

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057115.D
 Acq On : 7 Aug 2019 20:08
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:29 PM

Quant Time: Aug 08 05:28:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1272038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1883462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1680305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	685607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	642620	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	6.99	113	586767	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	9.56	98	2249958	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.92	95	739375	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	468530	47.279	ug/l	100
3) Chloromethane	2.00	50	607727	45.825	ug/l	100
4) Vinyl Chloride	2.11	62	589454	46.517	ug/l	100
5) Bromomethane	2.42	94	400691	52.496	ug/l	100
6) Chloroethane	2.55	64	383816	61.547	ug/l	100
7) Trichlorofluoromethane	2.82	101	861559	49.286	ug/l	100
8) Diethyl Ether	3.14	74	332461	46.626	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	515749	46.601	ug/l	100
10) Methyl Iodide	3.63	142	820836	61.995	ug/l	100
11) Tert butyl alcohol	4.23	59	430162	300.653	ug/l	100
12) 1,1-Dichloroethene	3.43	96	514681	46.399	ug/l	100
13) Acrolein	3.31	56	267946	223.498	ug/l	100
14) Allyl chloride	3.91	41	753843	45.264	ug/l	100
15) Acrylonitrile	4.45	53	1250894	268.529	ug/l	100
16) Acetone	3.47	43	941457	233.515	ug/l	100
17) Carbon Disulfide	3.72	76	1379324	50.827	ug/l	100
18) Methyl Acetate	3.89	43	564752	40.484	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1574575	48.472	ug/l	100
20) Methylene Chloride	4.10	84	602162	47.264	ug/l	100
21) trans-1,2-Dichloroethene	4.51	96	557195	47.675	ug/l	100
22) Diisopropyl ether	5.31	45	1636781	46.805	ug/l	100
23) Vinyl Acetate	5.26	43	6516338	249.528	ug/l	100
24) 1,1-Dichloroethane	5.25	63	1002489	46.568	ug/l	100
25) 2-Butanone	6.20	43	1515982	263.603	ug/l	100
26) 2,2-Dichloropropane	6.21	77	747281	45.539	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	651646	47.762	ug/l	100
28) Bromochloromethane	6.58	49	466887	49.013	ug/l	100
29) Tetrahydrofuran	6.60	42	993977	265.665	ug/l	100
30) Chloroform	6.76	83	1012866	46.943	ug/l	100
31) Cyclohexane	7.07	56	873538	45.836	ug/l	100
32) 1,1,1-Trichloroethane	6.98	97	880182	48.929	ug/l	100
36) 1,1-Dichloropropene	7.20	75	759419	46.418	ug/l	100
37) Ethyl Acetate	6.28	43	620077	49.720	ug/l #	100
38) Carbon Tetrachloride	7.19	117	775457	49.197	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	899492	47.503	ug/l	100
40) Benzene	7.46	78	2348605	46.512	ug/l	100
41) Methacrylonitrile	6.55	41	329087	62.713	ug/l	100
42) 1,2-Dichloroethane	7.54	62	750059	47.451	ug/l	100
43) Isopropyl Acetate	7.56	43	1049915	46.158	ug/l	100
44) Trichloroethene	8.27	130	655903	47.543	ug/l	100
45) 1,2-Dichloropropane	8.56	63	607113	46.493	ug/l	100
46) Dibromomethane	8.65	93	394355	48.499	ug/l	100
47) Bromodichloromethane	8.85	83	783509	50.230	ug/l	100
48) Methyl methacrylate	8.63	41	494482	49.402	ug/l	100
49) 1,4-Dioxane	8.64	88	211029	1037.638	ug/l	100
51) 4-Methyl-2-Pentanone	9.45	43	3127785	275.319	ug/l	100
52) Toluene	9.62	92	1477302	48.189	ug/l	100
53) t-1,3-Dichloropropene	9.85	75	824798	50.407	ug/l	100
54) cis-1,3-Dichloropropene	9.30	75	941443	49.069	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	570008	48.721	ug/l	100
56) Ethyl methacrylate	9.90	69	837156	52.227	ug/l	100
57) 1,3-Dichloropropane	10.19	76	945832	48.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1551310	268.251	ug/l	100
59) 2-Hexanone	10.24	43	2157568	264.716	ug/l	100
60) Dibromochloromethane	10.39	129	630176	51.767	ug/l	100
61) 1,2-Dibromoethane	10.50	107	597239	49.980	ug/l	100
64) Tetrachloroethene	10.11	164	666362	47.139	ug/l	100
65) Chlorobenzene	10.93	112	1624249	47.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	613440	49.078	ug/l	100
67) Ethyl Benzene	11.01	91	2840404	48.643	ug/l	100
68) m/p-Xylenes	11.13	106	2140485	97.317	ug/l	100
69) o-Xylene	11.46	106	1035315	47.914	ug/l	100
70) Styrene	11.47	104	1711822	49.679	ug/l	100
71) Bromoform	11.64	173	465873	52.767	ug/l	100
73) Isopropylbenzene	11.76	105	2793744	50.160	ug/l	100
74) N-amyl acetate	11.58	43	814478	49.829	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	769783	49.135	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	674967m	52.147	ug/l	
77) Bromobenzene	12.04	156	723983	48.811	ug/l	100
78) n-propylbenzene	12.11	91	2986801	52.290	ug/l	100
79) 2-Chlorotoluene	12.19	91	1811777	49.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2337923	50.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	218753	53.317	ug/l	100
82) 4-Chlorotoluene	12.29	91	1721028	50.218	ug/l	100
83) tert-Butylbenzene	12.52	119	2037779	49.564	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	2247643	50.536	ug/l	100
85) sec-Butylbenzene	12.70	105	2615255	51.530	ug/l	100
86) p-Isopropyltoluene	12.82	119	2329805	51.939	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	1103239	48.164	ug/l	100
88) 1,4-Dichlorobenzene	12.89	146	1049722	47.653	ug/l	100
89) n-Butylbenzene	13.15	91	1719380	50.152	ug/l	100
90) Hexachloroethane	13.41	117	401762	51.690	ug/l	100
91) 1,2-Dichlorobenzene	13.18	146	1081791	47.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	108802	48.904	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	408161	39.922	ug/l	100
94) Hexachlorobutadiene	14.55	225	427873	47.050	ug/l	100
95) Naphthalene	14.67	128	902605	43.376	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	406869	38.857	ug/l	100

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

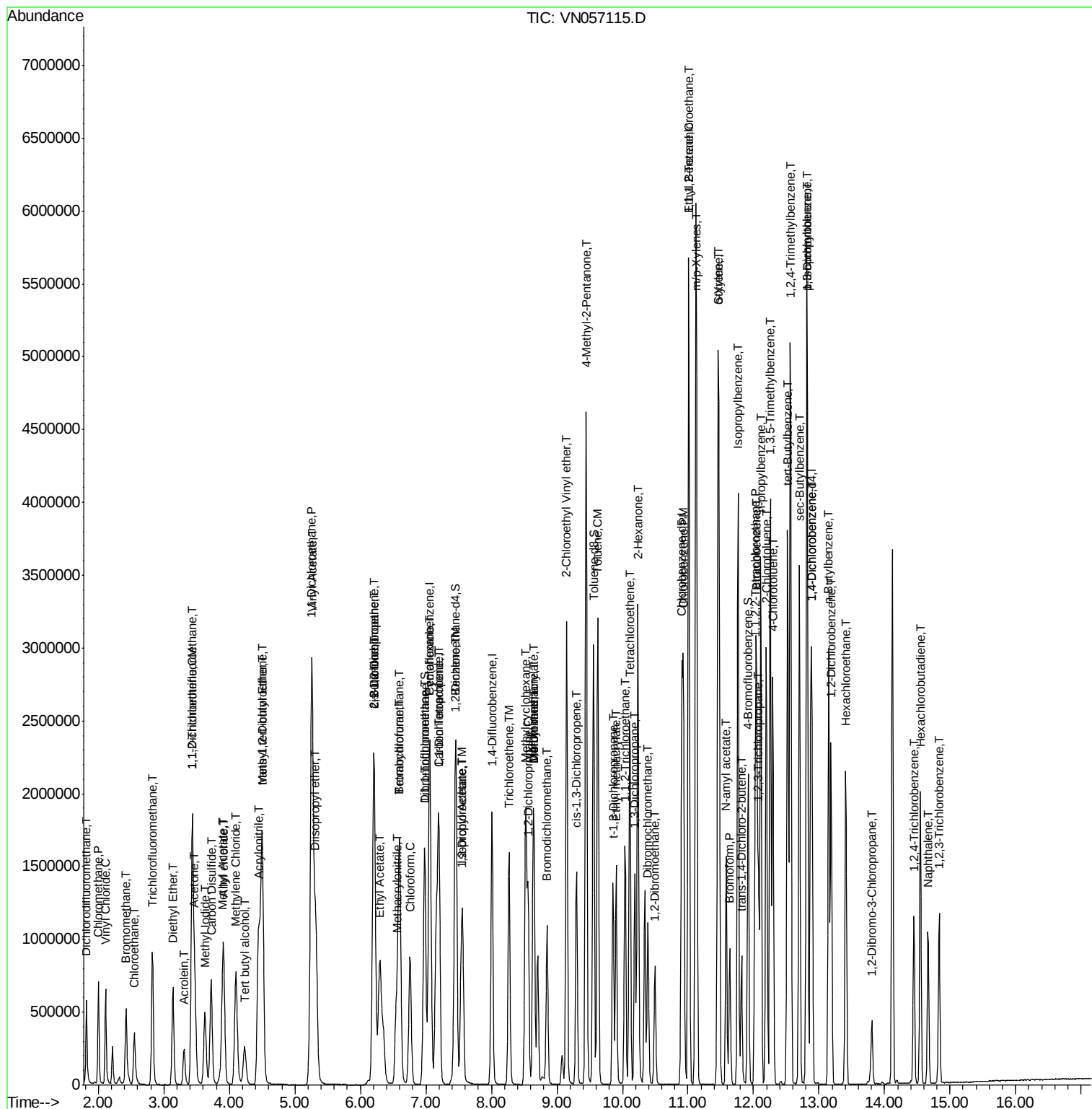
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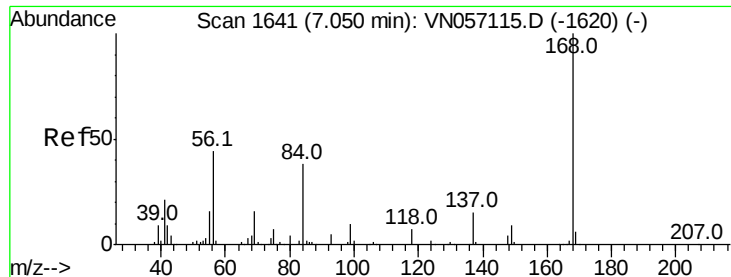
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1272038

Ion Ratio Lower Upper

168 100

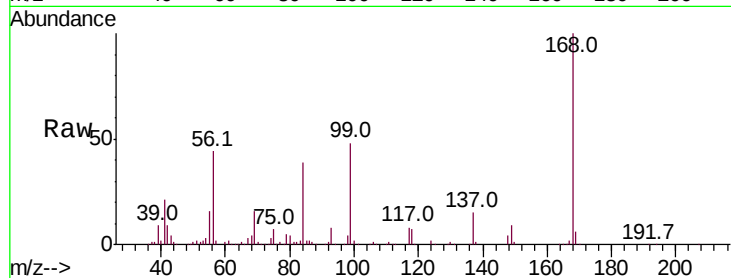
99 48.2 38.6 57.8

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

7.05

600000

500000

400000

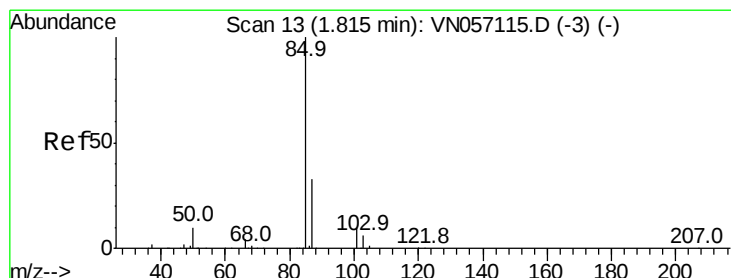
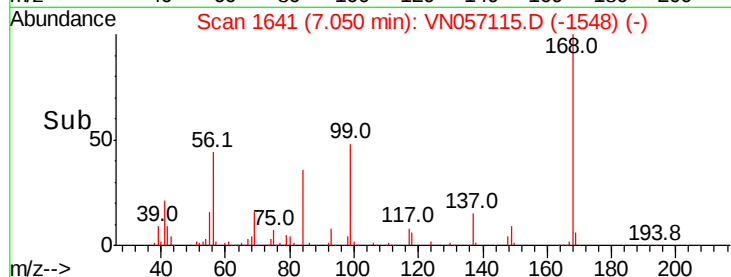
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 47.279 ug/l

RT: 1.82 min Scan# 13

Delta R.T. 0.00 min

Lab File: VN057115.D

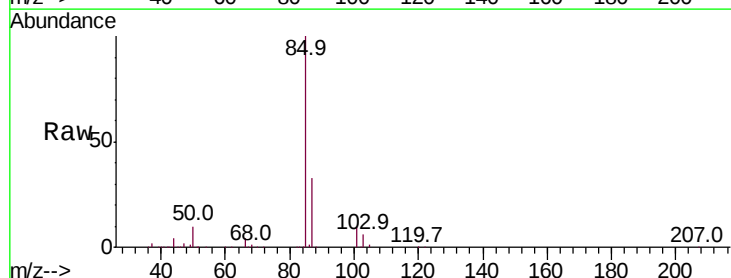
Acq: 7 Aug 2019 20:08

Tgt Ion: 85 Resp: 468530

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

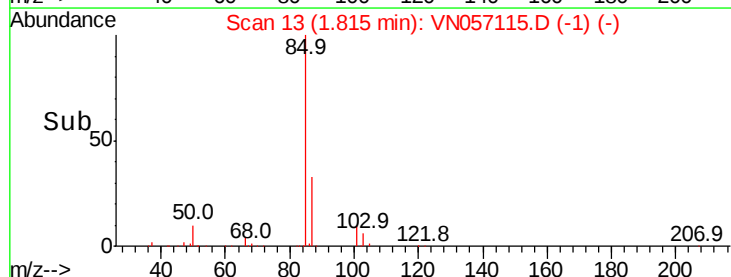
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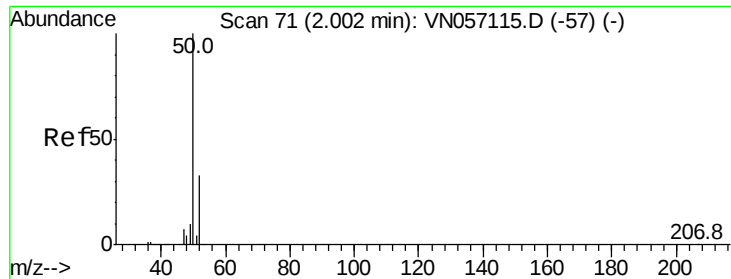
200000

100000

0

Time--> 1.80 1.90





#3

Chloromethane

Concen: 45.825 ug/l

RT: 2.00 min Scan# 71

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 607727

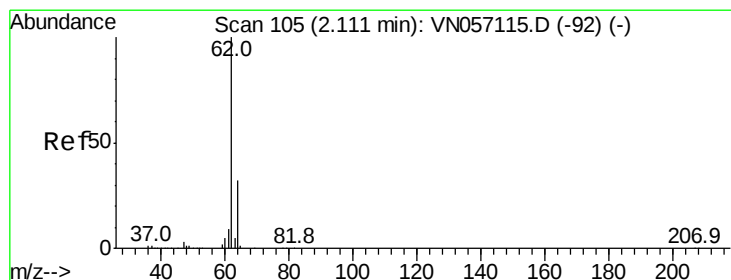
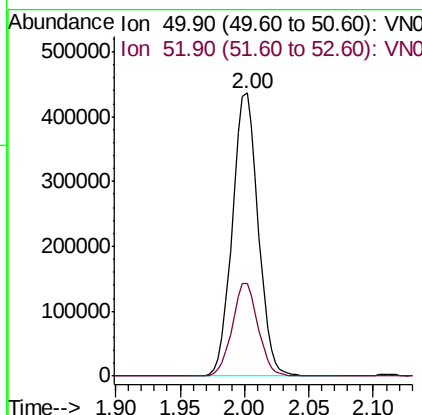
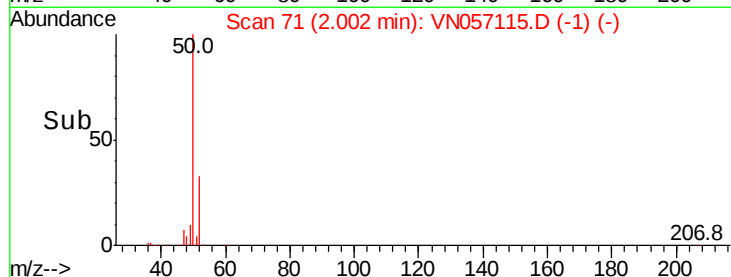
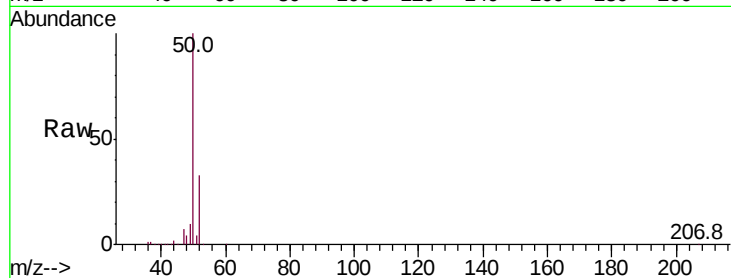
Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.517 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057115.D

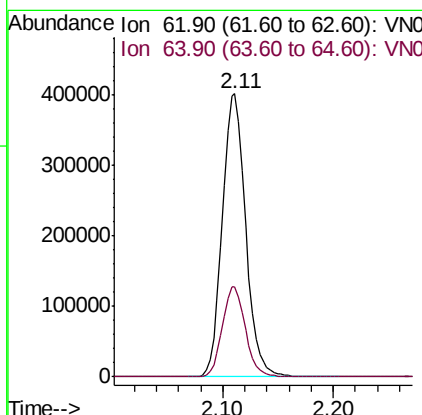
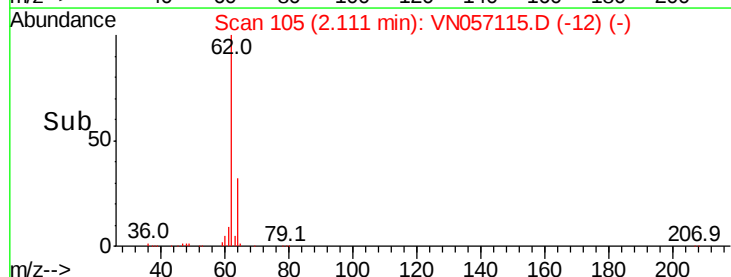
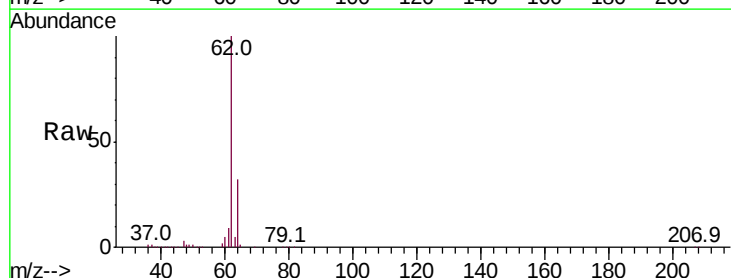
Acq: 7 Aug 2019 20:08

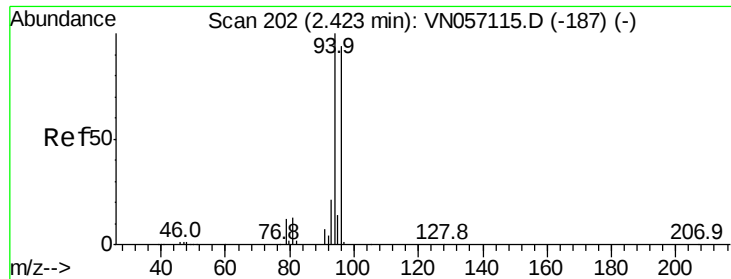
Tgt Ion: 62 Resp: 589454

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 52.496 ug/l

RT: 2.42 min Scan# 202

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 400691

Ion Ratio Lower Upper

94 100

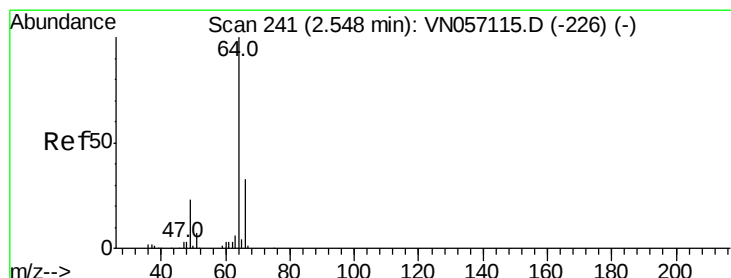
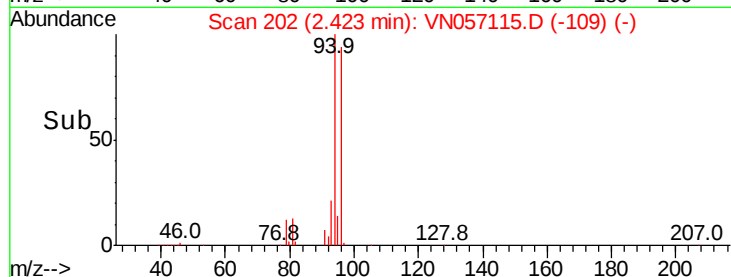
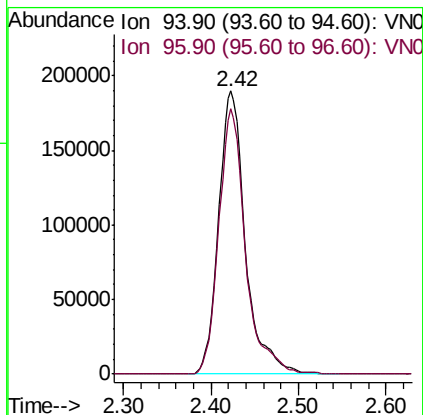
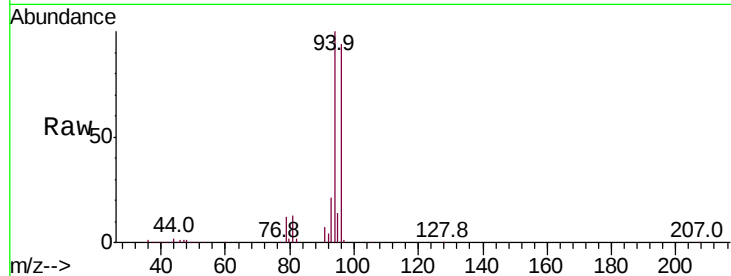
96 93.7 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 61.547 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057115.D

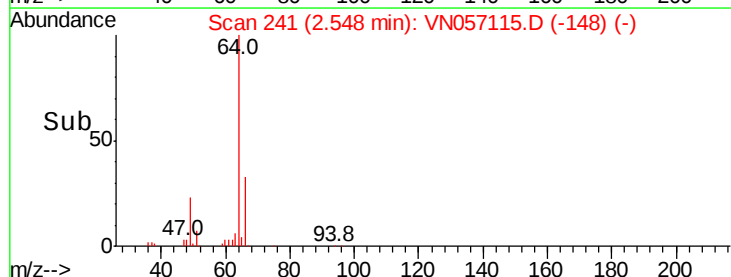
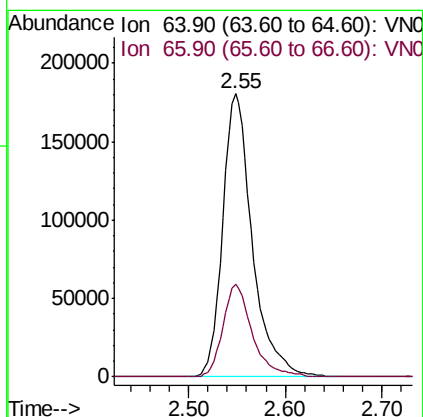
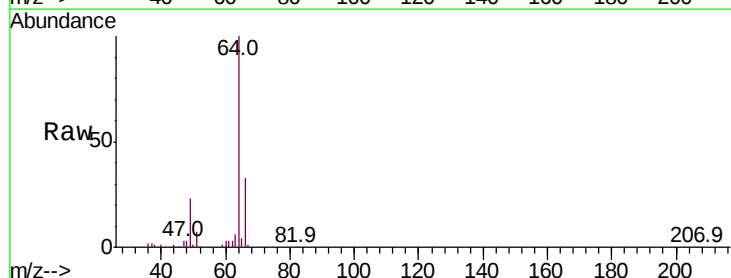
Acq: 7 Aug 2019 20:08

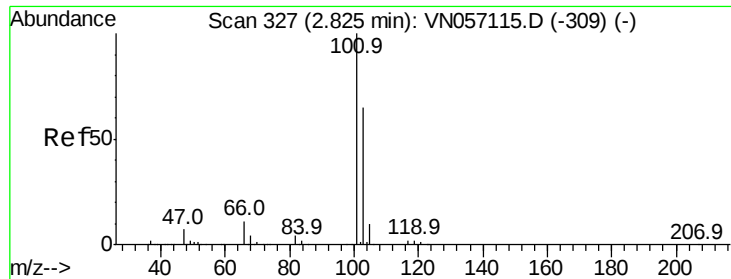
Tgt Ion: 64 Resp: 383816

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4





#7

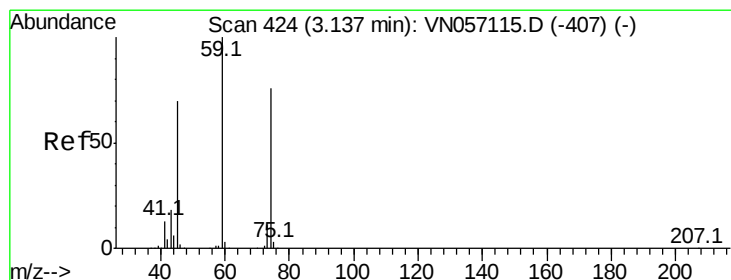
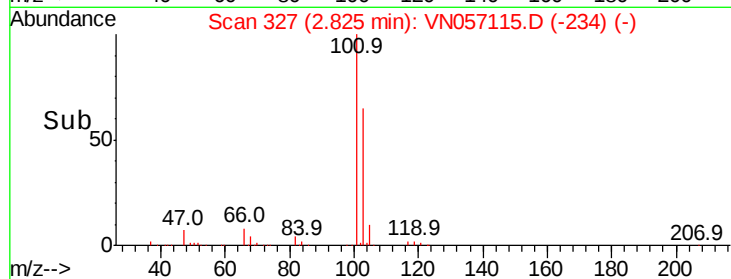
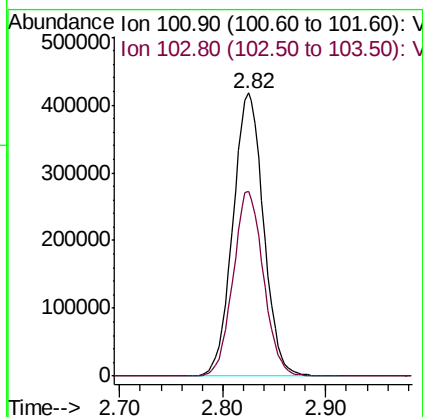
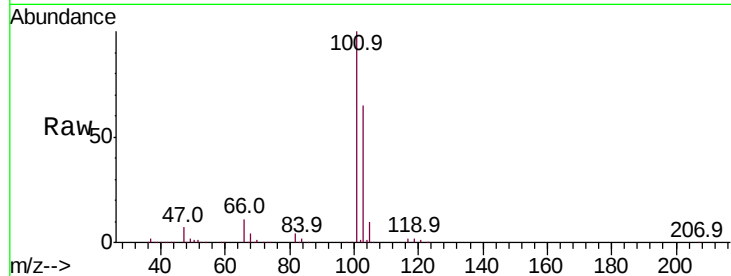
Trichlorofluoromethane
Concen: 49.286 ug/l
RT: 2.82 min Scan# 327
Delta R.T. 0.00 min
Lab File: VN057115.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

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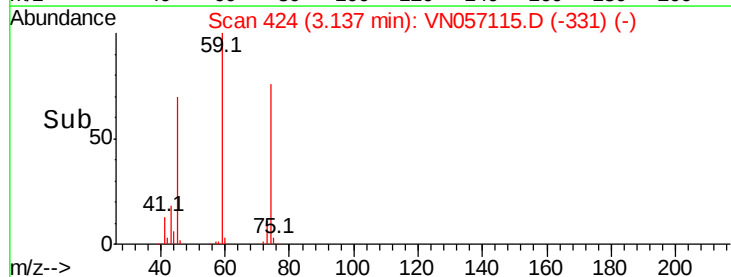
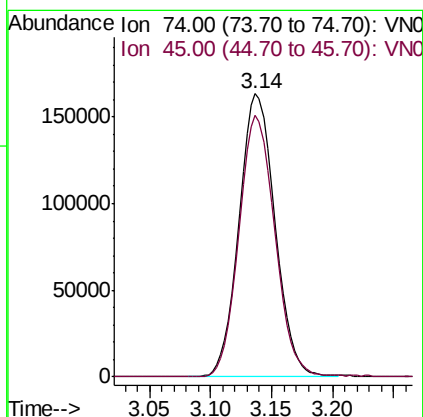
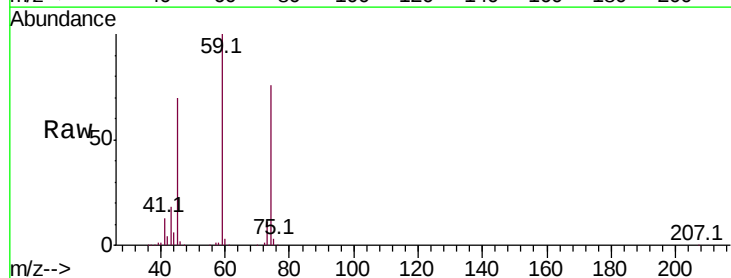
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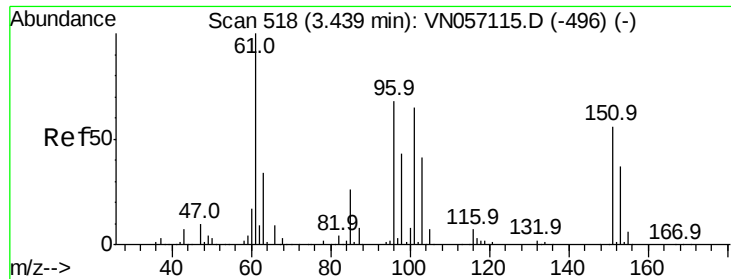


#8

Diethyl Ether
Concen: 46.626 ug/l
RT: 3.14 min Scan# 424
Delta R.T. 0.00 min
Lab File: VN057115.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.601 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

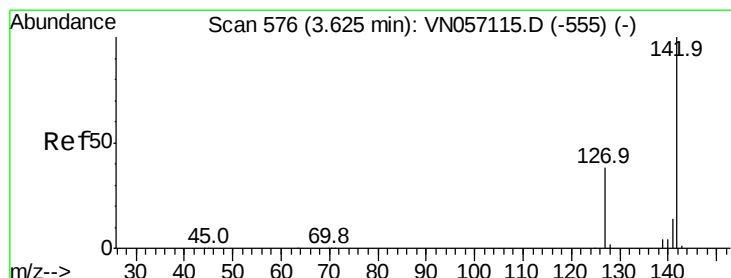
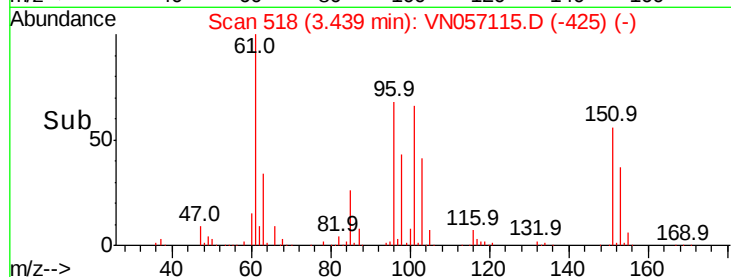
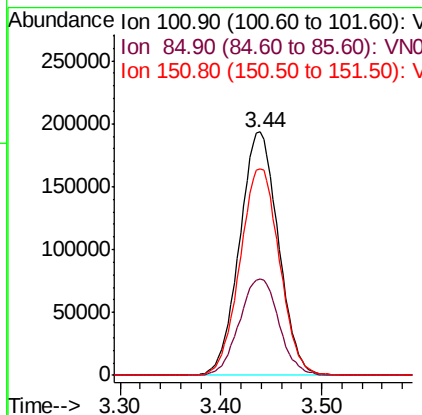
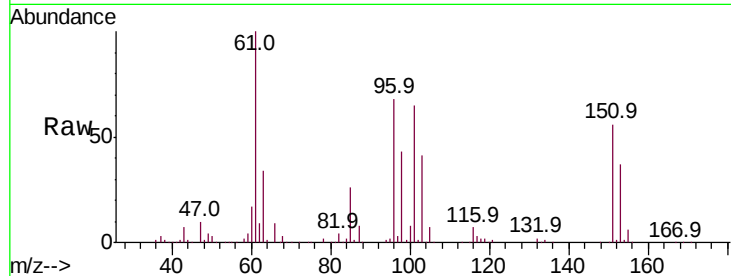
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	515749
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.3	48.5
151	86.7	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 61.995 ug/l

