

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054161.D
 Acq On : 12 Mar 2019 11:47
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:17 AM

Quant Time: Mar 13 03:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1641997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2432625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2194633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1101153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1709785	98.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.10%	
35) Dibromofluoromethane	7.59	113	1575178	100.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.80%	
50) Toluene-d8	10.09	98	5898013	101.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.58%	
62) 4-Bromofluorobenzene	12.40	95	2132815	105.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	1593206	102.378	ug/l 98
3) Chloromethane	2.06	50	1437466	95.093	ug/l 99
4) Vinyl Chloride	2.19	62	1651425	95.582	ug/l 100
5) Bromomethane	2.56	94	1082450	90.458	ug/l 98
6) Chloroethane	2.71	64	944382	90.339	ug/l 100
7) Trichlorofluoromethane	3.02	101	2084026	90.723	ug/l 99
8) Diethyl Ether	3.41	74	1037736	99.134	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1705698	99.089	ug/l 99
10) Methyl Iodide	3.94	142	2532377	101.986	ug/l 99
11) Tert butyl alcohol	4.81	59	602435	501.900	ug/l 99
12) 1,1-Dichloroethene	3.73	96	1692541	99.220	ug/l 99
13) Acrolein	3.61	56	588661	519.653	ug/l 99
14) Allyl chloride	4.32	41	2260590	103.286	ug/l 100
15) Acrylonitrile	4.99	53	2539795	517.210	ug/l 99
16) Acetone	3.82	43	2246774	449.992	ug/l 98
17) Carbon Disulfide	4.04	76	4539495	106.155	ug/l 99
18) Methyl Acetate	4.33	43	1078397	106.756	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	4324730	102.281	ug/l 99
20) Methylene Chloride	4.54	84	1606528	97.992	ug/l 99
21) trans-1,2-Dichloroethene	5.03	96	1636809	100.145	ug/l 97
22) Diisopropyl ether	5.96	45	4549107	104.142	ug/l 97
23) Vinyl Acetate	5.90	43	17399832	540.250	ug/l 100
24) 1,1-Dichloroethane	5.85	63	2816996	100.437	ug/l 99
25) 2-Butanone	6.84	43	3084752	526.395	ug/l 99
26) 2,2-Dichloropropane	6.82	77	2513543	101.908	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	1859747	101.994	ug/l 100
28) Bromochloromethane	7.19	49	1134120	98.911	ug/l 99
29) Tetrahydrofuran	7.22	42	1934681	513.469	ug/l 100
30) Chloroform	7.37	83	2969976	101.478	ug/l 99
31) Cyclohexane	7.65	56	2586272	99.854	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	2700382	102.163	ug/l 100
36) 1,1-Dichloropropene	7.79	75	2322033	103.651	ug/l 100
37) Ethyl Acetate	6.94	43	1343188	101.623	ug/l 99
38) Carbon Tetrachloride	7.77	117	2454725	104.488	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2869552	104.107	ug/l	99
40) Benzene	8.04	78	6652566	103.773	ug/l	99
41) Methacrylonitrile	7.18	41	783737	110.887	ug/l	98
42) 1,2-Dichloroethane	8.12	62	2228281	102.954	ug/l	100
43) Isopropyl Acetate	8.17	43	2480985	109.806	ug/l	99
44) Trichloroethene	8.83	130	2033639	102.118	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1664697	104.578	ug/l	99
46) Dibromomethane	9.21	93	1106347	102.865	ug/l	99
47) Bromodichloromethane	9.40	83	2312313	107.242	ug/l	99
48) Methyl methacrylate	9.20	41	1242827	108.391	ug/l	98
49) 1,4-Dioxane	9.20	88	343724	2119.299	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	6610483	552.856	ug/l	99
52) Toluene	10.16	92	4293916	105.637	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2507109	99.610	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2749310	109.421	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1549373	104.391	ug/l	99
56) Ethyl methacrylate	10.43	69	1987602	112.311	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2557999	105.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3810248	479.688	ug/l	99
59) 2-Hexanone	10.75	43	4413220	554.694	ug/l	99
60) Dibromochloromethane	10.90	129	1889799	113.123	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1621840	107.529	ug/l	100
64) Tetrachloroethene	10.63	164	2012839	94.861	ug/l	99
65) Chlorobenzene	11.43	112	4953208	102.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1865892	106.589	ug/l	99
67) Ethyl Benzene	11.51	91	8249002	103.267	ug/l	100
68) m/p-Xylenes	11.62	106	6491686	207.928	ug/l	100
69) o-Xylene	11.95	106	3155206	103.670	ug/l	100
70) Styrene	11.96	104	5198473	108.909	ug/l	100
71) Bromoform	12.13	173	1355018	99.120	ug/l #	100
73) Isopropylbenzene	12.25	105	8354645	94.832	ug/l	100
74) N-amyl acetate	12.07	43	2097575	107.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1839492	98.002	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1575997m	96.060	ug/l	
77) Bromobenzene	12.53	156	2280925	97.842	ug/l	99
78) n-propylbenzene	12.59	91	9389947	98.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	5529554	96.204	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	7041115	96.085	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	542921	98.925	ug/l	96
82) 4-Chlorotoluene	12.77	91	5734742	99.921	ug/l	100
83) tert-Butylbenzene	12.99	119	6317987	93.669	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	7104330	98.821	ug/l	100
85) sec-Butylbenzene	13.17	105	8371435	95.703	ug/l	99
86) p-Isopropyltoluene	13.29	119	7547195	98.347	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	4013451	102.170	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3927197	101.750	ug/l	100
89) n-Butylbenzene	13.62	91	6255123	107.277	ug/l	100
90) Hexachloroethane	13.88	117	1334971	105.058	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	3814292	99.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	293986	101.216	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2340530	98.389	ug/l	99
94) Hexachlorobutadiene	15.01	225	1318073	90.111	ug/l	99
95) Naphthalene	15.13	128	4872395	97.353	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	2261016	110.814	ug/l	100

