

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057440.D
 Acq On : 22 Aug 2019 18:17
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:09 PM

Quant Time: Aug 23 04:34:56 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	406058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	734947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	654917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	356562	71.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.86%	
35) Dibromofluoromethane	7.57	113	242174	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	959272	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.40	95	323959	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	237084	63.408	ug/l	100
3) Chloromethane	2.05	50	315949	69.537	ug/l	100
4) Vinyl Chloride	2.17	62	397016	86.311	ug/l	100
5) Bromomethane	2.54	94	235240	74.297	ug/l	100
6) Chloroethane	2.68	64	245936	80.075	ug/l	100
7) Trichlorofluoromethane	3.00	101	594322	83.603	ug/l	100
8) Diethyl Ether	3.39	74	218594	82.329	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	316660	77.947	ug/l	100
10) Methyl Iodide	3.92	142	260248	46.310	ug/l	100
11) Tert butyl alcohol	4.79	59	204977	305.851	ug/l	100
12) 1,1-Dichloroethene	3.71	96	316095	78.131	ug/l	100
13) Acrolein	3.58	56	189661	410.738	ug/l	100
14) Allyl chloride	4.29	41	446765	71.120	ug/l	100
15) Acrylonitrile	4.96	53	575456	318.567	ug/l	100
16) Acetone	3.80	43	522290	318.617	ug/l	100
17) Carbon Disulfide	4.02	76	594324	59.122	ug/l	100
18) Methyl Acetate	4.30	43	346955	52.230	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	760382	63.811	ug/l	100
20) Methylene Chloride	4.52	84	235988	53.531	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	218463	55.225	ug/l	100
22) Diisopropyl ether	5.93	45	924071	73.590	ug/l	100
23) Vinyl Acetate	5.87	43	3612698	361.354	ug/l	100
24) 1,1-Dichloroethane	5.82	63	477730	64.277	ug/l	100
25) 2-Butanone	6.82	43	827390	343.706	ug/l	100
26) 2,2-Dichloropropane	6.80	77	406406	67.101	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263238	56.028	ug/l	100
28) Bromochloromethane	7.18	49	283492	80.125	ug/l	100
29) Tetrahydrofuran	7.20	42	551561	357.534	ug/l	100
30) Chloroform	7.36	83	465547	60.515	ug/l	100
31) Cyclohexane	7.64	56	468621	69.136	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	408953	63.192	ug/l	100
36) 1,1-Dichloropropene	7.78	75	344731	52.111	ug/l	100
37) Ethyl Acetate	6.91	43	350415	62.961	ug/l	100
38) Carbon Tetrachloride	7.76	117	346449	50.893	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	421992	54.364	ug/l	100
40) Benzene	8.03	78	1039016	51.648	ug/l	100
41) Methacrylonitrile	7.15	41	160096	63.034	ug/l	100
42) 1,2-Dichloroethane	8.11	62	395553	57.905	ug/l	100
43) Isopropyl Acetate	8.16	43	636163	53.155	ug/l	100
44) Trichloroethene	8.82	130	238261	43.406	ug/l	100
45) 1,2-Dichloropropane	9.11	63	287670	54.745	ug/l	100
46) Dibromomethane	9.20	93	181536	52.320	ug/l	100
47) Bromodichloromethane	9.39	83	380785	54.952	ug/l	100
48) Methyl methacrylate	9.19	41	306456	65.716	ug/l	100
49) 1,4-Dioxane	9.20	88	75248	843.088	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1802074	311.998	ug/l	100
52) Toluene	10.15	92	617337	49.856	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	405793	54.381	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	444151	54.117	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	240333	49.396	ug/l	100
56) Ethyl methacrylate	10.43	69	399866	55.464	ug/l	100
57) 1,3-Dichloropropane	10.70	76	431172	52.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	513566	277.619	ug/l	100
59) 2-Hexanone	10.75	43	1242102	302.714	ug/l	100
60) Dibromochloromethane	10.90	129	259642	48.075	ug/l	100
61) 1,2-Dibromoethane	11.00	107	247567	48.072	ug/l	100
64) Tetrachloroethene	10.63	164	208873	38.070	ug/l	100
65) Chlorobenzene	11.43	112	610911	46.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	235949	46.567	ug/l	100
67) Ethyl Benzene	11.51	91	1224842	51.743	ug/l	100
68) m/p-Xylenes	11.62	106	862003	100.078	ug/l	100
69) o-Xylene	11.95	106	425074	50.201	ug/l	100
70) Styrene	11.96	104	699547	51.810	ug/l	100
71) Bromoform	12.13	173	165553	42.374	ug/l #	100
73) Isopropylbenzene	12.25	105	1143607	46.776	ug/l	100
74) N-amyl acetate	12.07	43	527378	66.868	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	324372	45.372	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	292242m	47.667	ug/l	
77) Bromobenzene	12.53	156	232609	37.712	ug/l	100
78) n-propylbenzene	12.59	91	1284783	52.174	ug/l	100
79) 2-Chlorotoluene	12.68	91	765689	48.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	943339	47.968	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110644	52.846	ug/l	100
82) 4-Chlorotoluene	12.77	91	743919	51.200	ug/l	100
83) tert-Butylbenzene	12.99	119	788569	43.588	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	907129	49.678	ug/l	100
85) sec-Butylbenzene	13.17	105	1056892	48.309	ug/l	100
86) p-Isopropyltoluene	13.29	119	892811	48.077	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	375707	43.707	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	366096	44.527	ug/l	100
89) n-Butylbenzene	13.62	91	784022	57.398	ug/l	100
90) Hexachloroethane	13.88	117	185891	47.939	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	365033	45.417	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57160	60.700	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 04:20:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122872	45.815	ug/l	100
94) Hexachlorobutadiene	15.01	225	98805	27.852	ug/l	100
95) Naphthalene	15.13	128	407976	65.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	123815	48.027	ug/l	100

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

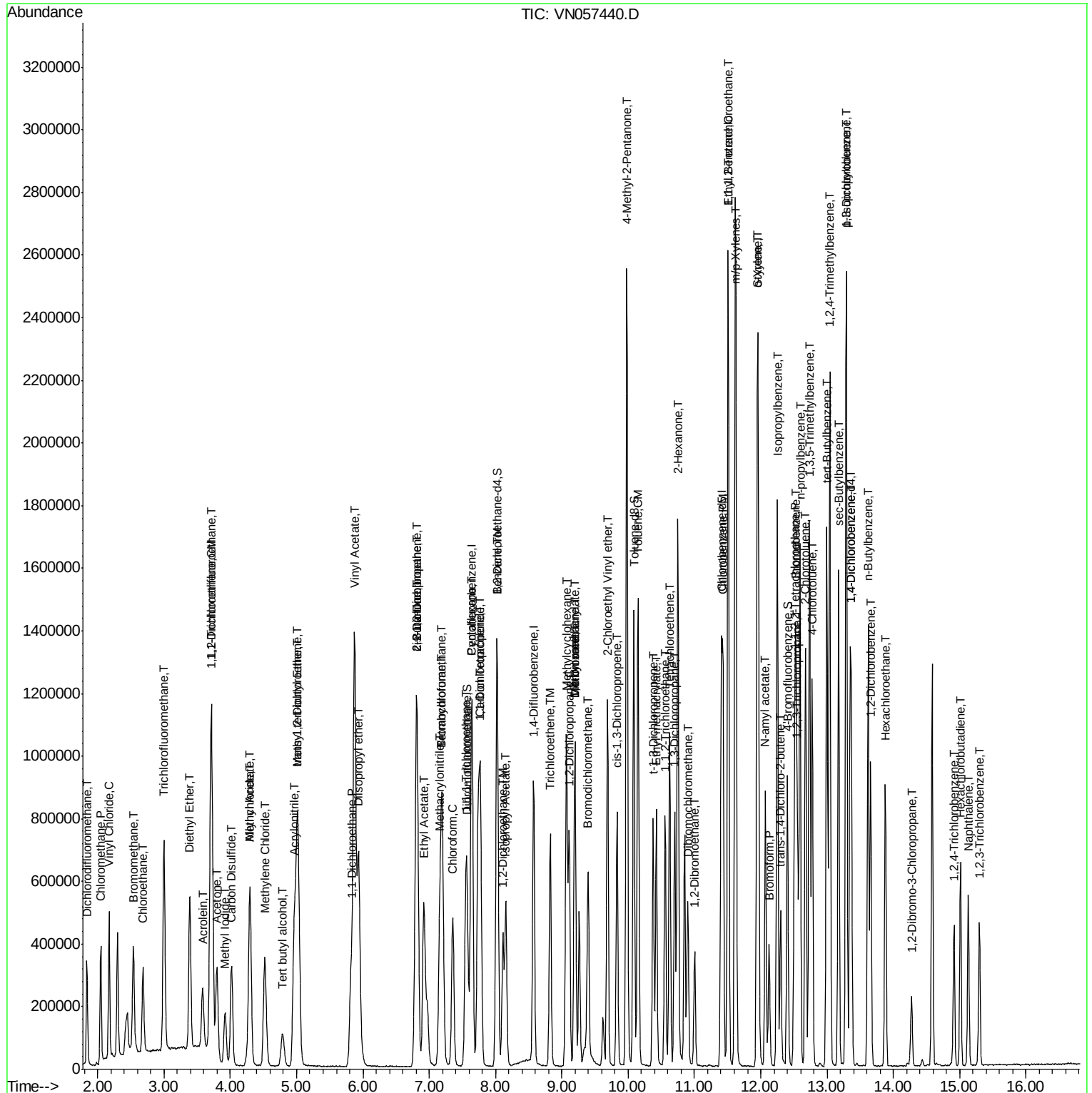
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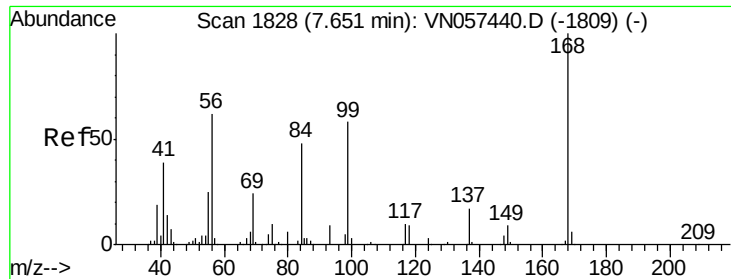
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 406058

Ion Ratio Lower Upper

168 100

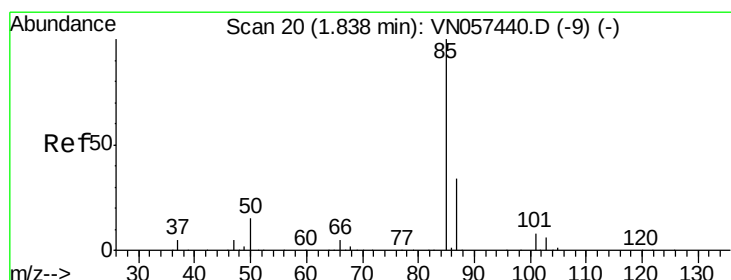
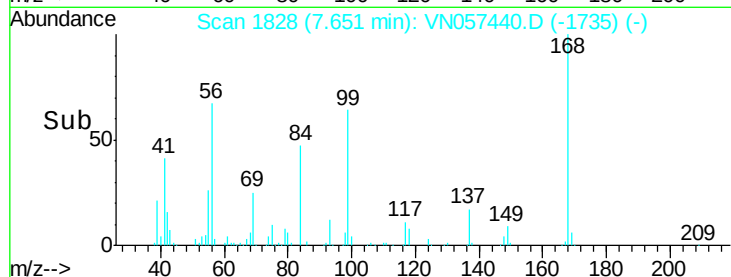
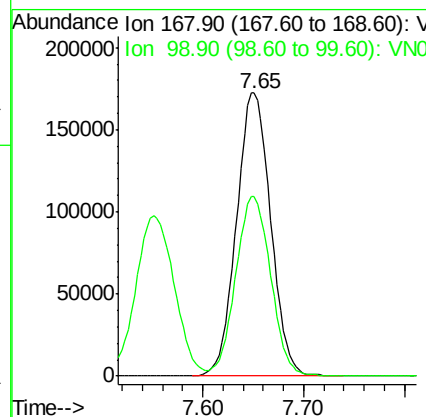
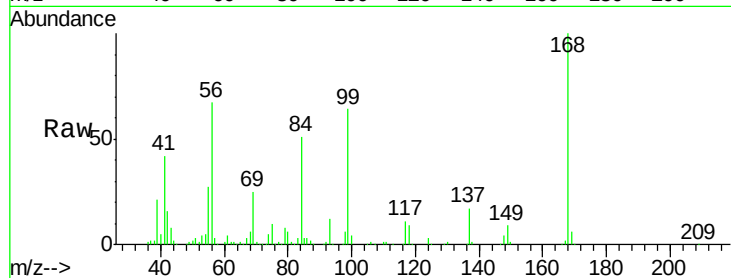
99 63.3 50.6 76.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 63.408 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057440.D

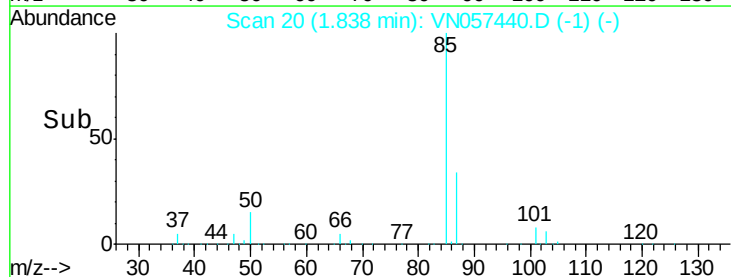
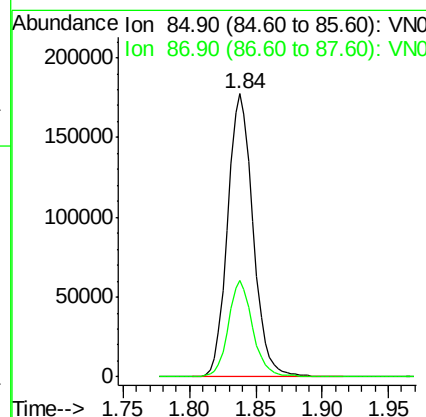
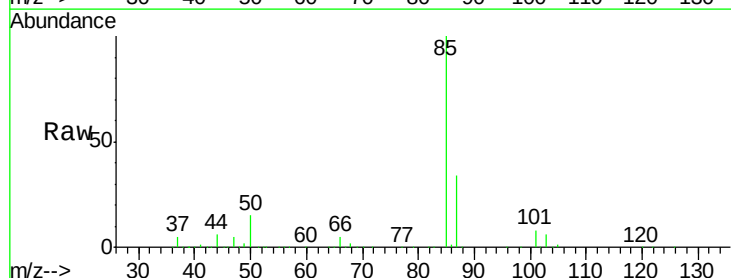
Acq: 22 Aug 2019 18:17

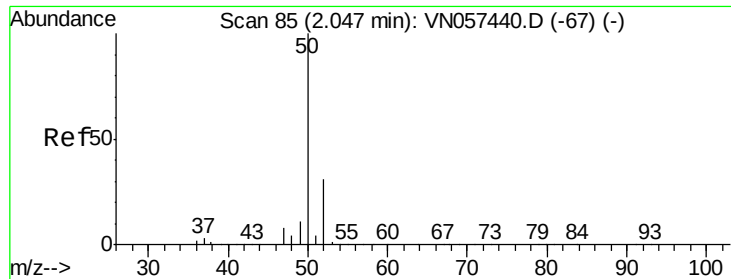
Tgt Ion: 85 Resp: 237084

Ion Ratio Lower Upper

85 100

87 34.1 17.1 51.2





#3

Chloromethane

Concen: 69.537 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 315949

Ion Ratio Lower Upper

50 100

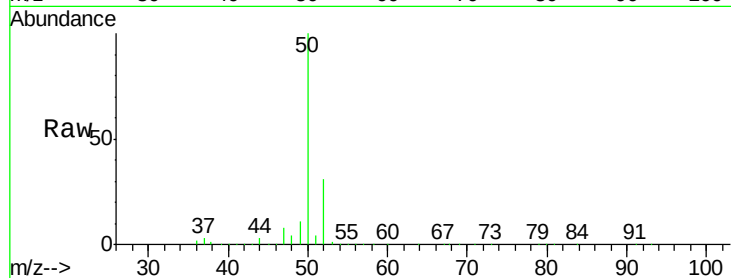
52 31.4 25.1 37.7

Manual Integrations

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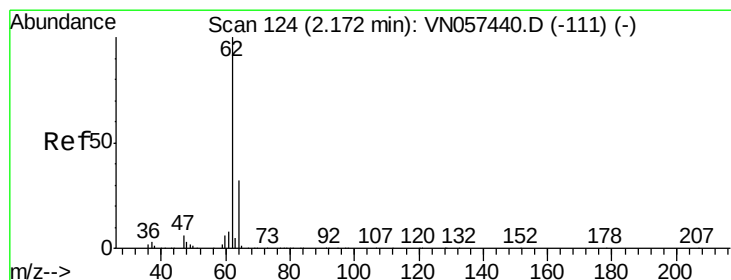
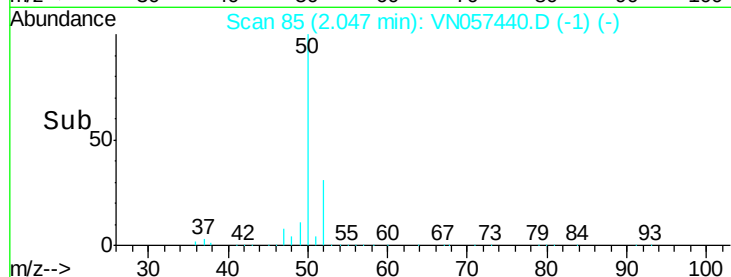
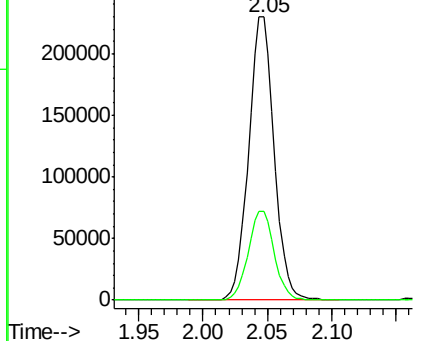
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 86.311 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057440.D

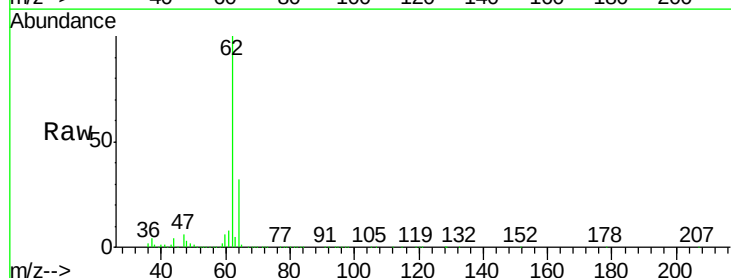
Acq: 22 Aug 2019 18:17

Tgt Ion: 62 Resp: 397016

Ion Ratio Lower Upper

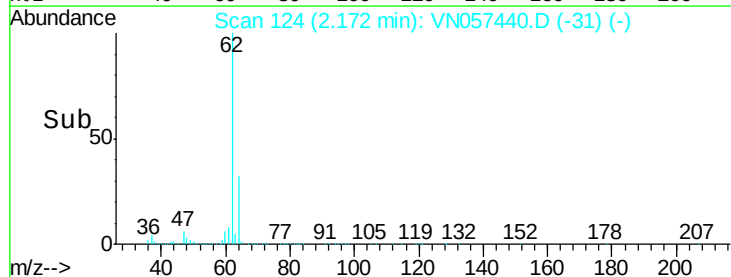
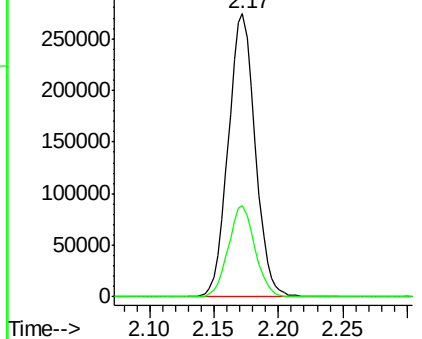
62 100

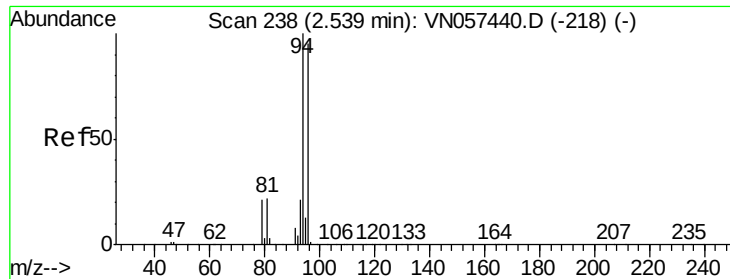
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 74.297 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

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VSTDICCC050

Tot Ion: 94 Resp: 235240

Ion Ratio Lower Upper

94 100

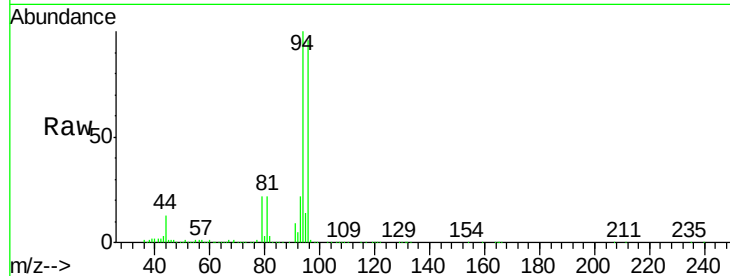
96 95.3 76.2 114.4

Manual Integrations

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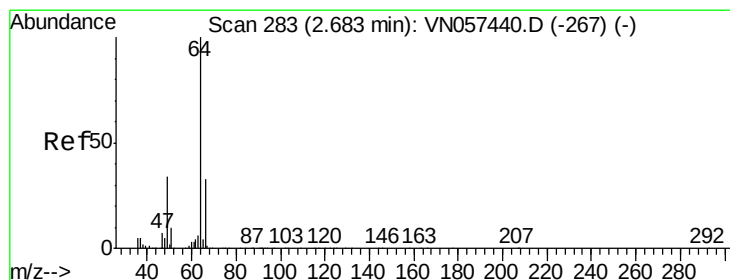
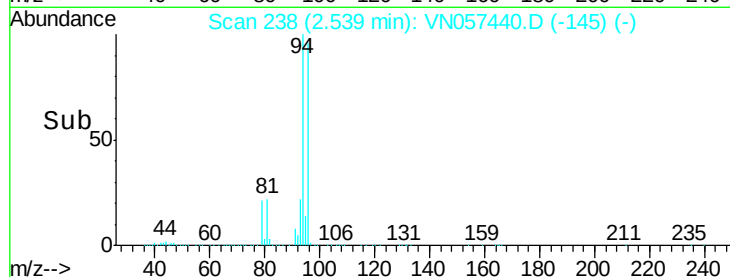
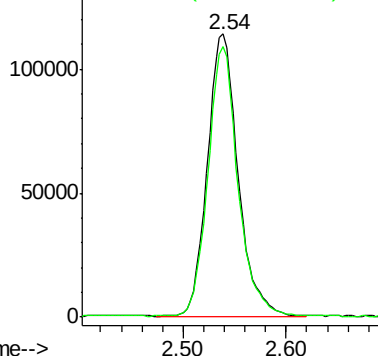
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 80.075 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN057440.D

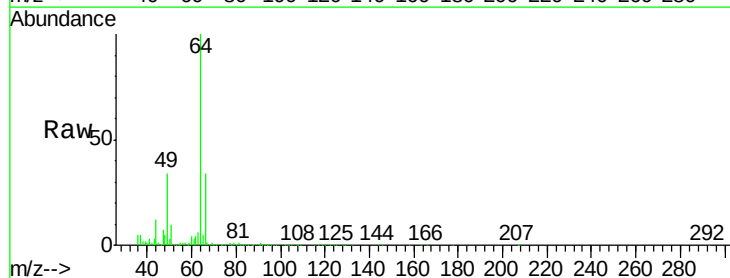
Acq: 22 Aug 2019 18:17

Tgt Ion: 64 Resp: 245936

Ion Ratio Lower Upper

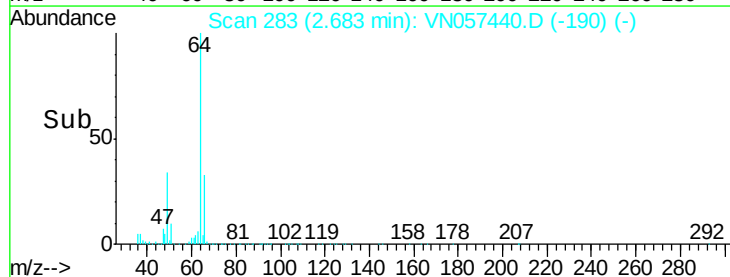
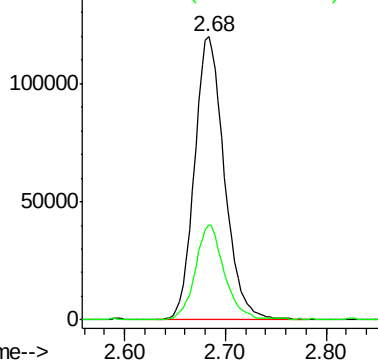
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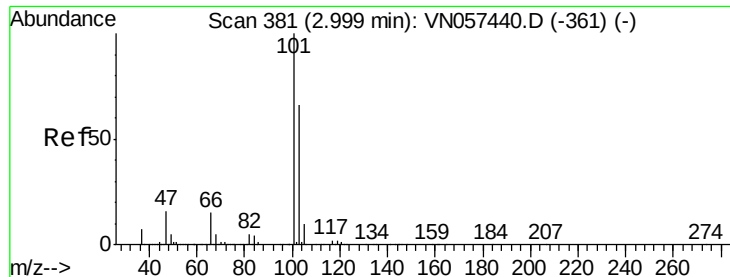
66 33.5 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

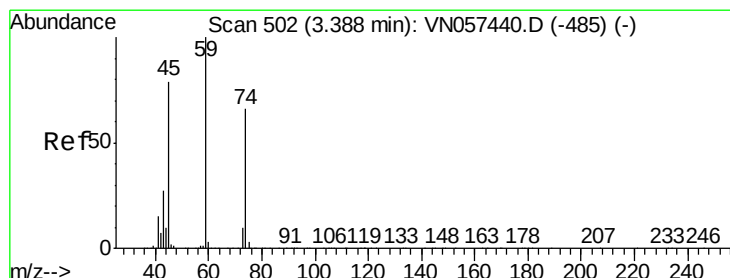
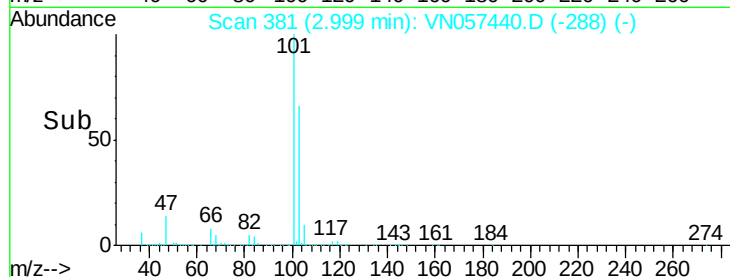
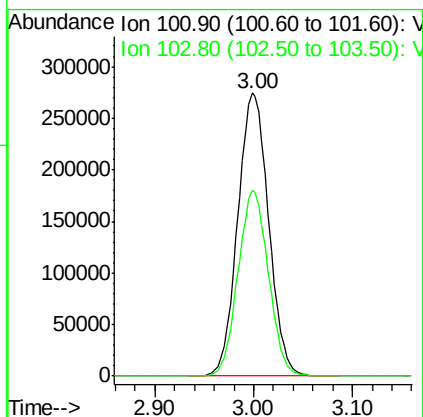
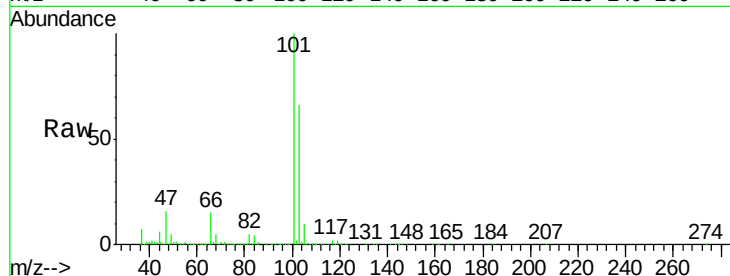
Trichlorofluoromethane
Concen: 83.603 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

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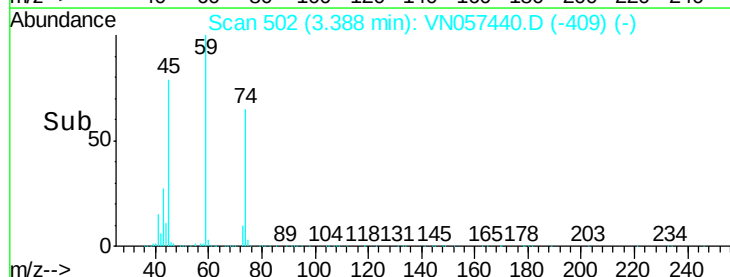
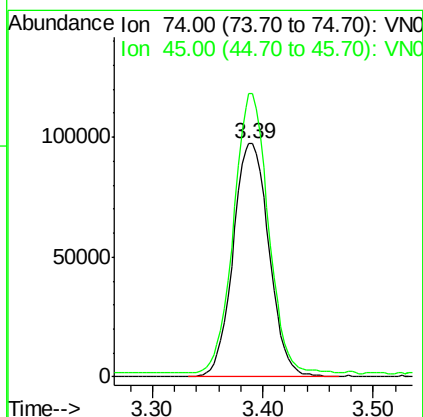
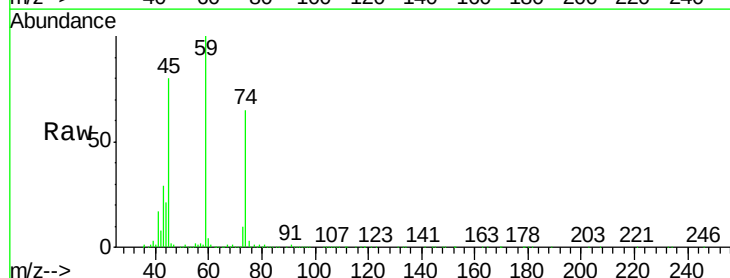
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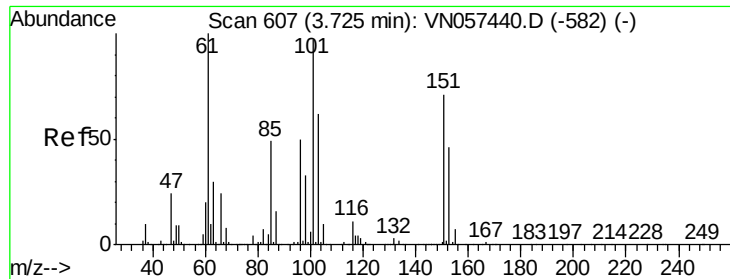


#8

Diethyl Ether
Concen: 82.329 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.7	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.947 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

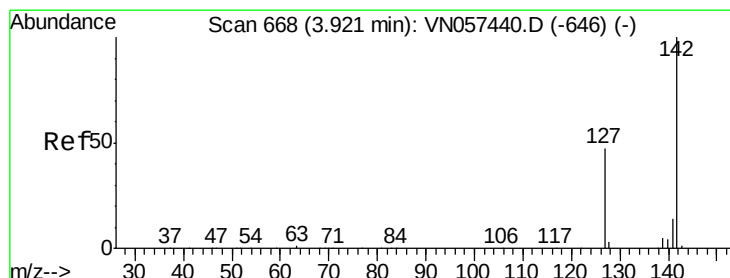
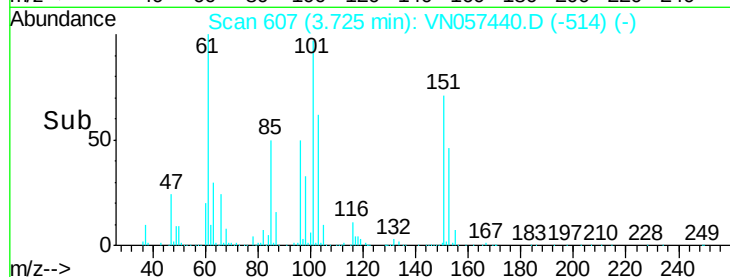
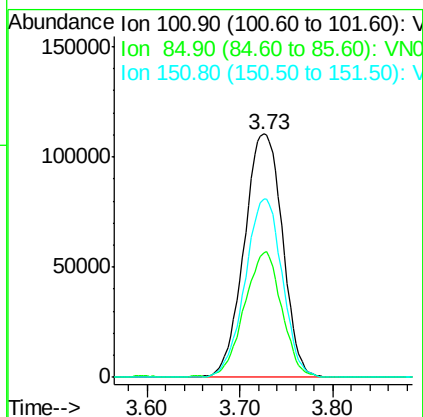
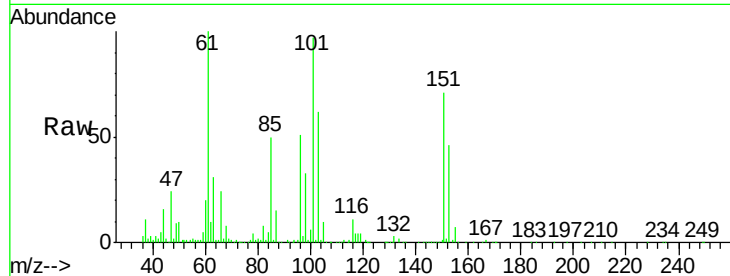
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	316660
Ion Ratio	Lower	Upper	
101	100		
85	50.0	40.0	60.0
151	71.3	57.0	85.6