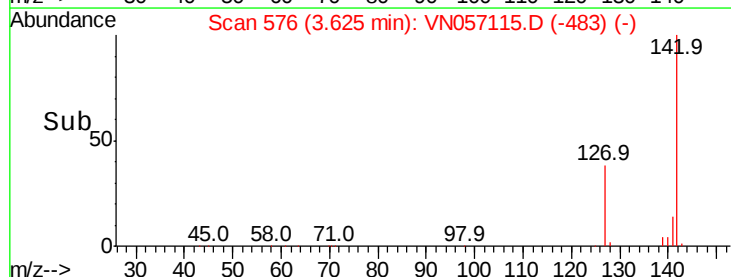
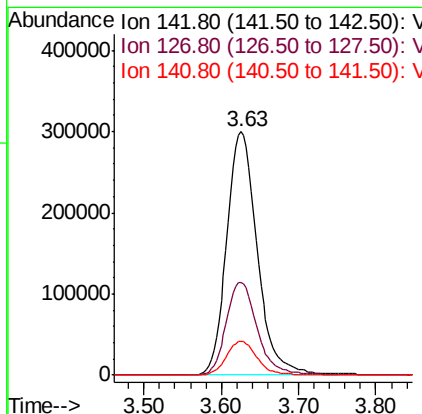
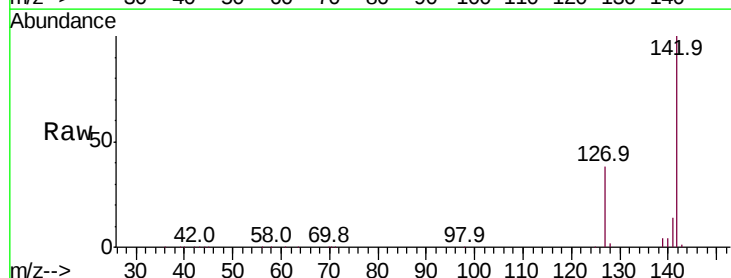
RT: 3.63 min Scan# 576

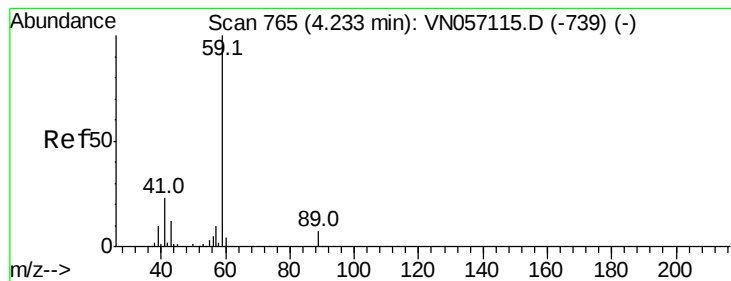
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	142	Resp:	820836
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.6
141	14.0	11.2	16.8





#11

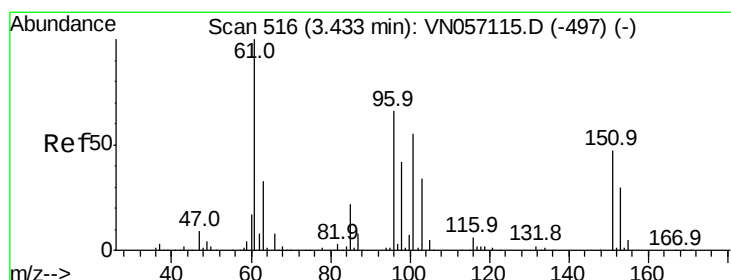
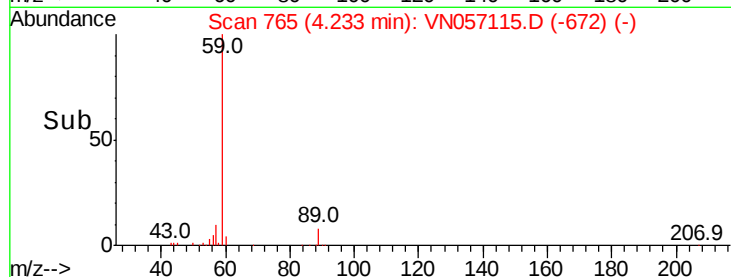
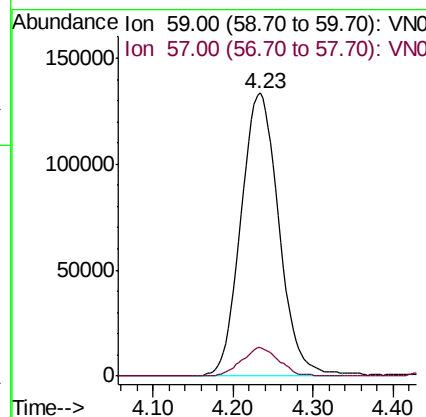
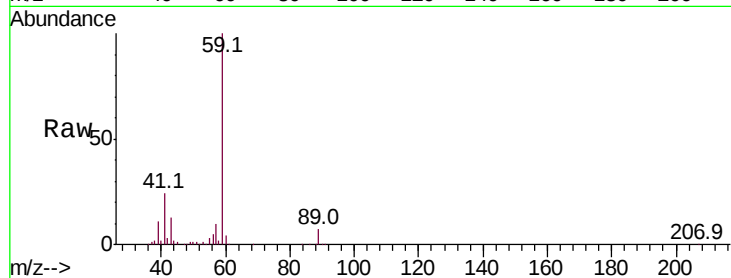
Tert butyl alcohol
 Concen: 300.653 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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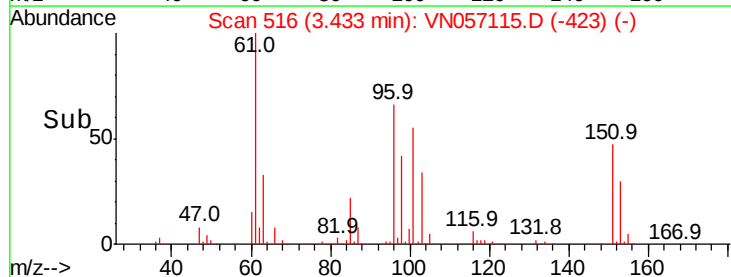
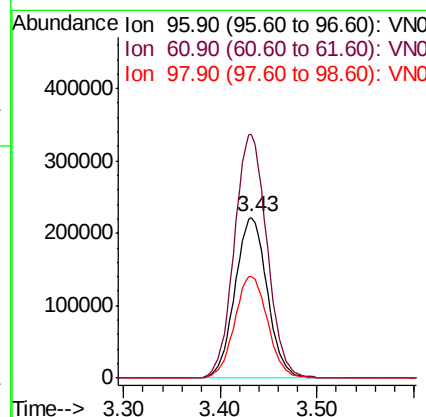
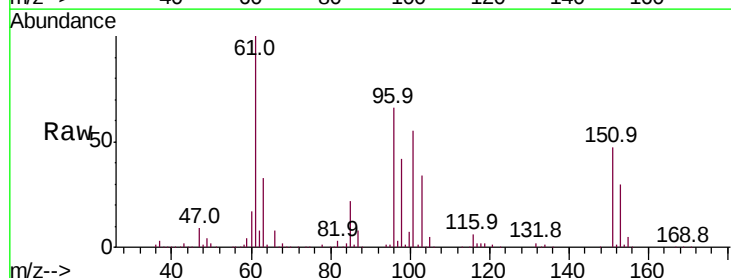
MMDadoda
 8/8/2019 2:40:29 PM

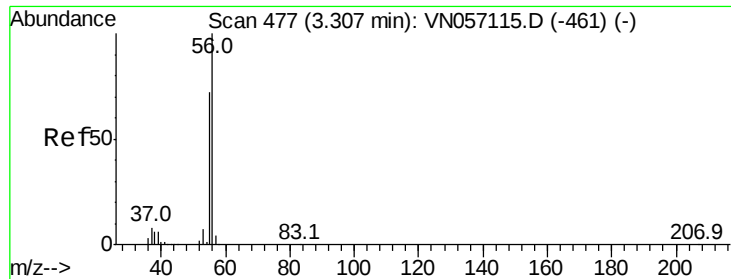


#12

1,1-Dichloroethene
 Concen: 46.399 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.0	181.6
98	63.5	50.8	76.2





#13

Acrolein

Concen: 223.498 ug/l

RT: 3.31 min Scan# 477

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 267946

Ion Ratio Lower Upper

56 100

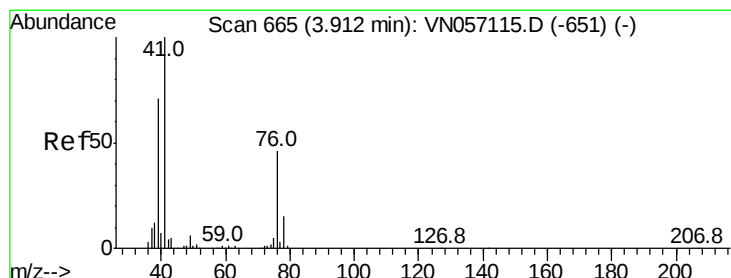
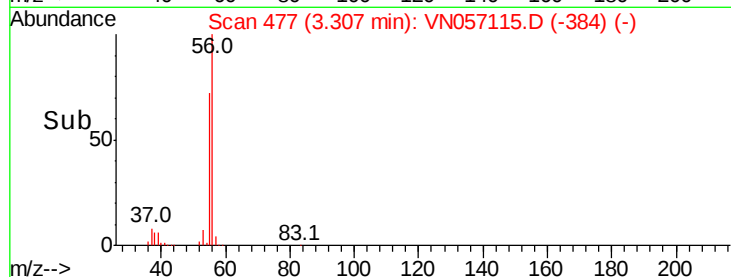
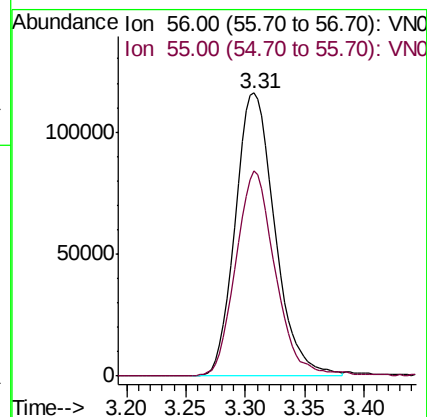
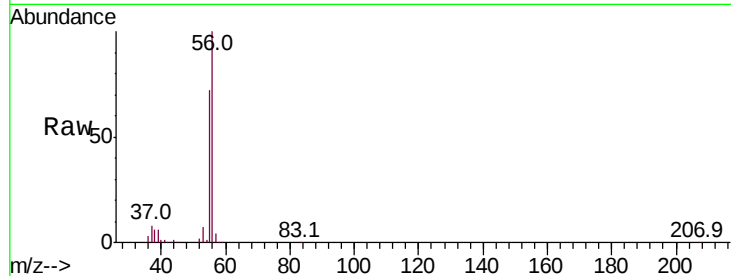
55 72.1 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 45.264 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

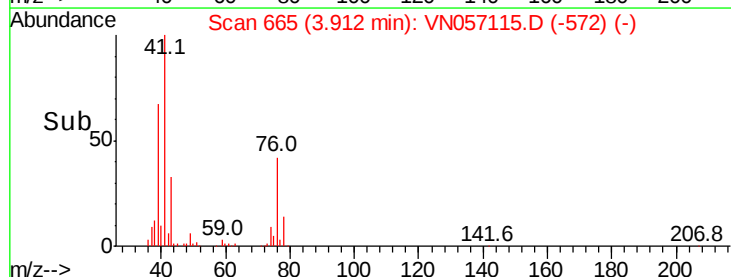
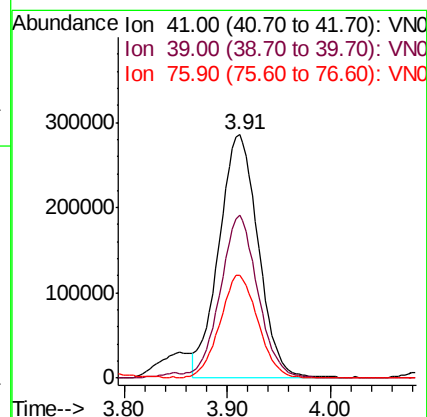
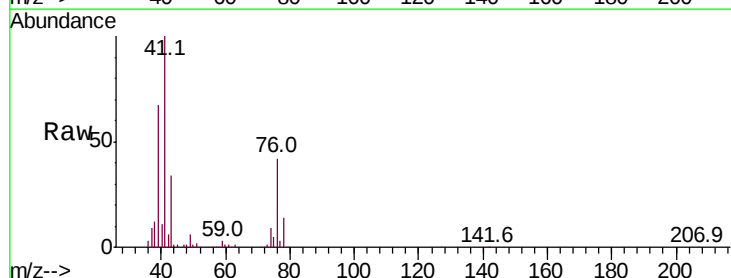
Tgt Ion: 41 Resp: 753843

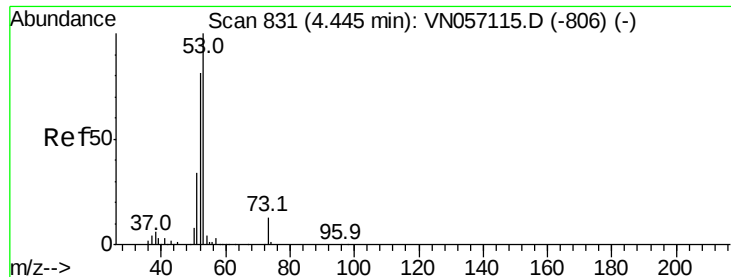
Ion Ratio Lower Upper

41 100

39 63.9 51.1 76.7

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 268.529 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 53 Resp: 1250894

Ion Ratio Lower Upper

53 100

52 81.1 64.9 97.3

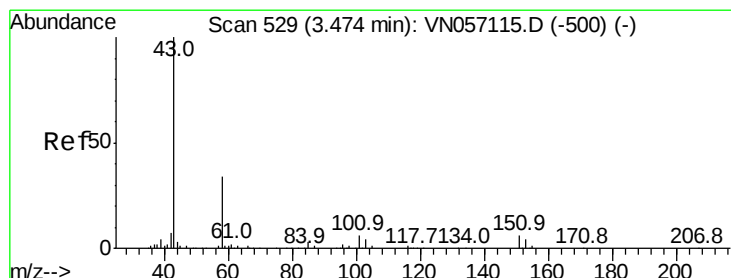
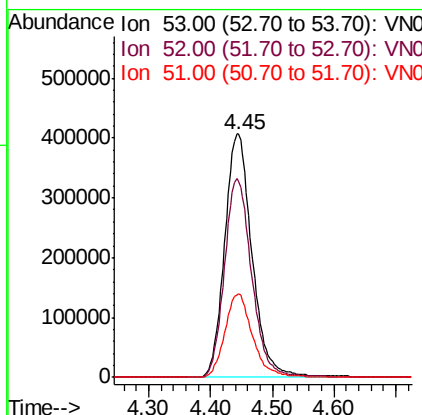
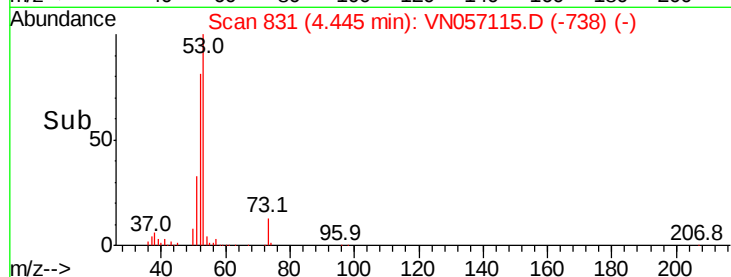
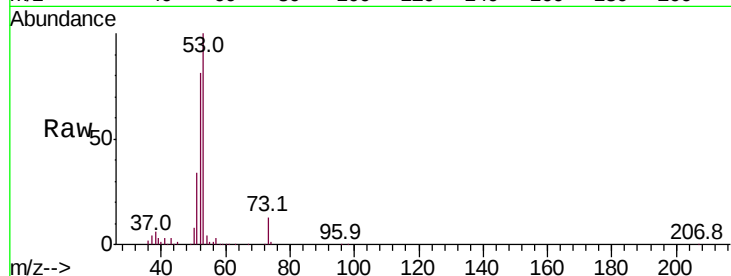
51 34.7 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 233.515 ug/l

RT: 3.47 min Scan# 529

Delta R.T. 0.00 min

Lab File: VN057115.D

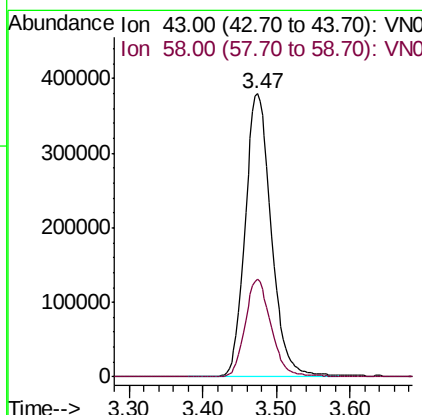
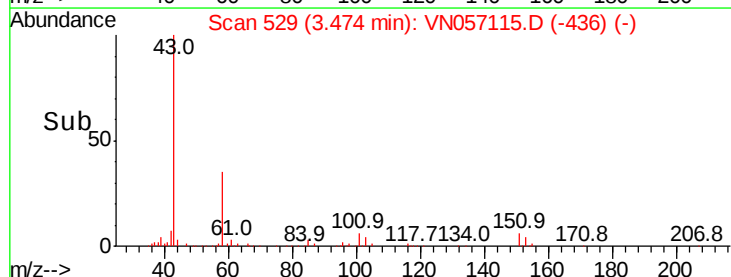
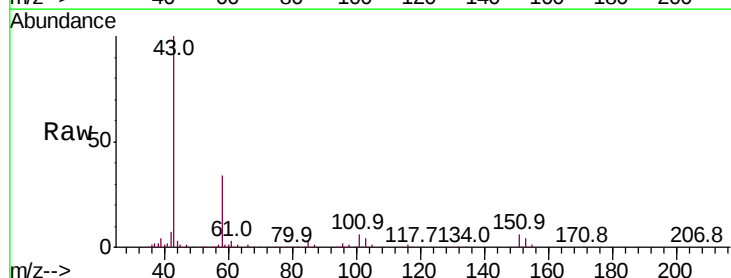
Acq: 7 Aug 2019 20:08

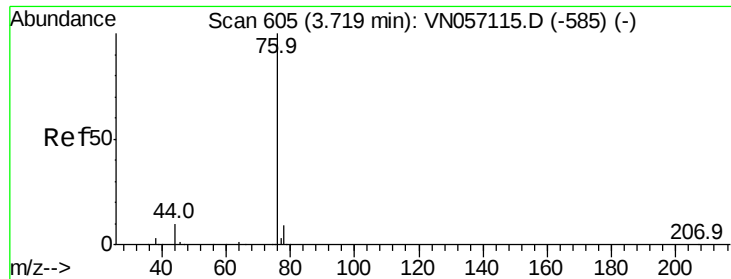
Tgt Ion: 43 Resp: 941457

Ion Ratio Lower Upper

43 100

58 34.3 27.4 41.2





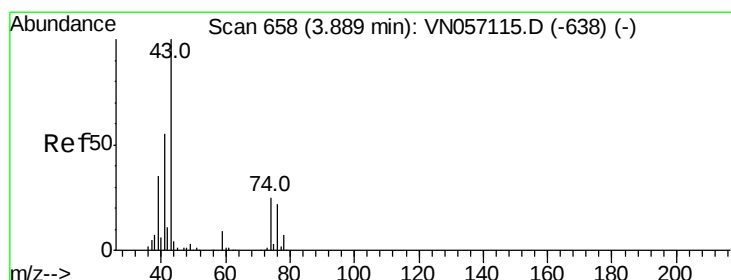
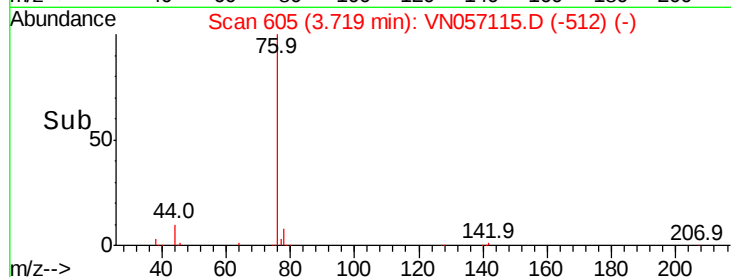
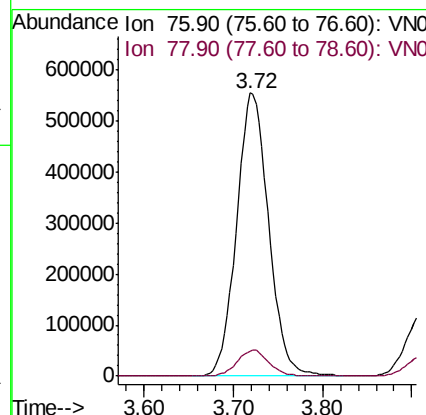
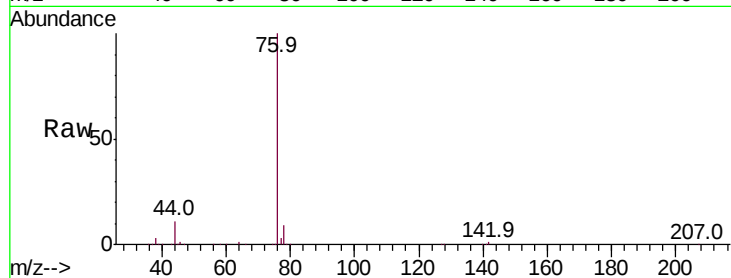
#17
Carbon Disulfide
Concen: 50.827 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1379324
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

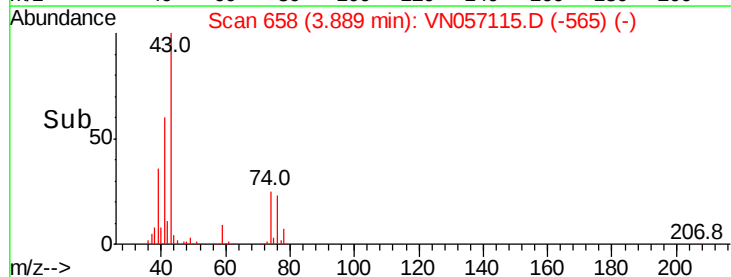
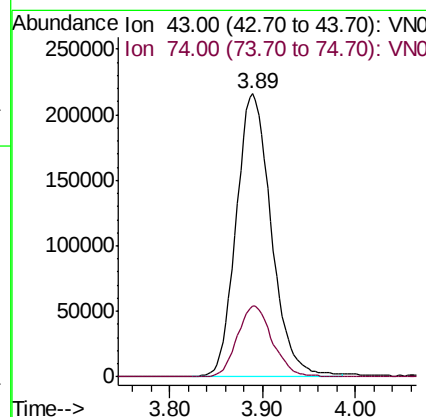
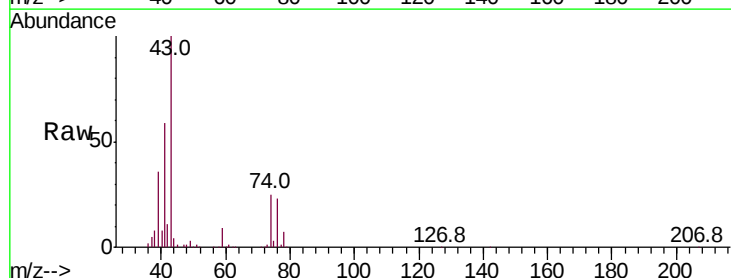
Manual Integrations
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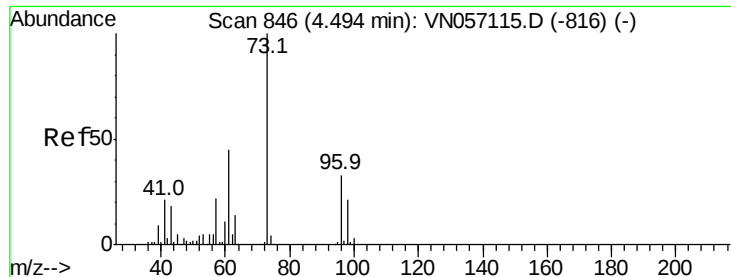
MMDadoda
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#18
Methyl Acetate
Concen: 40.484 ug/l
RT: 3.89 min Scan# 658
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion: 43 Resp: 564752
Ion Ratio Lower Upper
43 100
74 25.3 20.2 30.4





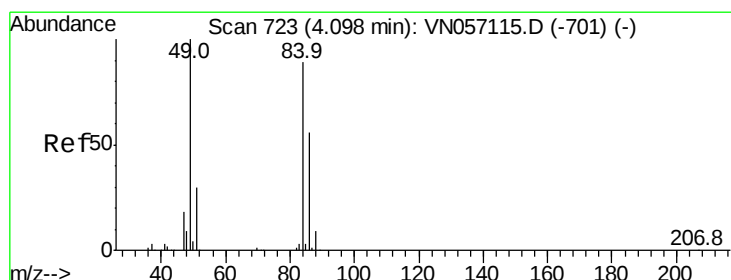
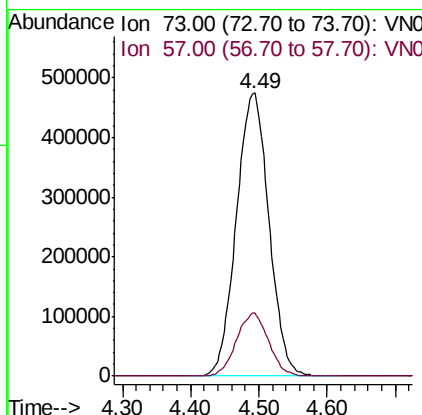
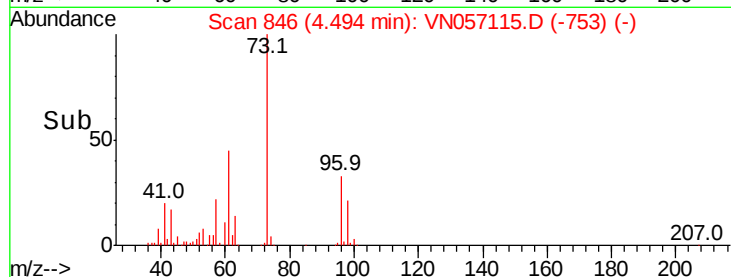
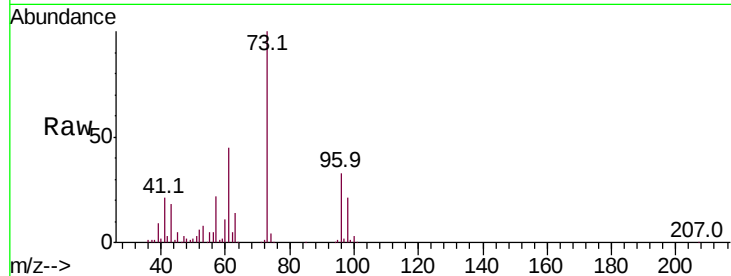
#19
Methvl tert-butvl Ether
Concen: 48.472 ug/l
RT: 4.49 min Scan# 846
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1574575
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

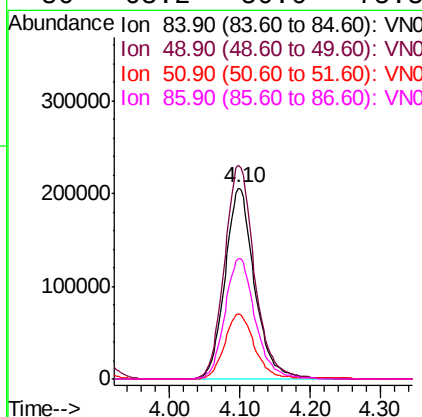
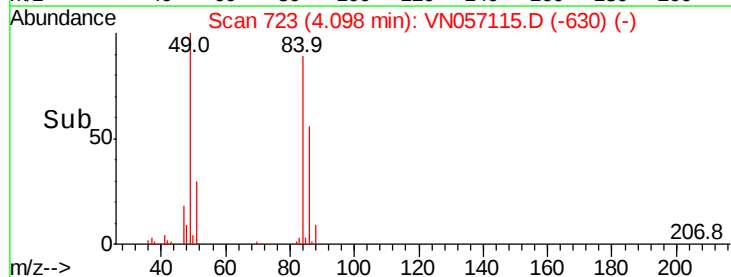
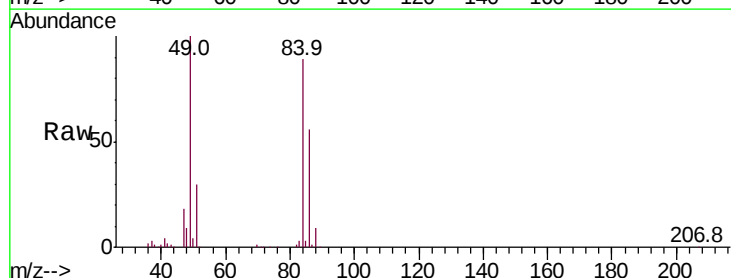
Manual Integrations
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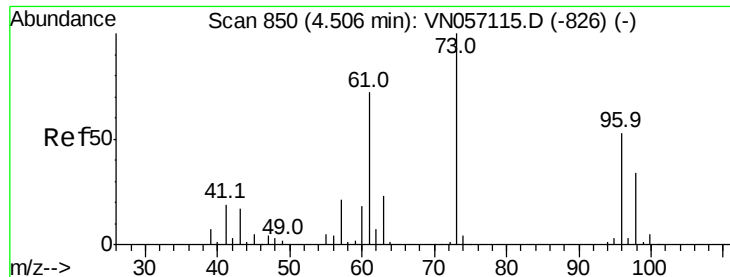
MMDadoda
8/8/2019 2:40:29 PM



#20
Methylene Chloride
Concen: 47.264 ug/l
RT: 4.10 min Scan# 723
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion: 84 Resp: 602162
Ion Ratio Lower Upper
84 100
49 111.9 89.5 134.3
51 34.0 27.2 40.8
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.675 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 557195

Ion Ratio Lower Upper

96 100

61 135.1 108.1 162.1

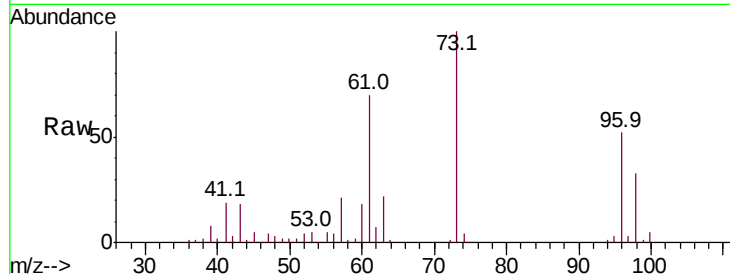
98 63.1 50.5 75.7

Manual Integrations

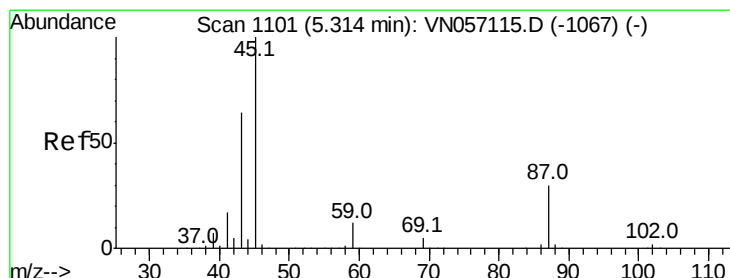
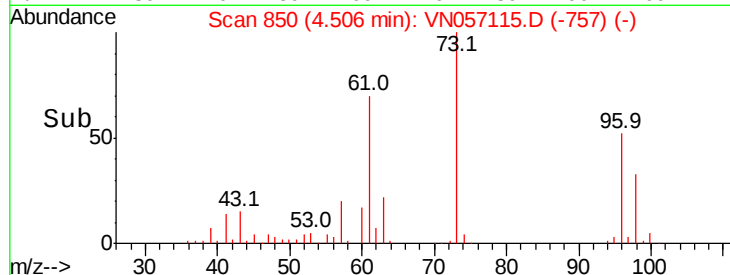
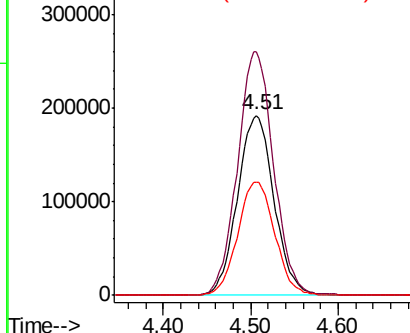
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 46.805 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion: 45 Resp: 1636781

