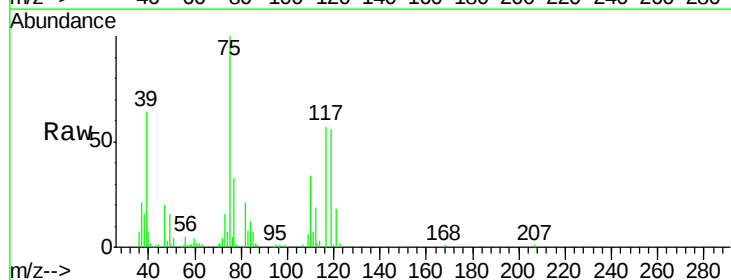
Manual Integrations
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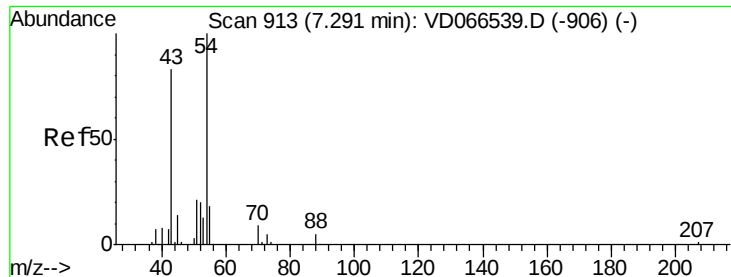
MMDadoda
9/4/2020 4:54:54 PM



#36
1,1-Dichloropropene
Concen: 23.943 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126132		
110	33.9	17.3	52.0	
77	31.9	25.1	37.7	





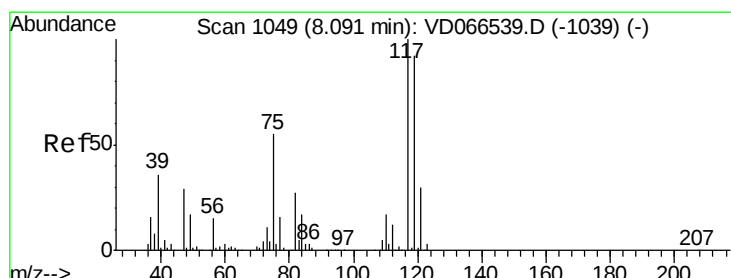
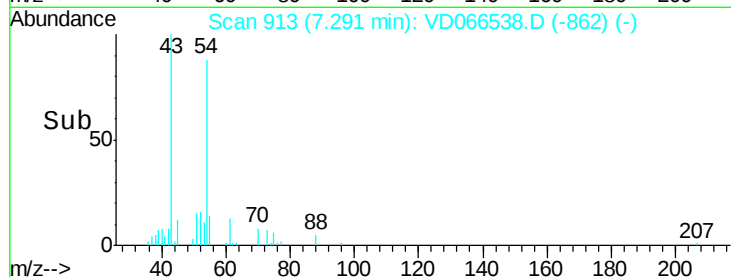
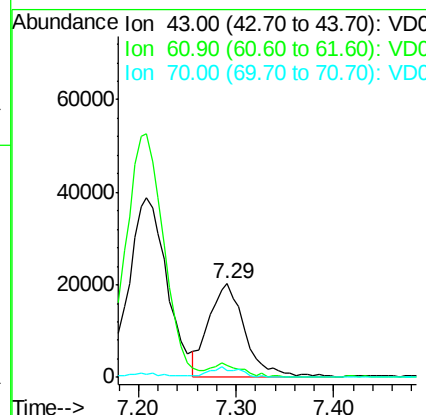
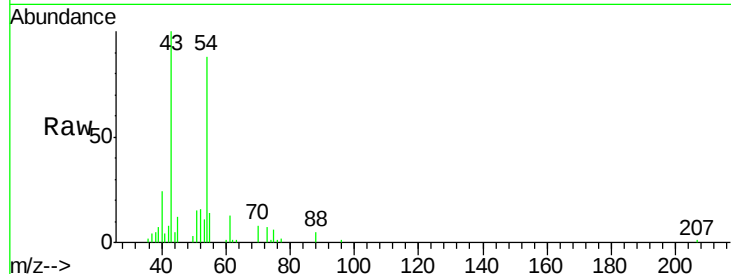
#37
Ethyl Acetate
Concen: 30.496 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.8	17.8
70	9.1	7.9	11.9

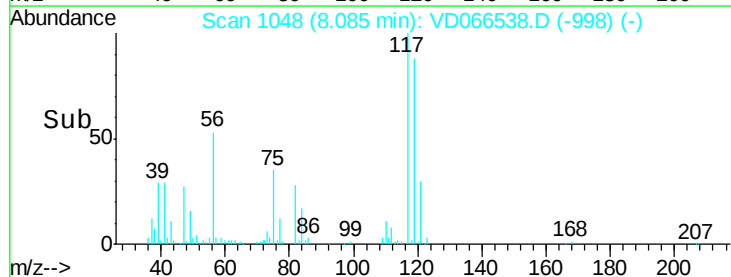
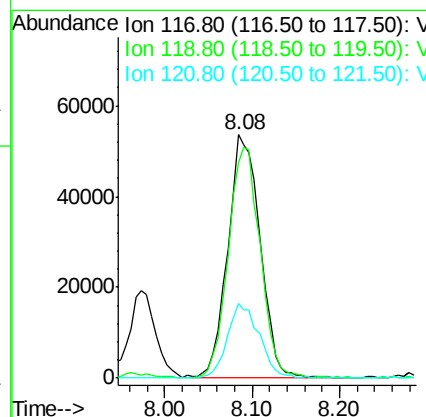
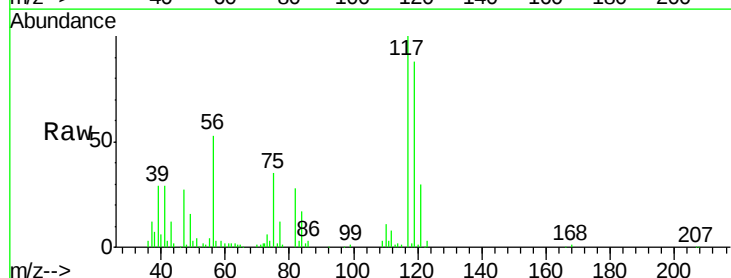
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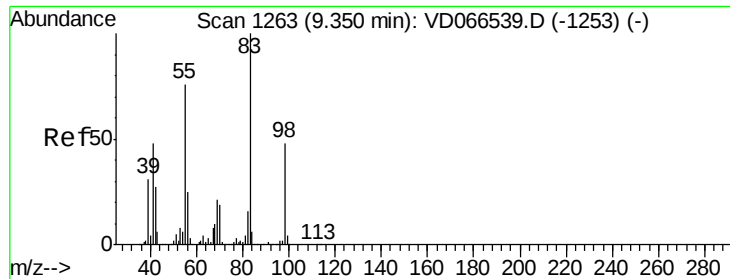
MMDadoda
9/4/2020 4:54:54 PM



#38
Carbon Tetrachloride
Concen: 17.975 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	73.9	110.9
121	30.4	24.1	36.1





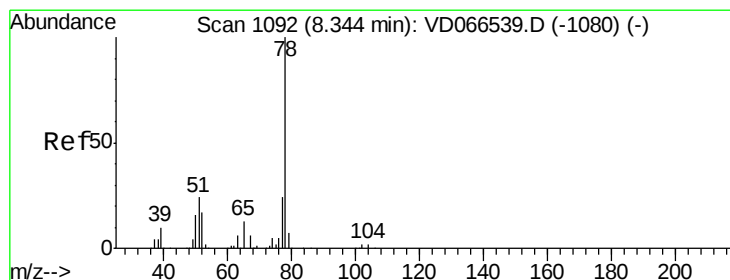
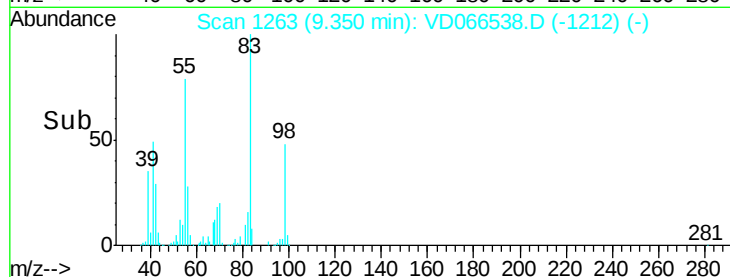
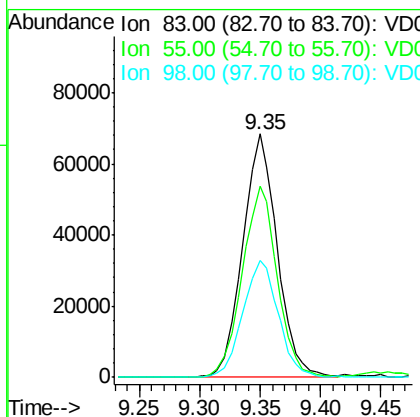
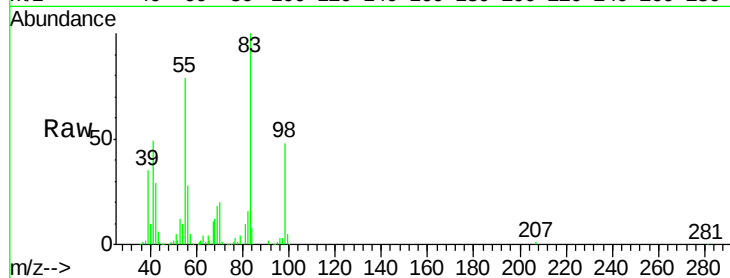
#39
Methvlcvclohexane
Concen: 22.079 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.8	91.2
98	48.2	38.6	58.0

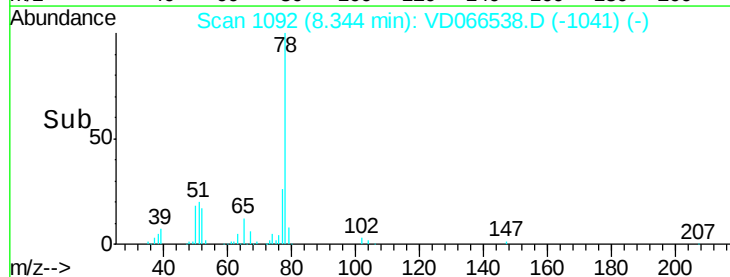
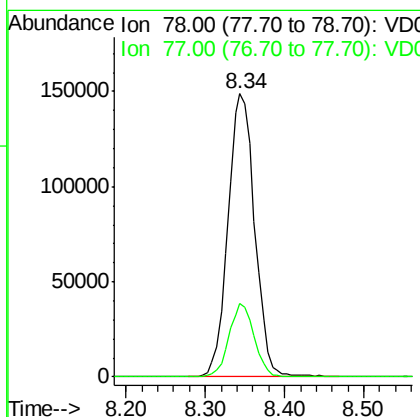
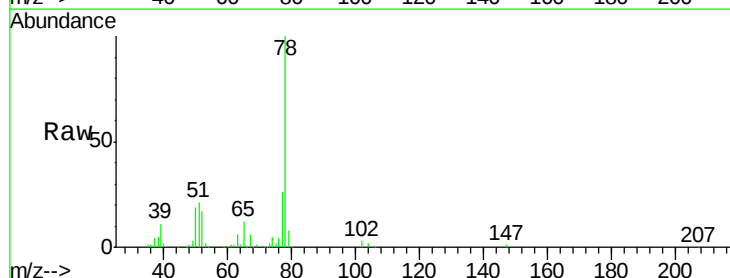
Manual Integrations
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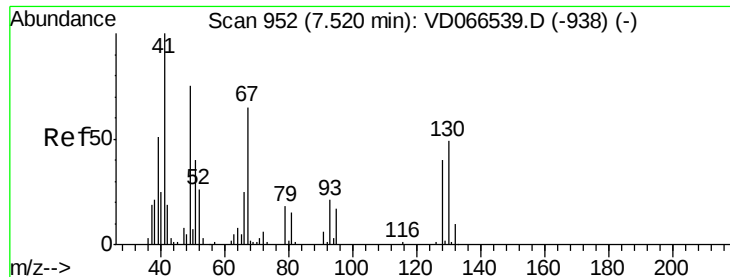
MMDadoda
9/4/2020 4:54:54 PM



#40
Benzene
Concen: 25.274 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.1	28.7





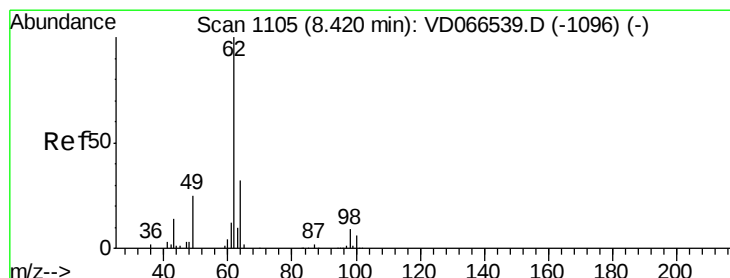
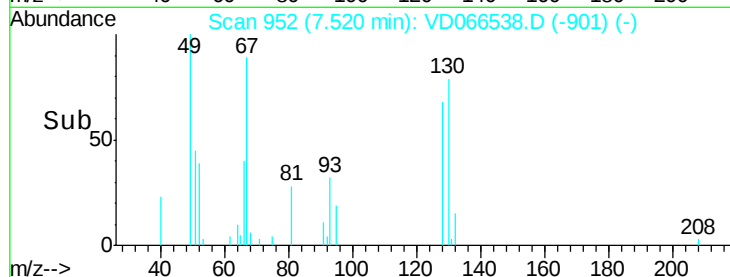
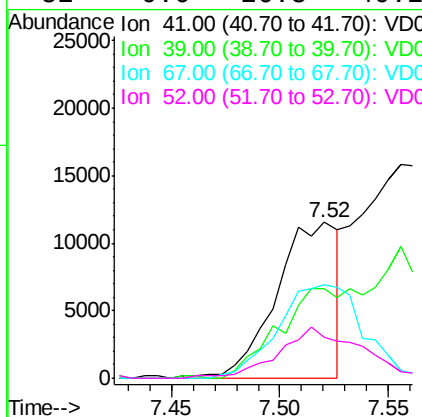
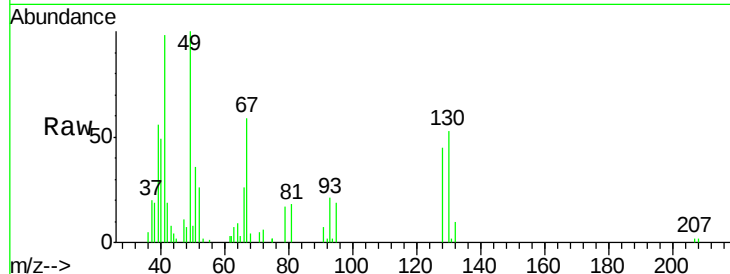
#41
Methacrylonitrile
Concen: 25.534 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.0	53.6	80.4#
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

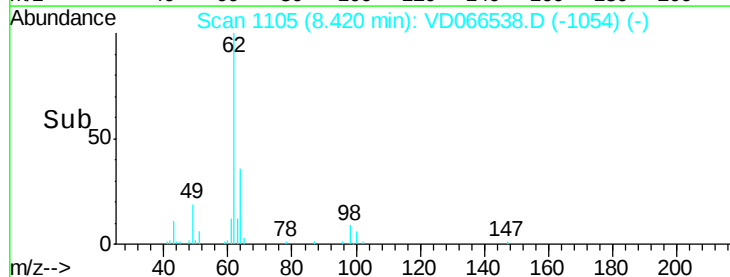
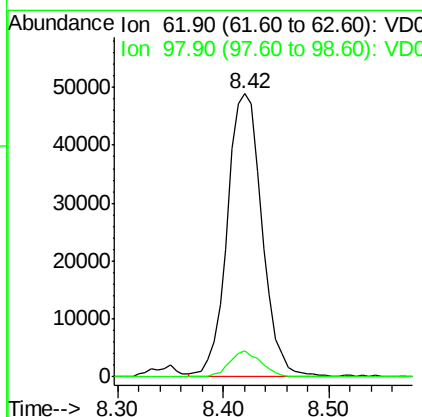
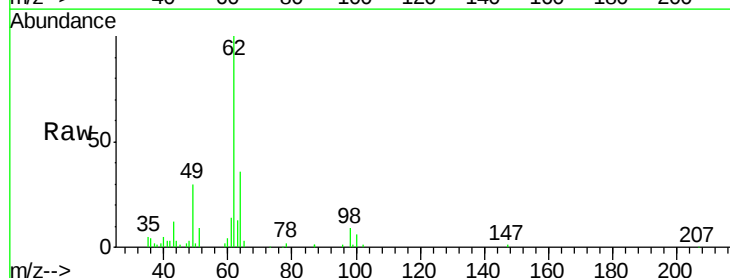
Manual Integrations
APPROVED

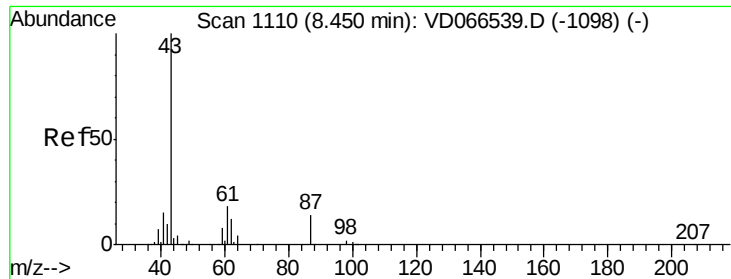
MMDadoda
9/4/2020 4:54:54 PM



#42
1,2-Dichloroethane
Concen: 20.098 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 26.692 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

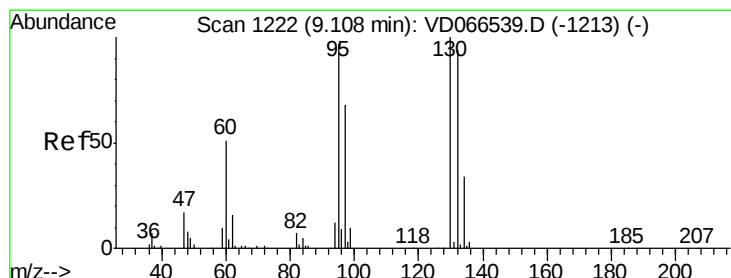
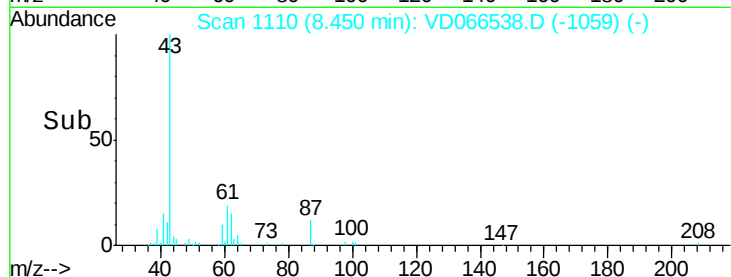
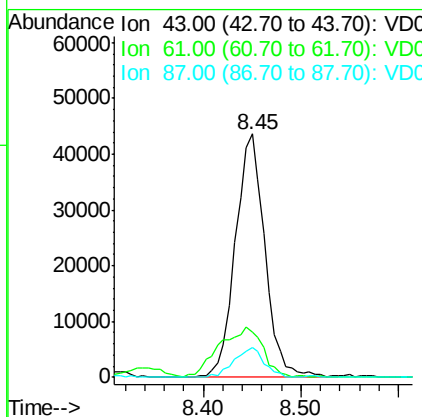
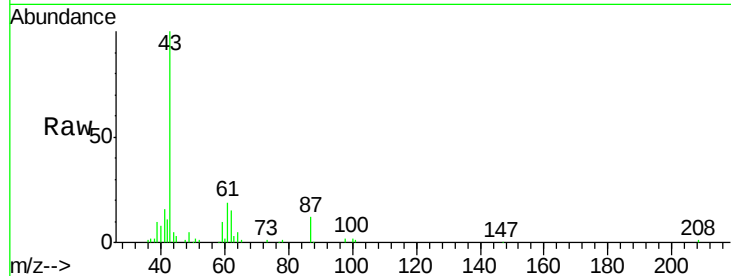
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	92193
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.8	35.8
87	12.5	10.7	16.1