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#10

Methyl Iodide

Concen: 46.310 ug/l

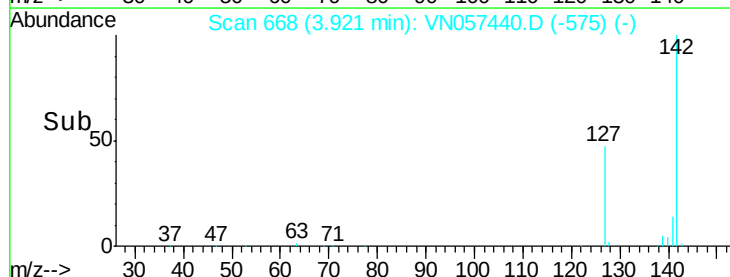
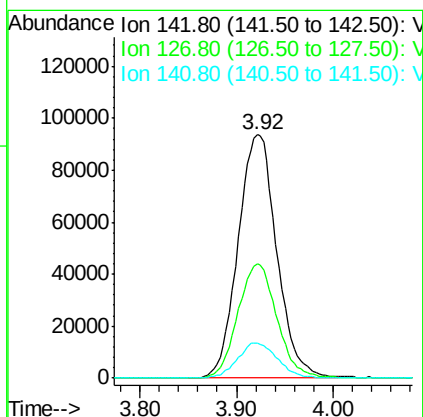
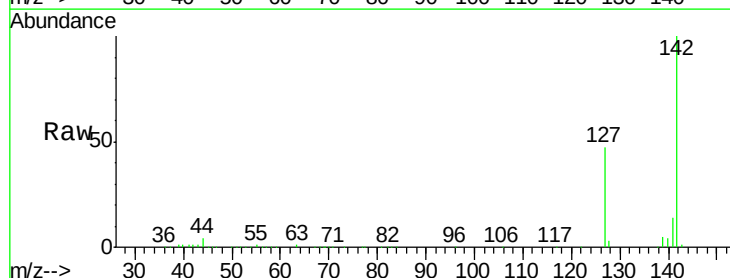
RT: 3.92 min Scan# 668

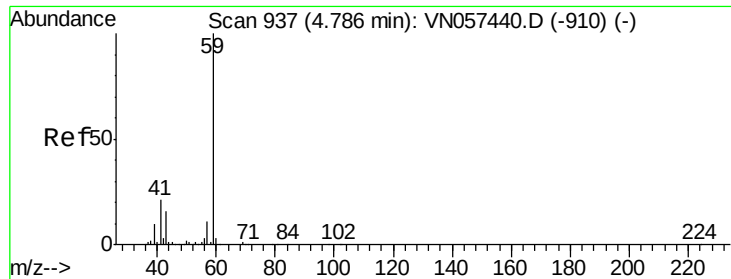
Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion:	142	Resp:	260248
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.8	56.8
141	14.9	11.9	17.9





#11

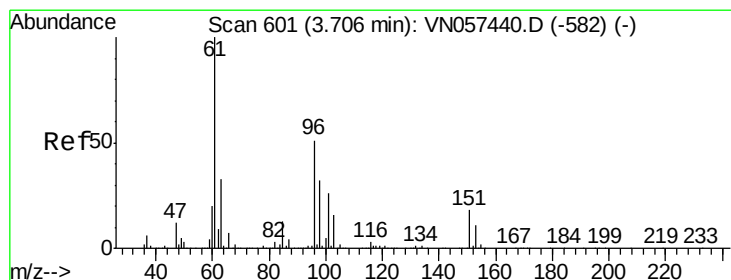
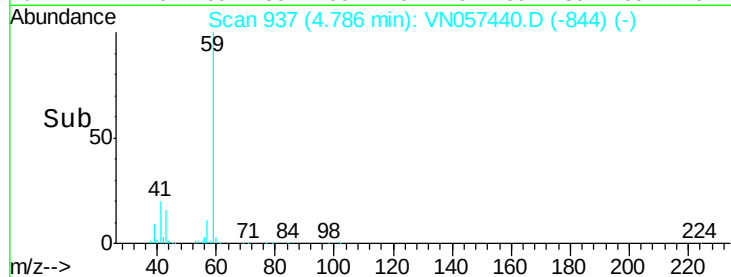
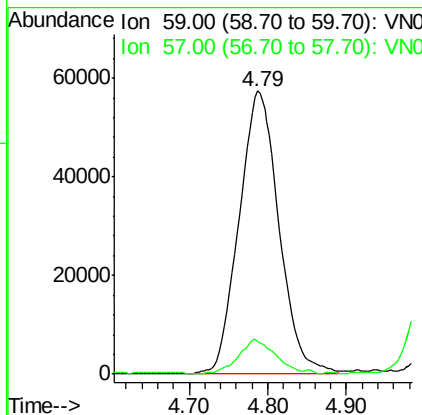
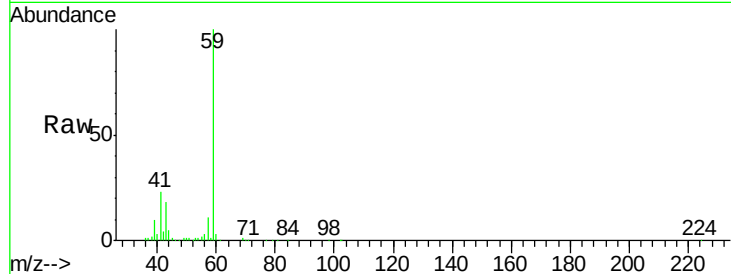
Tert butyl alcohol
 Concen: 305.851 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.1	13.7

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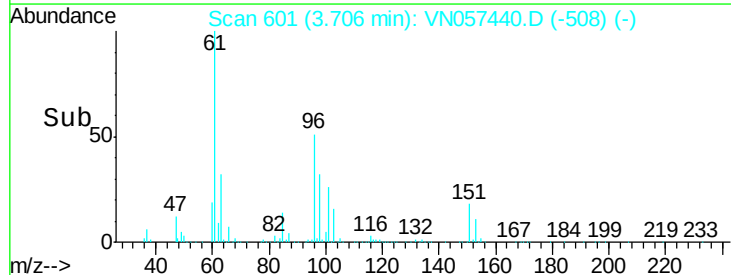
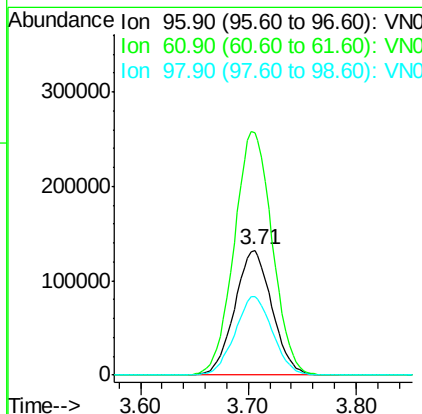
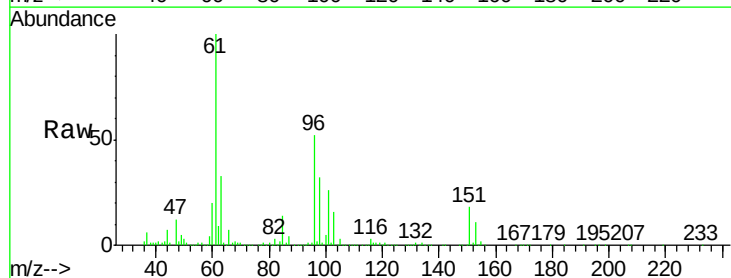
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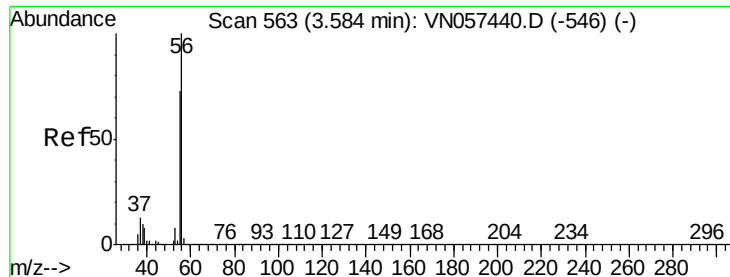


#12

1,1-Dichloroethene
 Concen: 78.131 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.1	155.3	232.9
98	62.7	50.2	75.2





#13

Acrolein

Concen: 410.738 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 189661

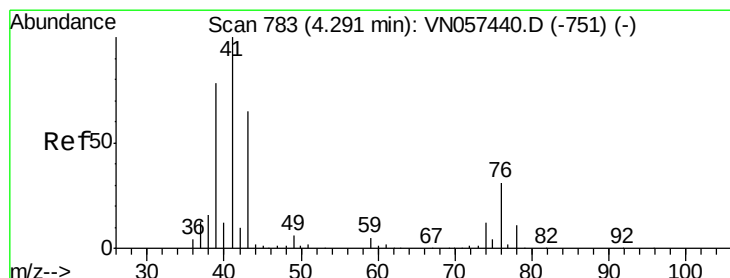
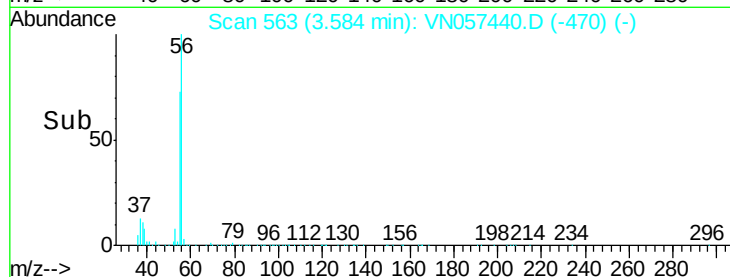
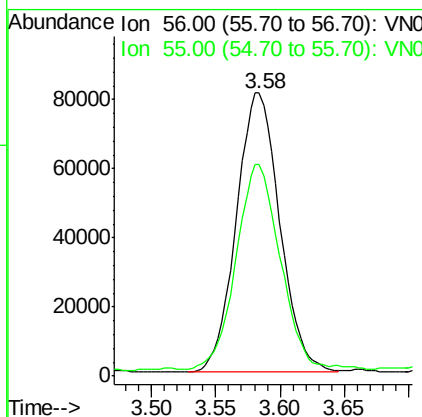
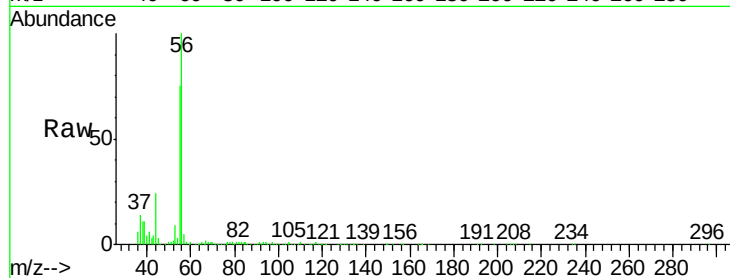
Ion Ratio Lower Upper

56 100

55 73.7 59.0 88.4

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#14

Allyl chloride

Concen: 71.120 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

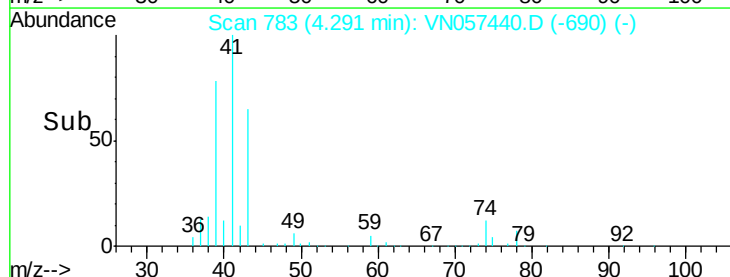
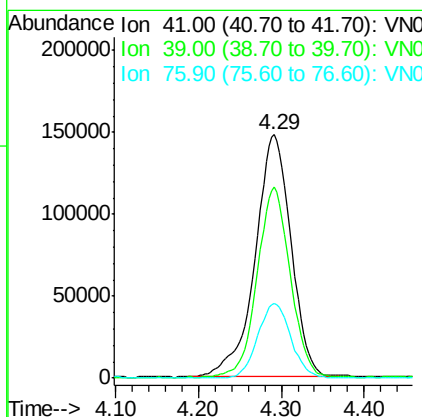
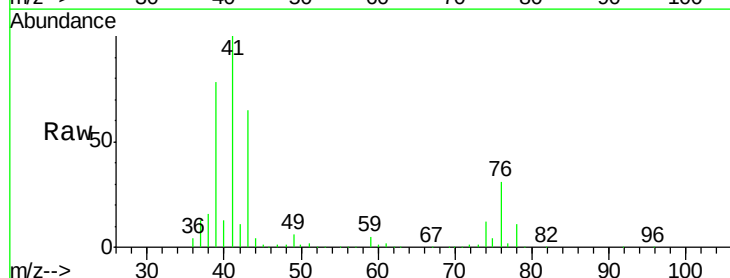
Tgt Ion: 41 Resp: 446765

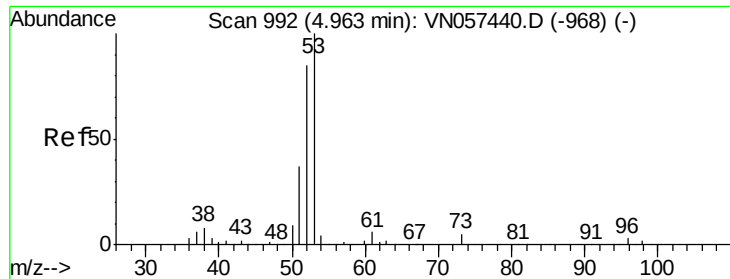
Ion Ratio Lower Upper

41 100

39 71.8 57.4 86.2

76 28.6 22.9 34.3





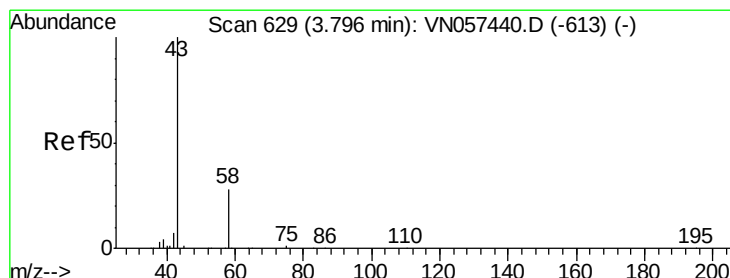
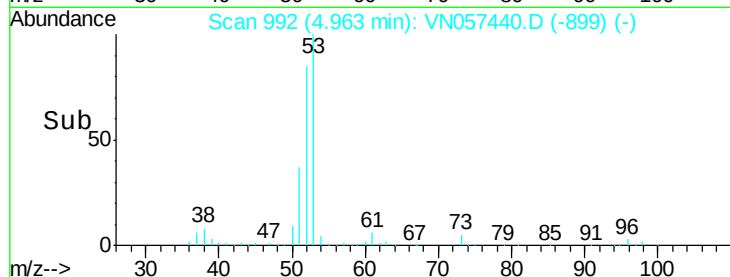
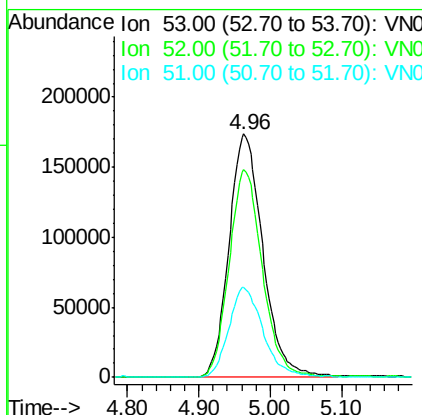
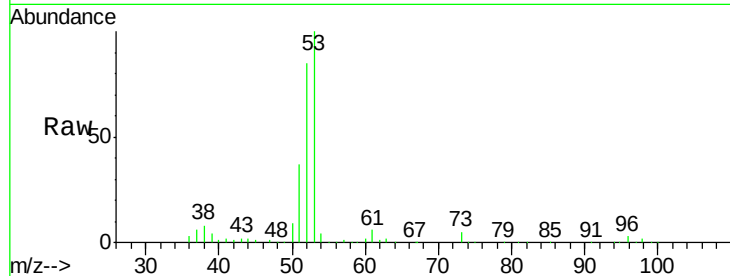
#15
 Acrylonitrile
 Concen: 318.567 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	575456
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.6
51	37.4	29.9	44.9

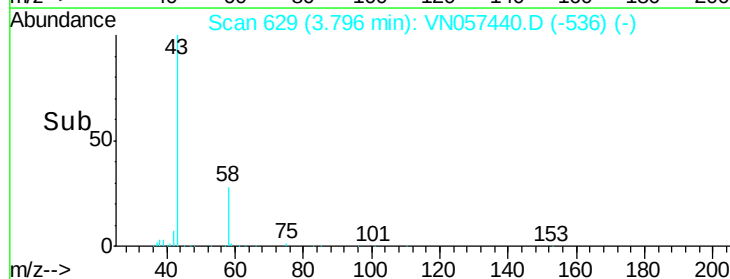
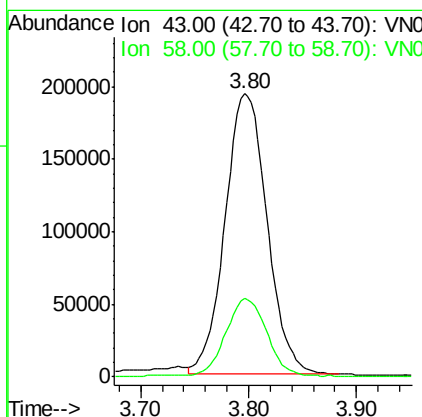
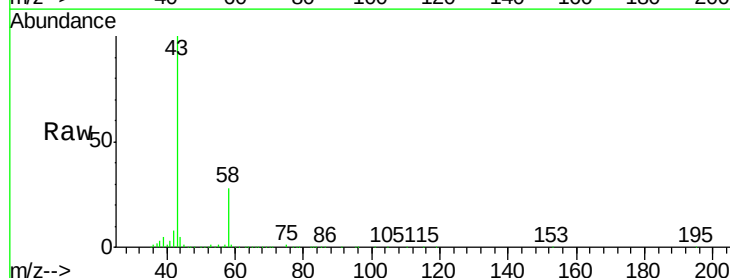
Manual Integrations
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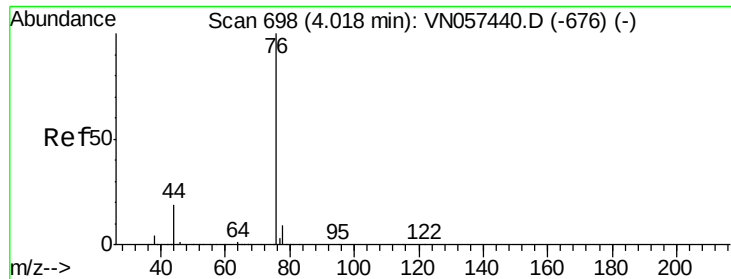
MMDadoda
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#16
 Acetone
 Concen: 318.617 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion:	43	Resp:	522290
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





#17

Carbon Disulfide

Concen: 59.122 ug/l

RT: 4.02 min Scan# 698

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 594324

Ion Ratio Lower Upper

76 100

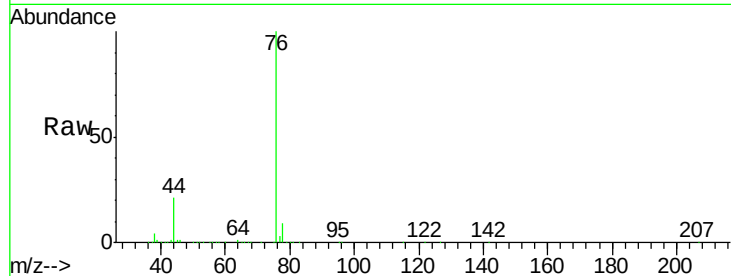
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

250000

200000

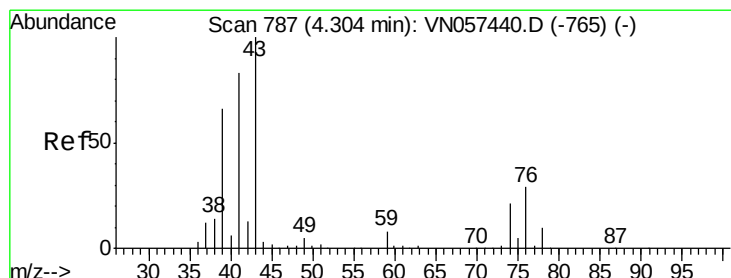
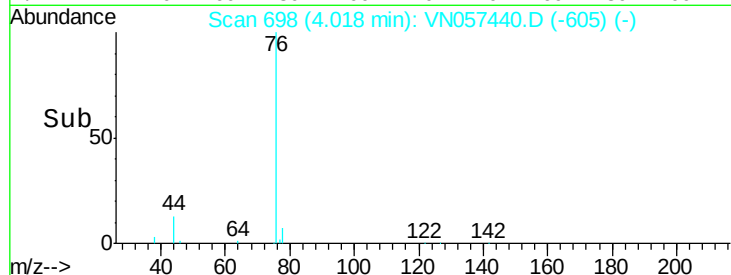
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.230 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057440.D

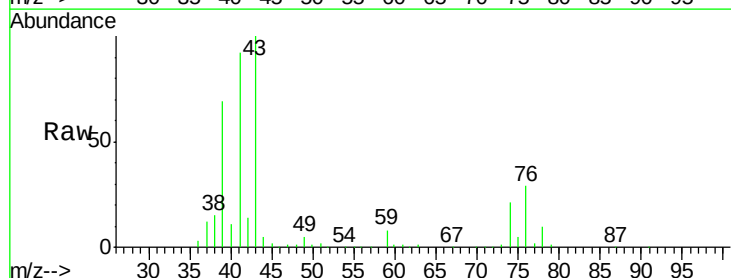
Acq: 22 Aug 2019 18:17

Tgt Ion: 43 Resp: 346955

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

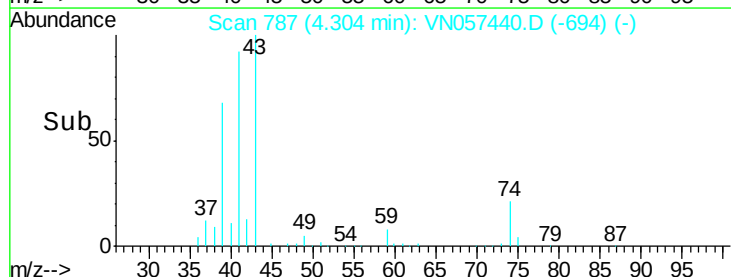
150000

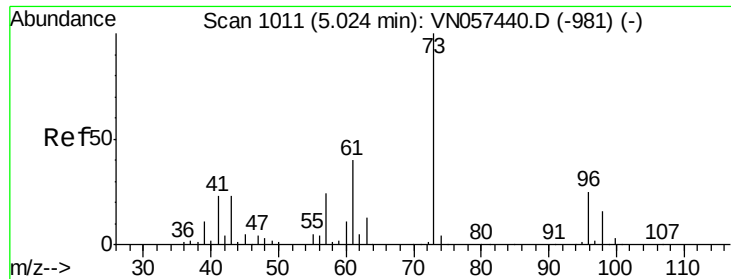
100000

50000

0

Time-->





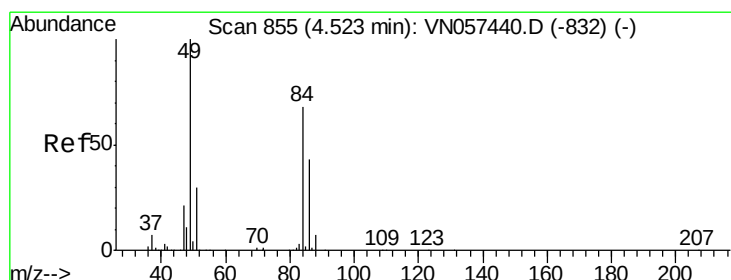
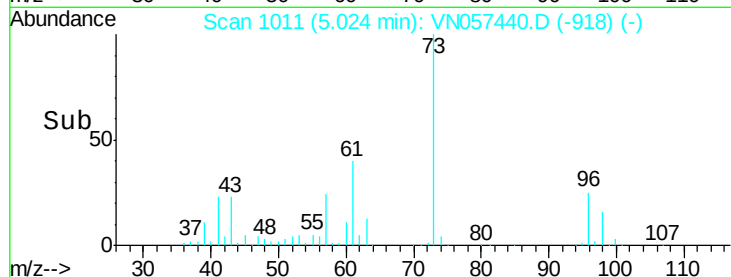
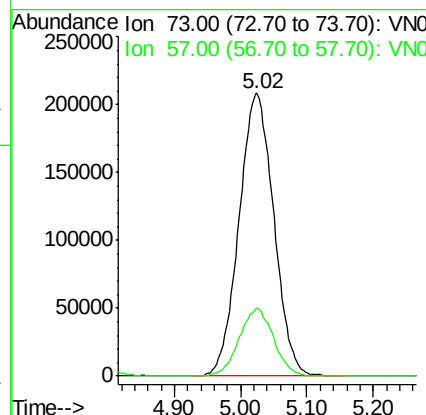
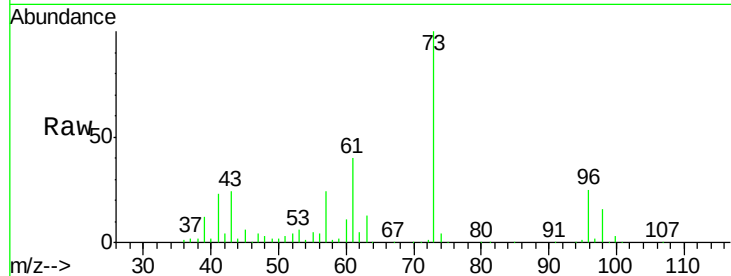
#19
Methyl tert-butyl Ether
Concen: 63.811 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.1	28.7

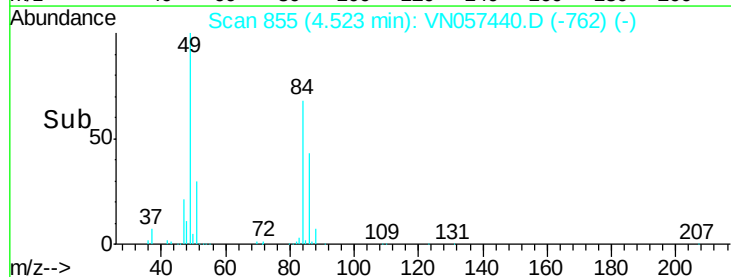
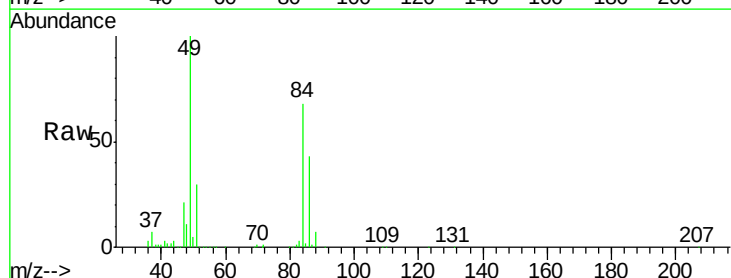
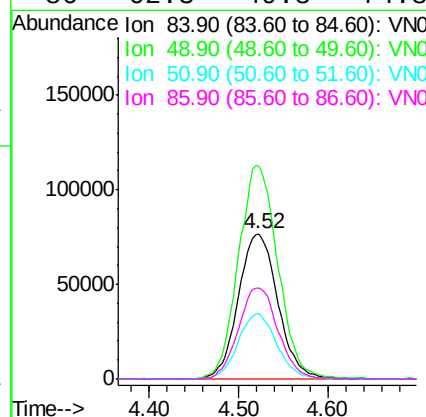
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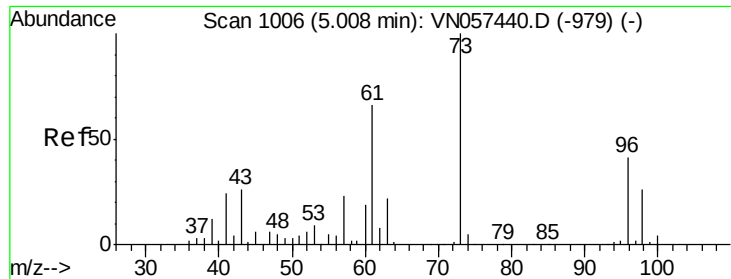
MMDadoda
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#20
Methylene Chloride
Concen: 53.531 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	117.0	175.4
51	44.4	35.5	53.3
86	62.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 55.225 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

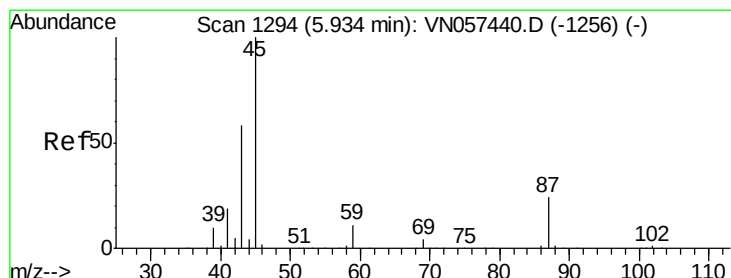
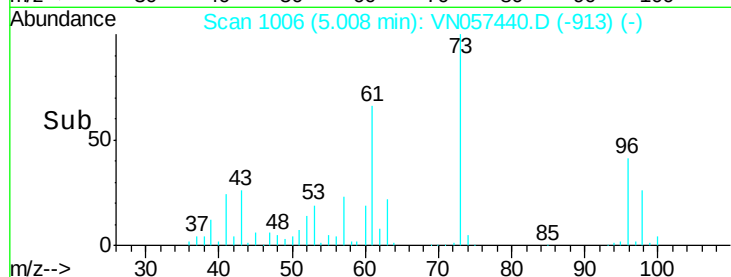
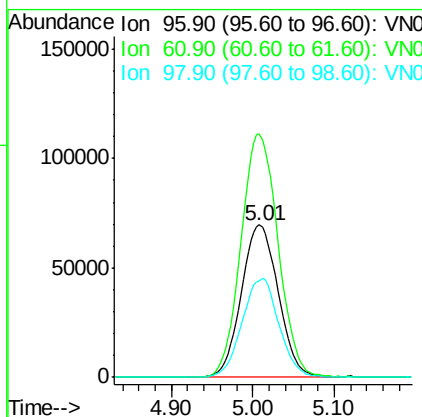
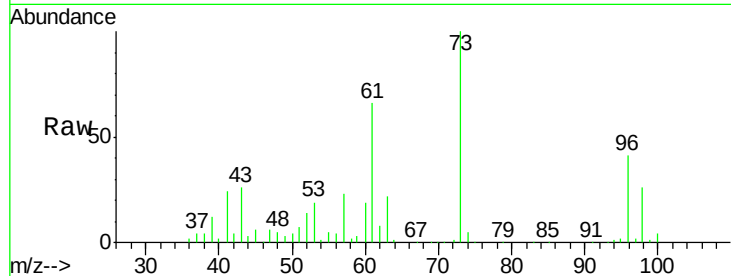
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	218463
Ion	Ratio	Lower	Upper
96	100		
61	159.9	127.9	191.9
98	63.3	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 73.590 ug/l