Ion Ratio Lower Upper

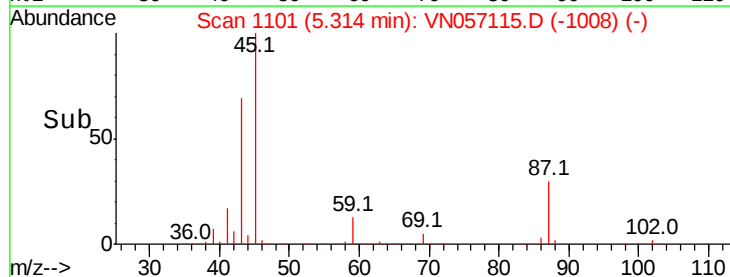
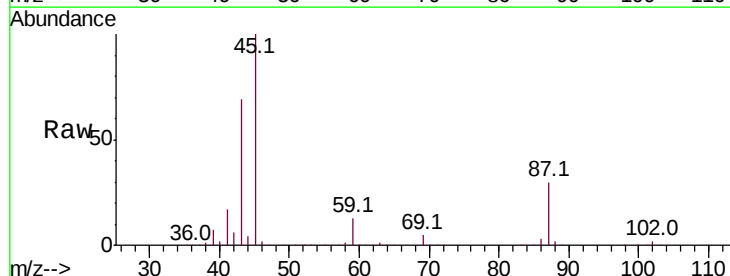
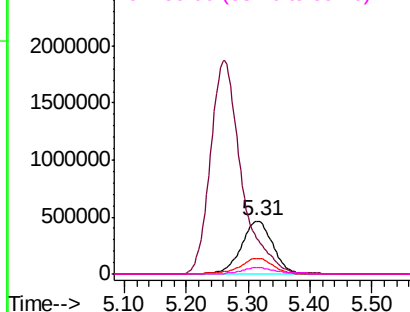
45 100

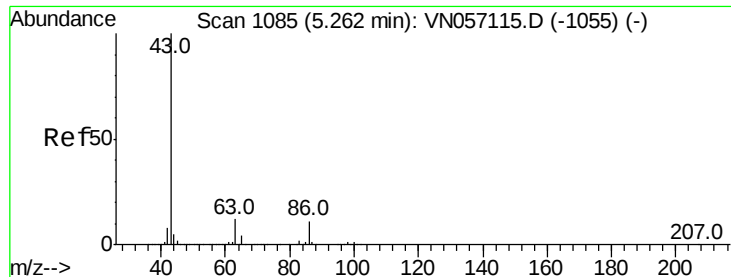
43 67.6 54.1 81.1

87 30.0 24.0 36.0

59 12.5 10.0 15.0

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 249.528 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tot Ion: 43 Resp: 6516338

Ion Ratio Lower Upper

43 100

86 11.5 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

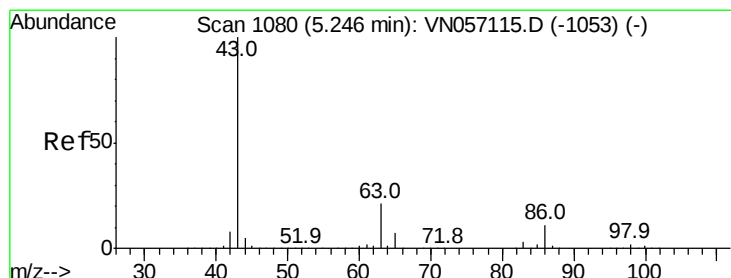
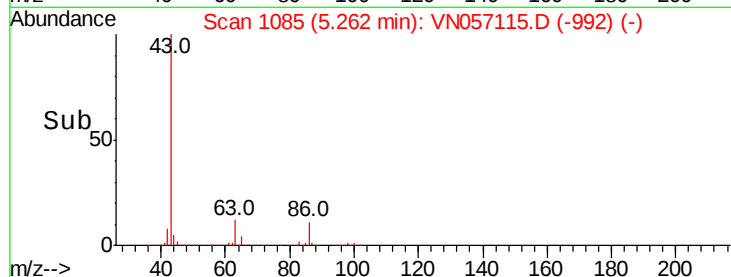
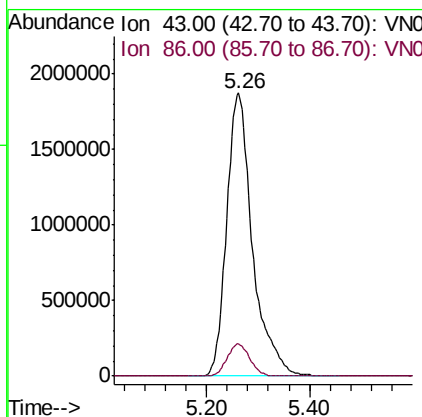
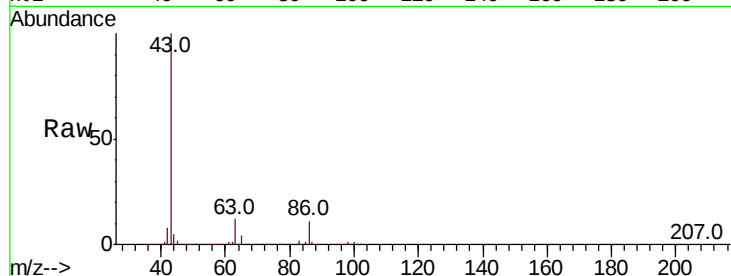
VSTDICCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.568 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

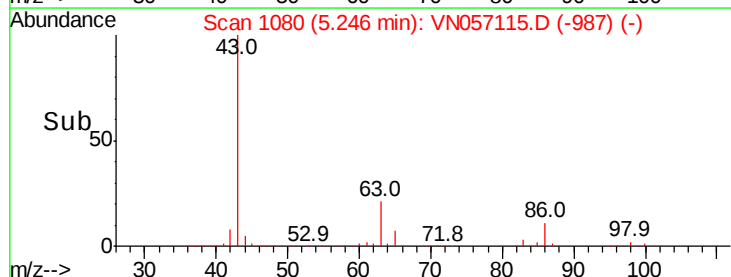
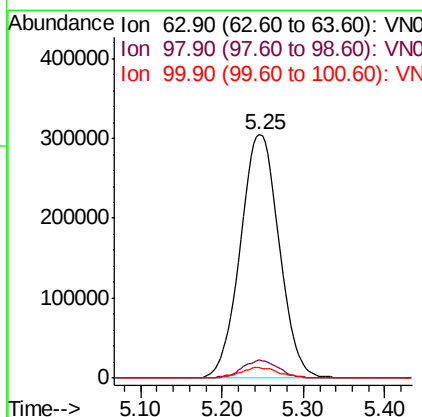
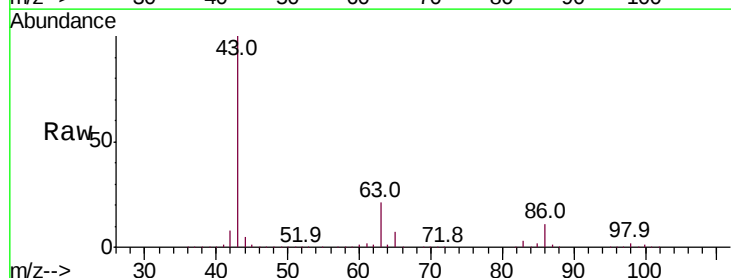
Tgt Ion: 63 Resp: 1002489

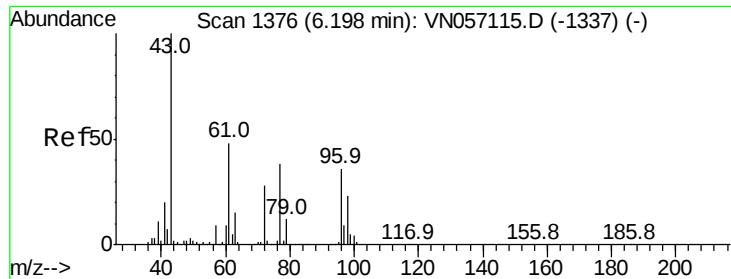
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 263.603 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1515982

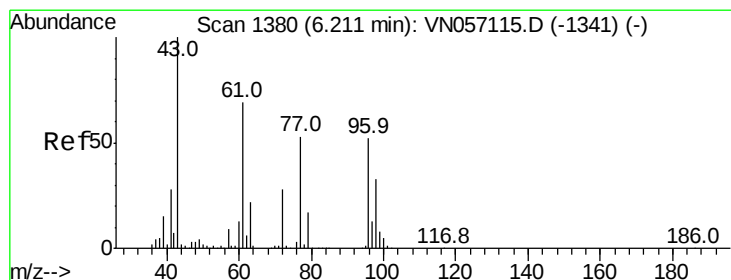
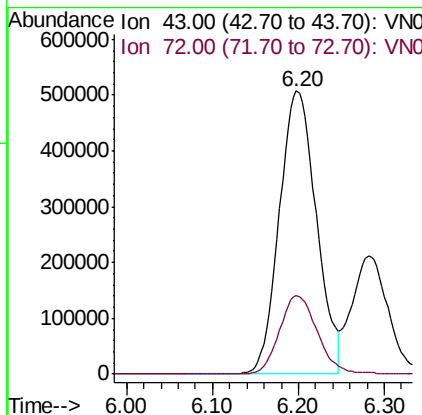
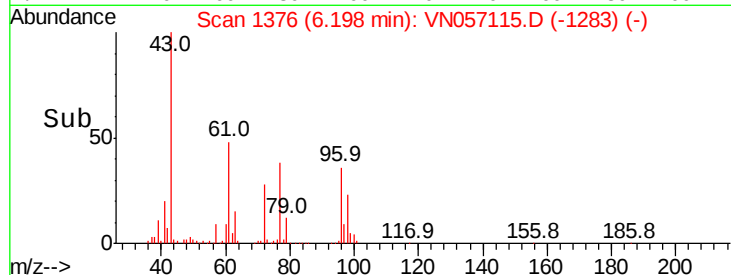
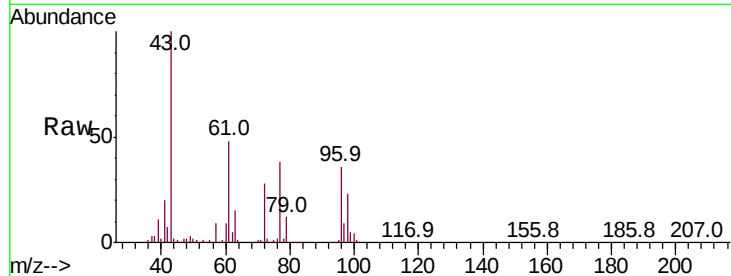
Ion Ratio Lower Upper

43 100

72 27.8 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 45.539 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057115.D

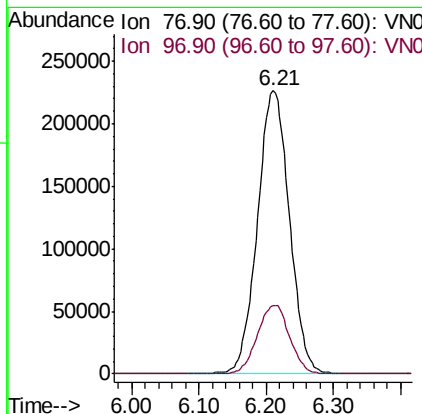
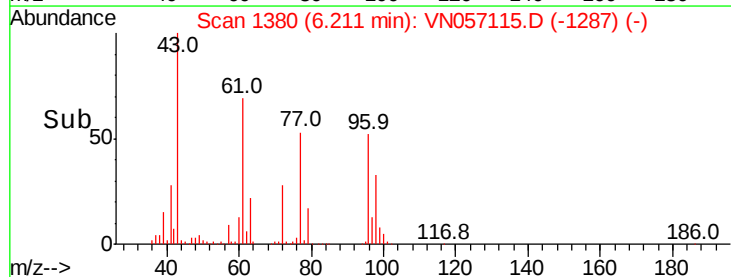
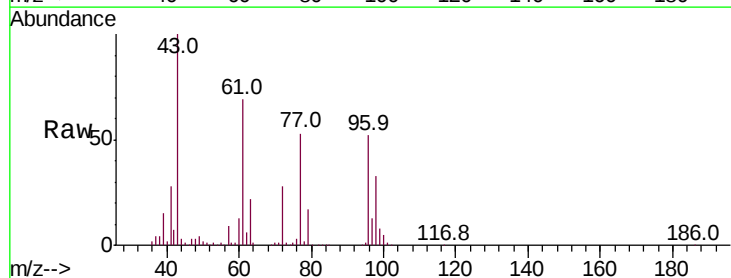
Acq: 7 Aug 2019 20:08

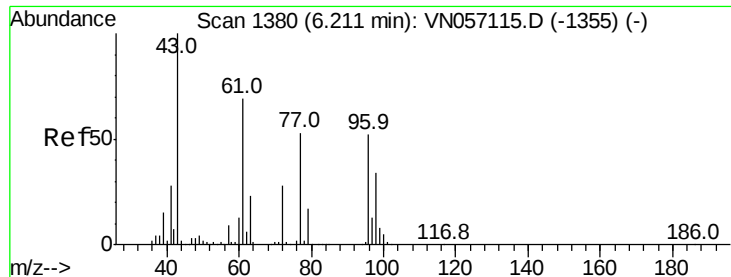
Tgt Ion: 77 Resp: 747281

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 47.762 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

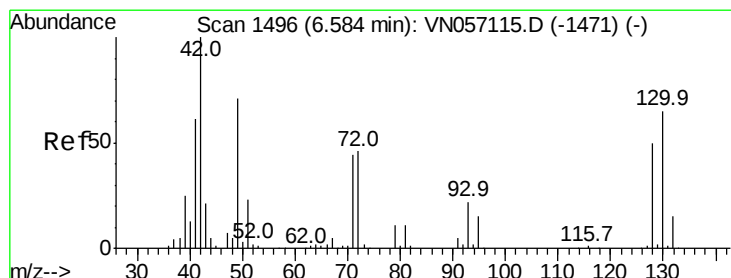
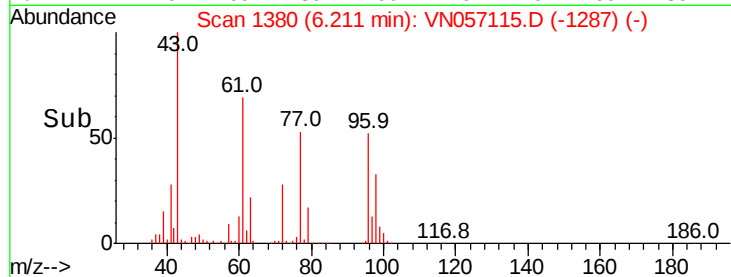
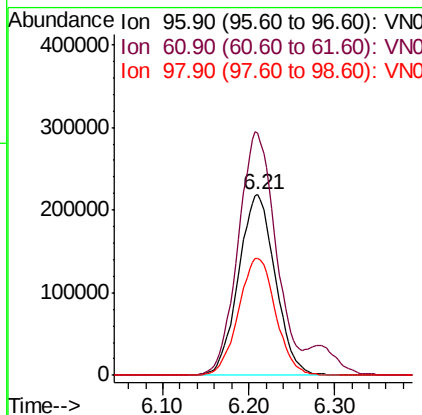
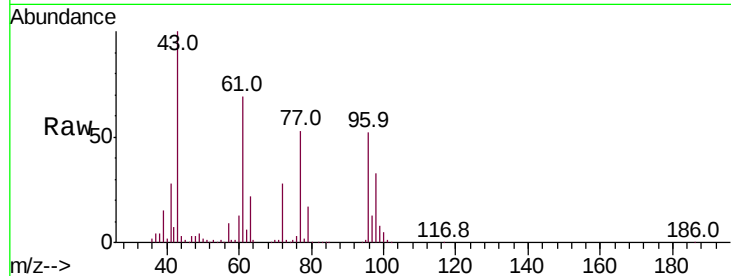
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	651646
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	273.4
98	65.2	0.0	130.4

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#28

Bromochloromethane

Concen: 49.013 ug/l

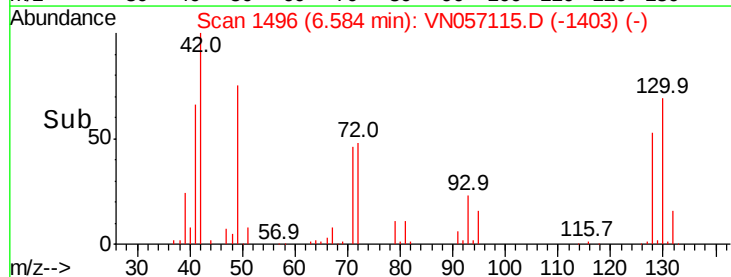
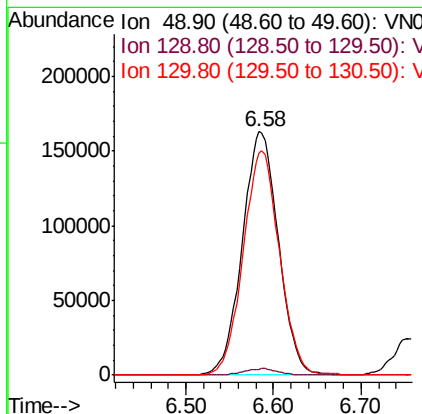
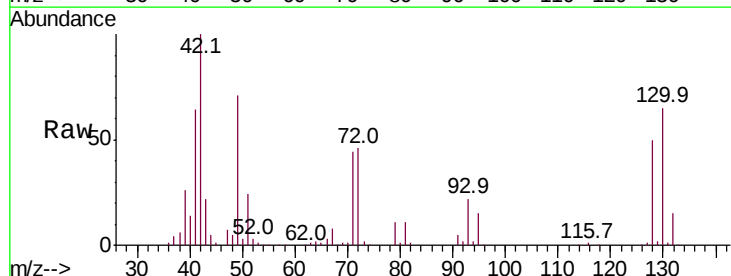
RT: 6.58 min Scan# 1496

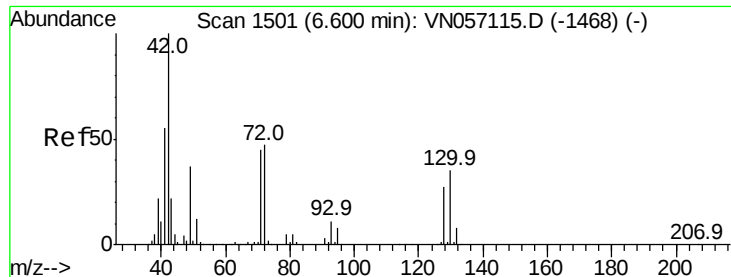
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	49	Resp:	466887
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	92.3	73.8	110.8





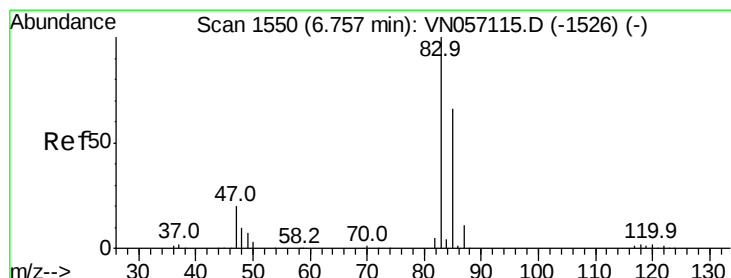
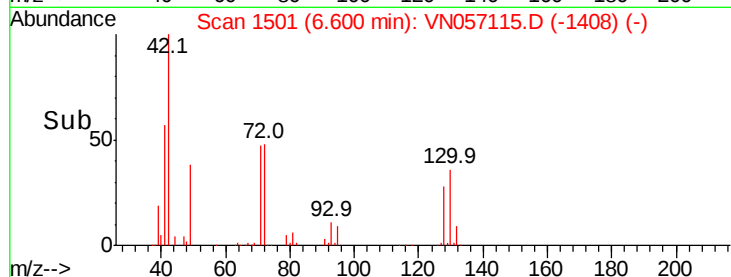
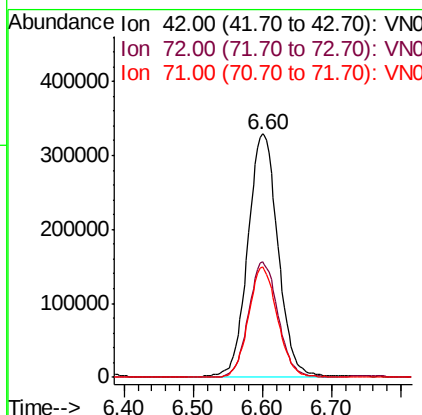
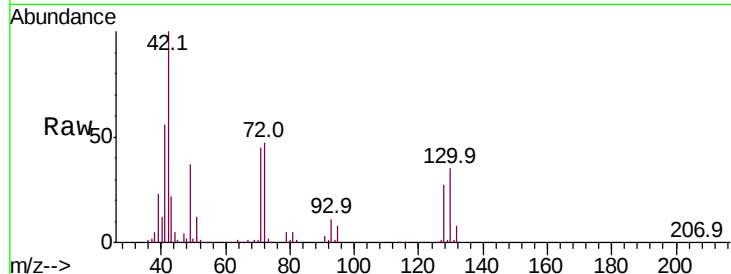
#29
Tetrahydrofuran
Concen: 265.665 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.1	55.7
71	43.5	34.8	52.2

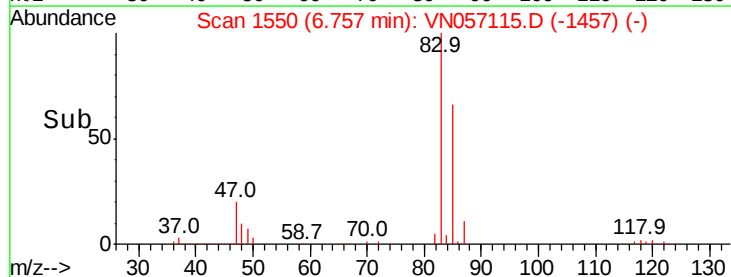
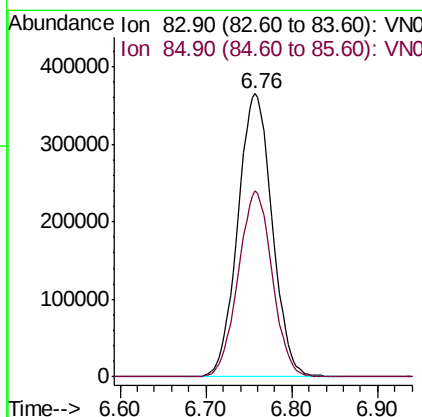
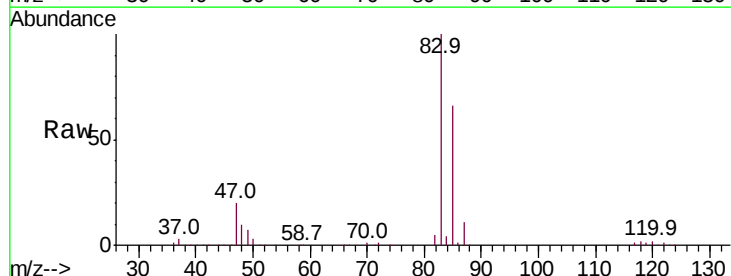
Manual Integrations
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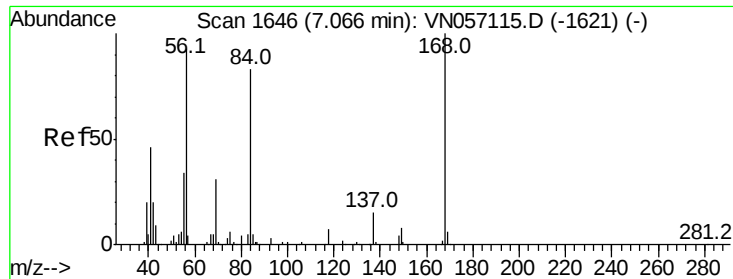
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#30
Chloroform
Concen: 46.943 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





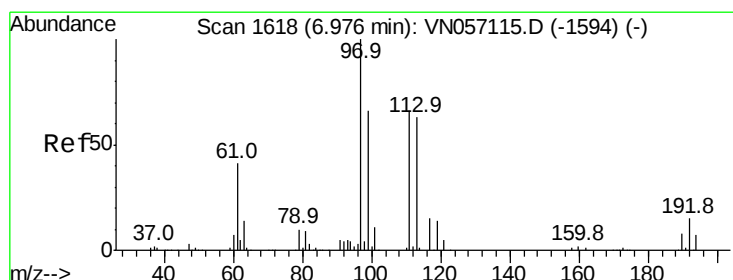
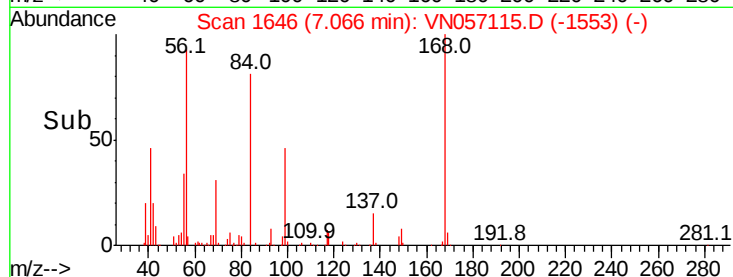
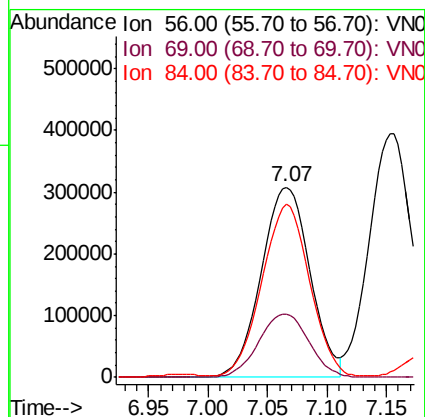
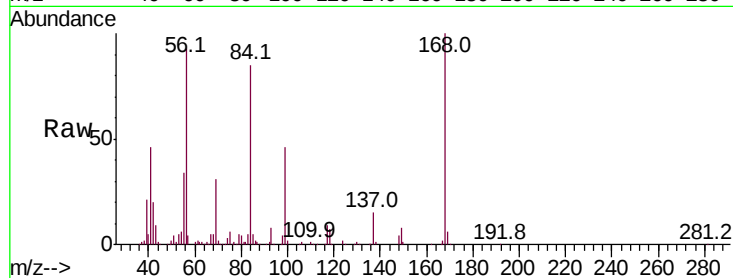
#31
Cyclohexane
Concen: 45.836 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.9	40.3
84	89.9	71.9	107.9

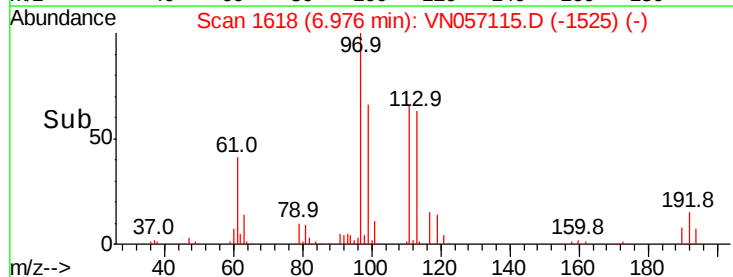
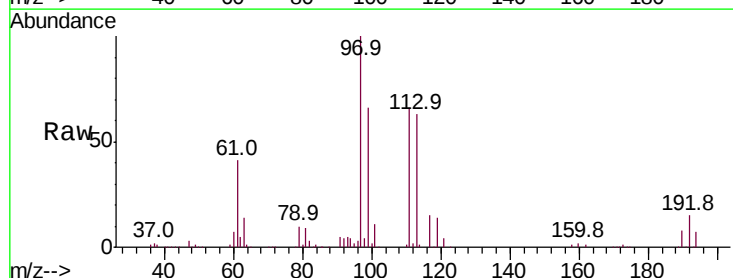
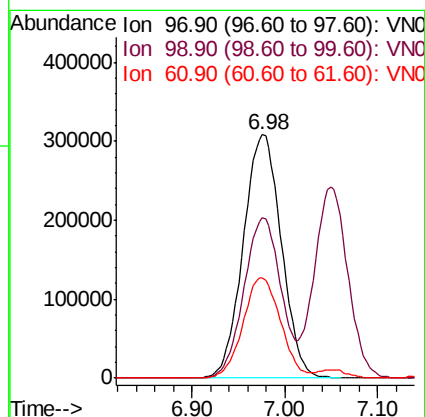
Manual Integrations
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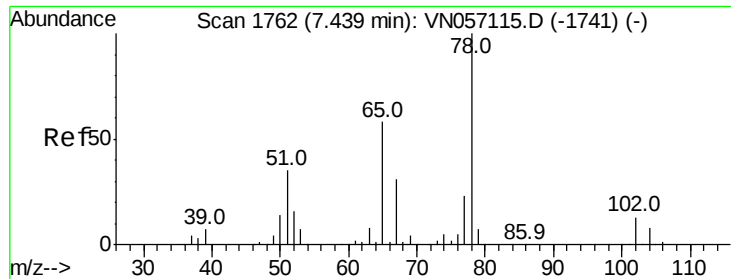
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#32
1,1,1-Trichloroethane
Concen: 48.929 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	40.9	32.7	49.1





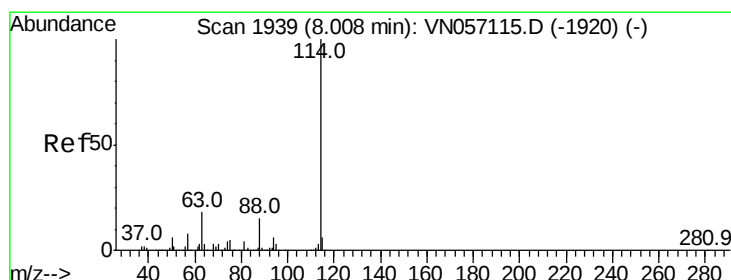
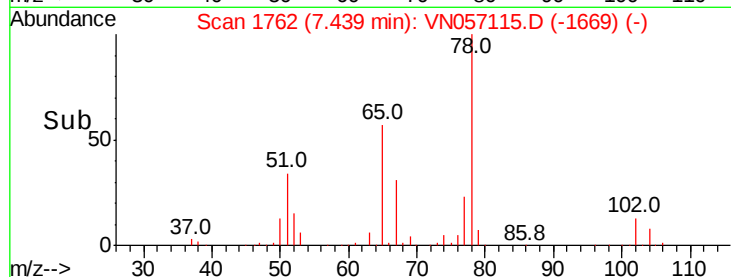
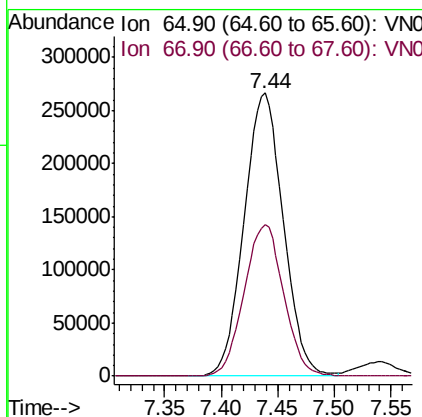
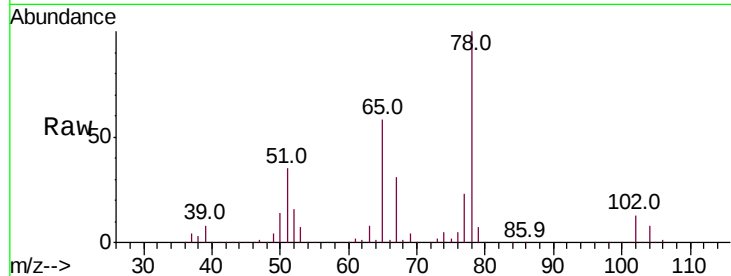
#33
 1,2-Dichloroethane-d4
 Concen: 48.809 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	642620		
67	54.1	0.0	108.2	

