

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056953.D
 Acq On : 26 Jul 2019 20:06
 Operator : JC/SP
 Sample : VN0727WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 11:47:00 AM

Quant Time: Jul 27 01:19:38 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	567495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	864763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	758900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	290544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	293905	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.58	113	269469	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	1031040	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.40	95	322137	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	120260	20.962	ug/l	100
3) Chloromethane	2.05	50	149582	21.774	ug/l	100
4) Vinyl Chloride	2.18	62	133478	20.721	ug/l	99
5) Bromomethane	2.55	94	83540	20.861	ug/l	98
6) Chloroethane	2.69	64	73033	20.567	ug/l	97
7) Trichlorofluoromethane	3.00	101	172120	20.412	ug/l	96
8) Diethyl Ether	3.40	74	65734	20.830	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101485	19.412	ug/l	99
10) Methyl Iodide	3.94	142	121632	17.412	ug/l	100
11) Tert butyl alcohol	4.77	59	82522	105.096	ug/l	99
12) 1,1-Dichloroethene	3.72	96	101231	20.294	ug/l	99
13) Acrolein	3.60	56	31864	77.376	ug/l	94
14) Allyl chloride	4.31	41	163790	20.186	ug/l	100
15) Acrylonitrile	4.97	53	247623	107.538	ug/l	99
16) Acetone	3.80	43	184262	87.556	ug/l	99
17) Carbon Disulfide	4.04	76	258530	19.504	ug/l	99
18) Methyl Acetate	4.31	43	134628	20.053	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	310819	20.897	ug/l	100
20) Methylene Chloride	4.53	84	119216	19.666	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	110020	20.767	ug/l	98
22) Diisopropyl ether	5.93	45	353691	21.156	ug/l	97
23) Vinyl Acetate	5.88	43	1215285	104.915	ug/l	100
24) 1,1-Dichloroethane	5.83	63	200587	20.335	ug/l	99
25) 2-Butanone	6.82	43	302874	101.492	ug/l	97
26) 2,2-Dichloropropane	6.81	77	134621	17.949	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	128281	20.473	ug/l	99
28) Bromochloromethane	7.18	49	100636	21.705	ug/l	99
29) Tetrahydrofuran	7.20	42	206308	105.960	ug/l	99
30) Chloroform	7.36	83	203037	20.132	ug/l	99
31) Cyclohexane	7.64	56	185467	19.430	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	166647	20.709	ug/l	98
36) 1,1-Dichloropropene	7.78	75	148466	19.511	ug/l	100
37) Ethyl Acetate	6.91	43	129365	21.227	ug/l	99
38) Carbon Tetrachloride	7.76	117	140691	19.547	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	179475	18.454	ug/l	99
40) Benzene	8.03	78	470505	20.075	ug/l	99
41) Methacrylonitrile	7.16	41	57576	20.436	ug/l	92
42) 1,2-Dichloroethane	8.11	62	146771	19.981	ug/l	99
43) Isopropyl Acetate	8.15	43	203960	20.248	ug/l	98
44) Trichloroethene	8.82	130	126400	19.576	ug/l	97
45) 1,2-Dichloropropane	9.11	63	126642	20.202	ug/l	100
46) Dibromomethane	9.20	93	77075	20.387	ug/l	100
47) Bromodichloromethane	9.39	83	149639	20.132	ug/l	98
48) Methyl methacrylate	9.19	41	100036	20.570	ug/l	99
49) 1,4-Dioxane	9.19	88	42545	424.515	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	620354	103.652	ug/l	100
52) Toluene	10.15	92	287097	20.389	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	150575	19.521	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	176719	19.705	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	113826	20.157	ug/l	99
56) Ethyl methacrylate	10.42	69	157116	19.535	ug/l	100
57) 1,3-Dichloropropane	10.70	76	186149	19.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	328521	97.082	ug/l	100
59) 2-Hexanone	10.74	43	421069	92.944	ug/l	100
60) Dibromochloromethane	10.89	129	116852	20.198	ug/l	99
61) 1,2-Dibromoethane	11.00	107	113810	20.652	ug/l	100
64) Tetrachloroethene	10.62	164	124403	19.022	ug/l	95
65) Chlorobenzene	11.43	112	303450	19.619	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116401	19.994	ug/l	99
67) Ethyl Benzene	11.50	91	524734	19.629	ug/l	98
68) m/p-Xylenes	11.61	106	392906	39.825	ug/l	100
69) o-Xylene	11.94	106	192138	19.906	ug/l	98
70) Styrene	11.96	104	309385	19.324	ug/l	99
71) Bromoform	12.12	173	80511	19.808	ug/l #	99
73) Isopropylbenzene	12.24	105	510693	20.338	ug/l	100
74) N-amyl acetate	12.06	43	146365	20.075	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	150231	22.253	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115555m	19.584	ug/l	
77) Bromobenzene	12.52	156	131473	20.061	ug/l	100
78) n-propylbenzene	12.59	91	542467	20.233	ug/l	99
79) 2-Chlorotoluene	12.67	91	329777	19.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	418630	20.313	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34707	18.899	ug/l	94
82) 4-Chlorotoluene	12.77	91	311488	20.162	ug/l	99
83) tert-Butylbenzene	12.99	119	365756	20.048	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	413214	20.838	ug/l	99
85) sec-Butylbenzene	13.17	105	467209	19.854	ug/l	100
86) p-Isopropyltoluene	13.28	119	416540	19.937	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	198738	19.936	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	184687	19.245	ug/l	98
89) n-Butylbenzene	13.61	91	309710	19.235	ug/l	99
90) Hexachloroethane	13.87	117	70251	19.528	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	203247	20.716	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21420	21.448	ug/l	95

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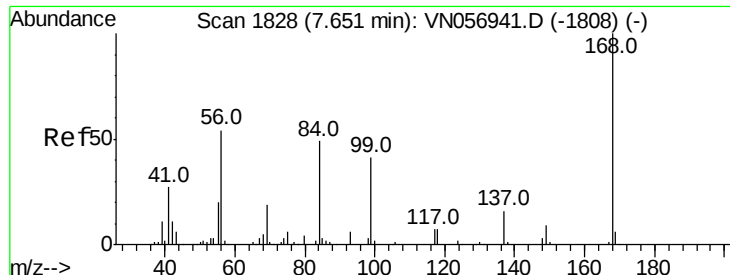
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84631	18.526	ug/l	98
94) Hexachlorobutadiene	15.00	225	74811	19.825	ug/l	99
95) Naphthalene	15.12	128	197171	18.414	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	92840	19.457	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleID :

VN0727WBSD01

Tot Ion:168 Resp: 567495

Ion Ratio Lower Upper

168 100

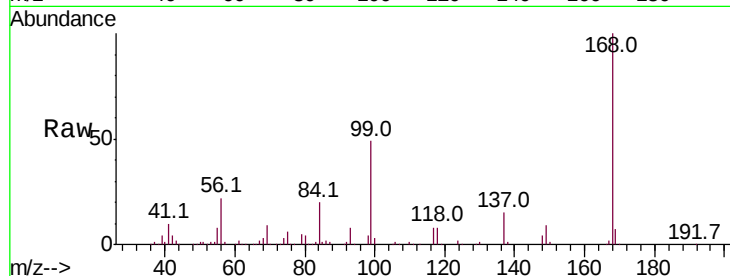
99 49.0 39.0 58.4

Manual Integrations

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7/31/2019 11:47:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

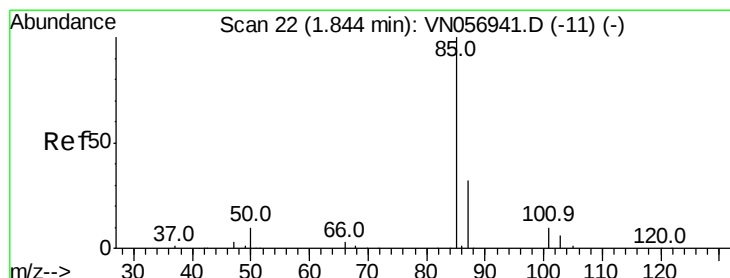
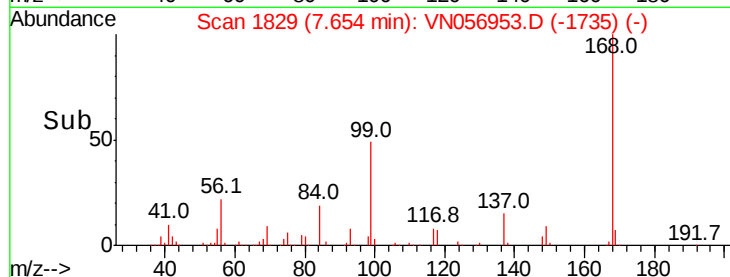
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.962 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056953.D

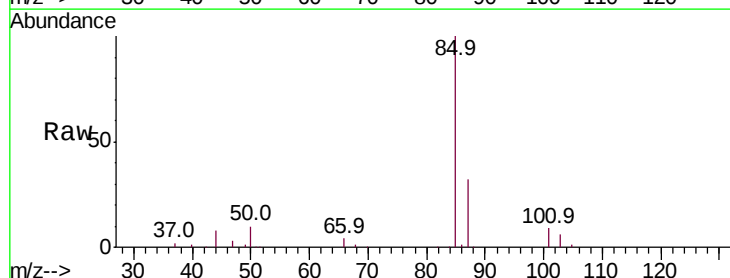
Acq: 26 Jul 2019 20:06

Tgt Ion: 85 Resp: 120260

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

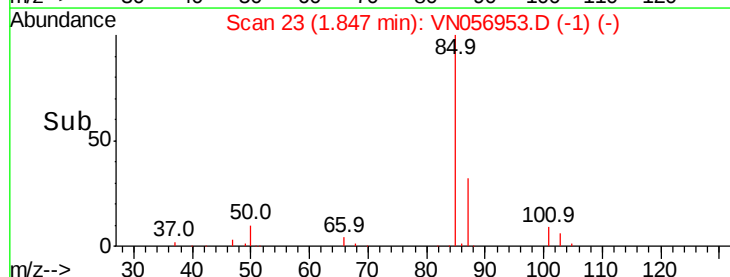
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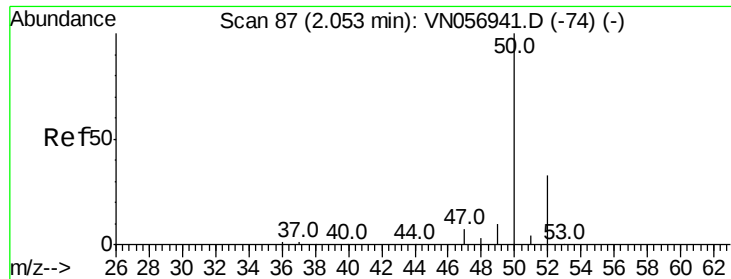
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.774 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 50 Resp: 149582

Ion Ratio Lower Upper

50 100

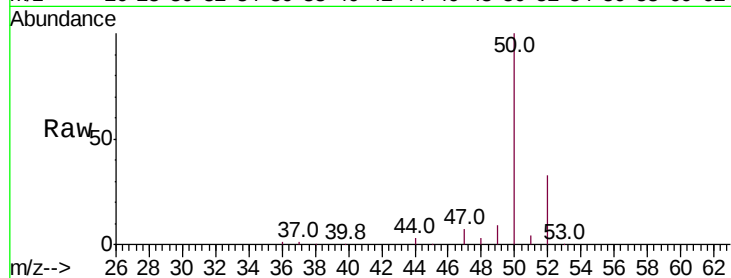
52 32.6 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.05

120000

100000

80000

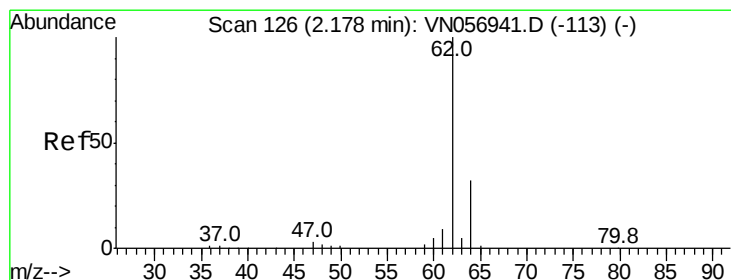
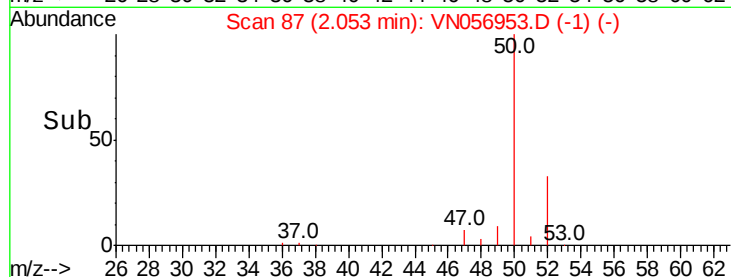
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.721 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN056953.D

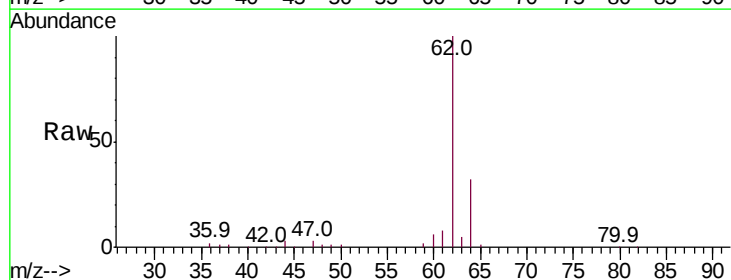
Acq: 26 Jul 2019 20:06

Tgt Ion: 62 Resp: 133478

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

100000

80000

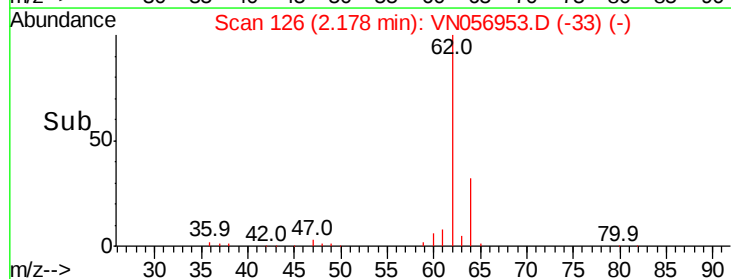
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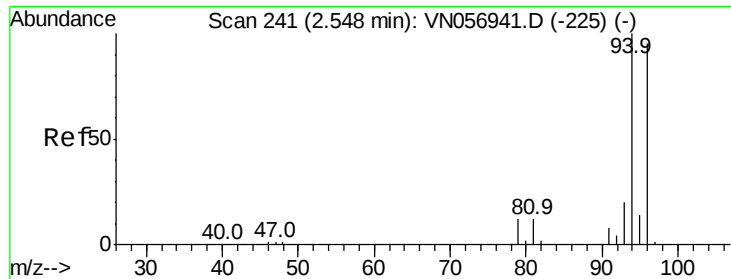
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.861 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 94 Resp: 83540

Ion Ratio Lower Upper

94 100

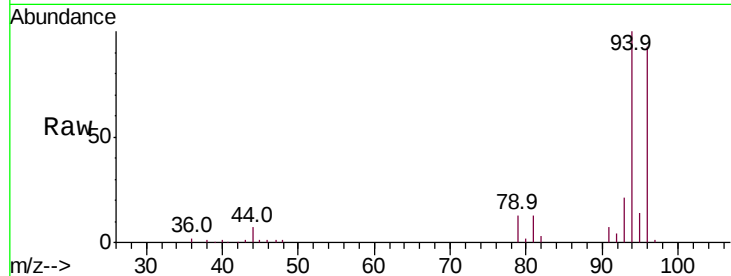
96 93.4 76.2 114.2

Manual Integrations

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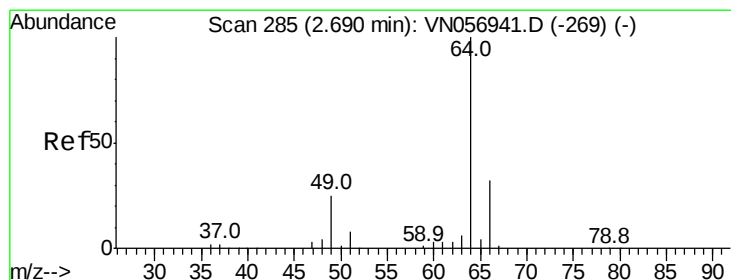
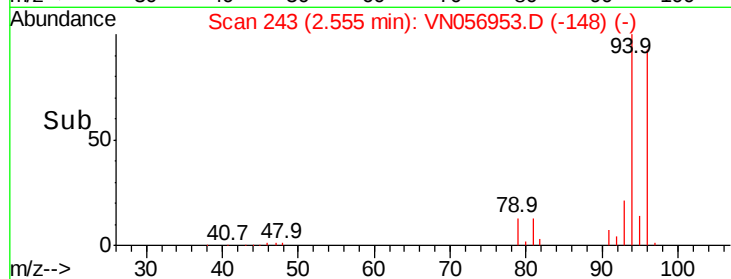
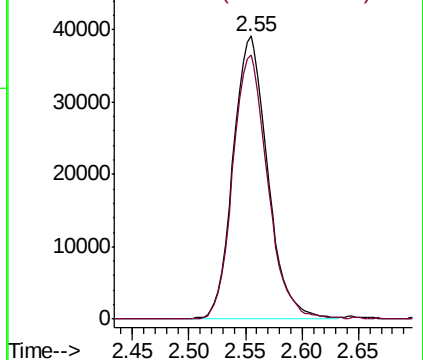
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.567 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056953.D

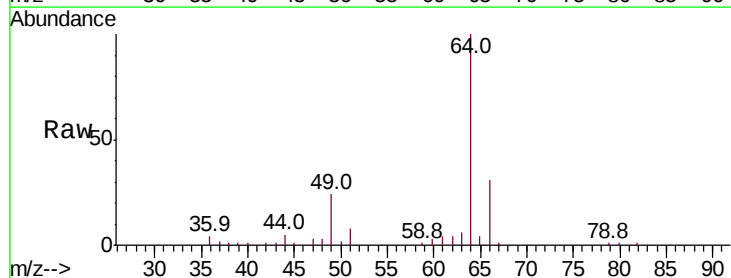
Acq: 26 Jul 2019 20:06

Tgt Ion: 64 Resp: 73033

Ion Ratio Lower Upper

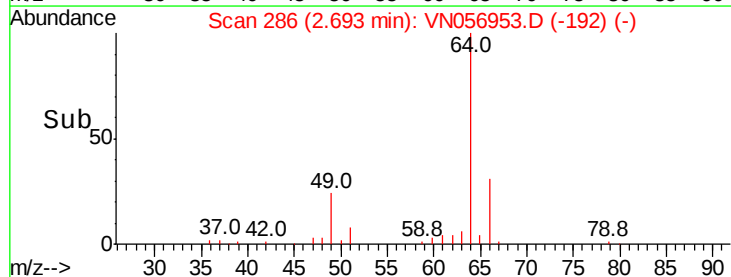
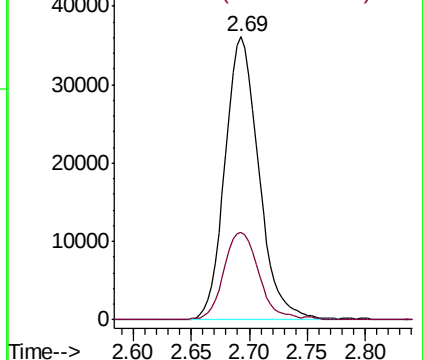
64 100

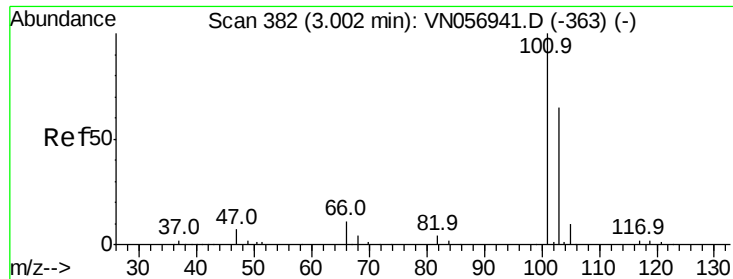
66 30.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

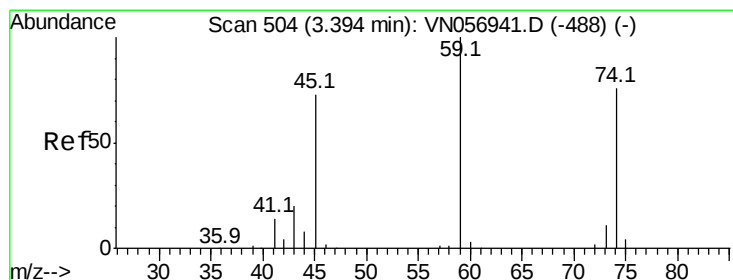
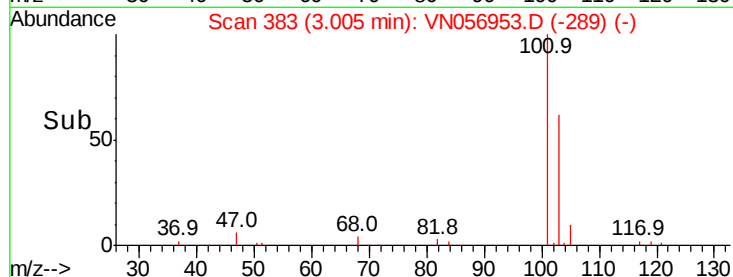
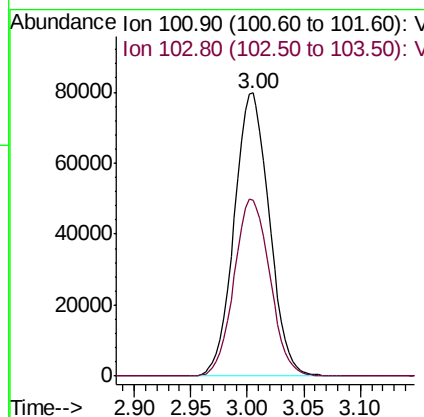
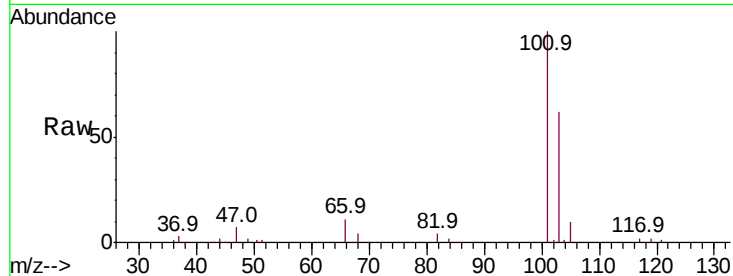
Trichlorofluoromethane
Concen: 20.412 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
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Tot Ion:101 Resp: 172120
Ion Ratio Lower Upper
101 100
103 62.3 52.1 78.1

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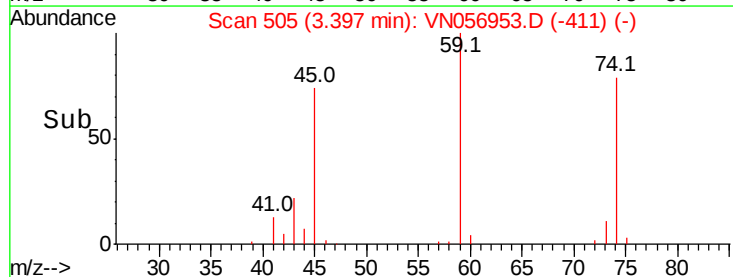
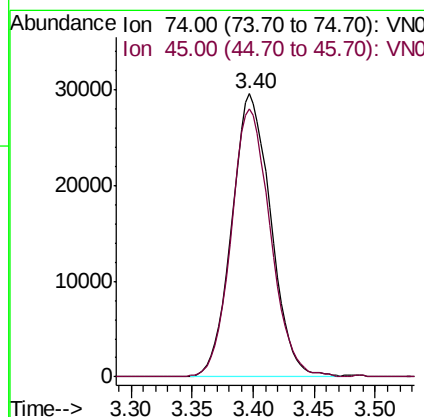
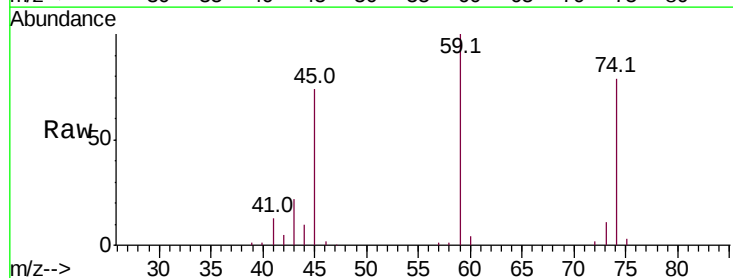
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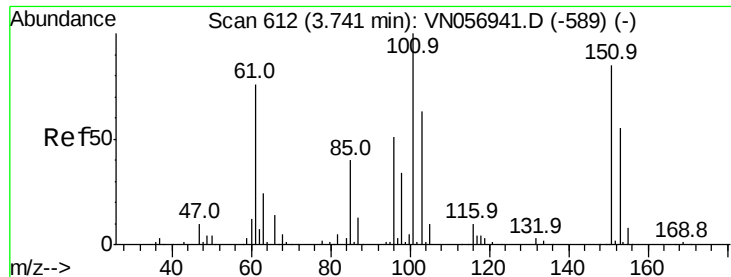


#8

Diethyl Ether
Concen: 20.830 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 74 Resp: 65734
Ion Ratio Lower Upper
74 100
45 95.1 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.412 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

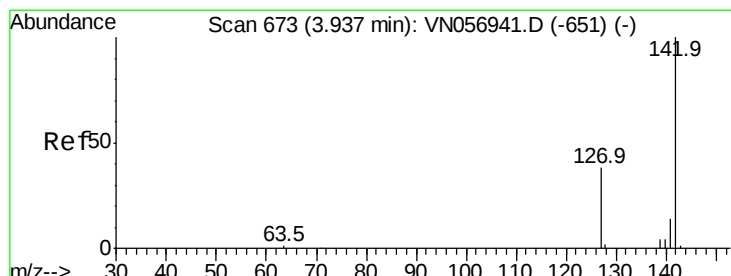
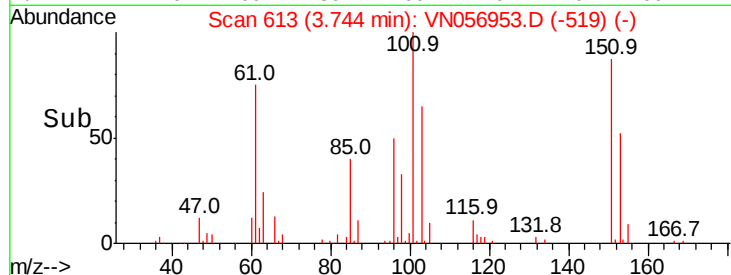
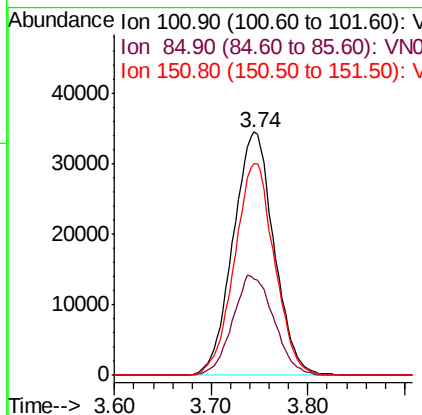
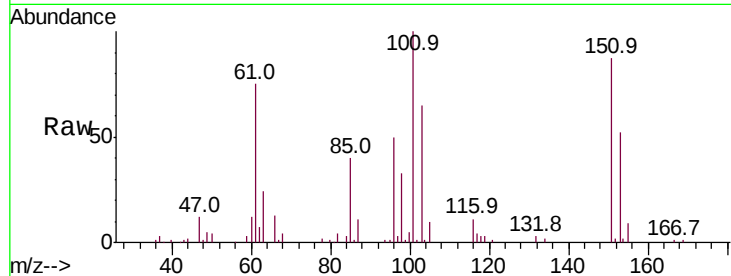
ClientSampleId :

VN0727WBSD01

Tot Ion:	101	Resp:	101485
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.3	48.5
151	85.2	68.0	102.0

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#10

Methyl Iodide

Concen: 17.412 ug/l

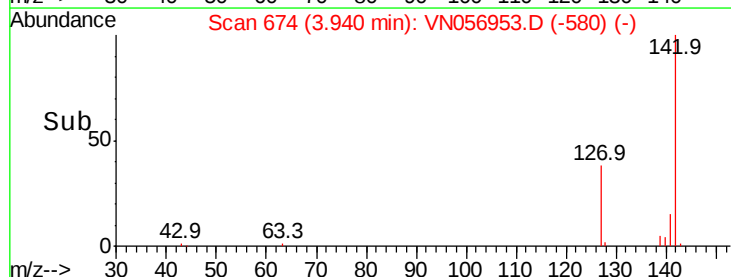
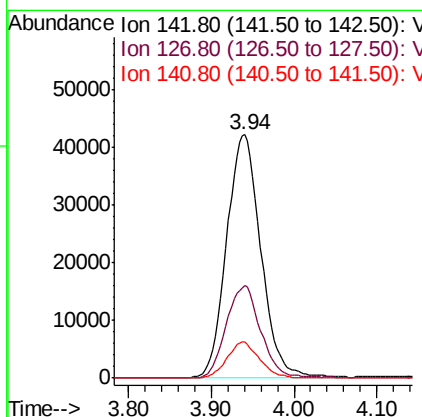
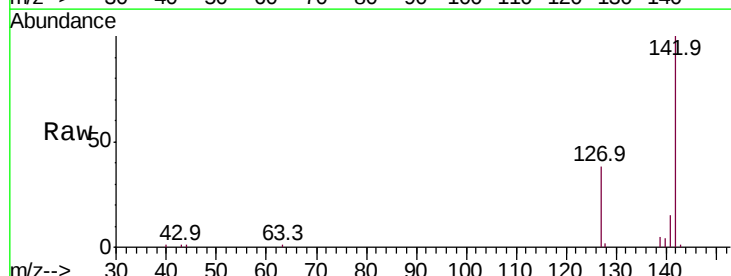
RT: 3.94 min Scan# 674

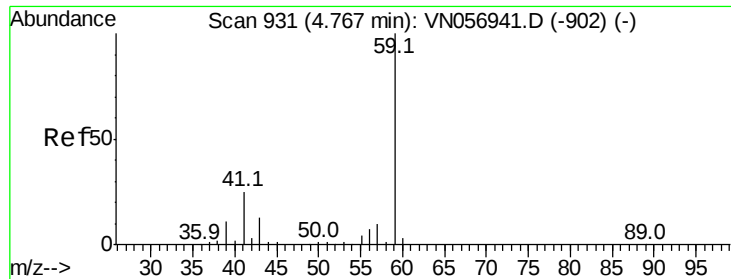
Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	142	Resp:	121632
Ion Ratio	Lower	Upper	
142	100		
127	38.1	30.4	45.6
141	14.1	11.1	16.7





