

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057498.D
 Acq On : 26 Aug 2019 9:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:15 PM

Quant Time: Aug 26 11:59:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	364086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	647483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	582237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	324500	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.57	113	216018	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	870648	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.40	95	302857	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	198779	46.266	ug/l	96
3) Chloromethane	2.04	50	266340	43.403	ug/l	97
4) Vinyl Chloride	2.17	62	326075	43.657	ug/l	98
5) Bromomethane	2.54	94	213944	46.481	ug/l	99
6) Chloroethane	2.69	64	230309	47.937	ug/l	97
7) Trichlorofluoromethane	3.00	101	545543	47.056	ug/l	97
8) Diethyl Ether	3.39	74	199339	51.155	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	304044	52.429	ug/l	99
10) Methyl Iodide	3.92	142	400201	84.537	ug/l	95
11) Tert butyl alcohol	4.78	59	175173	220.131	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	290485	46.873	ug/l	99
13) Acrolein	3.58	56	203238	290.451	ug/l	99
14) Allyl chloride	4.29	41	375897	45.797	ug/l	96
15) Acrylonitrile	4.96	53	482261	224.723	ug/l	99
16) Acetone	3.80	43	1065694	362.321	ug/l	97
17) Carbon Disulfide	4.02	76	474513	40.140	ug/l	99
18) Methyl Acetate	4.30	43	293637	46.188	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	656022	43.853	ug/l	99
20) Methylene Chloride	4.52	84	208576	47.826	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	195053	44.603	ug/l	98
22) Diisopropyl ether	5.93	45	839483	47.744	ug/l	99
23) Vinyl Acetate	5.87	43	3142035	228.787	ug/l	99
24) 1,1-Dichloroethane	5.82	63	433448	46.515	ug/l	99
25) 2-Butanone	6.82	43	768884	240.737	ug/l	98
26) 2,2-Dichloropropane	6.80	77	366353	45.399	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	244196	47.106	ug/l	99
28) Bromochloromethane	7.18	49	230881	46.009	ug/l	98
29) Tetrahydrofuran	7.20	42	471127	223.704	ug/l	98
30) Chloroform	7.35	83	423267	48.960	ug/l	99
31) Cyclohexane	7.63	56	419580	46.636	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	358854	44.894	ug/l	98
36) 1,1-Dichloropropene	7.77	75	315600	47.702	ug/l	99
37) Ethyl Acetate	6.91	43	300402	45.951	ug/l	100
38) Carbon Tetrachloride	7.76	117	293869	44.711	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	396054	50.405	ug/l	97
40) Benzene	8.02	78	942184	47.447	ug/l	98
41) Methacrylonitrile	7.15	41	135385	43.429	ug/l	96
42) 1,2-Dichloroethane	8.11	62	359385	47.004	ug/l	99
43) Isopropyl Acetate	8.15	43	546730	45.609	ug/l	99
44) Trichloroethene	8.82	130	216694	48.886	ug/l	94
45) 1,2-Dichloropropane	9.11	63	266173	47.595	ug/l	100
46) Dibromomethane	9.20	93	160370	48.932	ug/l	97
47) Bromodichloromethane	9.39	83	342904	46.476	ug/l	98
48) Methyl methacrylate	9.19	41	263567	46.239	ug/l	97
49) 1,4-Dioxane	9.19	88	65337	886.388	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1532377	229.374	ug/l	99
52) Toluene	10.15	92	580983	50.763	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	366201	47.385	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	400045	46.492	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	215921	46.652	ug/l	98
56) Ethyl methacrylate	10.43	69	353188	48.510	ug/l	98
57) 1,3-Dichloropropane	10.70	76	388769	48.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	560796	274.751	ug/l	98
59) 2-Hexanone	10.75	43	1106428	241.463	ug/l	100
60) Dibromochloromethane	10.90	129	229188	46.858	ug/l	99
61) 1,2-Dibromoethane	11.00	107	219864	48.434	ug/l	99
64) Tetrachloroethene	10.63	164	191554	47.026	ug/l	97
65) Chlorobenzene	11.43	112	565656	48.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	215927	47.837	ug/l	99
67) Ethyl Benzene	11.51	91	1154572	50.681	ug/l	98
68) m/p-Xylenes	11.62	106	816271	105.360	ug/l	99
69) o-Xylene	11.94	106	394332	51.380	ug/l	99
70) Styrene	11.96	104	652618	53.702	ug/l	99
71) Bromoform	12.12	173	140034	45.893	ug/l #	100
73) Isopropylbenzene	12.25	105	1077719	53.476	ug/l	100
74) N-amyl acetate	12.07	43	457781	47.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286951	49.128	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	247557m	48.912	ug/l	
77) Bromobenzene	12.53	156	218313	52.260	ug/l	99
78) n-propylbenzene	12.59	91	1230723	53.153	ug/l	100
79) 2-Chlorotoluene	12.67	91	719791	53.042	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	891846	53.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	92370	44.550	ug/l	96
82) 4-Chlorotoluene	12.77	91	718369	52.941	ug/l	98
83) tert-Butylbenzene	12.99	119	748133	54.102	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	873750	49.232	ug/l	99
85) sec-Butylbenzene	13.17	105	1010010	53.740	ug/l	100
86) p-Isopropyltoluene	13.29	119	862529	48.338	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	357991	48.549	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	353492	48.952	ug/l	99
89) n-Butylbenzene	13.62	91	774658	51.301	ug/l	100
90) Hexachloroethane	13.88	117	163829	49.007	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	342229	48.618	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47646	43.605	ug/l	97

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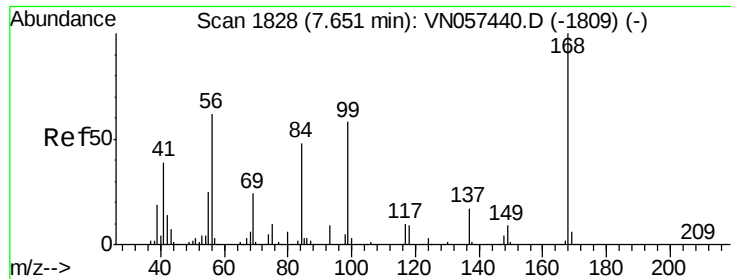
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119924	42.955	ug/l	99
94) Hexachlorobutadiene	15.01	225	93299	52.171	ug/l	97
95) Naphthalene	15.13	128	370893	41.635	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	120801	43.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 364086

Ion Ratio Lower Upper

168 100

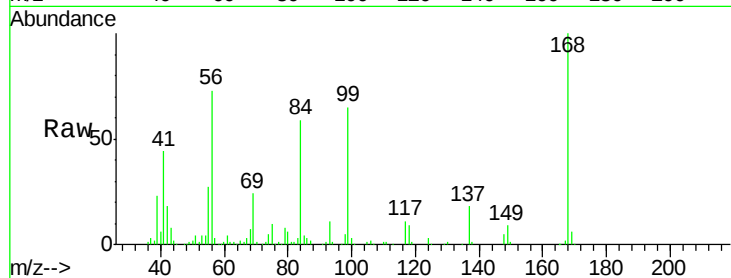
99 64.5 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

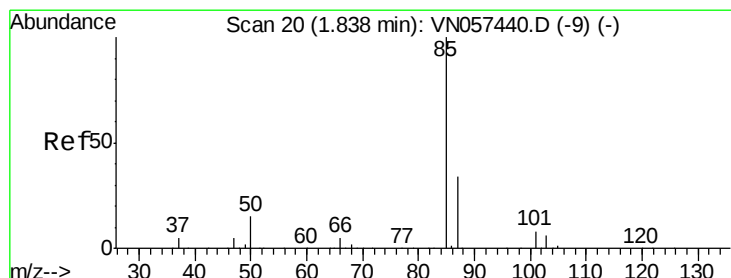
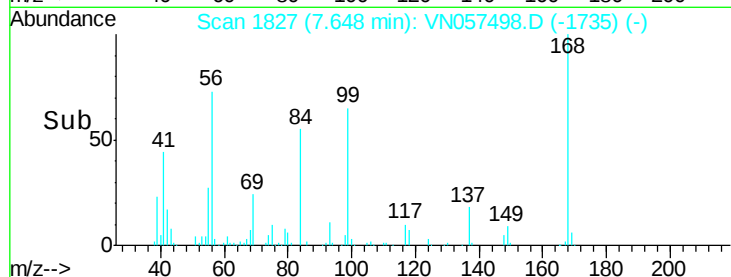
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.266 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057498.D

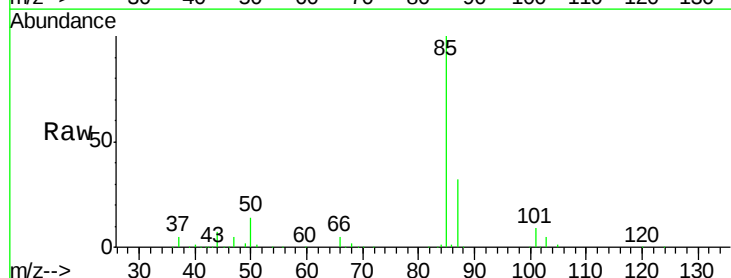
Acq: 26 Aug 2019 9:15

Tgt Ion: 85 Resp: 198779

Ion Ratio Lower Upper

85 100

87 31.8 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

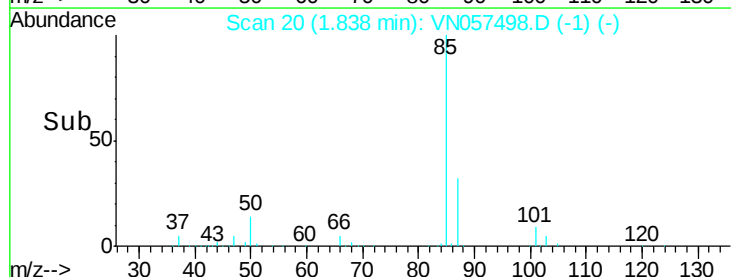
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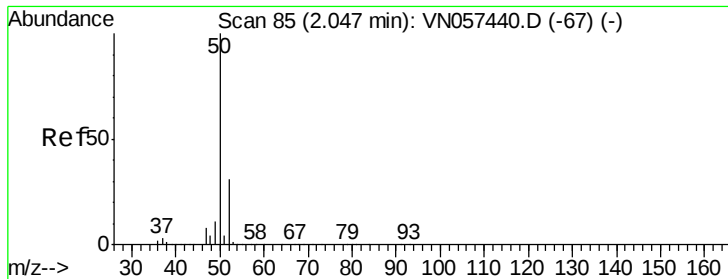
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50000

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Time-->





#3

Chloromethane

Concen: 43.403 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 266340

Ion Ratio Lower Upper

50 100

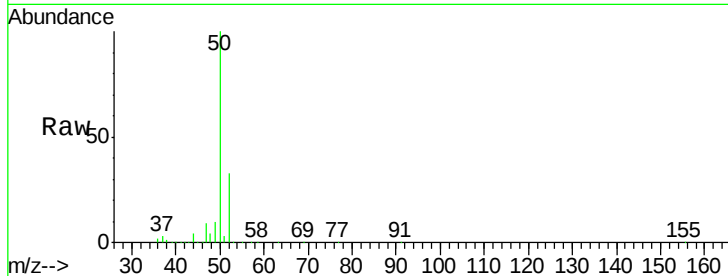
52 33.0 25.1 37.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

200000

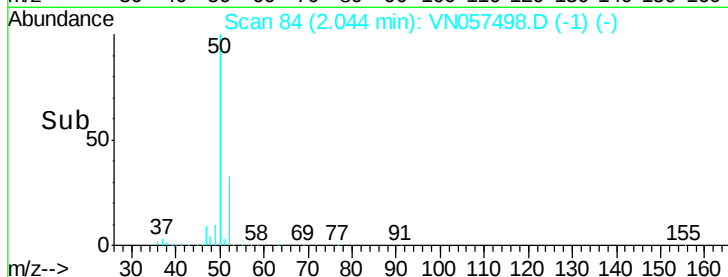
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100000

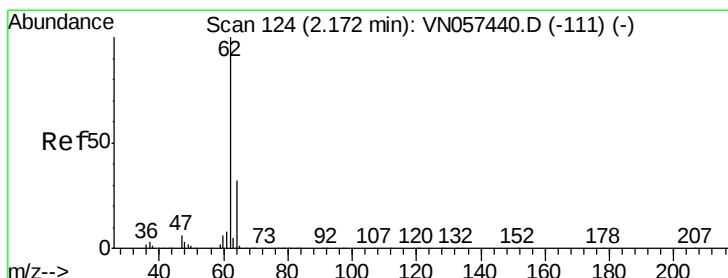
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 43.657 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057498.D

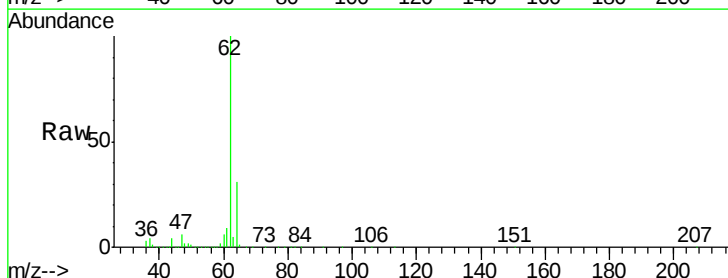
Acq: 26 Aug 2019 9:15

Tgt Ion: 62 Resp: 326075

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

250000

200000

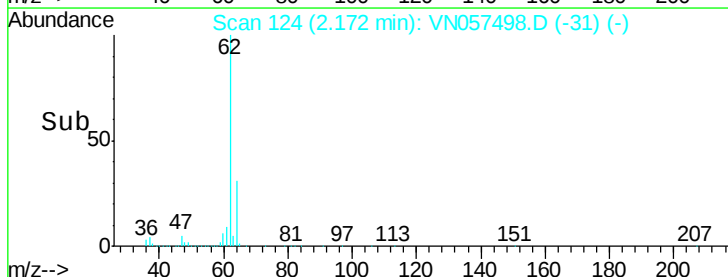
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100000

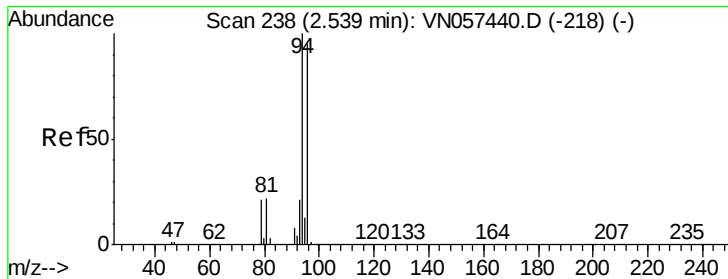
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 46.481 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 213944

Ion Ratio Lower Upper

94 100

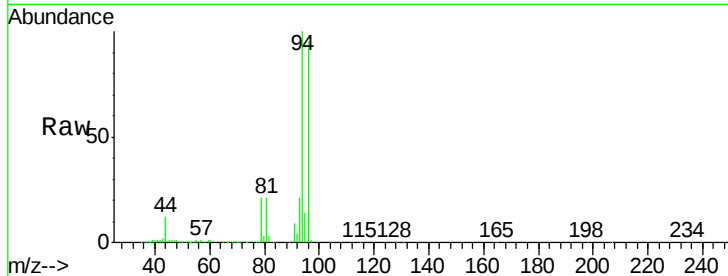
96 94.7 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

120000

100000

80000

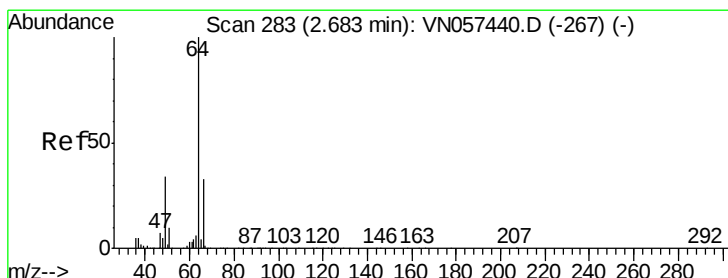
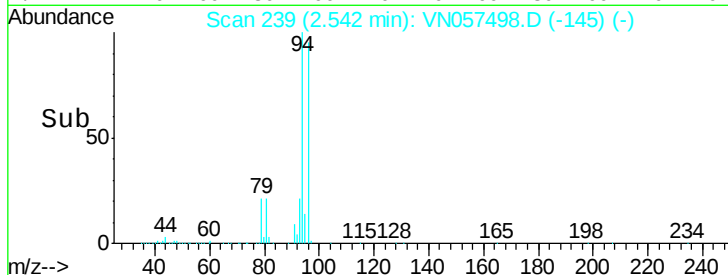
60000

40000

20000

0

Time--> 2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 47.937 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057498.D

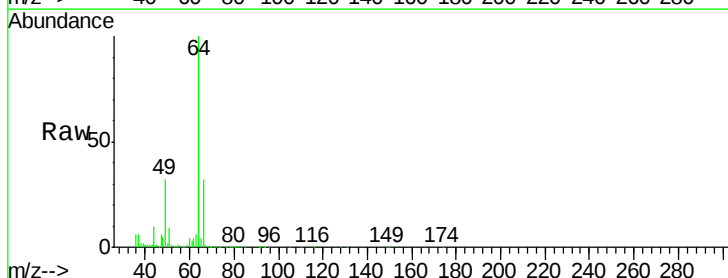
Acq: 26 Aug 2019 9:15

Tgt Ion: 64 Resp: 230309

Ion Ratio Lower Upper

64 100

66 31.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

120000

100000

80000

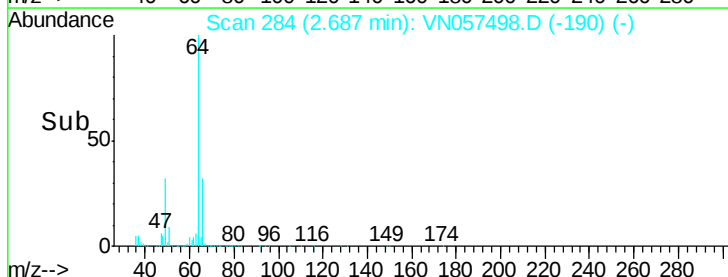
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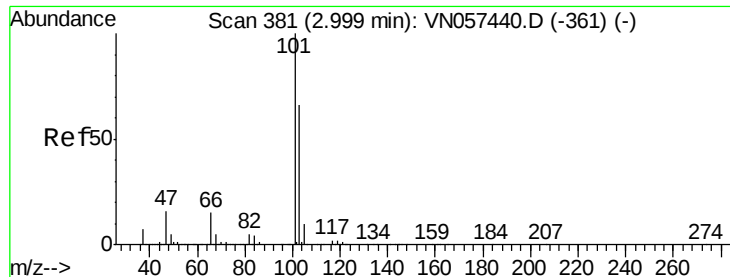
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20000

0

Time--> 2.60 2.70 2.80





#7

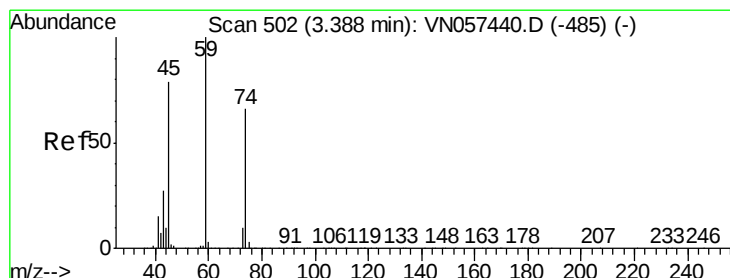
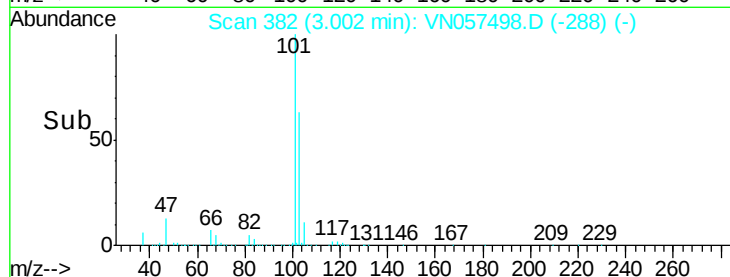
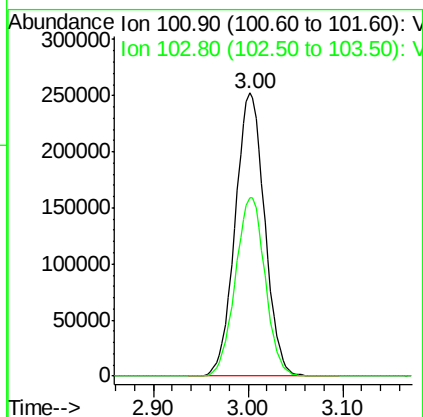
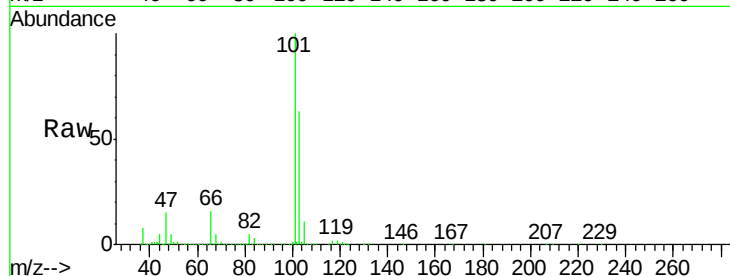
Trichlorofluoromethane
Concen: 47.056 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
545543	101	100			
	103	63.1	52.6	78.8	

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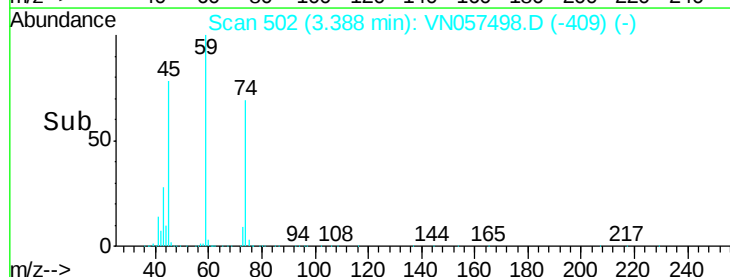
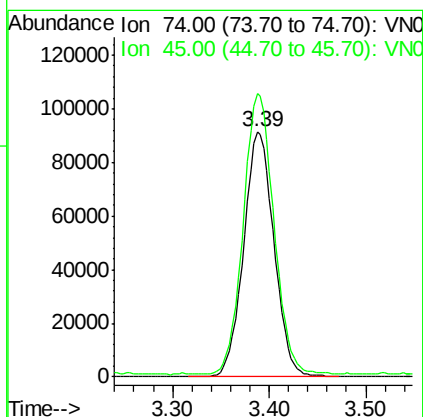
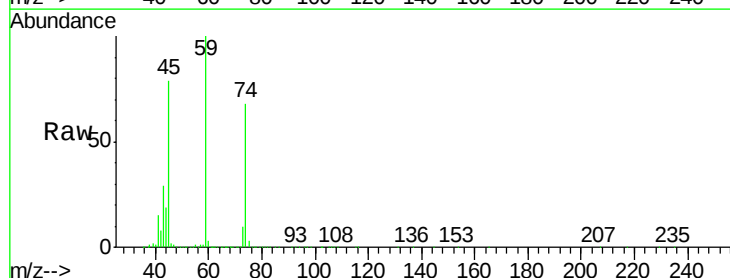
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8/27/2019 5:30:15 PM

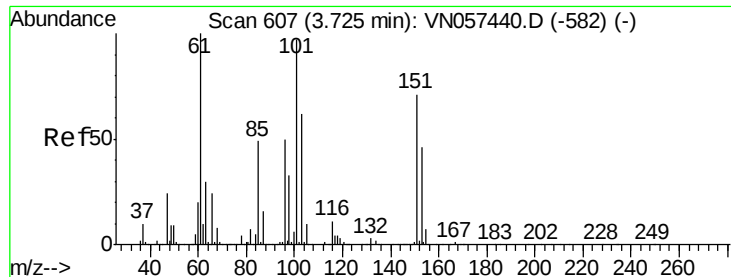


#8

Diethyl Ether
Concen: 51.155 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
199339	74	100			
	45	115.2	57.9	173.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.429 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

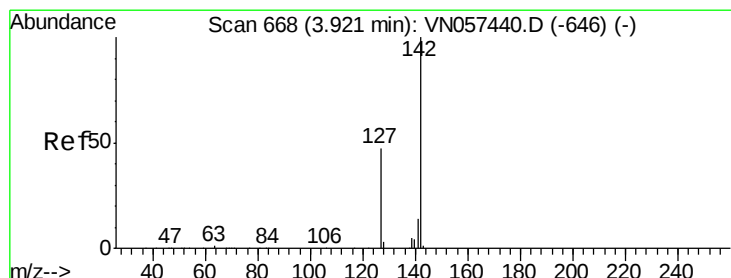
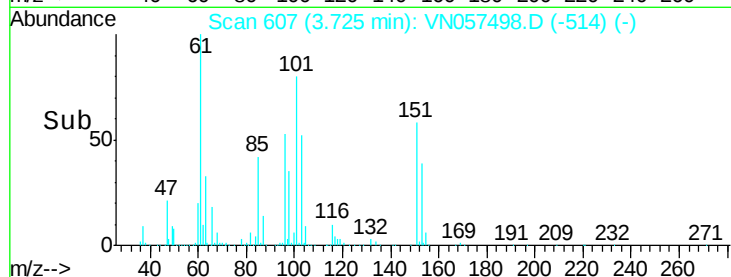
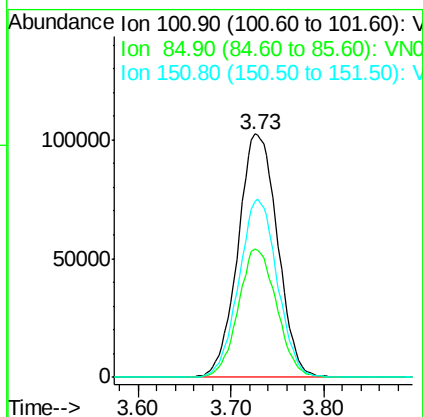
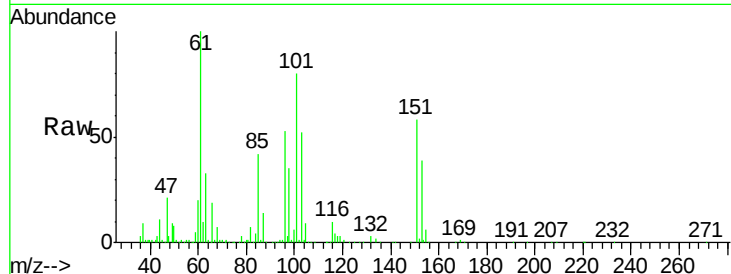
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	304044
Ion Ratio	Lower	Upper	
101	100		
85	51.2	40.0	60.0
151	71.1	57.0	85.6

Manual Integrations
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8/27/2019 5:30:15 PM



#10

Methyl Iodide

Concen: 84.537 ug/l

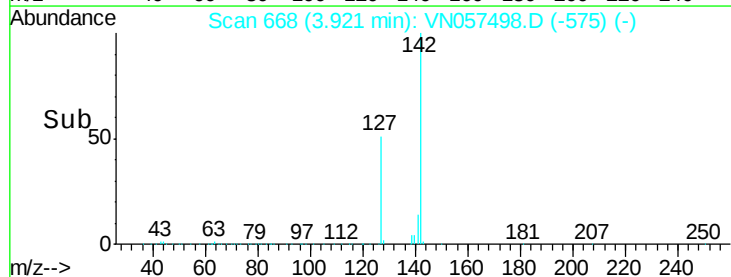
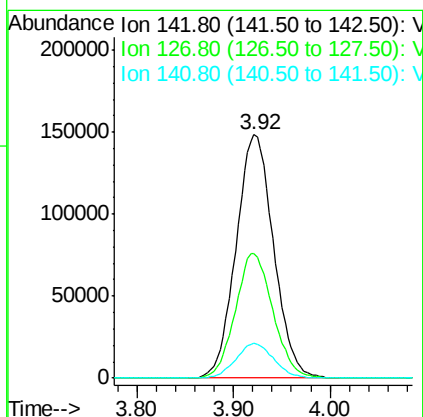
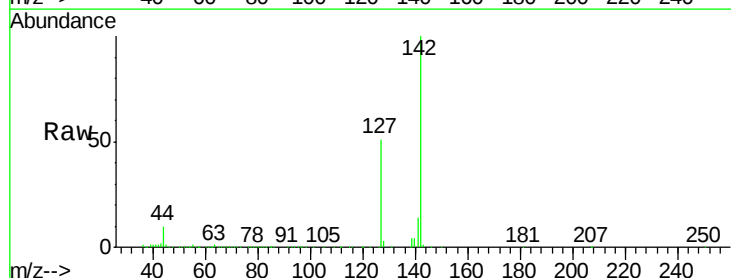
RT: 3.92 min Scan# 668

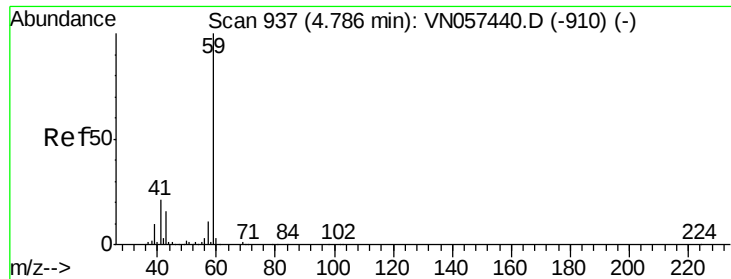
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	142	Resp:	400201
Ion Ratio	Lower	Upper	
142	100		
127	51.5	37.8	56.8
141	14.5	11.9	17.9





#11

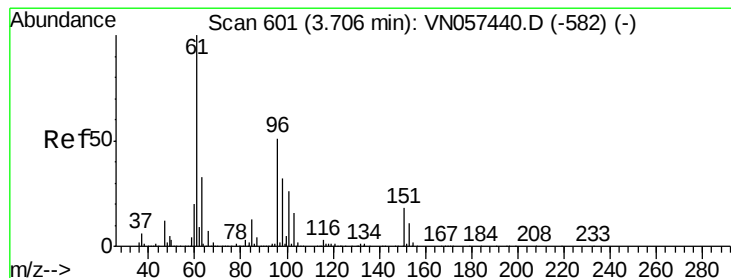
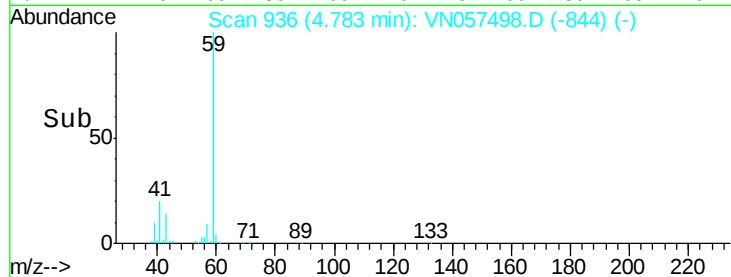
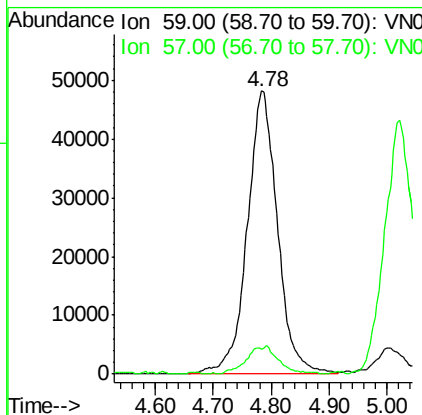
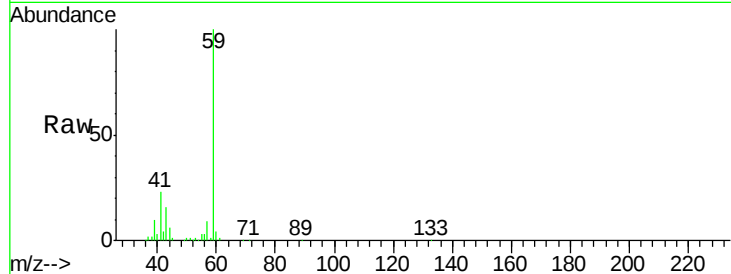
Tert butyl alcohol
Concen: 220.131 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	9.1	13.7#