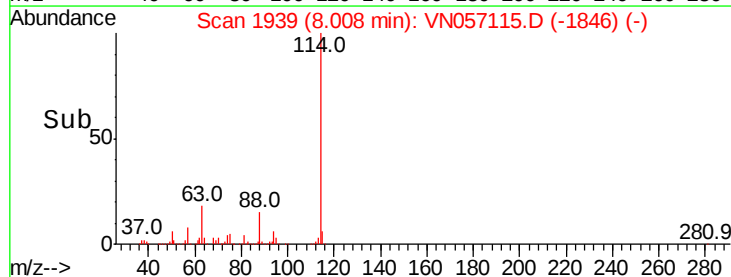
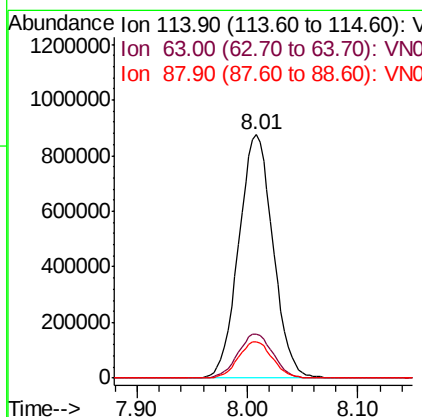
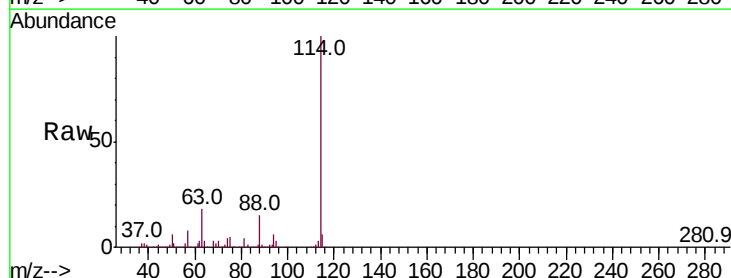
Manual Integrations
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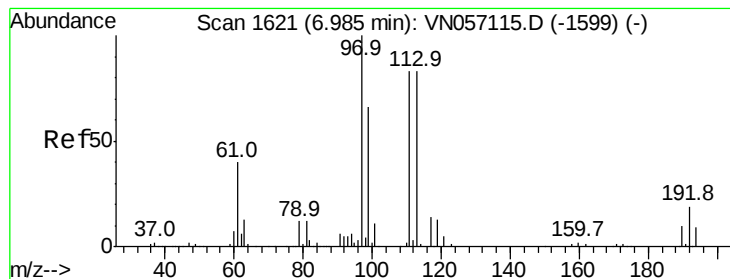
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1883462		
63	18.1	0.0	36.2	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 49.475 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

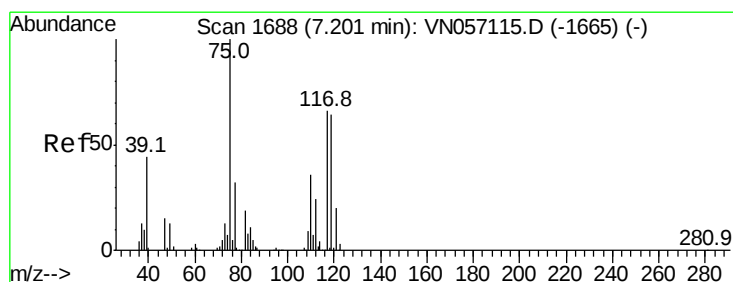
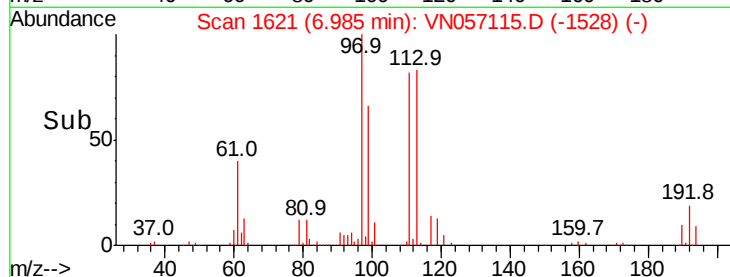
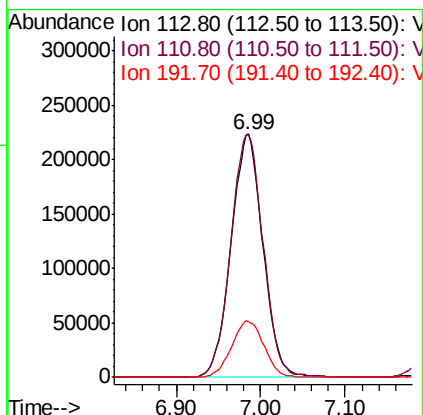
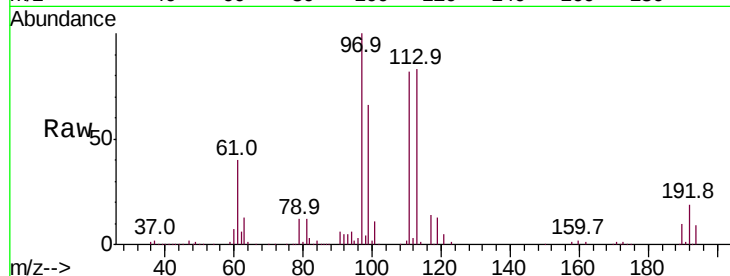
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	586767
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.3	121.9
192	23.7	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.418 ug/l

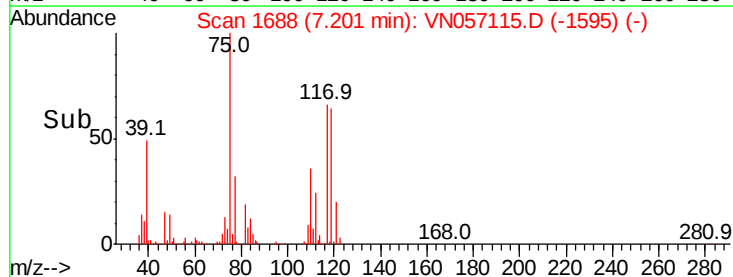
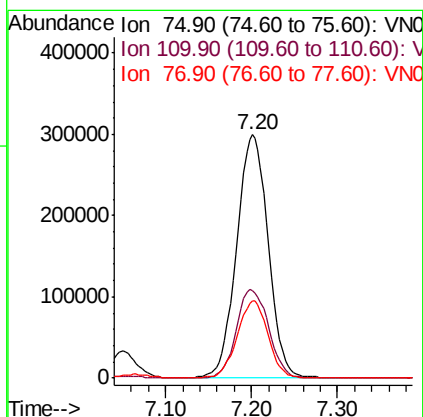
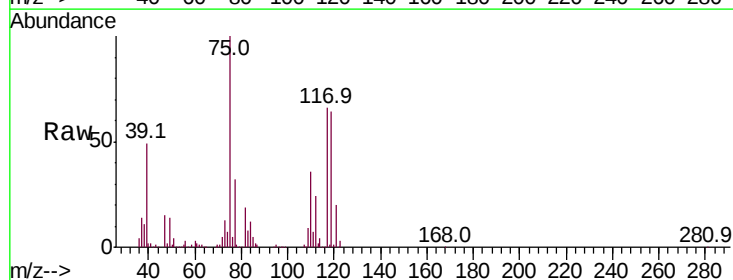
RT: 7.20 min Scan# 1688

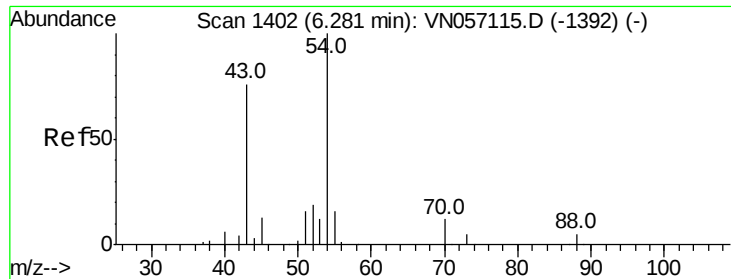
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	75	Resp:	759419
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.7	56.1
77	31.2	25.0	37.4





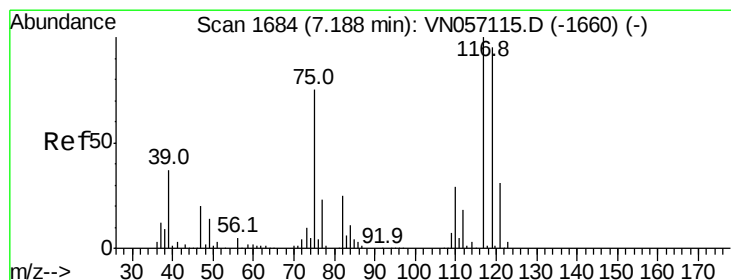
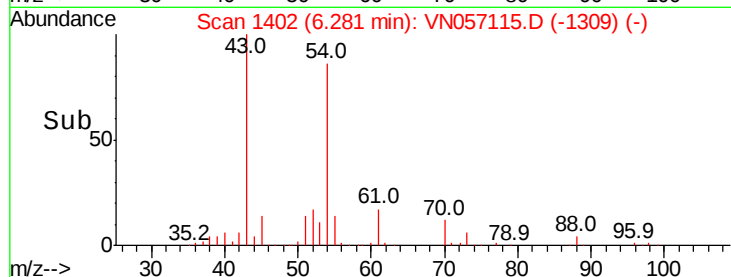
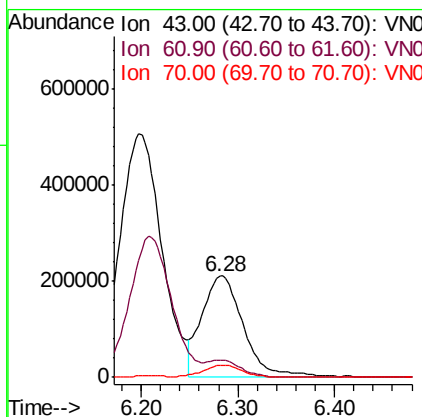
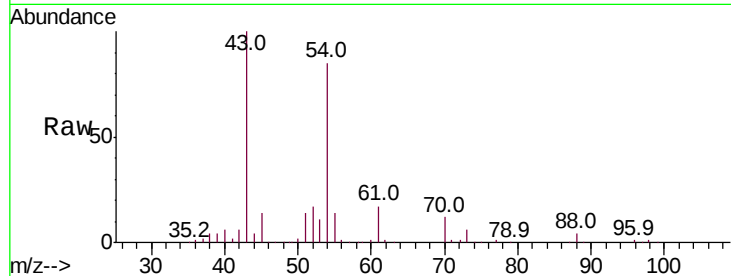
#37
Ethyl Acetate
Concen: 49.720 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.4	9.1	13.7

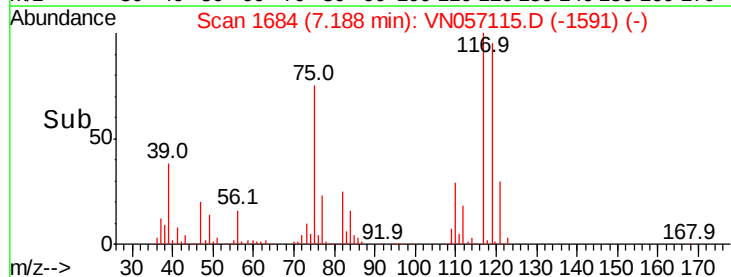
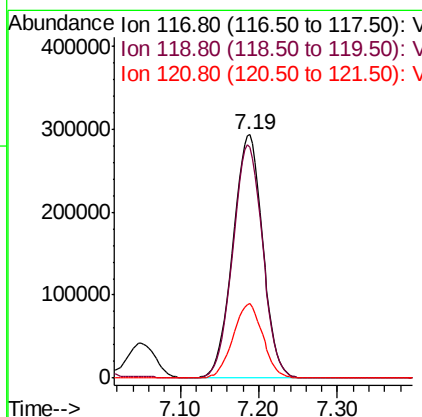
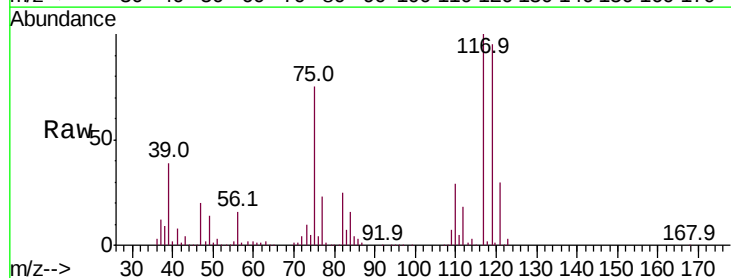
Manual Integrations
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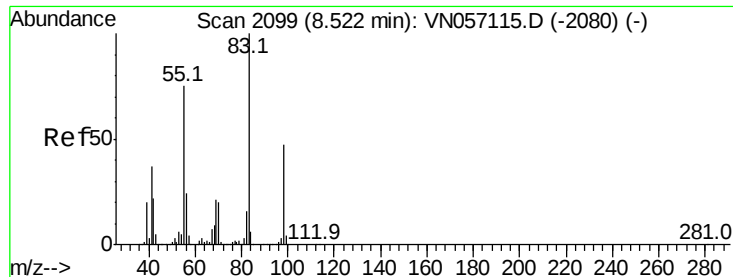
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#38
Carbon Tetrachloride
Concen: 49.197 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.6
121	30.5	24.4	36.6





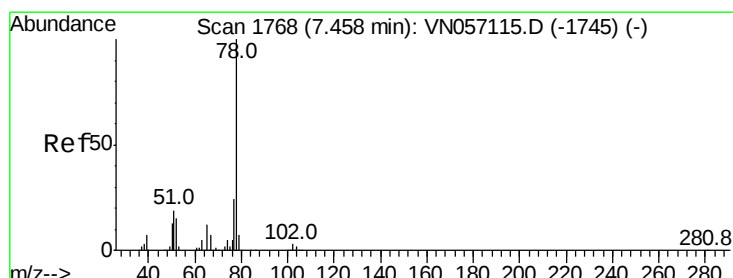
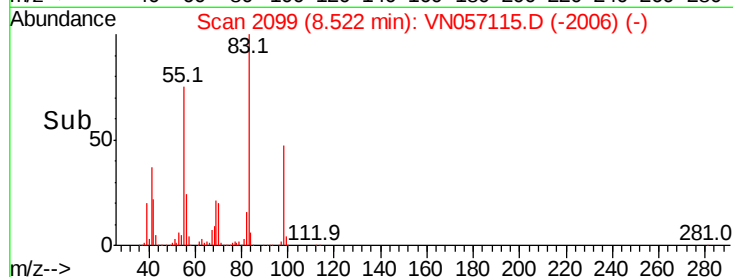
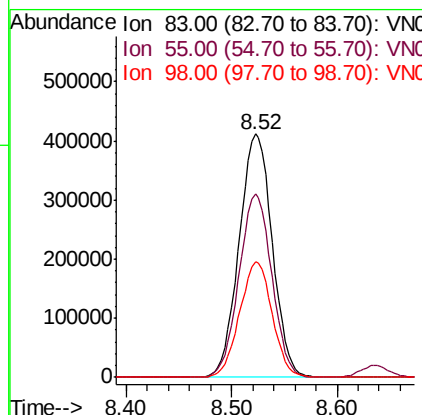
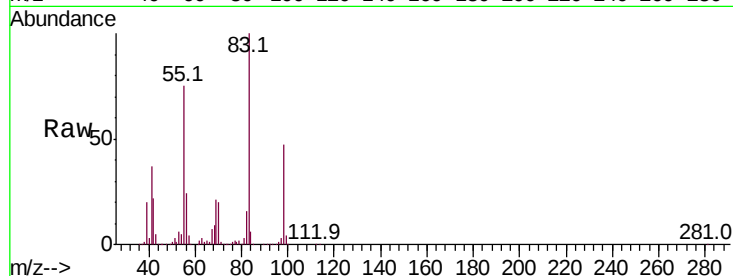
#39
Methvlcvclohexane
Concen: 47.503 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.3	90.5
98	47.4	37.9	56.9

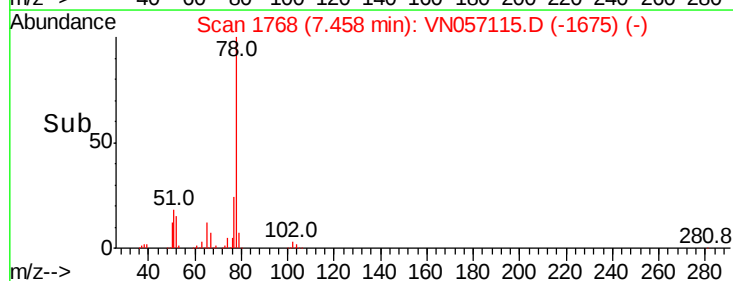
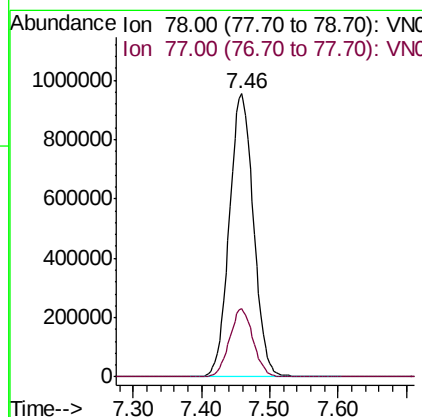
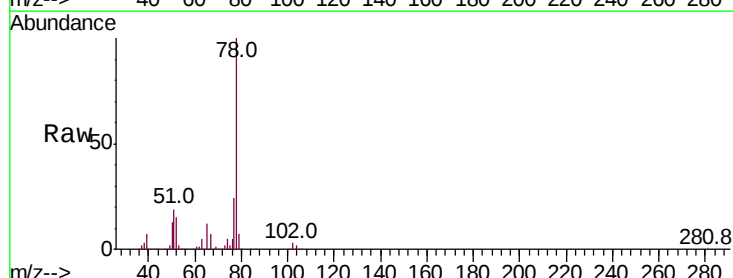
Manual Integrations
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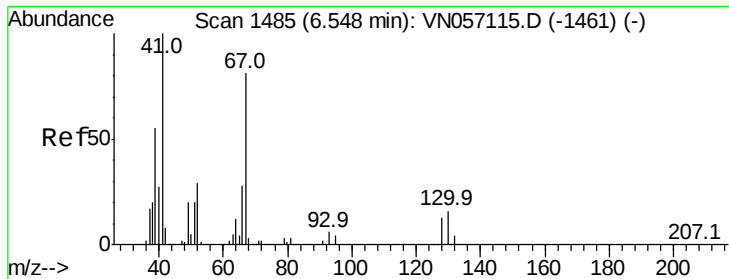
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#40
Benzene
Concen: 46.512 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 62.713 ug/l

RT: 6.55 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

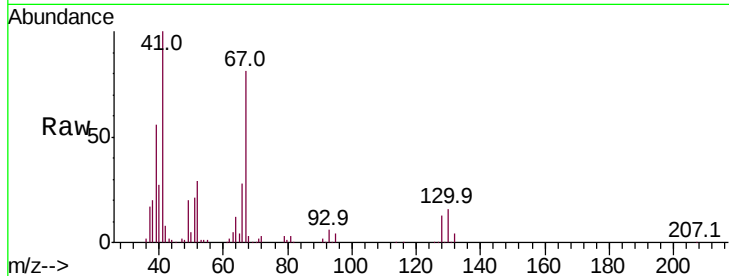
VSTDICCC050

Tot Ion: 41 Resp: 329087
Ion Ratio Lower Upper

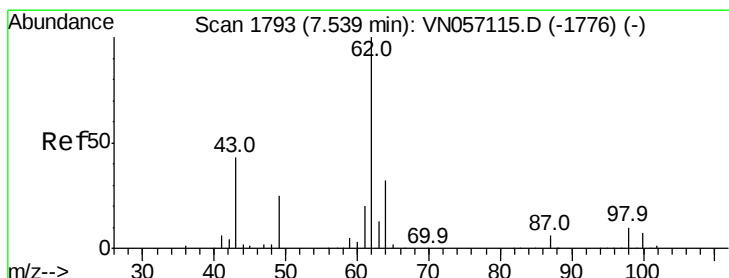
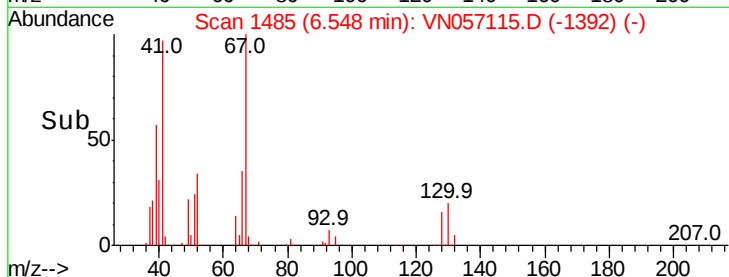
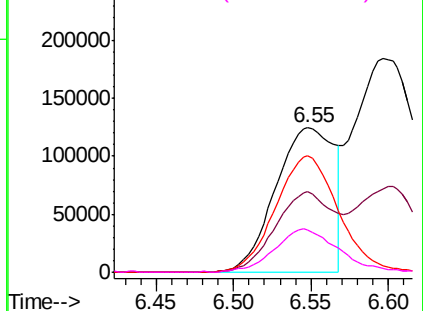
41	100		
39	56.1	44.9	67.3
67	86.4	69.1	103.7
52	32.2	25.8	38.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 47.451 ug/l

RT: 7.54 min Scan# 1793

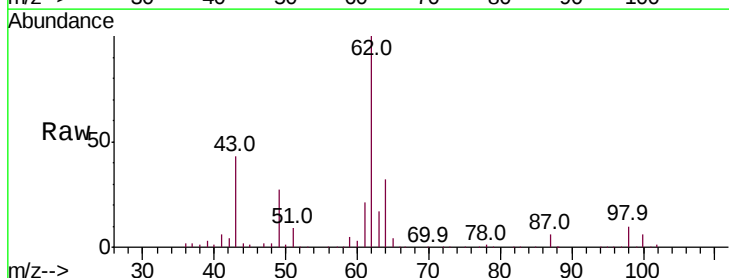
Delta R.T. 0.00 min

Lab File: VN057115.D

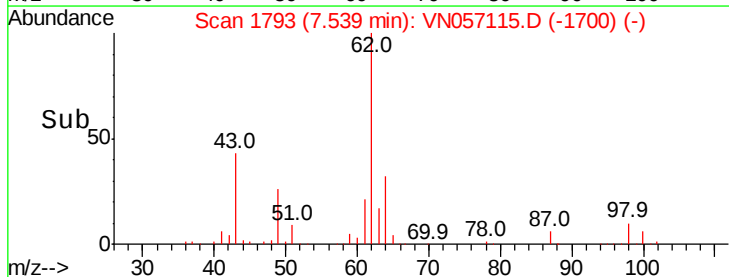
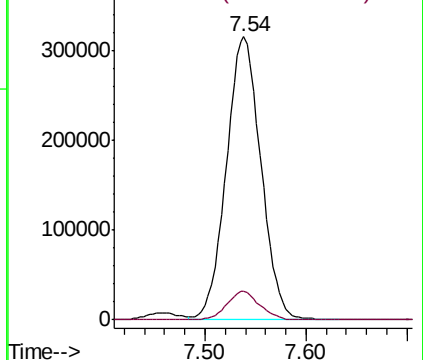
Acq: 7 Aug 2019 20:08

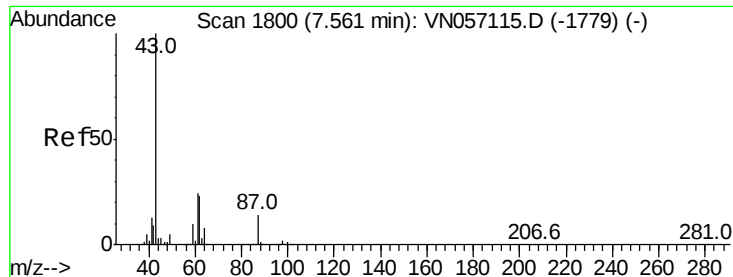
Tgt Ion: 62 Resp: 750059
Ion Ratio Lower Upper

62	100		
98	9.7	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.158 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1049915

Ion Ratio Lower Upper

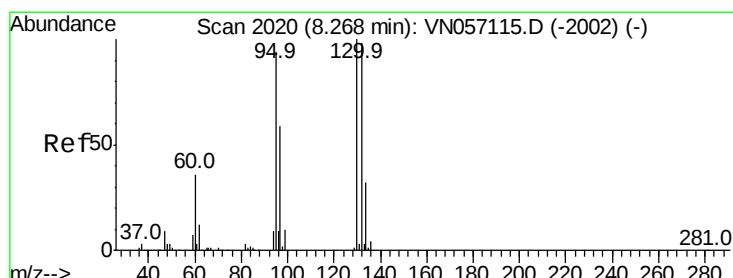
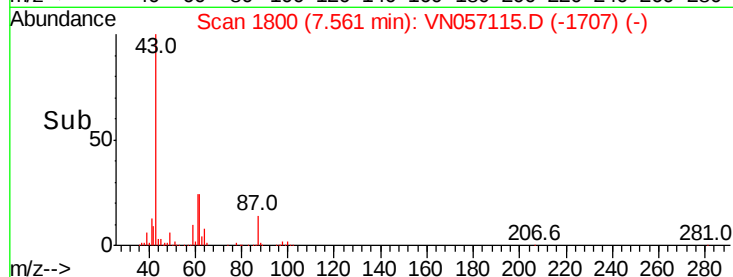
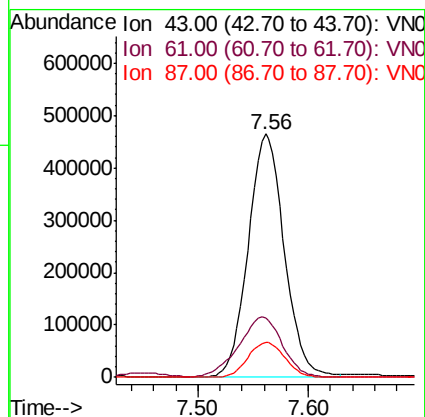
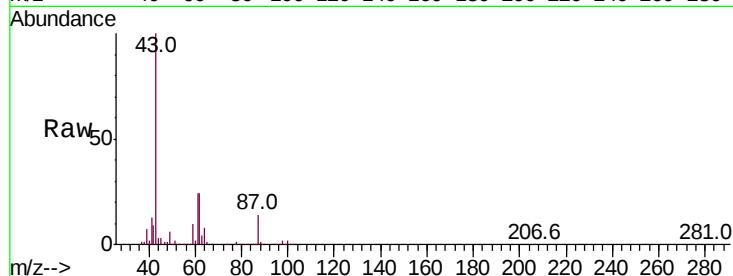
43 100

61 30.2 24.2 36.2

87 14.8 11.8 17.8

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#44

Trichloroethene

Concen: 47.543 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN057115.D

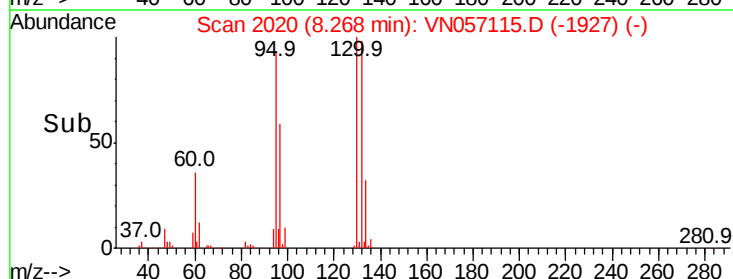
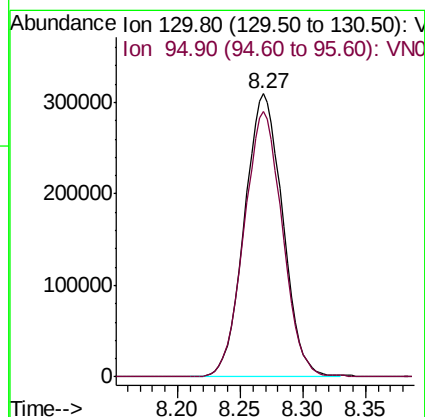
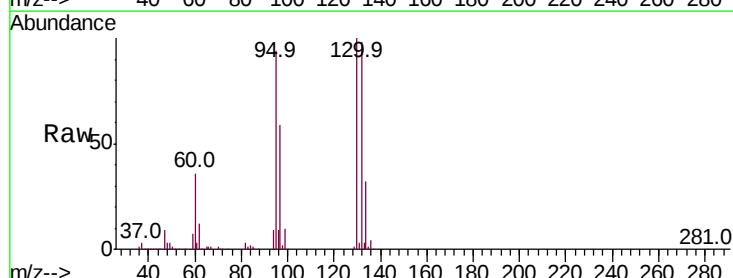
Acq: 7 Aug 2019 20:08

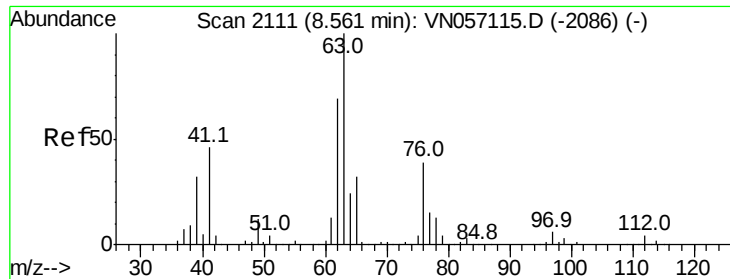
Tgt Ion:130 Resp: 655903

Ion Ratio Lower Upper

130 100

95 93.7 0.0 187.4





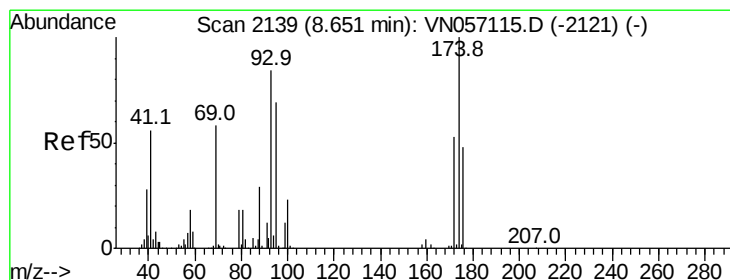
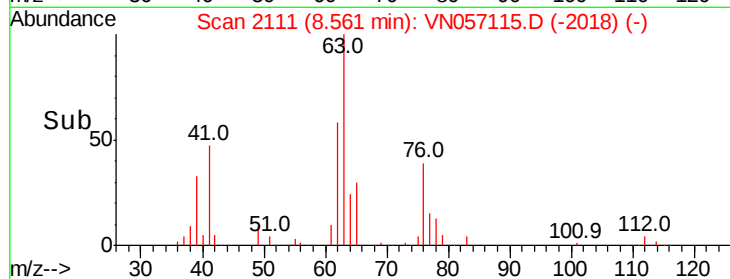
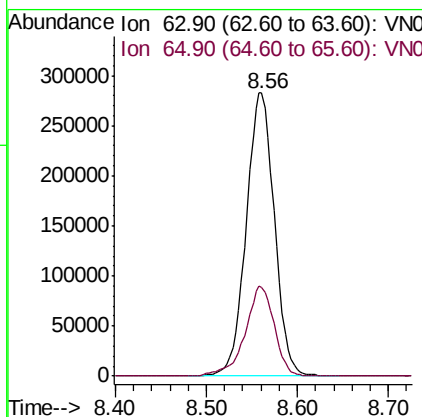
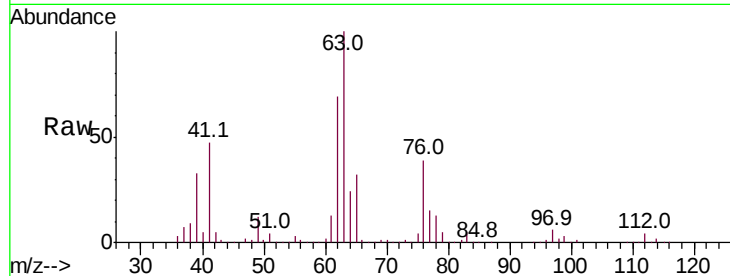
#45
 1,2-Dichloropropane
 Concen: 46.493 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 607113
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8

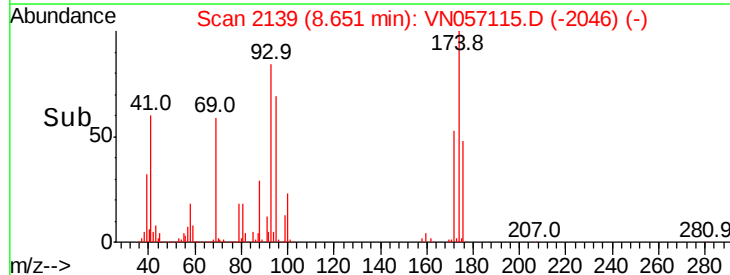
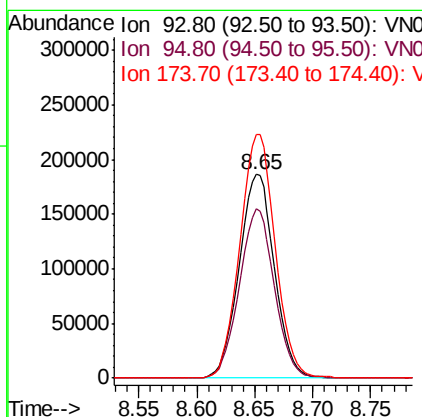
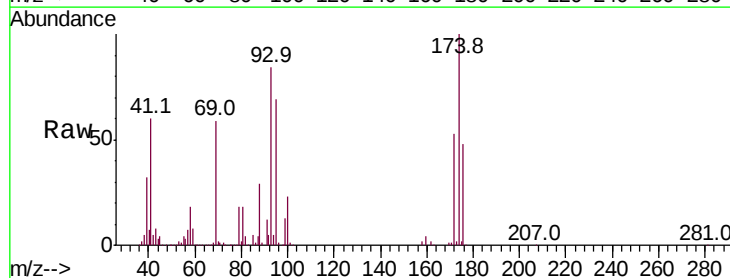
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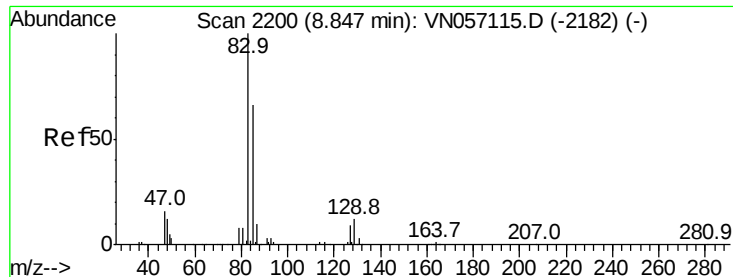
MMDadoda
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#46
 Dibromomethane
 Concen: 48.499 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion: 93 Resp: 394355
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 120.0 96.0 144.0