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

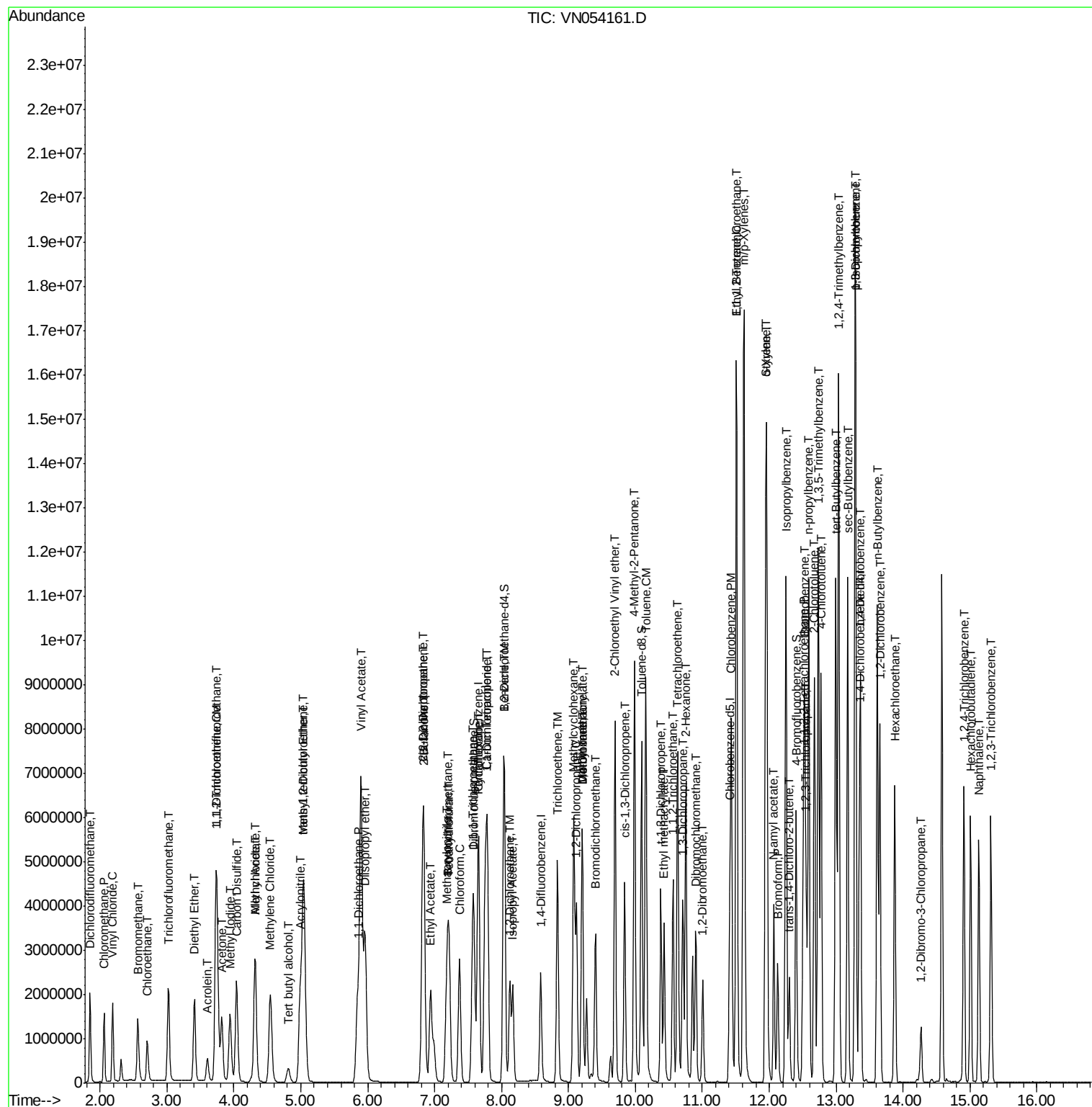
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054161.D
 Acq On : 12 Mar 2019 11:47
 Operator : JC/SP
 Sample : VSTDIC100
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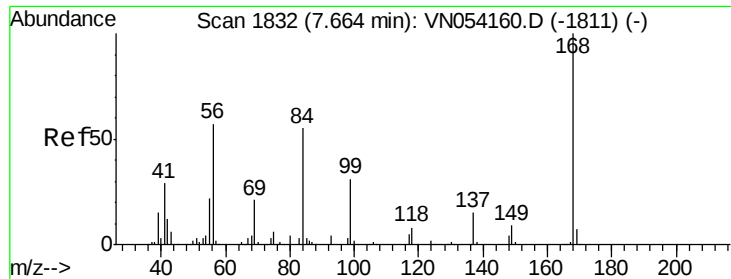
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 1641997

