

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056944.D
 Acq On : 26 Jul 2019 15:57
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN072719

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:31 AM

Quant Time: Jul 27 01:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	636989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	928088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	821634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	359332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	304426	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.58	113	286287	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.08	98	1081419	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
62) 4-Bromofluorobenzene	12.40	95	359143	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	328006	50.936	ug/l	96
3) Chloromethane	2.05	50	390868	50.689	ug/l	100
4) Vinyl Chloride	2.18	62	344191	47.603	ug/l	100
5) Bromomethane	2.54	94	202781	45.112	ug/l	100
6) Chloroethane	2.69	64	184828	46.372	ug/l	100
7) Trichlorofluoromethane	3.00	101	459388	48.536	ug/l	100
8) Diethyl Ether	3.40	74	176940	49.951	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	283259	48.271	ug/l	99
10) Methyl Iodide	3.94	142	296610	37.828	ug/l	99
11) Tert butyl alcohol	4.77	59	221252	251.035	ug/l	97
12) 1,1-Dichloroethene	3.72	96	275521	49.208	ug/l	99
13) Acrolein	3.59	56	95364	210.532	ug/l	97
14) Allyl chloride	4.31	41	445894	48.957	ug/l	99
15) Acrylonitrile	4.97	53	653603	252.880	ug/l	98
16) Acetone	3.80	43	601667	254.703	ug/l	99
17) Carbon Disulfide	4.04	76	698530	46.950	ug/l	100
18) Methyl Acetate	4.31	43	357413	47.429	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	835600	50.051	ug/l	99
20) Methylene Chloride	4.54	84	302149	44.404	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	288028	48.437	ug/l	98
22) Diisopropyl ether	5.93	45	913318	48.670	ug/l	98
23) Vinyl Acetate	5.88	43	3335495	256.538	ug/l	99
24) 1,1-Dichloroethane	5.83	63	529446	47.819	ug/l	99
25) 2-Butanone	6.82	43	855540	255.413	ug/l	98
26) 2,2-Dichloropropane	6.81	77	412929	49.049	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	335659	47.725	ug/l	99
28) Bromochloromethane	7.18	49	246136	47.295	ug/l	99
29) Tetrahydrofuran	7.19	42	554717	253.822	ug/l	99
30) Chloroform	7.36	83	519234	45.867	ug/l	99
31) Cyclohexane	7.64	56	500436	46.708	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	437869	48.478	ug/l	98
36) 1,1-Dichloropropene	7.78	75	401306	49.140	ug/l	100
37) Ethyl Acetate	6.91	43	341759	52.251	ug/l	99
38) Carbon Tetrachloride	7.76	117	381886	49.437	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	517348	49.566	ug/l	99
40) Benzene	8.03	78	1206733	47.975	ug/l	99
41) Methacrylonitrile	7.16	41	160426	53.056	ug/l	90
42) 1,2-Dichloroethane	8.11	62	374714	47.533	ug/l	99
43) Isopropyl Acetate	8.15	43	545344	50.445	ug/l	99
44) Trichloroethene	8.82	130	335744	48.450	ug/l	100
45) 1,2-Dichloropropane	9.11	63	325179	48.333	ug/l	100
46) Dibromomethane	9.20	93	199663	49.210	ug/l	99
47) Bromodichloromethane	9.39	83	392490	49.201	ug/l	98
48) Methyl methacrylate	9.19	41	264996	50.772	ug/l	99
49) 1,4-Dioxane	9.19	88	110704	1029.237	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1647985	256.565	ug/l	100
52) Toluene	10.15	92	738265	48.852	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	423665	51.179	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	492658	51.185	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	294362	48.570	ug/l	98
56) Ethyl methacrylate	10.42	69	425934	46.659	ug/l	100
57) 1,3-Dichloropropane	10.70	76	487269	48.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	912175	251.166	ug/l	99
59) 2-Hexanone	10.74	43	1177508	238.167	ug/l	99
60) Dibromochloromethane	10.89	129	314152	50.595	ug/l	98
61) 1,2-Dibromoethane	11.00	107	302113	51.081	ug/l	99
64) Tetrachloroethene	10.62	164	316829	44.747	ug/l	98
65) Chlorobenzene	11.43	112	800653	47.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	305337	48.444	ug/l	99
67) Ethyl Benzene	11.50	91	1414063	48.858	ug/l	99
68) m/p-Xylenes	11.61	106	1060922	99.325	ug/l	98
69) o-Xylene	11.94	106	508176	48.629	ug/l	100
70) Styrene	11.96	104	857975	46.583	ug/l	99
71) Bromoform	12.12	173	223838	50.866	ug/l #	99
73) Isopropylbenzene	12.24	105	1370852	44.143	ug/l	100
74) N-amyl acetate	12.06	43	432663	47.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	390102	49.682	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	324444m	44.460	ug/l	
77) Bromobenzene	12.52	156	354996	43.799	ug/l	100
78) n-propylbenzene	12.58	91	1521590	45.888	ug/l	99
79) 2-Chlorotoluene	12.67	91	898443	44.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1156528	45.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	113063	49.780	ug/l	100
82) 4-Chlorotoluene	12.77	91	878972	46.002	ug/l	100
83) tert-Butylbenzene	12.99	119	1000040	44.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1138145	46.408	ug/l	99
85) sec-Butylbenzene	13.17	105	1318666	45.310	ug/l	100
86) p-Isopropyltoluene	13.28	119	1195537	46.269	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	581494	47.165	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	563129	47.446	ug/l	99
89) n-Butylbenzene	13.61	91	969804	48.700	ug/l	99
90) Hexachloroethane	13.87	117	202256	45.459	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	573922	47.298	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	61717	49.967	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	304724	48.752	ug/l	100
94) Hexachlorobutadiene	15.00	225	225098	53.328	ug/l	99
95) Naphthalene	15.12	128	697207	45.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	301896	47.819	ug/l	99

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

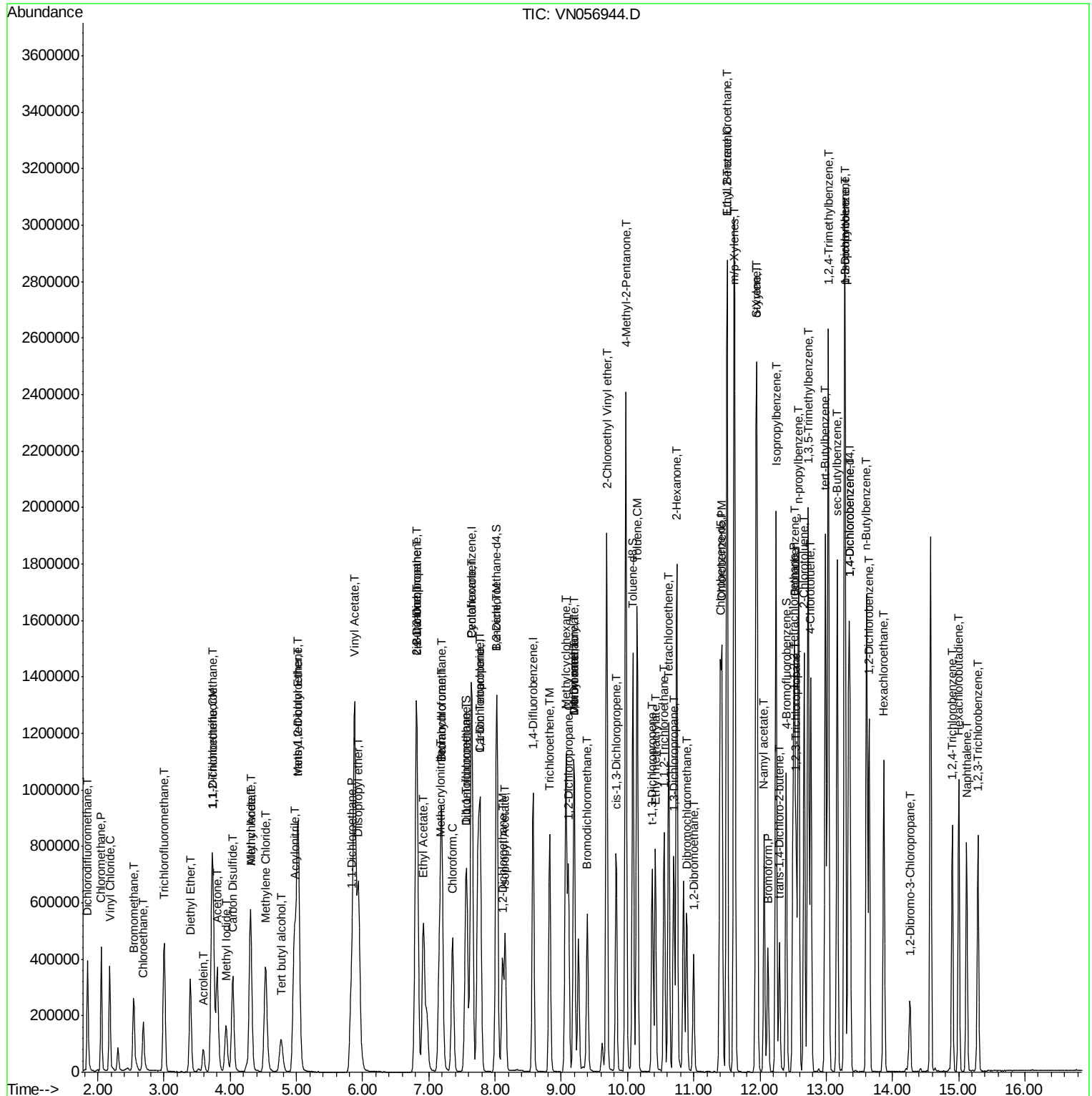
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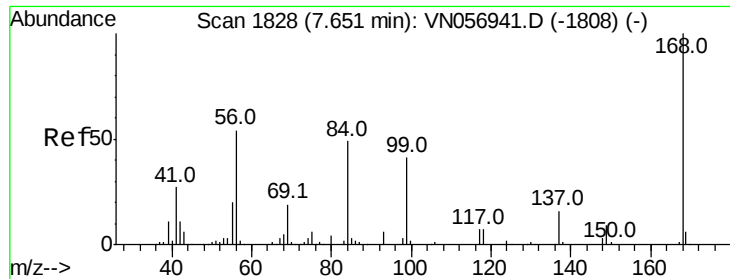
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN072719

Tot Ion:168 Resp: 636989

Ion Ratio Lower Upper

168 100

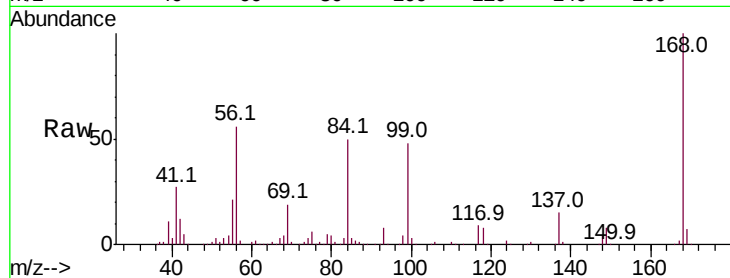
99 47.5 39.0 58.4

Manual Integrations

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8/2/2019 9:13:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

300000

250000

200000

150000

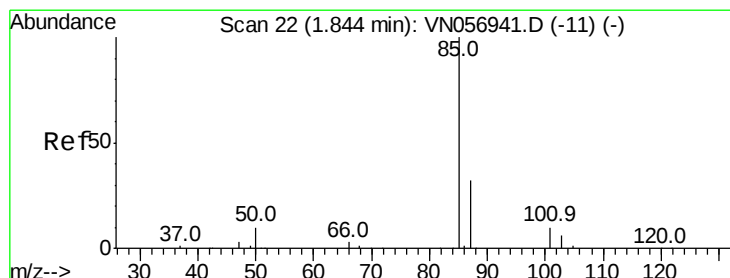
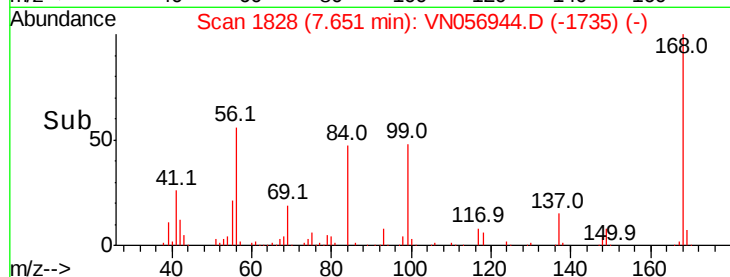
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.936 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056944.D

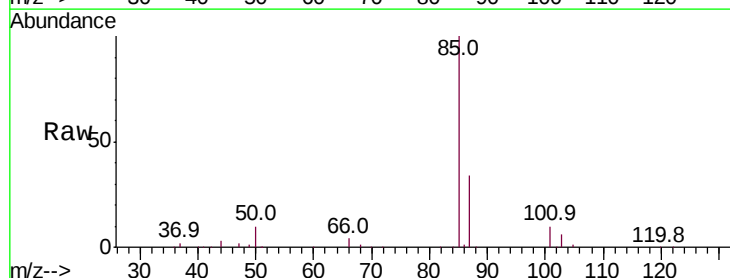
Acq: 26 Jul 2019 15:57

Tgt Ion: 85 Resp: 328006

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

250000

200000

150000

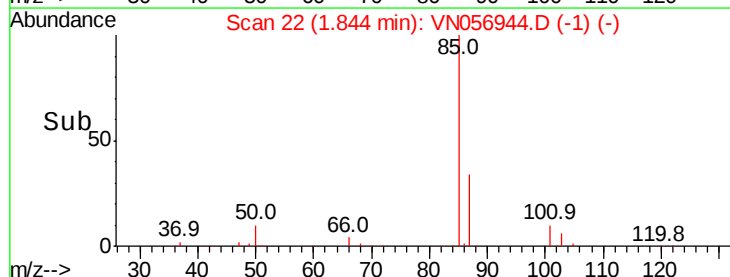
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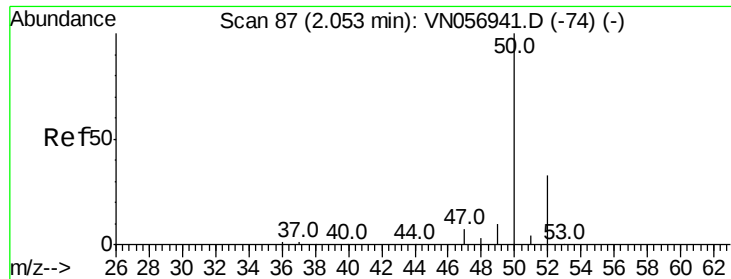
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.689 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion: 50 Resp: 390868

Ion Ratio Lower Upper

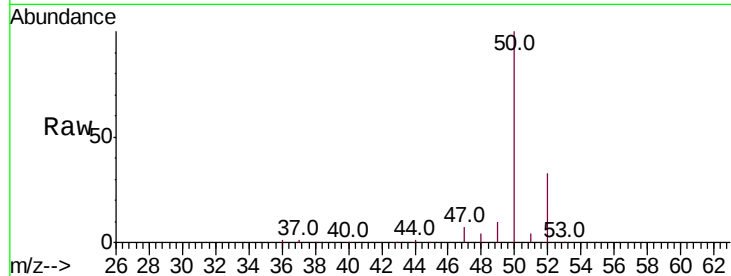
50 100

52 32.6 26.2 39.2

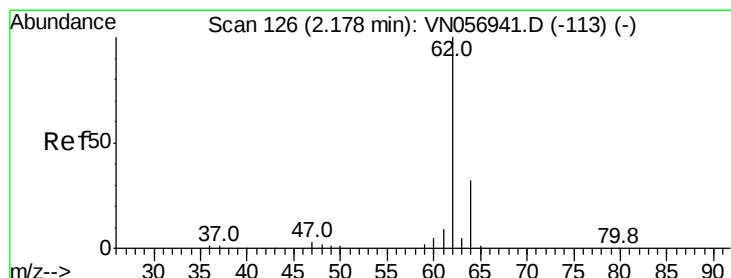
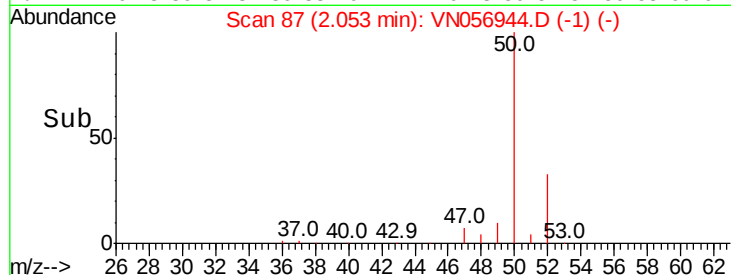
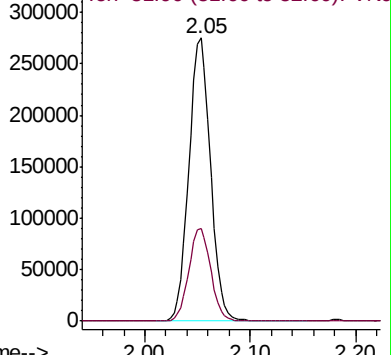
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.603 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN056944.D

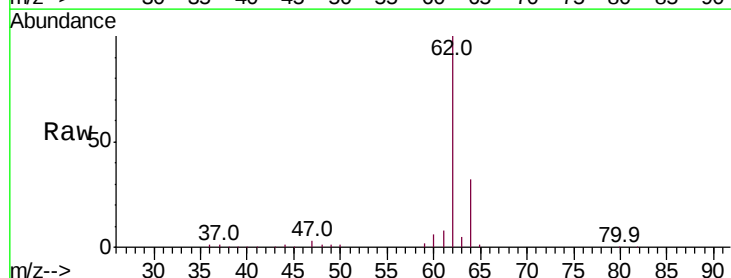
Acq: 26 Jul 2019 15:57

Tgt Ion: 62 Resp: 344191

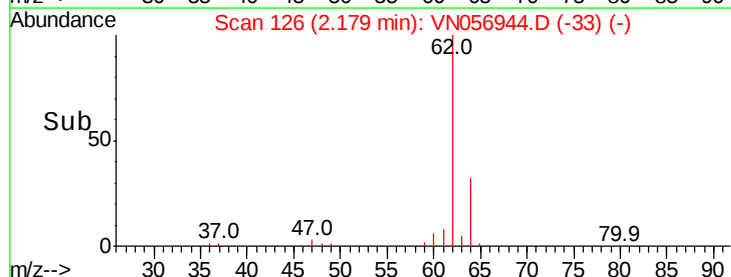
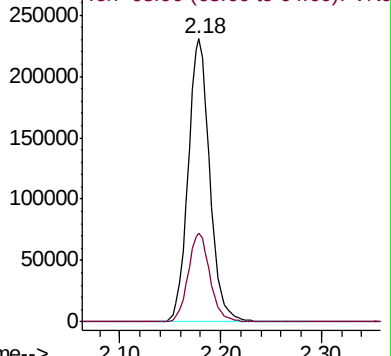
Ion Ratio Lower Upper

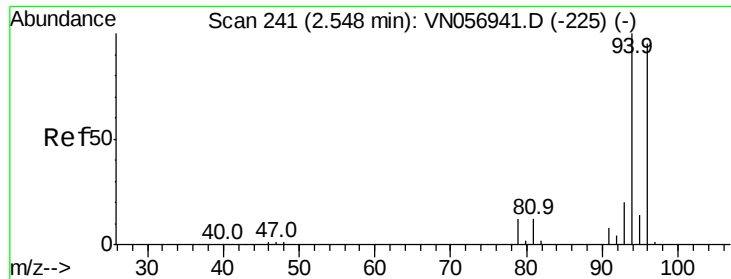
62 100

64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.112 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

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ClientSampled :

ICVVN072719

Tot Ion: 94 Resp: 202781

Ion Ratio Lower Upper

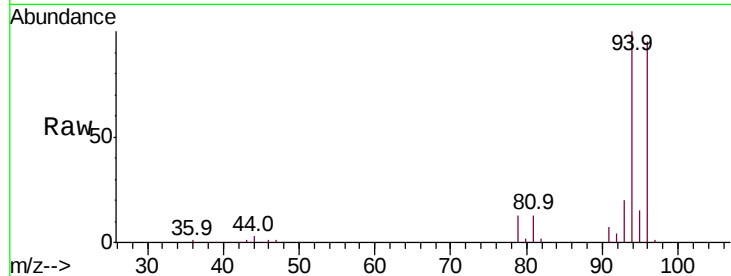
94 100

96 95.3 76.2 114.2

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

100000

80000

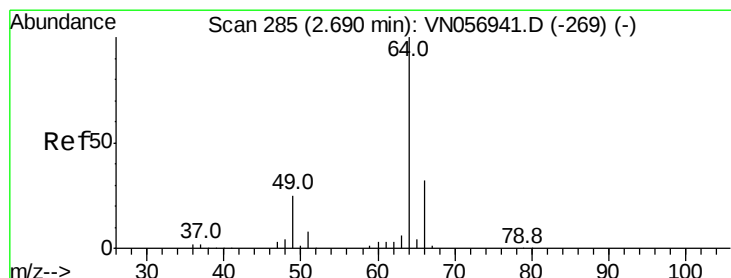
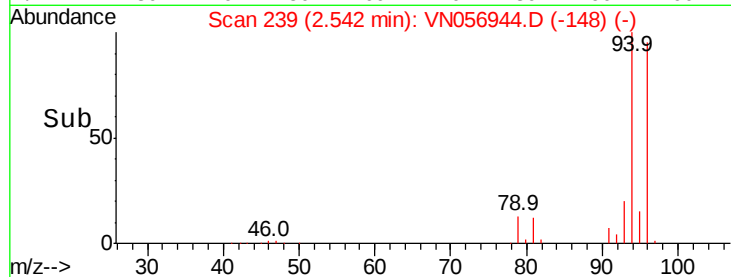
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.372 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056944.D

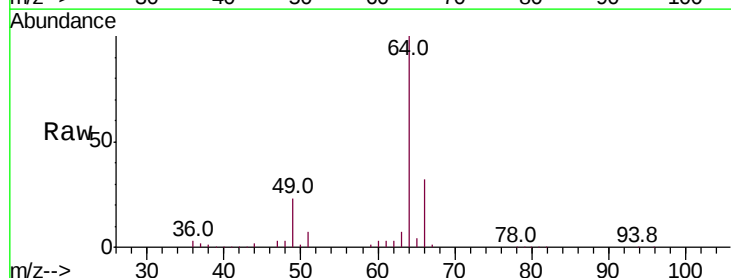
Acq: 26 Jul 2019 15:57

Tgt Ion: 64 Resp: 184828

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

100000

80000

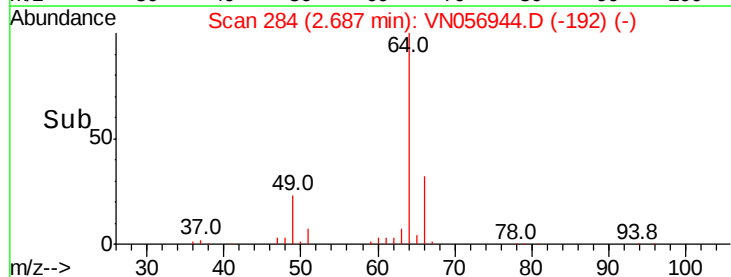
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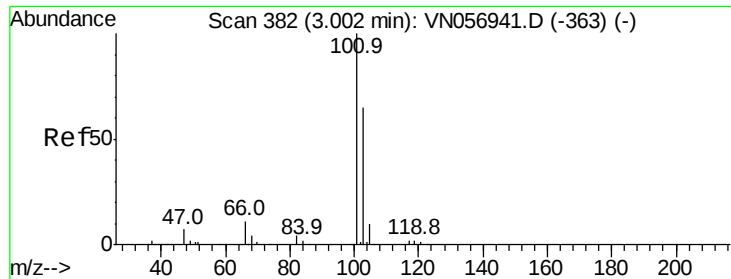
40000

20000

0

Time-->





#7

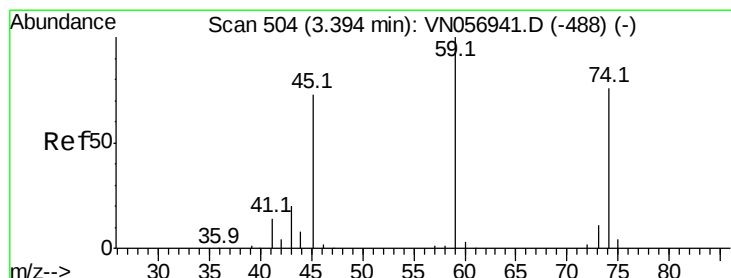
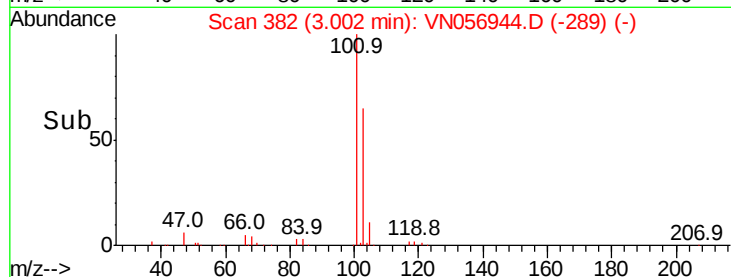
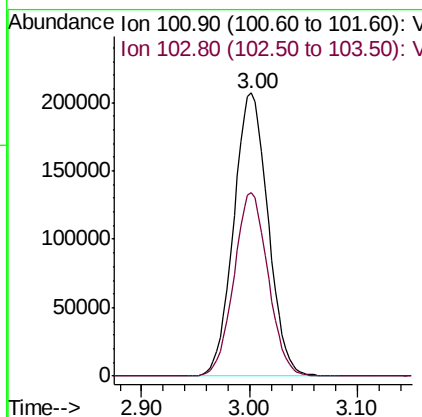
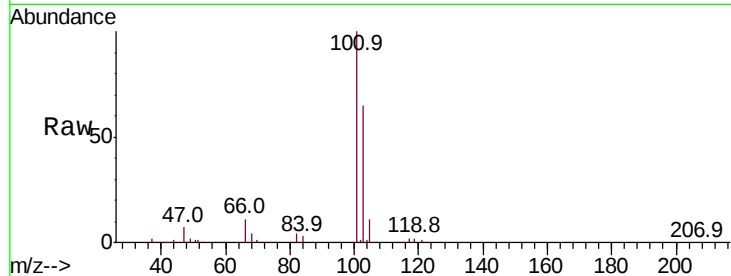
Trichlorofluoromethane
Concen: 48.536 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
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ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.1	78.1

Manual Integrations
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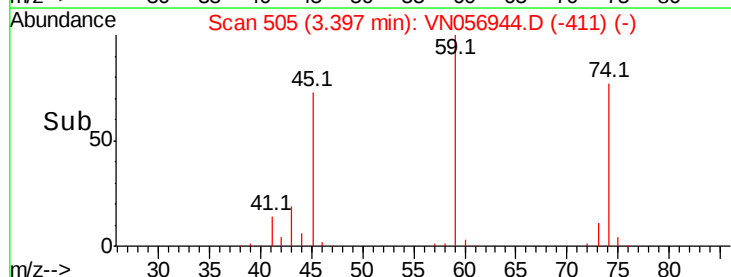
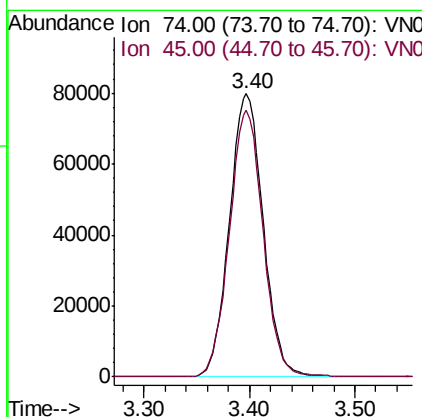
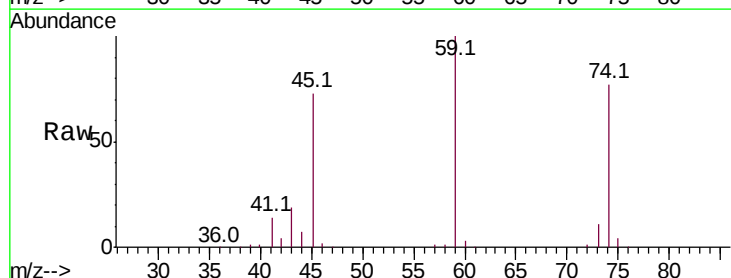
MMDadoda
8/2/2019 9:13:31 AM

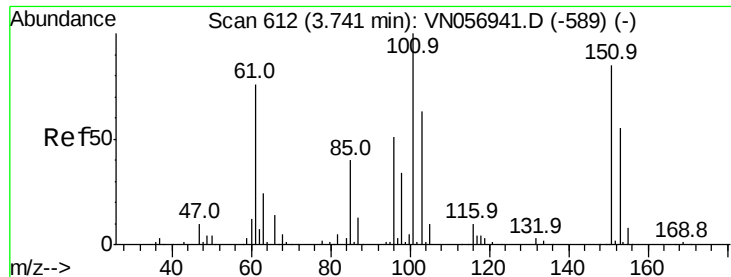


#8

Diethyl Ether
Concen: 49.951 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.271 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

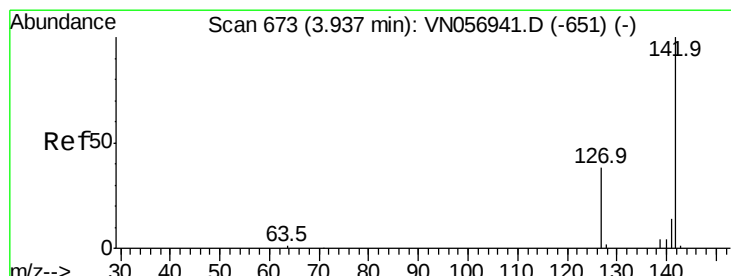
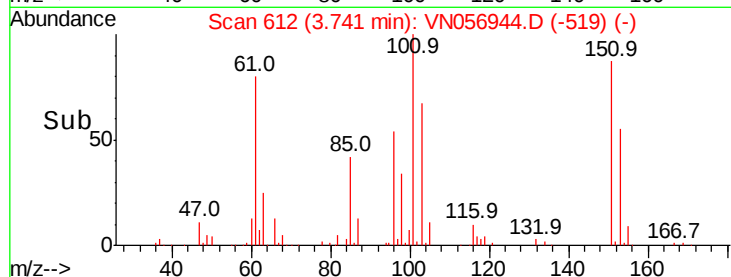
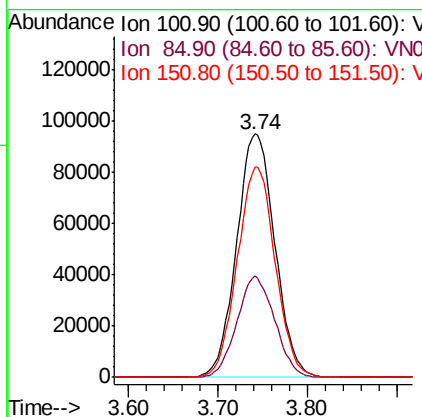
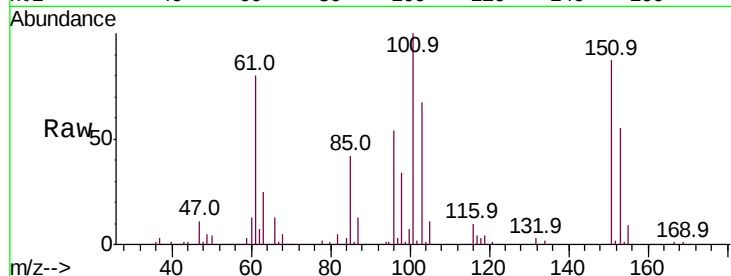
ClientSampleId :

ICVVN072719

Tot Ion:	101	Resp:	283259
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.3	48.5
151	85.8	68.0	102.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 37.828 ug/l