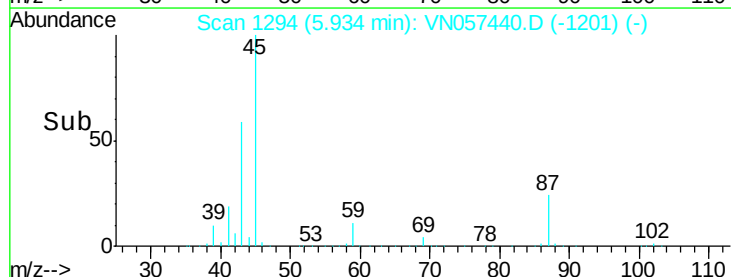
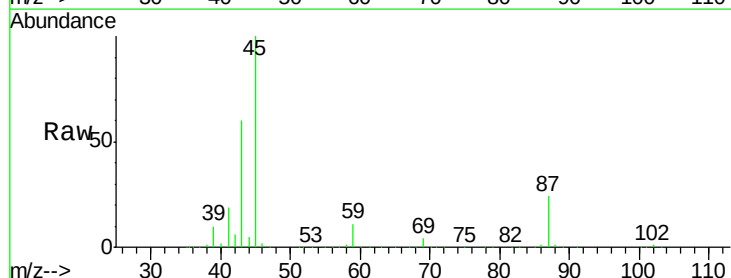
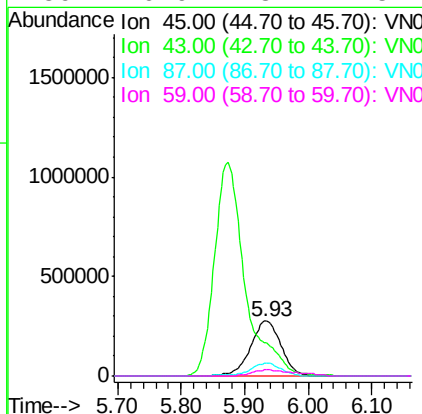
RT: 5.93 min Scan# 1294

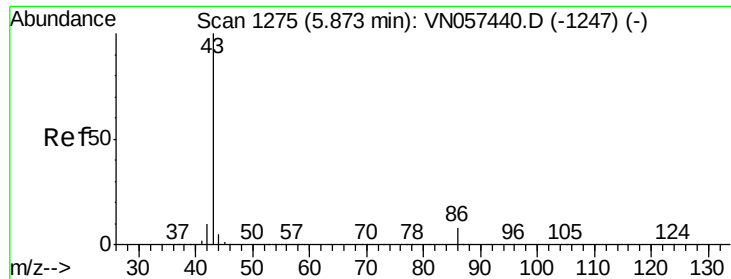
Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion:	45	Resp:	924071
Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.9	70.3
87	24.1	19.3	28.9
59	10.9	8.7	13.1





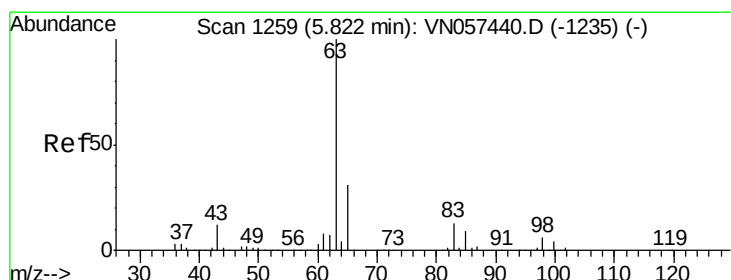
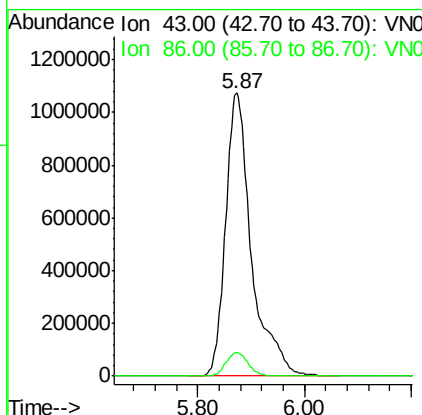
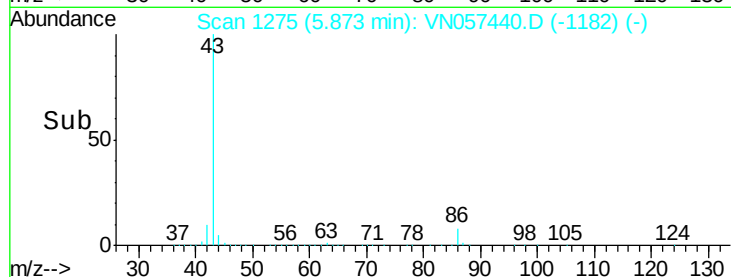
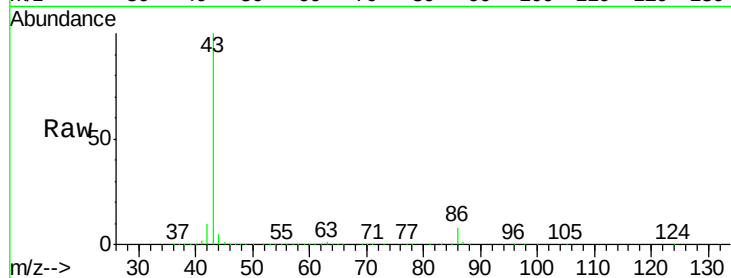
#23
 Vinyl Acetate
 Concen: 361.354 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3612698
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.7 10.1

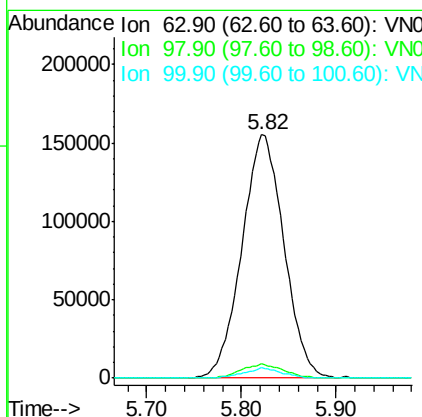
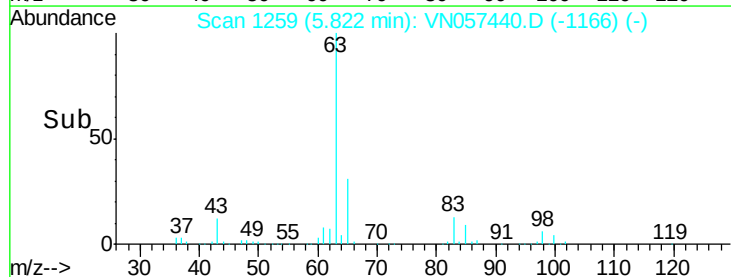
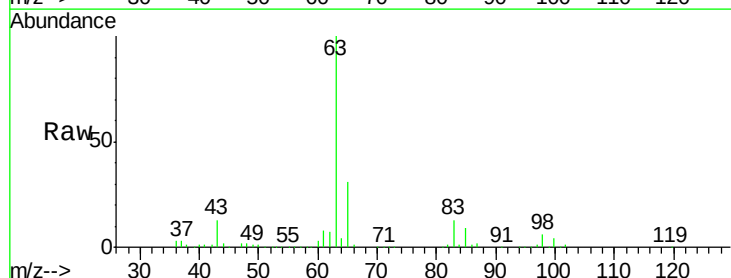
Manual Integrations
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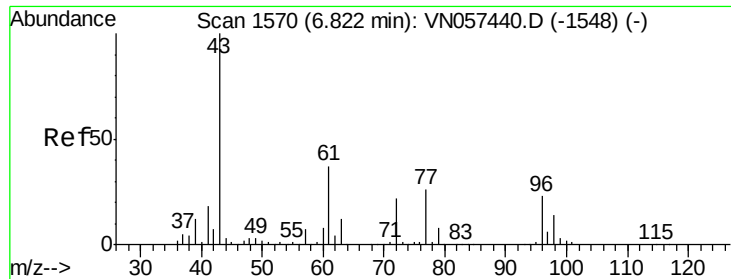
MMDadoda
 8/23/2019 2:40:09 PM



#24
 1,1-Dichloroethane
 Concen: 64.277 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion: 63 Resp: 477730
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 343.706 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 827390

Ion Ratio Lower Upper

43 100

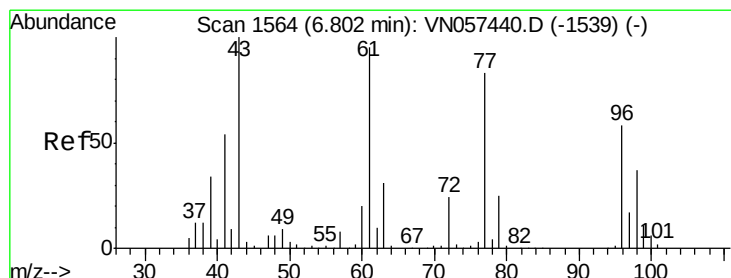
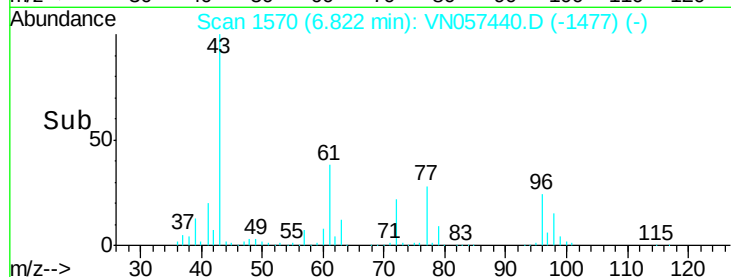
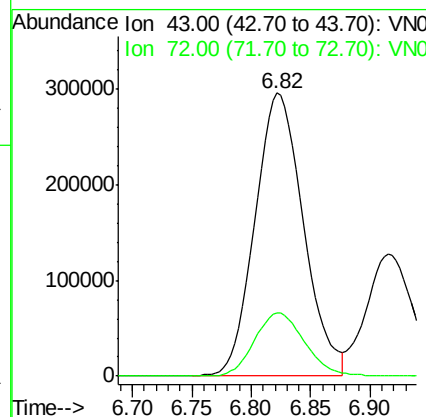
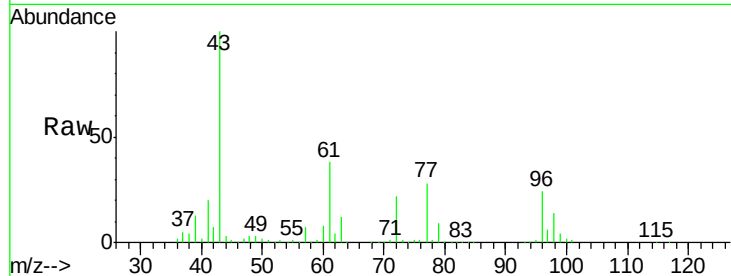
72 22.3 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 67.101 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057440.D

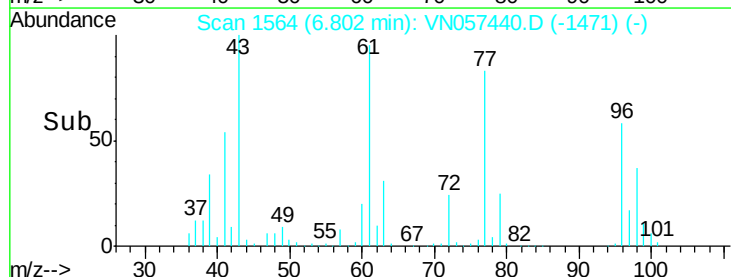
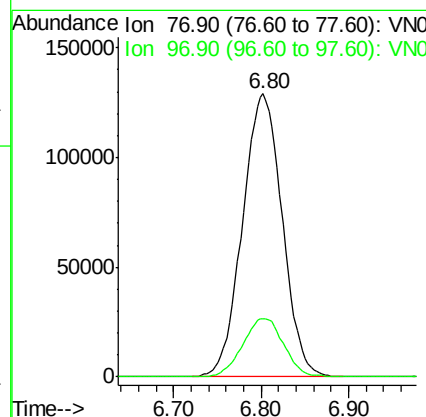
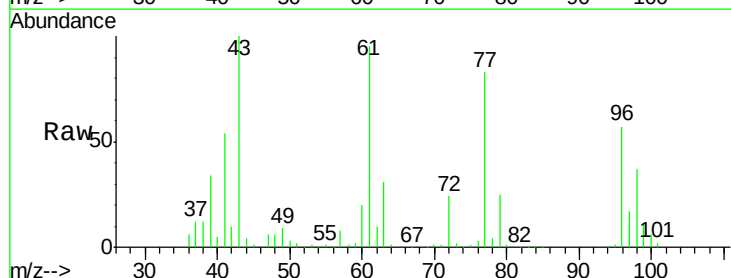
Acq: 22 Aug 2019 18:17

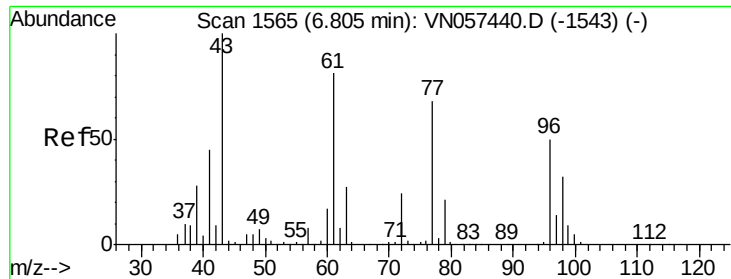
Tgt Ion: 77 Resp: 406406

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





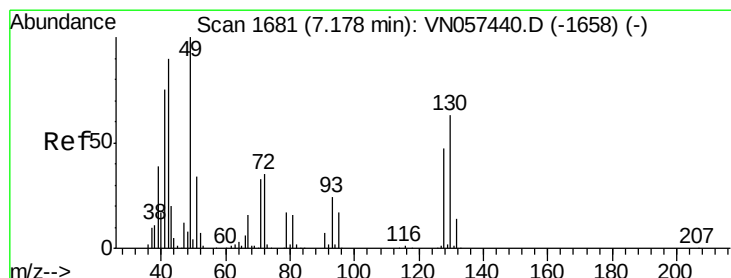
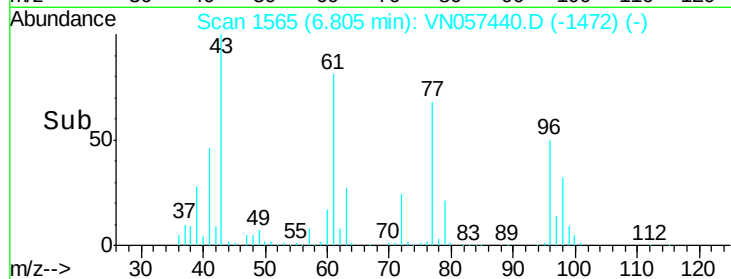
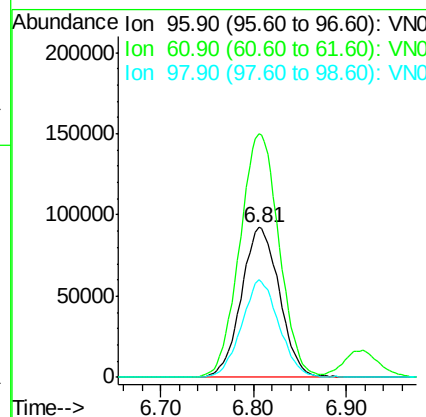
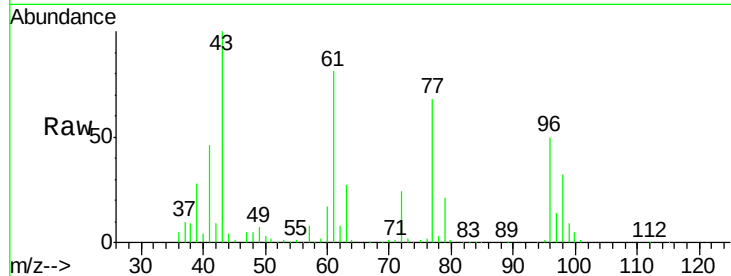
#27
 cis-1,2-Dichloroethene
 Concen: 56.028 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263238		
61	167.4	0.0	334.8	
98	63.7	0.0	127.4	

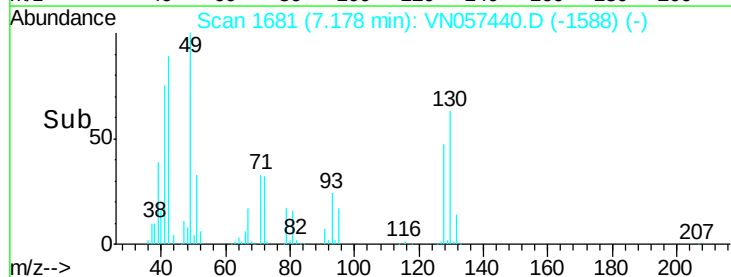
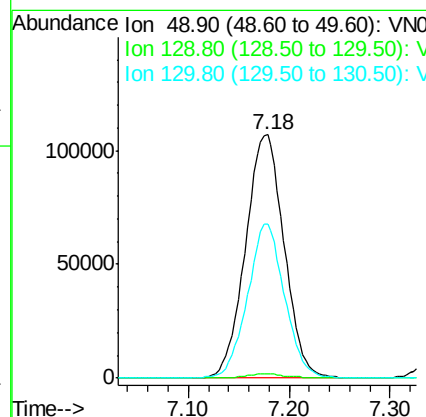
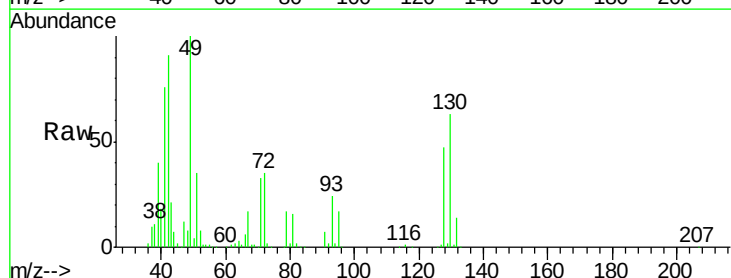
Manual Integrations
 APPROVED

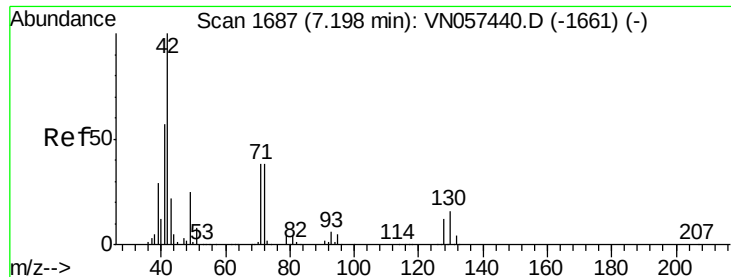
MMDadoda
 8/23/2019 2:40:09 PM



#28
 Bromochloromethane
 Concen: 80.125 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	283492		
129	1.8	0.0	3.6	
130	60.7	48.6	72.8	





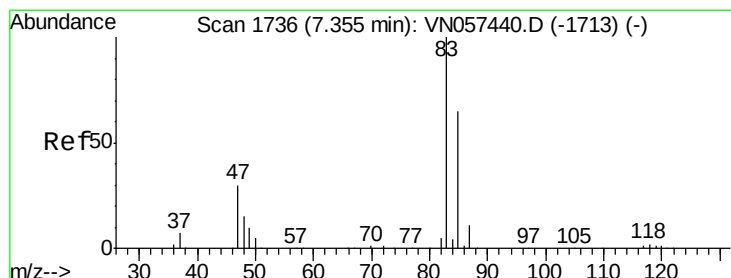
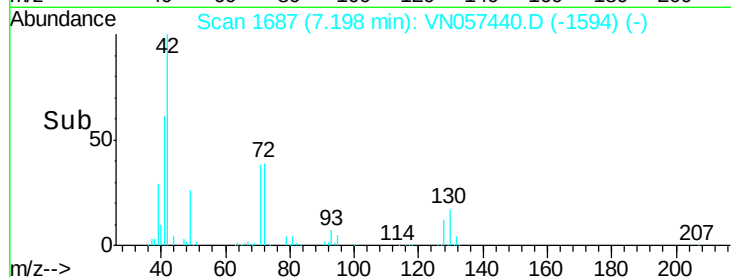
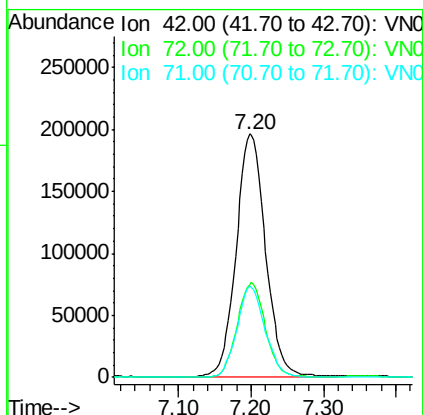
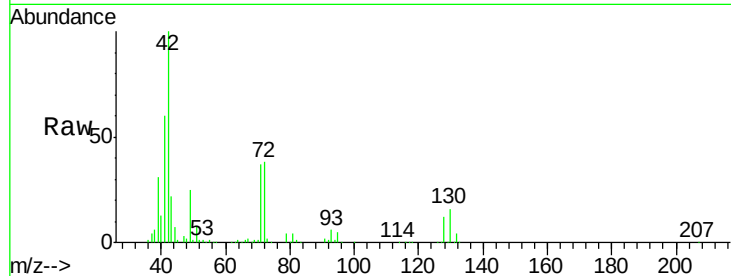
#29
Tetrahydrofuran
Concen: 357.534 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.1	45.1
71	36.0	28.8	43.2

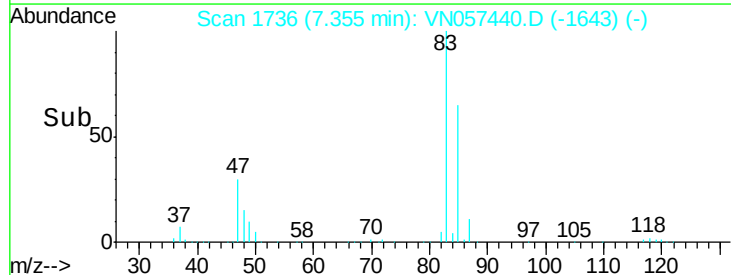
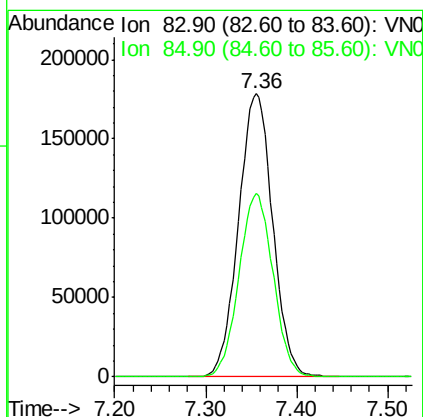
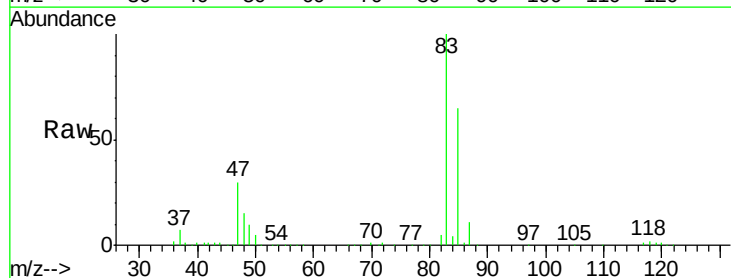
Manual Integrations
APPROVED

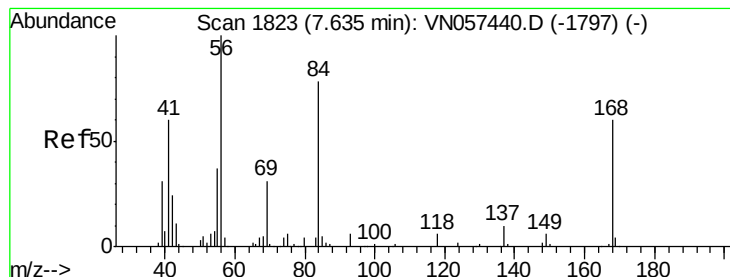
MMDadoda
8/23/2019 2:40:09 PM



#30
Chloroform
Concen: 60.515 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 69.136 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

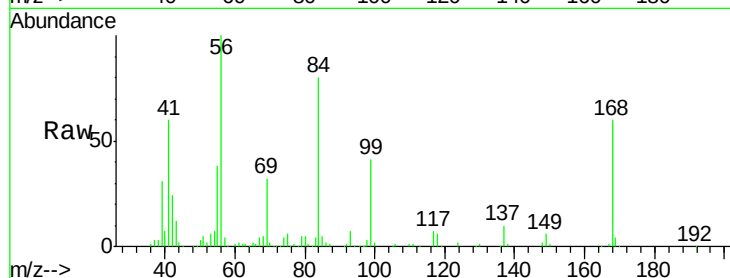
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	468621
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	78.1	62.5	93.7

Manual Integrations
APPROVED

MMDadoda
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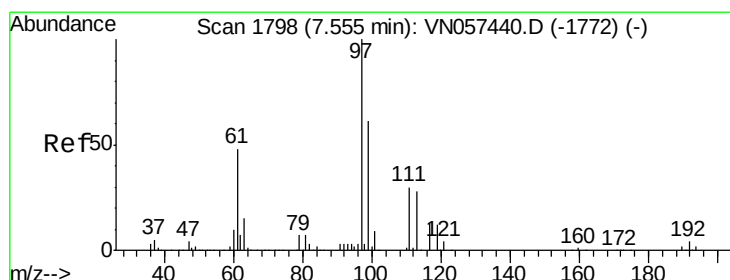
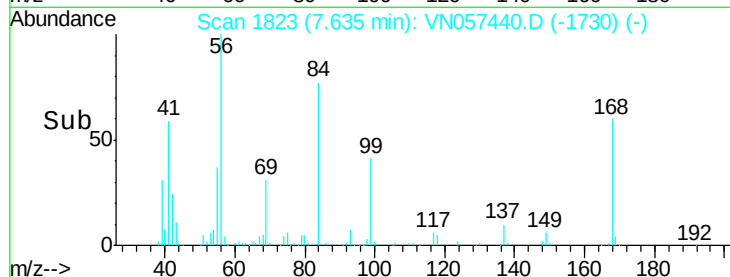
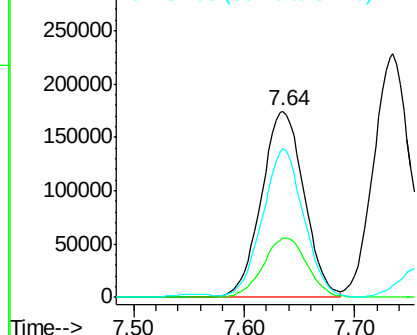


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 63.192 ug/l

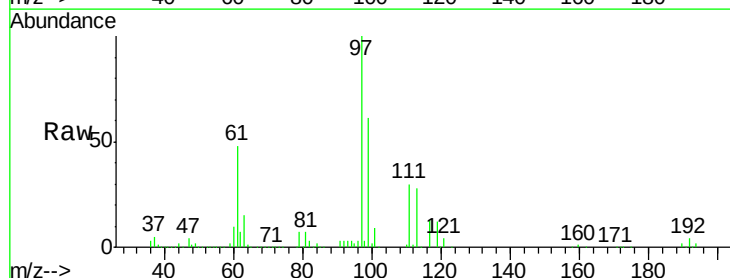
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion:	97	Resp:	408953
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.7	39.8	59.6

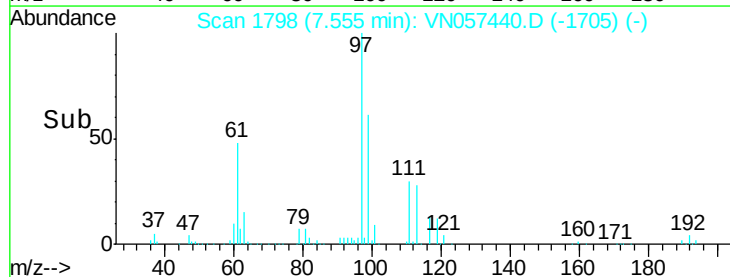
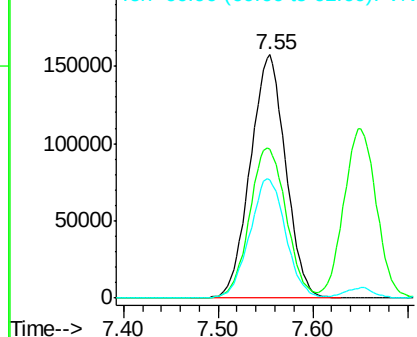


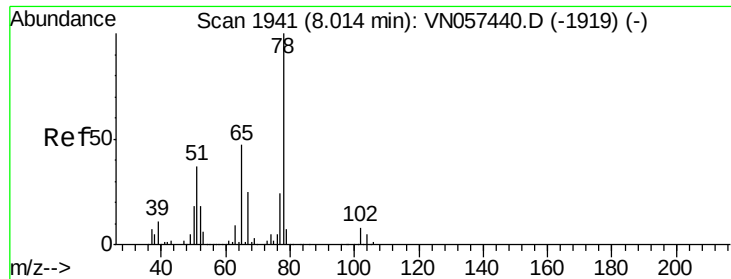
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





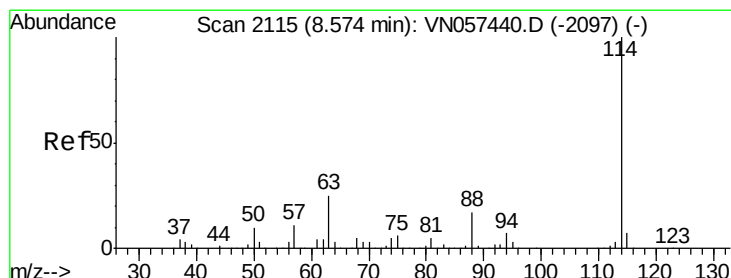
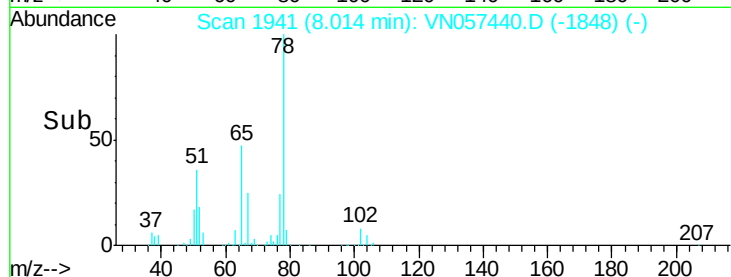
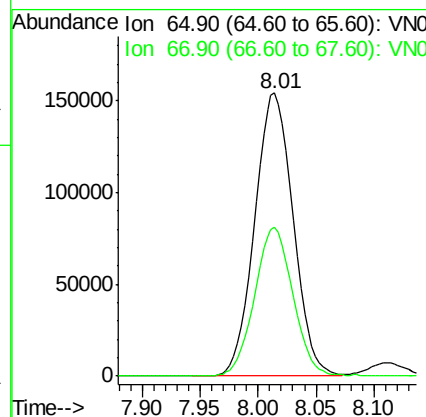
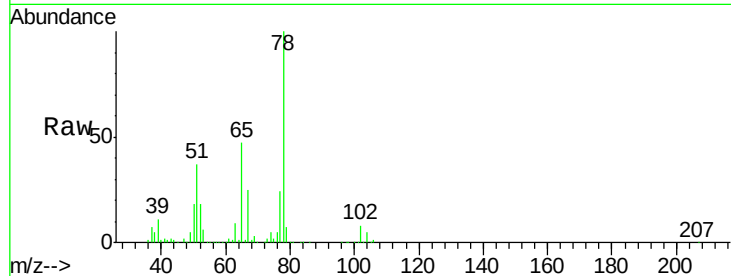
#33
 1,2-Dichloroethane-d4
 Concen: 71.433 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.8	

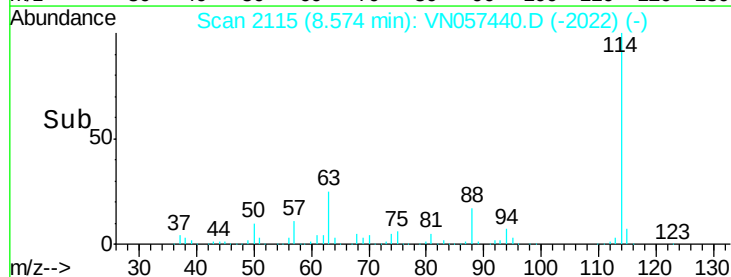
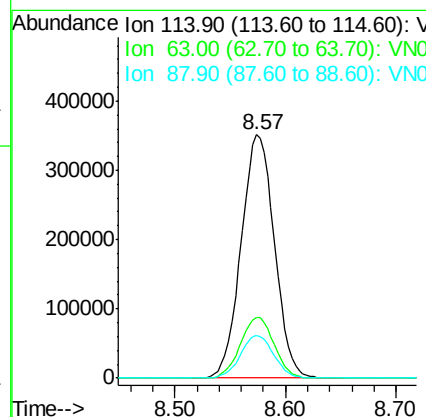
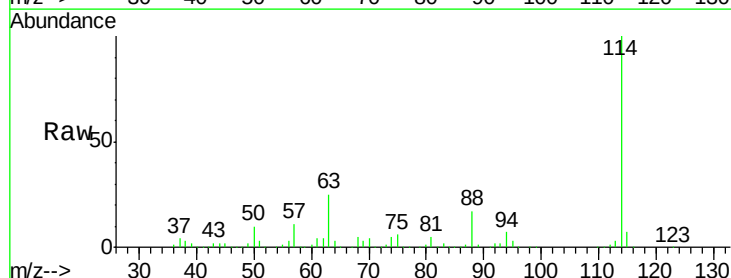
Manual Integrations
 APPROVED