Ion Ratio Lower Upper

168 100

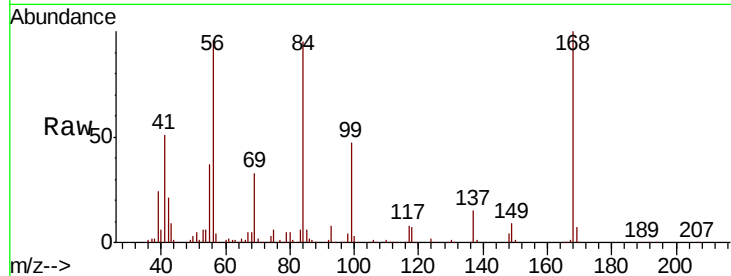
99 46.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

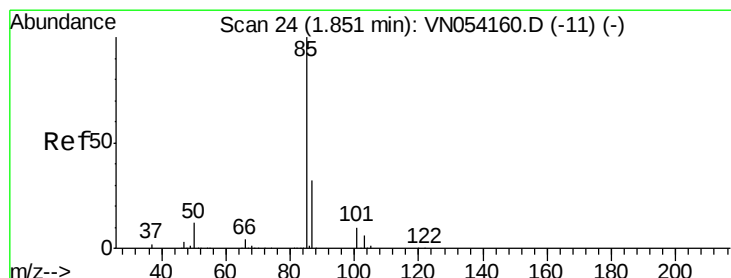
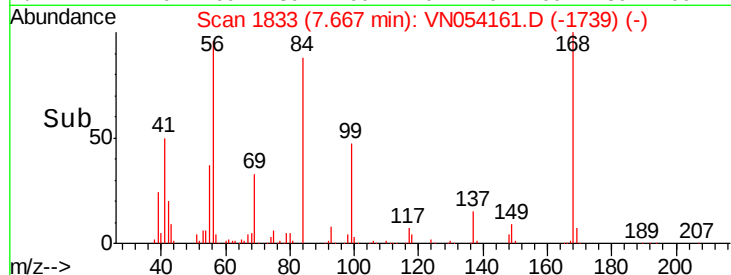
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 102.378 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054161.D

