

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057439.D
 Acq On : 22 Aug 2019 17:52
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:05 PM

Quant Time: Aug 23 04:33:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	612961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	144556	30.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.14%	
35) Dibromofluoromethane	7.57	113	97267	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	
50) Toluene-d8	10.08	98	378899	22.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.06%	
62) 4-Bromofluorobenzene	12.40	95	114441	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	99367	27.590	ug/l	96
3) Chloromethane	2.05	50	133537	30.512	ug/l	99
4) Vinyl Chloride	2.17	62	164178	37.055	ug/l	99
5) Bromomethane	2.55	94	99052	32.478	ug/l	94
6) Chloroethane	2.69	64	106040	35.844	ug/l	94
7) Trichlorofluoromethane	3.00	101	256815	37.505	ug/l	98
8) Diethyl Ether	3.39	74	91783	35.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131253	33.542	ug/l	98
10) Methyl Iodide	3.92	142	104361	19.279	ug/l	100
11) Tert butyl alcohol	4.79	59	88171	136.584	ug/l	99
12) 1,1-Dichloroethene	3.71	96	136170	34.942	ug/l	98
13) Acrolein	3.58	56	78147	175.698	ug/l	98
14) Allyl chloride	4.29	41	181364	29.973	ug/l	97
15) Acrylonitrile	4.97	53	232218	133.460	ug/l	99
16) Acetone	3.80	43	226025	143.147	ug/l	97
17) Carbon Disulfide	4.02	76	245659	25.370	ug/l	99
18) Methyl Acetate	4.30	43	147631	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	307962	26.831	ug/l	98
20) Methylene Chloride	4.52	84	99261	23.375	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	88714	23.282	ug/l	97
22) Diisopropyl ether	5.93	45	381395	31.533	ug/l	98
23) Vinyl Acetate	5.87	43	1461471	151.761	ug/l	99
24) 1,1-Dichloroethane	5.82	63	196189	27.404	ug/l	99
25) 2-Butanone	6.82	43	344154	148.422	ug/l	98
26) 2,2-Dichloropropane	6.80	77	167804	28.763	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107362	23.723	ug/l	98
28) Bromochloromethane	7.18	49	118295	34.711	ug/l	96
29) Tetrahydrofuran	7.20	42	227449	153.065	ug/l	98
30) Chloroform	7.36	83	192734	26.009	ug/l	95
31) Cyclohexane	7.63	56	196970	30.168	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	167117	26.809	ug/l	100
36) 1,1-Dichloropropene	7.78	75	141704	22.339	ug/l	100
37) Ethyl Acetate	6.91	43	145997	27.357	ug/l	99
38) Carbon Tetrachloride	7.76	117	137329	21.038	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174092	23.390	ug/l	97
40) Benzene	8.03	78	423646	21.962	ug/l	97
41) Methacrylonitrile	7.16	41	69800	28.661	ug/l	96
42) 1,2-Dichloroethane	8.11	62	161359	24.634	ug/l	98
43) Isopropyl Acetate	8.16	43	258037	22.485	ug/l	100
44) Trichloroethene	8.82	130	95949	18.230	ug/l	98
45) 1,2-Dichloropropane	9.11	63	118099	23.439	ug/l	98
46) Dibromomethane	9.20	93	71306	21.432	ug/l	97
47) Bromodichloromethane	9.39	83	153021	23.030	ug/l	96
48) Methyl methacrylate	9.19	41	119739	26.778	ug/l	99
49) 1,4-Dioxane	9.20	88	31388	366.757	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	721038	130.189	ug/l	100
52) Toluene	10.15	92	247167	20.817	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	159846	22.340	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177159	22.511	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96359	20.654	ug/l	99
56) Ethyl methacrylate	10.43	69	156337	22.615	ug/l	98
57) 1,3-Dichloropropane	10.70	76	173502	21.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	175751	99.080	ug/l	100
59) 2-Hexanone	10.75	43	493957	125.545	ug/l	99
60) Dibromochloromethane	10.90	129	101421	19.585	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97326	19.709	ug/l	99
64) Tetrachloroethene	10.63	164	87491	17.038	ug/l	94
65) Chlorobenzene	11.43	112	239256	19.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91806	19.359	ug/l	99
67) Ethyl Benzene	11.51	91	458305	20.686	ug/l	100
68) m/p-Xylenes	11.62	106	321188	39.842	ug/l	100
69) o-Xylene	11.95	106	160301	20.227	ug/l	98
70) Styrene	11.96	104	250578	19.829	ug/l	99
71) Bromoform	12.13	173	58243	15.928	ug/l #	95
73) Isopropylbenzene	12.25	105	426541	22.216	ug/l	99
74) N-amyl acetate	12.07	43	198978	32.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	125809	22.409	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	112596m	23.387	ug/l	
77) Bromobenzene	12.53	156	86771	17.914	ug/l	99
78) n-propylbenzene	12.59	91	456375	23.600	ug/l	99
79) 2-Chlorotoluene	12.68	91	280048	22.681	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	342330	22.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40893	24.872	ug/l	97
82) 4-Chlorotoluene	12.77	91	263474	23.091	ug/l	99
83) tert-Butylbenzene	13.00	119	293236	20.640	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	321876	22.447	ug/l	100
85) sec-Butylbenzene	13.17	105	373328	21.730	ug/l	99
86) p-Isopropyltoluene	13.29	119	311334	21.349	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	126322	18.713	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	120999	18.740	ug/l	98
89) n-Butylbenzene	13.62	91	256532	23.915	ug/l	100
90) Hexachloroethane	13.88	117	68946	22.642	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	124946	19.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20085	27.161	ug/l	98

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VSTDICC020

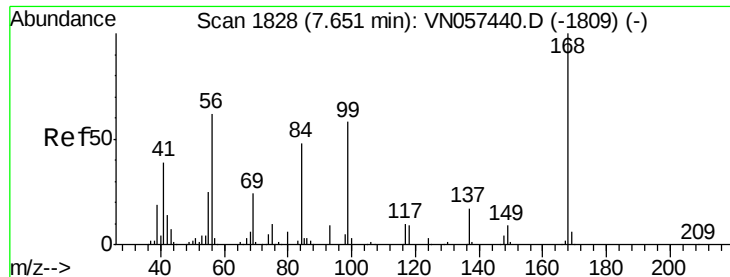
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34059	16.172	ug/l	97
94) Hexachlorobutadiene	15.01	225	37552	13.480	ug/l	98
95) Naphthalene	15.13	128	116673	23.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	34678	17.129	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 391129

Ion Ratio Lower Upper

168 100

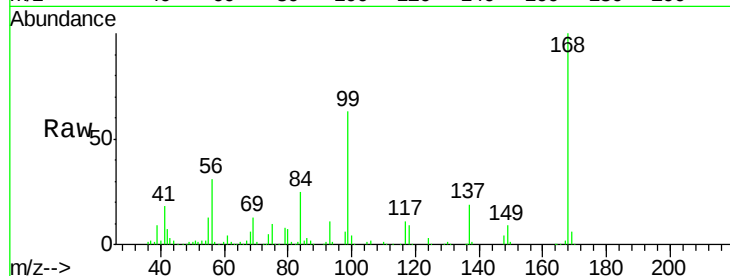
99 62.7 50.6 76.0

Manual Integrations

APPROVED

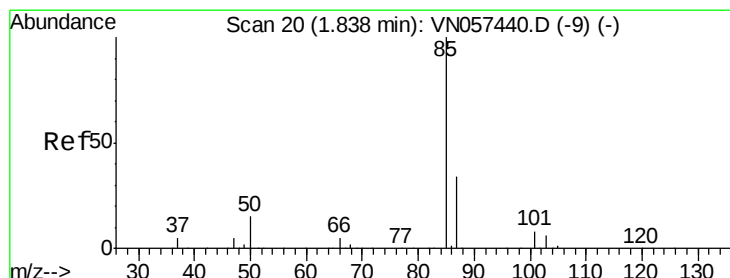
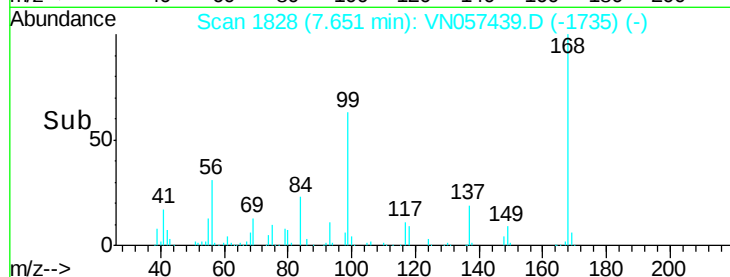
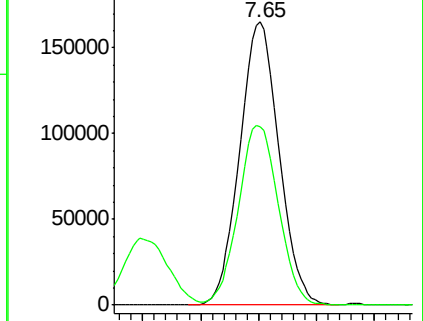
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 27.590 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057439.D

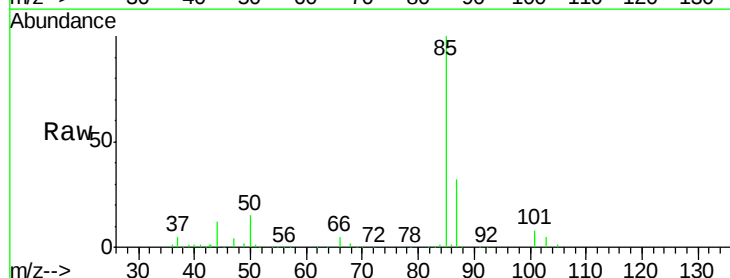
Acq: 22 Aug 2019 17:52

Tgt Ion: 85 Resp: 99367

Ion Ratio Lower Upper

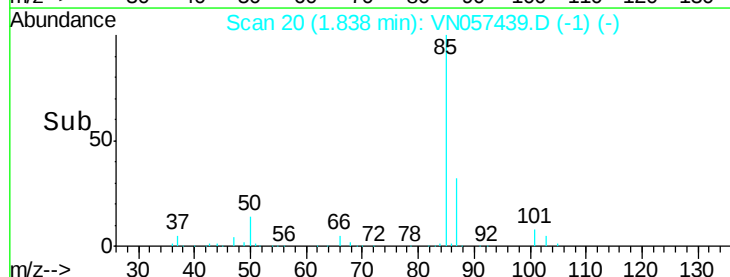
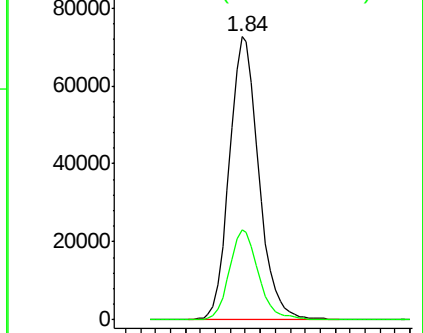
85 100

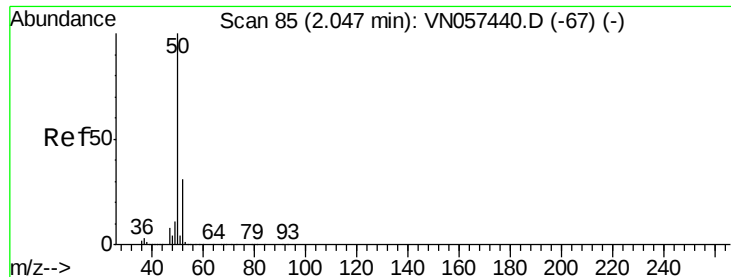
87 32.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 30.512 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 133537

Ion Ratio Lower Upper

50 100

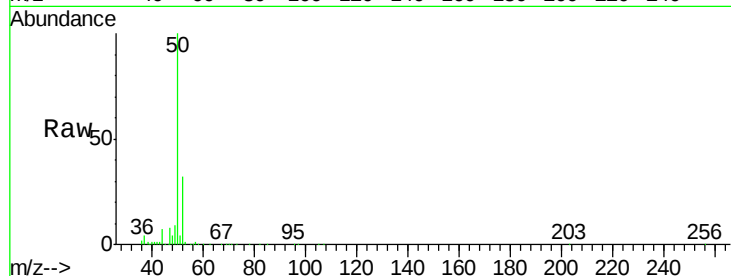
52 32.1 25.1 37.7

Manual Integrations

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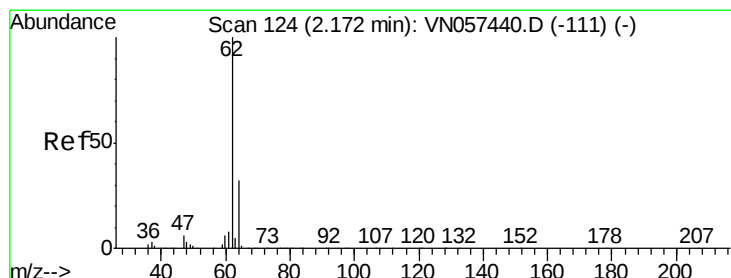
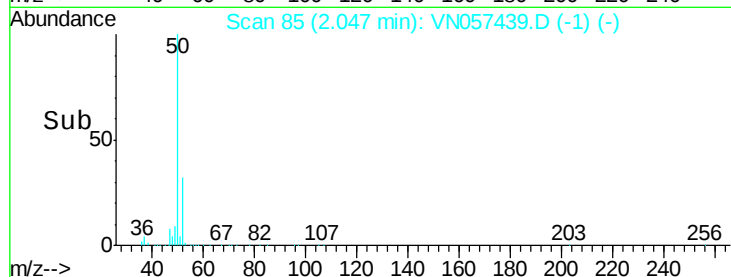
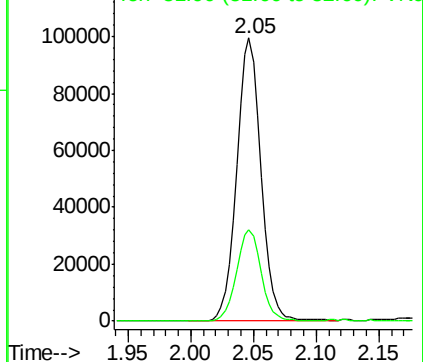
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 37.055 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057439.D

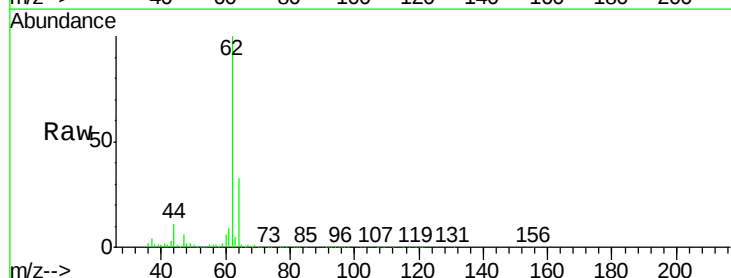
Acq: 22 Aug 2019 17:52

Tgt Ion: 62 Resp: 164178

Ion Ratio Lower Upper

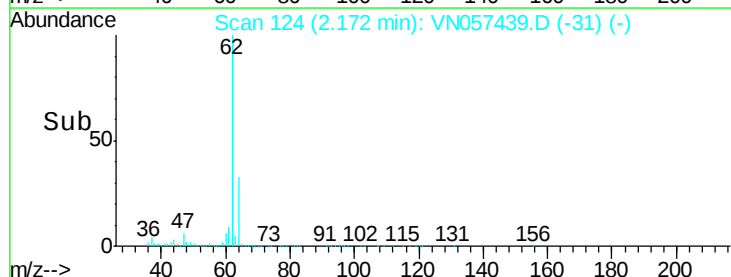
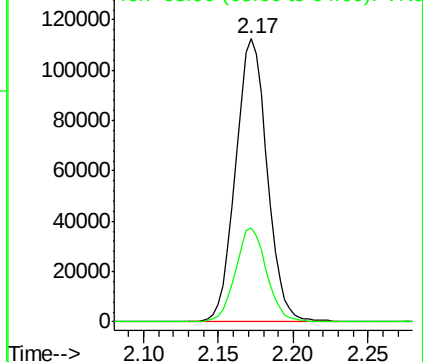
62 100

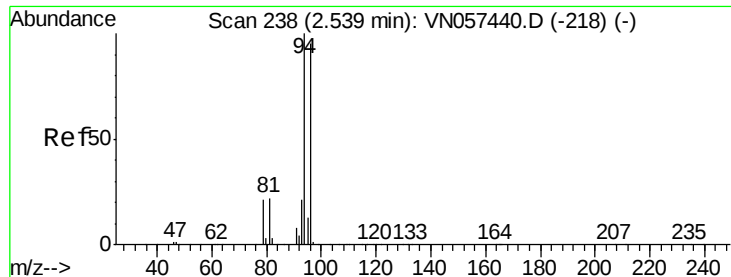
64 33.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 32.478 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 99052

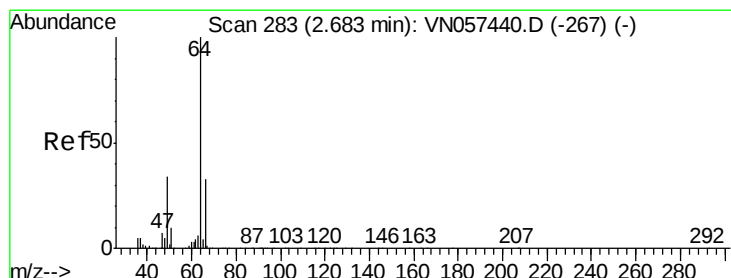
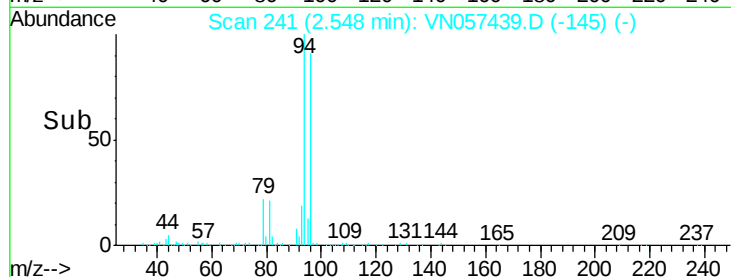
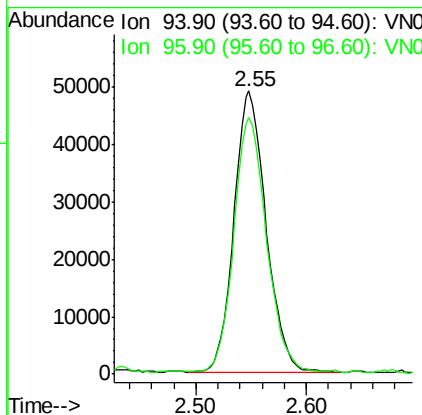
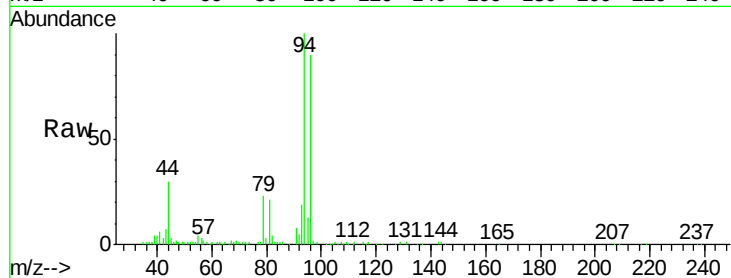
Ion Ratio Lower Upper

94 100

96 89.9 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 35.844 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057439.D

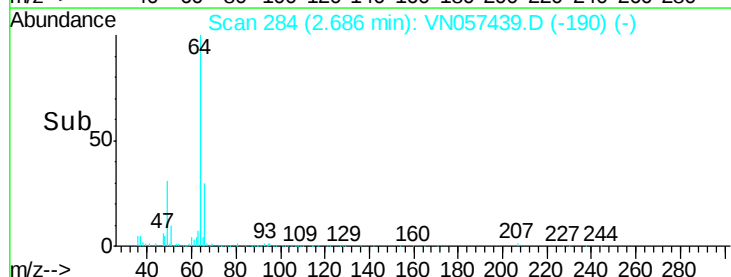
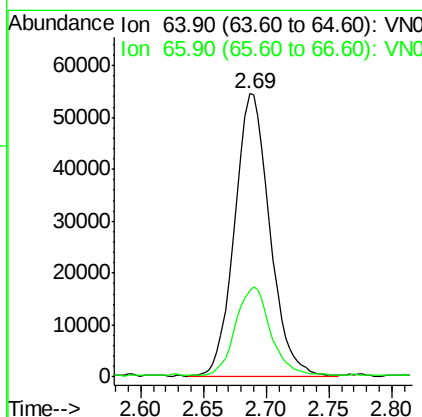
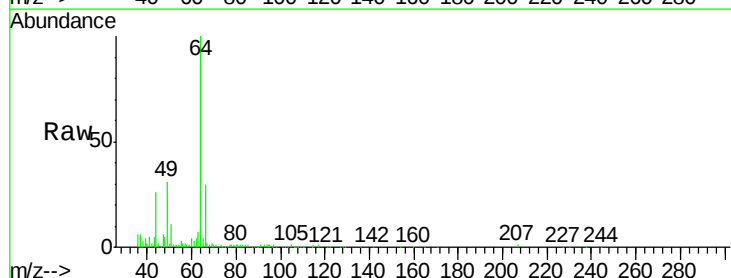
Acq: 22 Aug 2019 17:52

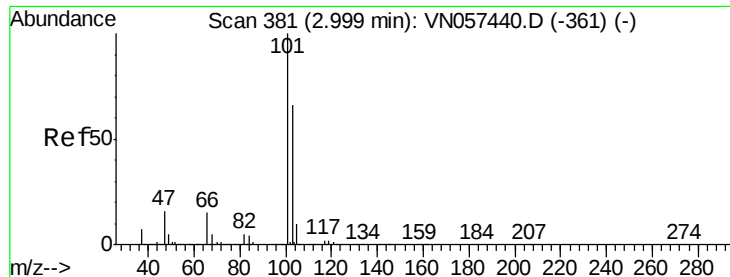
Tgt Ion: 64 Resp: 106040

Ion Ratio Lower Upper

64 100

66 29.9 26.8 40.2





#7

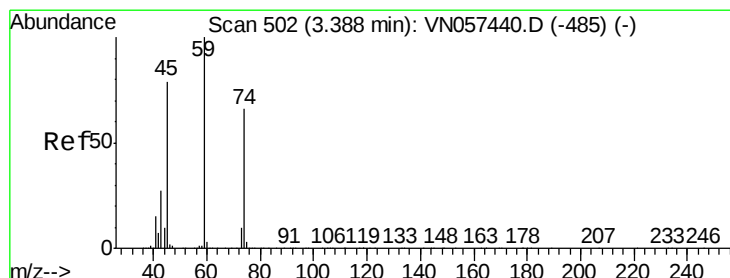
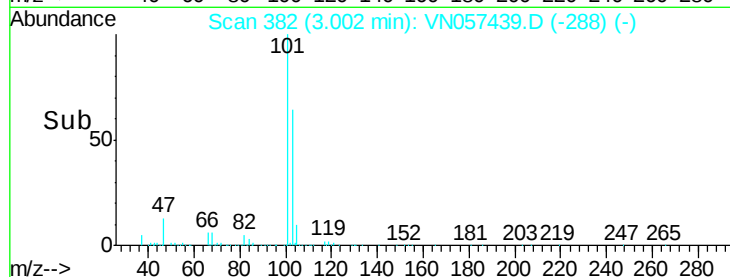
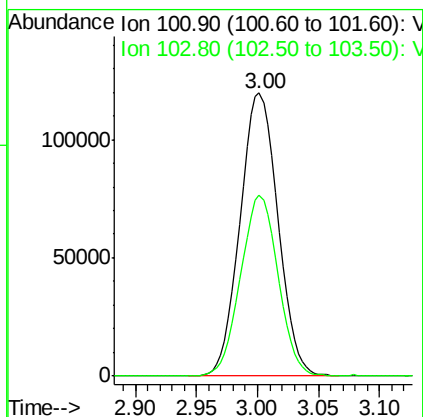
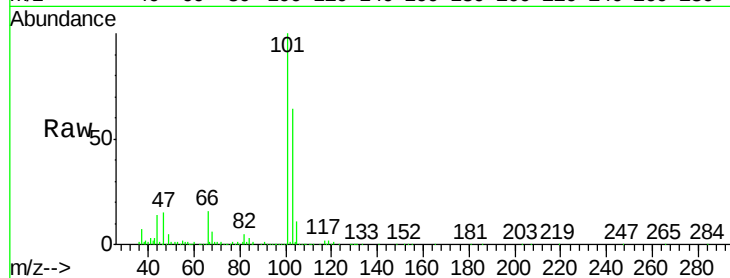
Trichlorofluoromethane
Concen: 37.505 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.6	78.8

Manual Integrations
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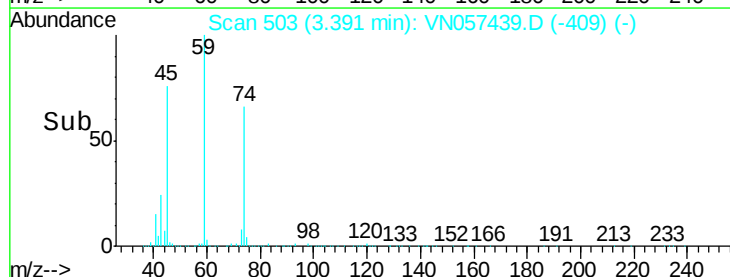
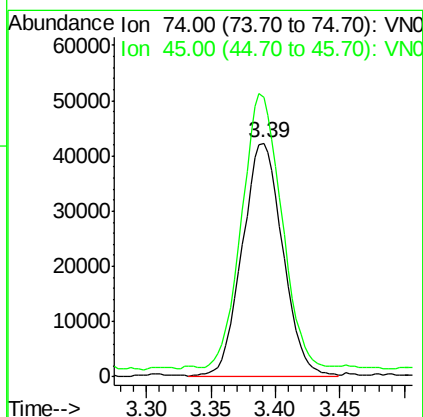
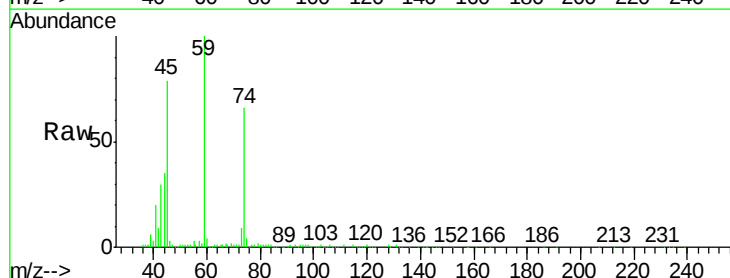
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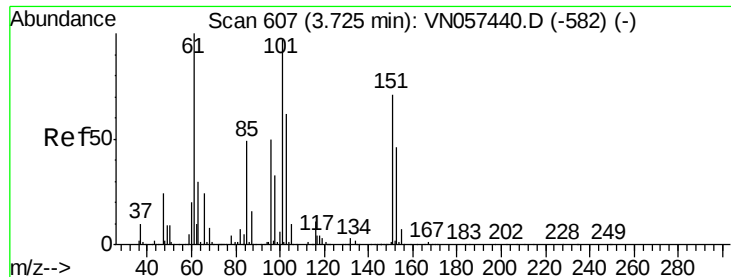


#8

Diethyl Ether
Concen: 35.887 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.4	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.542 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

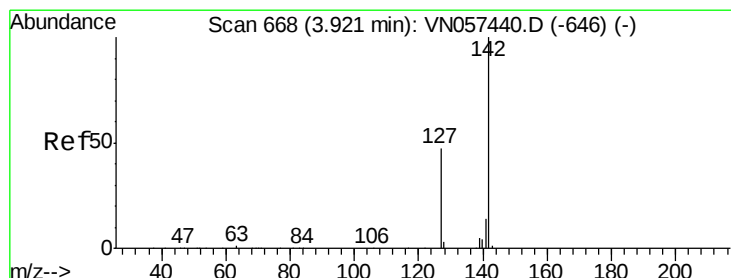
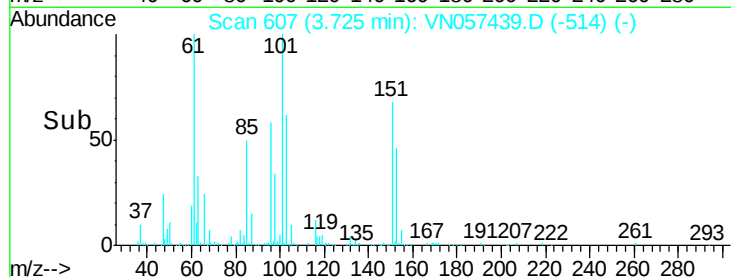
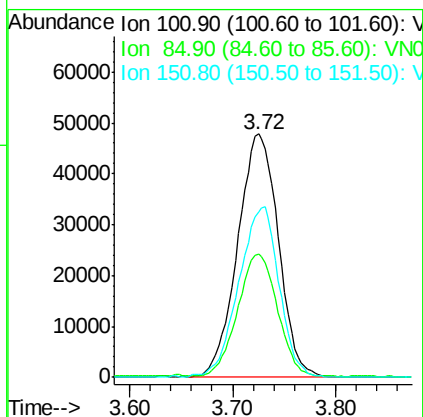
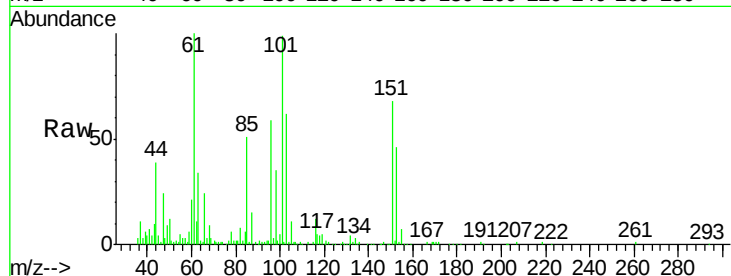
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	131253
Ion Ratio	Lower	Upper	
101	100		
85	48.5	40.0	60.0
151	69.2	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.279 ug/l

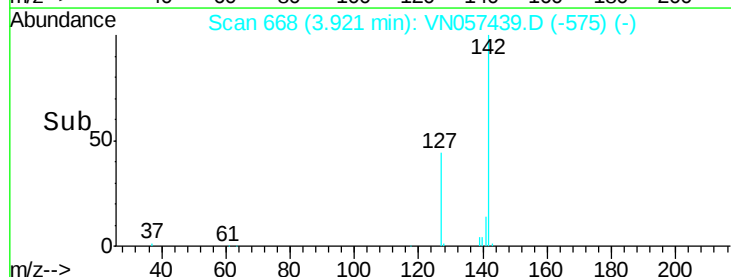
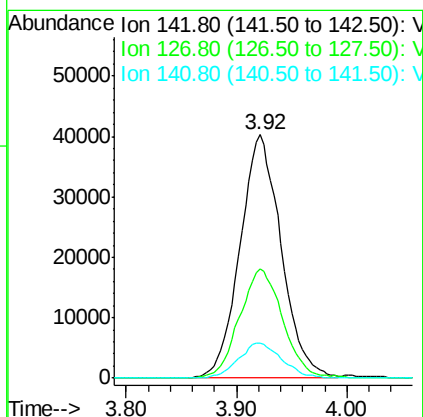
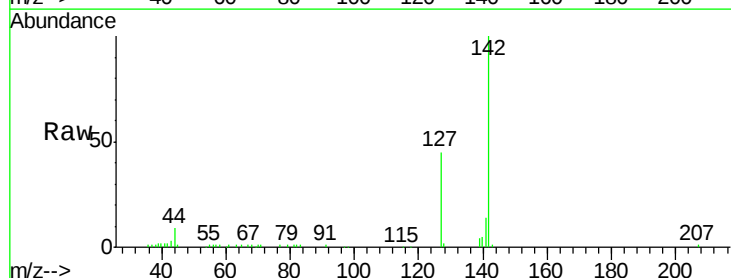
RT: 3.92 min Scan# 668

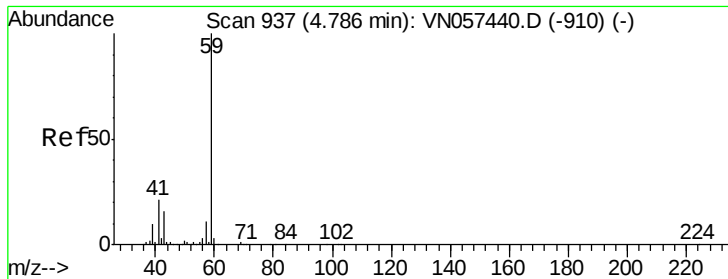
Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Tgt Ion:	142	Resp:	104361
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.8	56.8
141	14.9	11.9	17.9