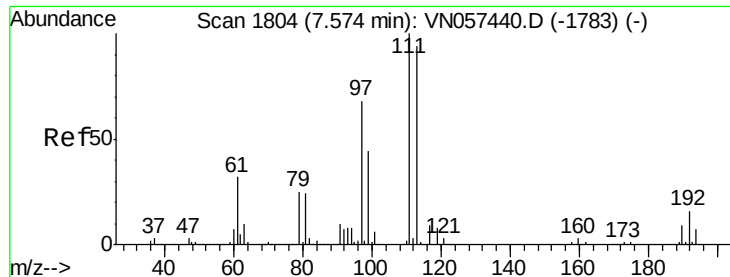
MMDadoda
 8/23/2019 2:40:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.1	0.0	50.2	
88	17.3	0.0	34.6	





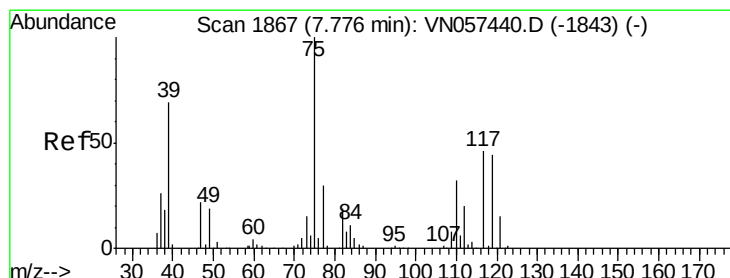
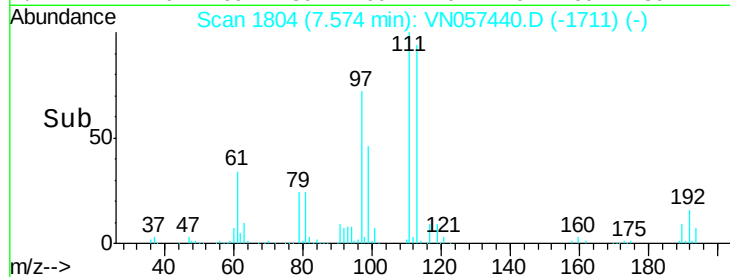
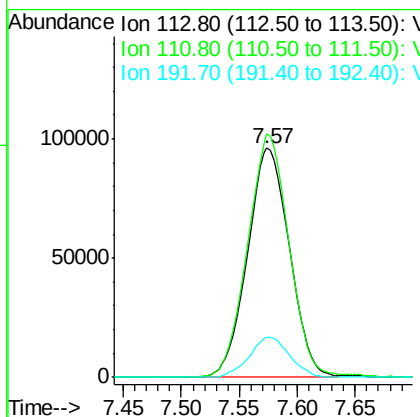
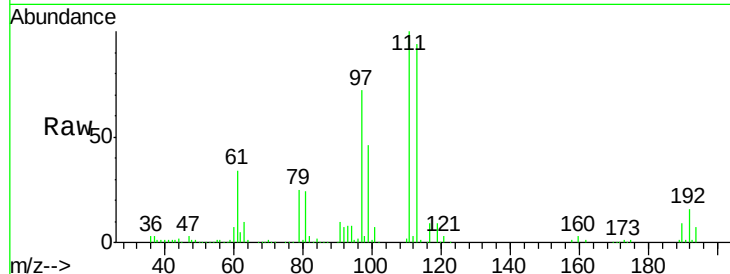
#35
 Dibromofluoromethane
 Concen: 49.840 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	242174		
111	104.7	83.8	125.6	
192	16.9	13.5	20.3	

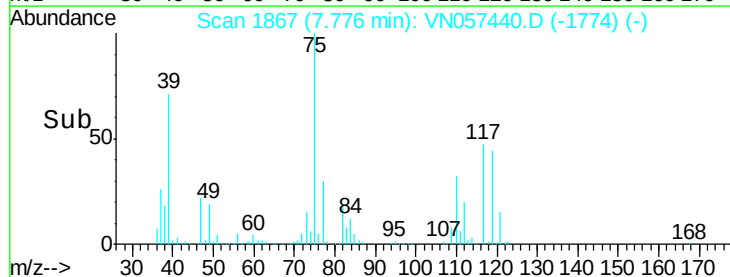
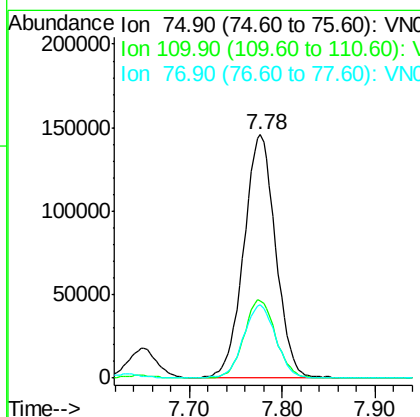
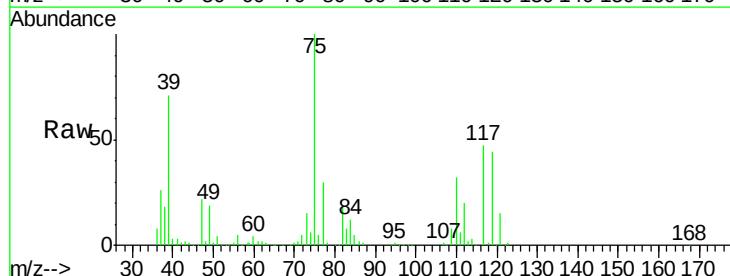
Manual Integrations
 APPROVED

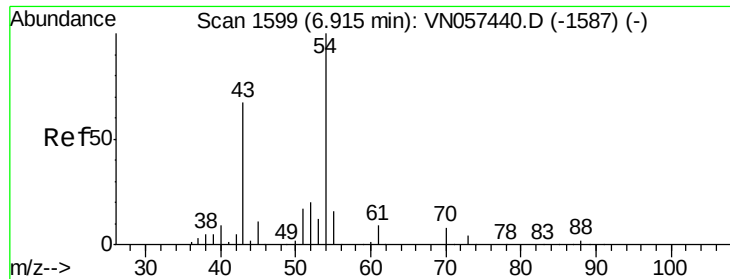
MMDadoda
 8/23/2019 2:40:09 PM



#36
 1,1-Dichloropropene
 Concen: 52.111 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344731		
110	32.2	16.1	48.3	
77	31.0	24.8	37.2	





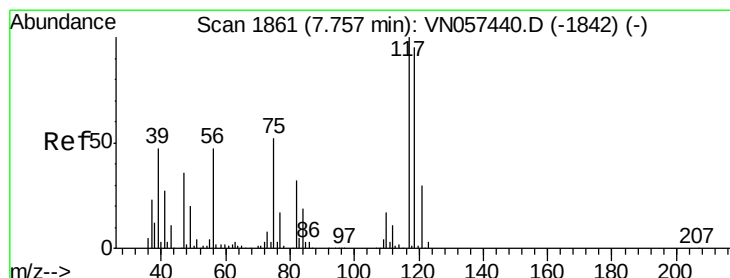
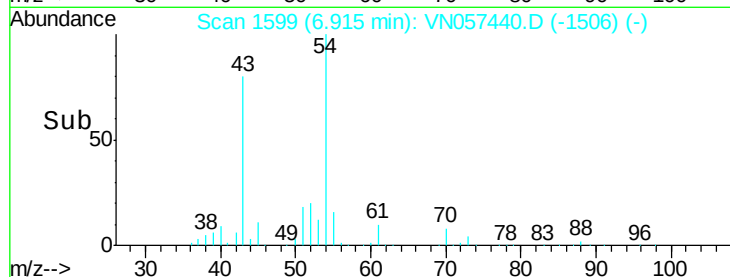
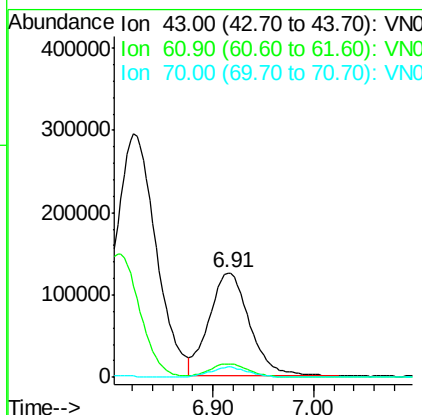
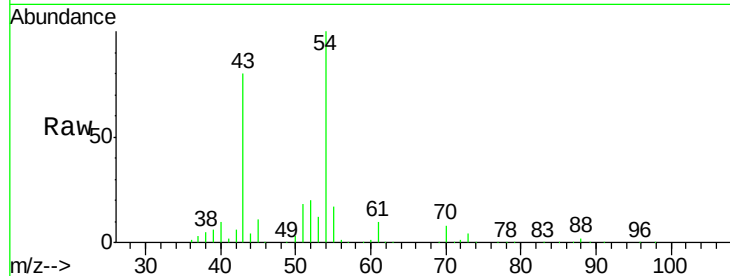
#37
Ethyl Acetate
Concen: 62.961 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	8.8	7.0	10.6

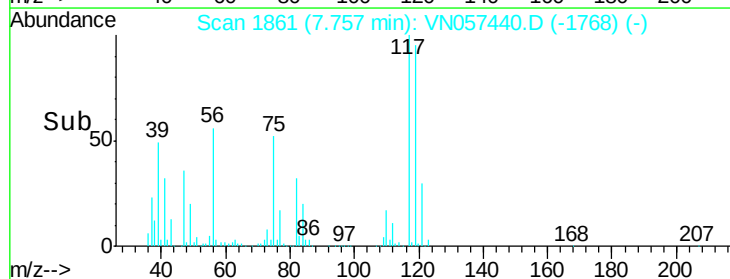
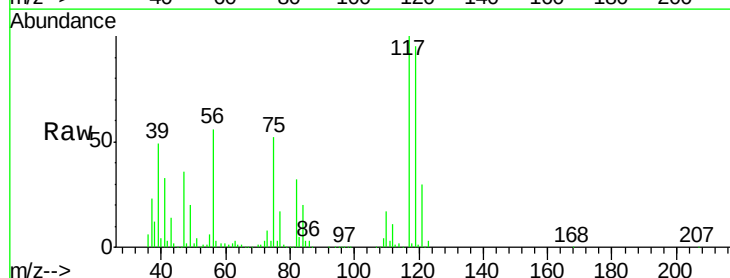
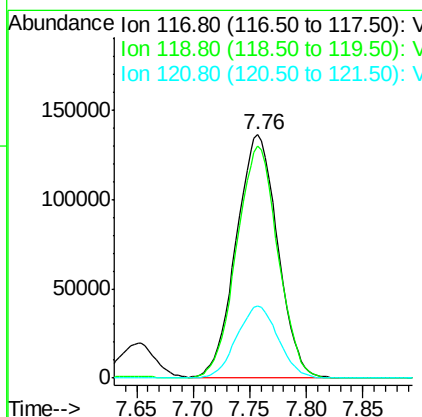
Manual Integrations
APPROVED

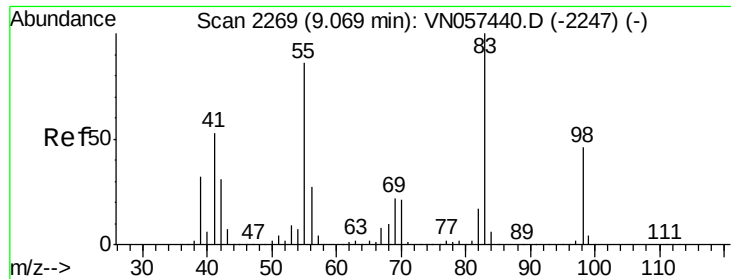
MMDadoda
8/23/2019 2:40:09 PM



#38
Carbon Tetrachloride
Concen: 50.893 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	29.7	23.8	35.6





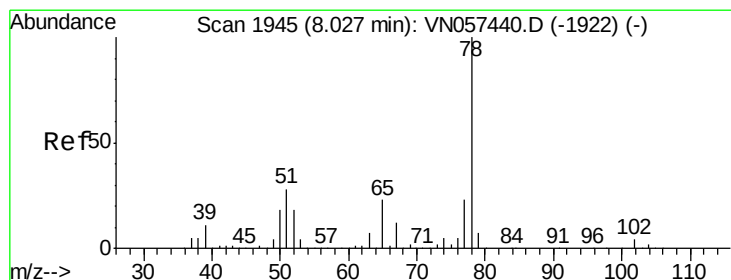
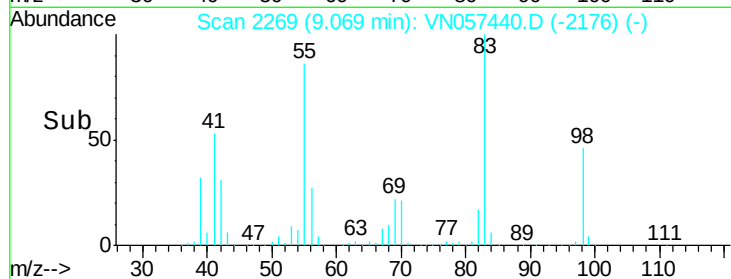
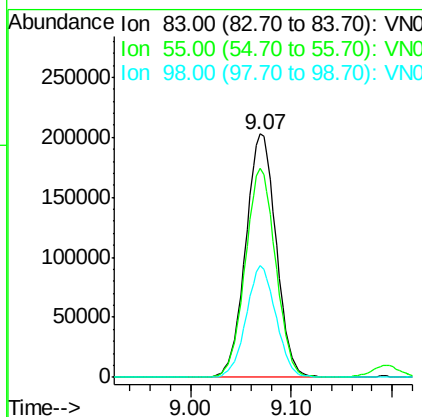
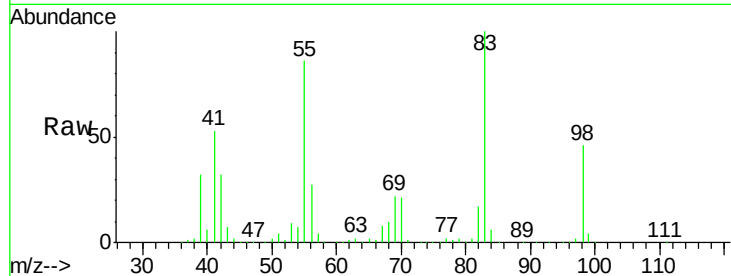
#39
Methylvlcyclohexane
Concen: 54.364 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	421992
Ion Ratio	Lower	Upper	
83	100		
55	85.7	68.6	102.8
98	45.7	36.6	54.8

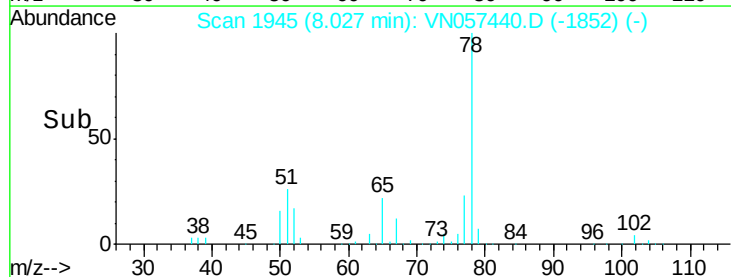
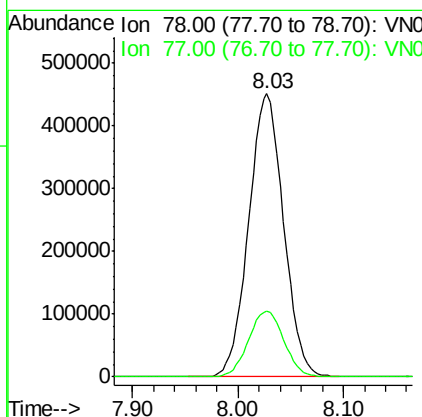
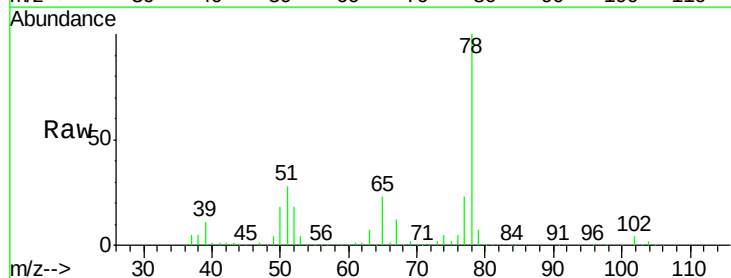
Manual Integrations
APPROVED

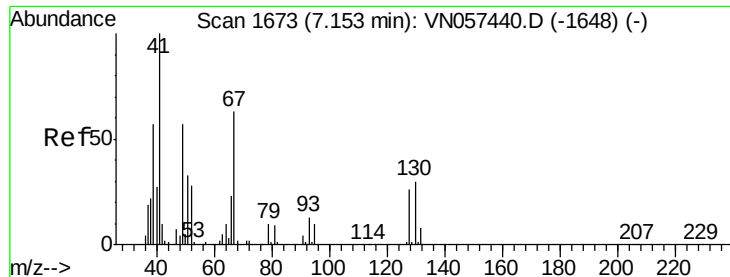
MMDadoda
8/23/2019 2:40:09 PM



#40
Benzene
Concen: 51.648 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	78	Resp	1039016
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.5	27.7





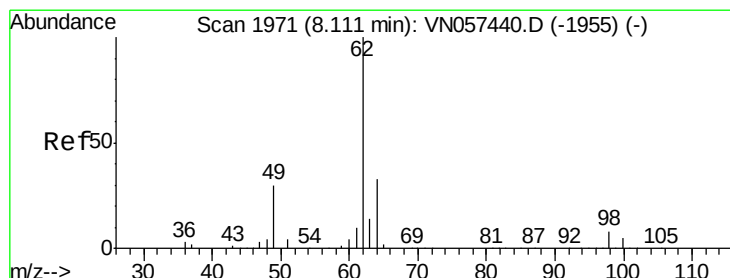
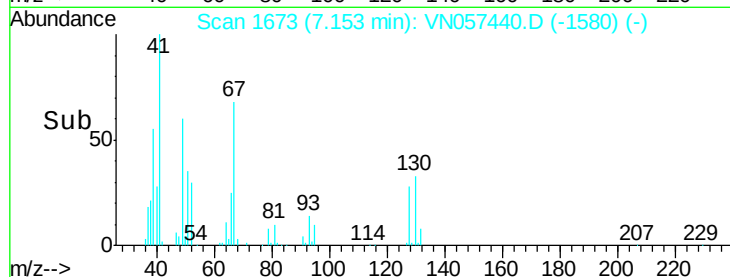
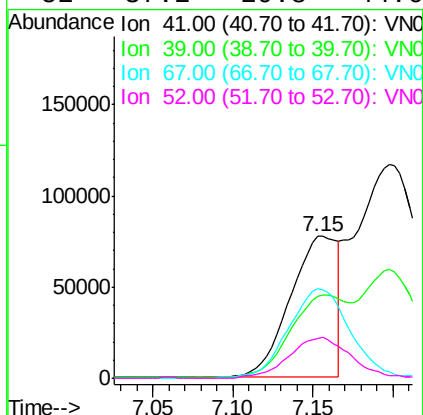
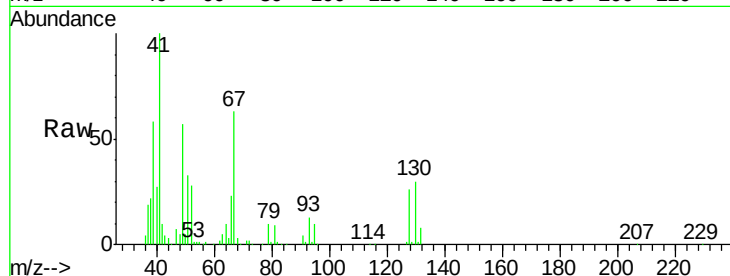
#41
Methacrylonitrile
Concen: 63.034 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.0	53.6	80.4	
67	81.8	65.4	98.2	
52	37.2	29.8	44.6	

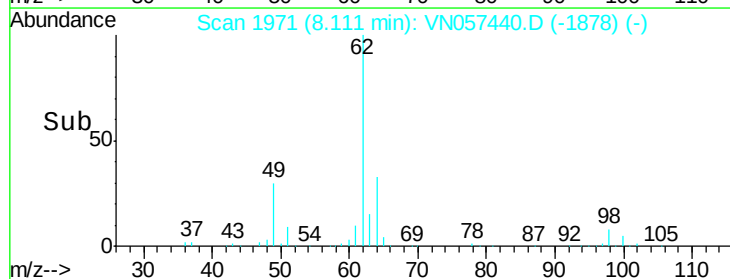
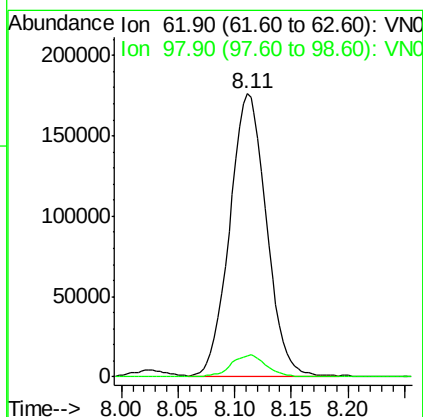
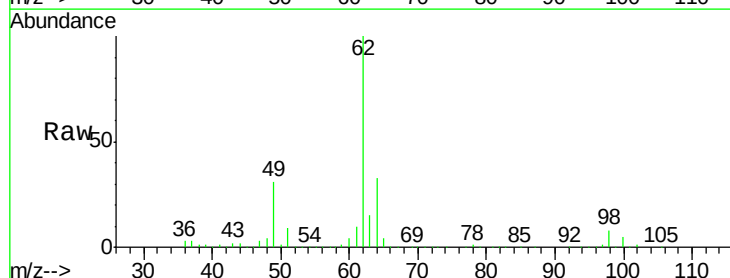
Manual Integrations
APPROVED

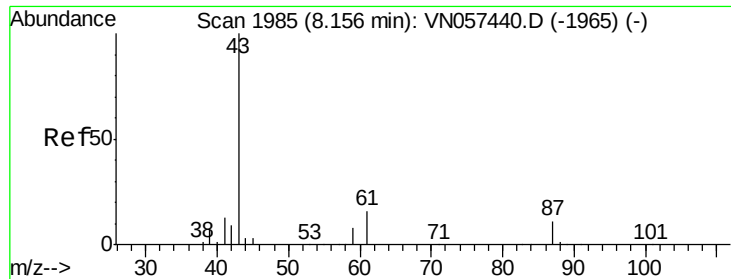
MMDadoda
8/23/2019 2:40:09 PM



#42
1,2-Dichloroethane
Concen: 57.905 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.4	





#43

Isopropyl Acetate

Concen: 53.155 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

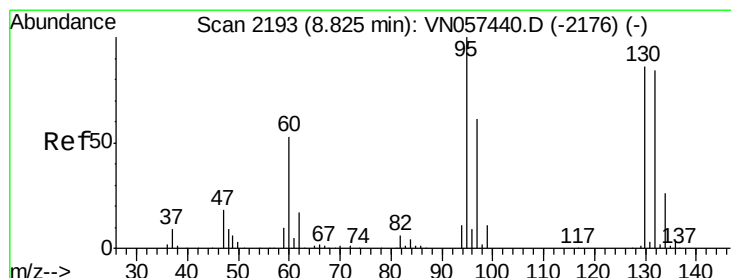
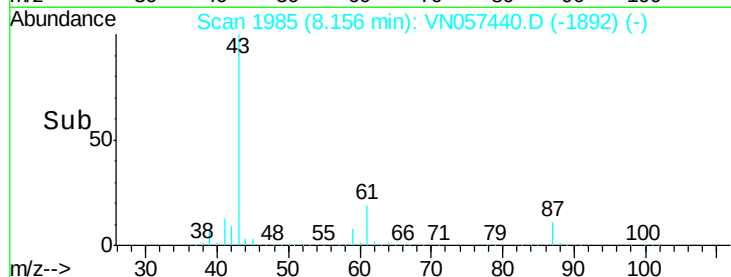
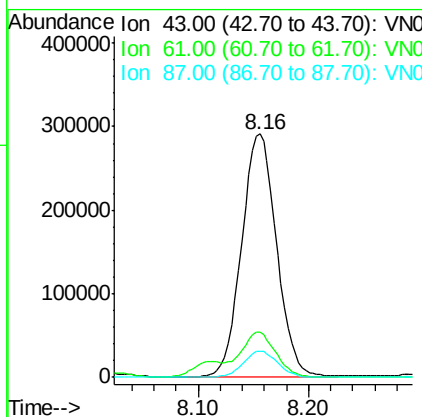
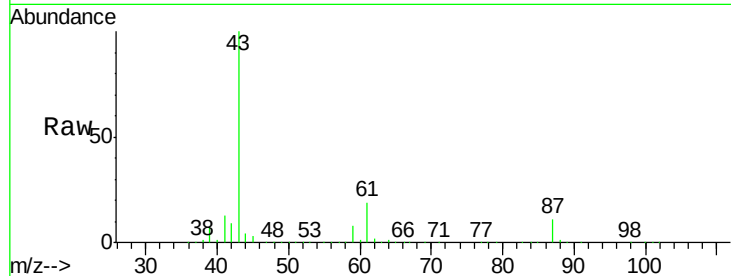
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	636163
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	10.7	8.6	12.8

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#44

Trichloroethene

Concen: 43.406 ug/l

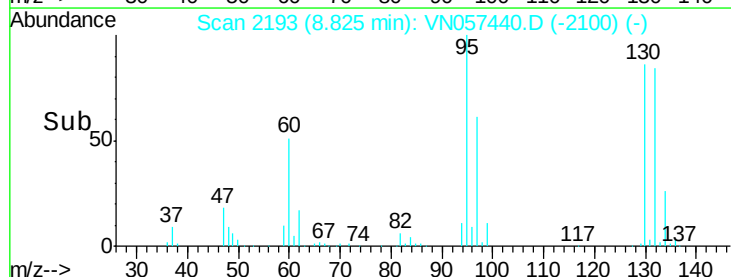
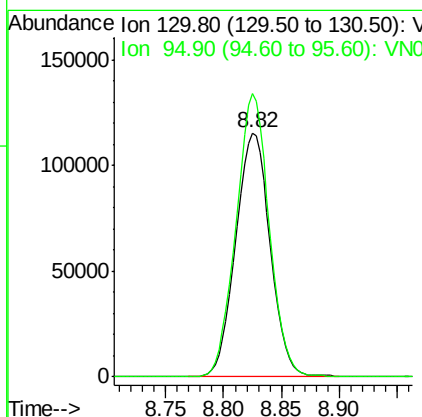
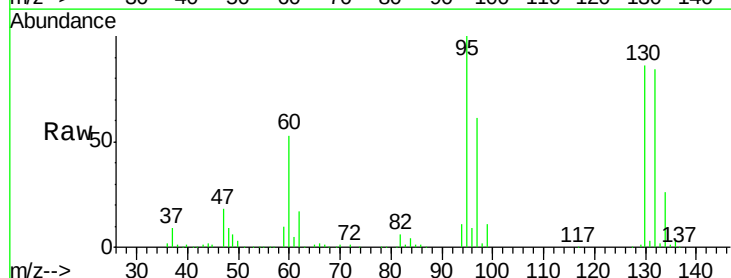
RT: 8.82 min Scan# 2193

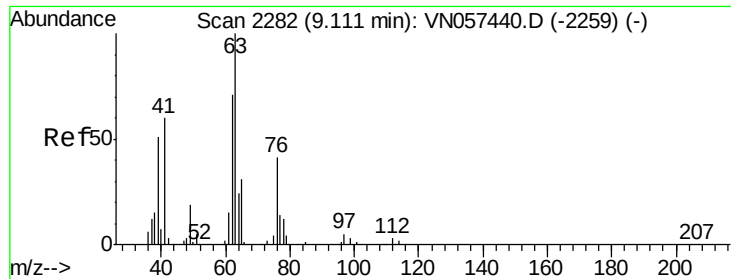
Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion:	130	Resp:	238261
Ion	Ratio	Lower	Upper
130	100		
95	115.8	0.0	231.6





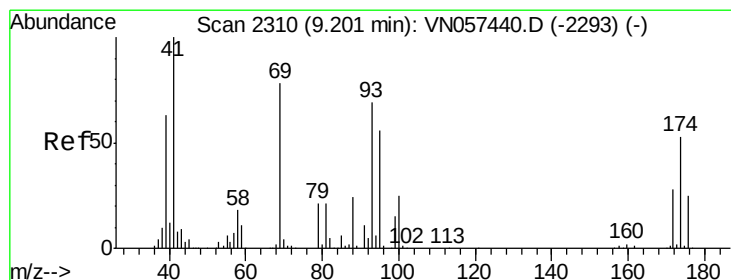
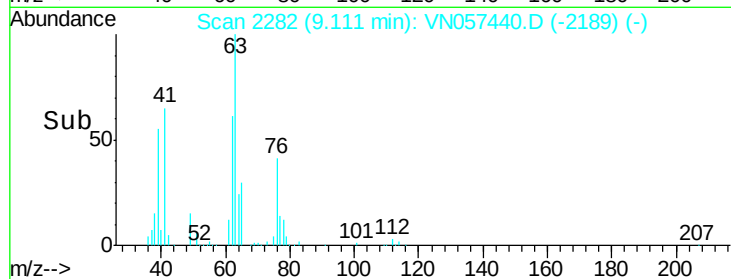
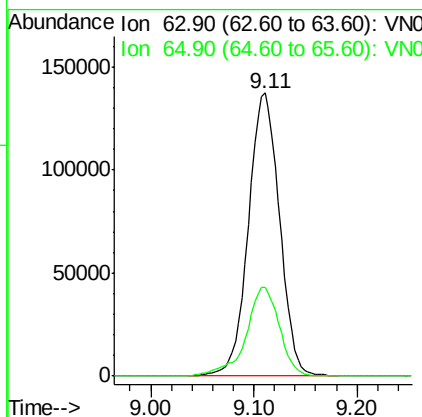
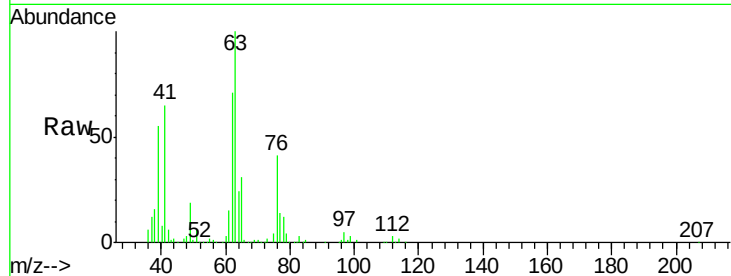
#45
 1,2-Dichloropropane
 Concen: 54.745 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 287670
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

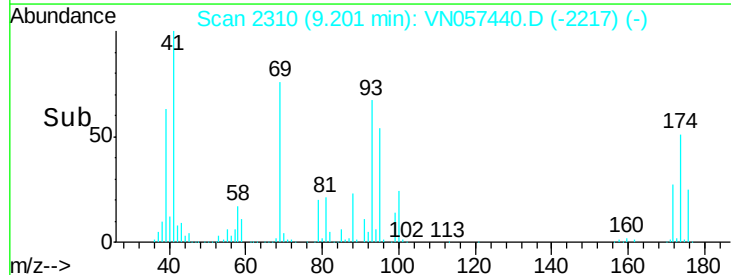
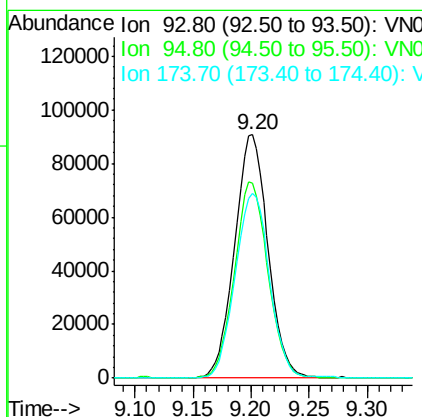
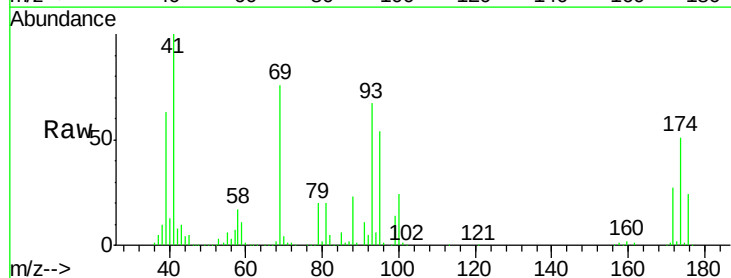
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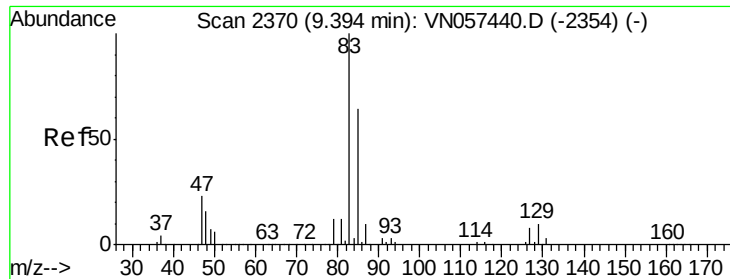
MMDadoda
 8/23/2019 2:40:09 PM