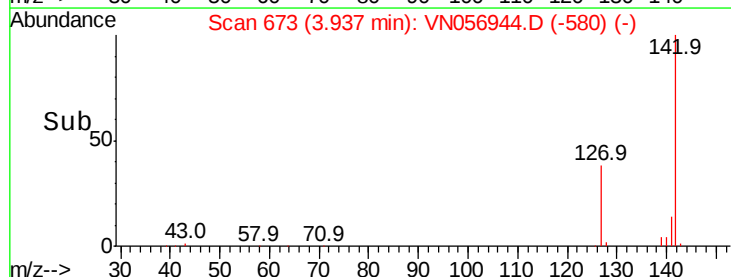
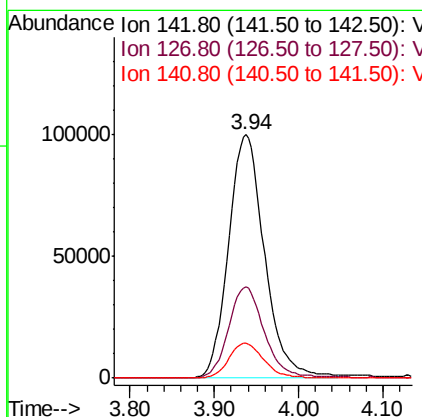
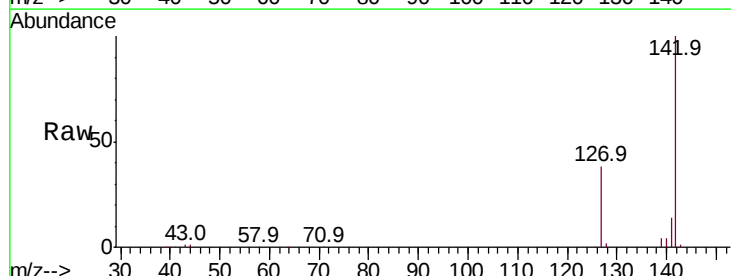
RT: 3.94 min Scan# 673

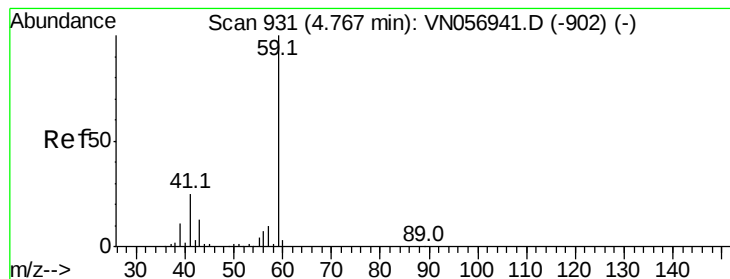
Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion:	142	Resp:	296610
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.4	45.6
141	14.1	11.1	16.7





#11

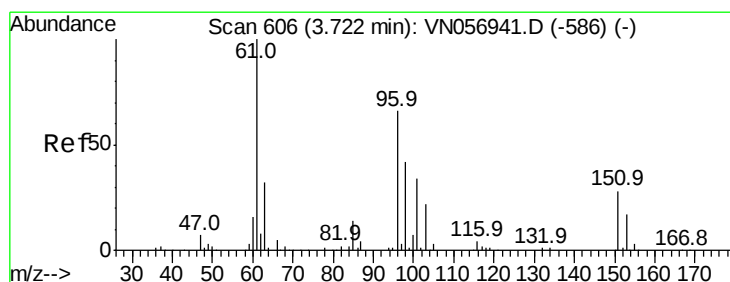
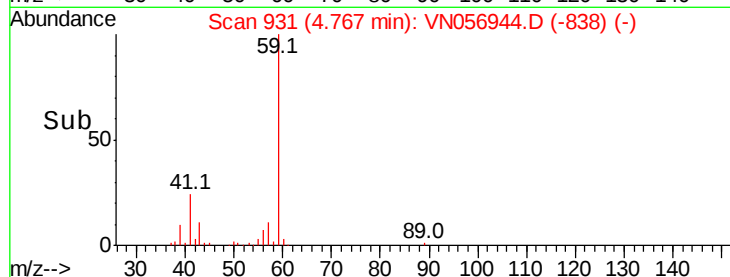
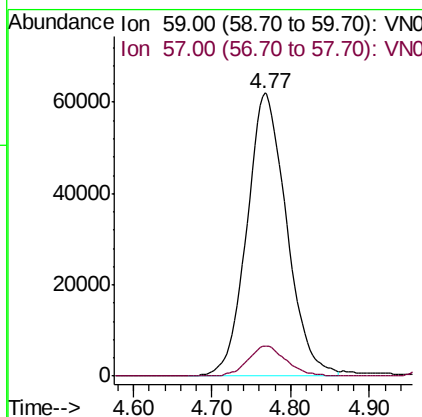
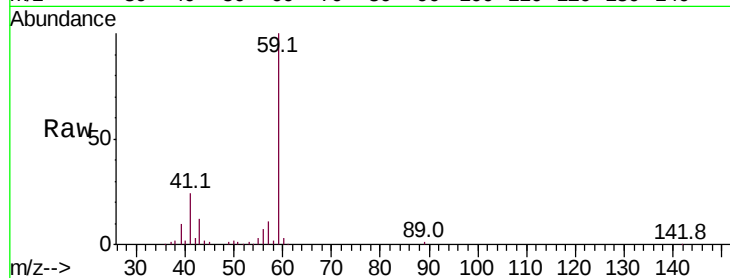
Tert butyl alcohol
Concen: 251.035 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion	59	Resp	221252
Ion Ratio	100	Lower	Upper
57	10.3	7.5	11.3

Manual Integrations
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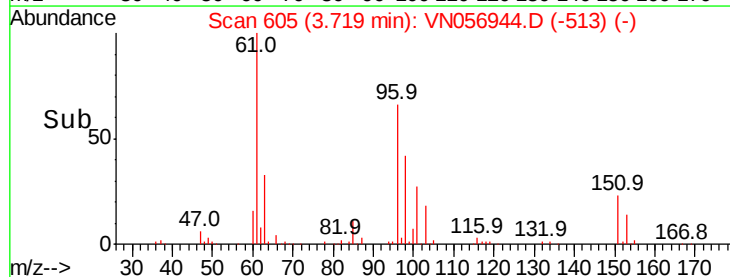
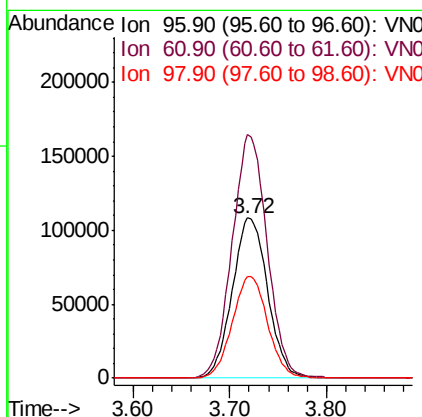
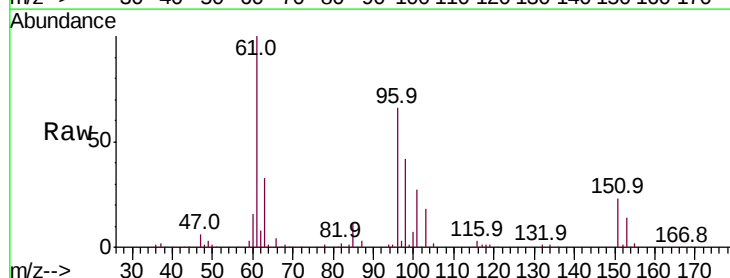
MMDadoda
8/2/2019 9:13:31 AM

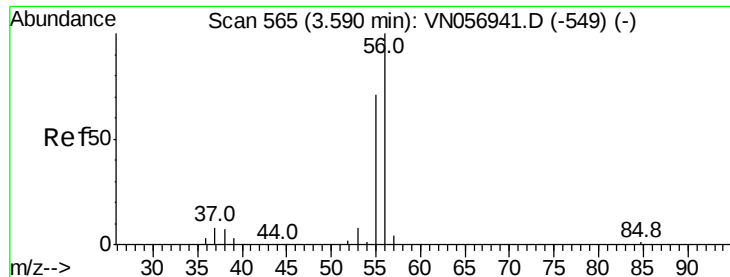


#12

1,1-Dichloroethene
Concen: 49.208 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	96	Resp	275521
Ion Ratio	100	Lower	Upper
61	151.8	121.8	182.8
98	63.4	51.7	77.5





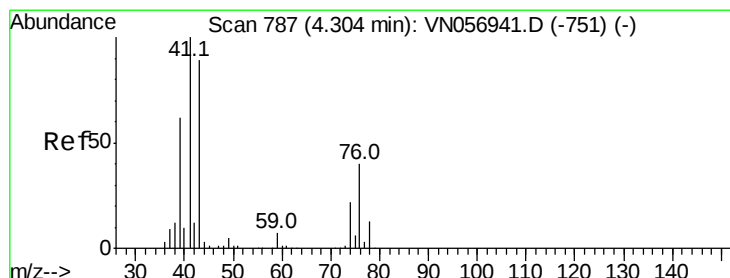
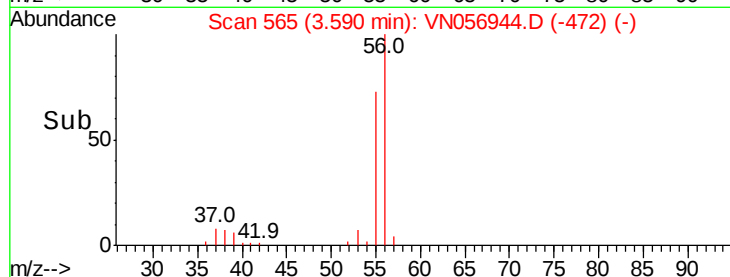
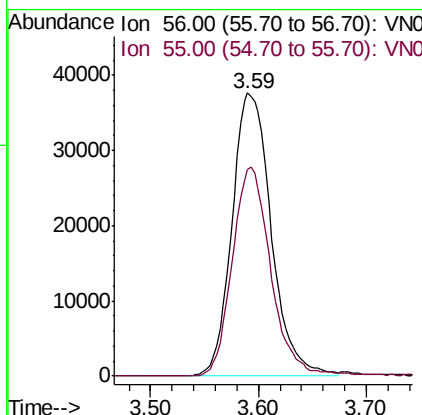
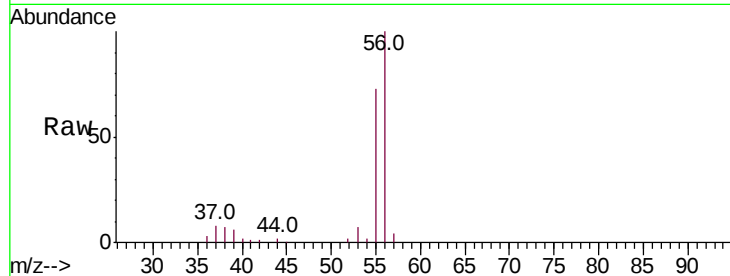
#13
Acrolein
Concen: 210.532 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	55.8	83.6

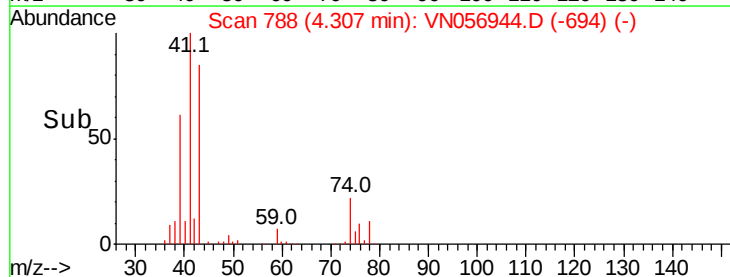
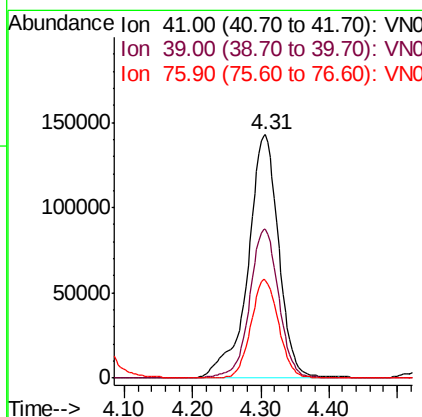
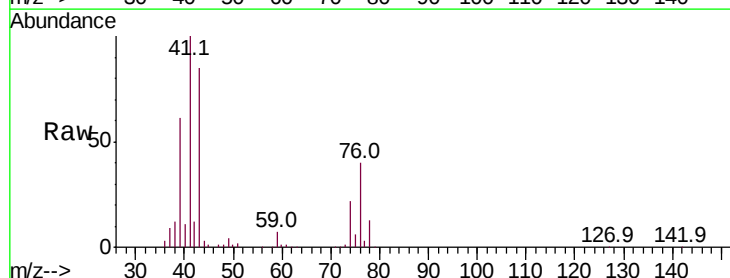
Manual Integrations
APPROVED

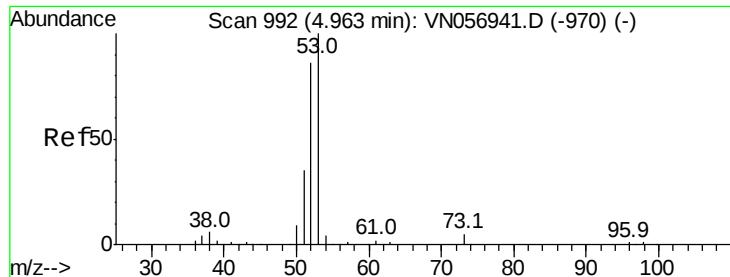
MMDadoda
8/2/2019 9:13:31 AM



#14
Allyl chloride
Concen: 48.957 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.4	69.6
76	36.1	28.4	42.6





#15

Acrylonitrile

Concen: 252.880 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

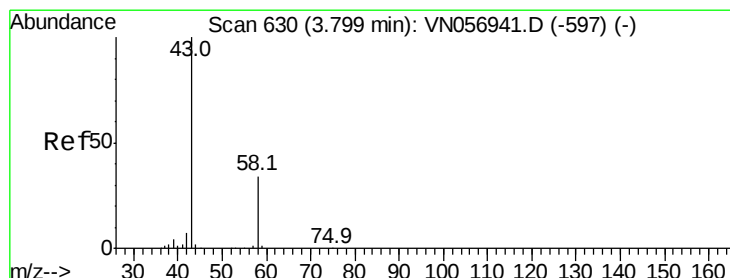
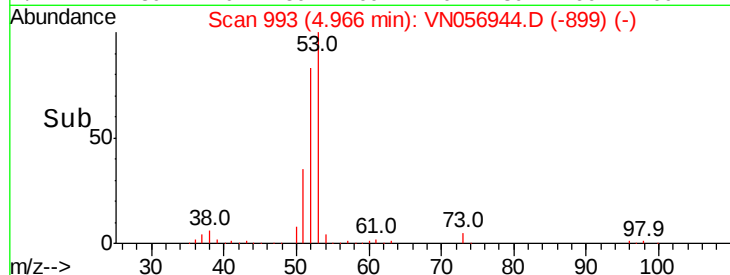
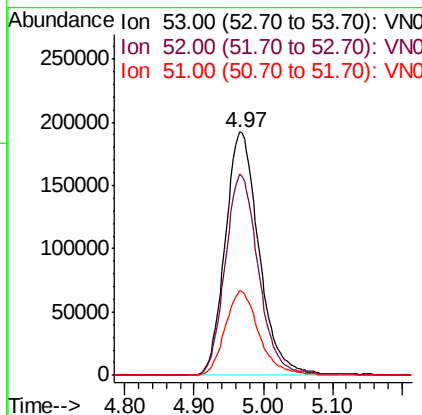
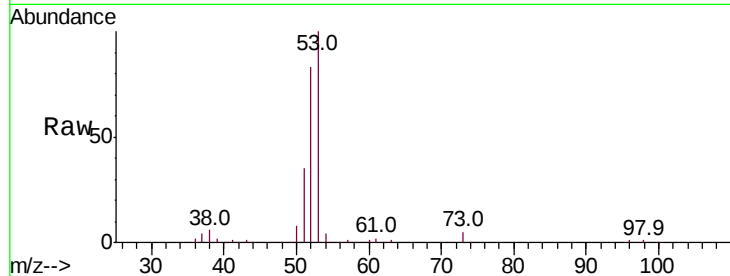
ClientSampleId :

ICVVN072719

Tot Ion:	53	Resp:	653603
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.5	99.7
51	34.9	28.4	42.6

Manual Integrations
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MMDadoda
8/2/2019 9:13:31 AM



#16

Acetone

Concen: 254.703 ug/l

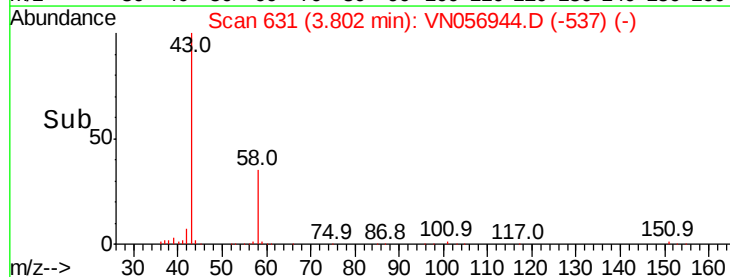
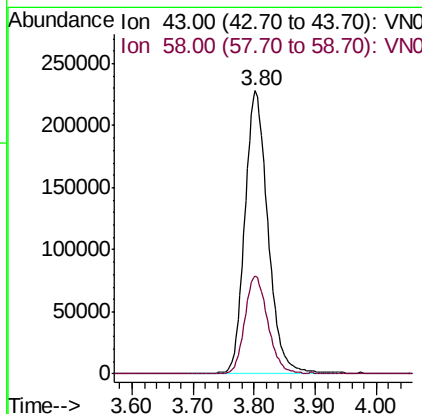
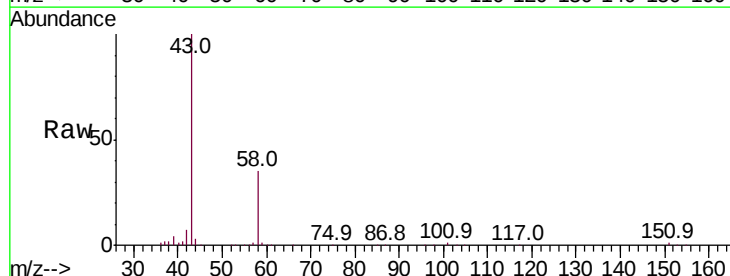
RT: 3.80 min Scan# 631

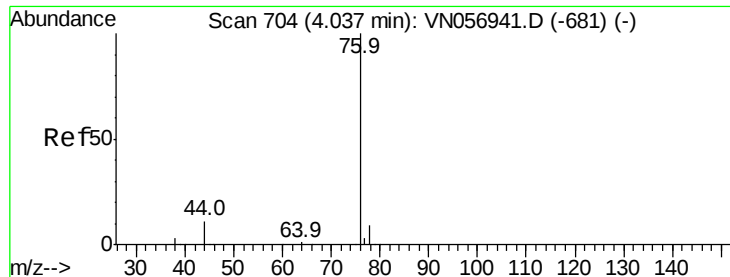
Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion:	43	Resp:	601667
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.2	40.8





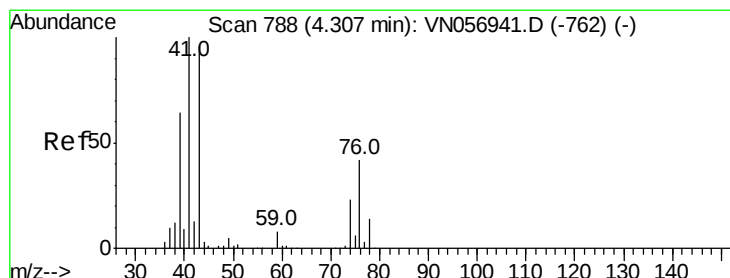
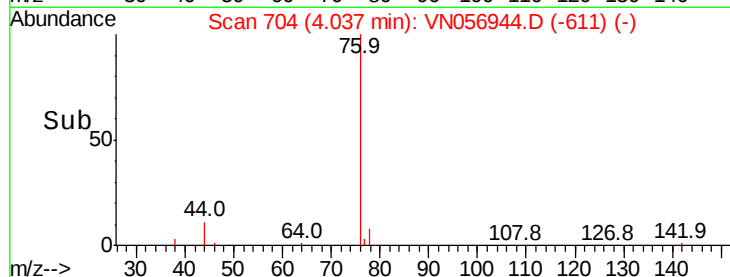
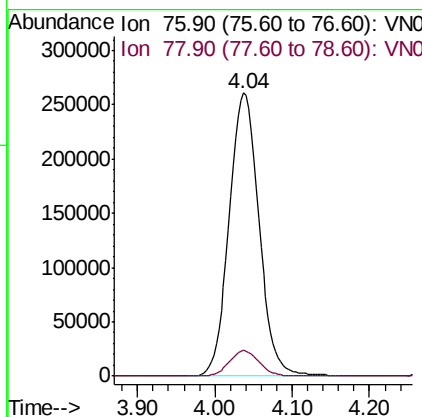
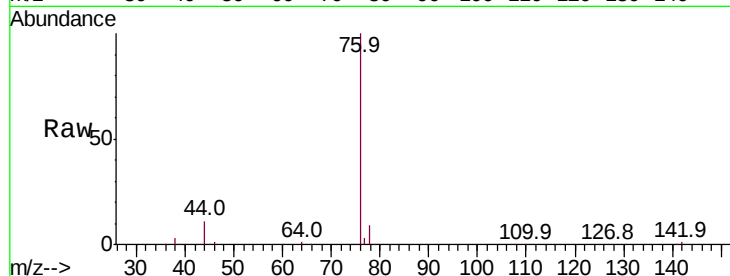
#17
Carbon Disulfide
Concen: 46.950 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

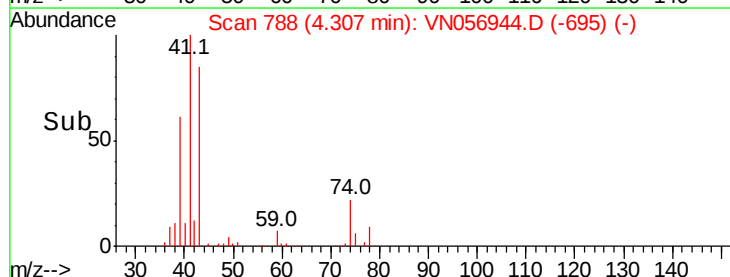
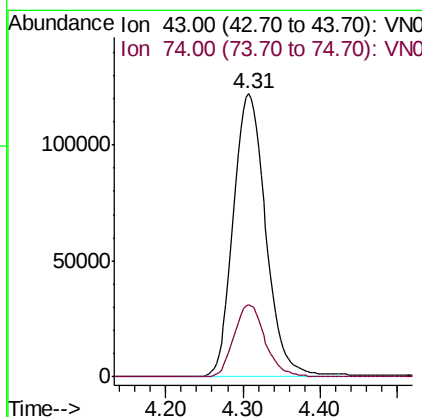
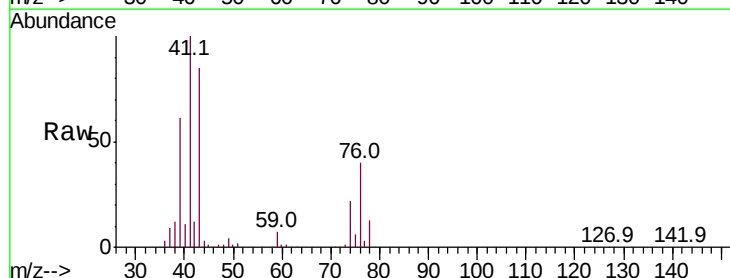
Manual Integrations
APPROVED

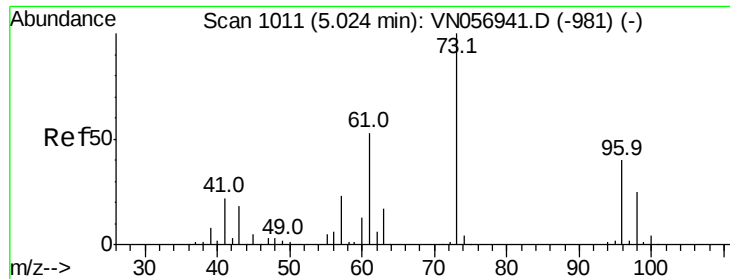
MMDadoda
8/2/2019 9:13:31 AM



#18
Methyl Acetate
Concen: 47.429 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.7	29.5





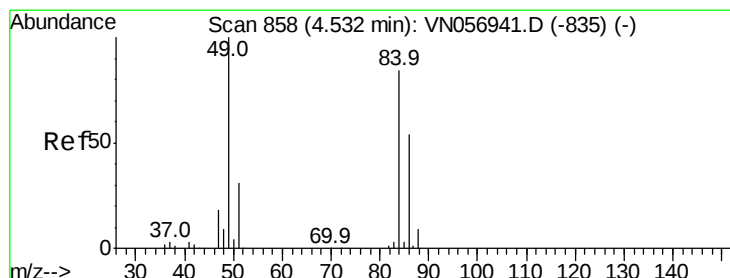
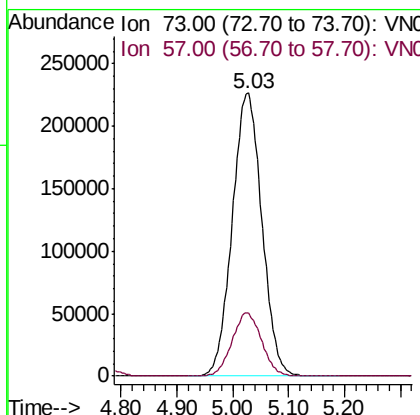
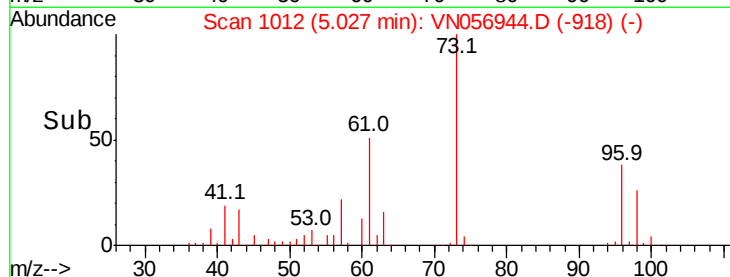
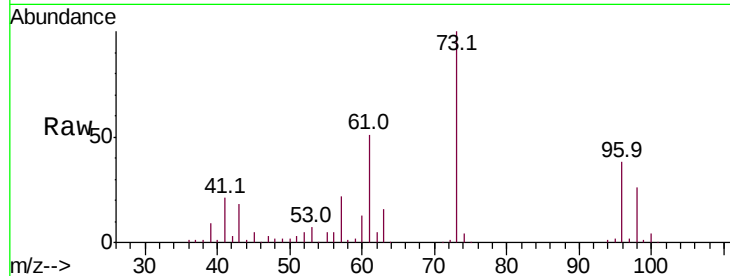
#19
Methvl tert-butvl Ether
Concen: 50.051 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion: 73 Resp: 835600
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

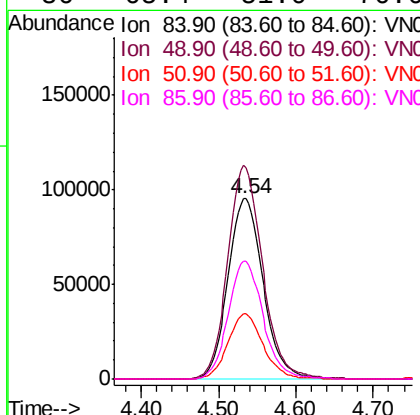
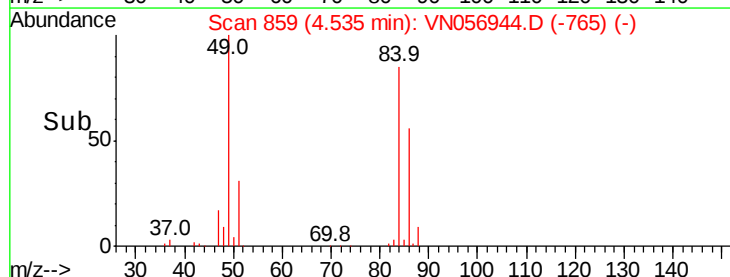
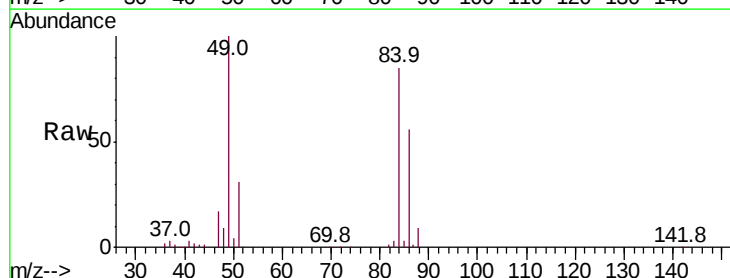
Manual Integrations
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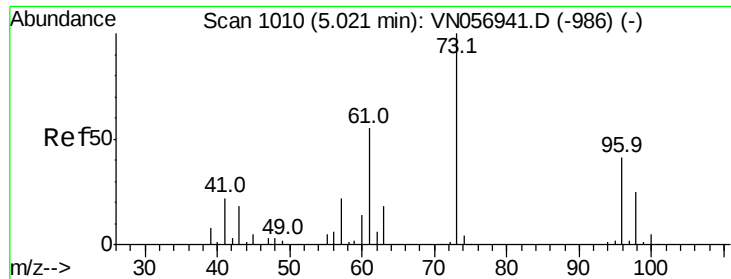
MMDadoda
8/2/2019 9:13:31 AM



#20
Methylene Chloride
Concen: 44.404 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion: 84 Resp: 302149
Ion Ratio Lower Upper
84 100
49 117.2 95.2 142.8
51 35.9 29.7 44.5
86 65.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.437 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion: 96 Resp: 288028

Ion Ratio Lower Upper

96 100

61 136.0 107.5 161.3

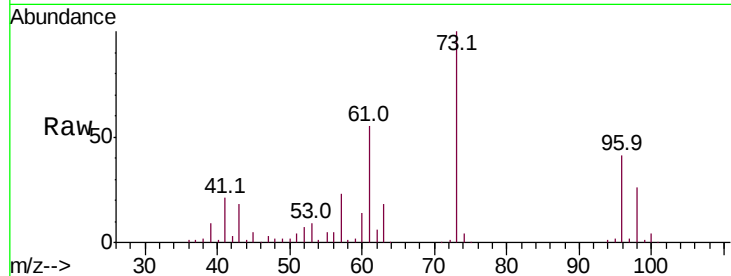
98 64.3 49.9 74.9

Manual Integrations

APPROVED

MMDadoda

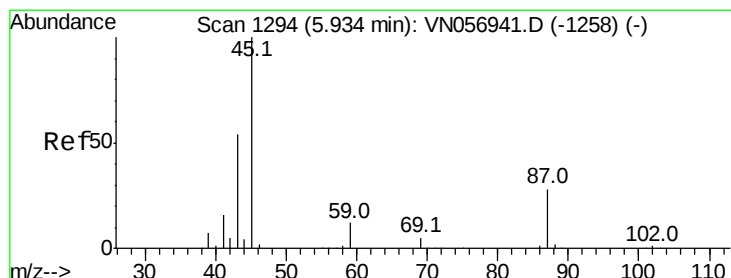
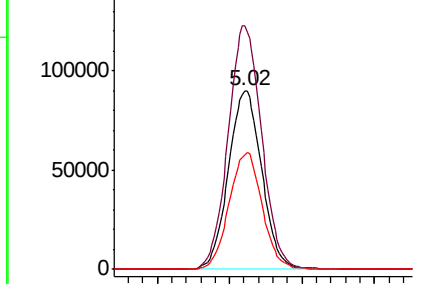
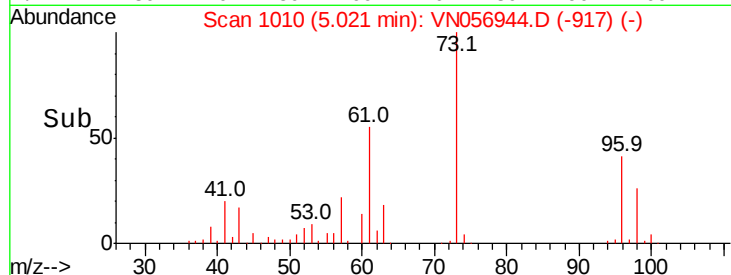
8/2/2019 9:13:31 AM



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: 48.670 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion: 45 Resp: 913318