#47

Bromodichloromethane

Concen: 50.230 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

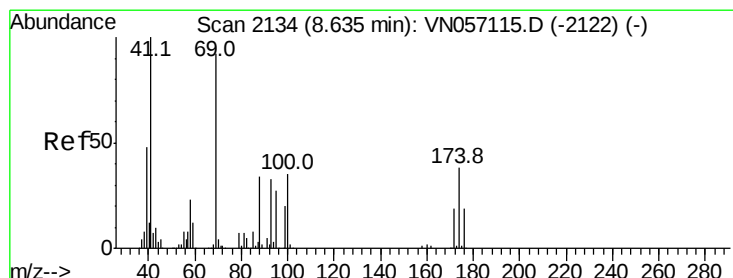
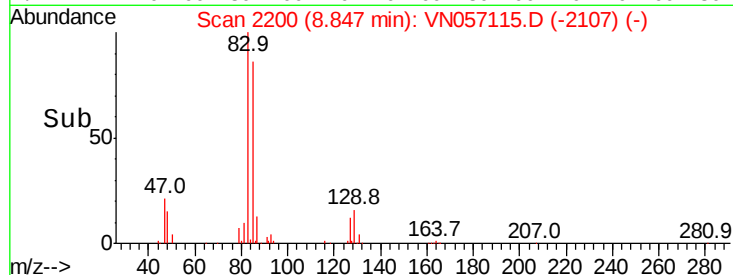
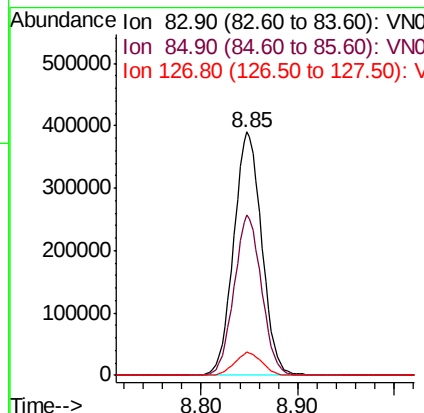
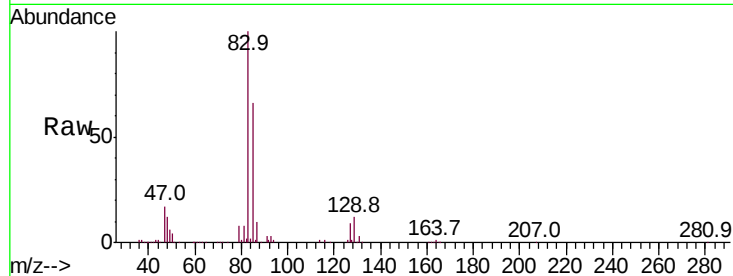
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	783509
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.6	78.8
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.402 ug/l

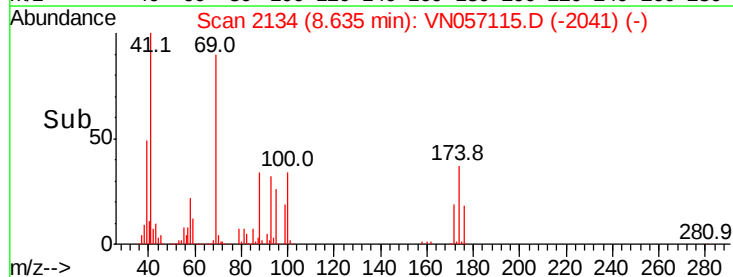
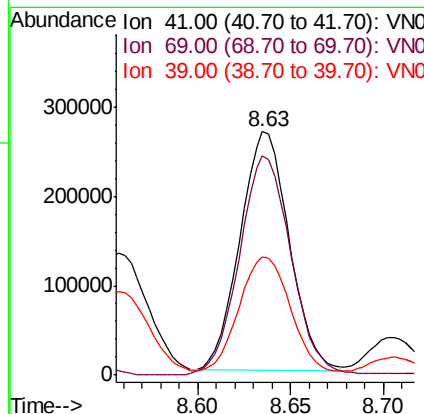
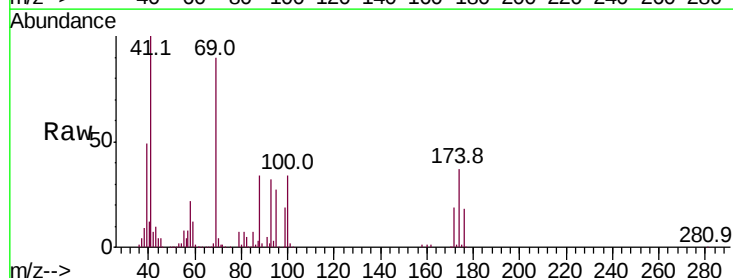
RT: 8.63 min Scan# 2134

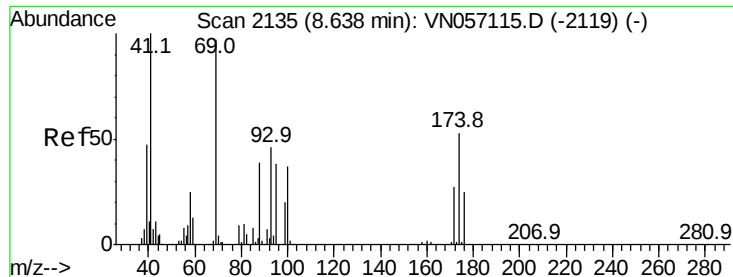
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	41	Resp:	494482
Ion Ratio	Lower	Upper	
41	100		
69	96.9	77.5	116.3
39	49.7	39.8	59.6





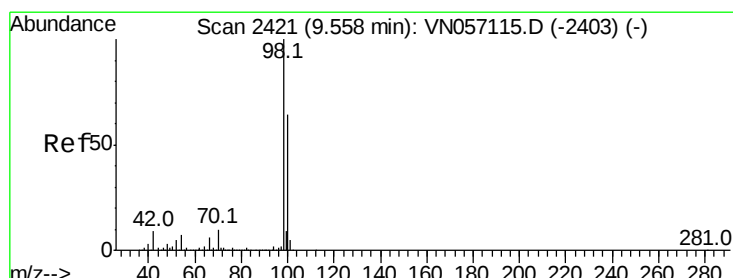
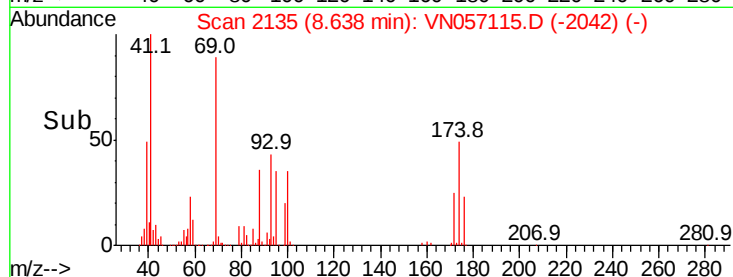
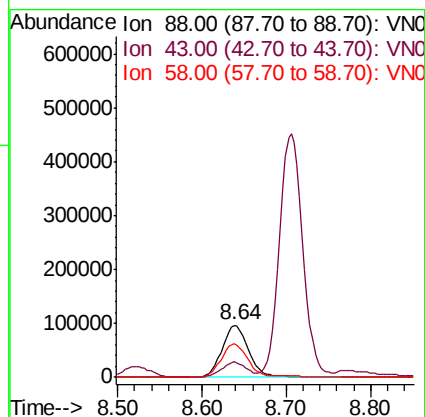
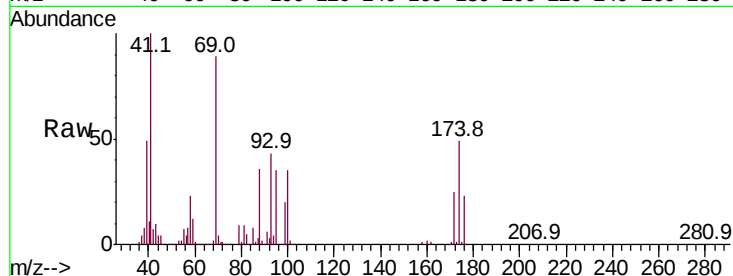
#49
1,4-Dioxane
Concen: 1037.638 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.7	32.5
58	63.9	51.1	76.7

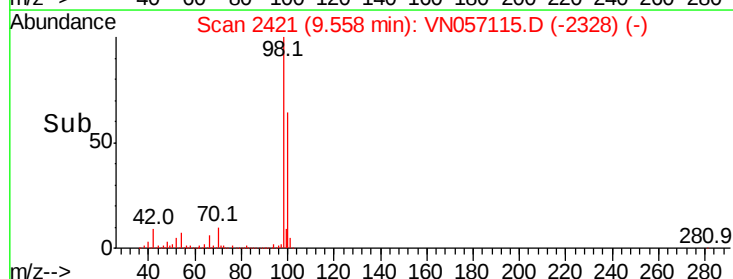
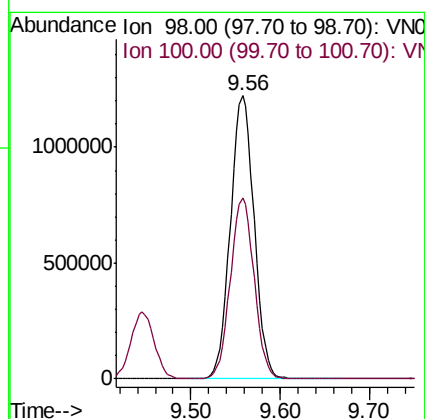
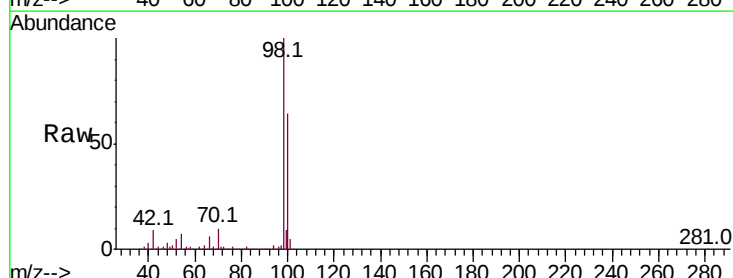
Manual Integrations
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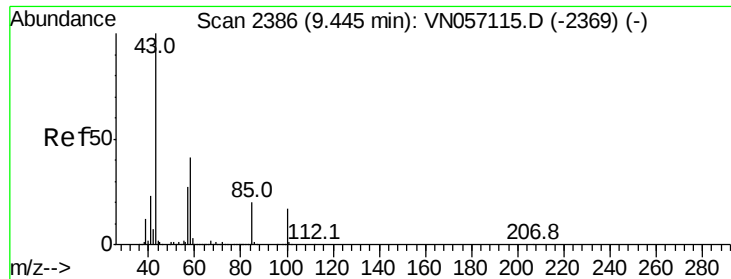
MMDadoda
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#50
Toluene-d8
Concen: 50.309 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 275.319 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3127785

Ion Ratio Lower Upper

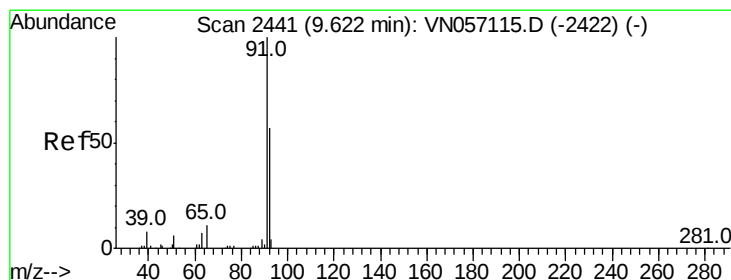
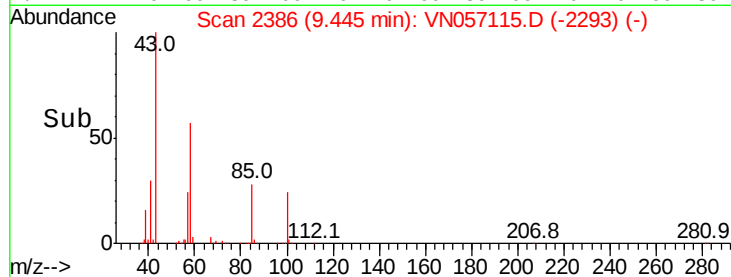
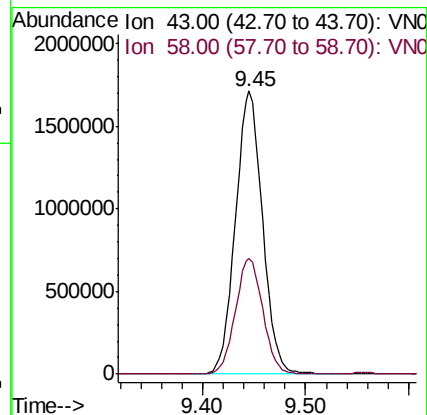
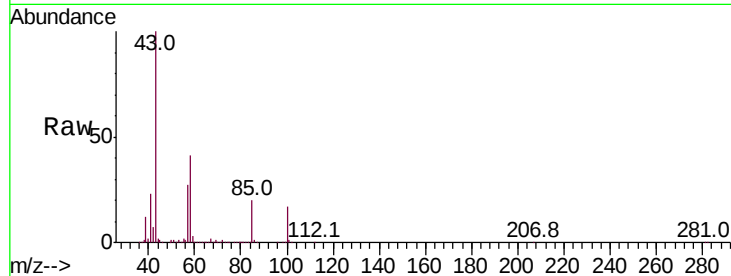
43 100

58 41.5 33.2 49.8

Manual Integrations
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#52

Toluene

Concen: 48.189 ug/l

RT: 9.62 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VN057115.D

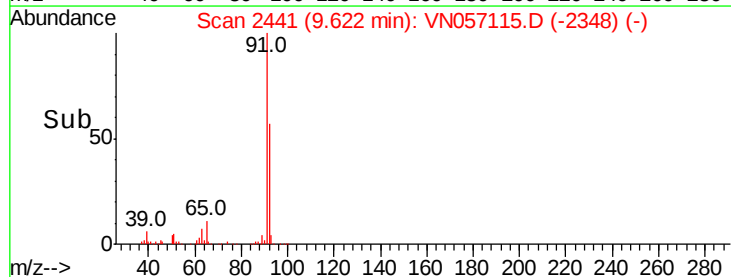
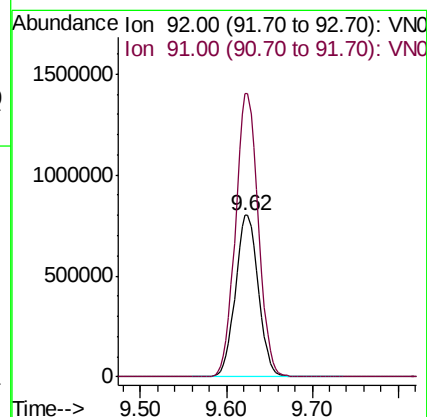
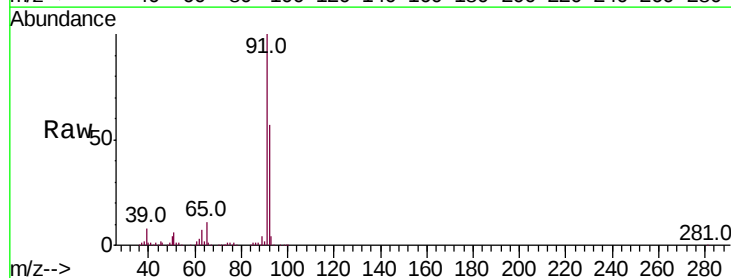
Acq: 7 Aug 2019 20:08

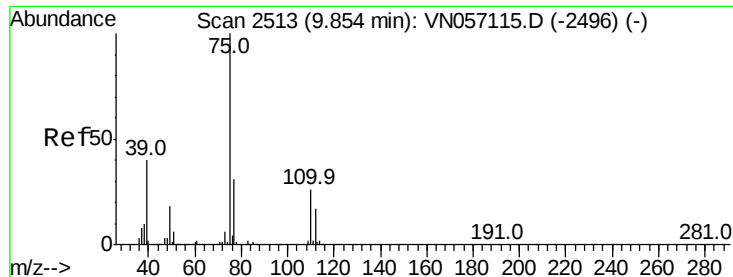
Tgt Ion: 92 Resp: 1477302

Ion Ratio Lower Upper

92 100

91 174.8 139.8 209.8





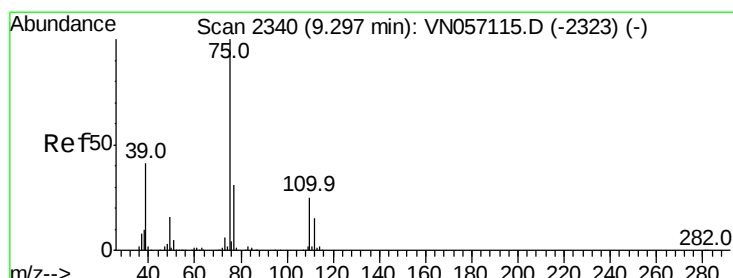
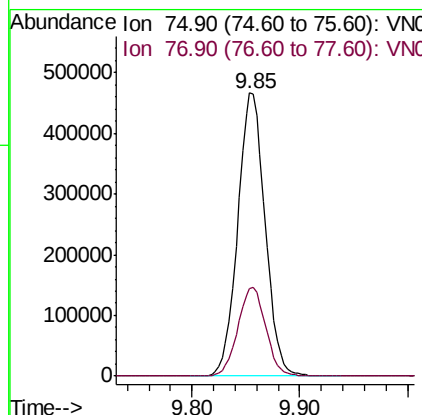
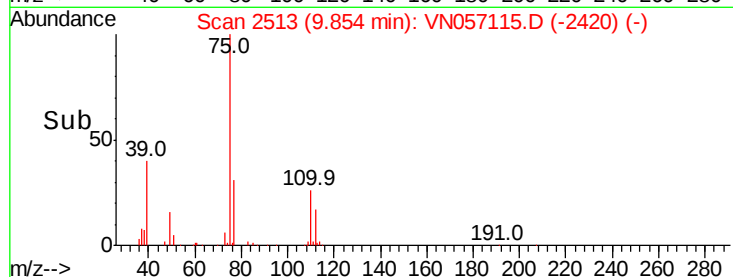
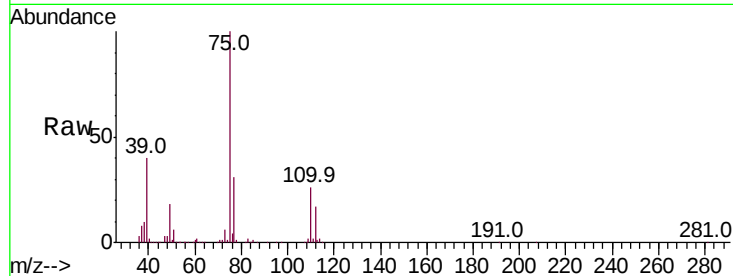
#53
t-1,3-Dichloropropene
Concen: 50.407 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

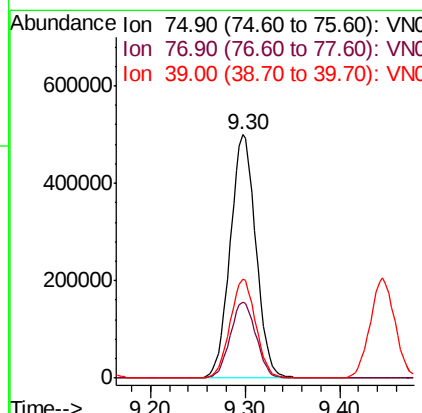
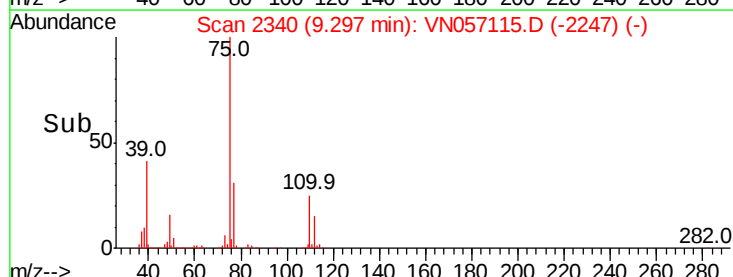
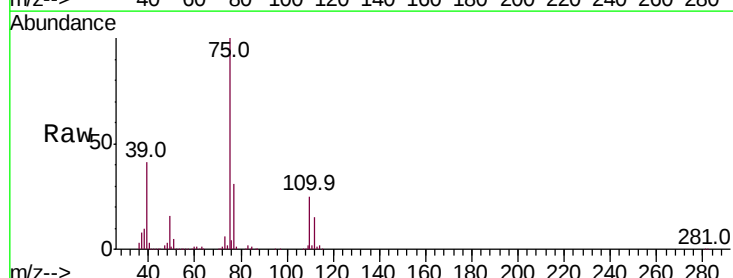
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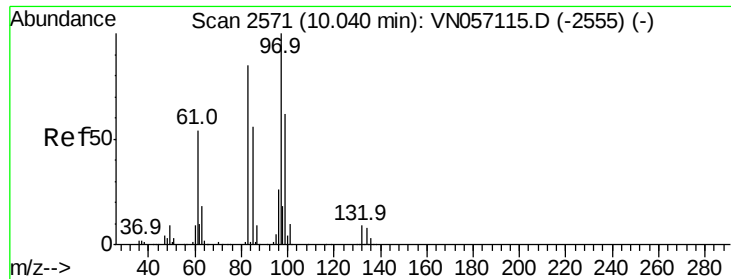
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#54
cis-1,3-Dichloropropene
Concen: 49.069 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	40.6	32.5	48.7





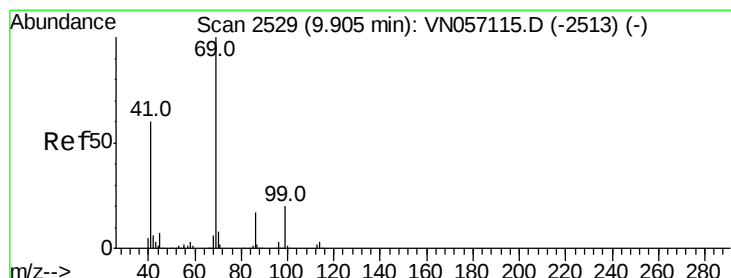
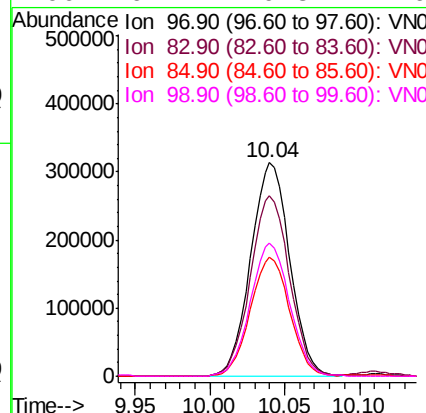
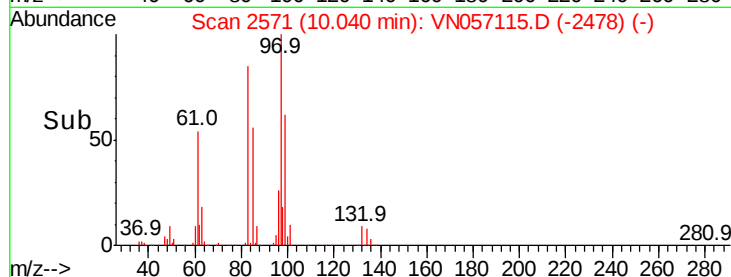
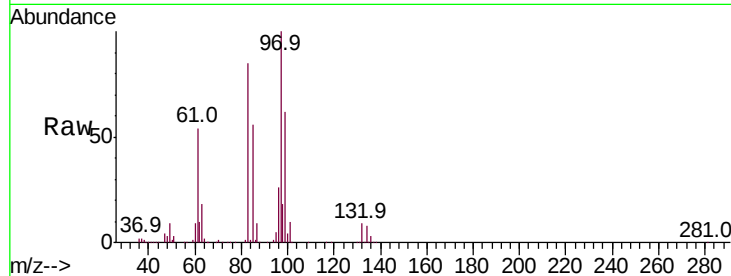
#55
 1,1,2-Trichloroethane
 Concen: 48.721 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	570008
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.8
85	55.5	44.4	66.6
99	62.2	49.8	74.6

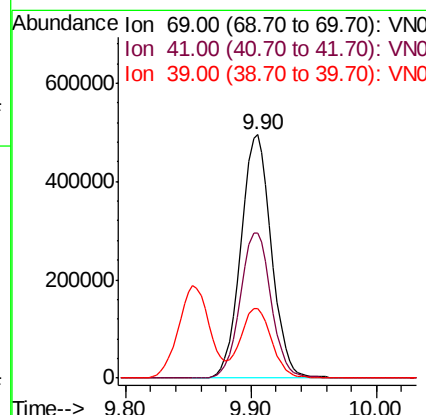
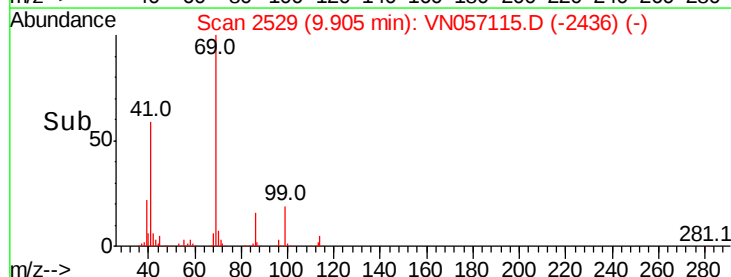
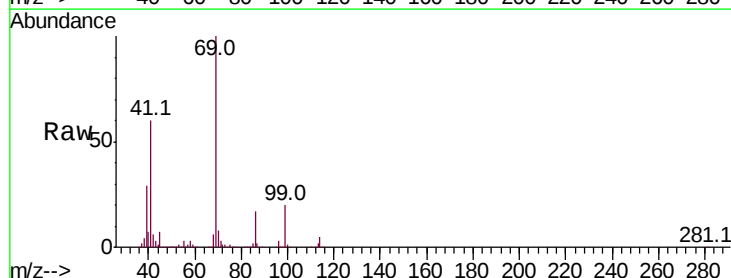
Manual Integrations
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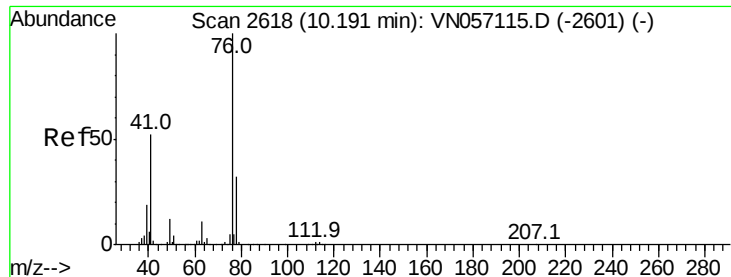
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#56
 Ethyl methacrylate
 Concen: 52.227 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	69	Resp	837156
Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.1	72.1
39	29.5	23.6	35.4





#57

1,3-Dichloropropane

Concen: 48.695 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 945832

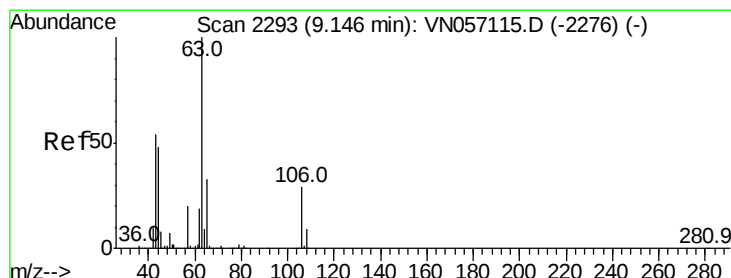
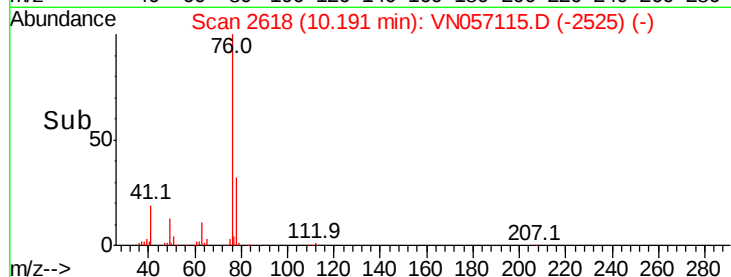
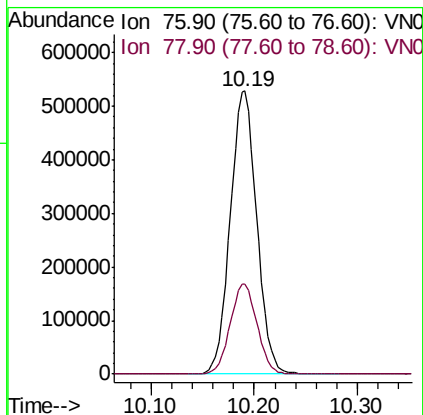
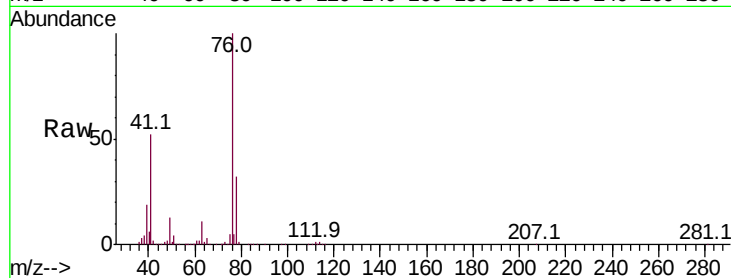
Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9

Manual Integrations
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MMDadoda
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#58

2-Chloroethyl Vinyl ether

Concen: 268.251 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057115.D

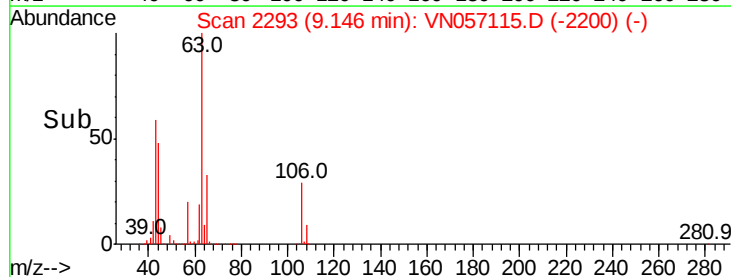
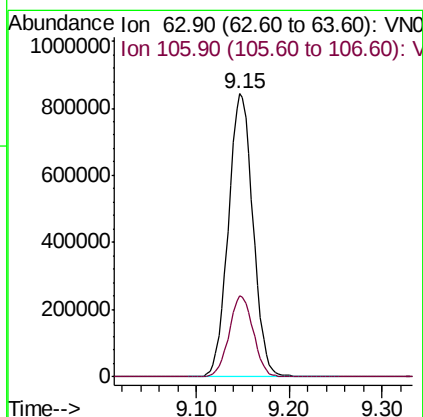
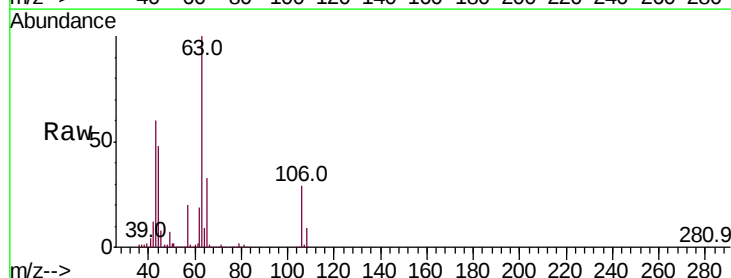
Acq: 7 Aug 2019 20:08