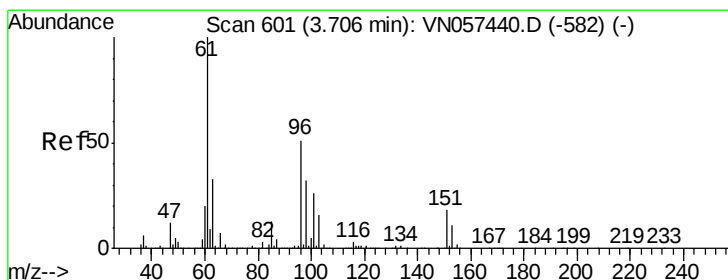
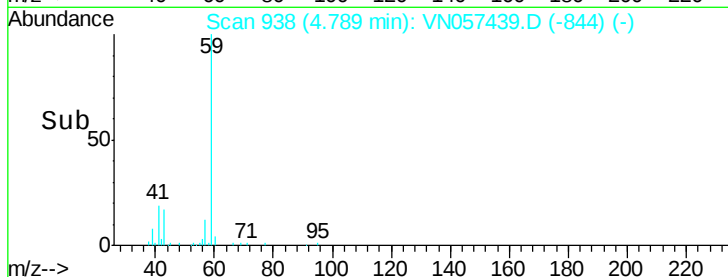
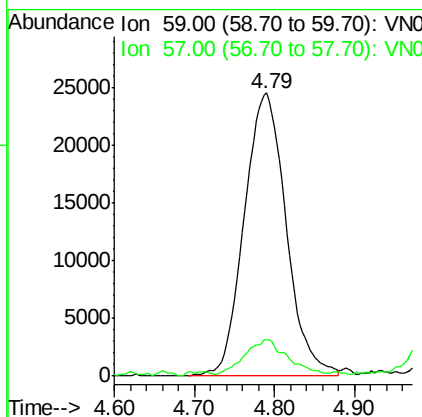
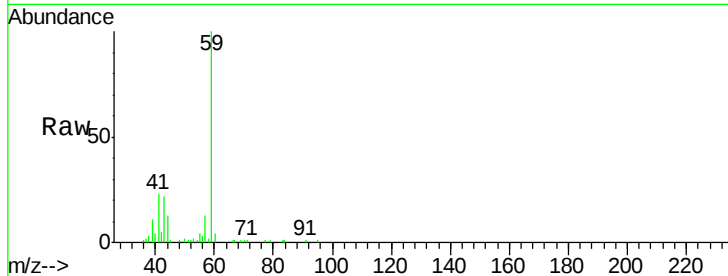
#11
Tert butyl alcohol
Concen: 136.584 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 59 Resp: 88171
Ion Ratio Lower Upper
59 100
57 11.8 9.1 13.7

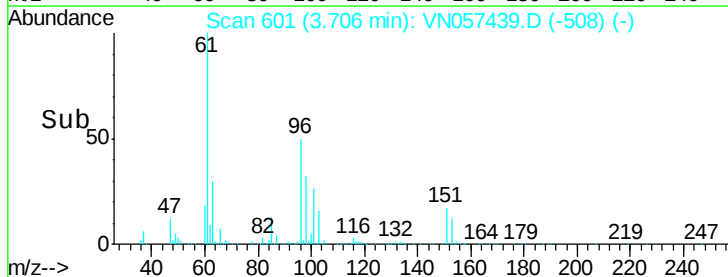
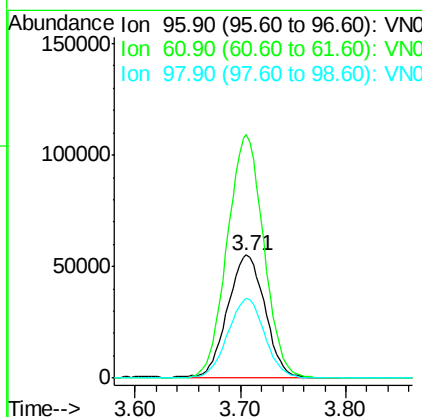
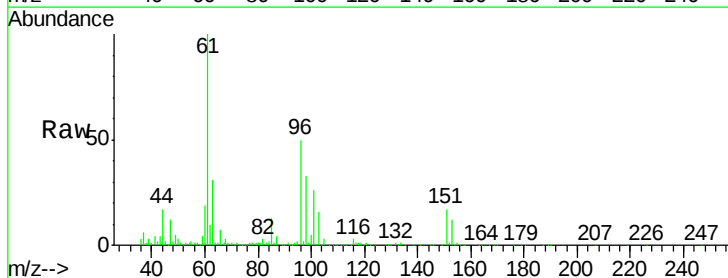
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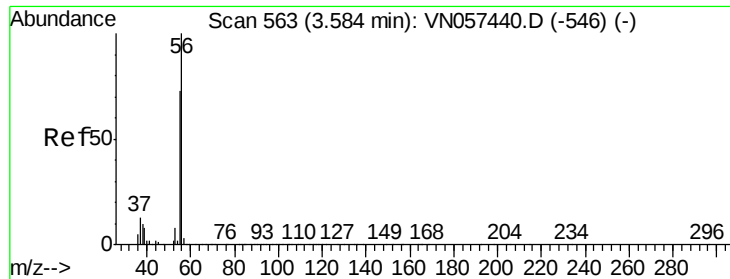
MMDadoda
8/23/2019 2:40:05 PM



#12
1,1-Dichloroethene
Concen: 34.942 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 96 Resp: 136170
Ion Ratio Lower Upper
96 100
61 197.6 155.3 232.9
98 64.2 50.2 75.2





#13

Acrolein

Concen: 175.698 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 78147

Ion Ratio Lower Upper

56 100

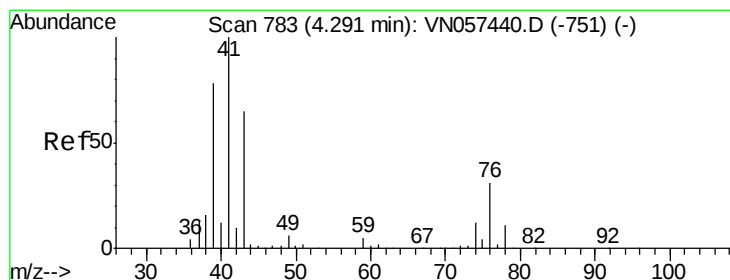
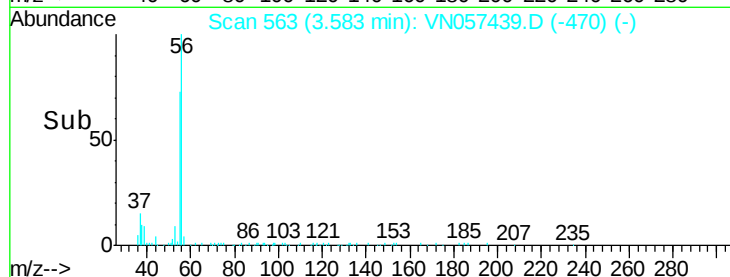
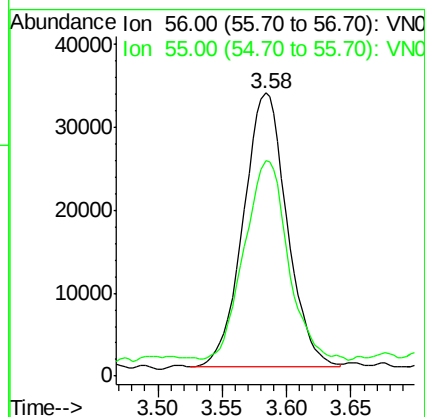
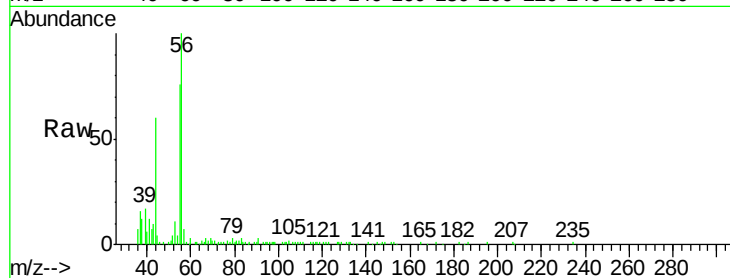
55 72.2 59.0 88.4

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 29.973 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

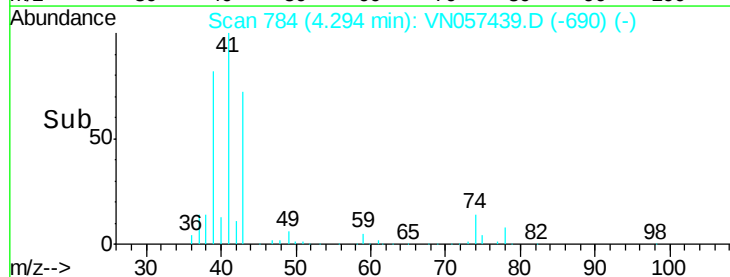
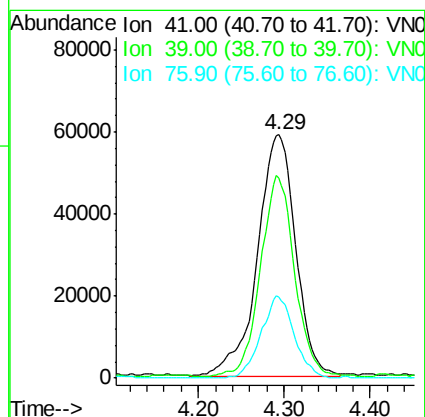
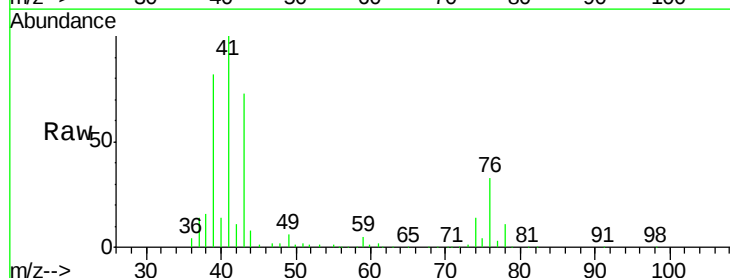
Tgt Ion: 41 Resp: 181364

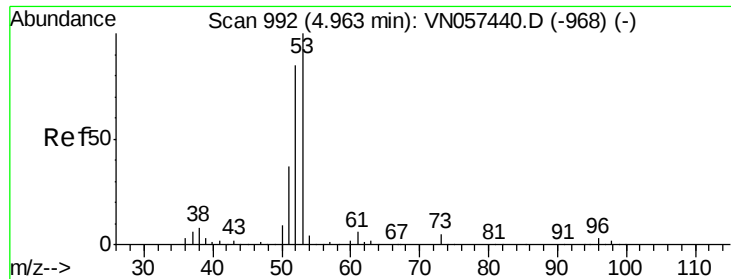
Ion Ratio Lower Upper

41 100

39 74.6 57.4 86.2

76 29.8 22.9 34.3





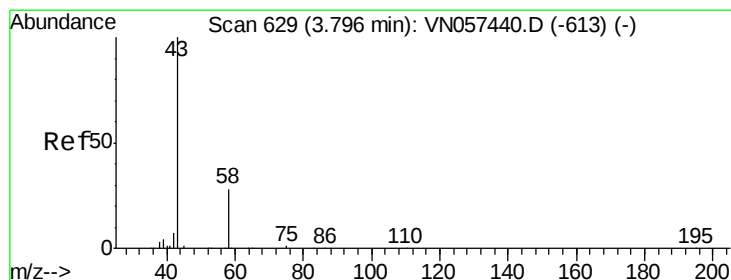
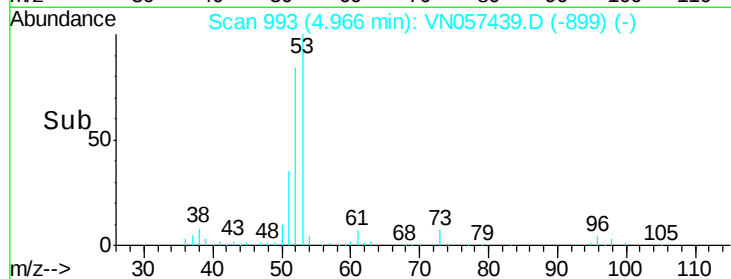
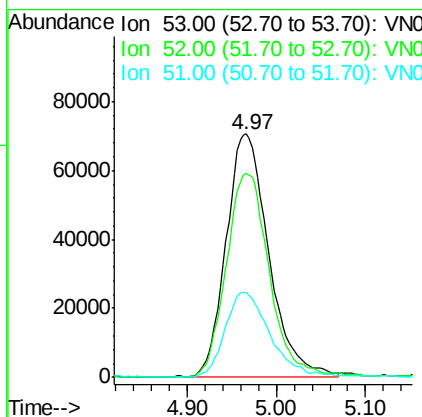
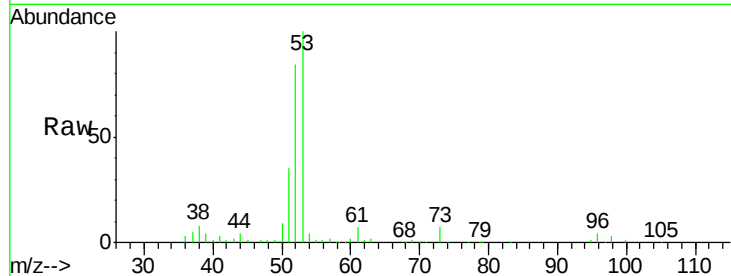
#15
 Acrylonitrile
 Concen: 133.460 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	53	Resp:	232218
Ion Ratio	Lower	Upper	
53	100		
52	84.9	67.0	100.6
51	36.7	29.9	44.9

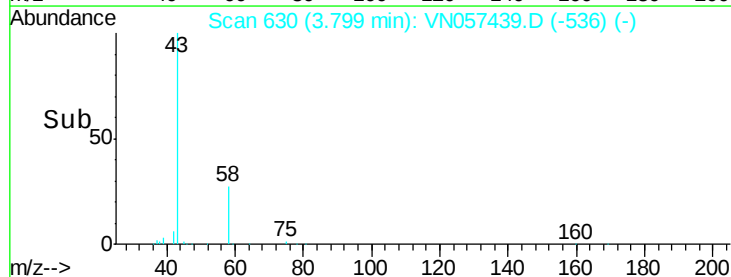
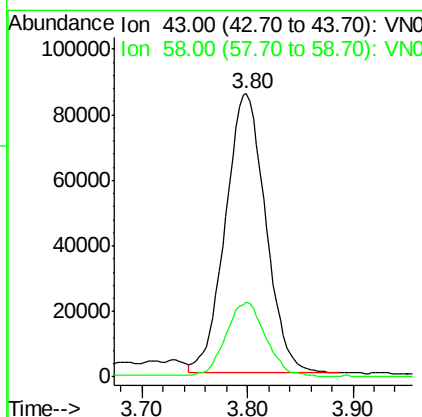
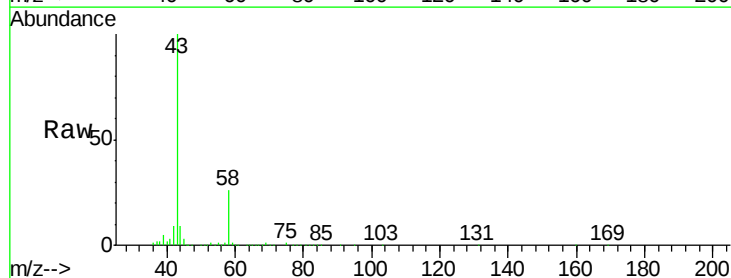
Manual Integrations
 APPROVED

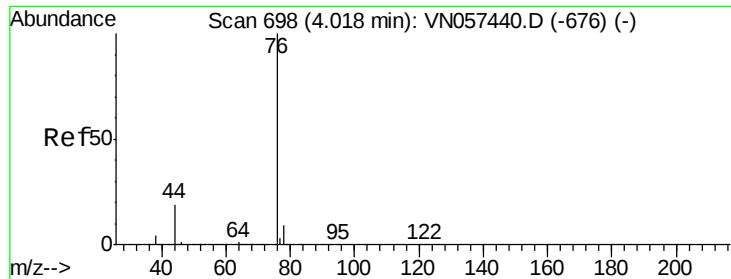
MMDadoda
 8/23/2019 2:40:05 PM



#16
 Acetone
 Concen: 143.147 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion:	43	Resp:	226025
Ion Ratio	Lower	Upper	
43	100		
58	26.3	22.1	33.1





#17

Carbon Disulfide

Concen: 25.370 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 245659

Ion Ratio Lower Upper

76 100

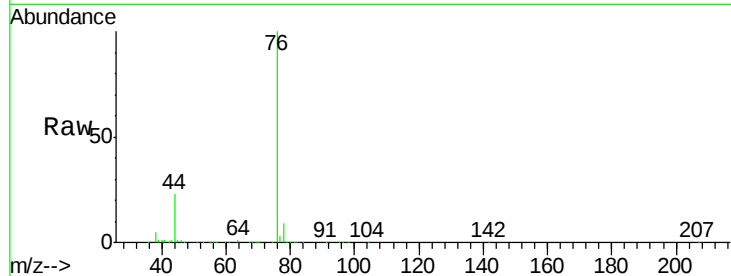
78 8.7 7.1 10.7

Manual Integrations

APPROVED

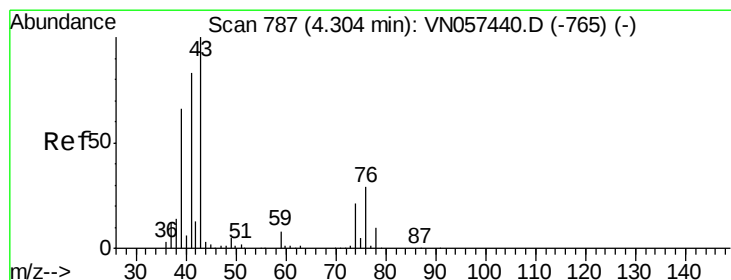
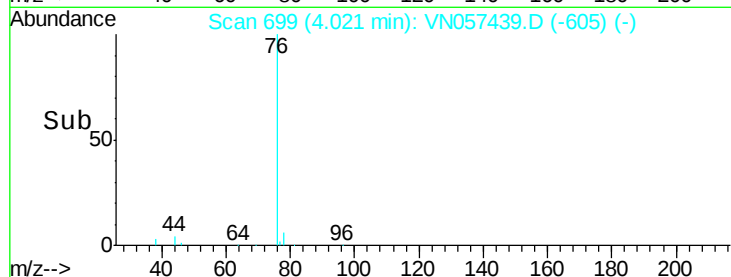
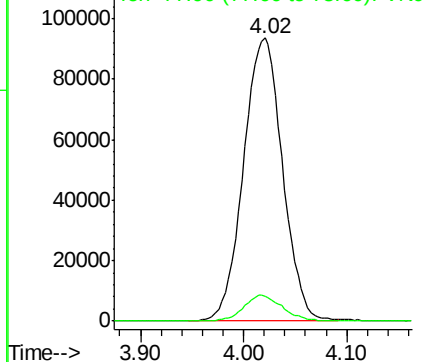
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.072 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN057439.D

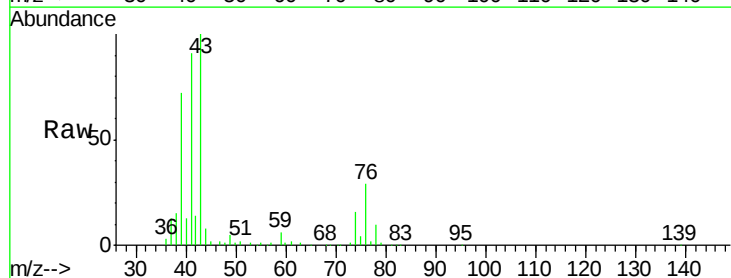
Acq: 22 Aug 2019 17:52

Tgt Ion: 43 Resp: 147631

Ion Ratio Lower Upper

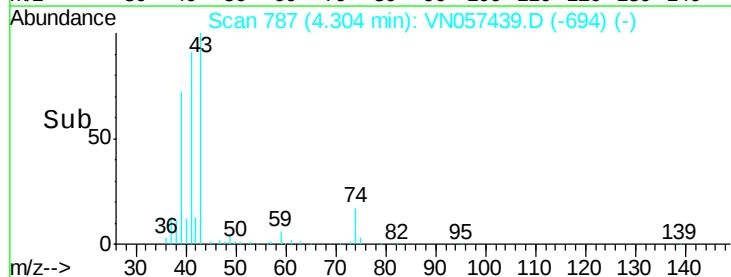
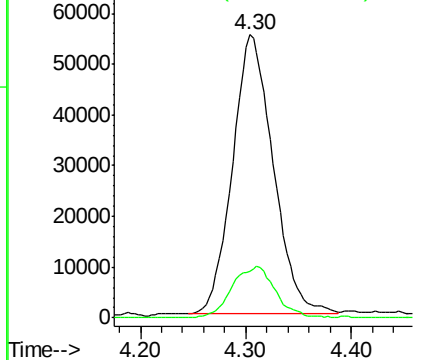
43 100

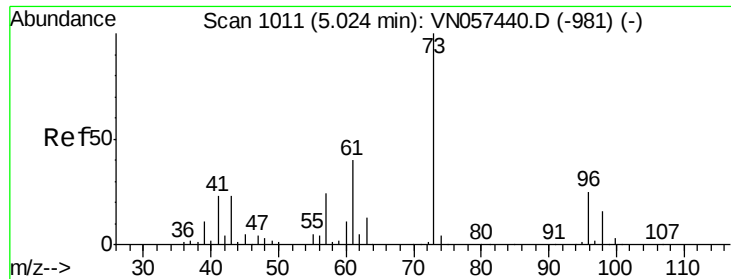
74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

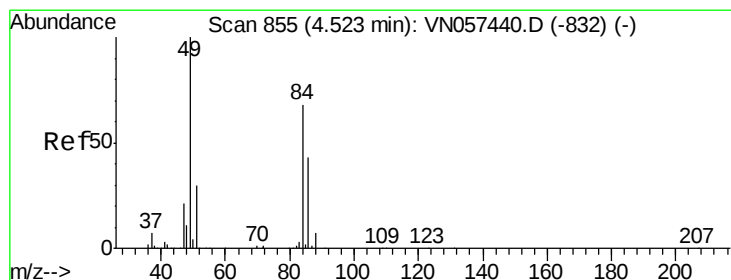
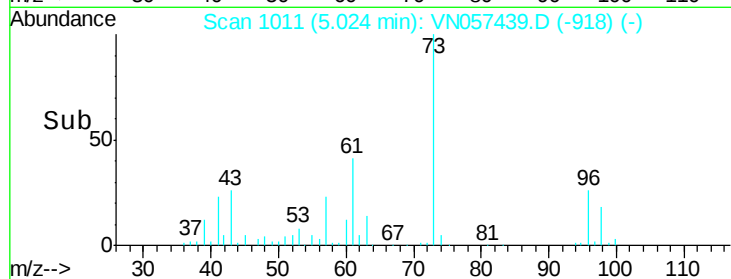
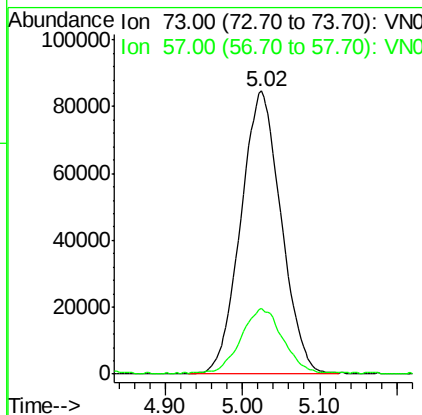
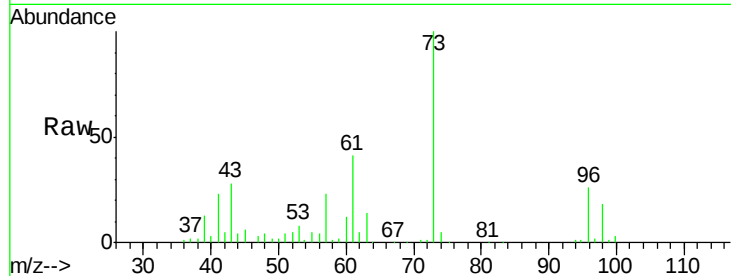
Methyl tert-butyl Ether
 Concen: 26.831 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.1	28.7

Manual Integrations
 APPROVED

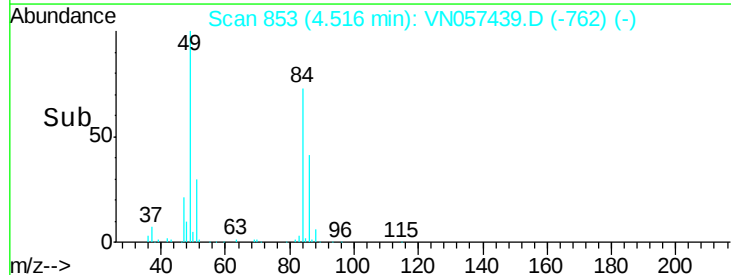
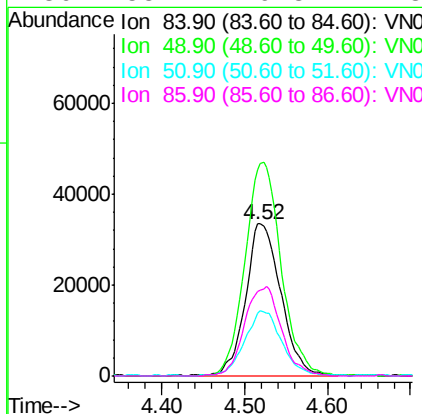
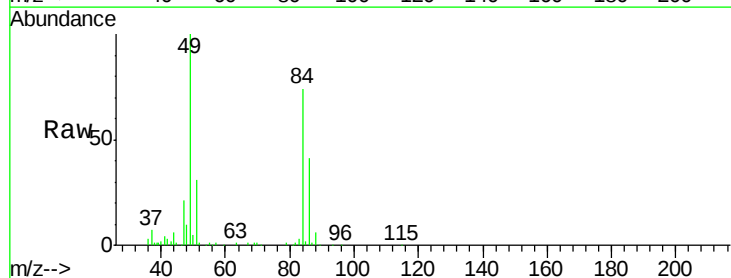
MMDadoda
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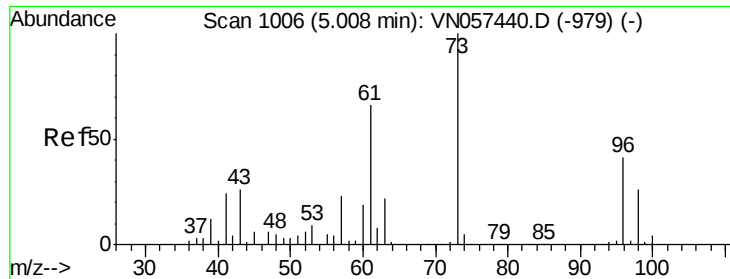


#20

Methylene Chloride
 Concen: 23.375 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	117.0	175.4
51	41.6	35.5	53.3
86	55.4	49.8	74.8





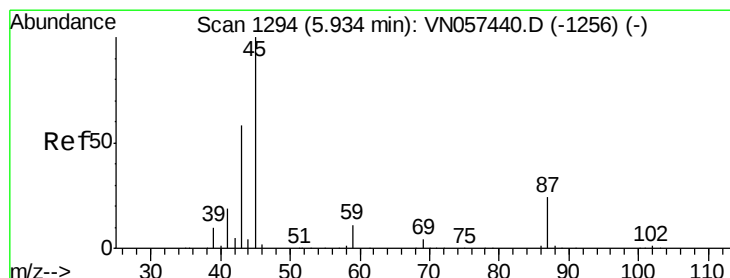
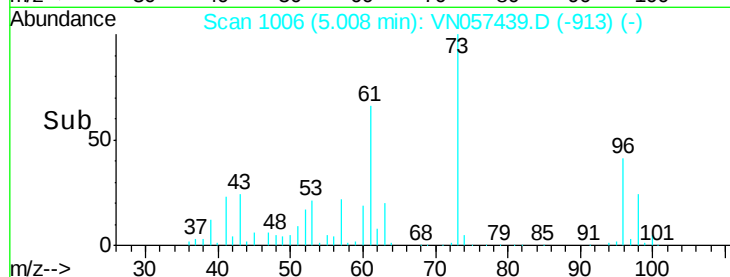
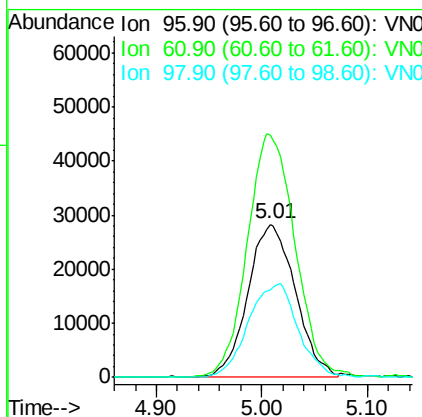
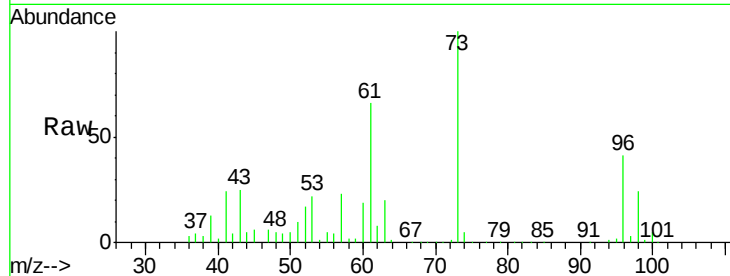
#21
trans-1,2-Dichloroethene
Concen: 23.282 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	127.9	191.9
98	57.5	50.6	76.0

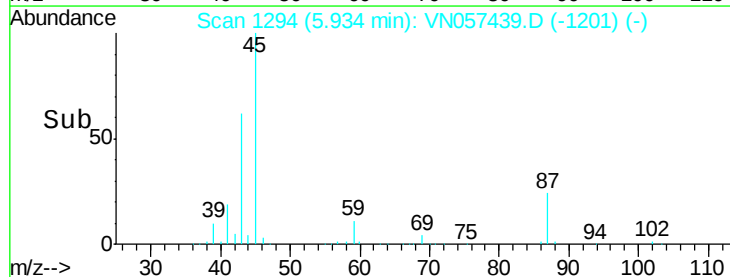
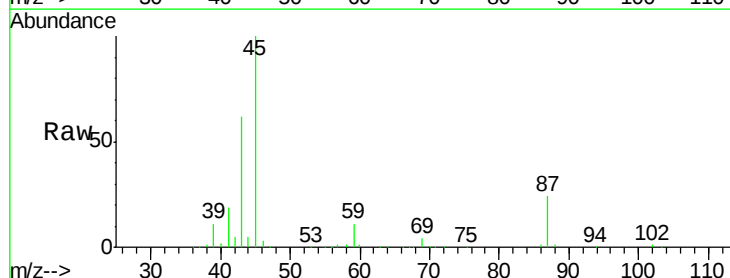
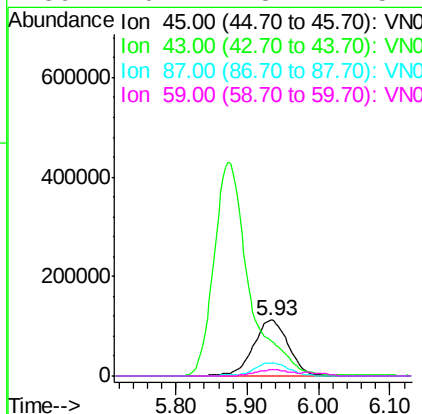
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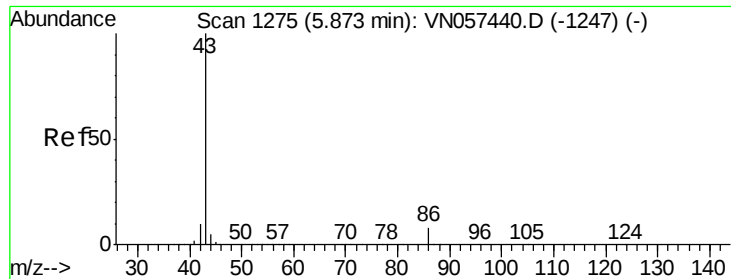
MMDadoda
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#22
Diisopropyl ether
Concen: 31.533 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	46.9	70.3
87	23.8	19.3	28.9
59	10.2	8.7	13.1