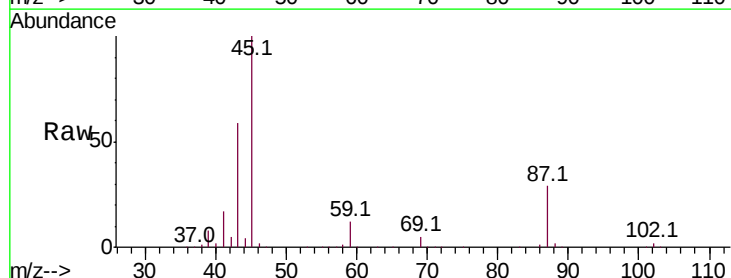
Ion Ratio Lower Upper

45 100

43 58.3 44.7 67.1

87 29.0 23.0 34.6

59 12.1 9.8 14.8

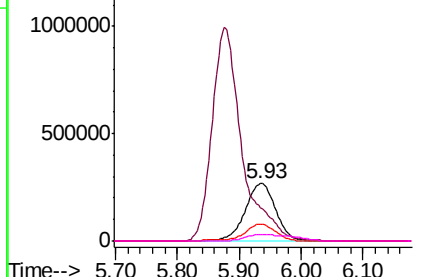
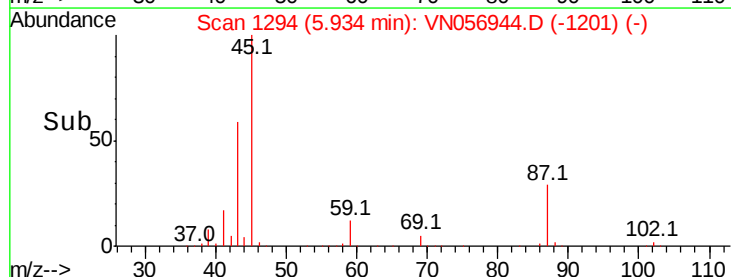


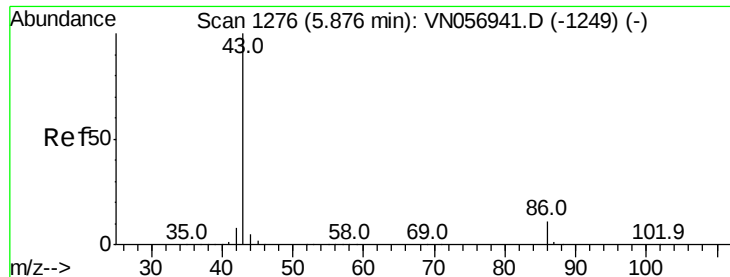
Abundance Ion 45.00 (44.70 to 45.70): VNC

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: 256.538 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN072719

Tot Ion: 43 Resp: 3335495

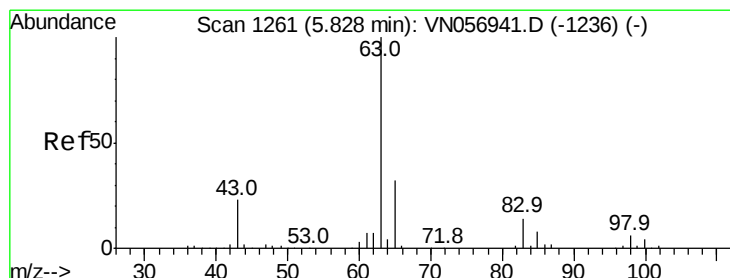
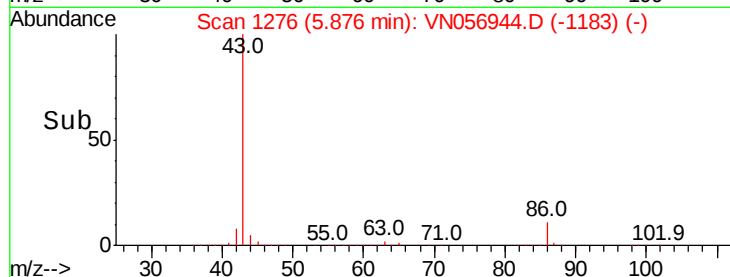
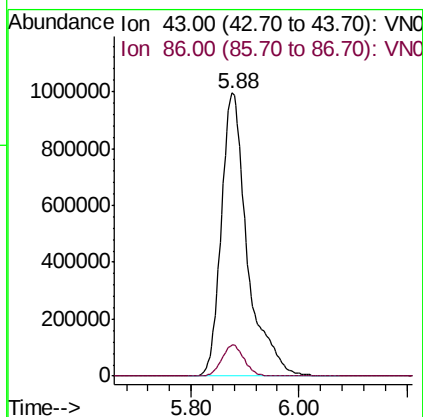
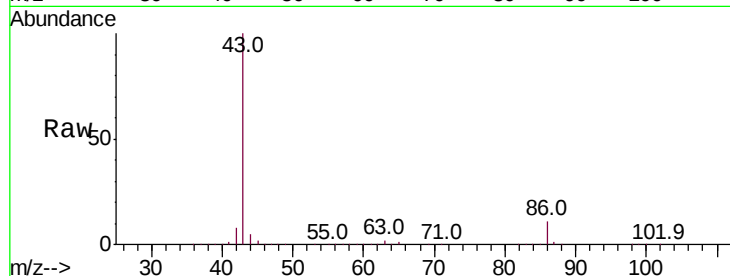
Ion Ratio Lower Upper

43 100

86 11.0 8.5 12.7

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:31 AM



#24

1,1-Dichloroethane

Concen: 47.819 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

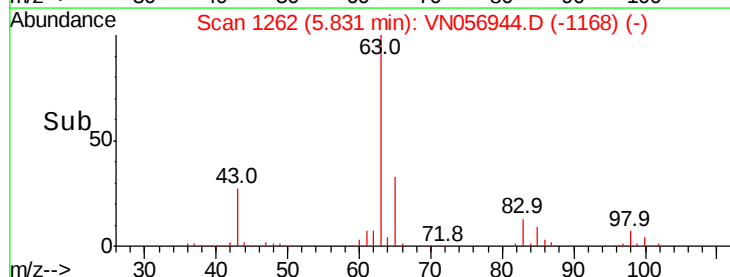
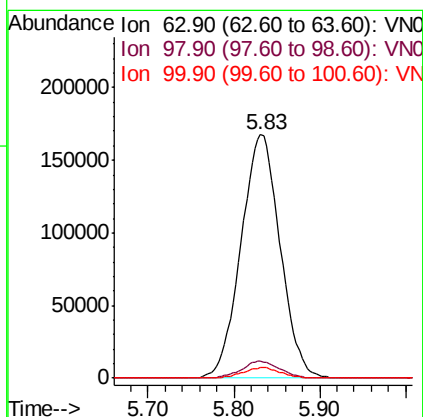
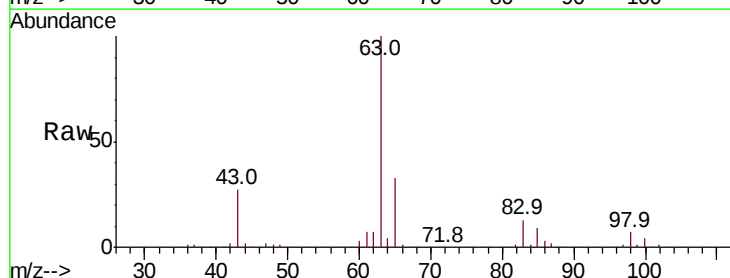
Tgt Ion: 63 Resp: 529446

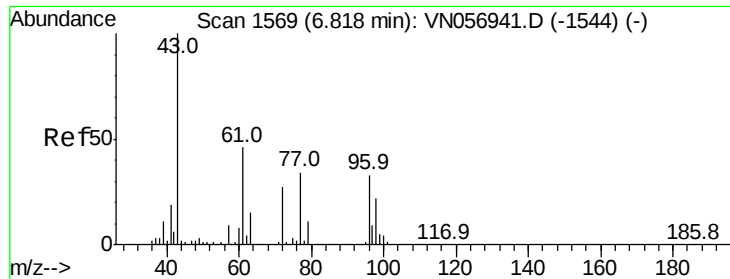
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 255.413 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion: 43 Resp: 855540

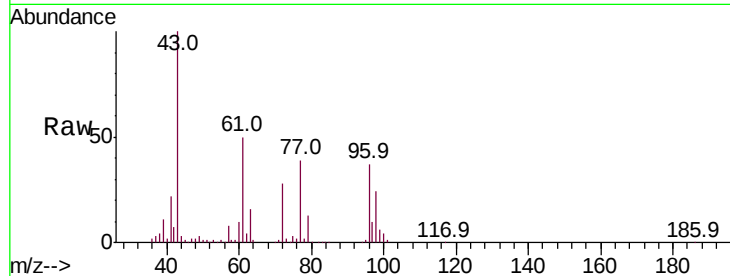
Ion Ratio Lower Upper

43 100

72 27.9 21.5 32.3

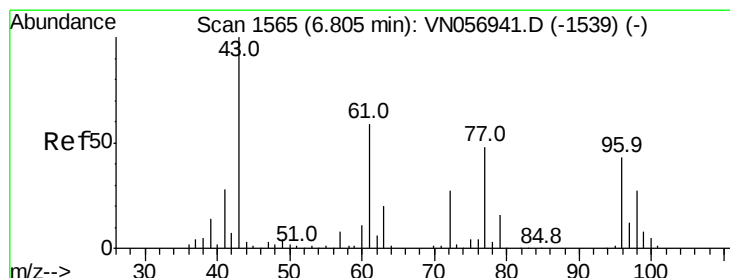
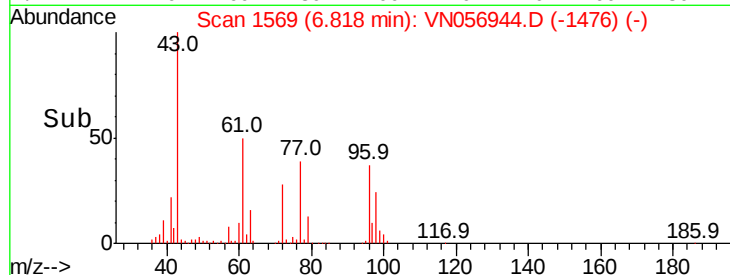
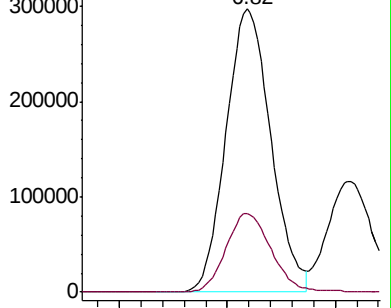
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.049 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056944.D

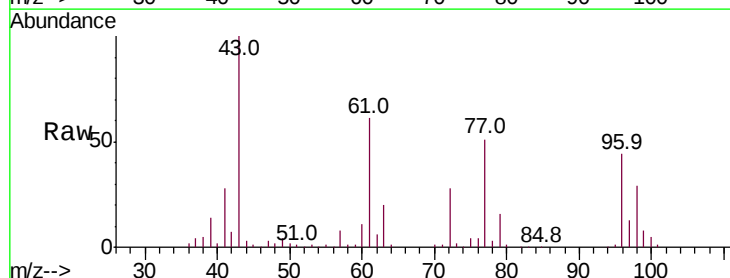
Acq: 26 Jul 2019 15:57

Tgt Ion: 77 Resp: 412929

Ion Ratio Lower Upper

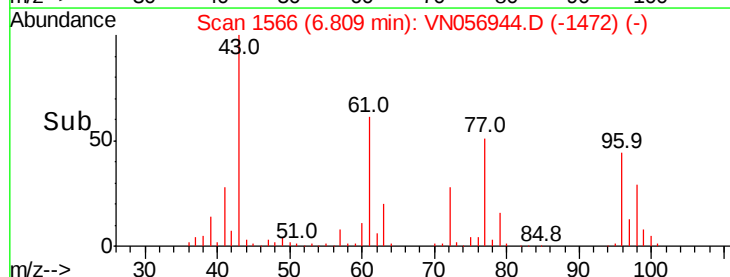
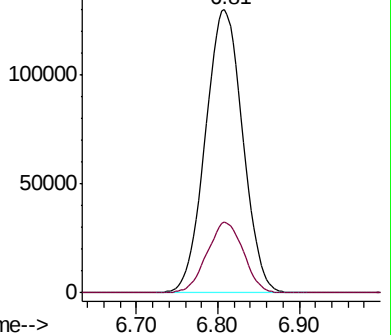
77 100

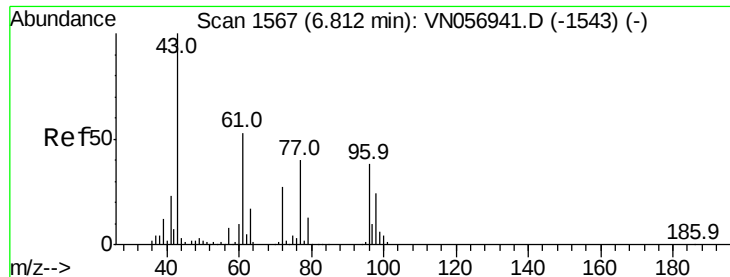
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.725 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

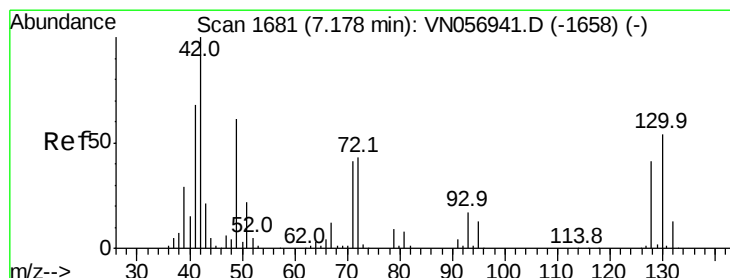
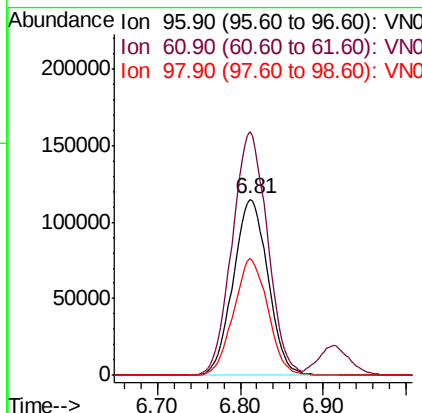
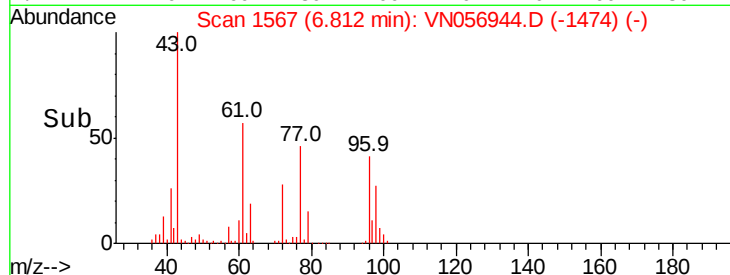
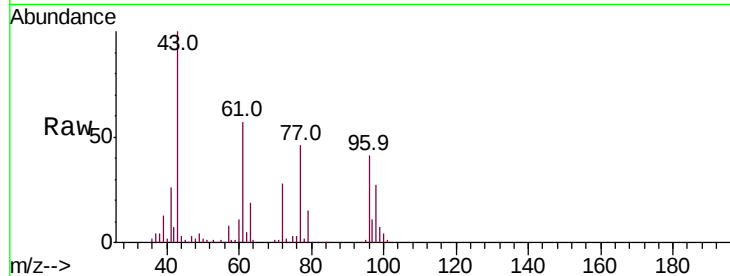
ClientSampleId :

ICVVN072719

Tot Ion:	96	Resp:	335659
Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	277.2
98	65.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 47.295 ug/l

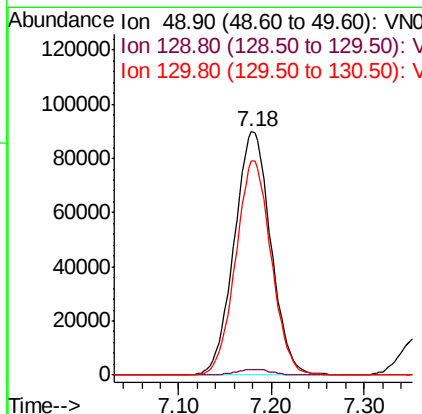
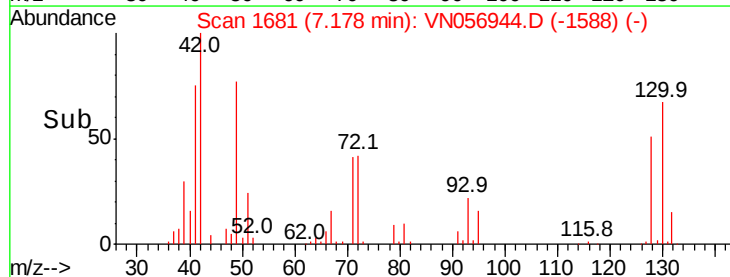
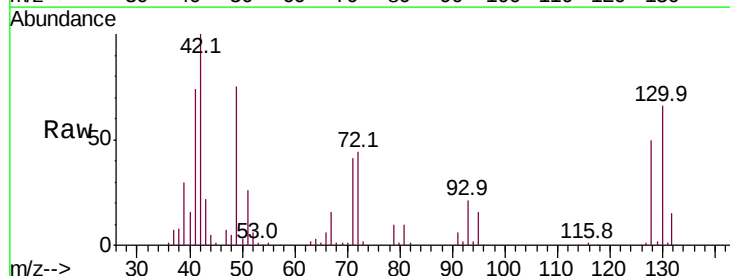
RT: 7.18 min Scan# 1681

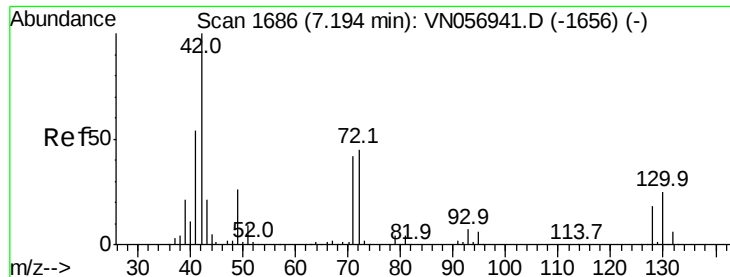
Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion:	49	Resp:	246136
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	85.5	69.0	103.4





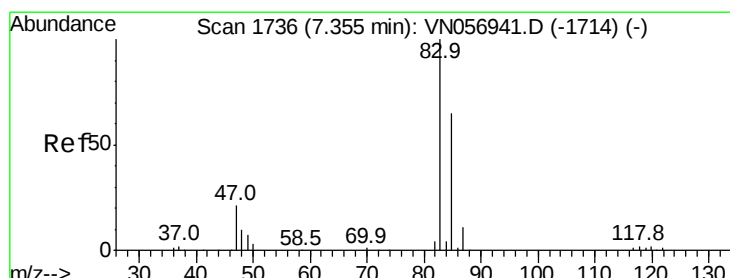
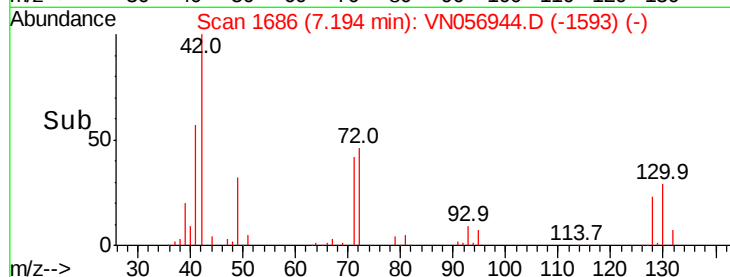
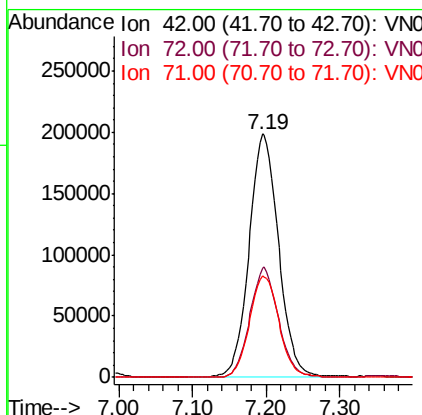
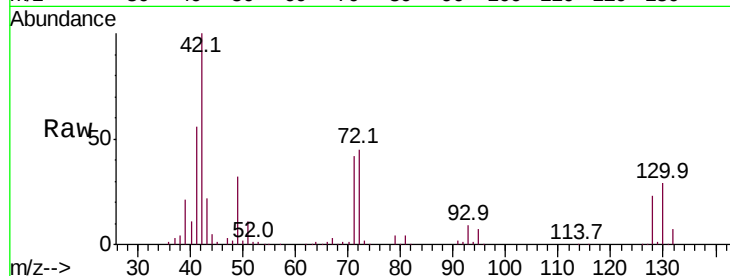
#29
Tetrahydrofuran
Concen: 253.822 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.6	53.4
71	41.6	33.5	50.3

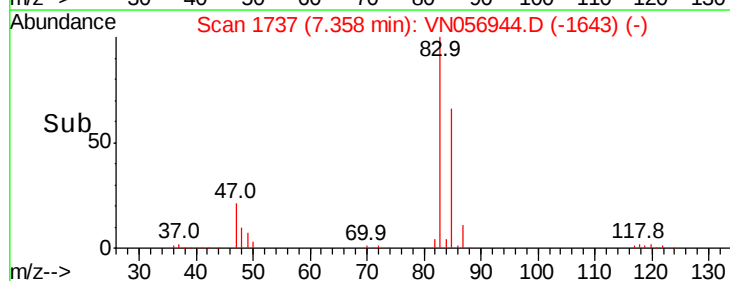
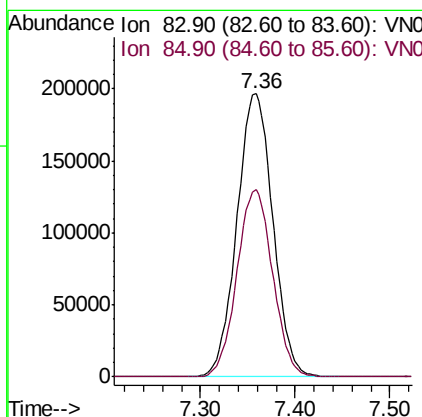
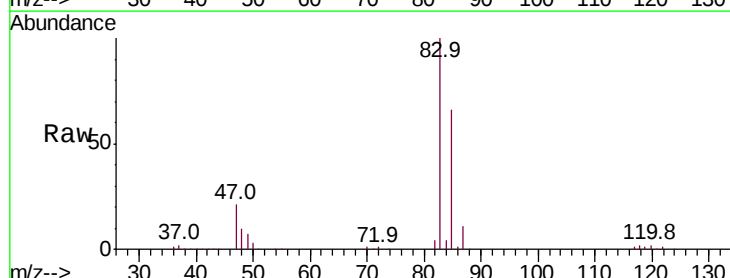
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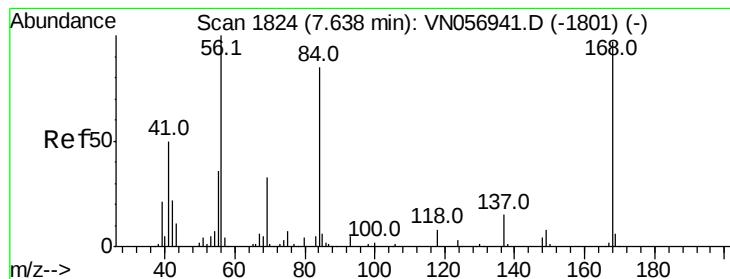
MMDadoda
8/2/2019 9:13:31 AM



#30
Chloroform
Concen: 45.867 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.2





#31

Cyclohexane

Concen: 46.708 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN072719

Tot Ion: 56 Resp: 500436

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.2

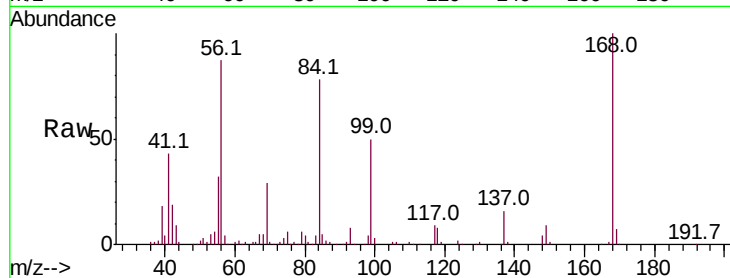
84 87.8 68.2 102.2

Manual Integrations

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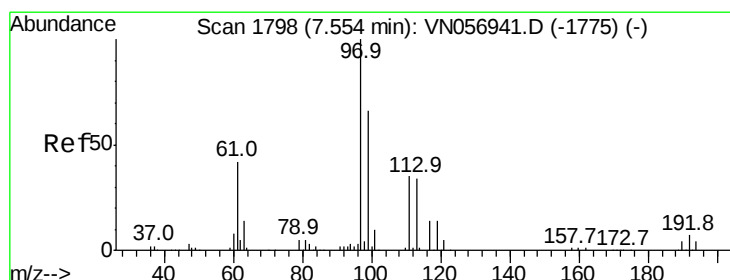
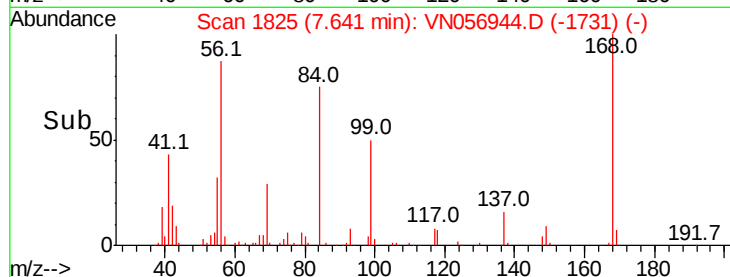
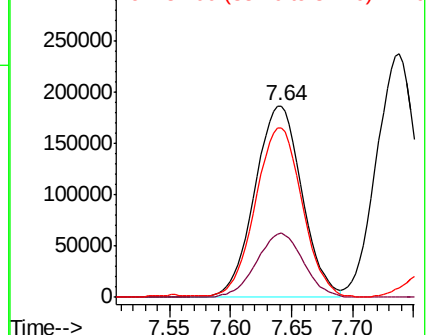


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.478 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

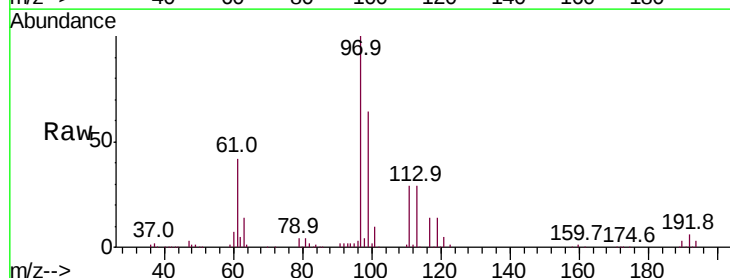
Tgt Ion: 97 Resp: 437869

Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

61 41.3 33.9 50.9

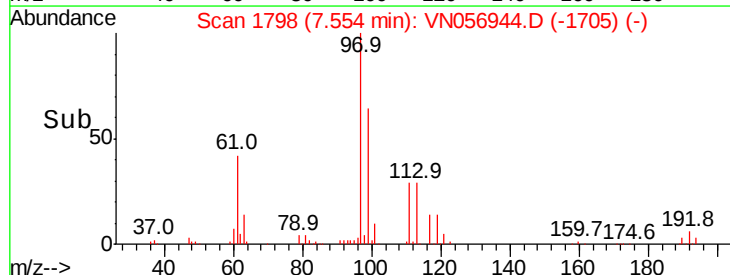
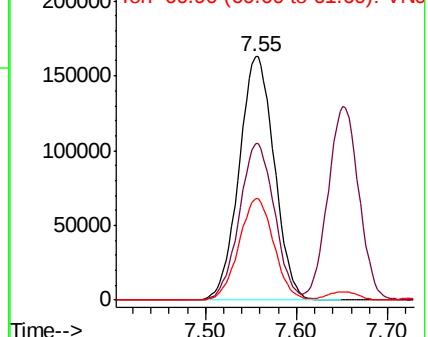


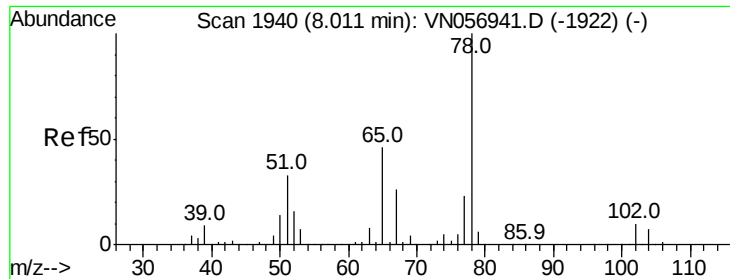
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





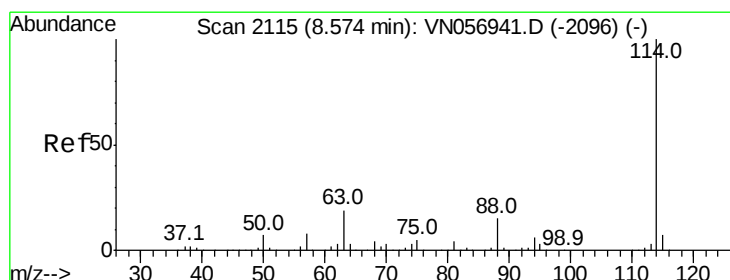
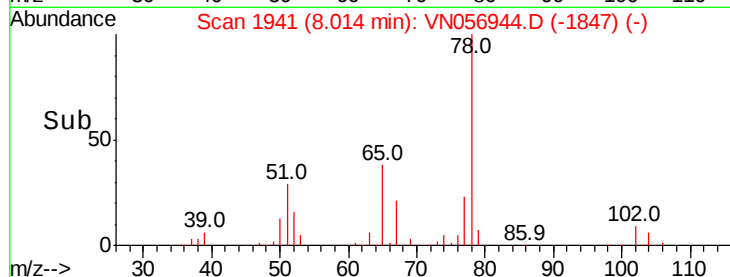
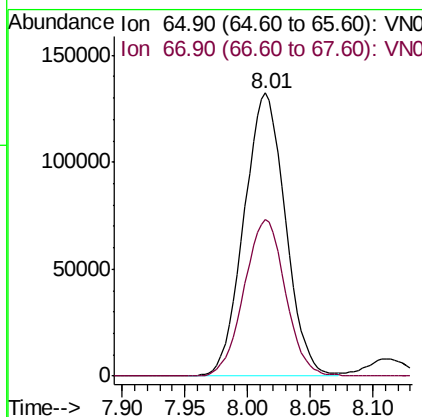
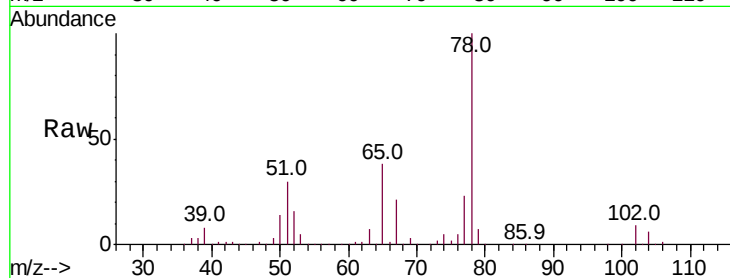
#33
 1,2-Dichloroethane-d4
 Concen: 46.688 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN072719

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	112.0	

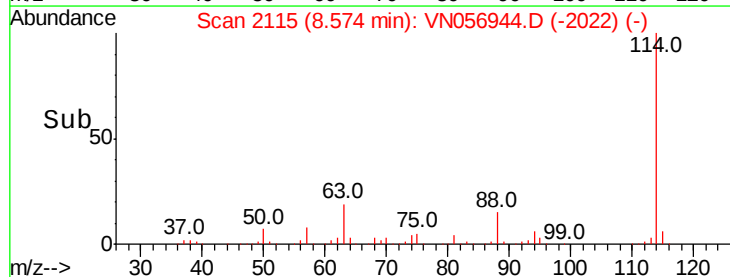
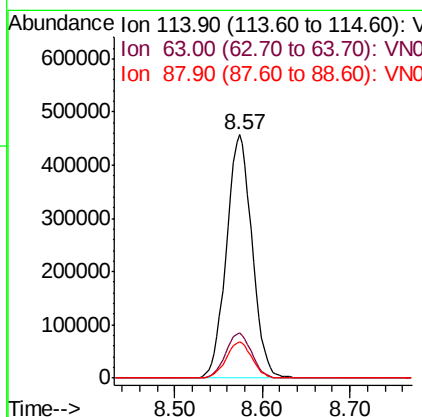
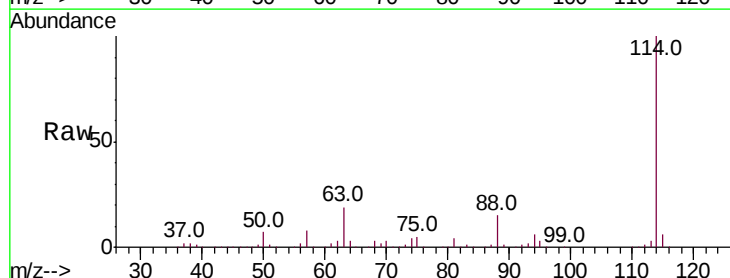
Manual Integrations
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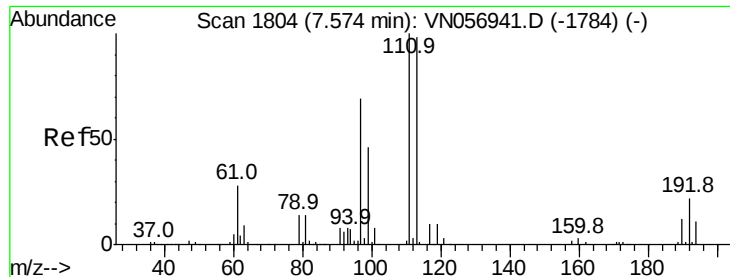
MMDadoda
 8/2/2019 9:13:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	38.0	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 48.186 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