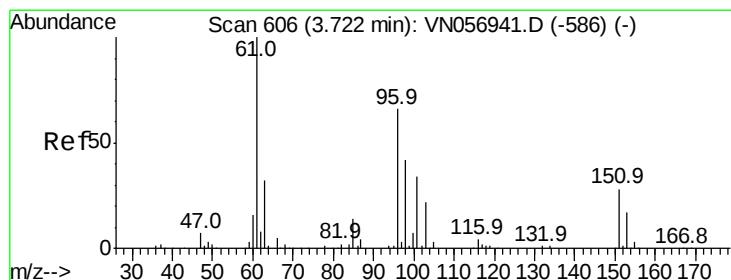
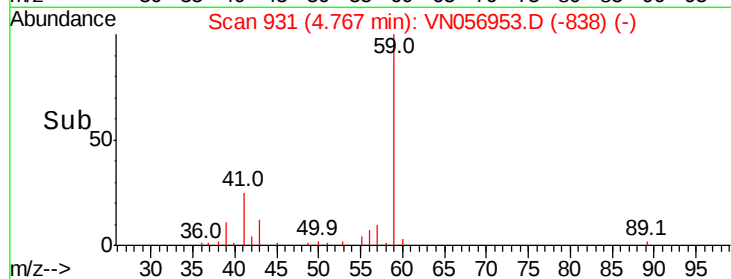
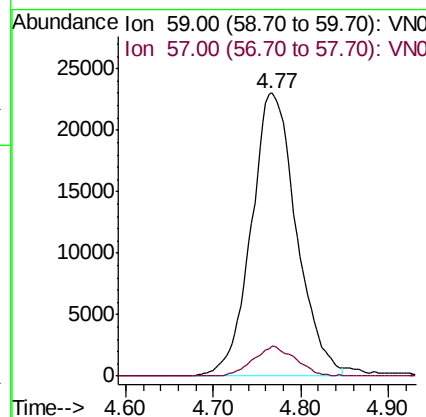
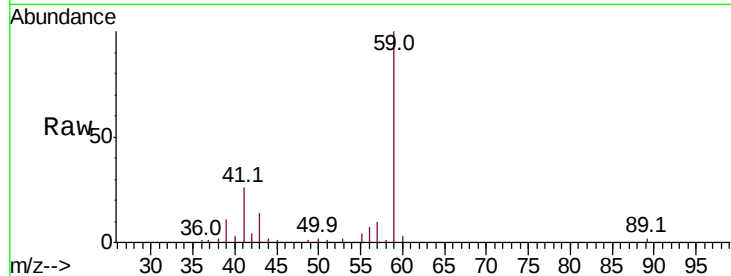
#11
Tert butyl alcohol
Concen: 105.096 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.5	11.3

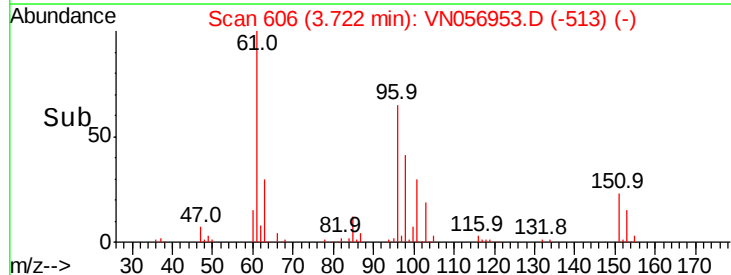
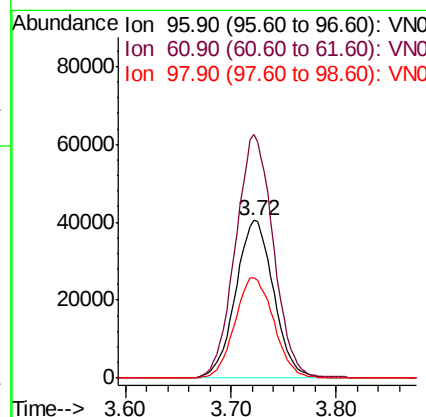
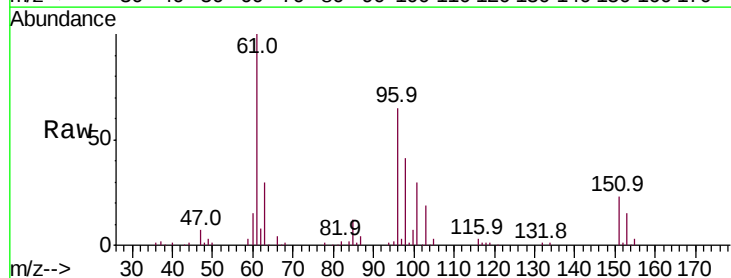
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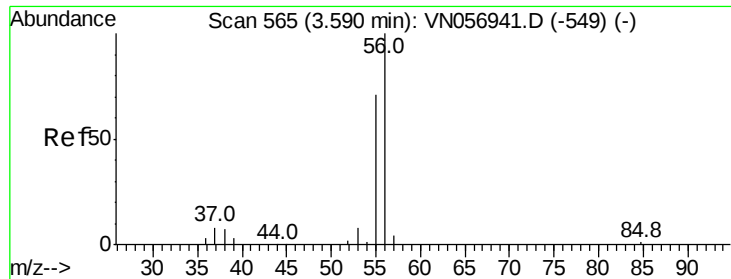
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.294 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	121.8	182.8
98	63.9	51.7	77.5





#13

Acrolein

Concen: 77.376 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.01 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 56 Resp: 31864

Ion Ratio Lower Upper

56 100

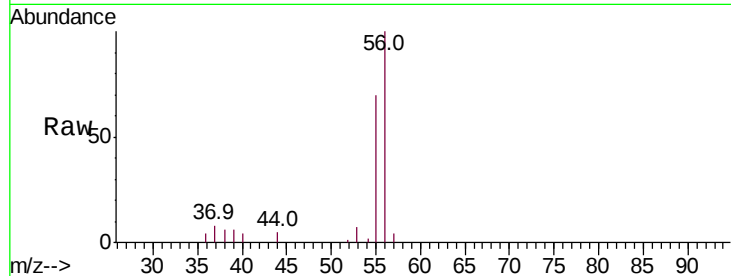
55 75.0 55.8 83.6

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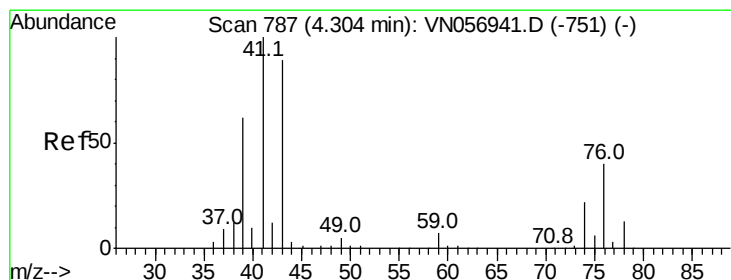
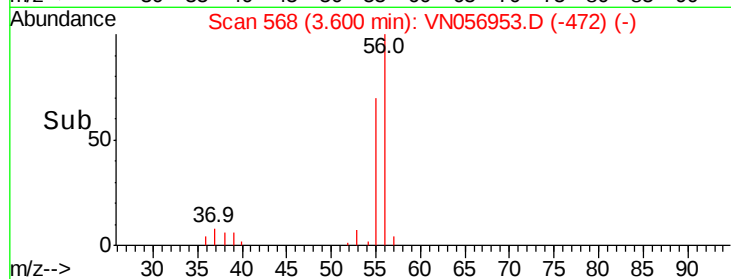
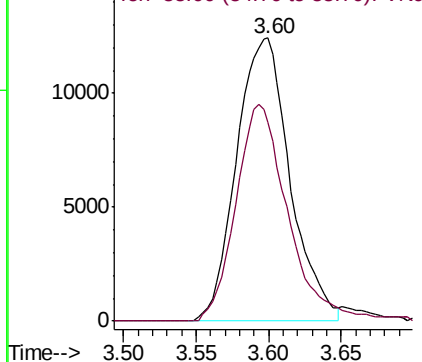
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 20.186 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

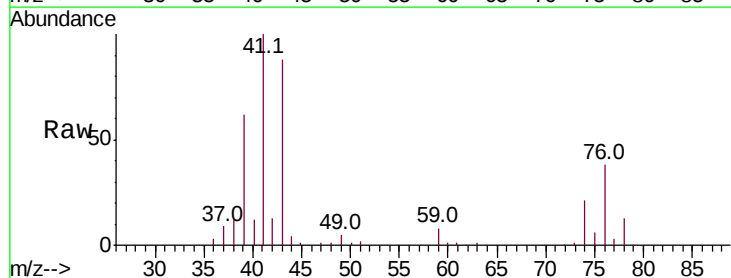
Tgt Ion: 41 Resp: 163790

Ion Ratio Lower Upper

41 100

39 58.1 46.4 69.6

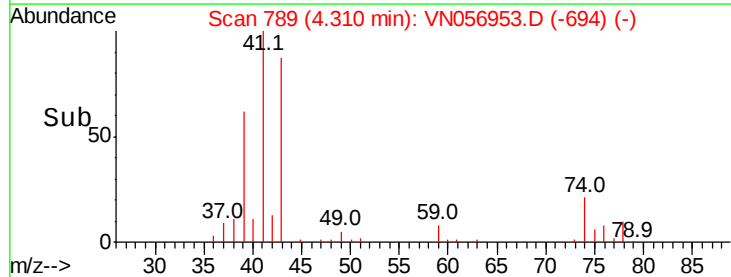
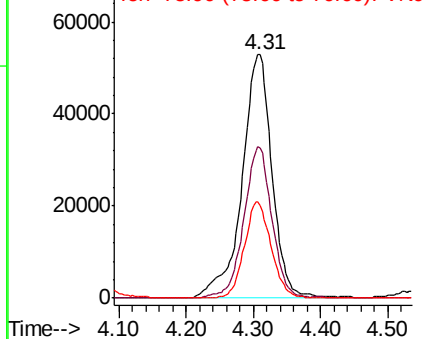
76 35.1 28.4 42.6

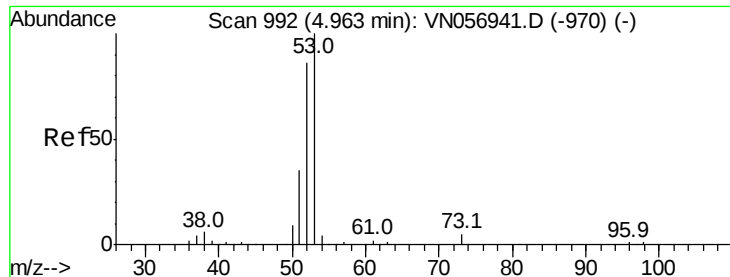


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 107.538 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

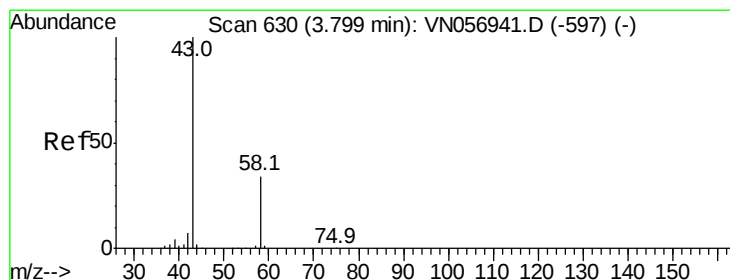
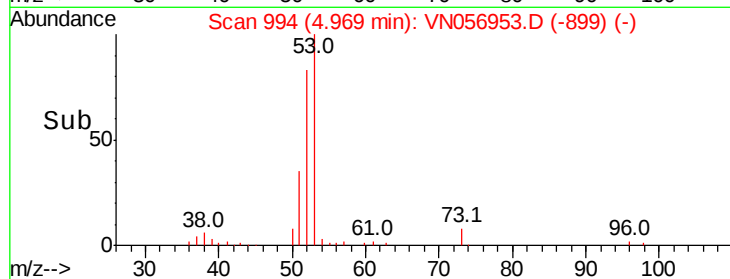
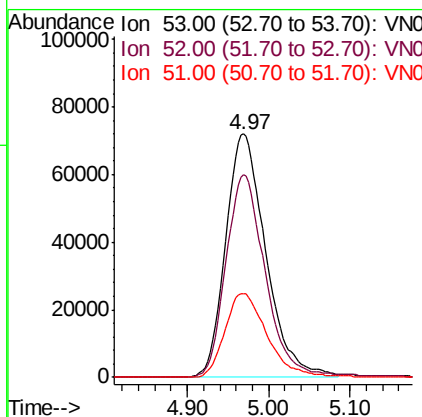
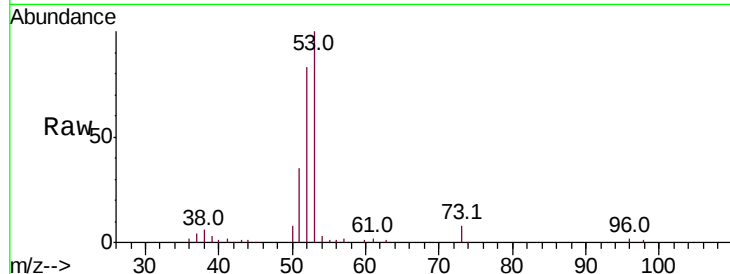
ClientSampleId :

VN0727WBSD01

Tot Ion:	53	Resp:	247623
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.5	99.7
51	36.0	28.4	42.6

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#16

Acetone

Concen: 87.556 ug/l

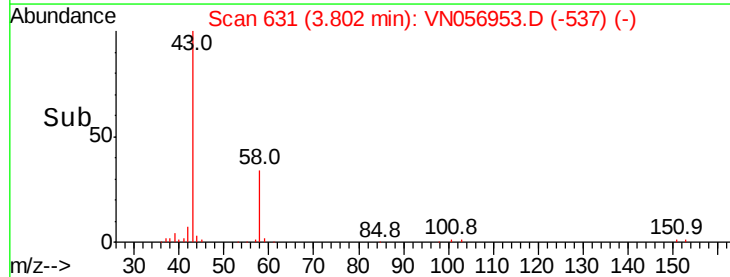
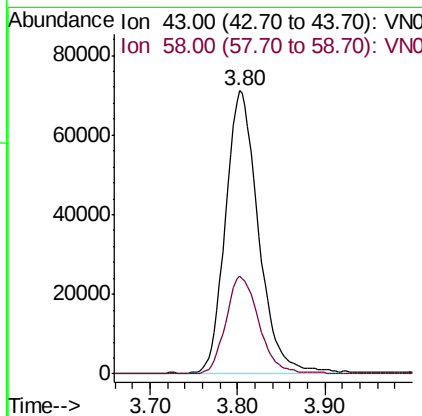
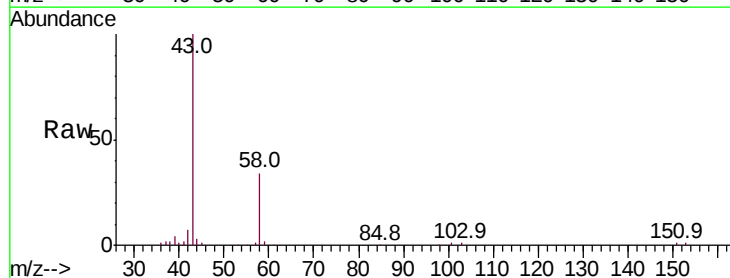
RT: 3.80 min Scan# 631

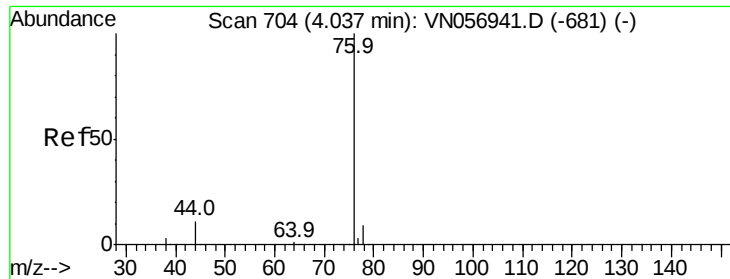
Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	43	Resp:	184262
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.2	40.8





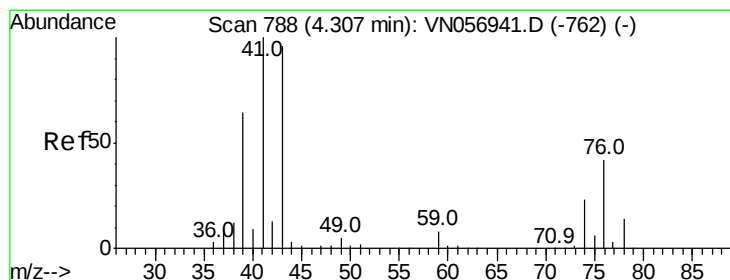
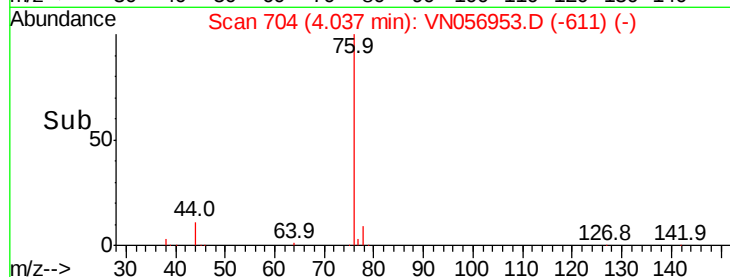
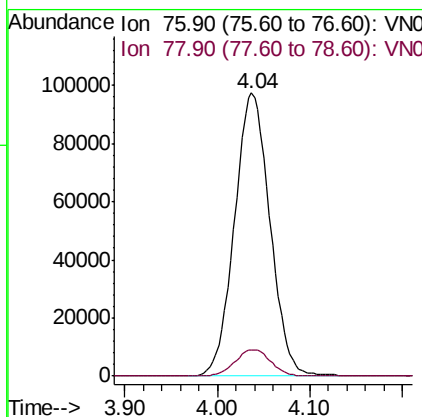
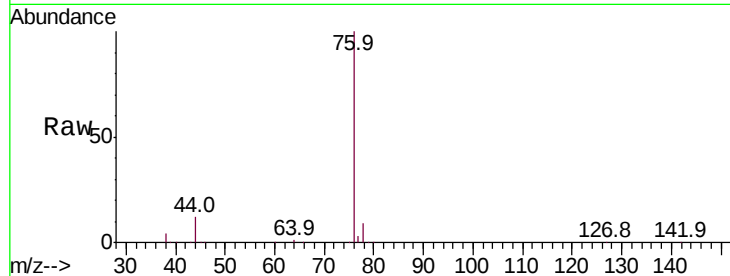
#17
Carbon Disulfide
Concen: 19.504 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 76 Resp: 258530
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

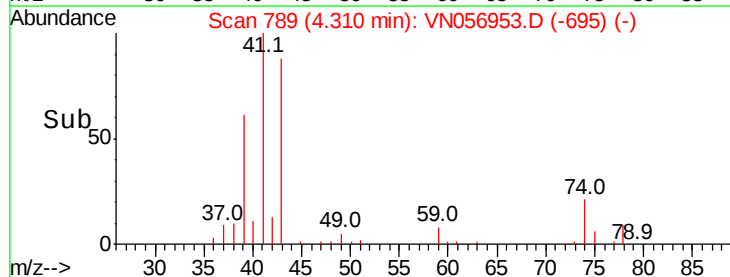
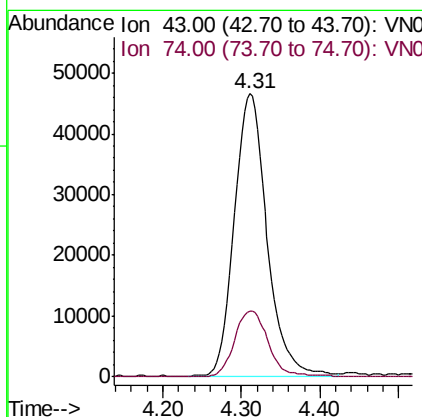
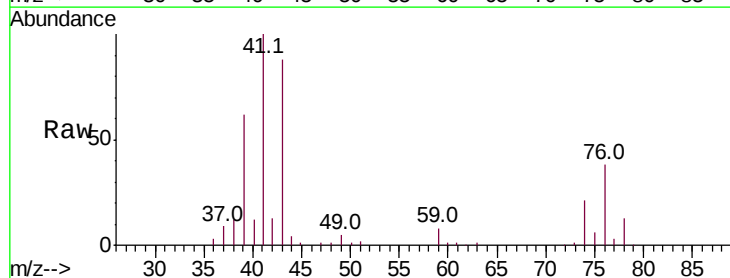
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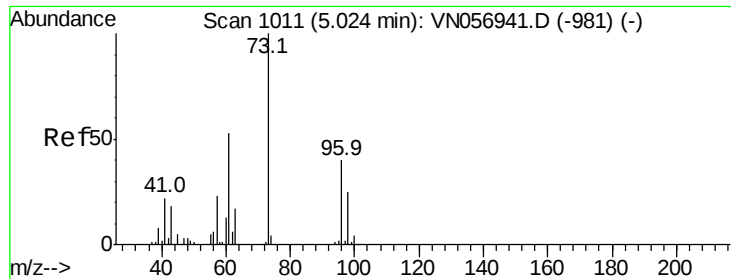
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#18
Methyl Acetate
Concen: 20.053 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 43 Resp: 134628
Ion Ratio Lower Upper
43 100
74 24.1 19.7 29.5





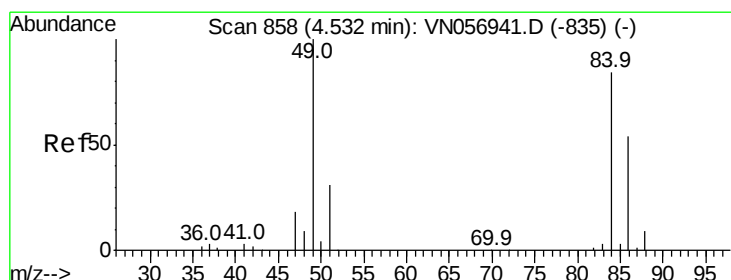
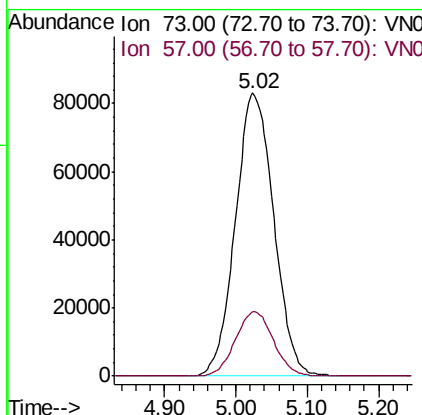
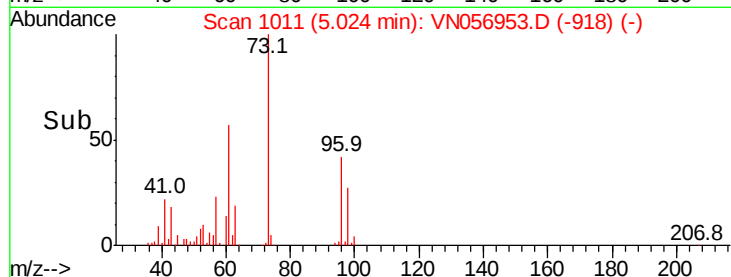
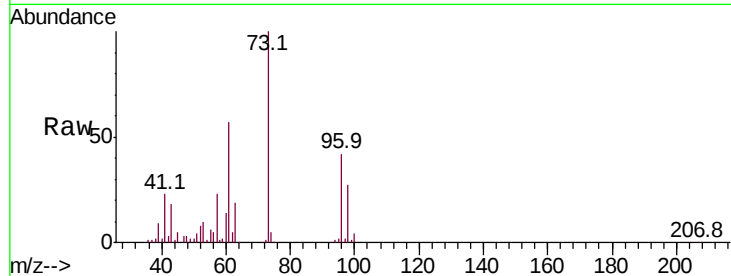
#19
Methvl tert-butvl Ether
Concen: 20.897 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 73 Resp: 310819
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

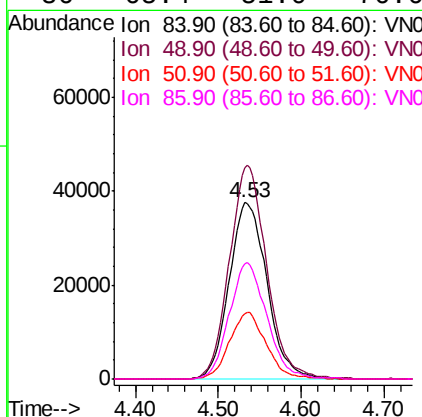
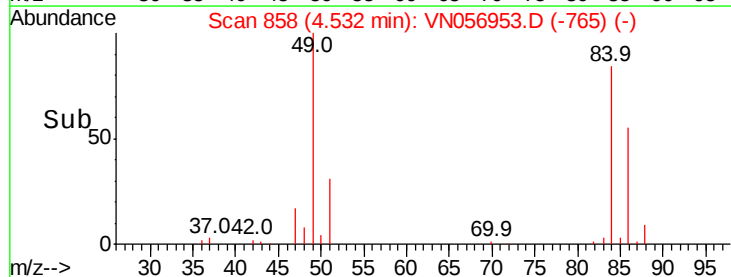
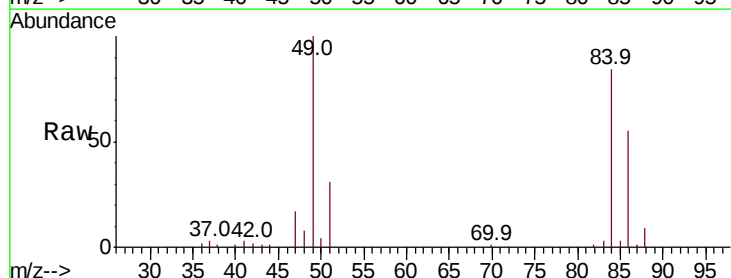
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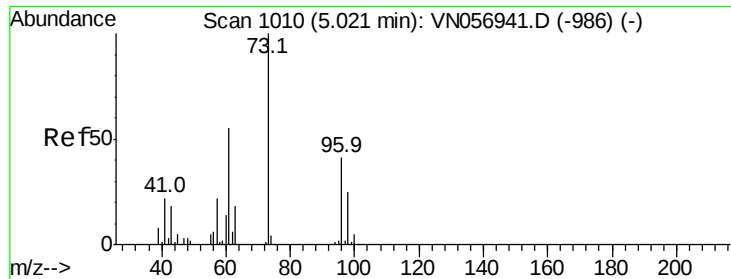
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#20
Methylene Chloride
Concen: 19.666 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 84 Resp: 119216
Ion Ratio Lower Upper
84 100
49 119.5 95.2 142.8
51 37.0 29.7 44.5
86 65.4 51.0 76.6





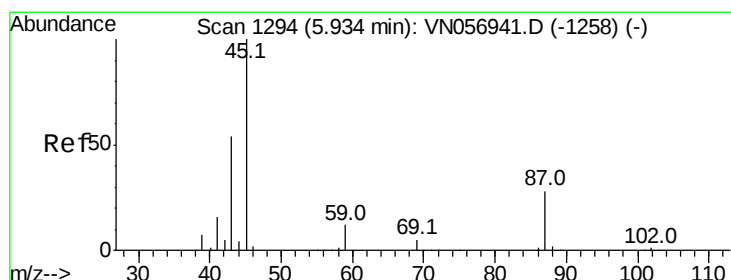
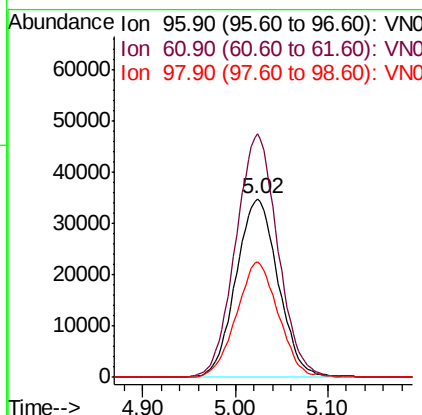
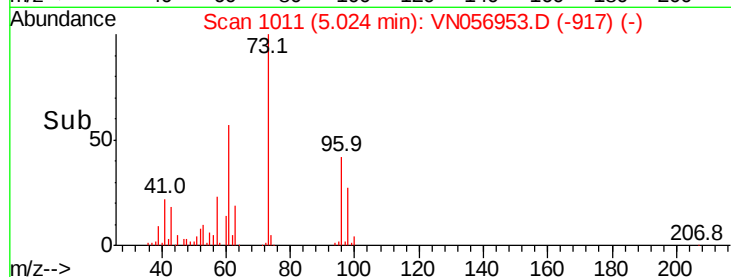
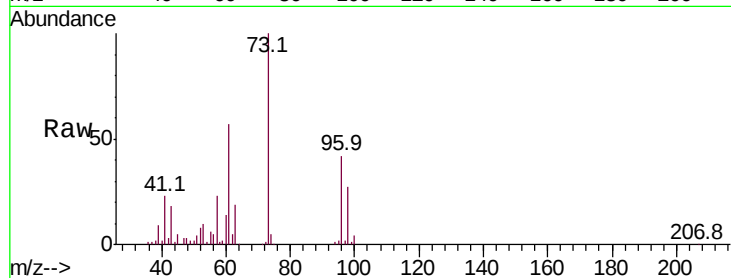
#21
trans-1,2-Dichloroethene
Concen: 20.767 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	107.5	161.3
98	64.7	49.9	74.9

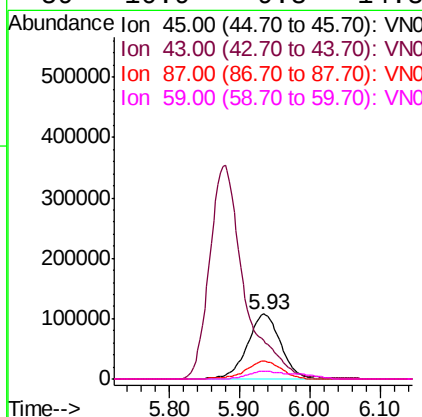
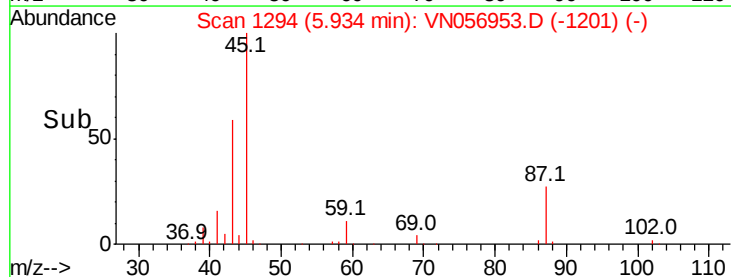
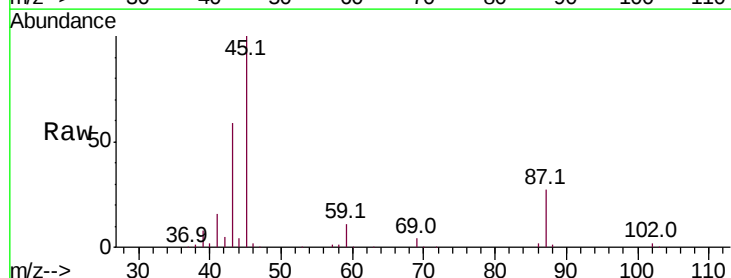
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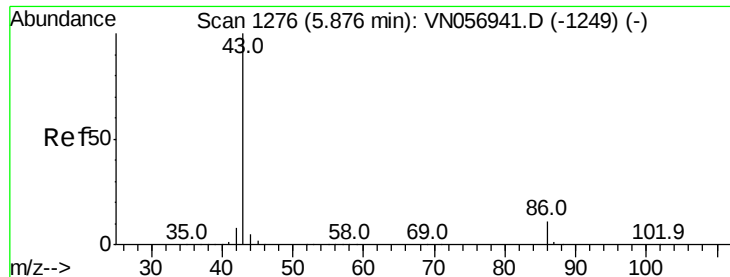
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#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.7	67.1
87	27.2	23.0	34.6
59	10.9	9.8	14.8





#23

Vinyl Acetate

Concen: 104.915 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 43 Resp: 1215285