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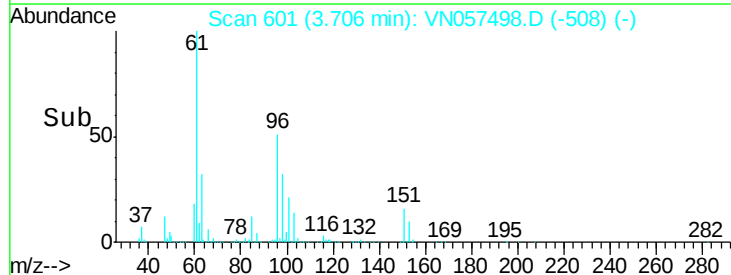
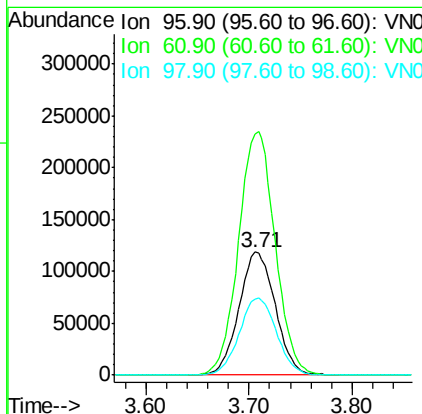
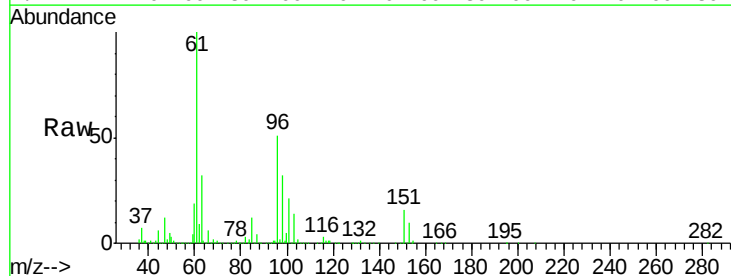
MMDadoda
8/27/2019 5:30:15 PM

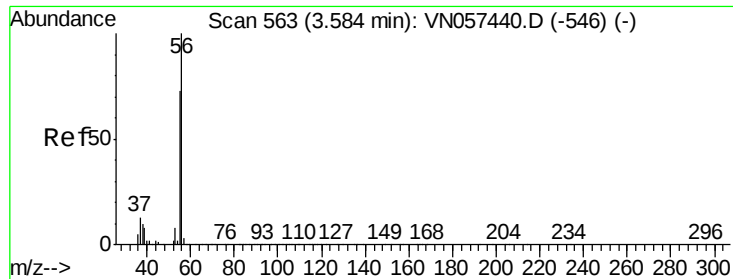


#12

1,1-Dichloroethene
Concen: 46.873 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.6	155.3	232.9
98	62.2	50.2	75.2





#13

Acrolein

Concen: 290.451 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 203238

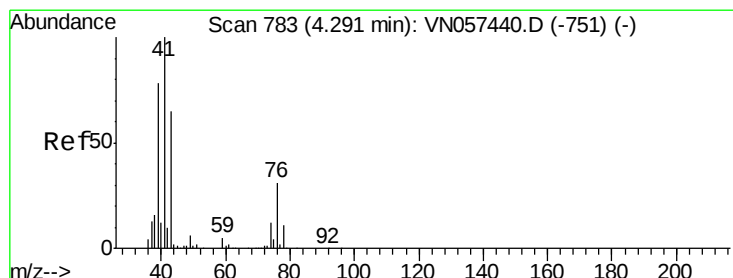
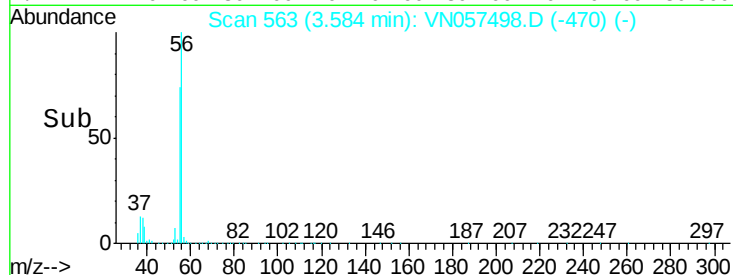
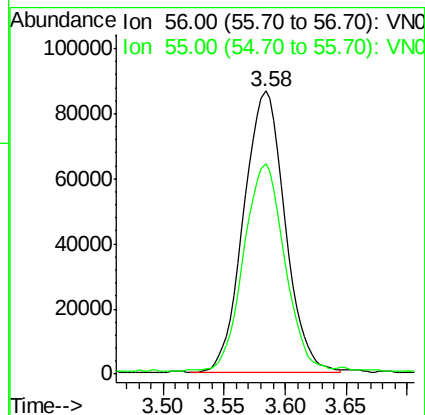
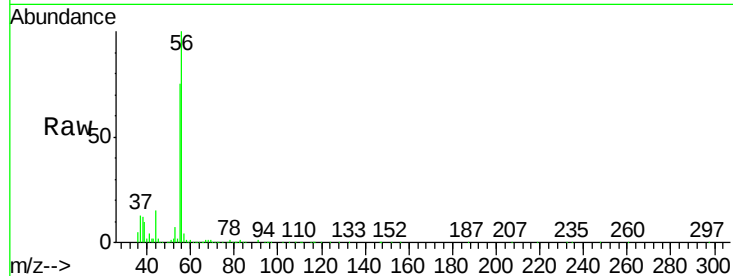
Ion Ratio Lower Upper

56 100

55 72.8 59.0 88.4

Manual Integrations
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#14

Allyl chloride

Concen: 45.797 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

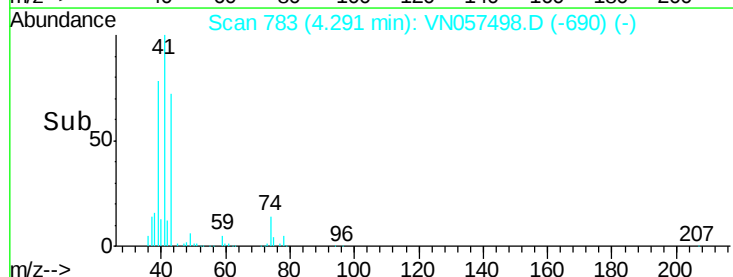
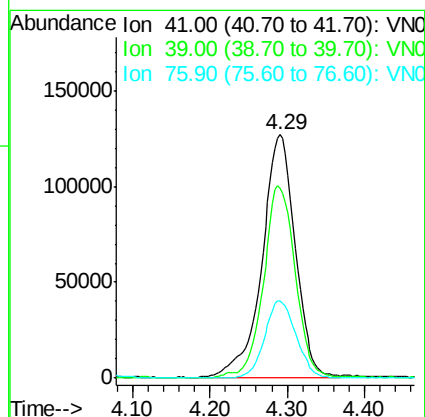
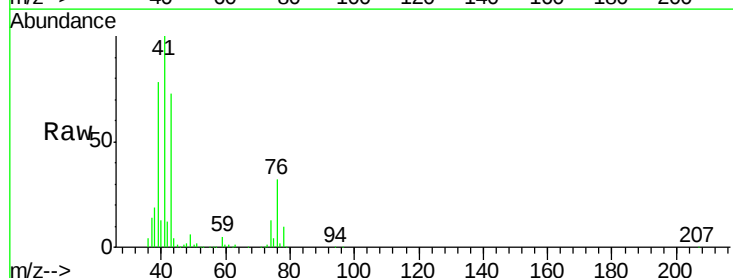
Tgt Ion: 41 Resp: 375897

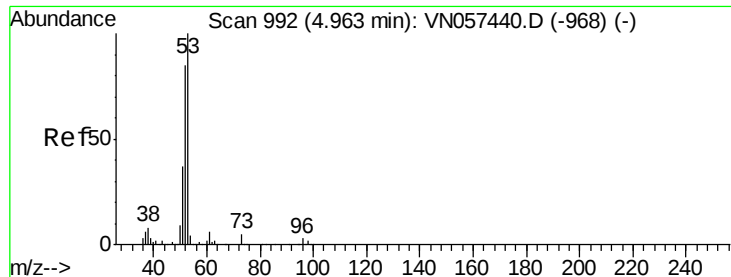
Ion Ratio Lower Upper

41 100

39 75.4 57.4 86.2

76 30.4 22.9 34.3





#15

Acrylonitrile

Concen: 224.723 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

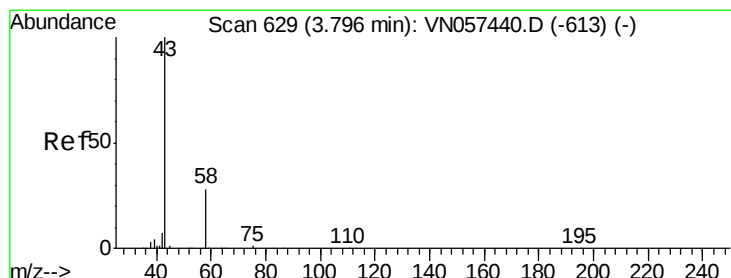
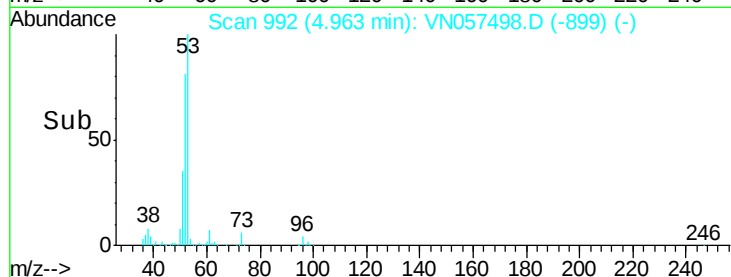
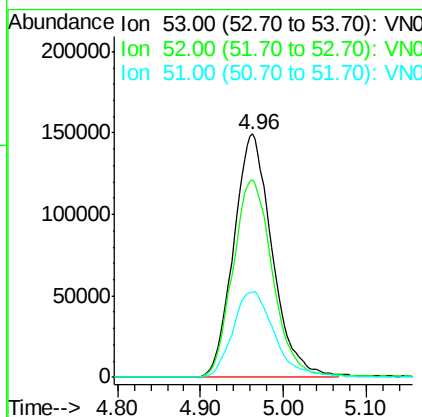
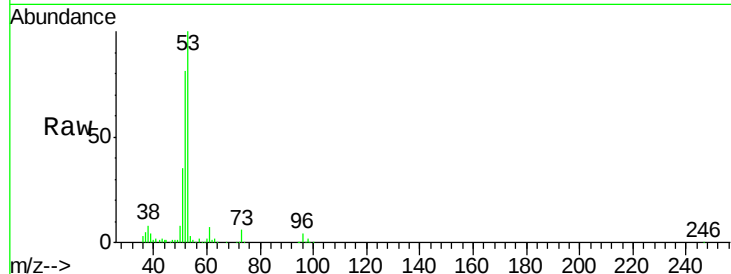
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	482261
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.0	100.6
51	38.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 362.321 ug/l

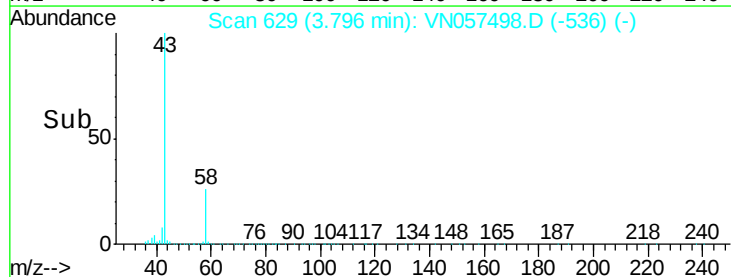
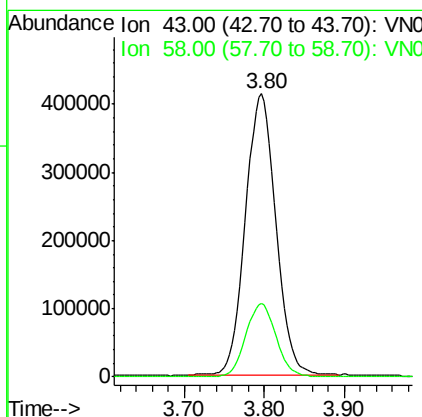
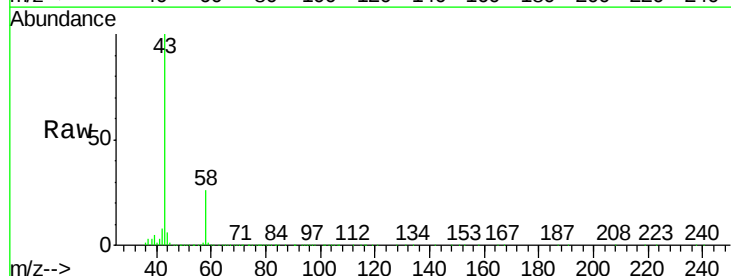
RT: 3.80 min Scan# 629

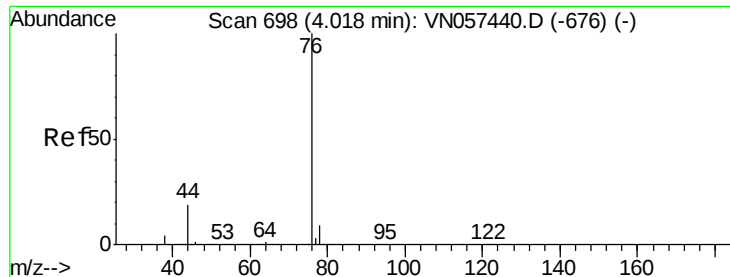
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	43	Resp:	1065694
Ion Ratio	Lower	Upper	
43	100		
58	26.0	22.1	33.1





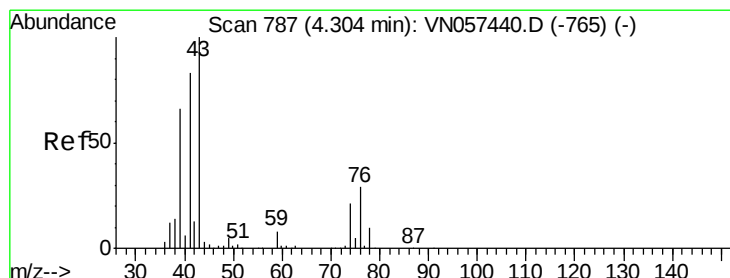
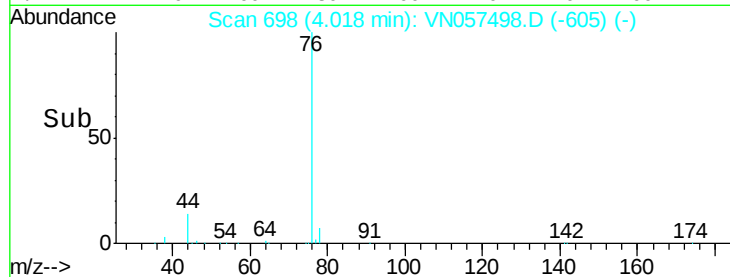
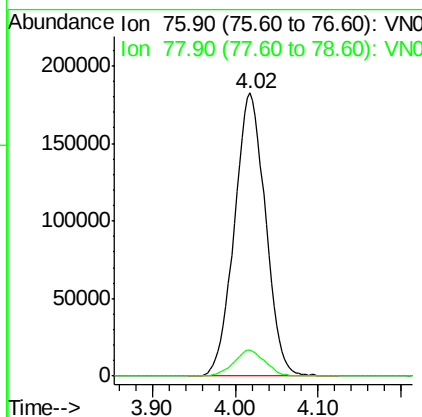
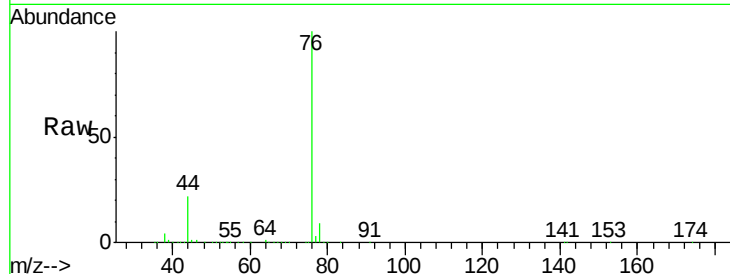
#17
Carbon Disulfide
Concen: 40.140 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

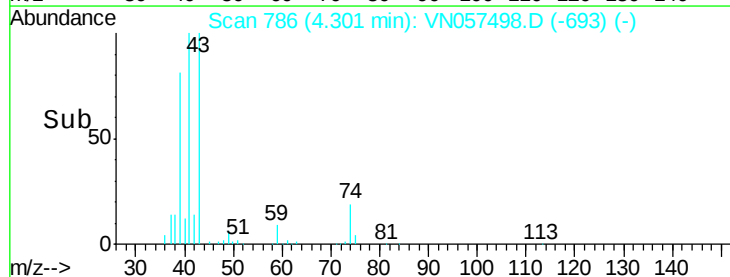
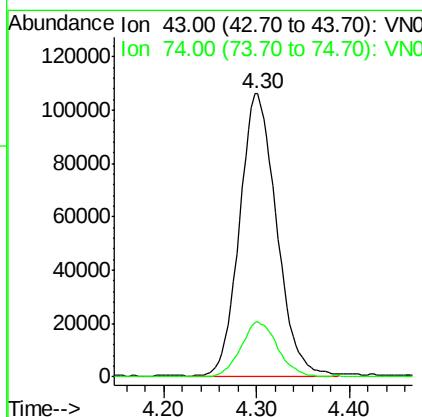
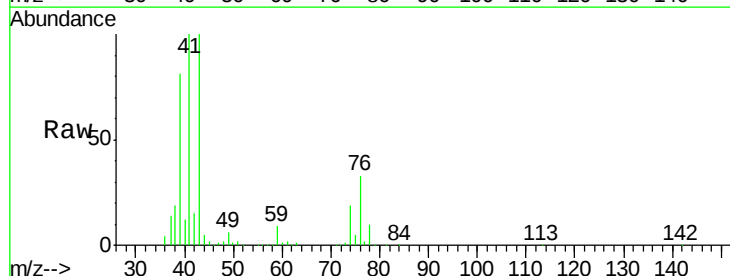
Manual Integrations
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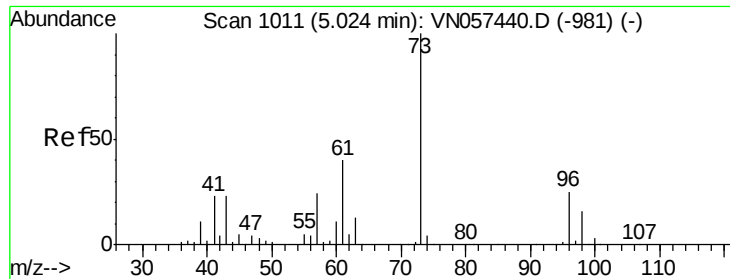
MMDadoda
8/27/2019 5:30:15 PM



#18
Methyl Acetate
Concen: 46.188 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.9	23.9





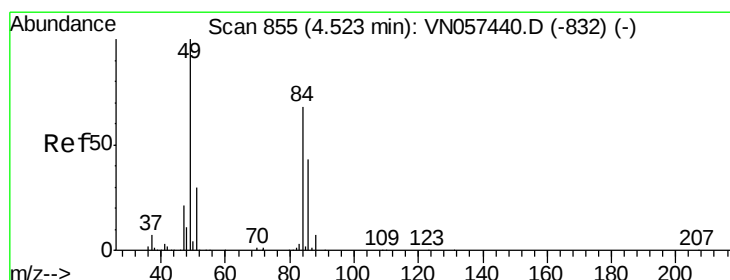
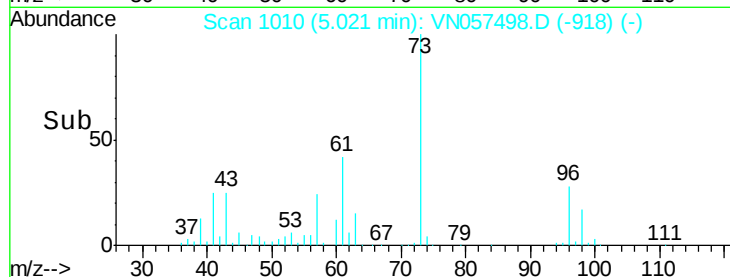
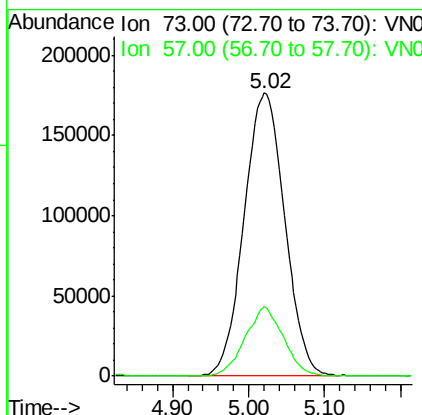
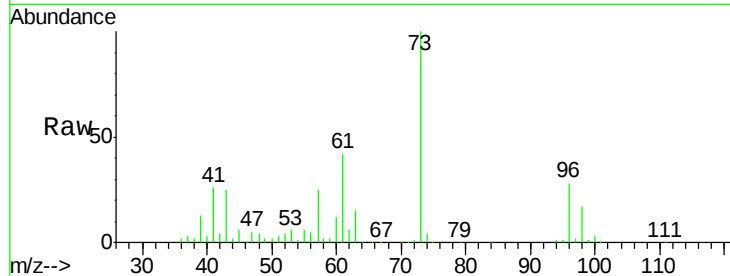
#19
Methvl tert-butvl Ether
Concen: 43.853 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 656022
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7

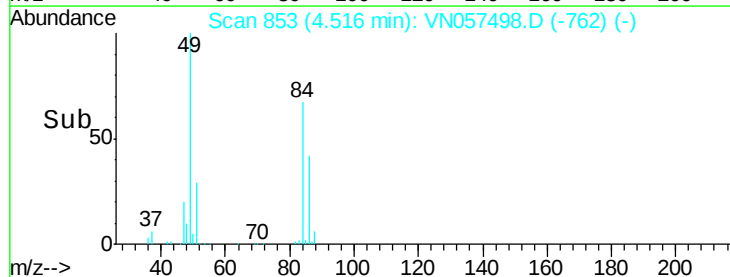
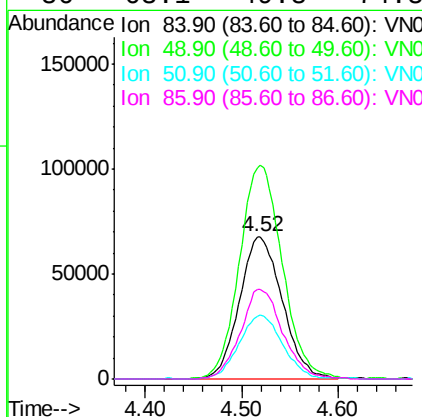
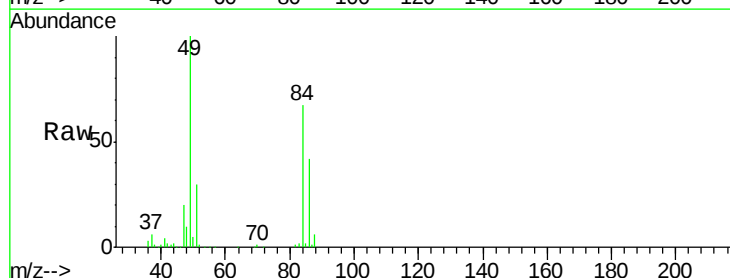
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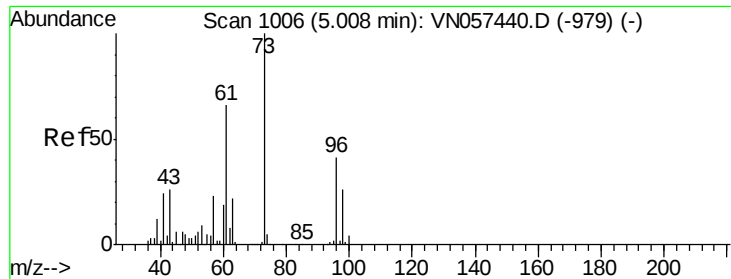
MMDadoda
8/27/2019 5:30:15 PM



#20
Methylene Chloride
Concen: 47.826 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion: 84 Resp: 208576
Ion Ratio Lower Upper
84 100
49 148.3 117.0 175.4
51 43.9 35.5 53.3
86 63.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 44.603 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

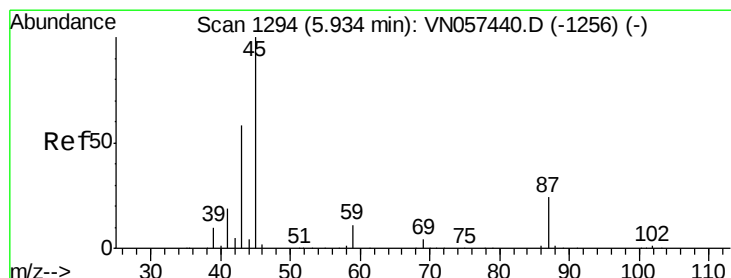
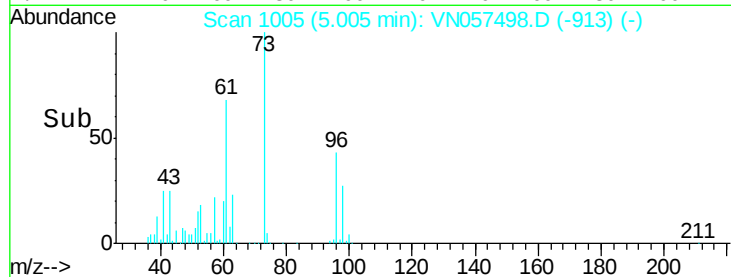
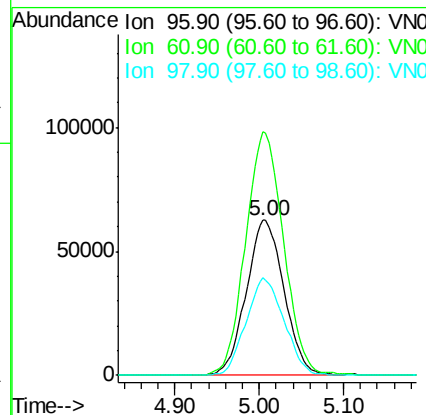
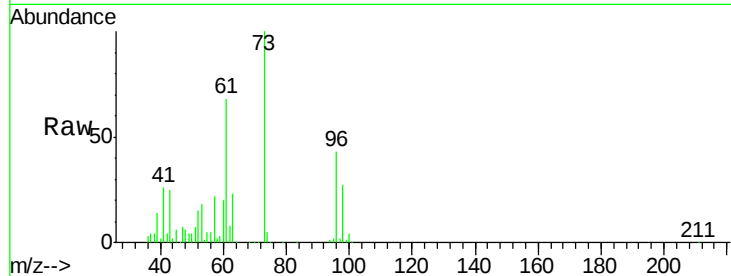
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	195053
Ion	Ratio	Lower	Upper
96	100		
61	156.9	127.9	191.9
98	62.6	50.6	76.0

Manual Integrations
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8/27/2019 5:30:15 PM



#22

Diisopropyl ether

Concen: 47.744 ug/l

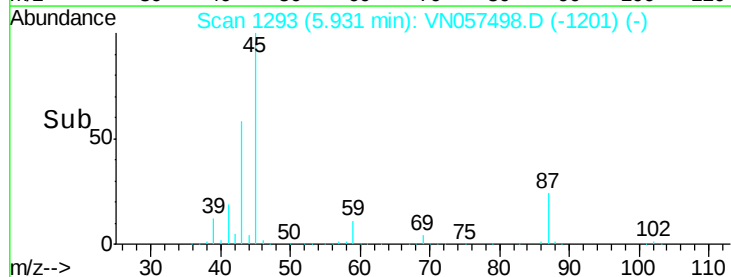
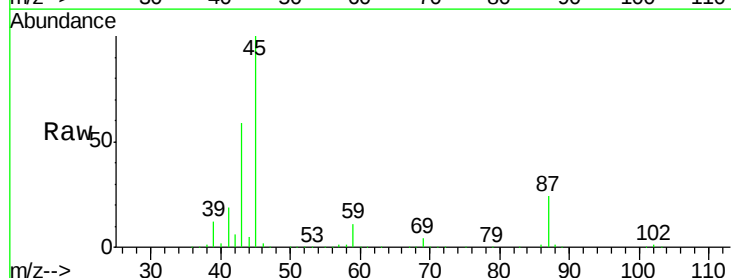
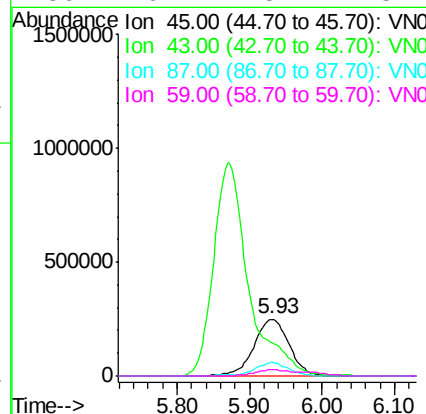
RT: 5.93 min Scan# 1293

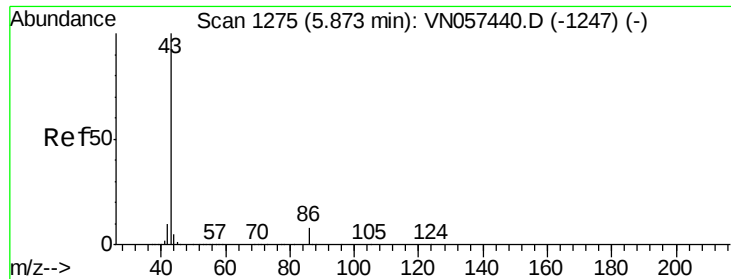
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	45	Resp:	839483
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.9	70.3
87	23.8	19.3	28.9
59	10.7	8.7	13.1





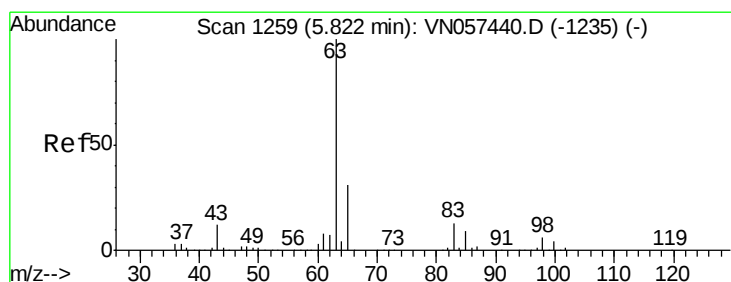
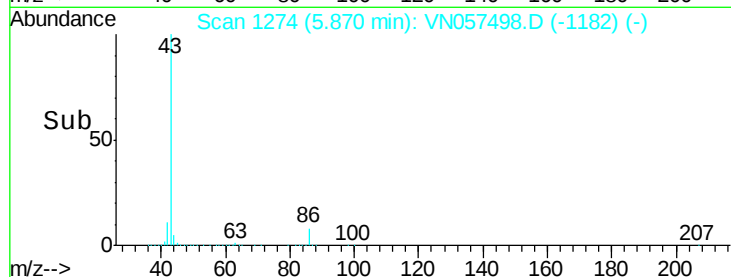
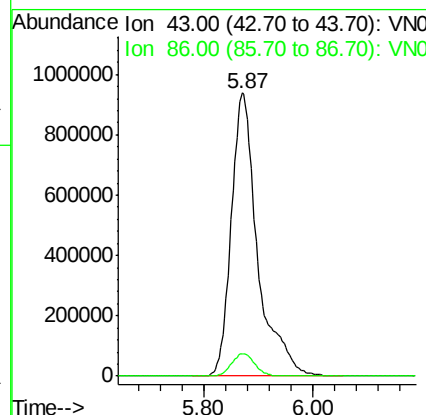
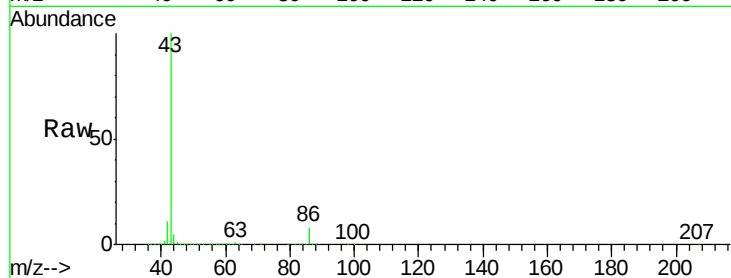
#23
 Vinyl Acetate
 Concen: 228.787 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3142035
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.7 10.1