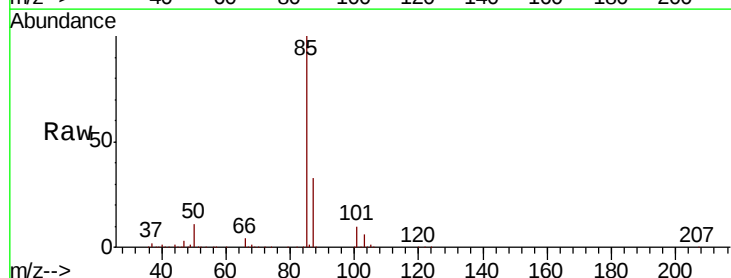
Acq: 12 Mar 2019 11:47

Tgt Ion: 85 Resp: 1593206

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

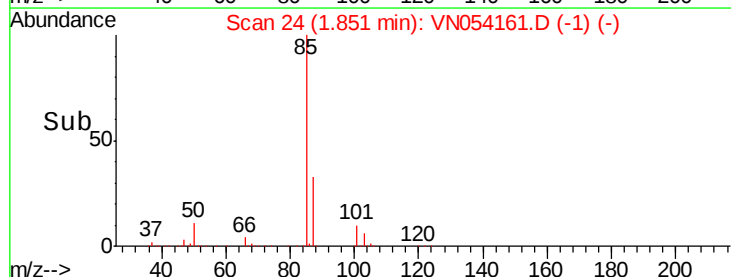
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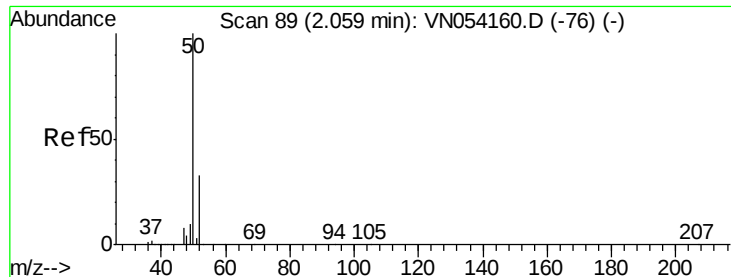
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500000

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Time-->





#3

Chloromethane

Concen: 95.093 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 1437466

Ion Ratio Lower Upper

50 100

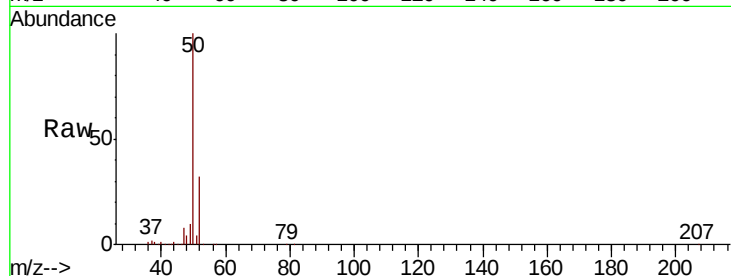
52 32.4 26.4 39.6

Manual Integrations

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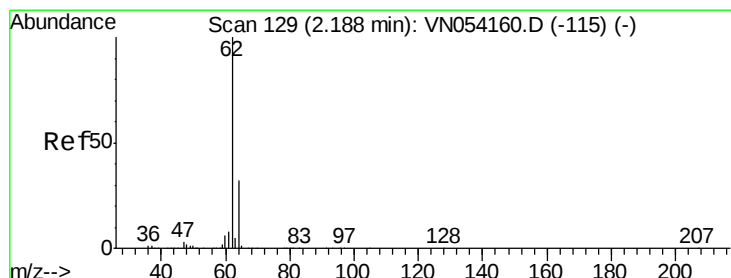
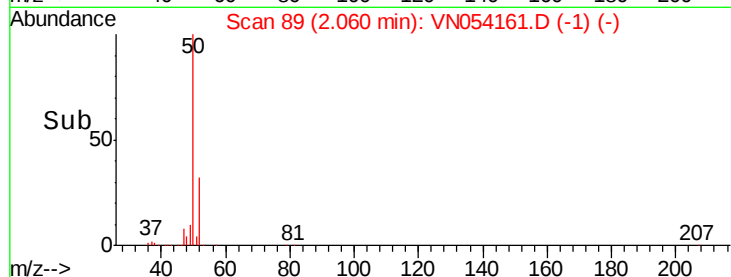
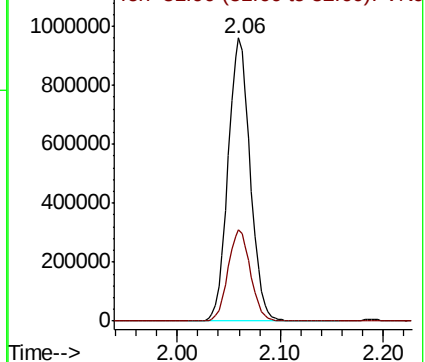
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 95.582 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054161.D