Manual Integrations
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MMDadoda
9/4/2020 4:54:54 PM



#44

Trichloroethene

Concen: 19.685 ug/l

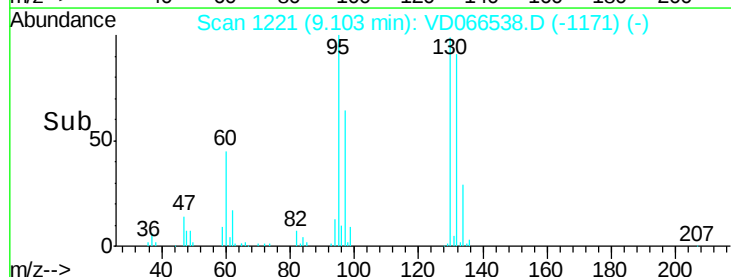
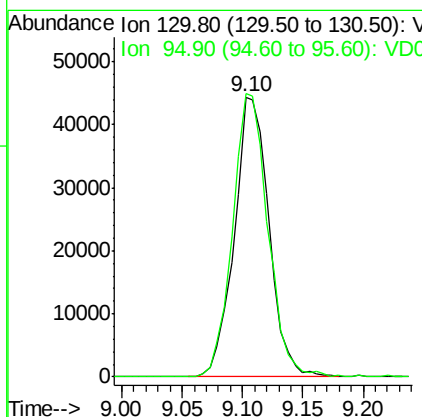
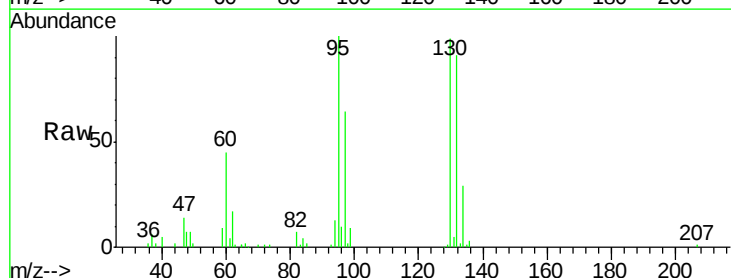
RT: 9.10 min Scan# 1221

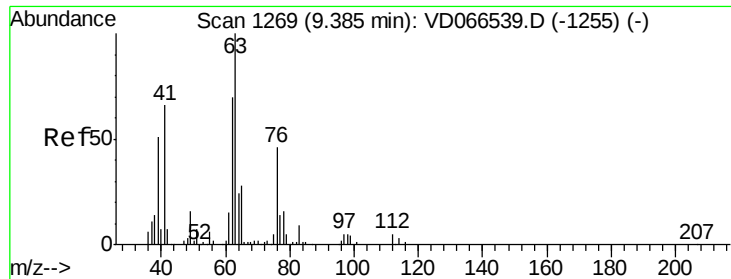
Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion:	130	Resp:	88757
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	194.4





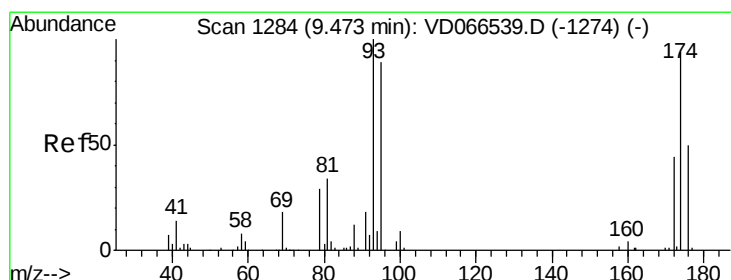
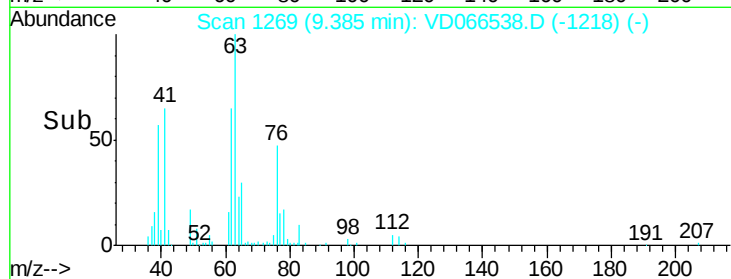
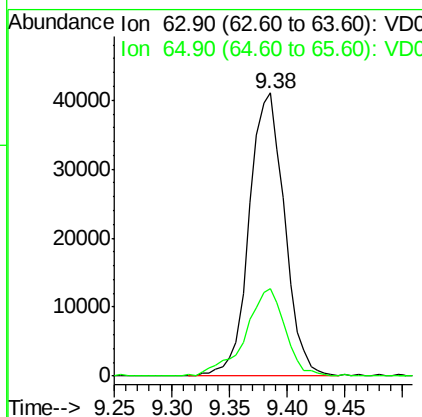
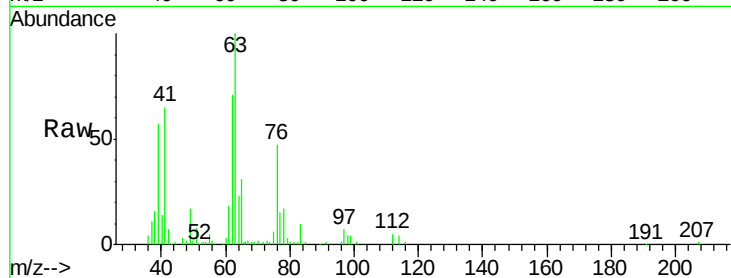
#45
 1,2-Dichloropropane
 Concen: 30.562 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 87677
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.6 34.0

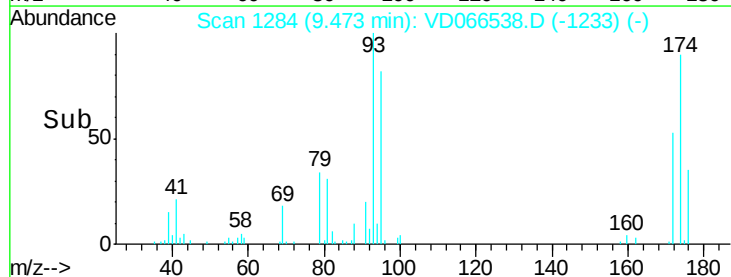
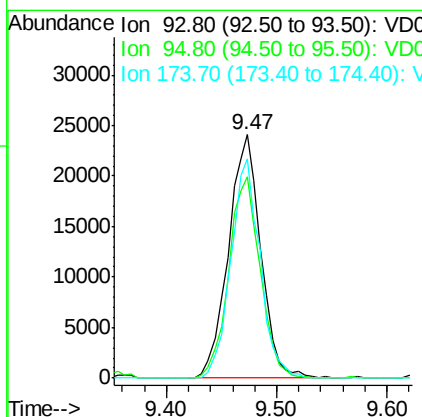
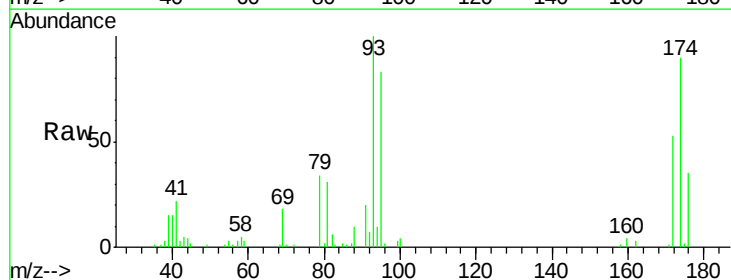
Manual Integrations
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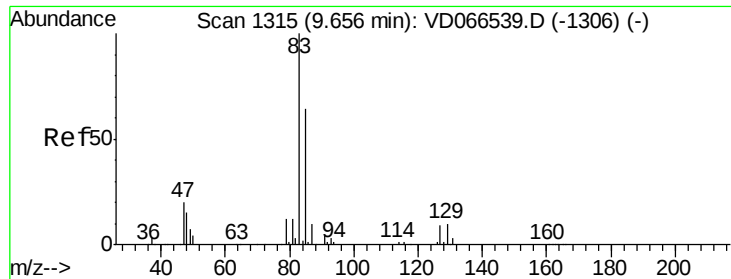
MMDadoda
 9/4/2020 4:54:54 PM



#46
 Dibromomethane
 Concen: 25.002 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 93 Resp: 49261
 Ion Ratio Lower Upper
 93 100
 95 80.7 68.7 103.1
 174 81.9 70.0 105.0





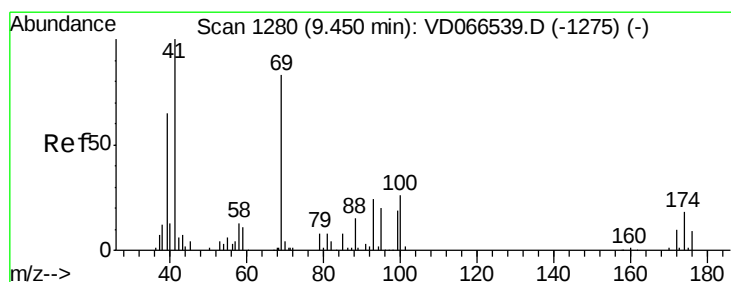
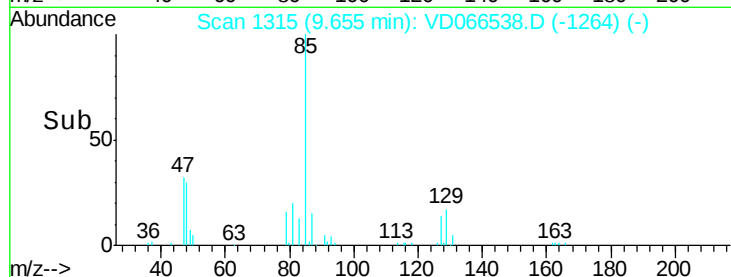
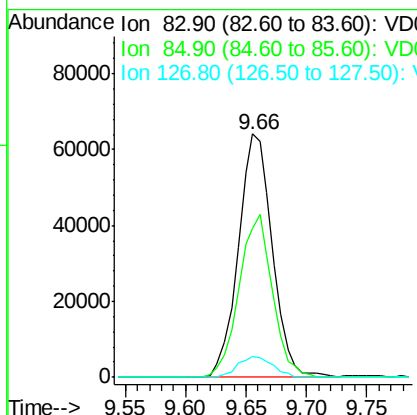
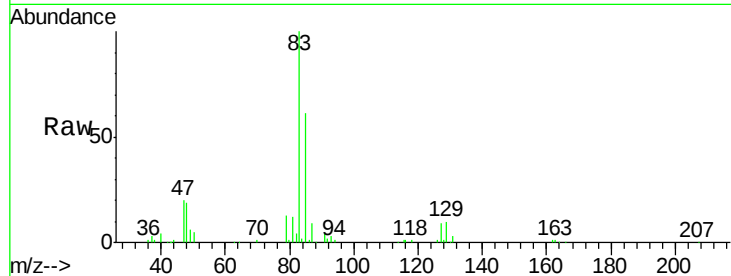
#47
Bromodichloromethane
Concen: 21.813 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125799		
85	61.4		51.1	76.7
127	8.5		6.9	10.3

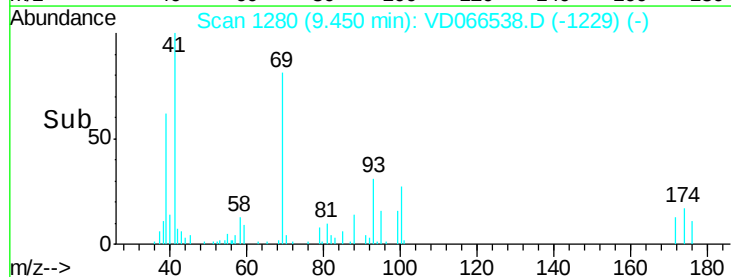
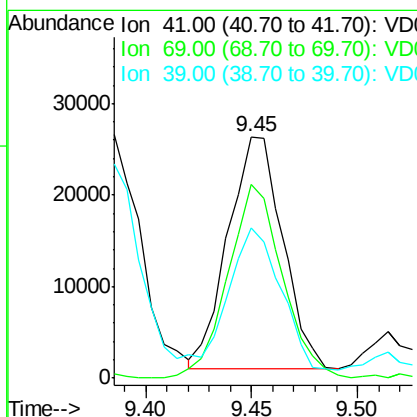
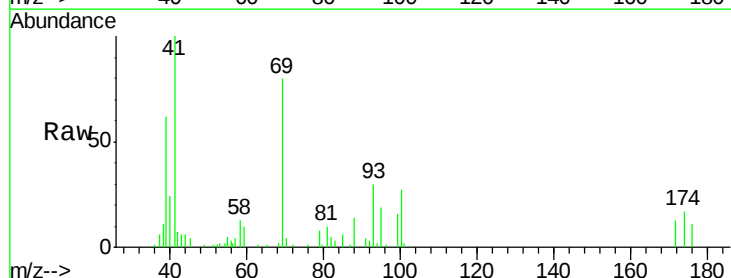
Manual Integrations
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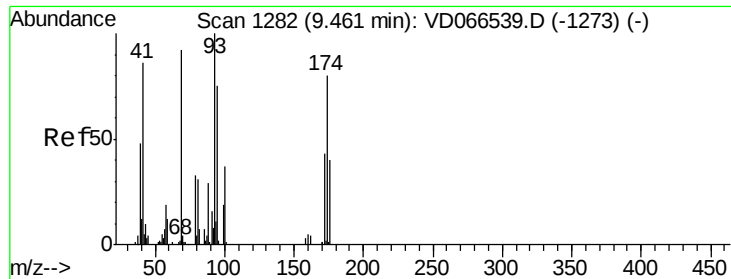
MMDadoda
9/4/2020 4:54:54 PM



#48
Methyl methacrylate
Concen: 25.649 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45208		
69	83.6		64.5	96.7
39	57.2		46.6	69.8





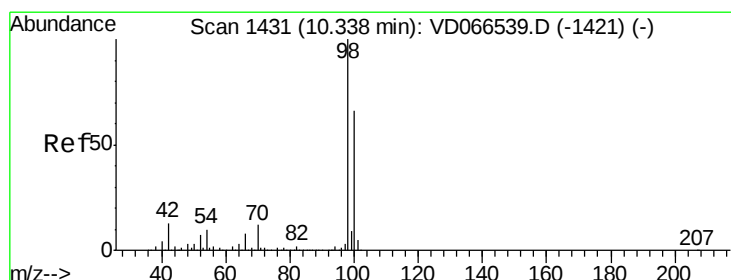
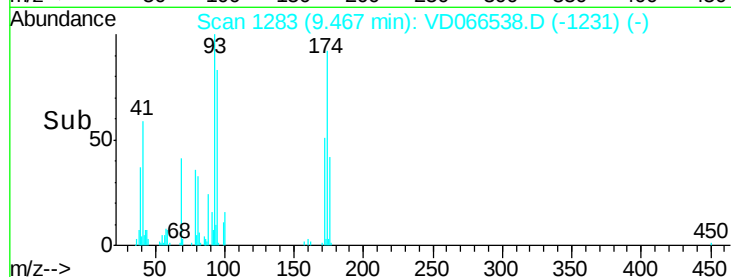
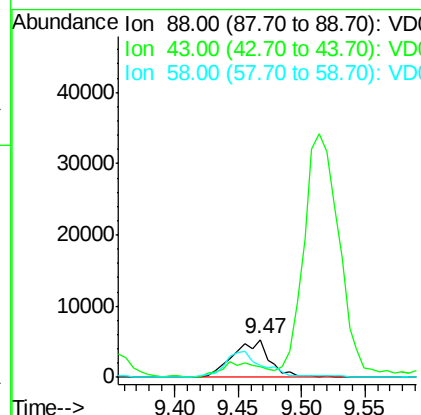
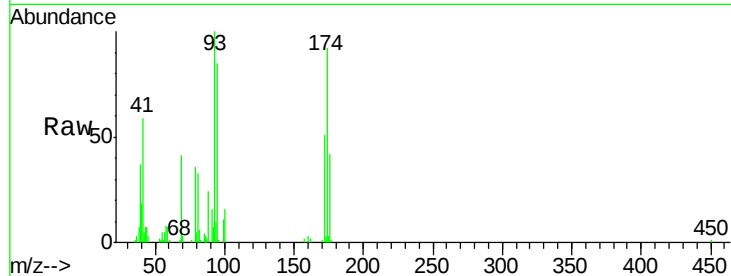
#49
1,4-Dioxane
Concen: 462.710 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.3	42.5#
58	69.7	56.1	84.1

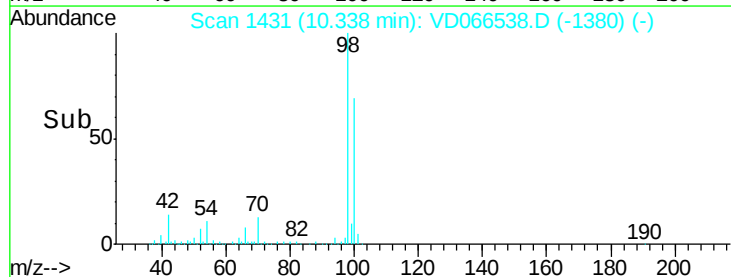
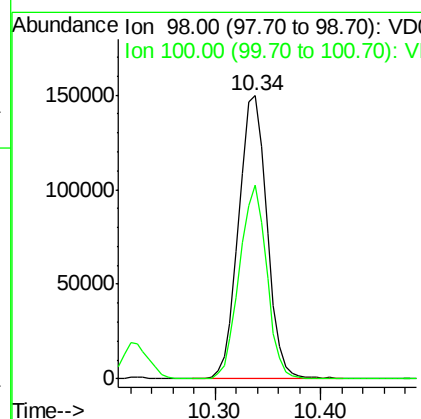
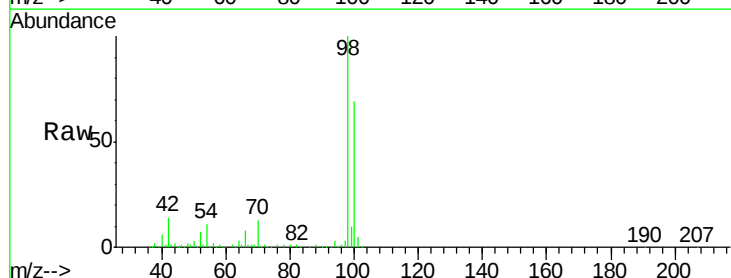
Manual Integrations
APPROVED

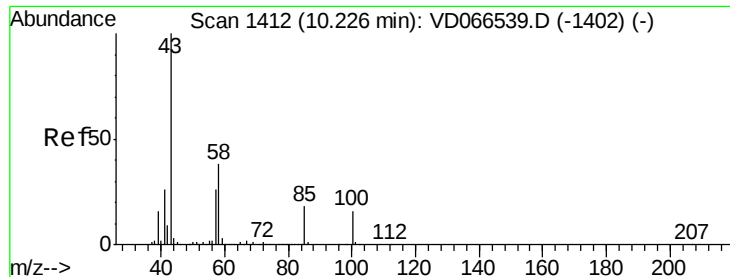
MMDadoda
9/4/2020 4:54:54 PM



#50
Toluene-d8
Concen: 21.237 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 144.994 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 234911