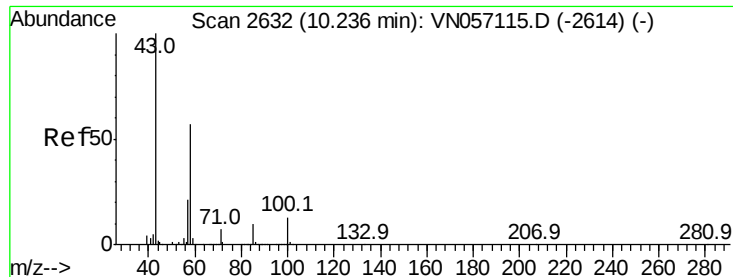
Tgt Ion: 63 Resp: 1551310

Ion Ratio Lower Upper

63 100

106 28.2 22.6 33.8





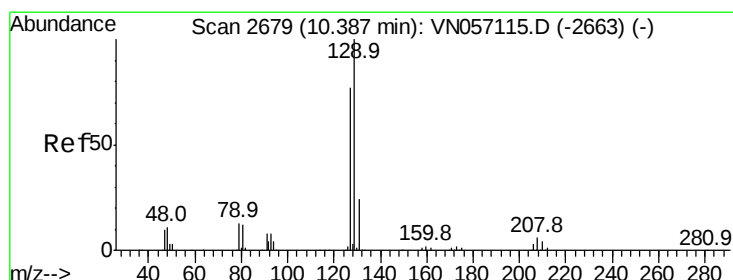
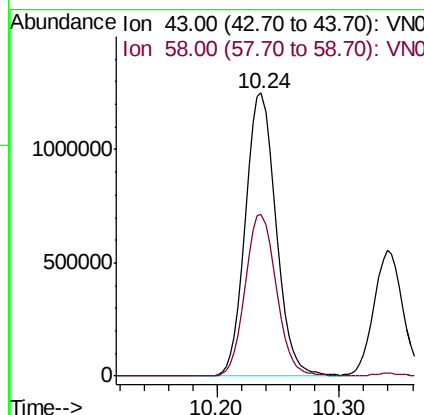
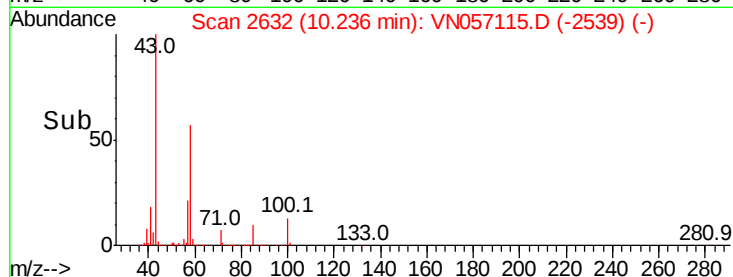
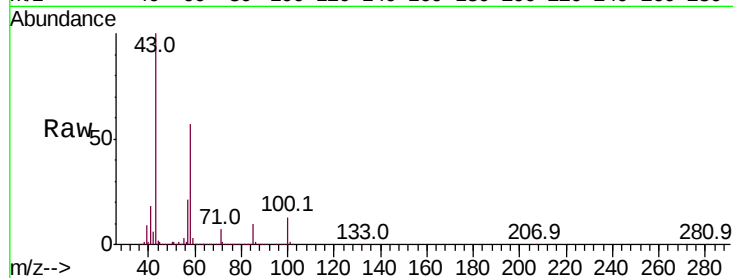
#59
2-Hexanone
Concen: 264.716 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2157568
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6

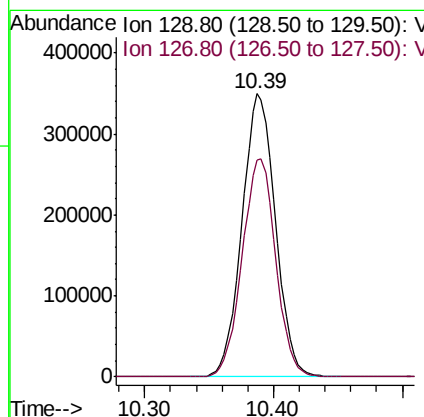
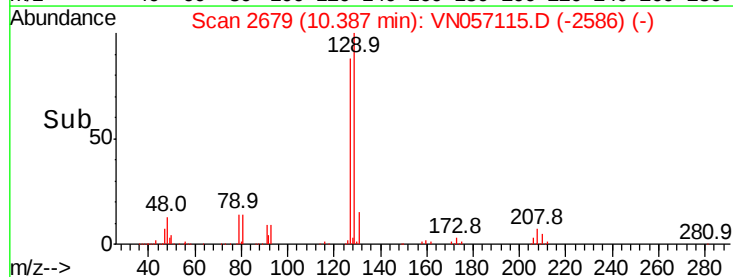
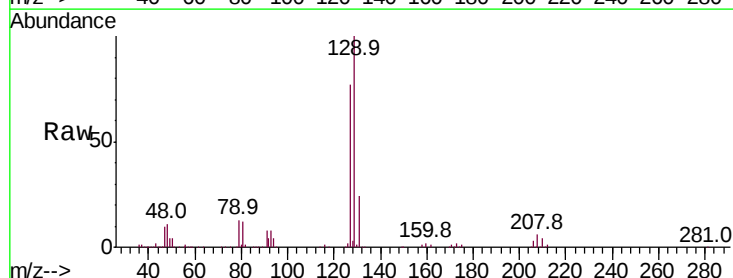
Manual Integrations
APPROVED

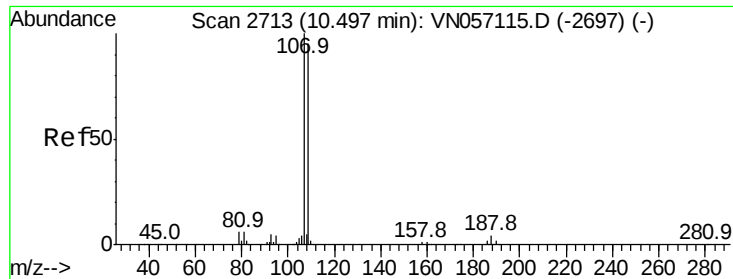
MMDadoda
8/8/2019 2:40:29 PM



#60
Dibromochloromethane
Concen: 51.767 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion: 129 Resp: 630176
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





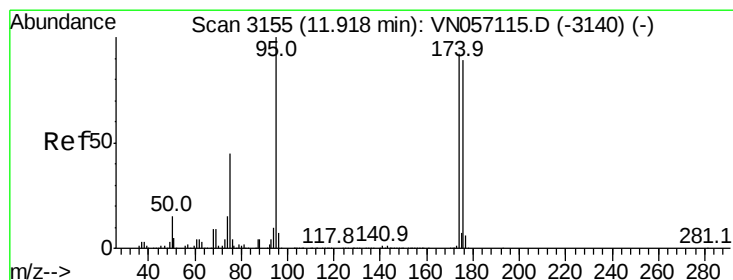
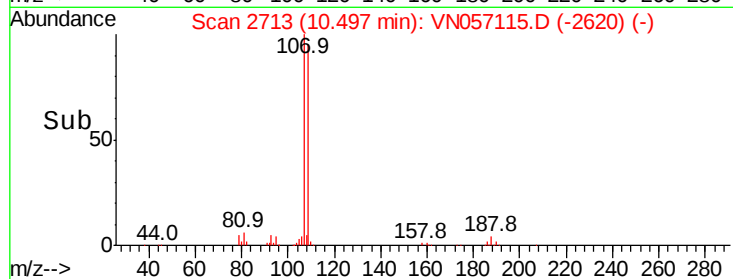
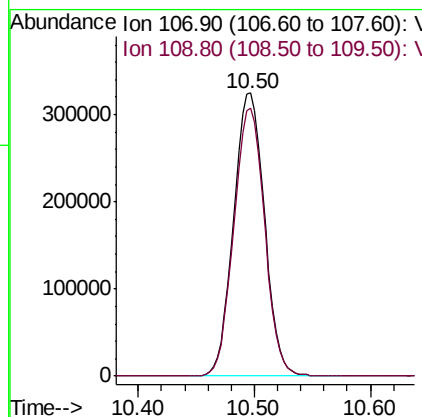
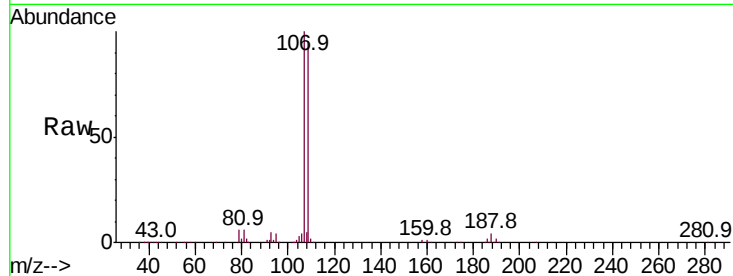
#61
 1,2-Dibromoethane
 Concen: 49.980 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	597239		
109	94.5	75.6	113.4	

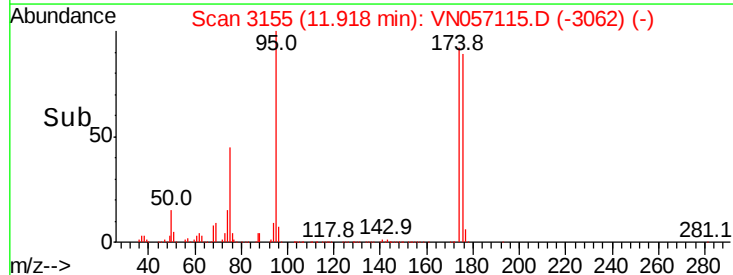
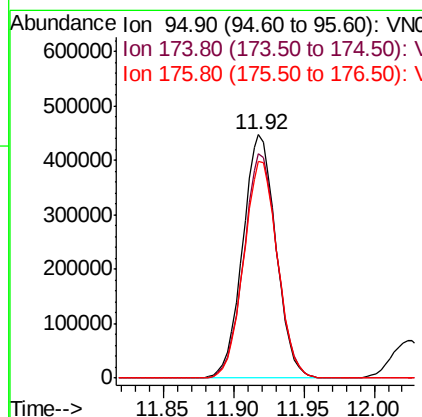
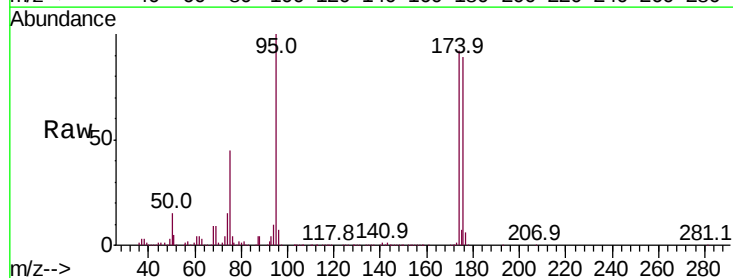
Manual Integrations
 APPROVED

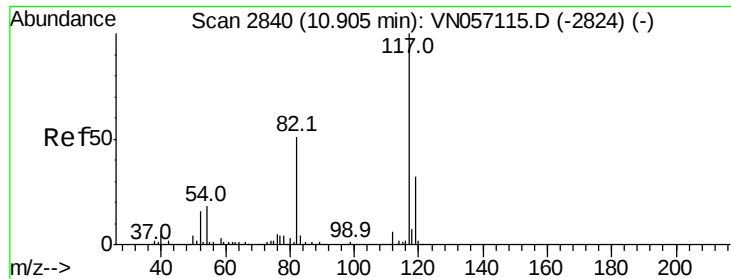
MMDadoda
 8/8/2019 2:40:29 PM



#62
 4-Bromofluorobenzene
 Concen: 51.401 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	739375		
174	92.5	0.0	185.0	
176	90.6	0.0	181.2	





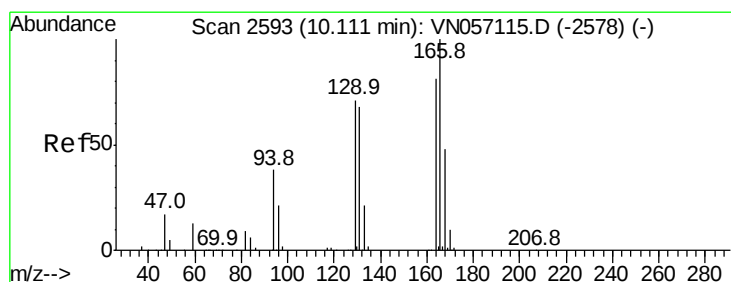
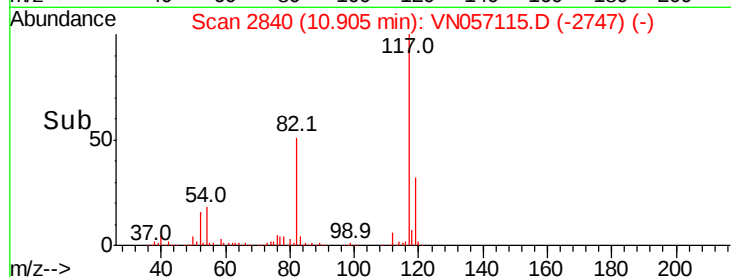
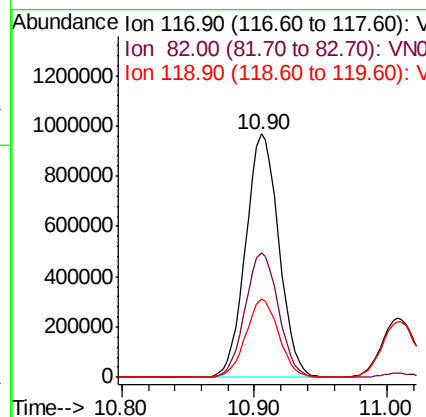
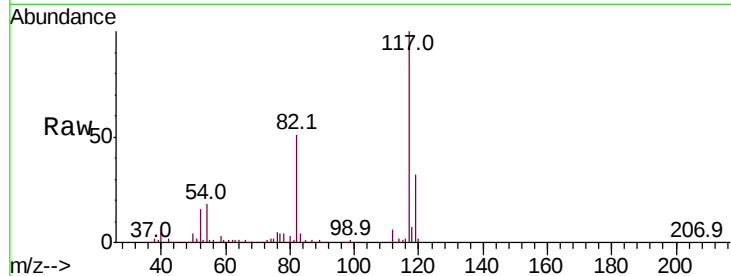
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1680305
Ion Ratio Lower Upper
117 100
82 51.0 40.8 61.2
119 32.1 25.7 38.5

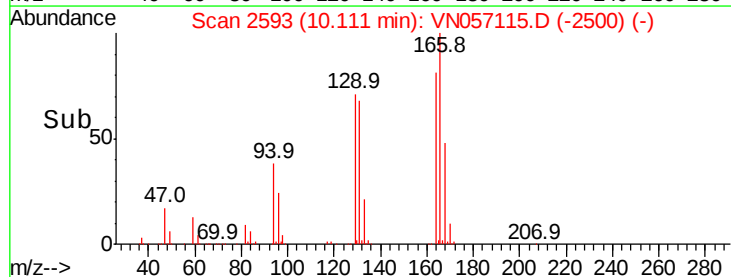
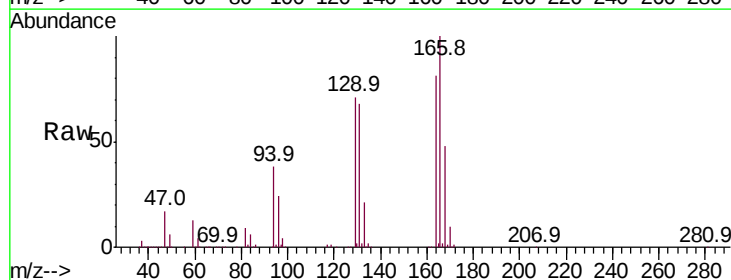
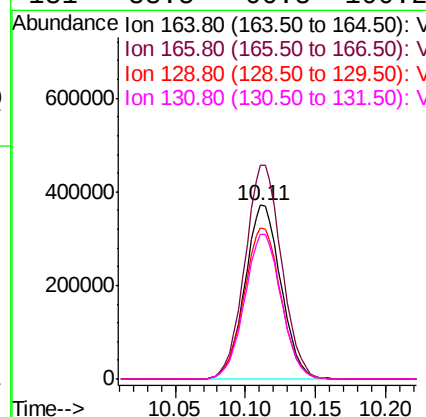
Manual Integrations
APPROVED

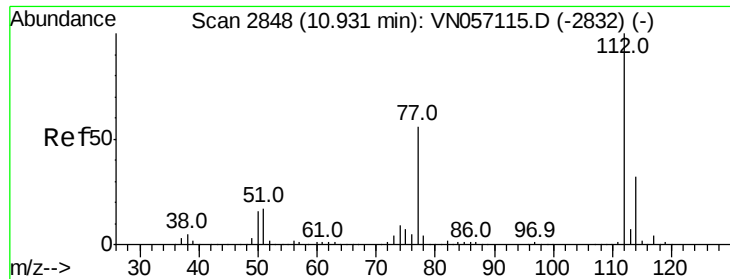
MMDadoda
8/8/2019 2:40:29 PM



#64
Tetrachloroethene
Concen: 47.139 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion:164 Resp: 666362
Ion Ratio Lower Upper
164 100
166 122.9 98.3 147.5
129 87.2 69.8 104.6
131 83.5 66.8 100.2





#65

Chlorobenzene

Concen: 47.880 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 1624249

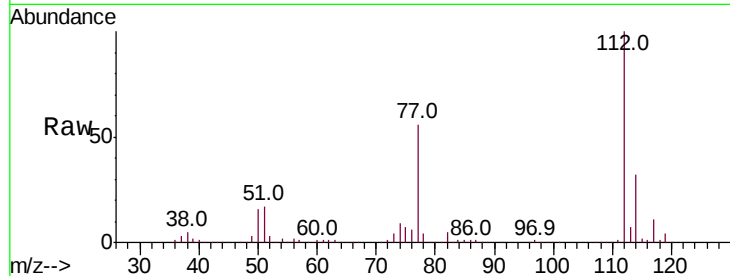
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

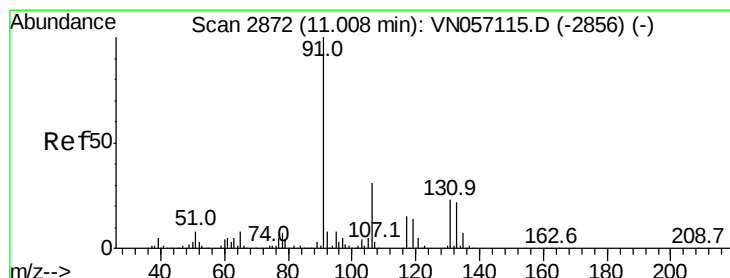
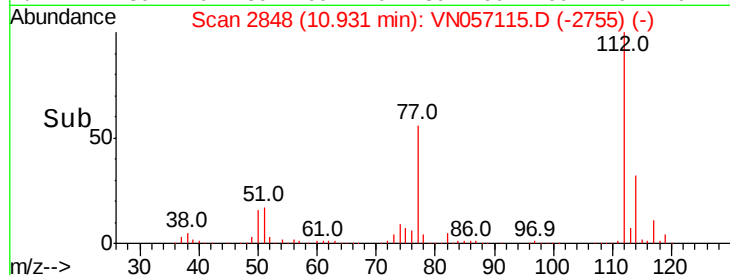
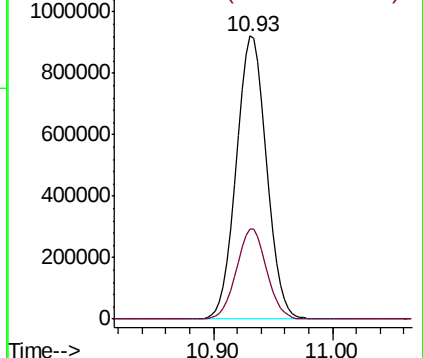
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.078 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

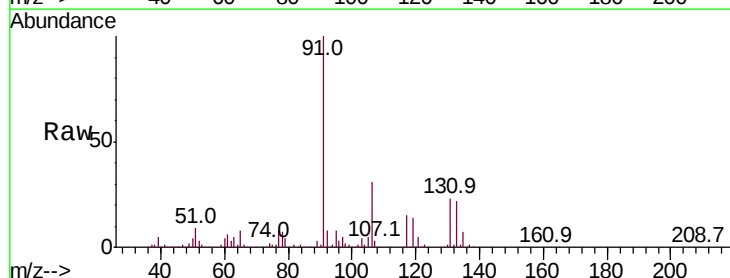
Tgt Ion:131 Resp: 613440

Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

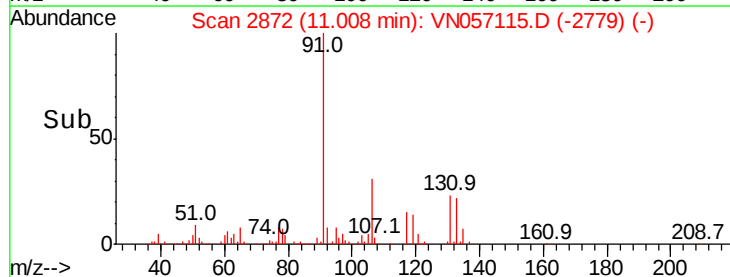
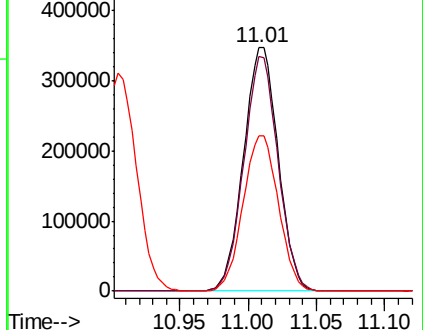
119 65.1 32.6 97.7

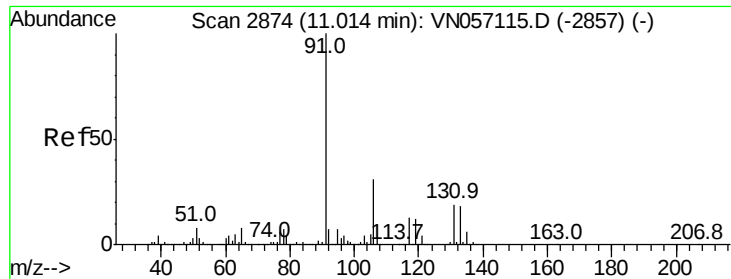


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.643 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 2840404

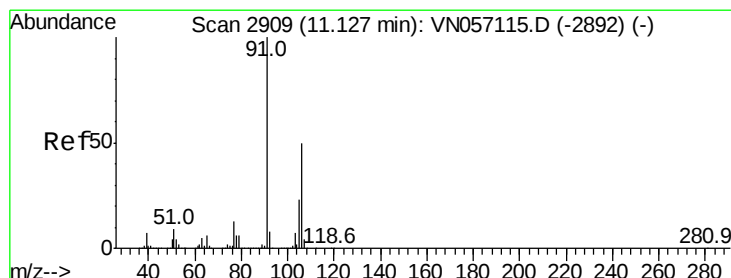
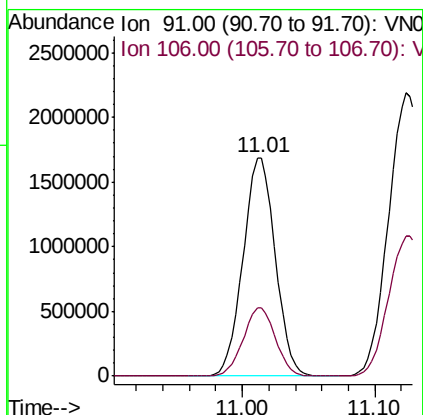
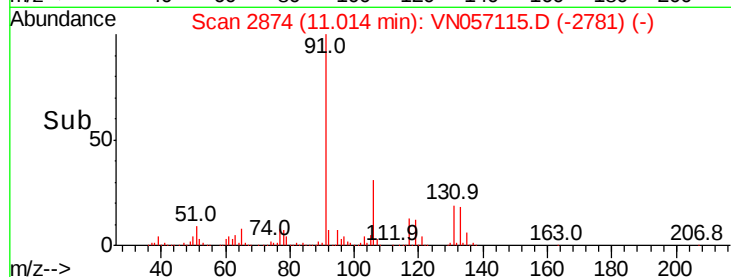
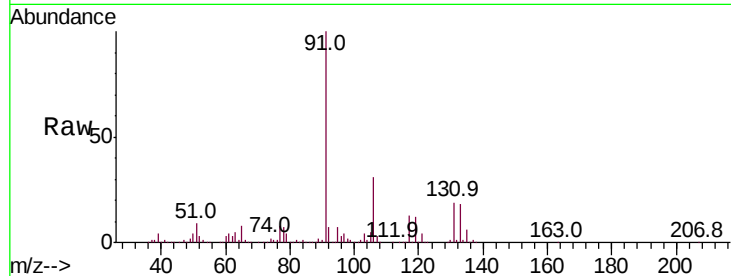
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 97.317 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057115.D

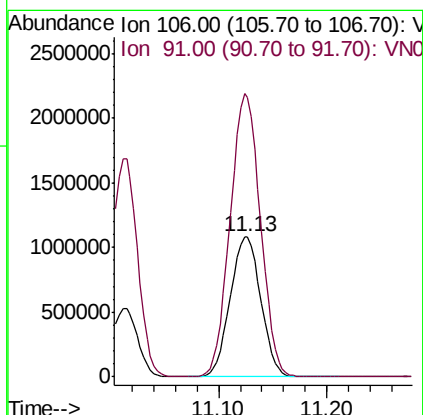
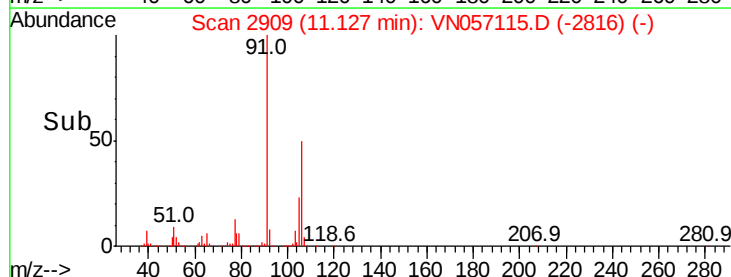
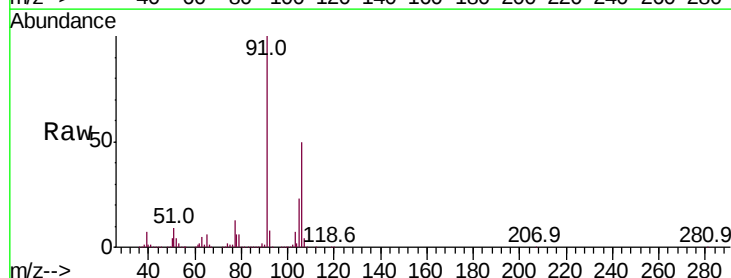
Acq: 7 Aug 2019 20:08

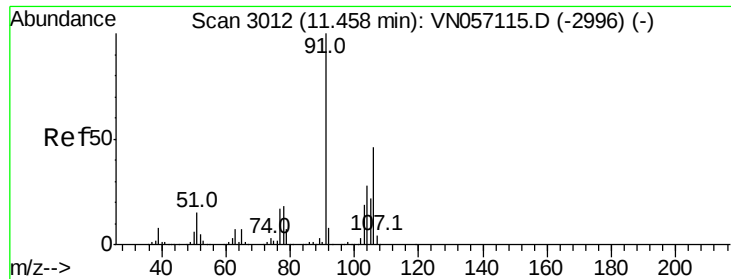
Tgt Ion: 106 Resp: 2140485

Ion Ratio Lower Upper

106 100

91 199.8 159.8 239.8





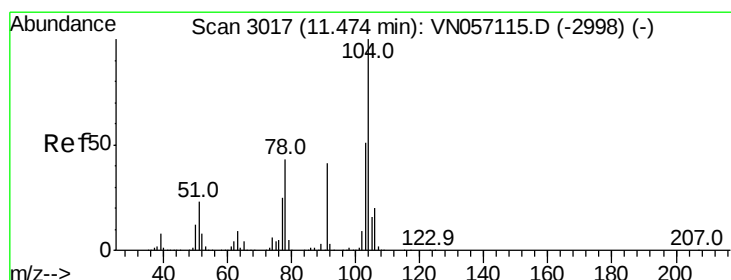
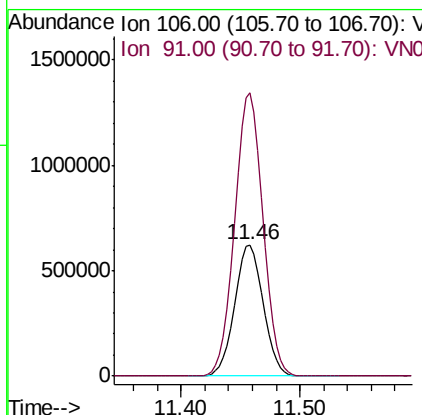
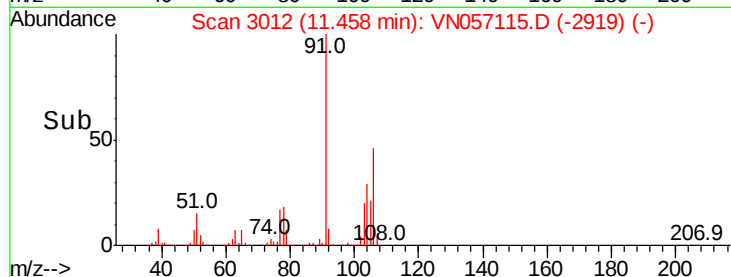
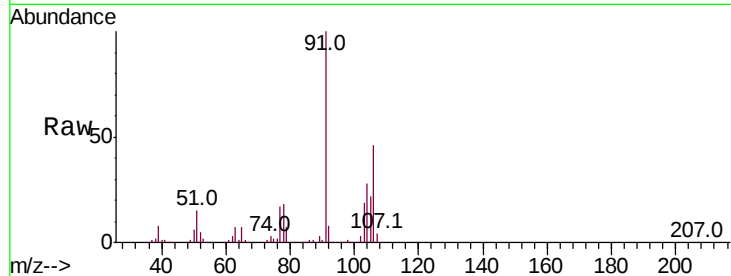
#69
o-Xylene
Concen: 47.914 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 1035315
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.5

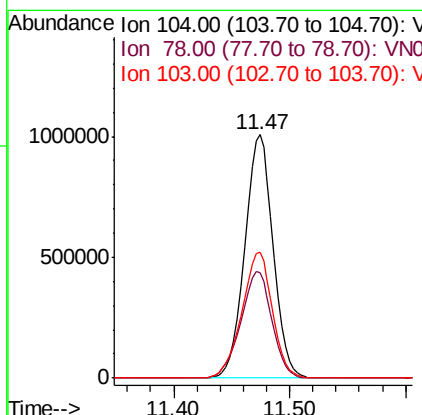
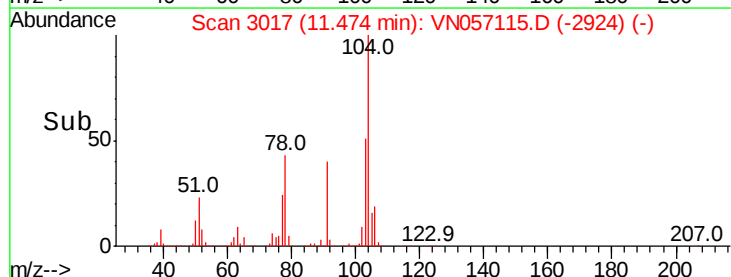
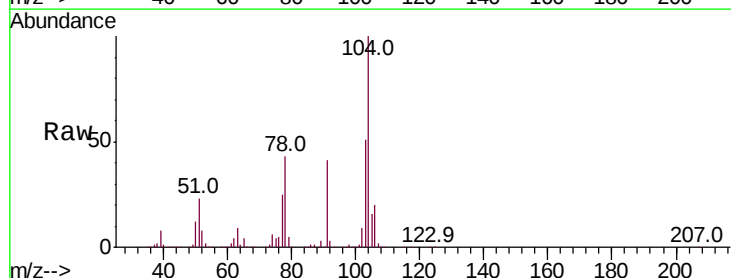
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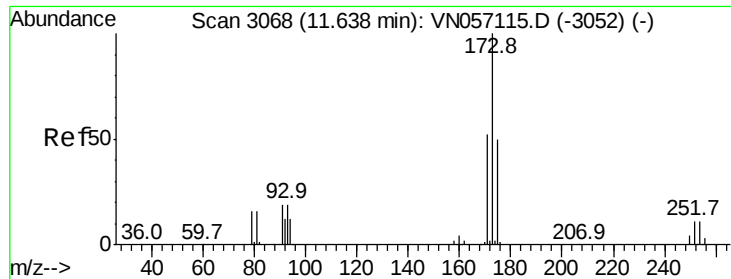
MMDadoda
8/8/2019 2:40:29 PM



#70
Styrene
Concen: 49.679 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion:104 Resp: 1711822
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.7 44.6 66.8