Ion Ratio Lower Upper

43 100

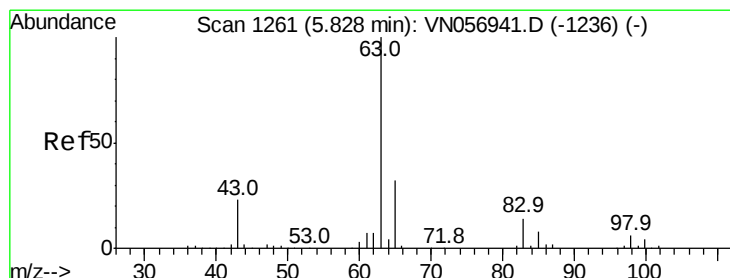
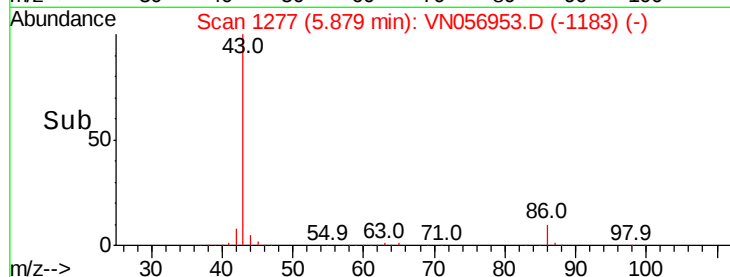
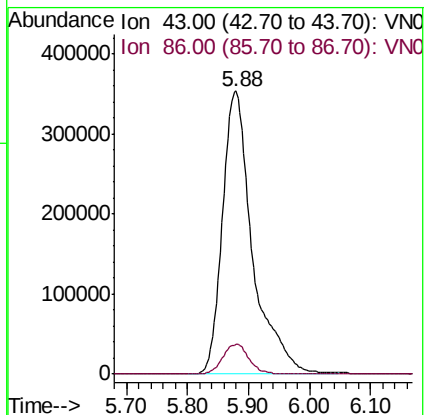
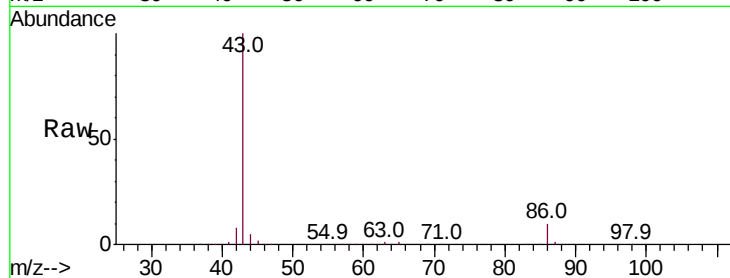
86 10.4 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.335 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

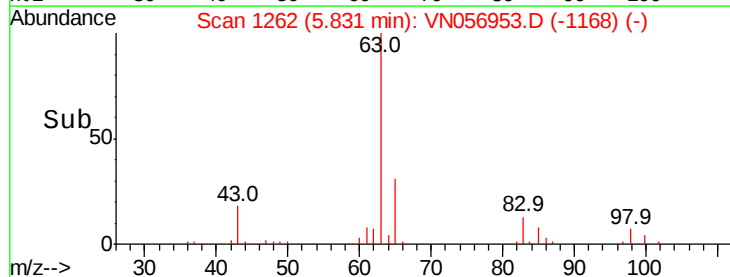
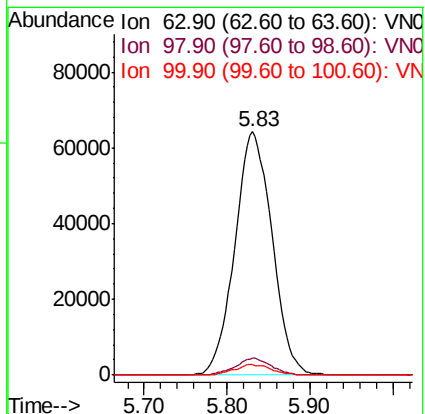
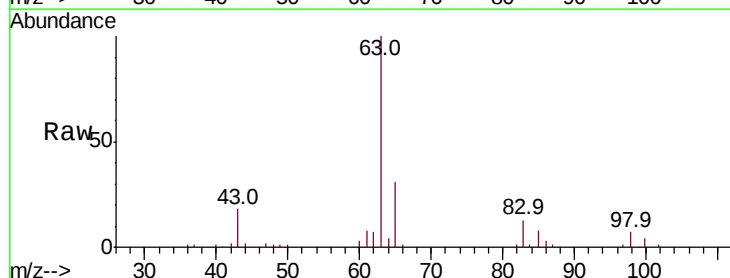
Tgt Ion: 63 Resp: 200587

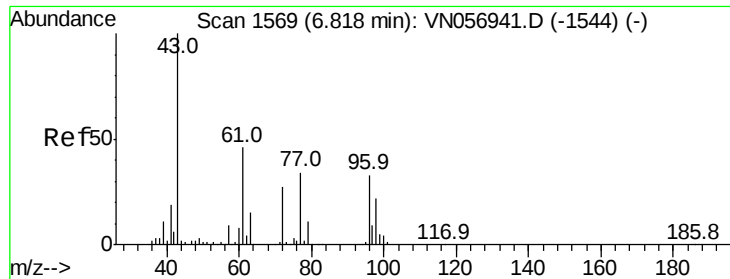
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 101.492 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 43 Resp: 302874

Ion Ratio Lower Upper

43 100

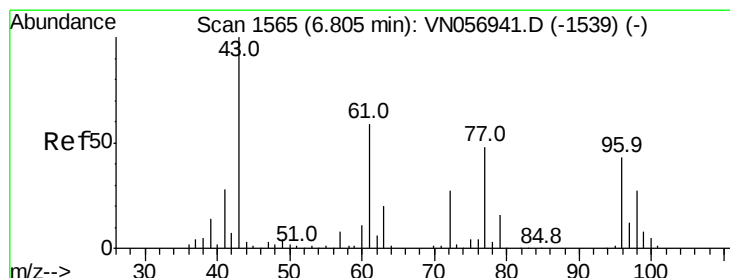
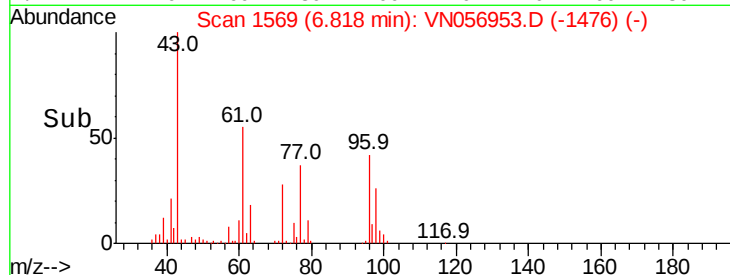
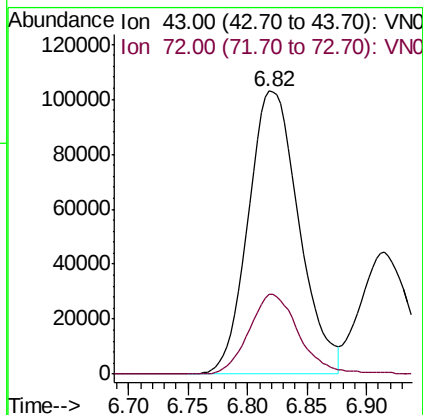
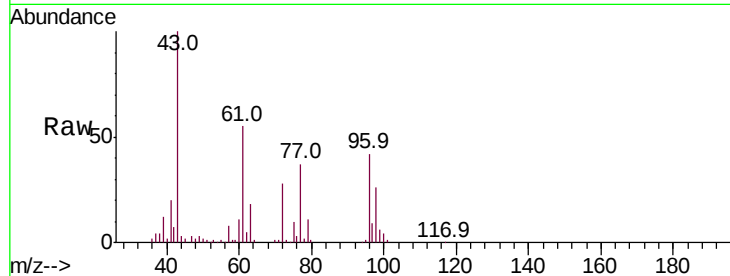
72 28.3 21.5 32.3

Manual Integrations

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7/31/2019 11:47:00 AM



#26

2,2-Dichloropropane

Concen: 17.949 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056953.D

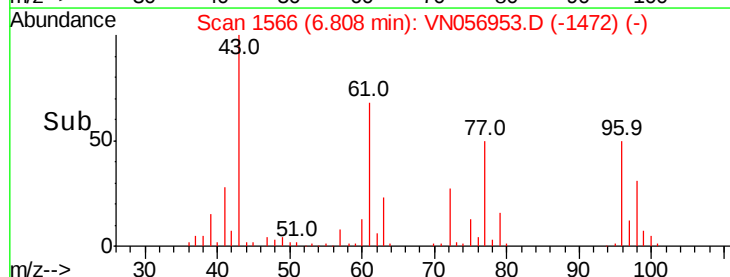
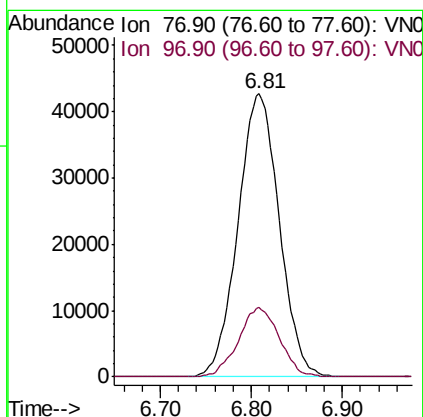
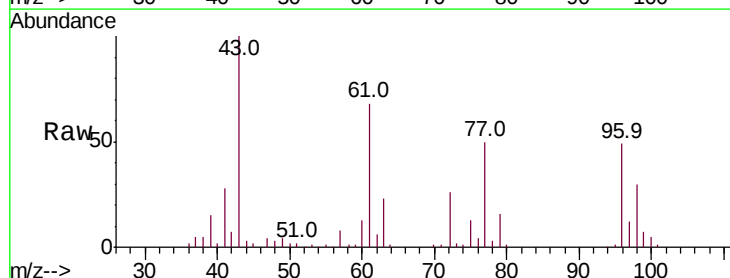
Acq: 26 Jul 2019 20:06

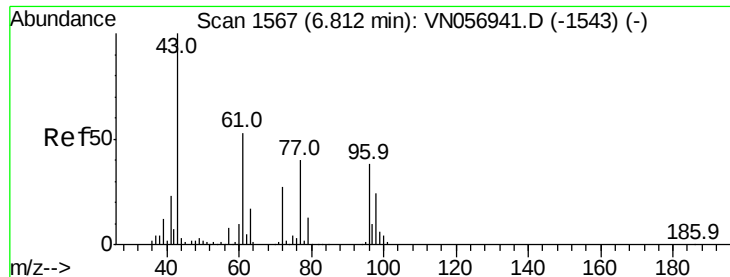
Tgt Ion: 77 Resp: 134621

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.473 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

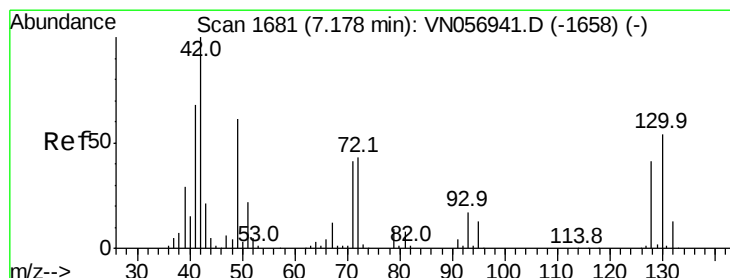
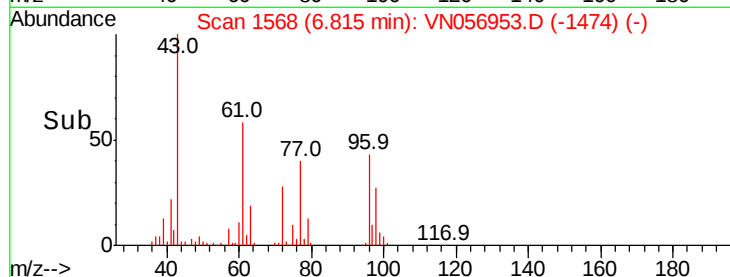
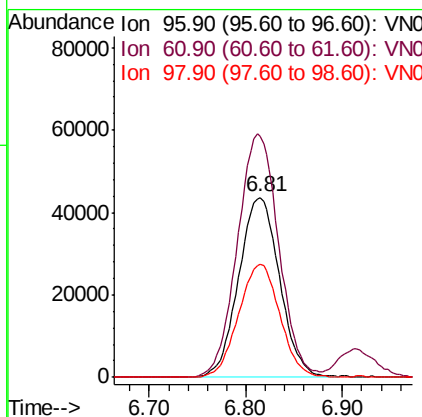
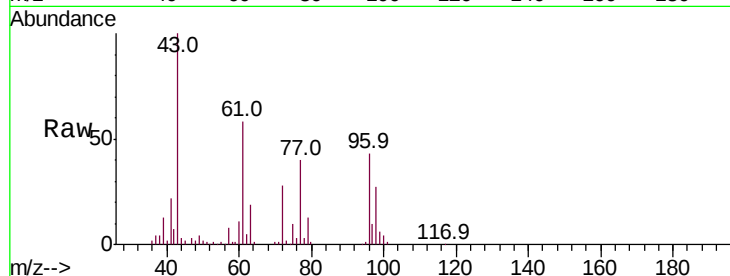
ClientSampleId :

VN0727WBSD01

Tot Ion:	96	Resp:	128281
Ion Ratio	Lower	Upper	
96	100		
61	136.7	0.0	277.2
98	63.3	0.0	128.4

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#28

Bromochloromethane

Concen: 21.705 ug/l

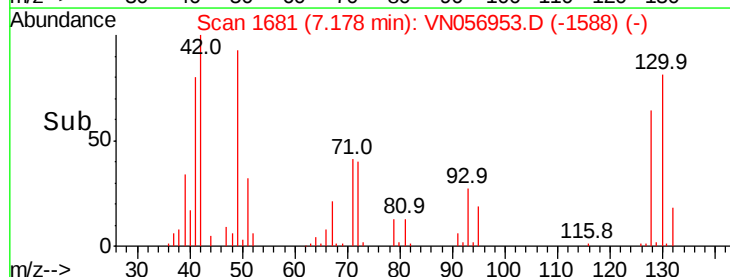
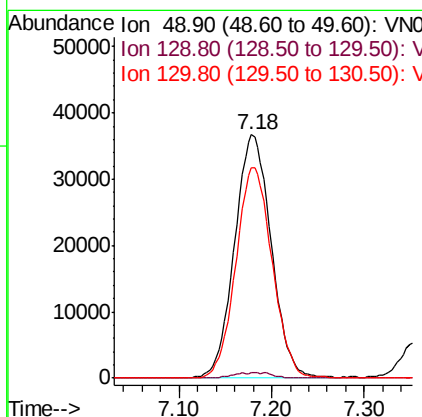
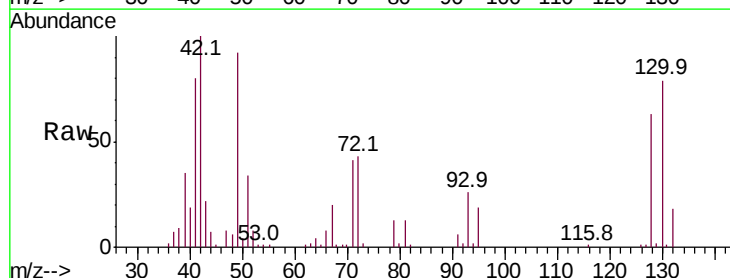
RT: 7.18 min Scan# 1681

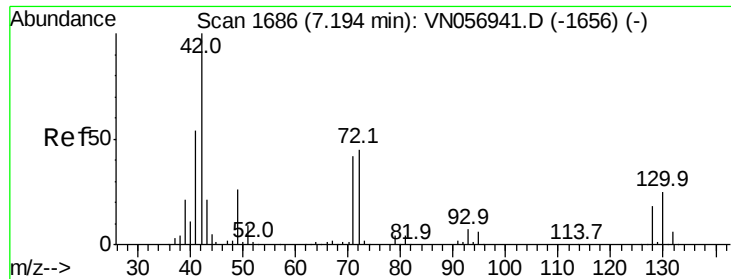
Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	49	Resp:	100636
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	4.6
130	85.7	69.0	103.4





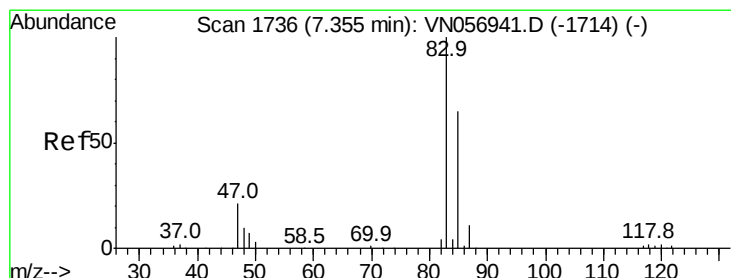
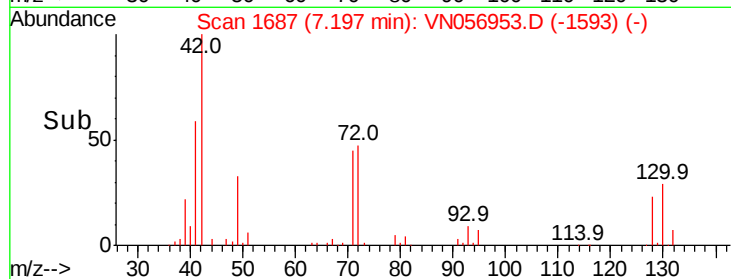
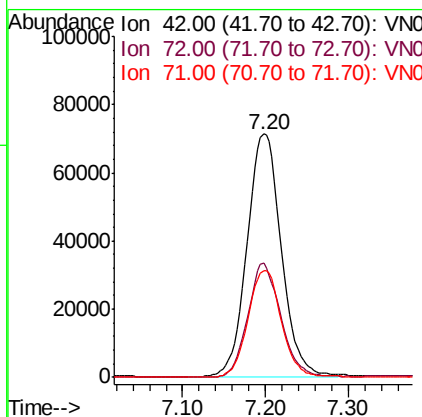
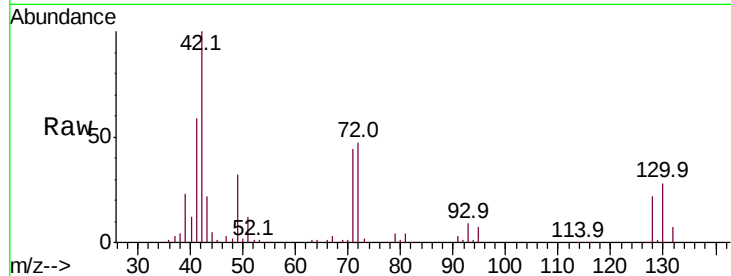
#29
Tetrahydrofuran
Concen: 105.960 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	44.8	35.6	53.4
71	42.7	33.5	50.3

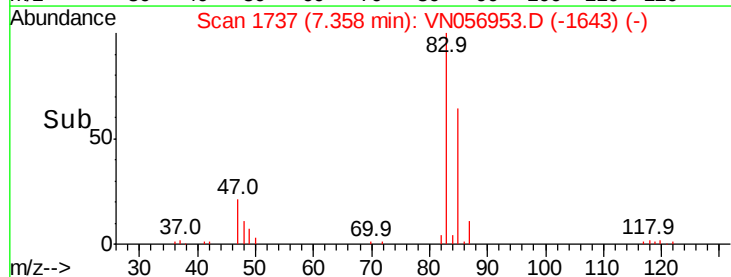
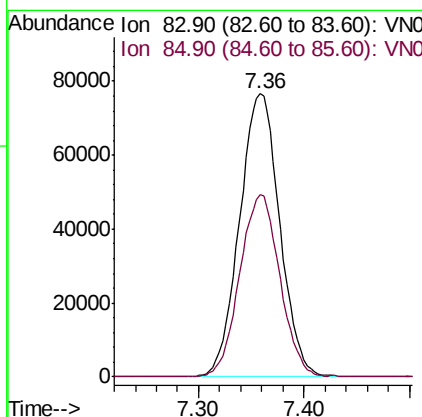
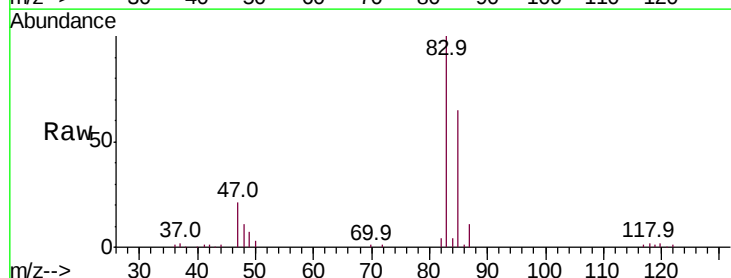
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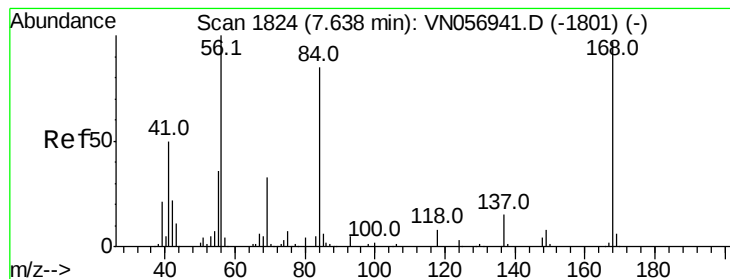
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#30
Chloroform
Concen: 20.132 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	64.5	52.2	78.2





#31

Cyclohexane

Concen: 19.430 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

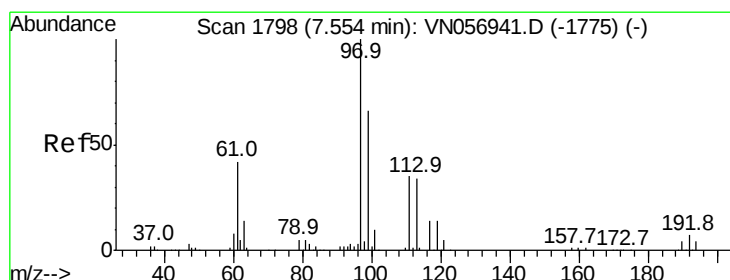
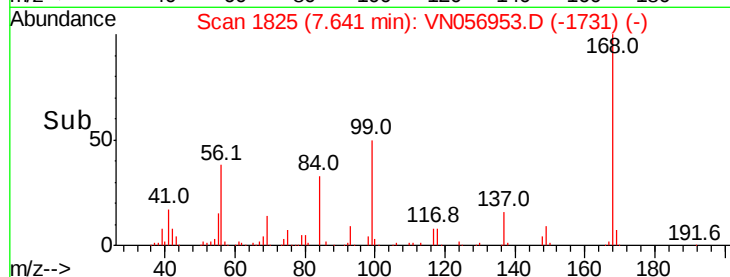
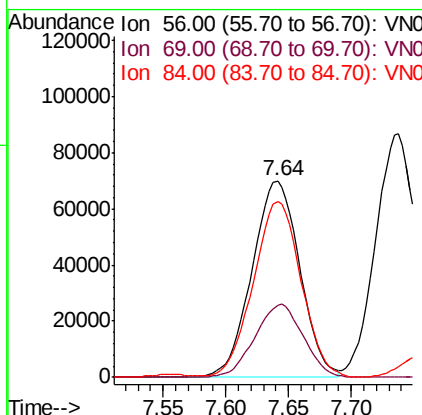
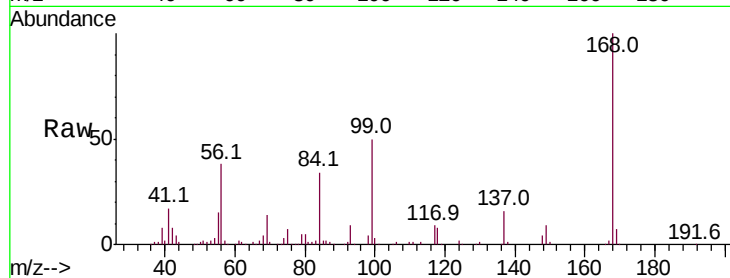
ClientSampleId :

VN0727WBSD01

Tot Ion:	56	Resp:	185467
Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.2	39.2
84	88.9	68.2	102.2

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#32

1,1,1-Trichloroethane

Concen: 20.709 ug/l

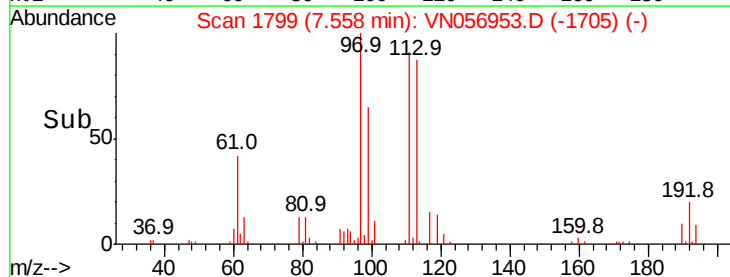
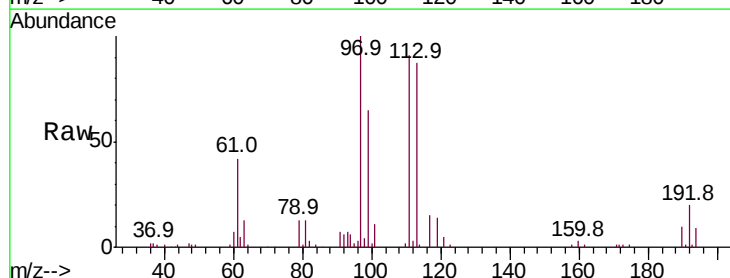
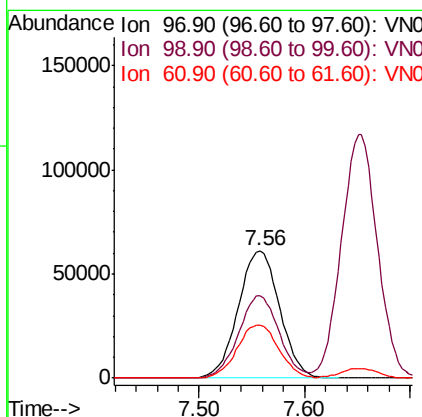
RT: 7.56 min Scan# 1799

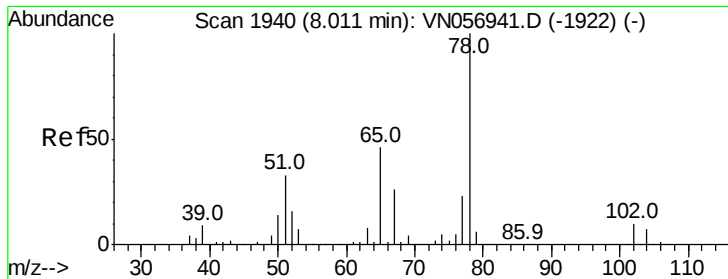
Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	97	Resp:	166647
Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	41.9	33.9	50.9





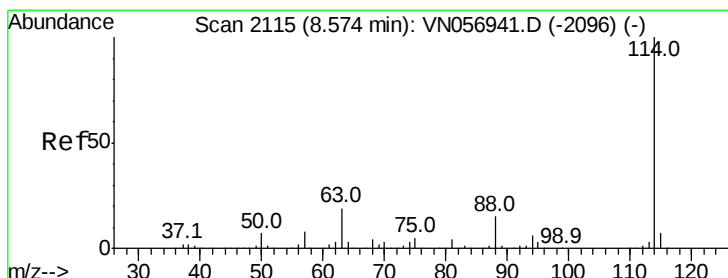
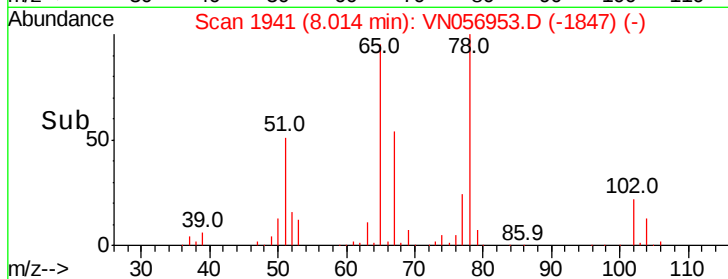
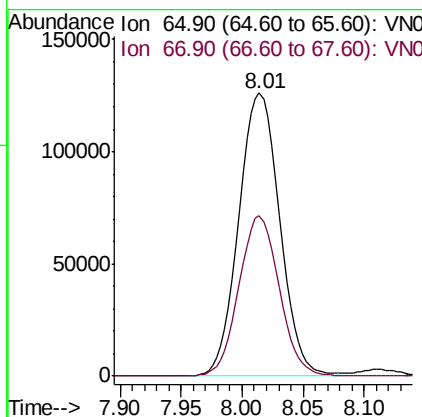
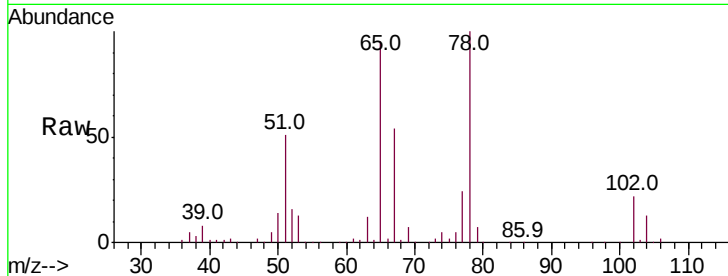
#33
 1,2-Dichloroethane-d4
 Concen: 50.594 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	293905		
67	55.8	0.0	112.0	

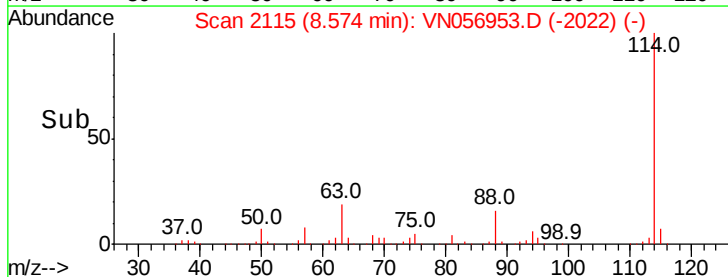
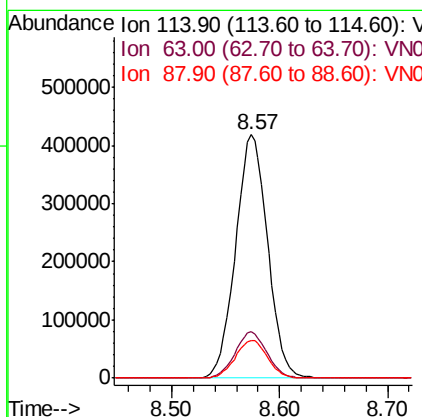
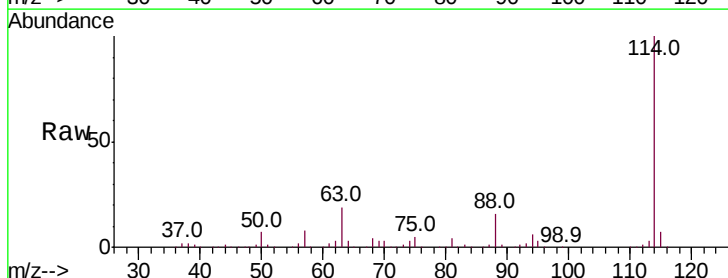
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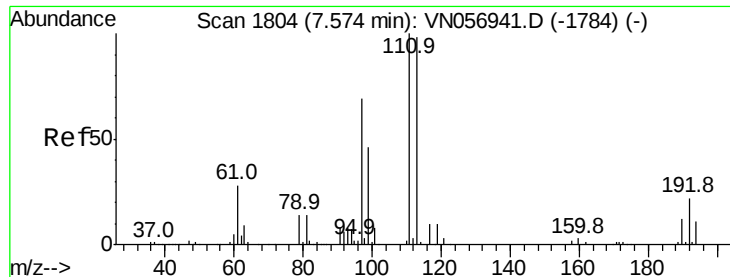
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	864763		
63	18.9	0.0	38.0	
88	15.6	0.0	30.0	