Ion Ratio Lower Upper

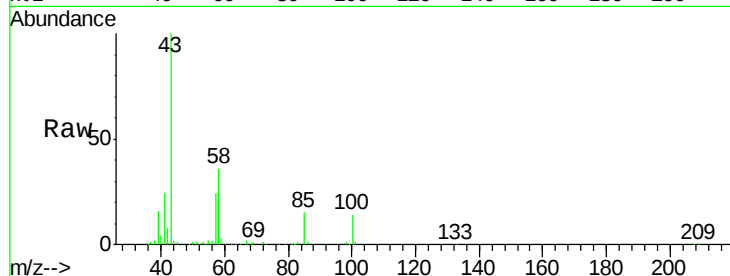
43 100

58 36.5 30.5 45.7

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:54:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

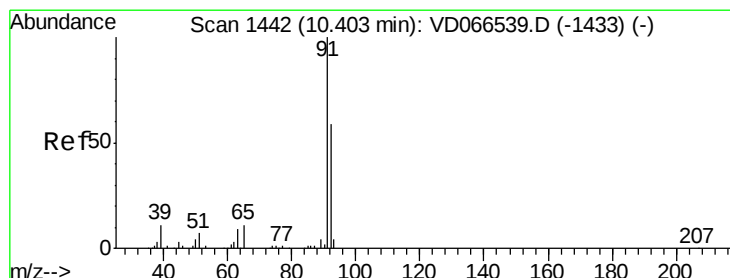
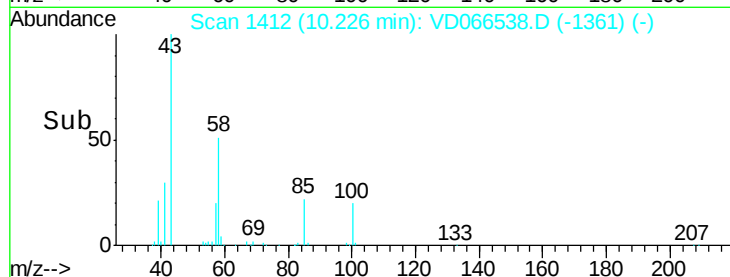
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 22.923 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066538.D

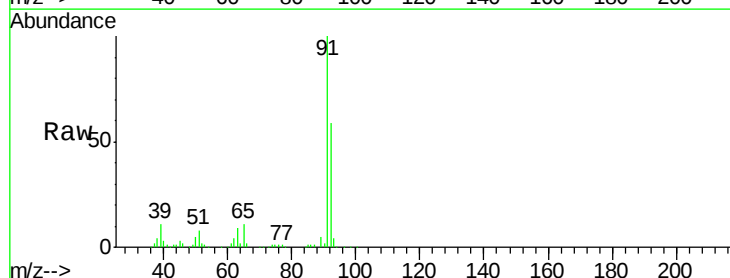
Acq: 03 Sep 2020 15:29

Tgt Ion: 92 Resp: 219255

Ion Ratio Lower Upper

92 100

91 171.2 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

200000

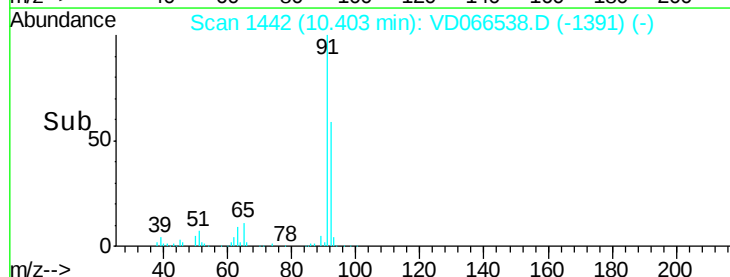
150000

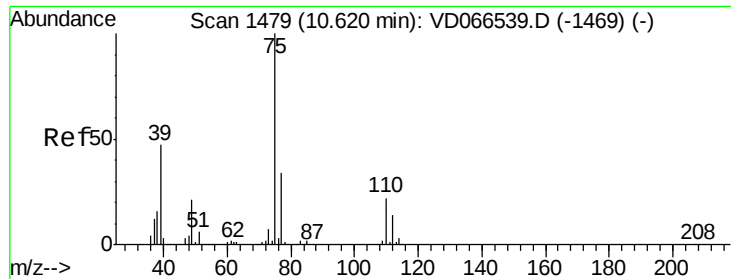
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 21.512 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 112633

Ion Ratio Lower Upper

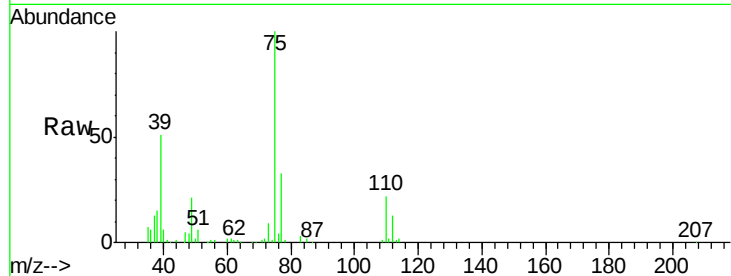
75 100

77 33.5 27.4 41.2

Manual Integrations
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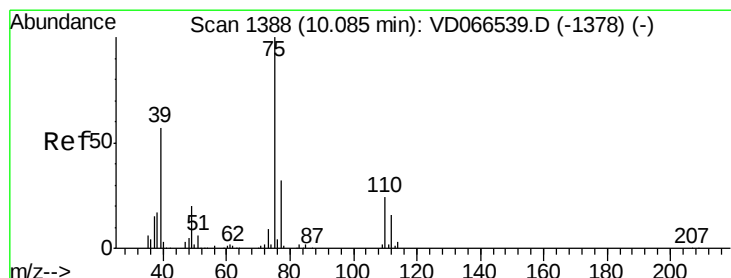
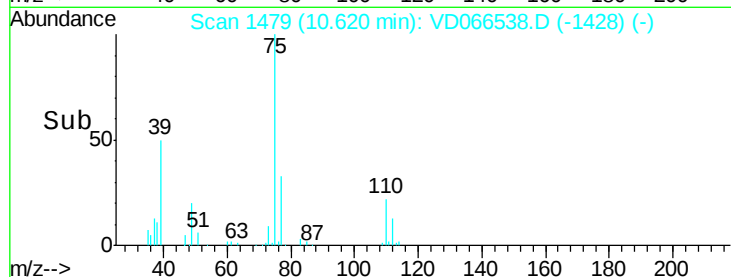
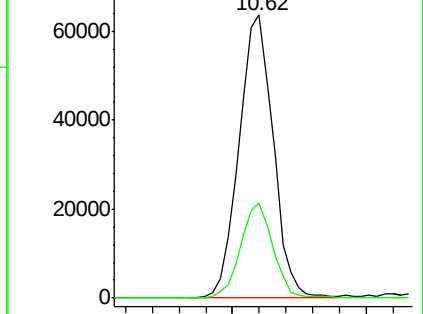
MMDadoda

9/4/2020 4:54:54 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.821 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

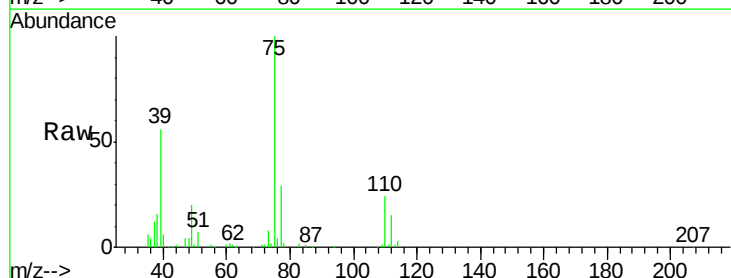
Tgt Ion: 75 Resp: 134629

Ion Ratio Lower Upper

75 100

77 28.9 25.4 38.0

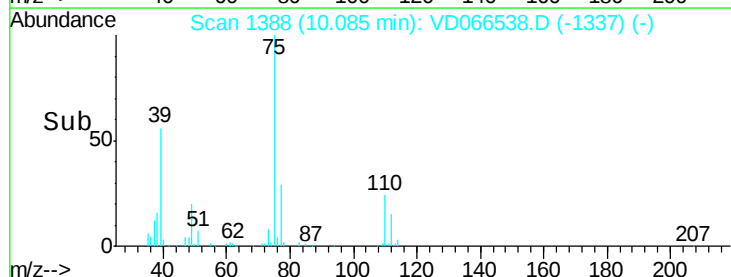
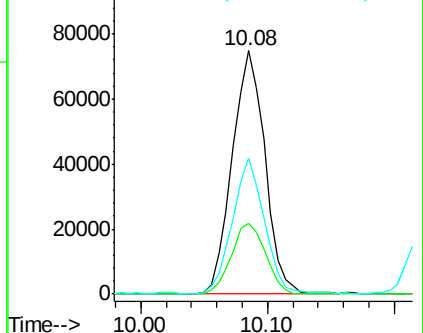
39 55.9 45.4 68.0

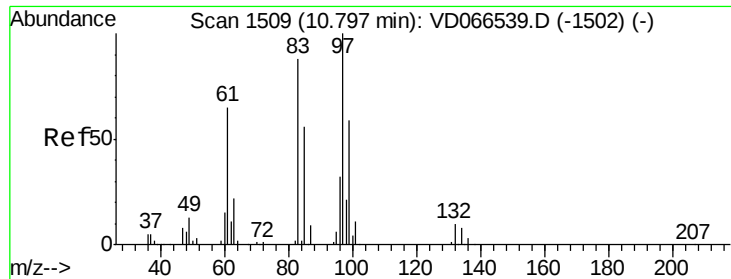


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





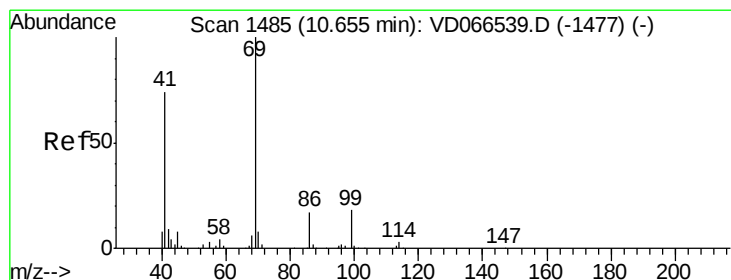
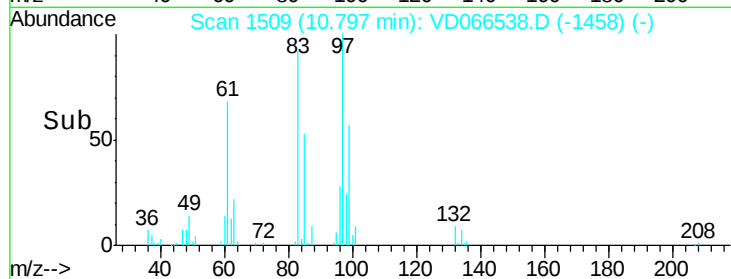
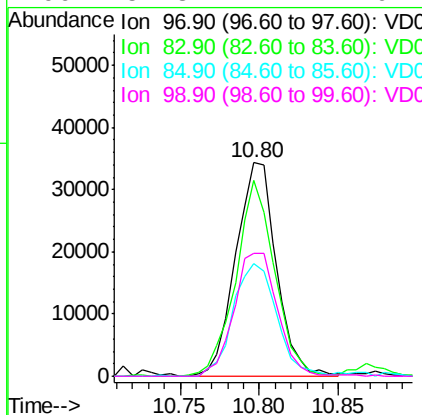
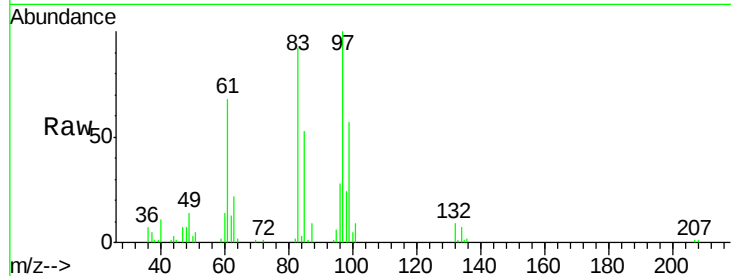
#55
 1,1,2-Trichloroethane
 Concen: 24.496 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	61100
Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.1	105.1
85	52.6	44.5	66.7
99	57.3	47.1	70.7

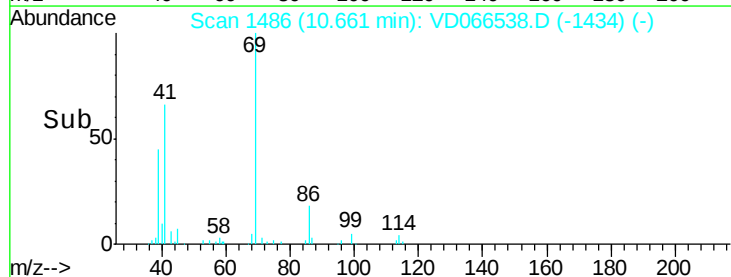
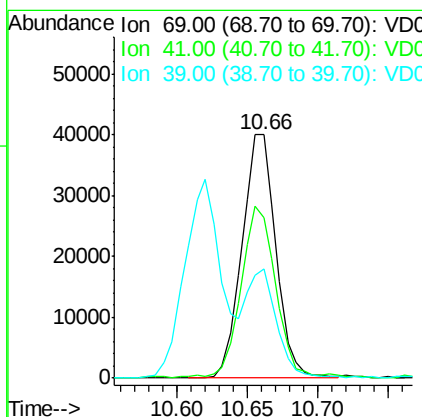
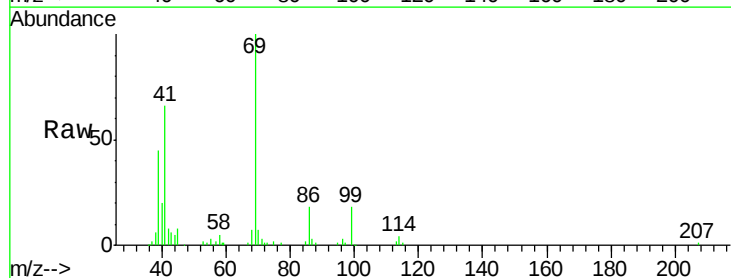
Manual Integrations
 APPROVED

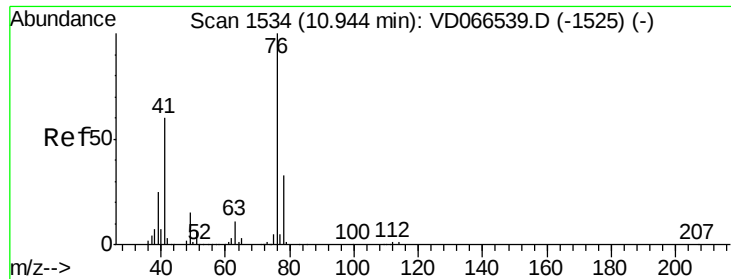
MMDadoda
 9/4/2020 4:54:54 PM



#56
 Ethyl methacrylate
 Concen: 22.719 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion:	69	Resp:	67599
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.8	85.2
39	39.8	30.6	46.0





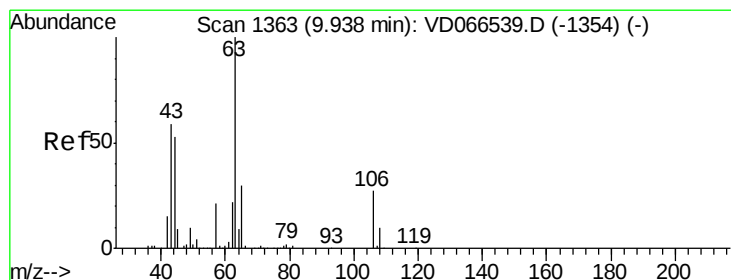
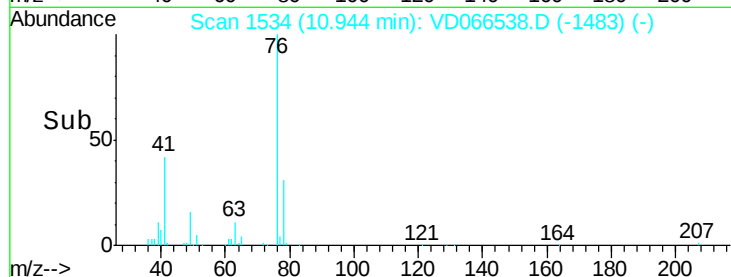
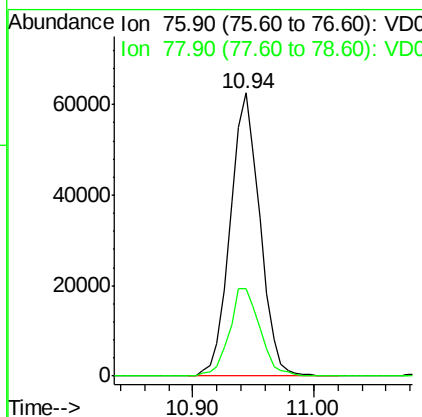
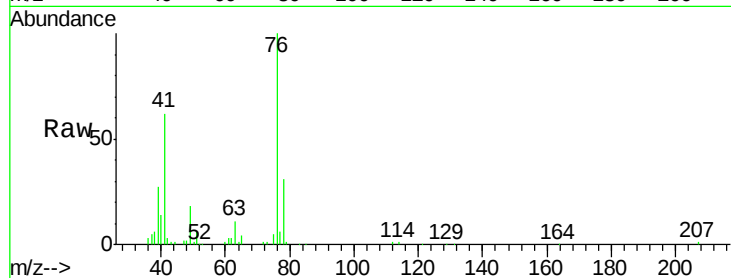
#57
 1,3-Dichloropropane
 Concen: 25.558 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

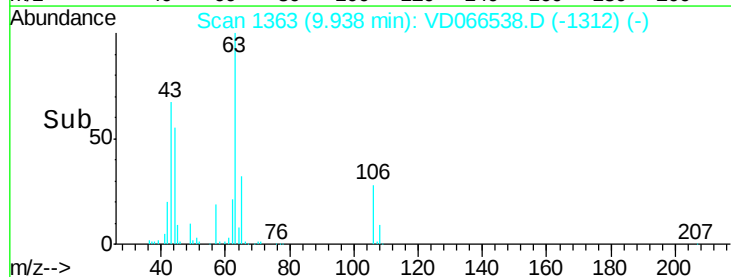
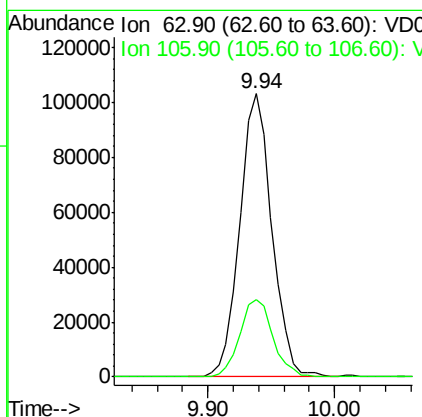
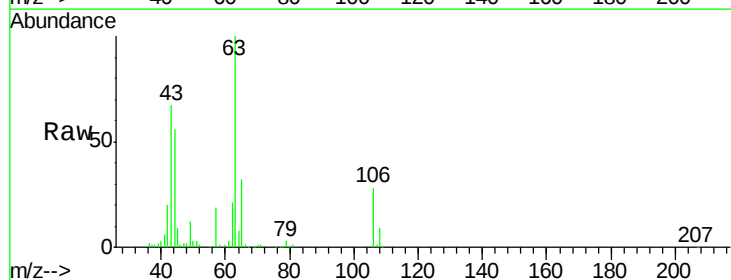
Manual Integrations
 APPROVED

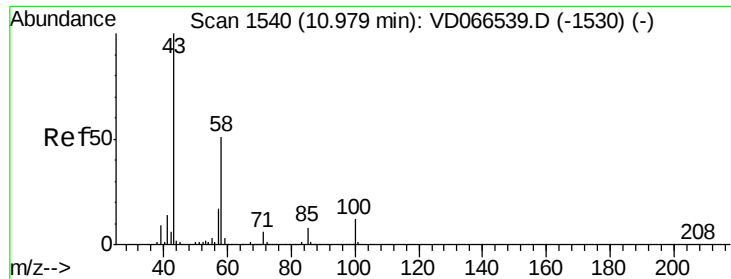
MMDadoda
 9/4/2020 4:54:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 151.175 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.0	33.0