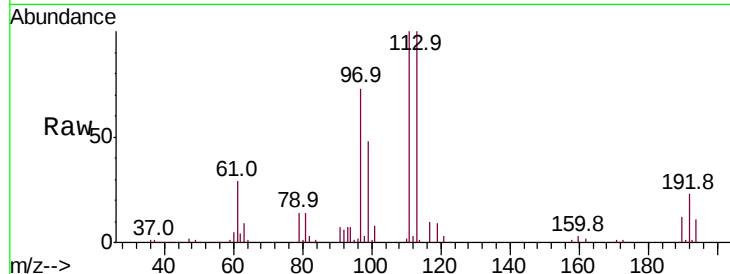
ClientSampled :

ICVVN072719

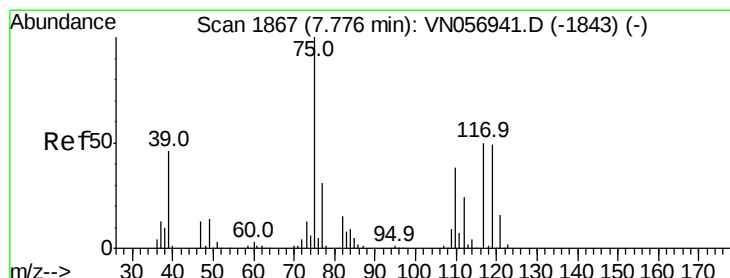
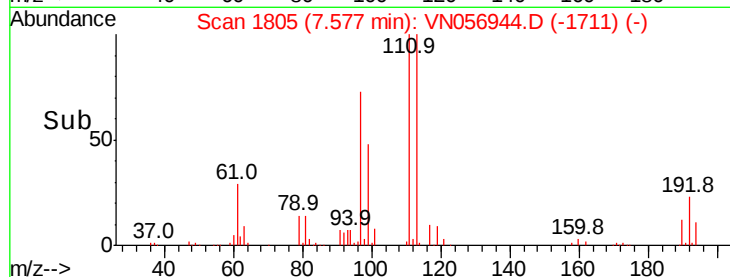
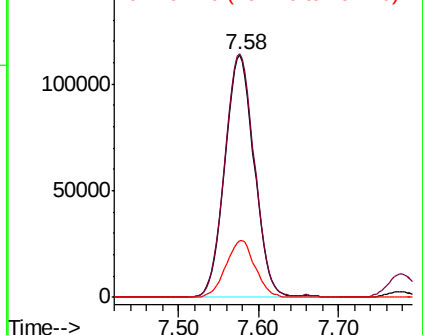
Tot Ion:	113	Resp:	286287
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.0	123.0
192	23.1	18.4	27.6

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.140 ug/l

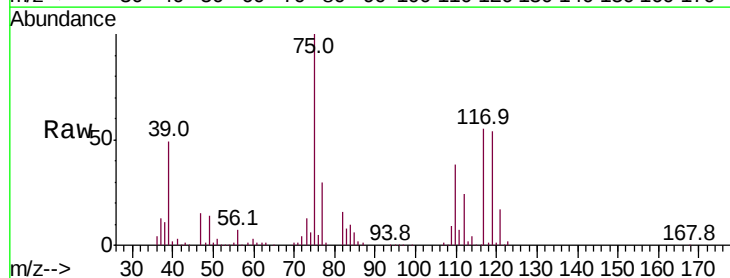
RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

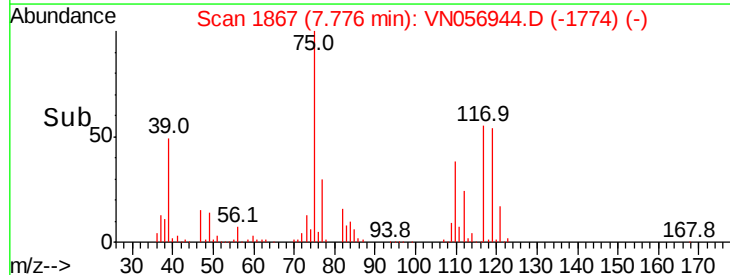
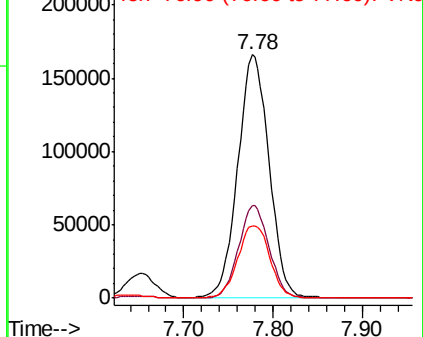
Lab File: VN056944.D

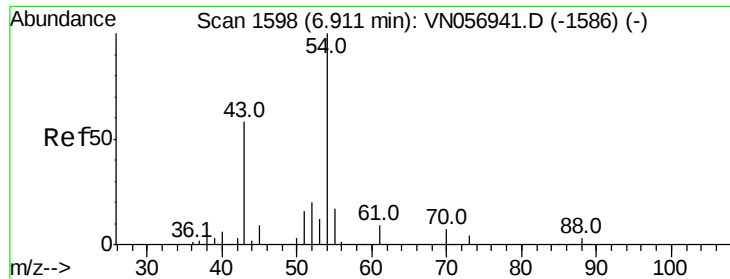
Acq: 26 Jul 2019 15:57

Tgt Ion:	75	Resp:	401306
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.6	55.8
77	31.0	25.2	37.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





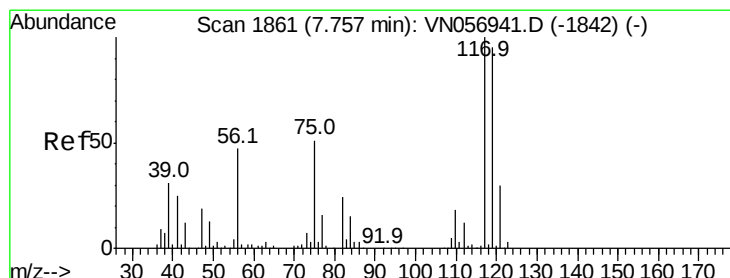
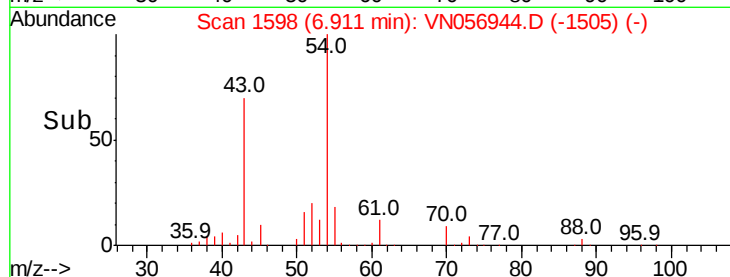
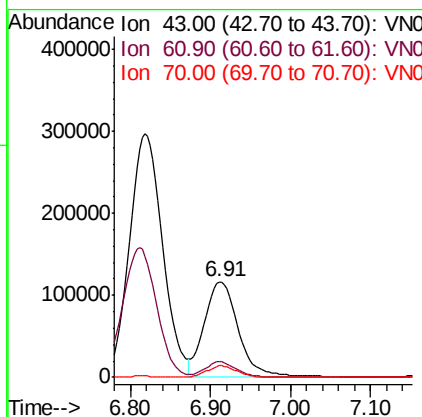
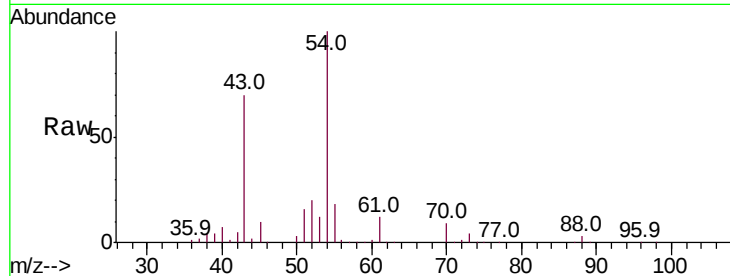
#37
Ethyl Acetate
Concen: 52.251 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.1	8.5	12.7

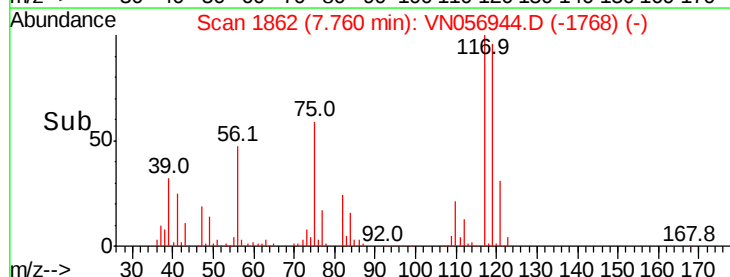
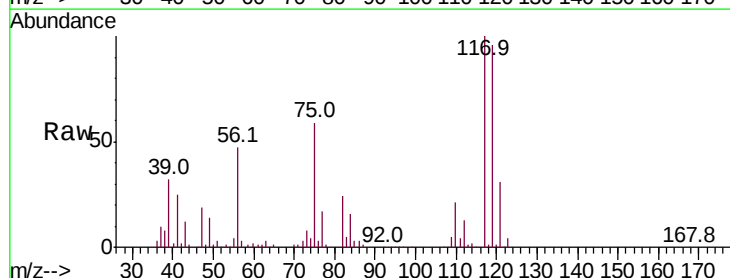
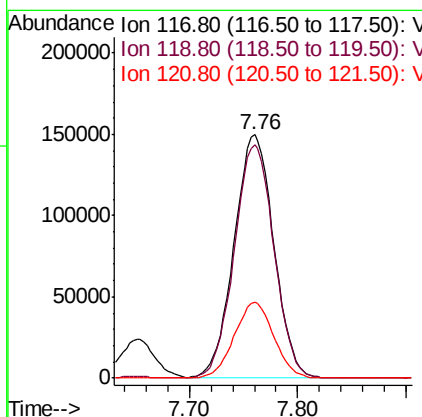
Manual Integrations
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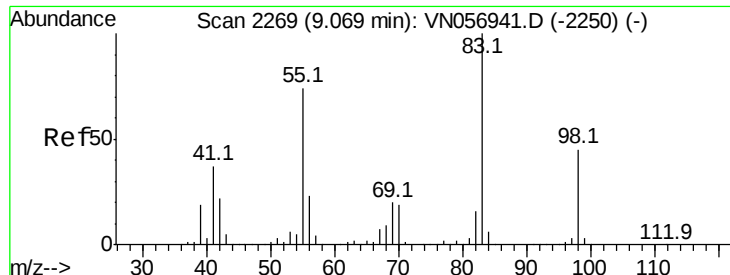
MMDadoda
8/2/2019 9:13:31 AM



#38
Carbon Tetrachloride
Concen: 49.437 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	31.1	24.2	36.4





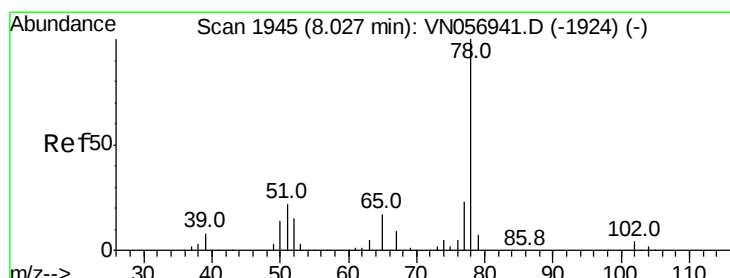
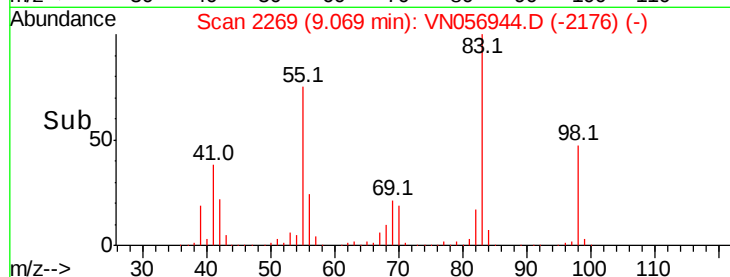
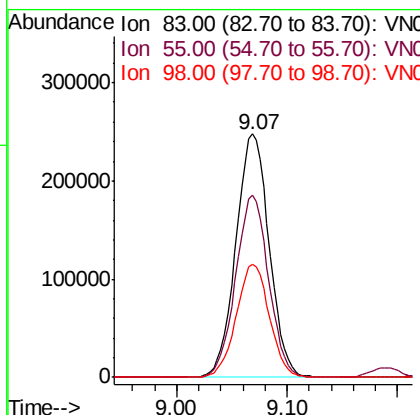
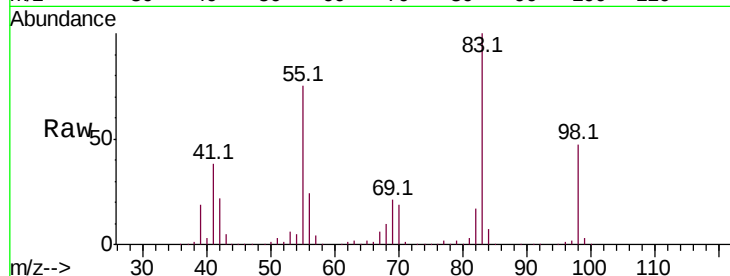
#39
Methvlcvclohexane
Concen: 49.566 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVFN072719

Tot Ion	83	Resp	517348
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	59.0	88.6
98	46.6	36.2	54.4

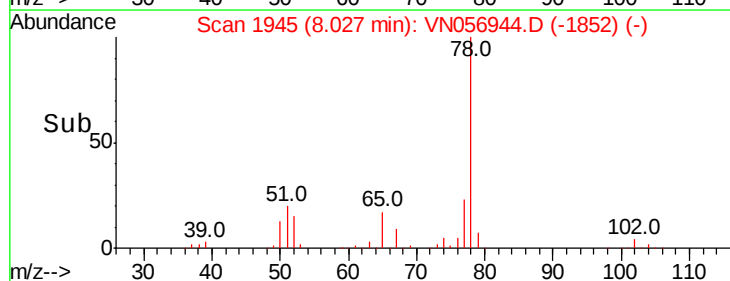
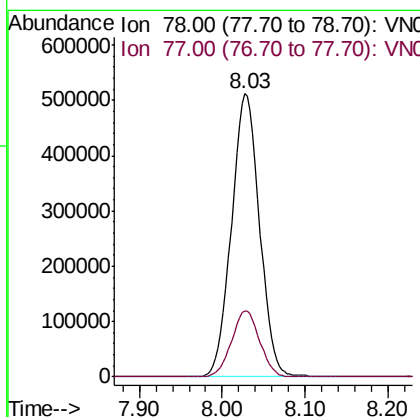
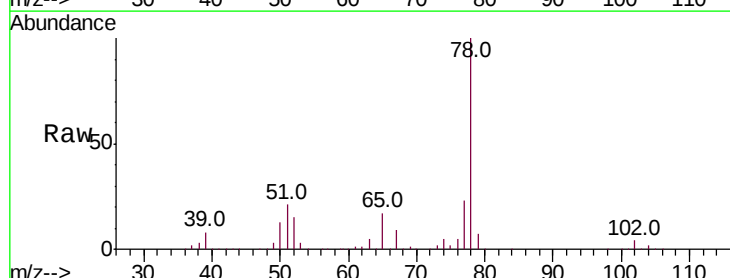
Manual Integrations
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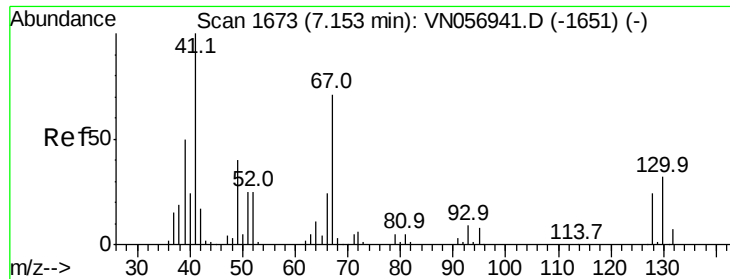
MMDadoda
8/2/2019 9:13:31 AM



#40
Benzene
Concen: 47.975 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	78	Resp	1206733
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.3	27.5





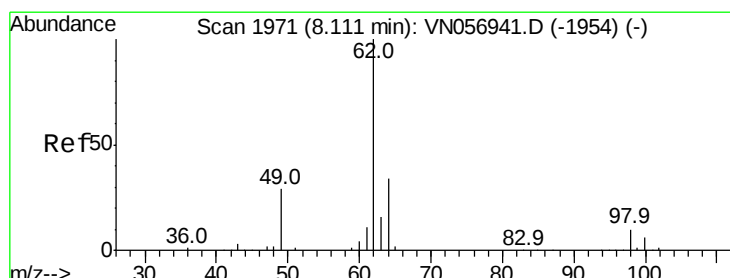
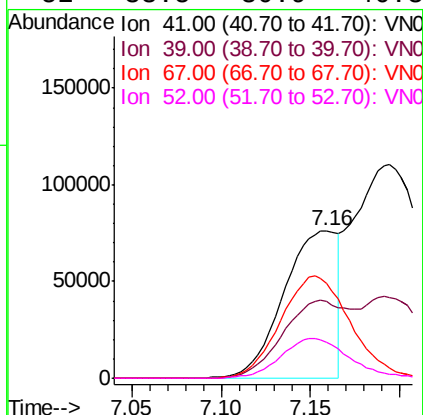
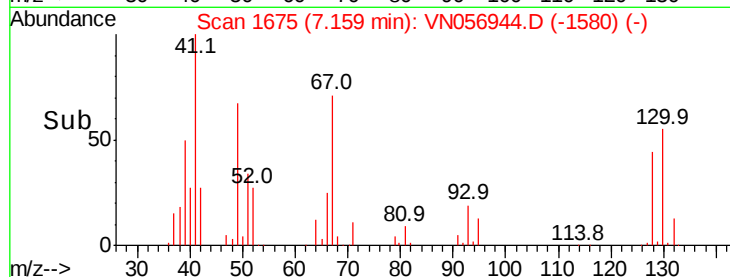
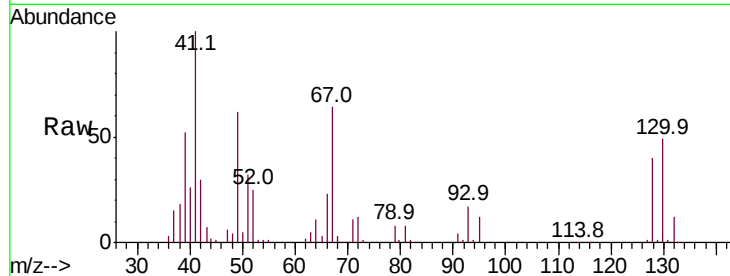
#41
Methacrylonitrile
Concen: 53.056 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	41	Resp	160426
Ion	Ratio	Lower	Upper
41	100		
39	65.7	48.9	73.3
67	90.2	83.4	125.0
52	33.5	30.9	46.3

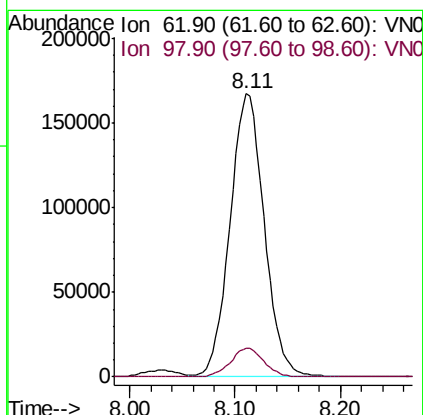
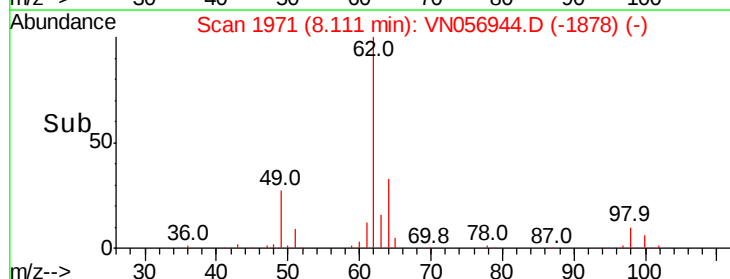
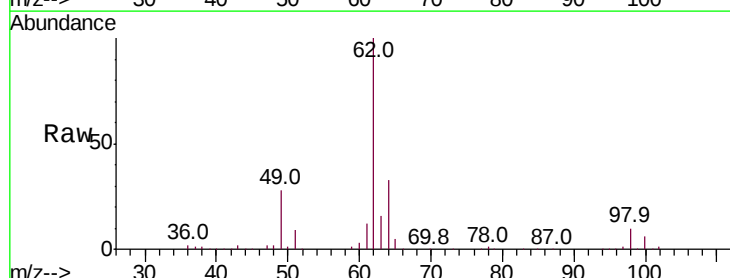
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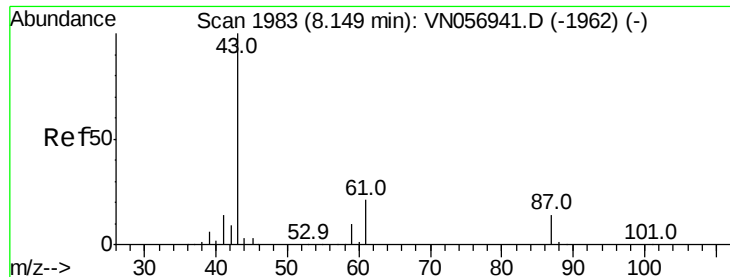
MMDadoda
8/2/2019 9:13:31 AM



#42
1,2-Dichloroethane
Concen: 47.533 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	62	Resp	374714
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.445 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

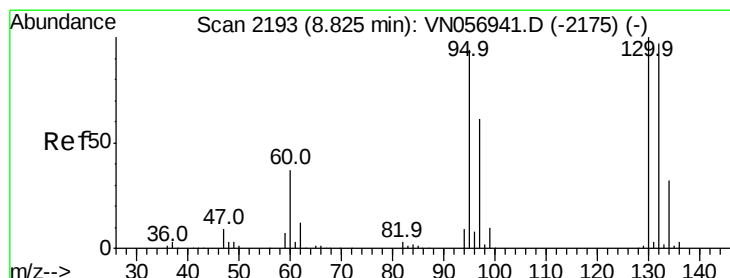
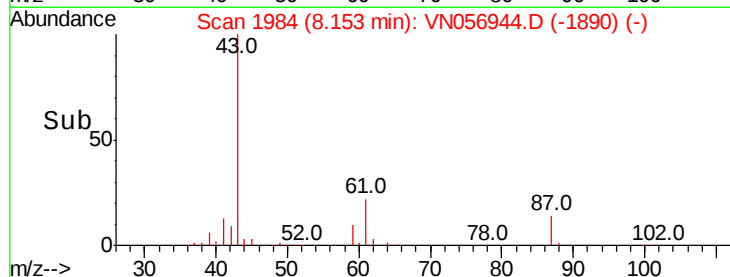
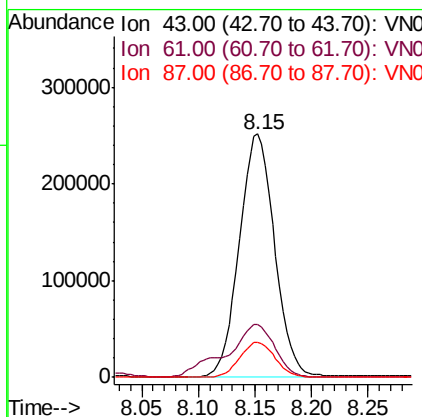
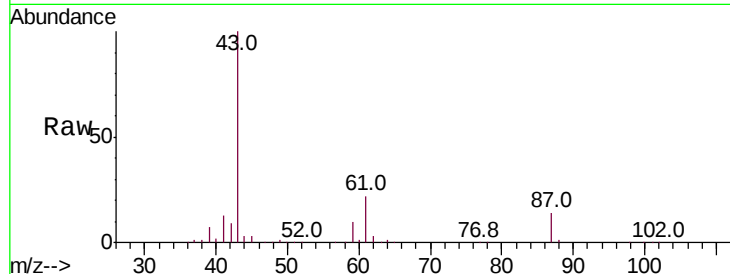
ClientSampleId :

ICVVN072719

Tot Ion:	43	Resp:	545344
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.0	34.6
87	14.5	11.7	17.5

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#44

Trichloroethene

Concen: 48.450 ug/l

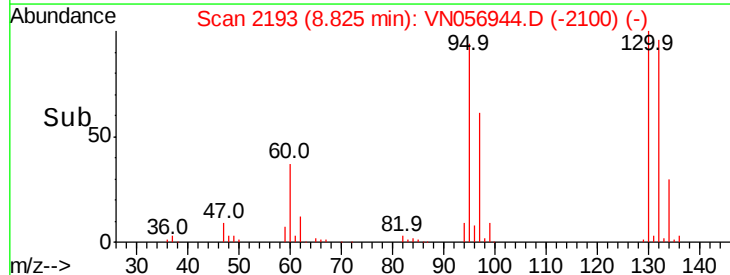
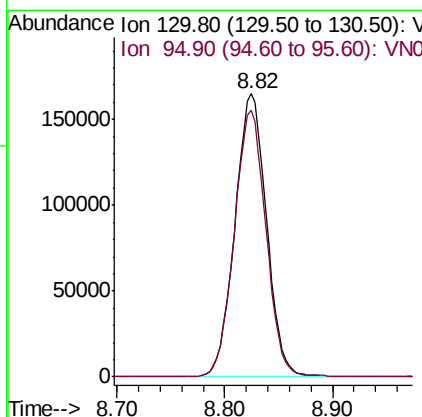
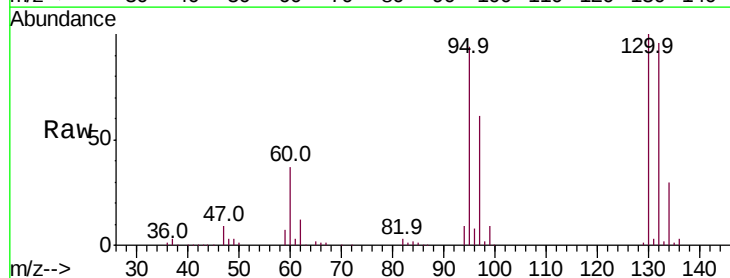
RT: 8.82 min Scan# 2193

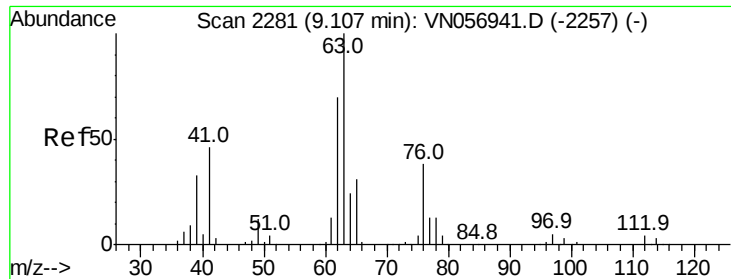
Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion:	130	Resp:	335744
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	189.0





#45

1,2-Dichloropropane

Concen: 48.333 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion: 63 Resp: 325179

Ion Ratio Lower Upper

63 100

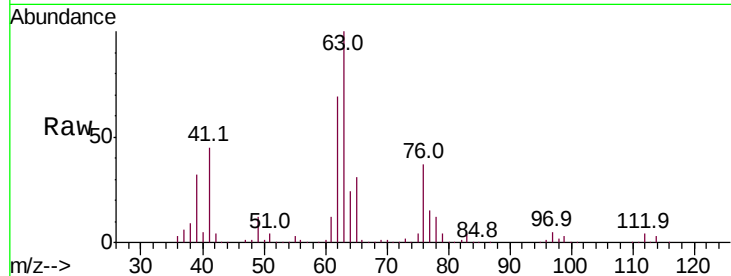
65 30.8 24.8 37.2

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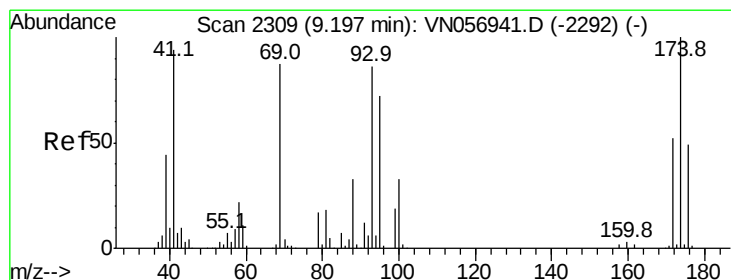
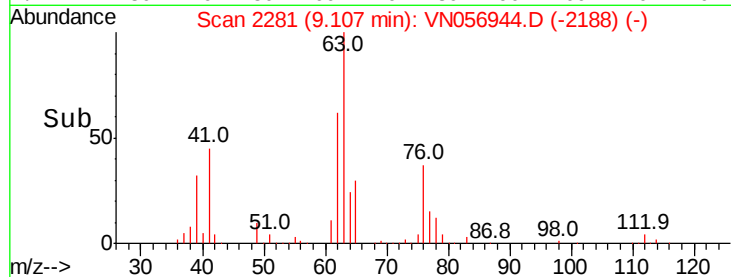
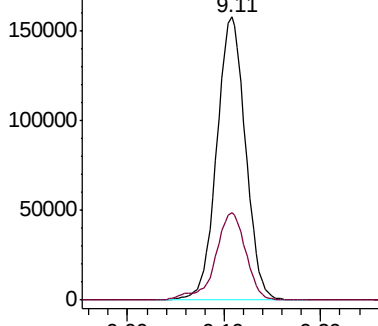
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.210 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

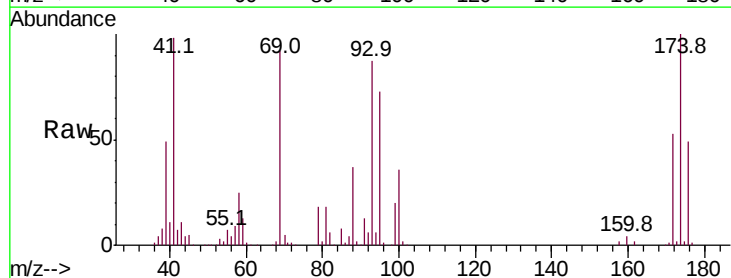
Tgt Ion: 93 Resp: 199663

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.6

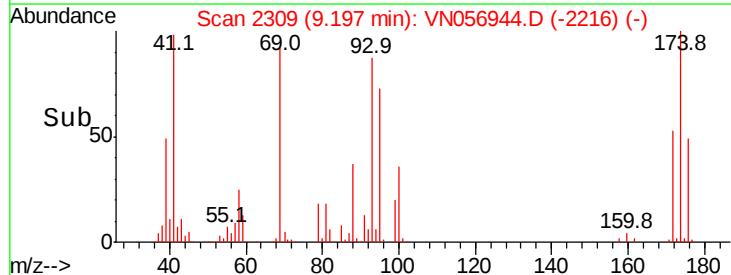
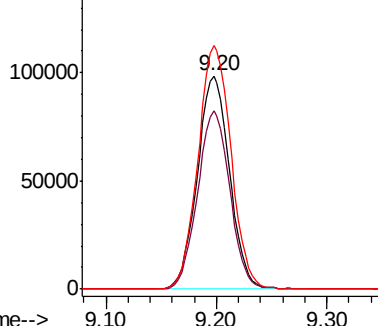
174 116.8 92.7 139.1