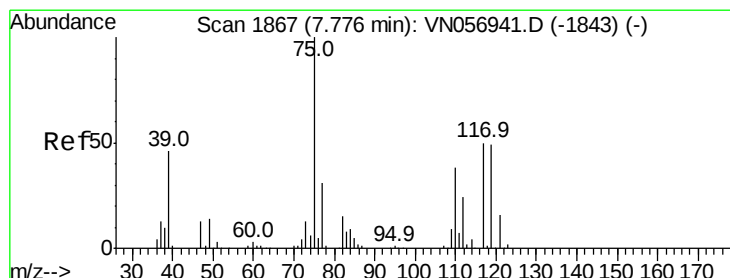
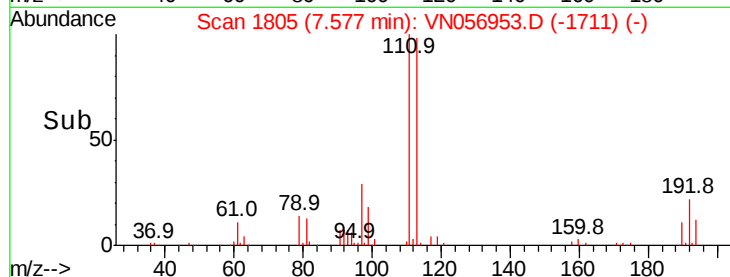
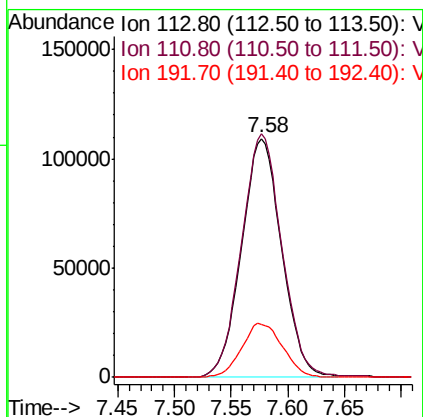
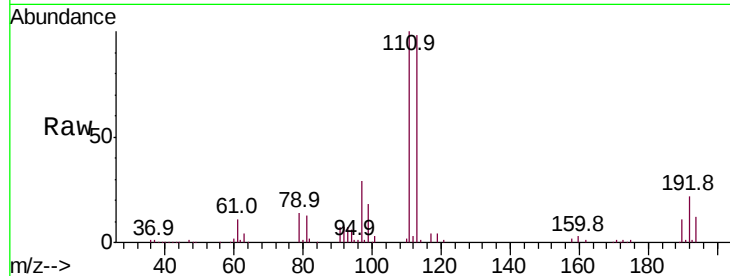
#35
 Dibromofluoromethane
 Concen: 48.676 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.3	18.4	27.6

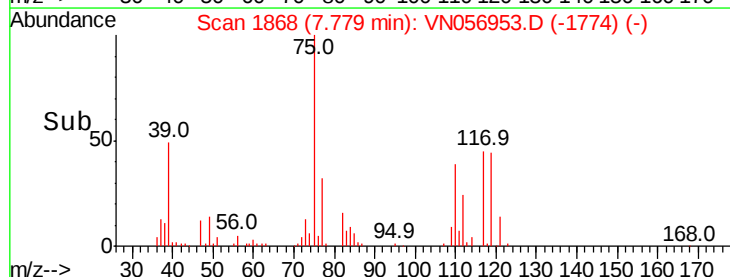
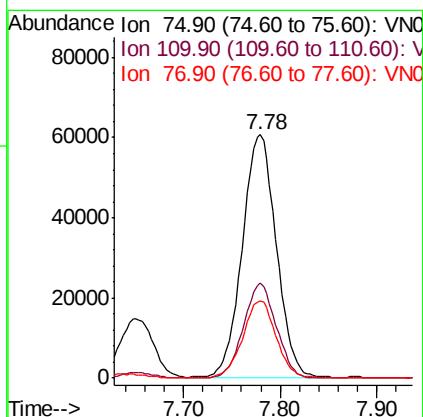
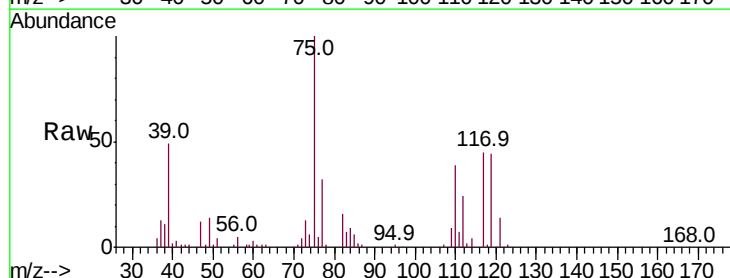
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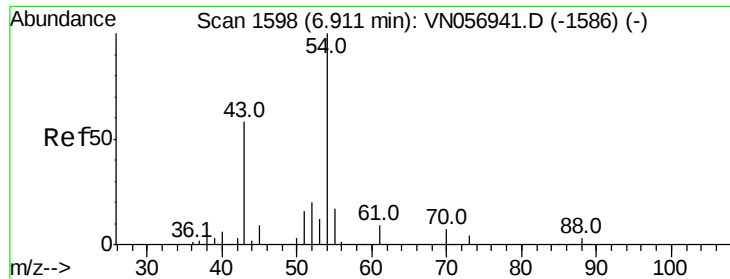
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#36
 1,1-Dichloropropene
 Concen: 19.511 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.6	55.8
77	31.1	25.2	37.8





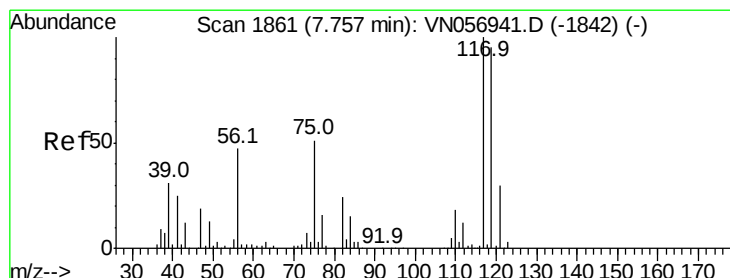
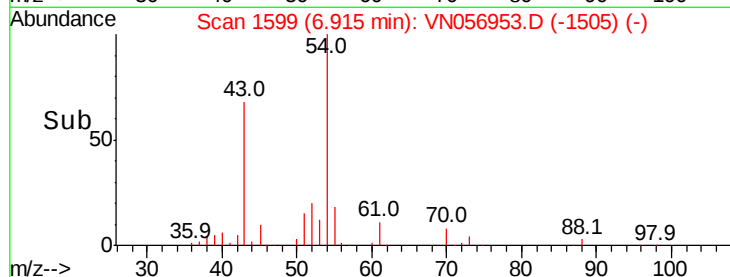
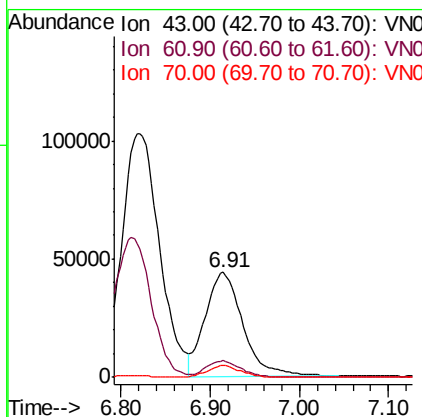
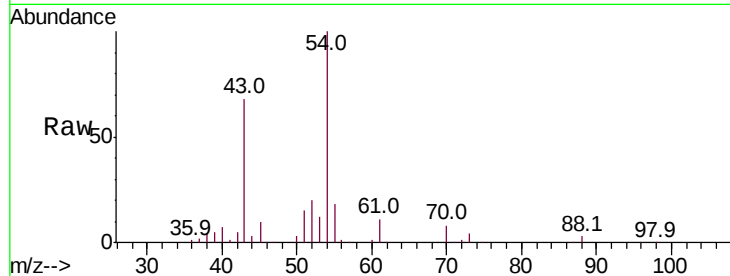
#37
Ethyl Acetate
Concen: 21.227 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleID :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.6
70	10.2	8.5	12.7

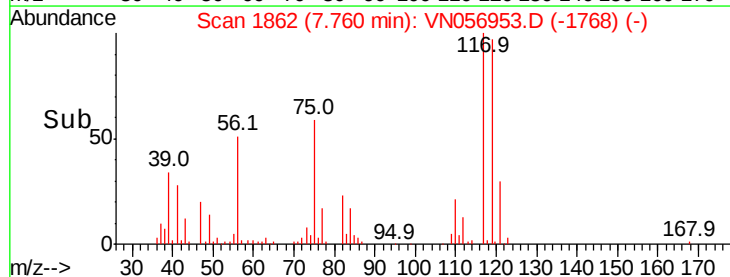
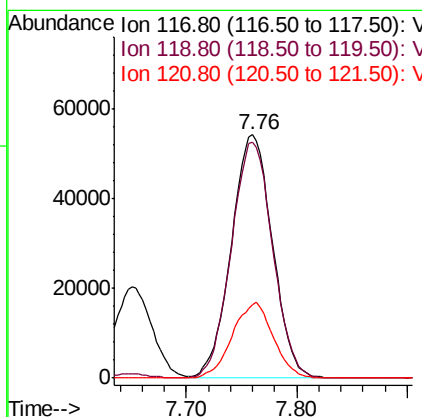
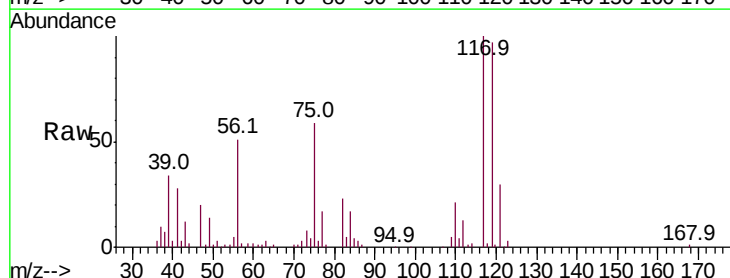
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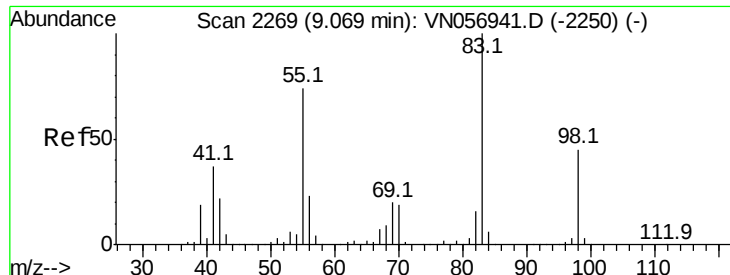
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#38
Carbon Tetrachloride
Concen: 19.547 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.3	112.9
121	30.3	24.2	36.4





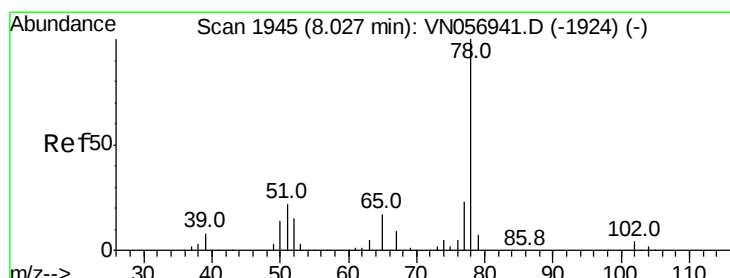
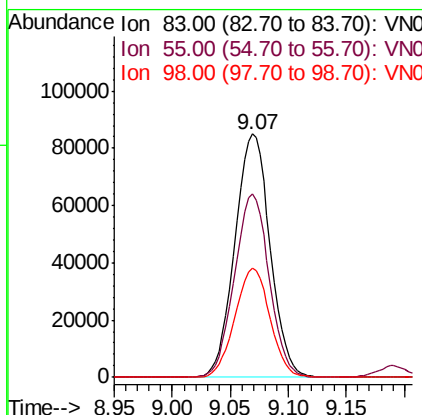
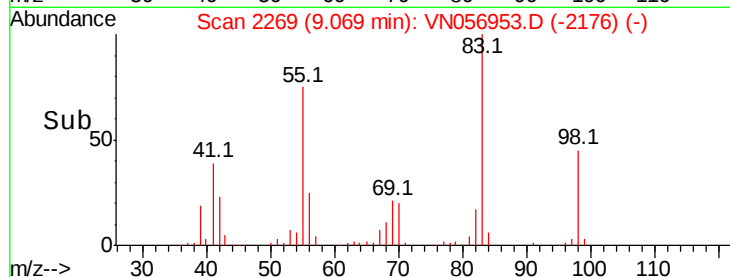
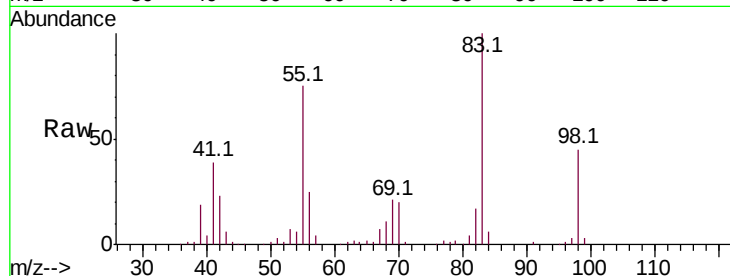
#39
Methvlcvclohexane
Concen: 18.454 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	83	Resp	179475
Ion Ratio	100	Lower	Upper
83	100		
55	75.2	59.0	88.6
98	45.0	36.2	54.4

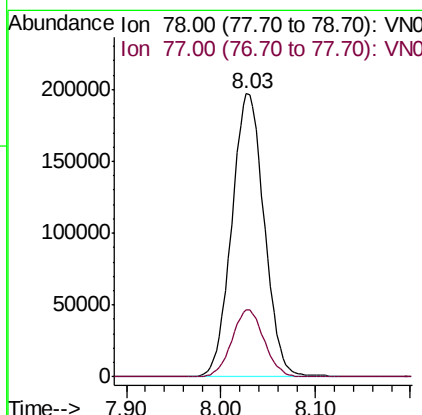
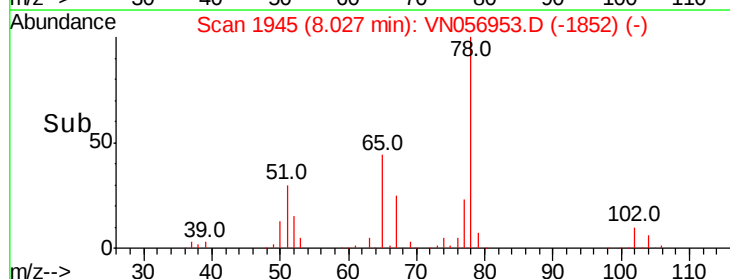
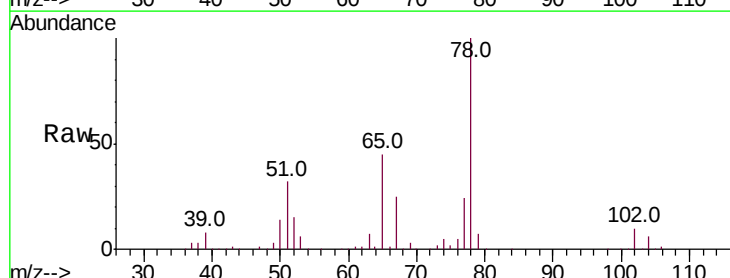
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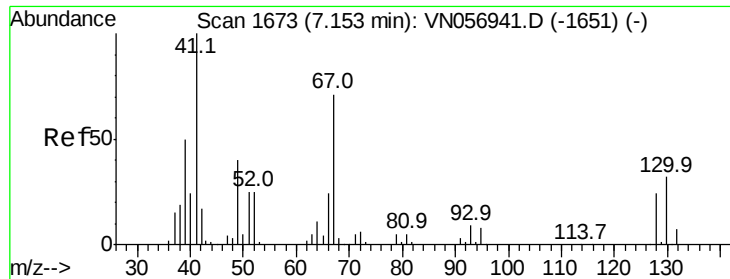
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#40
Benzene
Concen: 20.075 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	78	Resp	470505
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.3	27.5





#41

Methacrylonitrile

Concen: 20.436 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 41 Resp: 57576

Ion Ratio Lower Upper

41 100

39 55.7 48.9 73.3

67 94.4 83.4 125.0

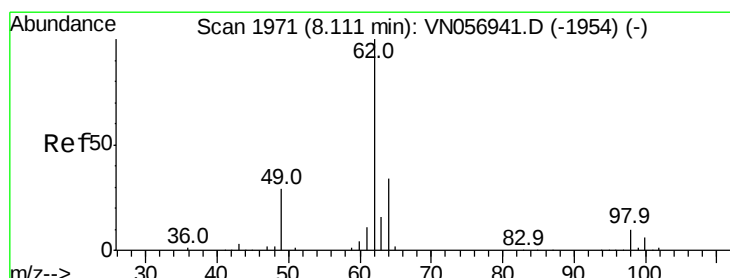
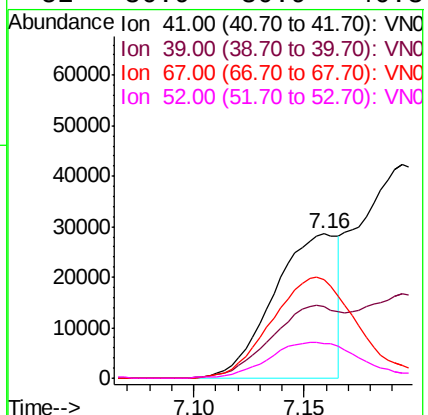
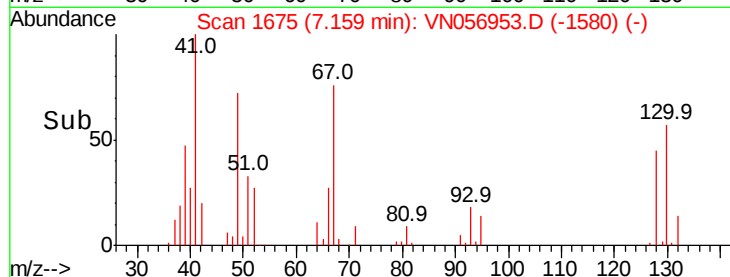
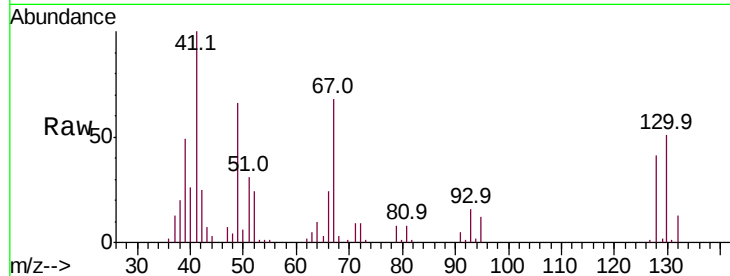
52 36.9 30.9 46.3

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.981 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN056953.D

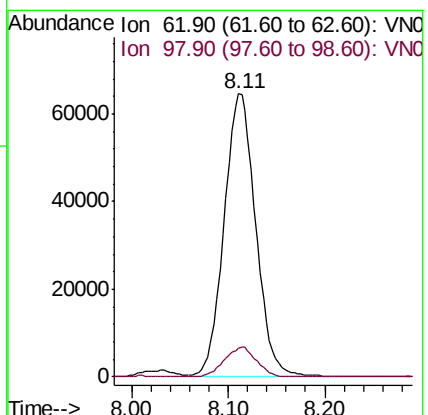
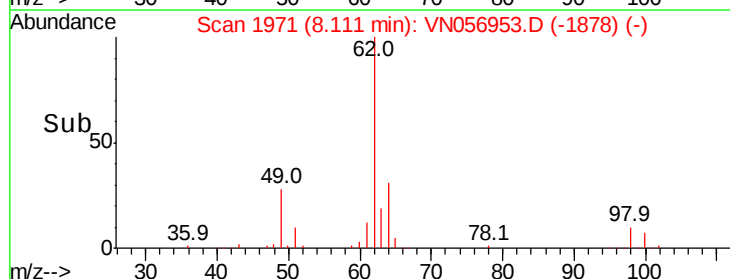
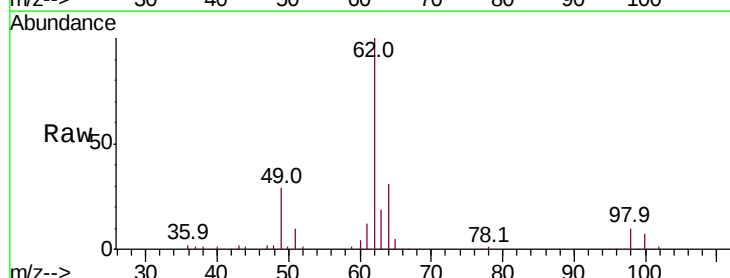
Acq: 26 Jul 2019 20:06

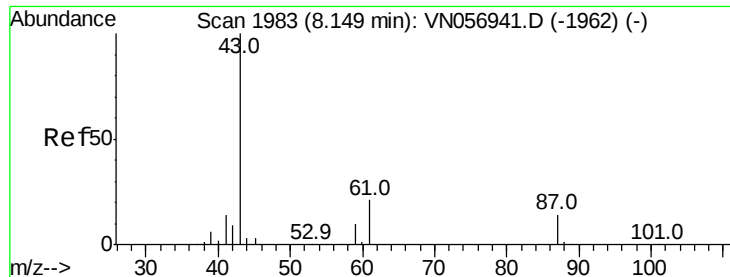
Tgt Ion: 62 Resp: 146771

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.6





#43

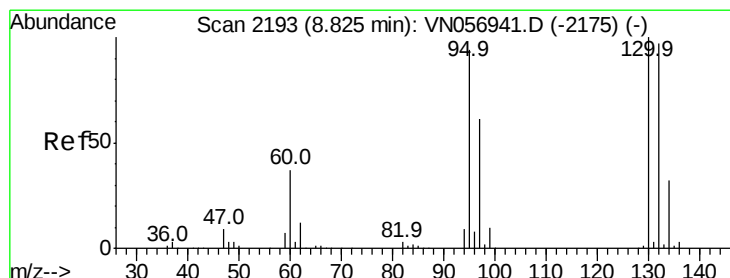
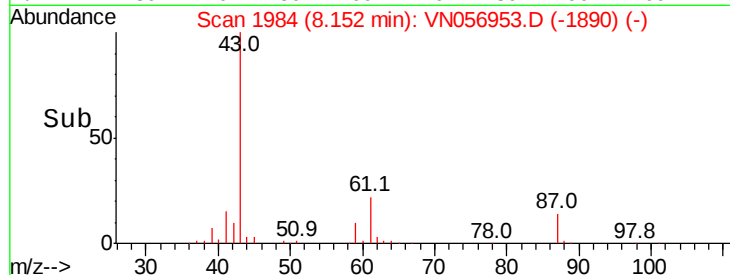
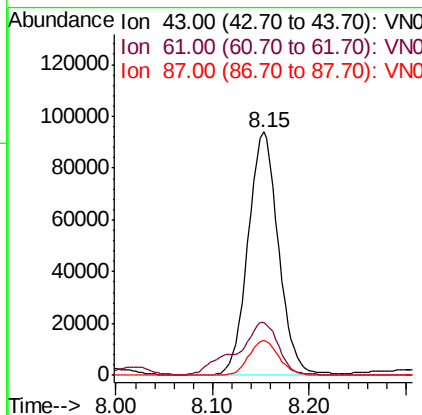
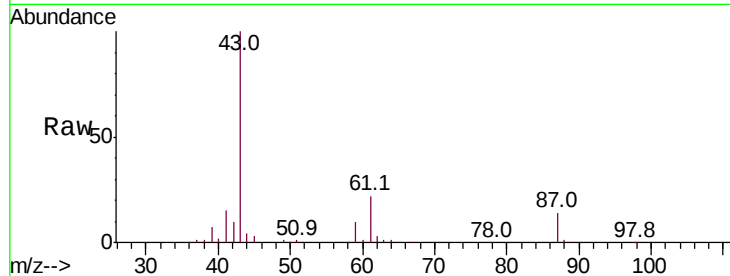
Isopropyl Acetate
 Concen: 20.248 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.0	34.6
87	14.3	11.7	17.5

Manual Integrations
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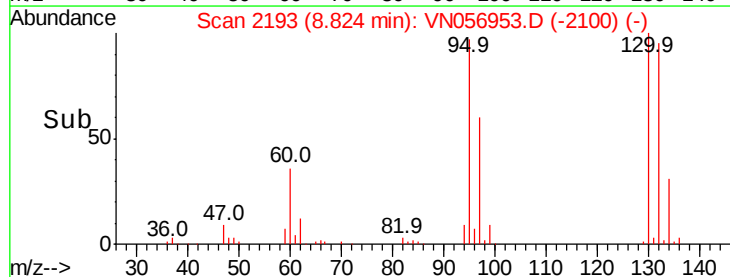
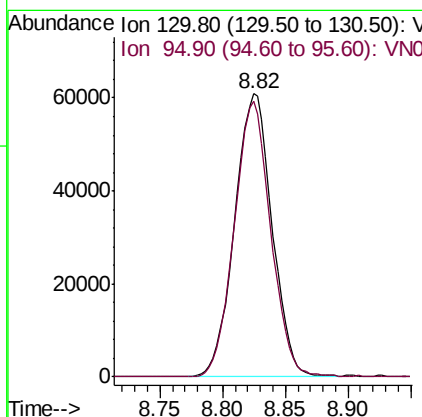
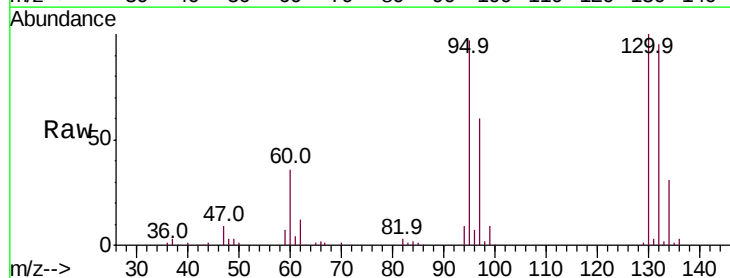
MMDadoda
 7/31/2019 11:47:00 AM

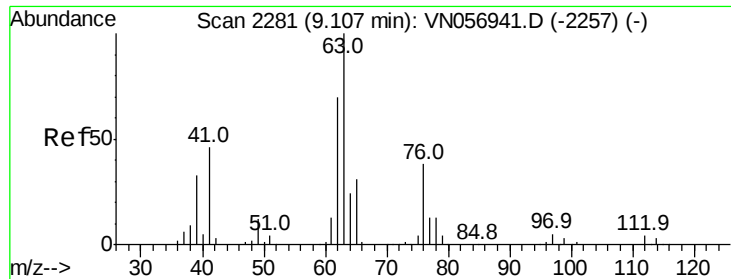


#44

Trichloroethene
 Concen: 19.576 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 20.202 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 63 Resp: 126642

Ion Ratio Lower Upper

63 100

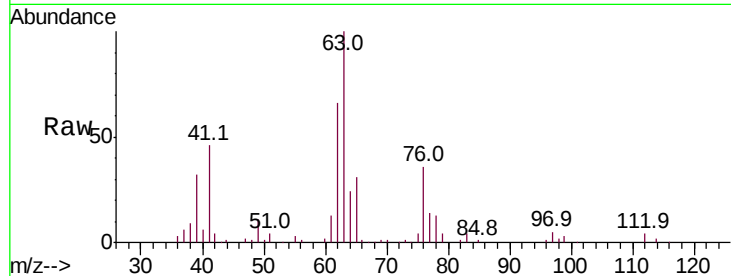
65 31.2 24.8 37.2

Manual Integrations

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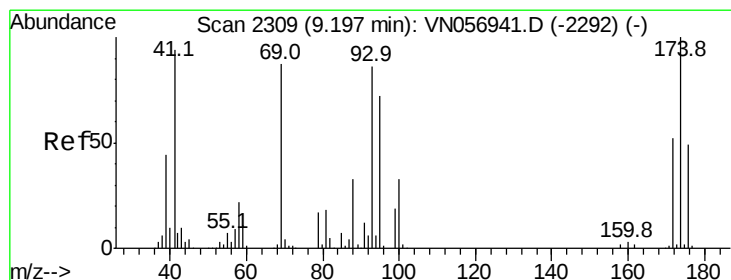
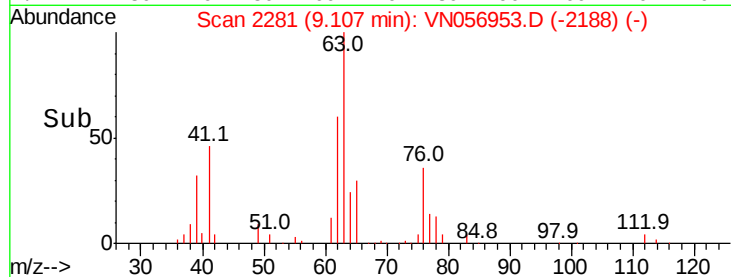
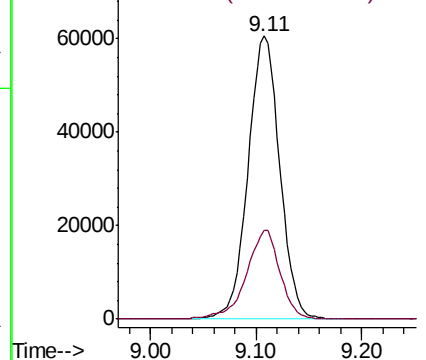
MMDadoda

7/31/2019 11:47:00 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.387 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

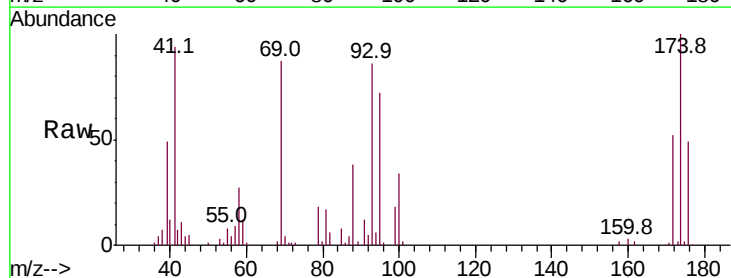
Tgt Ion: 93 Resp: 77075

Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

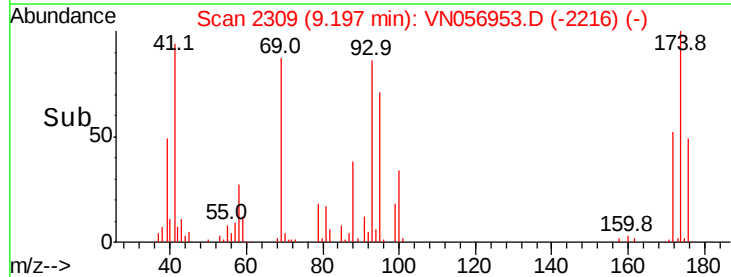
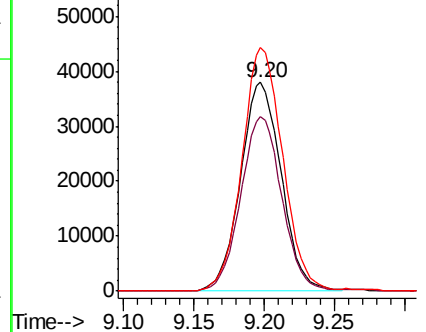
174 116.4 92.7 139.1

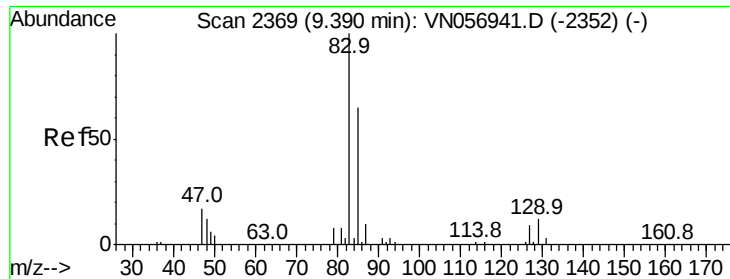


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





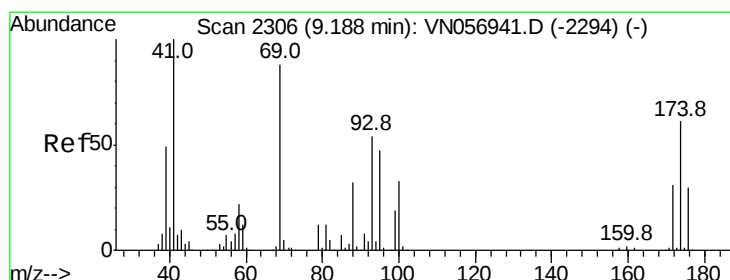
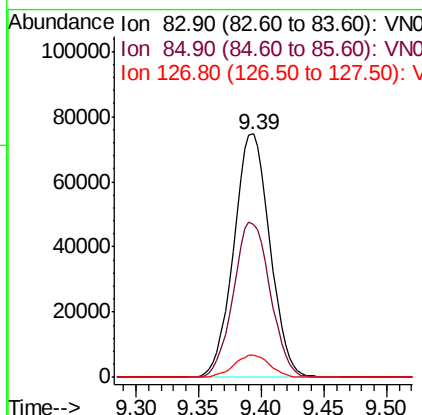
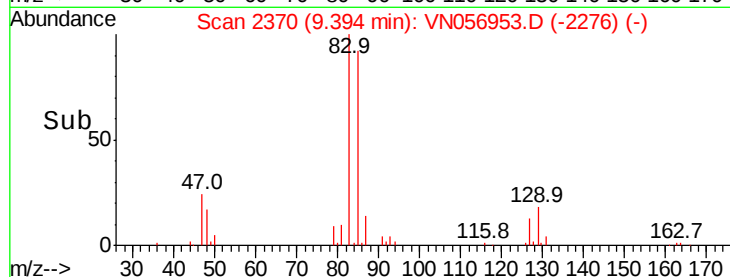
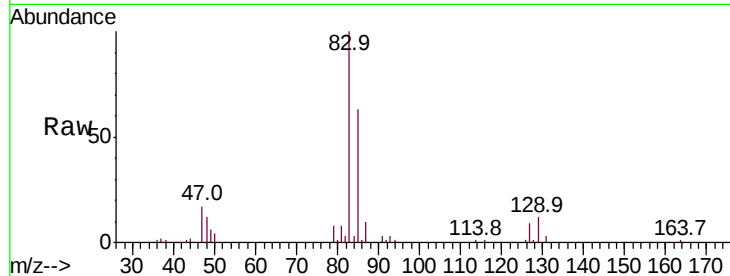
#47
Bromodichloromethane
Concen: 20.132 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	83	Resp	149639
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.6	77.4
127	9.1	7.3	10.9