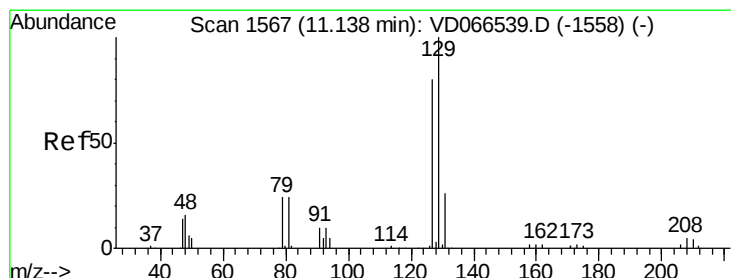
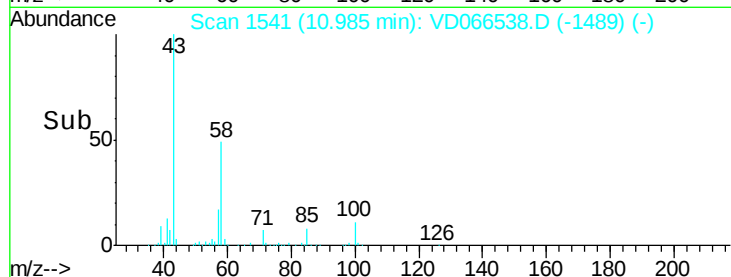
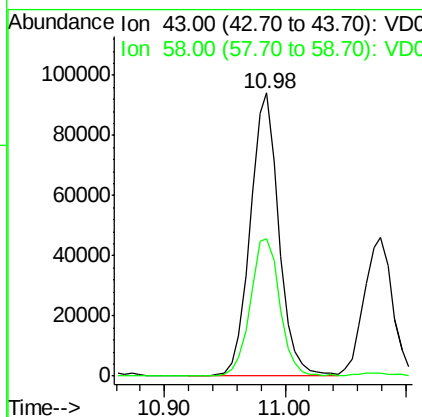
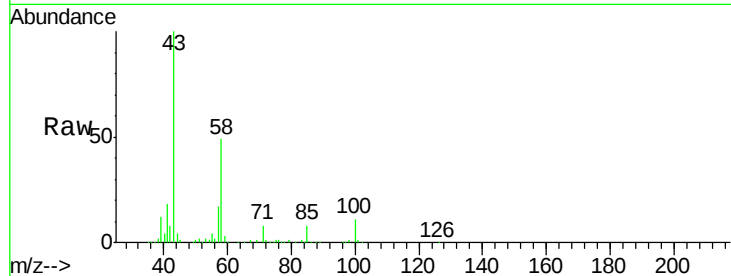
#59
2-Hexanone
Concen: 134.155 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 155926
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8

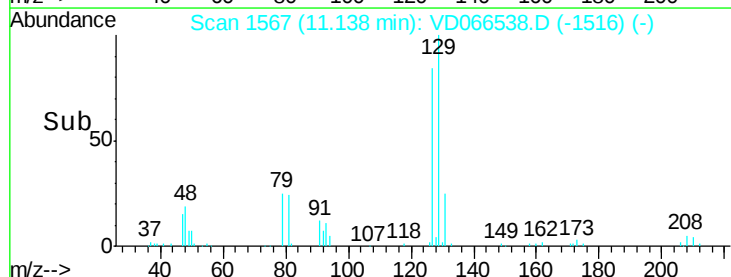
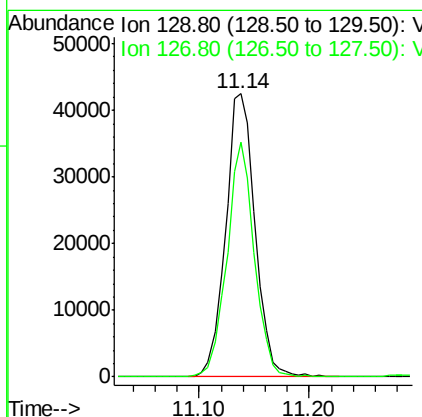
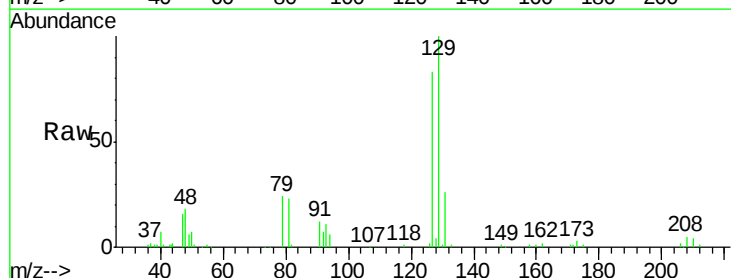
Manual Integrations
APPROVED

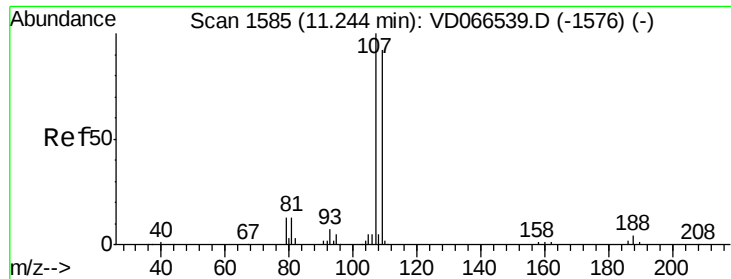
MMDadoda
9/4/2020 4:54:54 PM



#60
Dibromochloromethane
Concen: 19.933 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 129 Resp: 79233
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.3





#61

1,2-Dibromoethane

Concen: 22.821 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 58111

Ion Ratio Lower Upper

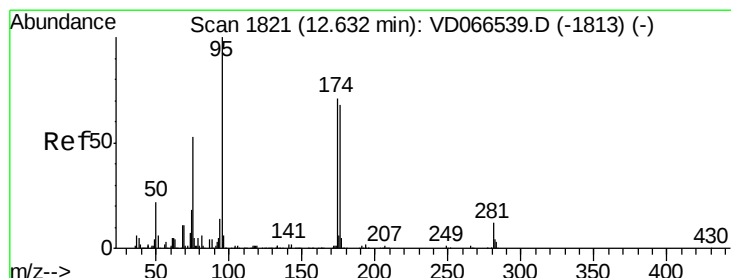
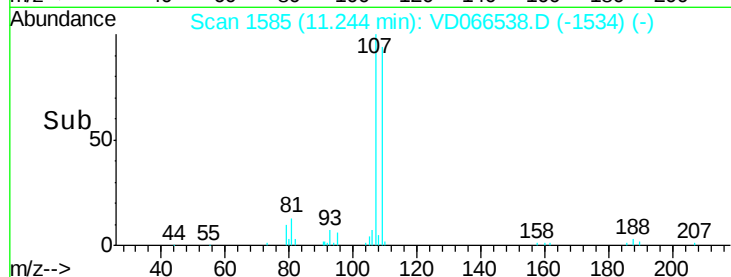
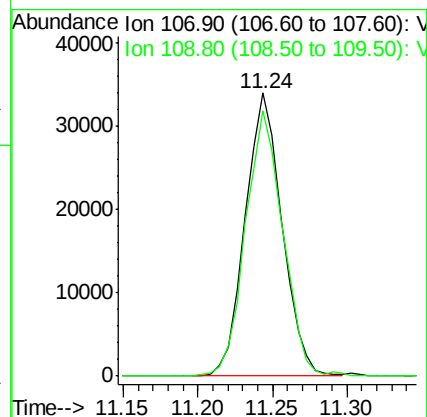
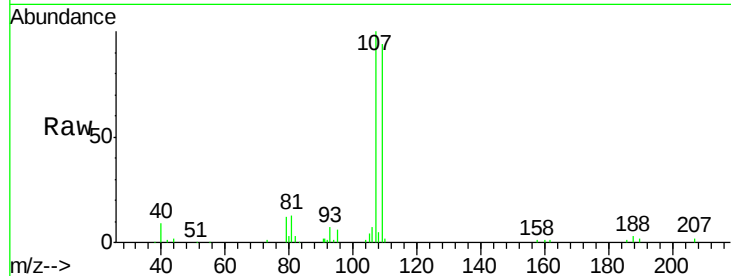
107 100

109 95.1 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:54:54 PM



#62

4-Bromofluorobenzene

Concen: 19.928 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

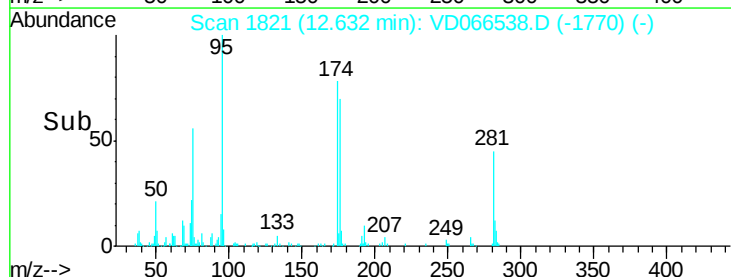
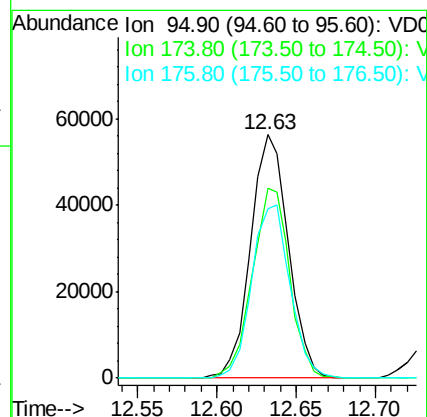
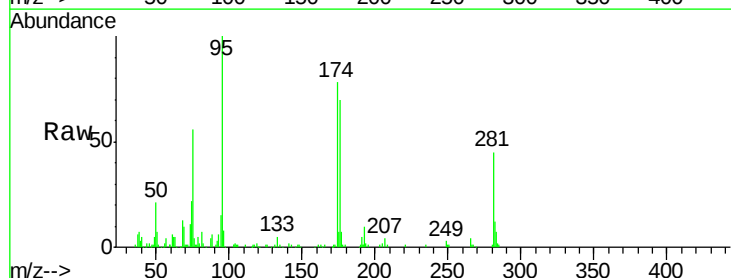
Tgt Ion: 95 Resp: 93060

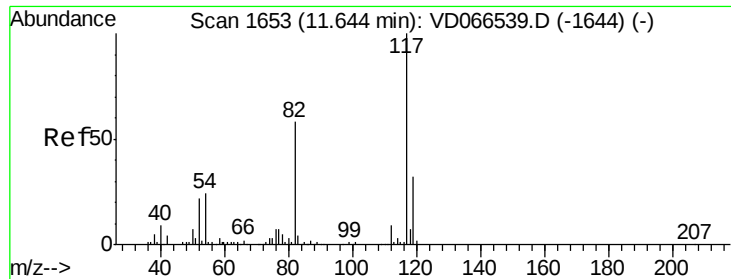
Ion Ratio Lower Upper

95 100

174 77.3 0.0 155.8

176 72.5 0.0 148.6





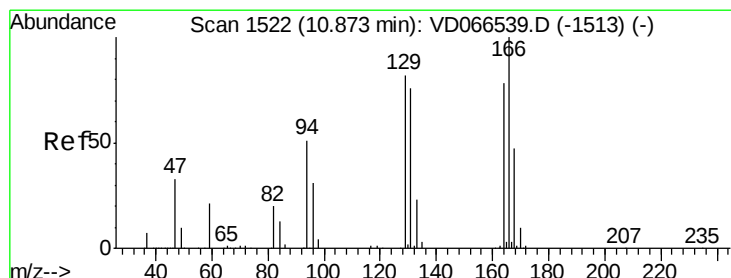
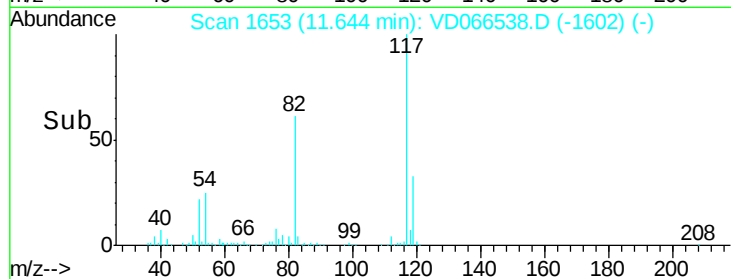
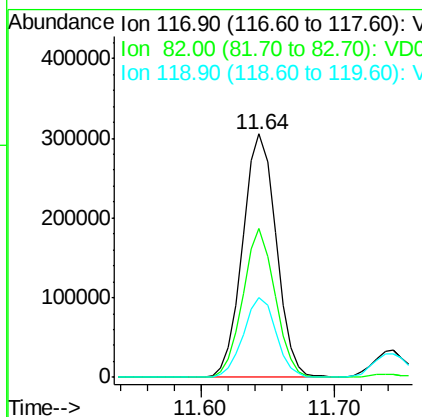
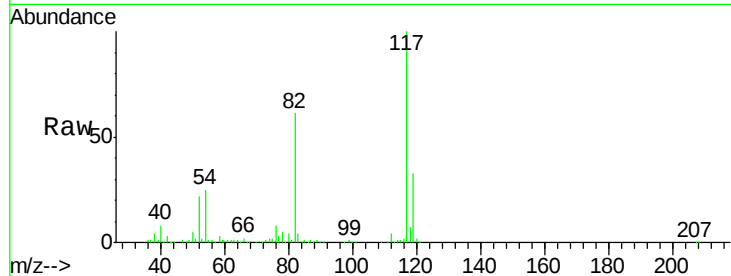
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	531519		
82	61.4	46.2	69.2	
119	32.7	25.8	38.8	

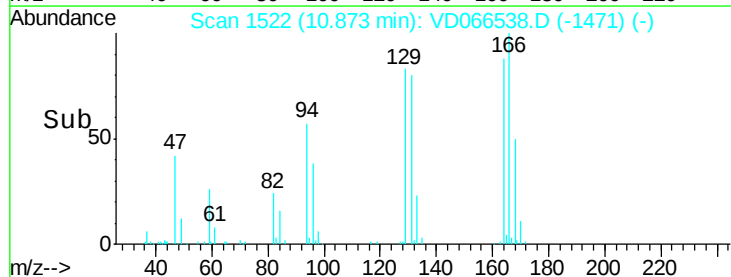
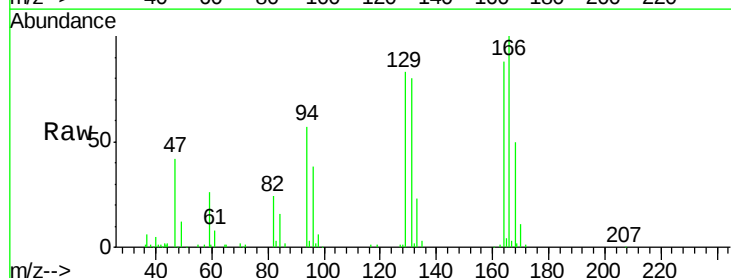
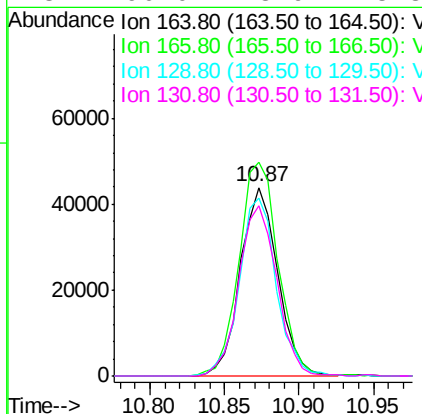
Manual Integrations
APPROVED

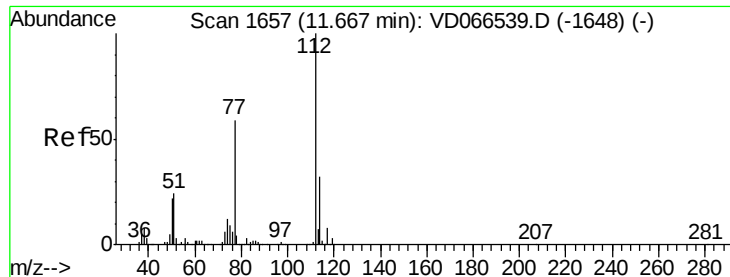
MMDadoda
9/4/2020 4:54:54 PM



#64
Tetrachloroethene
Concen: 18.918 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76121		
166	113.1	103.2	154.8	
129	94.2	84.5	126.7	
131	90.0	78.9	118.3	





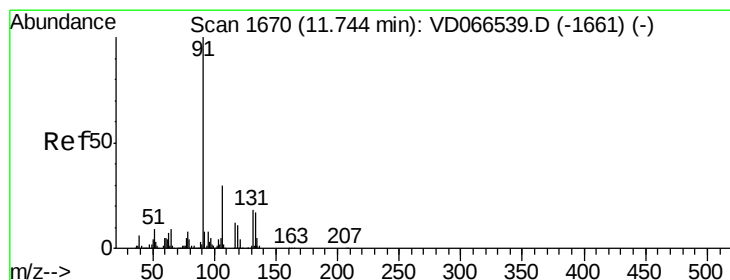
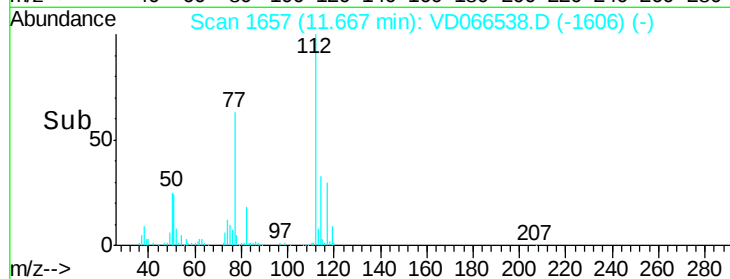
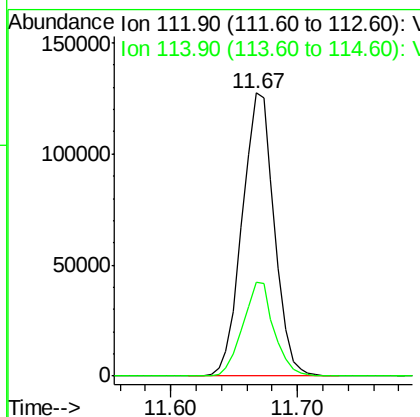
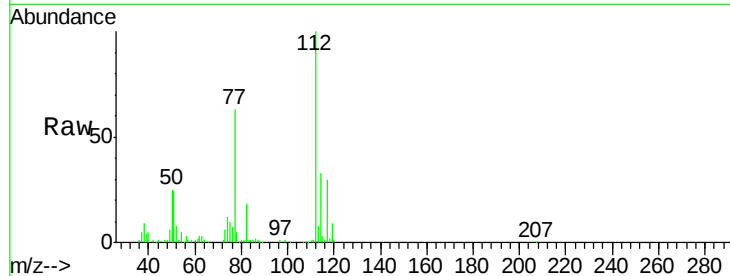
#65
Chlorobenzene
Concen: 21.439 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.7	38.5