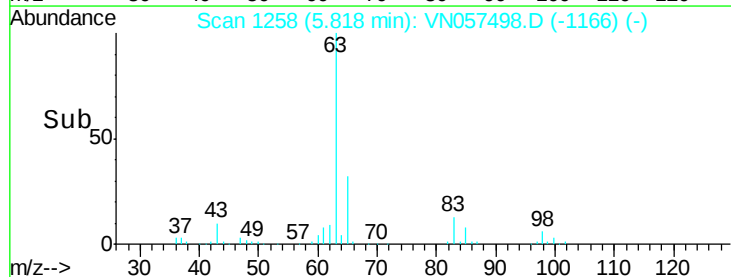
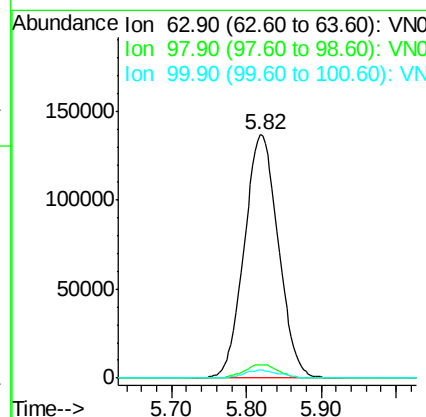
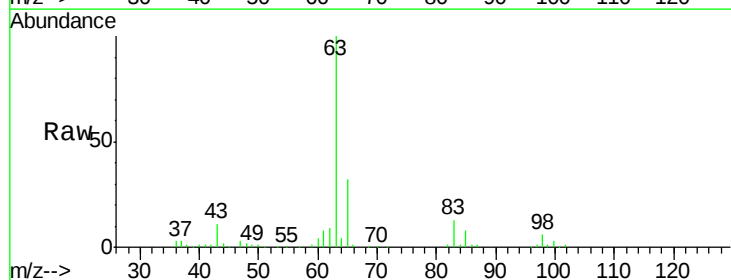
Manual Integrations
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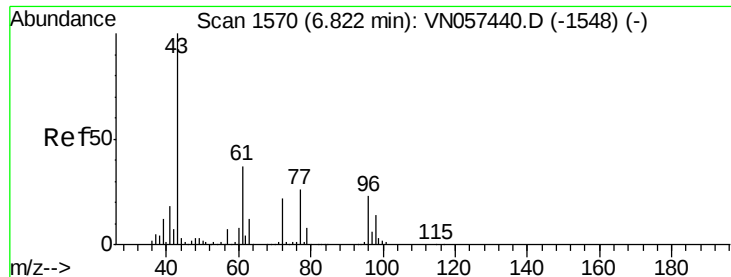
MMDadoda
 8/27/2019 5:30:15 PM



#24
 1,1-Dichloroethane
 Concen: 46.515 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion: 63 Resp: 433448
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.6
 100 3.3 2.1 6.3





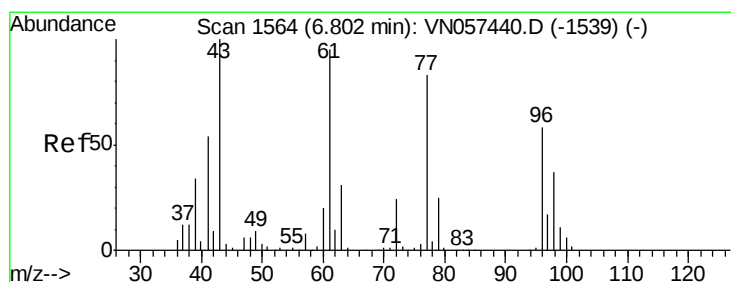
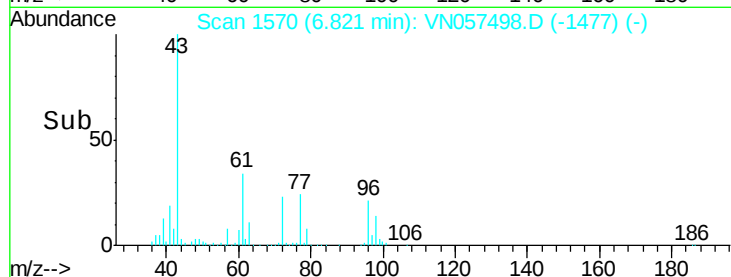
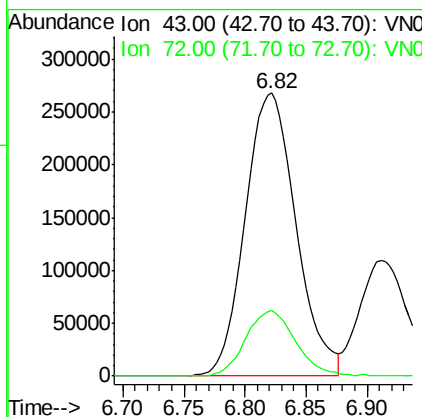
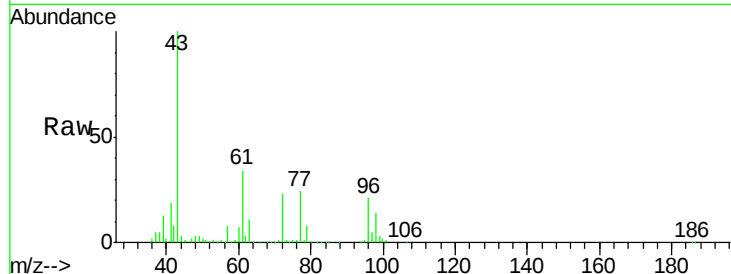
#25
2-Butanone
Concen: 240.737 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.8	26.8

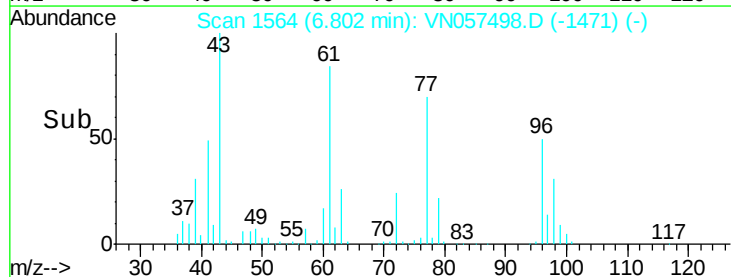
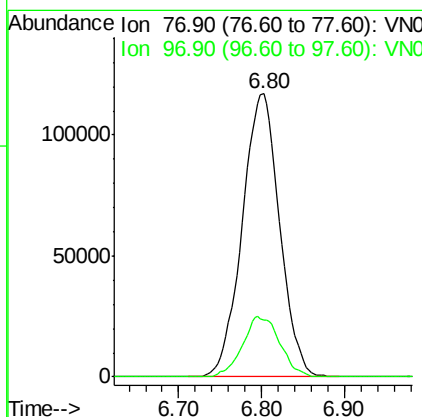
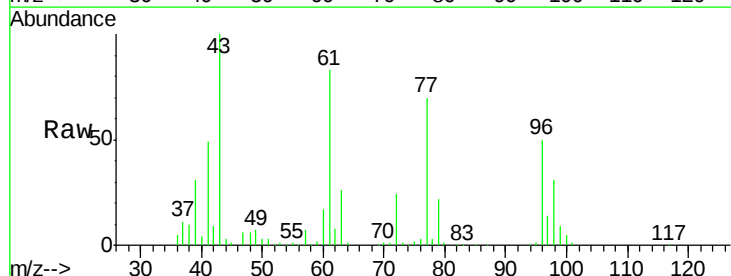
Manual Integrations
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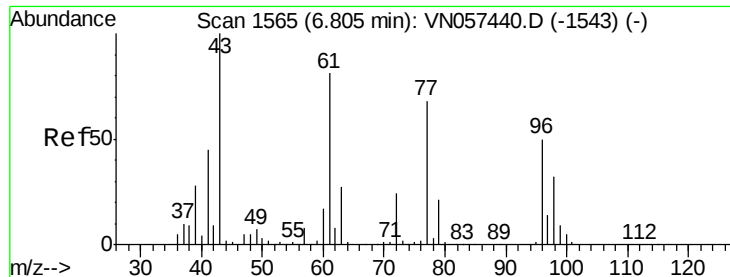
MMDadoda
8/27/2019 5:30:15 PM



#26
2,2-Dichloropropane
Concen: 45.399 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.3





#27

cis-1,2-Dichloroethene

Concen: 47.106 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

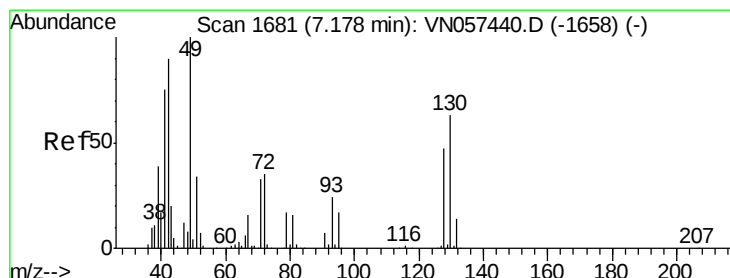
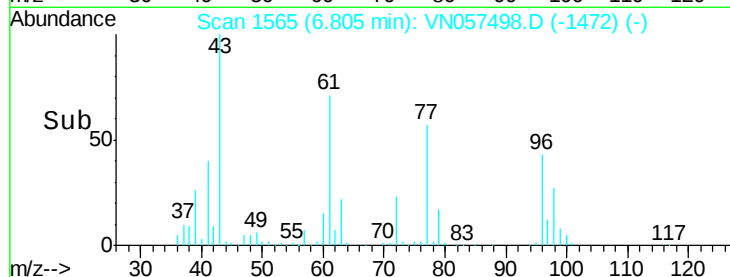
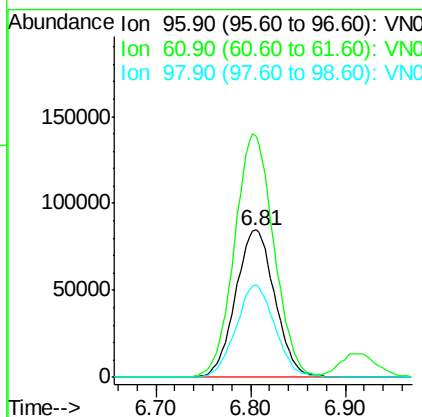
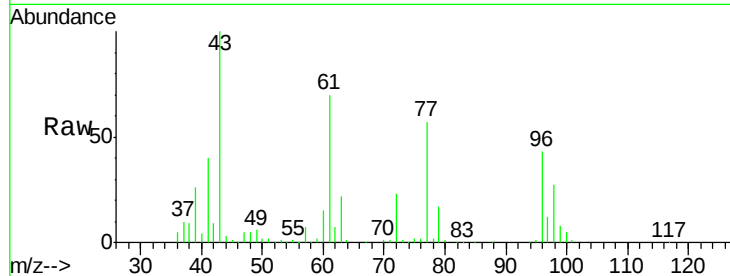
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	244196
Ion Ratio	Lower	Upper	
96	100		
61	165.9	0.0	334.8
98	62.6	0.0	127.4

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#28

Bromochloromethane

Concen: 46.009 ug/l

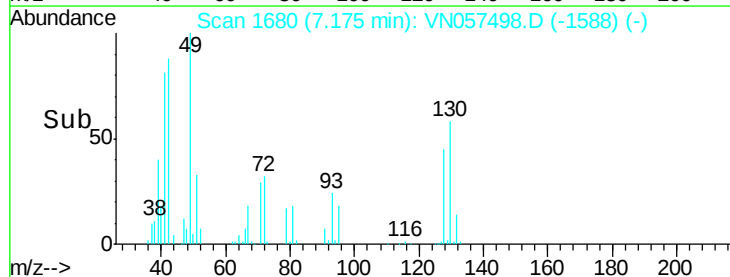
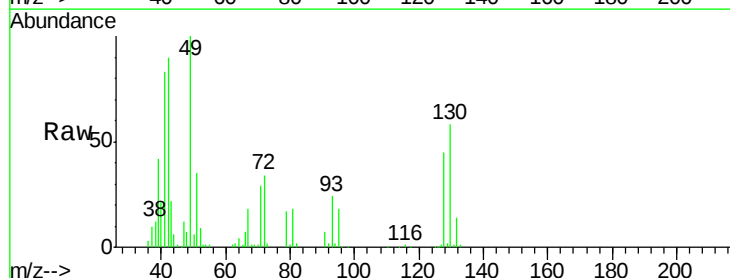
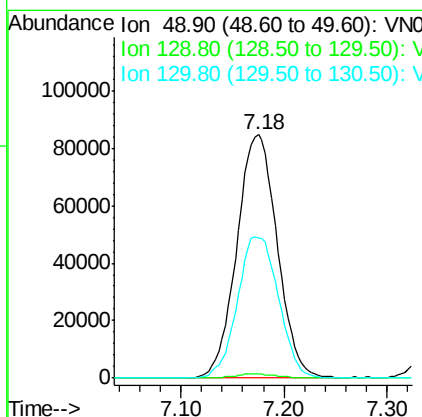
RT: 7.18 min Scan# 1680

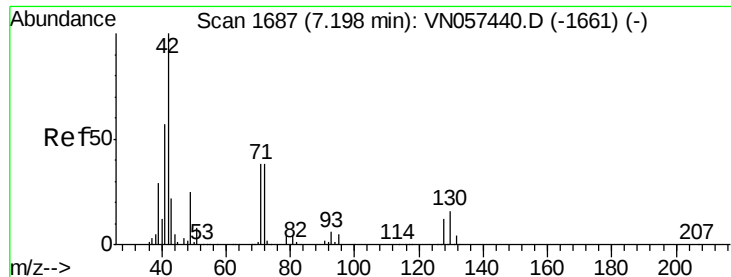
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	49	Resp:	230881
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	59.1	48.6	72.8





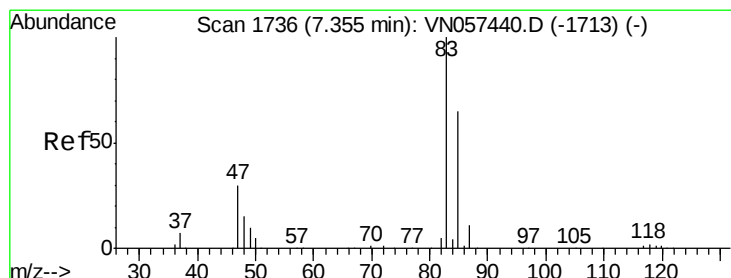
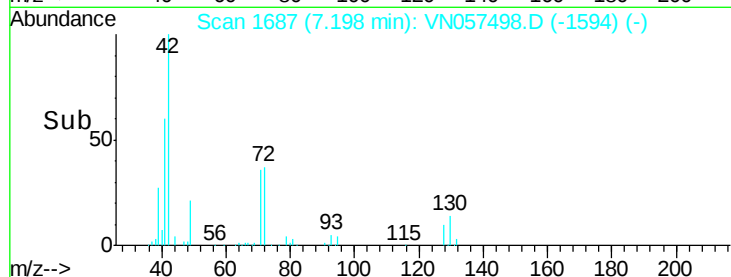
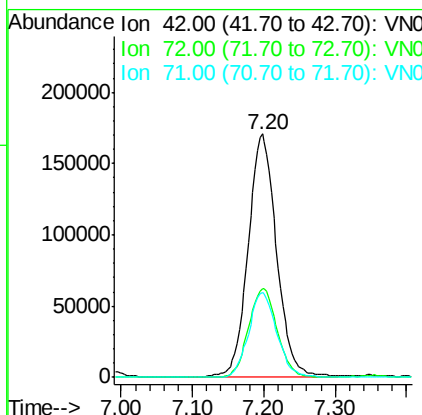
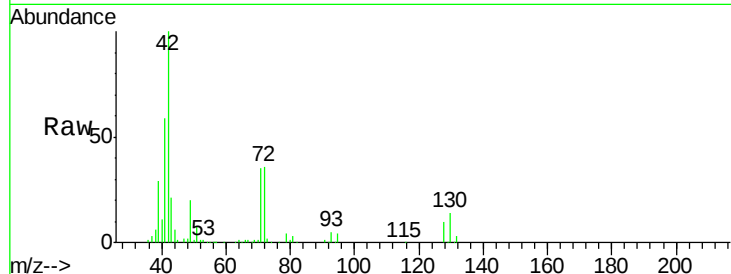
#29
Tetrahydrofuran
Concen: 223.704 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.1	45.1
71	34.6	28.8	43.2

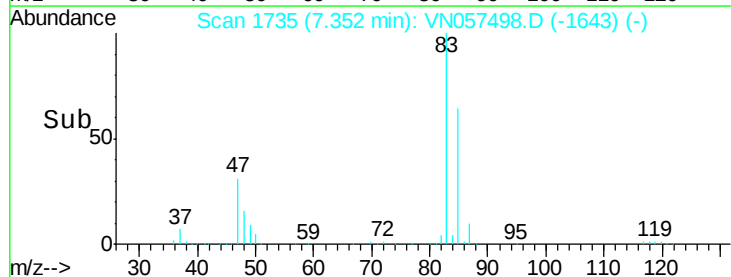
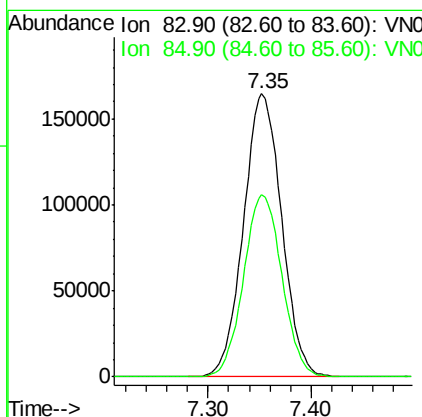
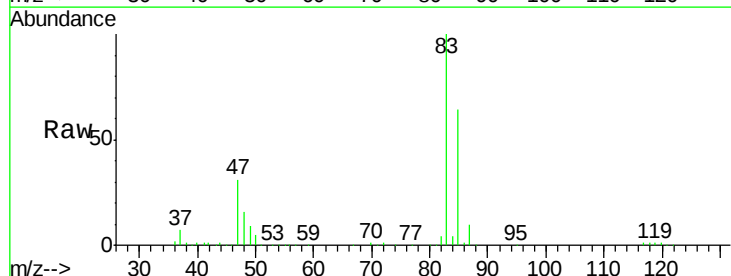
Manual Integrations
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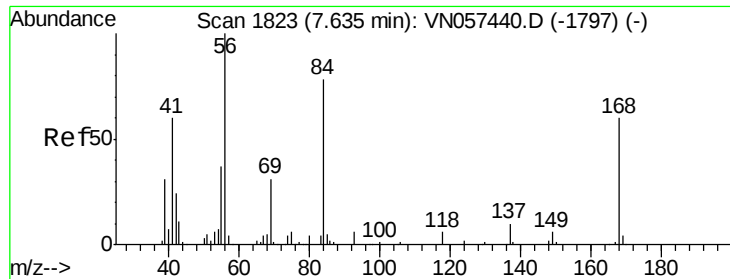
MMDadoda
8/27/2019 5:30:15 PM



#30
Chloroform
Concen: 48.960 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





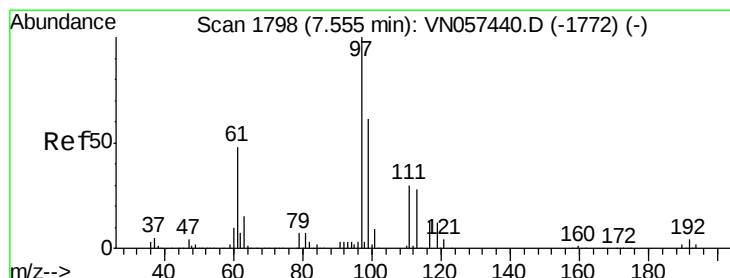
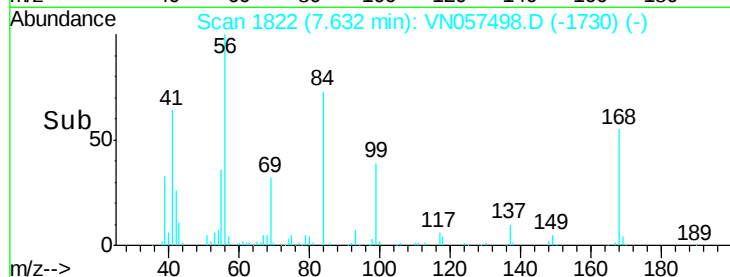
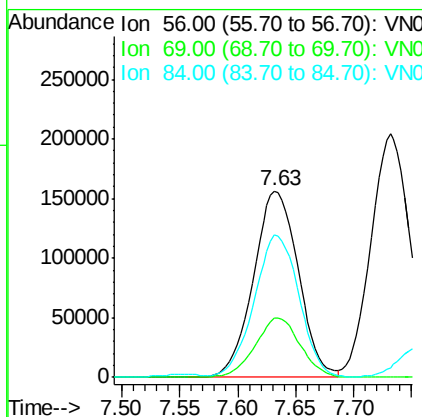
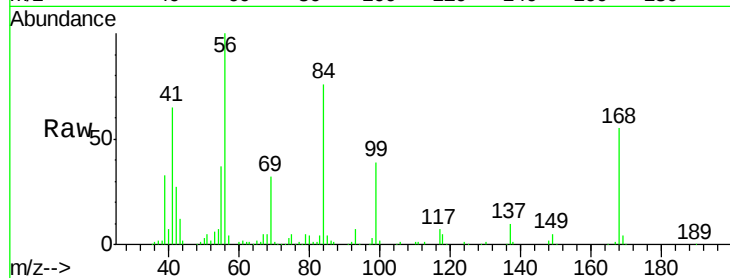
#31
Cyclohexane
Concen: 46.636 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.0	37.6
84	75.2	62.5	93.7

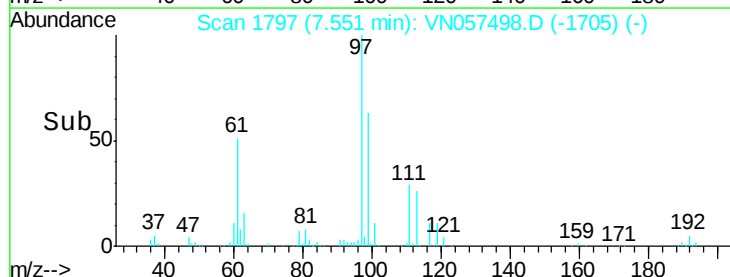
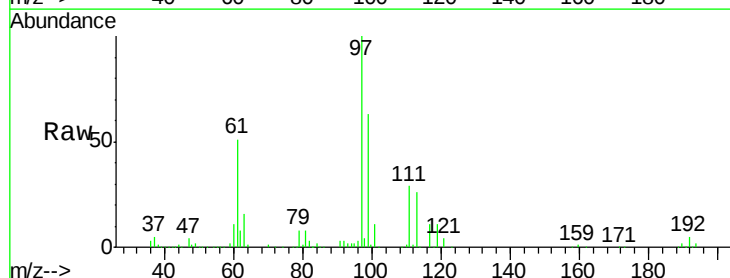
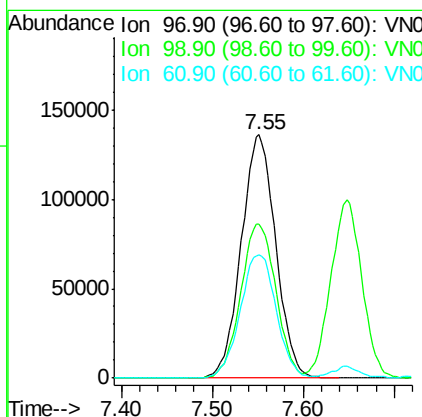
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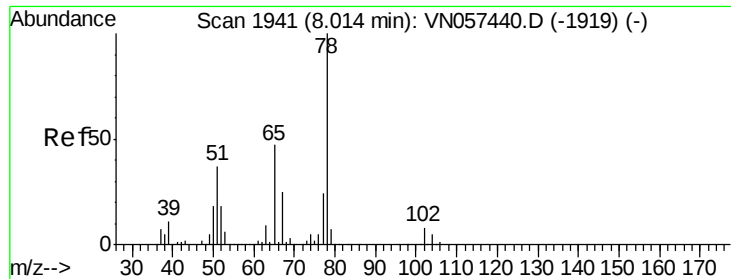
MMDadoda
8/27/2019 5:30:15 PM



#32
1,1,1-Trichloroethane
Concen: 44.894 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	53.0	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 50.666 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 324500

Ion Ratio Lower Upper

65 100

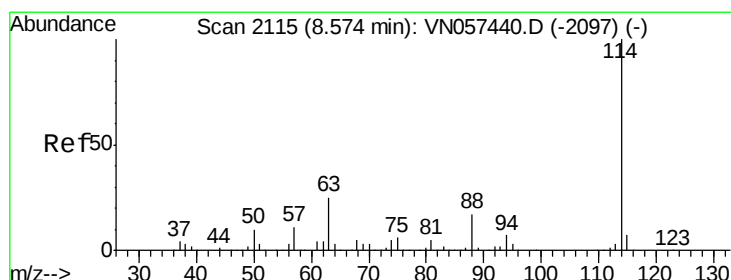
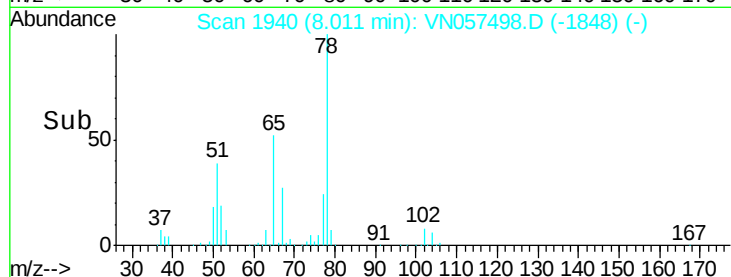
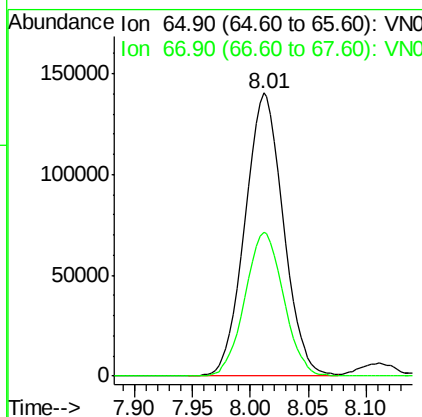
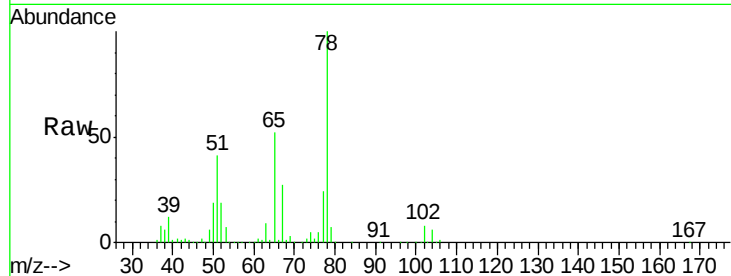
67 51.3 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

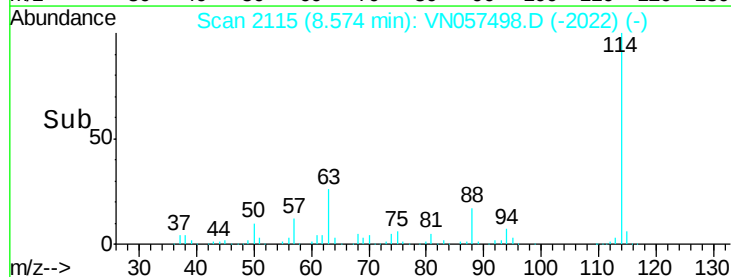
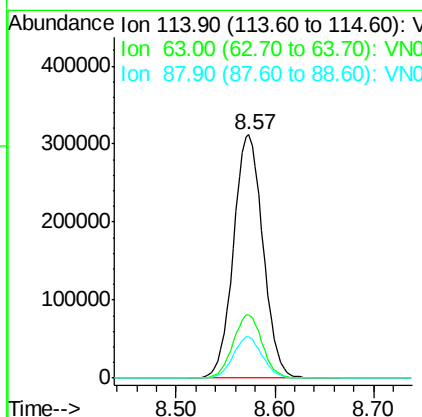
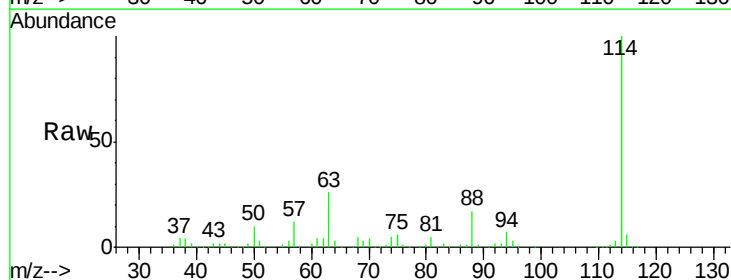
Tgt Ion: 114 Resp: 647483

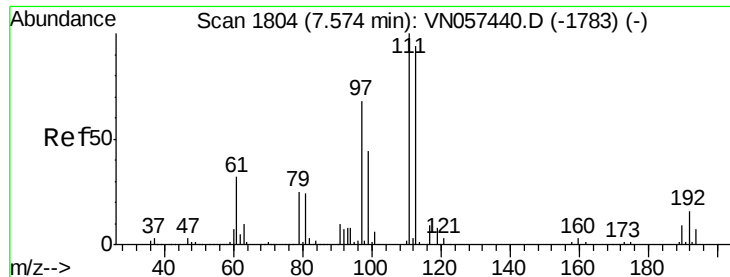
Ion Ratio Lower Upper

114 100

63 26.0 0.0 50.2

88 17.1 0.0 34.6





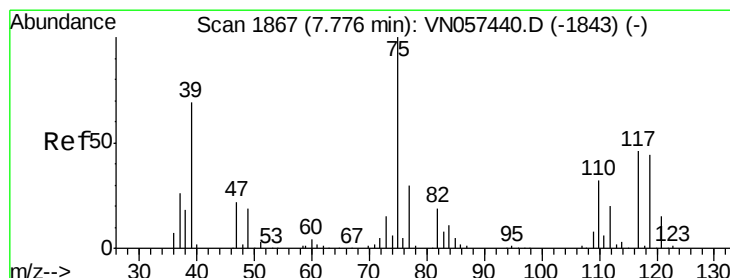
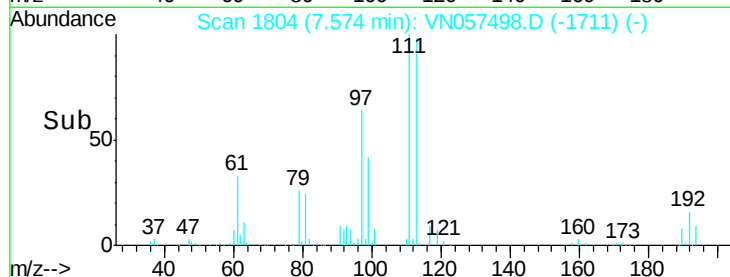
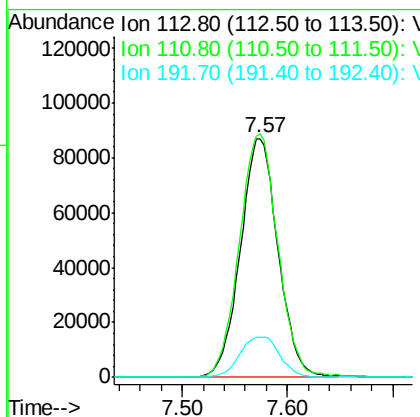
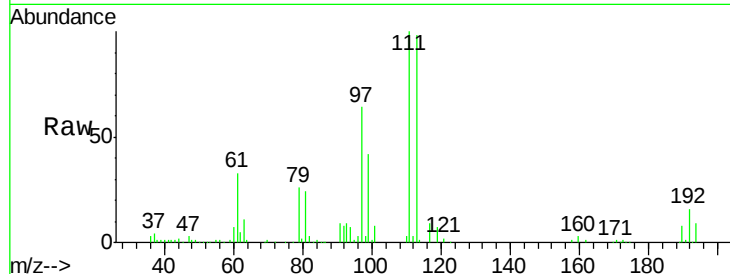
#35
 Dibromofluoromethane
 Concen: 49.393 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	216018		
111	105.2	83.8	125.6	
192	18.1	13.5	20.3	