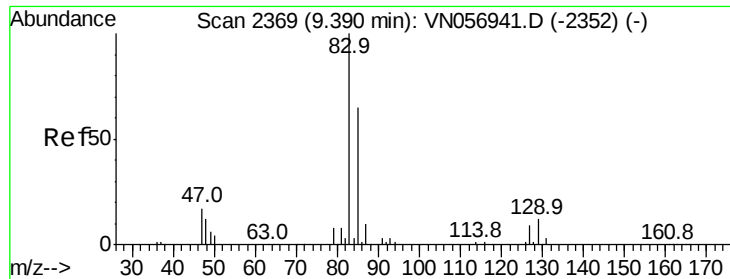


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.201 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

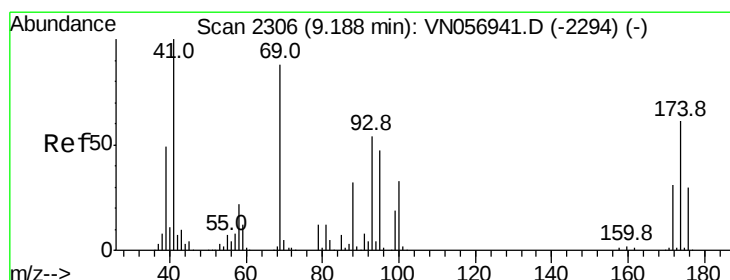
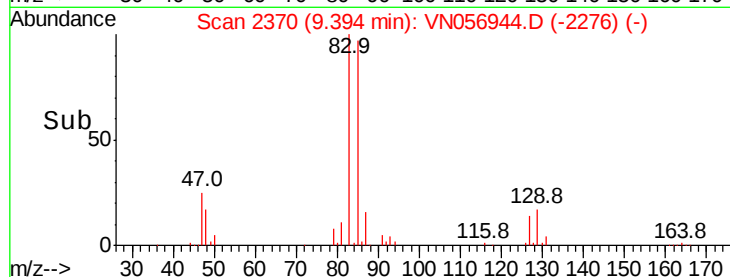
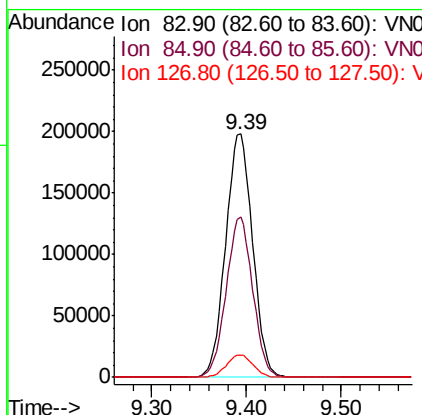
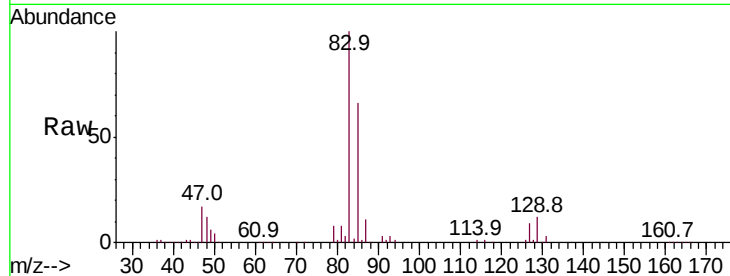
ClientSampleId :

ICVVN072719

Tot Ion:	83	Resp:	392490
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.6	77.4
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.772 ug/l

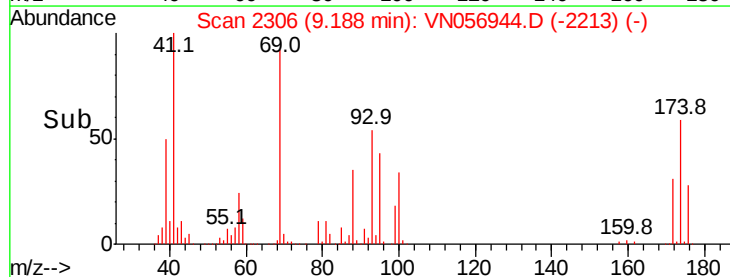
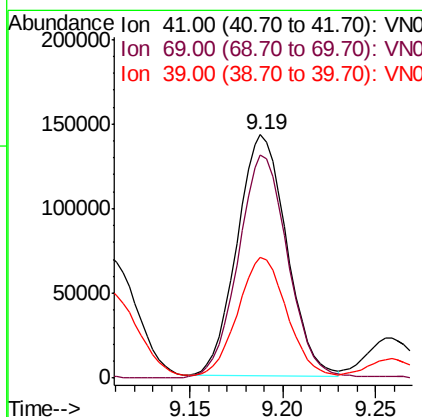
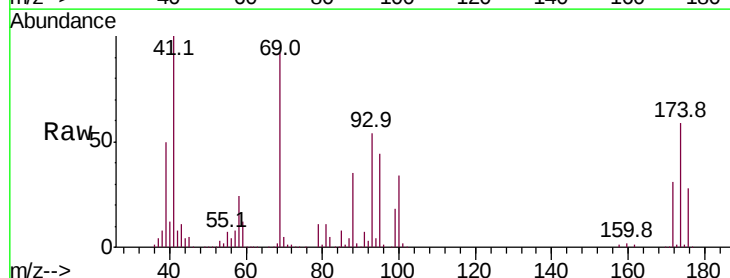
RT: 9.19 min Scan# 2306

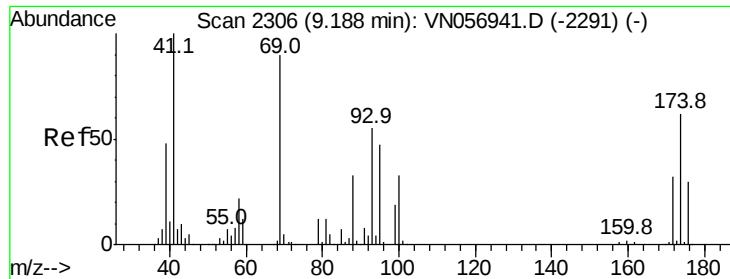
Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion:	41	Resp:	264996
Ion Ratio	Lower	Upper	
41	100		
69	93.7	73.4	110.0
39	50.2	39.9	59.9





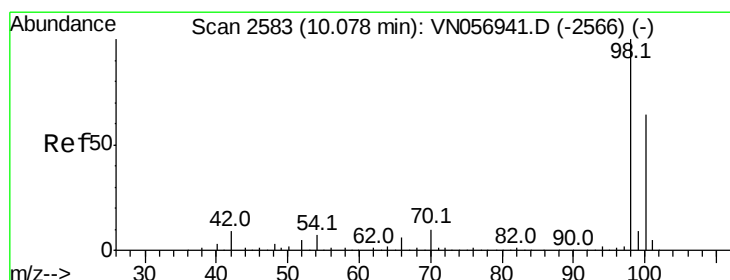
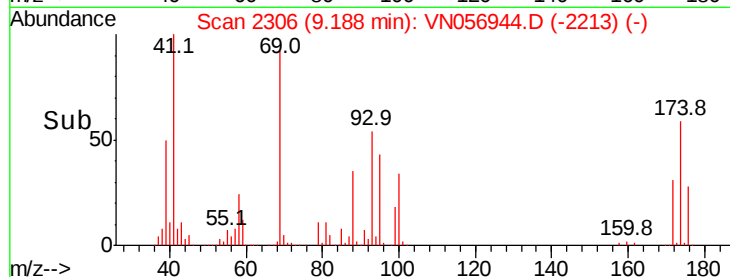
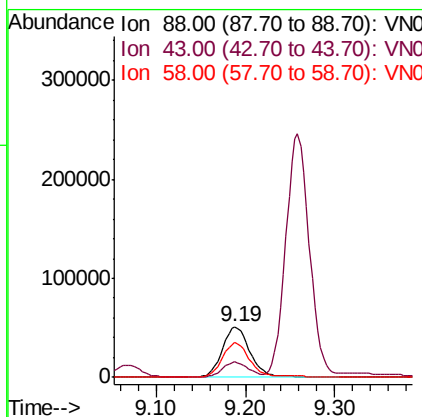
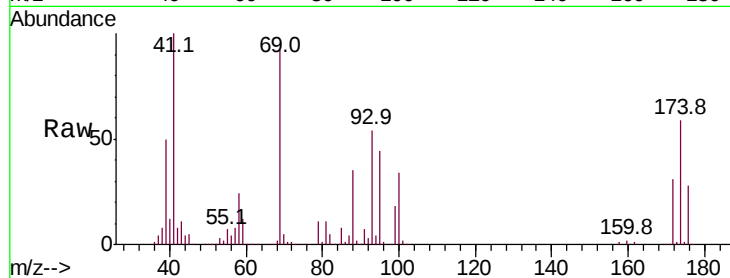
#49
1,4-Dioxane
Concen: 1029.237 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.2	33.2
58	66.9	54.1	81.1

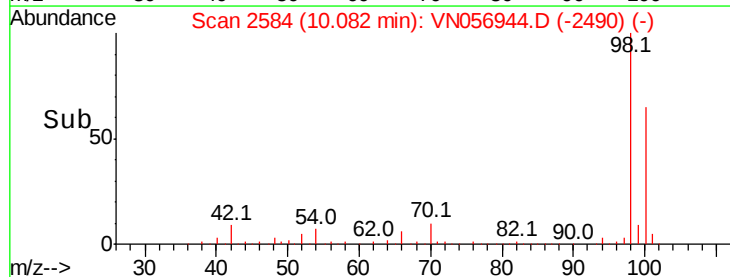
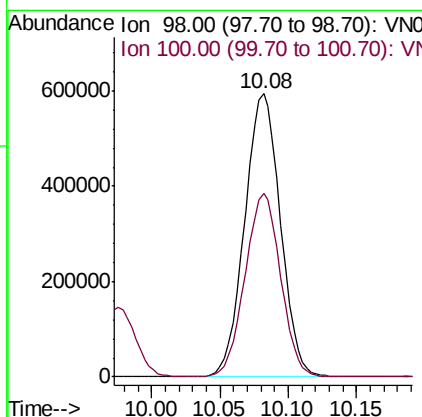
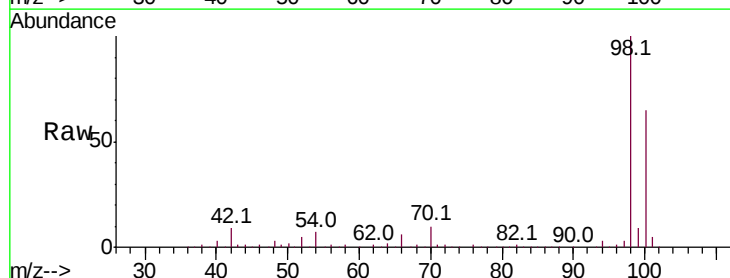
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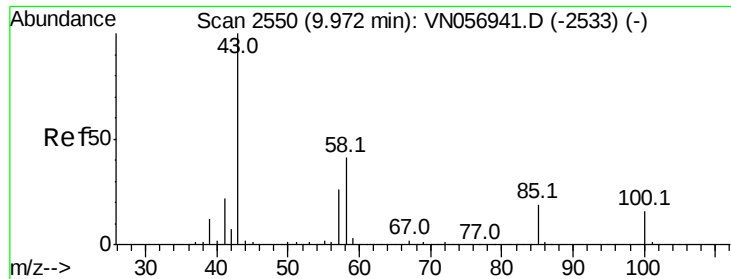
MMDadoda
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#50
Toluene-d8
Concen: 47.730 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 256.565 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tot Ion: 43 Resp: 1647985

Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7

Instrument :

MSVOA_N

ClientSampled :

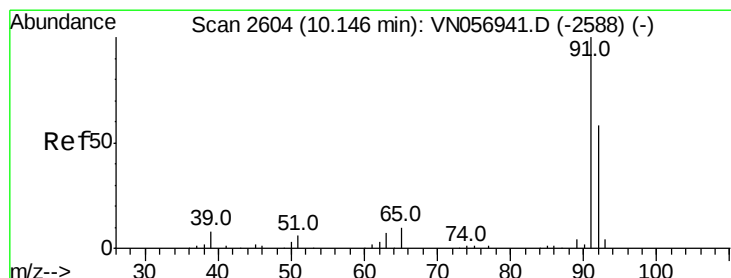
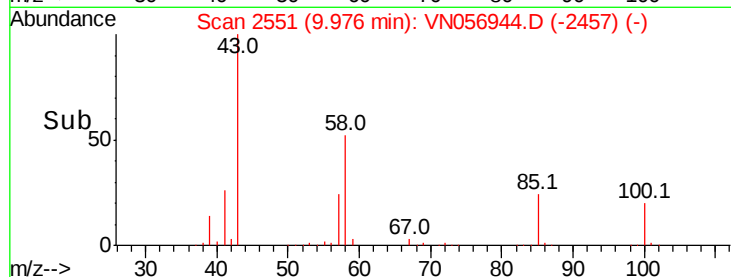
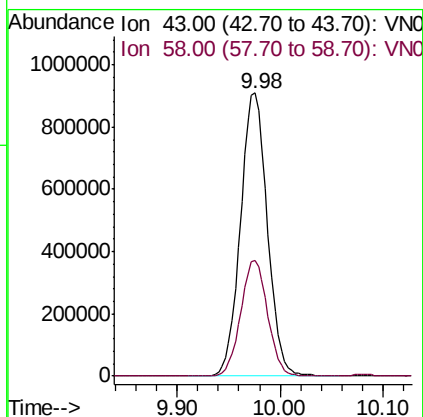
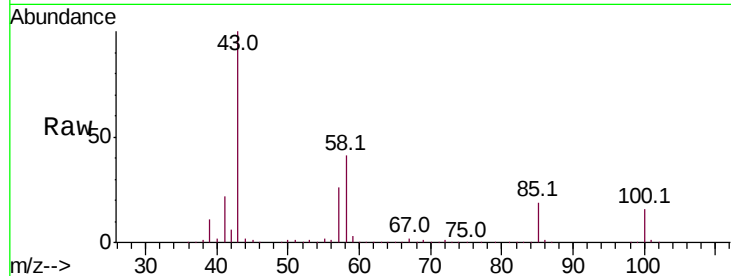
ICVVN072719

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#52

Toluene

Concen: 48.852 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056944.D

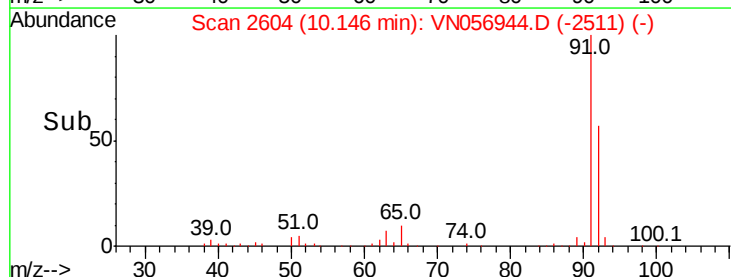
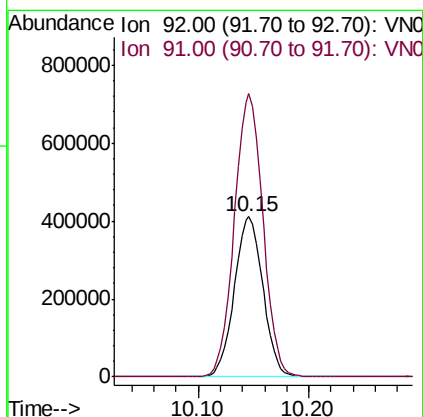
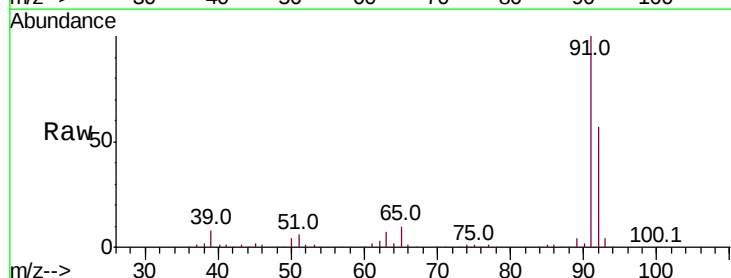
Acq: 26 Jul 2019 15:57

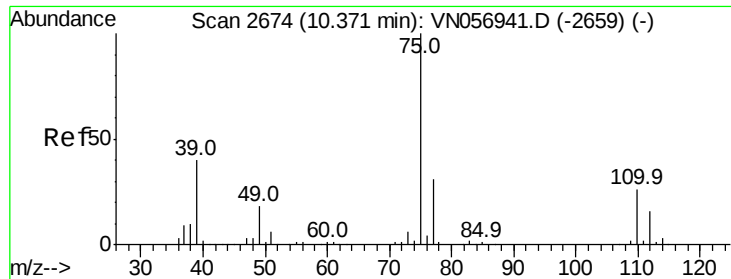
Tgt Ion: 92 Resp: 738265

Ion Ratio Lower Upper

92 100

91 177.0 138.0 207.0





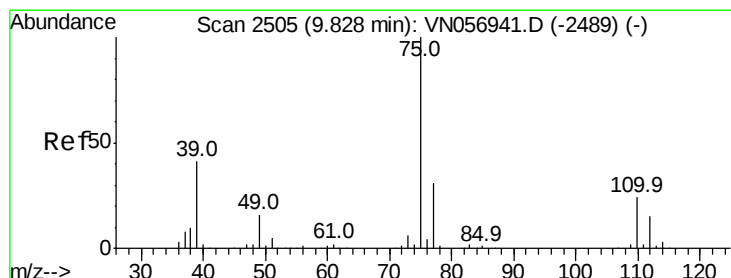
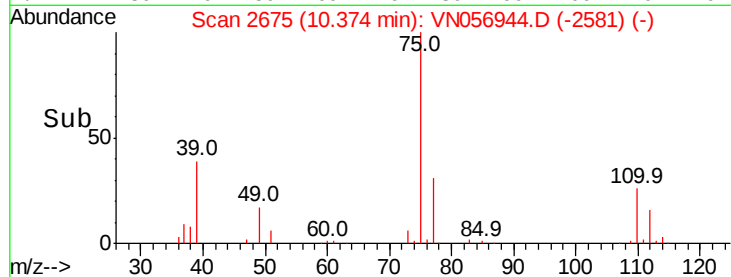
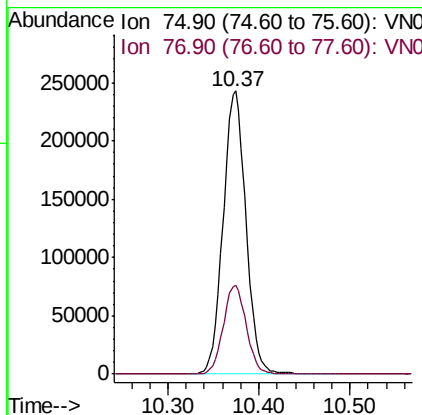
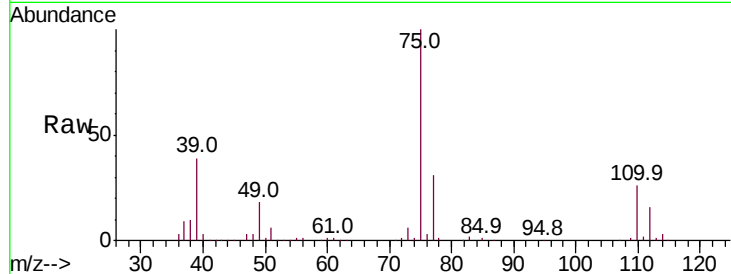
#53
 t-1,3-Dichloropropene
 Concen: 51.179 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN072719

Tot Ion: 75 Resp: 423665
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7

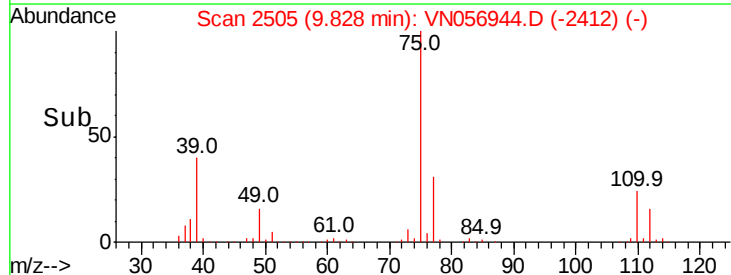
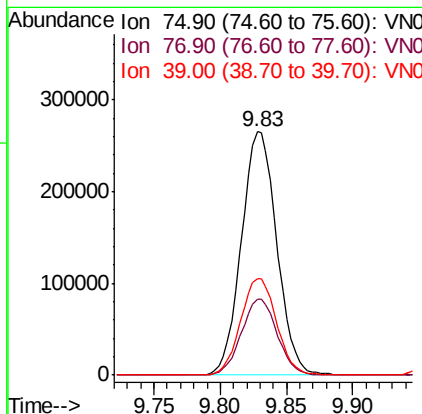
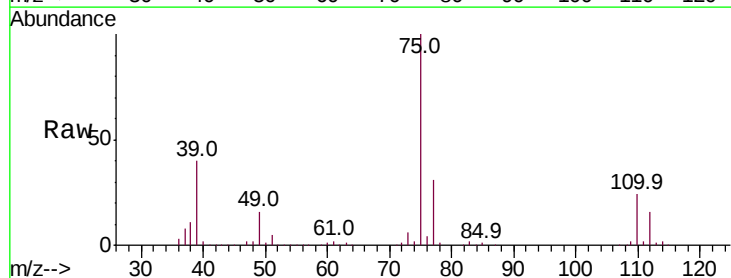
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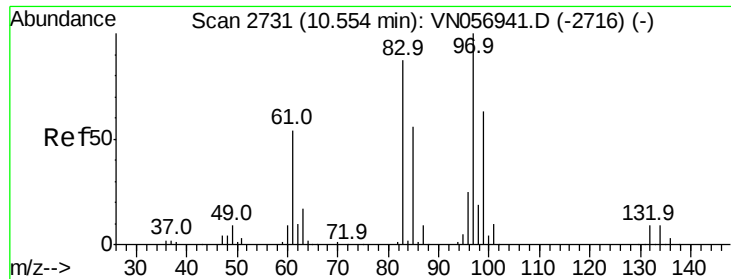
MMDadoda
 8/2/2019 9:13:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.185 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion: 75 Resp: 492658
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.6
 39 39.8 32.6 49.0





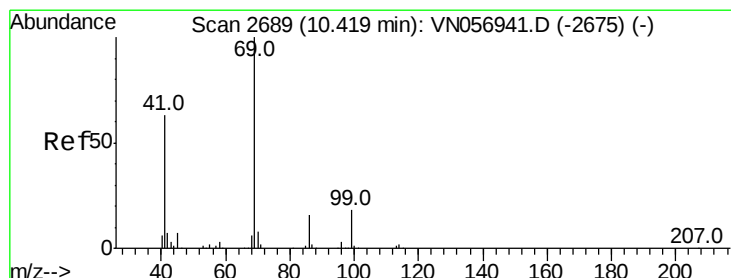
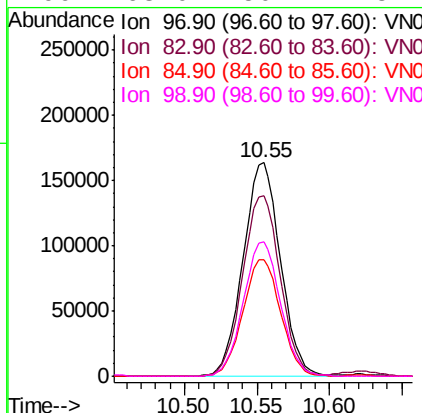
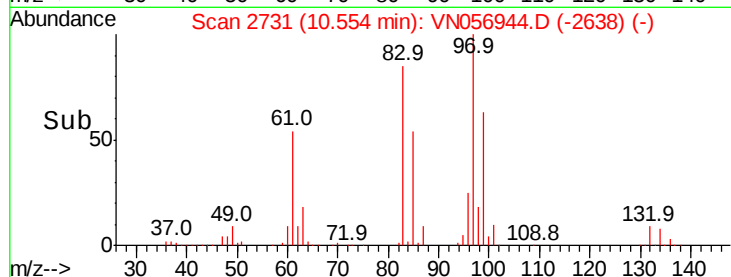
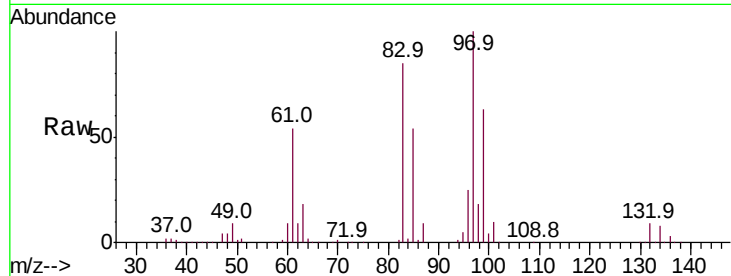
#55
 1,1,2-Trichloroethane
 Concen: 48.570 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN072719

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.4	104.0
85	54.4	44.7	67.1
99	63.0	50.1	75.1

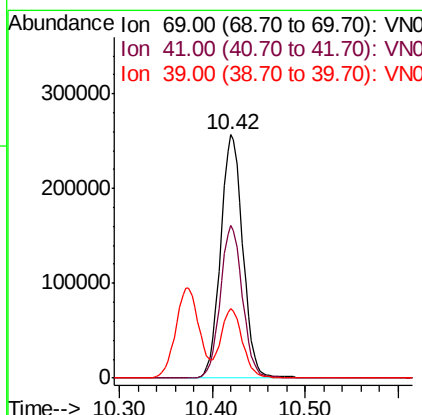
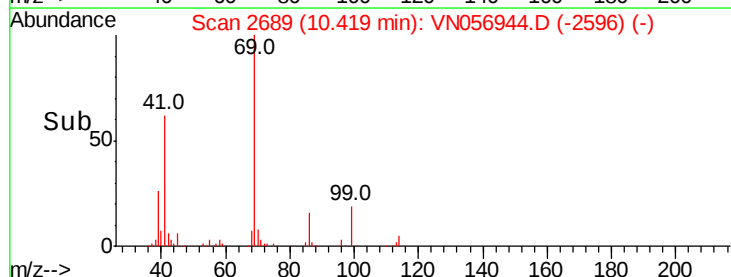
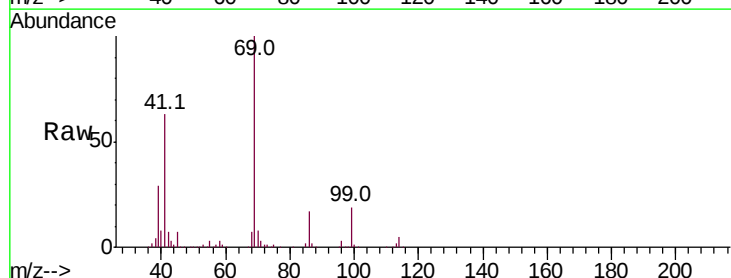
Manual Integrations
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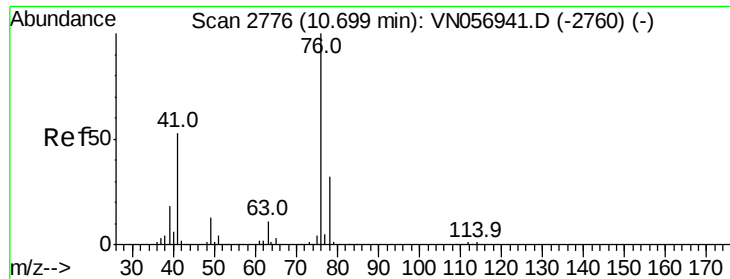
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#56
 Ethyl methacrylate
 Concen: 46.659 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.2	73.8
39	28.5	23.1	34.7





#57

1,3-Dichloropropane

Concen: 48.486 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

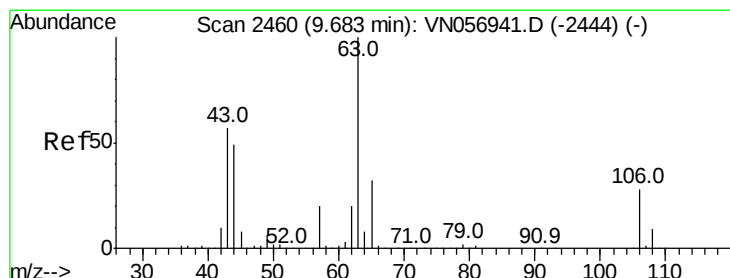
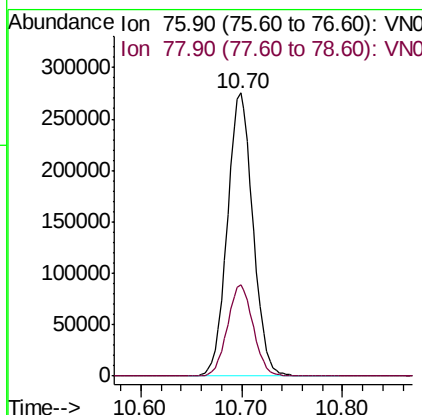
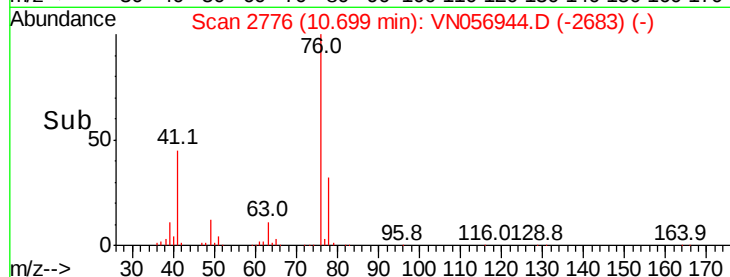
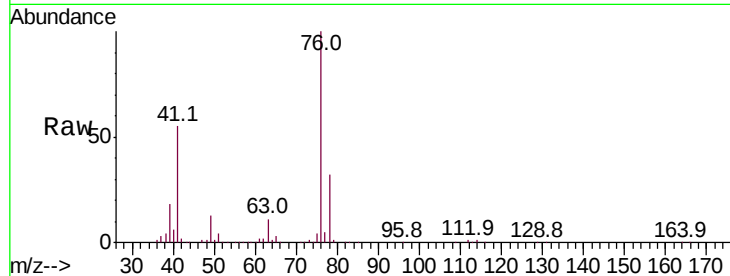
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion: 76 Resp: 487269

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

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#58

2-Chloroethyl Vinyl ether

Concen: 251.166 ug/l

RT: 9.69 min Scan# 2461

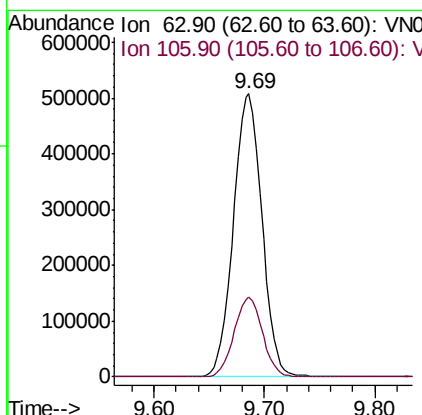
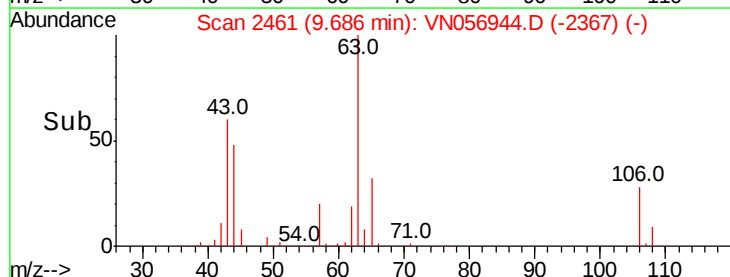
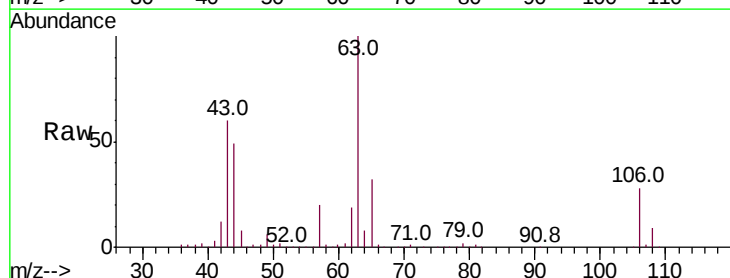
Delta R.T. 0.00 min