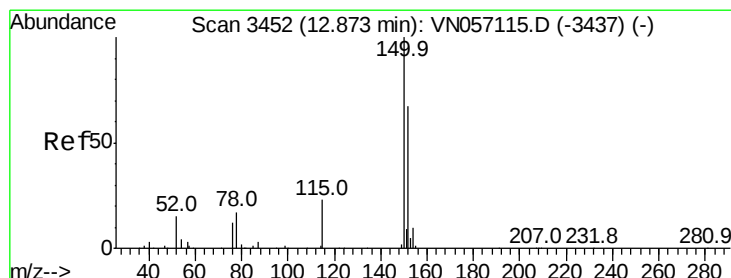
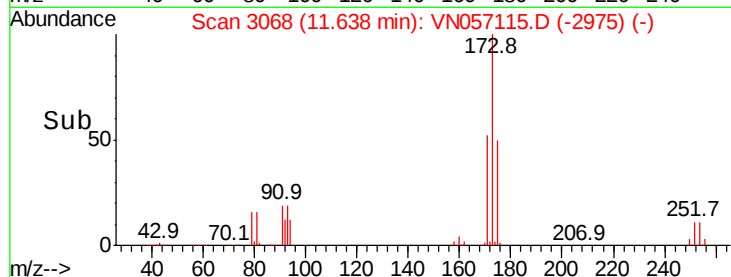
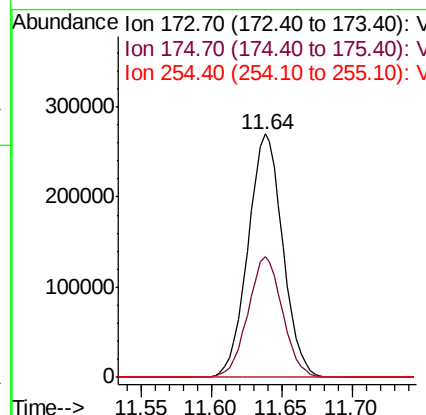
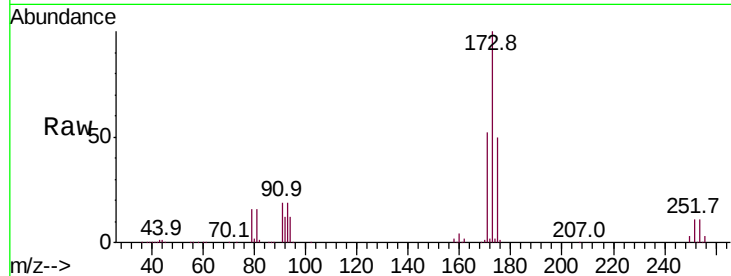
#71
Bromoform
Concen: 52.767 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1

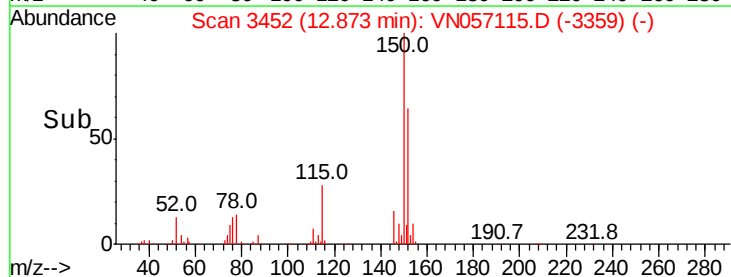
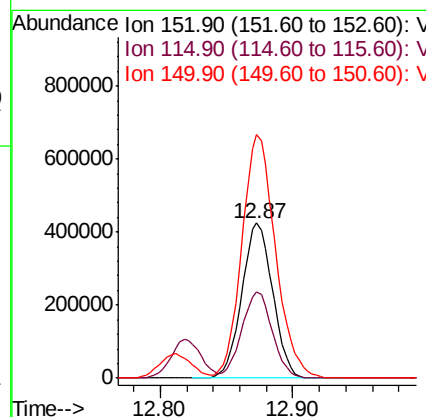
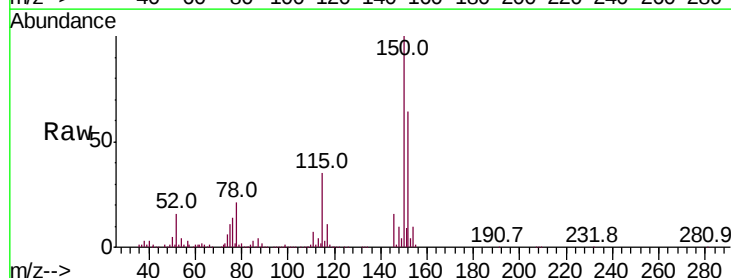
Manual Integrations
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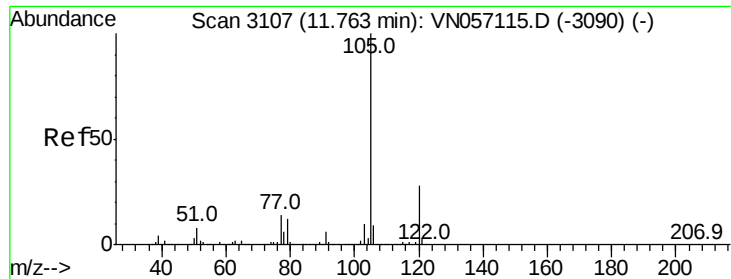
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.5	82.5
150	170.8	0.0	341.6





#73

Isopropylbenzene

Concen: 50.160 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2793744

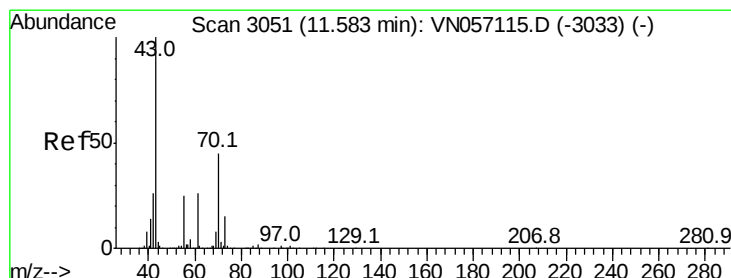
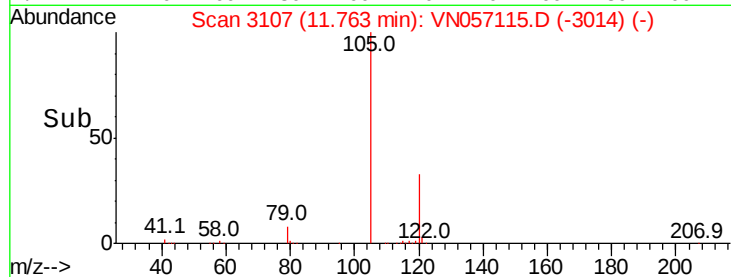
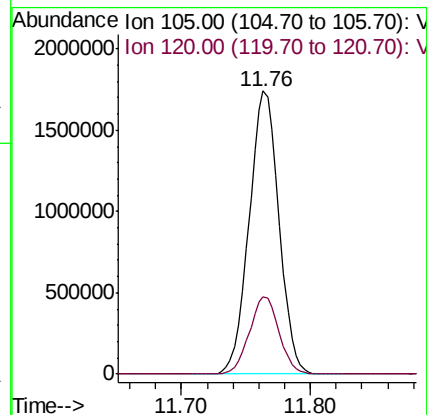
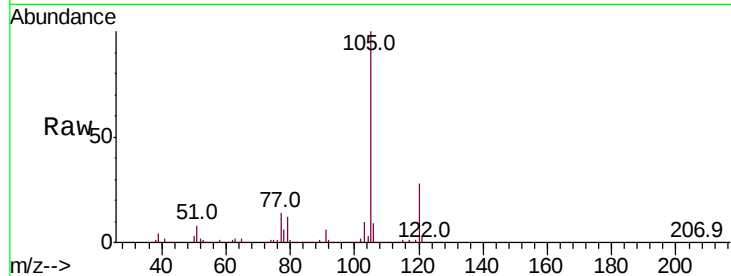
Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 49.829 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion: 43 Resp: 814478

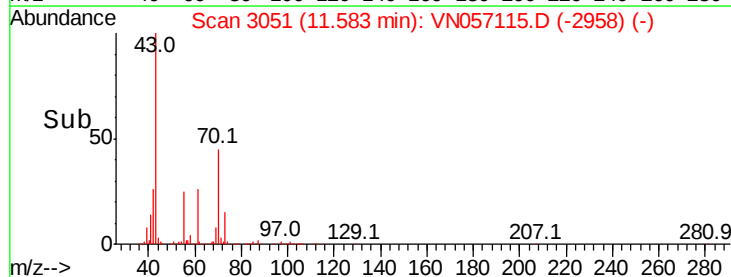
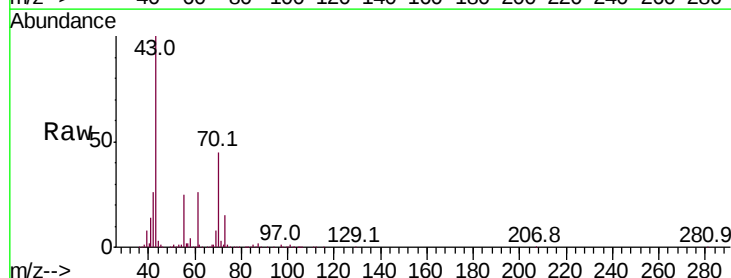
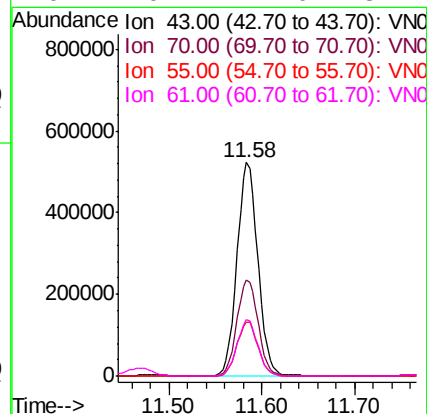
Ion Ratio Lower Upper

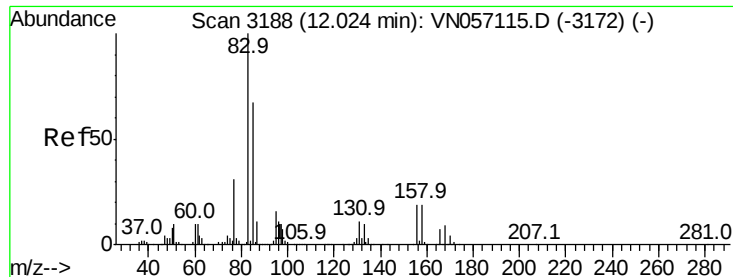
43 100

70 46.0 36.8 55.2

55 25.8 20.6 31.0

61 26.2 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.135 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 769783
Ion Ratio Lower Upper

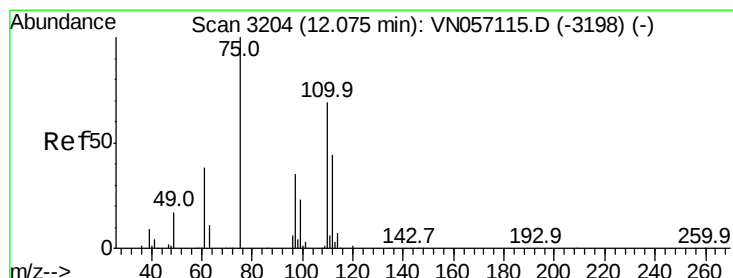
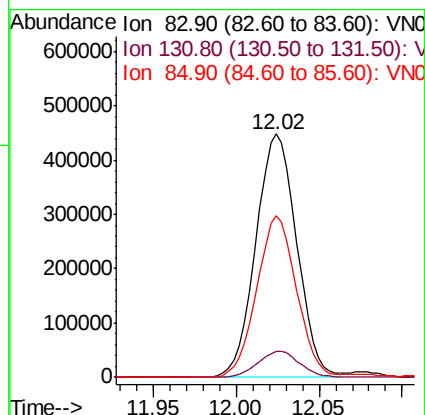
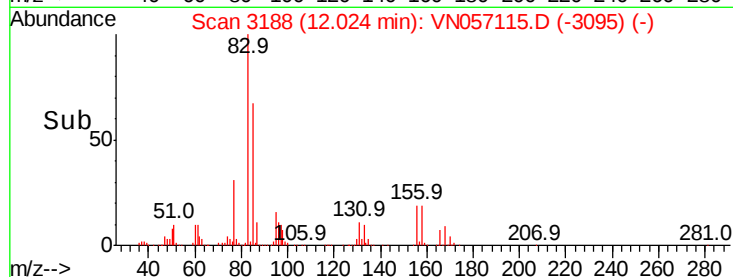
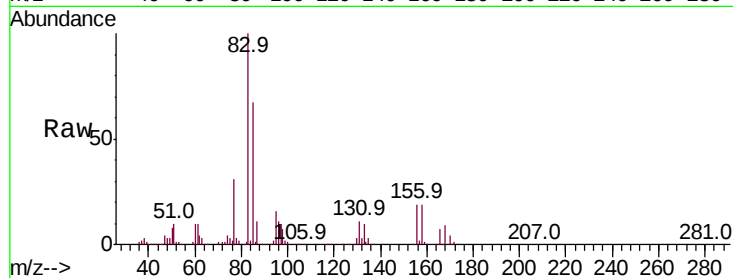
83 100

131 10.9 5.5 16.4

85 64.7 32.4 97.0

Manual Integrations
APPROVED

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8/8/2019 2:40:29 PM



#76

1,2,3-Trichloropropane

Concen: 52.147 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

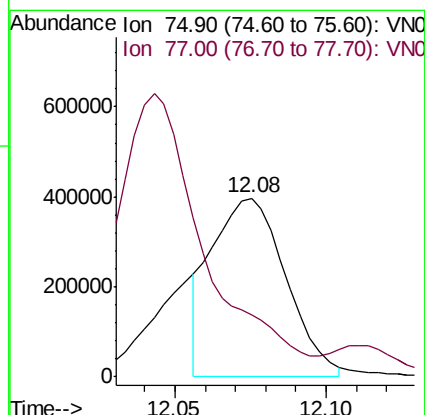
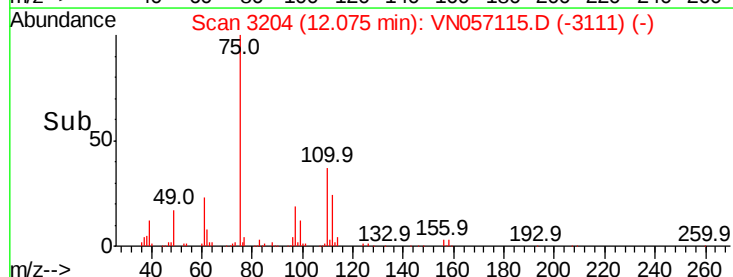
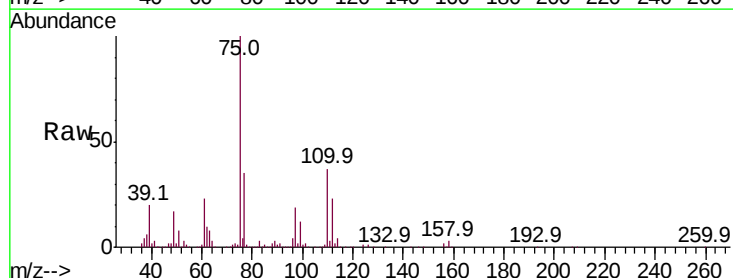
Lab File: VN057115.D

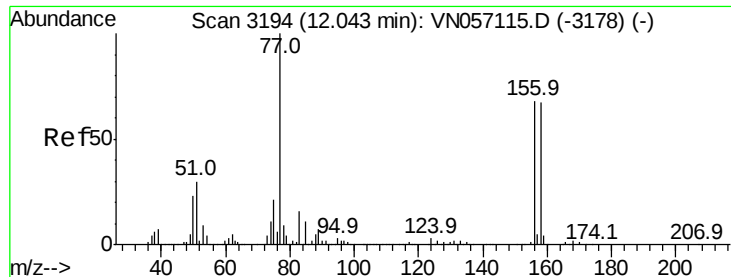
Acq: 7 Aug 2019 20:08

Tgt Ion: 75 Resp: 674967
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.811 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

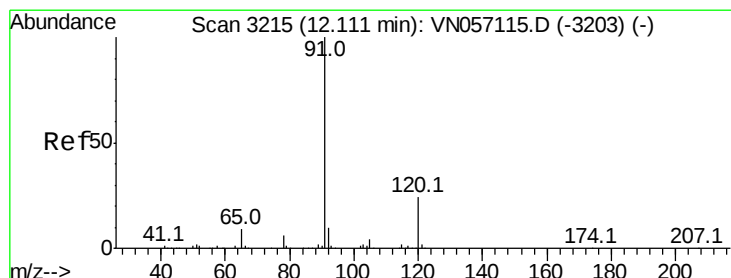
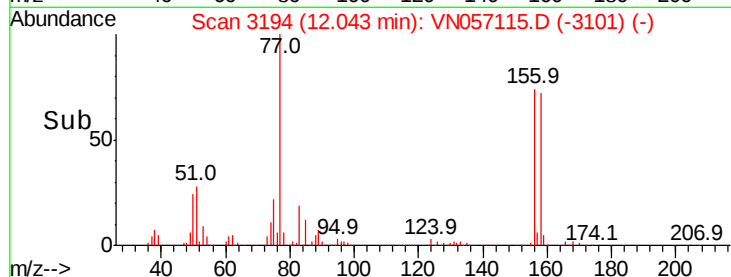
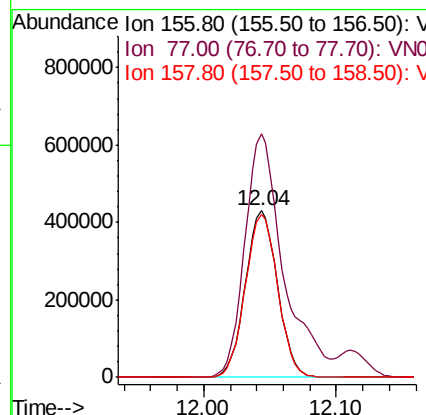
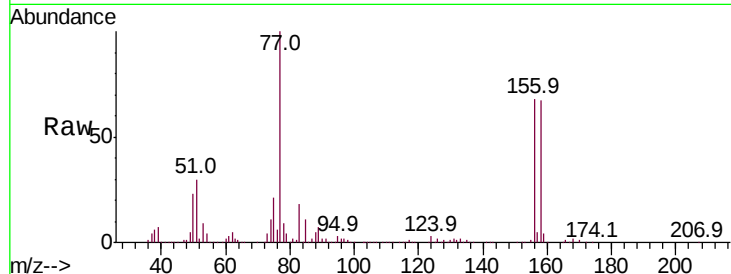
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	723983
Ion Ratio	Lower	Upper	
156	100		
77	177.4	88.7	266.1
158	98.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.290 ug/l

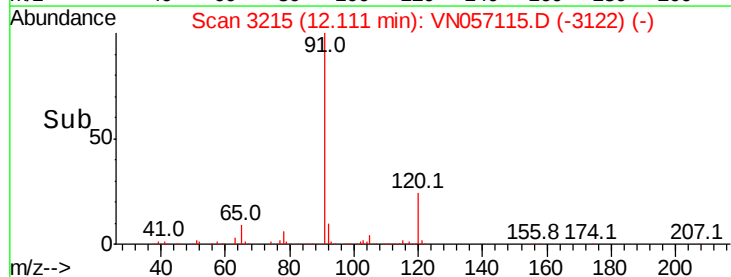
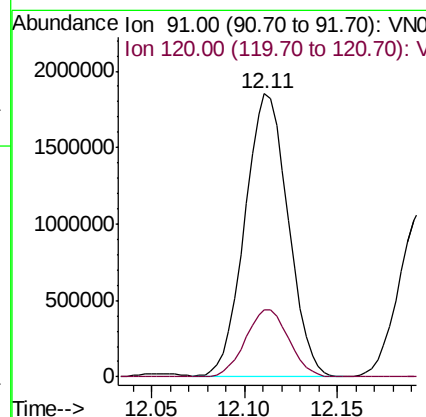
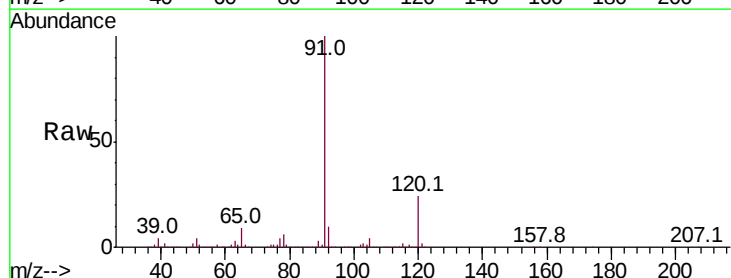
RT: 12.11 min Scan# 3215

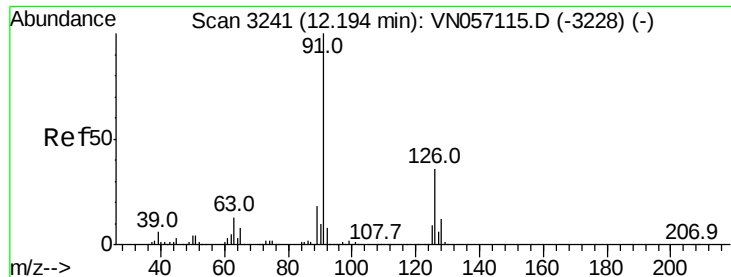
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	91	Resp:	2986801
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 49.576 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1811777

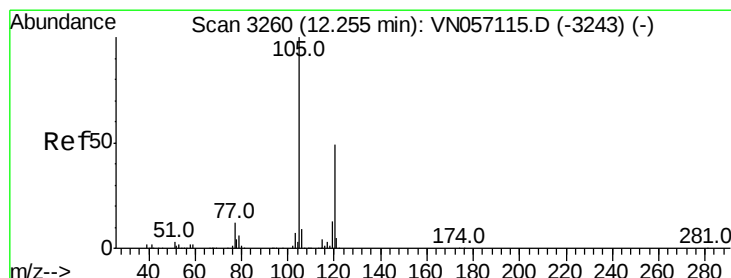
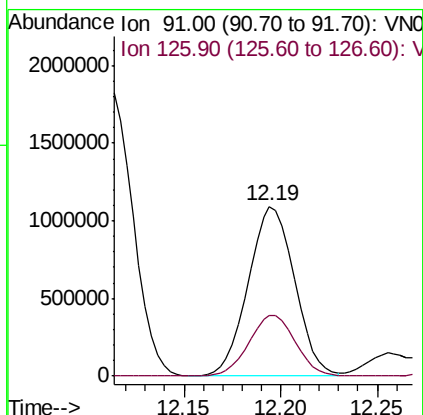
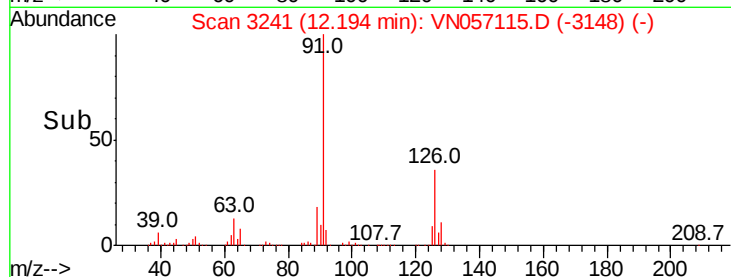
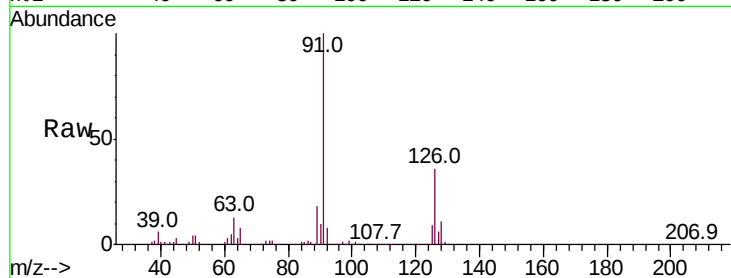
Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 50.258 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057115.D

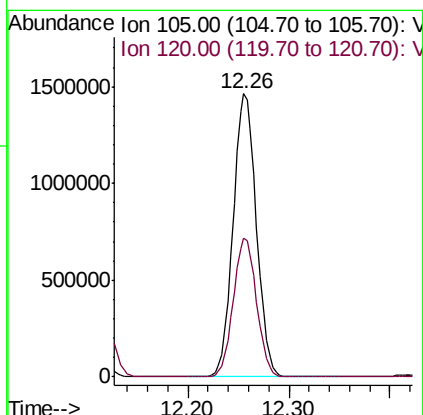
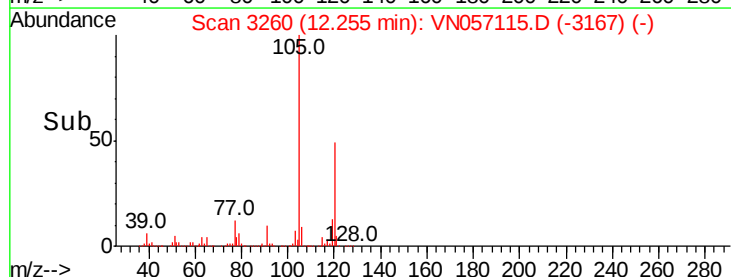
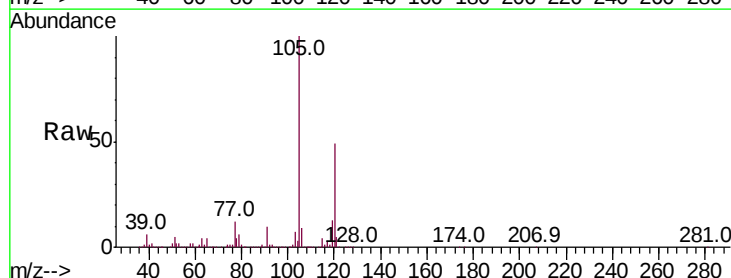
Acq: 7 Aug 2019 20:08

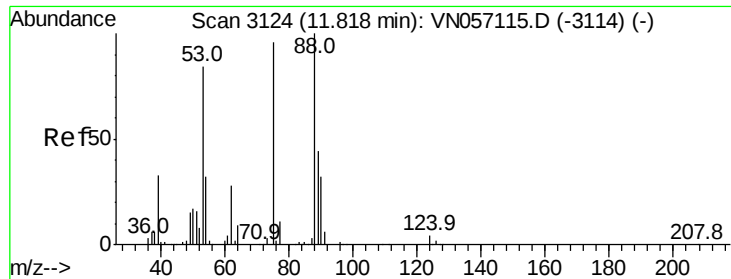
Tgt Ion:105 Resp: 2337923

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6





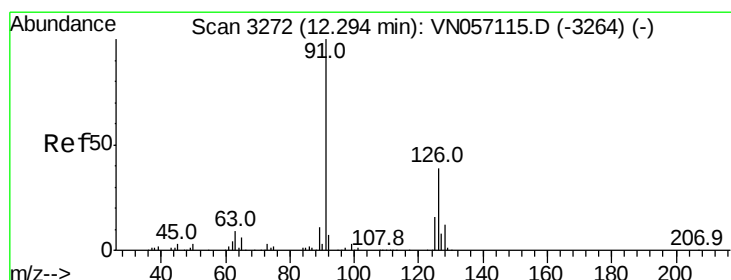
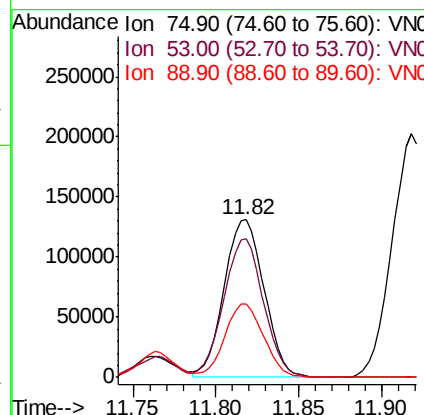
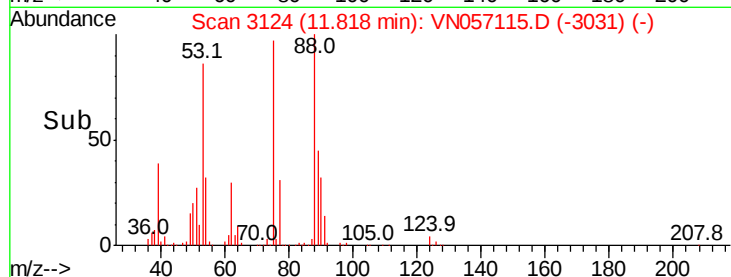
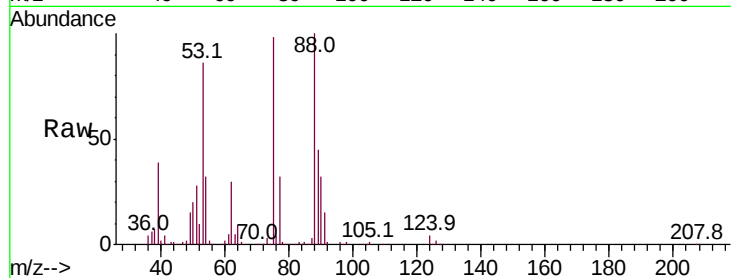
#81
trans-1,4-Dichloro-2-butene
Concen: 53.317 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	70.6	106.0
89	45.5	36.4	54.6

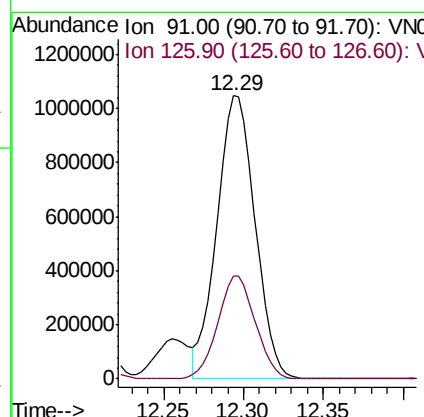
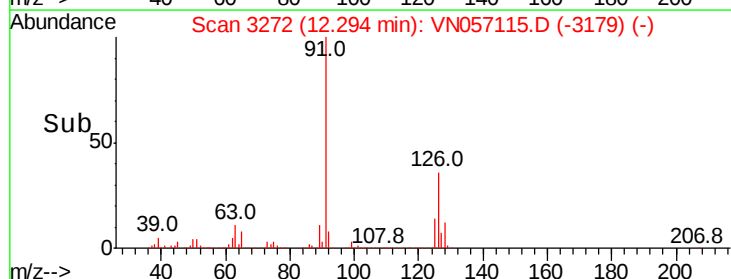
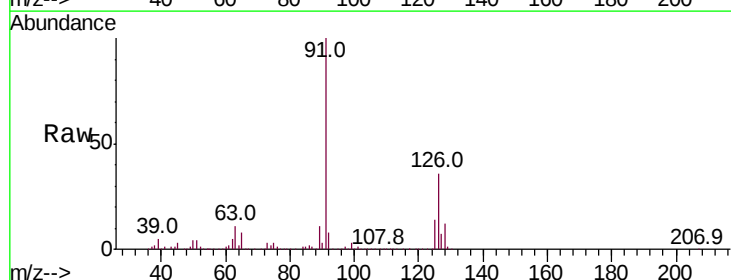
Manual Integrations
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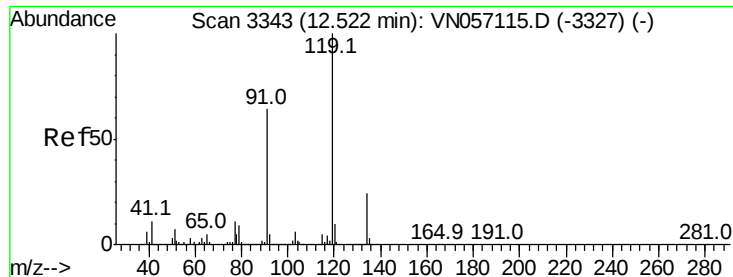
MMDadoda
8/8/2019 2:40:29 PM



#82
4-Chlorotoluene
Concen: 50.218 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 49.564 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057115.D

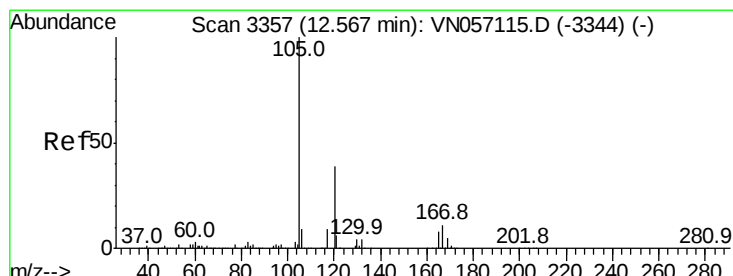
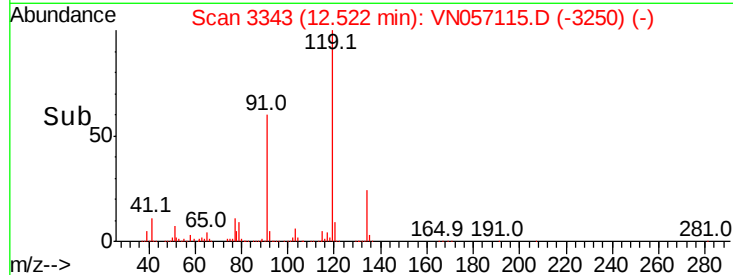
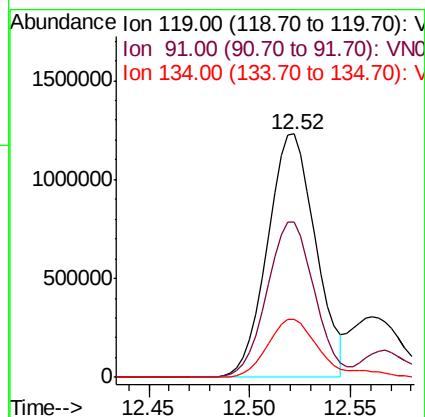
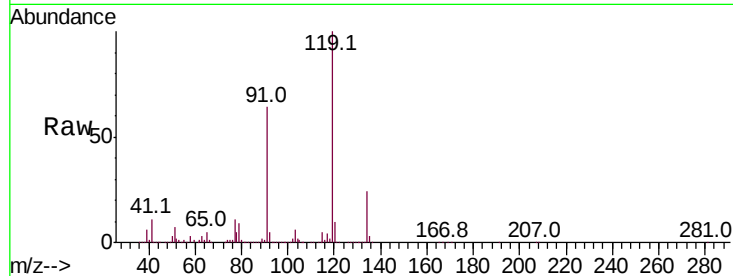
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.4	94.2
134	26.4	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.536 ug/l