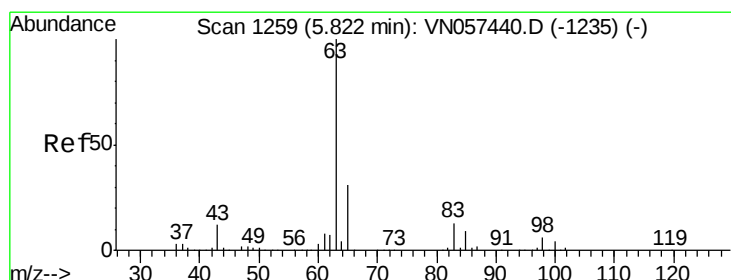
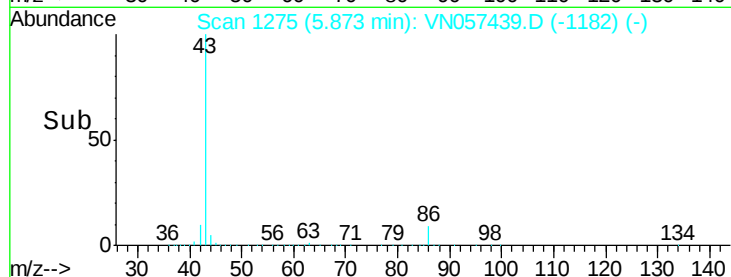
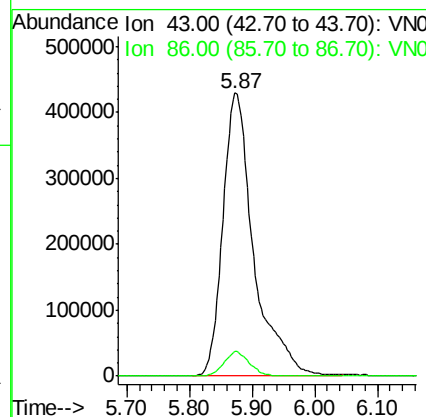
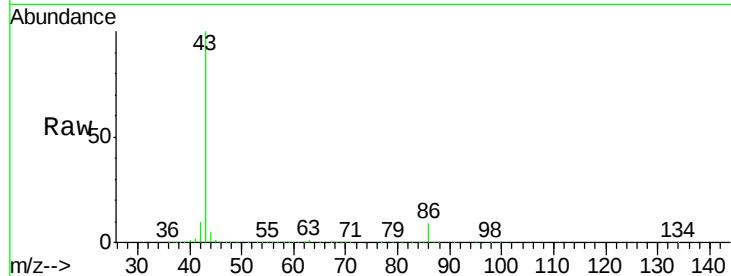
#23
 Vinyl Acetate
 Concen: 151.761 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion: 43 Resp: 1461471
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.7 10.1

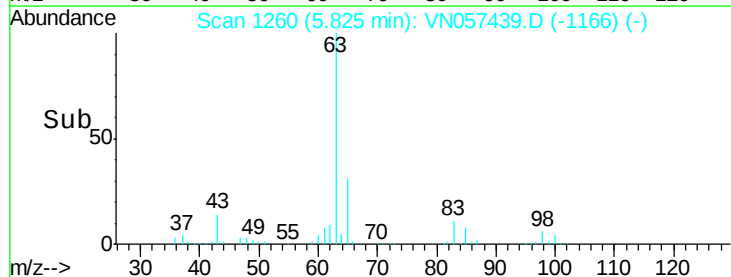
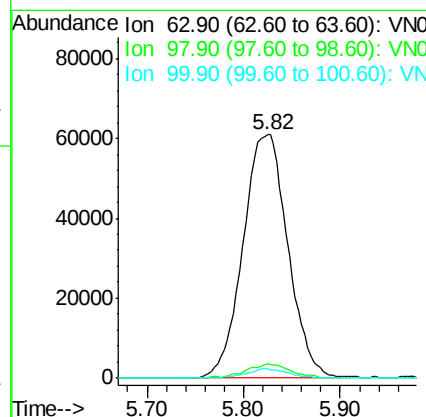
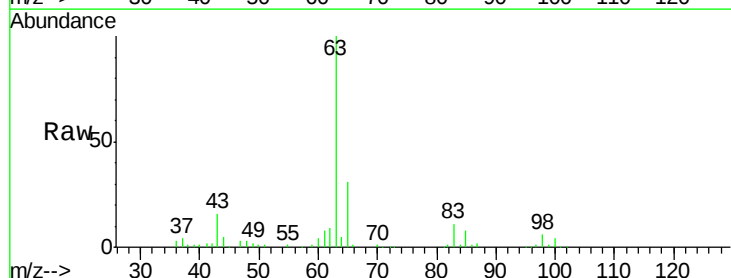
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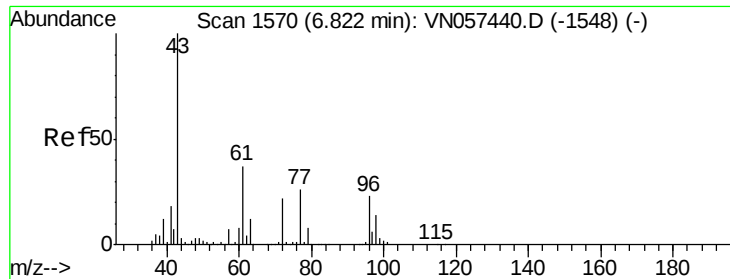
MMDadoda
 8/23/2019 2:40:05 PM



#24
 1,1-Dichloroethane
 Concen: 27.404 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 63 Resp: 196189
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.6 2.1 6.3





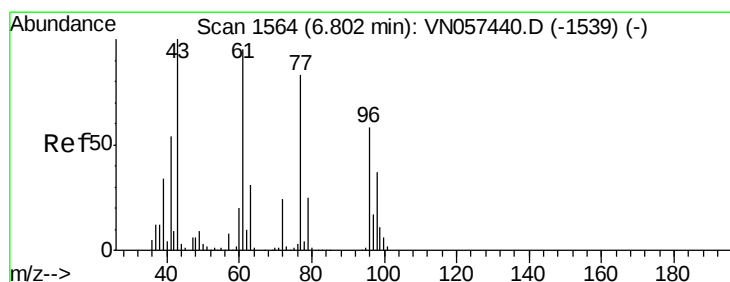
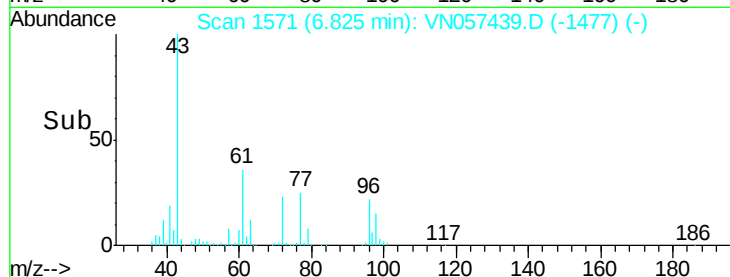
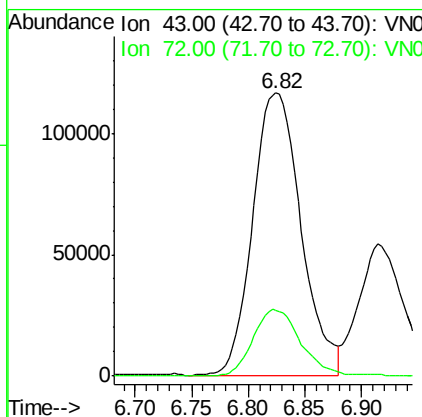
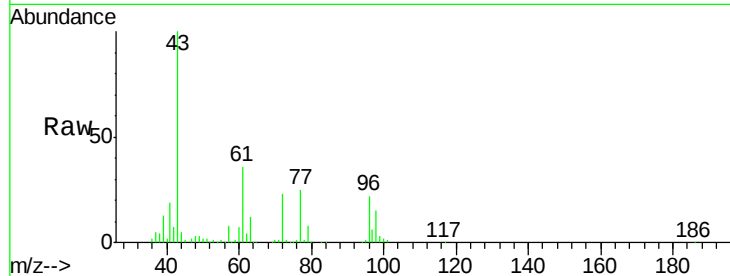
#25
2-Butanone
Concen: 148.422 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 344154
Ion Ratio Lower Upper
43 100
72 23.4 17.8 26.8

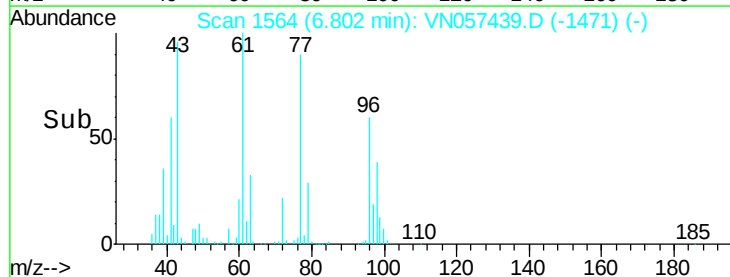
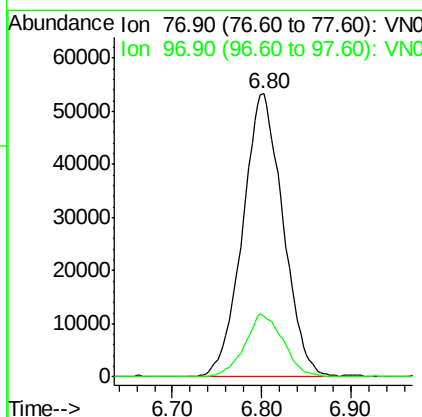
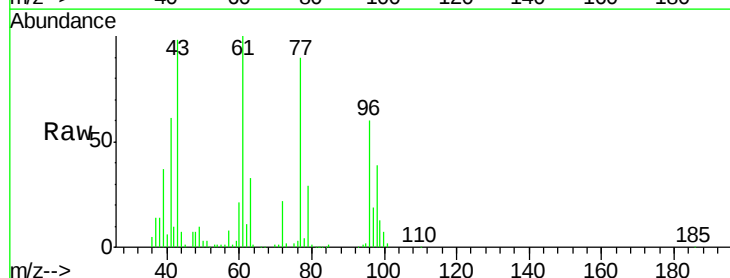
Manual Integrations
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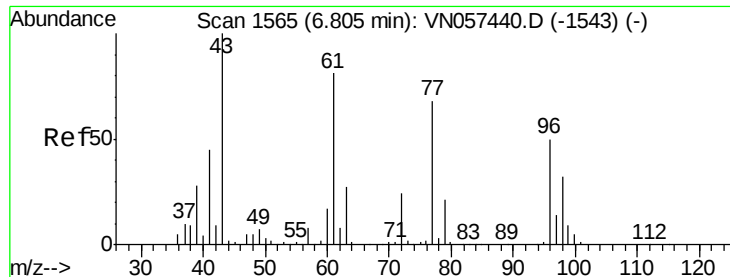
MMDadoda
8/23/2019 2:40:05 PM



#26
2,2-Dichloropropane
Concen: 28.763 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 77 Resp: 167804
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.3





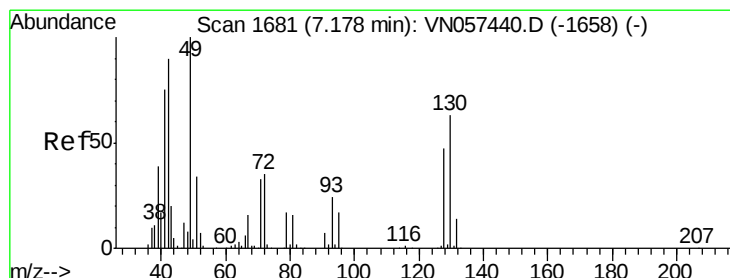
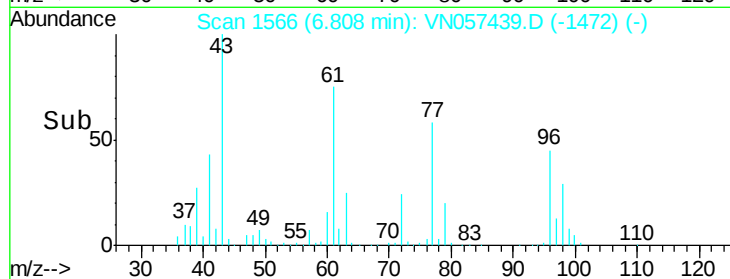
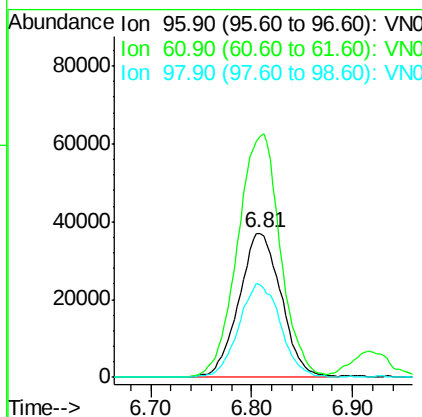
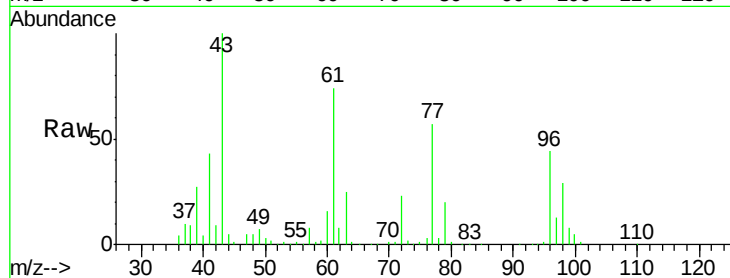
#27
 cis-1,2-Dichloroethene
 Concen: 23.723 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107362		
61	171.1	0.0	334.8	
98	64.6	0.0	127.4	

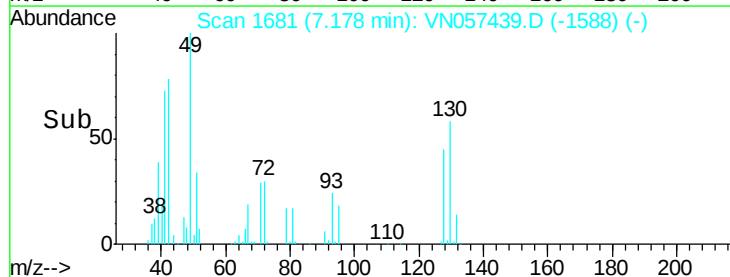
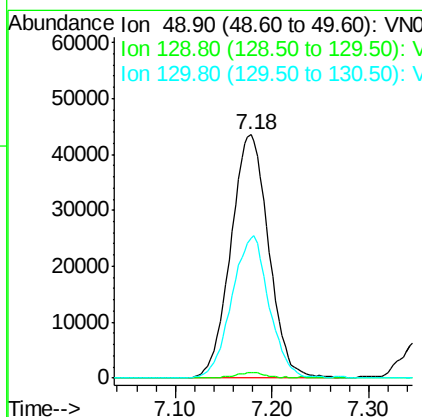
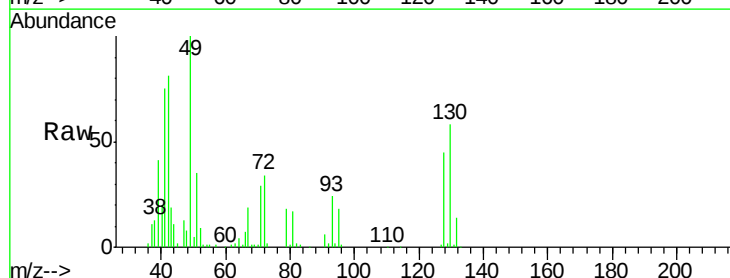
Manual Integrations
 APPROVED

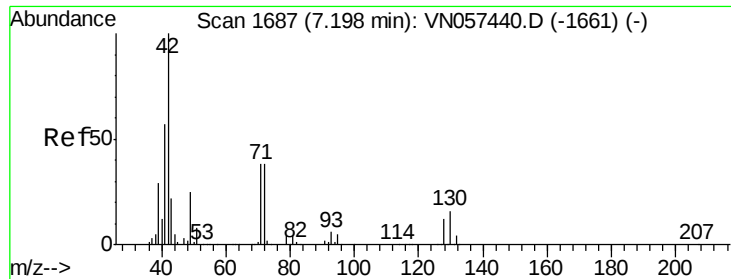
MMDadoda
 8/23/2019 2:40:05 PM



#28
 Bromochloromethane
 Concen: 34.711 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118295		
129	1.9	0.0	3.6	
130	57.4	48.6	72.8	





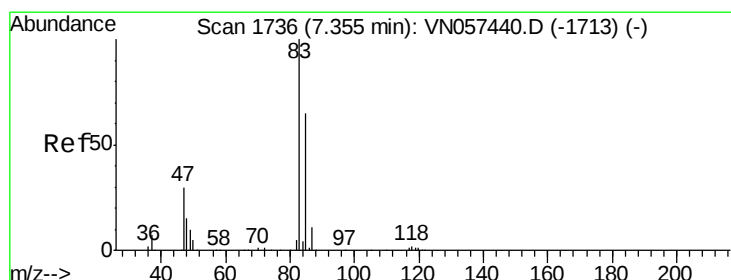
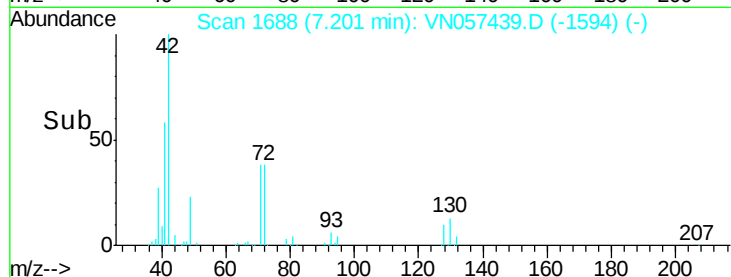
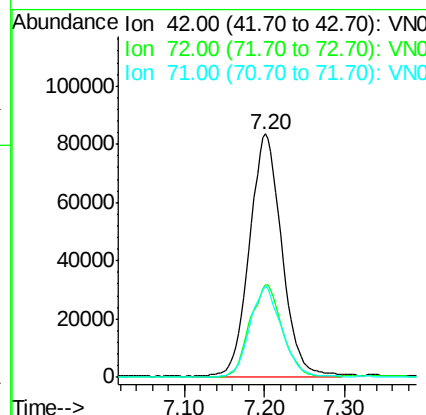
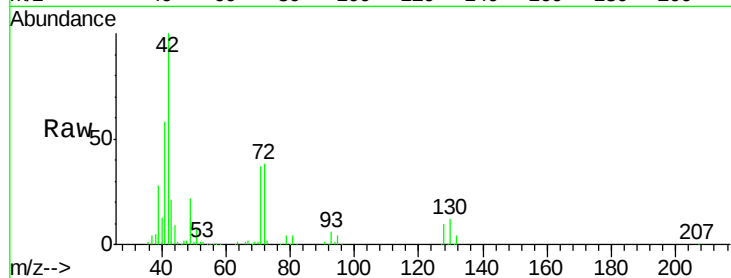
#29
Tetrahydrofuran
Concen: 153.065 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.1	45.1
71	36.9	28.8	43.2

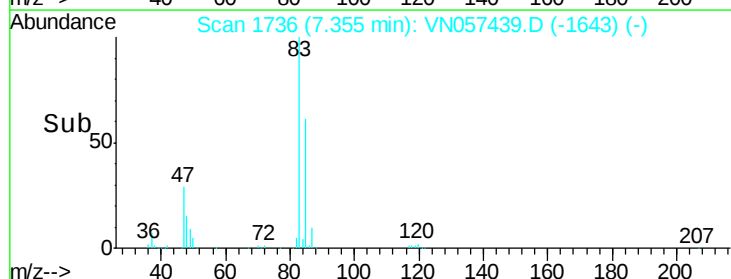
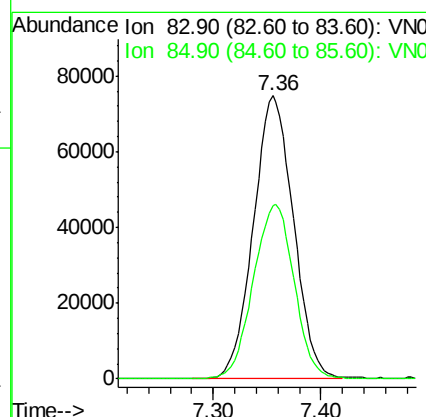
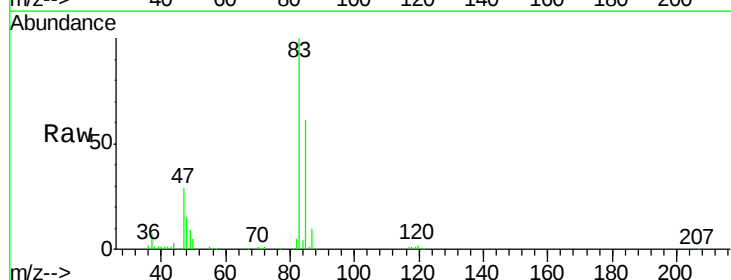
Manual Integrations
APPROVED

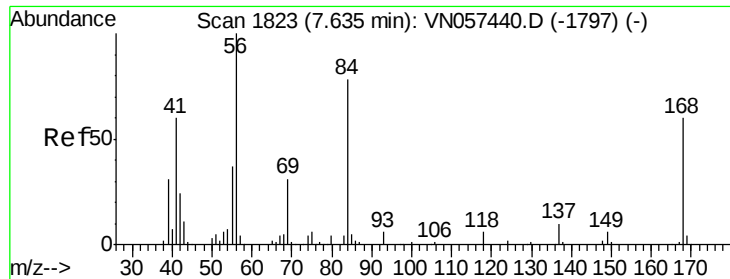
MMDadoda
8/23/2019 2:40:05 PM



#30
Chloroform
Concen: 26.009 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.9	77.9





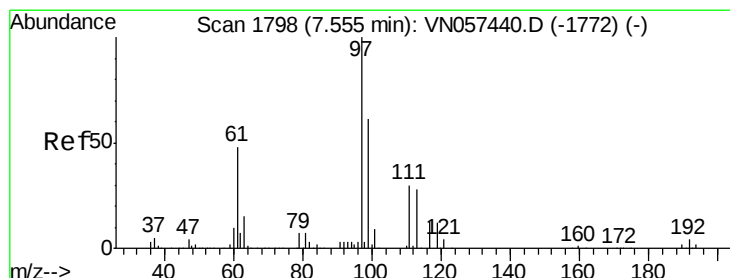
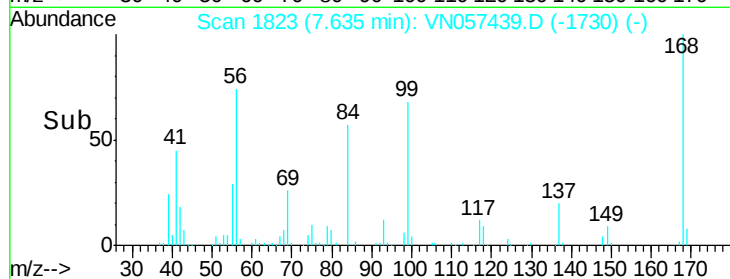
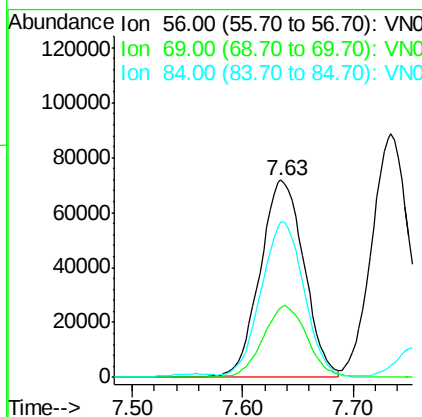
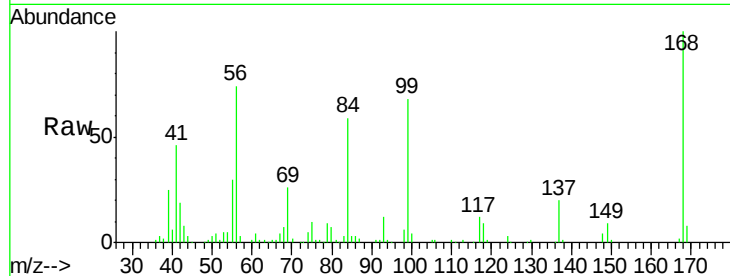
#31
Cyclohexane
Concen: 30.168 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	56	Resp:	196970
Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.0	37.6
84	77.0	62.5	93.7

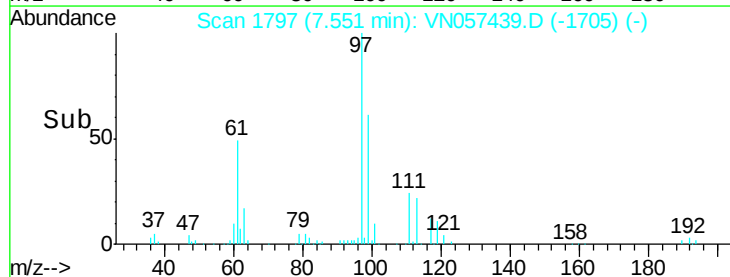
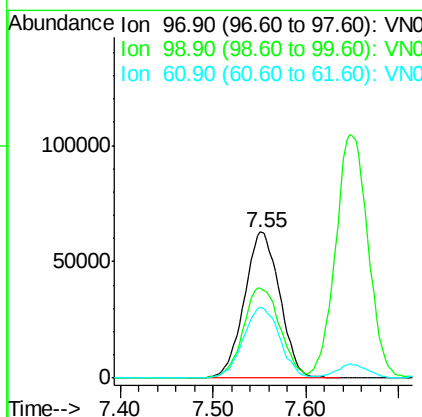
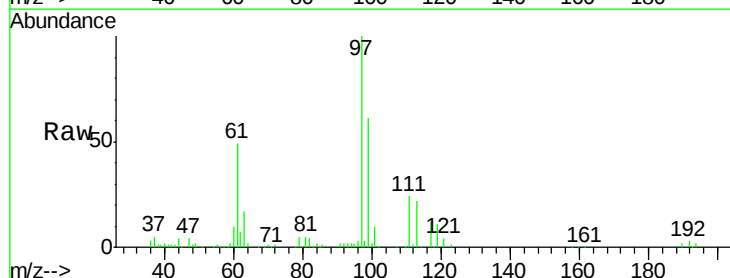
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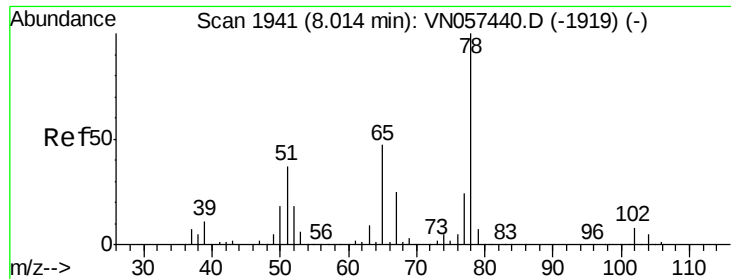
MMDadoda
8/23/2019 2:40:05 PM



#32
1,1,1-Trichloroethane
Concen: 26.809 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion:	97	Resp:	167117
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	49.8	39.8	59.6





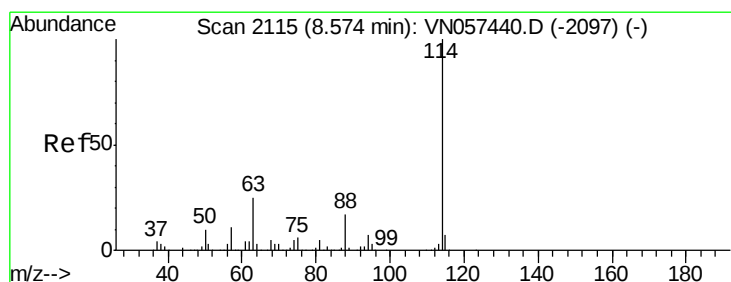
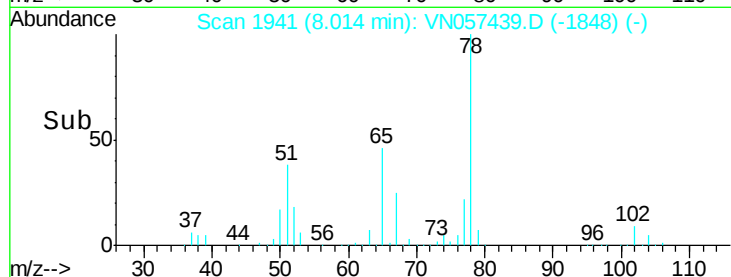
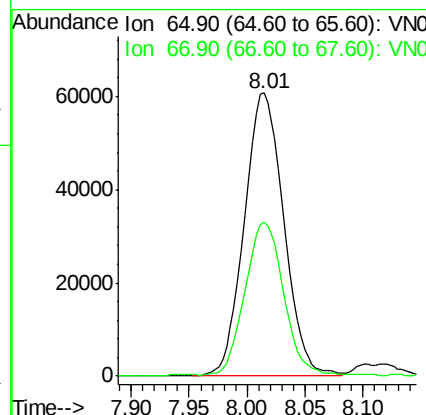
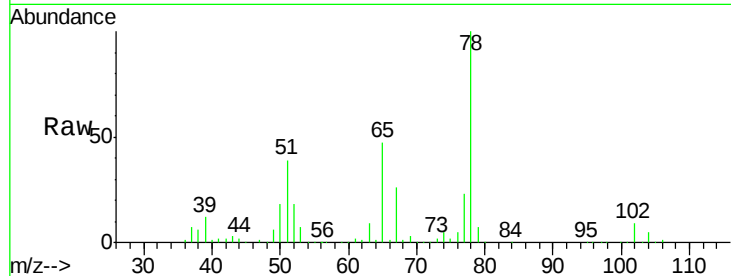
#33
 1,2-Dichloroethane-d4
 Concen: 30.065 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144556		
67	52.2	0.0	103.8	

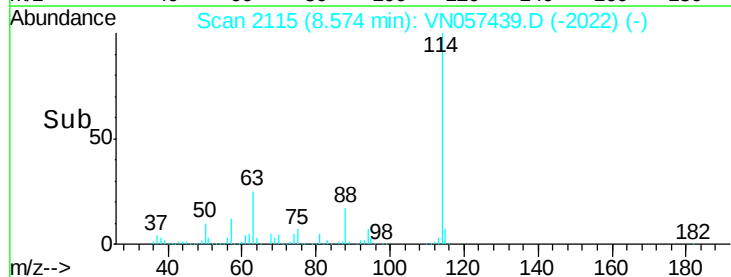
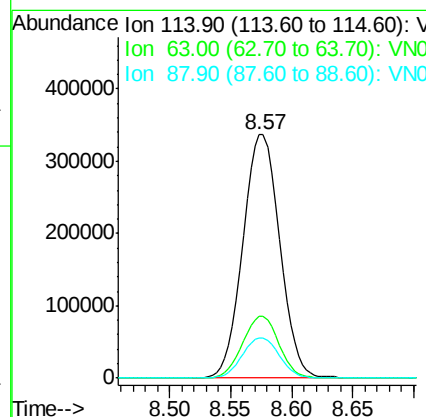
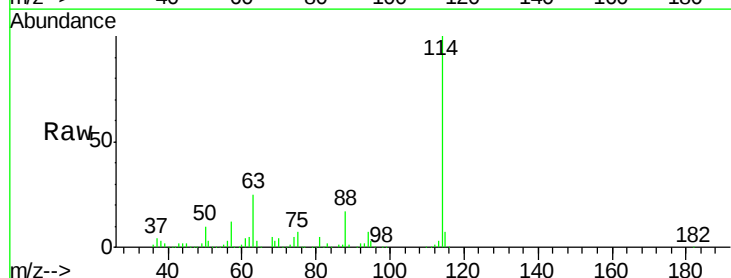
Manual Integrations
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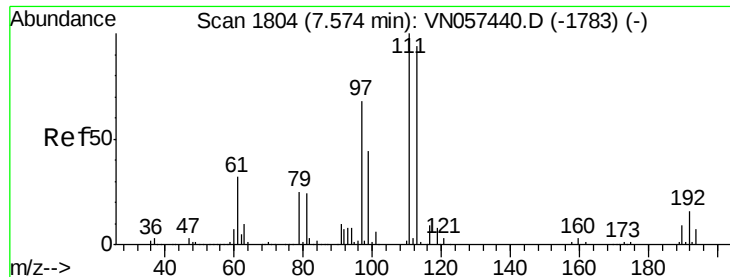
MMDadoda
 8/23/2019 2:40:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	704724		
63	25.3	0.0	50.2	
88	16.6	0.0	34.6	