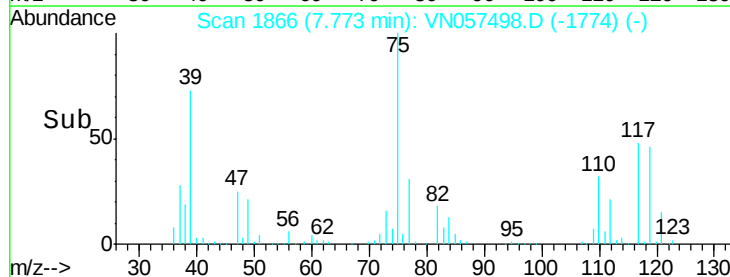
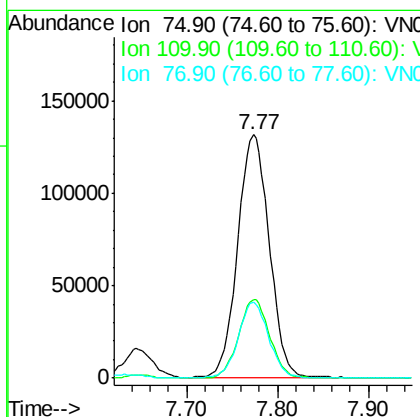
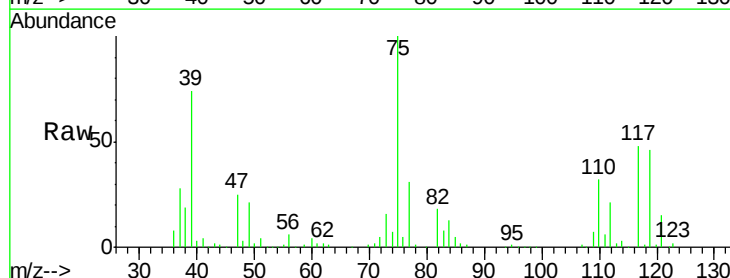
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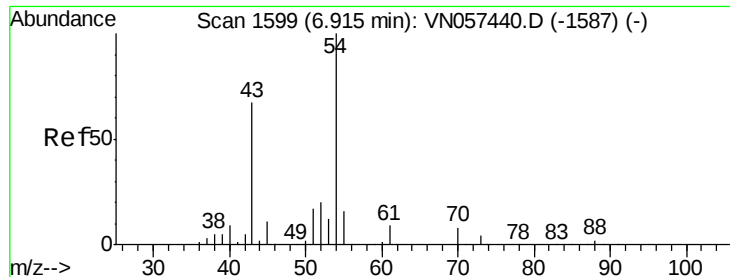
MMDadoda
 8/27/2019 5:30:15 PM



#36
 1,1-Dichloropropene
 Concen: 47.702 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	315600		
110	32.0	16.1	48.3	
77	30.5	24.8	37.2	





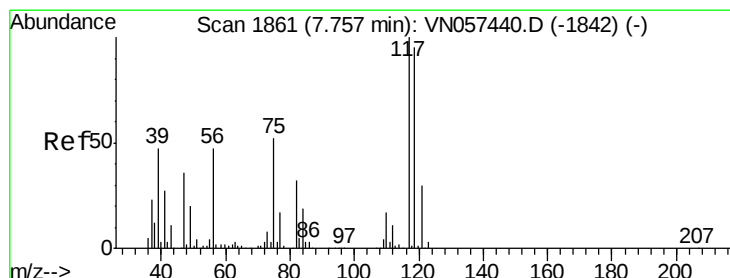
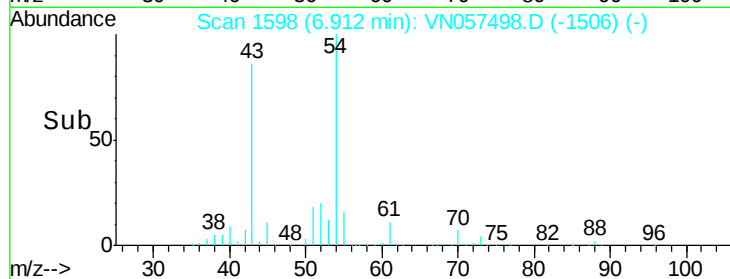
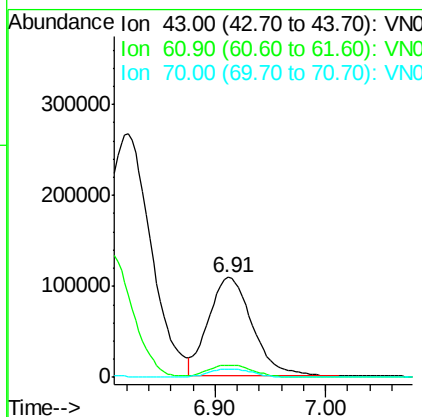
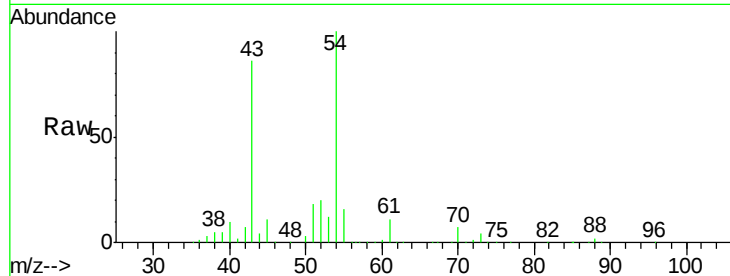
#37
Ethyl Acetate
Concen: 45.951 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.9	14.9
70	8.7	7.0	10.6

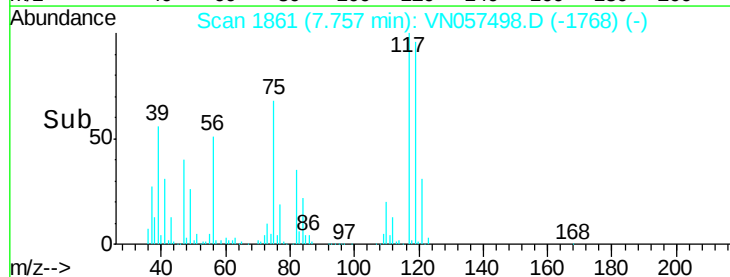
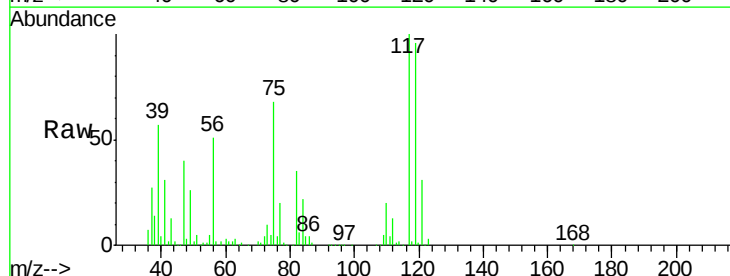
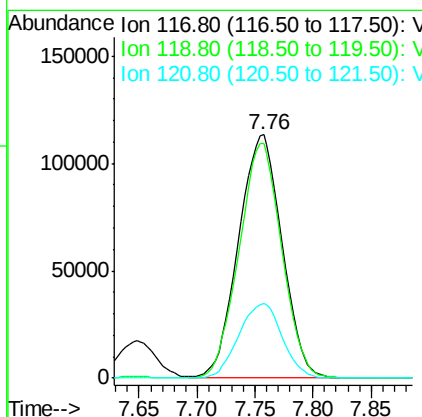
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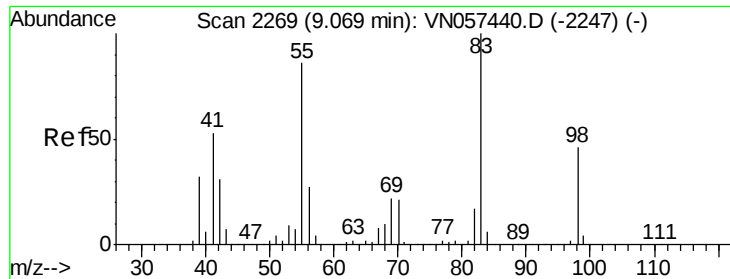
MMDadoda
8/27/2019 5:30:15 PM



#38
Carbon Tetrachloride
Concen: 44.711 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	30.7	23.8	35.6





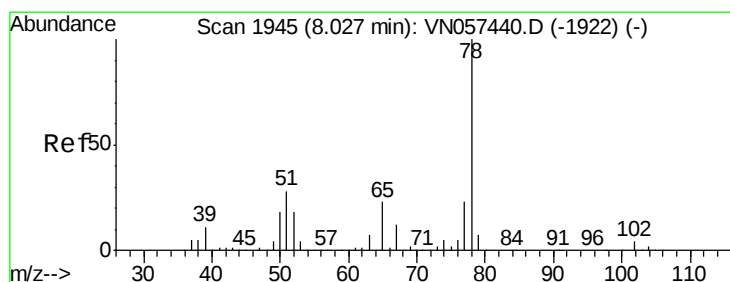
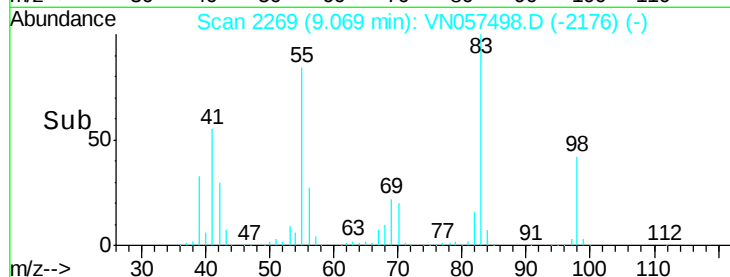
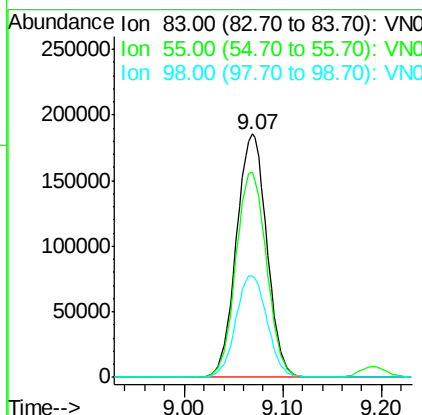
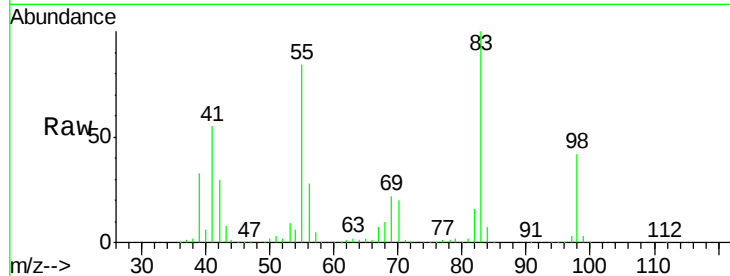
#39
Methvlcvclohexane
Concen: 50.405 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	396054		
55	84.2	68.6	102.8	
98	41.8	36.6	54.8	

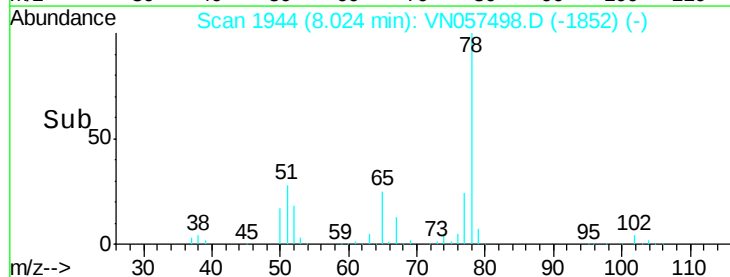
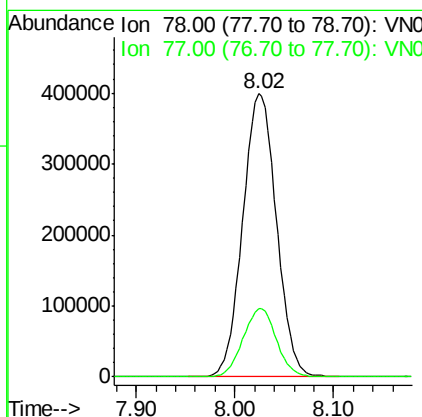
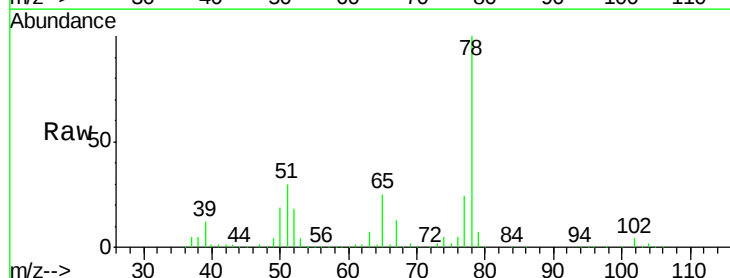
Manual Integrations
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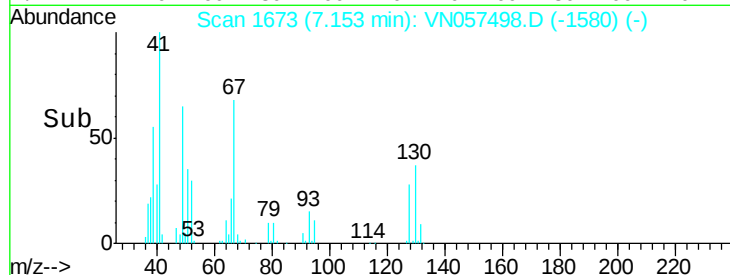
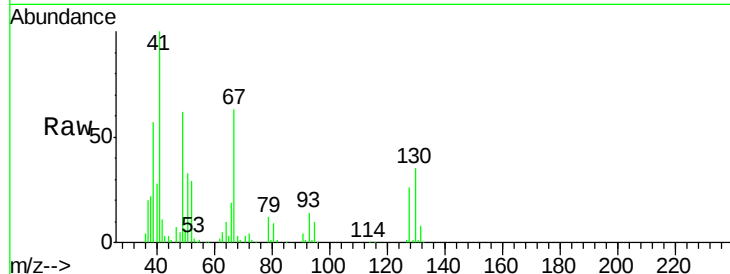
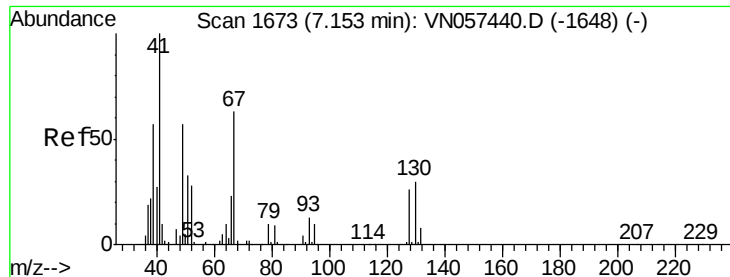
MMDadoda
8/27/2019 5:30:15 PM



#40
Benzene
Concen: 47.447 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	942184		
77	24.0	18.5	27.7	





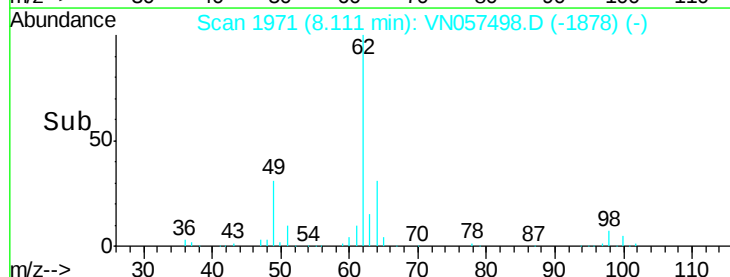
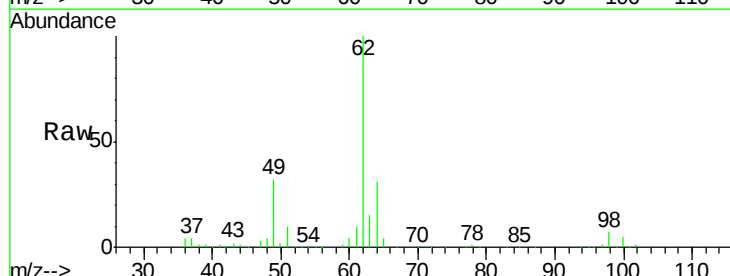
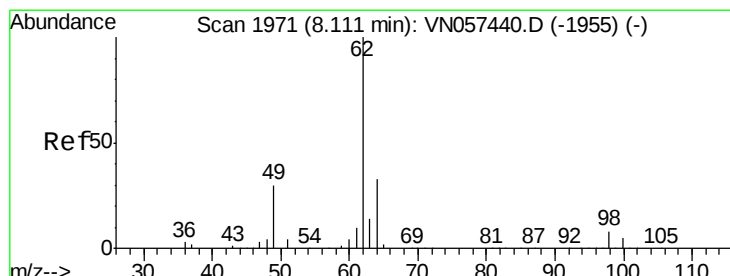
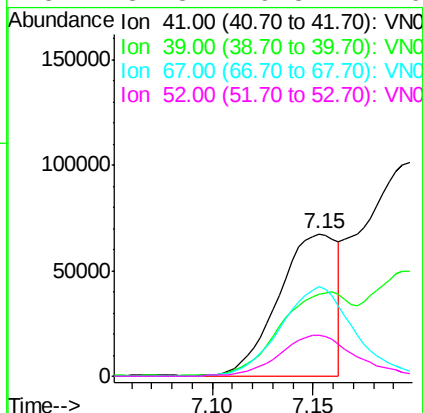
#41
Methacrylonitrile
Concen: 43.429 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		135385		
39	73.3	53.6	80.4		
67	79.6	65.4	98.2		
52	37.8	29.8	44.6		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

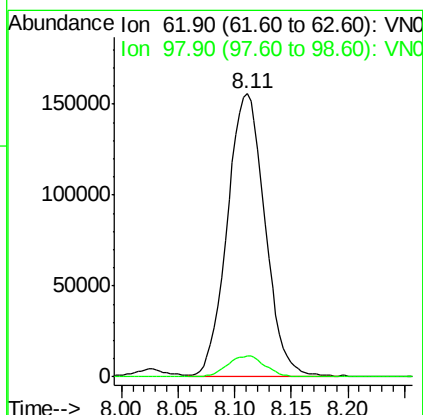
Manual Integrations
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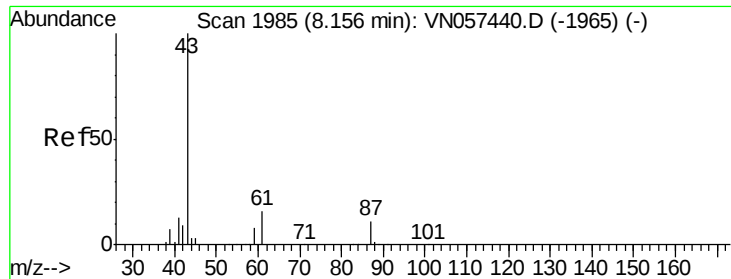
MMDadoda
8/27/2019 5:30:15 PM



#42
1,2-Dichloroethane
Concen: 47.004 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		359385		
98	7.5	0.0	15.4		





#43

Isopropyl Acetate

Concen: 45.609 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

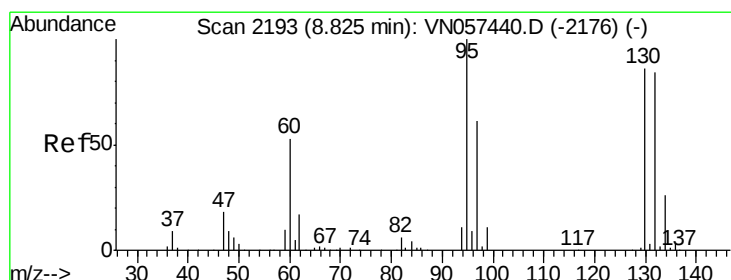
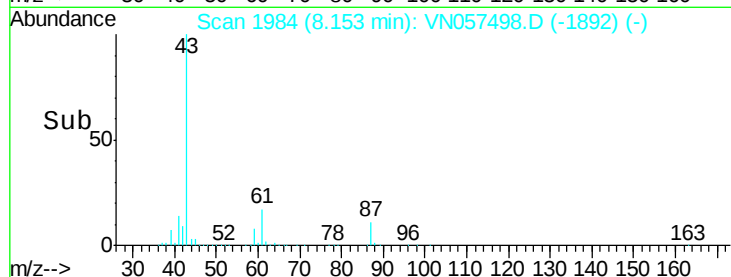
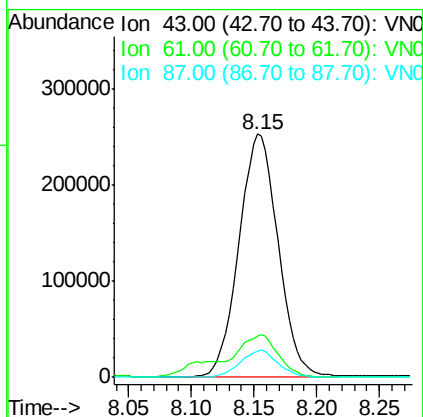
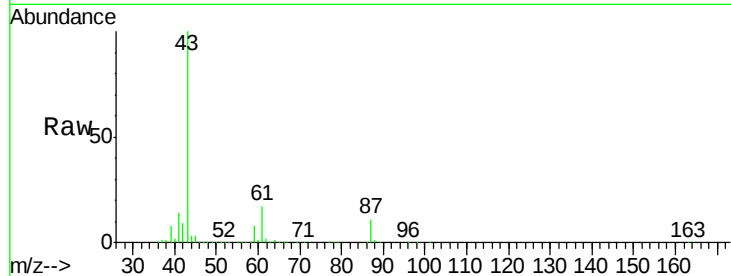
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	546730
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.5	21.7
87	10.7	8.6	12.8

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#44

Trichloroethene

Concen: 48.886 ug/l

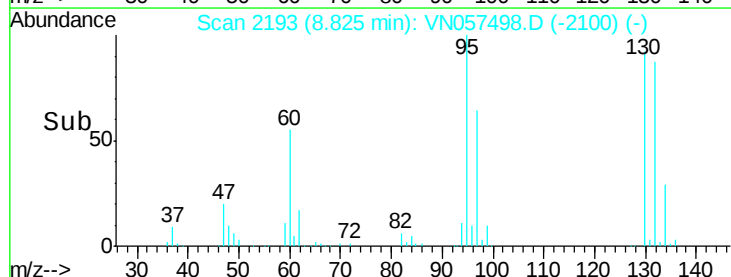
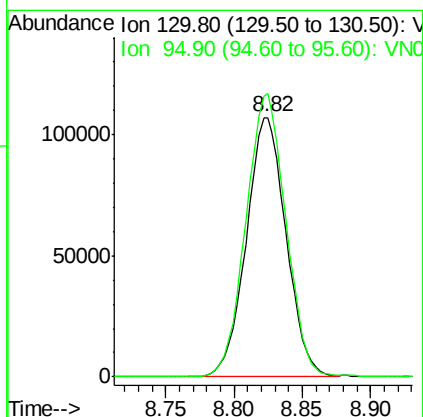
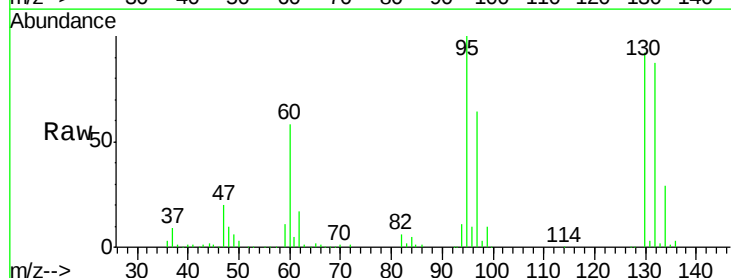
RT: 8.82 min Scan# 2193

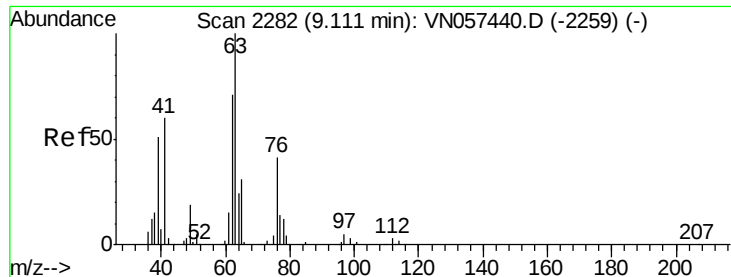
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	130	Resp:	216694
Ion	Ratio	Lower	Upper
130	100		
95	109.2	0.0	231.6





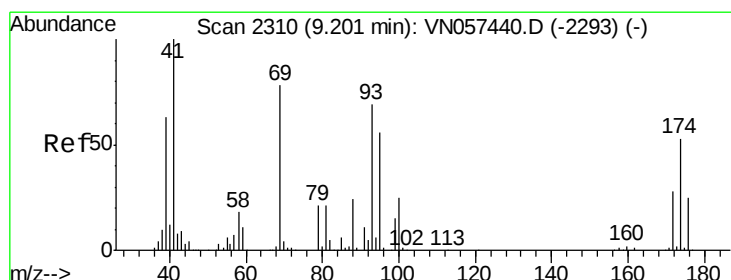
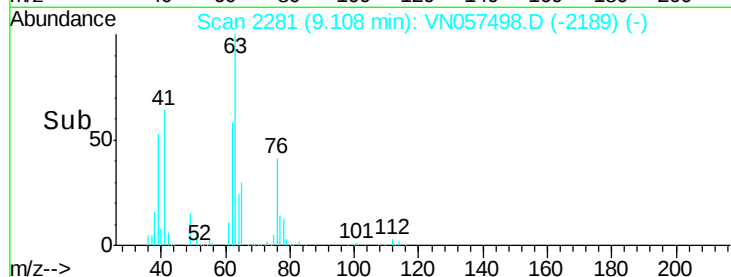
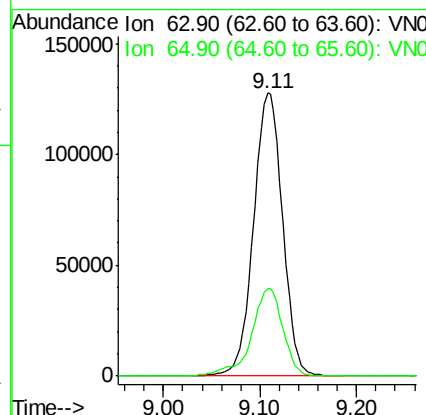
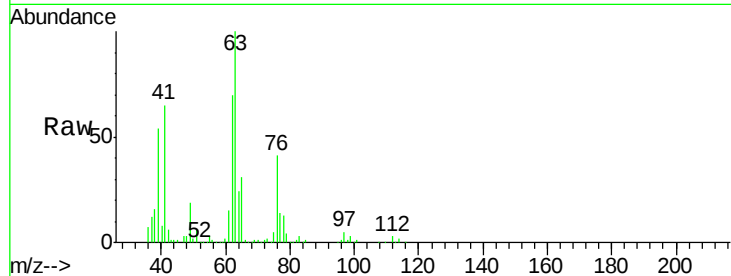
#45
 1,2-Dichloropropane
 Concen: 47.595 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 266173
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

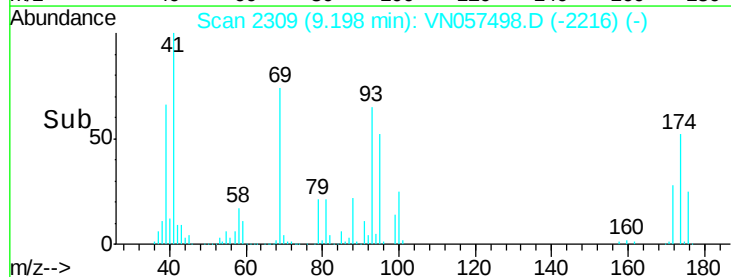
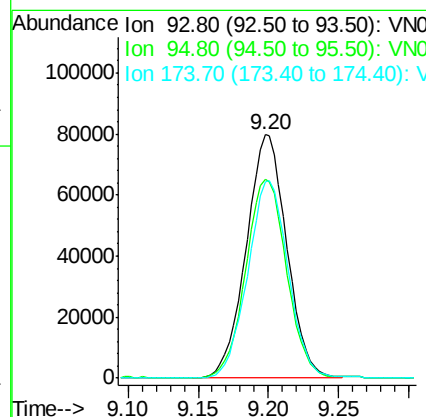
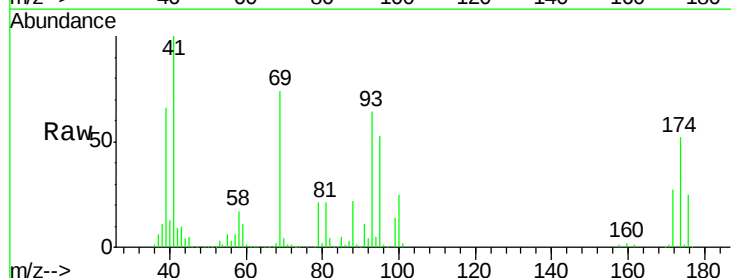
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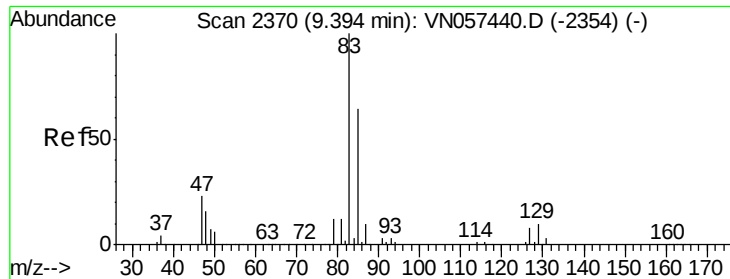
MMDadoda
 8/27/2019 5:30:15 PM



#46
 Dibromomethane
 Concen: 48.932 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion: 93 Resp: 160370
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.7 97.1
 174 80.8 62.3 93.5





#47

Bromodichloromethane

Concen: 46.476 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

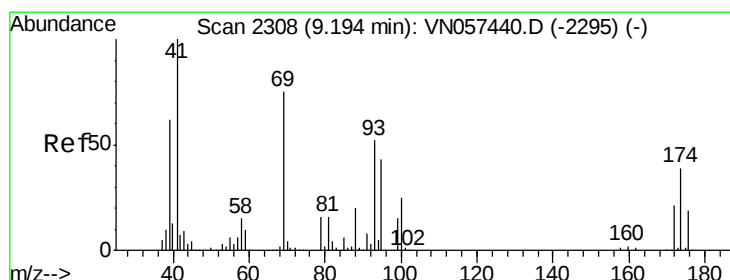
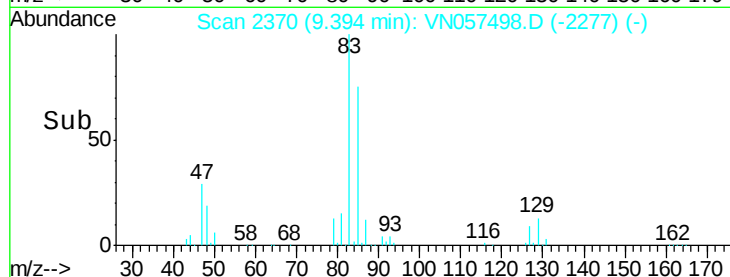
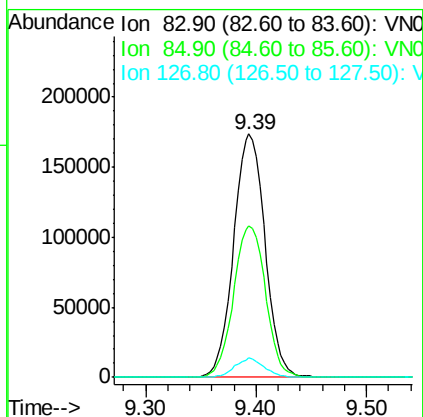
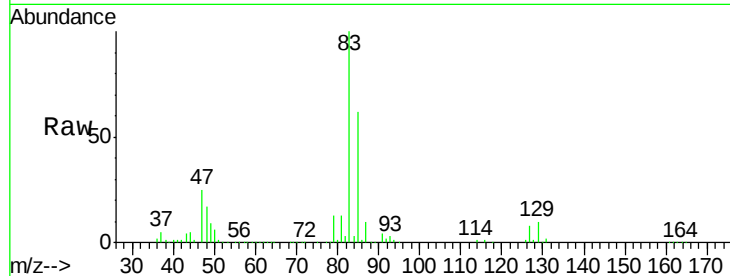
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	342904
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.2	76.8
127	7.8	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.239 ug/l