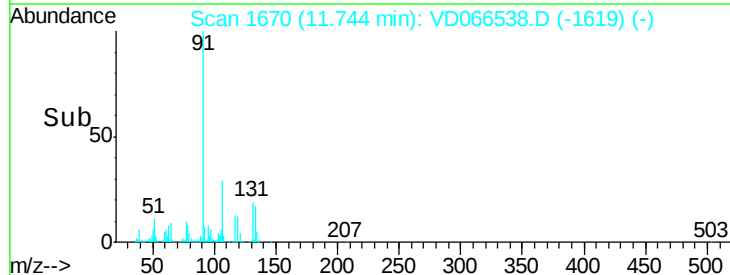
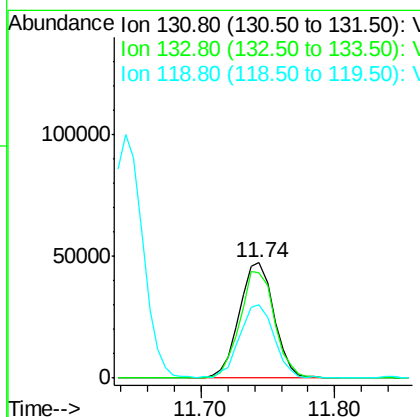
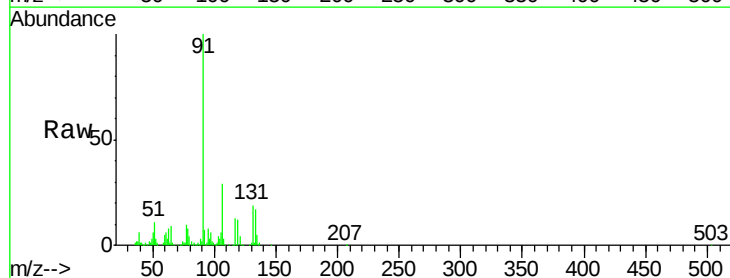
Manual Integrations
APPROVED

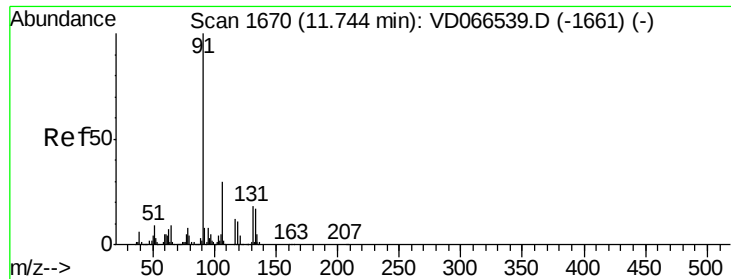
MMDadoda
9/4/2020 4:54:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.662 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	46.7	140.0
119	63.4	31.9	95.7





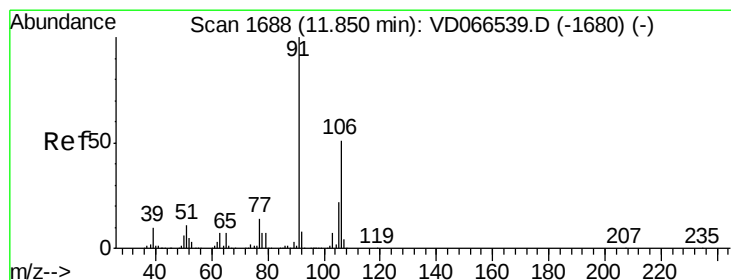
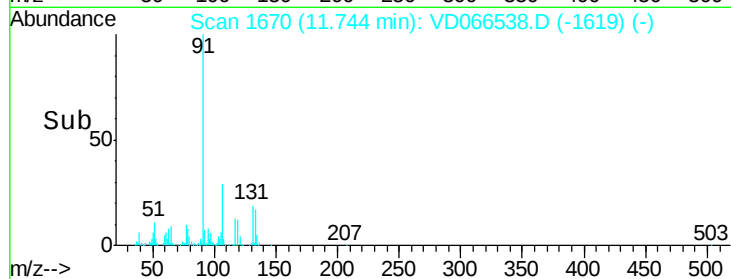
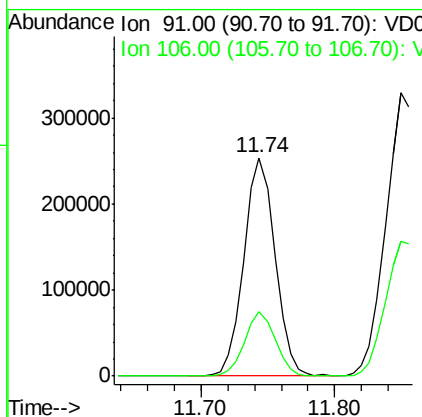
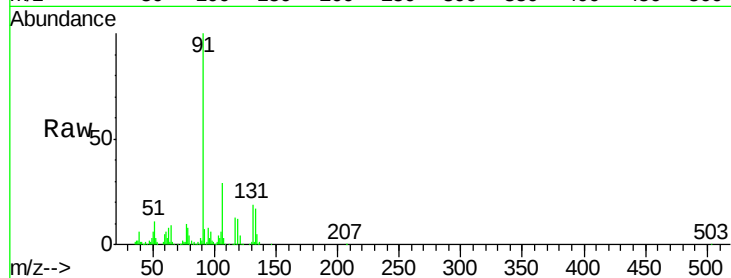
#67
Ethyl Benzene
Concen: 22.059 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.2	24.3	36.5	

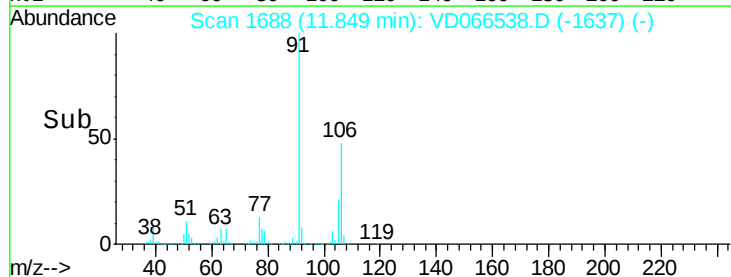
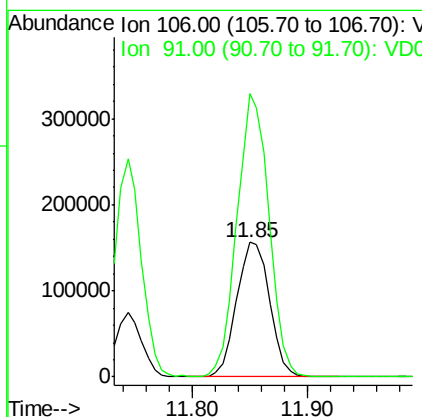
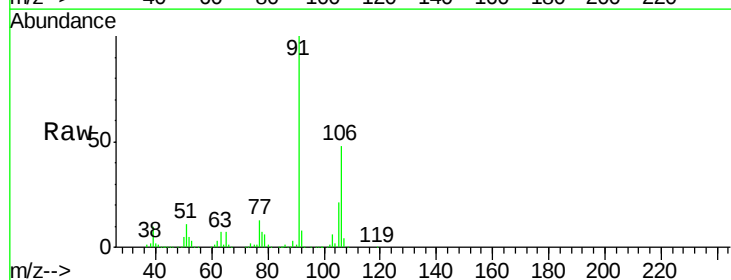
Manual Integrations
APPROVED

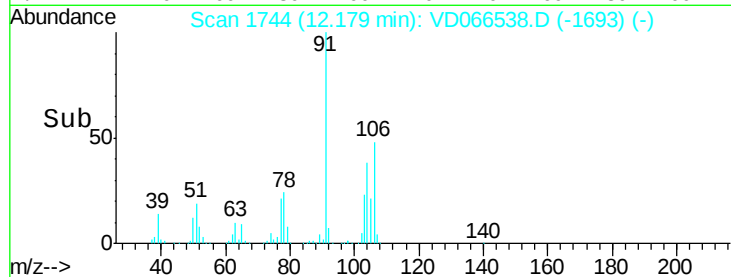
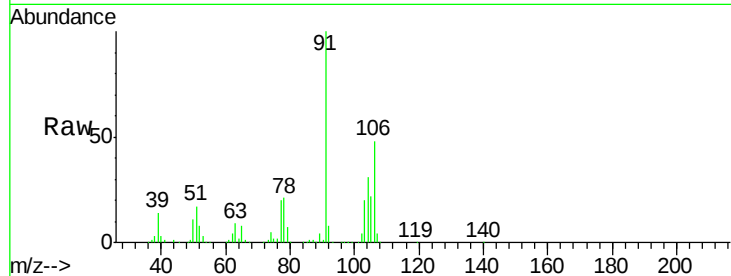
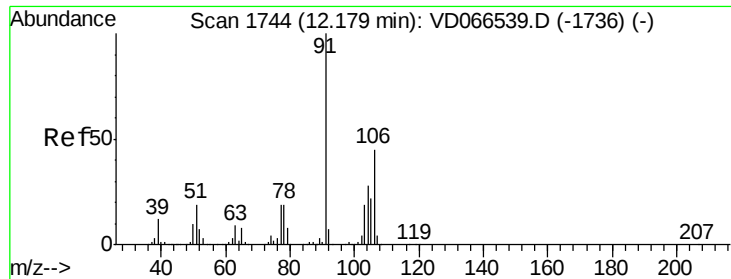
MMDadoda
9/4/2020 4:54:54 PM



#68
m/p-Xylenes
Concen: 43.096 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.8	162.4	243.6	





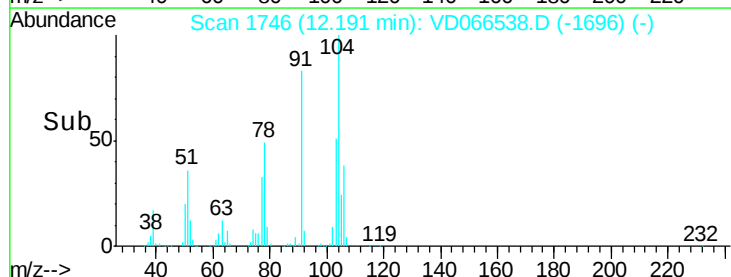
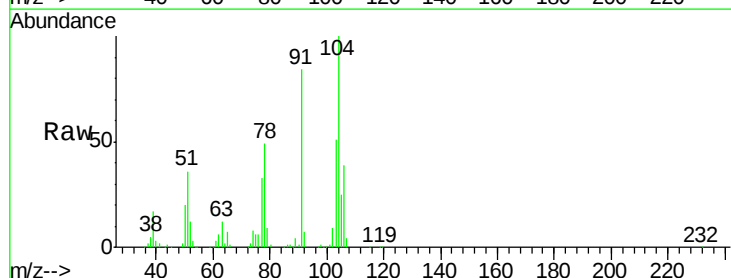
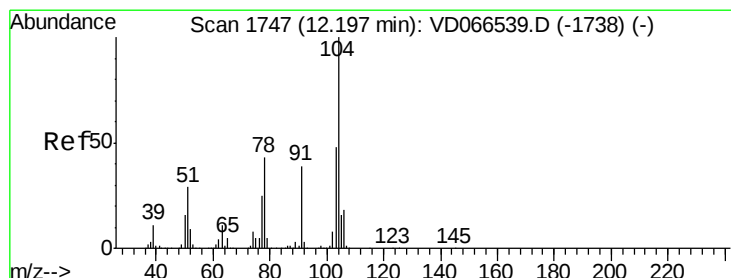
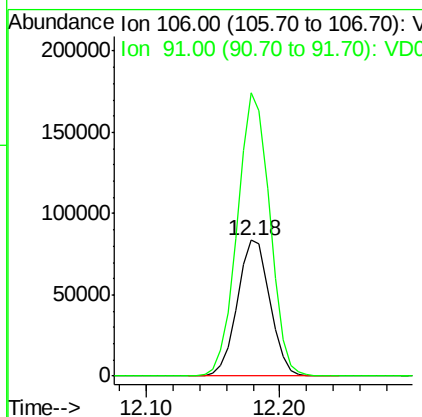
#69
o-Xylene
Concen: 20.889 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tot Ion:106 Resp: 141202
Ion Ratio Lower Upper
106 100
91 207.8 107.9 323.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

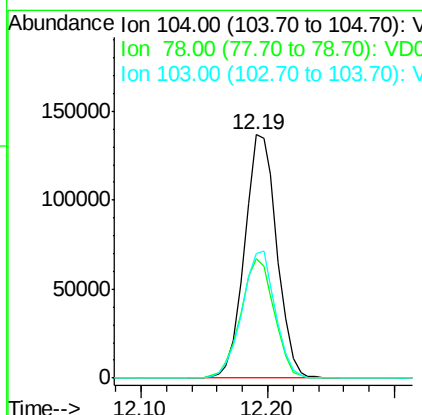
Manual Integrations
APPROVED

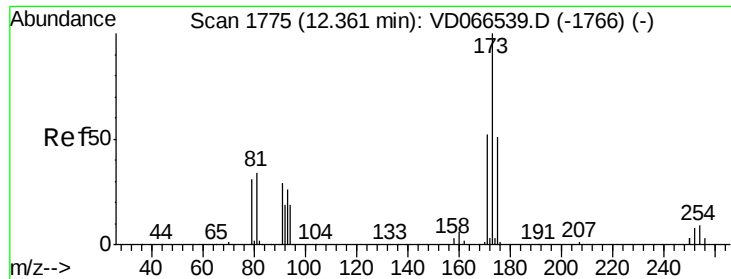
MMDadoda
9/4/2020 4:54:54 PM



#70
Styrene
Concen: 20.824 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion:104 Resp: 241175
Ion Ratio Lower Upper
104 100
78 51.2 40.7 61.1
103 53.8 42.9 64.3





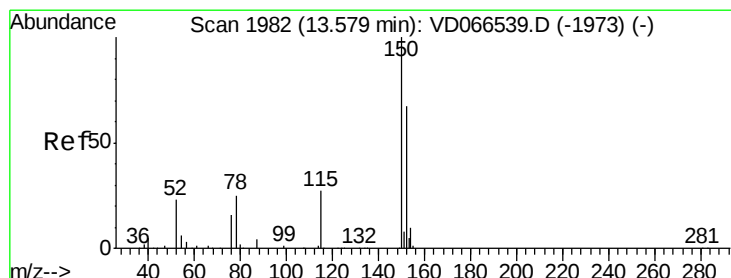
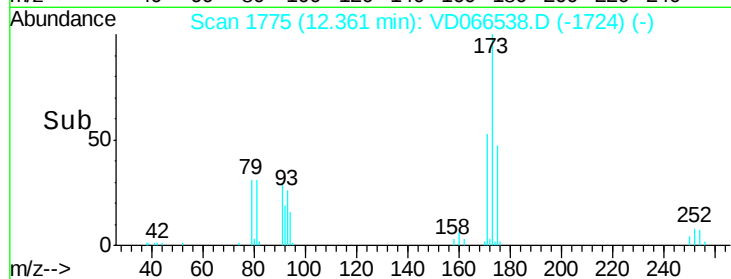
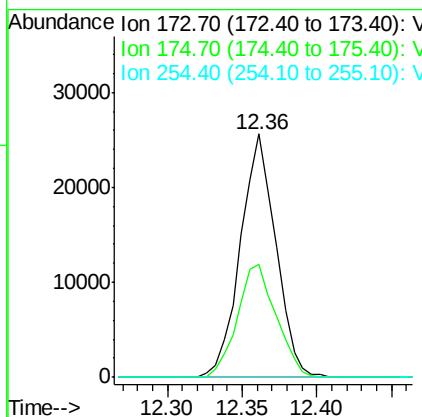
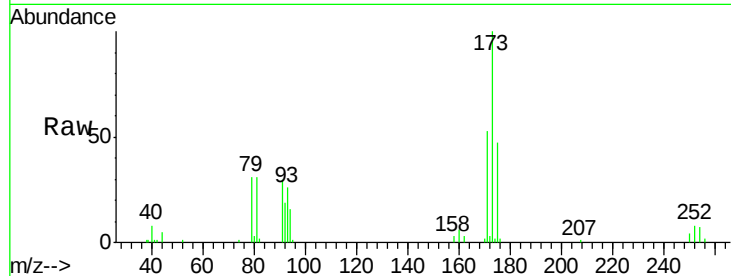
#71
Bromoform
Concen: 18.009 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.2	72.6
254	0.0	0.0	0.0

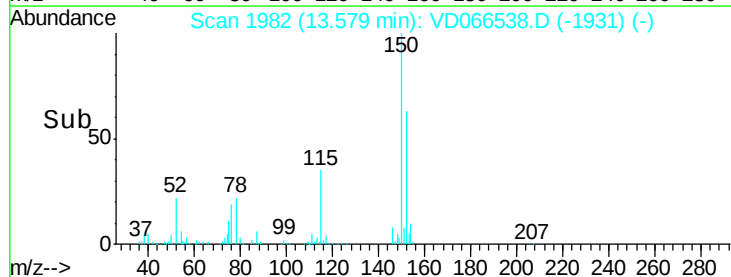
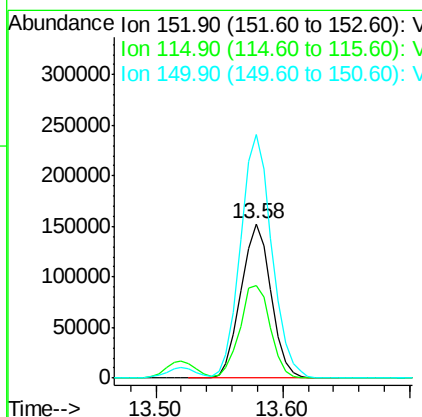
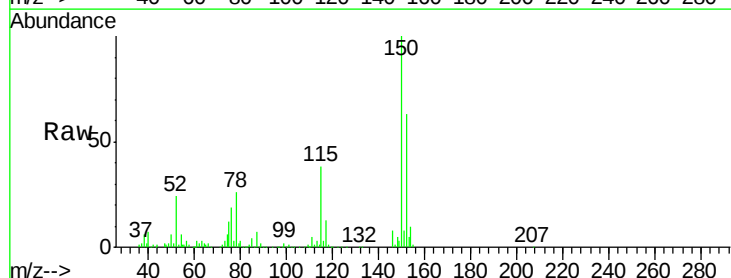
Manual Integrations
APPROVED

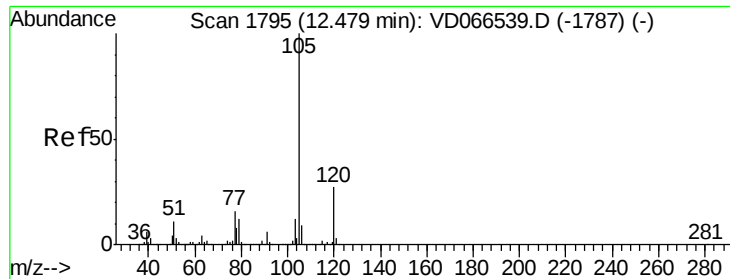
MMDadoda
9/4/2020 4:54:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.2
150	163.7	0.0	345.8





#73

Isopropylbenzene

Concen: 22.062 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 377219

Ion Ratio Lower Upper

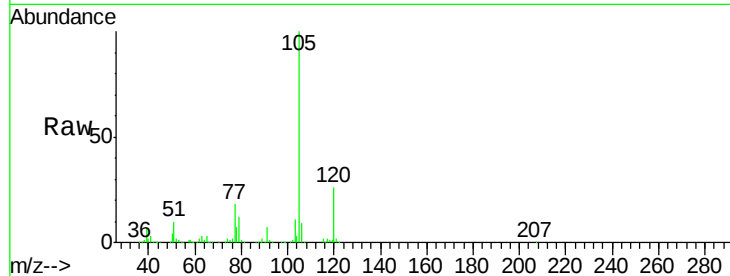
105 100

120 26.1 13.0 39.0

Manual Integrations
APPROVED

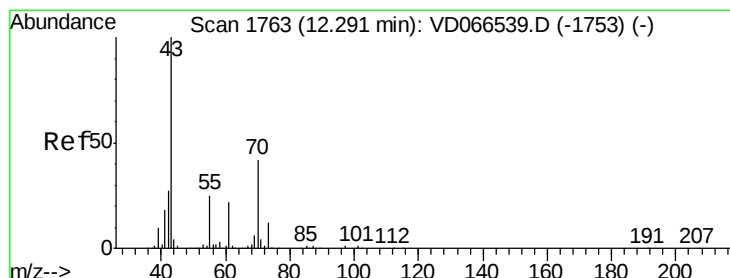
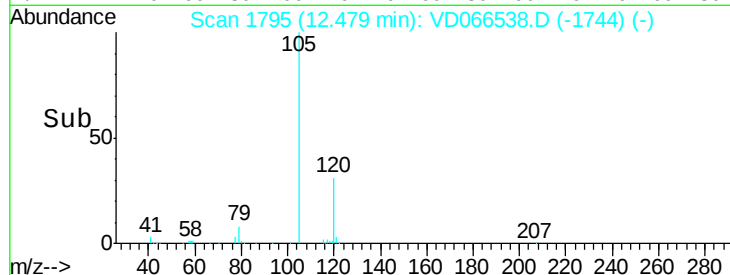
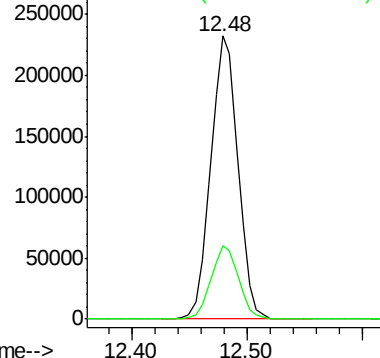
MMDadoda