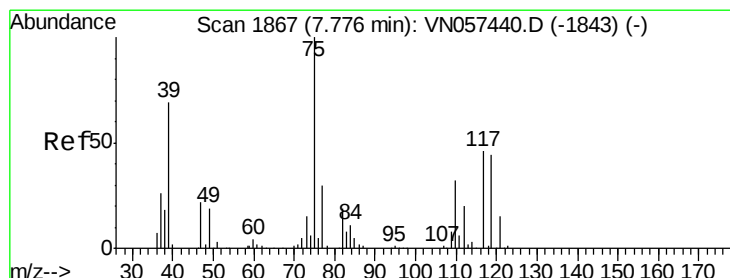
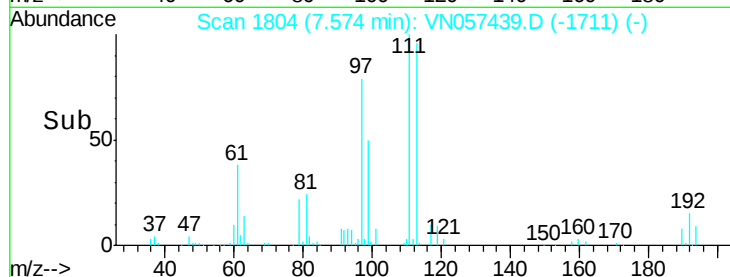
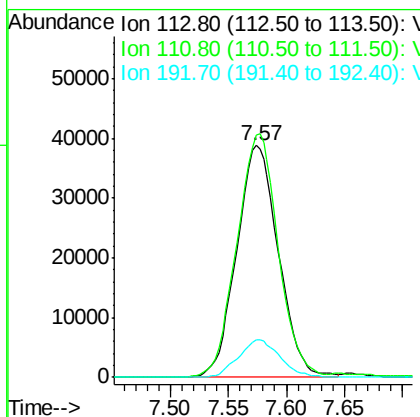
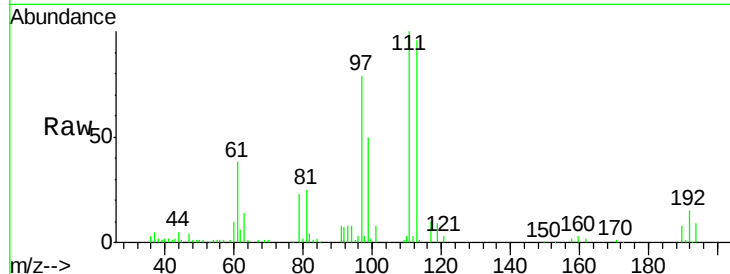
#35
 Dibromofluoromethane
 Concen: 20.876 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	97267		
111	104.0	83.8	125.6	
192	16.1	13.5	20.3	

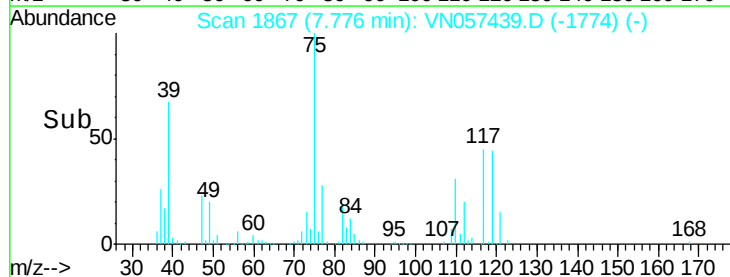
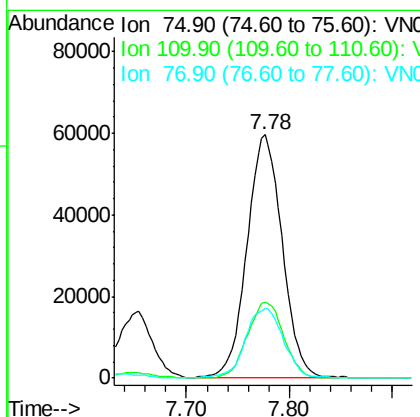
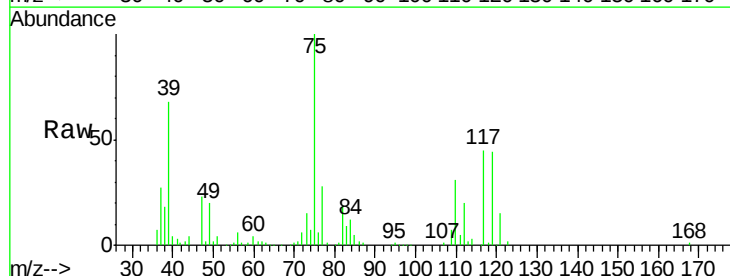
Manual Integrations
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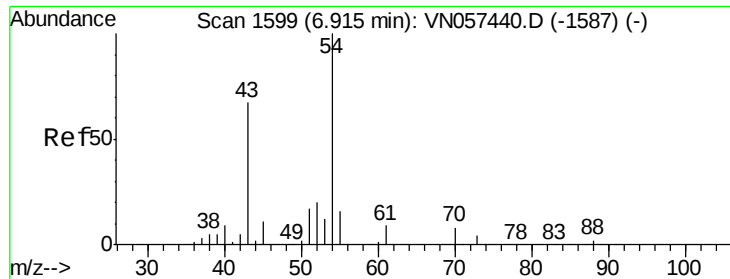
MMDadoda
 8/23/2019 2:40:05 PM



#36
 1,1-Dichloropropene
 Concen: 22.339 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141704		
110	32.1	16.1	48.3	
77	31.0	24.8	37.2	





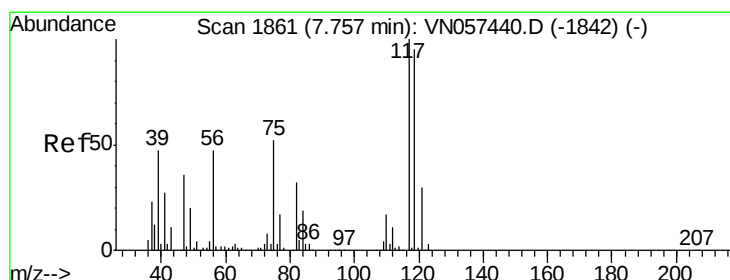
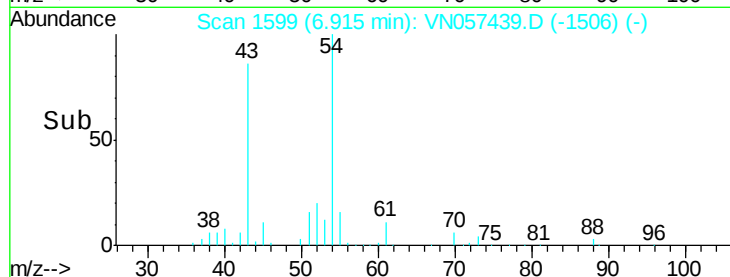
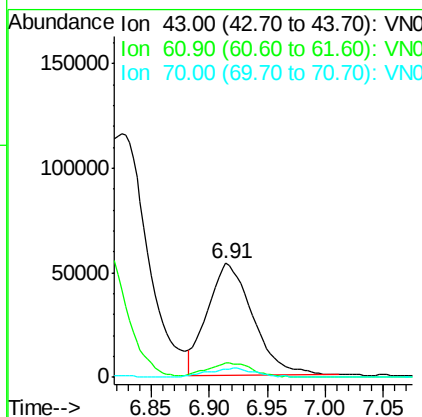
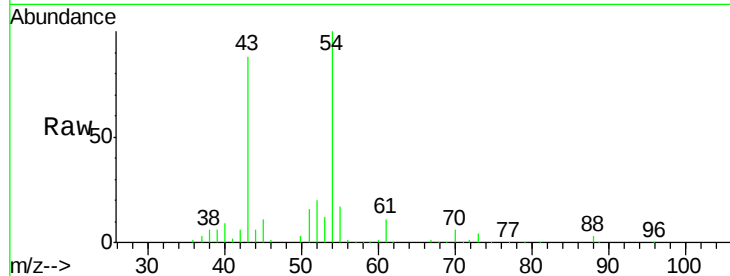
#37
Ethyl Acetate
Concen: 27.357 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.9	14.9
70	8.7	7.0	10.6

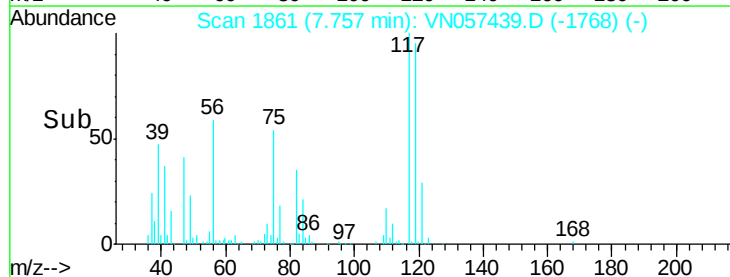
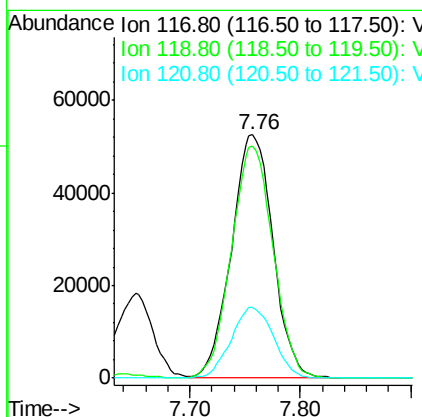
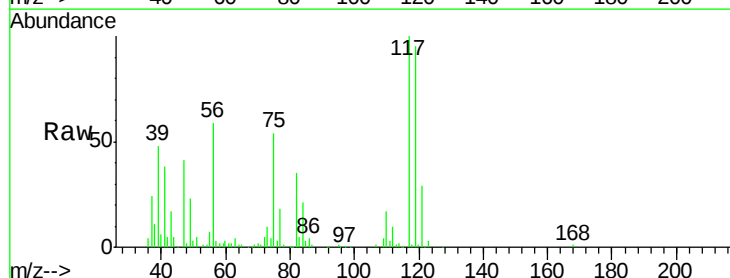
Manual Integrations
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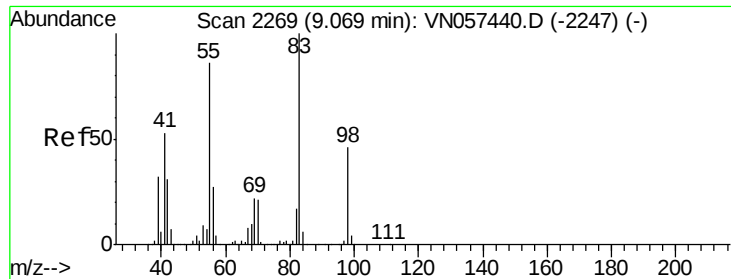
MMDadoda
8/23/2019 2:40:05 PM



#38
Carbon Tetrachloride
Concen: 21.038 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.4
121	29.0	23.8	35.6





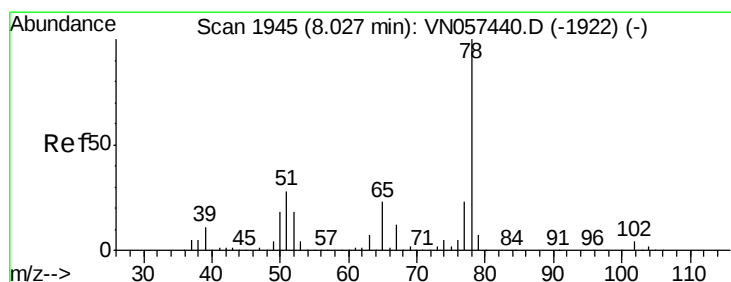
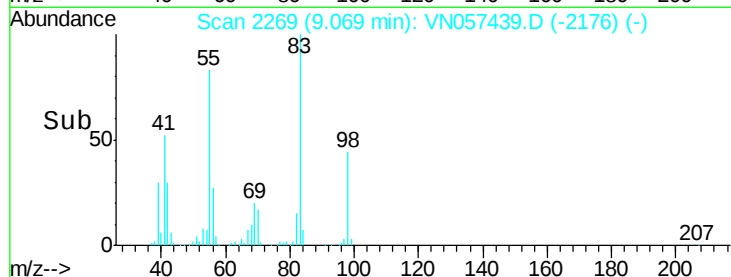
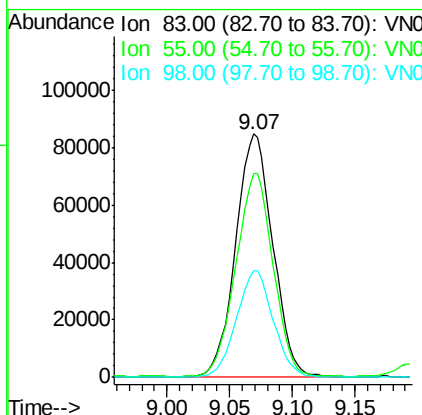
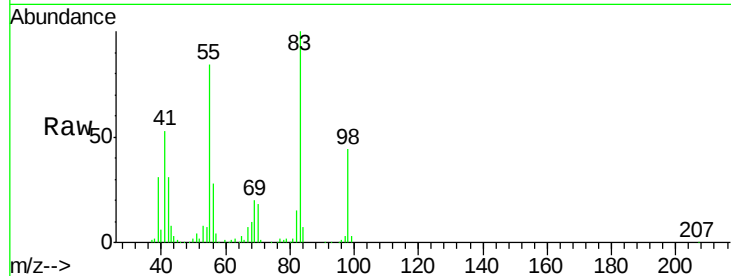
#39
Methvlcvclohexane
Concen: 23.390 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	68.6	102.8
98	43.7	36.6	54.8

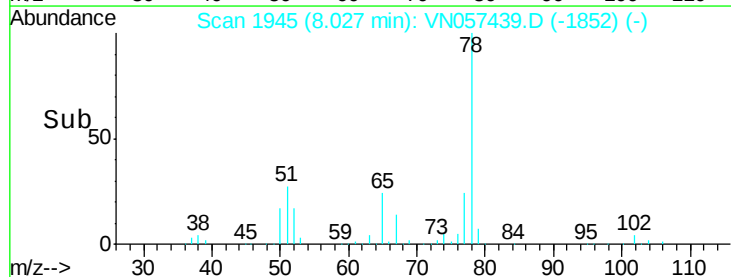
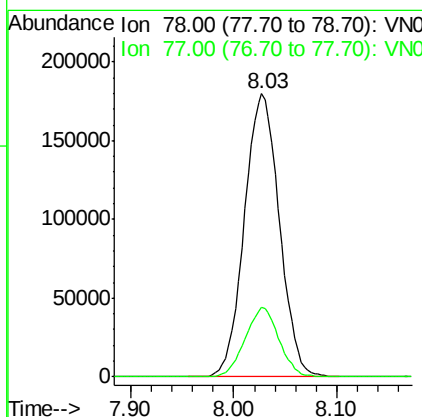
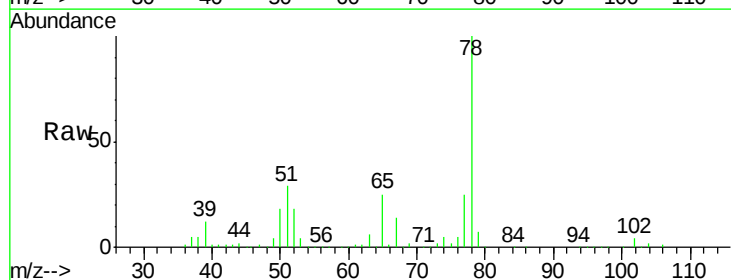
Manual Integrations
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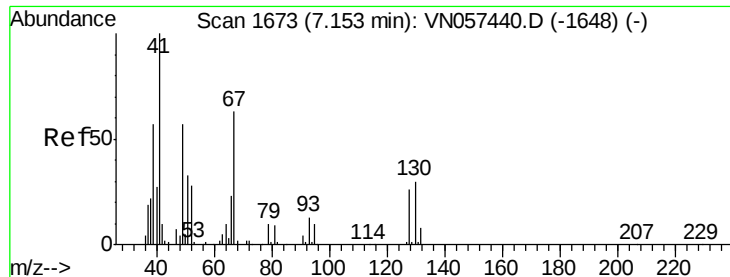
MMDadoda
8/23/2019 2:40:05 PM



#40
Benzene
Concen: 21.962 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.5	27.7





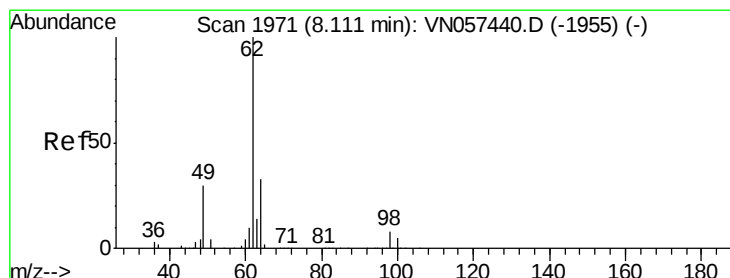
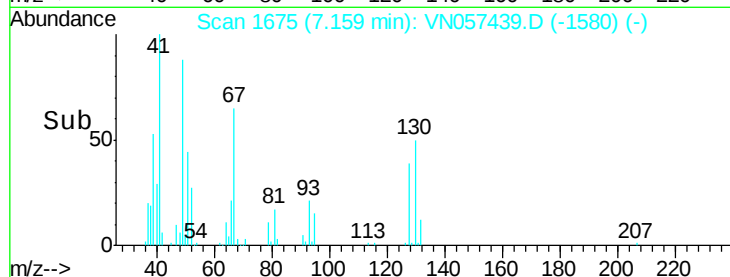
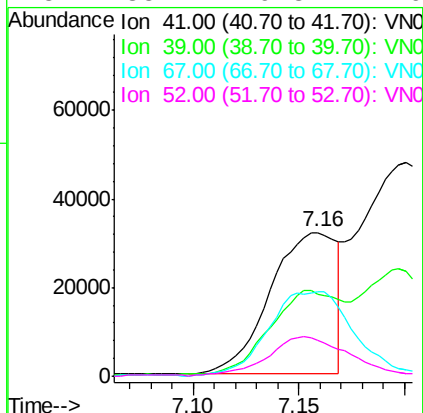
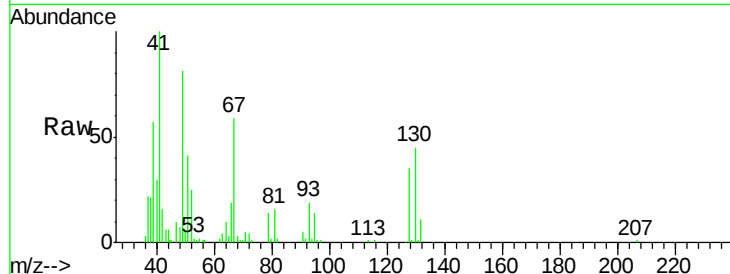
#41
Methacrylonitrile
Concen: 28.661 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	69800
Ion Ratio	Lower	Upper	
41	100		
39	63.0	53.6	80.4
67	77.8	65.4	98.2
52	35.1	29.8	44.6

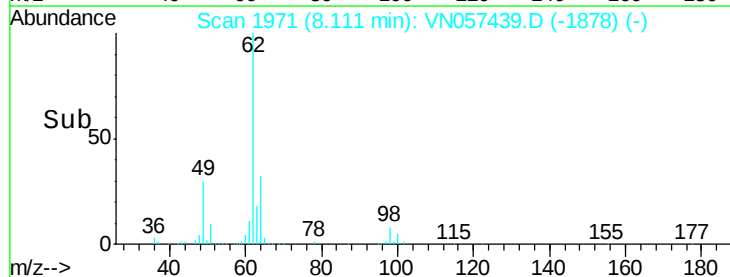
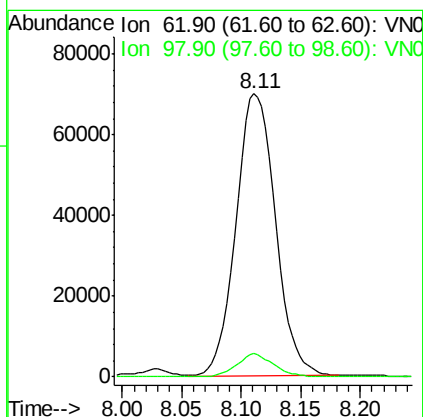
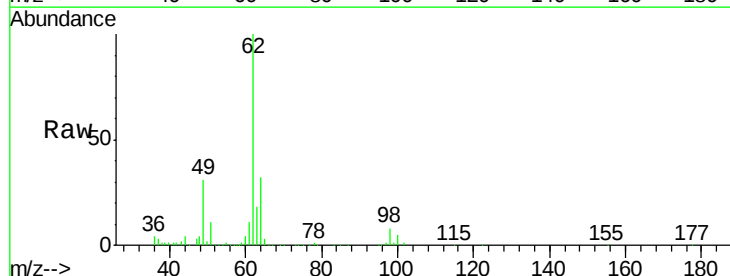
Manual Integrations
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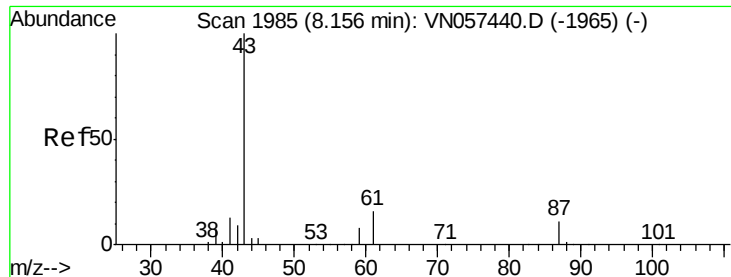
MMDadoda
8/23/2019 2:40:05 PM



#42
1,2-Dichloroethane
Concen: 24.634 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	62	Resp	161359
Ion Ratio	Lower	Upper	
62	100		
98	7.1	0.0	15.4





#43

Isopropyl Acetate

Concen: 22.485 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

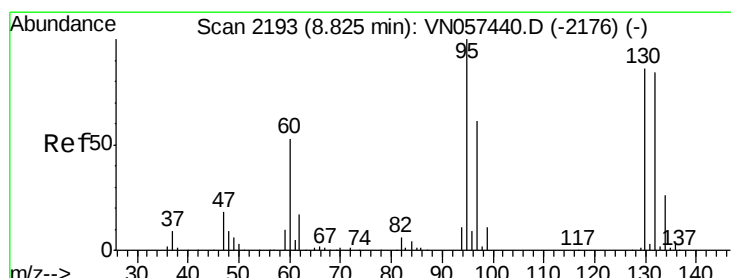
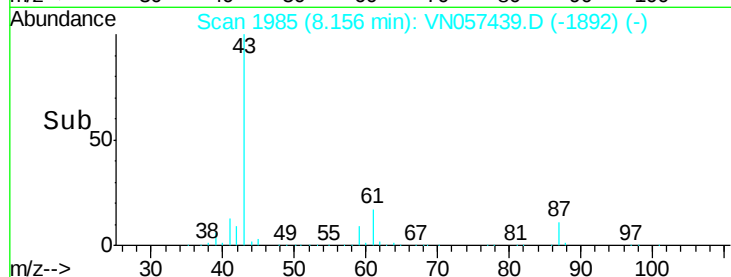
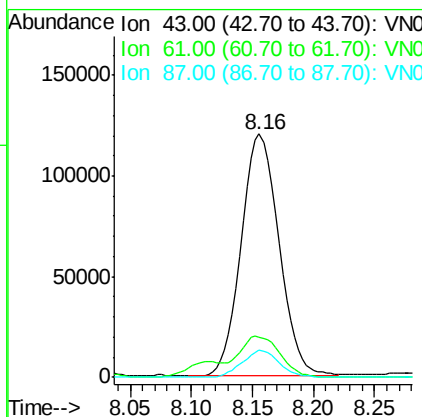
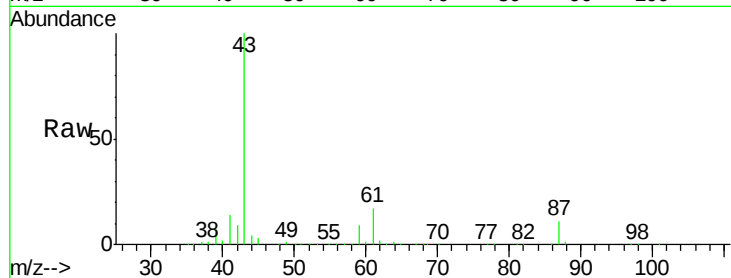
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	258037
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	11.1	8.6	12.8

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#44

Trichloroethene

Concen: 18.230 ug/l

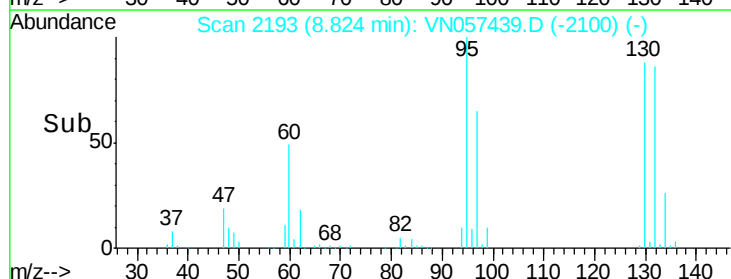
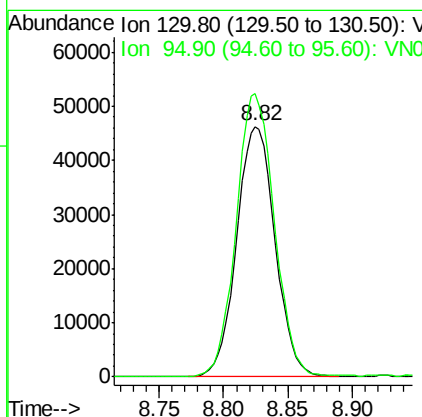
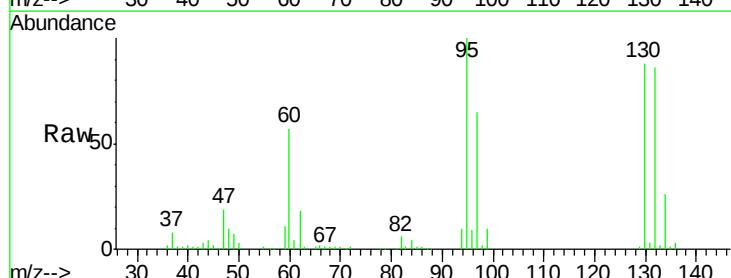
RT: 8.82 min Scan# 2193

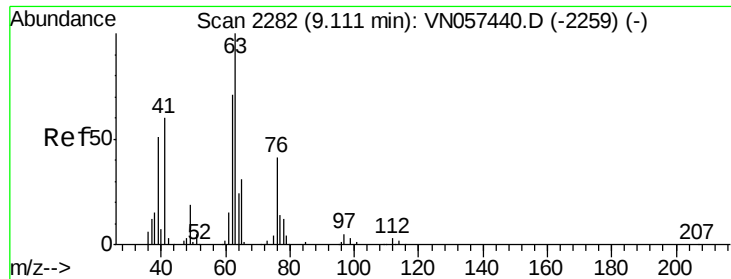
Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Tgt Ion:	130	Resp:	95949
Ion	Ratio	Lower	Upper
130	100		
95	113.1	0.0	231.6





#45

1,2-Dichloropropane

Concen: 23.439 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 118099

Ion Ratio Lower Upper

63 100

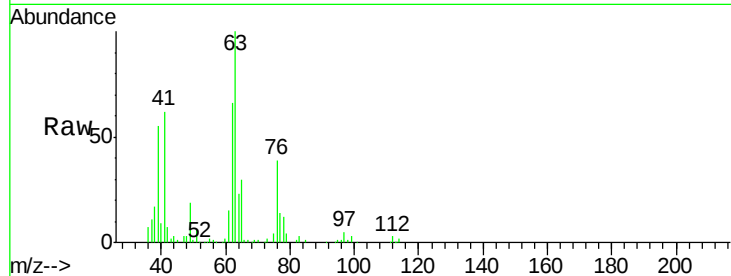
65 30.0 24.7 37.1

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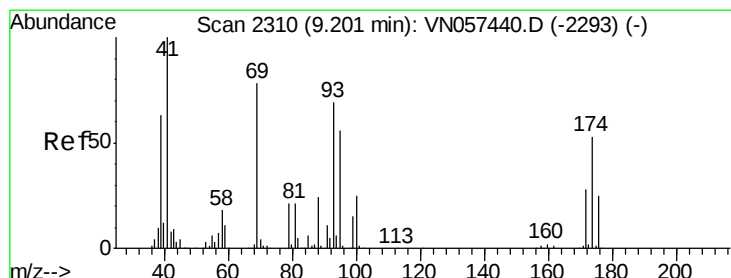
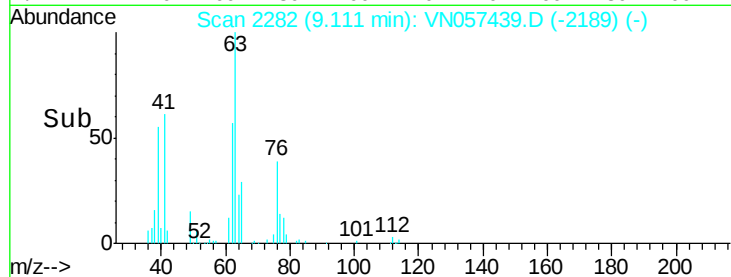
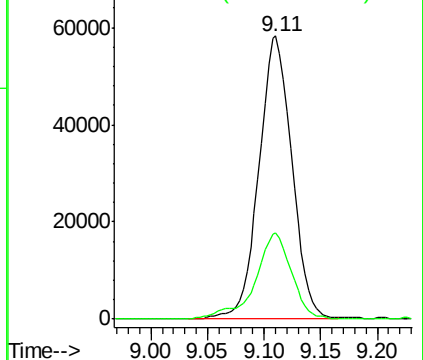
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.432 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

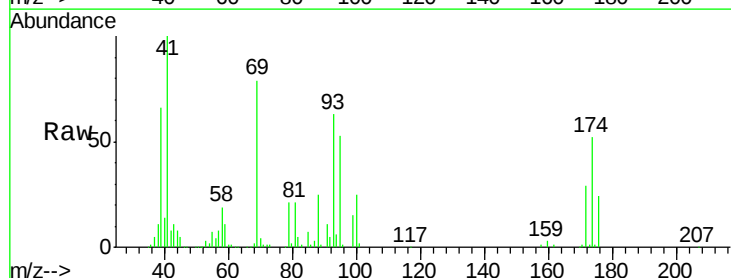
Tgt Ion: 93 Resp: 71306

Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

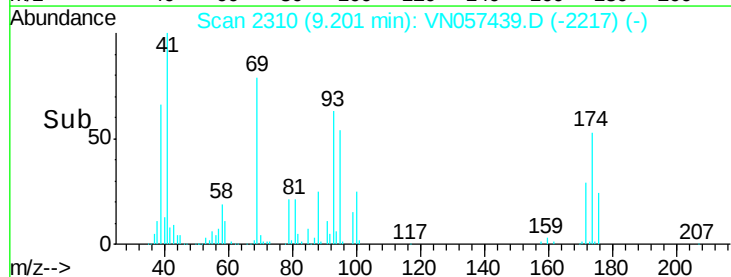
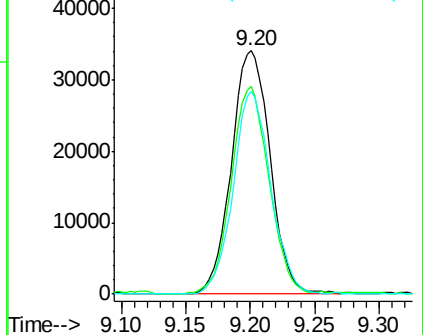
174 80.3 62.3 93.5

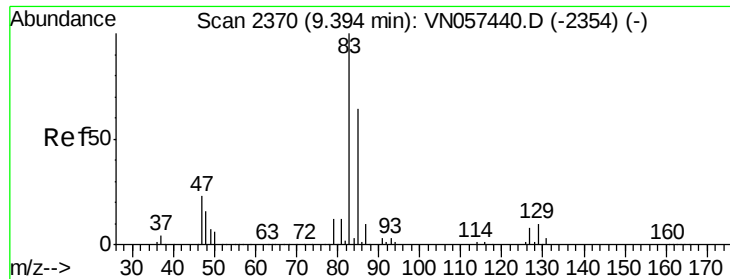


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 23.030 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

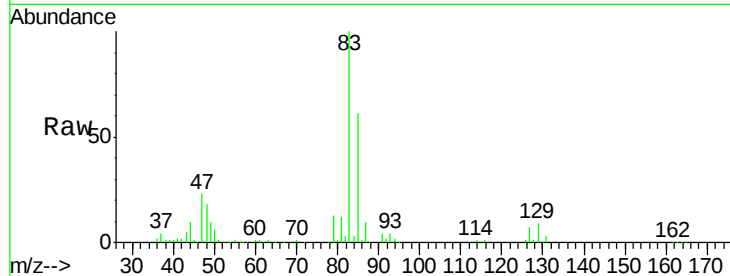
ClientSampled :