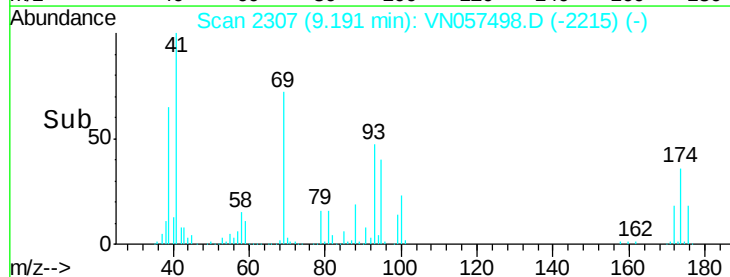
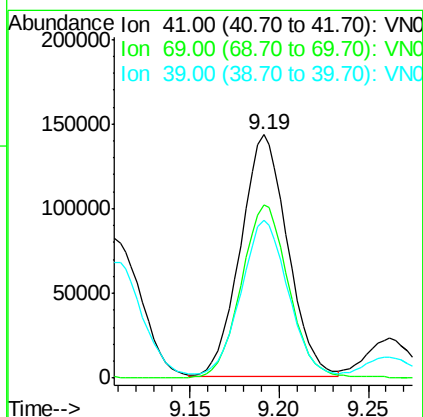
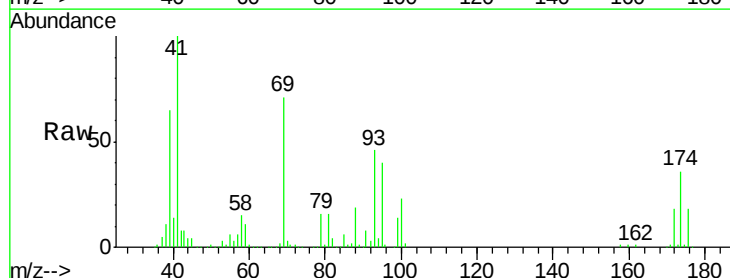
RT: 9.19 min Scan# 2307

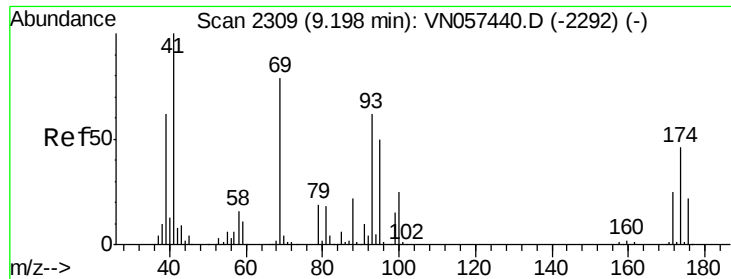
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	41	Resp:	263567
Ion Ratio	Lower	Upper	
41	100		
69	71.9	59.3	88.9
39	65.7	50.6	75.8





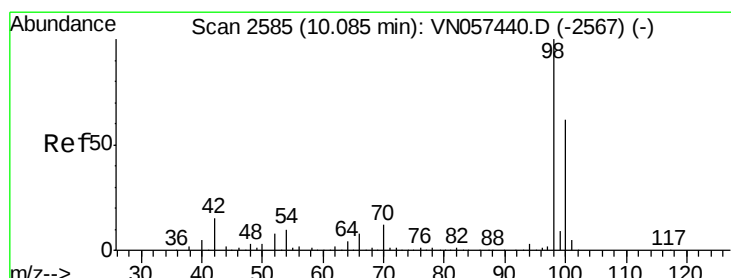
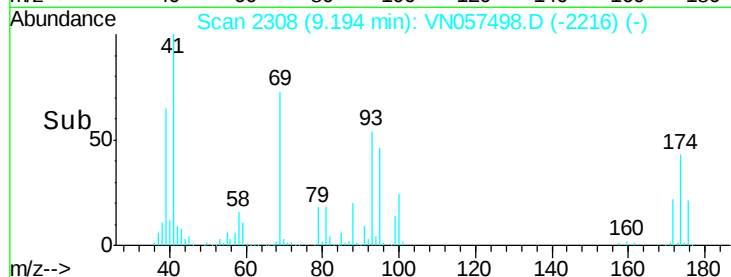
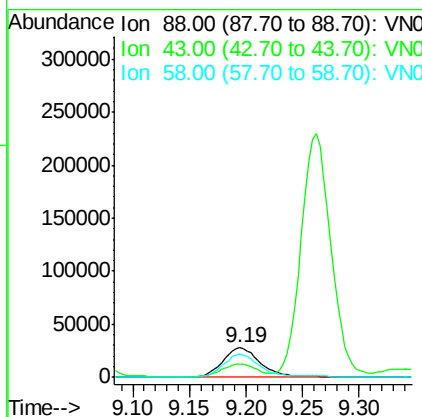
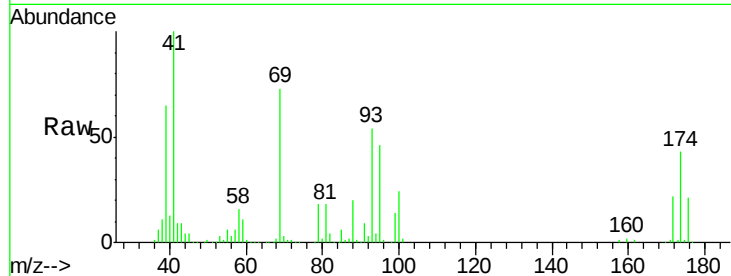
#49
 1,4-Dioxane
 Concen: 886.388 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	31.0	46.6
58	74.6	64.5	96.7

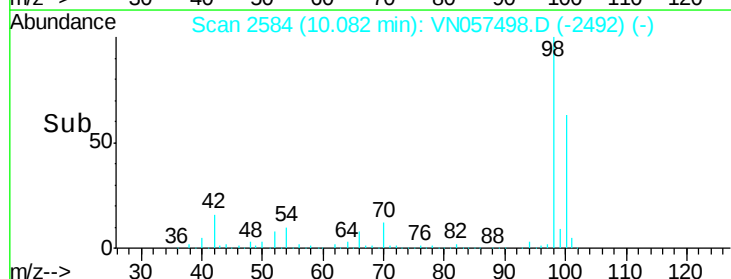
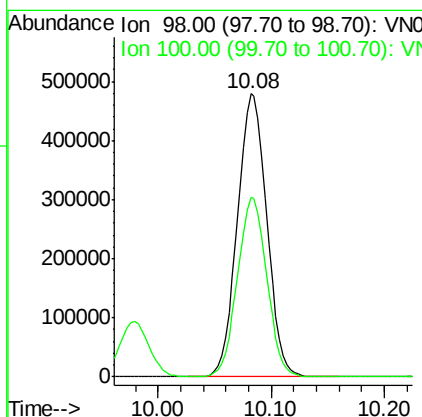
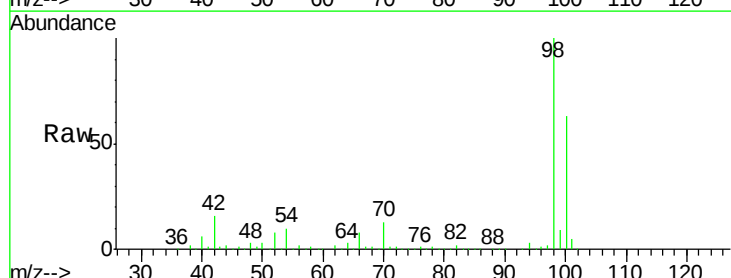
Manual Integrations
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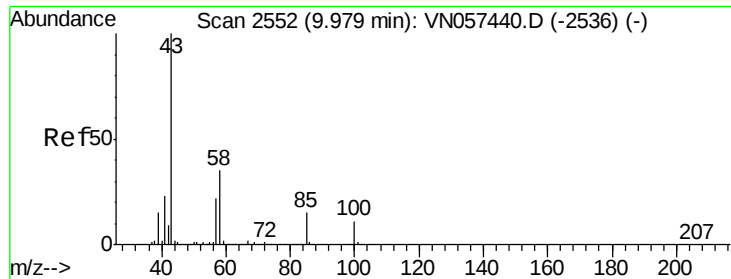
MMDadoda
 8/27/2019 5:30:15 PM



#50
 Toluene-d8
 Concen: 52.648 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 229.374 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1532377

Ion Ratio Lower Upper

43 100

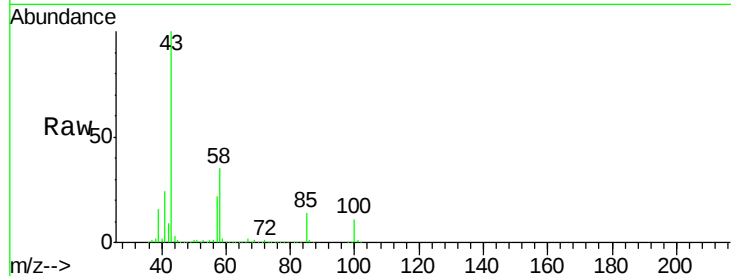
58 34.6 27.9 41.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

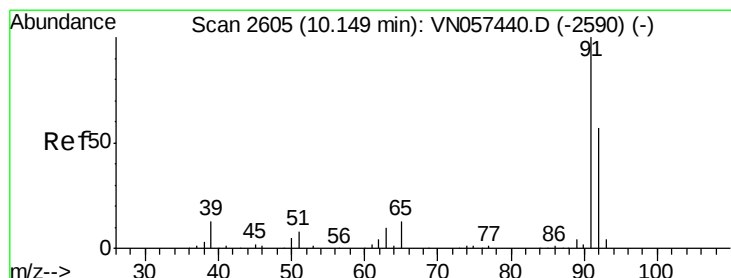
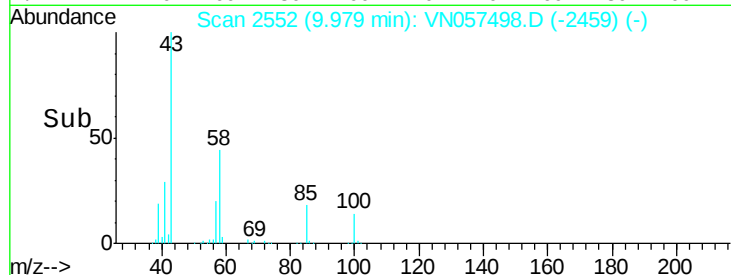
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 50.763 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057498.D

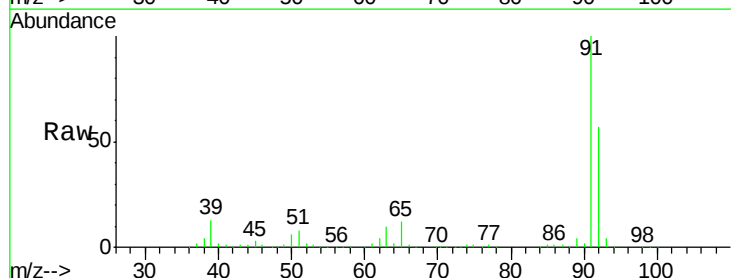
Acq: 26 Aug 2019 9:15

Tgt Ion: 92 Resp: 580983

Ion Ratio Lower Upper

92 100

91 174.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

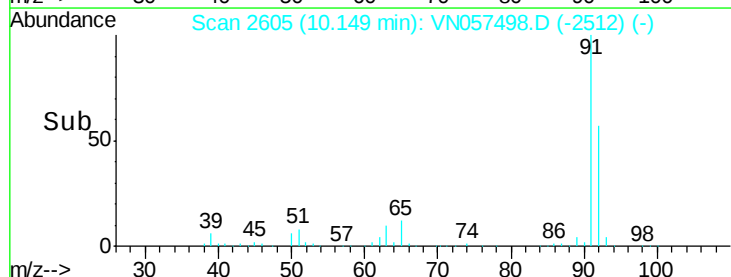
100000

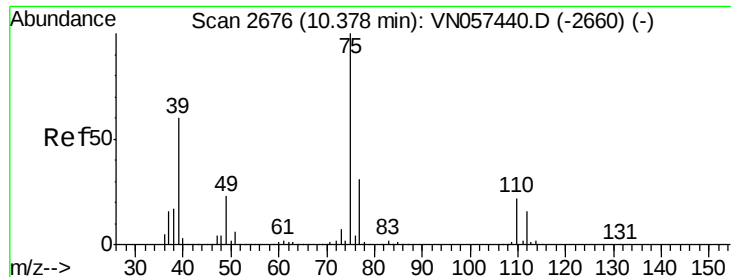
0

10.10

10.20

Time-->





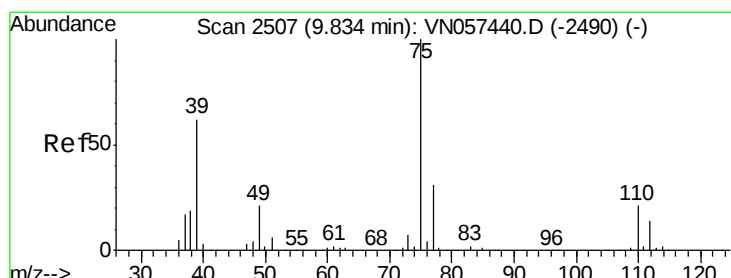
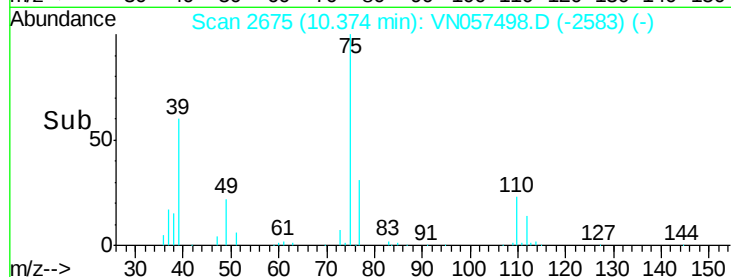
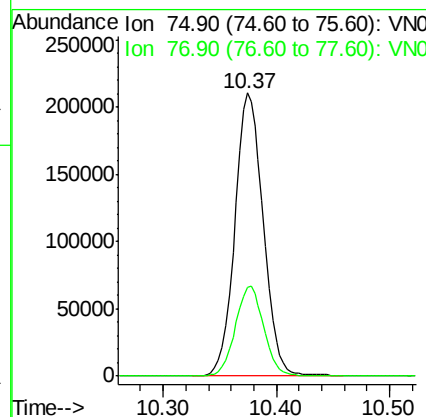
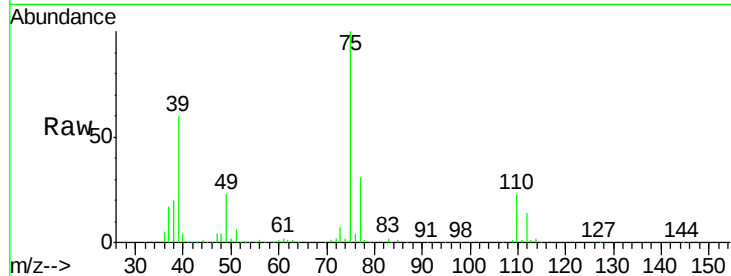
#53
 t-1,3-Dichloropropene
 Concen: 47.385 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

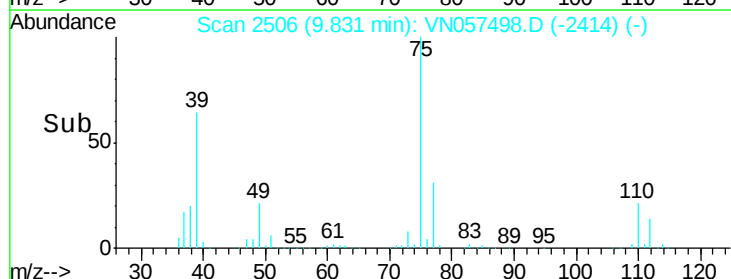
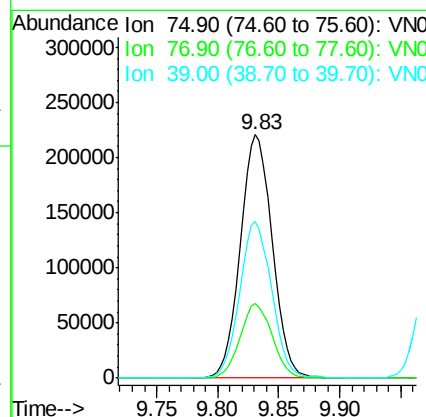
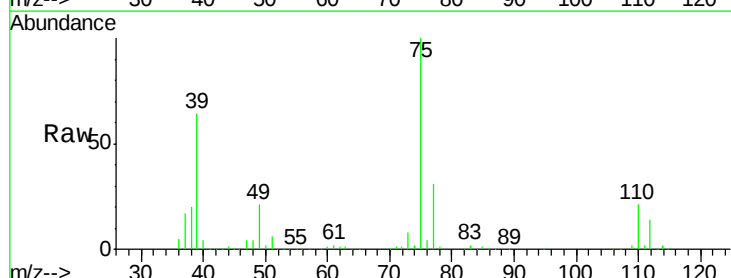
Manual Integrations
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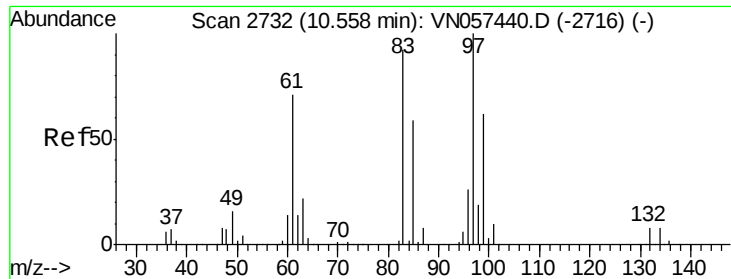
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#54
 cis-1,3-Dichloropropene
 Concen: 46.492 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.6
39	64.1	49.2	73.8





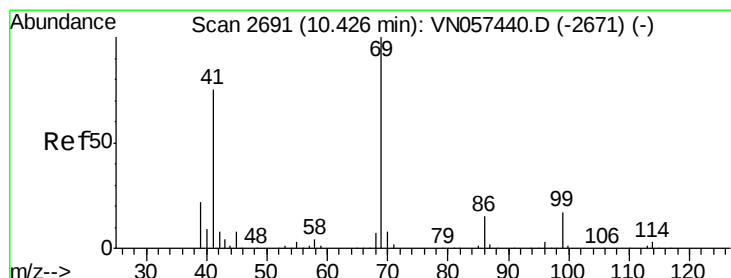
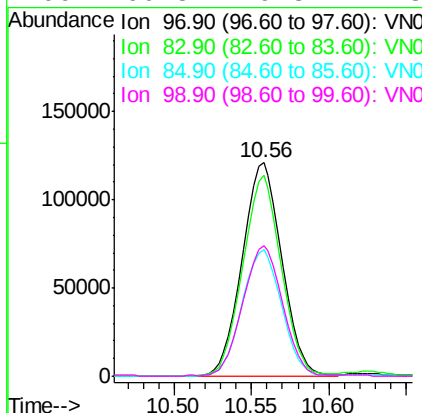
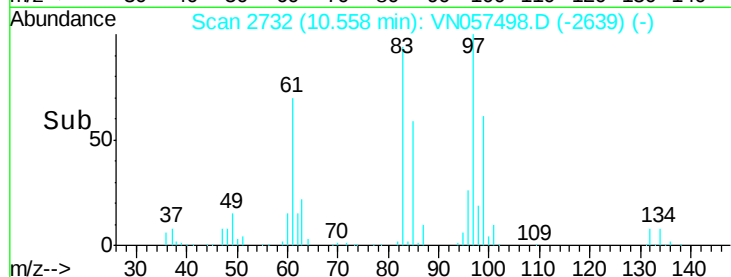
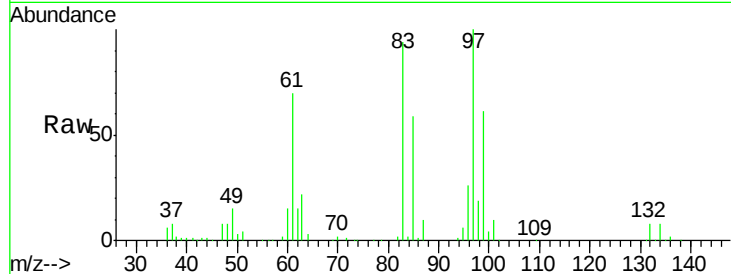
#55
 1,1,2-Trichloroethane
 Concen: 46.652 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		215921		
83	94.1	73.7	110.5		
85	59.2	46.8	70.2		
99	60.8	49.8	74.8		

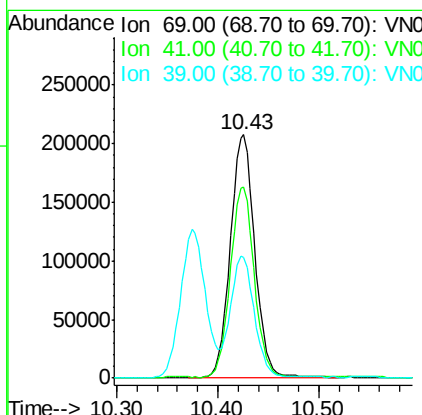
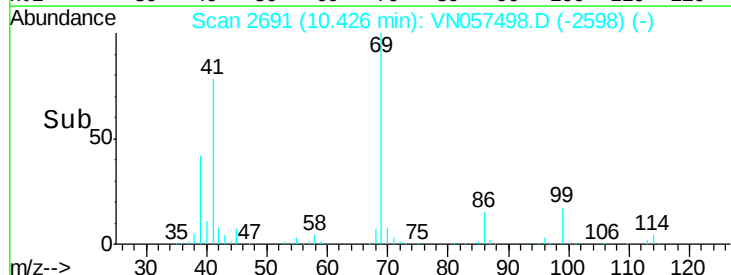
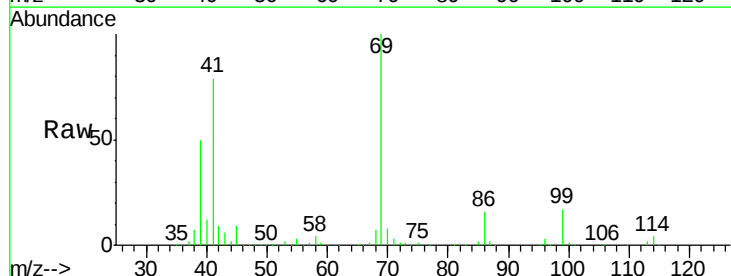
Manual Integrations
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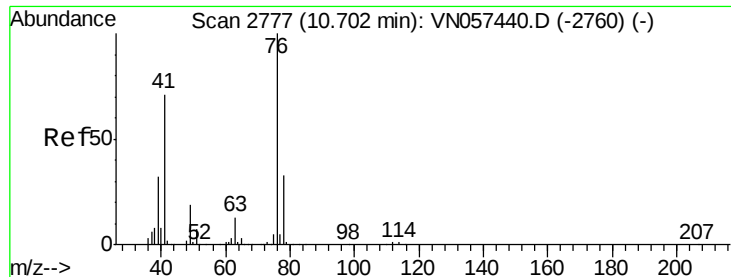
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#56
 Ethyl methacrylate
 Concen: 48.510 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		353188		
41	76.3	60.8	91.2		
39	48.8	36.5	54.7		





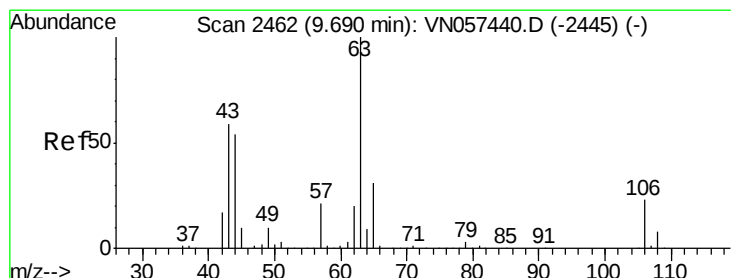
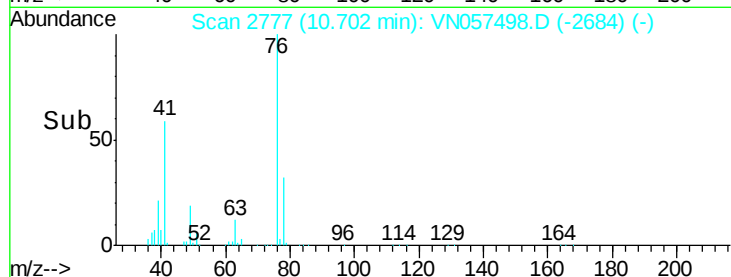
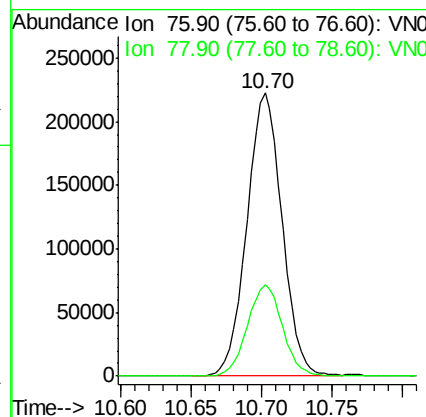
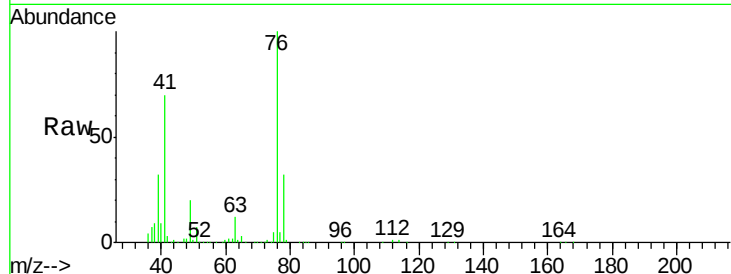
#57
 1,3-Dichloropropane
 Concen: 48.263 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

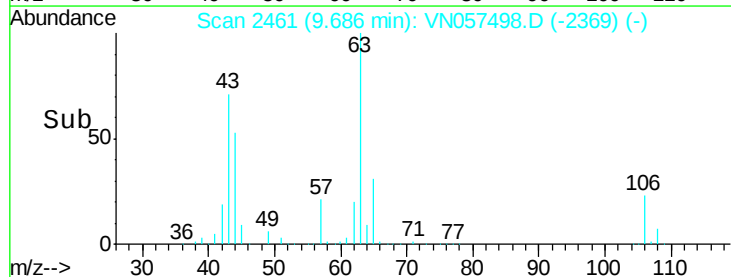
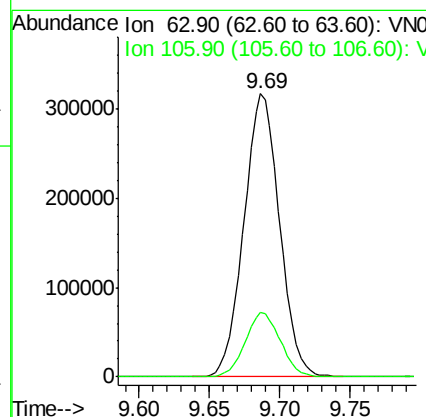
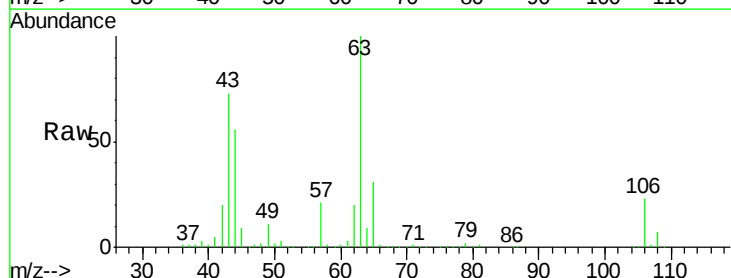
Manual Integrations
 APPROVED

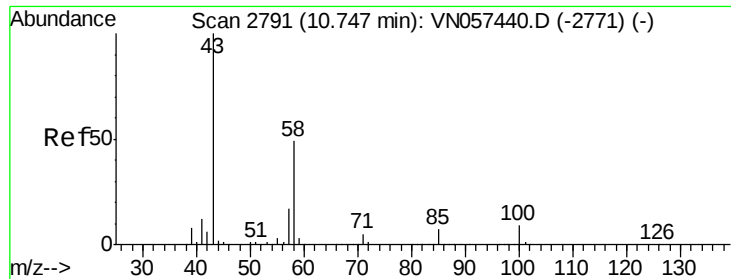
MMDadoda
 8/27/2019 5:30:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.751 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.5	18.6	27.8





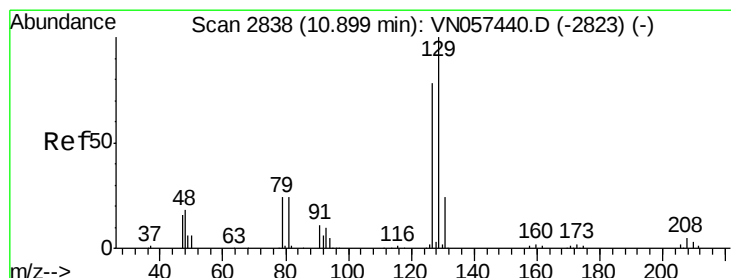
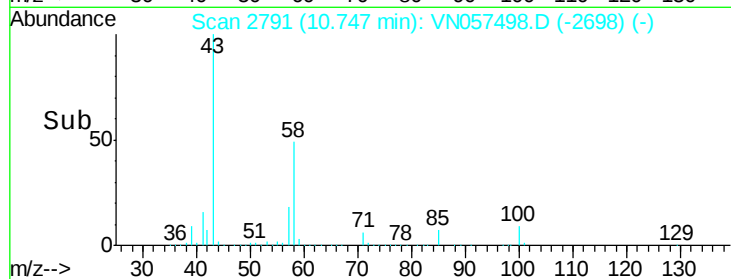
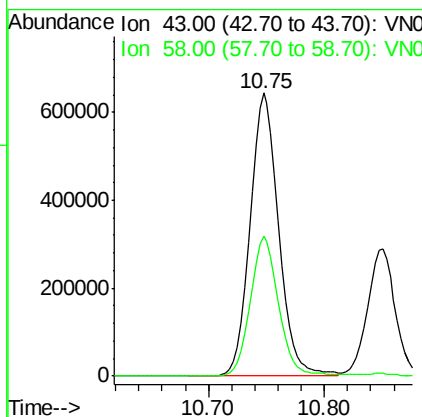
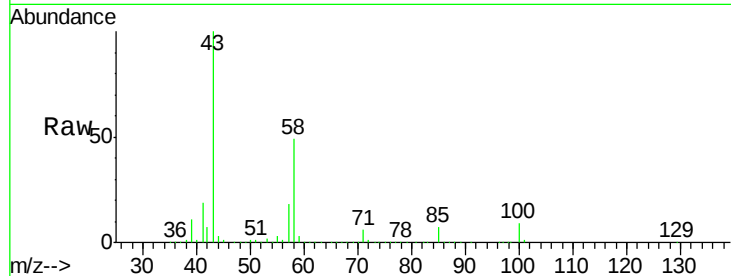
#59
2-Hexanone
Concen: 241.463 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1106428
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.6