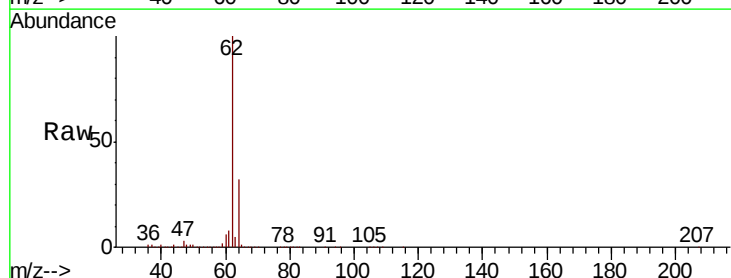
Acq: 12 Mar 2019 11:47

Tgt Ion: 62 Resp: 1651425

Ion Ratio Lower Upper

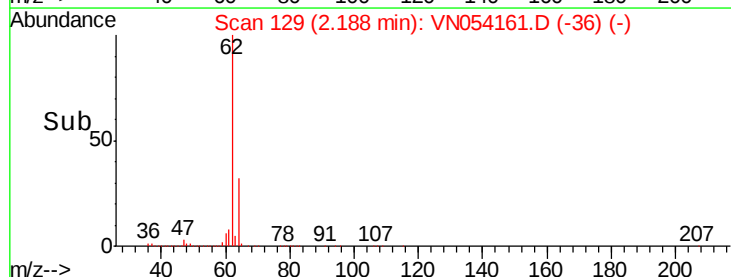
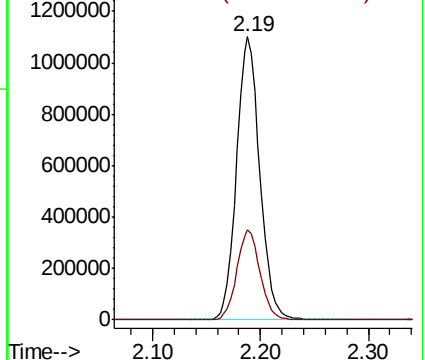
62 100

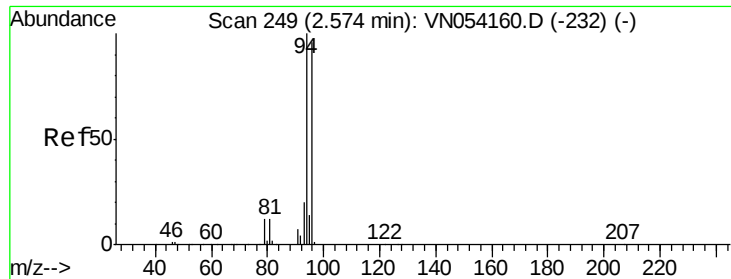
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 90.458 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

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ClientSampleId :

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Tgt Ion: 94 Resp: 1082450

Ion Ratio Lower Upper

94 100

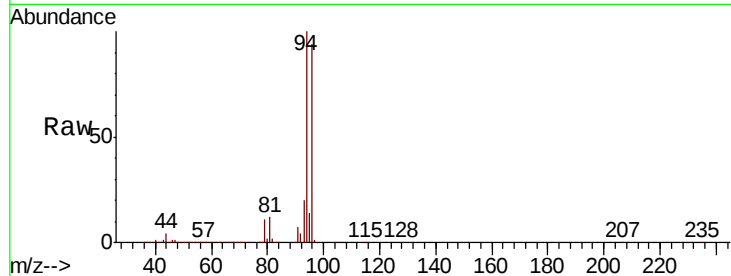
96 94.2 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

500000

400000

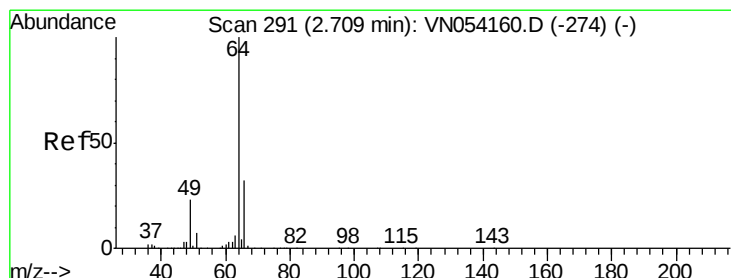
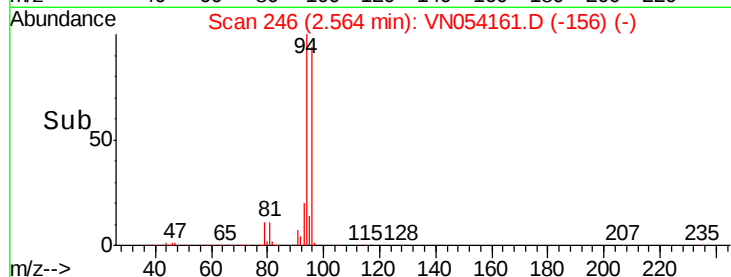
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200000