VSTDIC020

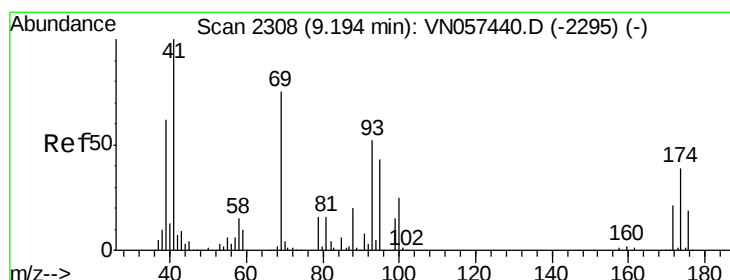
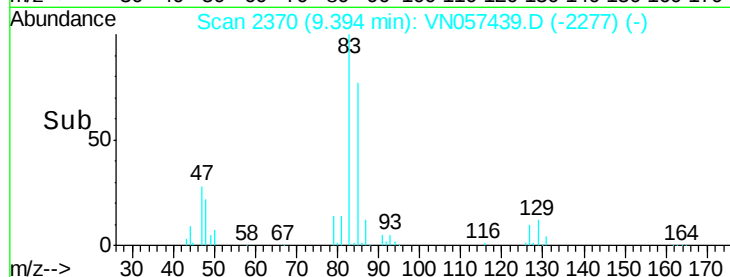
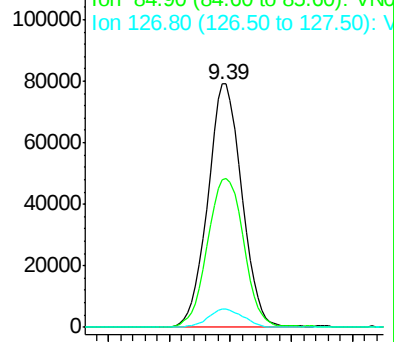
Tot Ion:	83	Resp:	153021
Ion Ratio	Lower	Upper	
83	100		
85	60.6	51.2	76.8
127	7.5	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057440.D (-2354) (-)



#48

Methyl methacrylate

Concen: 26.778 ug/l

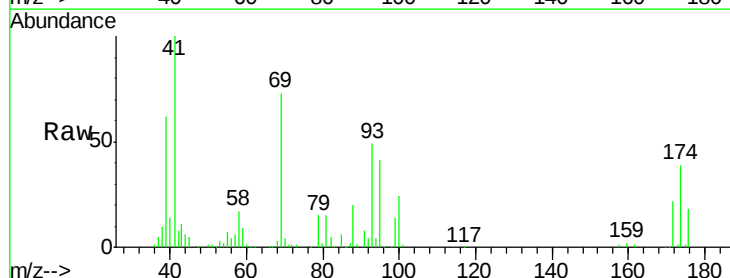
RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

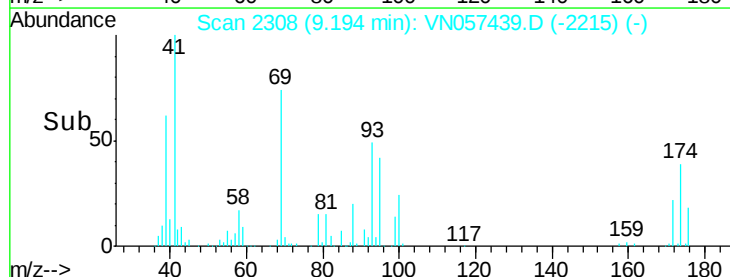
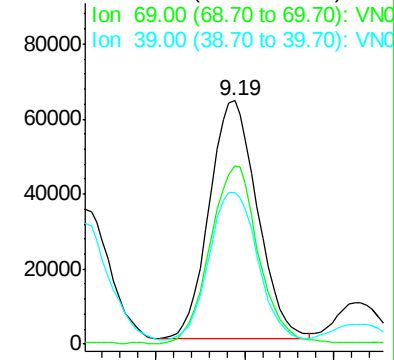
Lab File: VN057439.D

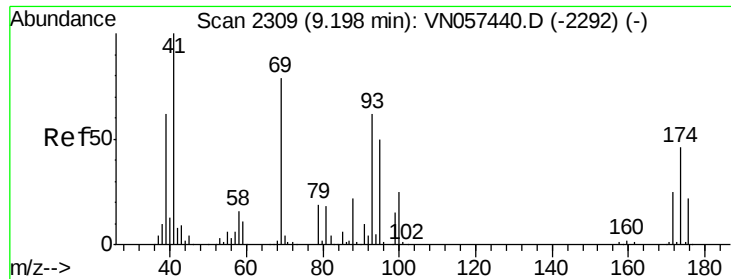
Acq: 22 Aug 2019 17:52

Tgt Ion:	41	Resp:	119739
Ion Ratio	Lower	Upper	
41	100		
69	74.3	59.3	88.9
39	64.5	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VN057440.D (-2295) (-)





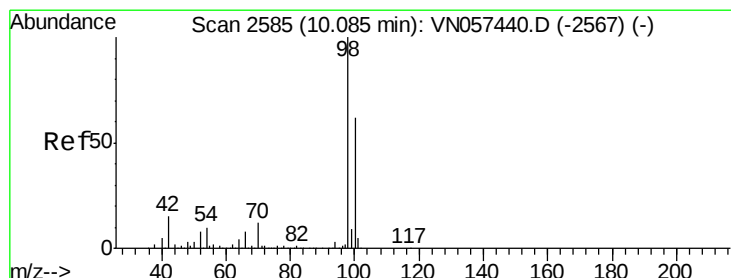
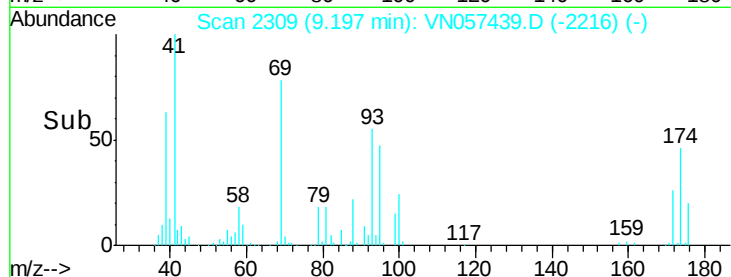
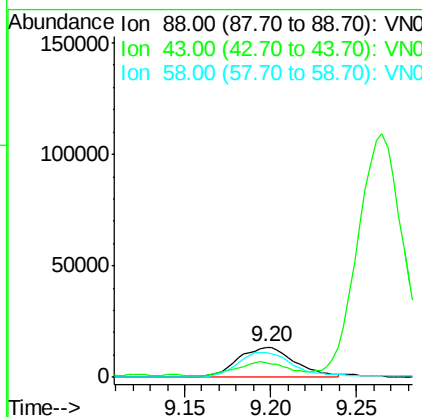
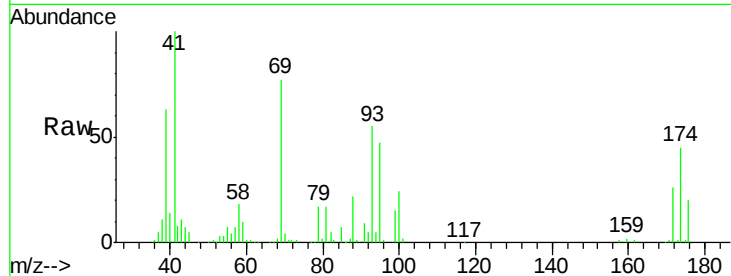
#49
1,4-Dioxane
Concen: 366.757 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	31.0	46.6
58	82.7	64.5	96.7

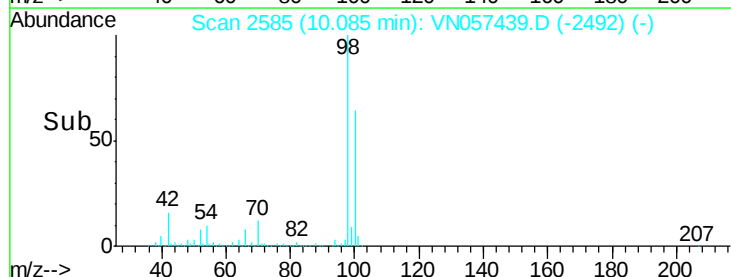
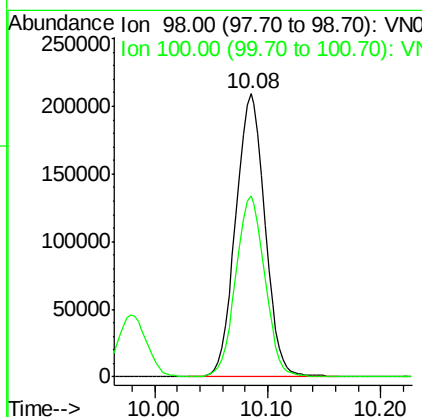
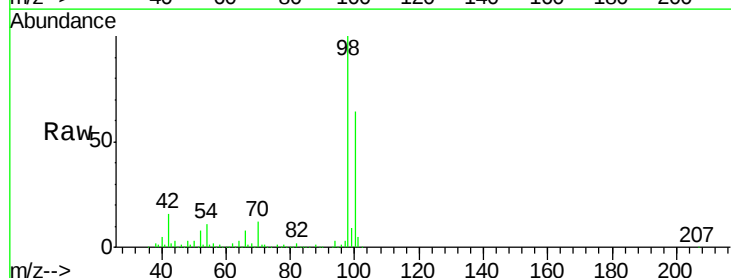
Manual Integrations
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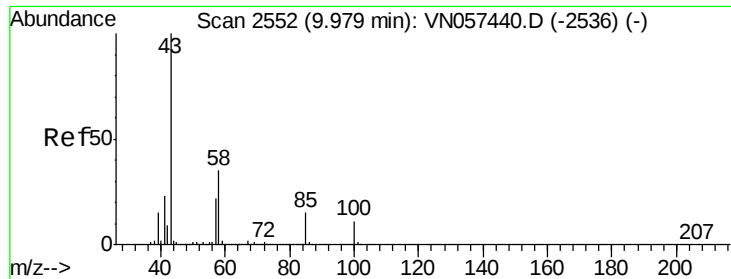
MMDadoda
8/23/2019 2:40:05 PM



#50
Toluene-d8
Concen: 22.028 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 130.189 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 721038

Ion Ratio Lower Upper

43 100

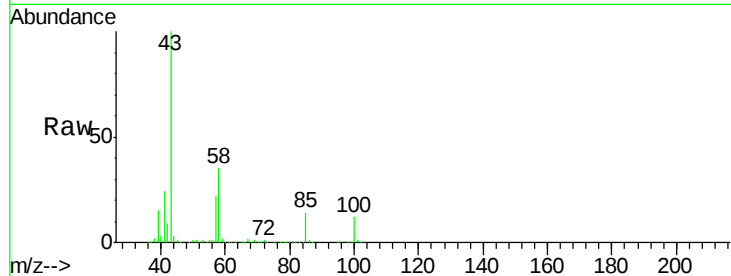
58 35.1 27.9 41.9

Manual Integrations

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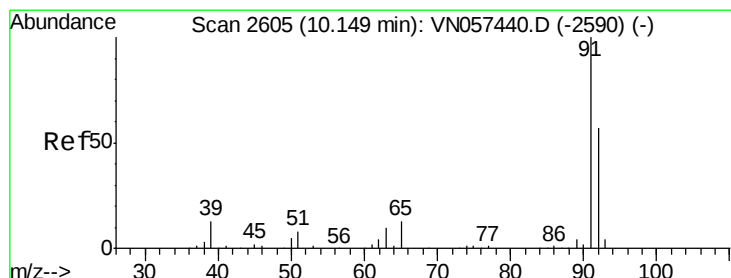
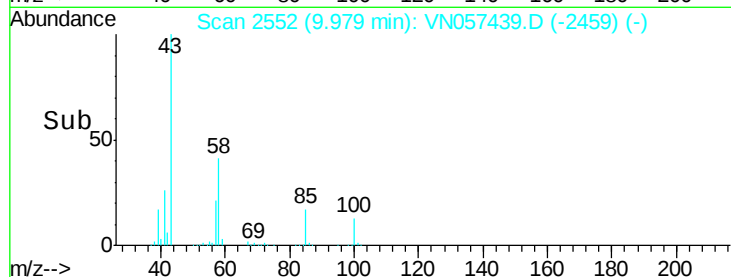
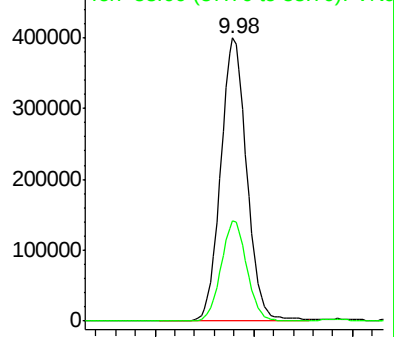
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.817 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057439.D

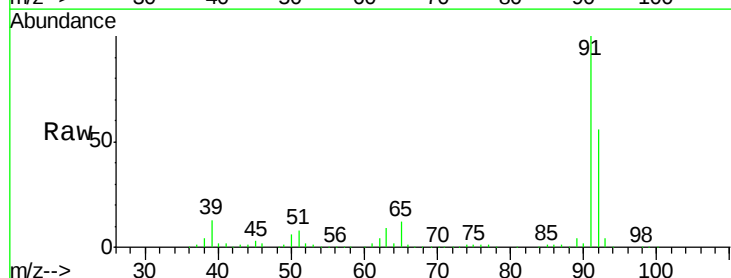
Acq: 22 Aug 2019 17:52

Tgt Ion: 92 Resp: 247167

Ion Ratio Lower Upper

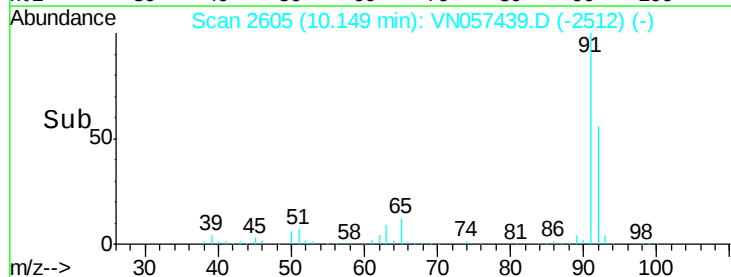
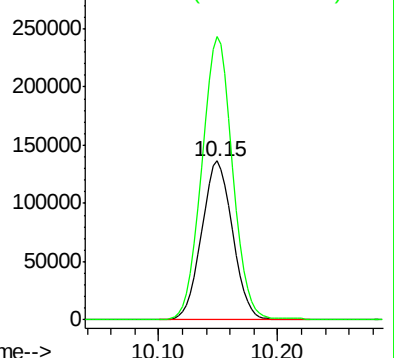
92 100

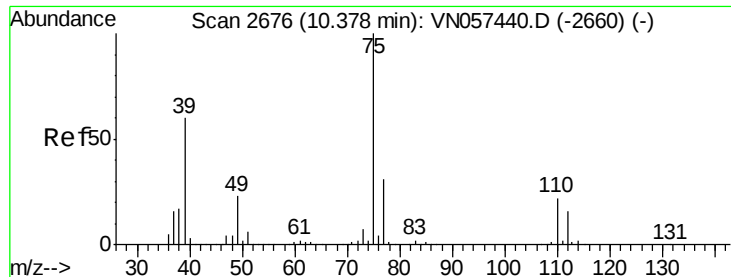
91 175.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





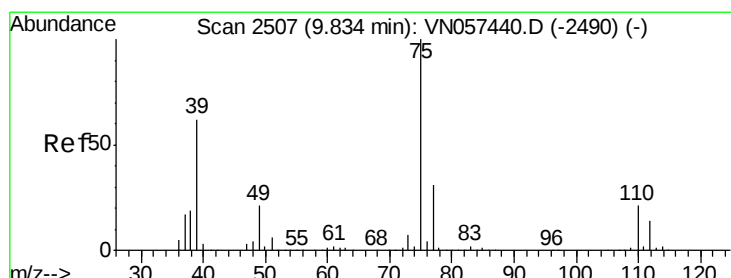
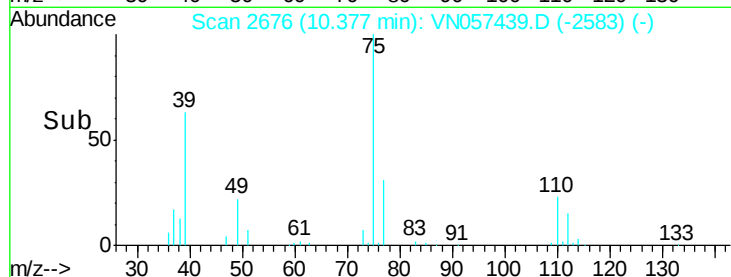
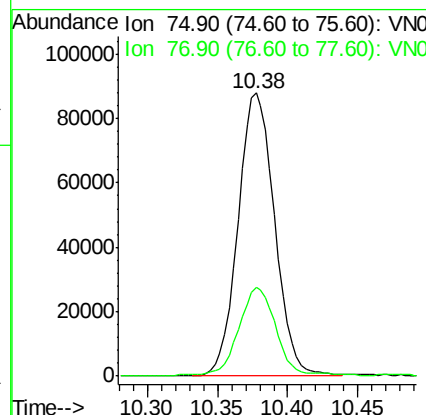
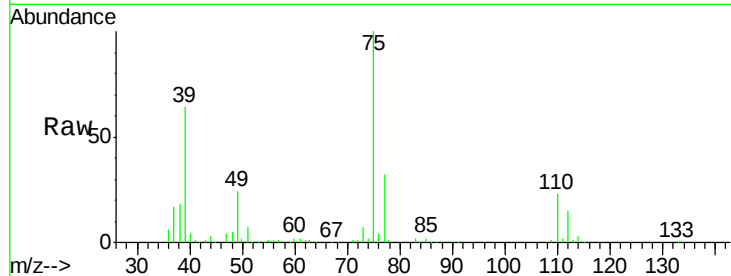
#53
 t-1,3-Dichloropropene
 Concen: 22.340 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 159846
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.6

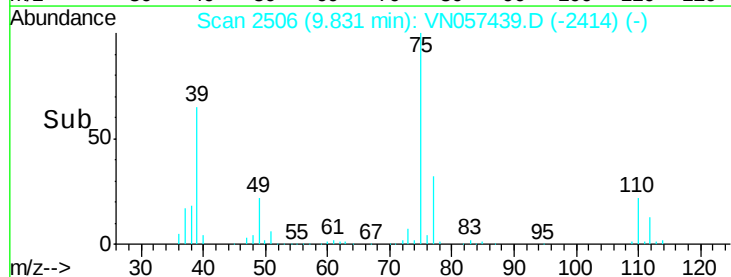
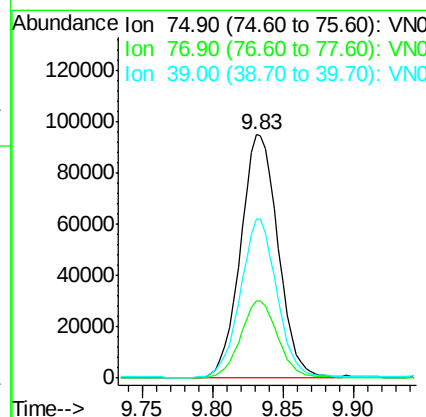
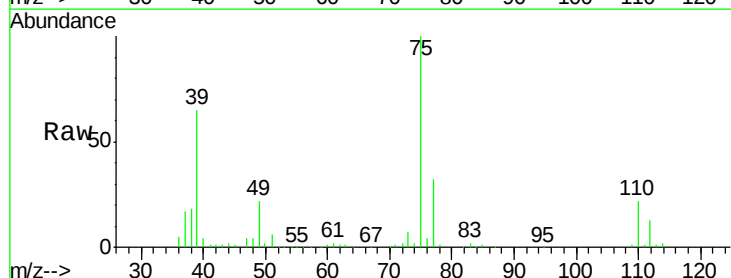
Manual Integrations
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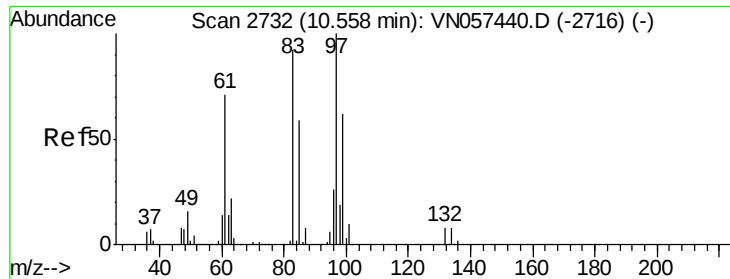
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 8/23/2019 2:40:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.511 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion: 75 Resp: 177159
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 65.0 49.2 73.8





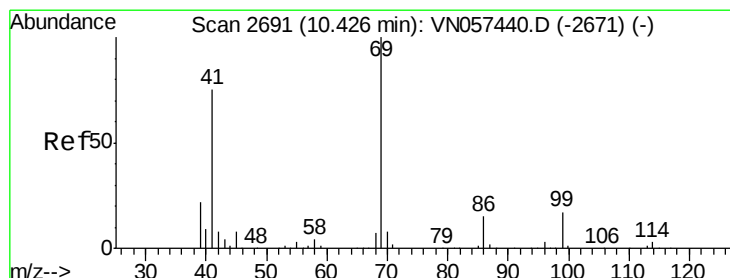
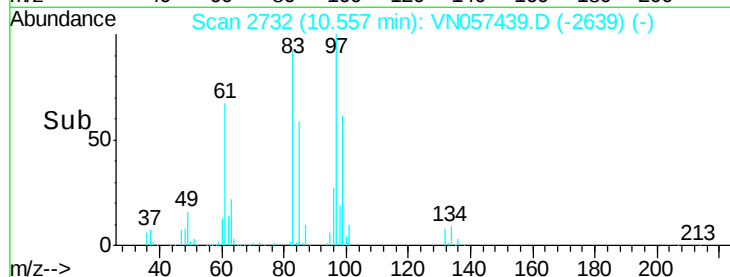
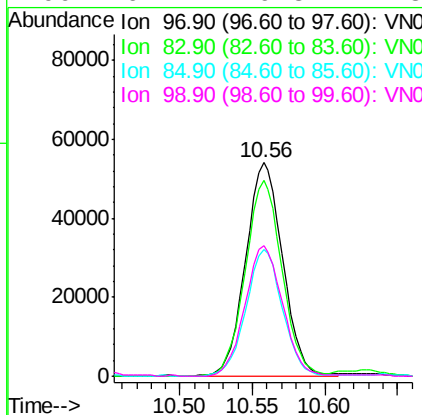
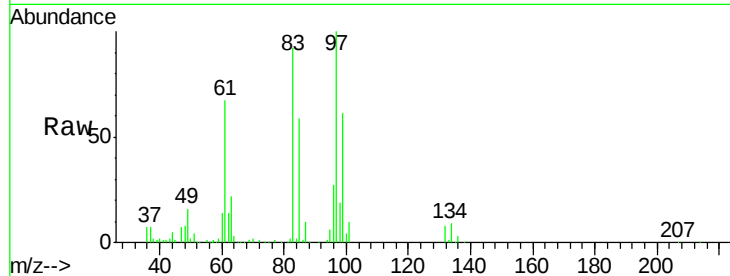
#55
 1,1,2-Trichloroethane
 Concen: 20.654 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	96359
Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.7	110.5
85	59.1	46.8	70.2
99	61.4	49.8	74.8

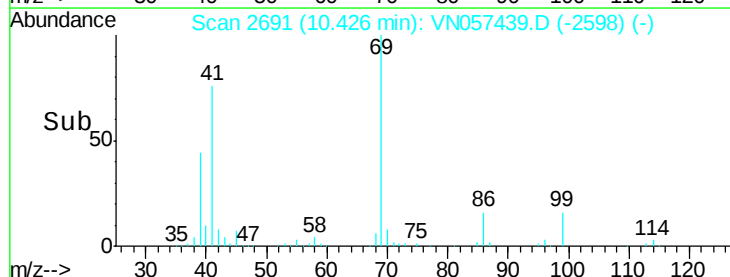
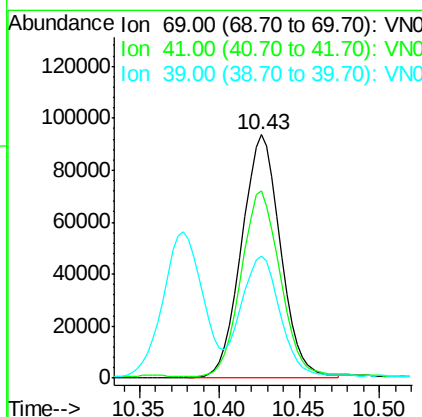
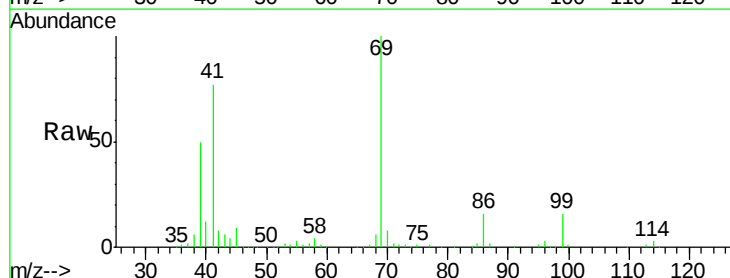
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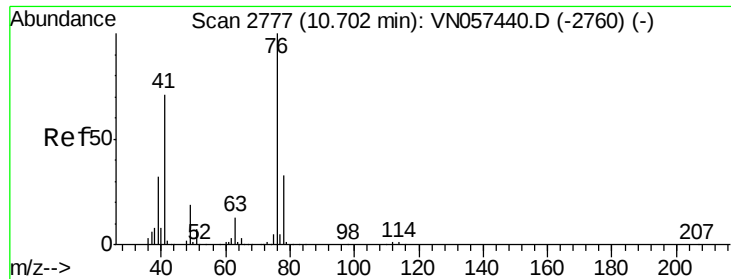
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#56
 Ethyl methacrylate
 Concen: 22.615 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion:	69	Resp:	156337
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	48.9	36.5	54.7





#57

1,3-Dichloropropane

Concen: 21.991 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 173502

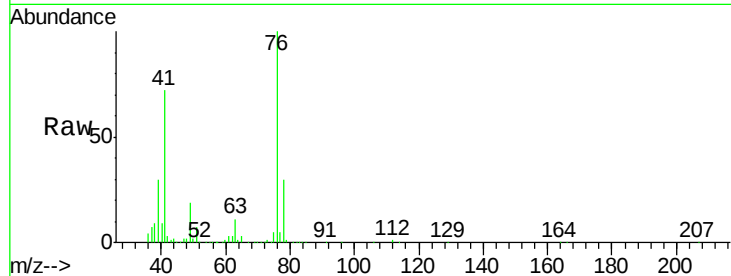
Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3

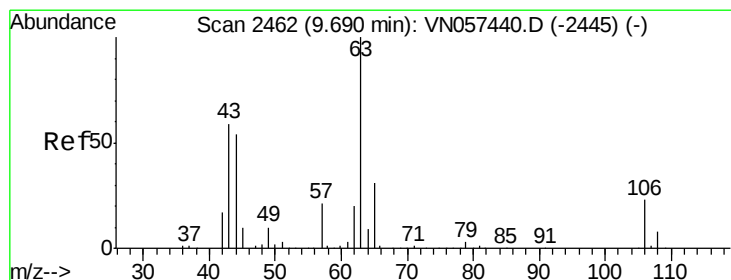
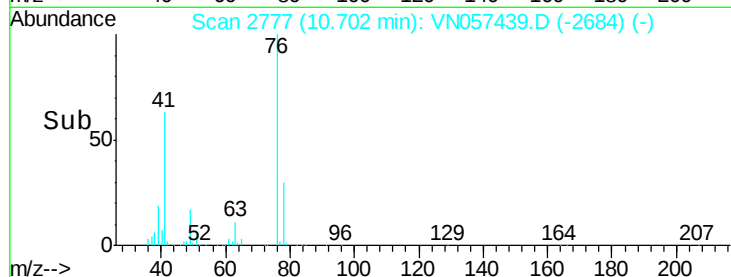
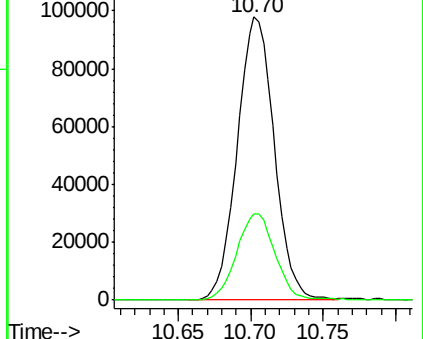
Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.080 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057439.D

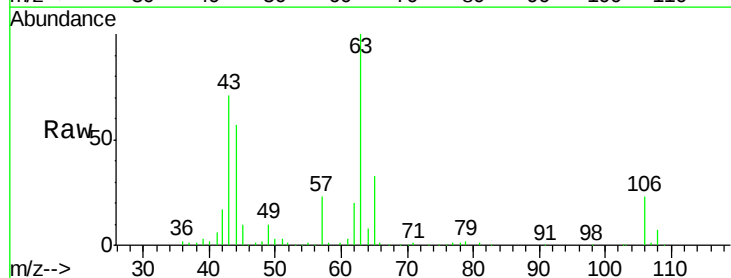
Acq: 22 Aug 2019 17:52

Tgt Ion: 63 Resp: 175751

Ion Ratio Lower Upper

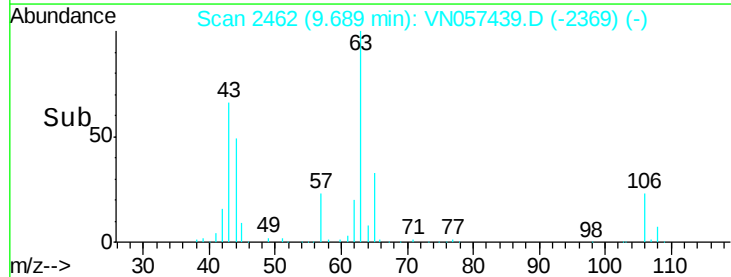
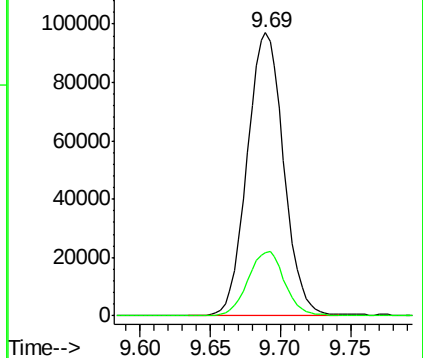
63 100

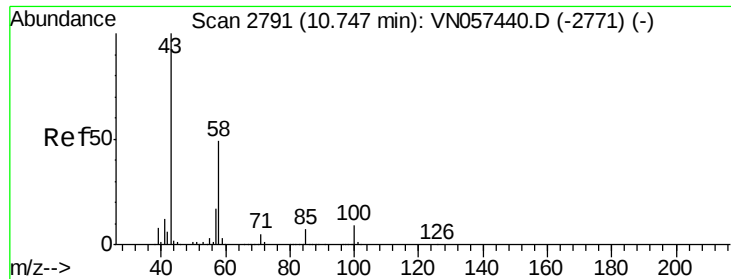
106 23.0 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





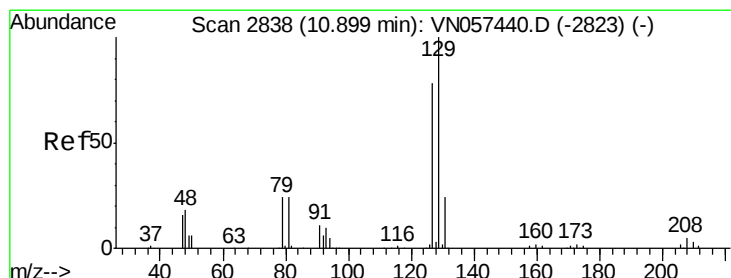
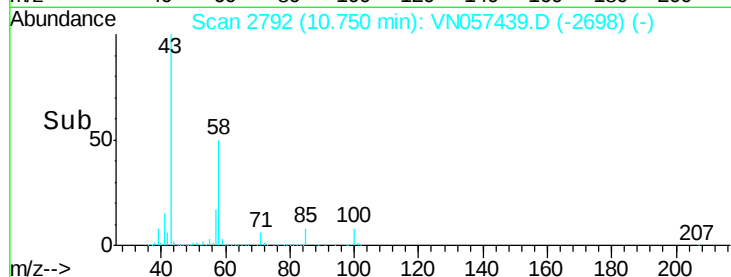
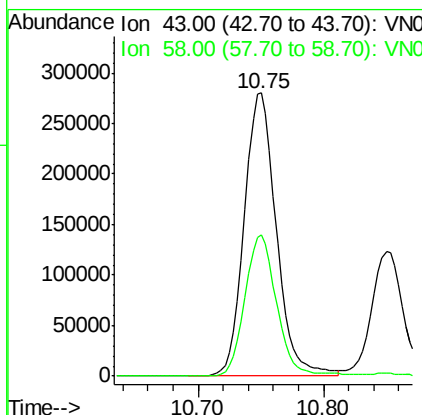
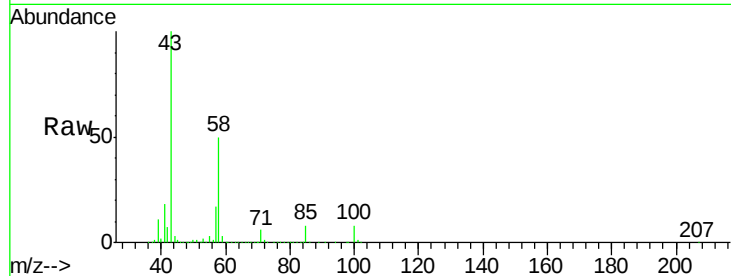
#59
2-Hexanone
Concen: 125.545 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