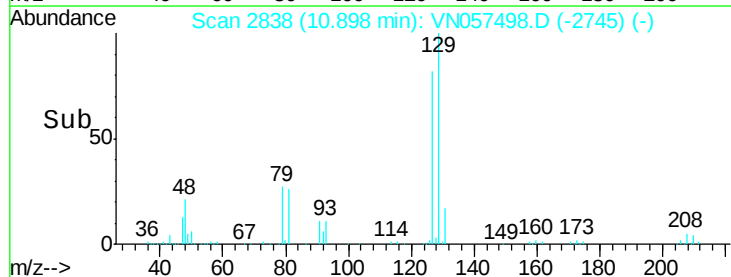
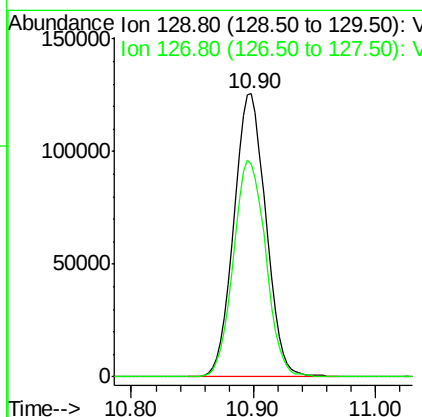
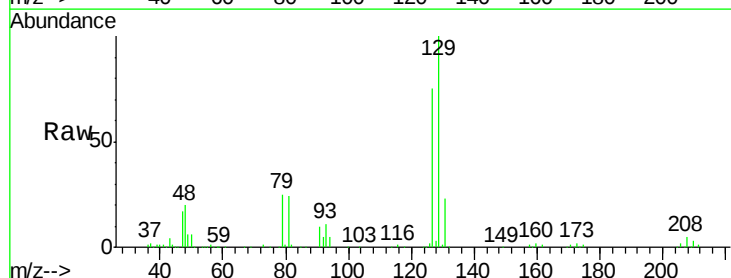
Manual Integrations
APPROVED

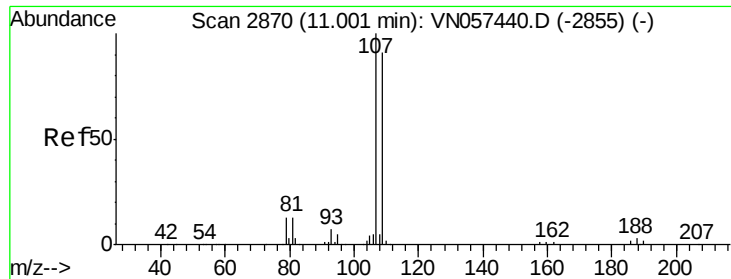
MMDadoda
8/27/2019 5:30:15 PM



#60
Dibromochloromethane
Concen: 46.858 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion: 129 Resp: 229188
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





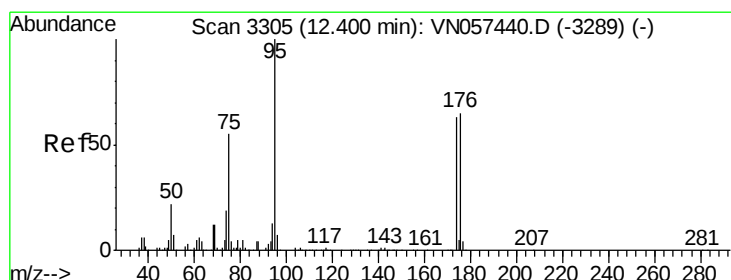
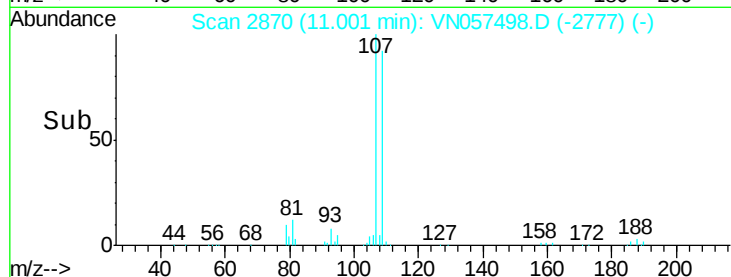
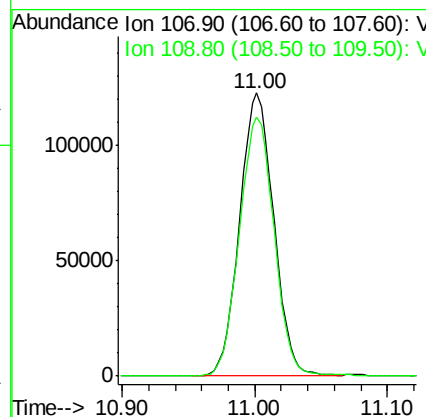
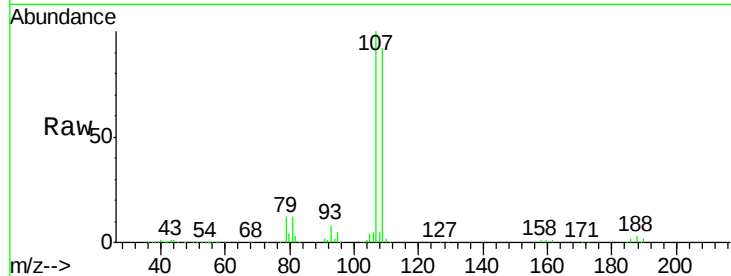
#61
 1,2-Dibromoethane
 Concen: 48.434 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.8	110.8

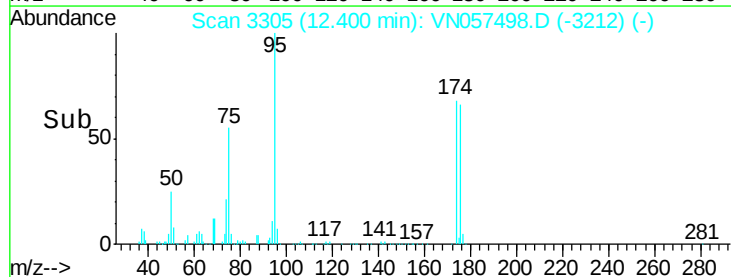
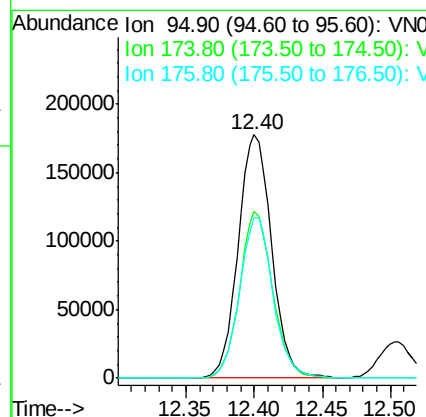
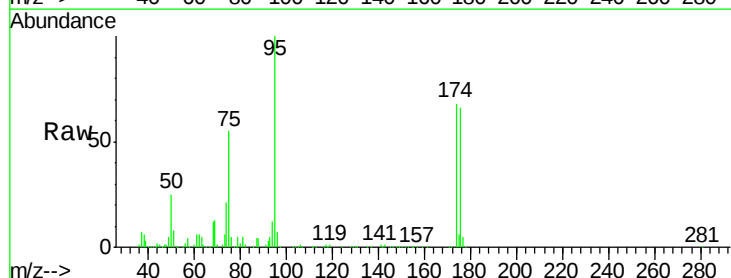
Manual Integrations
 APPROVED

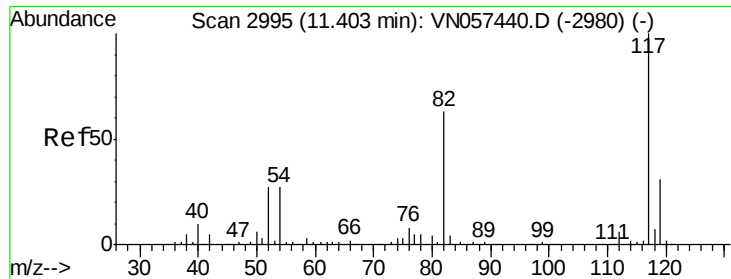
MMDadoda
 8/27/2019 5:30:15 PM



#62
 4-Bromofluorobenzene
 Concen: 54.042 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	133.0
176	66.1	0.0	130.8





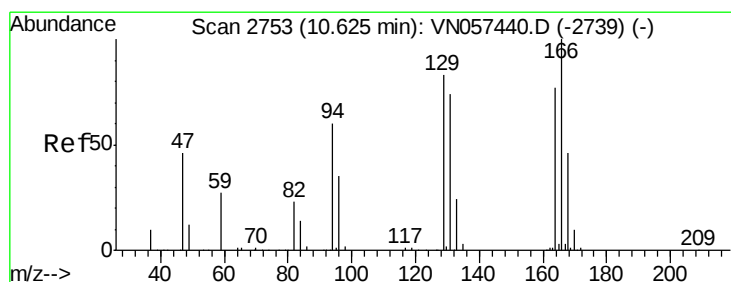
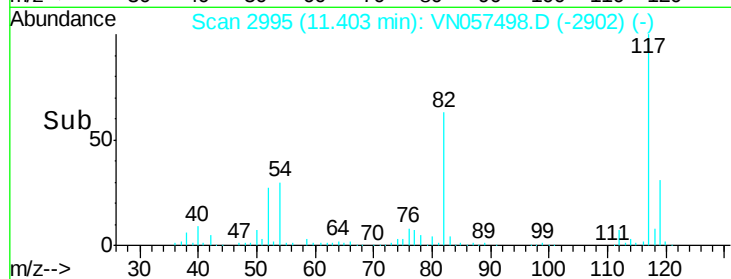
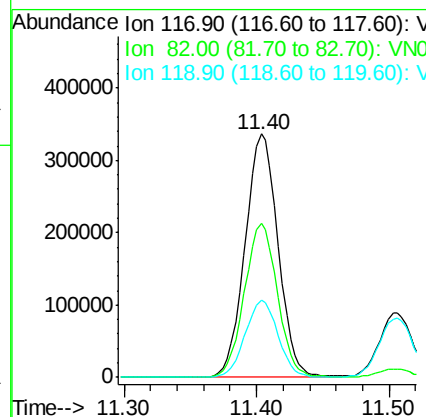
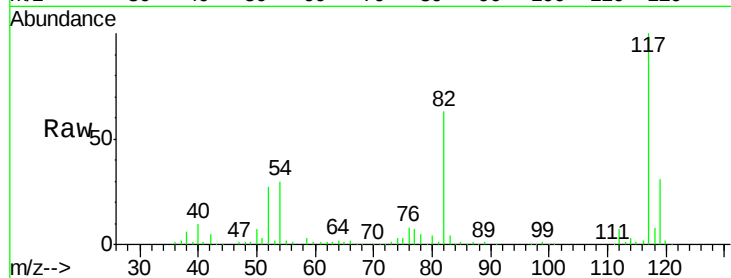
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	50.6	75.8
119	31.5	24.6	36.8

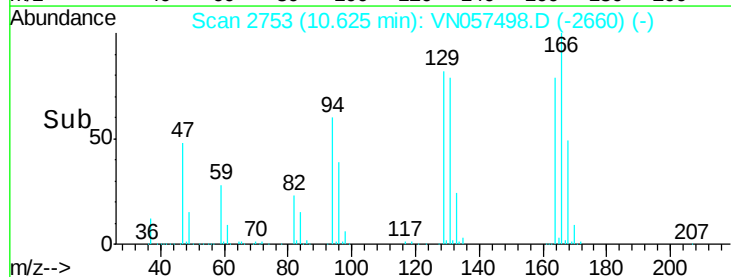
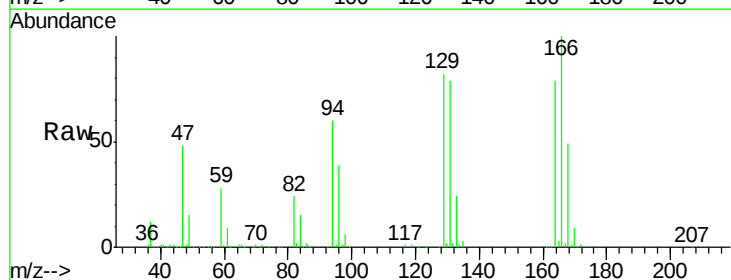
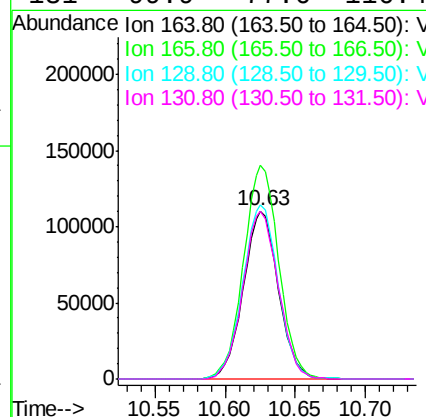
Manual Integrations
APPROVED

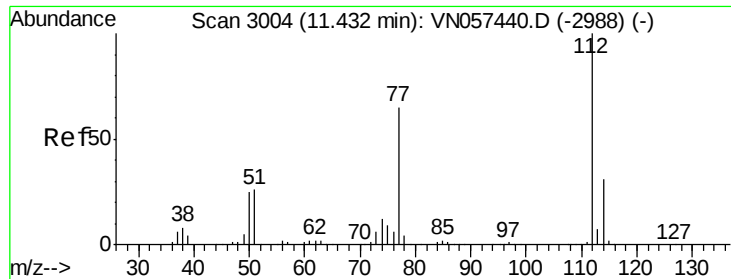
MMDadoda
8/27/2019 5:30:15 PM



#64
Tetrachloroethene
Concen: 47.026 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.4	156.6
129	103.7	86.6	130.0
131	99.9	77.6	116.4





#65

Chlorobenzene

Concen: 48.060 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 565656

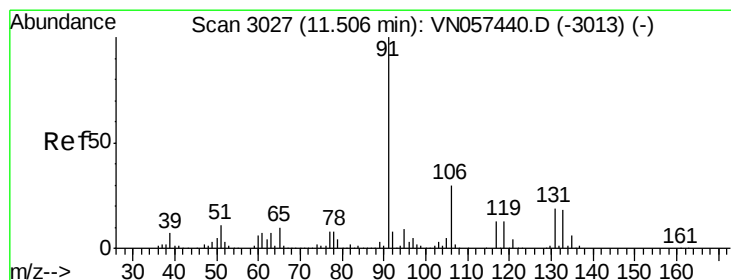
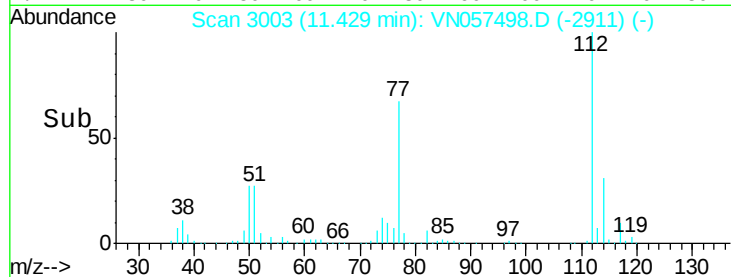
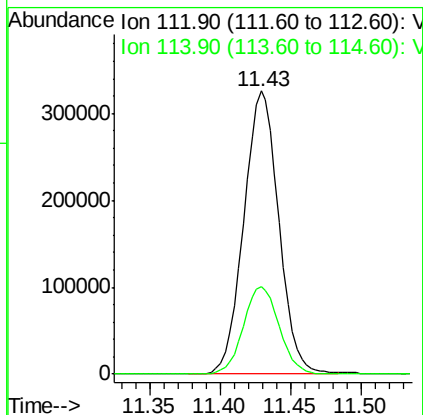
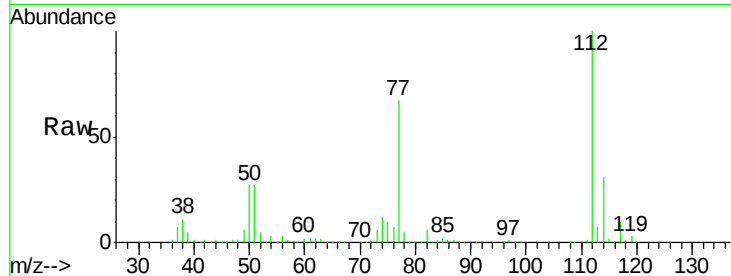
Ion Ratio Lower Upper

112 100

114 30.8 24.8 37.2

Manual Integrations
APPROVED

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8/27/2019 5:30:15 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.837 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

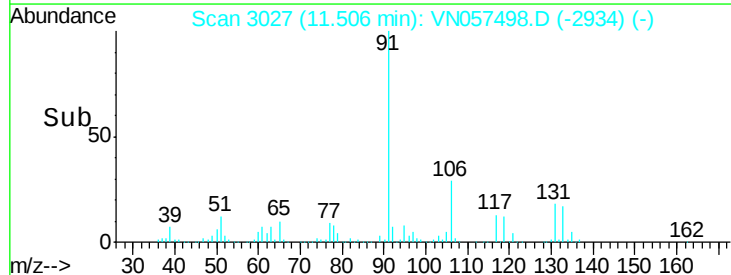
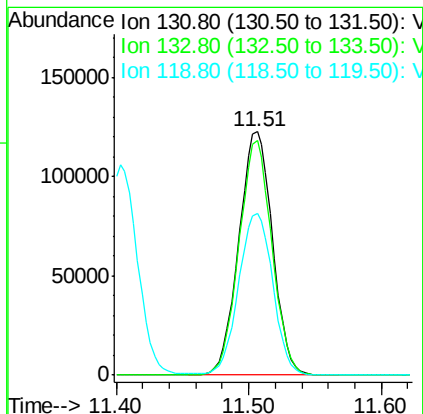
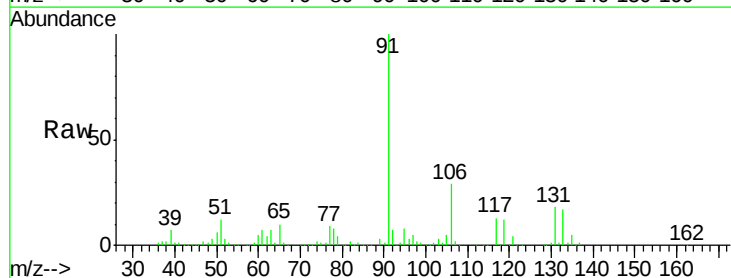
Tgt Ion:131 Resp: 215927

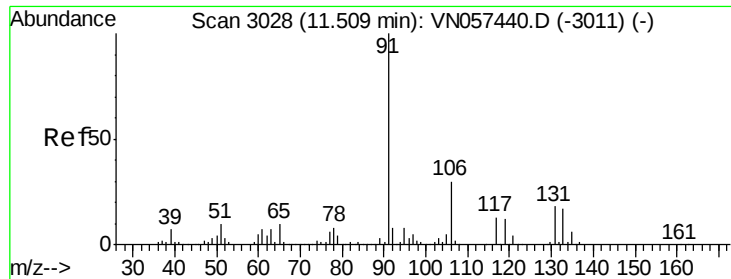
Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.8

119 67.5 34.4 103.2





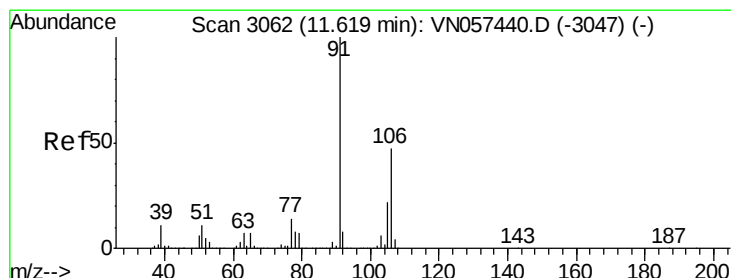
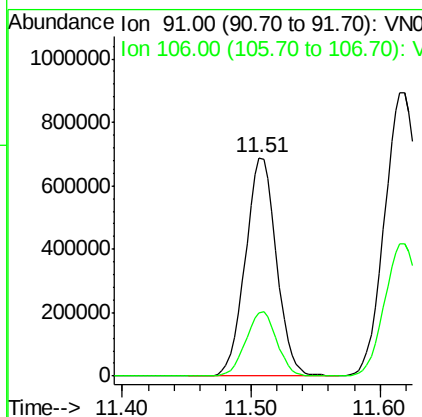
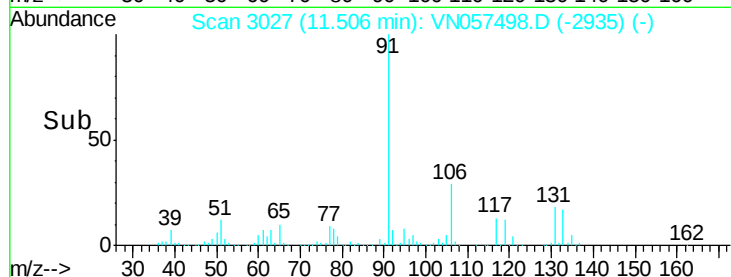
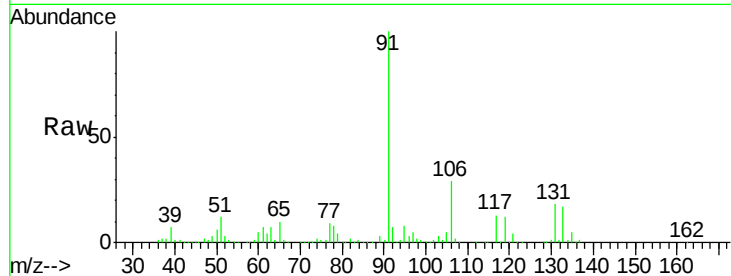
#67
Ethyl Benzene
Concen: 50.681 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1154572
Ion Ratio Lower Upper
91 100
106 29.0 24.1 36.1

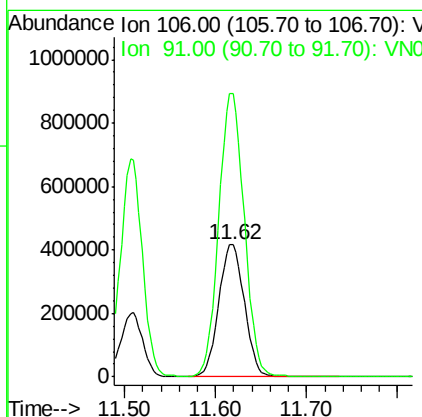
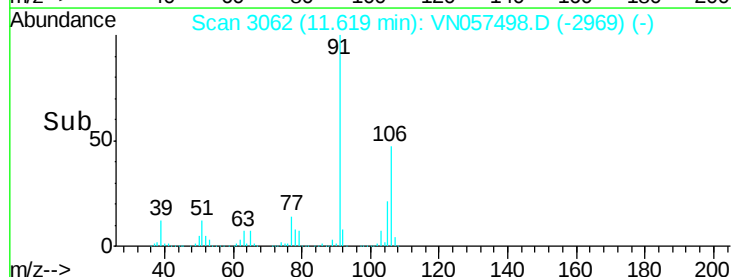
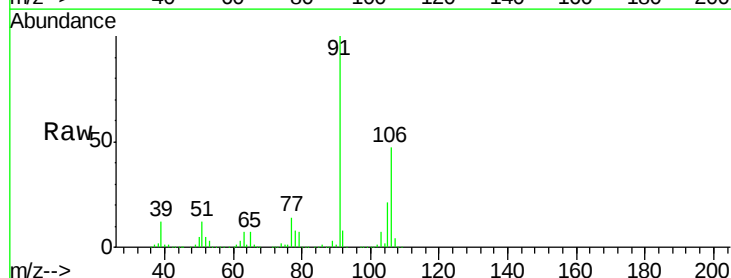
Manual Integrations
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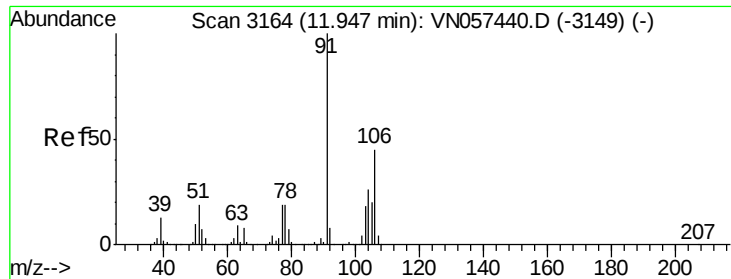
MMDadoda
8/27/2019 5:30:15 PM



#68
m/p-Xylenes
Concen: 105.360 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion: 106 Resp: 816271
Ion Ratio Lower Upper
106 100
91 212.7 171.8 257.6





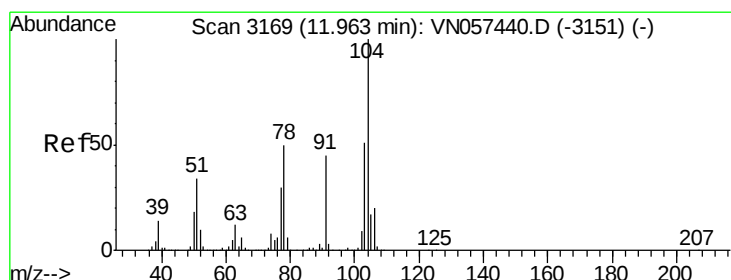
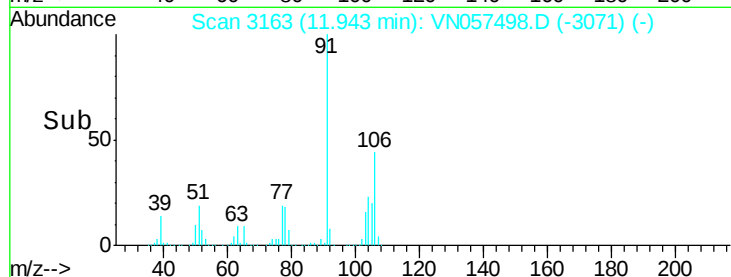
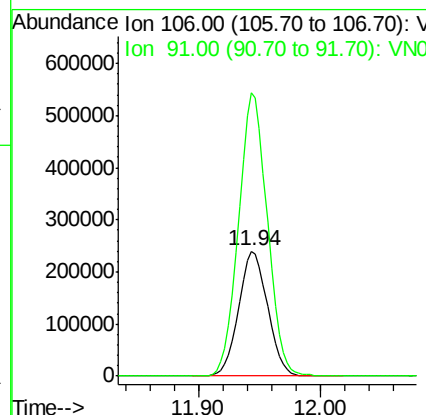
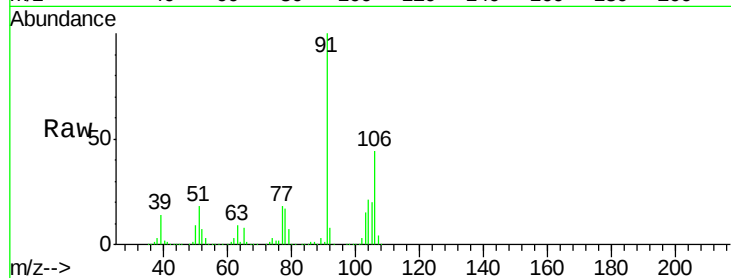
#69
o-Xylene
Concen: 51.380 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.6	112.3	394332		336.9

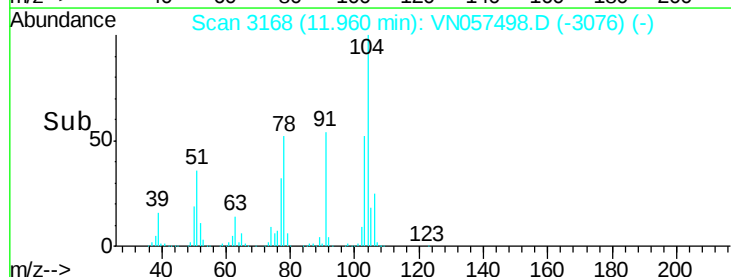
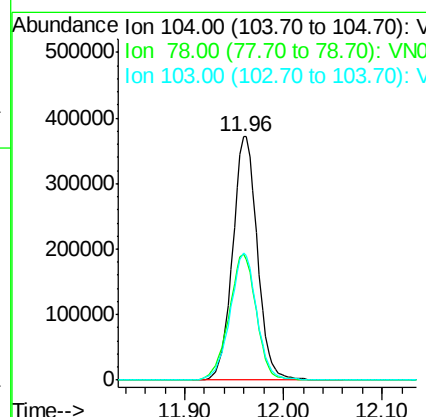
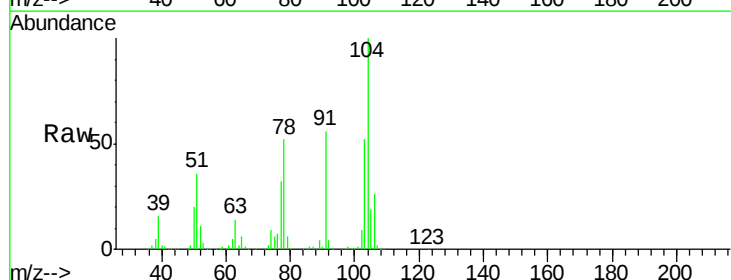
Manual Integrations
APPROVED

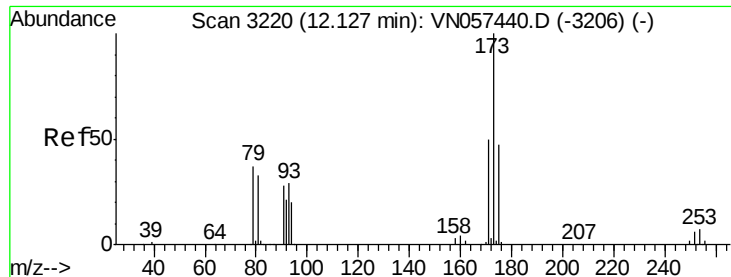
MMDadoda
8/27/2019 5:30:15 PM



#70
Styrene
Concen: 53.702 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	57.0	44.7	652618		67.1
103	56.2	44.4			66.6





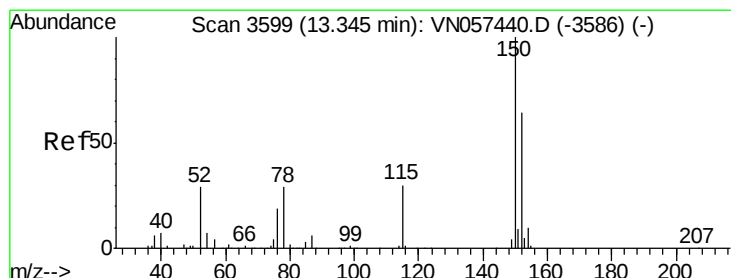
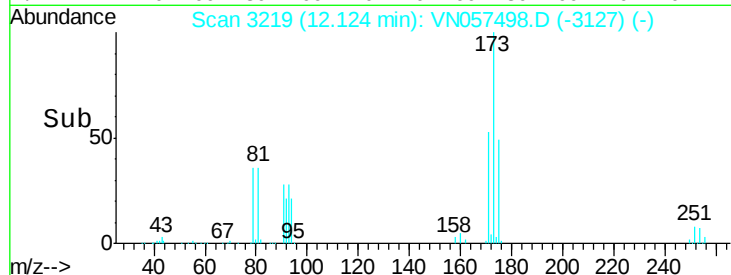
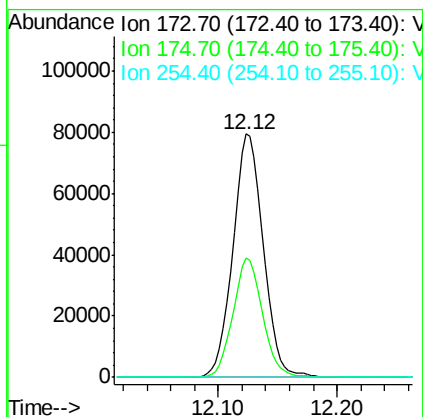
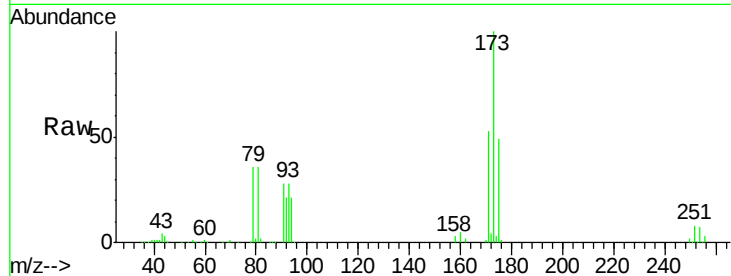
#71
 Bromoform
 Concen: 45.893 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.8
254	0.0	0.1	0.1