#46
 Dibromomethane
 Concen: 52.320 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion: 93 Resp: 181536
 Ion Ratio Lower Upper
 93 100
 95 80.9 64.7 97.1
 174 77.9 62.3 93.5





#47

Bromodichloromethane

Concen: 54.952 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

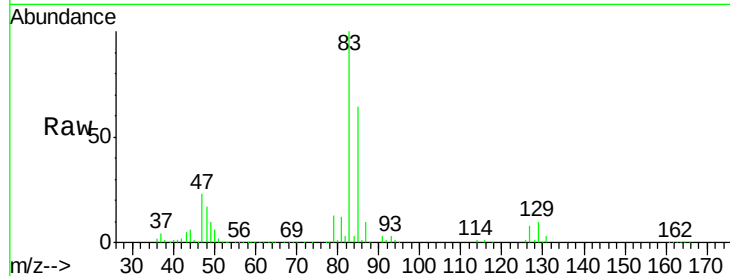
ClientSampleId :

VSTDICCC050

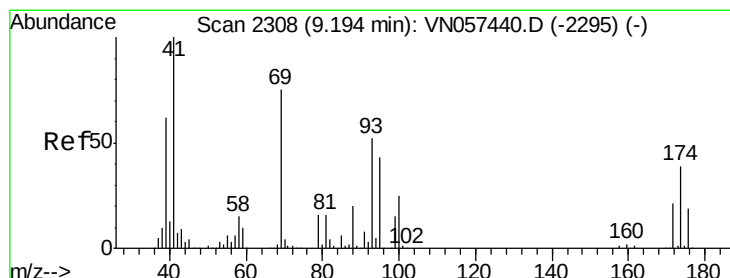
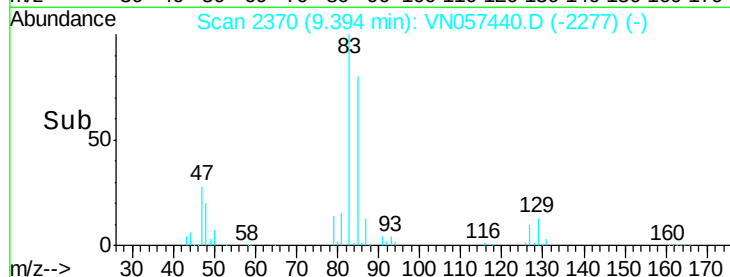
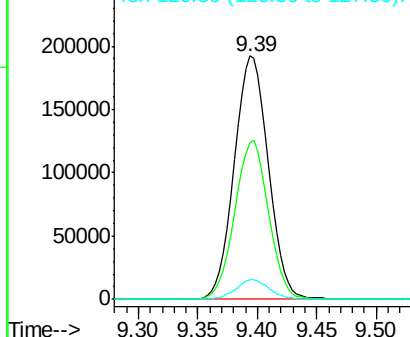
Tot Ion:	83	Resp:	380785
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.3	6.6	10.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 65.716 ug/l

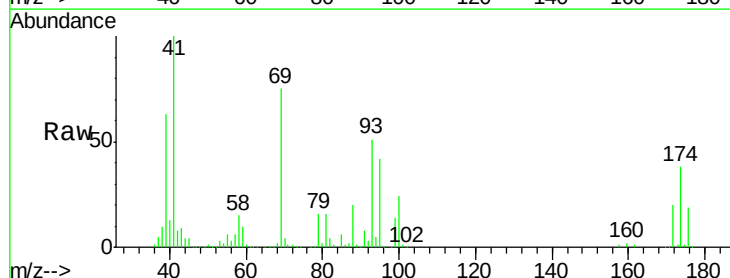
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

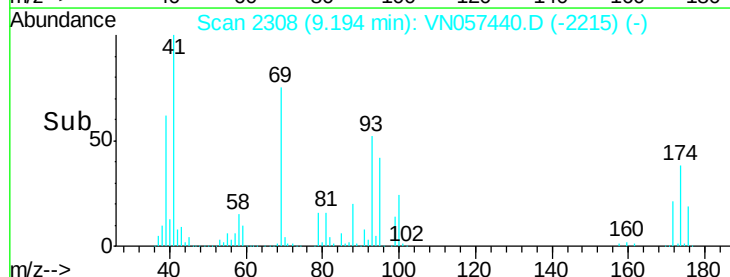
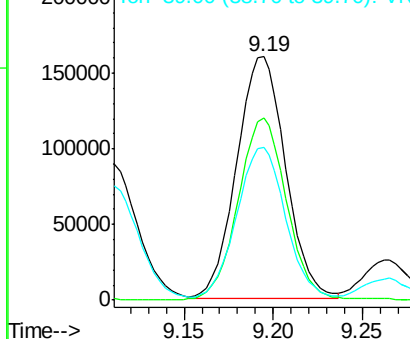
Lab File: VN057440.D

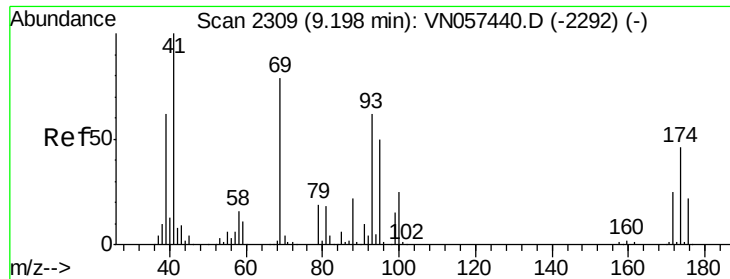
Acq: 22 Aug 2019 18:17

Tgt Ion:	41	Resp:	306456
Ion Ratio	Lower	Upper	
41	100		
69	74.1	59.3	88.9
39	63.2	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





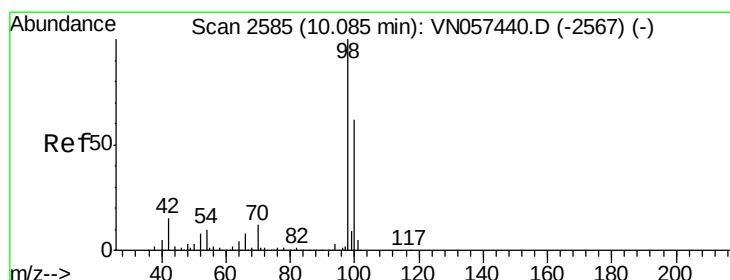
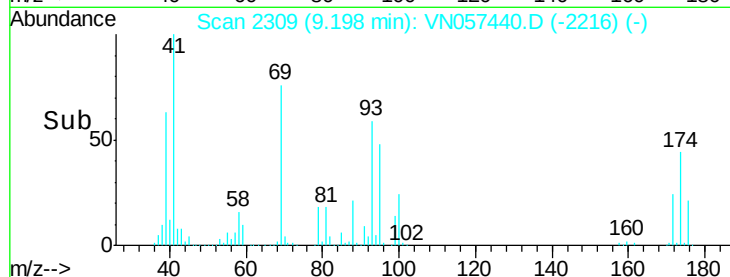
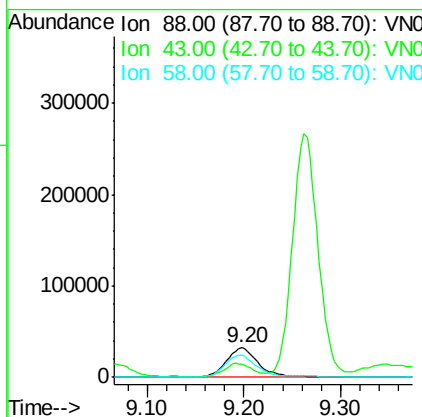
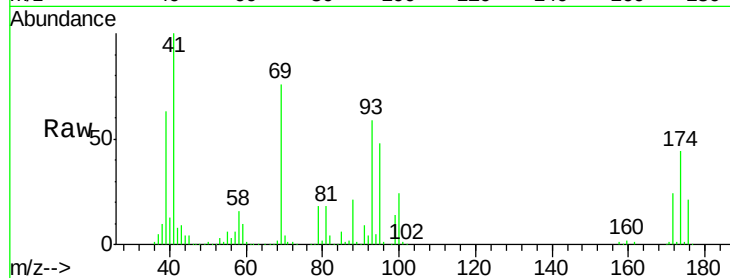
#49
 1,4-Dioxane
 Concen: 843.088 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	31.0	46.6
58	80.6	64.5	96.7

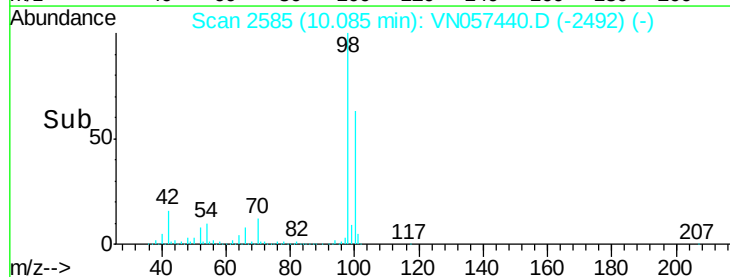
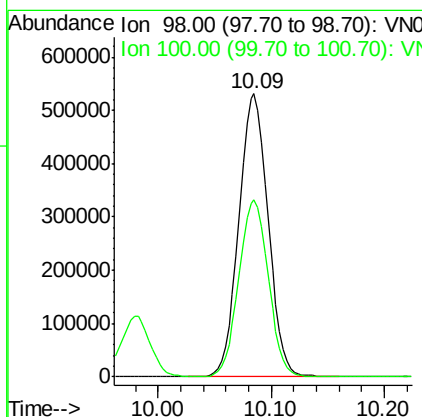
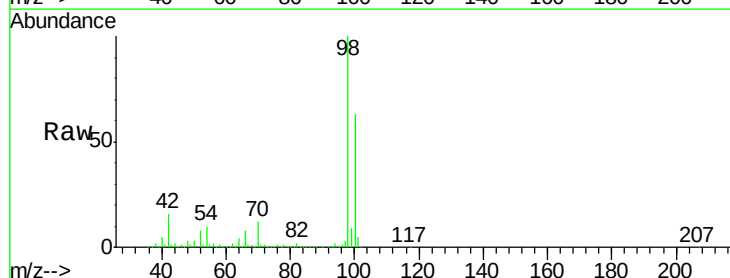
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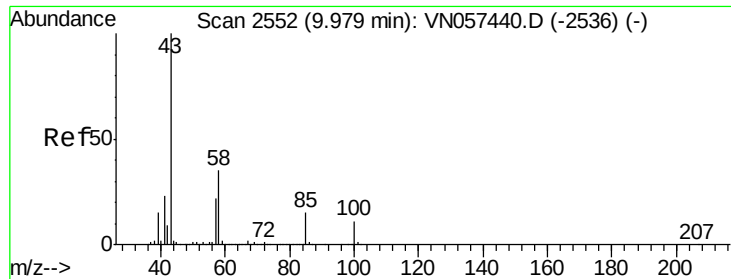
MMDadoda
 8/23/2019 2:40:09 PM



#50
 Toluene-d8
 Concen: 53.476 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 311.998 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1802074

Ion Ratio Lower Upper

43 100

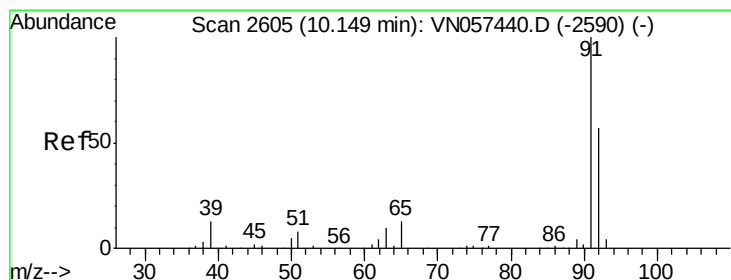
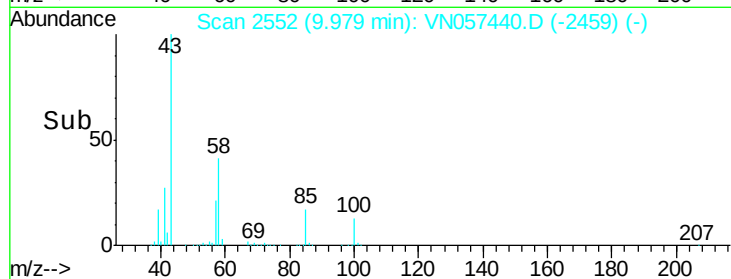
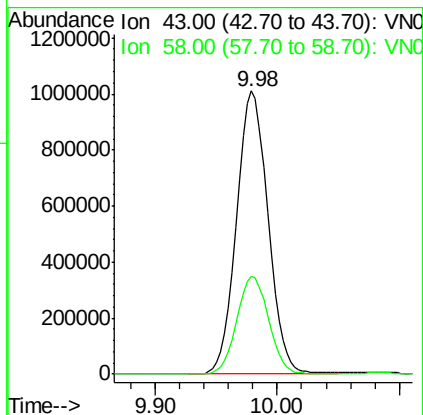
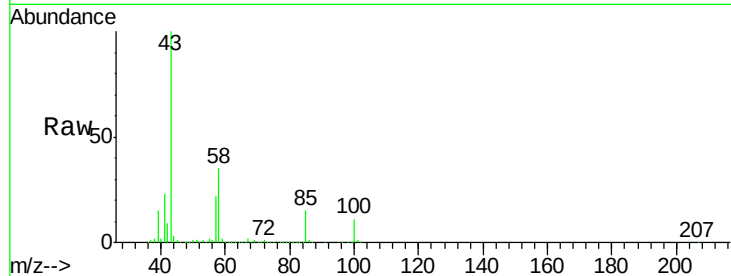
58 34.9 27.9 41.9

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#52

Toluene

Concen: 49.856 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057440.D

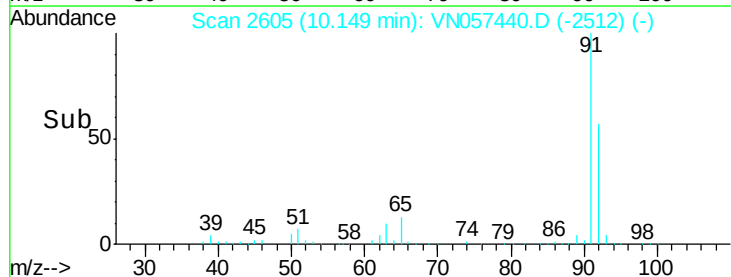
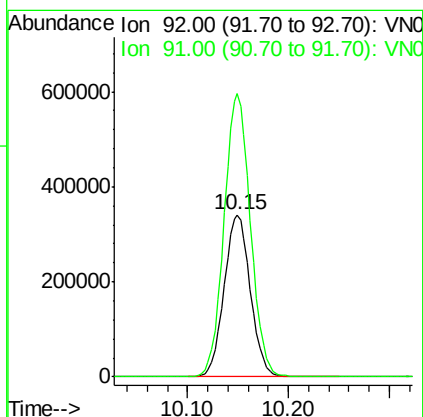
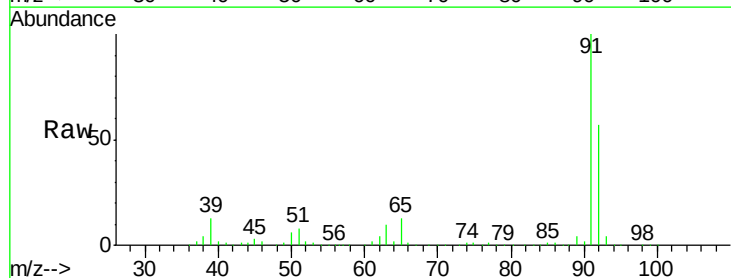
Acq: 22 Aug 2019 18:17

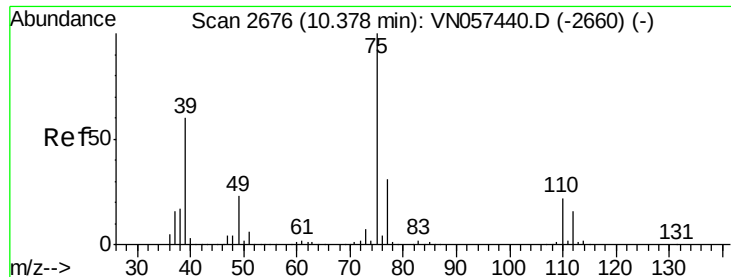
Tgt Ion: 92 Resp: 617337

Ion Ratio Lower Upper

92 100

91 176.1 140.9 211.3





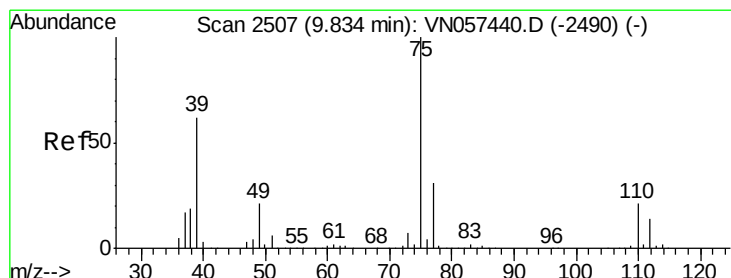
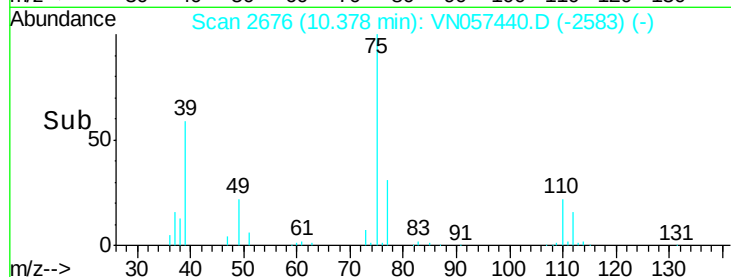
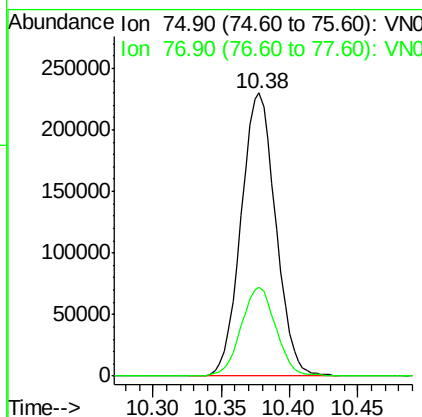
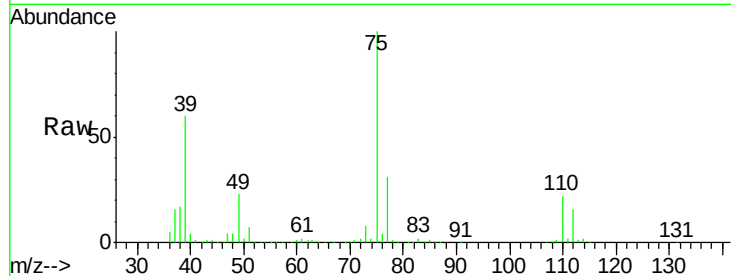
#53
t-1,3-Dichloropropene
Concen: 54.381 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 405793
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

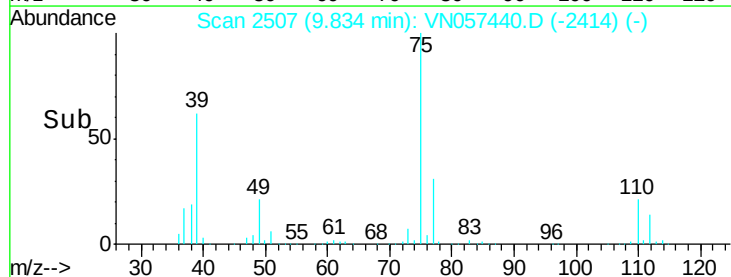
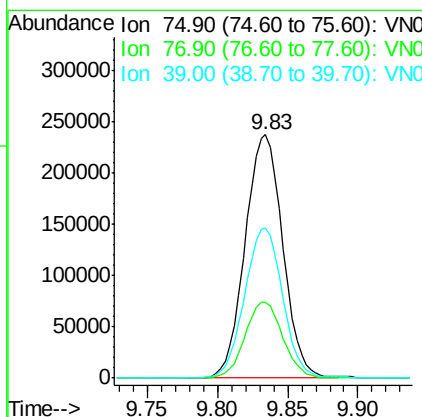
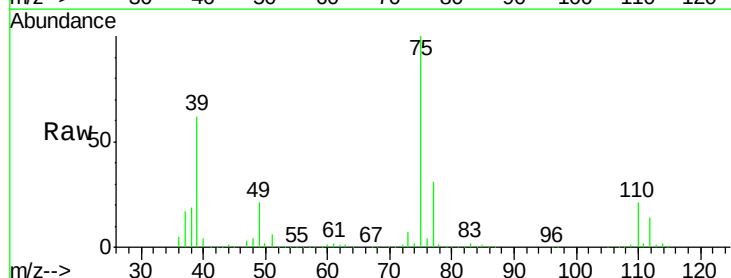
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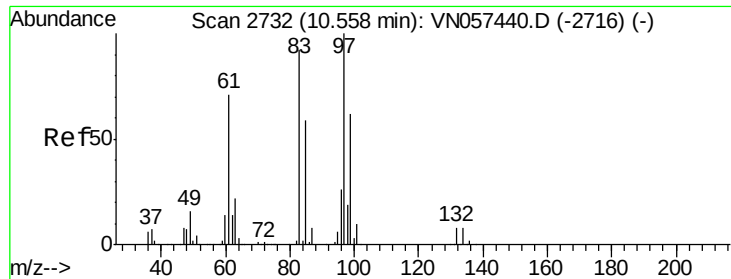
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#54
cis-1,3-Dichloropropene
Concen: 54.117 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion: 75 Resp: 444151
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 61.5 49.2 73.8





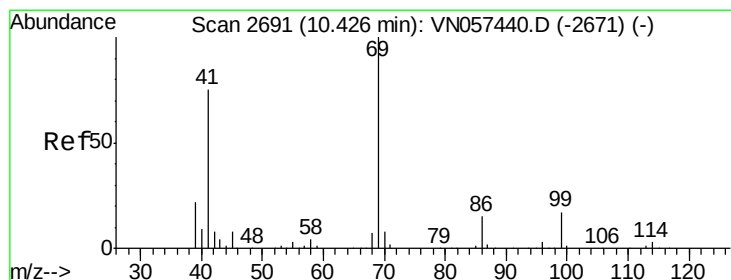
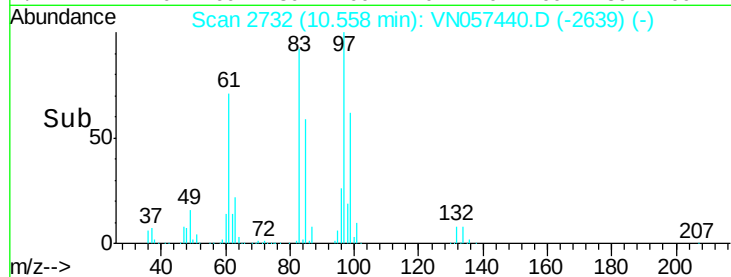
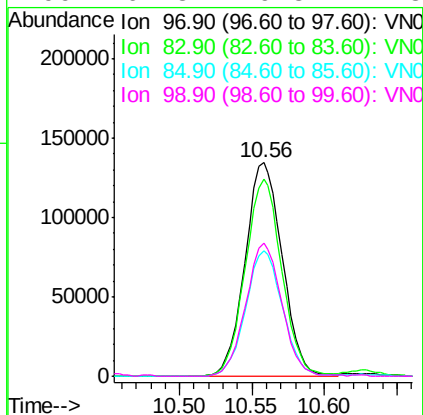
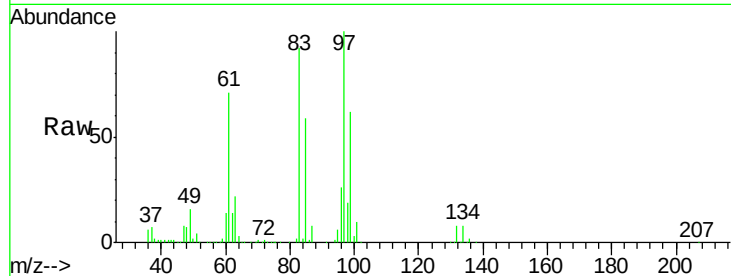
#55
 1,1,2-Trichloroethane
 Concen: 49.396 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		240333		
83	92.1	73.7	110.5		
85	58.5	46.8	70.2		
99	62.3	49.8	74.8		

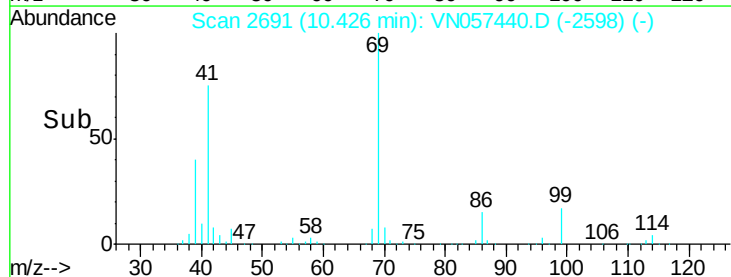
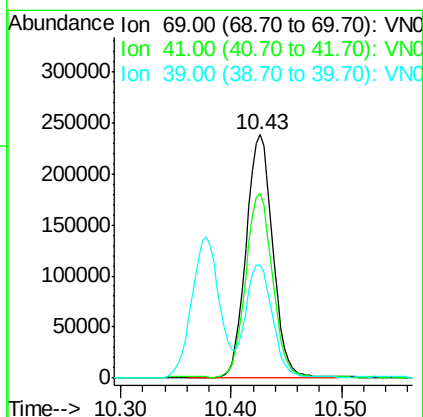
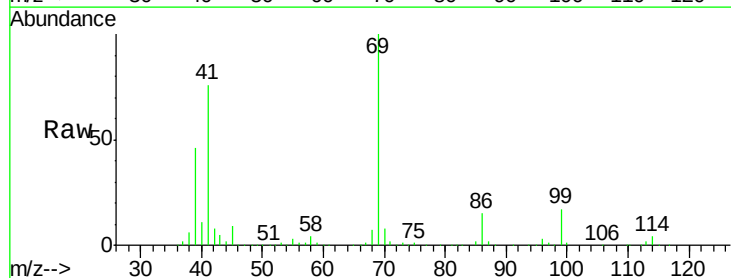
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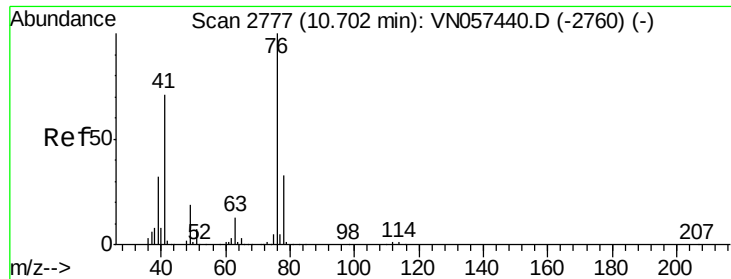
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#56
 Ethyl methacrylate
 Concen: 55.464 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		399866		
41	76.0	60.8	91.2		
39	45.6	36.5	54.7		





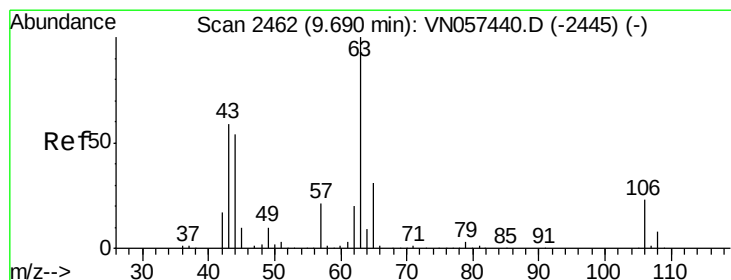
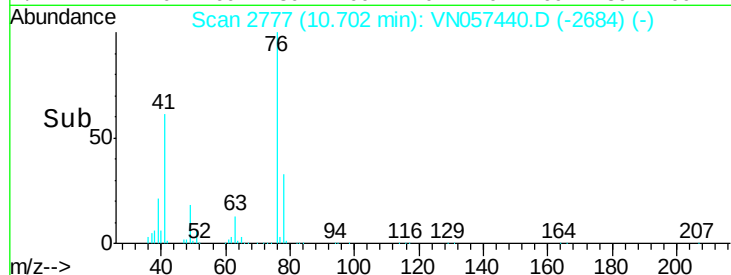
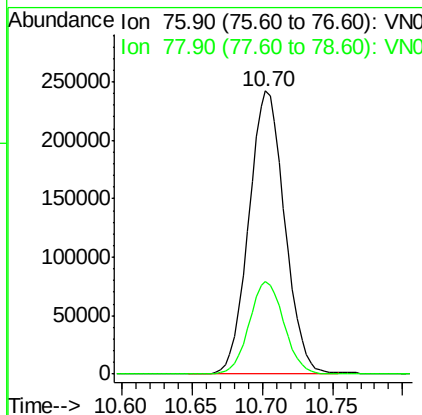
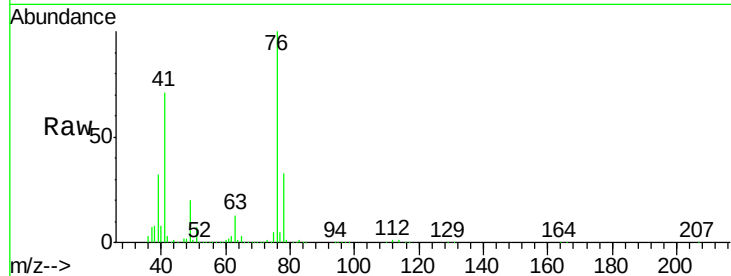
#57
 1,3-Dichloropropane
 Concen: 52.403 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 431172
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

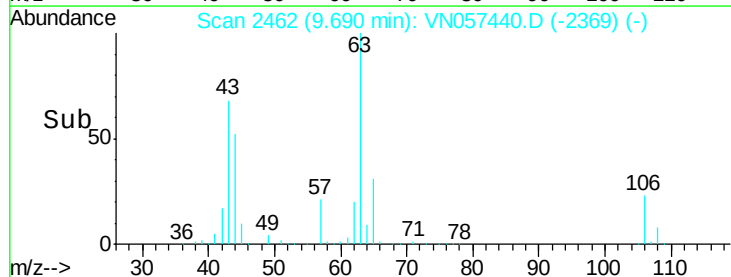
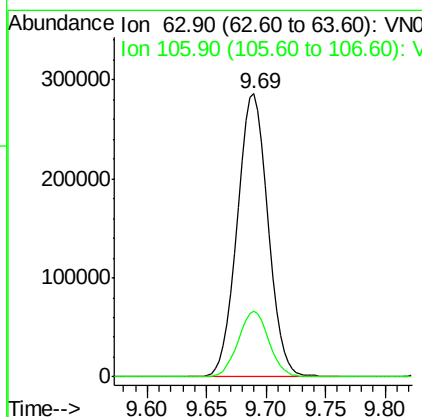
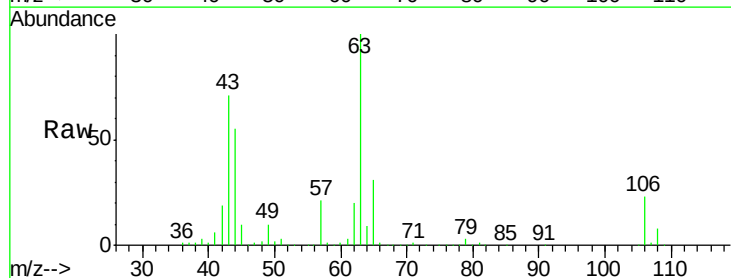
Manual Integrations
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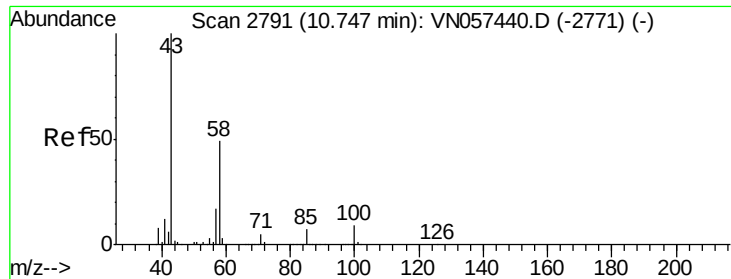
MMDadoda
 8/23/2019 2:40:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.619 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion: 63 Resp: 513566
 Ion Ratio Lower Upper
 63 100
 106 23.2 18.6 27.8