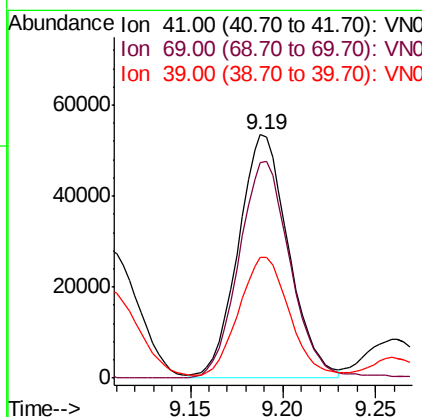
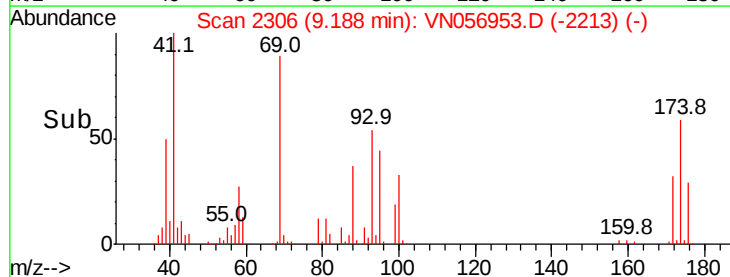
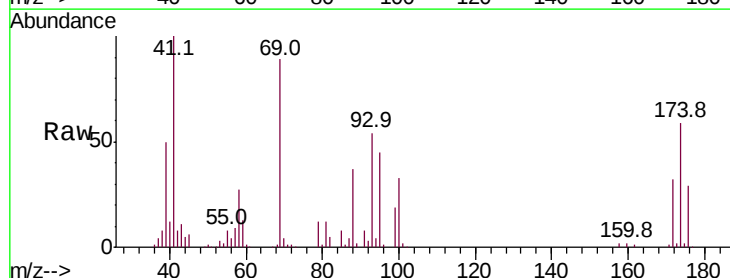
Manual Integrations
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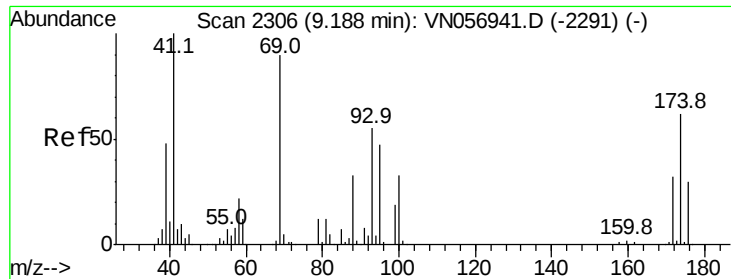
MMDadoda
7/31/2019 11:47:00 AM



#48
Methyl methacrylate
Concen: 20.570 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	41	Resp	100036
Ion Ratio	100	Lower	Upper
41	100		
69	91.5	73.4	110.0
39	51.1	39.9	59.9





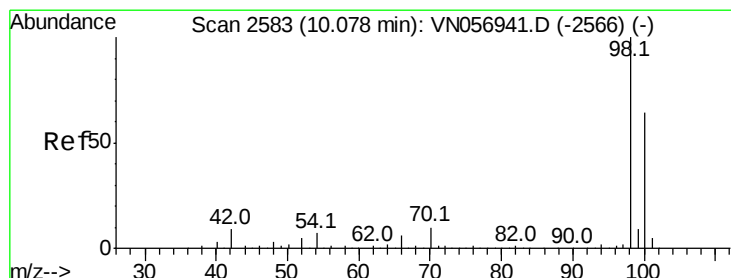
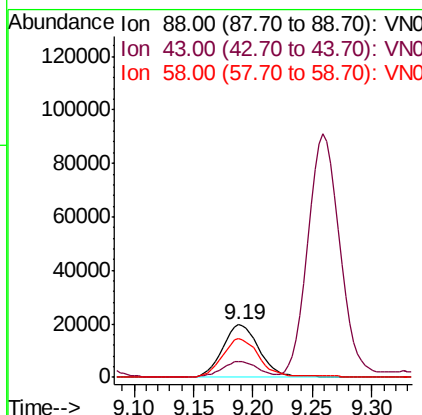
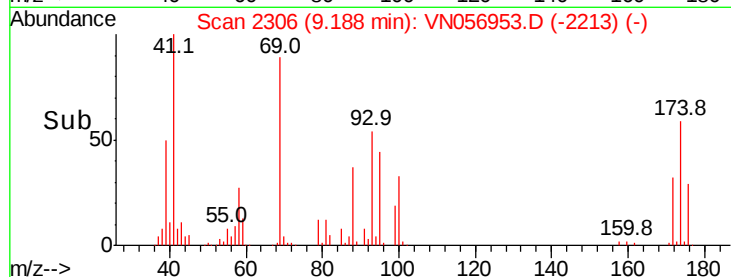
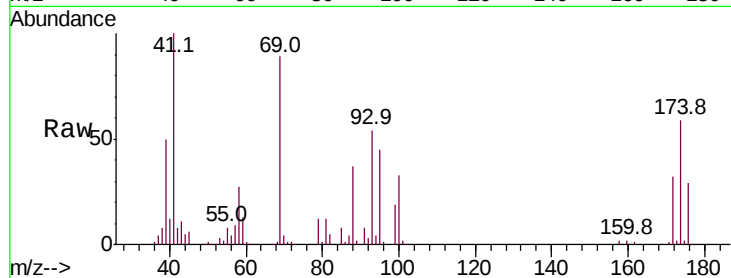
#49
1,4-Dioxane
Concen: 424.515 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.2	33.2
58	72.1	54.1	81.1

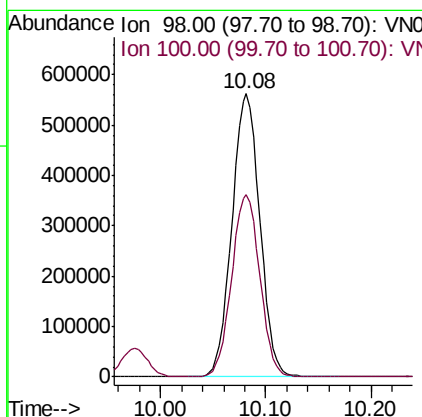
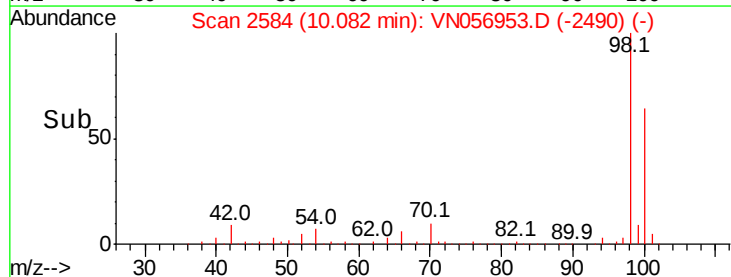
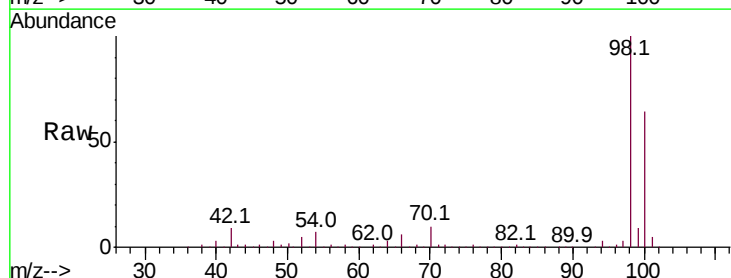
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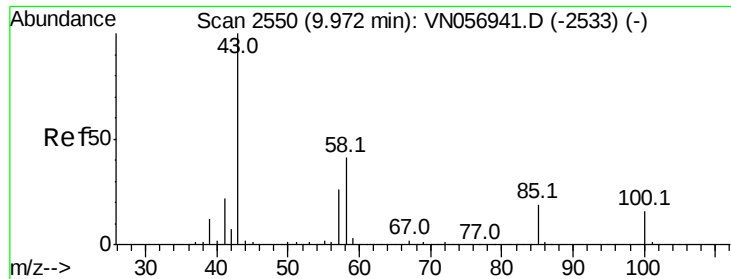
MMDadoda
7/31/2019 11:47:00 AM



#50
Toluene-d8
Concen: 48.839 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.3	76.9





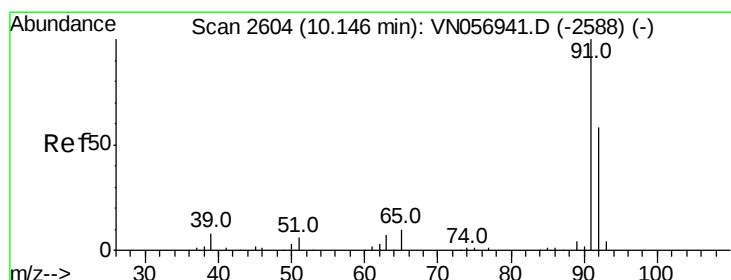
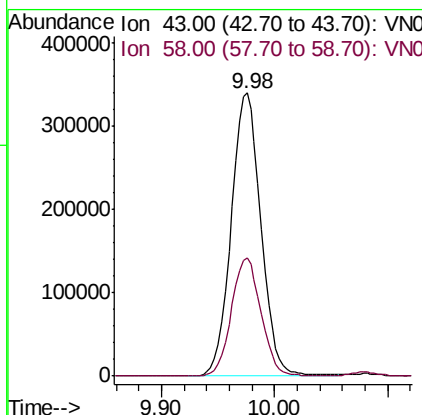
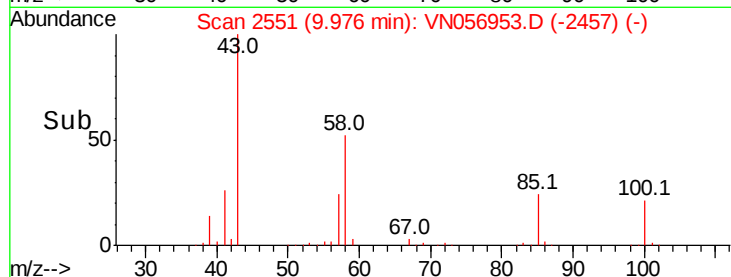
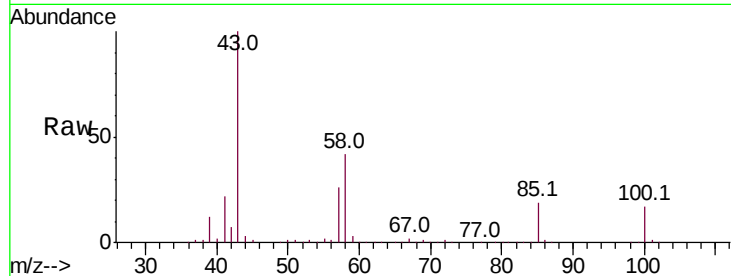
#51
4-Methyl-2-Pentanone
Concen: 103.652 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 43 Resp: 620354
Ion Ratio Lower Upper
43 100
58 41.6 33.1 49.7

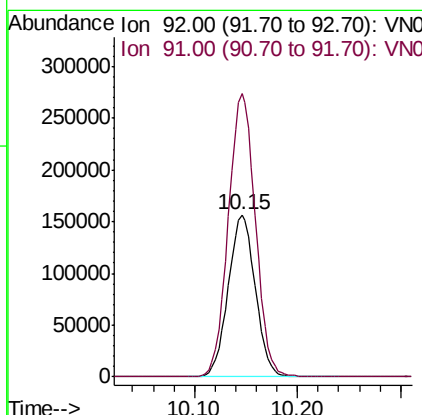
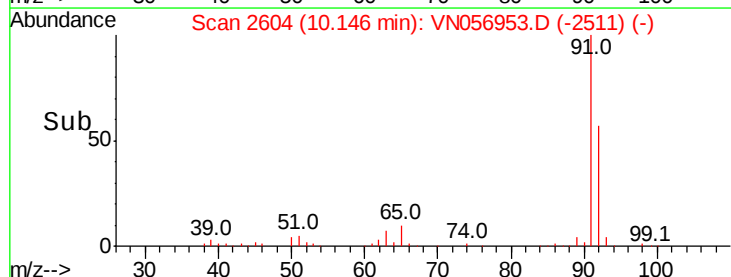
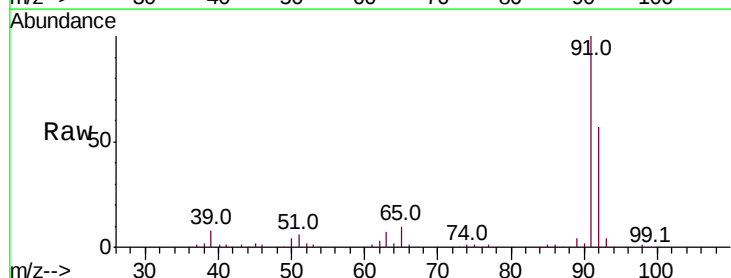
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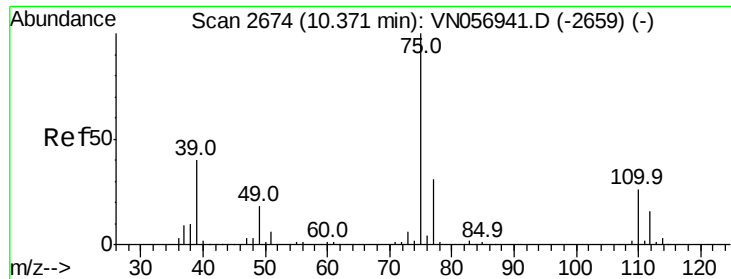
MMDadoda
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#52
Toluene
Concen: 20.389 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 92 Resp: 287097
Ion Ratio Lower Upper
92 100
91 174.7 138.0 207.0





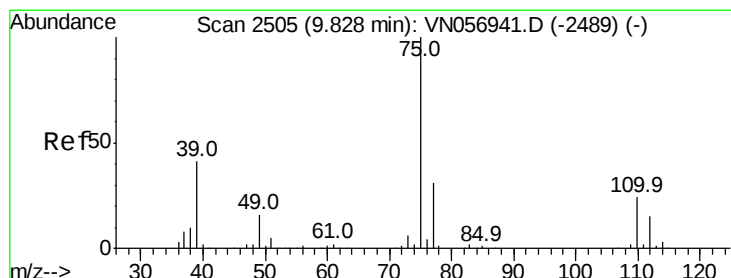
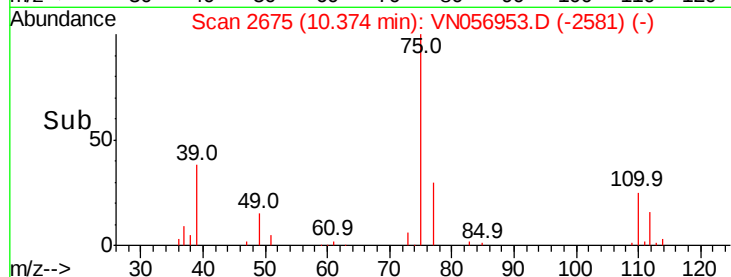
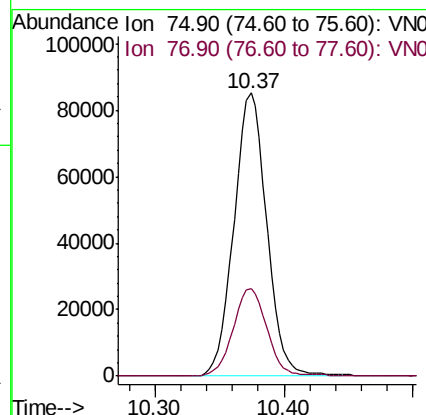
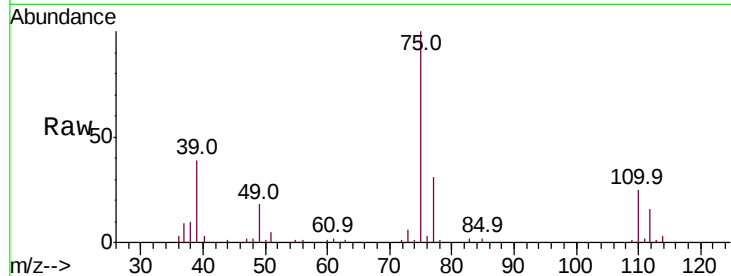
#53
 t-1,3-Dichloropropene
 Concen: 19.521 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion: 75 Resp: 150575
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.1 37.7

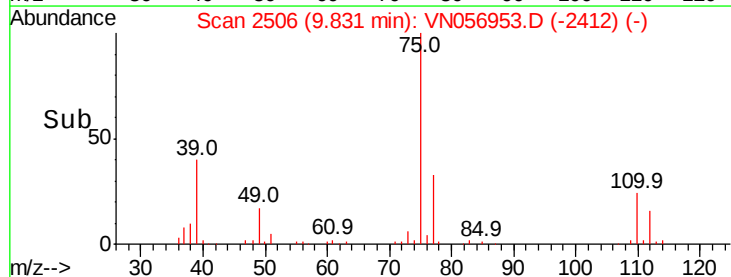
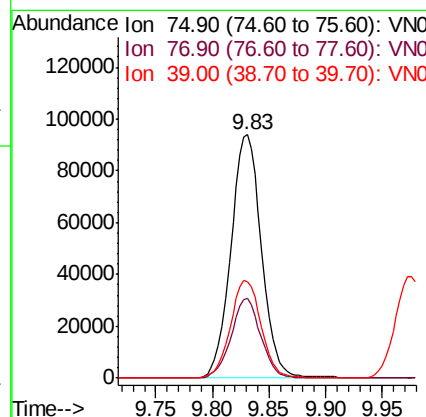
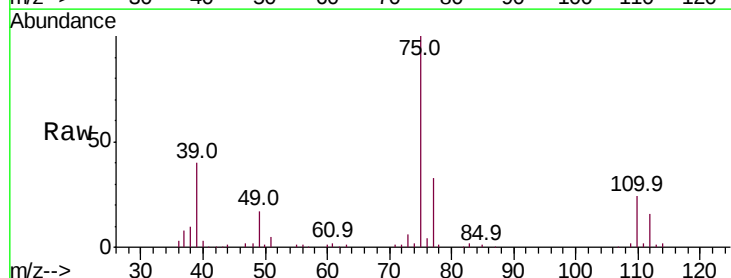
Manual Integrations
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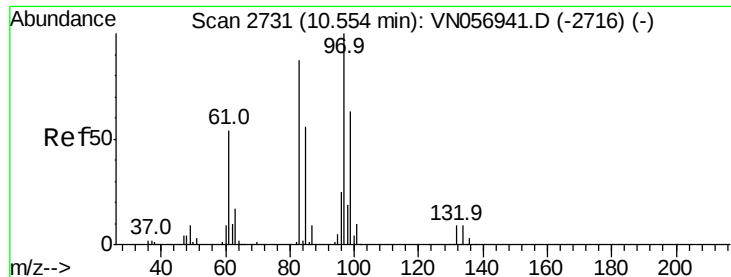
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.705 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion: 75 Resp: 176719
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6
 39 39.8 32.6 49.0





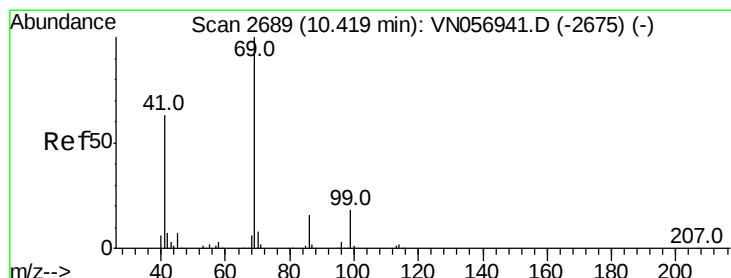
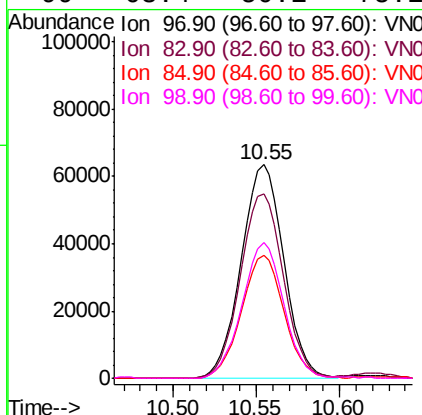
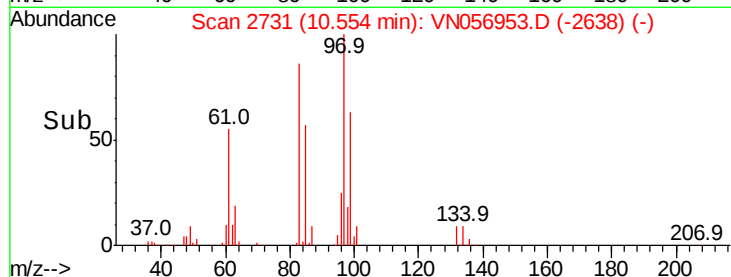
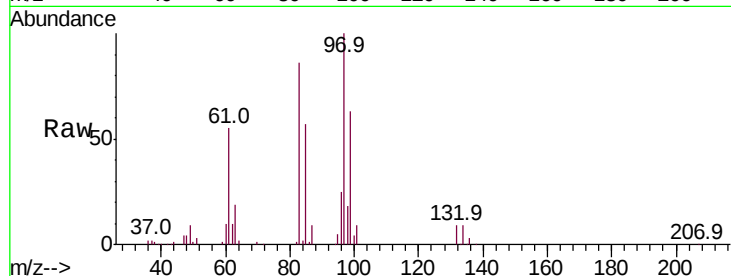
#55
 1,1,2-Trichloroethane
 Concen: 20.157 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.4	104.0
85	57.4	44.7	67.1
99	63.4	50.1	75.1

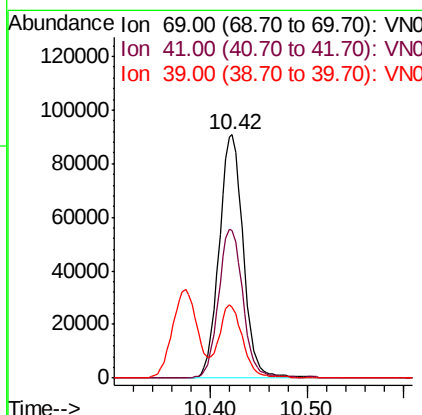
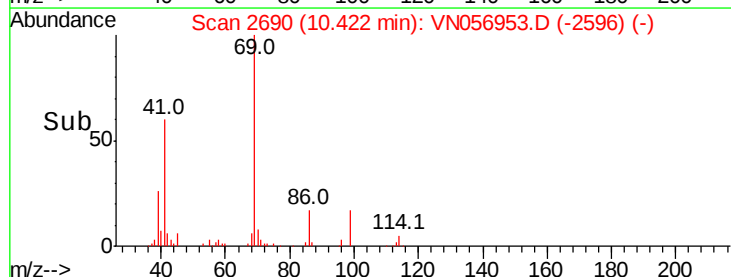
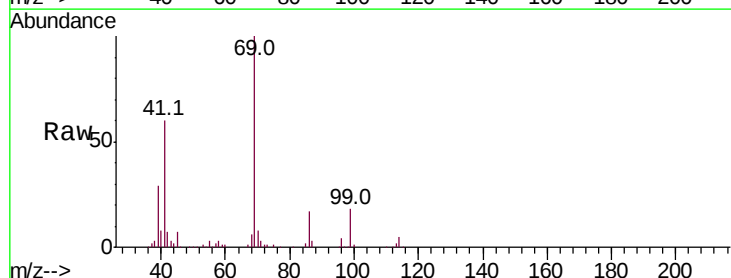
Manual Integrations
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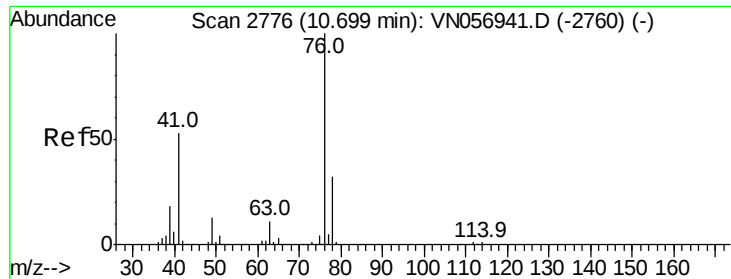
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 7/31/2019 11:47:00 AM



#56
 Ethyl methacrylate
 Concen: 19.535 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.2	73.8
39	29.2	23.1	34.7





#57

1,3-Dichloropropane

Concen: 19.879 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

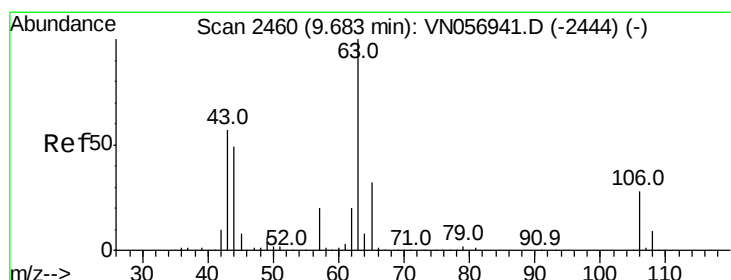
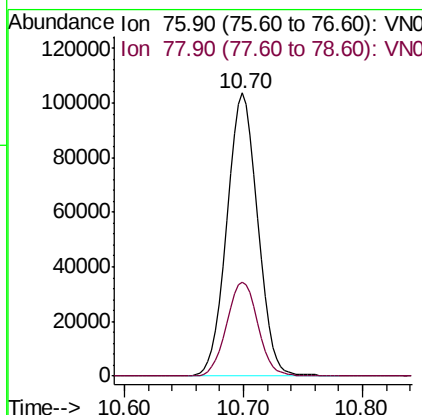
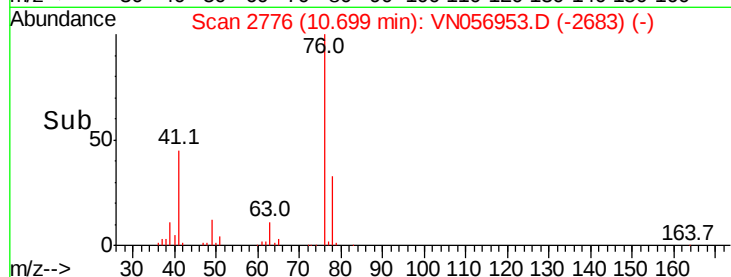
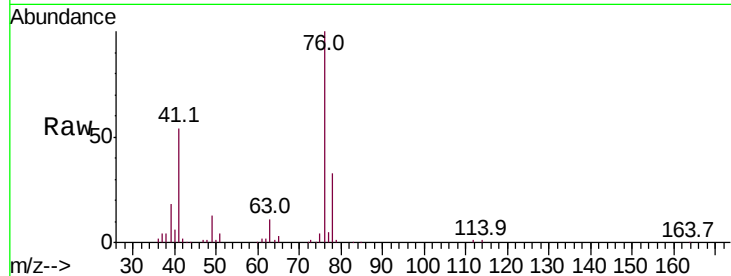
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 76 Resp: 186149

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9

Manual Integrations
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7/31/2019 11:47:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.082 ug/l

RT: 9.69 min Scan# 2461

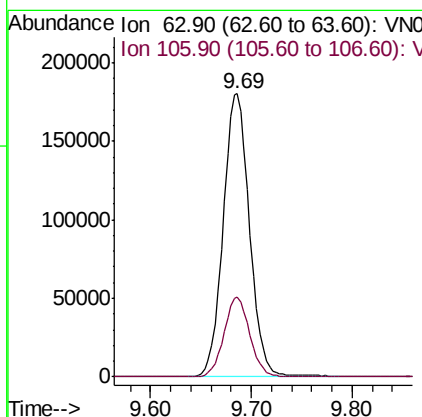
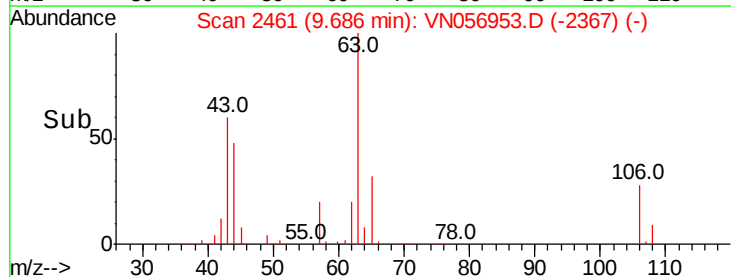
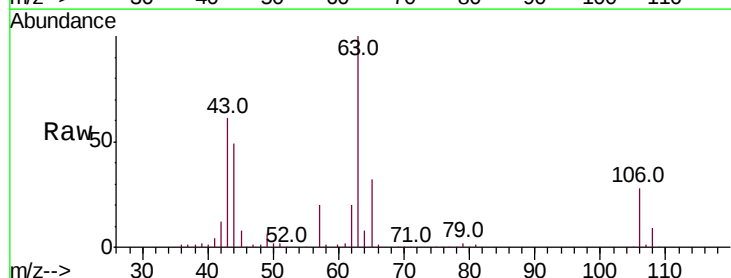
Delta R.T. 0.00 min

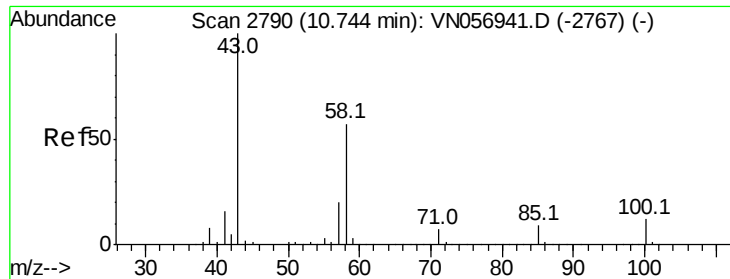
Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion: 63 Resp: 328521