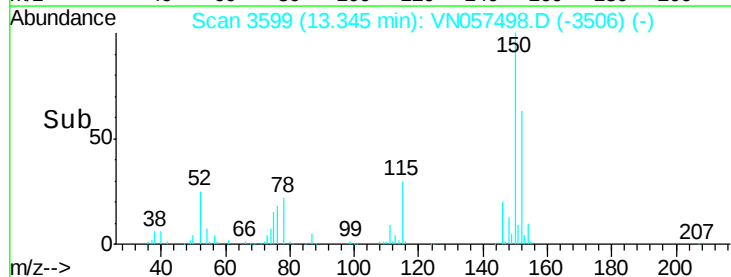
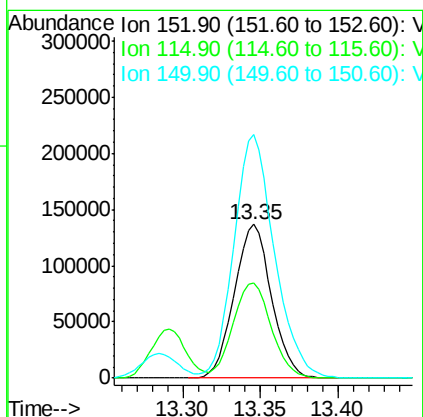
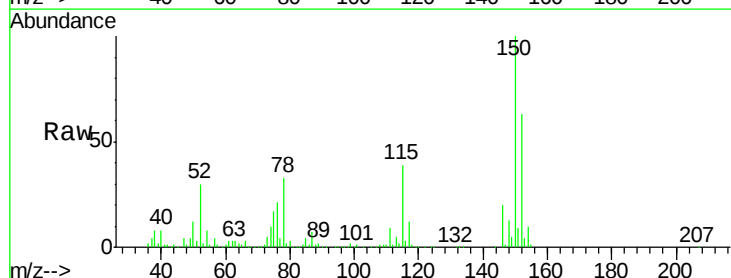
Manual Integrations
 APPROVED

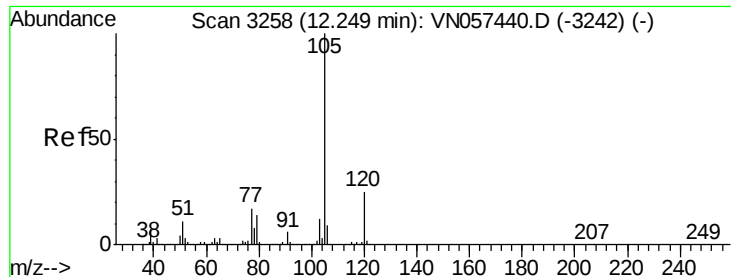
MMDadoda
 8/27/2019 5:30:15 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.0	96.0
150	172.6	0.0	346.6





#73

Isopropylbenzene

Concen: 53.476 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1077719

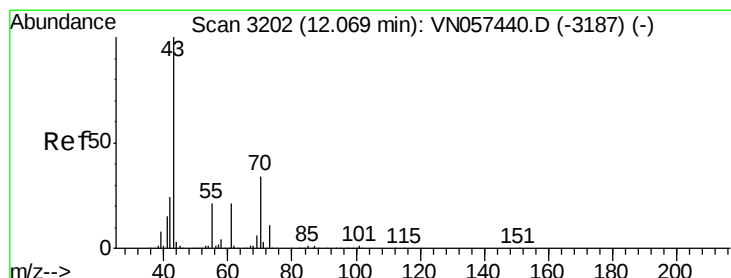
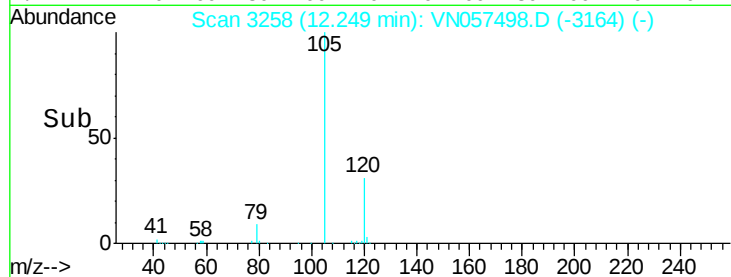
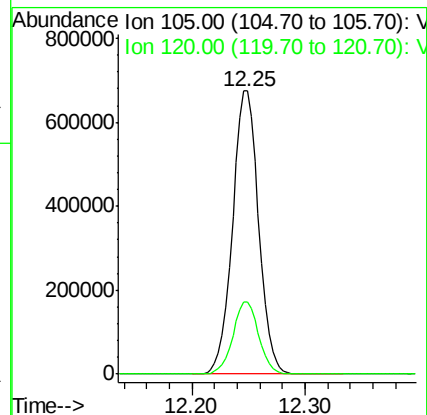
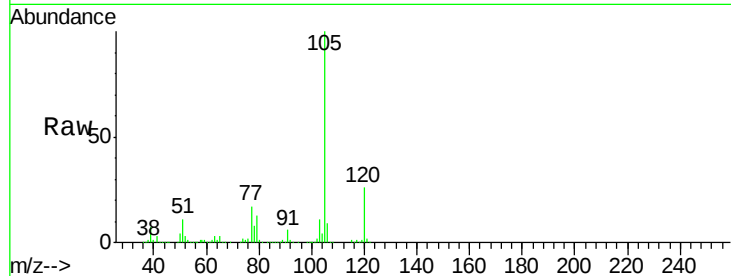
Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0

Manual Integrations
APPROVED

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8/27/2019 5:30:15 PM



#74

N-ethyl acetate

Concen: 47.851 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion: 43 Resp: 457781

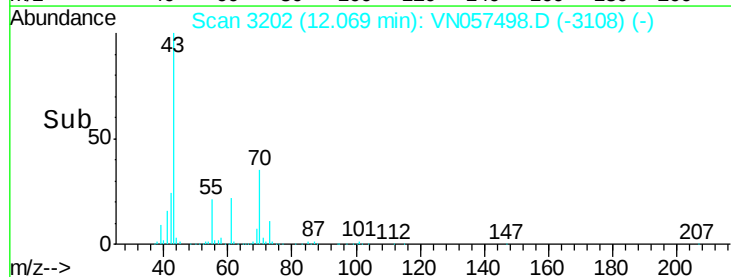
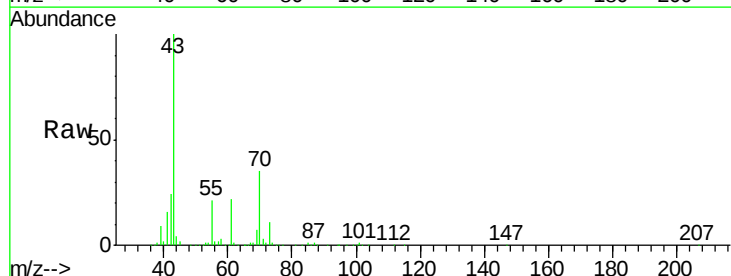
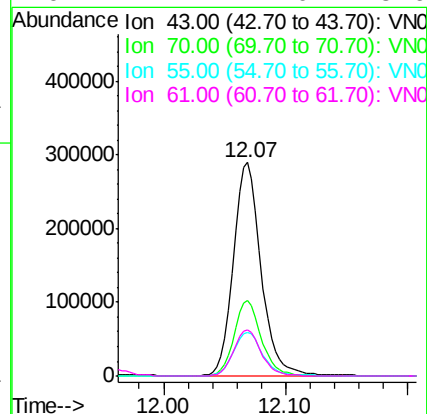
Ion Ratio Lower Upper

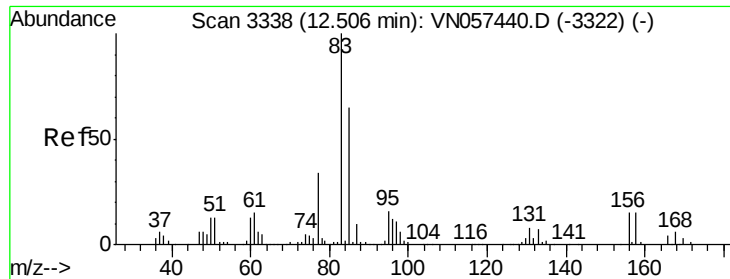
43 100

70 34.8 27.8 41.6

55 21.8 17.0 25.4

61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.128 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

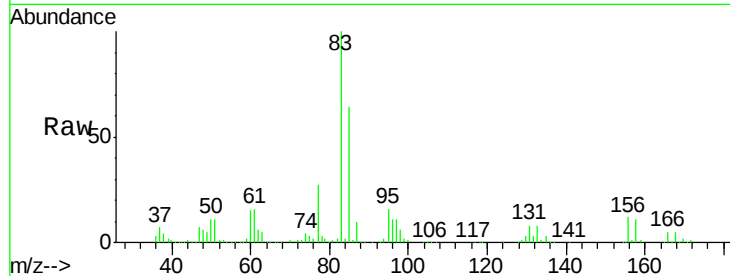
ClientSampleId :

VSTDCCC050

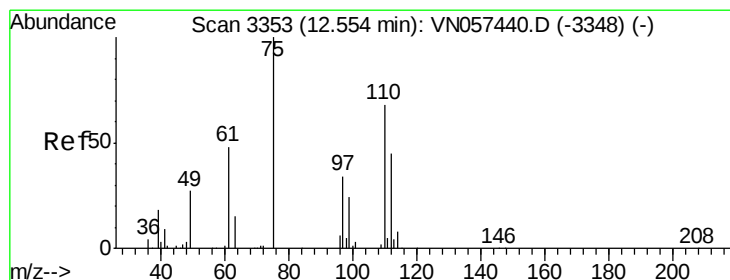
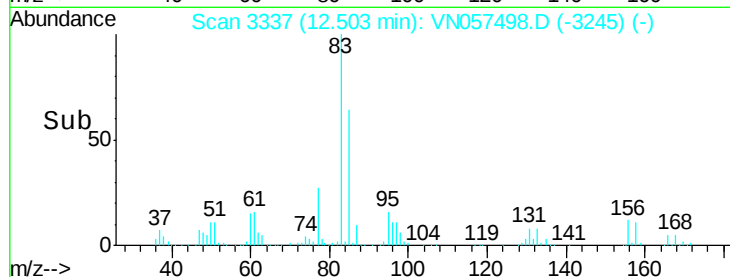
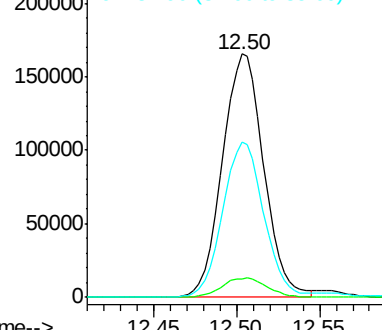
Tot Ion:	83	Resp:	286951
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	13.1
85	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:15 PM



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



#76

1,2,3-Trichloropropane

Concen: 48.912 ug/l m

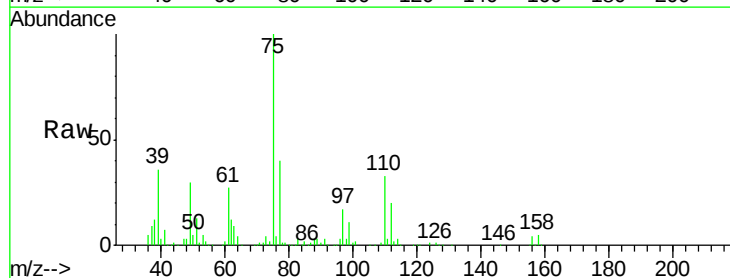
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

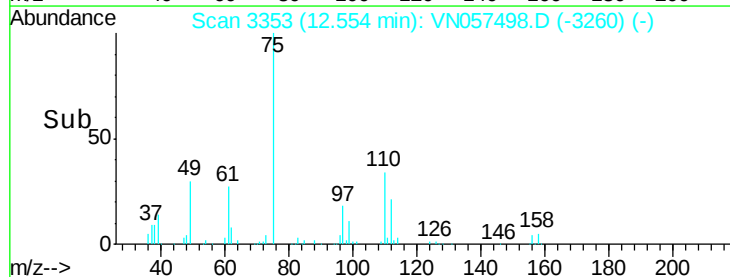
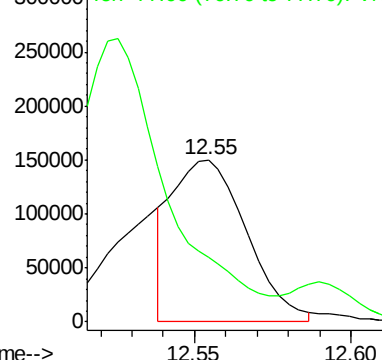
Lab File: VN057498.D

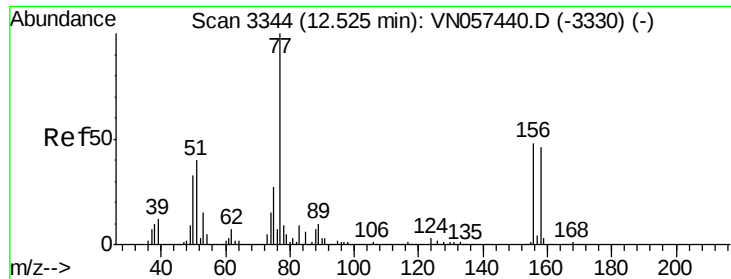
Acq: 26 Aug 2019 9:15

Tgt Ion:	75	Resp:	247557
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 52.260 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

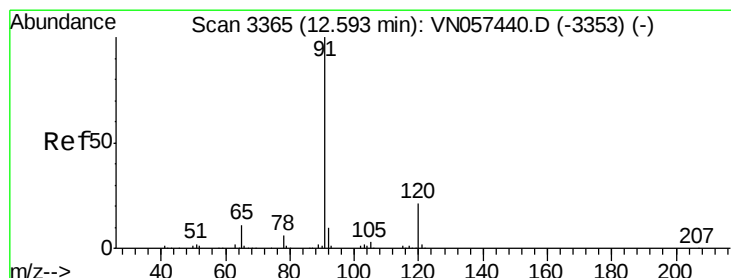
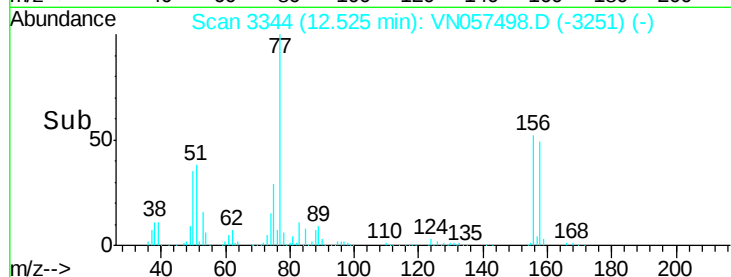
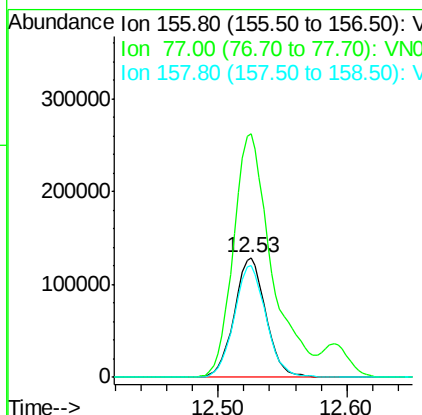
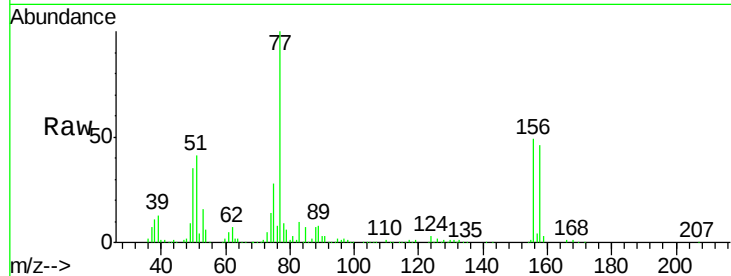
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	247.0	124.4	373.3
158	94.6	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 53.153 ug/l

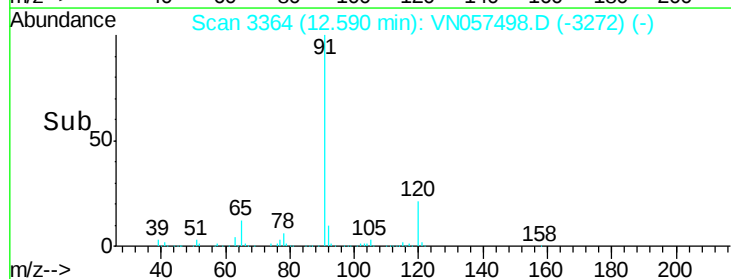
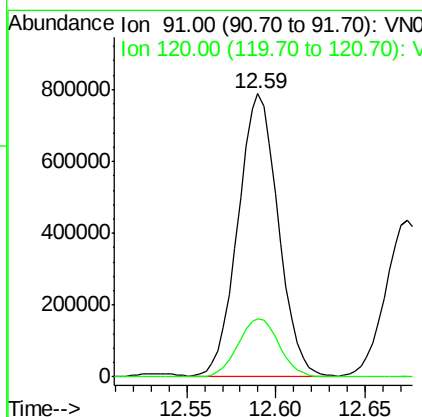
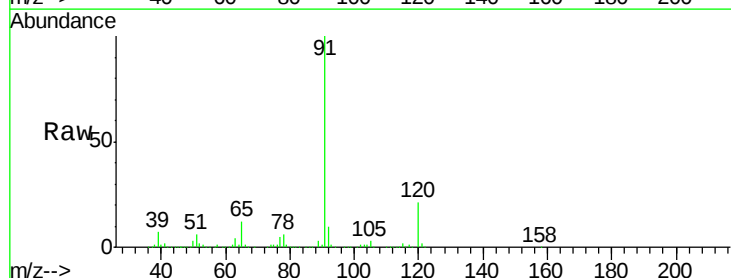
RT: 12.59 min Scan# 3364

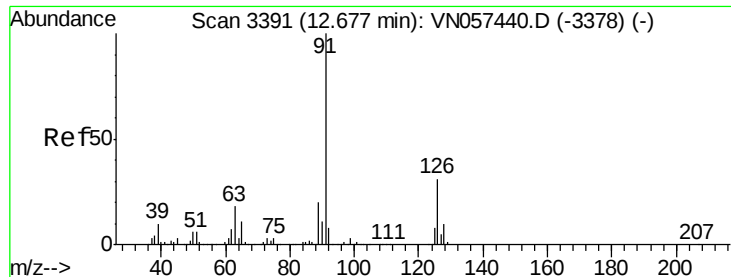
Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1





#79

2-Chlorotoluene

Concen: 53.042 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 719791

Ion Ratio Lower Upper

91 100

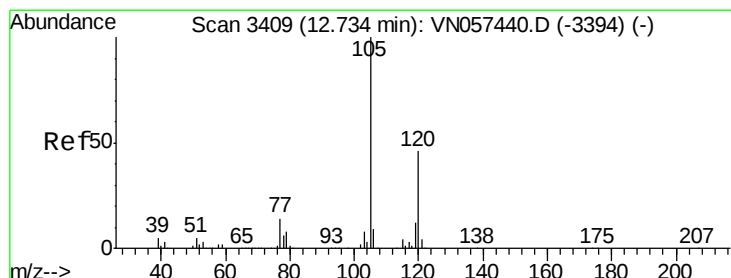
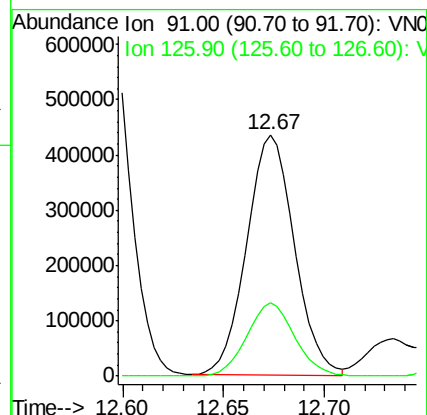
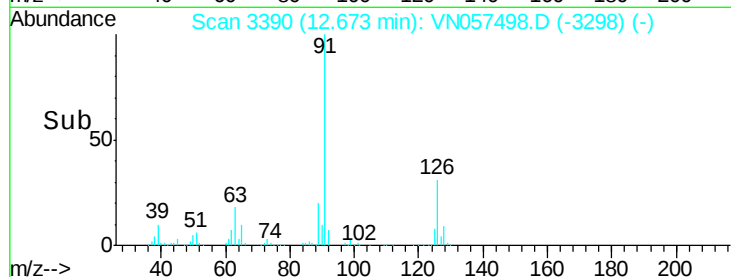
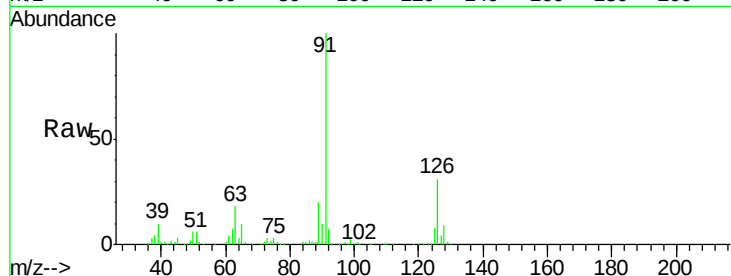
126 30.8 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.842 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057498.D

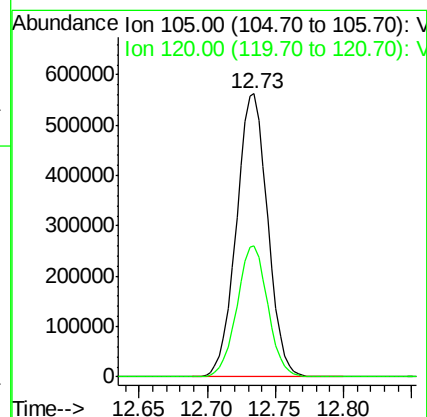
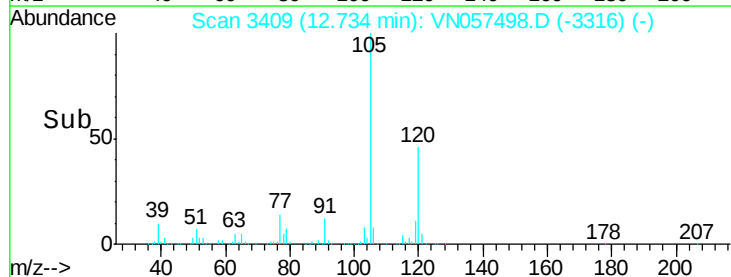
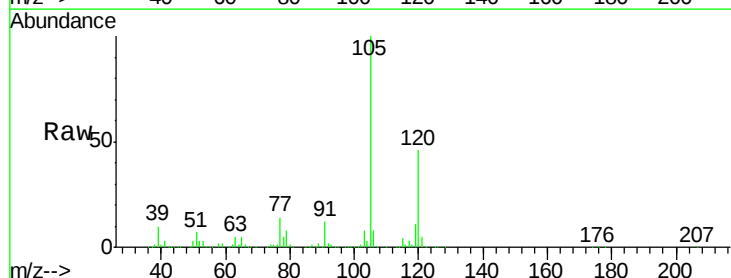
Acq: 26 Aug 2019 9:15

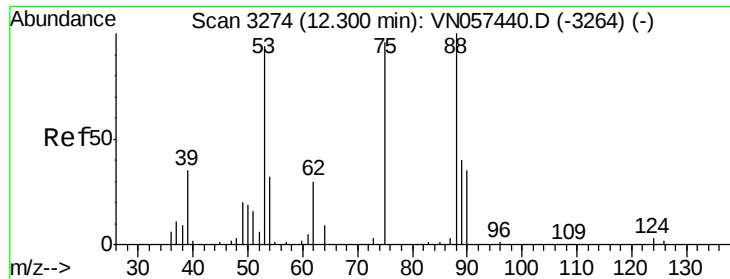
Tgt Ion: 105 Resp: 891846

Ion Ratio Lower Upper

105 100

120 45.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.550 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

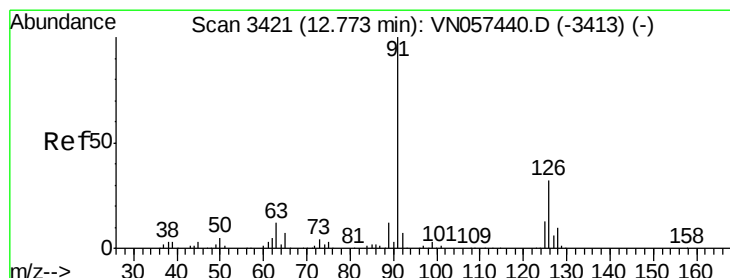
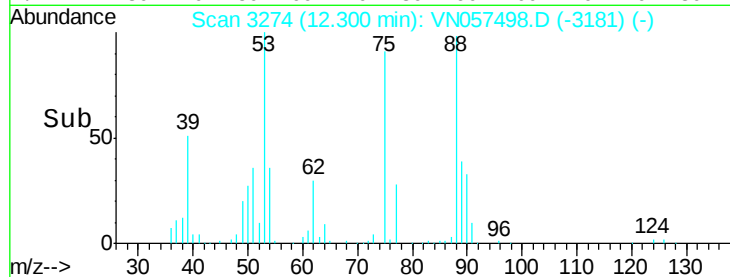
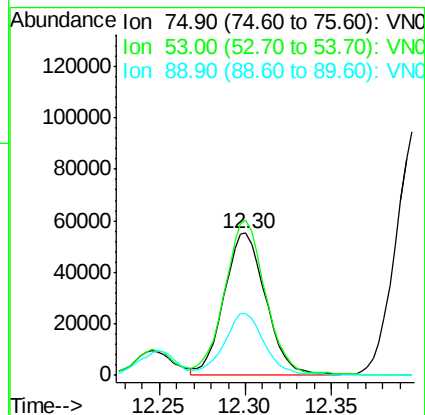
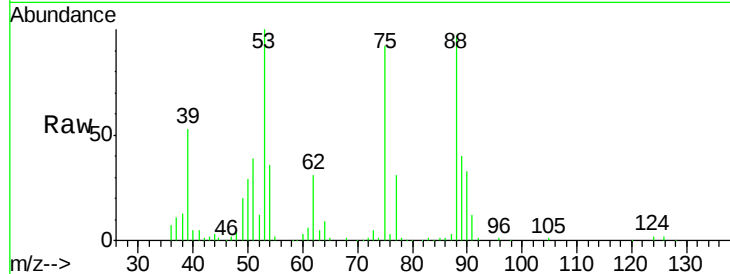
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	92370
Ion	Ratio	Lower	Upper
75	100		
53	108.3	82.7	124.1
89	43.1	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.941 ug/l

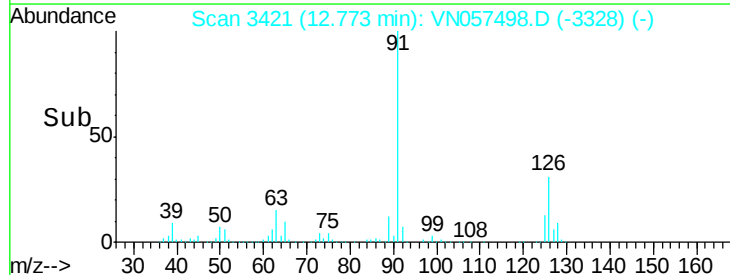
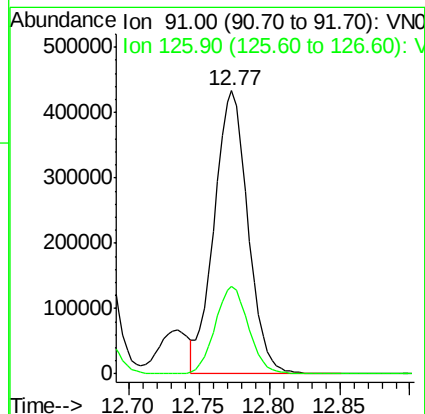
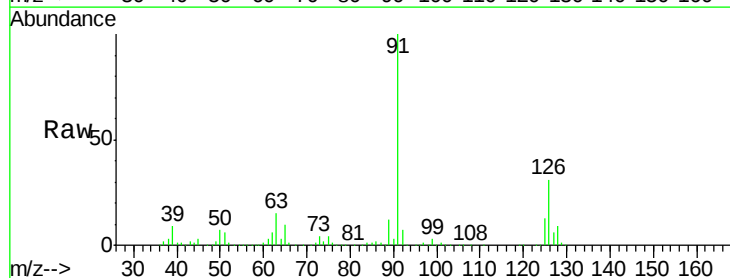
RT: 12.77 min Scan# 3421

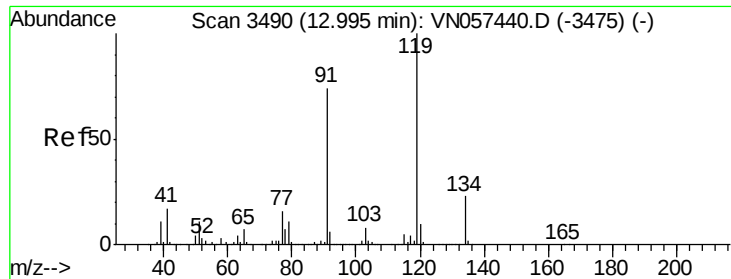
Delta R.T. 0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	91	Resp:	718369
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.0	45.0





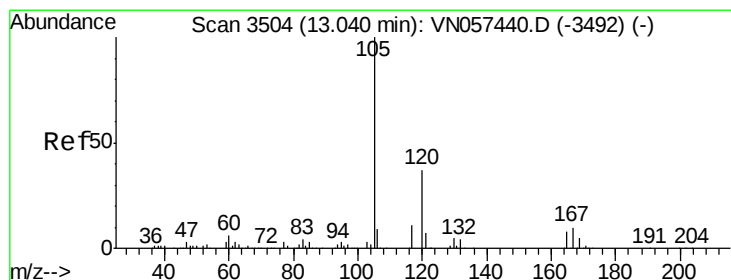
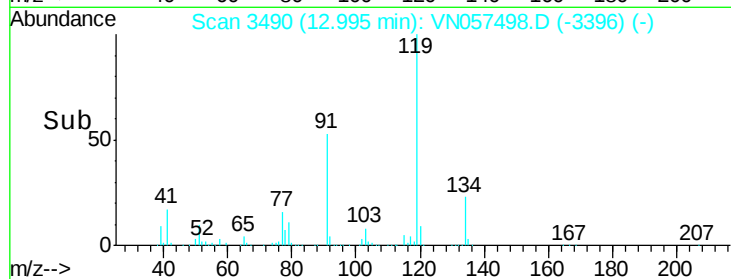
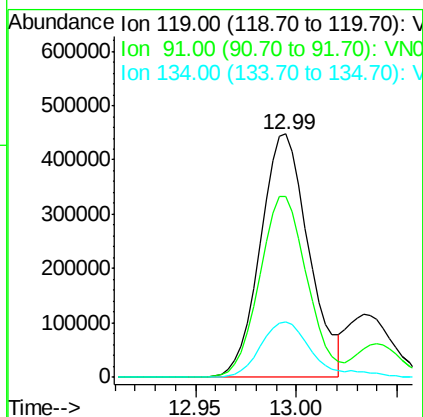
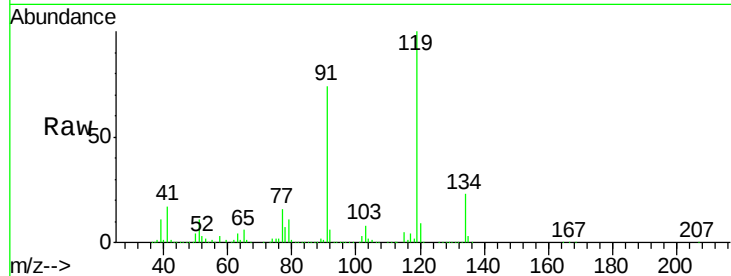
#83
tert-Butylbenzene
Concen: 54.102 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.5	37.0	111.0
134	24.6	12.2	36.6