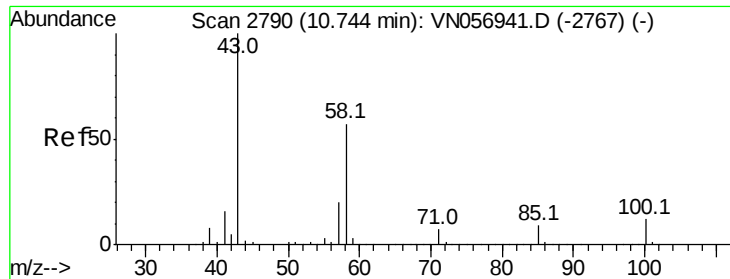
Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion: 63 Resp: 912175

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.0	33.0





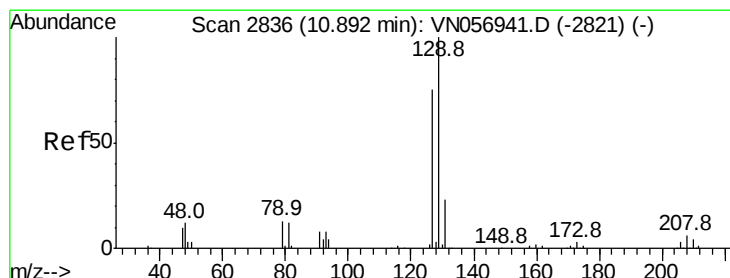
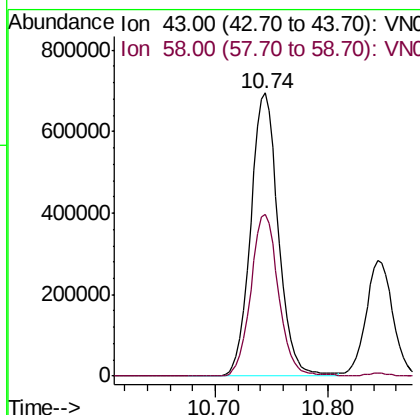
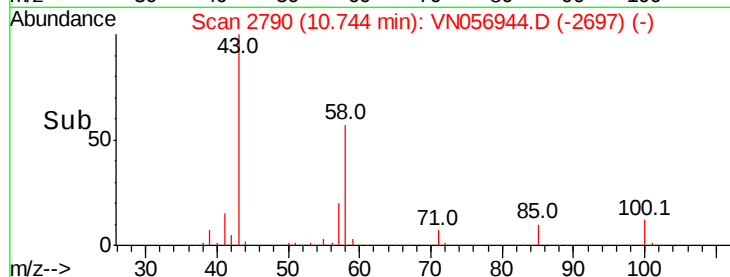
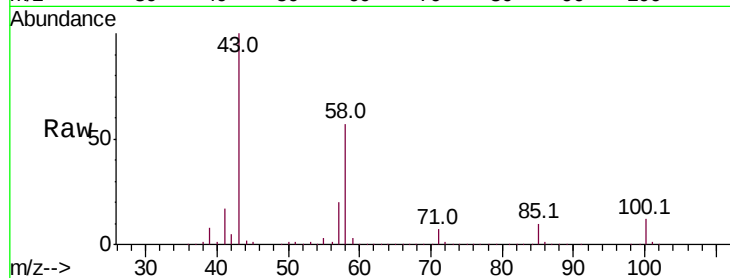
#59
2-Hexanone
Concen: 238.167 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion: 43 Resp: 1177508
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5

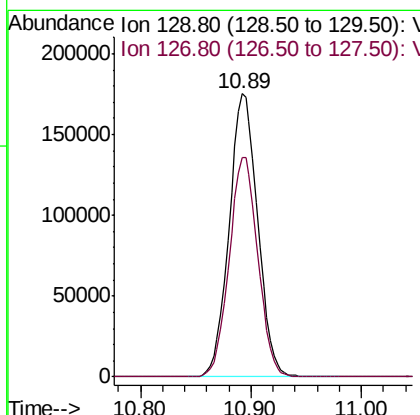
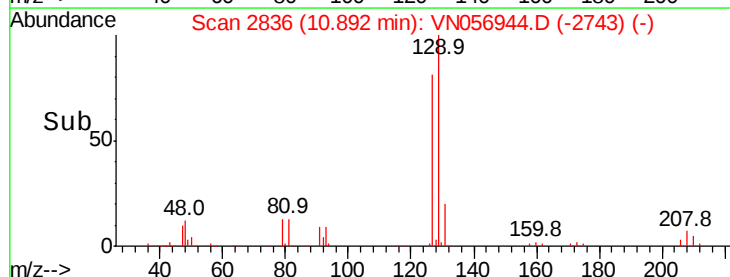
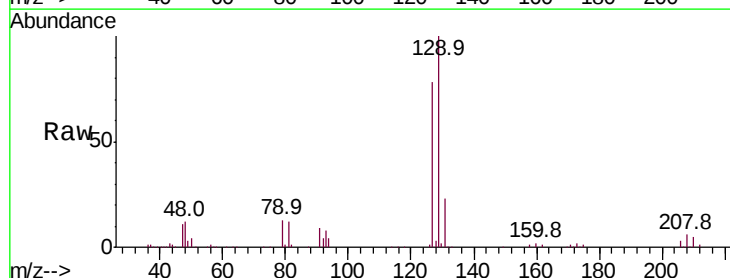
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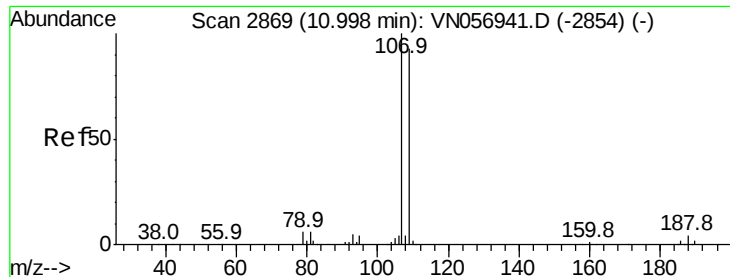
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#60
Dibromochloromethane
Concen: 50.595 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion: 129 Resp: 314152
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





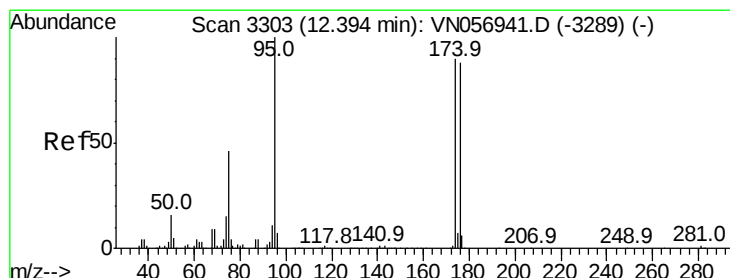
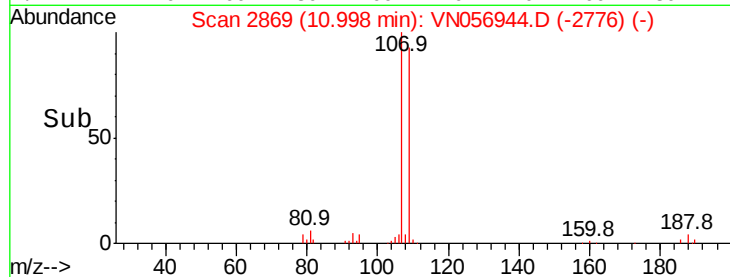
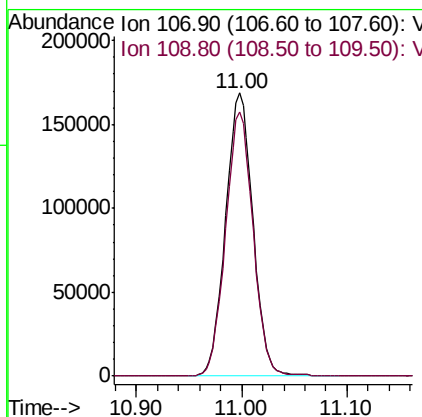
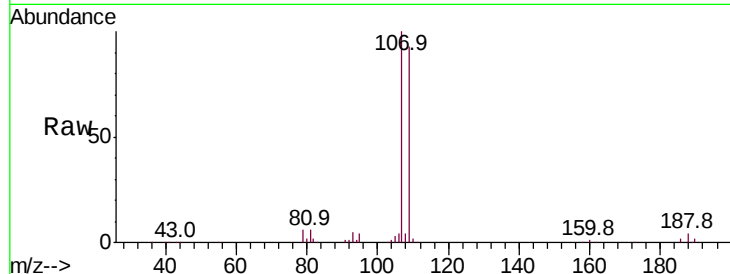
#61
 1,2-Dibromoethane
 Concen: 51.081 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072719

Tot Ion	Ratio	Resp	Lower	Upper
107	100	302113		
109	93.8	76.0	114.0	

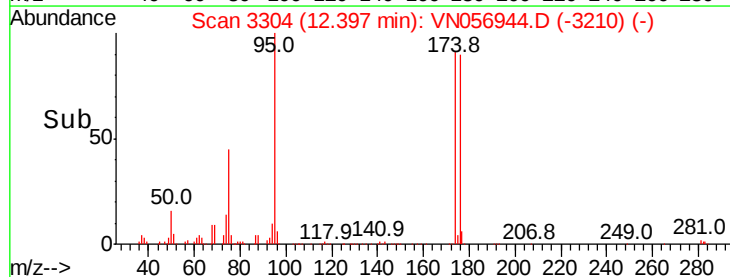
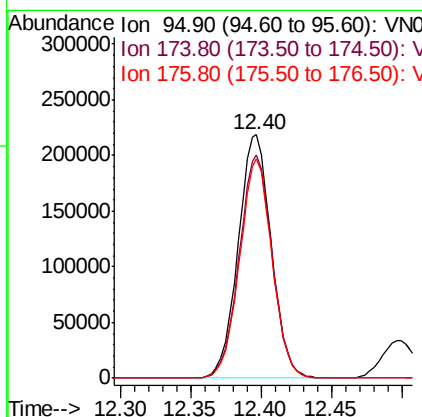
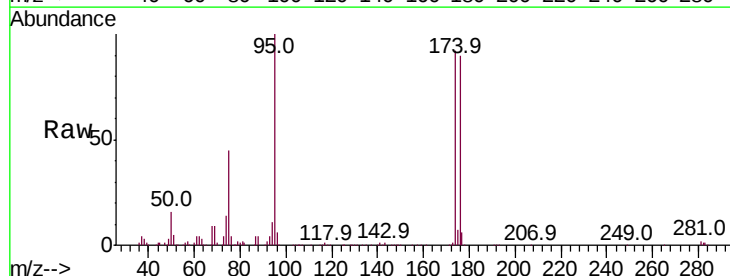
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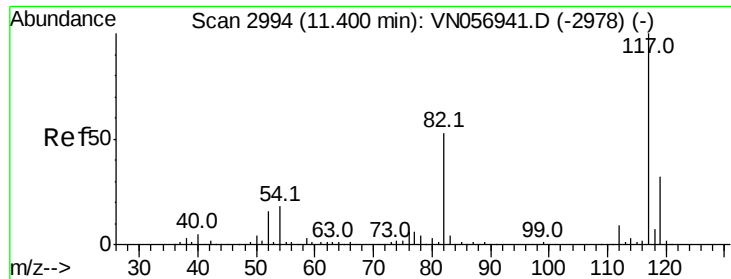
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#62
 4-Bromofluorobenzene
 Concen: 48.692 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	359143		
174	91.4	0.0	182.2	
176	88.6	0.0	179.4	





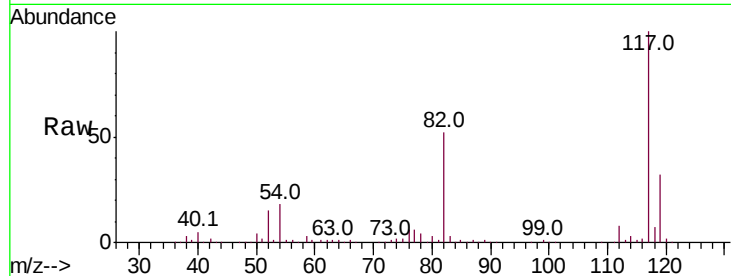
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.4
119	32.1	25.8	38.6

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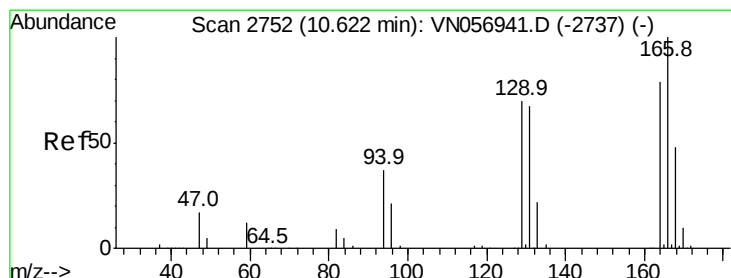
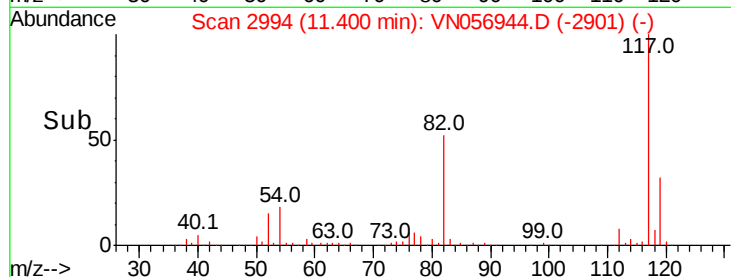
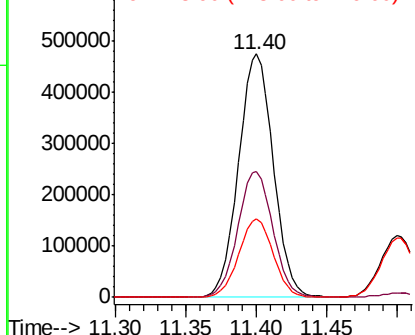


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.747 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.1	151.7
129	90.6	70.9	106.3
131	86.3	67.7	101.5

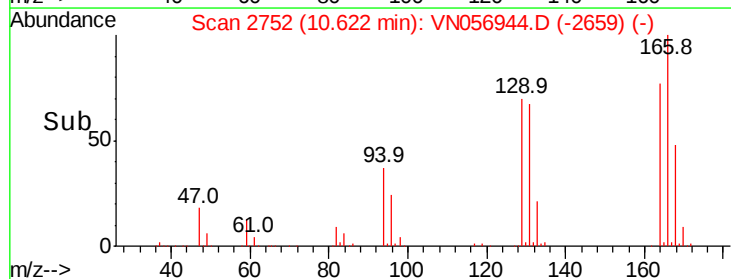
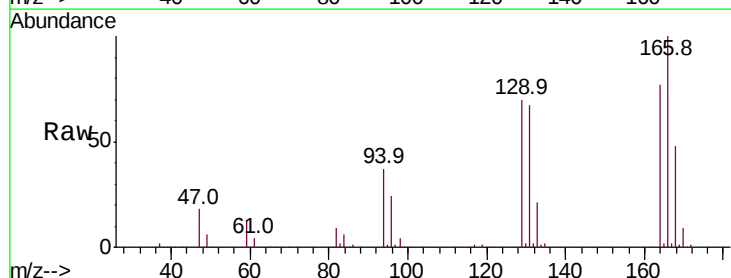
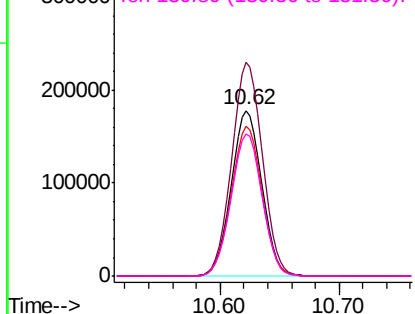
Abundance

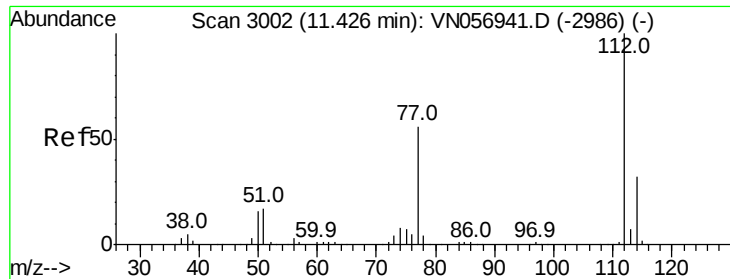
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





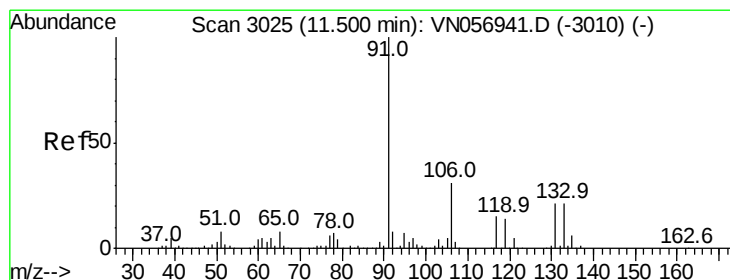
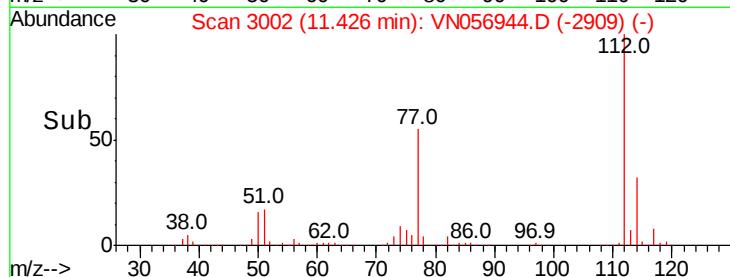
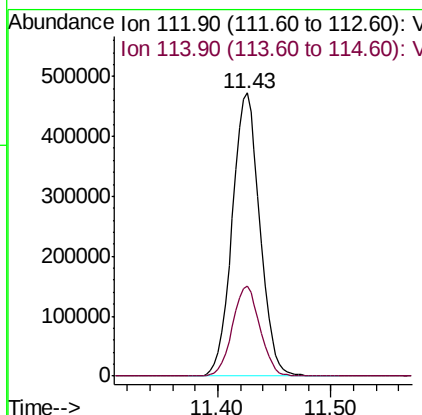
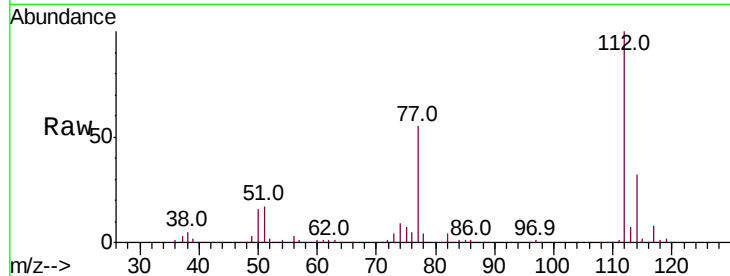
#65
Chlorobenzene
Concen: 47.812 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion:112 Resp: 800653
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

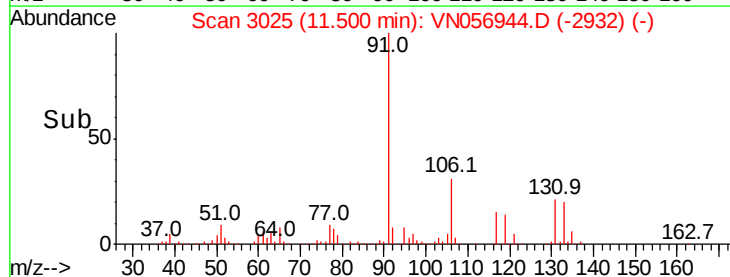
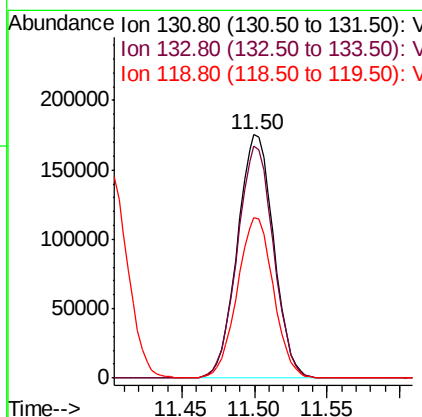
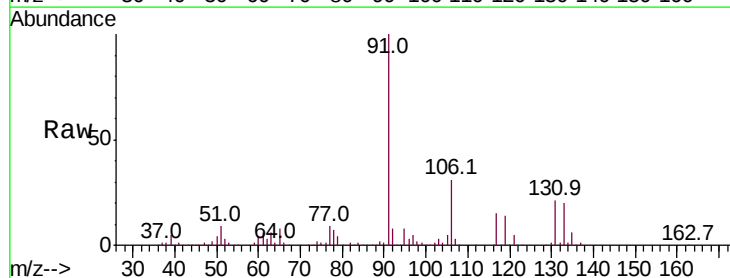
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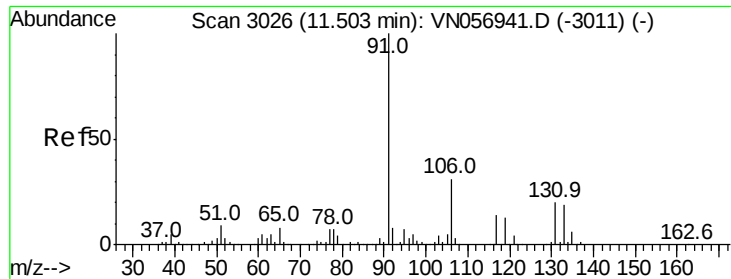
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.444 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion:131 Resp: 305337
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 65.6 33.2 99.6





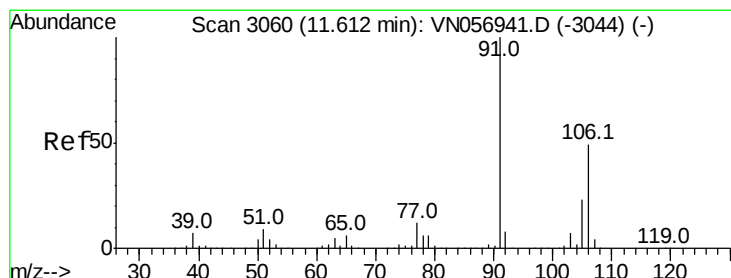
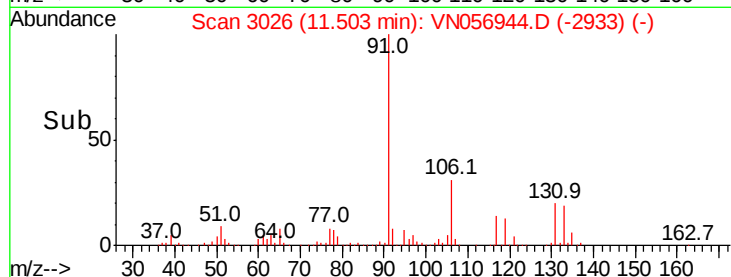
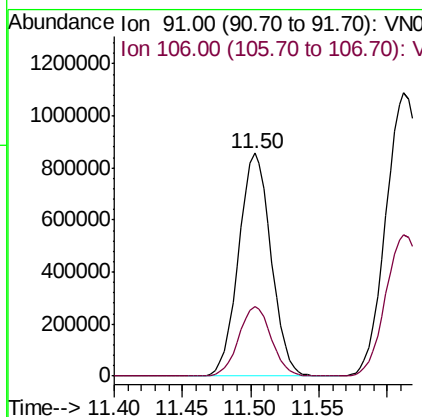
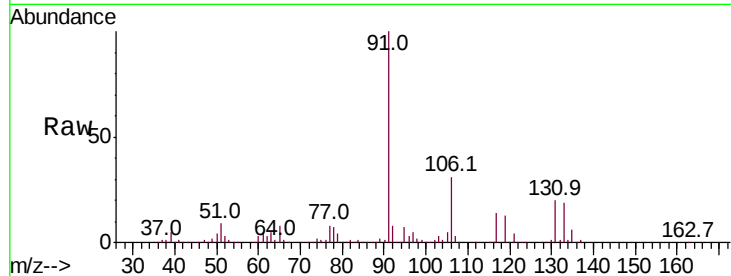
#67
Ethyl Benzene
Concen: 48.858 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion: 91 Resp: 1414063
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

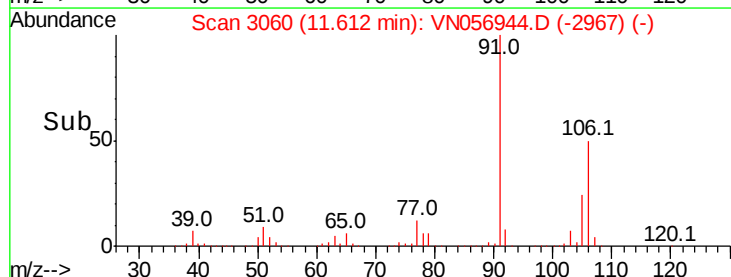
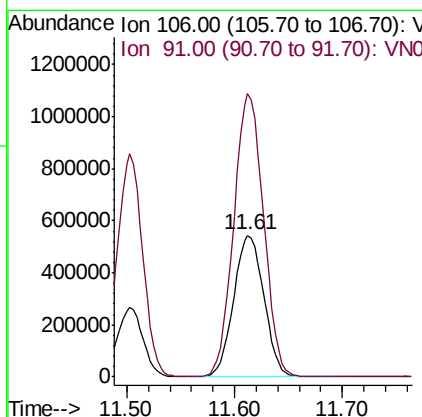
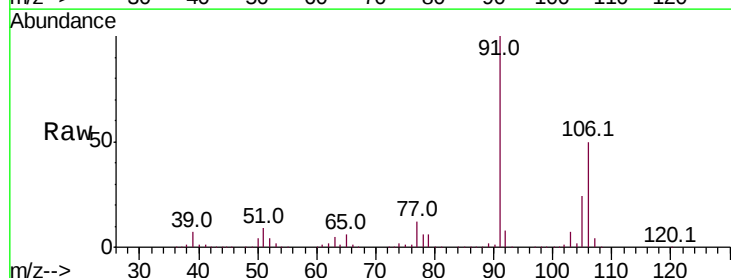
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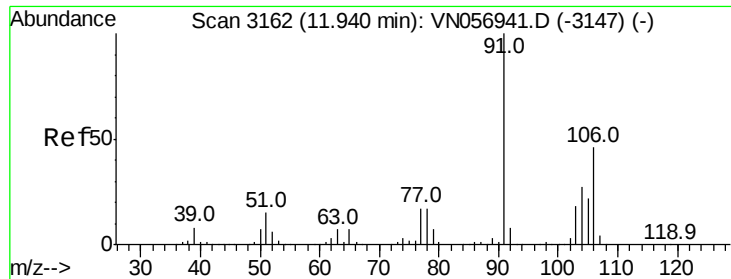
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#68
m/p-Xylenes
Concen: 99.325 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion: 106 Resp: 1060922
Ion Ratio Lower Upper
106 100
91 197.7 160.0 240.0





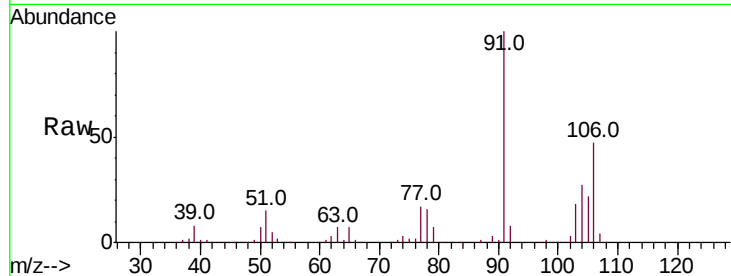
#69
o-Xylene
Concen: 48.629 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

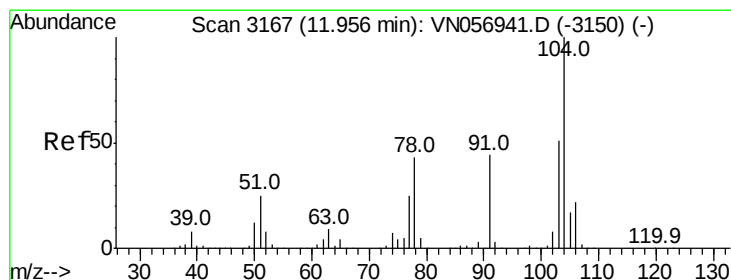
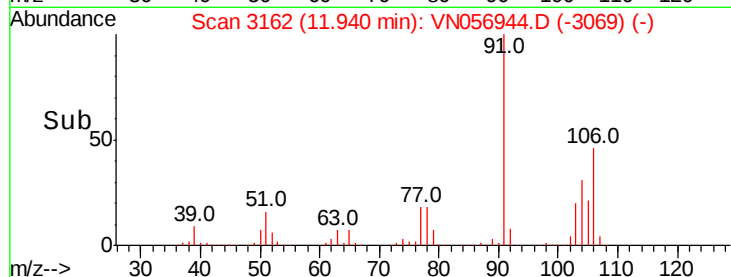
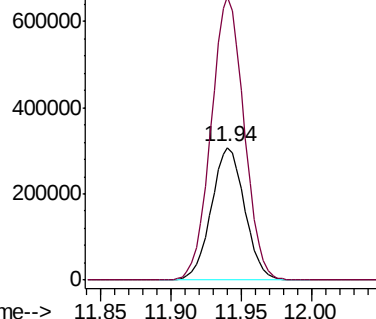
Tot Ion:106 Resp: 508176
Ion Ratio Lower Upper
106 100
91 211.8 106.2 318.6

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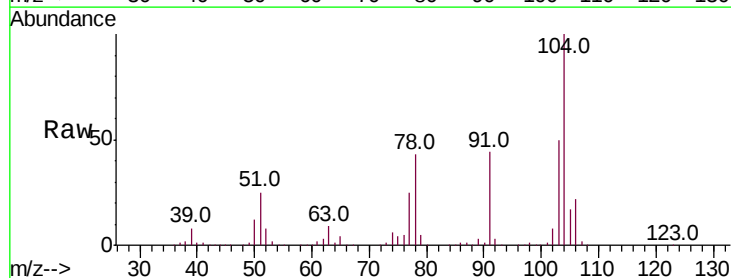


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

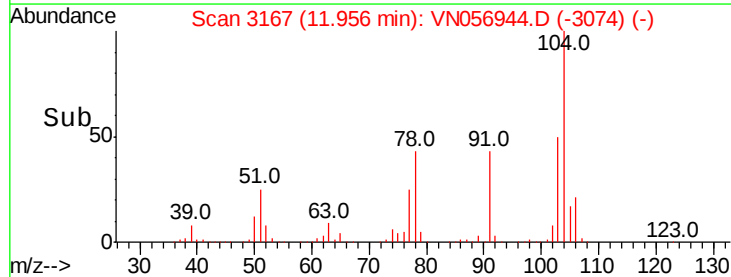
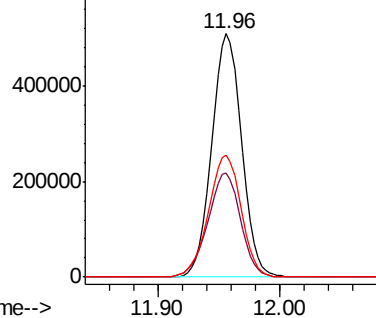


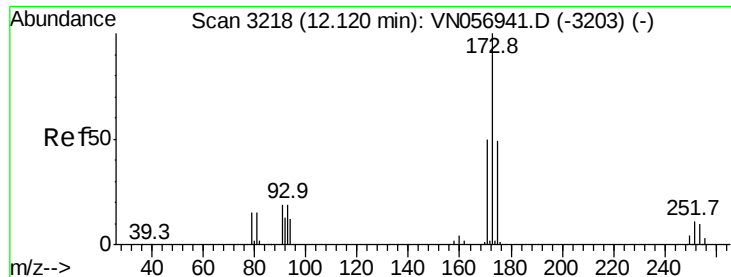
#70
Styrene
Concen: 46.583 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion:104 Resp: 857975
Ion Ratio Lower Upper
104 100
78 46.9 38.1 57.1
103 54.9 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





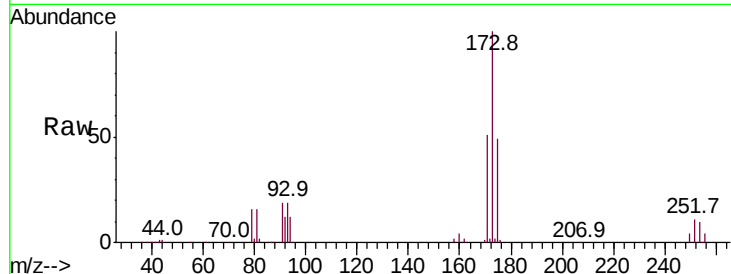
#71
Bromoform
Concen: 50.866 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