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.0	33.0





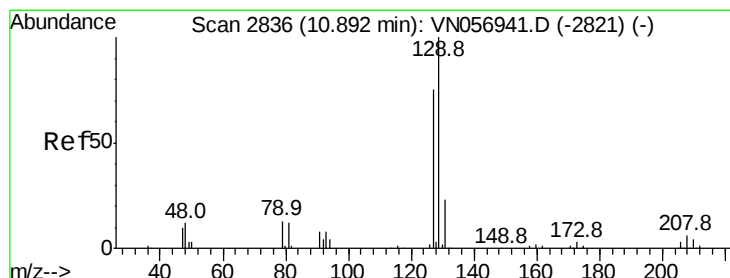
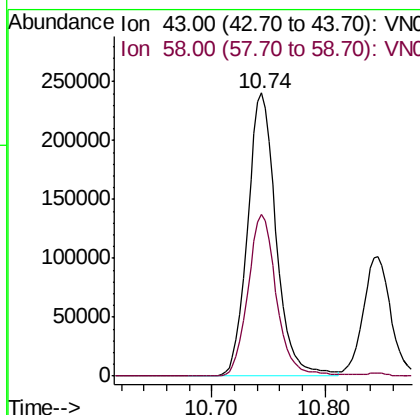
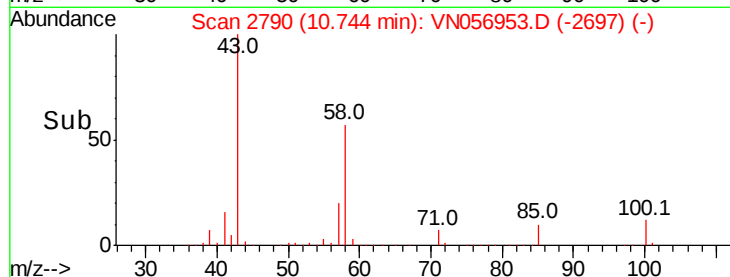
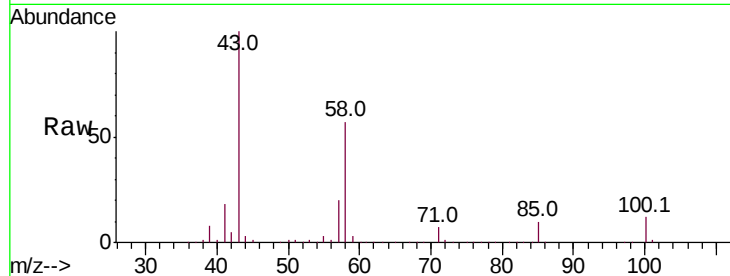
#59
2-Hexanone
Concen: 92.944 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 43 Resp: 421069
Ion Ratio Lower Upper
43 100
58 57.3 28.5 85.5

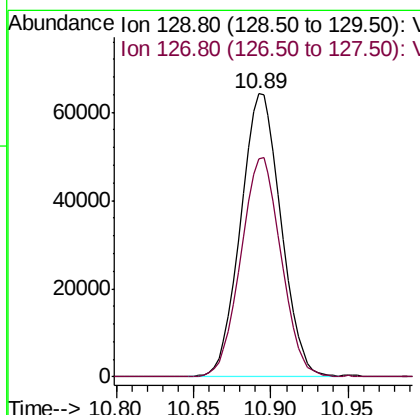
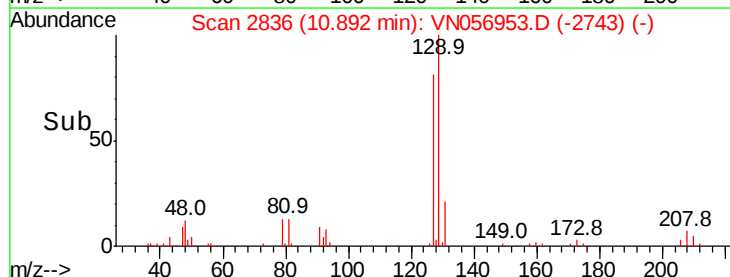
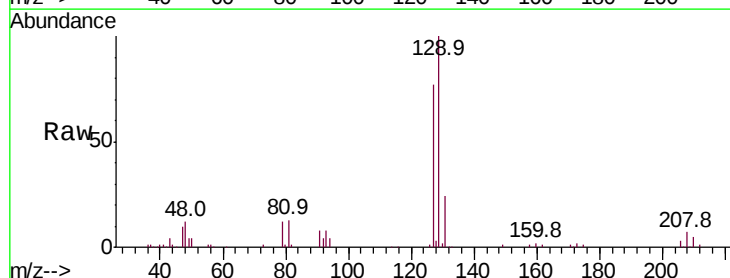
Manual Integrations
APPROVED

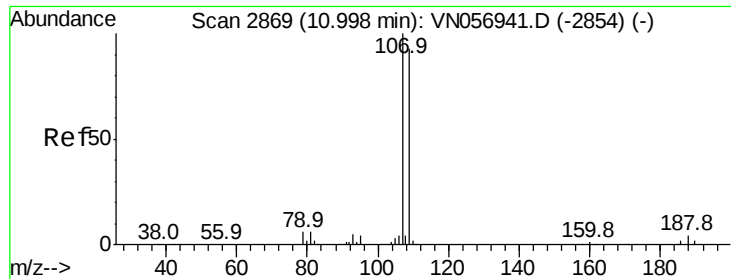
MMDadoda
7/31/2019 11:47:00 AM



#60
Dibromochloromethane
Concen: 20.198 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 129 Resp: 116852
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





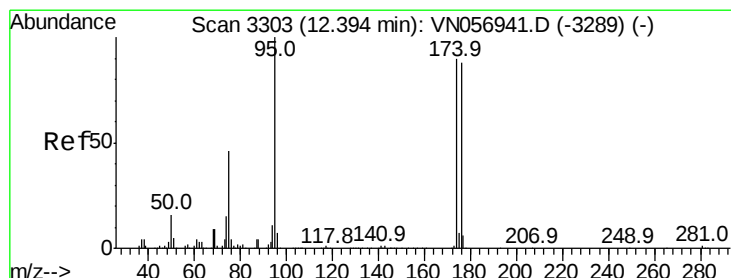
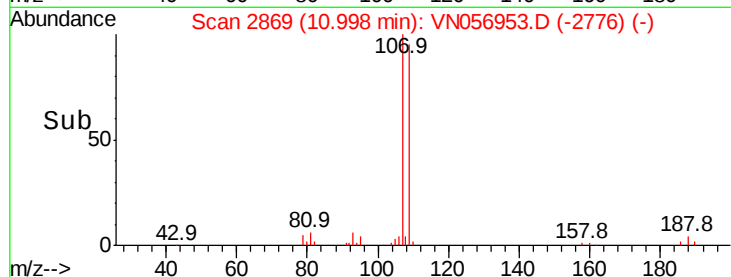
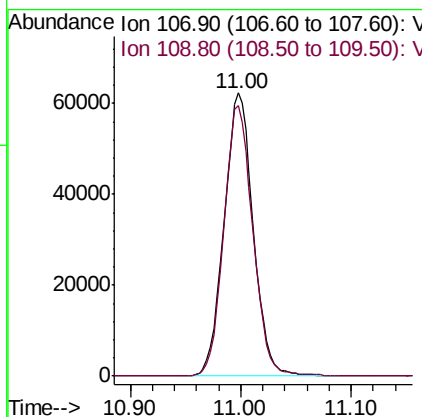
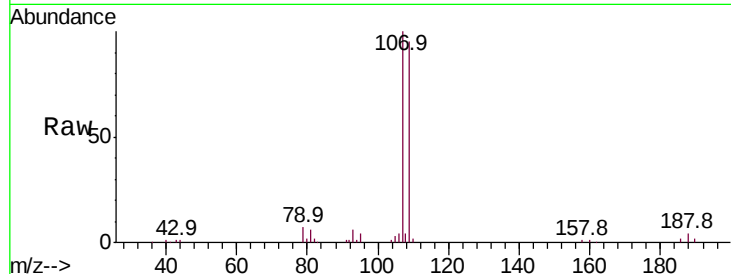
#61
1,2-Dibromoethane
Concen: 20.652 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	113810		
109	95.3	76.0	114.0	

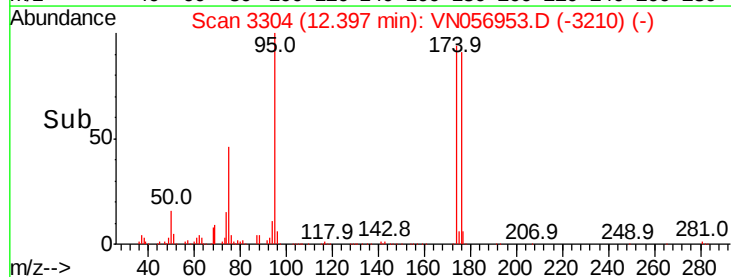
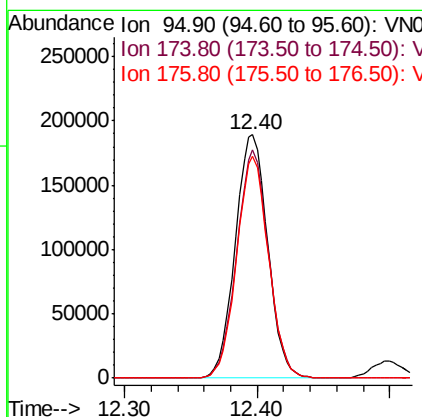
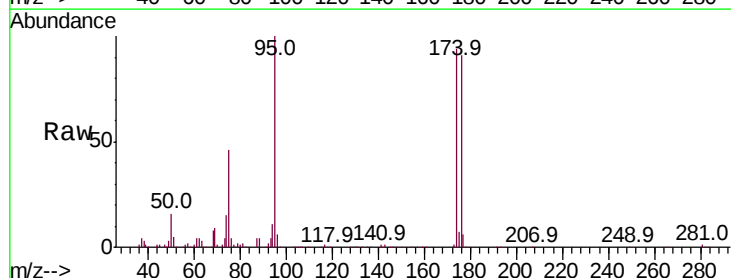
Manual Integrations
APPROVED

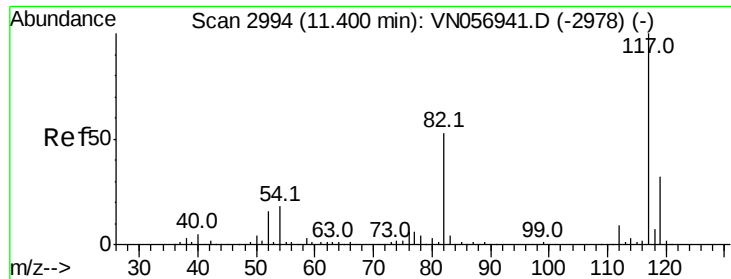
MMDadoda
7/31/2019 11:47:00 AM



#62
4-Bromofluorobenzene
Concen: 46.873 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	322137		
174	91.5	0.0	182.2	
176	89.3	0.0	179.4	





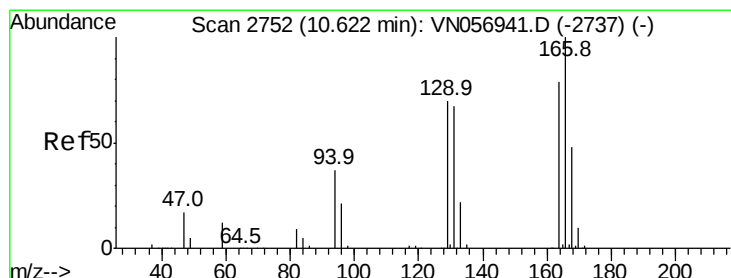
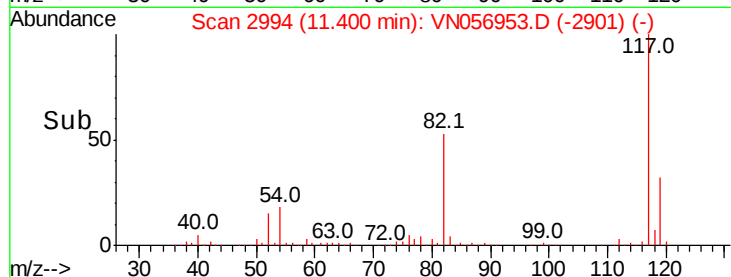
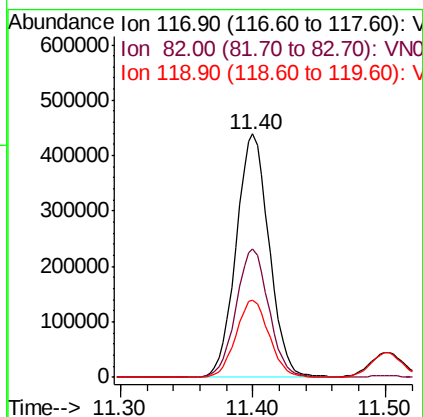
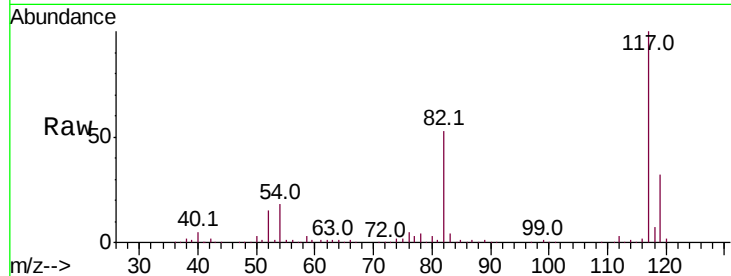
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.8	25.8	38.6

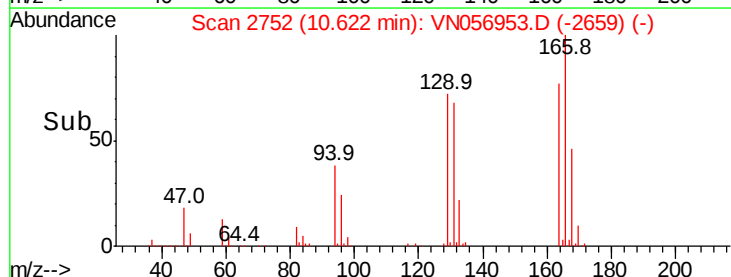
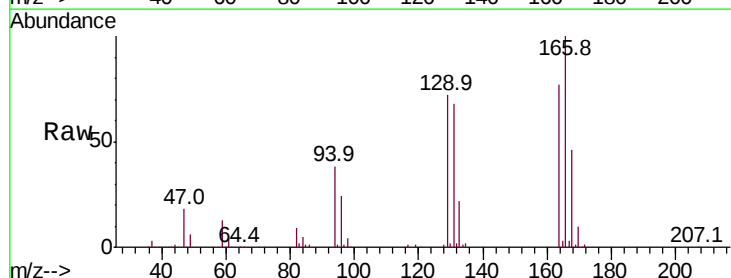
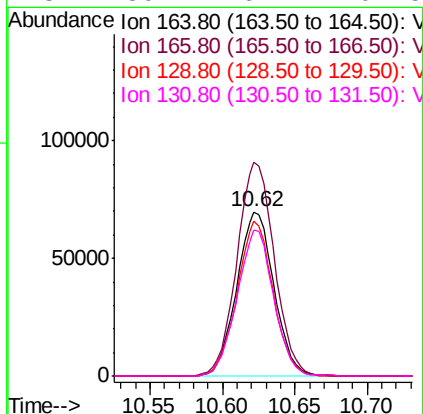
Manual Integrations
APPROVED

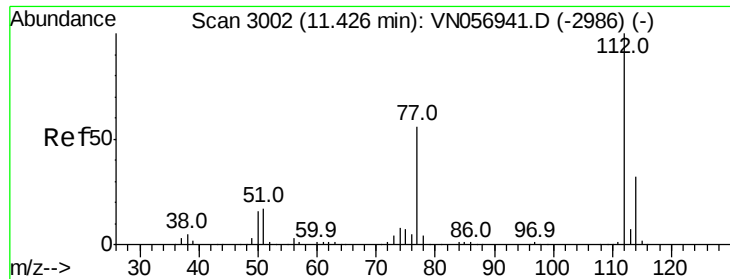
MMDadoda
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#64
Tetrachloroethene
Concen: 19.022 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.1	151.7
129	94.3	70.9	106.3
131	89.2	67.7	101.5





#65

Chlorobenzene

Concen: 19.619 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:112 Resp: 303450

Ion Ratio Lower Upper

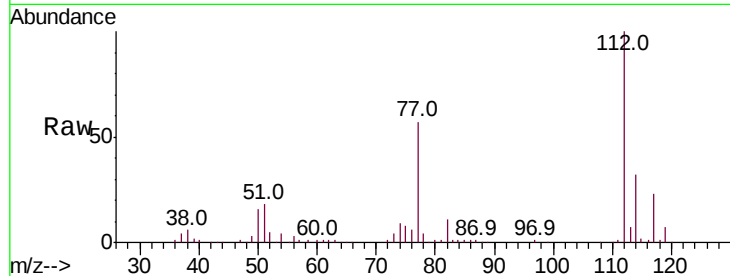
112 100

114 32.3 26.0 39.0

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

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

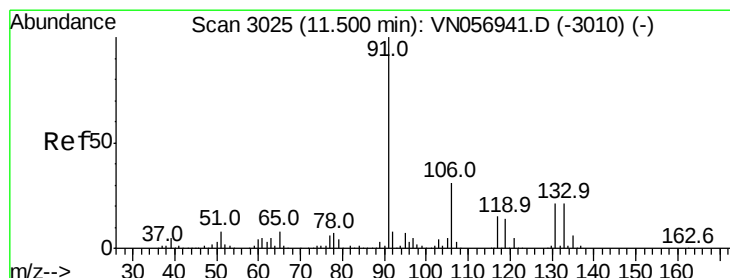
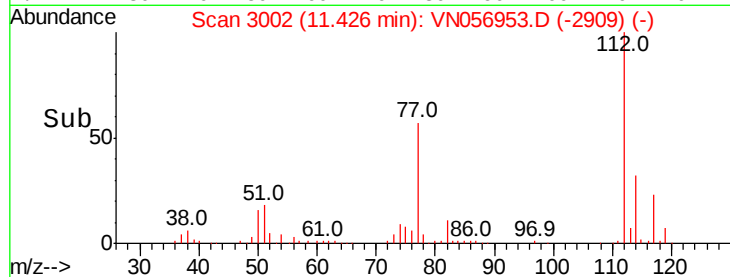
50000

0

11.43

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.994 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

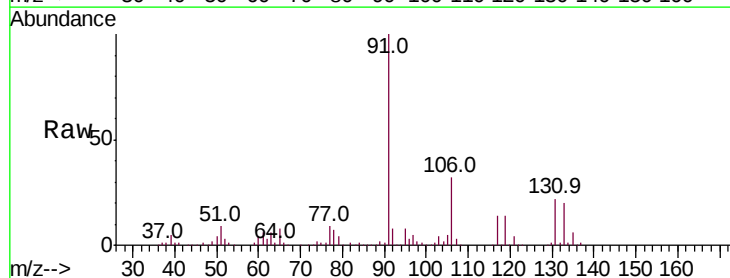
Tgt Ion:131 Resp: 116401

Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.0

119 65.5 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

100000

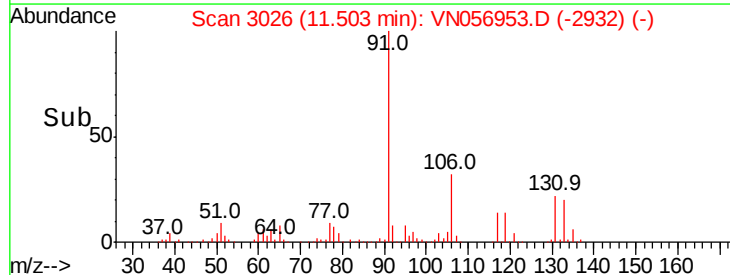
50000

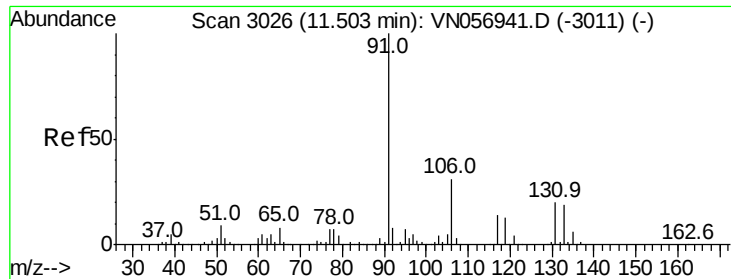
0

11.50

11.45 11.55

Time-->





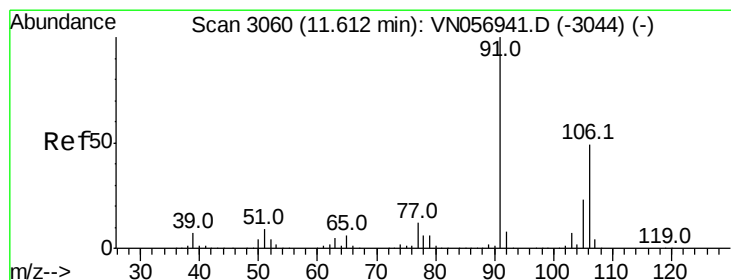
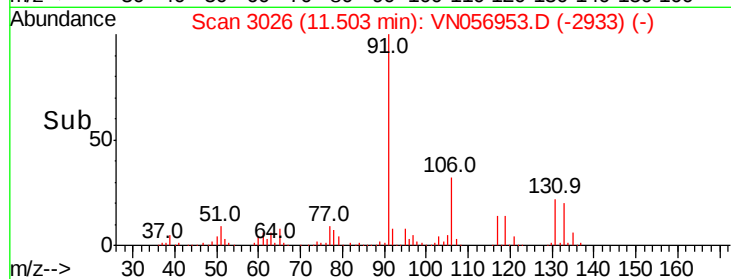
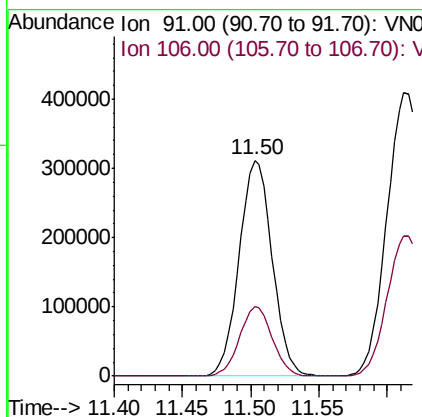
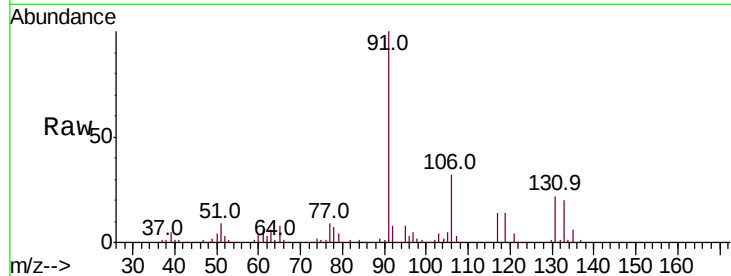
#67
Ethyl Benzene
Concen: 19.629 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 91 Resp: 524734
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

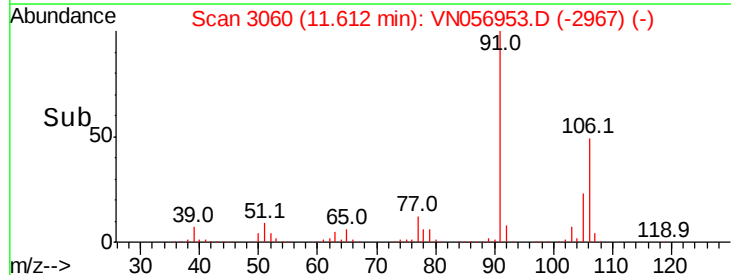
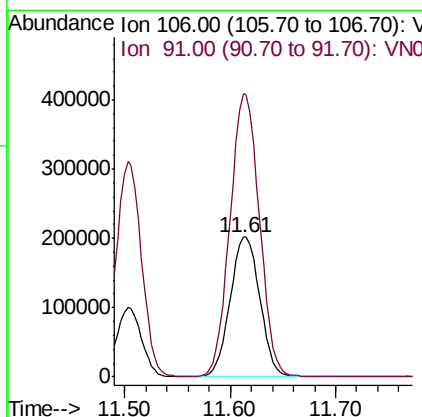
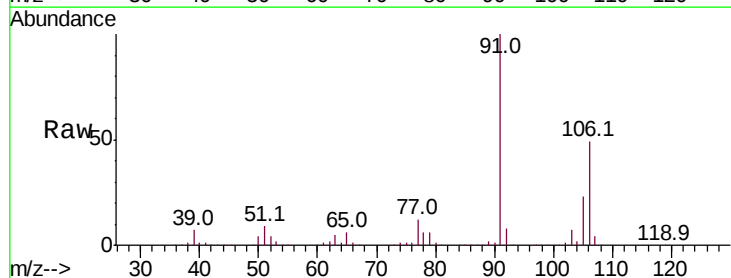
Manual Integrations
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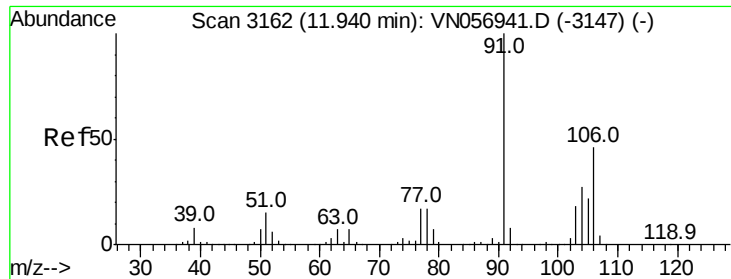
MMDadoda
7/31/2019 11:47:00 AM



#68
m/p-Xylenes
Concen: 39.825 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion: 106 Resp: 392906
Ion Ratio Lower Upper
106 100
91 200.7 160.0 240.0





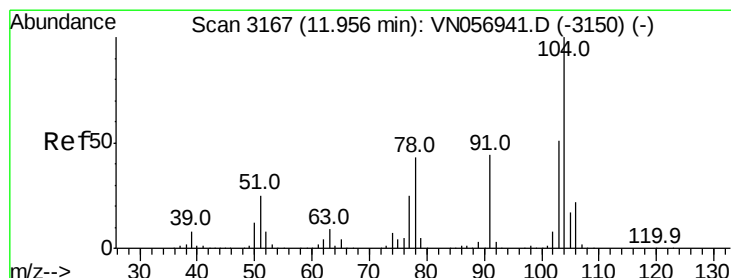
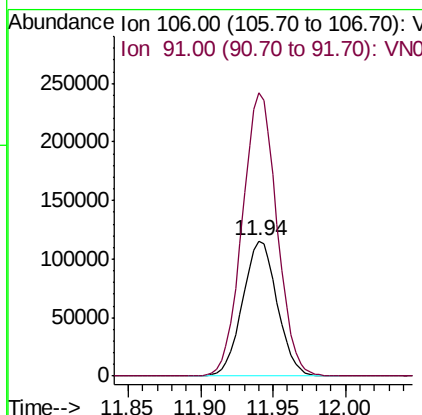
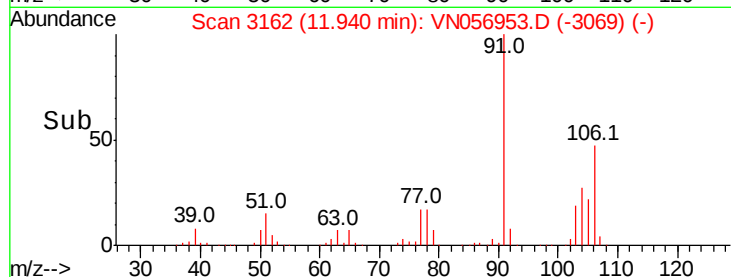
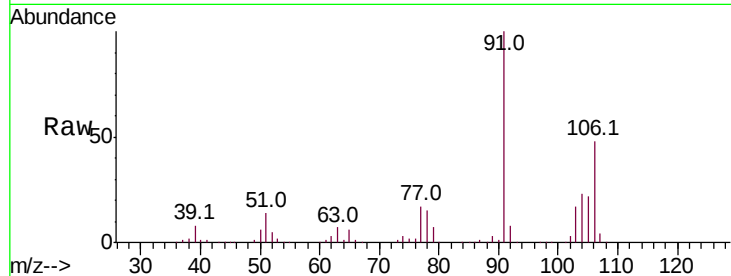
#69
o-Xylene
Concen: 19.906 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion:106 Resp: 192138
Ion Ratio Lower Upper
106 100
91 209.0 106.2 318.6

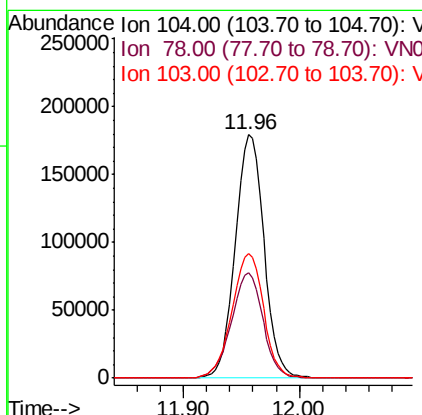
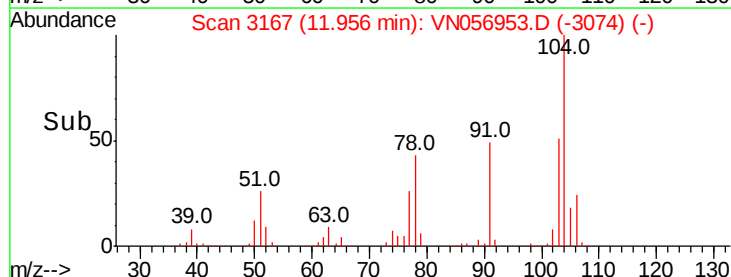
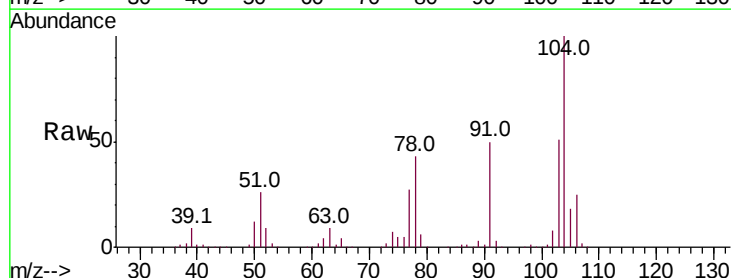
Manual Integrations
APPROVED

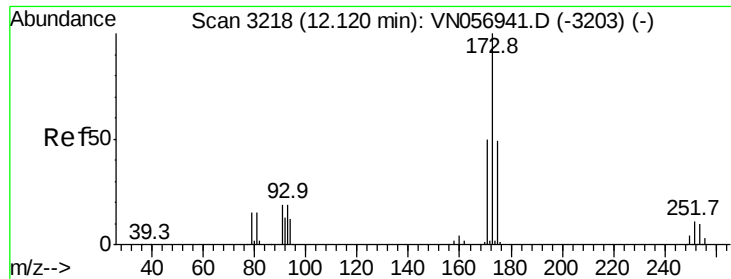
MMDadoda
7/31/2019 11:47:00 AM



#70
Styrene
Concen: 19.324 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion:104 Resp: 309385
Ion Ratio Lower Upper
104 100
78 47.5 38.1 57.1
103 56.0 44.3 66.5





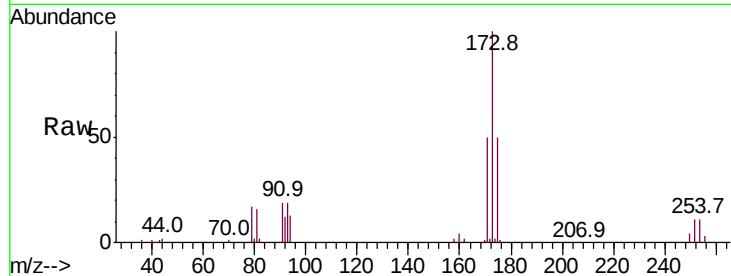
#71
Bromoform
Concen: 19.808 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
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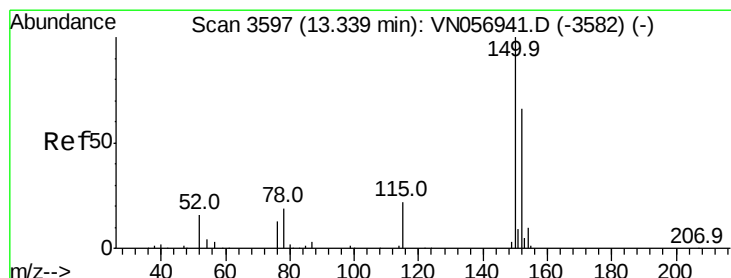
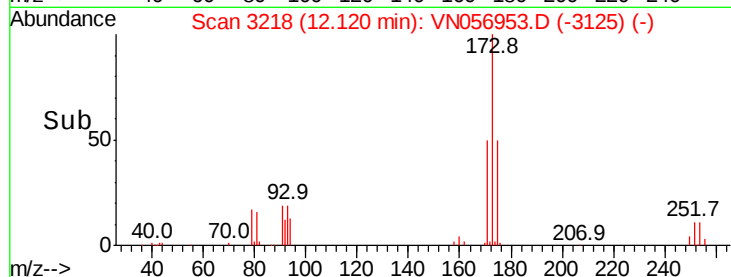
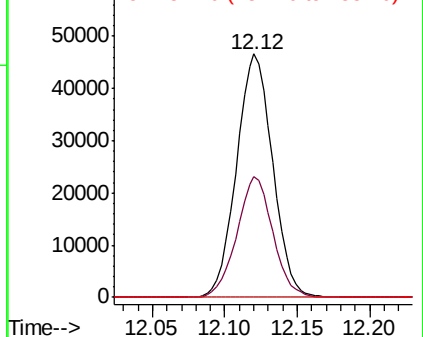