9/4/2020 4:54:54 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 29.989 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion: 43 Resp: 84422

Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.2

55 26.1 20.1 30.1

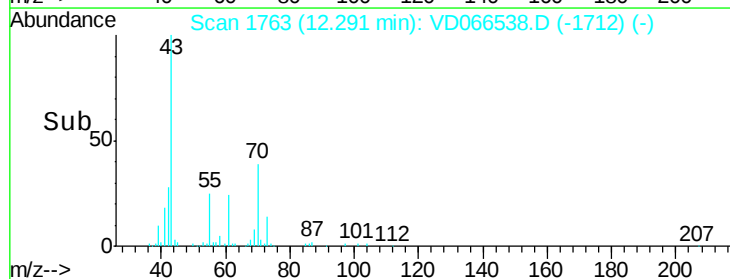
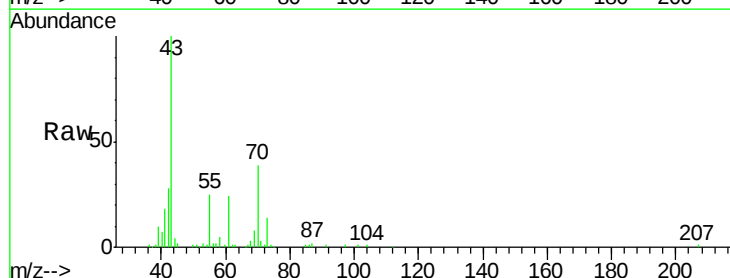
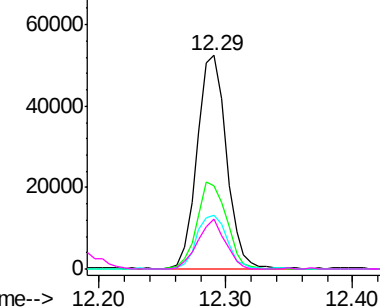
61 21.9 18.2 27.2

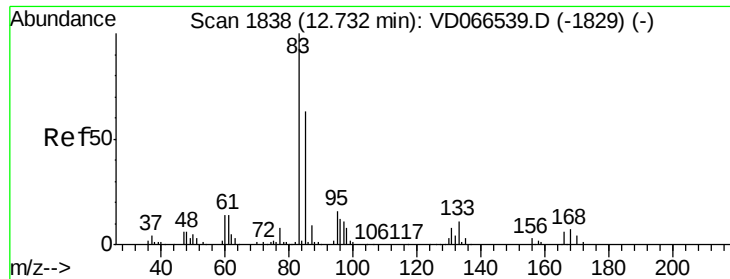
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 29.433 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

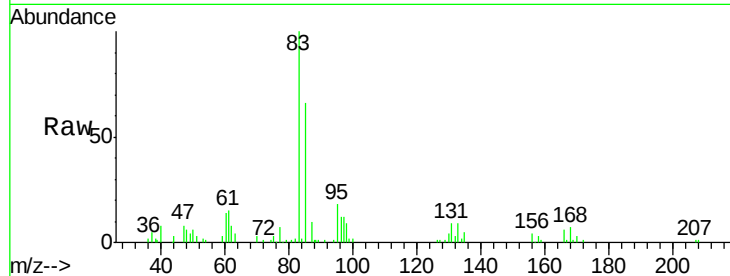
ClientSampleId :

VSTDIC020

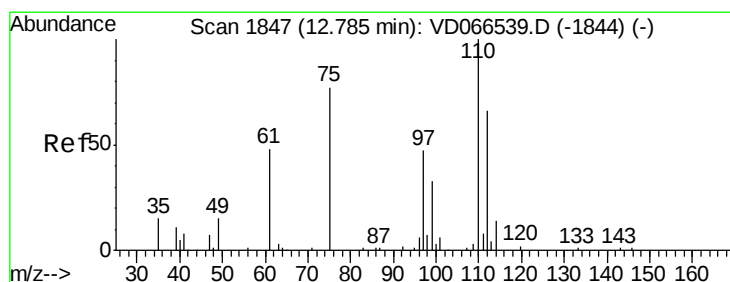
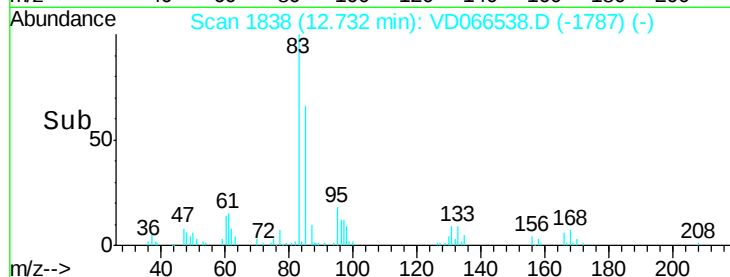
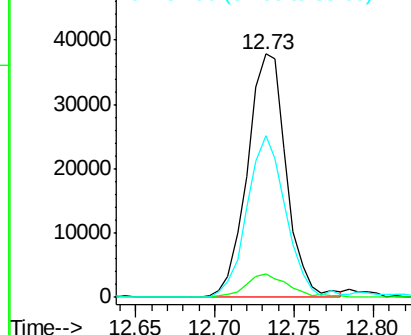
Tot Ion:	83	Resp:	64771
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	66.0	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 30.429 ug/l m

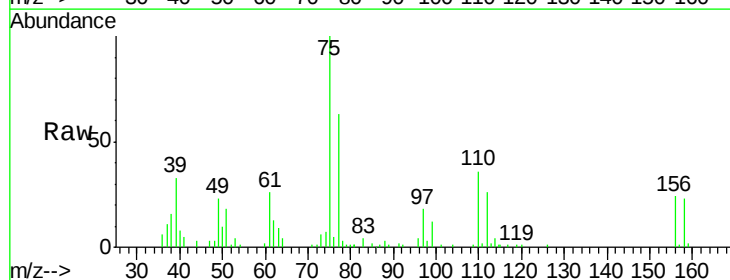
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

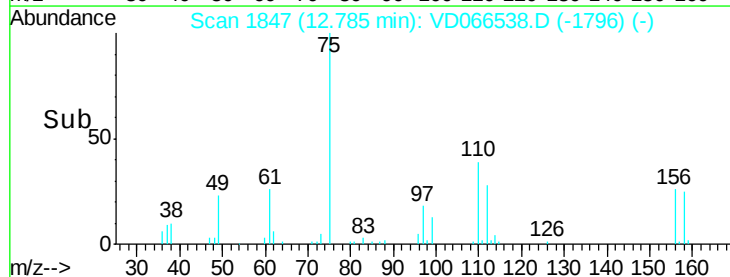
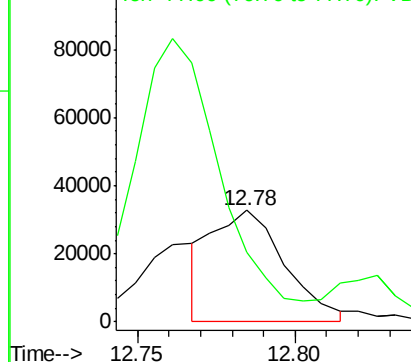
Lab File: VD066538.D

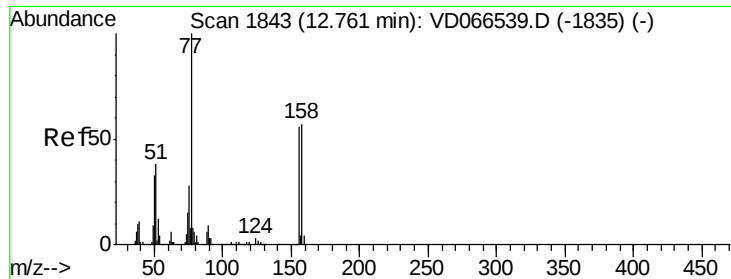
Acq: 03 Sep 2020 15:29

Tgt Ion:	75	Resp:	53082
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 19.729 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

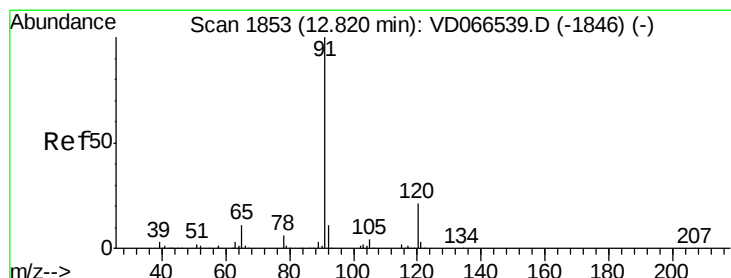
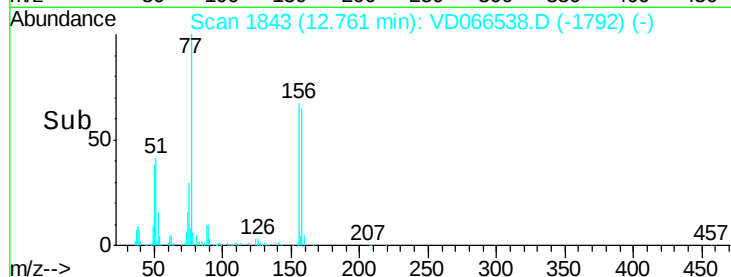
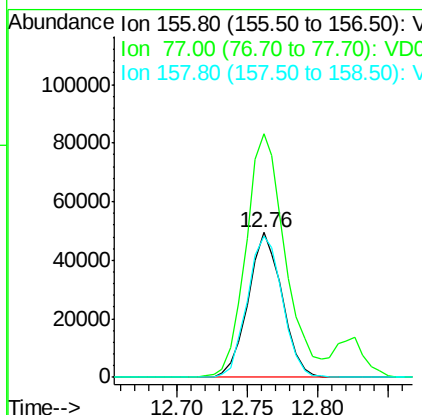
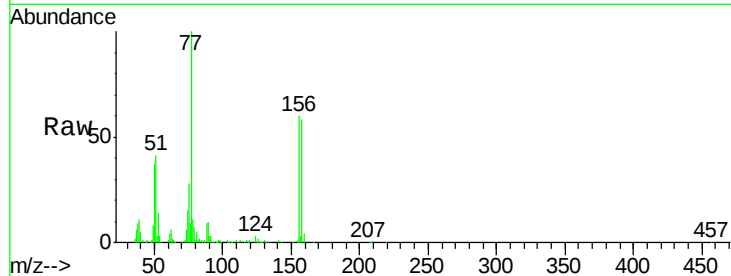
VSTDIC020

Tot Ion:156 Resp: 83513

Ion	Ratio	Lower	Upper
156	100		
77	193.2	98.0	294.1
158	100.3	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 24.205 ug/l

RT: 12.82 min Scan# 1853

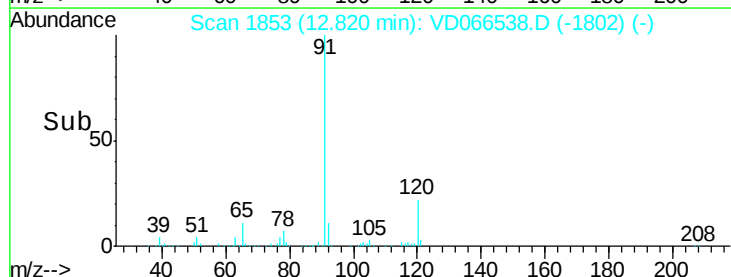
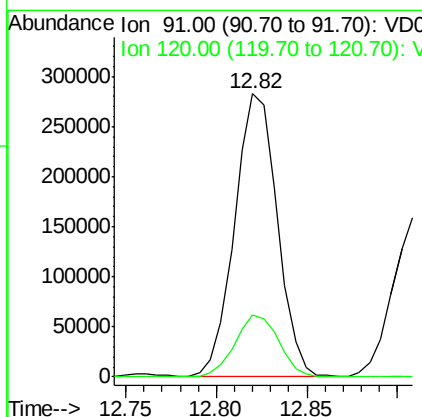
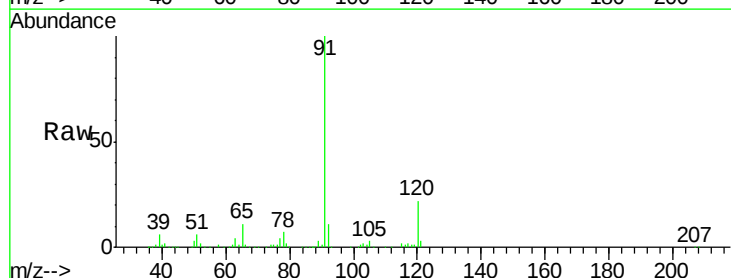
Delta R.T. -0.00 min

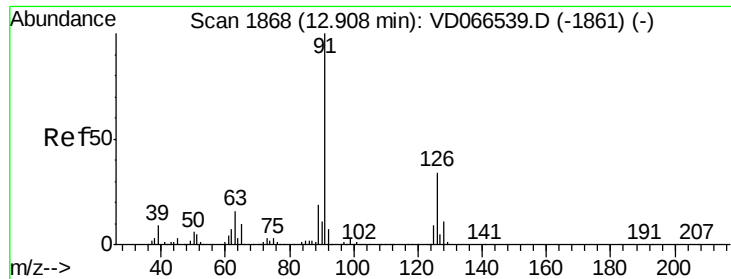
Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion: 91 Resp: 461792

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1





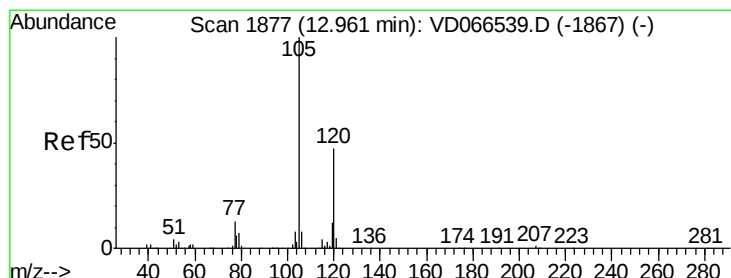
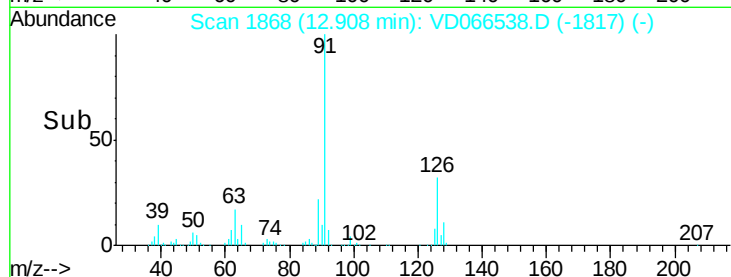
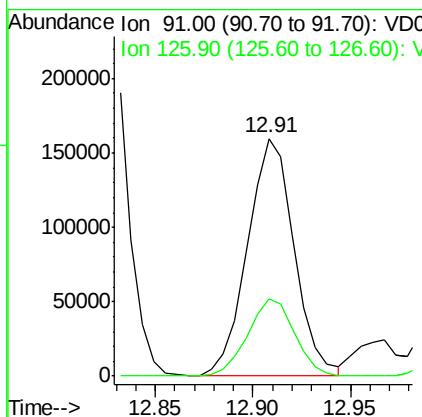
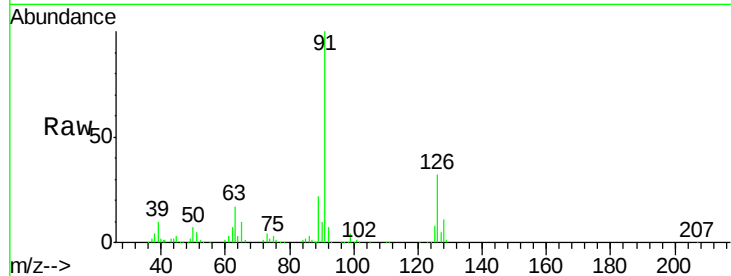
#79
2-Chlorotoluene
Concen: 24.173 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

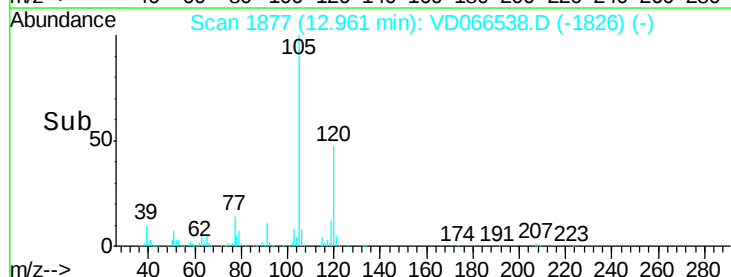
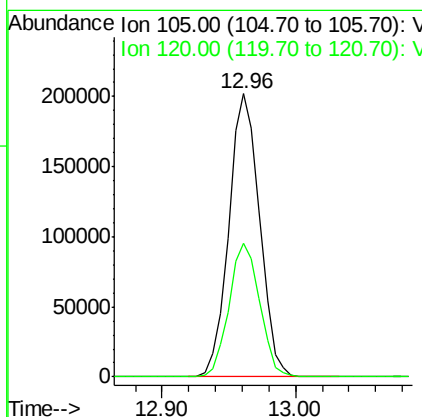
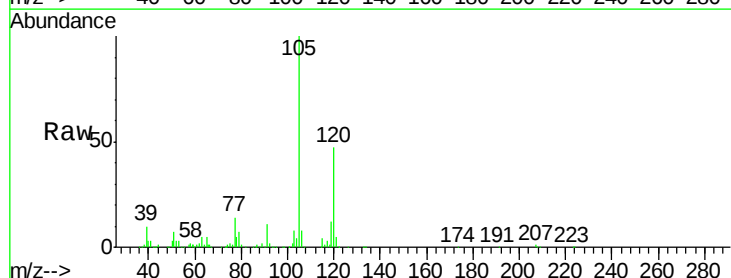
Manual Integrations
APPROVED

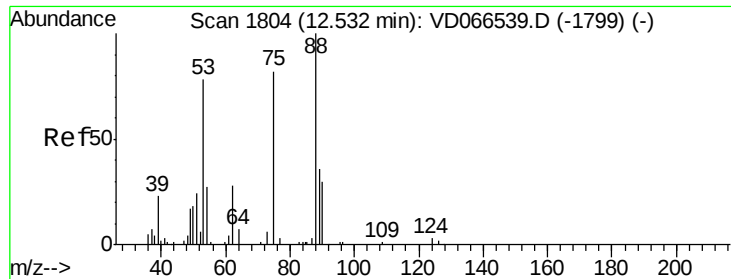
MMDadoda
9/4/2020 4:54:54 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.894 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.9	71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 27.664 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