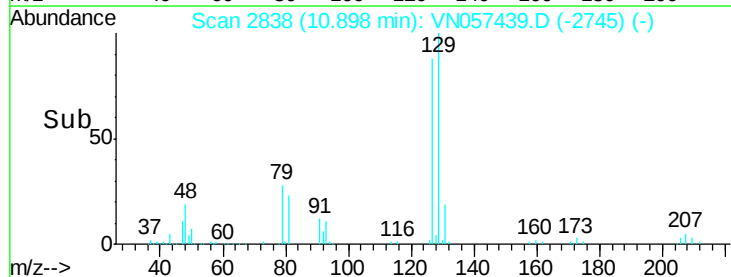
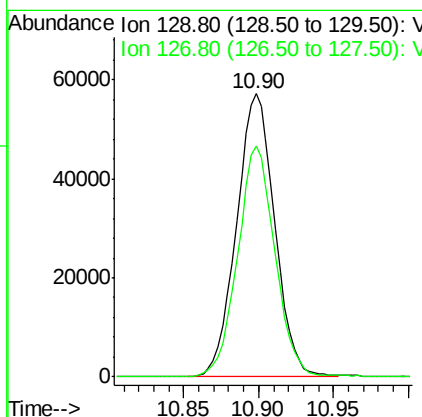
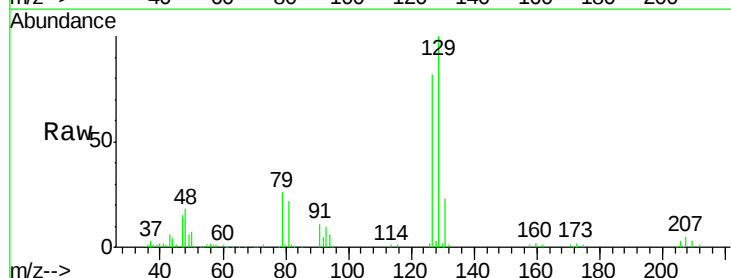
Manual Integrations
APPROVED

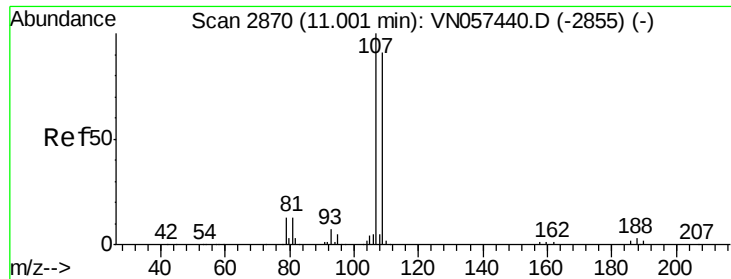
MMDadoda
8/23/2019 2:40:05 PM



#60
Dibromochloromethane
Concen: 19.585 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.0	116.9





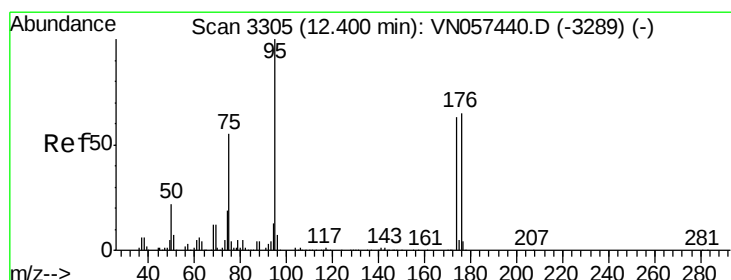
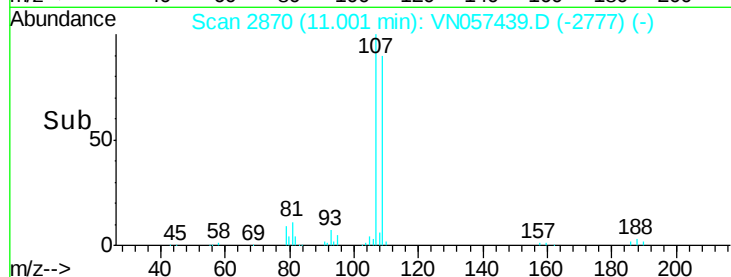
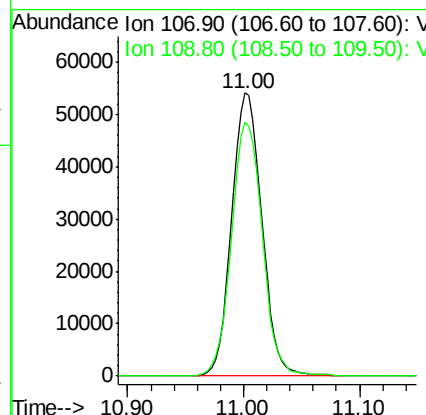
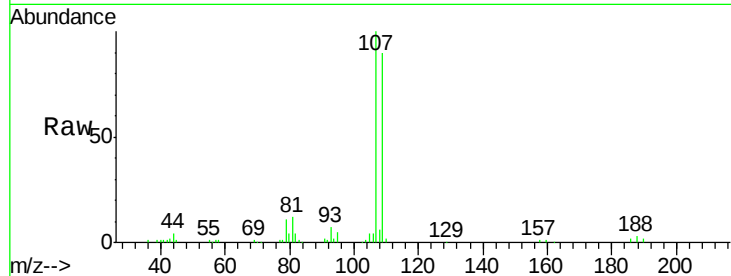
#61
 1,2-Dibromoethane
 Concen: 19.709 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.8	110.8

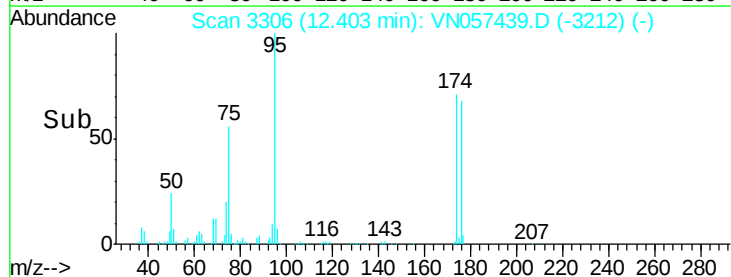
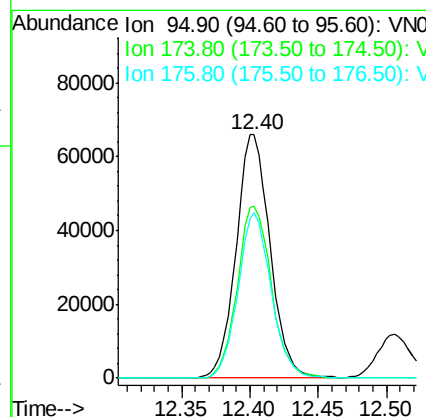
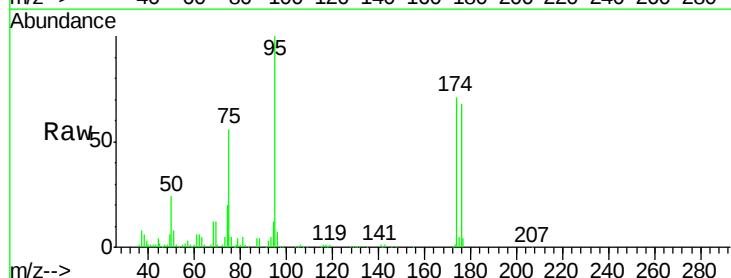
Manual Integrations
 APPROVED

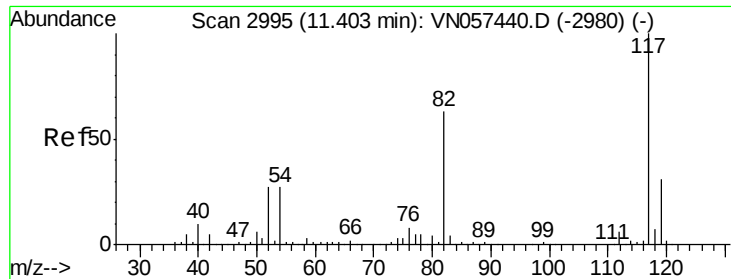
MMDadoda
 8/23/2019 2:40:05 PM



#62
 4-Bromofluorobenzene
 Concen: 18.919 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	133.0
176	66.2	0.0	130.8





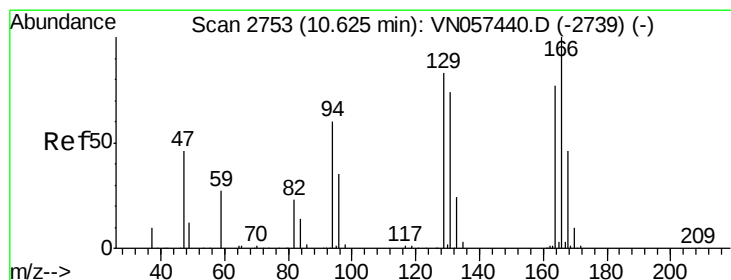
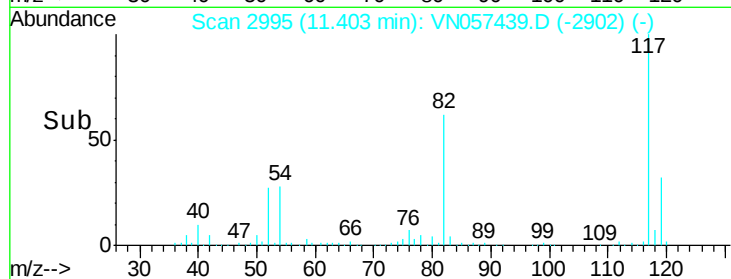
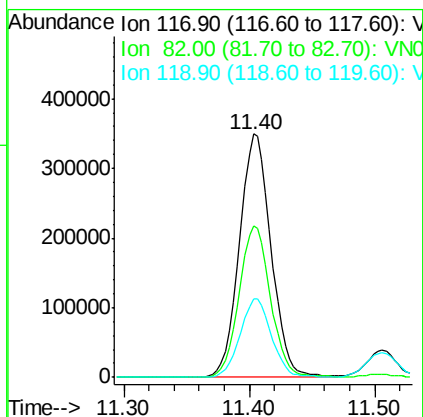
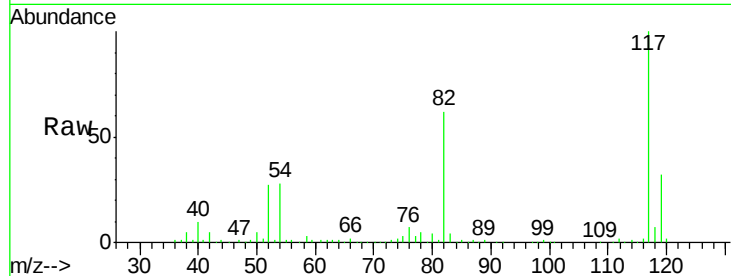
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	612961		
82	62.0		50.6	75.8
119	32.2		24.6	36.8

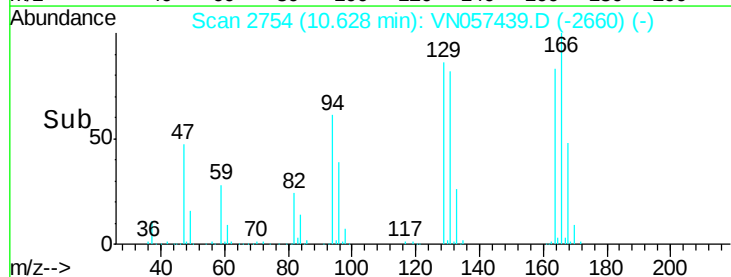
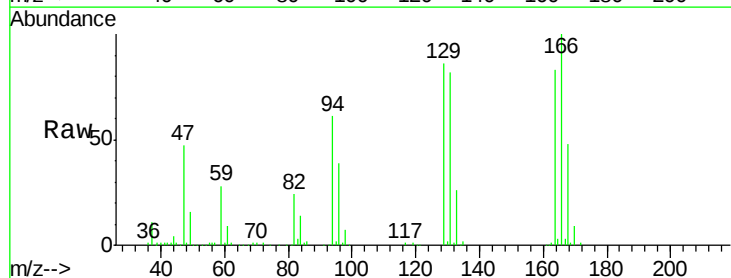
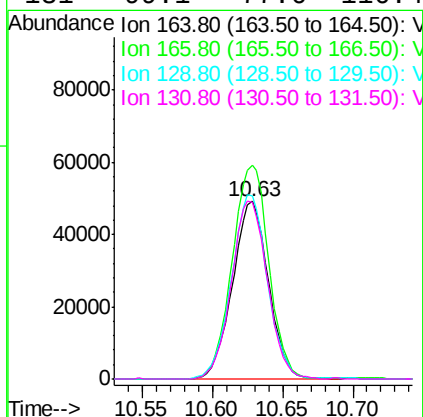
Manual Integrations
APPROVED

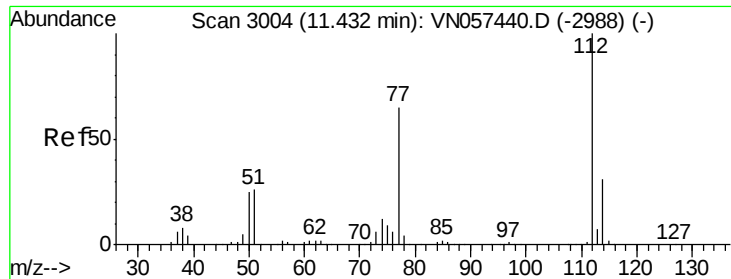
MMDadoda
8/23/2019 2:40:05 PM



#64
Tetrachloroethene
Concen: 17.038 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87491		
166	120.2		104.4	156.6
129	103.1		86.6	130.0
131	99.1		77.6	116.4





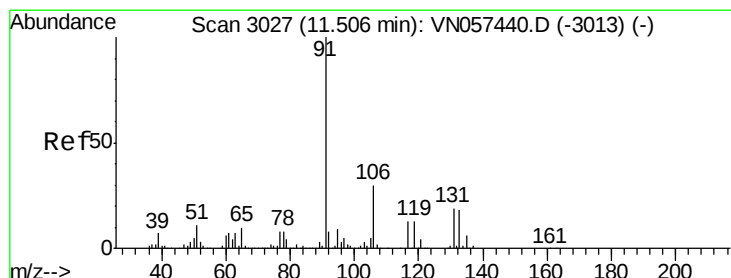
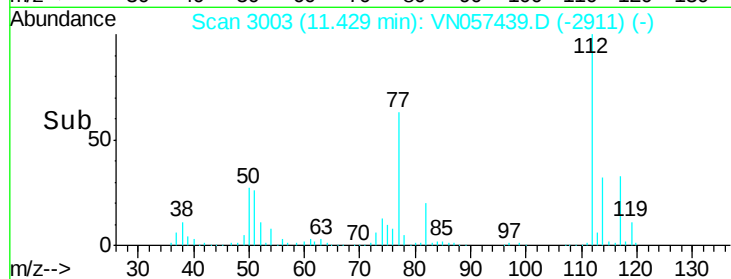
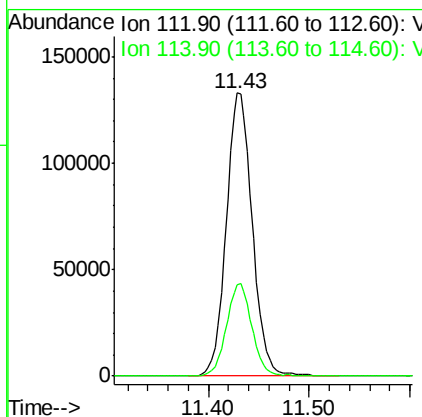
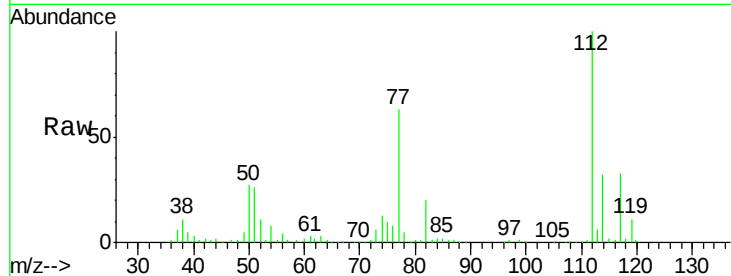
#65
Chlorobenzene
Concen: 19.290 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.8	37.2

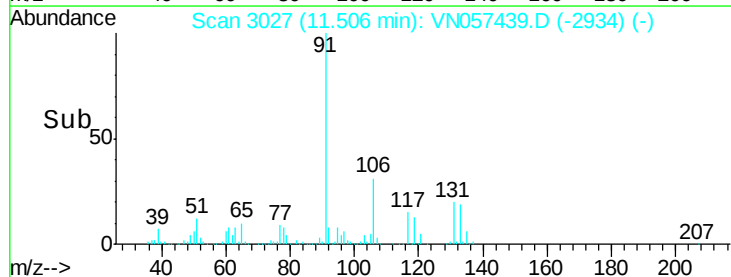
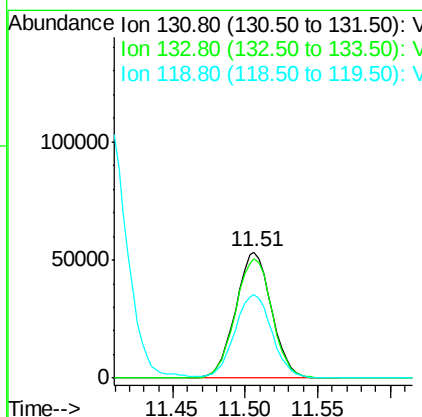
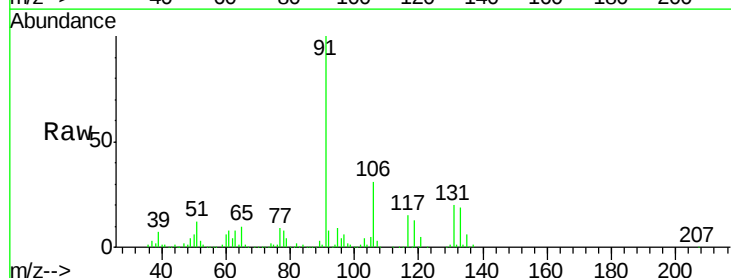
Manual Integrations
APPROVED

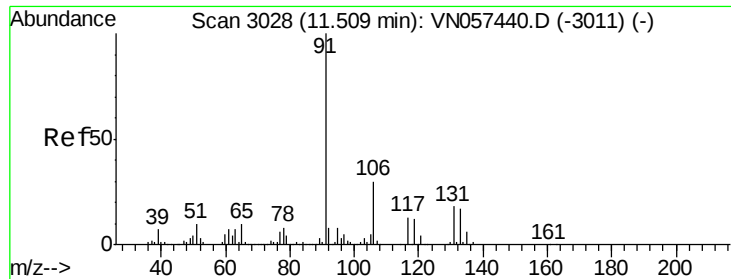
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.359 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.6	142.8
119	68.8	34.4	103.2





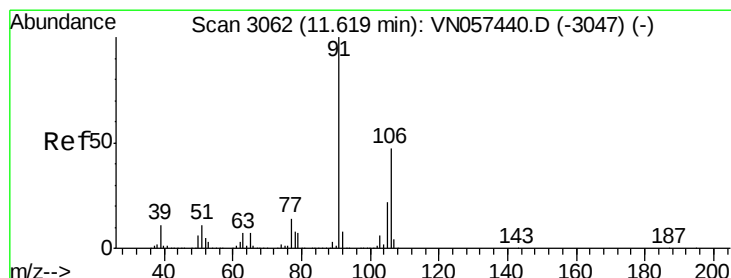
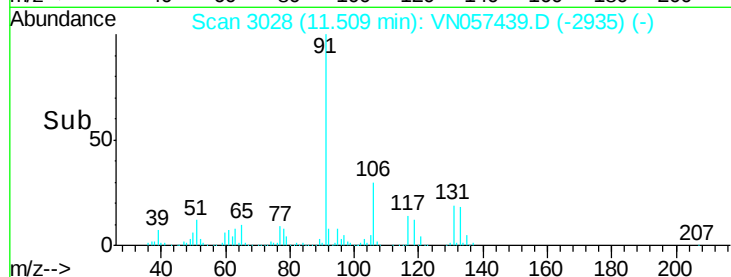
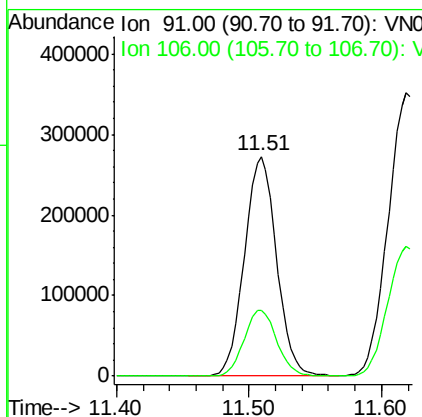
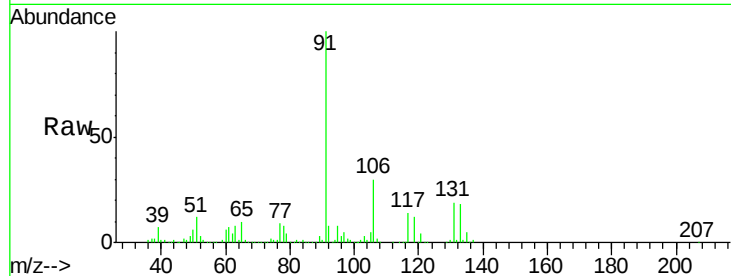
#67
Ethyl Benzene
Concen: 20.686 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 458305
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

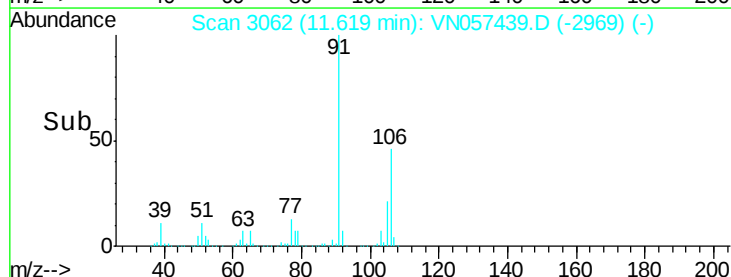
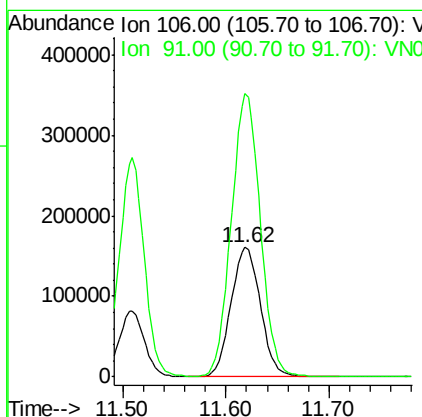
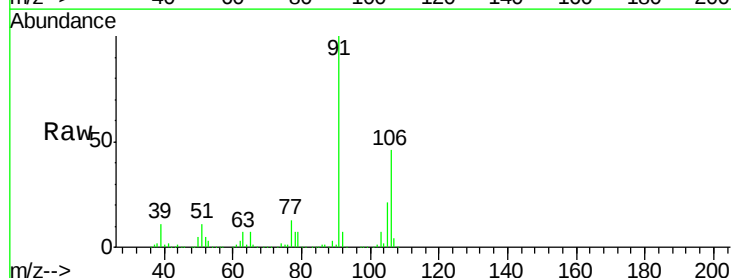
Manual Integrations
APPROVED

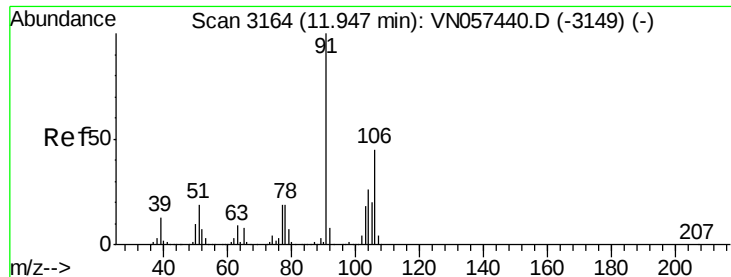
MMDadoda
8/23/2019 2:40:05 PM



#68
m/p-Xylenes
Concen: 39.842 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion: 106 Resp: 321188
Ion Ratio Lower Upper
106 100
91 214.4 171.8 257.6





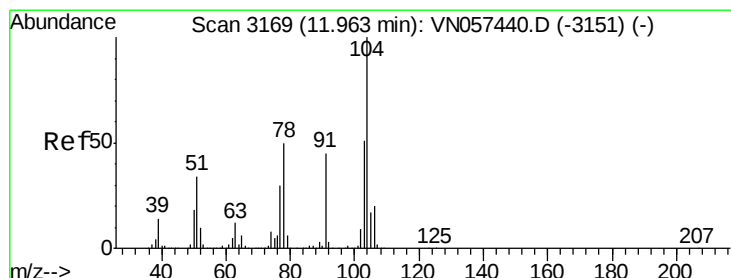
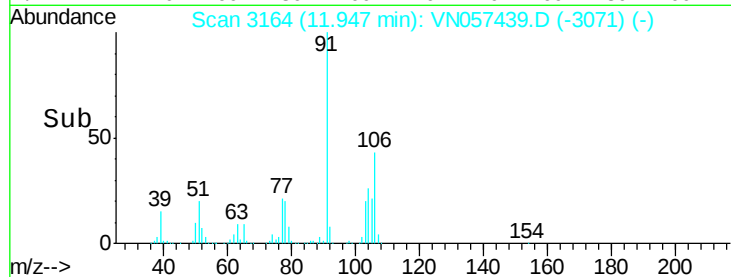
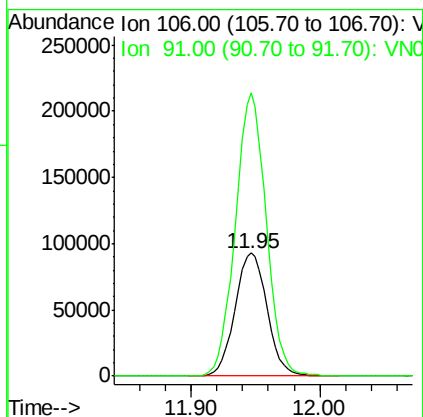
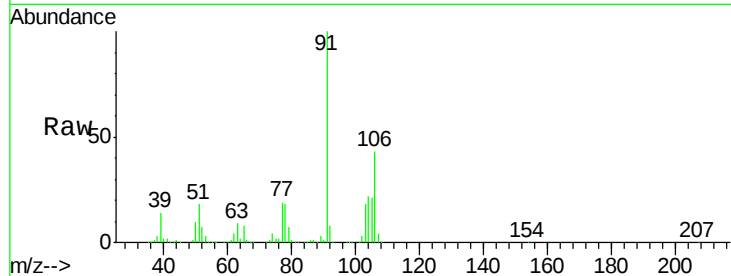
#69
o-Xylene
Concen: 20.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	160301		
91	221.5	112.3	336.9	

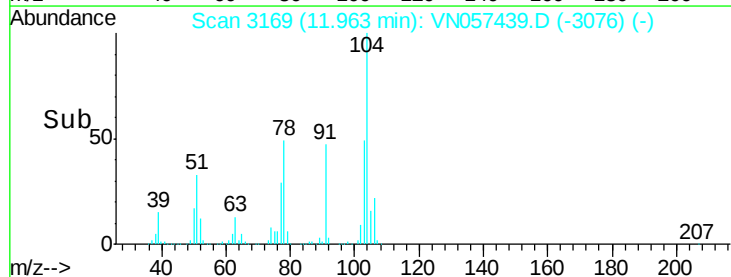
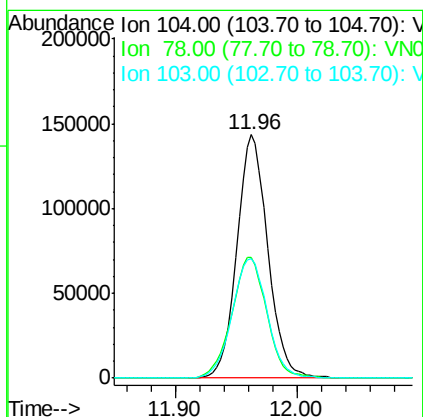
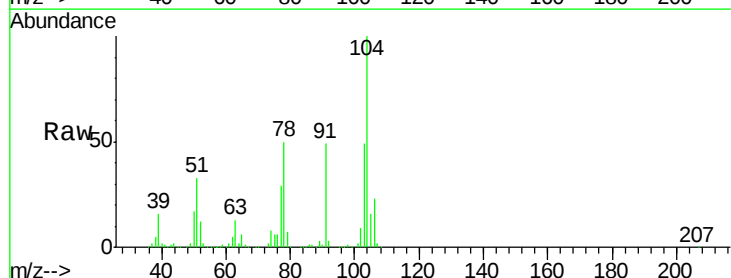
Manual Integrations
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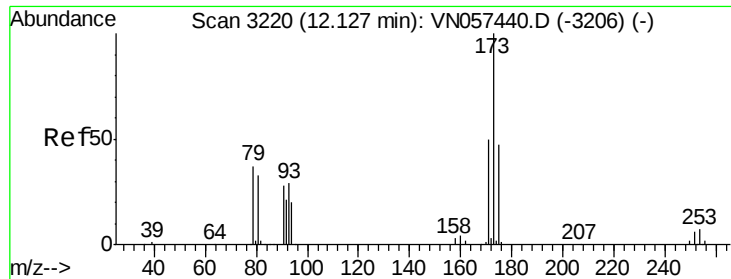
MMDadoda
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#70
Styrene
Concen: 19.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	250578		
78	56.7	44.7	67.1	
103	56.1	44.4	66.6	





#71

Bromoform

Concen: 15.928 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 58243

Ion Ratio Lower Upper

173 100

175 51.4 23.9 71.8

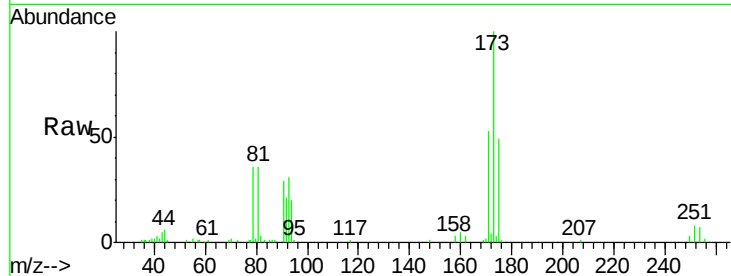
254 0.0 0.1 0.1#

Manual Integrations

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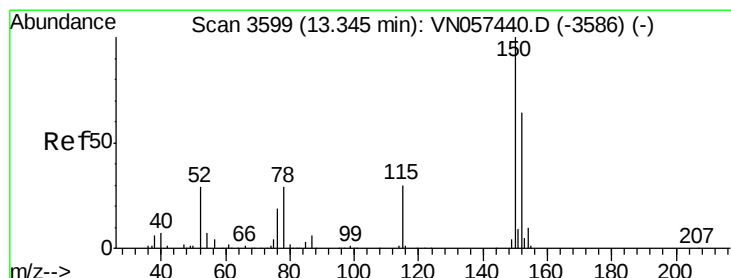
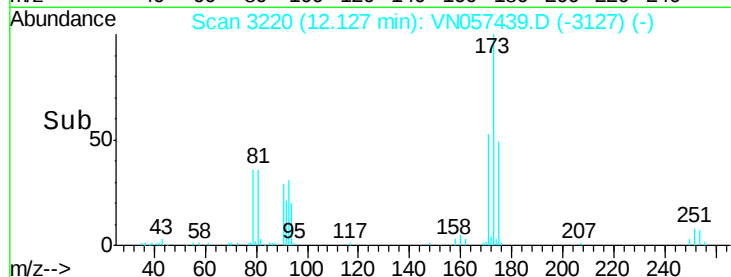
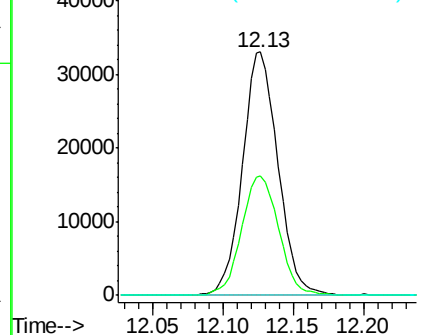
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