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

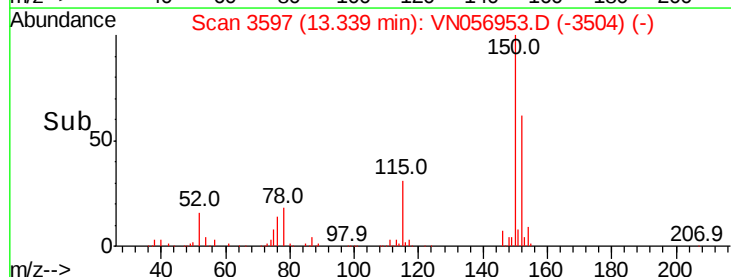
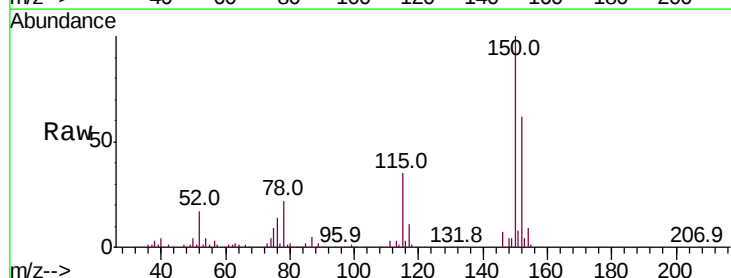
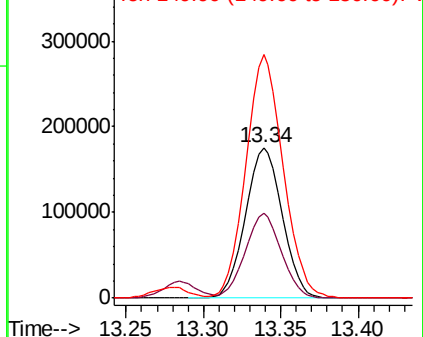
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.6
150	164.6	0.0	349.4

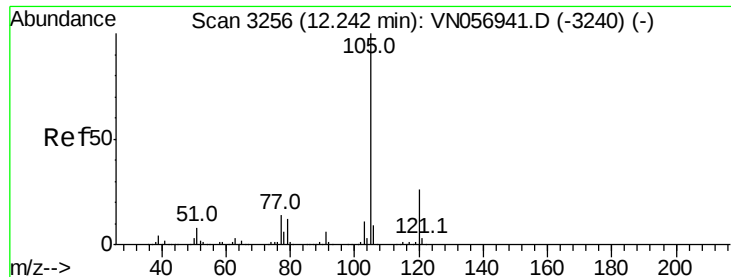
Abundance

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: 20.338 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:105 Resp: 510693

Ion Ratio Lower Upper

105 100

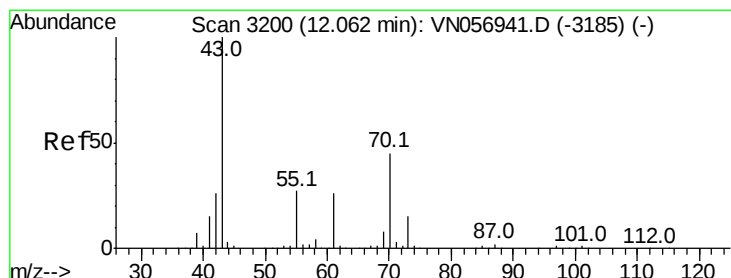
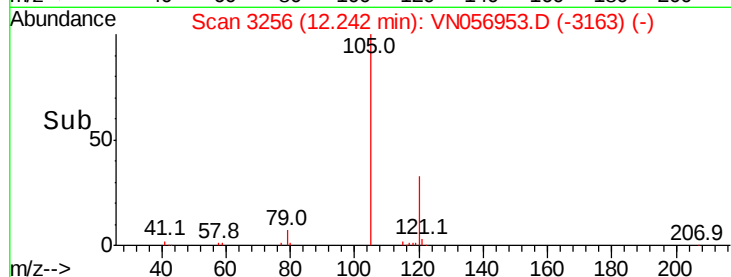
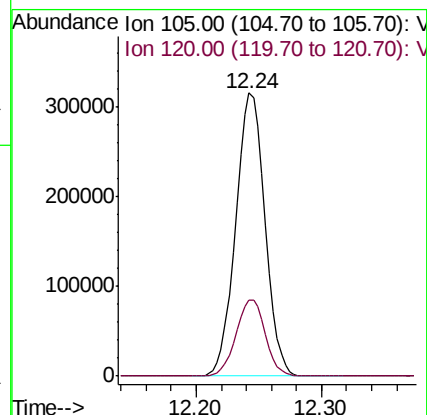
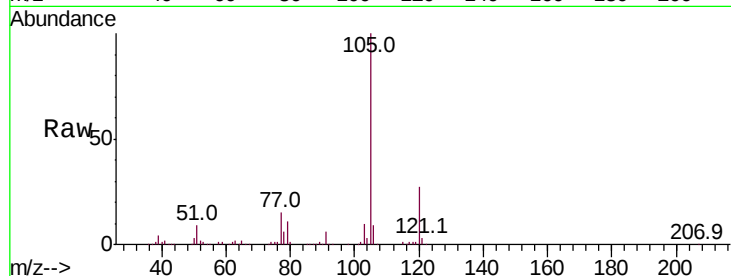
120 27.0 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.075 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion: 43 Resp: 146365

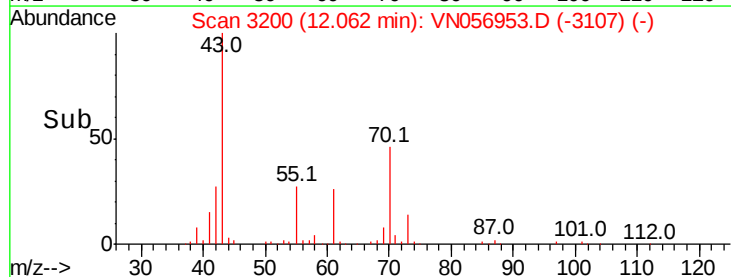
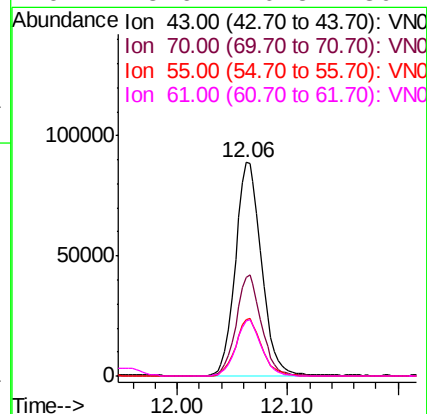
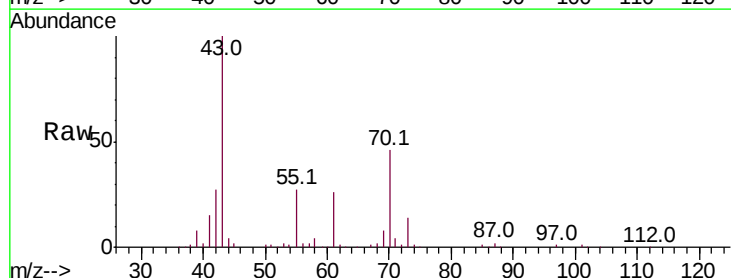
Ion Ratio Lower Upper

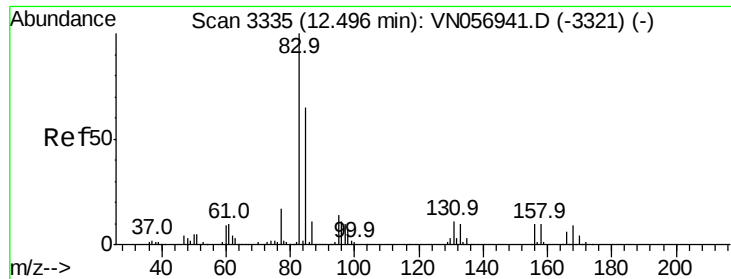
43 100

70 45.4 36.5 54.7

55 26.4 21.4 32.0

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.253 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

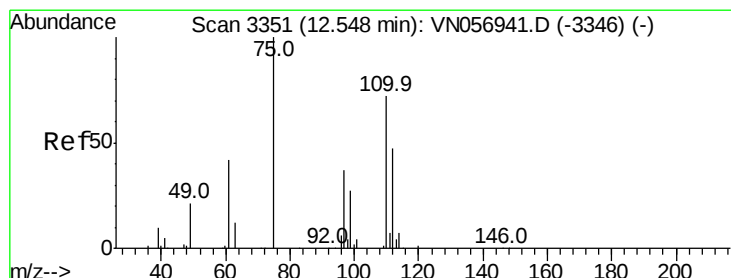
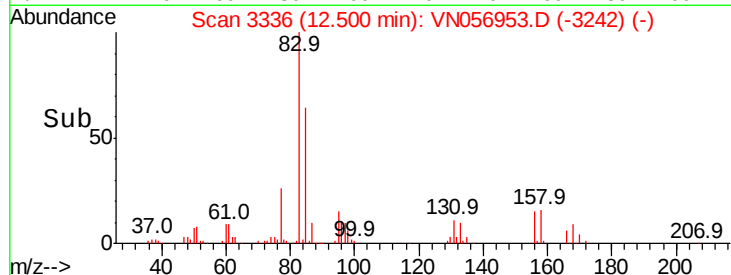
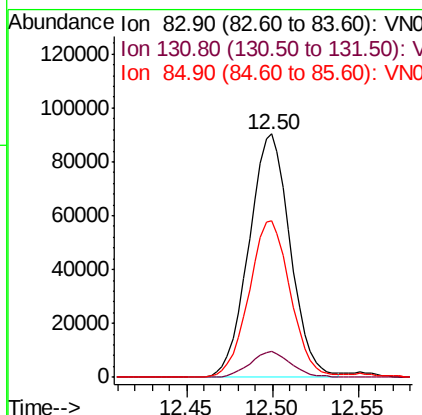
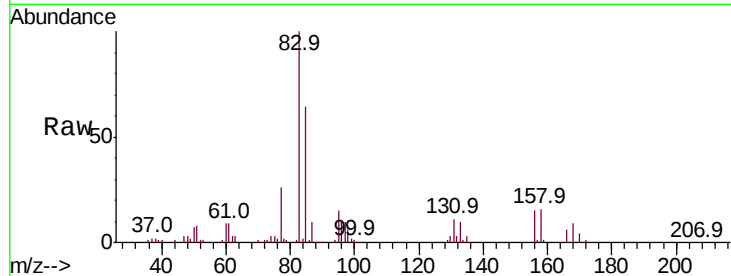
ClientSampleId :

VN0727WBSD01

Tot Ion:	83	Resp:	150231
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.6	32.5	97.4

Manual Integrations
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7/31/2019 11:47:00 AM



#76

1,2,3-Trichloropropane

Concen: 19.584 ug/l m

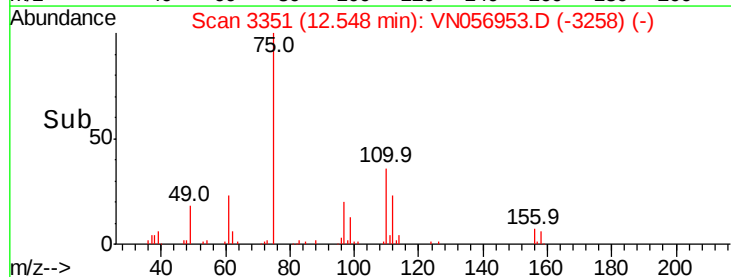
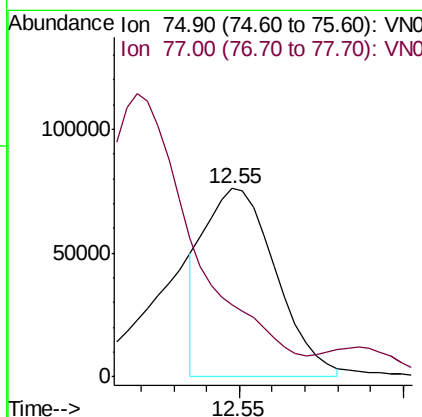
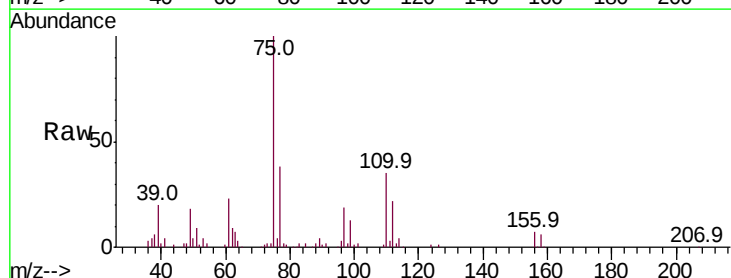
RT: 12.55 min Scan# 3351

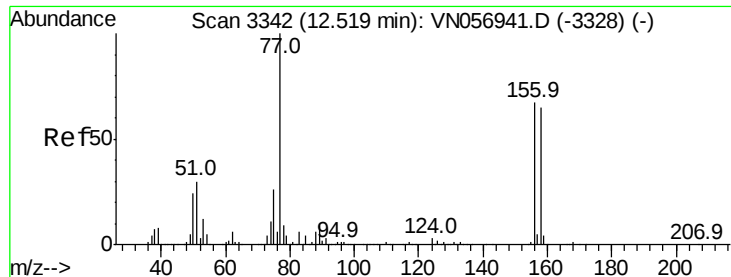
Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	75	Resp:	115555
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.061 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

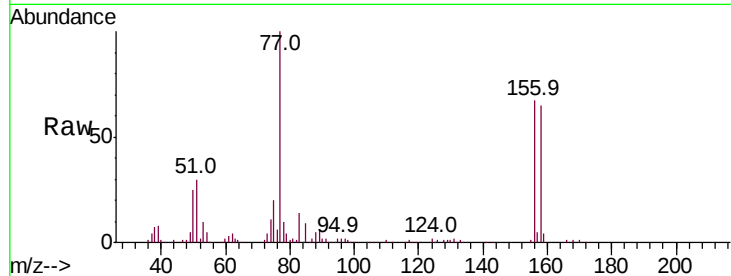
ClientSampleId :

VN0727WBSD01

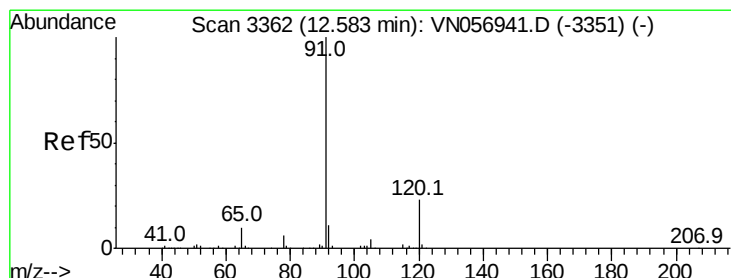
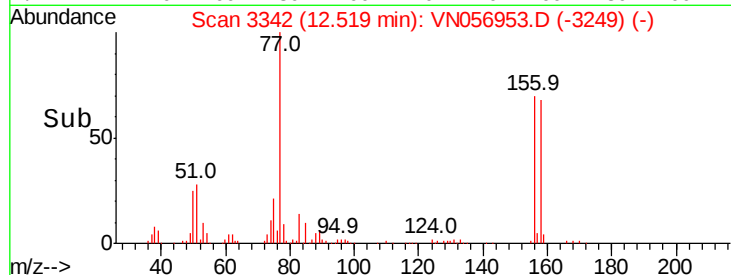
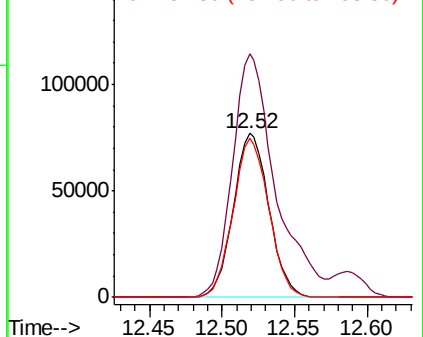
Tot Ion:	156	Resp:	131473
Ion Ratio	Lower	Upper	
156	100		
77	179.5	89.5	268.5
158	97.1	48.4	145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.233 ug/l

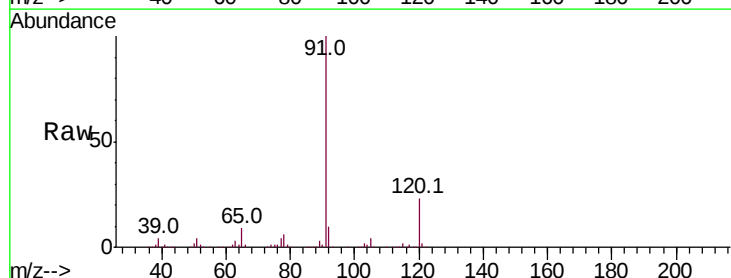
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

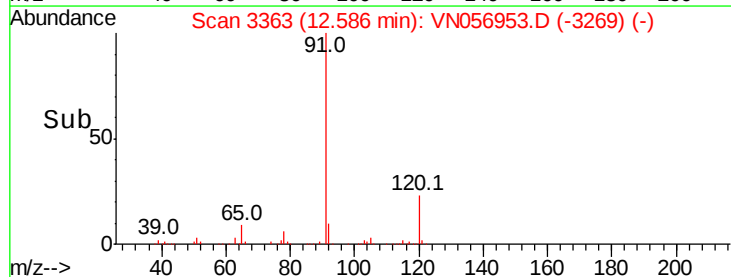
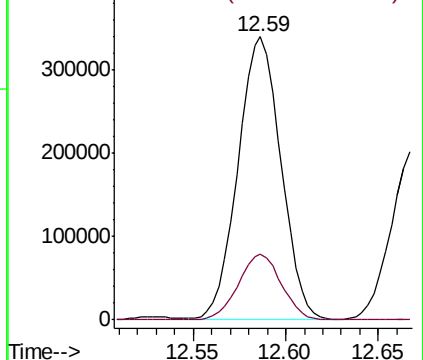
Lab File: VN056953.D

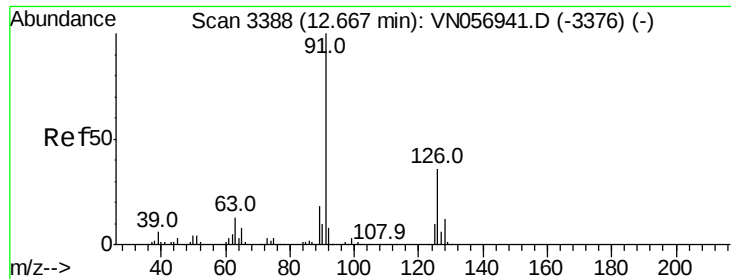
Acq: 26 Jul 2019 20:06

Tgt Ion:	91	Resp:	542467
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.976 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampled :

VN0727WBSD01

Tot Ion: 91 Resp: 329777

Ion Ratio Lower Upper

91 100

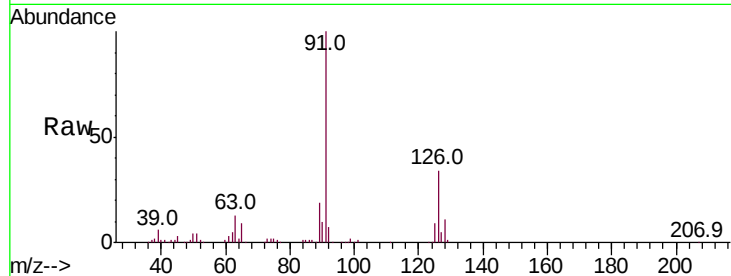
126 35.5 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

300000

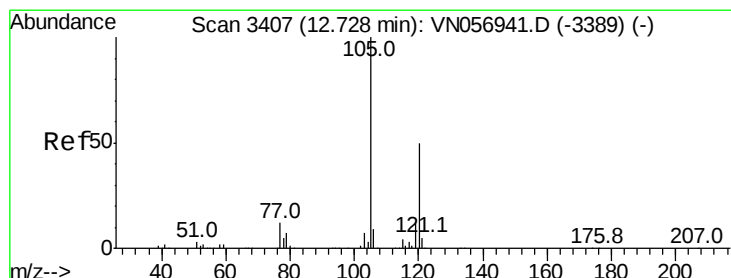
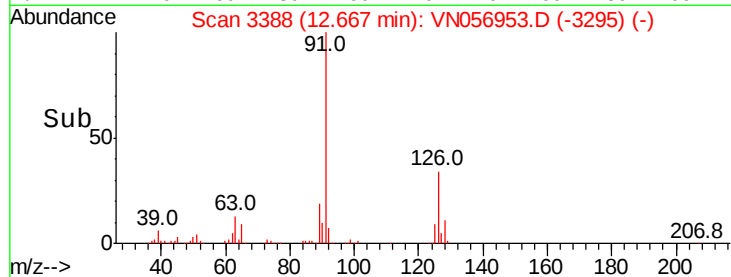
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.313 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056953.D

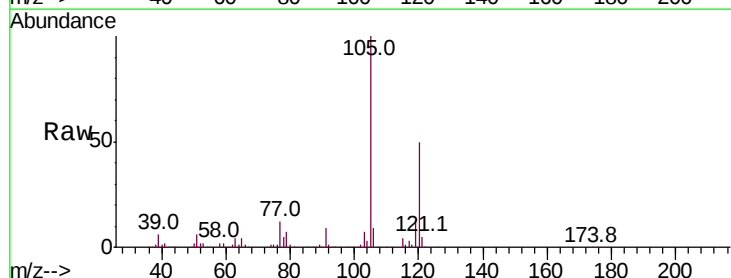
Acq: 26 Jul 2019 20:06

Tgt Ion:105 Resp: 418630

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

300000

250000

200000

150000

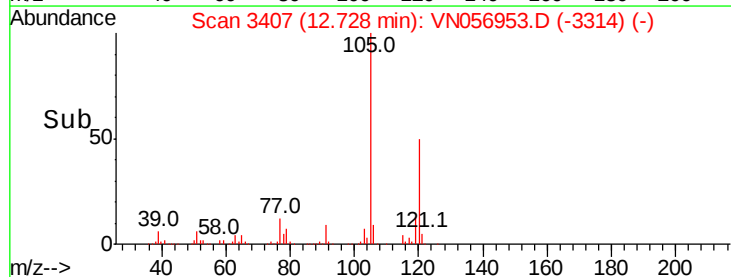
100000

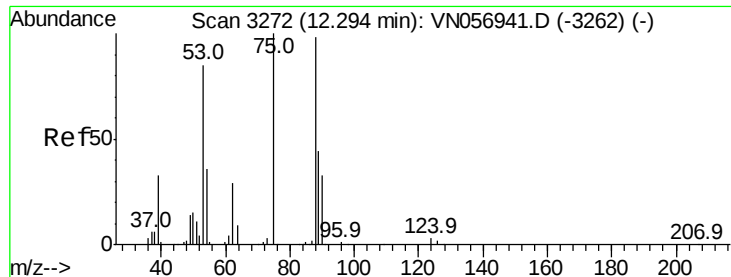
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.899 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 75 Resp: 34707

Ion Ratio Lower Upper

75 100

53 93.8 69.3 103.9

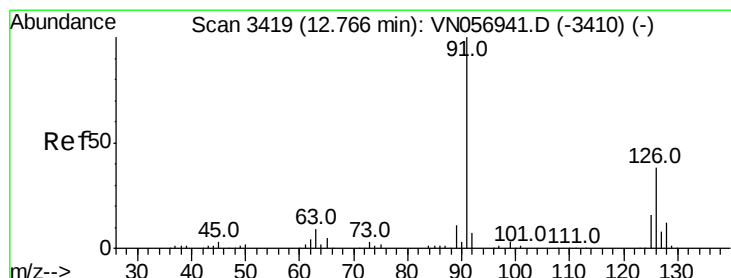
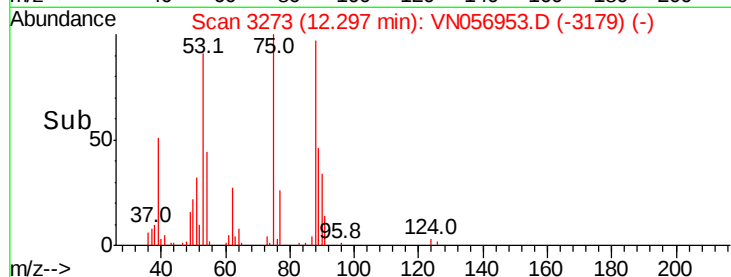
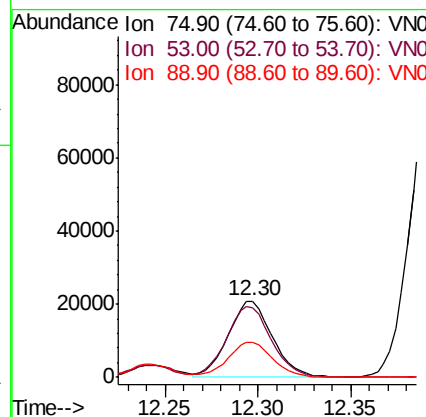
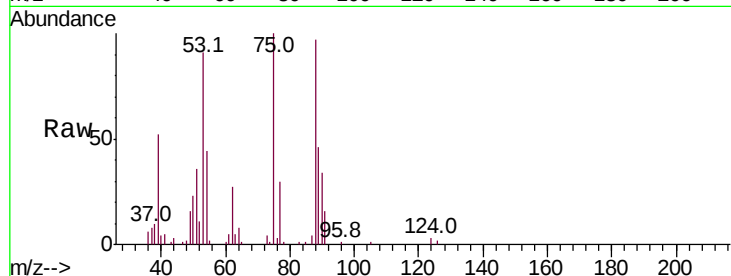
89 46.7 35.8 53.6

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#82

4-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056953.D

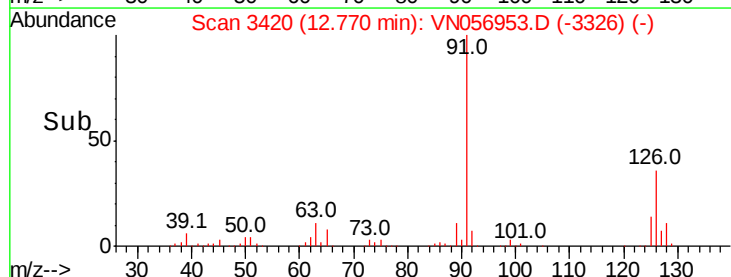
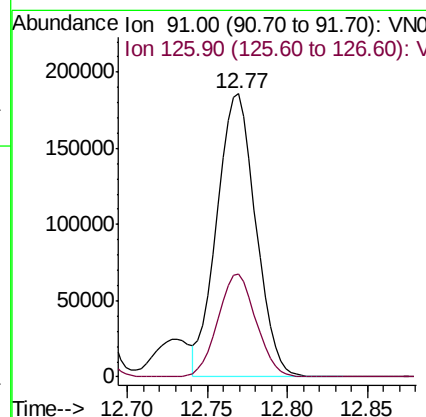
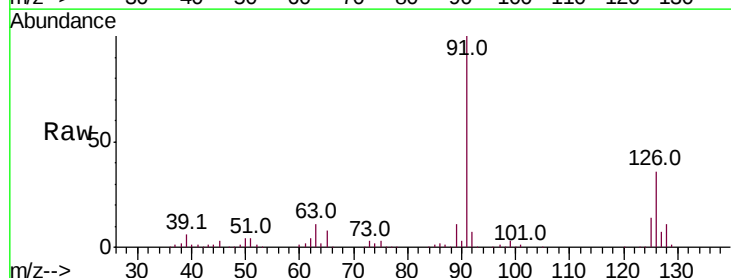
Acq: 26 Jul 2019 20:06

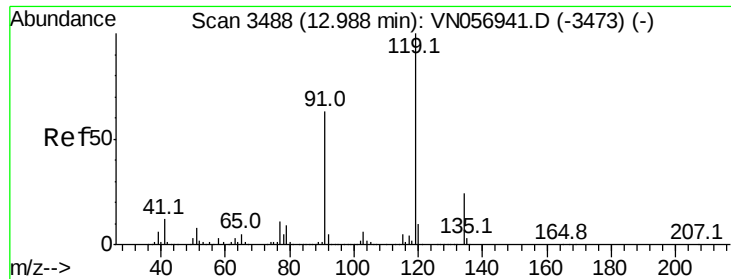
Tgt Ion: 91 Resp: 311488

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.5





#83

tert-Butylbenzene

Concen: 20.048 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

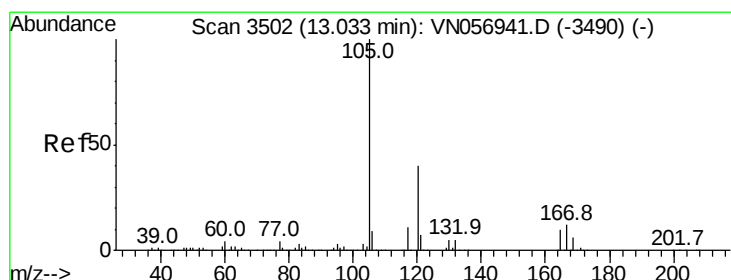
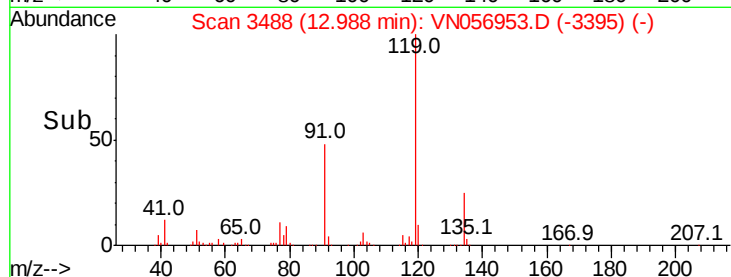
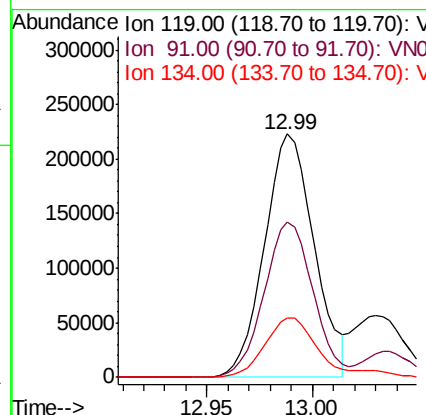
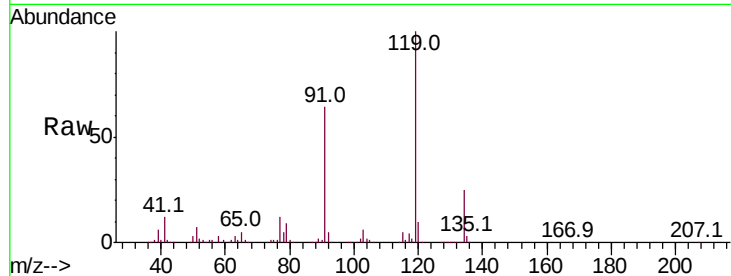
ClientSampleId :

VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.3	93.8
134	27.0	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 20.838 ug/l