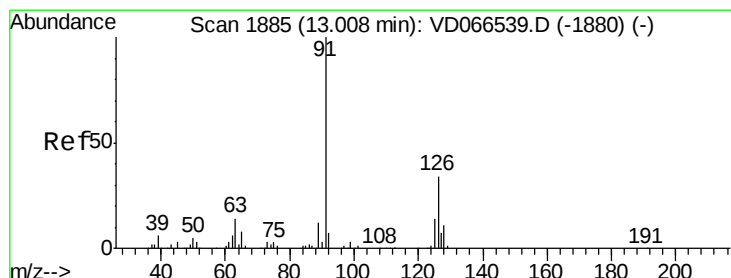
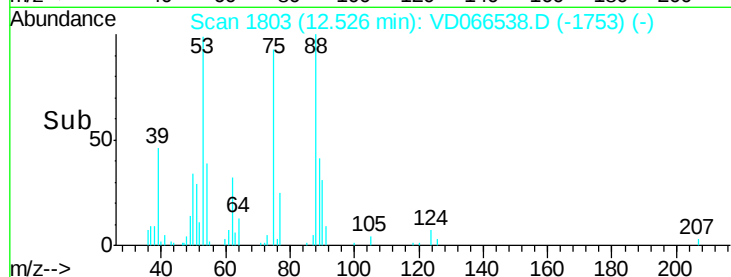
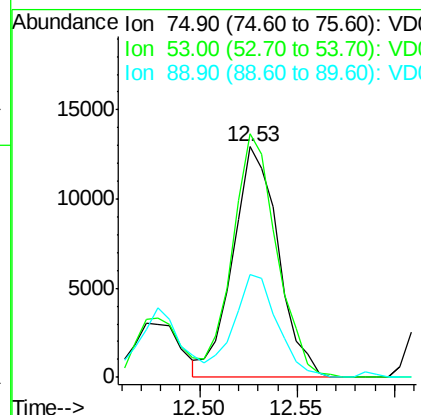
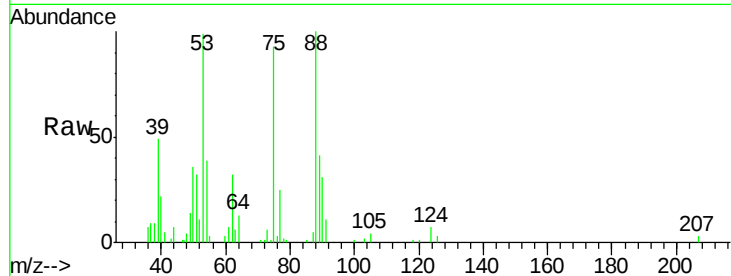
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20872
Ion	Ratio	Lower	Upper
75	100		
53	101.8	87.0	130.4
89	43.1	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 24.013 ug/l

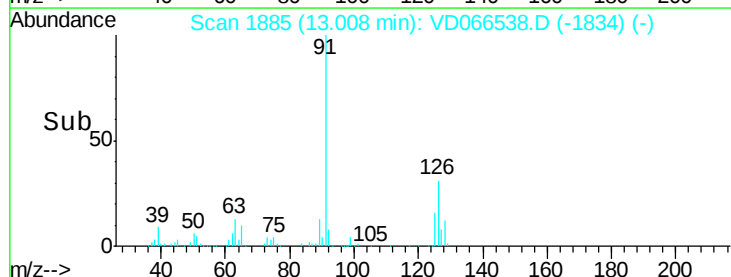
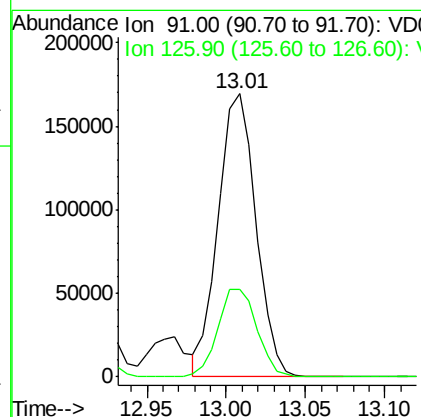
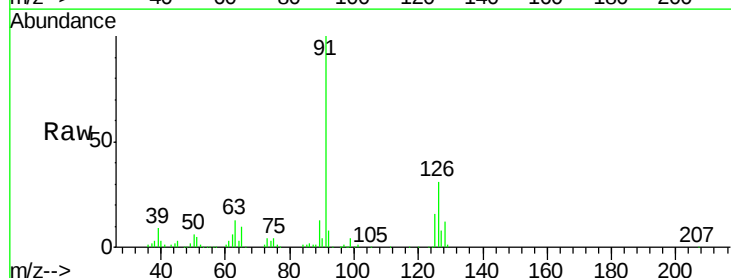
RT: 13.01 min Scan# 1885

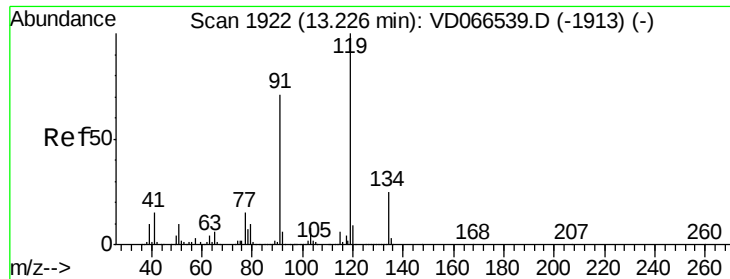
Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion:	91	Resp:	281418
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.1





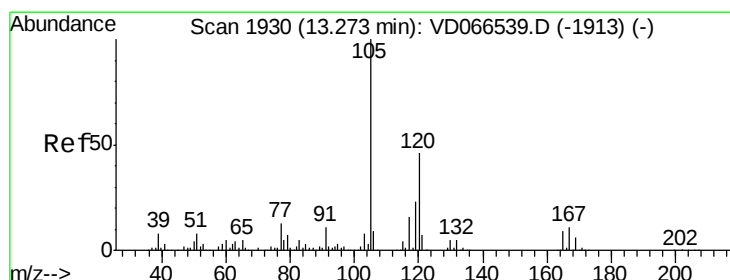
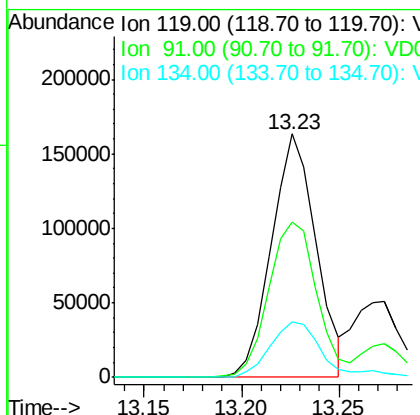
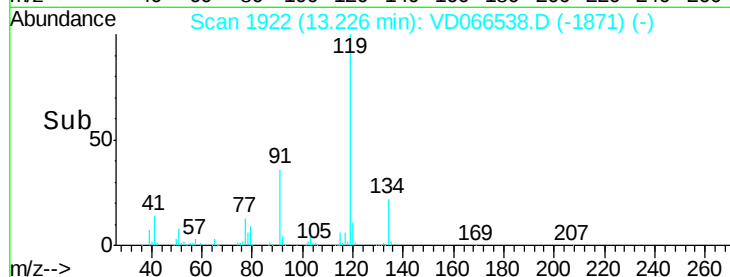
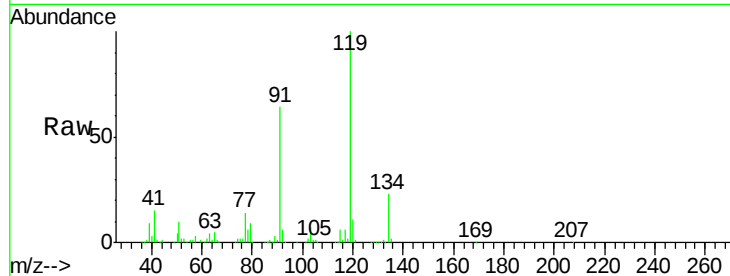
#83
tert-Butylbenzene
Concen: 20.165 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	35.2	105.6
134	26.8	13.5	40.5

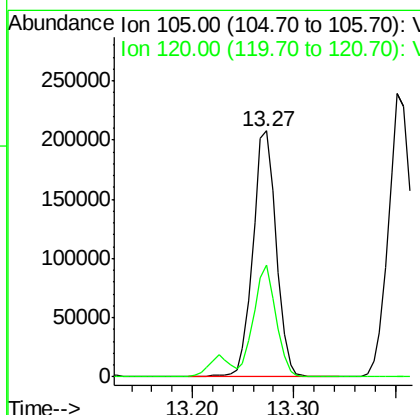
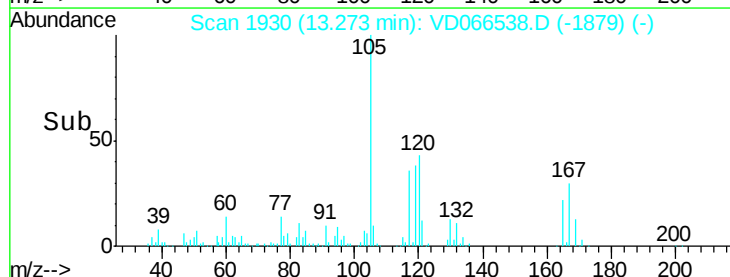
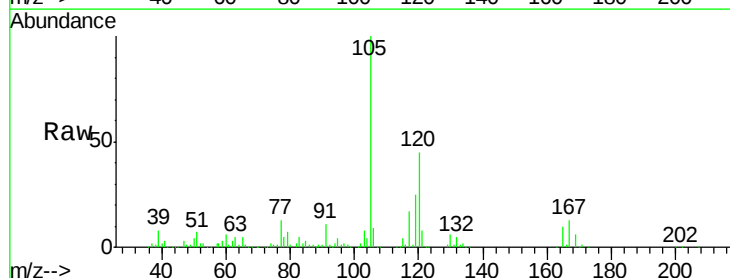
Manual Integrations
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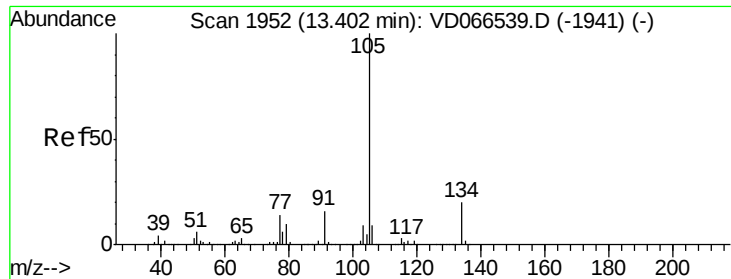
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.476 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.6	67.7





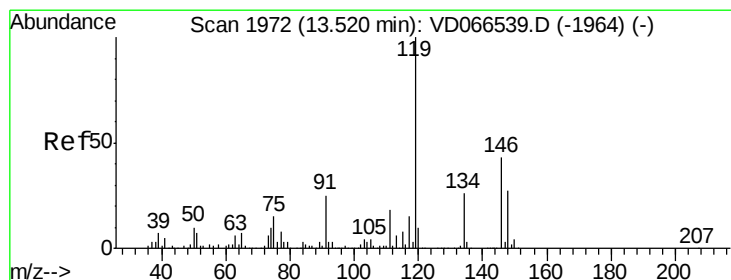
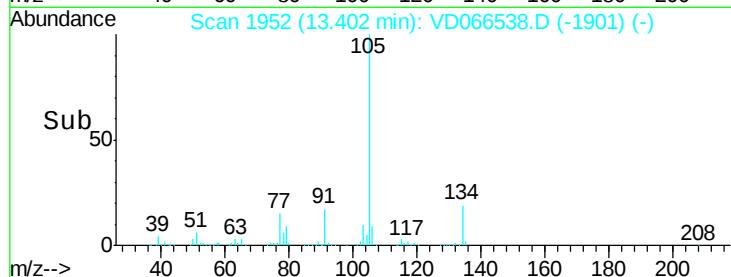
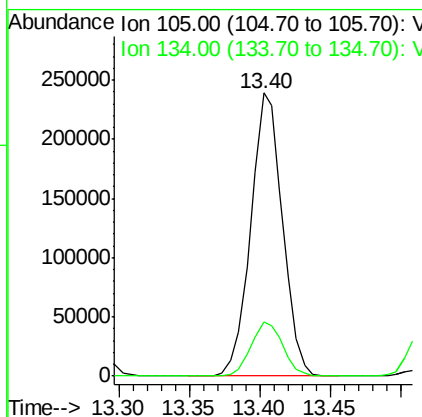
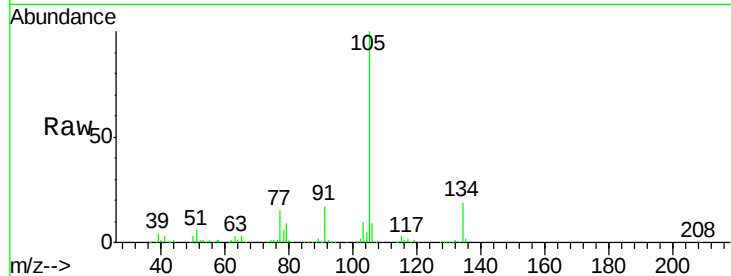
#85
 sec-Butylbenzene
 Concen: 22.631 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	377322		
134	19.2	9.8	29.5	

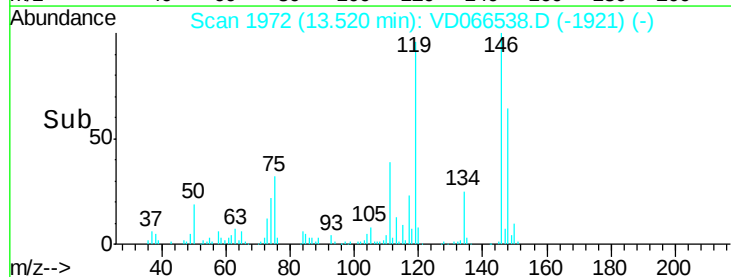
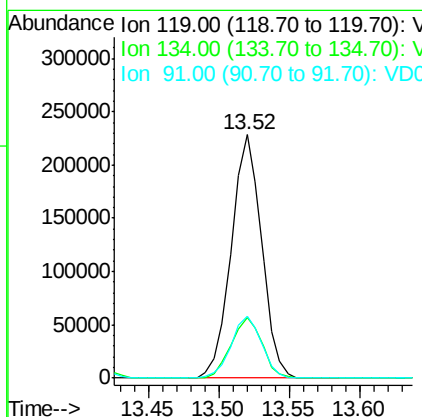
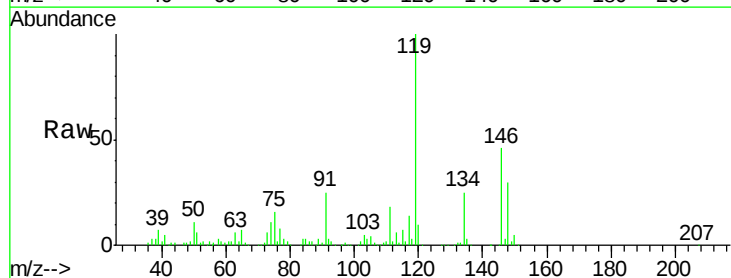
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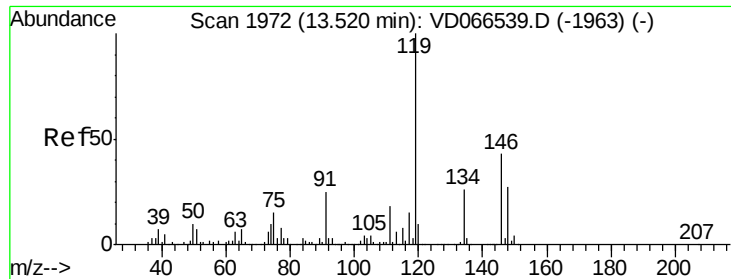
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.896 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	342187		
134	25.2	12.7	38.0	
91	25.3	12.5	37.5	





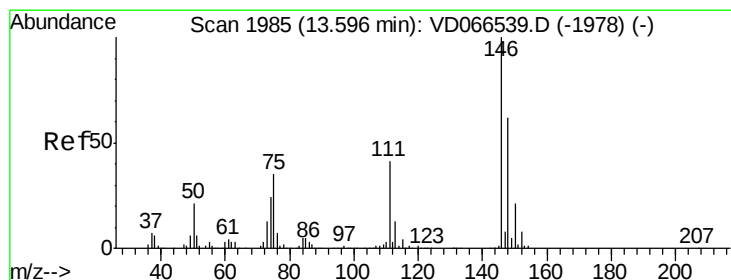
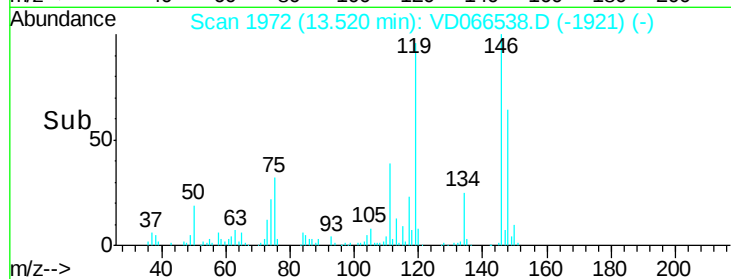
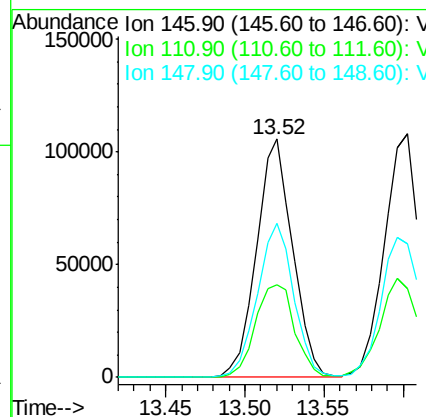
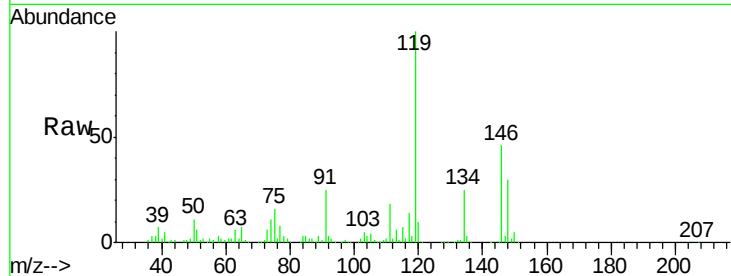
#87
 1,3-Dichlorobenzene
 Concen: 21.110 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167468		
111	42.7	20.6	61.9	
148	65.1	32.1	96.3	

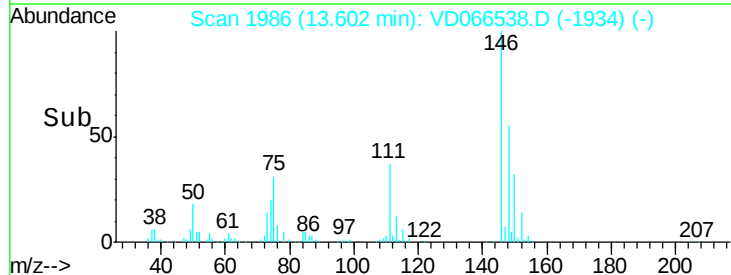
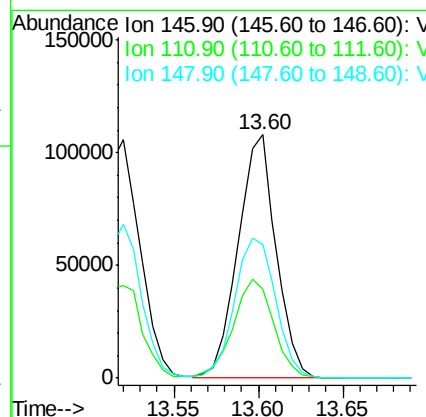
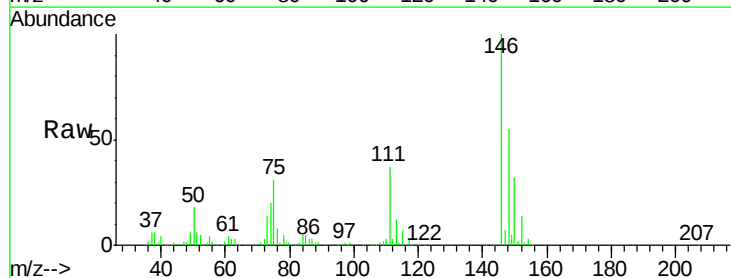
Manual Integrations
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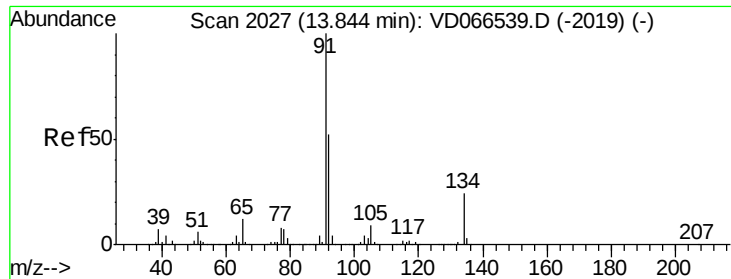
MMDadoda
 9/4/2020 4:54:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.182 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169224		
111	43.2	20.1	60.2	
148	62.6	31.6	94.8	