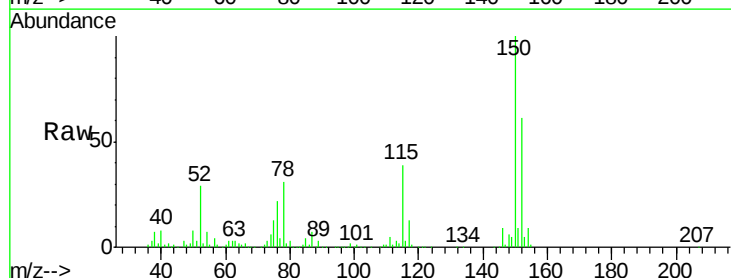
Tgt Ion:152 Resp: 195775

Ion Ratio Lower Upper

152 100

115 63.8 32.0 96.0

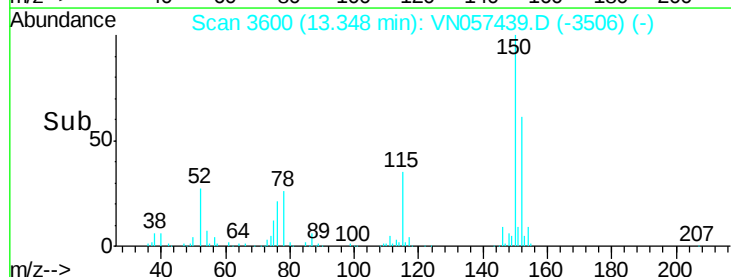
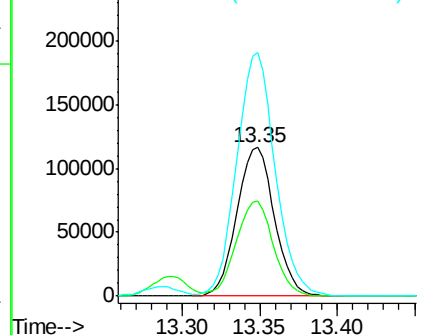
150 168.1 0.0 346.6

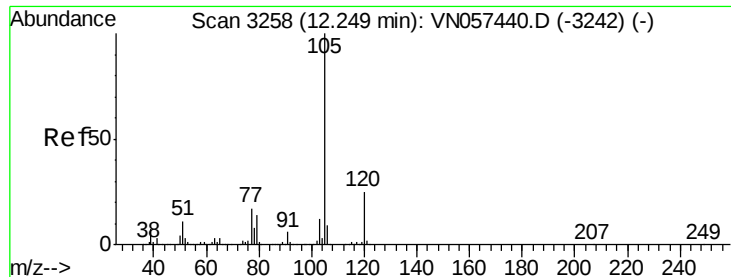


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.216 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 426541

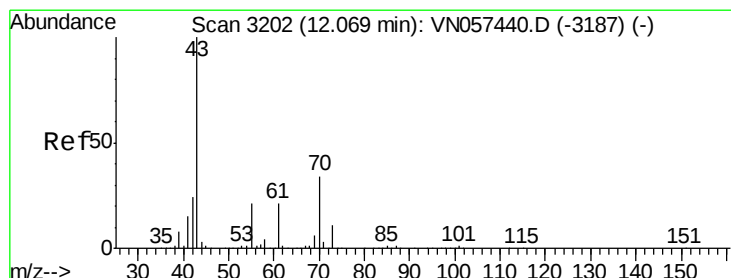
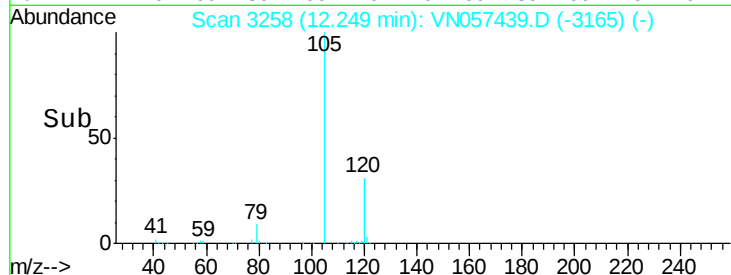
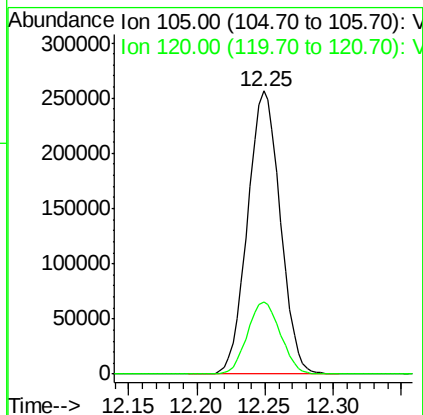
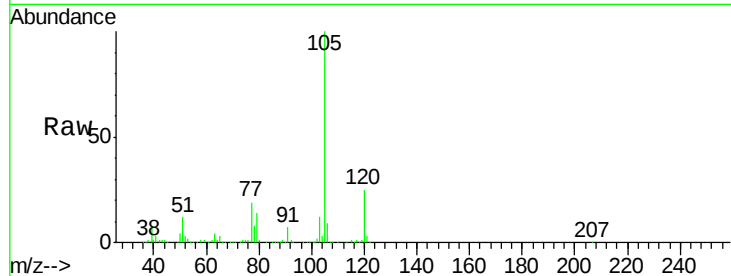
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

Manual Integrations
APPROVED

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8/23/2019 2:40:05 PM



#74

N-ethyl acetate

Concen: 32.127 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Tgt Ion: 43 Resp: 198978

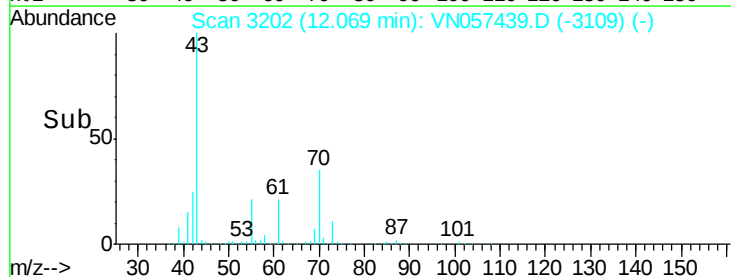
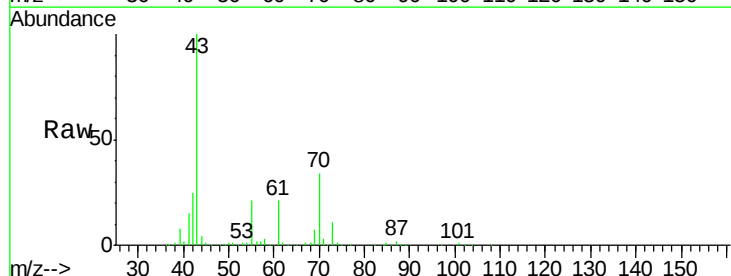
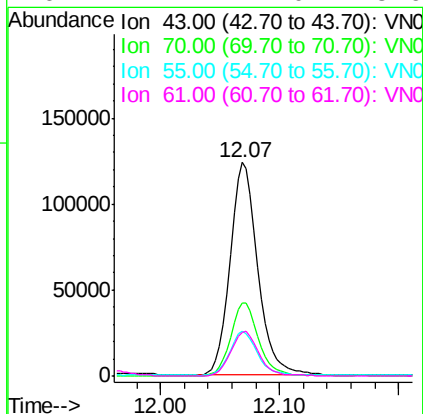
Ion Ratio Lower Upper

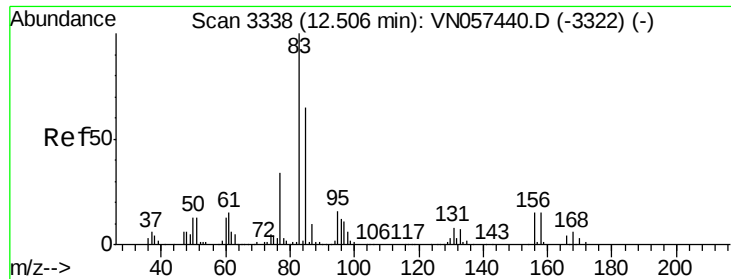
43 100

70 34.2 27.8 41.6

55 20.8 17.0 25.4

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.409 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

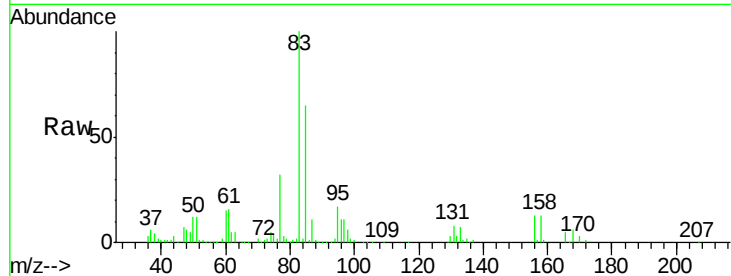
ClientSampled :

VSTDIC020

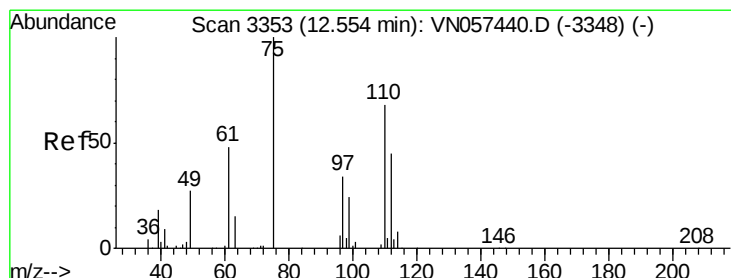
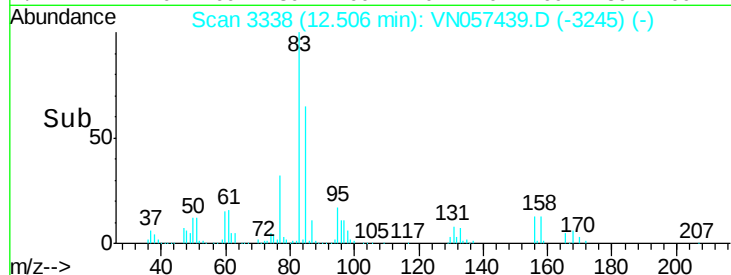
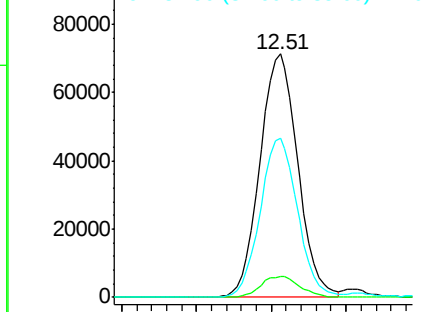
Tot Ion:	83	Resp:	125809
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.3	13.1
85	64.3	32.3	96.8

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN057440.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 23.387 ug/l m

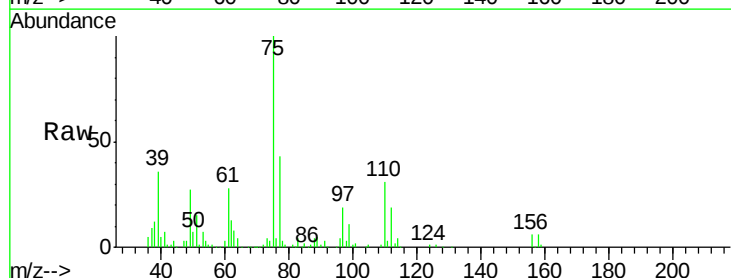
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

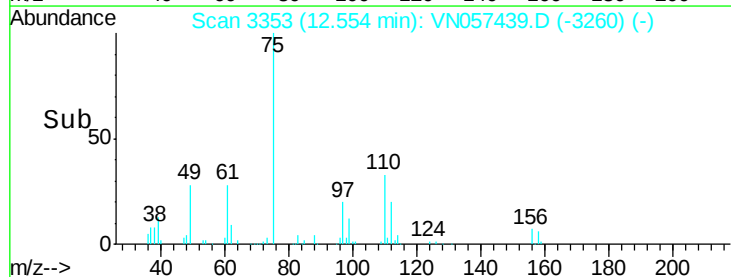
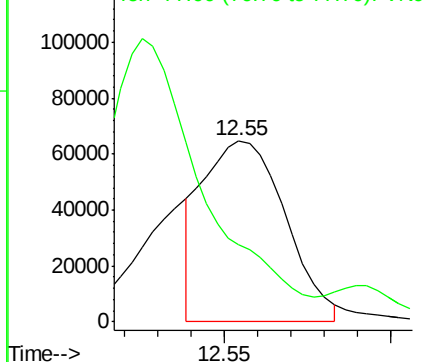
Lab File: VN057439.D

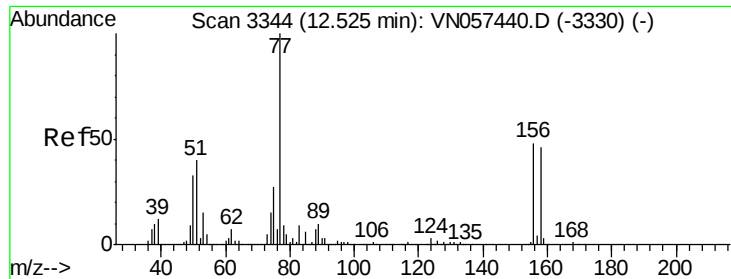
Acq: 22 Aug 2019 17:52

Tgt Ion:	75	Resp:	112596
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-3348) (-)





#77

Bromobenzene

Concen: 17.914 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

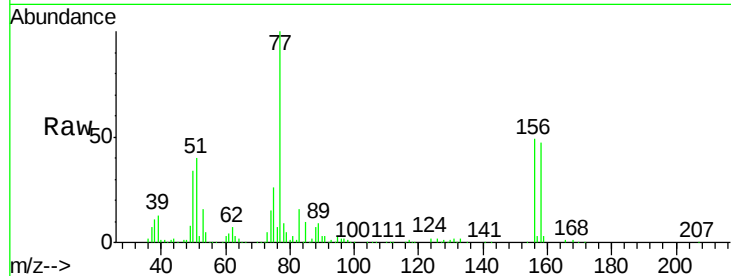
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.8	124.4	373.3
158	96.1	48.3	144.8

Manual Integrations
APPROVED

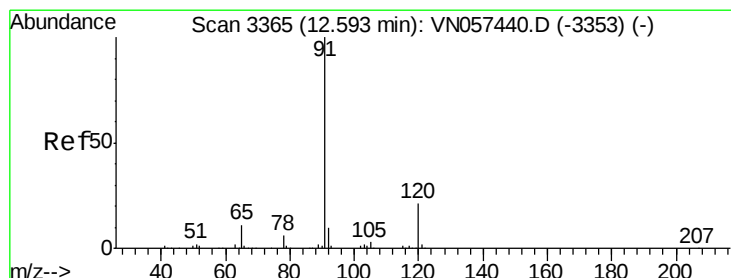
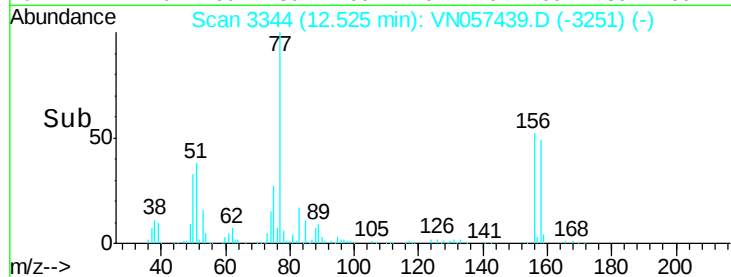
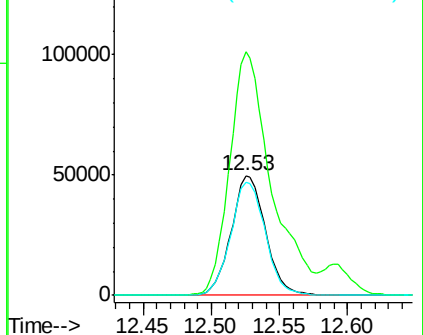
MMDadoda
8/23/2019 2:40:05 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.600 ug/l

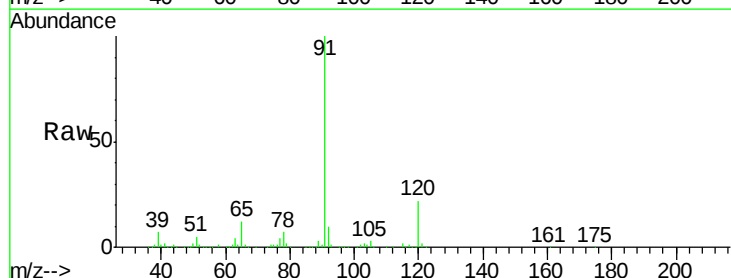
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057439.D

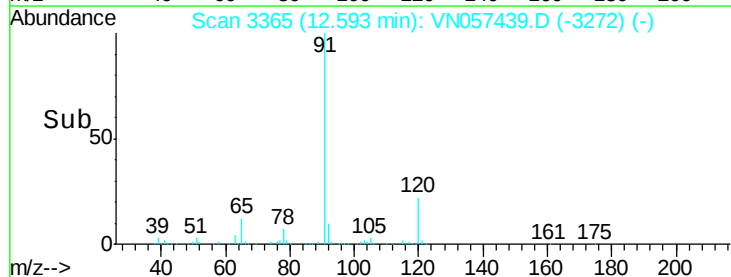
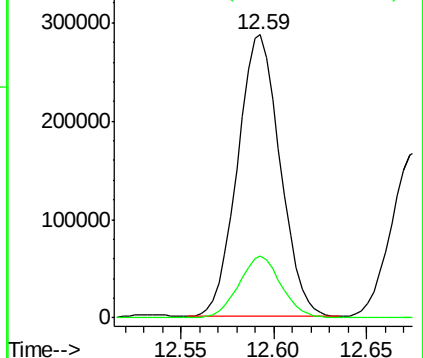
Acq: 22 Aug 2019 17:52

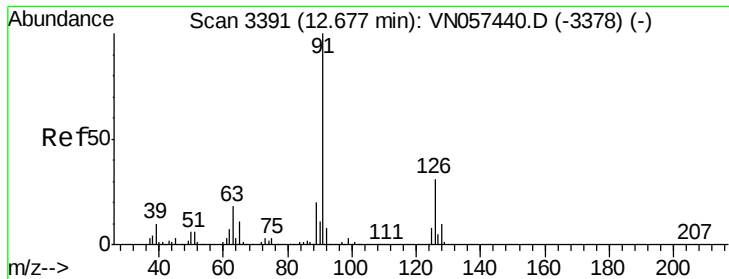
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.681 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 280048

Ion Ratio Lower Upper

91 100

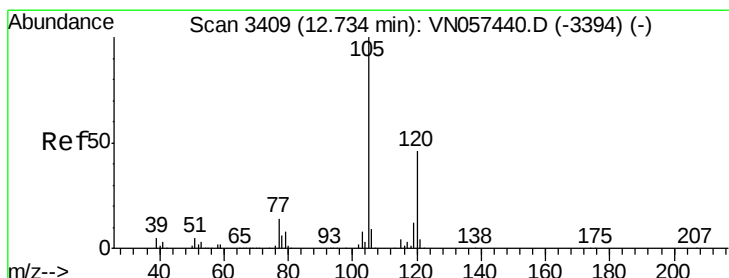
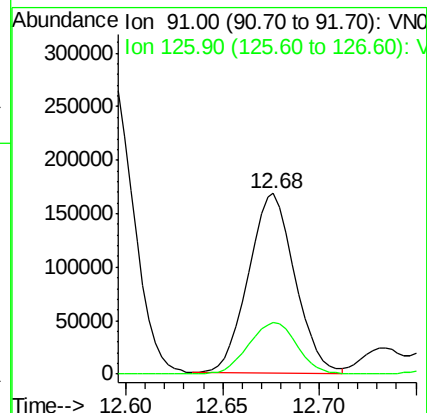
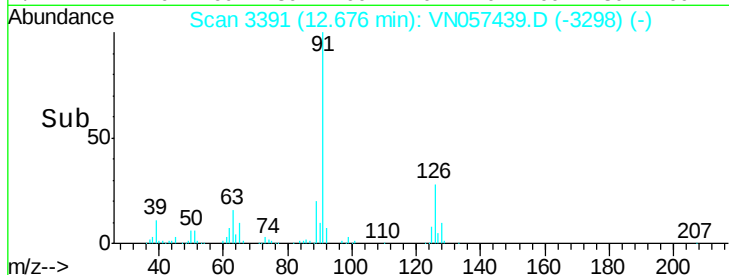
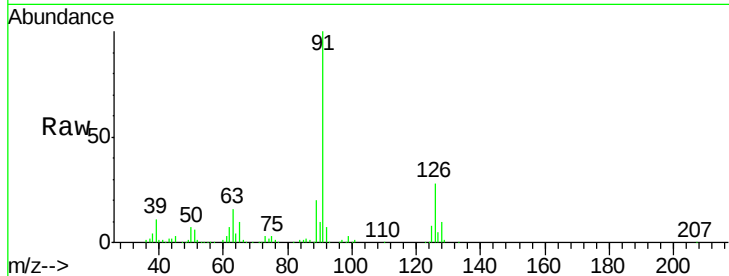
126 30.4 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.166 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057439.D

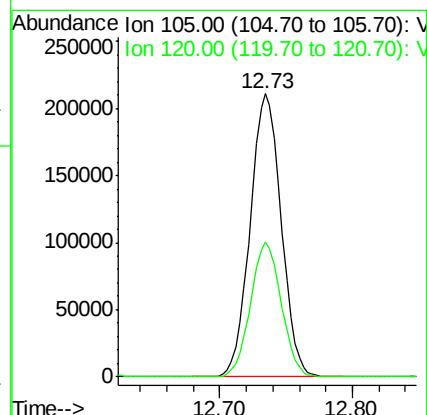
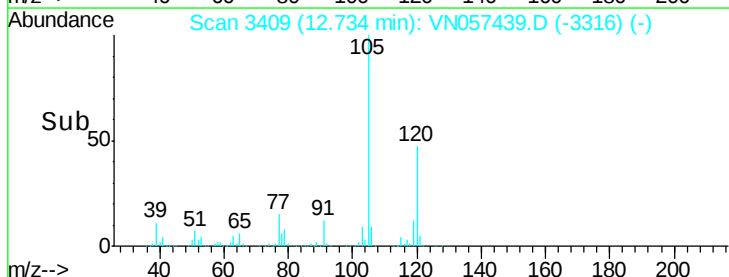
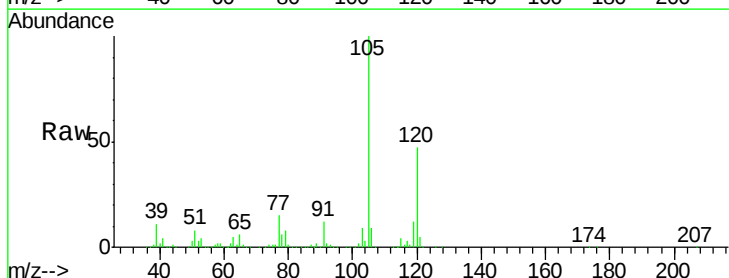
Acq: 22 Aug 2019 17:52

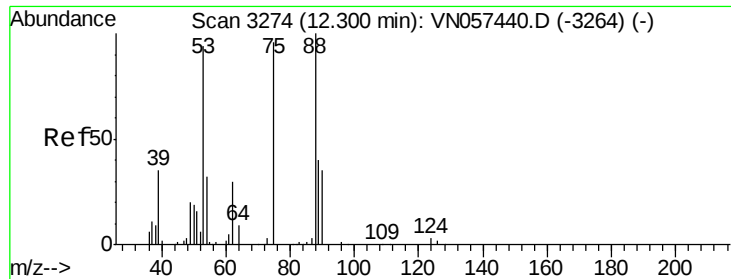
Tgt Ion: 105 Resp: 342330

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





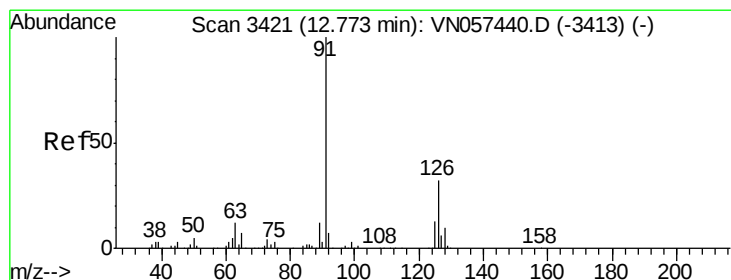
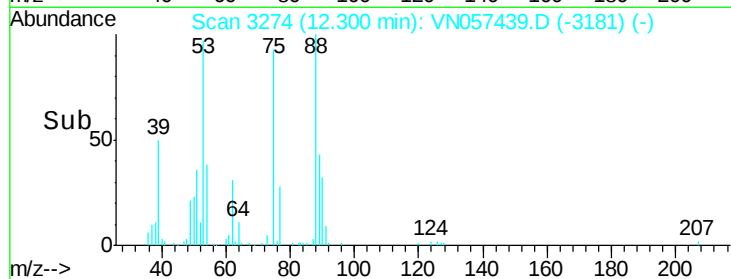
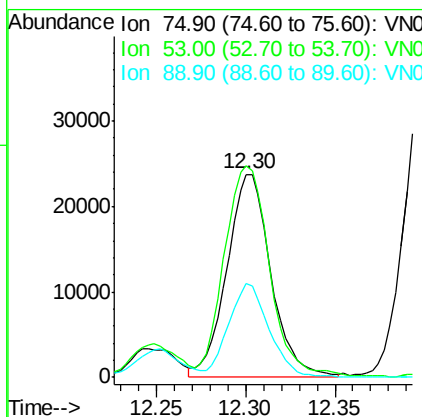
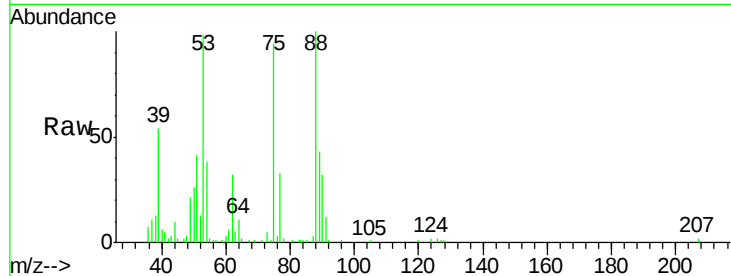
#81
trans-1,4-Dichloro-2-butene
Concen: 24.872 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.8	82.7	124.1
89	42.6	35.8	53.8

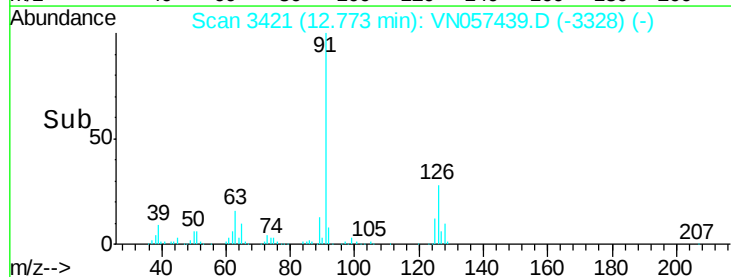
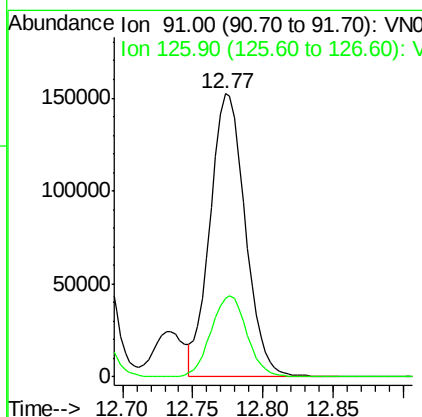
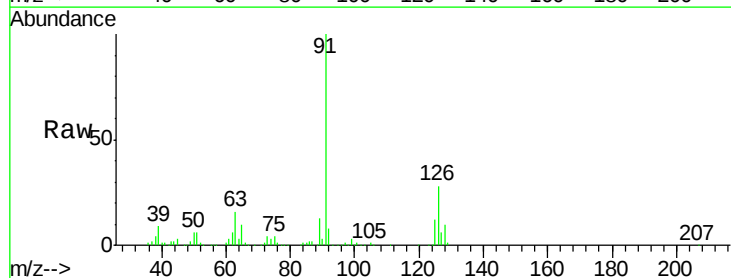
Manual Integrations
APPROVED

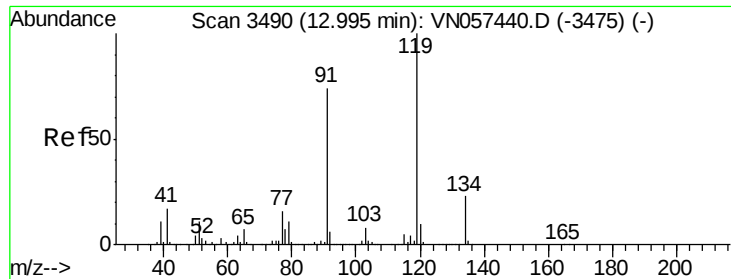
MMDadoda
8/23/2019 2:40:05 PM



#82
4-Chlorotoluene
Concen: 23.091 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	15.0	45.0





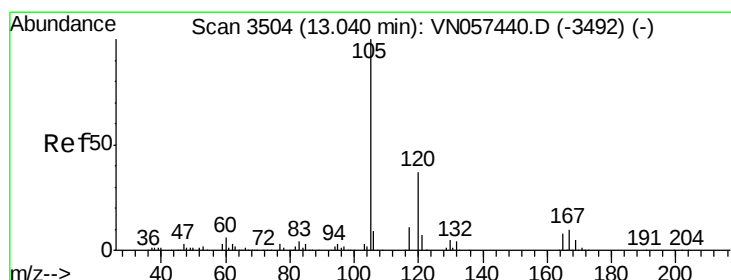
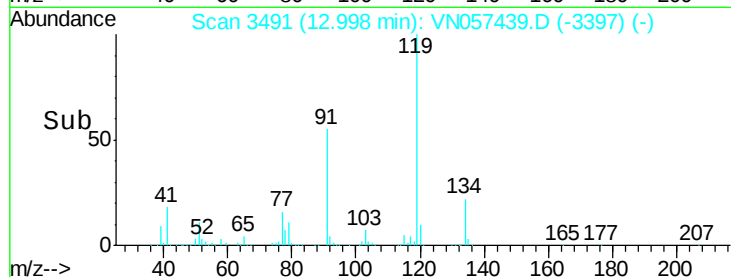
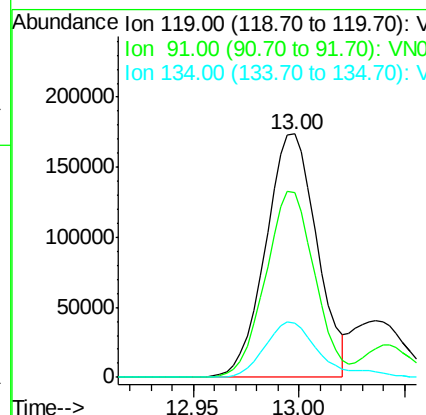
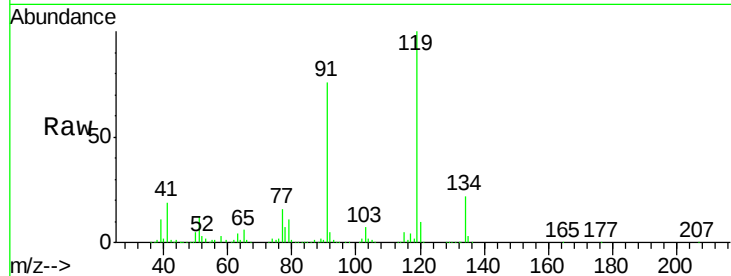
#83
tert-Butylbenzene
Concen: 20.640 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.6	37.0	111.0
134	24.5	12.2	36.6