100000

0

Time-->



#6

Chloroethane

Concen: 90.339 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054161.D

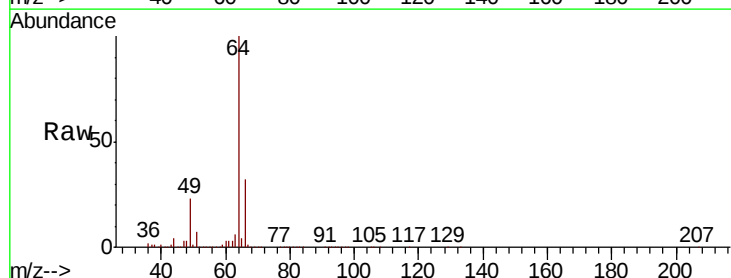
Acq: 12 Mar 2019 11:47

Tgt Ion: 64 Resp: 944382

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

500000

400000

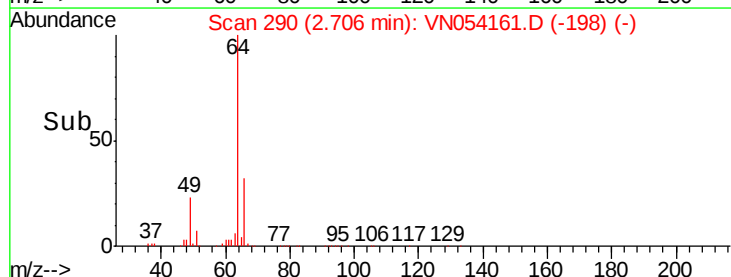
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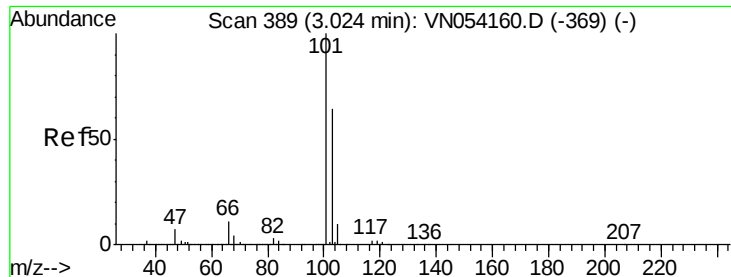
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Time-->





#7

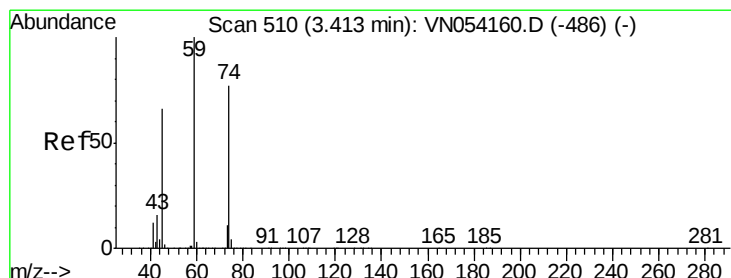
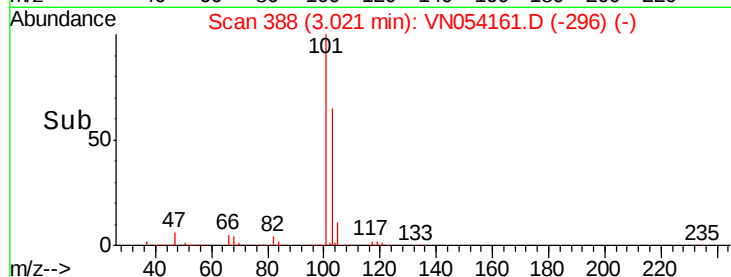
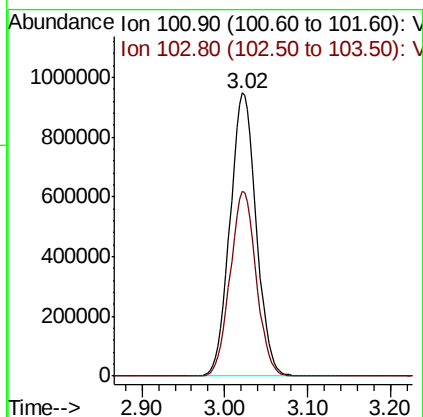
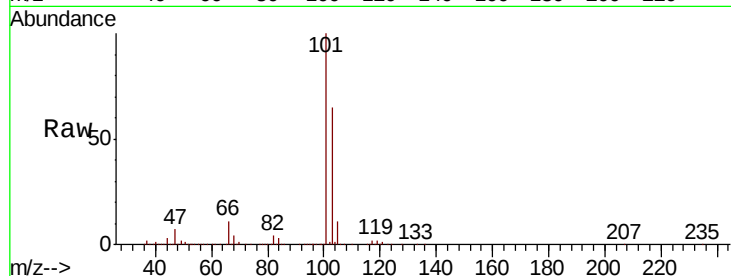
Trichlorofluoromethane
Concen: 90.723 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 2084026
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