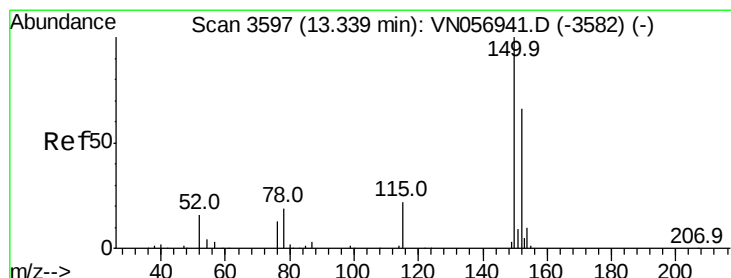
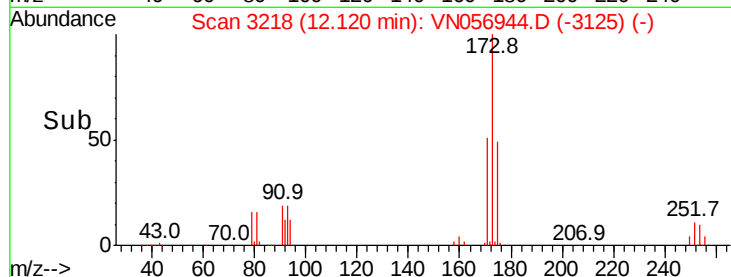
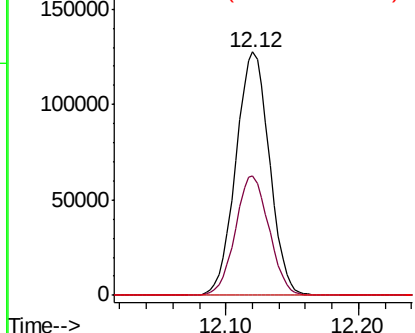
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.4
254	0.1	0.1	0.1#

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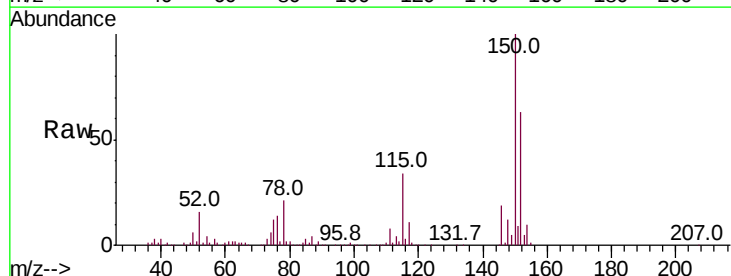


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

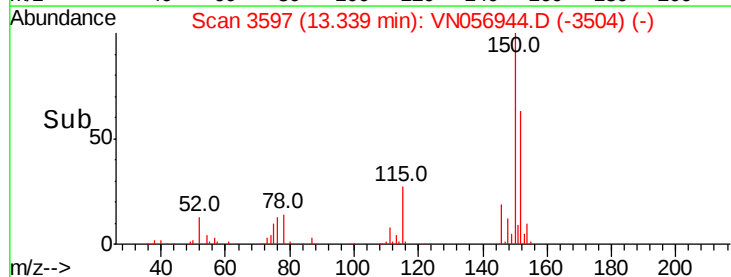
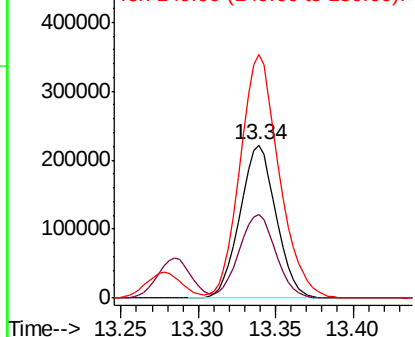


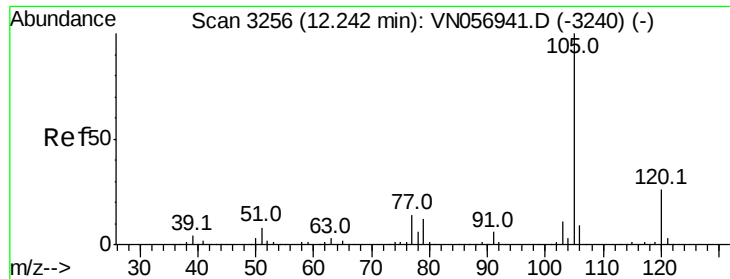
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.2	84.6
150	171.9	0.0	349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.143 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion:105 Resp: 1370852

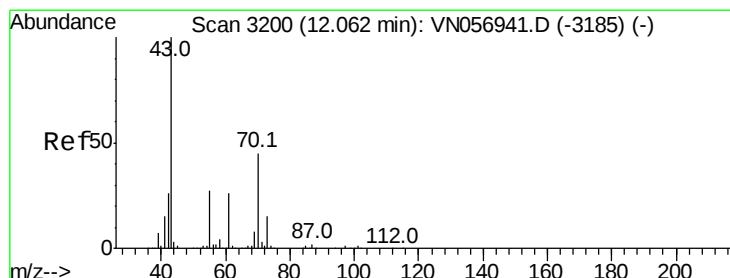
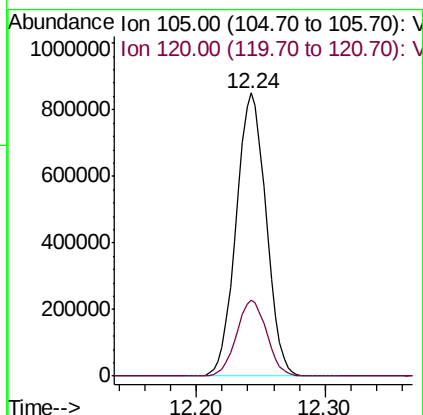
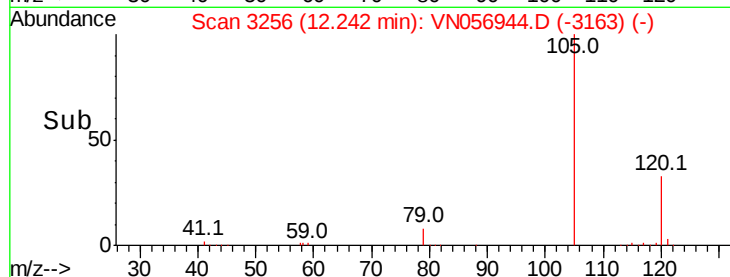
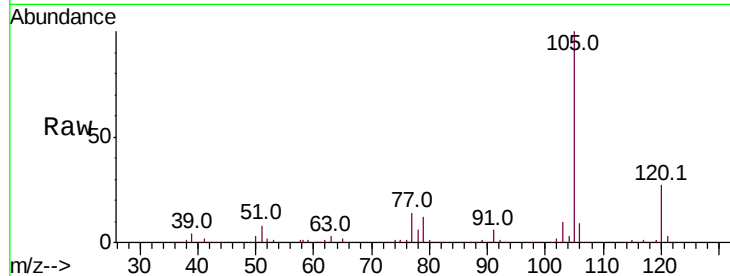
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5

Manual Integrations
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8/2/2019 9:13:31 AM



#74

N-ethyl acetate

Concen: 47.982 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Tgt Ion: 43 Resp: 432663

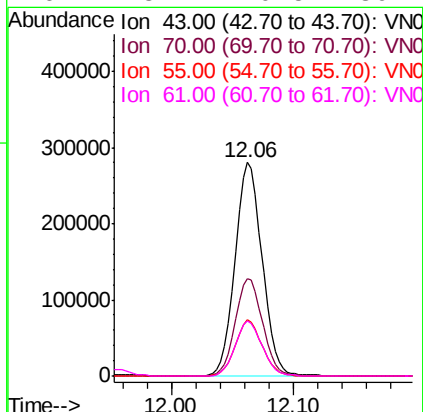
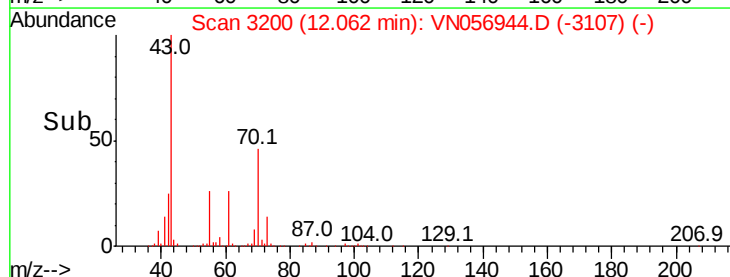
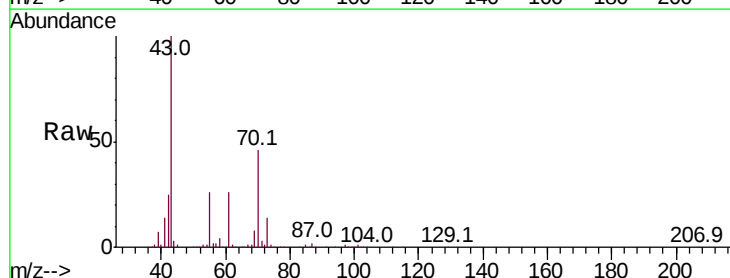
Ion Ratio Lower Upper

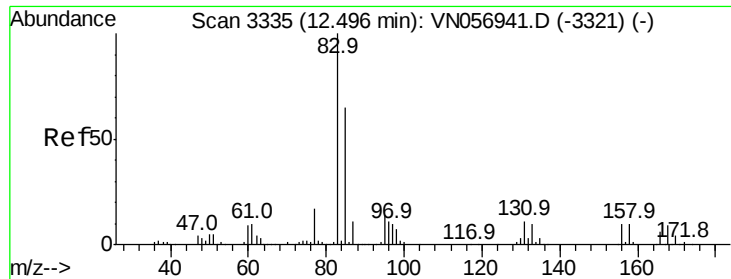
43 100

70 46.0 36.5 54.7

55 26.0 21.4 32.0

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.682 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

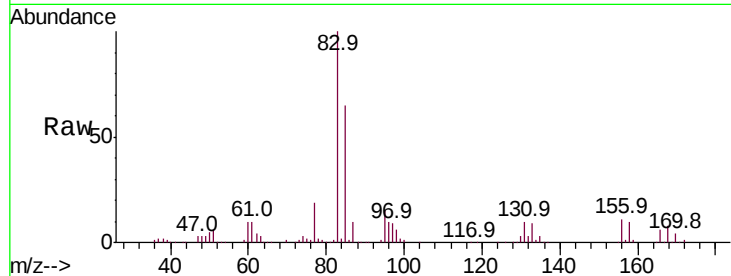
ClientSampleId :

ICVVN072719

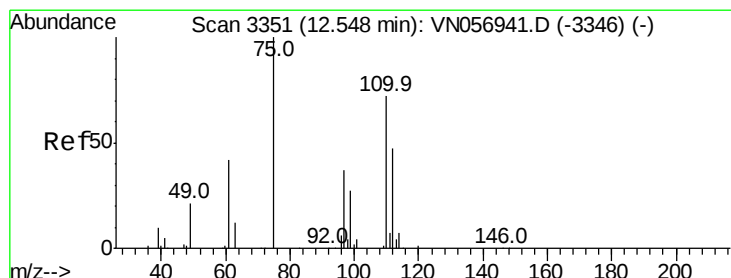
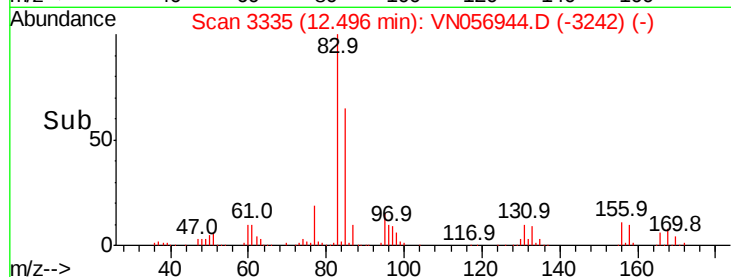
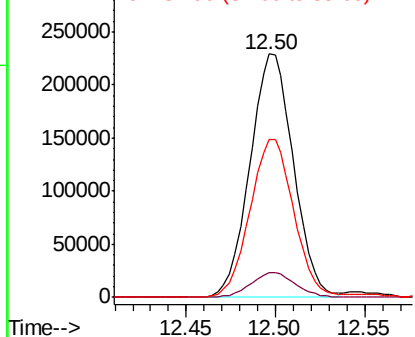
Tot Ion:	83	Resp:	390102
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	65.2	32.5	97.4

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 44.460 ug/l m

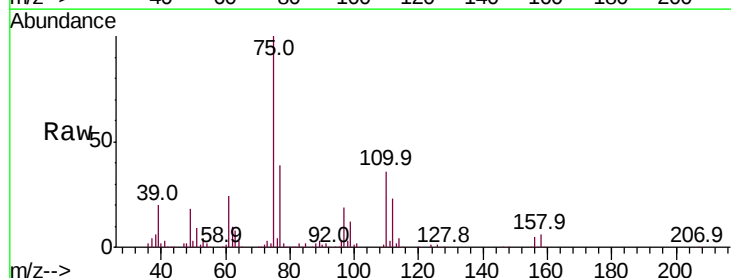
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

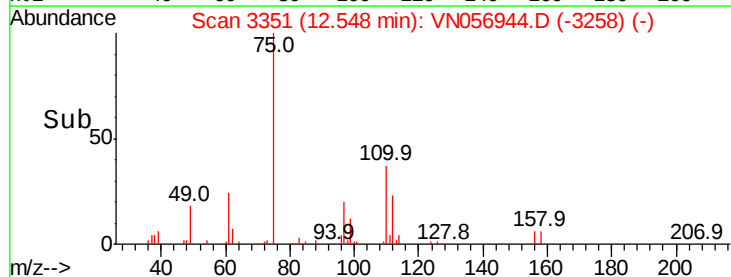
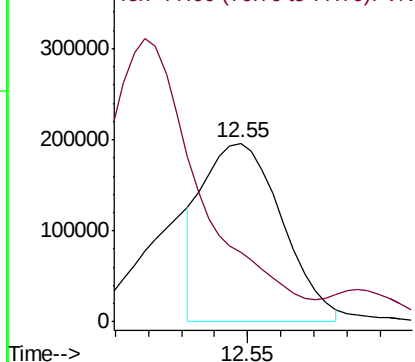
Lab File: VN056944.D

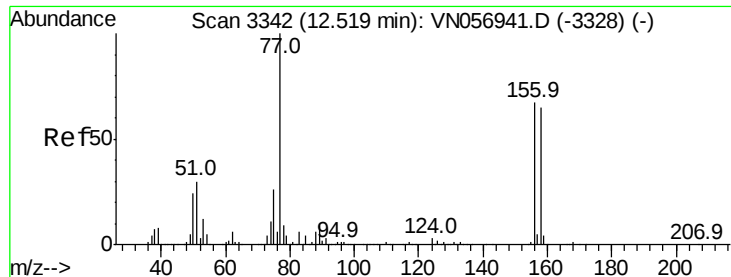
Acq: 26 Jul 2019 15:57

Tgt Ion:	75	Resp:	324444
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





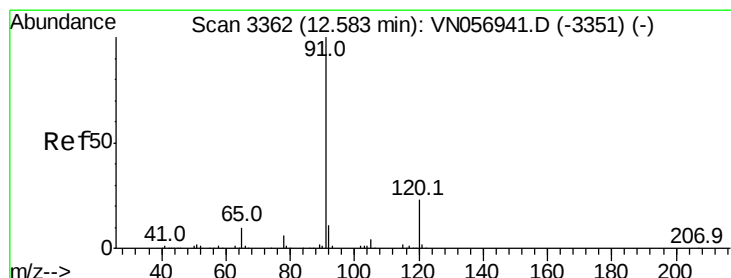
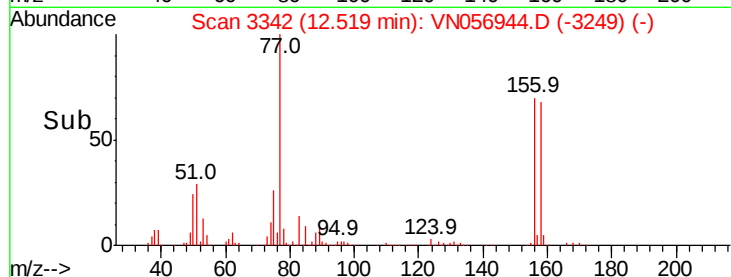
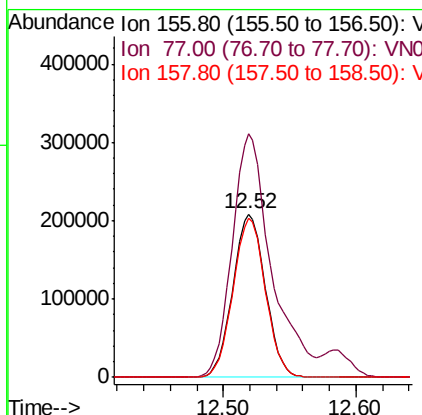
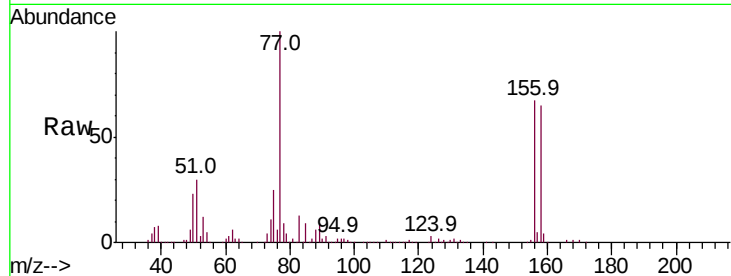
#77
Bromobenzene
Concen: 43.799 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.9	89.5	268.5
158	97.1	48.4	145.3

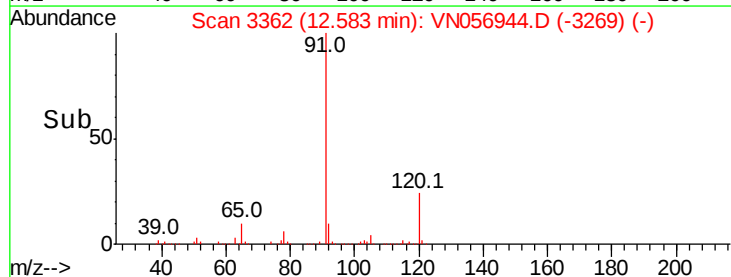
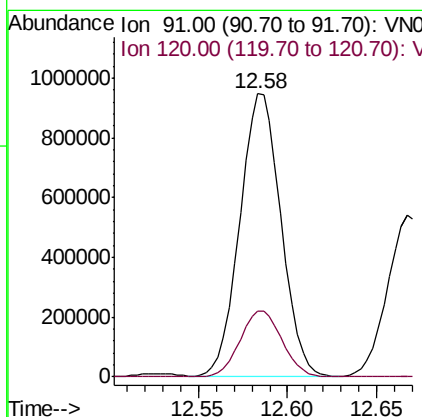
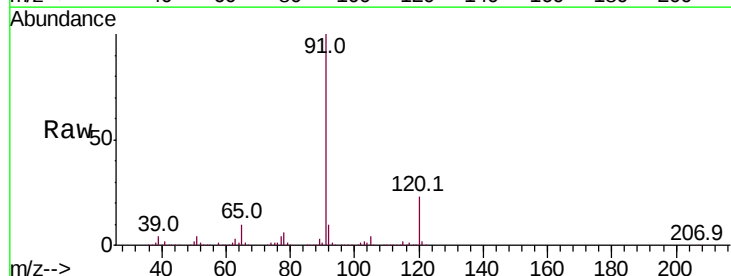
Manual Integrations
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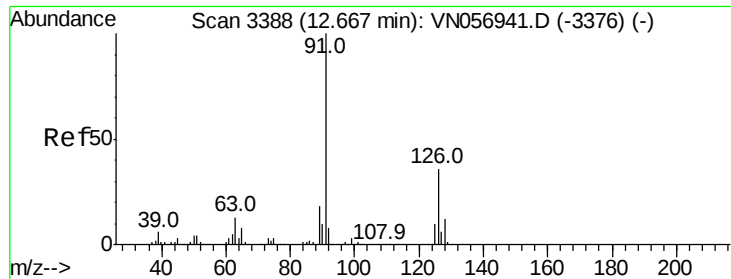
MMDadoda
8/2/2019 9:13:31 AM



#78
n-propylbenzene
Concen: 45.888 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 44.003 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN072719

Tot Ion: 91 Resp: 898443

Ion Ratio Lower Upper

91 100

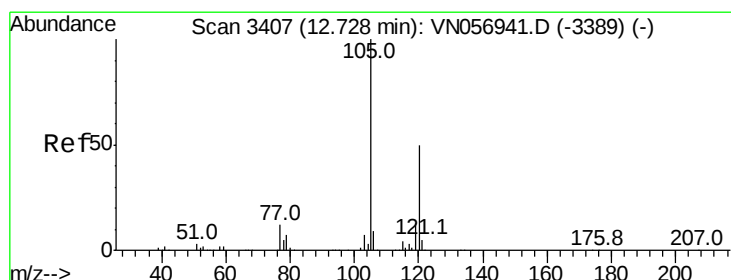
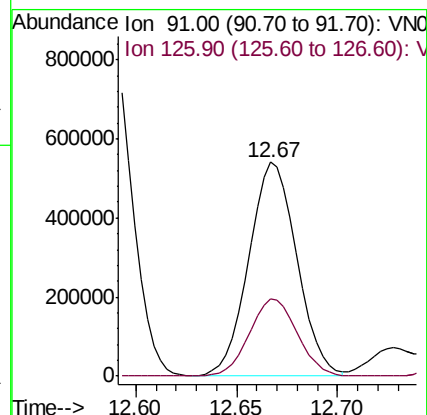
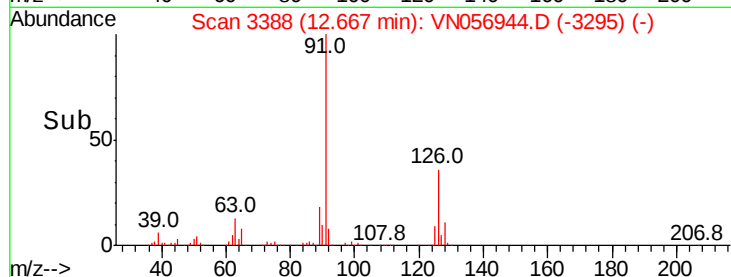
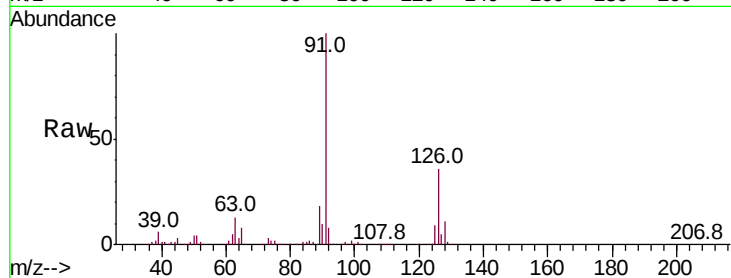
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.376 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056944.D

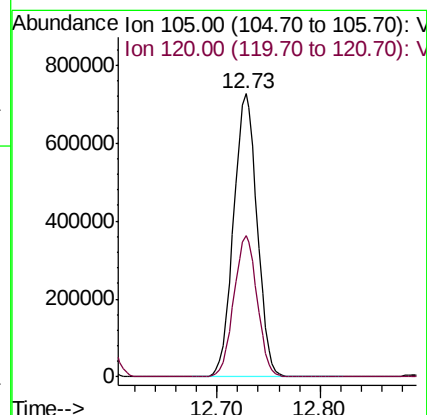
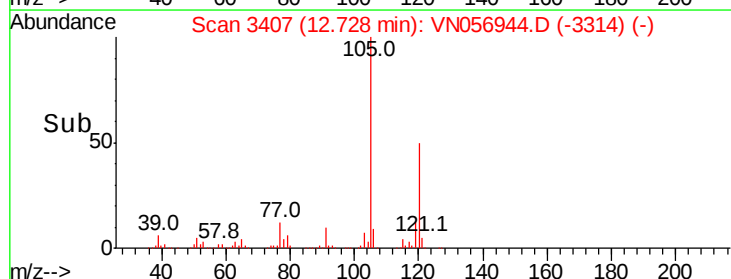
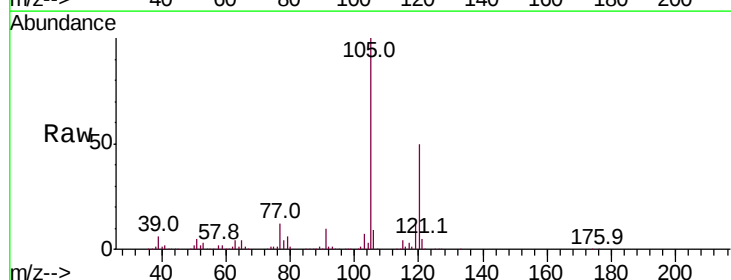
Acq: 26 Jul 2019 15:57

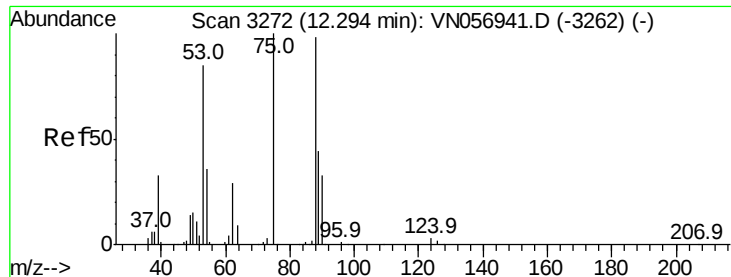
Tgt Ion: 105 Resp: 1156528

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.780 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion: 75 Resp: 113063

Ion Ratio Lower Upper

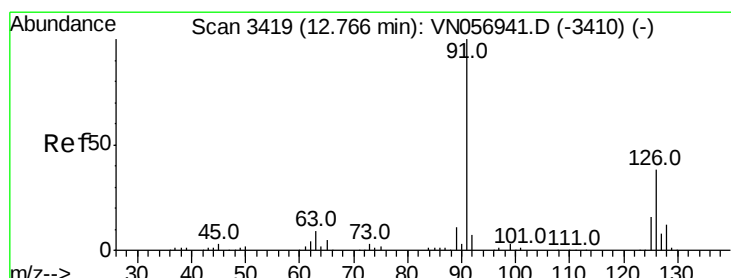
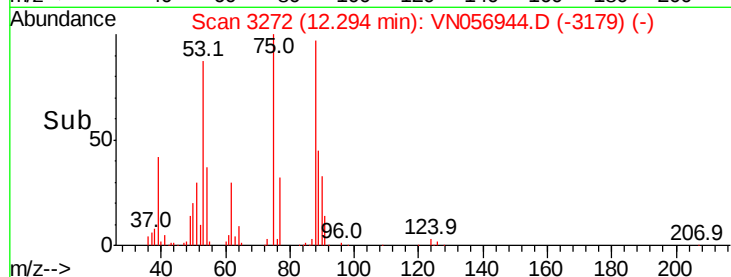
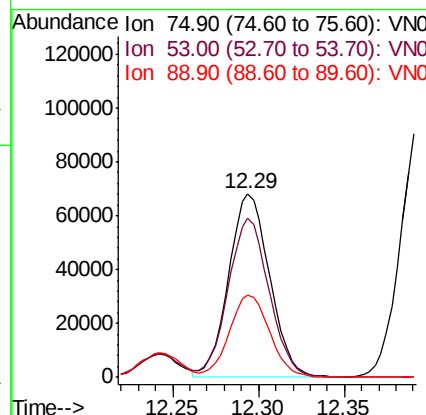
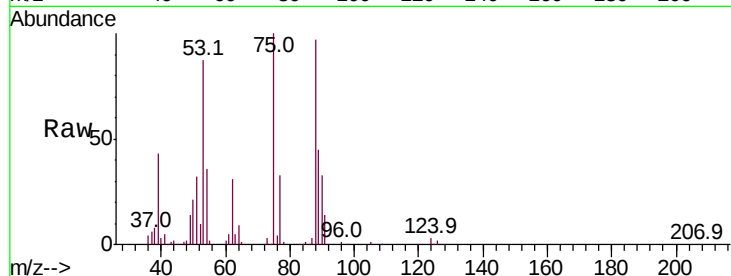
75 100

53 86.6 69.3 103.9

89 44.2 35.8 53.6

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#82

4-Chlorotoluene

Concen: 46.002 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN056944.D

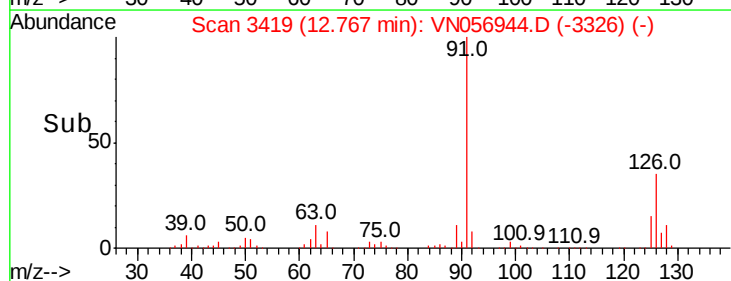
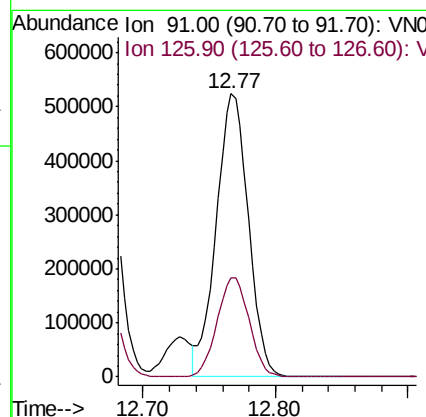
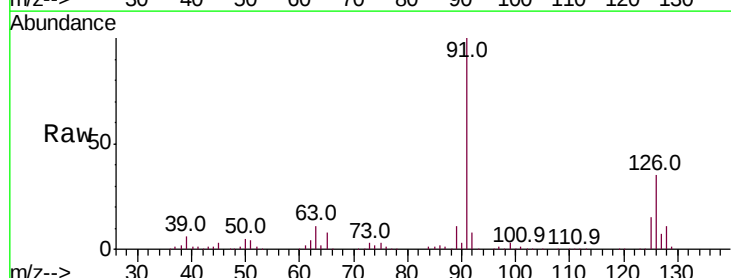
Acq: 26 Jul 2019 15:57

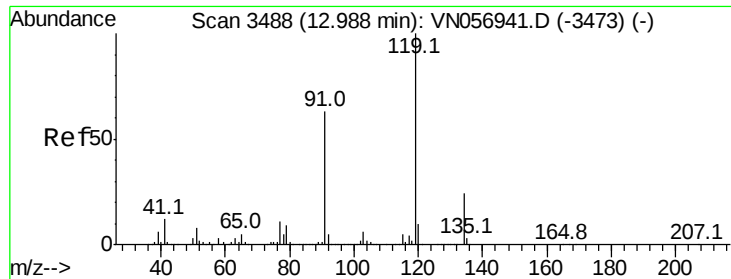
Tgt Ion: 91 Resp: 878972

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5





#83

tert-Butylbenzene

Concen: 44.322 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN072719

Tot Ion:119 Resp: 1000040

Ion Ratio Lower Upper

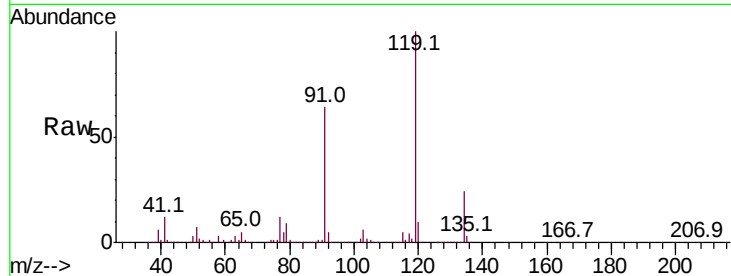
119 100

91 62.3 31.3 93.8

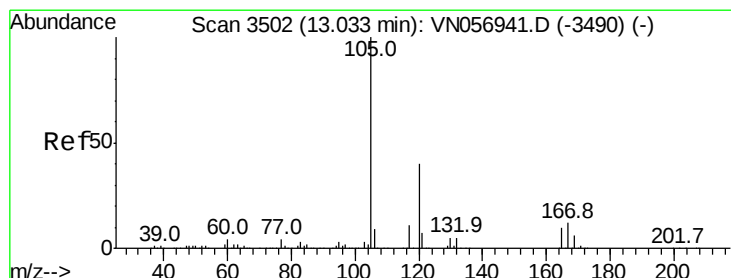
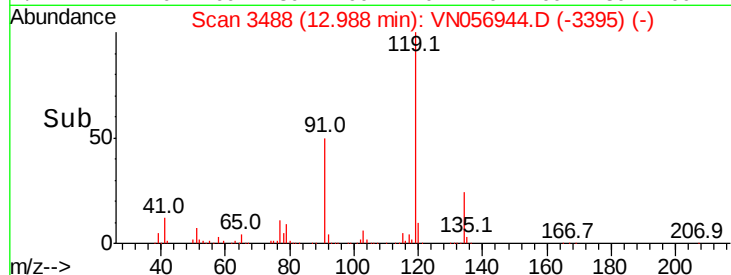
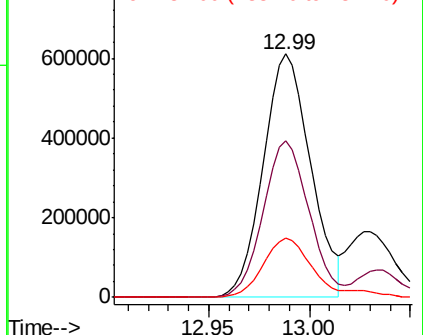
134 26.3 13.3 39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.408 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. 0.00 min