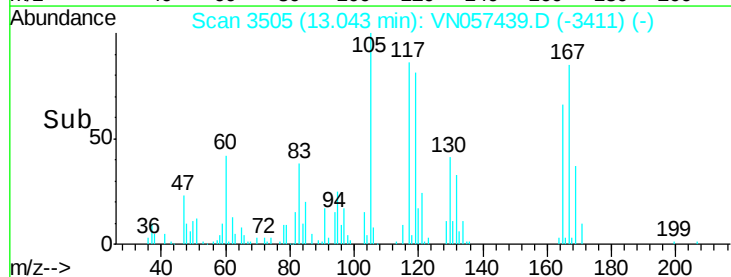
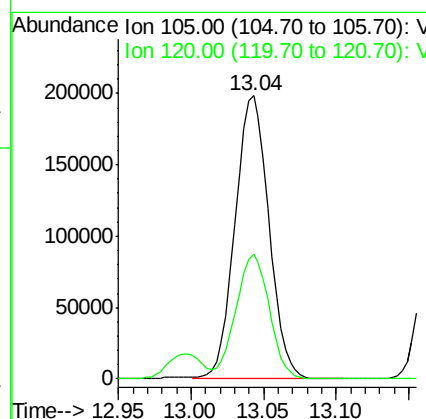
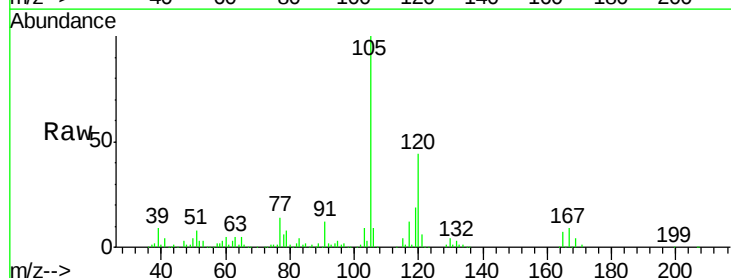
Manual Integrations
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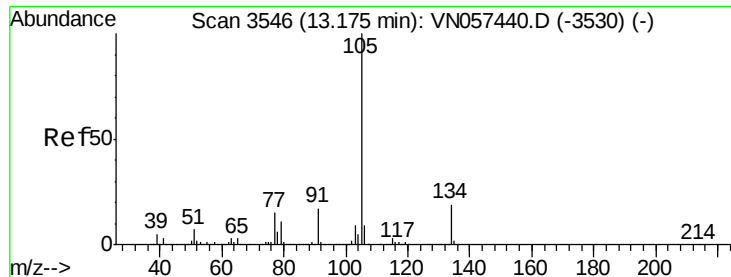
MMDadoda
8/23/2019 2:40:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.447 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.730 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 373328

Ion Ratio Lower Upper

105 100

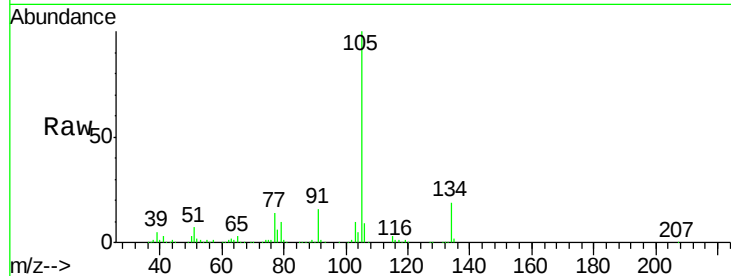
134 18.9 9.3 27.9

Manual Integrations

APPROVED

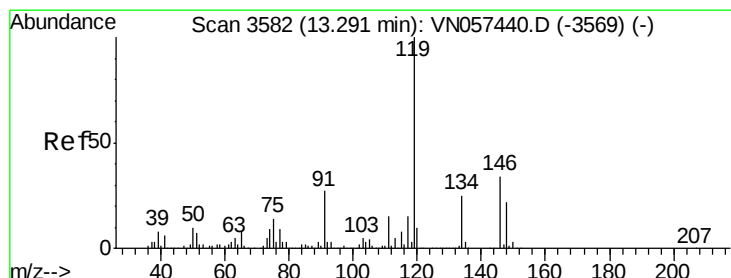
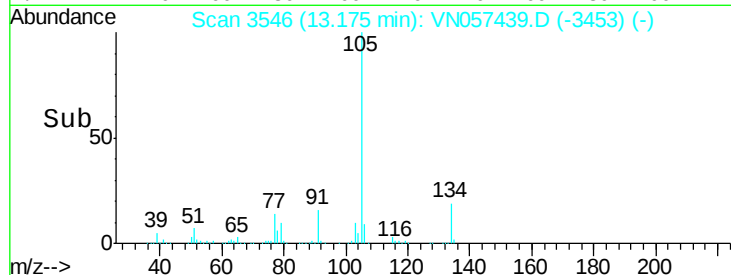
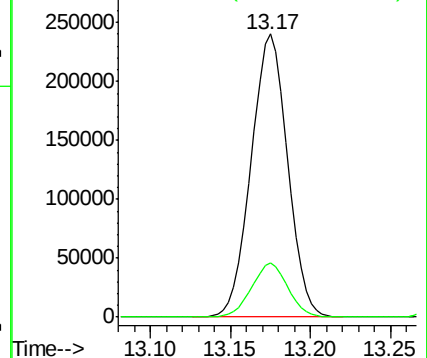
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.349 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

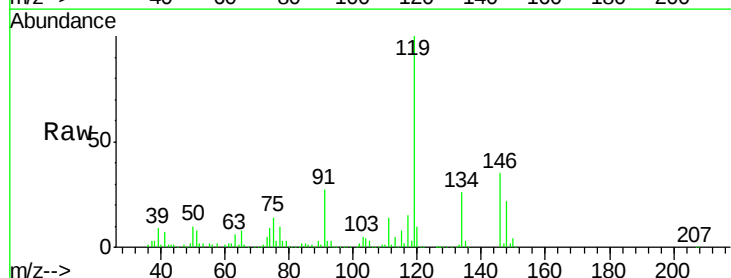
Tgt Ion:119 Resp: 311334

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

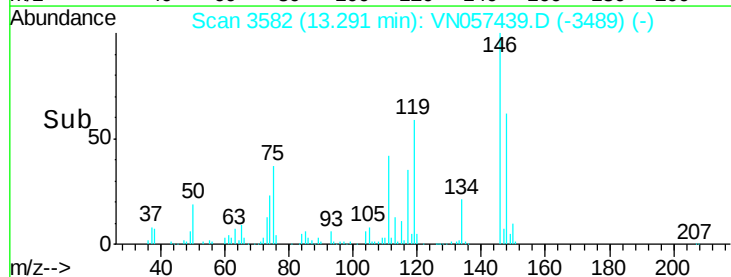
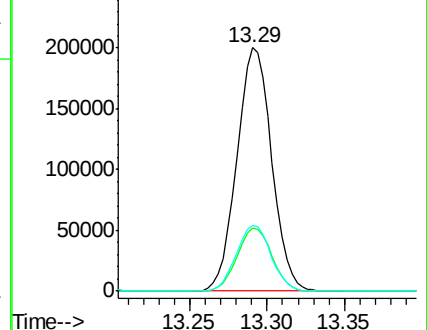
91 26.6 13.9 41.6

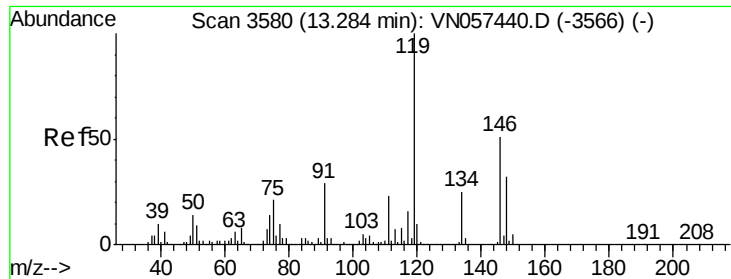


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





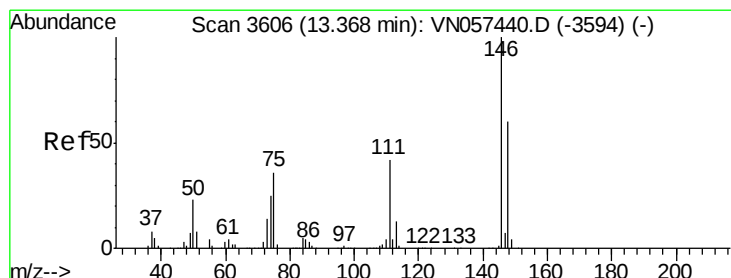
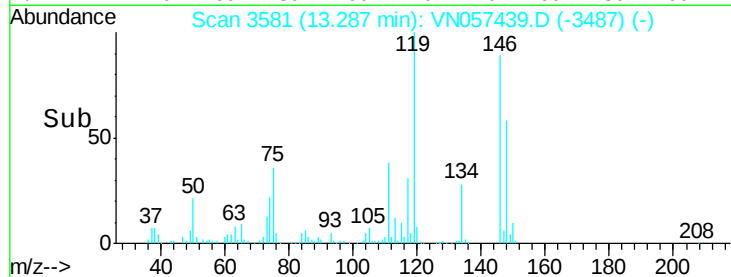
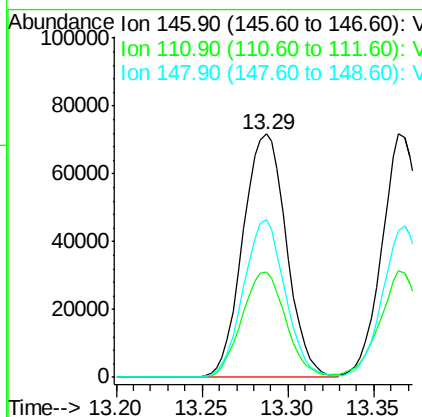
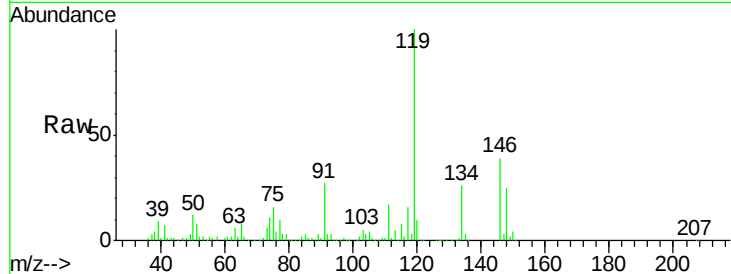
#87
 1,3-Dichlorobenzene
 Concen: 18.713 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.1	66.1
148	62.0	31.9	95.9

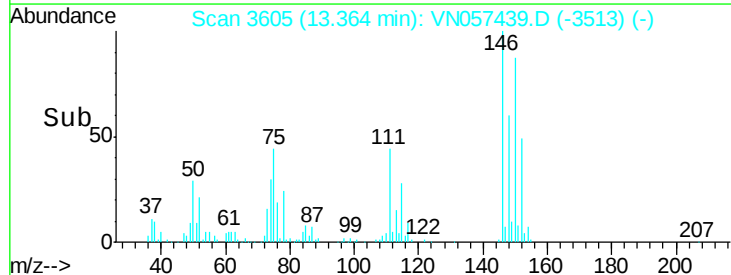
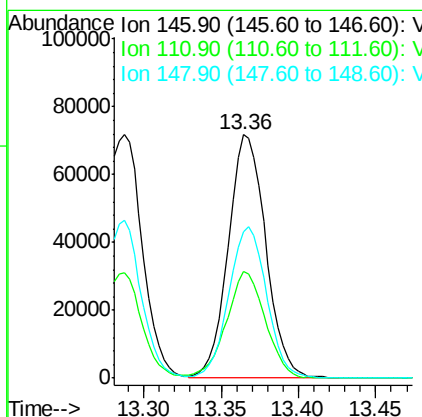
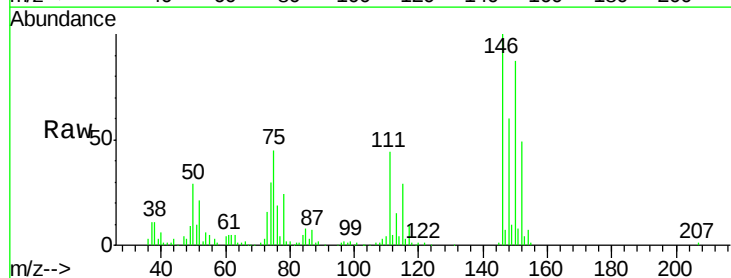
Manual Integrations
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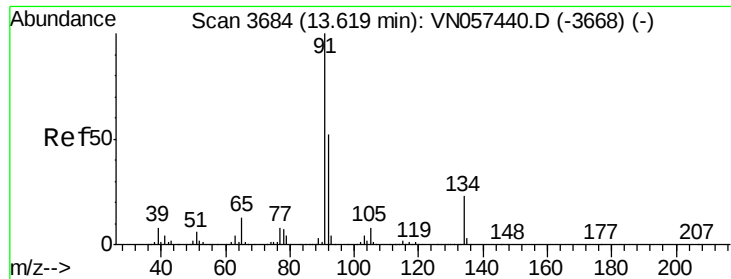
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 8/23/2019 2:40:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.740 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.9	65.5
148	62.7	31.1	93.2





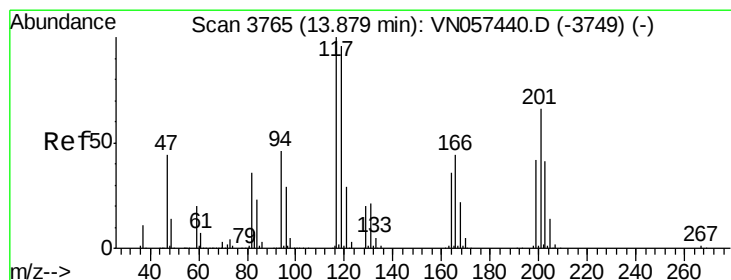
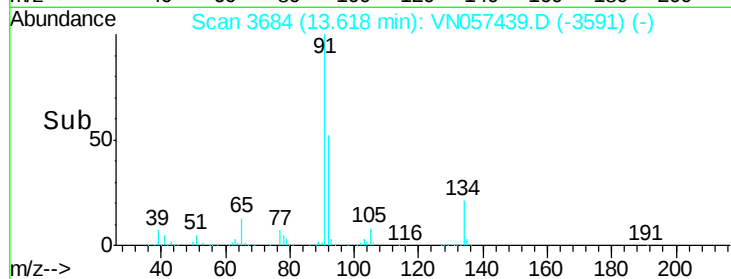
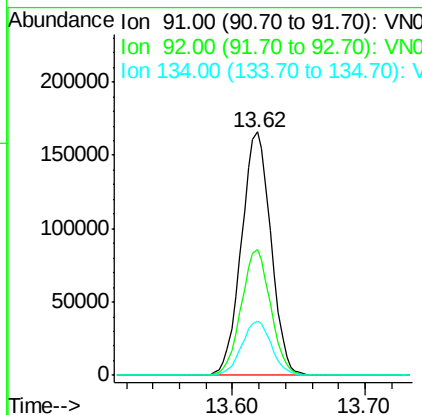
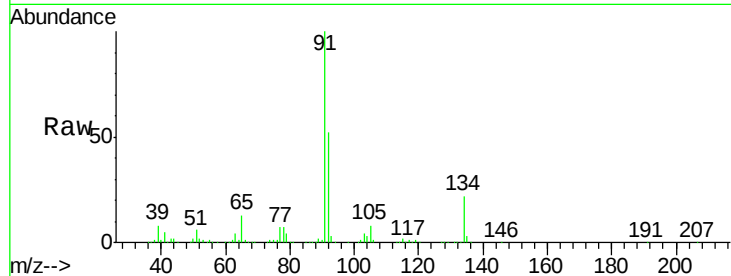
#89
n-Butylbenzene
Concen: 23.915 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	22.3	11.4	34.1

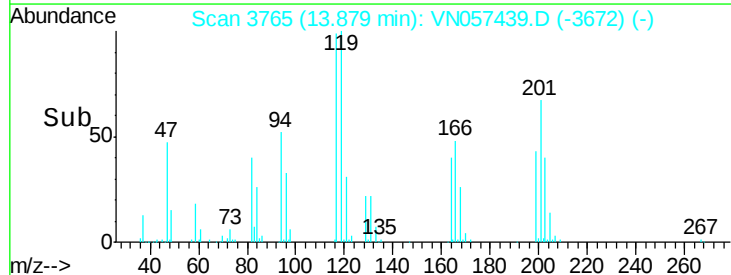
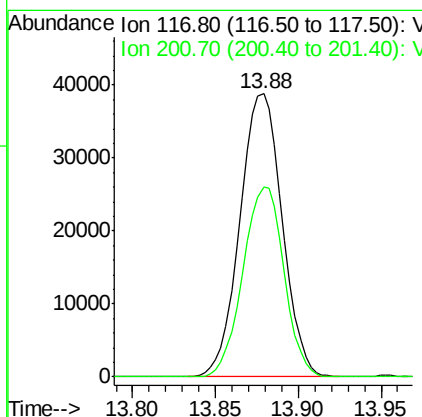
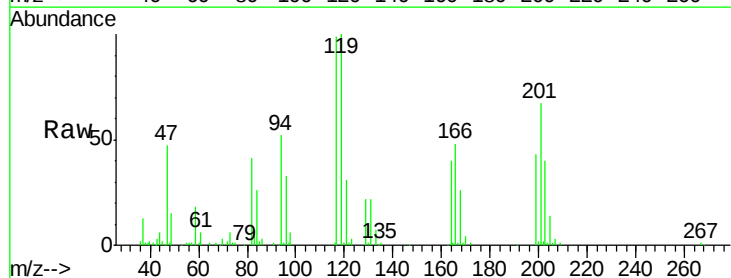
Manual Integrations
APPROVED

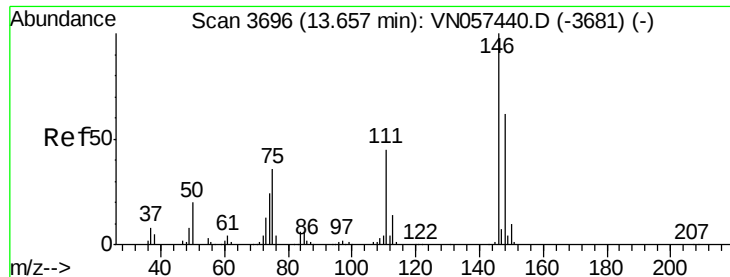
MMDadoda
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#90
Hexachloroethane
Concen: 22.642 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057439.D
Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	33.1	99.3





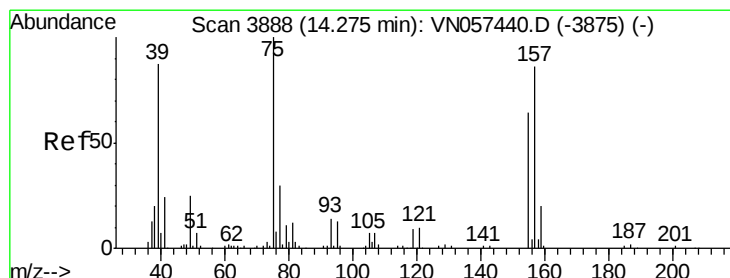
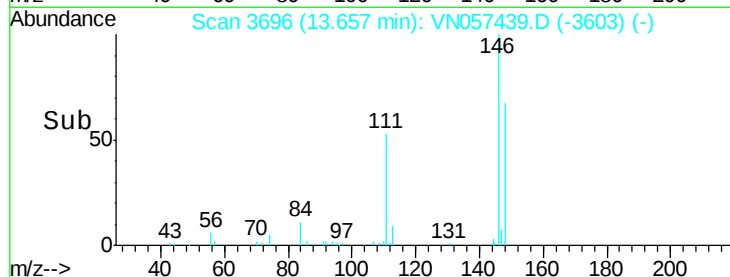
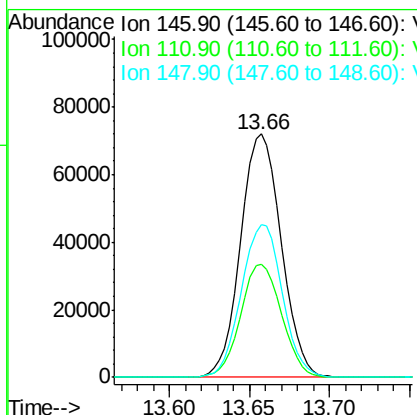
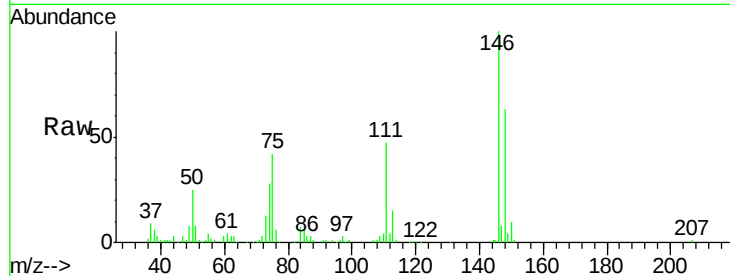
#91
 1,2-Dichlorobenzene
 Concen: 19.796 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.1	69.2
148	63.4	31.8	95.4

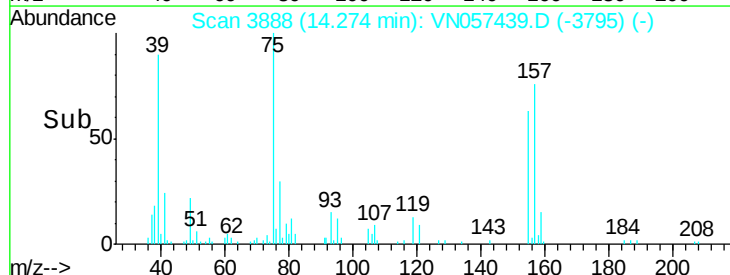
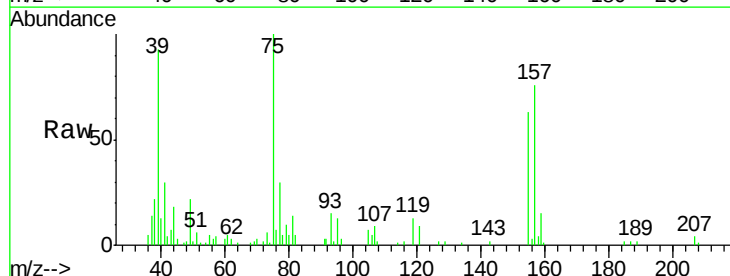
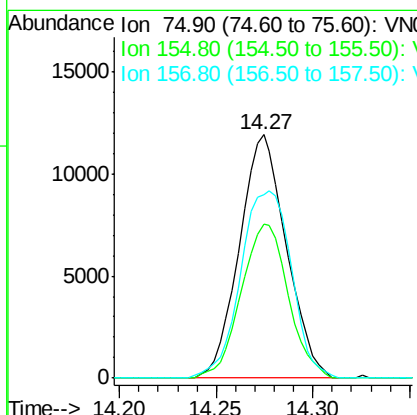
Manual Integrations
 APPROVED

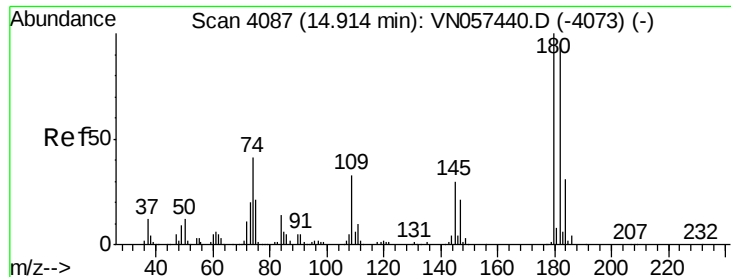
MMDadoda
 8/23/2019 2:40:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.161 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.4	31.6	94.7
157	83.3	43.3	129.8





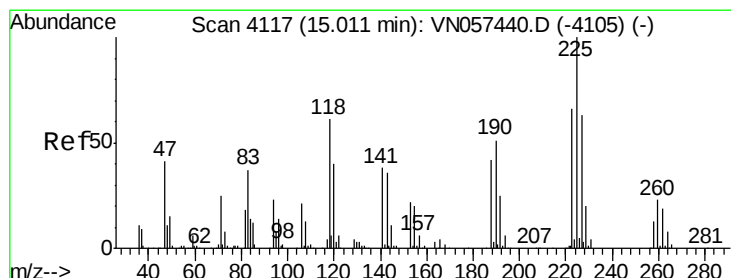
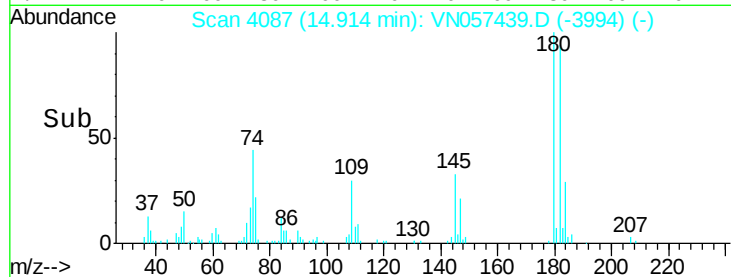
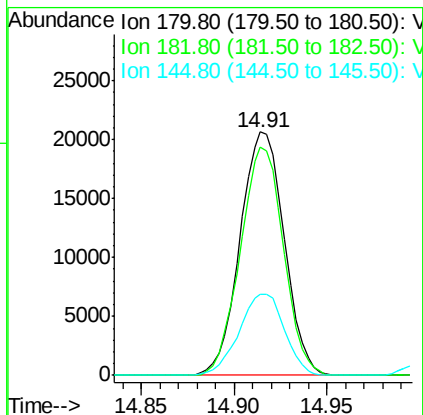
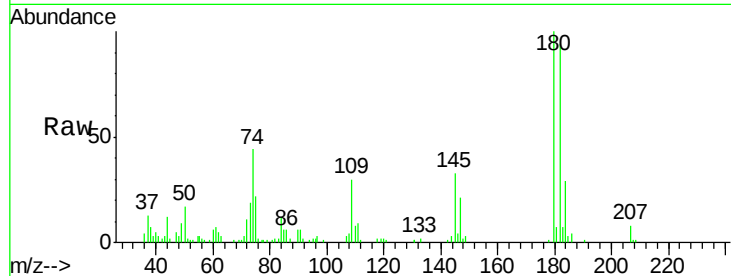
#93
 1,2,4-Trichlorobenzene
 Concen: 16.172 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.7	140.1
145	34.4	15.6	46.8

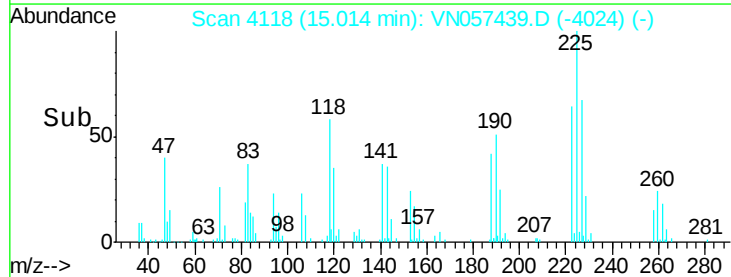
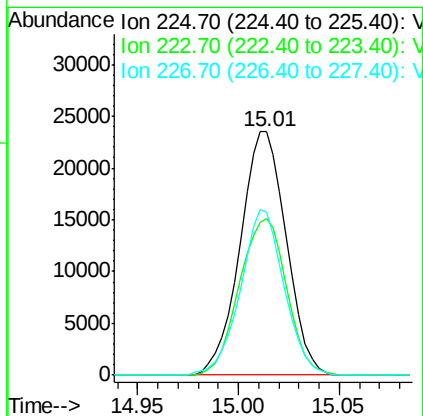
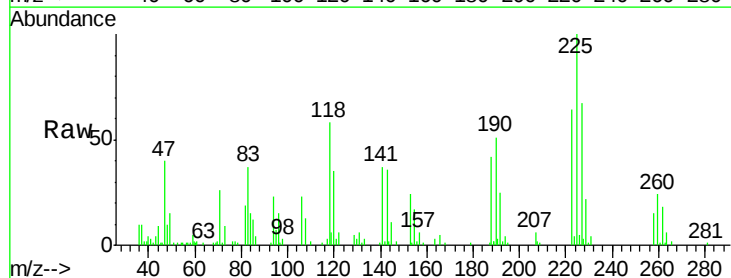
Manual Integrations
 APPROVED

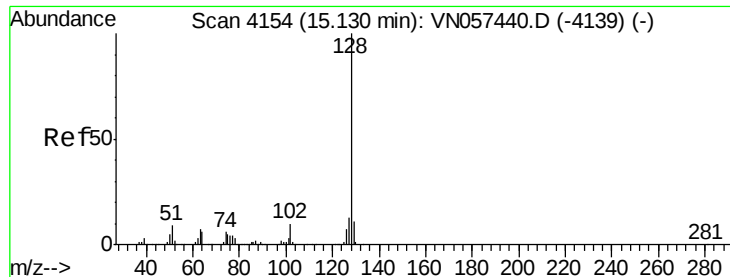
MMDadoda
 8/23/2019 2:40:05 PM



#94
 Hexachlorobutadiene
 Concen: 13.480 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057439.D
 Acq: 22 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.0	96.2
227	64.3	31.5	94.5





#95

Naphthalene

Concen: 23.782 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Instrument :

MSVOA_N

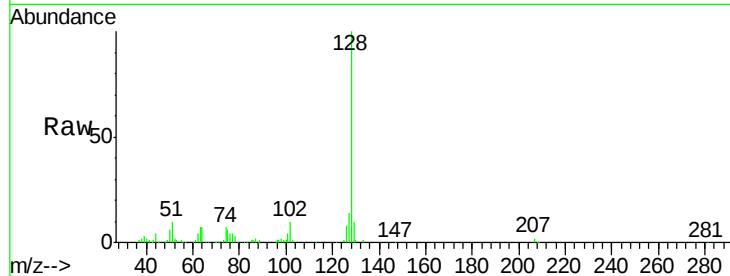
ClientSampleId :

VSTDIC020

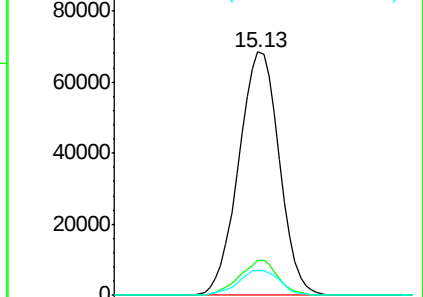
Tot Ion:	128	Resp:	116673
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

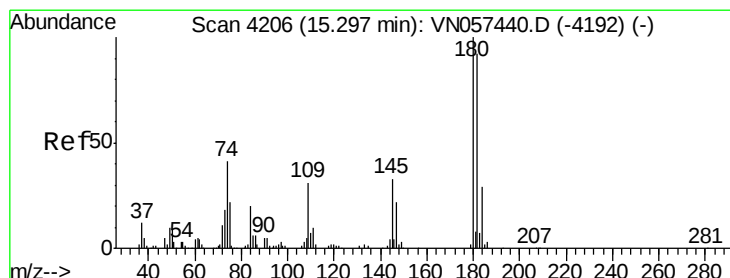
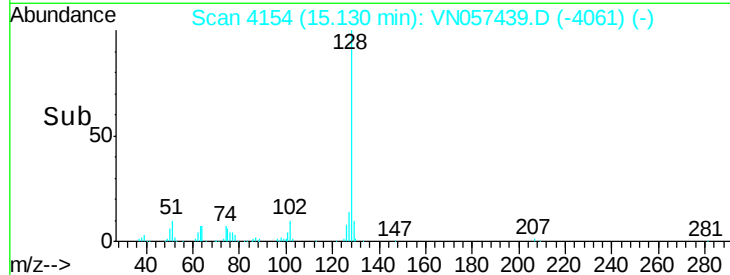
MMDadoda
8/23/2019 2:40:05 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.129 ug/l

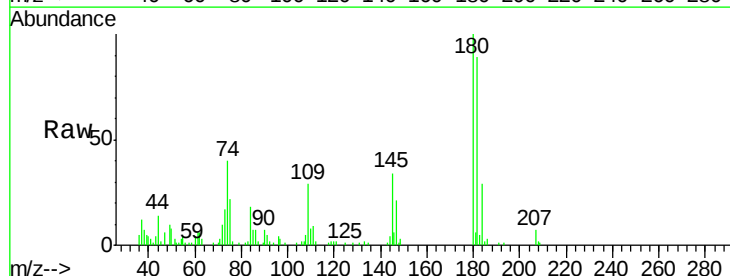
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

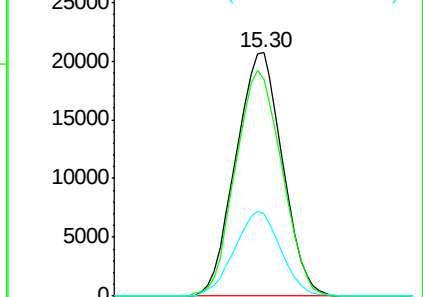
Lab File: VN057439.D

Acq: 22 Aug 2019 17:52

Tgt Ion:	180	Resp:	34678
Ion Ratio	Lower	Upper	
180	100		
182	92.2	46.7	140.1
145	34.5	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