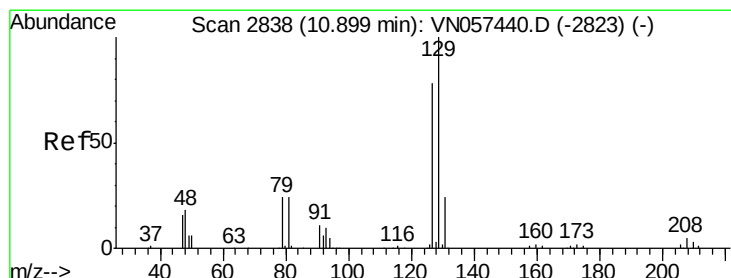
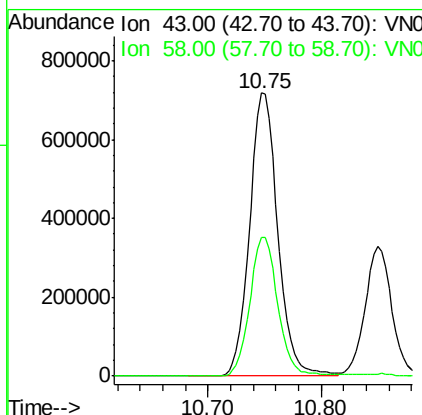
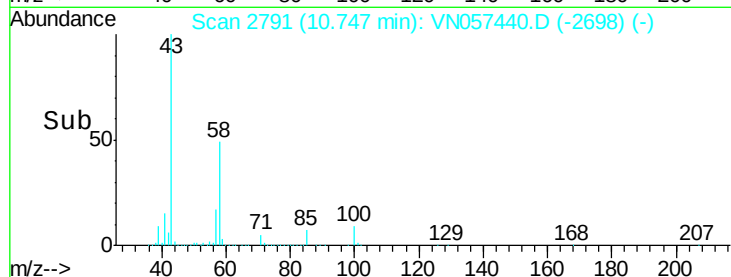
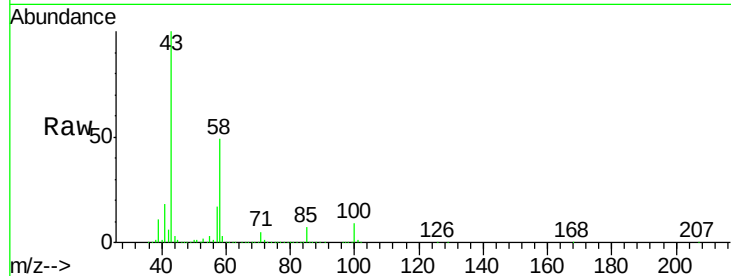
#59
2-Hexanone
Concen: 302.714 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1242102
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.6

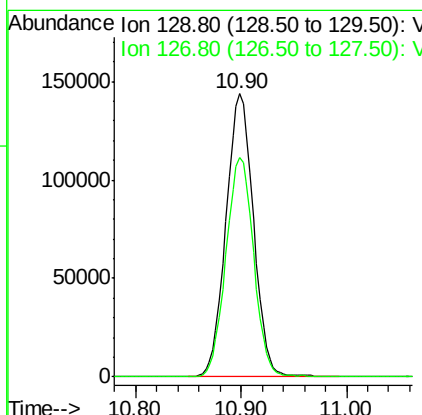
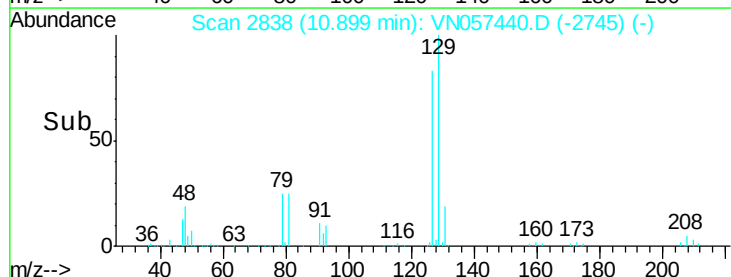
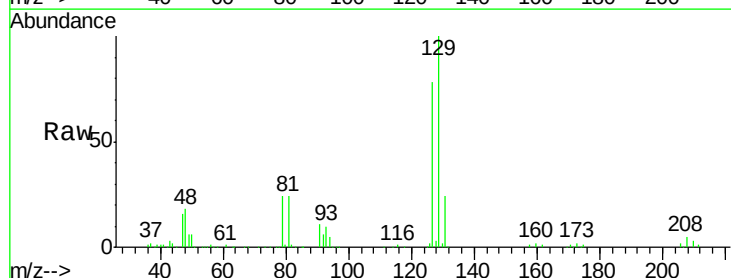
Manual Integrations
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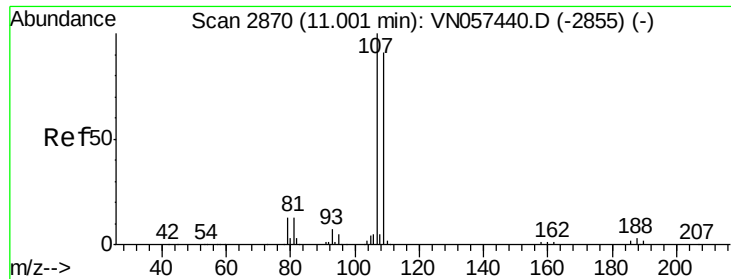
MMDadoda
8/23/2019 2:40:09 PM



#60
Dibromochloromethane
Concen: 48.075 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion: 129 Resp: 259642
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.072 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 247567

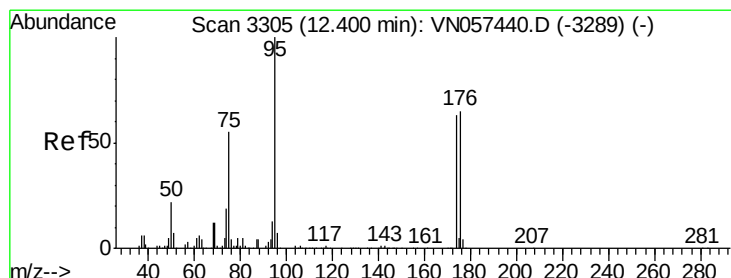
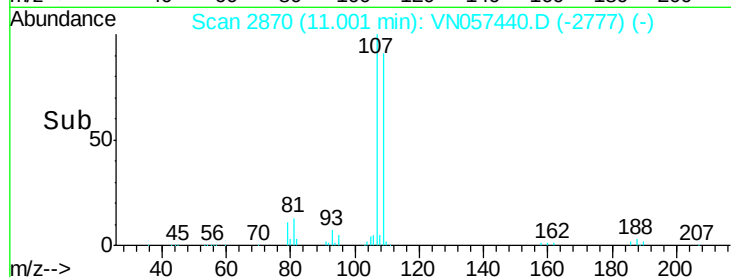
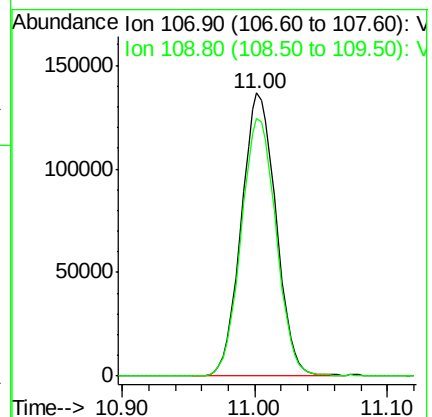
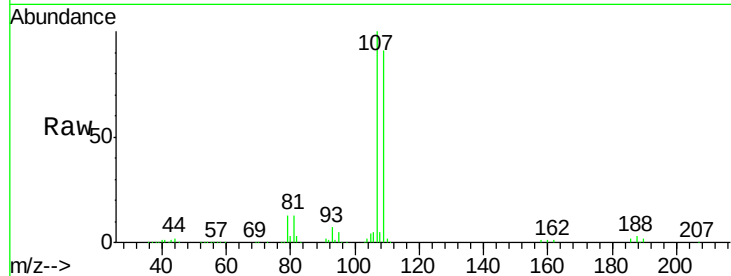
Ion Ratio Lower Upper

107 100

109 92.3 73.8 110.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:09 PM



#62

4-Bromofluorobenzene

Concen: 51.354 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

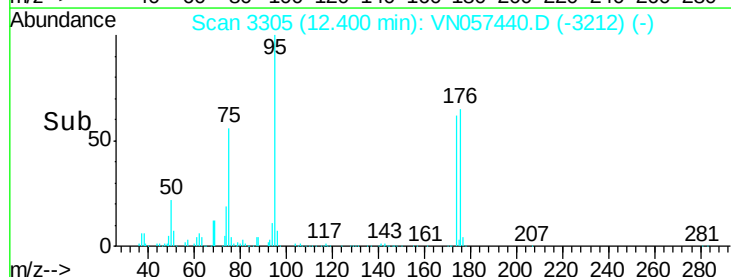
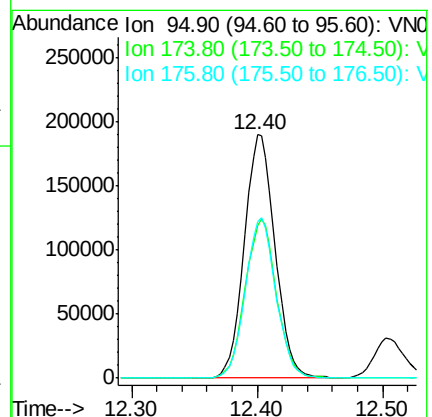
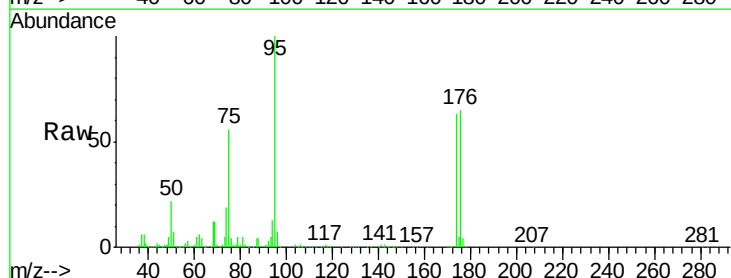
Tgt Ion: 95 Resp: 323959

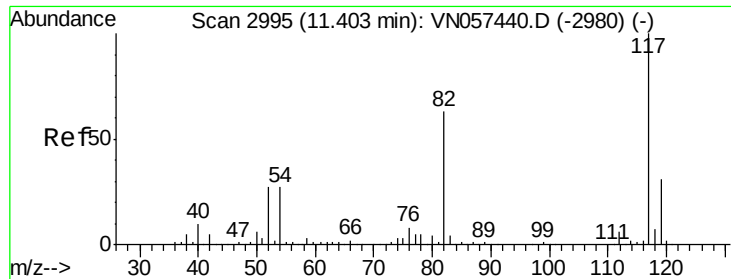
Ion Ratio Lower Upper

95 100

174 66.5 0.0 133.0

176 65.4 0.0 130.8





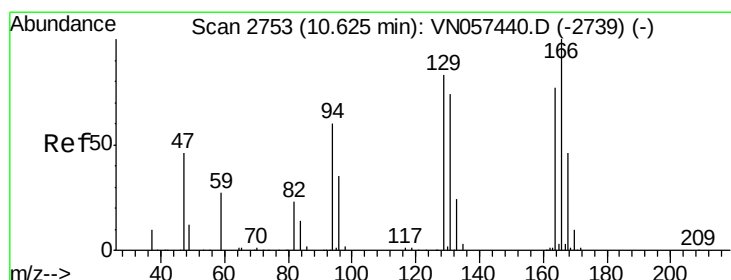
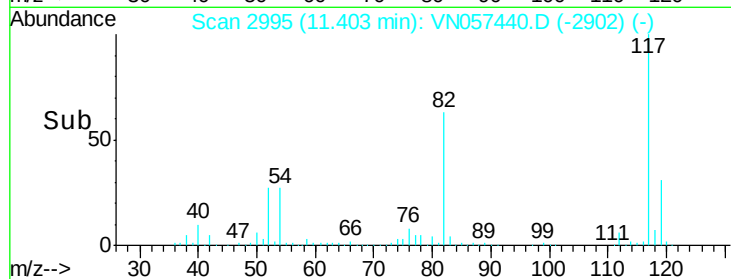
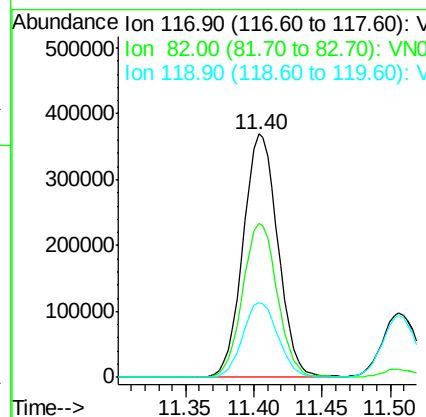
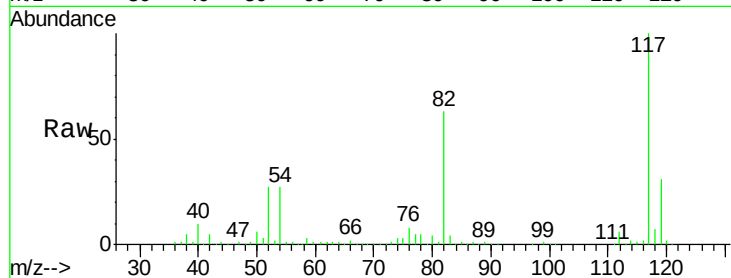
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	50.6	75.8
119	30.7	24.6	36.8

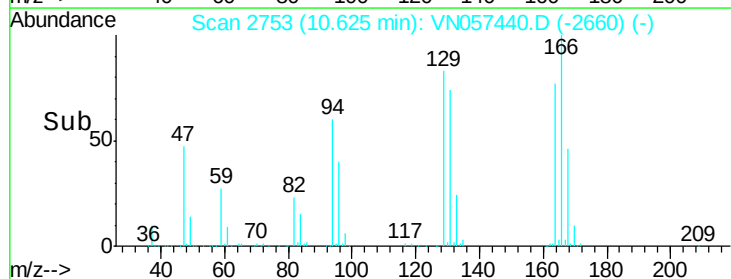
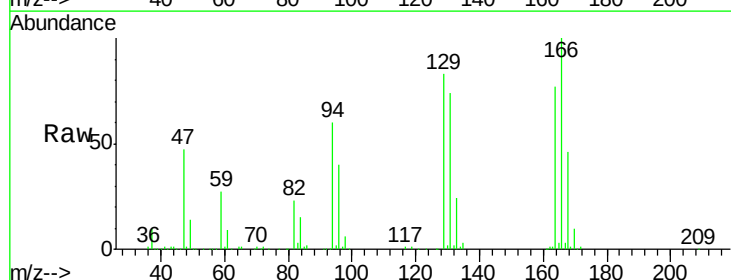
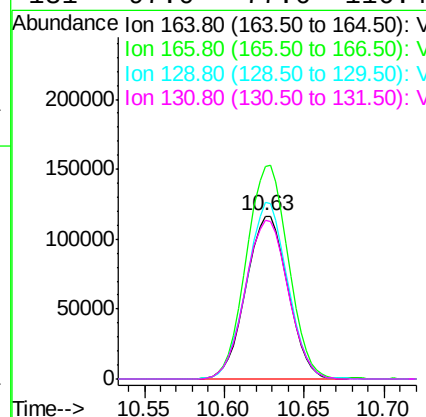
Manual Integrations
APPROVED

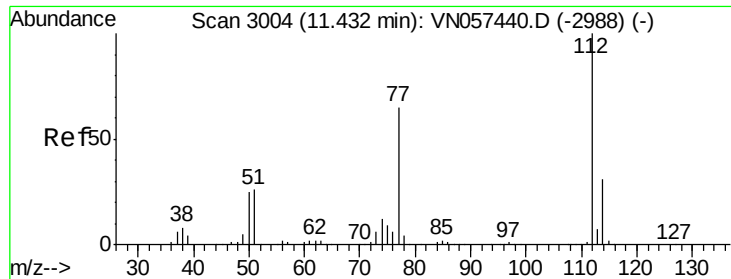
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#64
Tetrachloroethene
Concen: 38.070 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.4	156.6
129	108.3	86.6	130.0
131	97.0	77.6	116.4





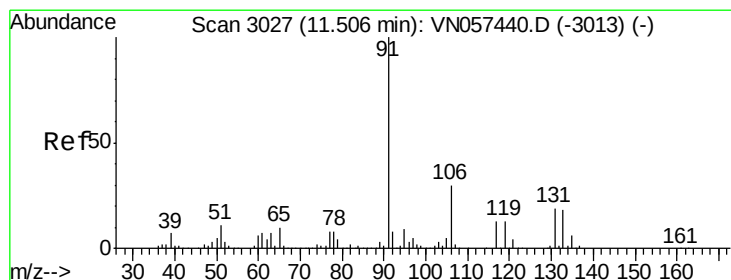
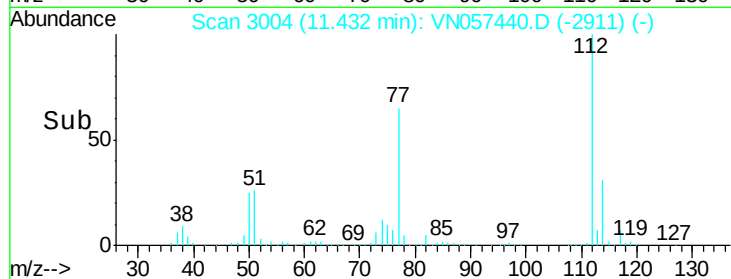
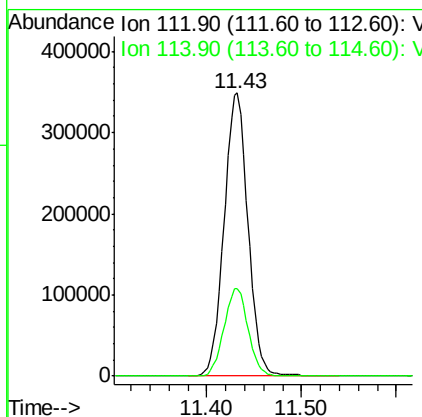
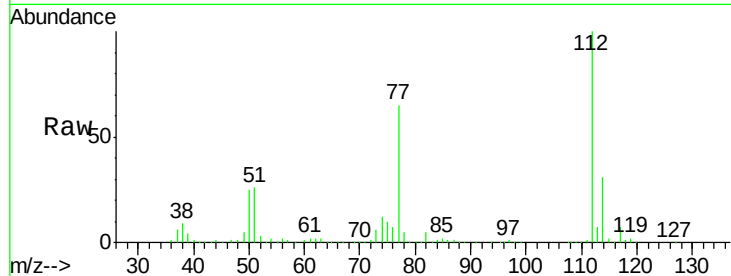
#65
Chlorobenzene
Concen: 46.099 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

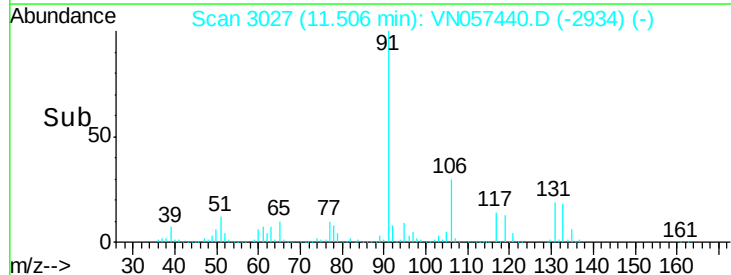
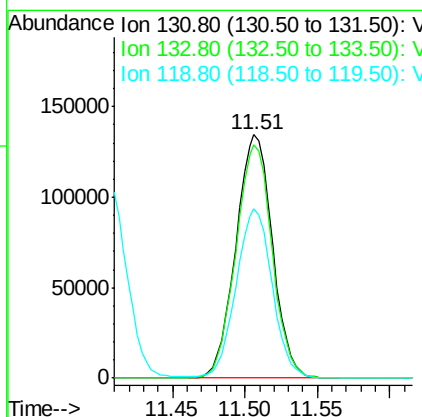
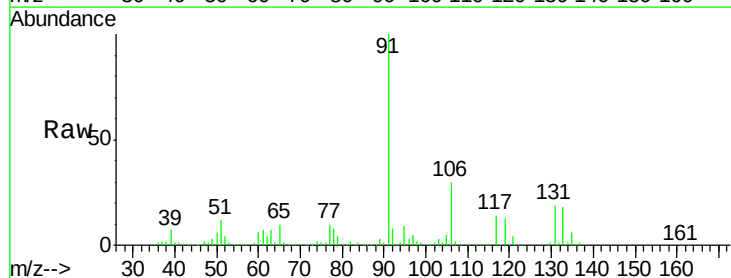
Manual Integrations
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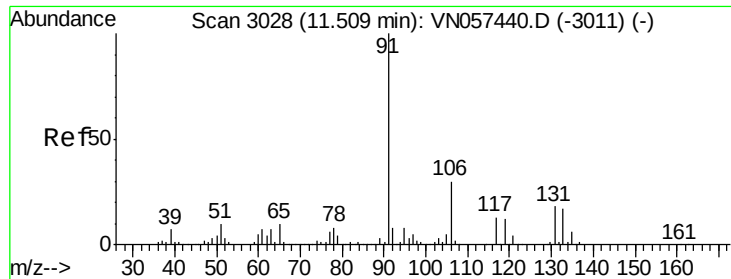
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.567 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.8
119	68.8	34.4	103.2





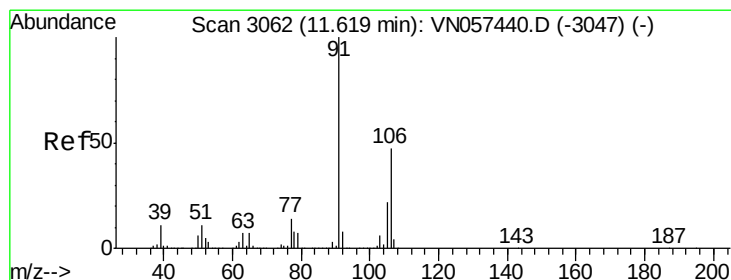
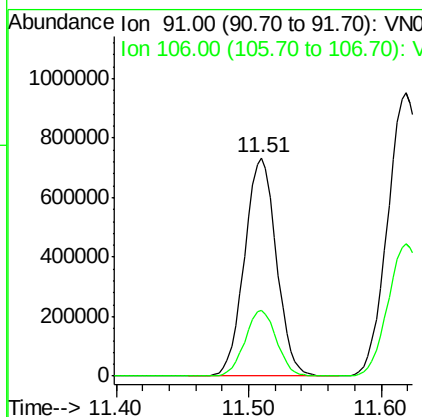
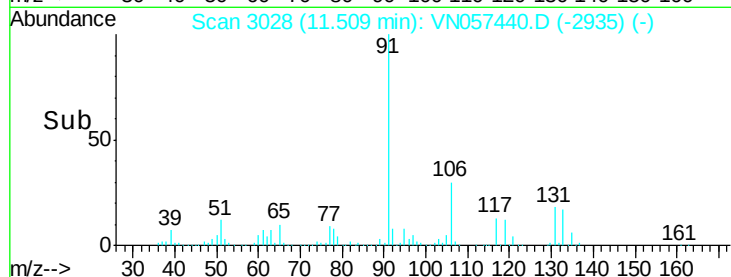
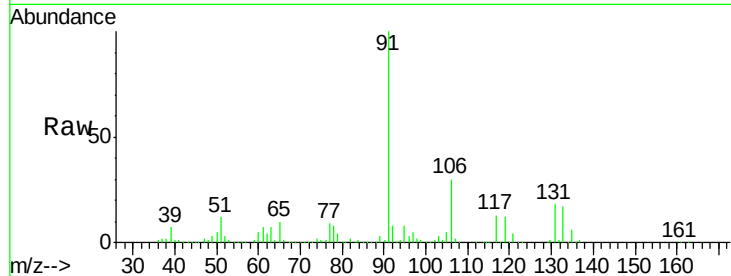
#67
Ethyl Benzene
Concen: 51.743 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1224842
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

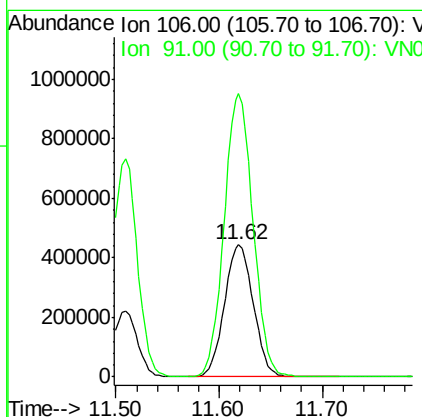
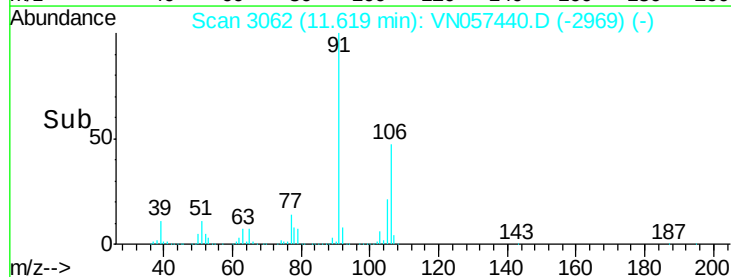
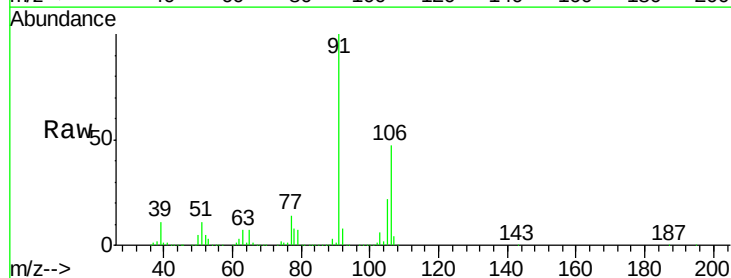
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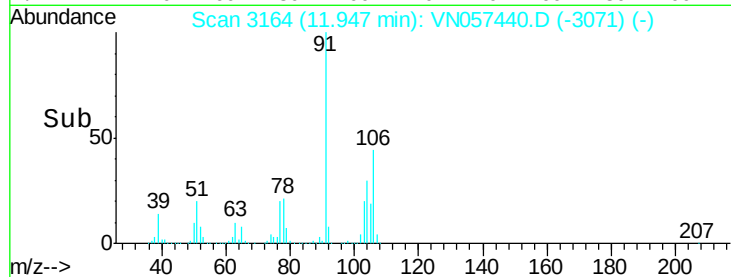
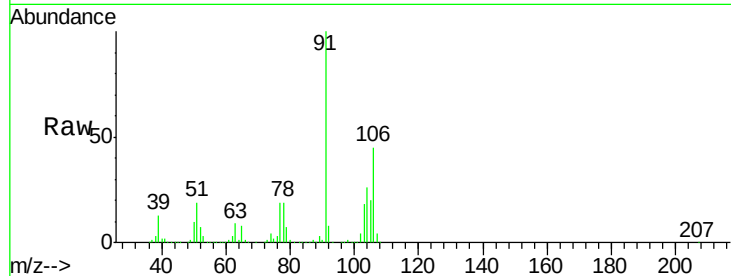
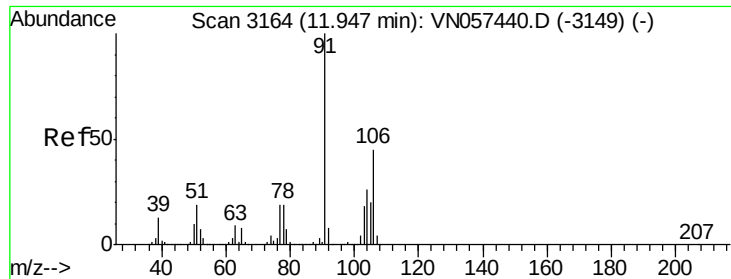
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#68
m/p-Xylenes
Concen: 100.078 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion: 106 Resp: 862003
Ion Ratio Lower Upper
106 100
91 214.7 171.8 257.6





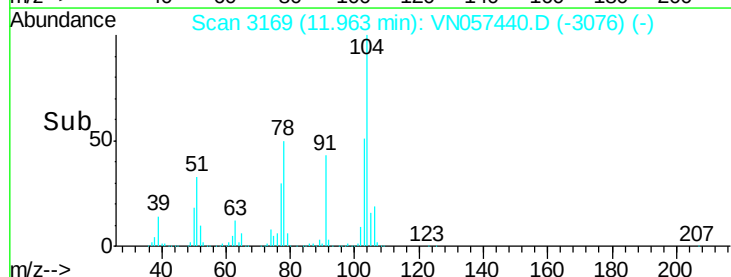
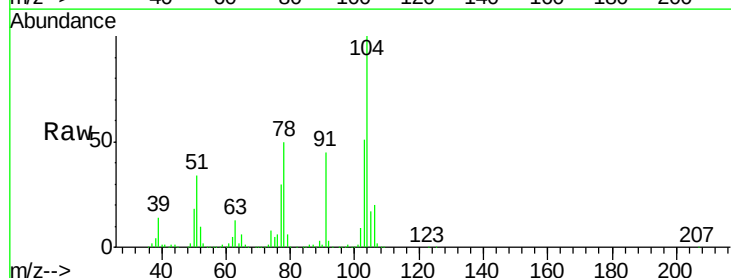
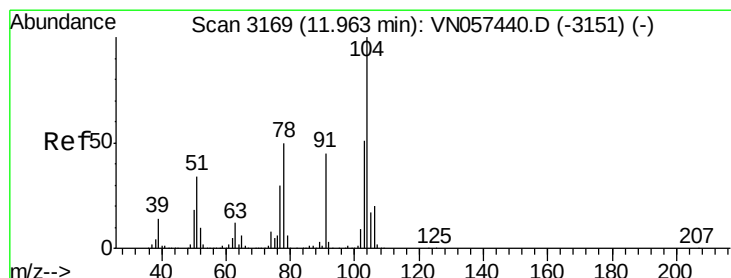
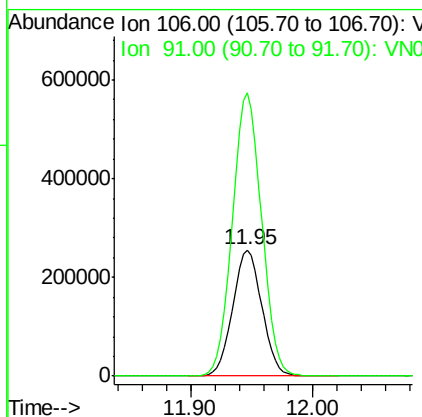
#69
o-Xylene
Concen: 50.201 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tot Ion	Ratio	Resp	Lower	Upper
106	100	425074		
91	224.6	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

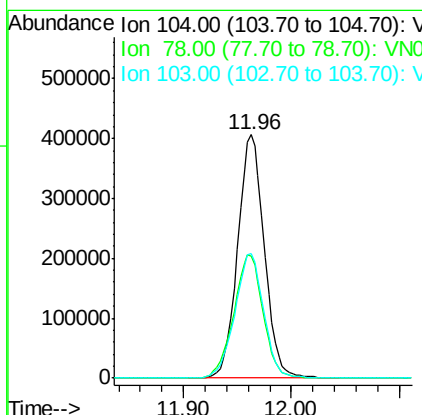
Manual Integrations
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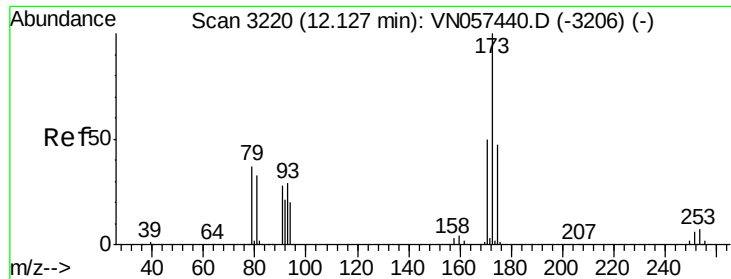
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#70
Styrene
Concen: 51.810 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	699547		
78	55.9	44.7	67.1	
103	55.5	44.4	66.6	





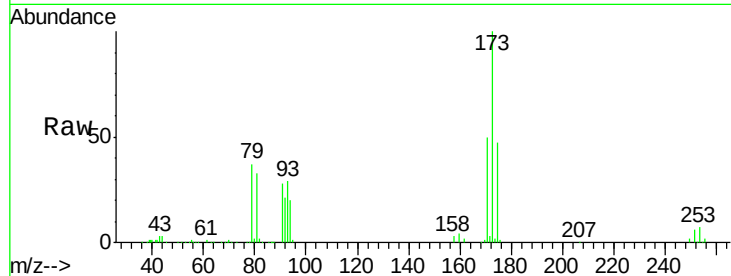
#71
Bromoform
Concen: 42.374 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.9	71.8
254	0.1	0.1	0.1