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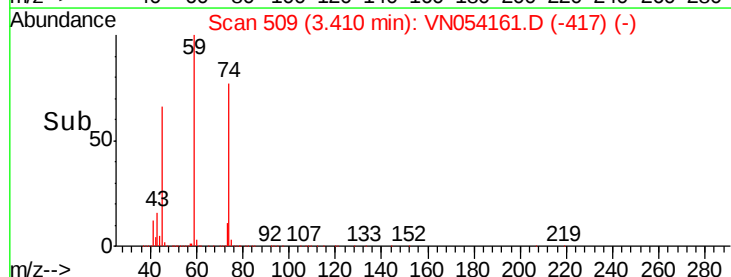
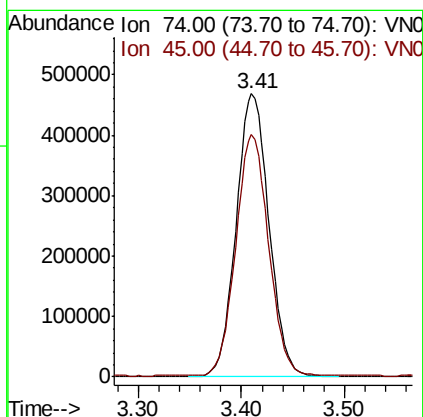
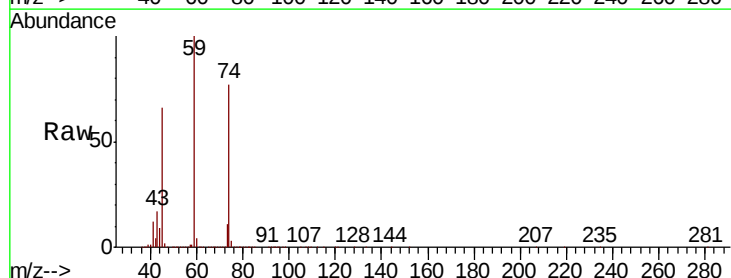
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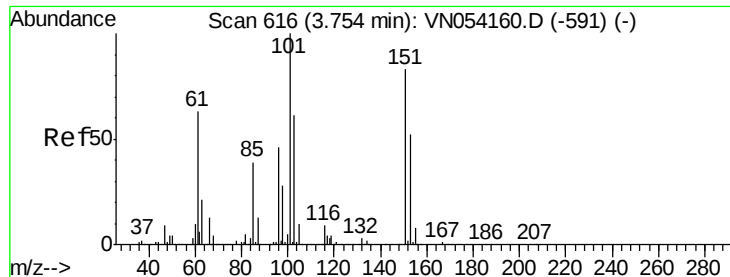


#8

Diethyl Ether
Concen: 99.134 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 74 Resp: 1037736
Ion Ratio Lower Upper
74 100
45 85.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.089 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 1705698