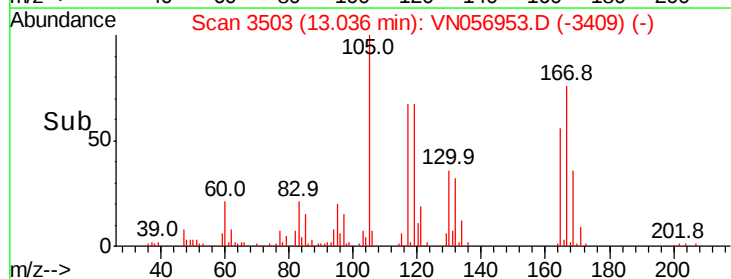
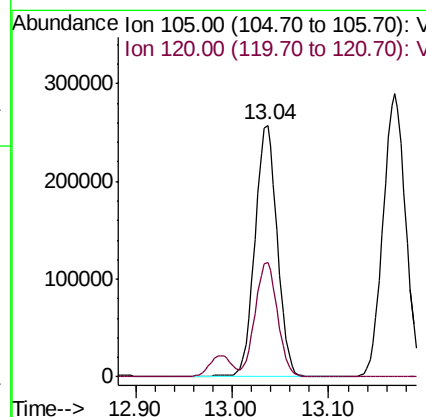
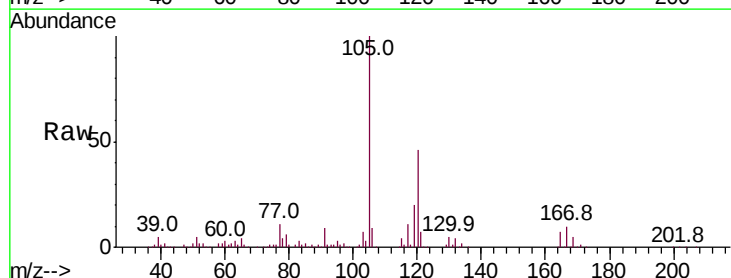
RT: 13.04 min Scan# 3503

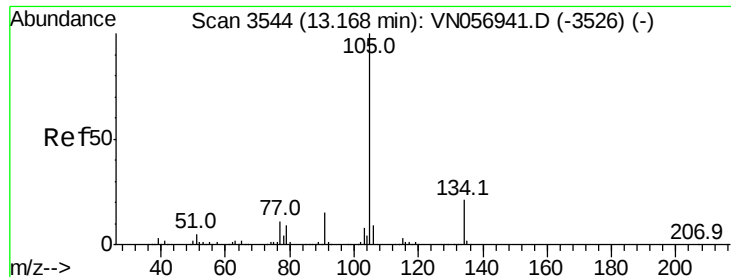
Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.854 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:105 Resp: 467209

Ion Ratio Lower Upper

105 100

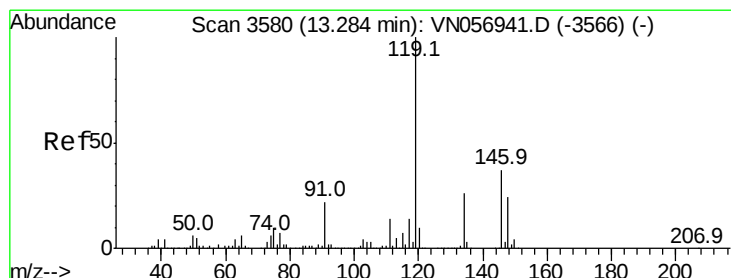
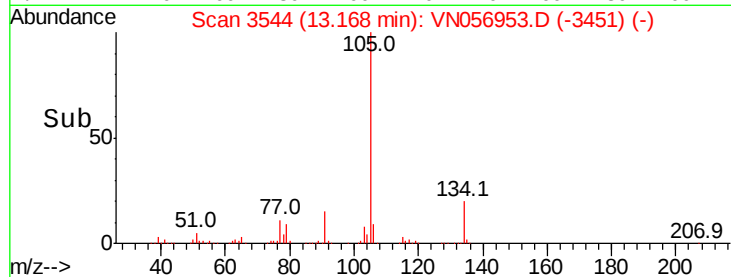
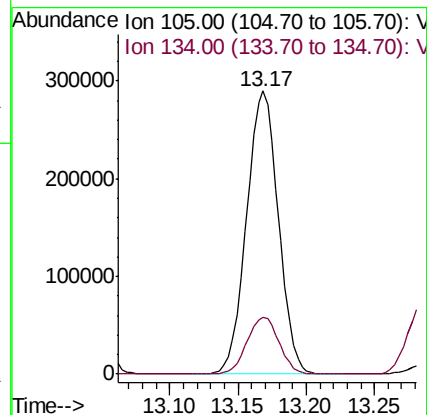
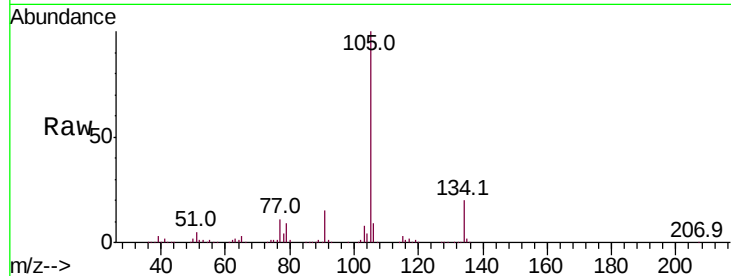
134 20.4 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 19.937 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

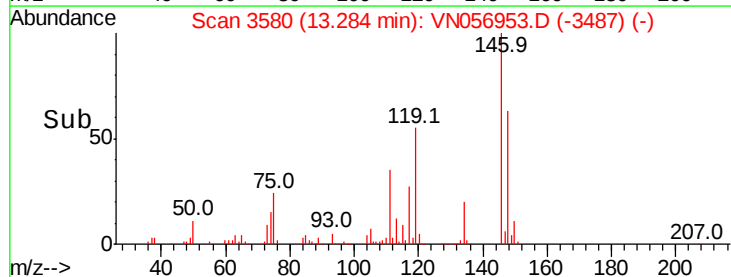
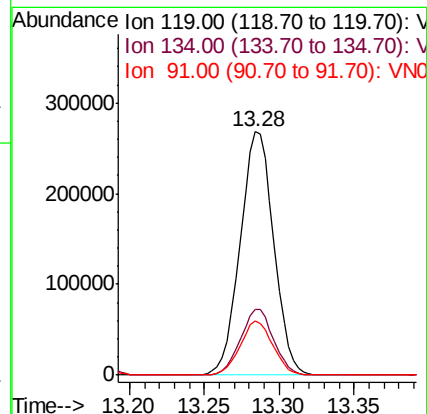
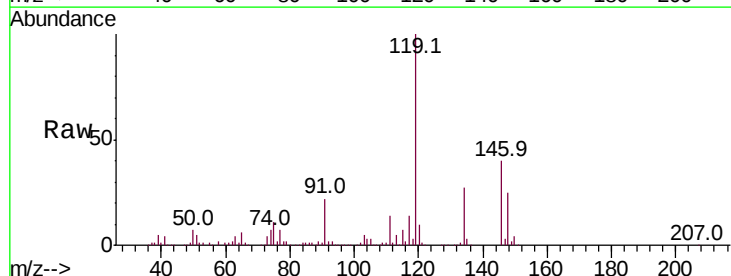
Tgt Ion:119 Resp: 416540

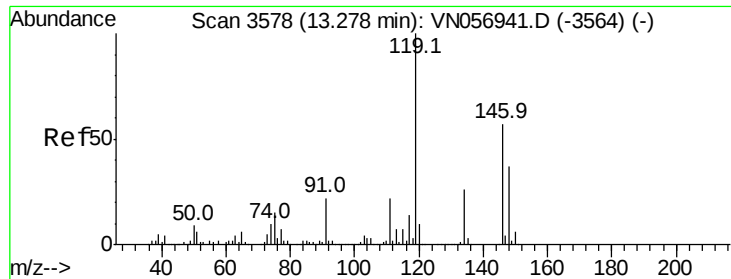
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.9 11.0 33.0





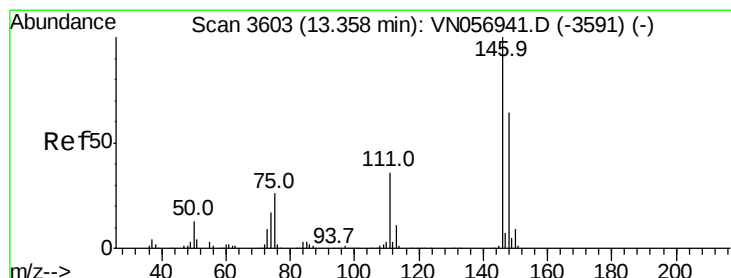
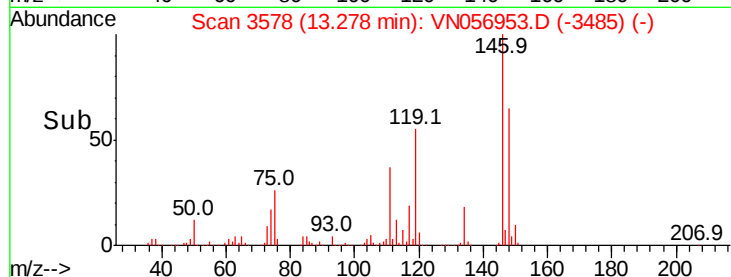
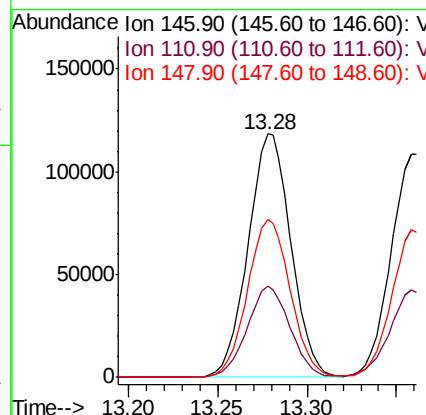
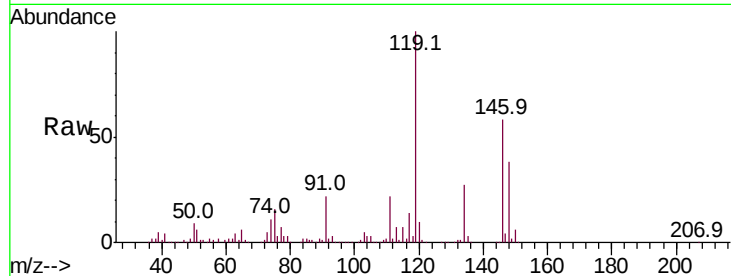
#87
 1,3-Dichlorobenzene
 Concen: 19.936 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198738		
111	37.3	18.6	55.8	
148	64.8	32.2	96.6	

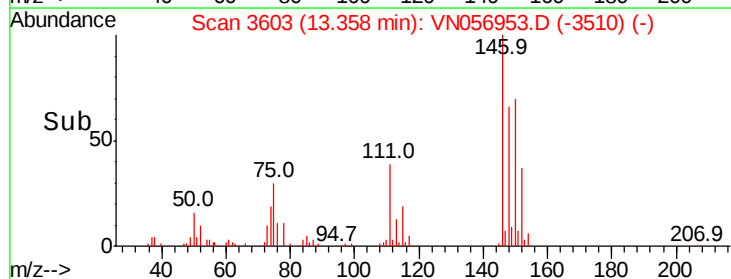
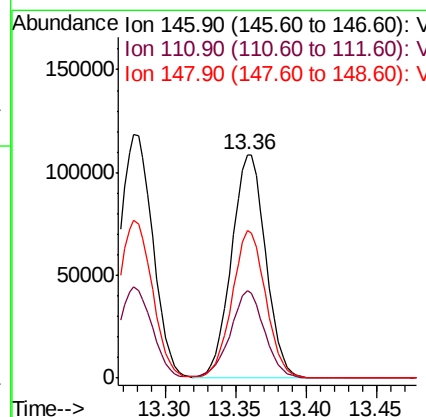
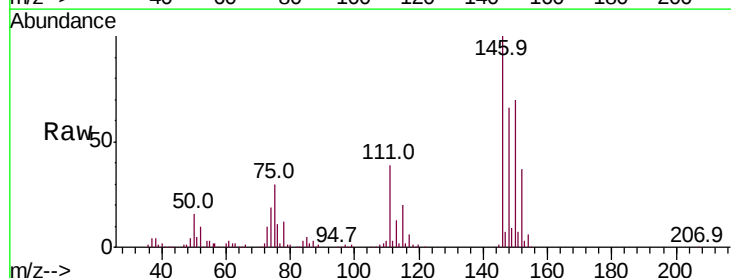
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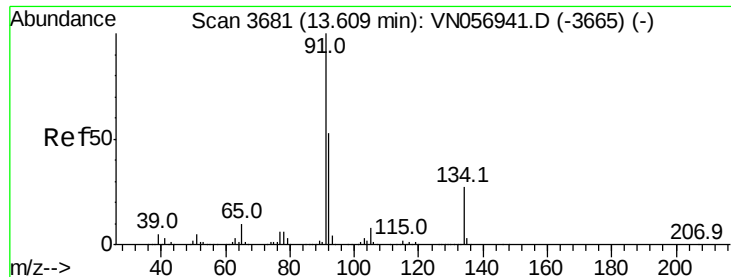
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#88
 1,4-Dichlorobenzene
 Concen: 19.245 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184687		
111	39.1	18.4	55.2	
148	65.0	32.3	96.9	





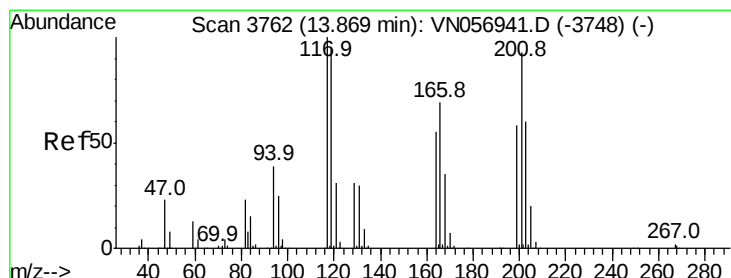
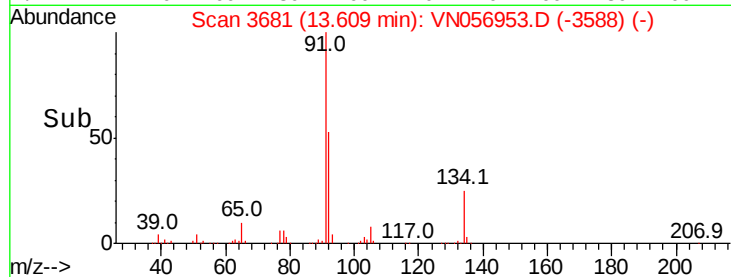
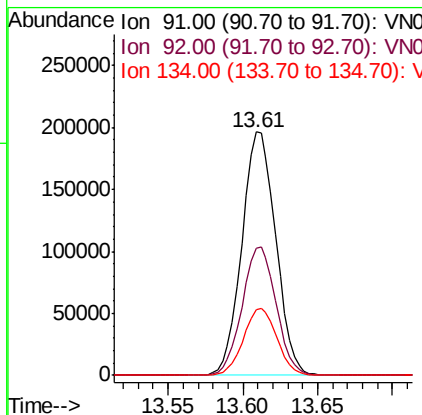
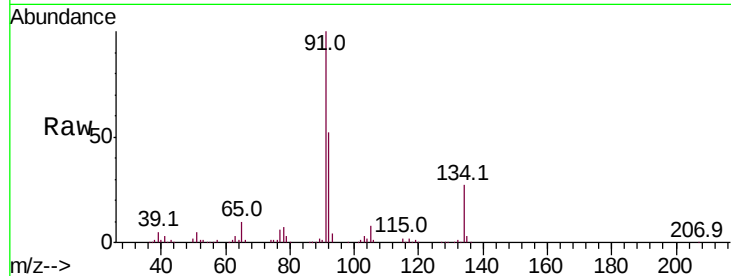
#89
n-Butylbenzene
Concen: 19.235 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	27.1	13.5	40.4

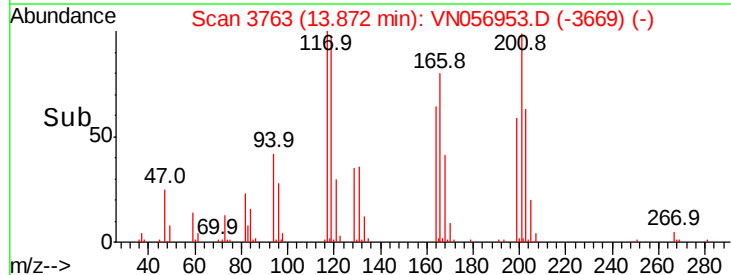
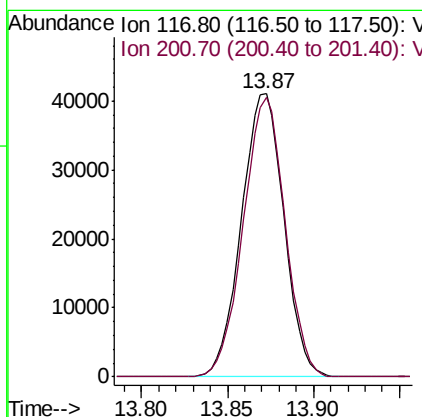
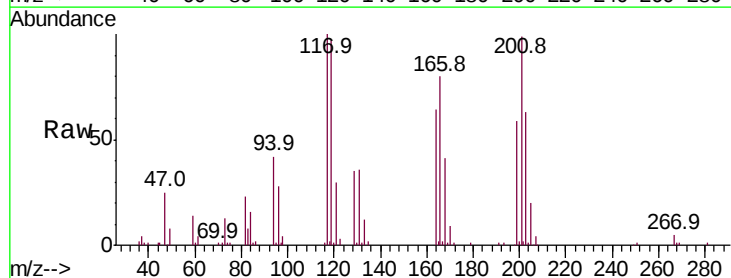
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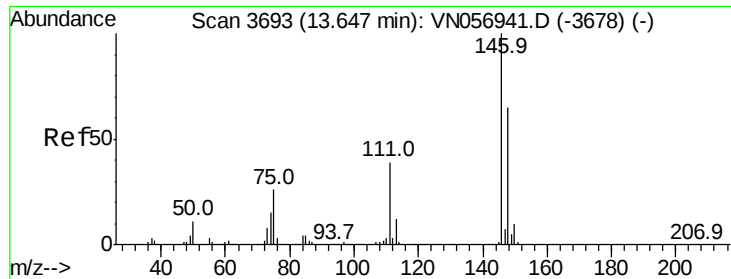
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#90
Hexachloroethane
Concen: 19.528 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056953.D
Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	47.0	141.2





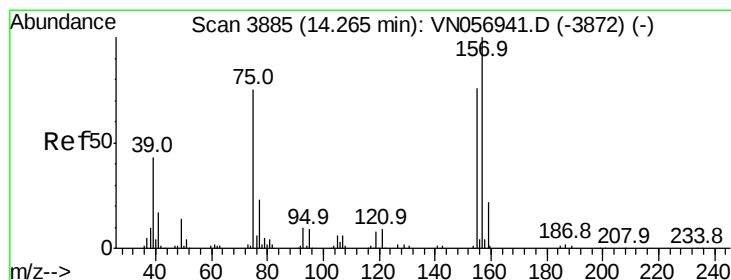
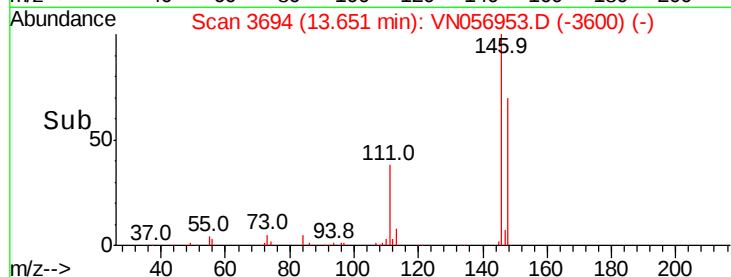
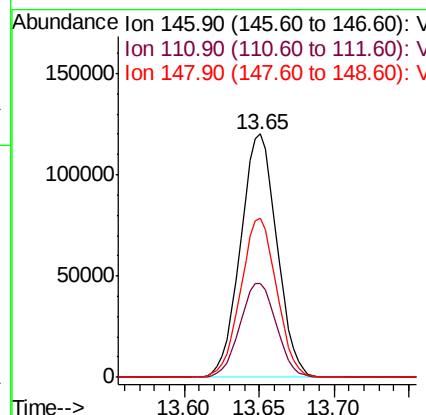
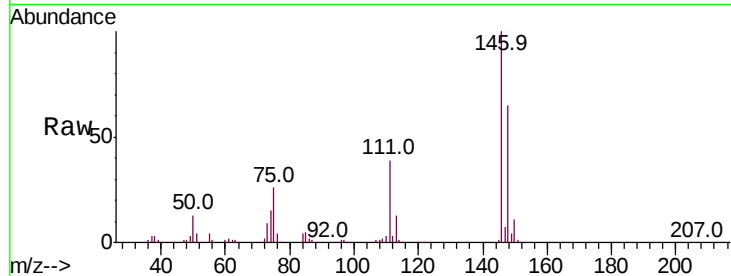
#91
 1,2-Dichlorobenzene
 Concen: 20.716 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	64.6	32.2	96.6

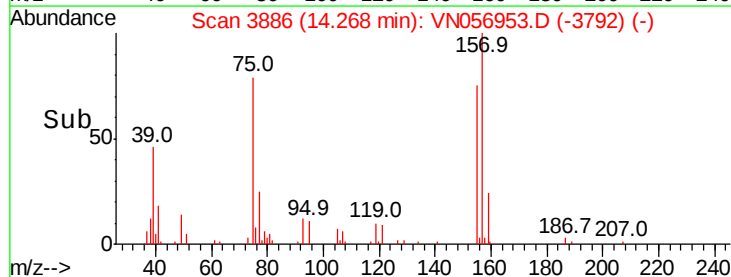
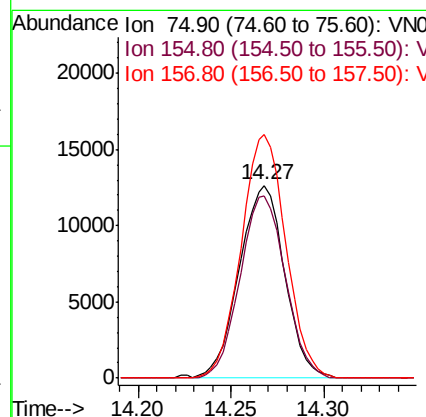
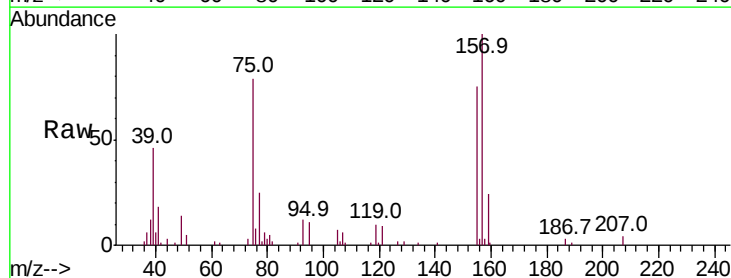
Manual Integrations
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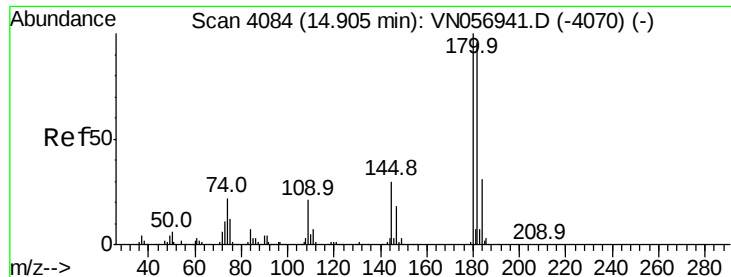
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 7/31/2019 11:47:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.448 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	50.2	150.6
157	124.6	65.1	195.4





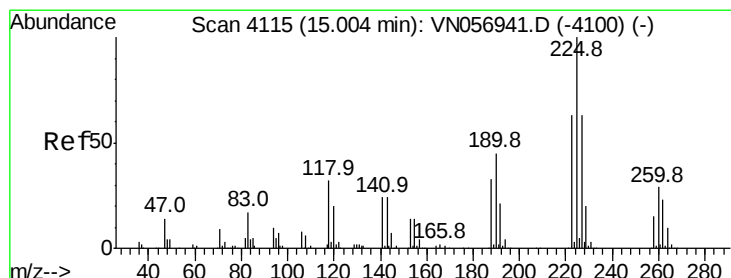
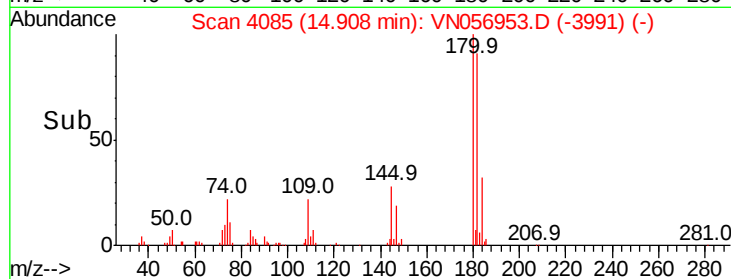
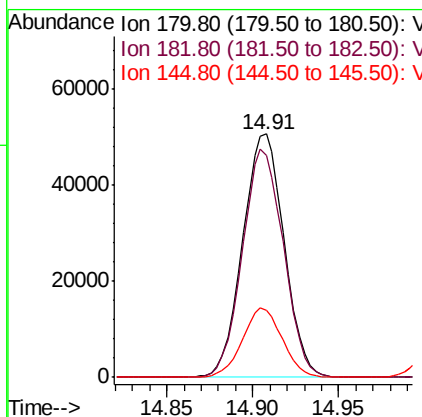
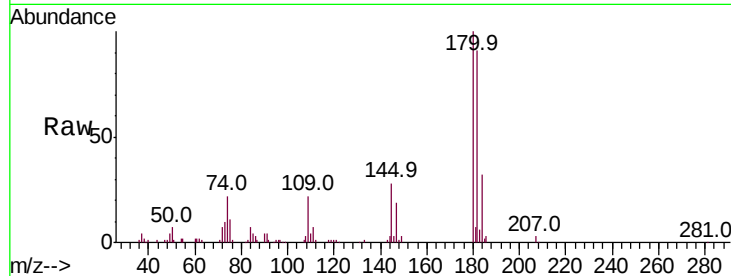
#93
 1,2,4-Trichlorobenzene
 Concen: 18.526 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.6	142.8
145	27.4	14.2	42.8

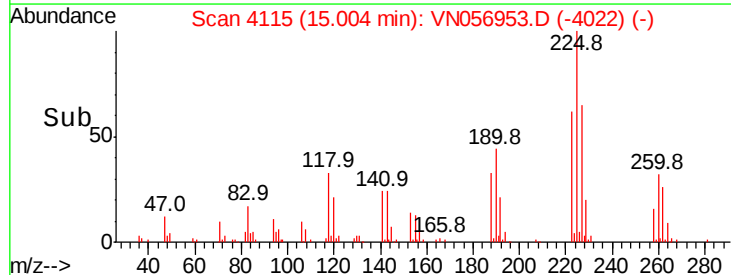
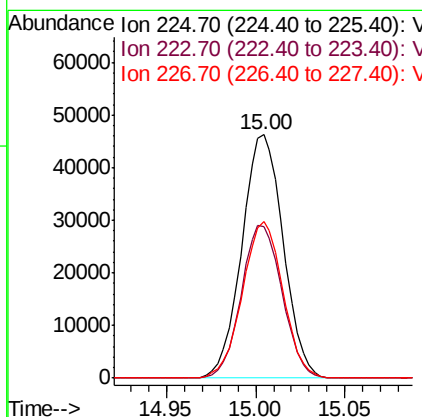
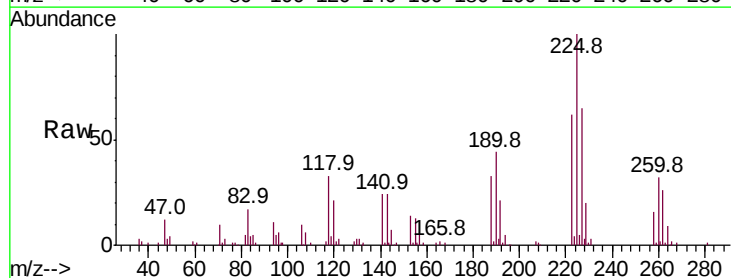
Manual Integrations
 APPROVED

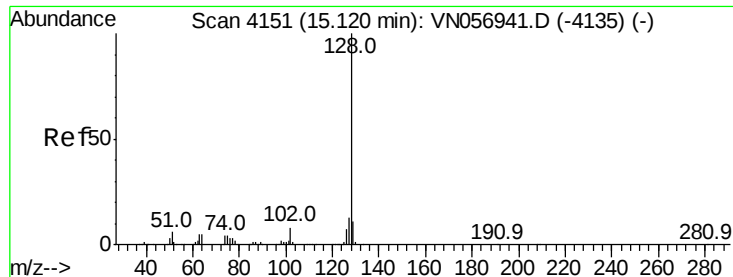
MMDadoda
 7/31/2019 11:47:00 AM



#94
 Hexachlorobutadiene
 Concen: 19.825 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056953.D
 Acq: 26 Jul 2019 20:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.8	92.4
227	63.1	31.1	93.5





#95

Naphthalene

Concen: 18.414 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Instrument :

MSVOA_N

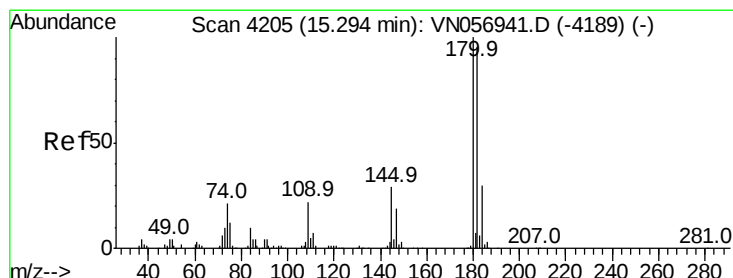
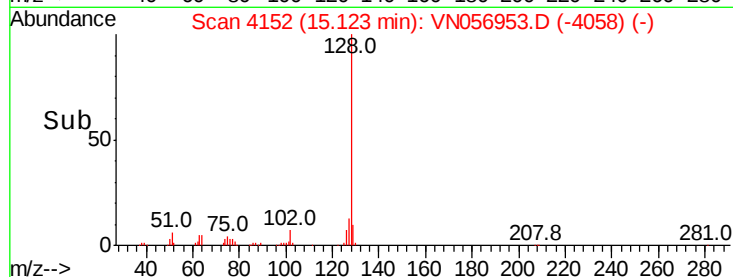
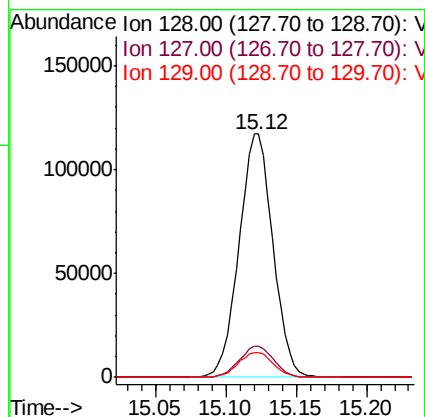
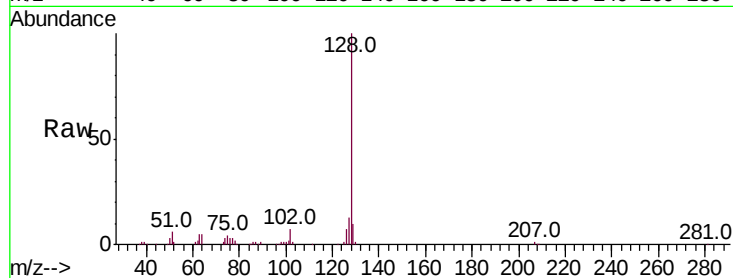
ClientSampleId :

VN0727WBSD01

Tot Ion:	128	Resp:	197171
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.6	8.7	13.1

Manual Integrations
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7/31/2019 11:47:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.457 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056953.D

Acq: 26 Jul 2019 20:06

Tgt Ion:	180	Resp:	92840
Ion Ratio	Lower	Upper	
180	100		
182	92.8	48.0	144.2
145	29.7	15.0	45.0