Manual Integrations
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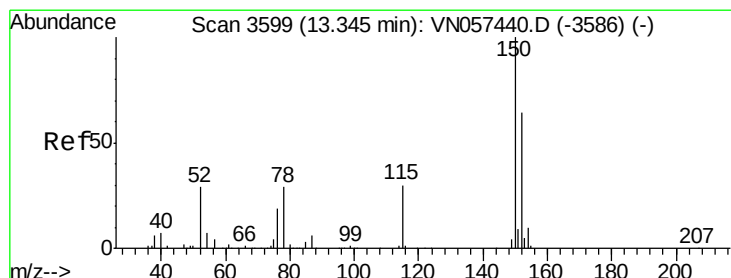
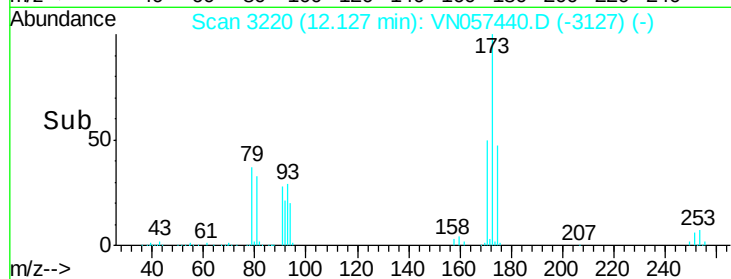
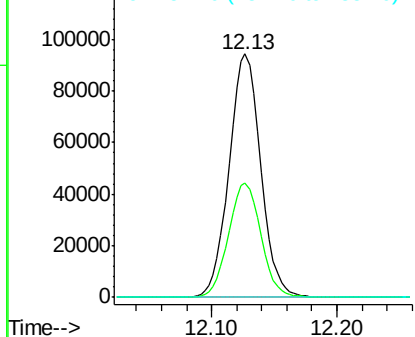


Abundance

Ion 172.70 (172.40 to 173.40): V

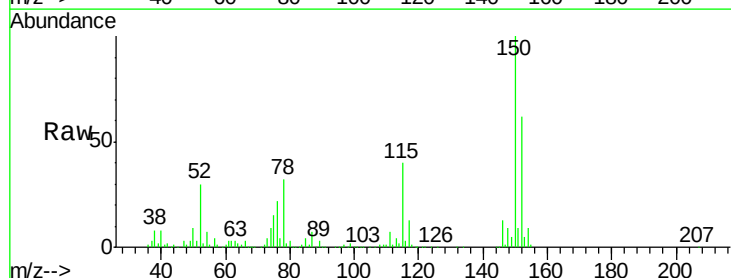
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.0	96.0
150	173.3	0.0	346.6

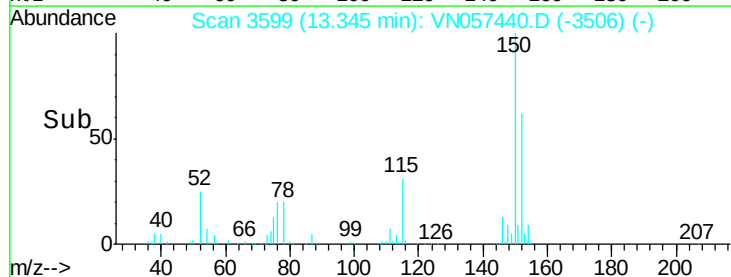
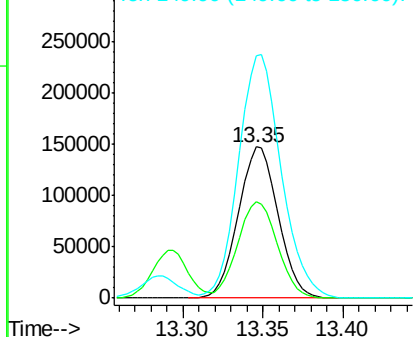


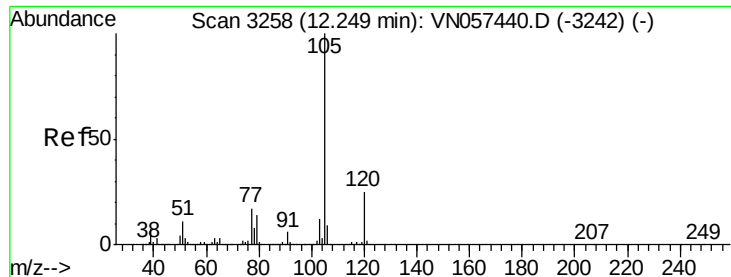
Abundance

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: 46.776 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1143607

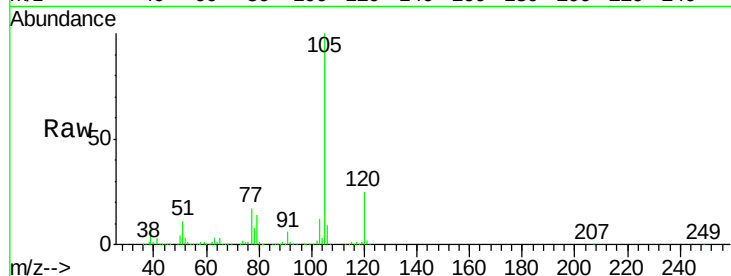
Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0

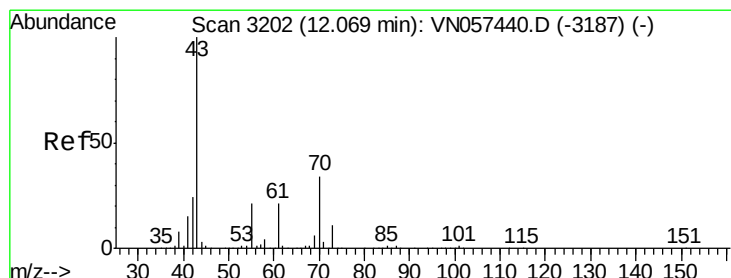
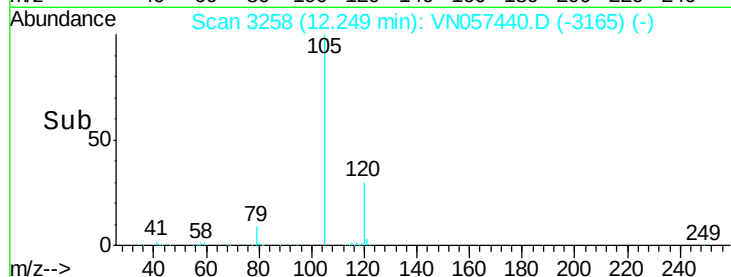
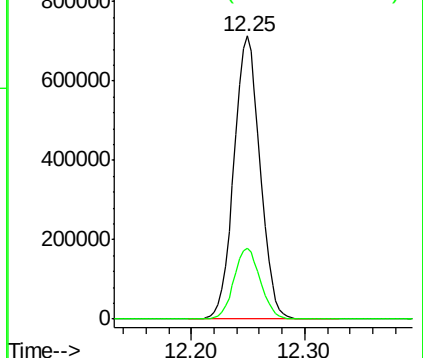
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 66.868 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion: 43 Resp: 527378

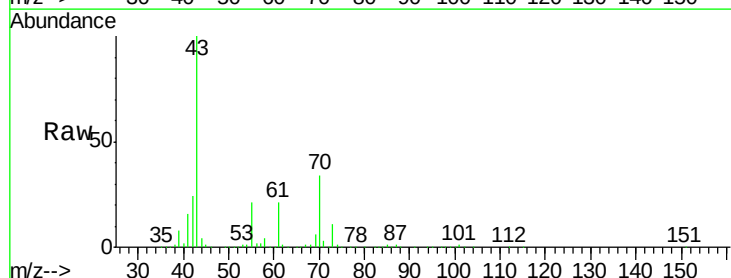
Ion Ratio Lower Upper

43 100

70 34.7 27.8 41.6

55 21.2 17.0 25.4

61 21.3 17.0 25.6

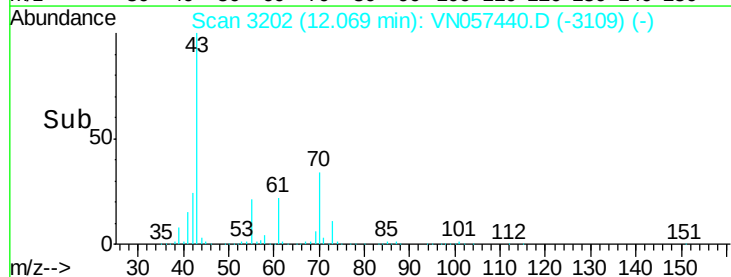
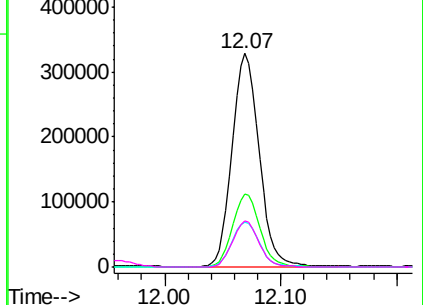


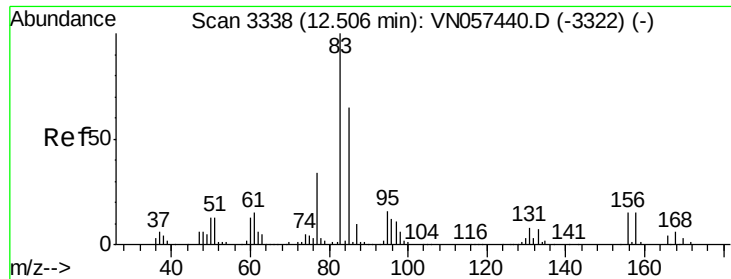
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.372 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 324372

Ion Ratio Lower Upper

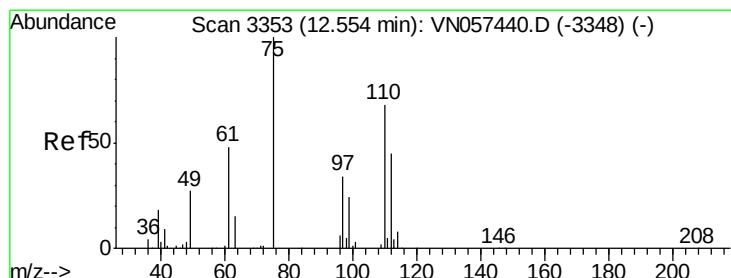
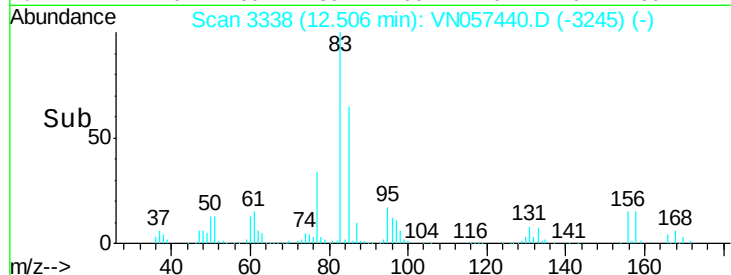
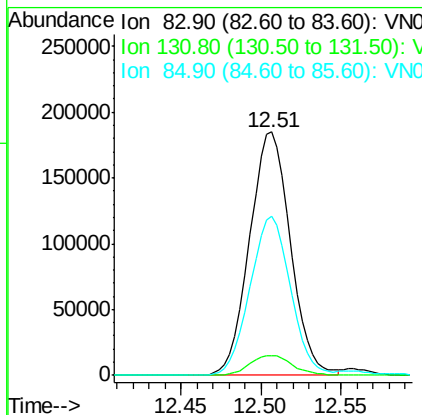
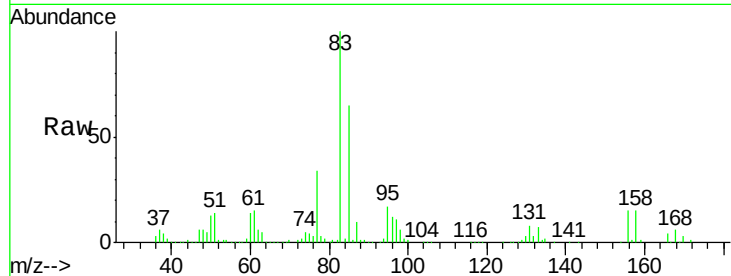
83 100

131 8.7 4.3 13.1

85 64.5 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.667 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057440.D

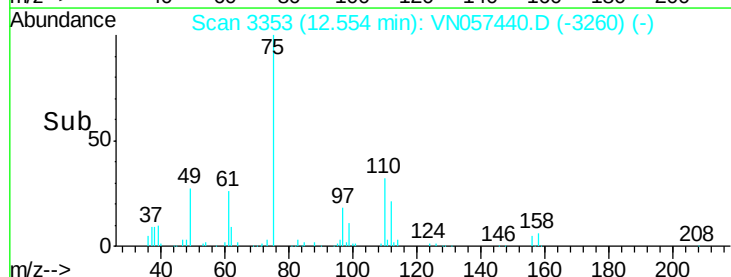
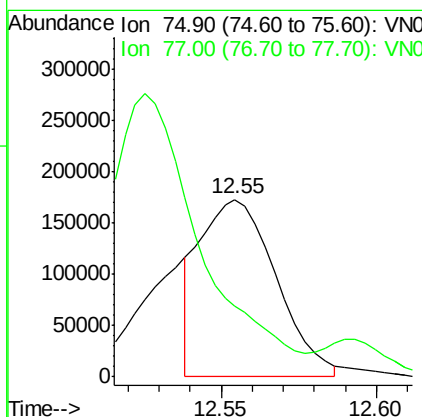
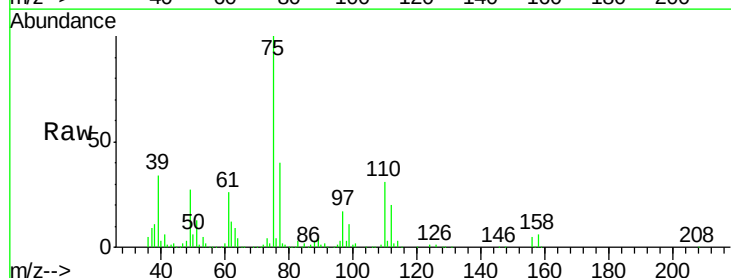
Acq: 22 Aug 2019 18:17

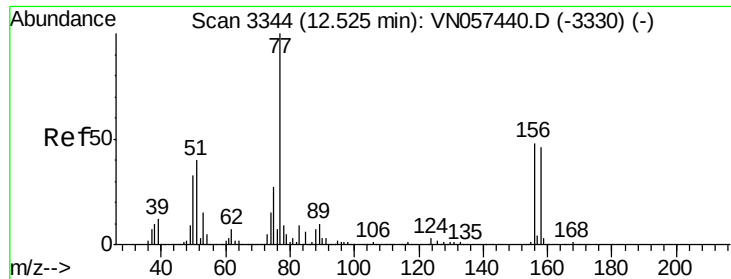
Tgt Ion: 75 Resp: 292242

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 37.712 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

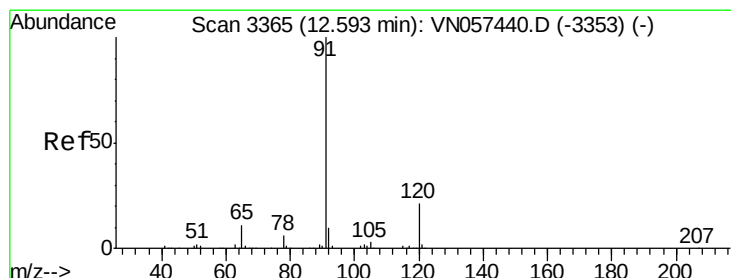
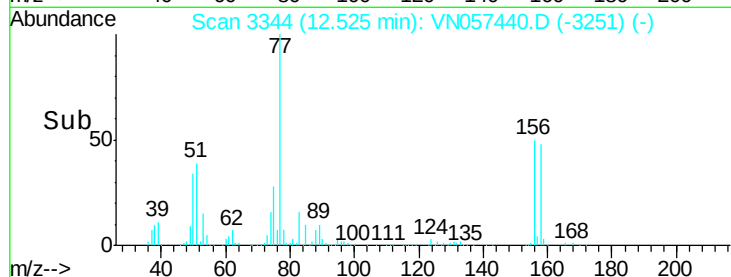
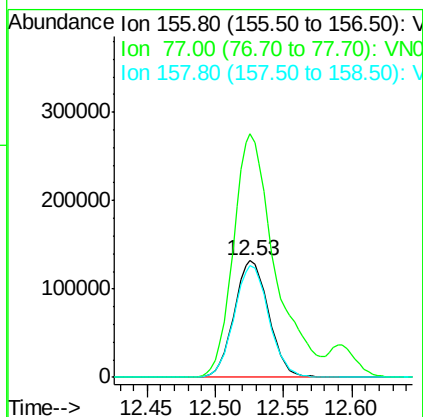
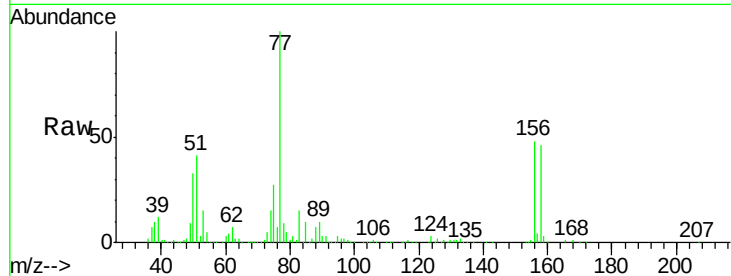
ClientSampled :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	248.9	124.4	373.3
158	96.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.174 ug/l

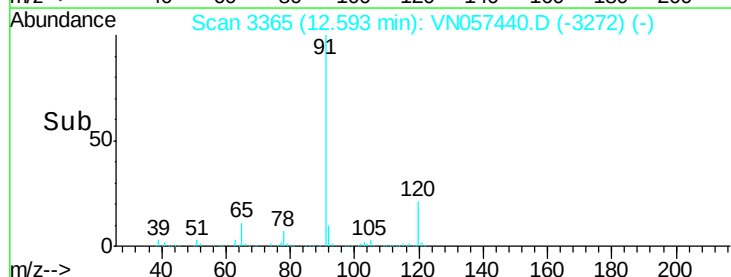
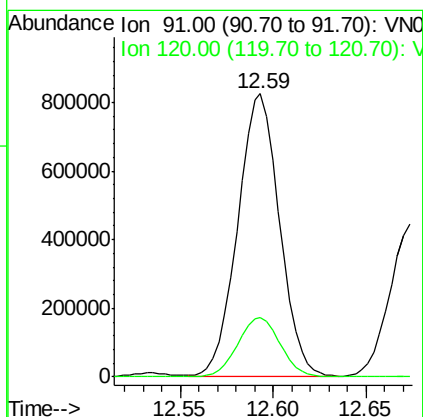
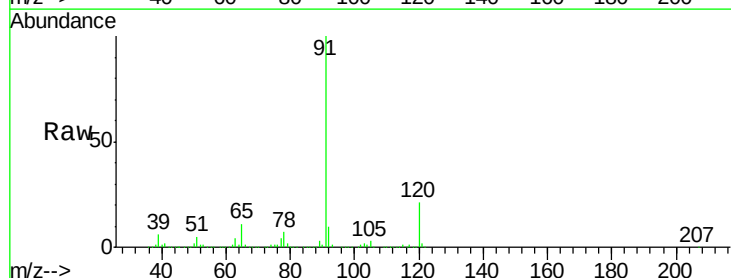
RT: 12.59 min Scan# 3365

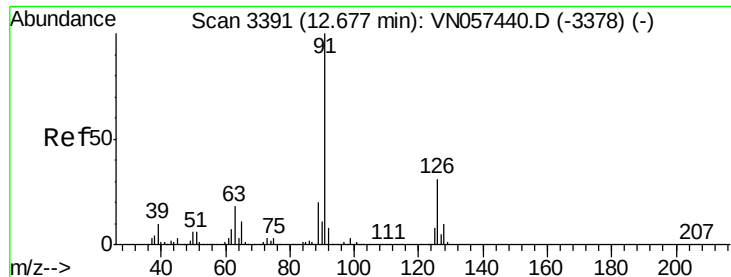
Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.7	32.1





#79

2-Chlorotoluene

Concen: 48.698 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 765689

Ion Ratio Lower Upper

91 100

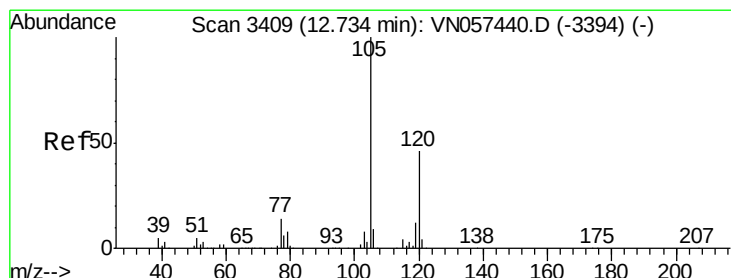
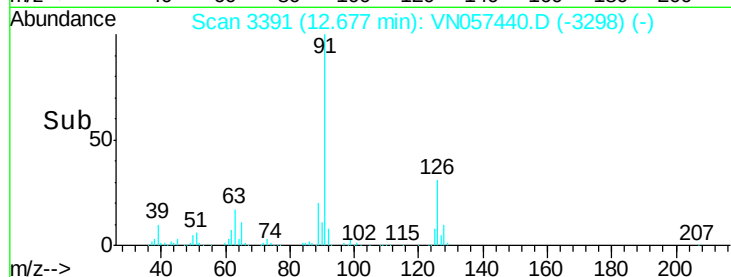
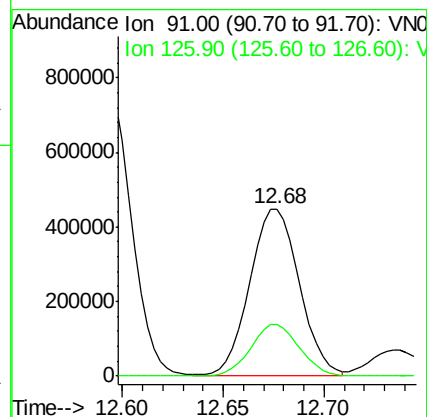
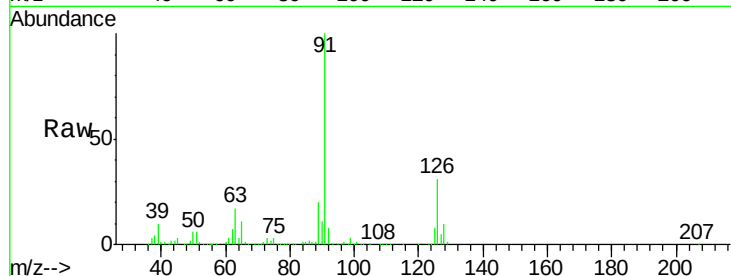
126 30.5 15.3 45.8

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 47.968 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057440.D

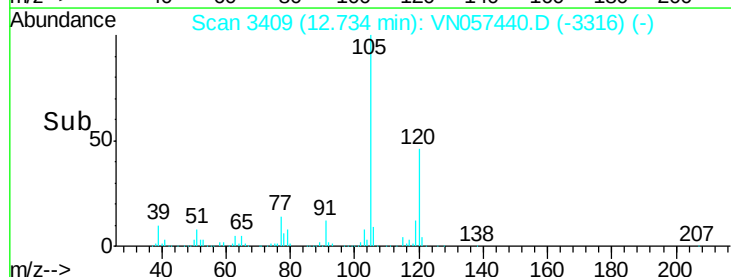
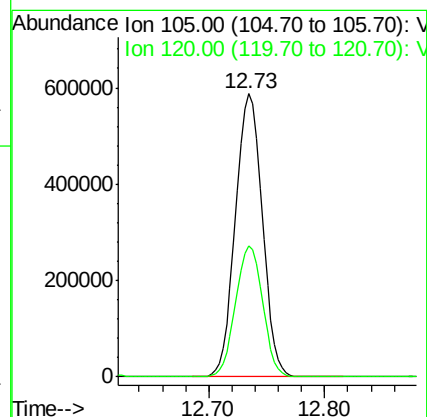
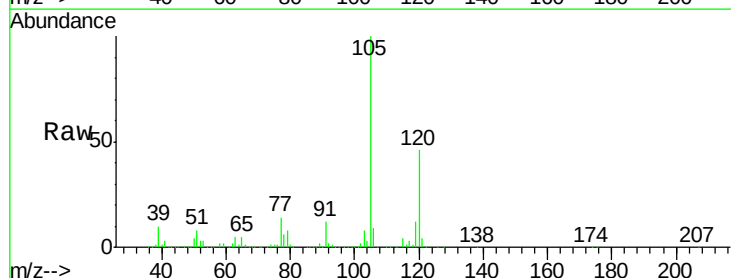
Acq: 22 Aug 2019 18:17

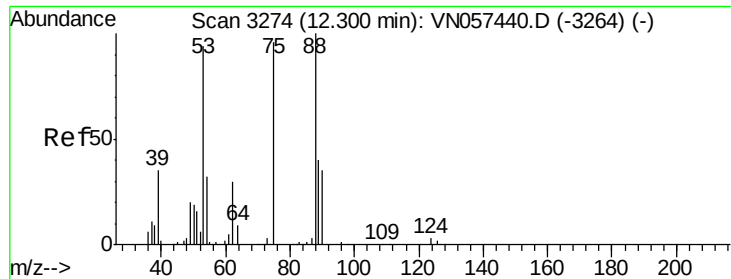
Tgt Ion: 105 Resp: 943339

Ion Ratio Lower Upper

105 100

120 46.5 23.3 69.8





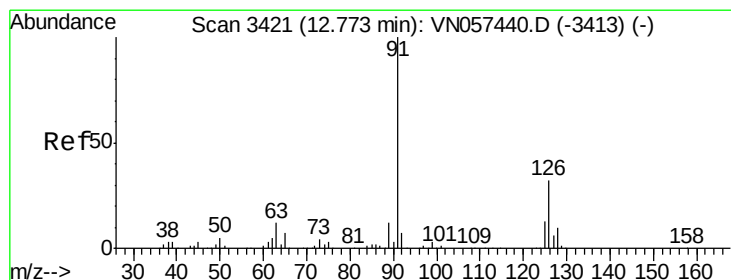
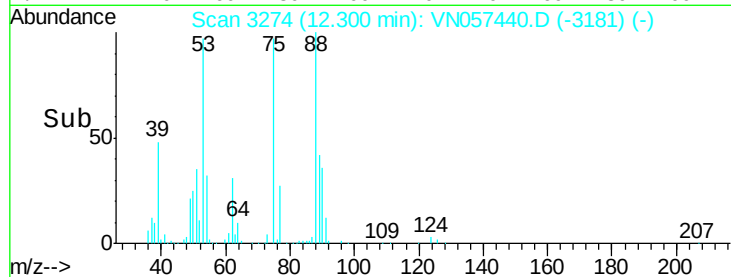
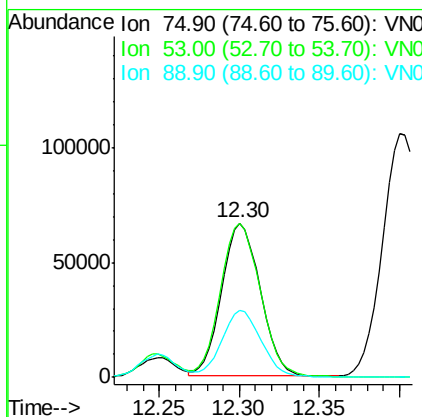
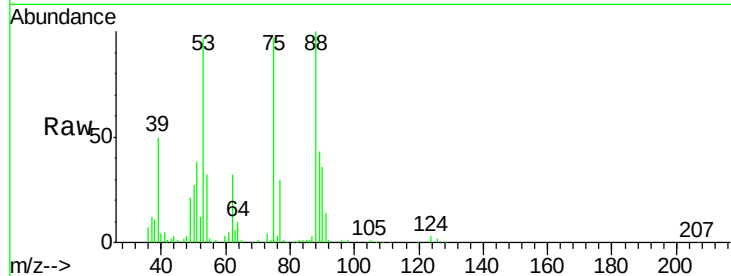
#81
trans-1,4-Dichloro-2-butene
Concen: 52.846 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	82.7	124.1
89	44.8	35.8	53.8

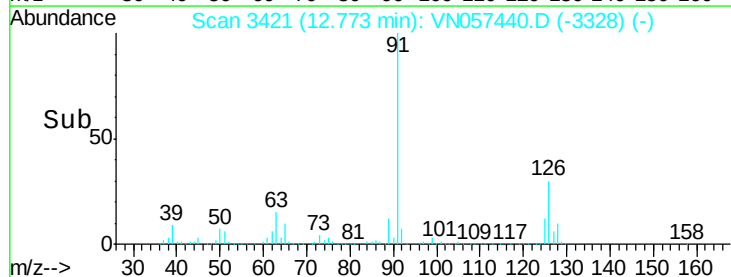
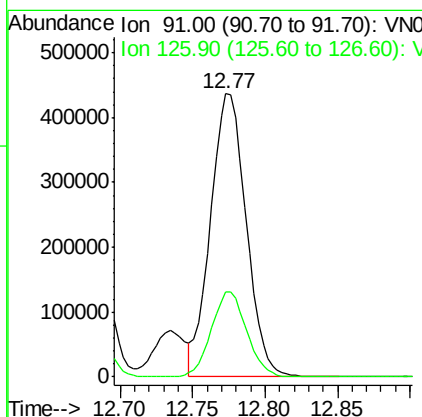
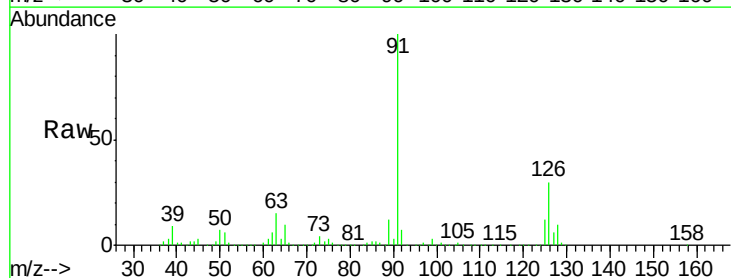
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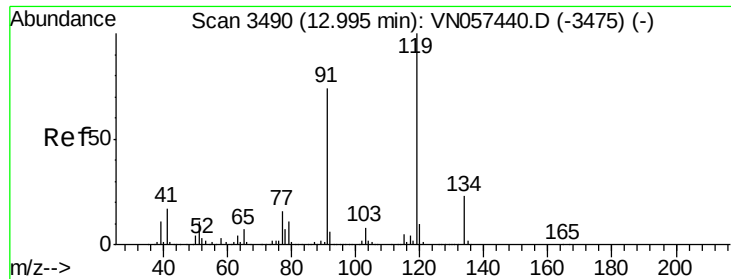
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#82
4-Chlorotoluene
Concen: 51.200 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.0	45.0





#83

tert-Butylbenzene

Concen: 43.588 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 788569

Ion Ratio Lower Upper

119 100

91 74.0 37.0 111.0

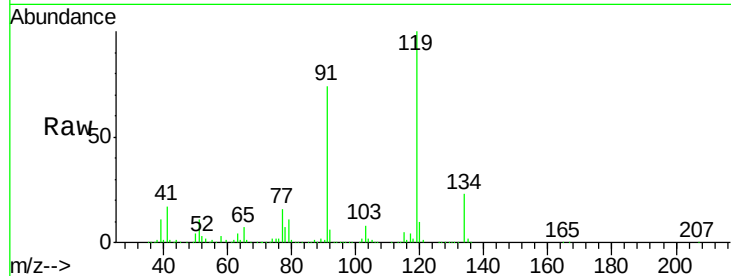
134 24.4 12.2 36.6

Manual Integrations

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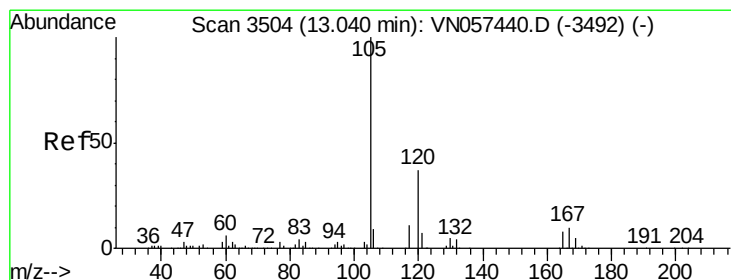
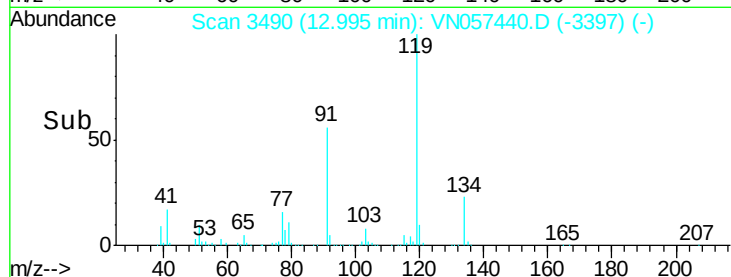
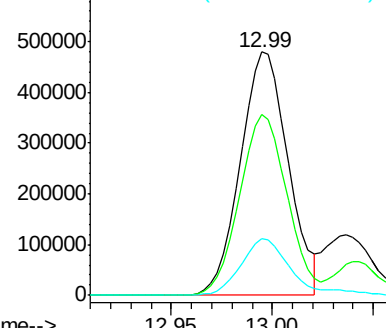
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.678 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057440.D