Lab File: VN056944.D

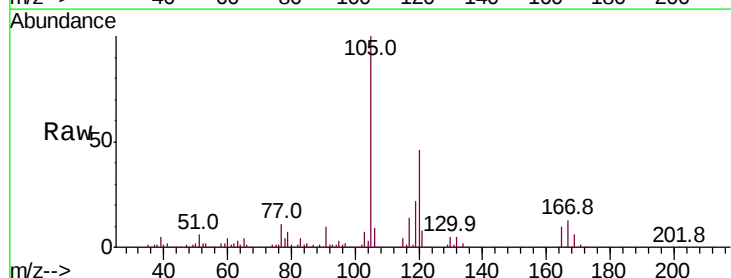
Acq: 26 Jul 2019 15:57

Tgt Ion:105 Resp: 1138145

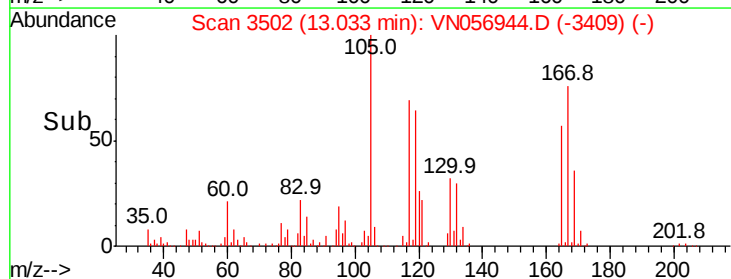
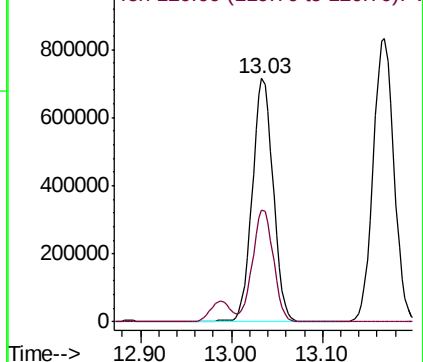
Ion Ratio Lower Upper

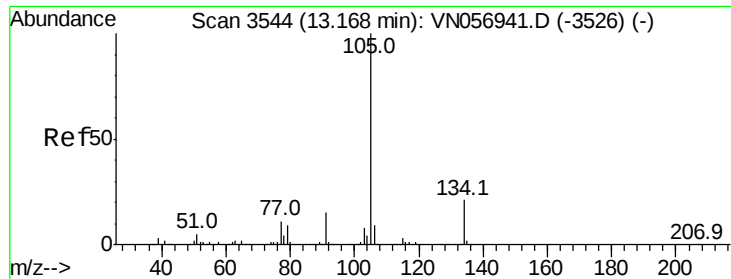
105 100

120 45.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.310 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072719

Tot Ion:105 Resp: 1318666

Ion Ratio Lower Upper

105 100

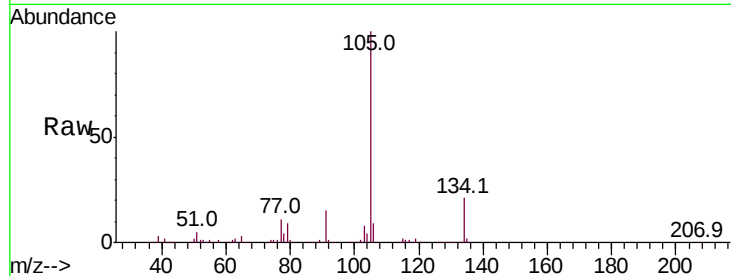
134 20.7 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

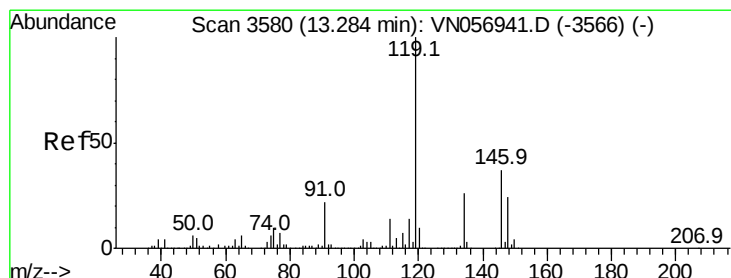
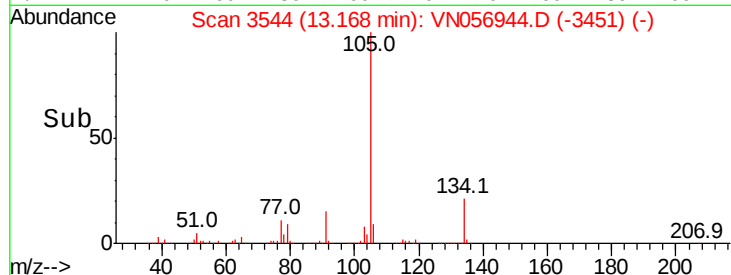
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.269 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056944.D

Acq: 26 Jul 2019 15:57

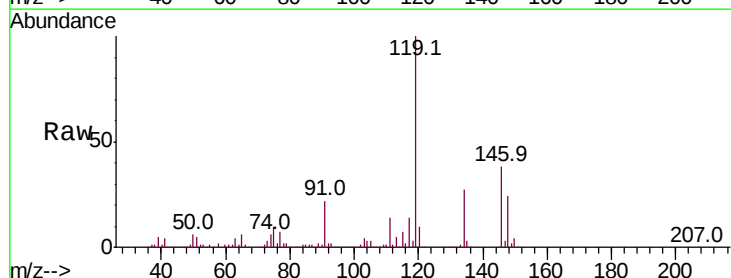
Tgt Ion:119 Resp: 1195537

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

1000000

800000

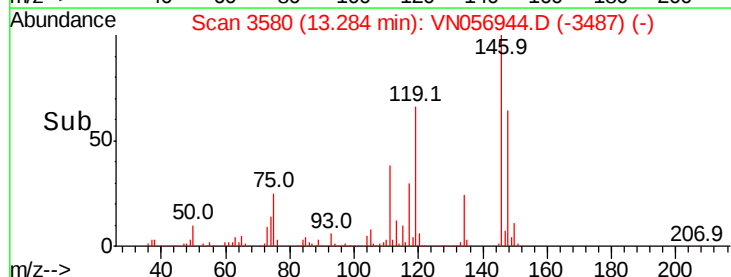
600000

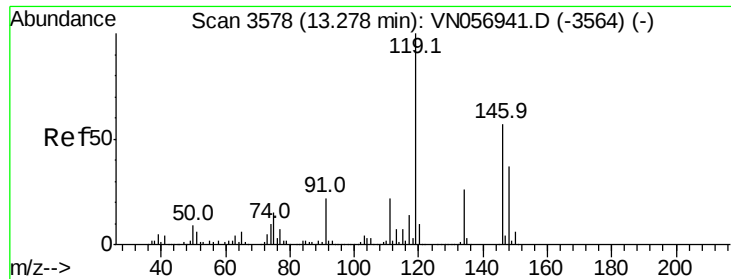
400000

200000

0

Time-->





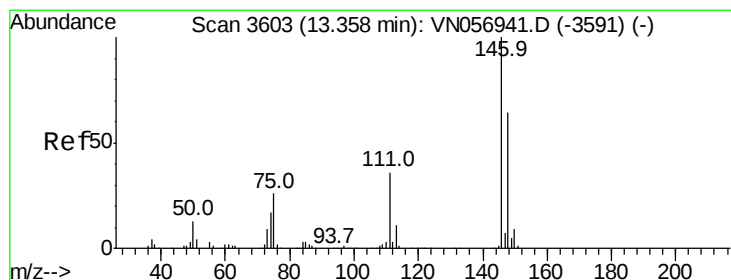
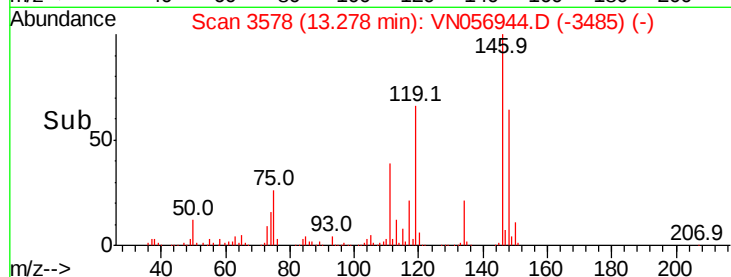
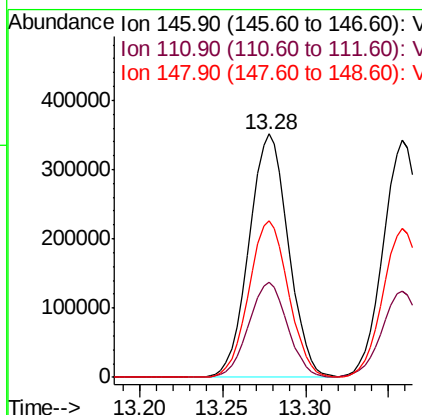
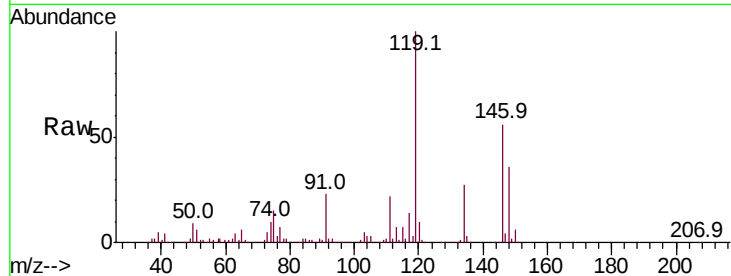
#87
 1,3-Dichlorobenzene
 Concen: 47.165 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072719

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.7	32.2	96.6

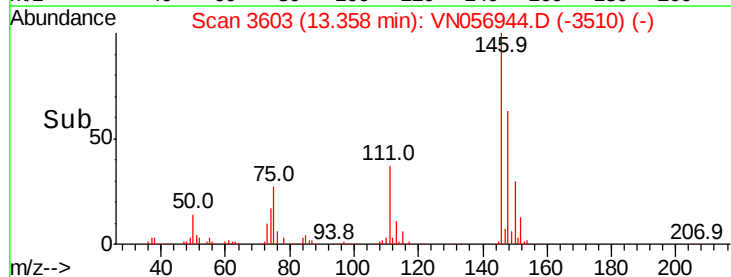
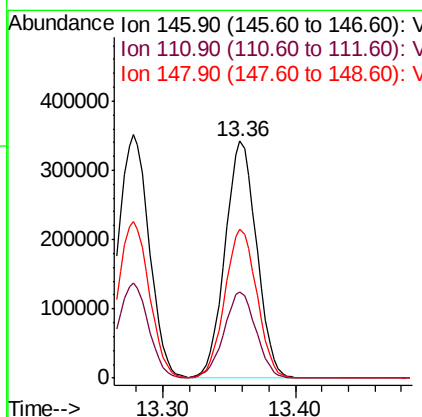
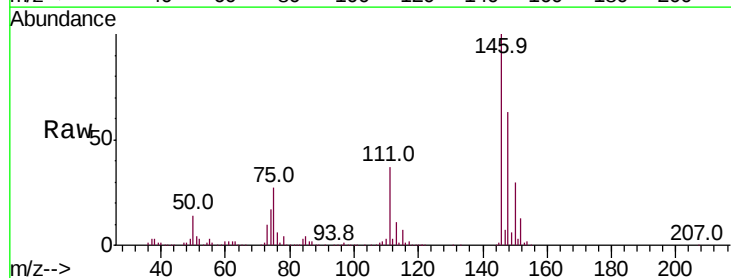
Manual Integrations
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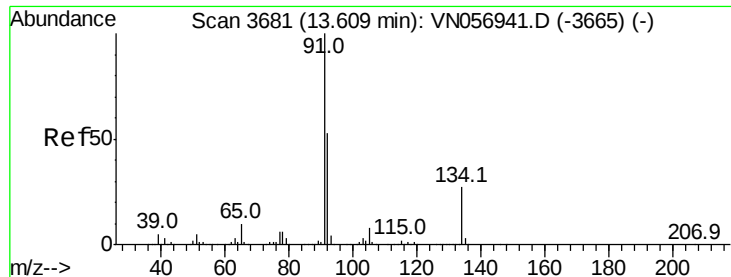
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 8/2/2019 9:13:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.446 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	64.1	32.3	96.9





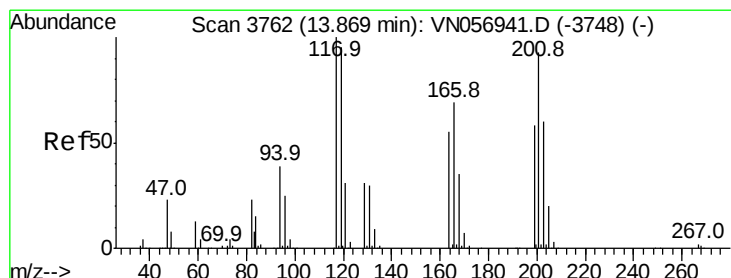
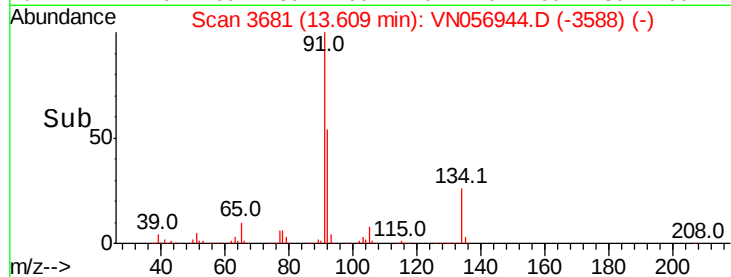
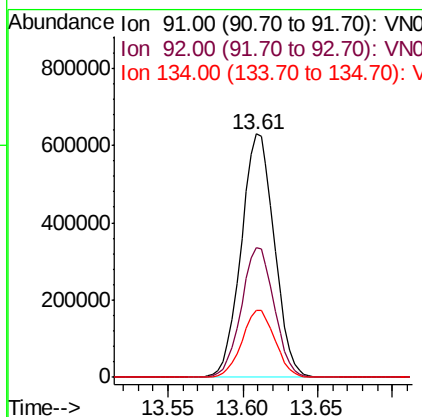
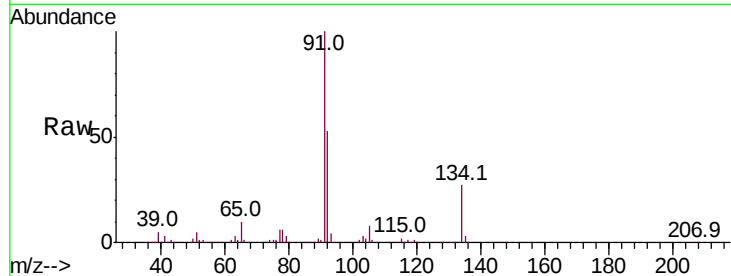
#89
n-Butylbenzene
Concen: 48.700 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	27.3	13.5	40.4

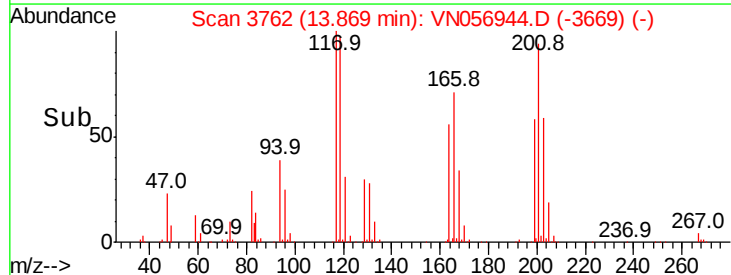
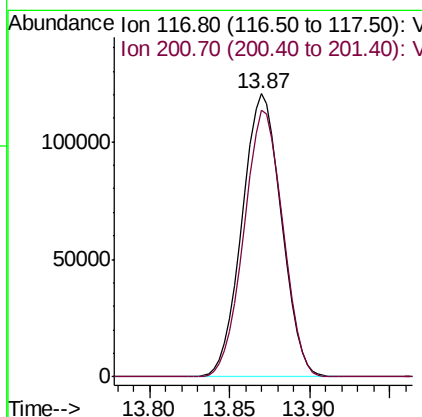
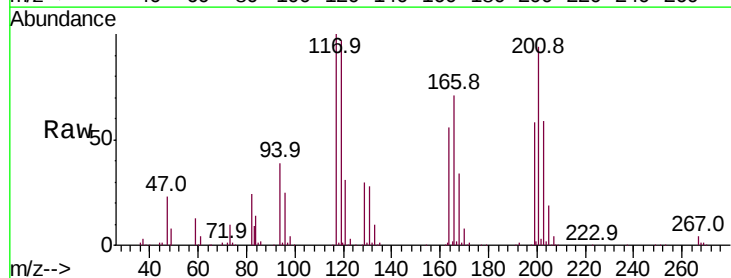
Manual Integrations
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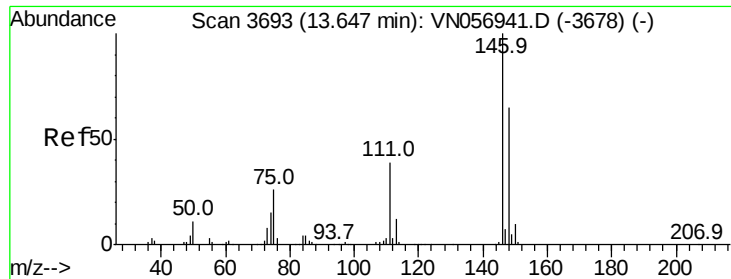
MMDadoda
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#90
Hexachloroethane
Concen: 45.459 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	47.0	141.2





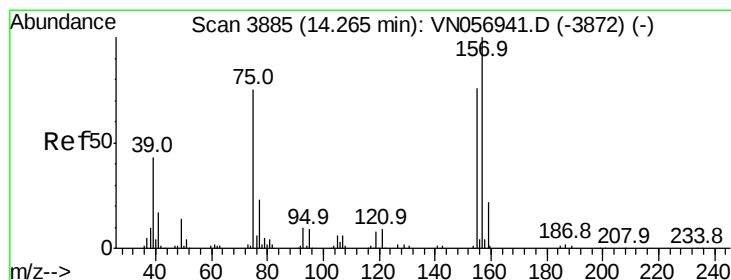
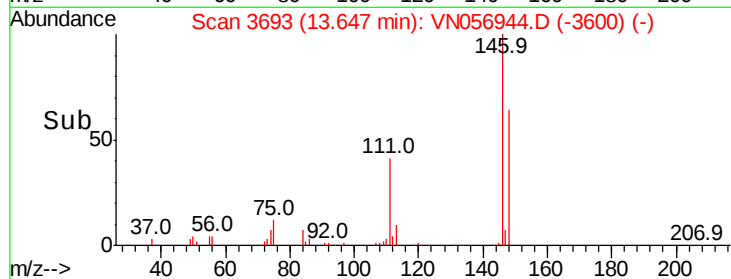
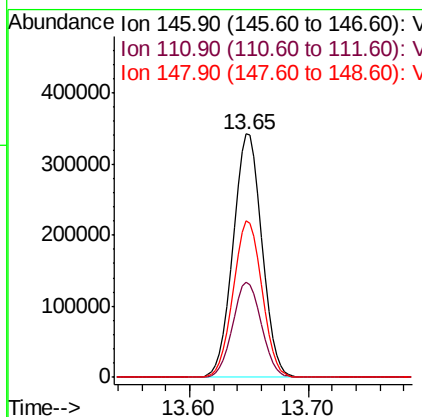
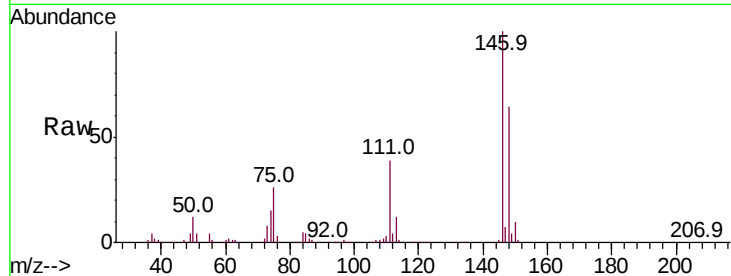
#91
 1,2-Dichlorobenzene
 Concen: 47.298 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072719

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.4
148	64.4	32.2	96.6

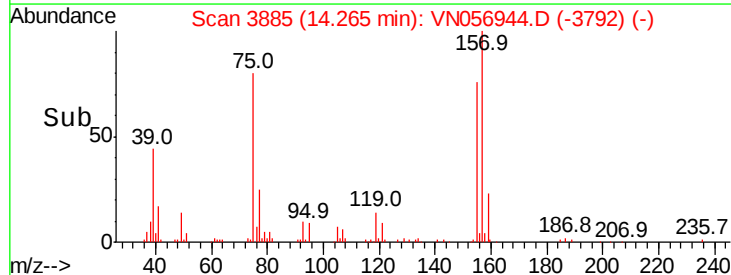
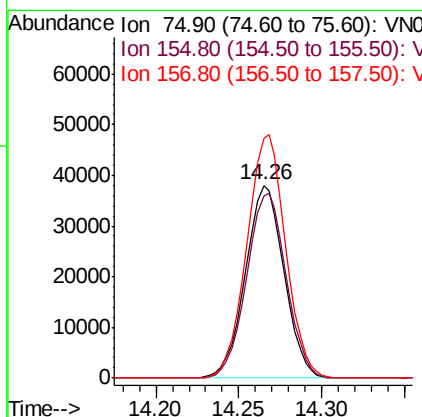
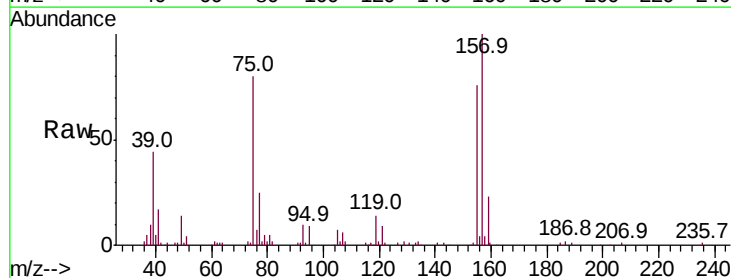
Manual Integrations
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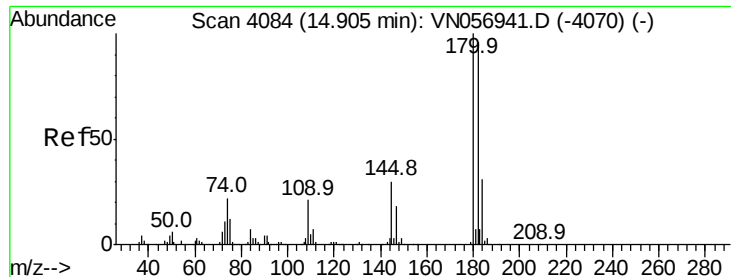
MMDadoda
 8/2/2019 9:13:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.967 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	50.2	150.6
157	126.9	65.1	195.4





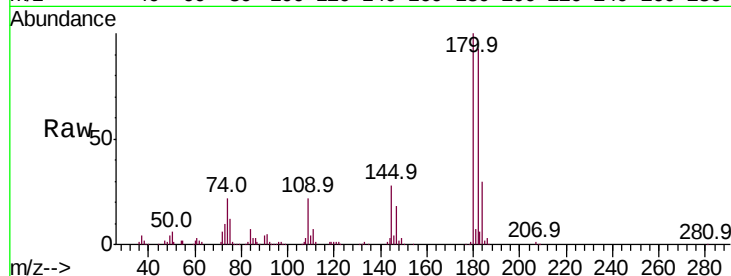
#93
 1,2,4-Trichlorobenzene
 Concen: 48.752 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN072719

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.6	142.8	
145	28.2	14.2	42.8	

Manual Integrations
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 8/2/2019 9:13:31 AM

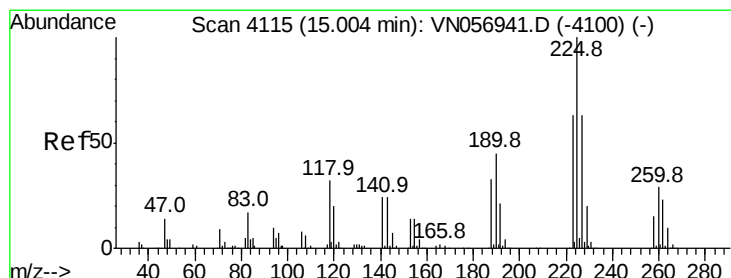
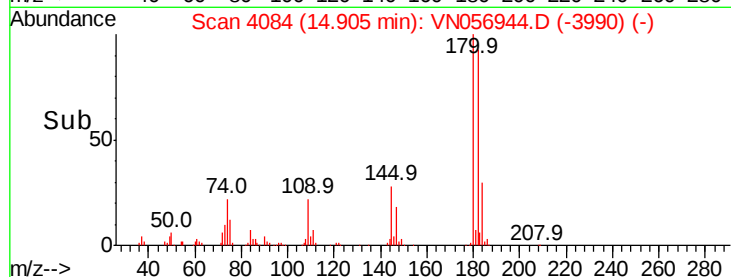
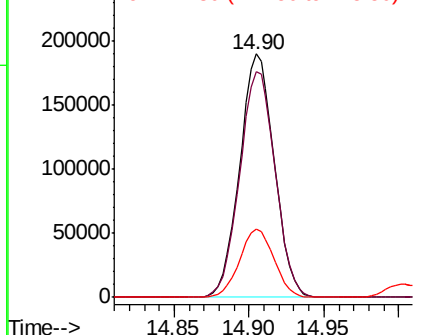


Abundance

Ion 179.80 (179.50 to 180.50): V

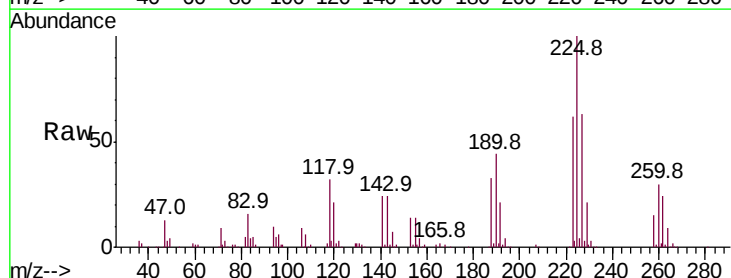
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.328 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056944.D
 Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.8	92.4	
227	63.8	31.1	93.5	

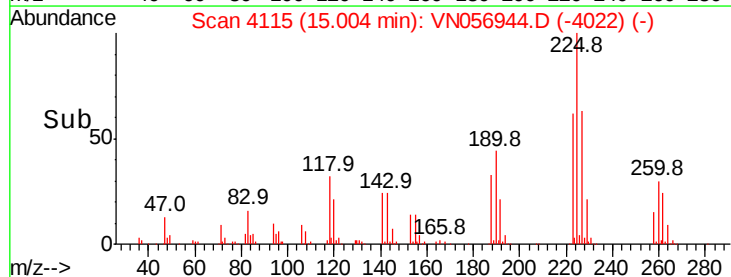
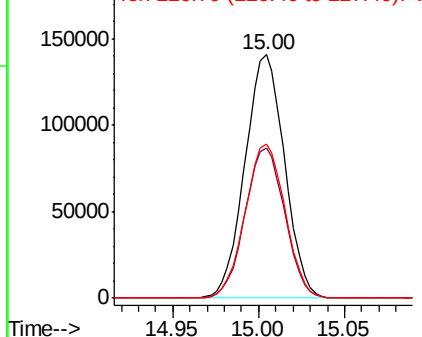


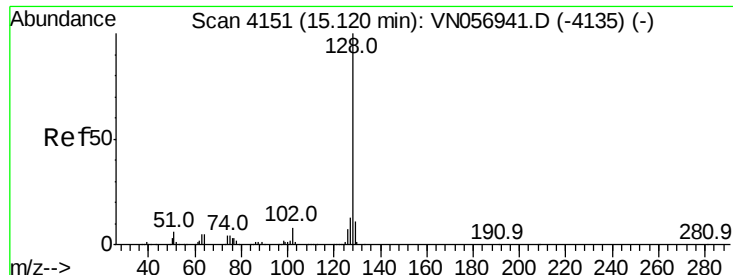
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





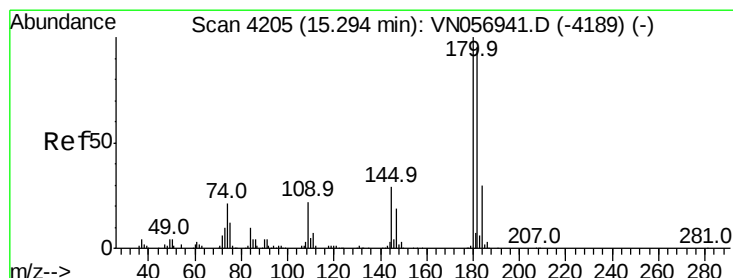
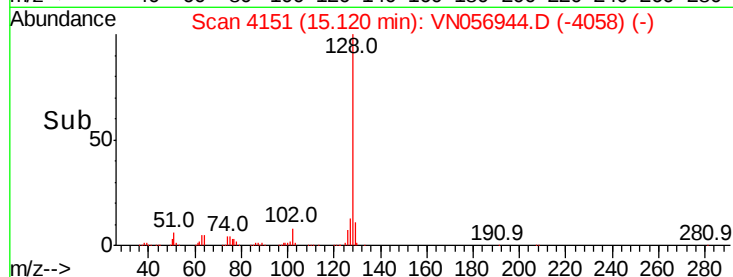
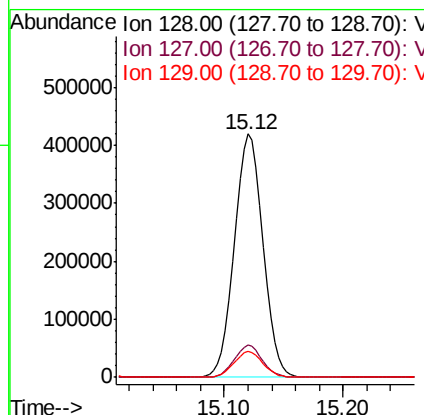
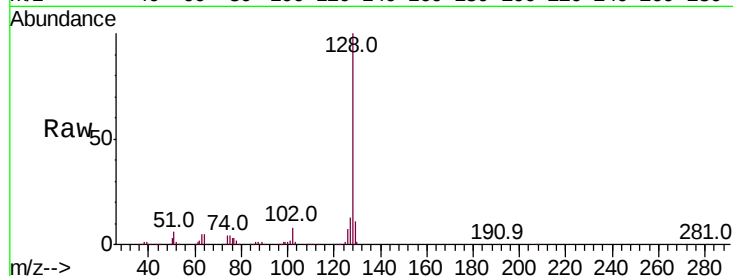
#95
Naphthalene
Concen: 45.977 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN072719

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	10.8	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 47.819 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN056944.D
Acq: 26 Jul 2019 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	29.6	15.0	45.0