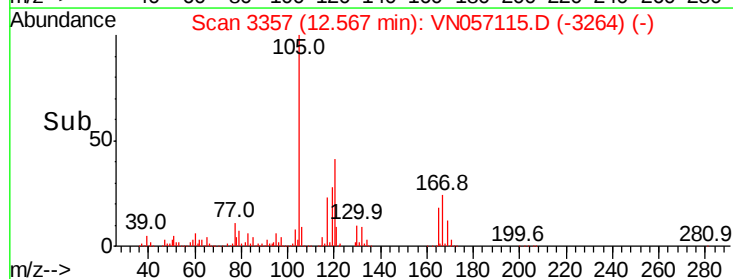
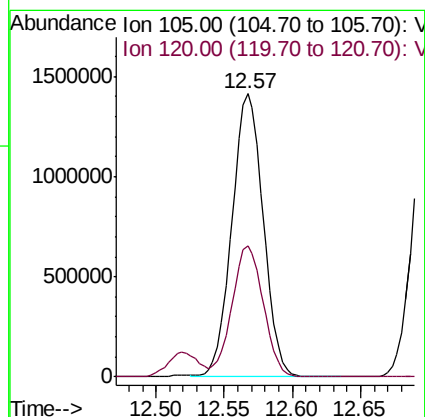
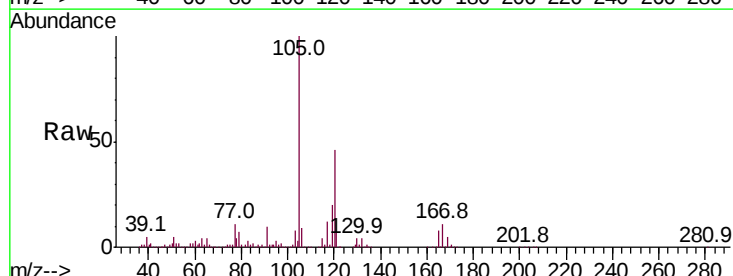
RT: 12.57 min Scan# 3357

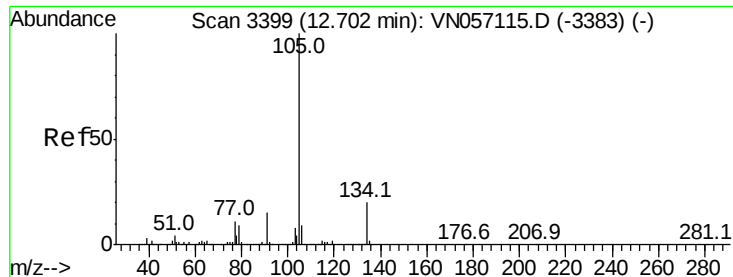
Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 51.530 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2615255

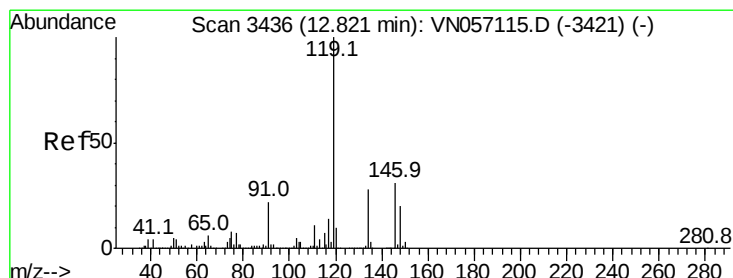
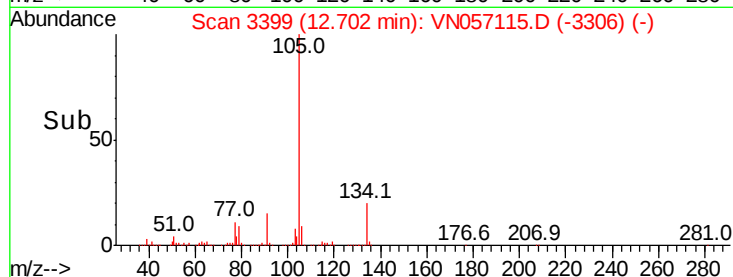
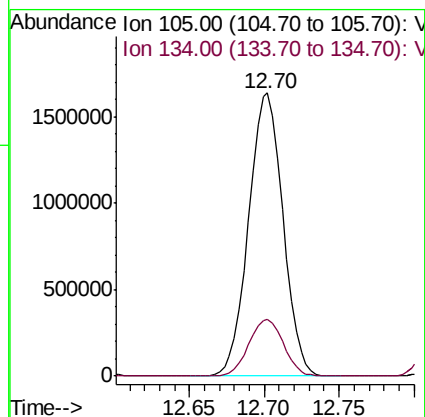
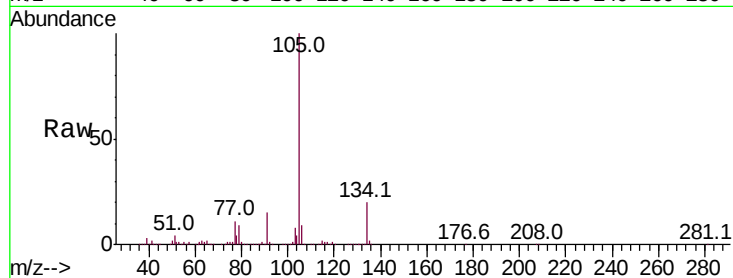
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.939 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

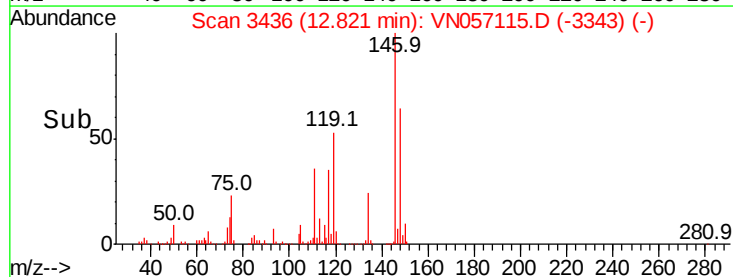
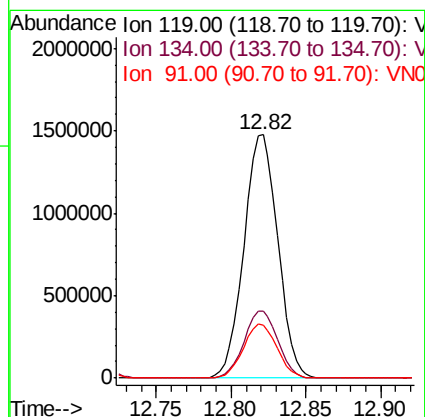
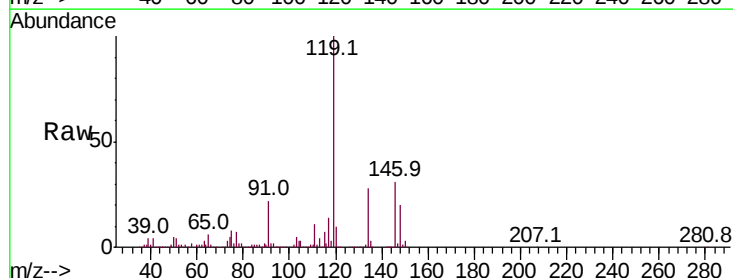
Tgt Ion:119 Resp: 2329805

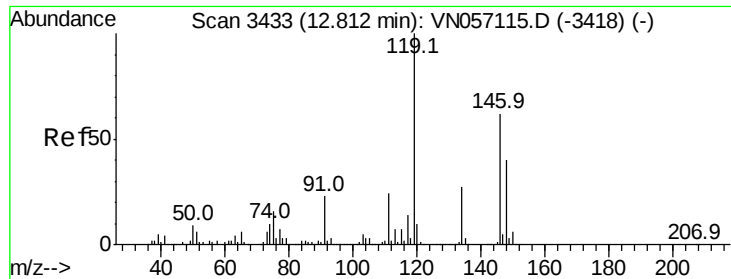
Ion Ratio Lower Upper

119 100

134 27.5 13.8 41.3

91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.164 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 1103239

Ion Ratio Lower Upper

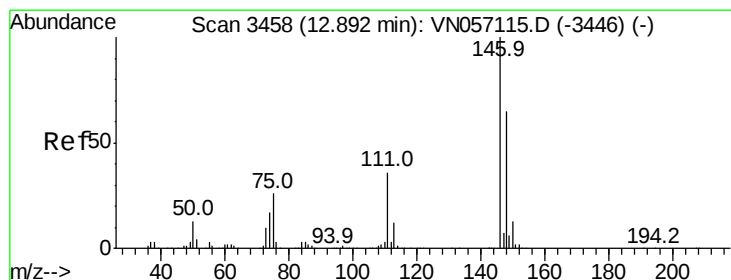
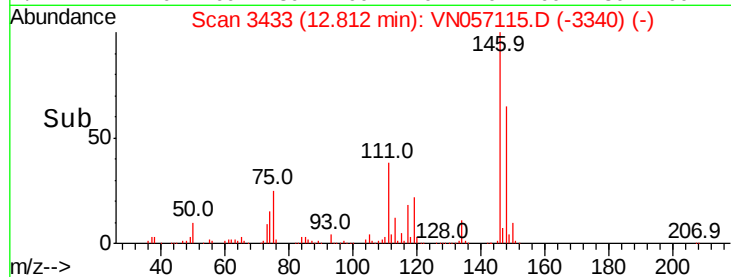
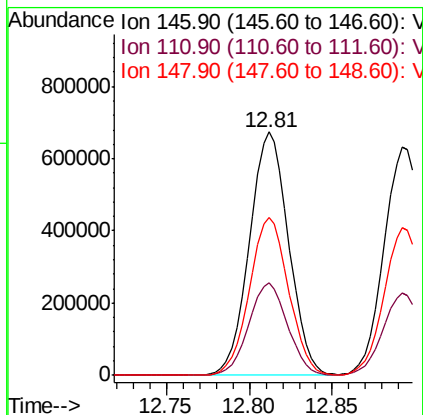
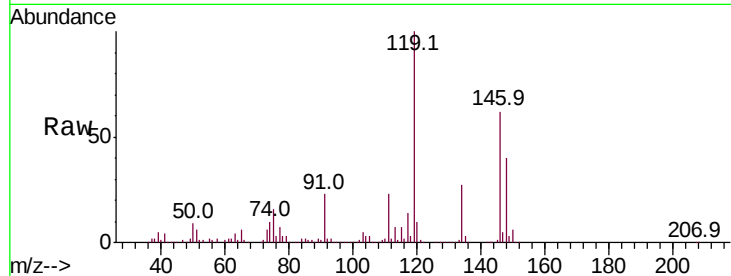
146 100

111 37.6 18.8 56.4

148 64.7 32.4 97.0

Manual Integrations
APPROVED

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#88

1,4-Dichlorobenzene

Concen: 47.653 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

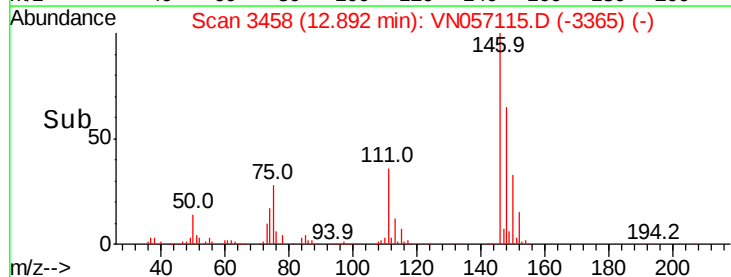
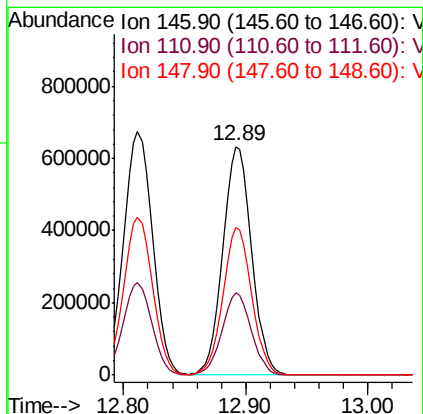
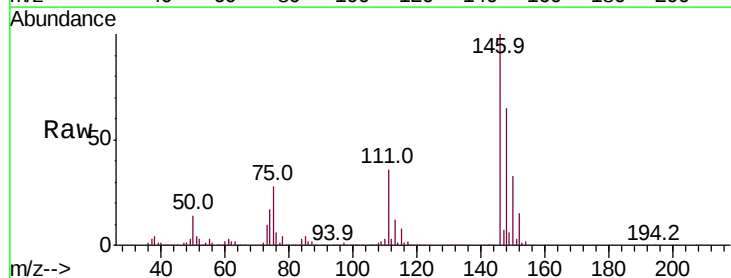
Tgt Ion:146 Resp: 1049722

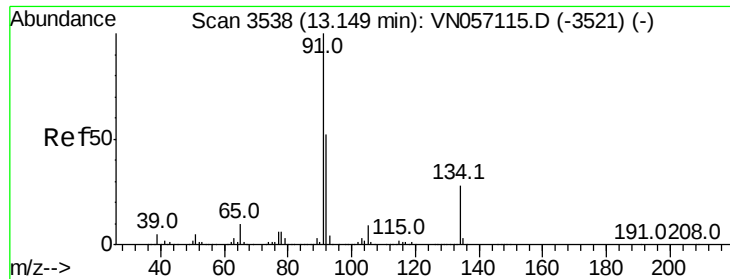
Ion Ratio Lower Upper

146 100

111 36.4 18.2 54.6

148 64.1 32.0 96.2





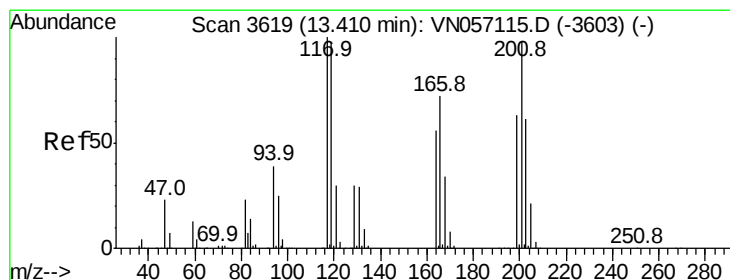
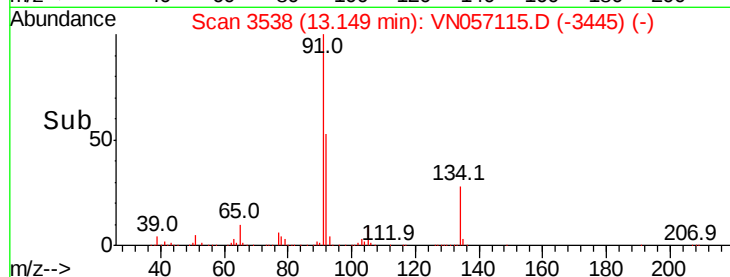
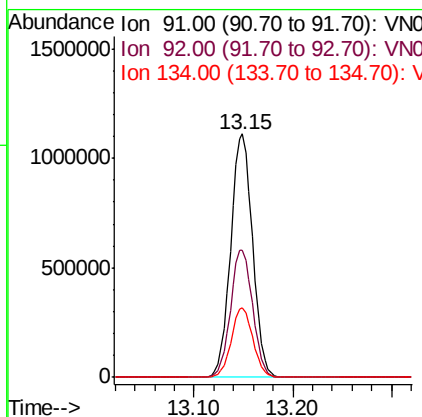
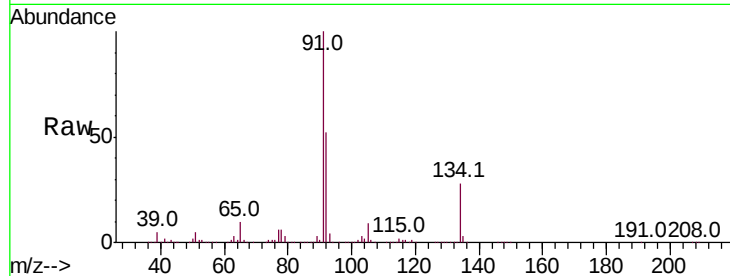
#89
n-Butylbenzene
Concen: 50.152 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	28.2	14.1	42.3

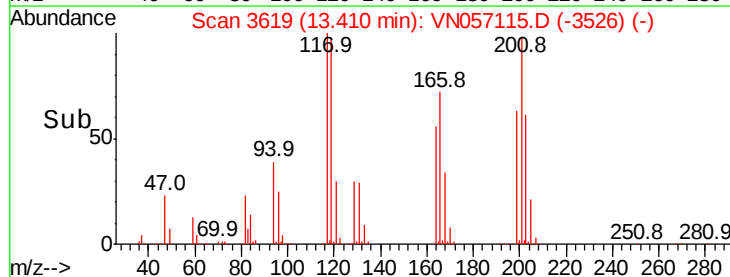
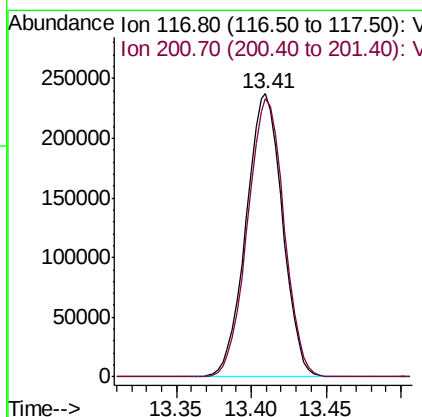
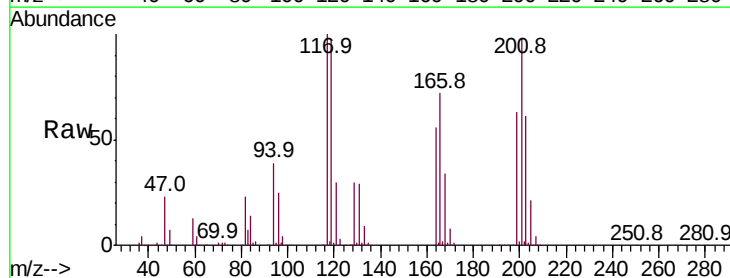
Manual Integrations
APPROVED

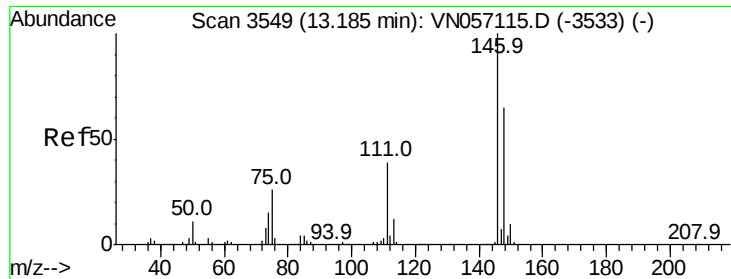
MMDadoda
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#90
Hexachloroethane
Concen: 51.690 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057115.D
Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.5	49.3	147.8





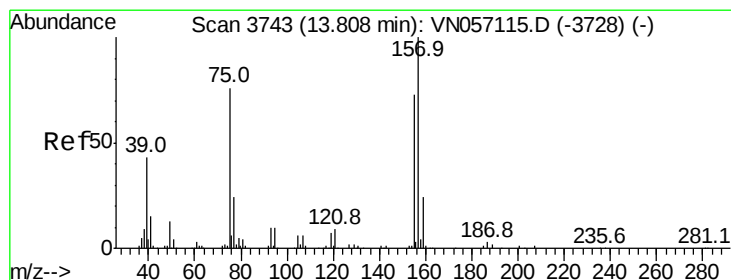
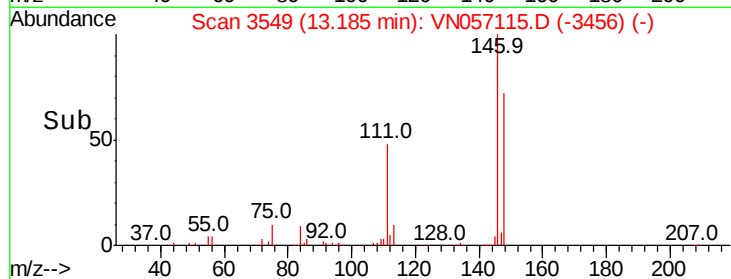
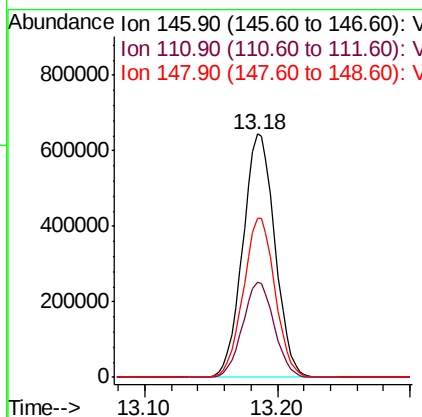
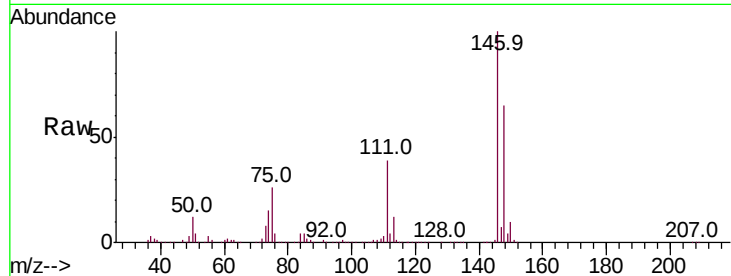
#91
 1,2-Dichlorobenzene
 Concen: 47.566 ug/l
 RT: 13.18 min Scan# 3549
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.7	32.4	97.0

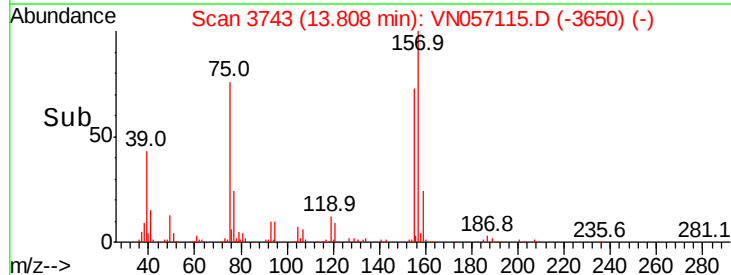
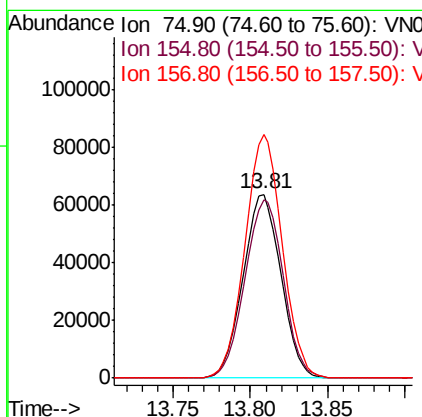
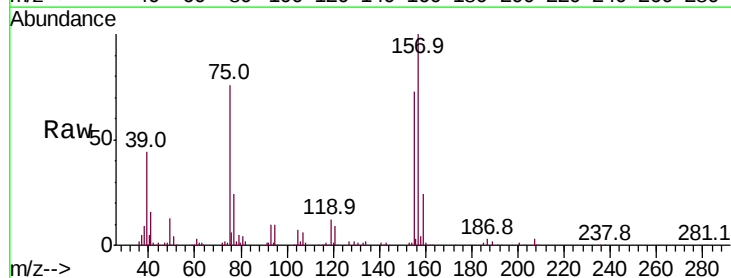
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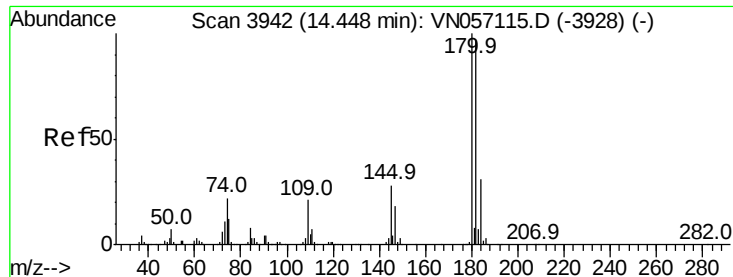
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.904 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	49.3	147.9
157	130.5	65.3	195.8





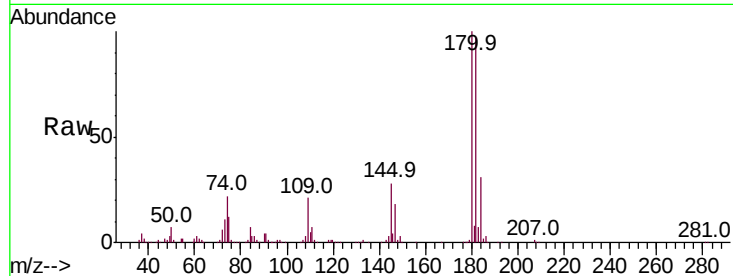
#93
 1,2,4-Trichlorobenzene
 Concen: 39.922 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

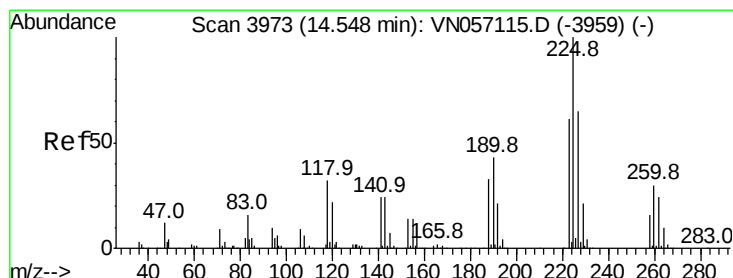
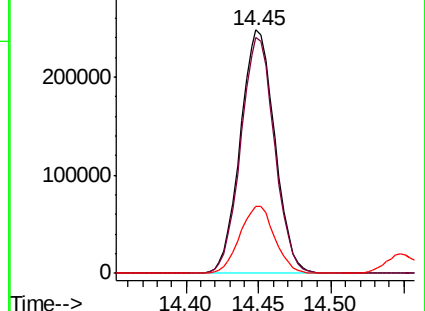
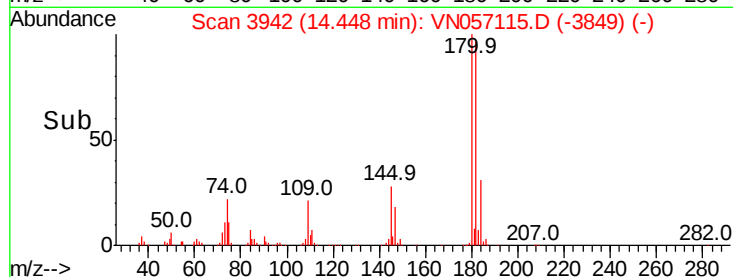
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.5	142.6	
145	28.1	14.1	42.2	

Manual Integrations
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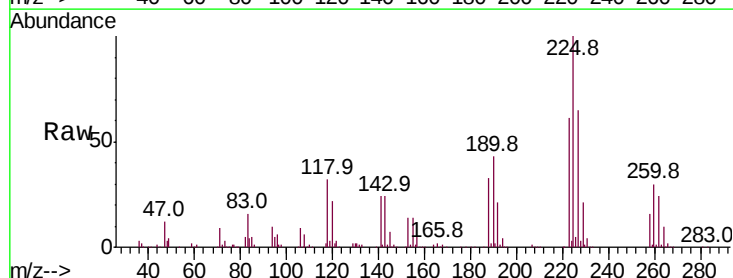


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

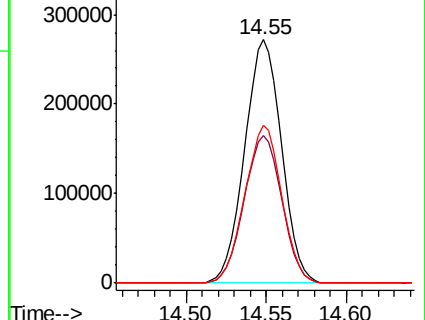
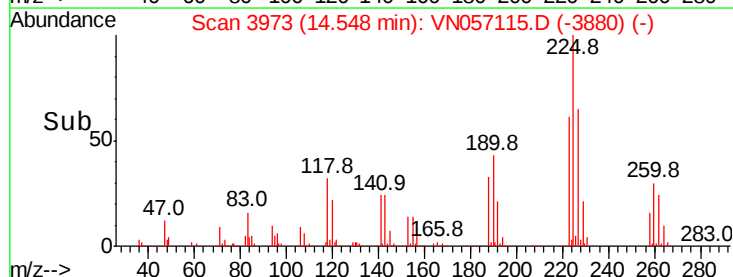


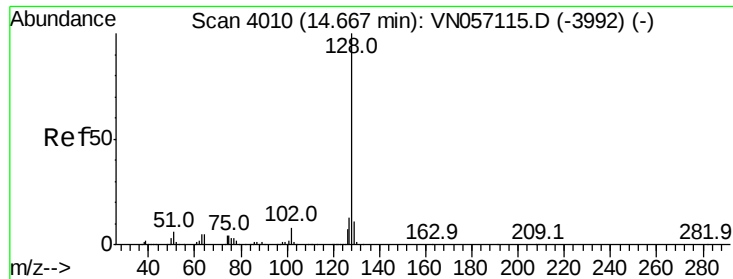
#94
 Hexachlorobutadiene
 Concen: 47.050 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057115.D
 Acq: 7 Aug 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	30.9	92.8	
227	64.7	32.4	97.0	



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





#95

Naphthalene

Concen: 43.376 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Instrument :

MSVOA_N

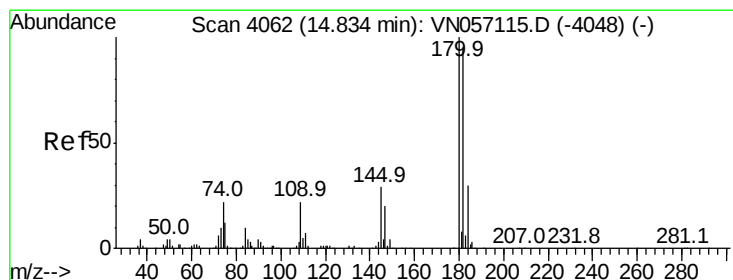
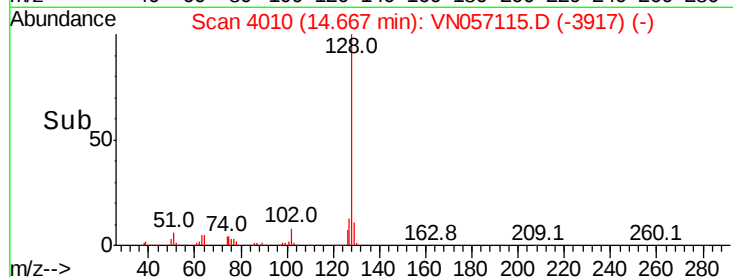
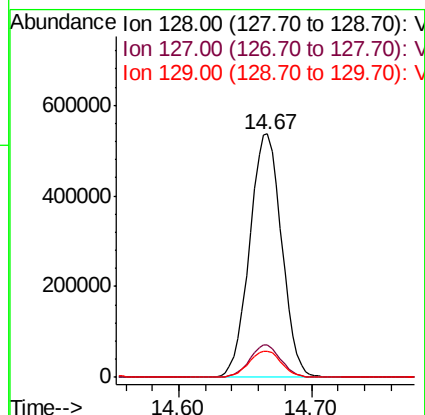
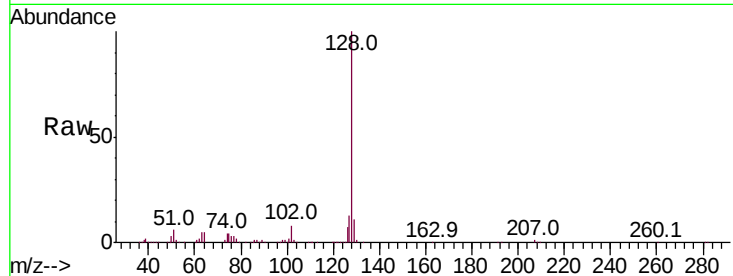
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	902605
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 38.857 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057115.D

Acq: 7 Aug 2019 20:08

Tgt Ion:	180	Resp:	406869
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.8
145	29.7	14.9	44.5