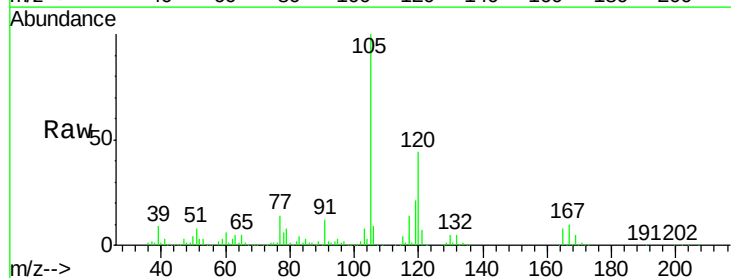
Acq: 22 Aug 2019 18:17

Tgt Ion:105 Resp: 907129

Ion Ratio Lower Upper

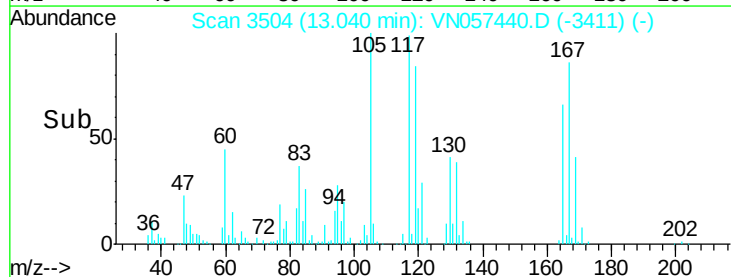
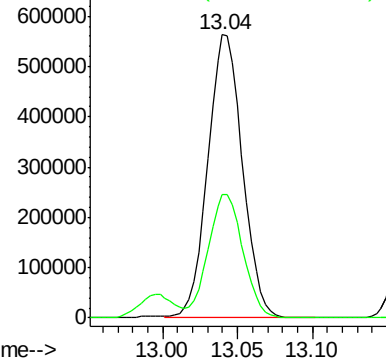
105 100

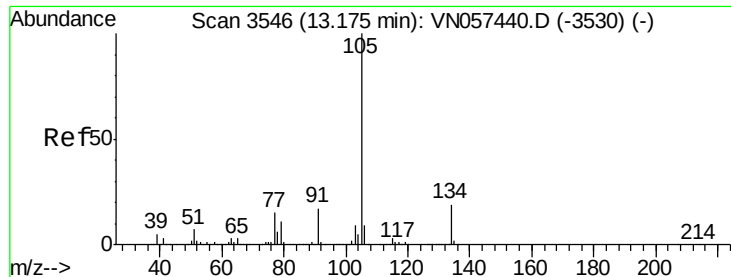
120 43.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





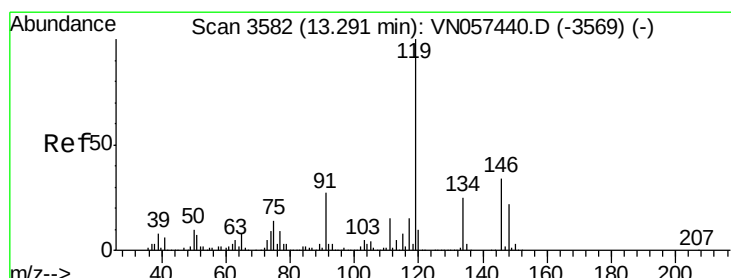
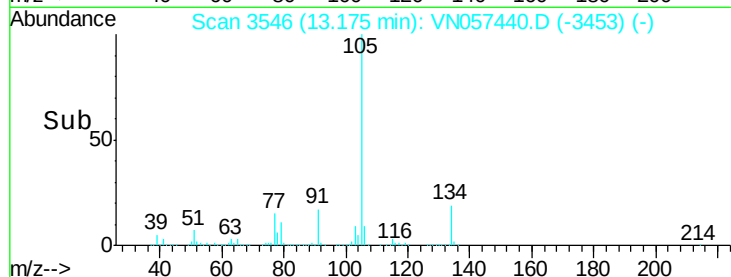
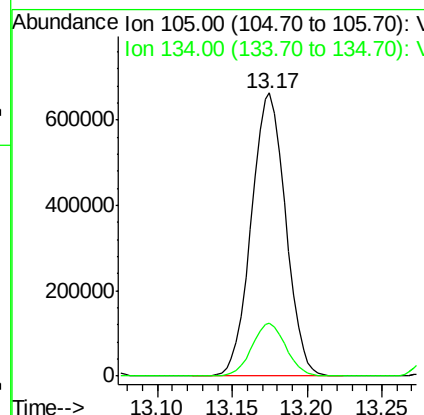
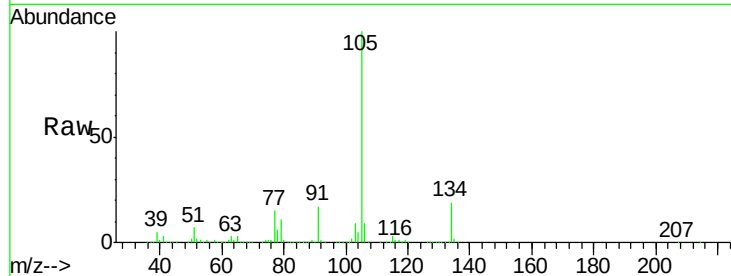
#85
 sec-Butylbenzene
 Concen: 48.309 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1056892
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.3 27.9

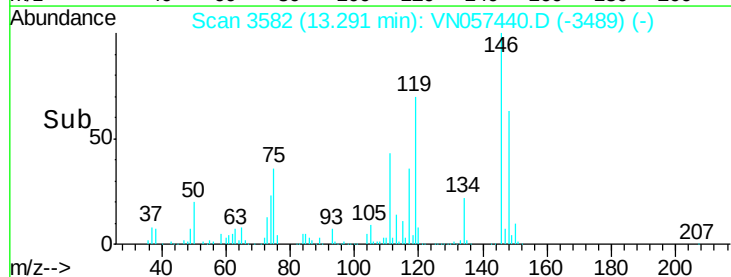
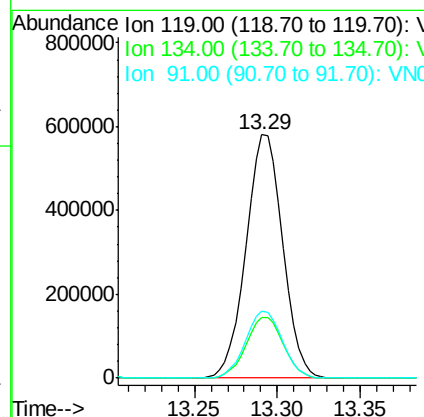
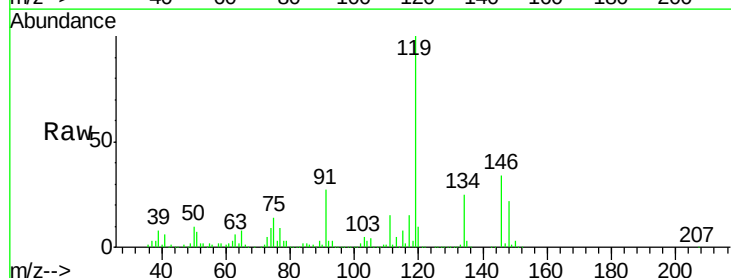
Manual Integrations
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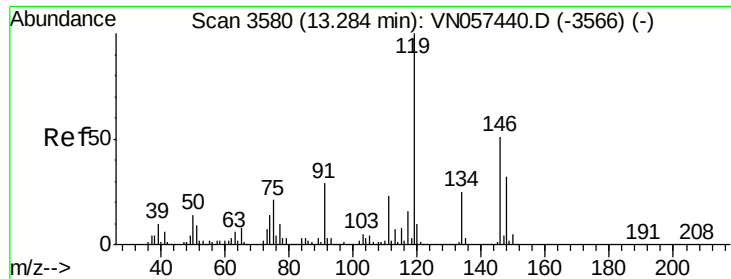
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#86
 p-Isopropyltoluene
 Concen: 48.077 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion:119 Resp: 892811
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 27.7 13.9 41.6





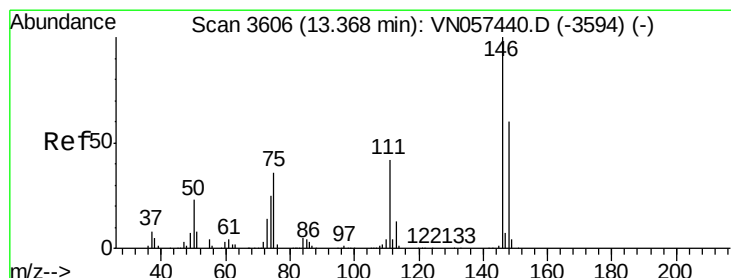
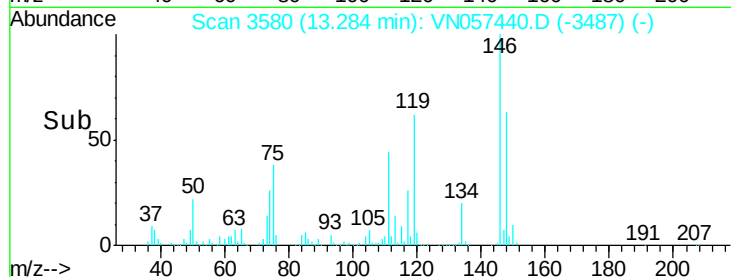
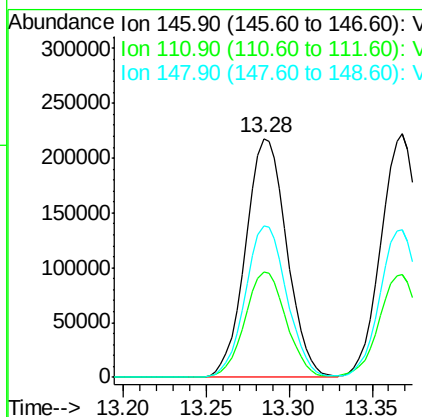
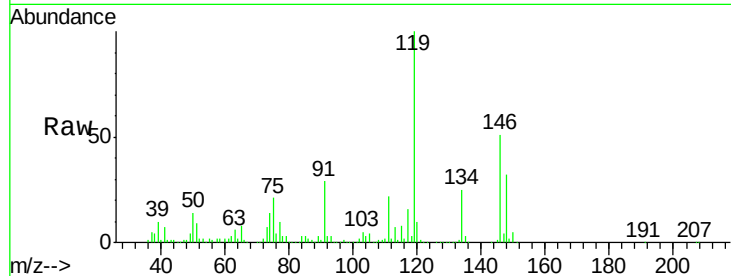
#87
 1,3-Dichlorobenzene
 Concen: 43.707 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.1
148	63.9	31.9	95.9

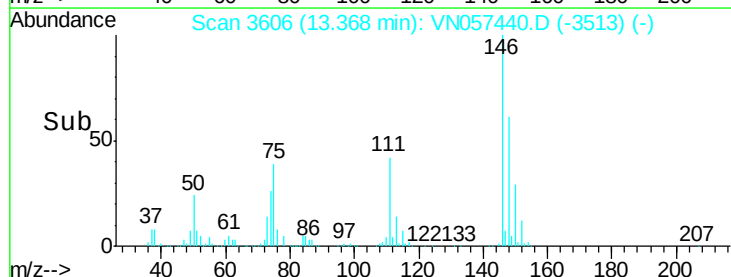
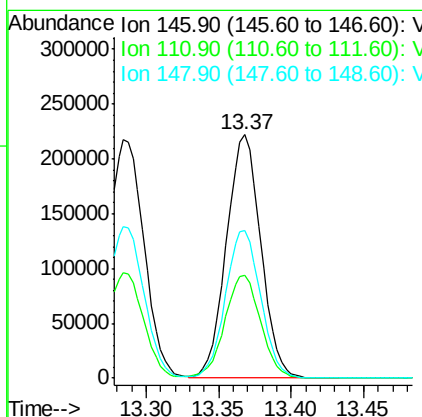
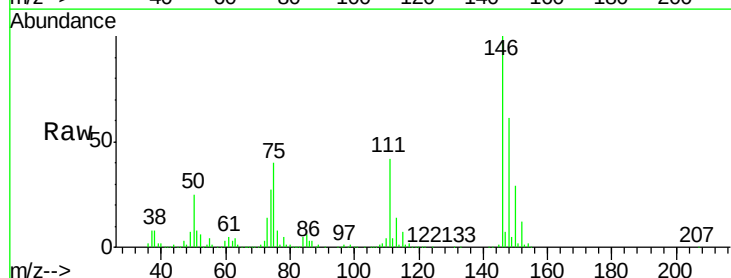
Manual Integrations
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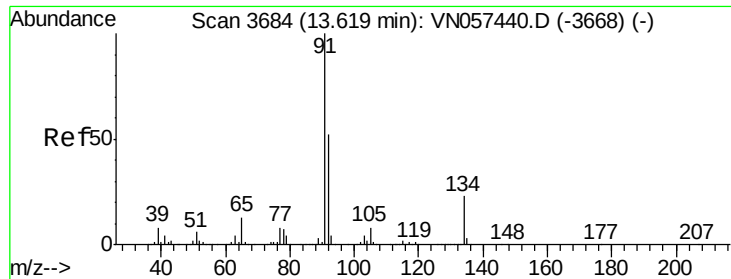
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#88
 1,4-Dichlorobenzene
 Concen: 44.527 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	62.1	31.1	93.2





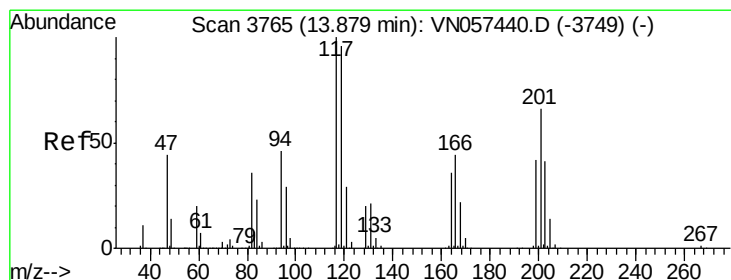
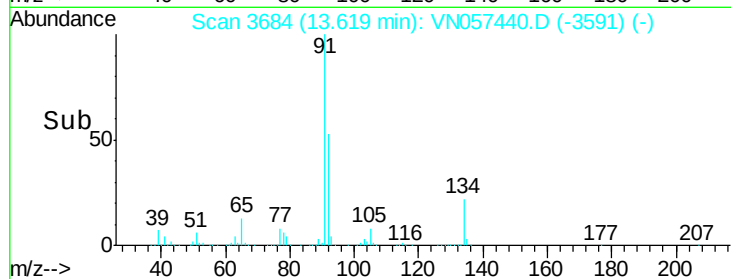
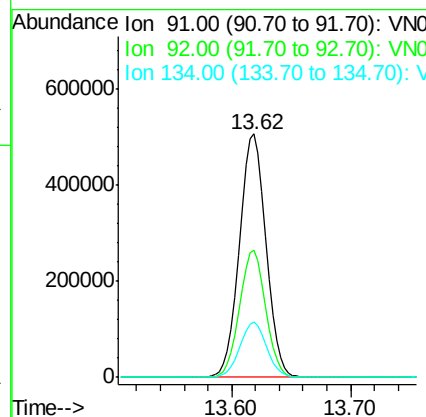
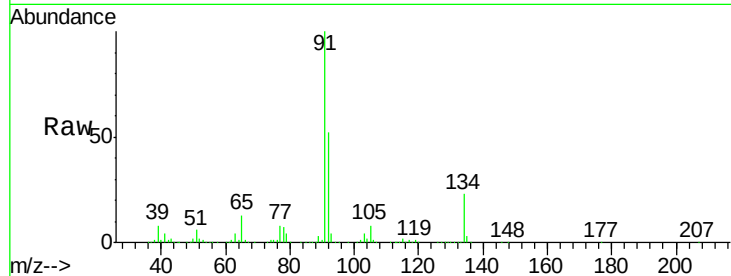
#89
n-Butylbenzene
Concen: 57.398 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	22.7	11.4	34.1

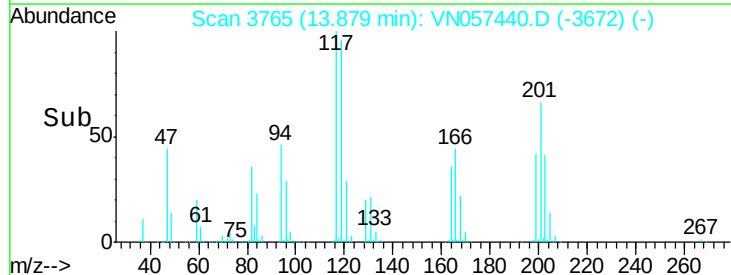
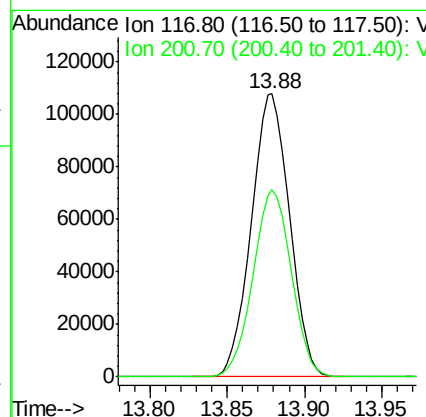
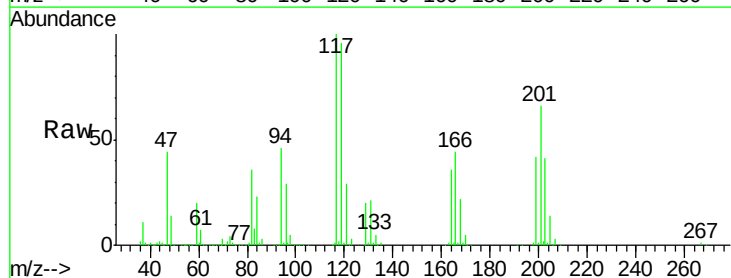
Manual Integrations
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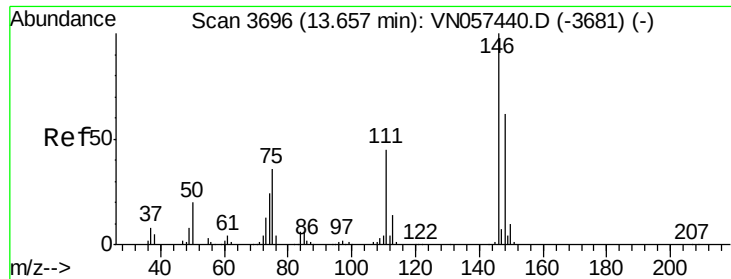
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#90
Hexachloroethane
Concen: 47.939 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057440.D
Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.1	99.3





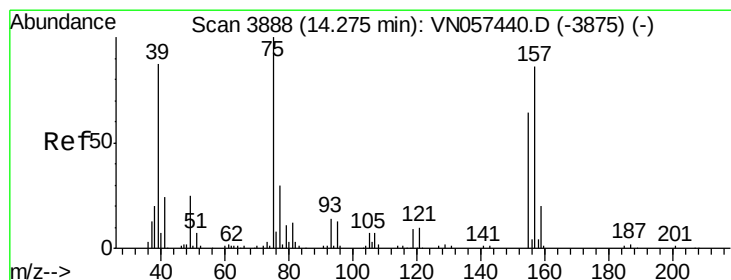
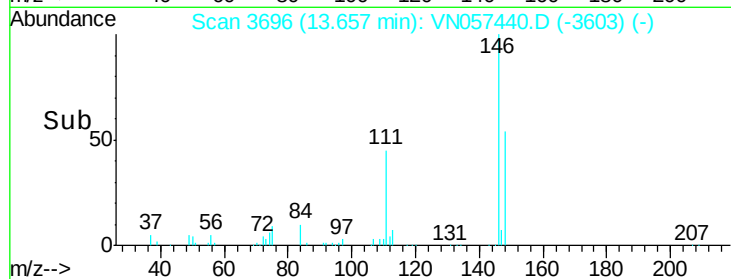
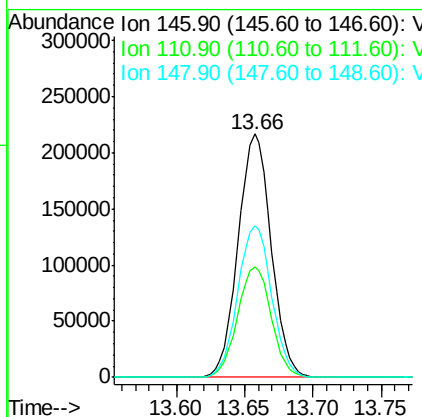
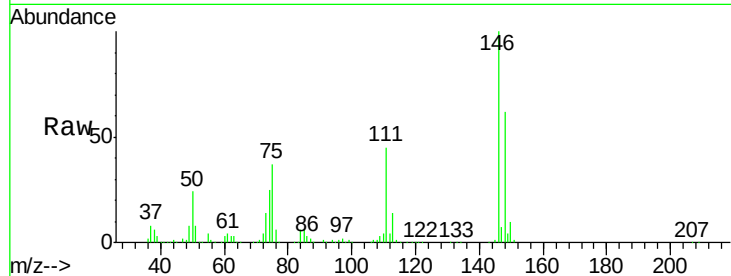
#91
 1,2-Dichlorobenzene
 Concen: 45.417 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.2
148	63.6	31.8	95.4

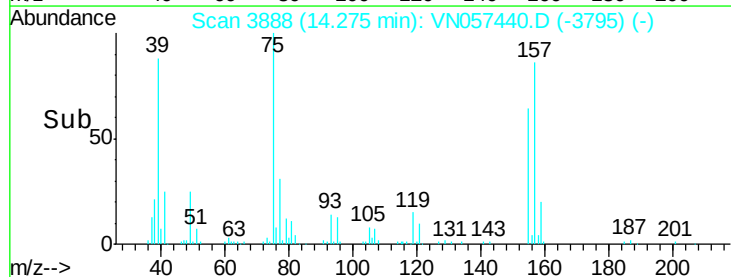
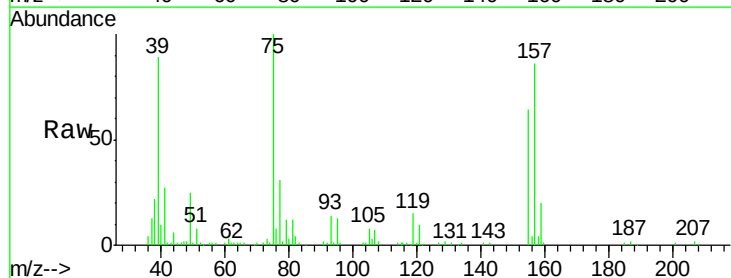
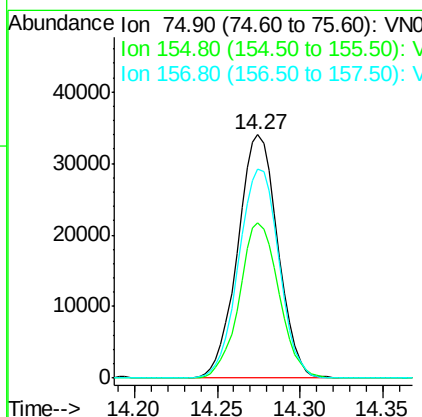
Manual Integrations
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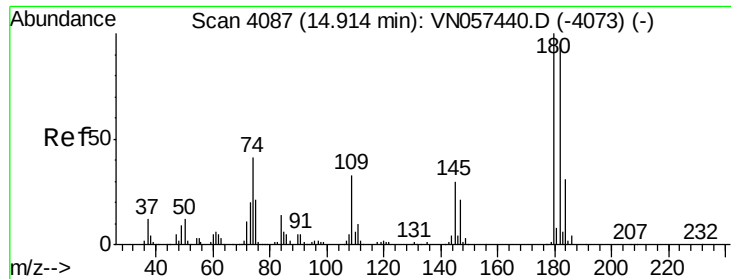
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.700 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.1	31.6	94.7
157	86.5	43.3	129.8





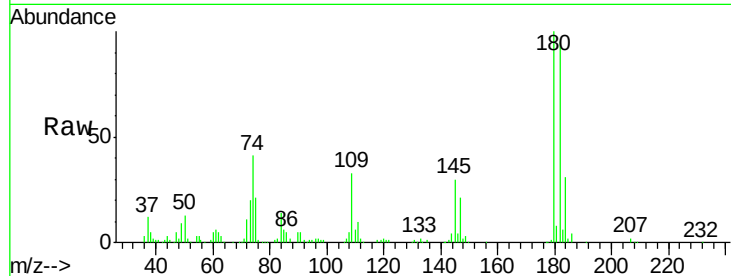
#93
 1,2,4-Trichlorobenzene
 Concen: 45.815 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

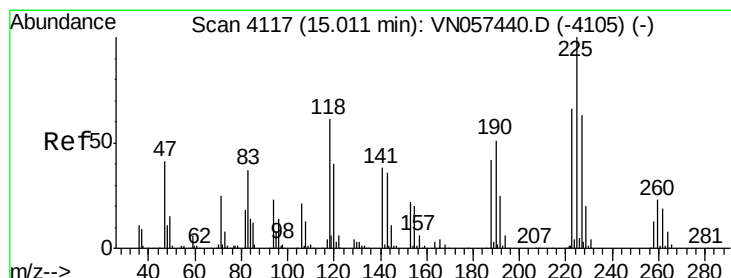
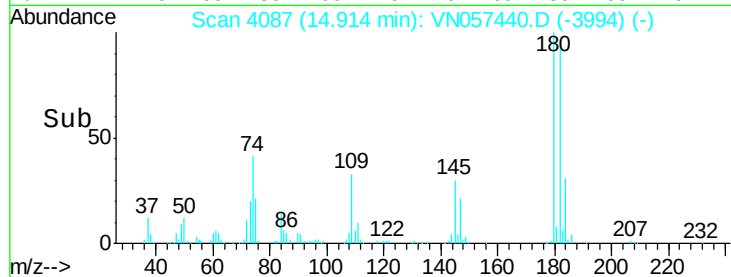
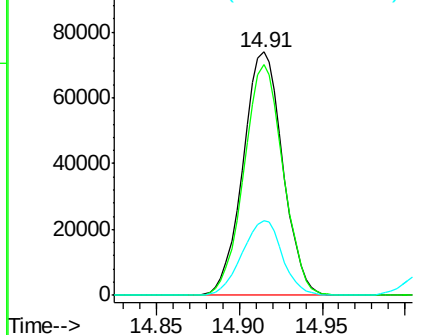
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	31.2	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:09 PM

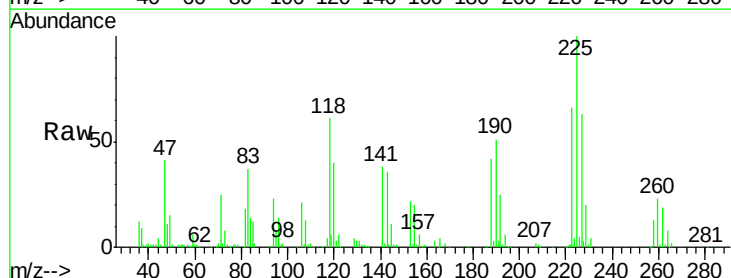


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

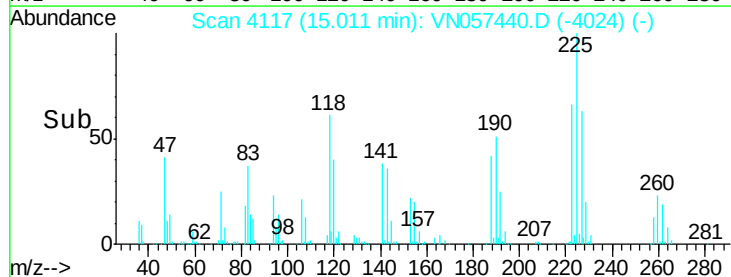
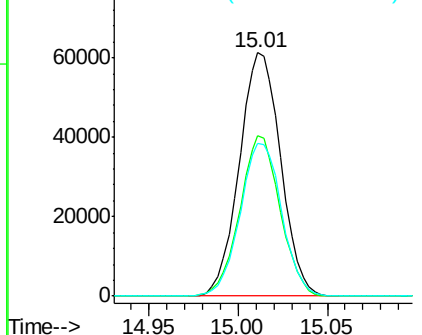


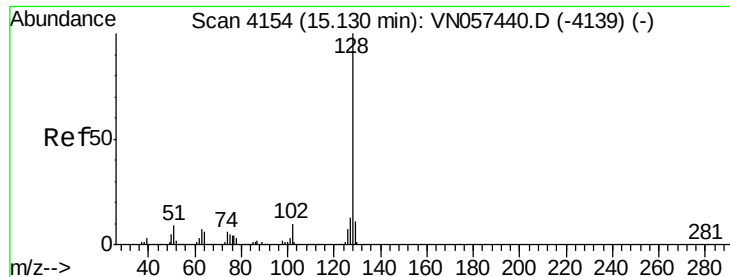
#94
 Hexachlorobutadiene
 Concen: 27.852 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057440.D
 Acq: 22 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.0	96.2
227	63.0	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 65.306 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Instrument :

MSVOA_N

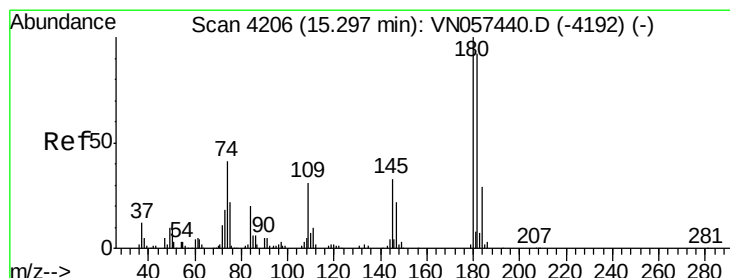
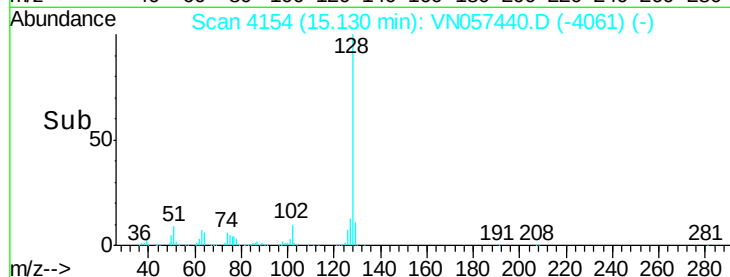
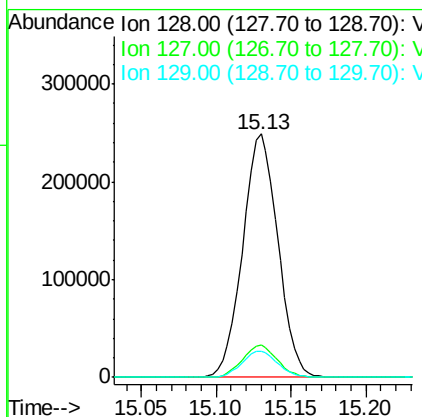
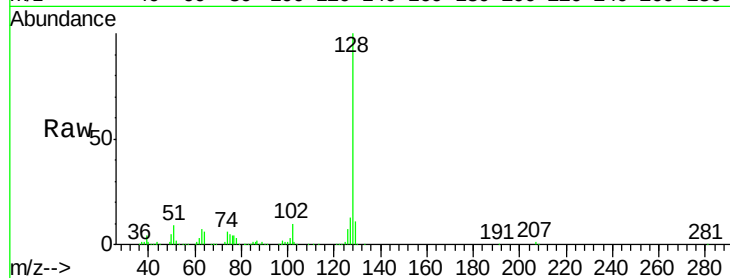
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	407976
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.027 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057440.D

Acq: 22 Aug 2019 18:17

Tgt Ion:	180	Resp:	123815
Ion Ratio	Lower	Upper	
180	100		
182	93.4	46.7	140.1
145	33.5	16.8	50.3