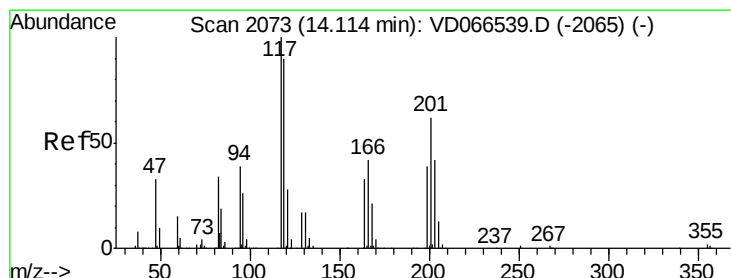
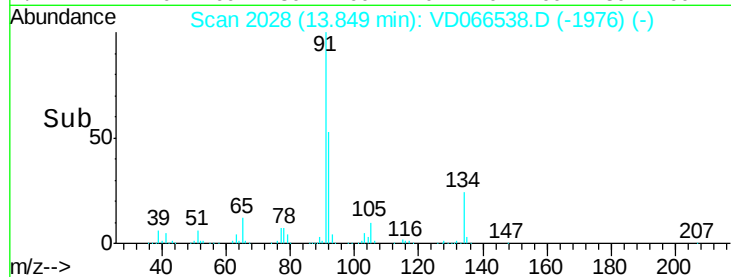
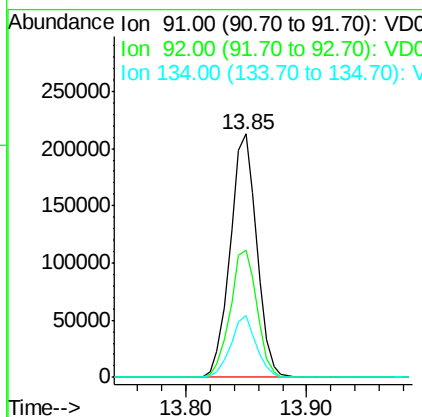
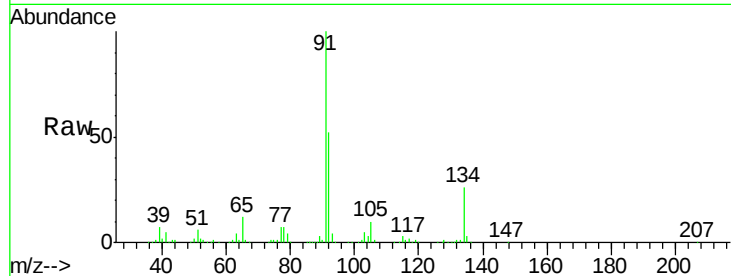
#89
n-Butylbenzene
Concen: 23.145 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.5	79.5	
134	24.3	12.1	36.3	

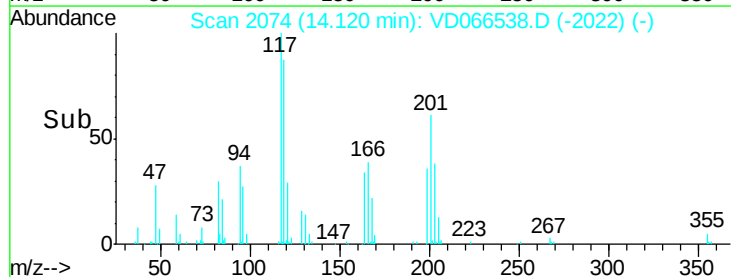
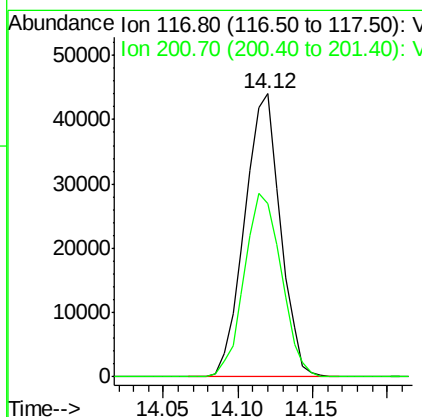
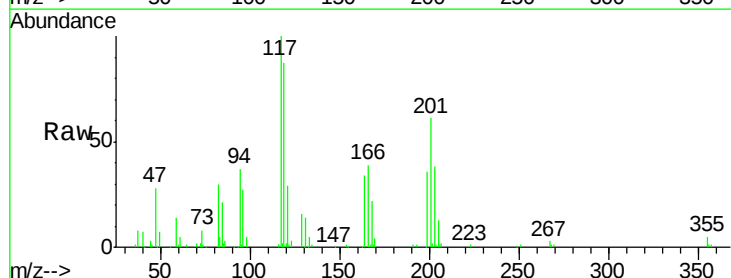
Manual Integrations
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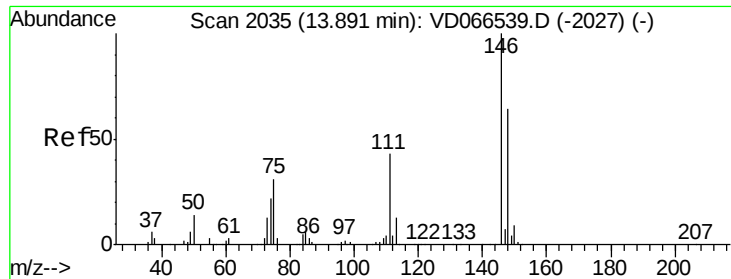
MMDadoda
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#90
Hexachloroethane
Concen: 24.147 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.2	31.9	95.5	





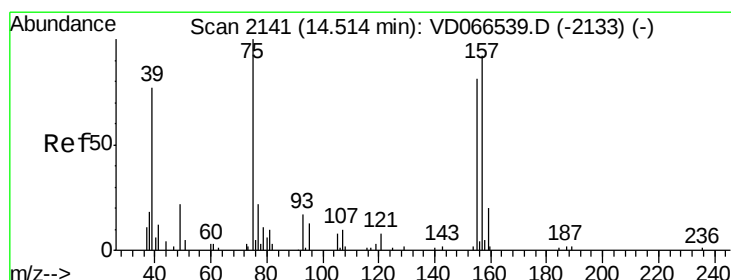
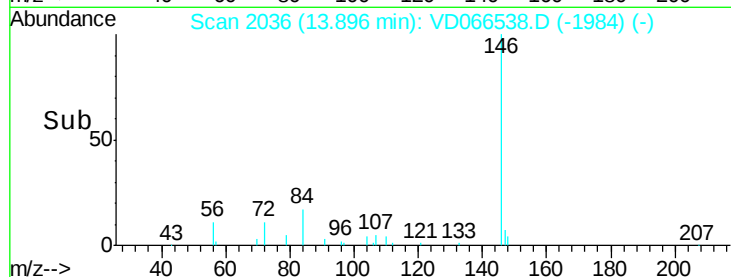
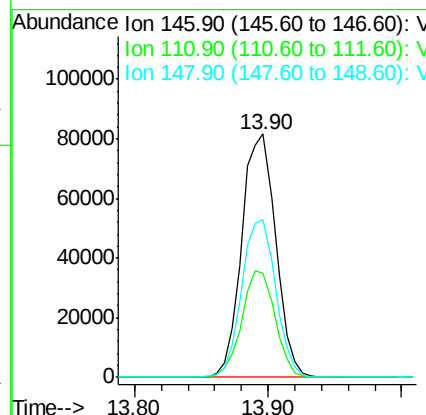
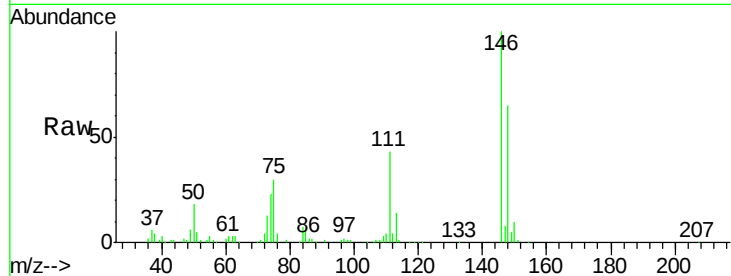
#91
 1,2-Dichlorobenzene
 Concen: 20.900 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	65.0	31.8	95.3

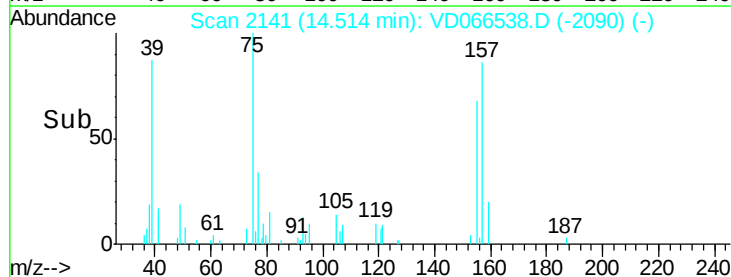
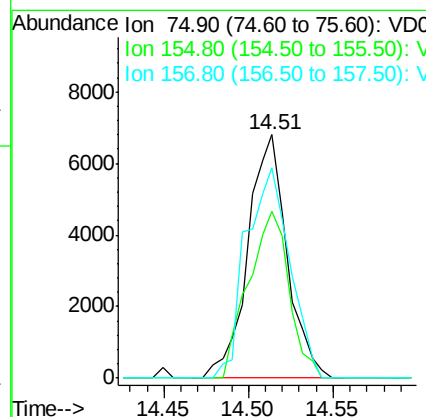
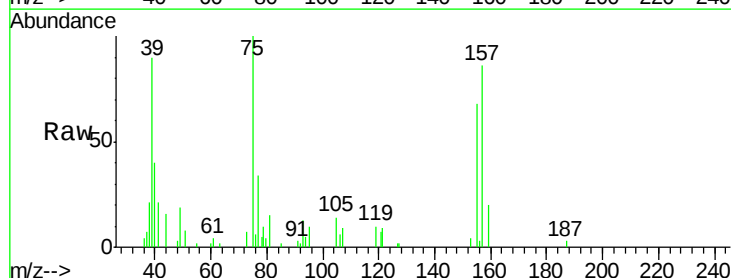
Manual Integrations
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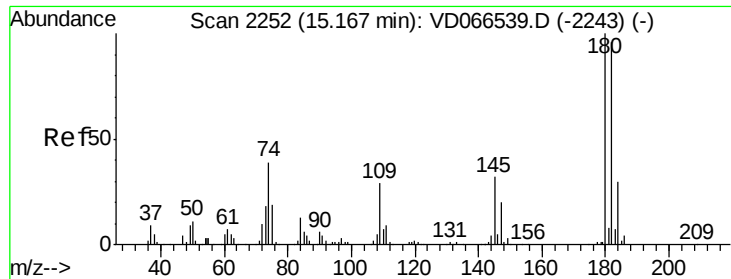
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.894 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	39.3	117.8
157	95.6	46.0	137.8





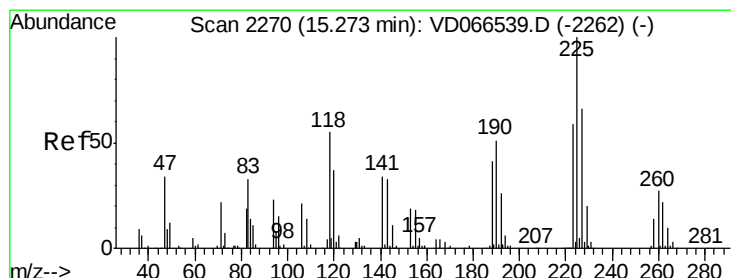
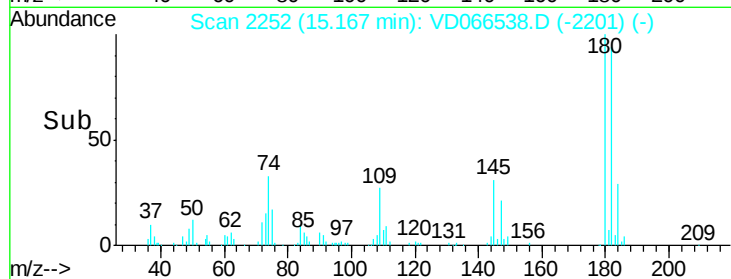
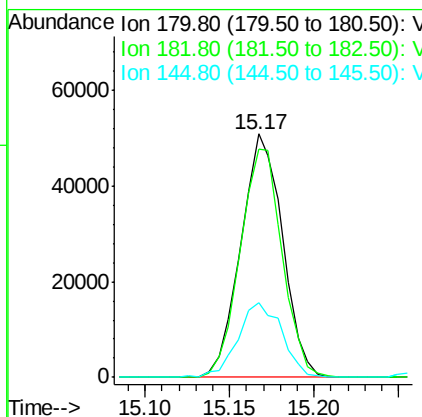
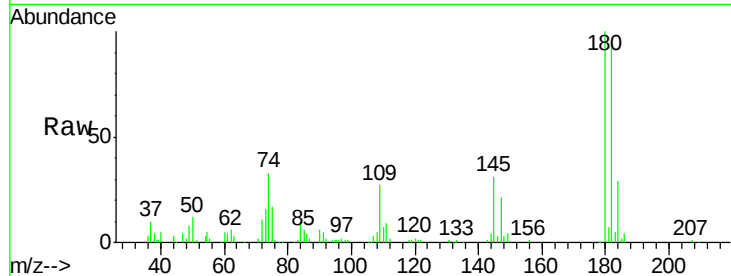
#93
 1,2,4-Trichlorobenzene
 Concen: 16.760 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87490		
182	94.5	48.4	145.0	
145	32.1	16.7	50.0	

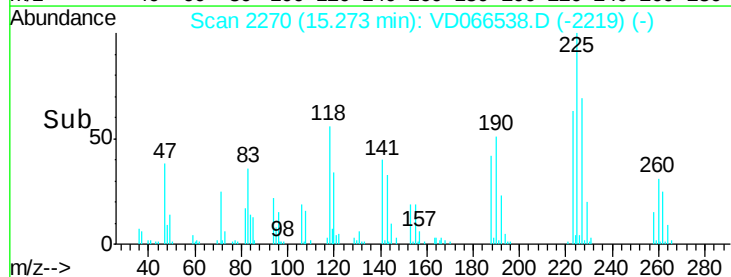
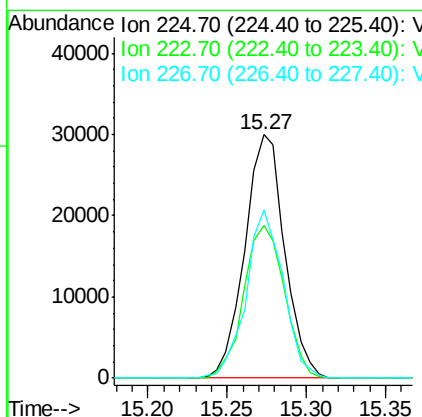
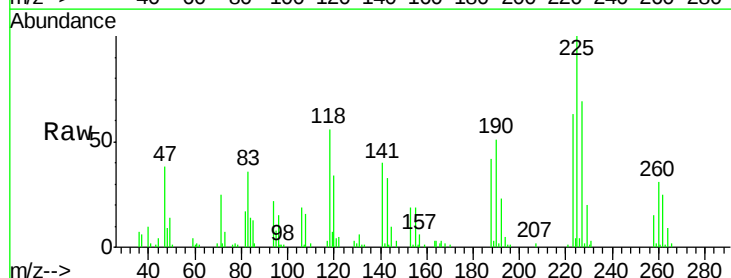
Manual Integrations
 APPROVED

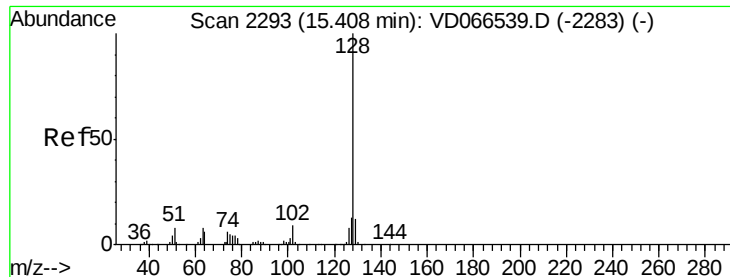
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#94
 Hexachlorobutadiene
 Concen: 15.621 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52343		
223	64.3	30.5	91.5	
227	64.4	32.4	97.2	





#95

Naphthalene

Concen: 17.158 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

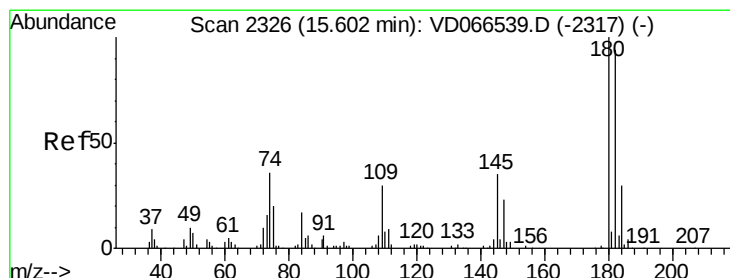
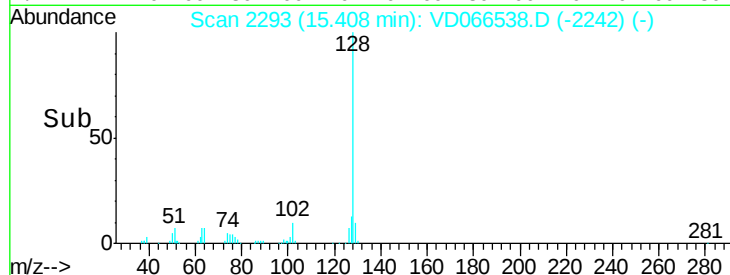
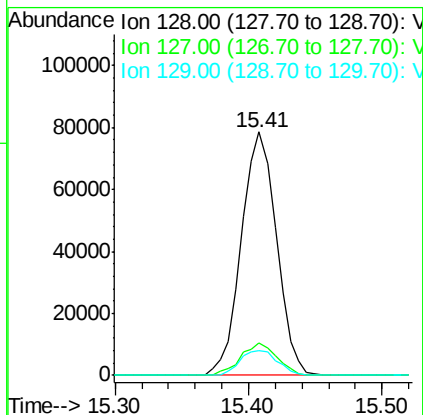
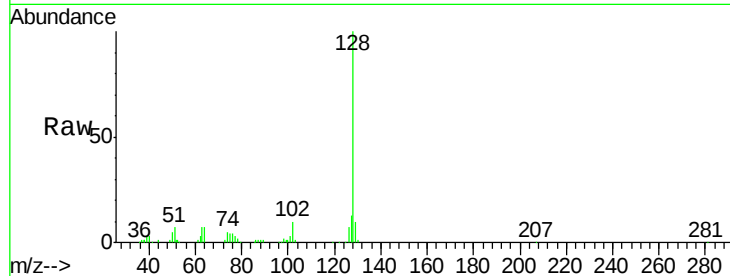
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	142881
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	11.0	9.1	13.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 16.474 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion:	180	Resp:	74531
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.9	143.6
145	34.3	17.3	51.7