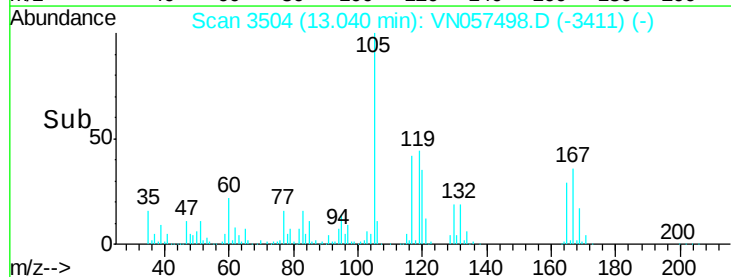
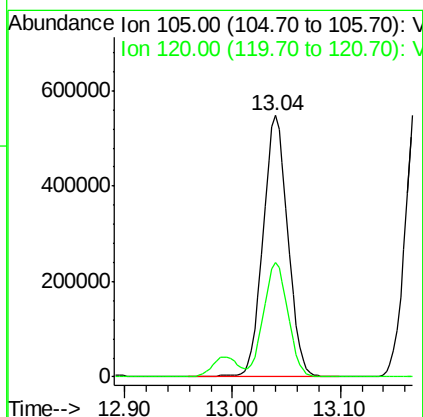
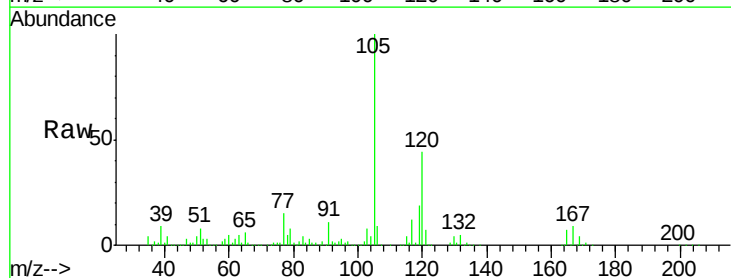
Manual Integrations
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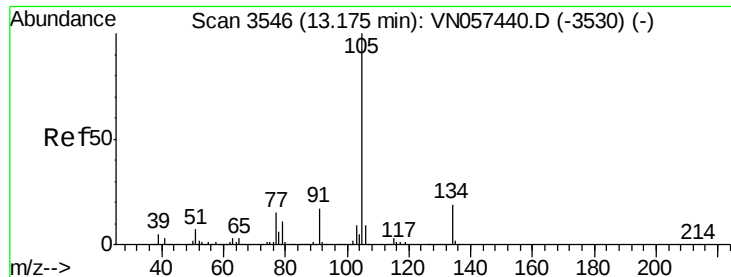
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.232 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.740 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1010010

Ion Ratio Lower Upper

105 100

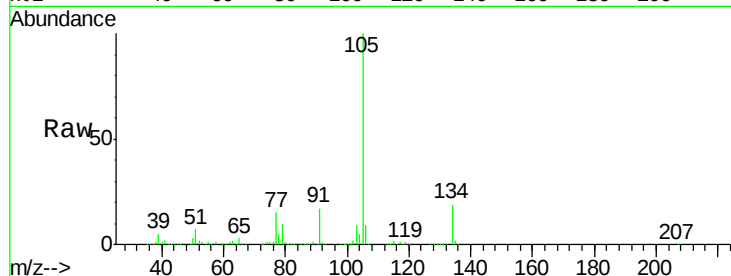
134 18.7 9.3 27.9

Manual Integrations

APPROVED

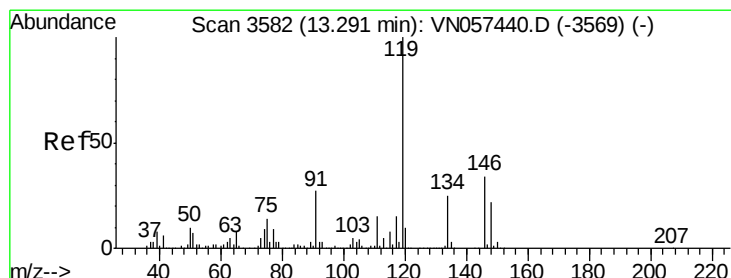
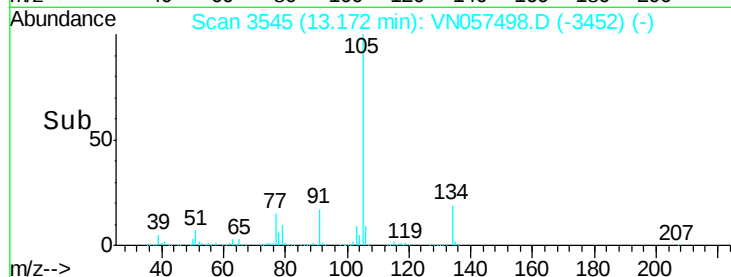
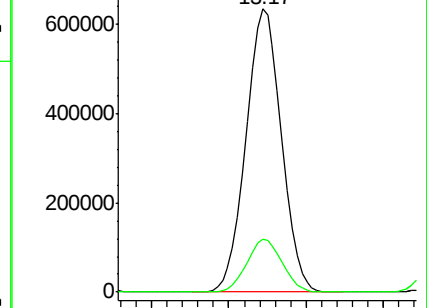
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.338 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

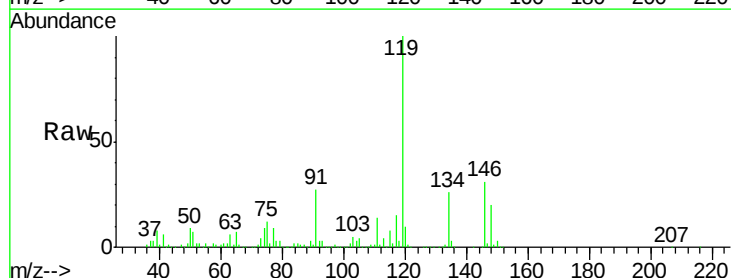
Tgt Ion:119 Resp: 862529

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

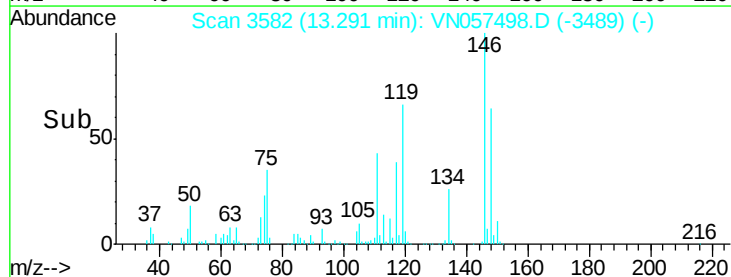
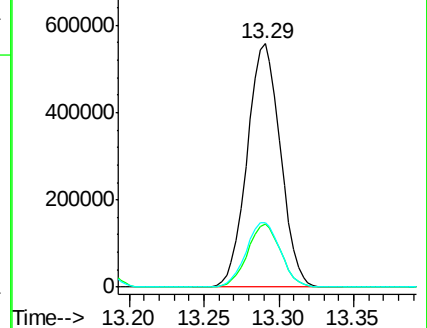
91 27.2 13.9 41.6

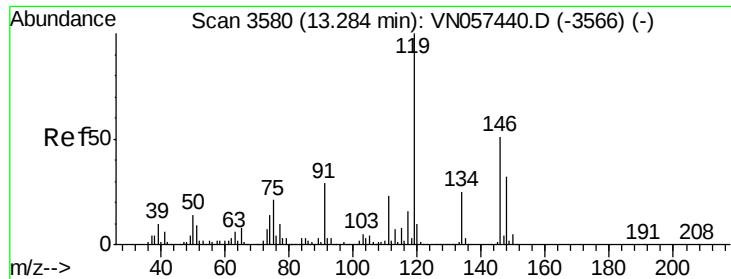


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





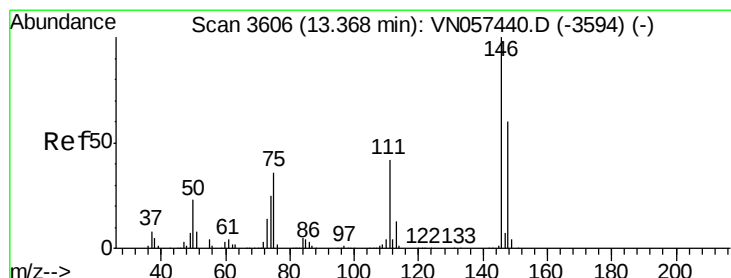
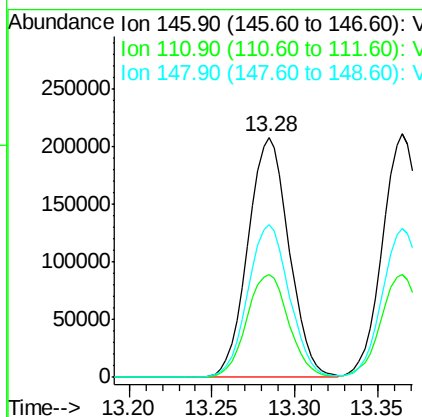
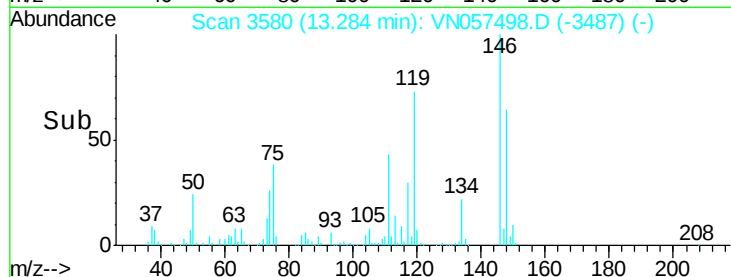
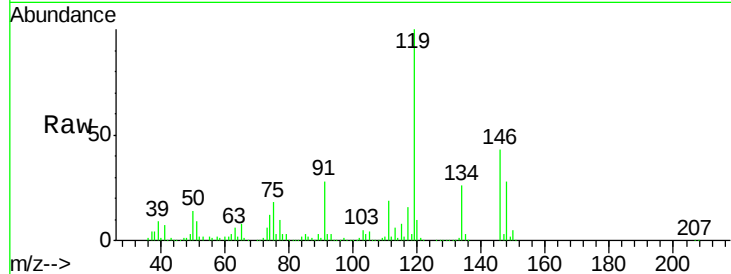
#87
 1,3-Dichlorobenzene
 Concen: 48.549 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	357991		
111	43.7	22.1	66.1	
148	64.1	31.9	95.9	

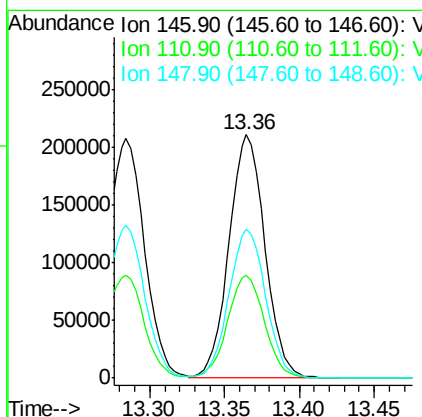
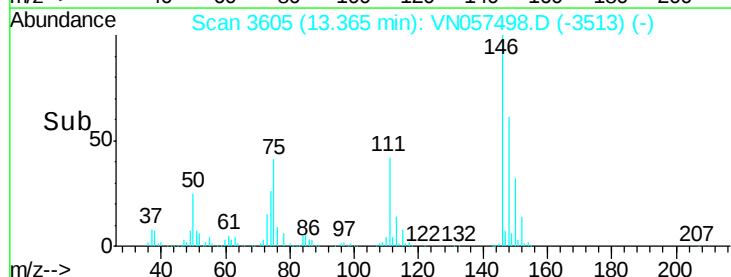
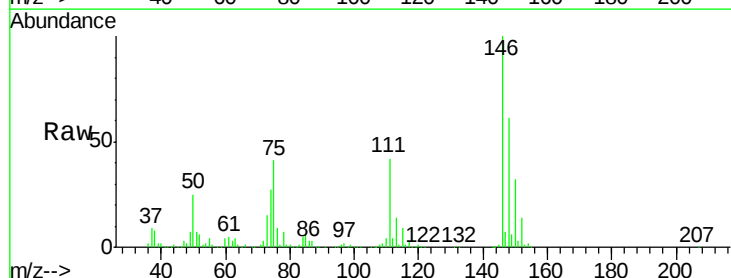
Manual Integrations
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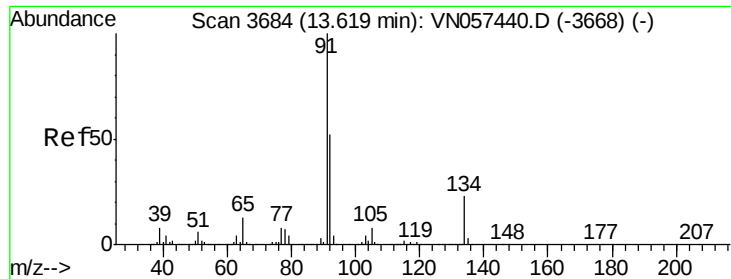
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.952 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	353492		
111	43.2	21.9	65.5	
148	62.5	31.1	93.2	





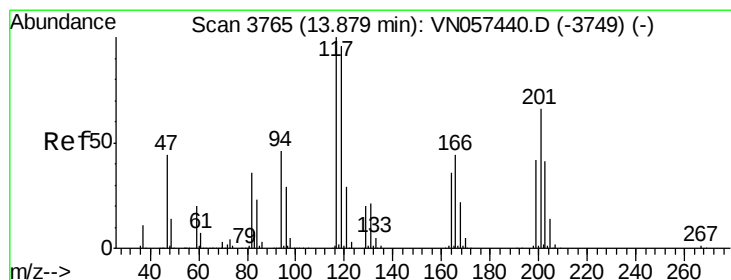
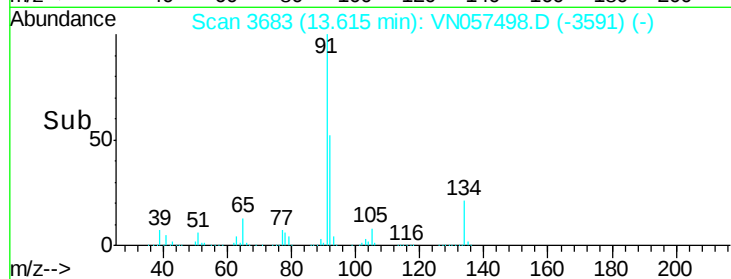
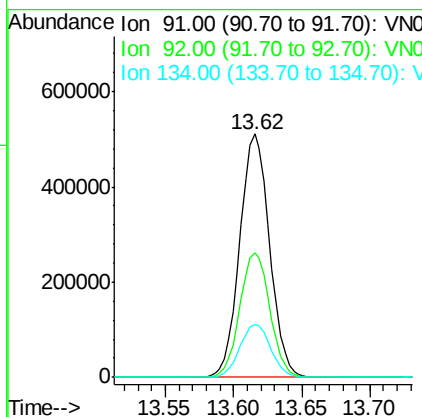
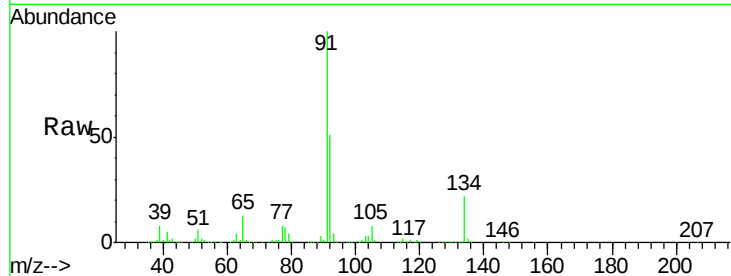
#89
n-Butylbenzene
Concen: 51.301 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.0
134	22.5	11.4	34.1

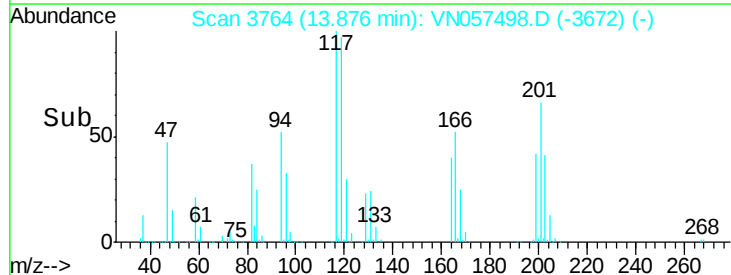
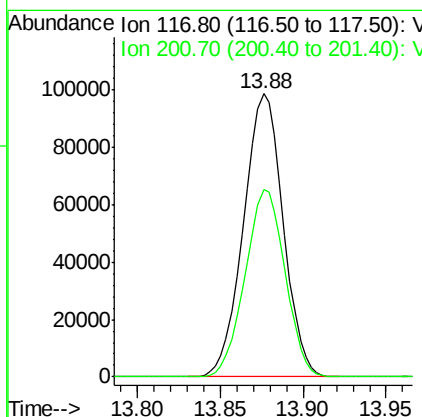
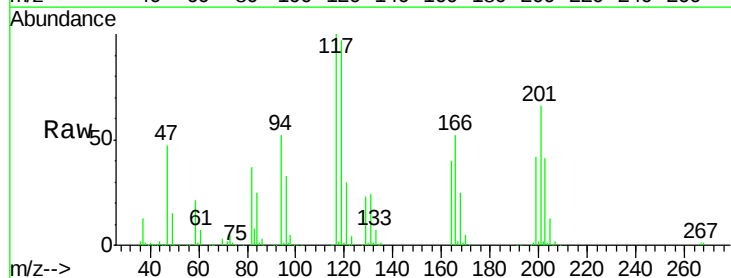
Manual Integrations
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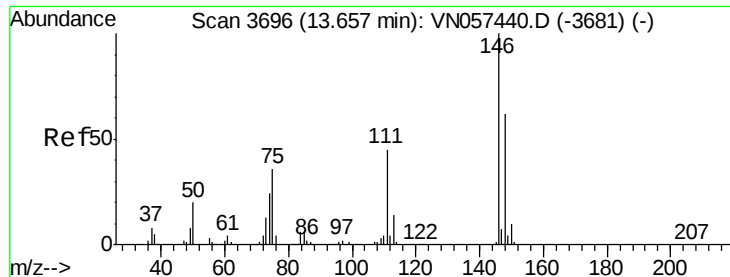
MMDadoda
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#90
Hexachloroethane
Concen: 49.007 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057498.D
Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.1	99.3





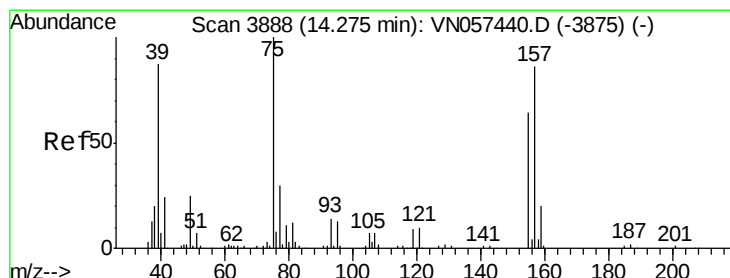
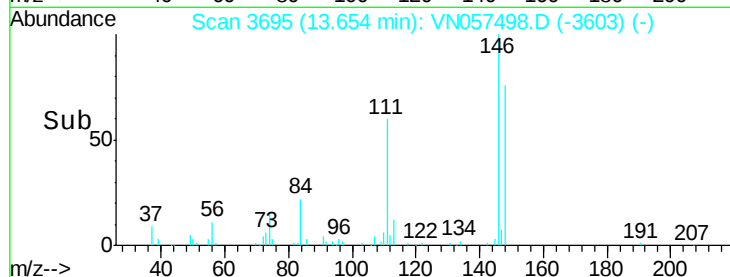
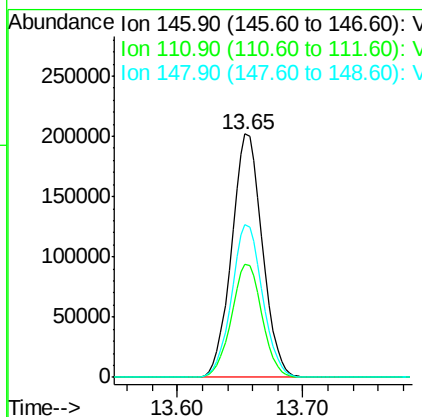
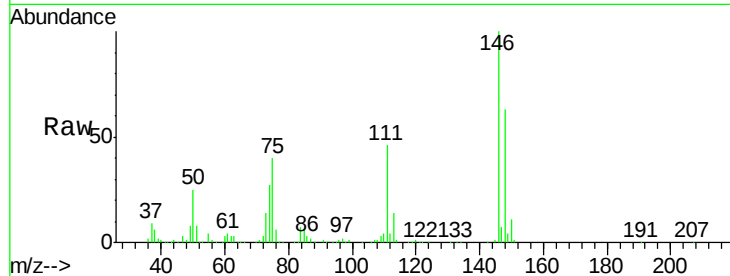
#91
 1,2-Dichlorobenzene
 Concen: 48.618 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.1	69.2
148	63.1	31.8	95.4

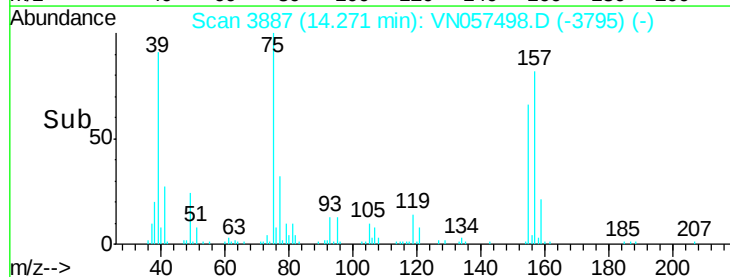
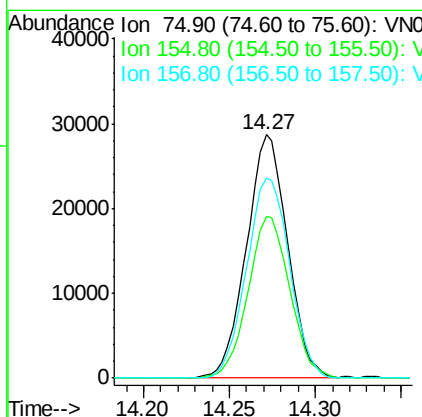
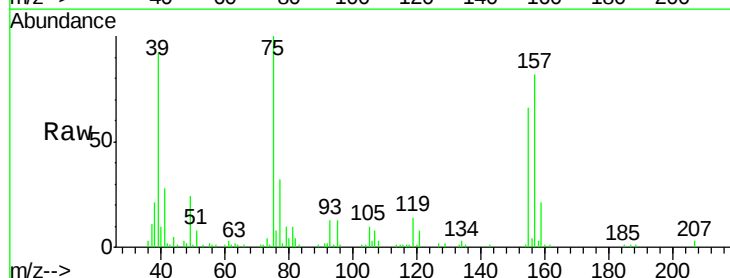
Manual Integrations
 APPROVED

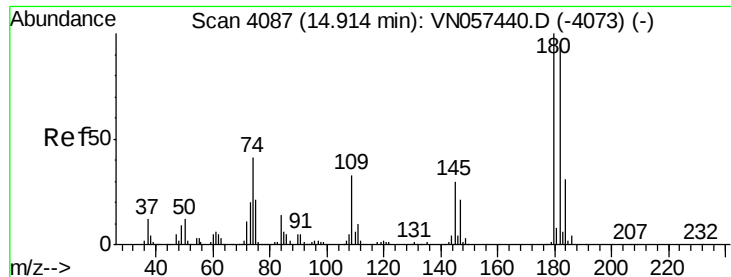
MMDadoda
 8/27/2019 5:30:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.605 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.2	31.6	94.7
157	85.9	43.3	129.8





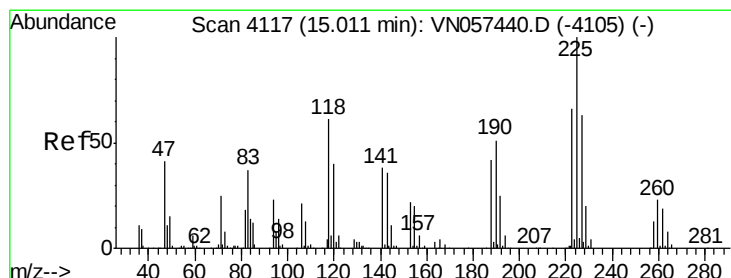
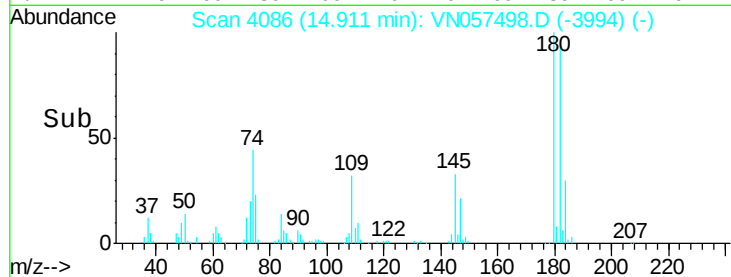
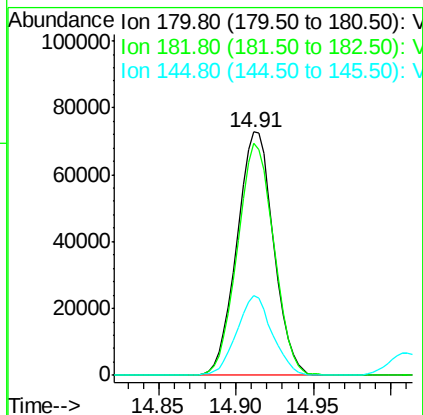
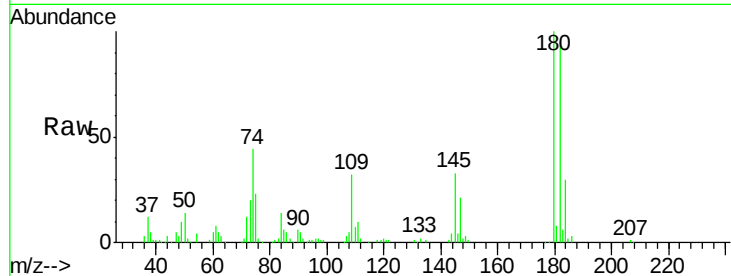
#93
 1,2,4-Trichlorobenzene
 Concen: 42.955 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	119924
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.7	140.1
145	31.8	15.6	46.8

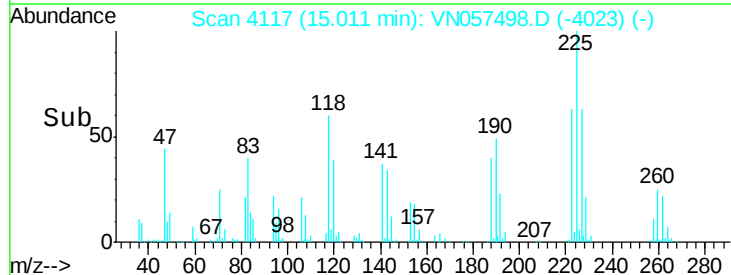
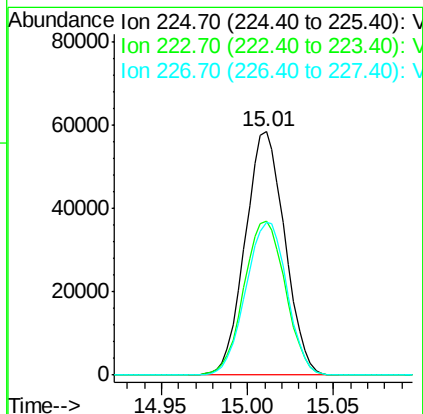
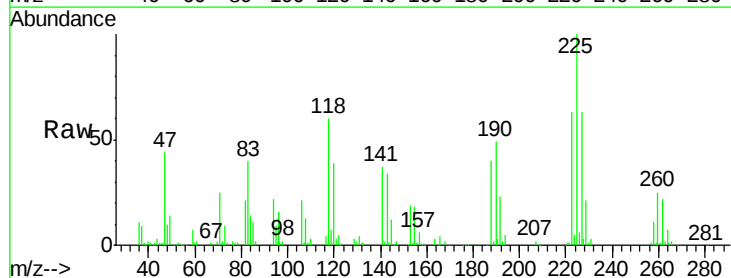
Manual Integrations
 APPROVED

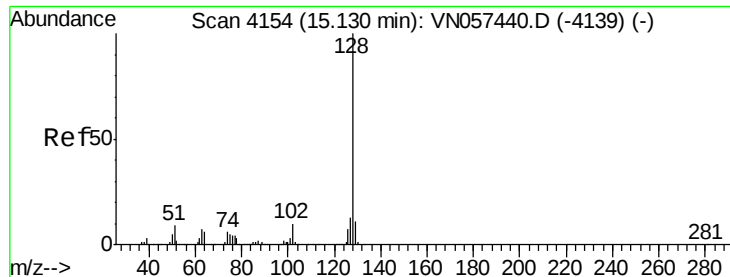
MMDadoda
 8/27/2019 5:30:15 PM



#94
 Hexachlorobutadiene
 Concen: 52.171 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057498.D
 Acq: 26 Aug 2019 9:15

Tgt Ion:	225	Resp:	93299
Ion Ratio	Lower	Upper	
225	100		
223	66.2	32.0	96.2
227	65.0	31.5	94.5





#95

Naphthalene

Concen: 41.635 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Instrument :

MSVOA_N

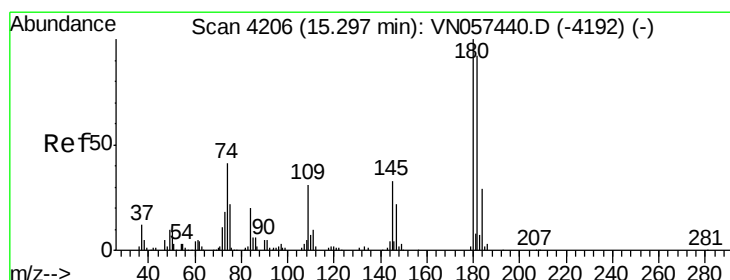
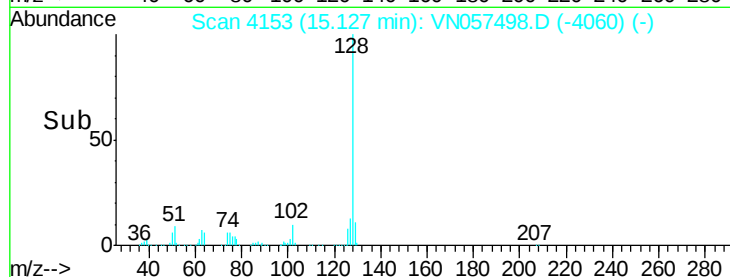
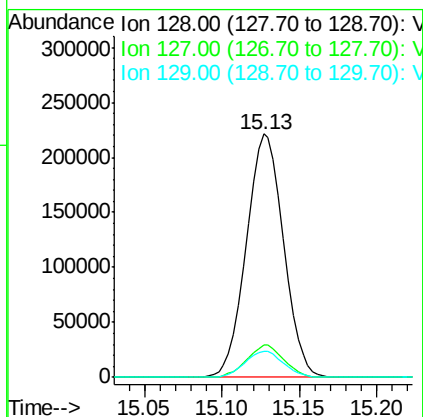
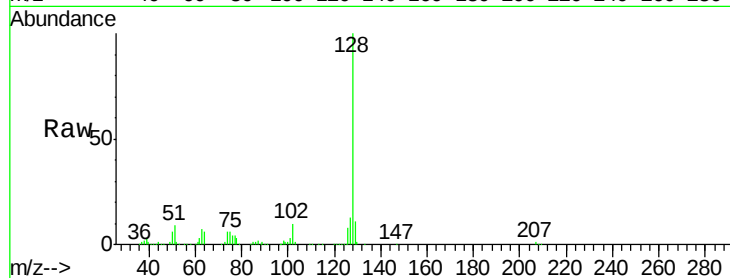
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	370893
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.221 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057498.D

Acq: 26 Aug 2019 9:15

Tgt Ion:	180	Resp:	120801
Ion Ratio	Lower	Upper	
180	100		
182	94.2	46.7	140.1
145	33.1	16.8	50.3