Ion Ratio Lower Upper

101 100

85 40.7 32.4 48.6

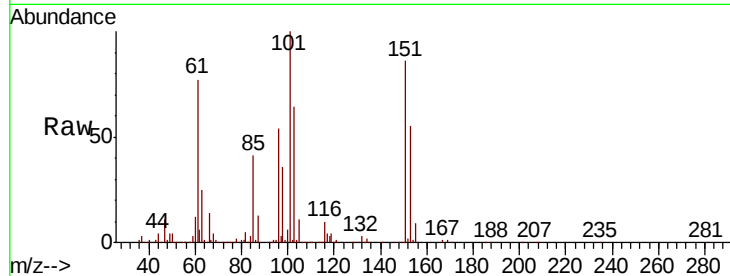
151 86.0 68.2 102.2

Manual Integrations

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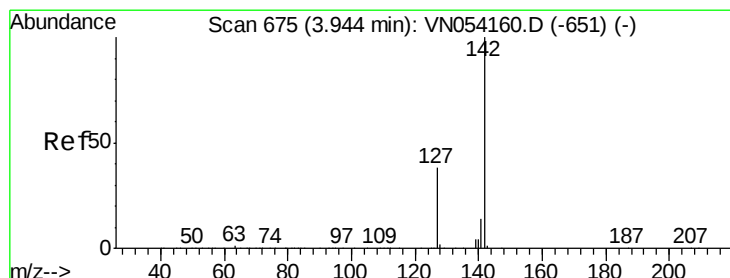
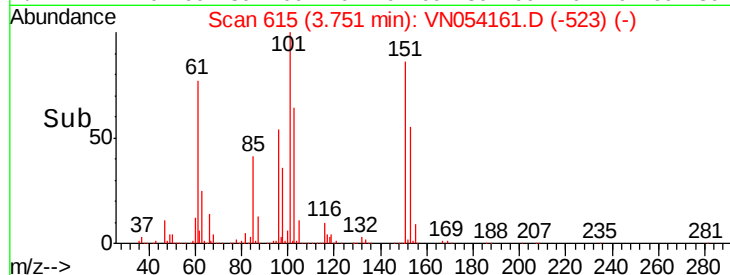
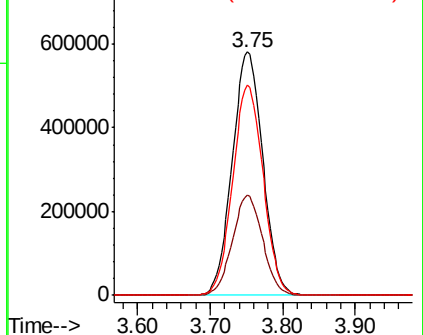
3/13/2019 11:49:17 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 101.986 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

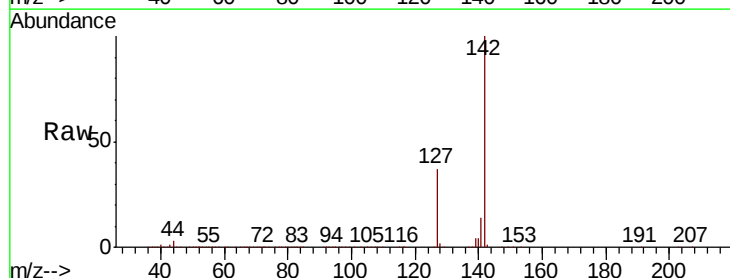
Tgt Ion:142 Resp: 2532377

Ion Ratio Lower Upper

142 100

127 37.4 30.3 45.5

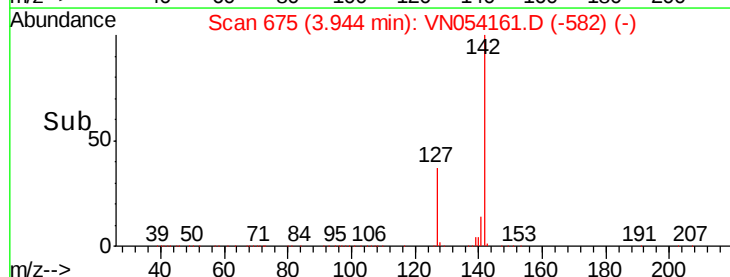
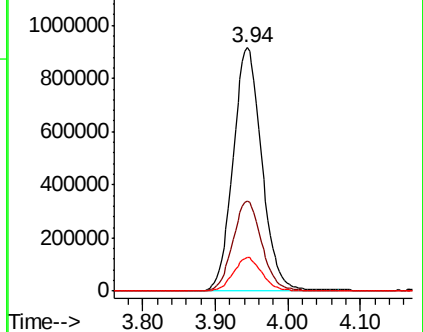
141 13.8 11.2 16.8

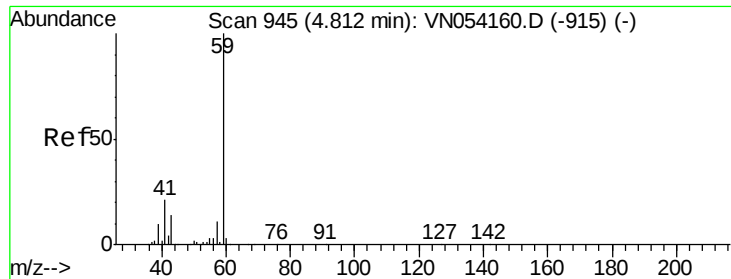


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

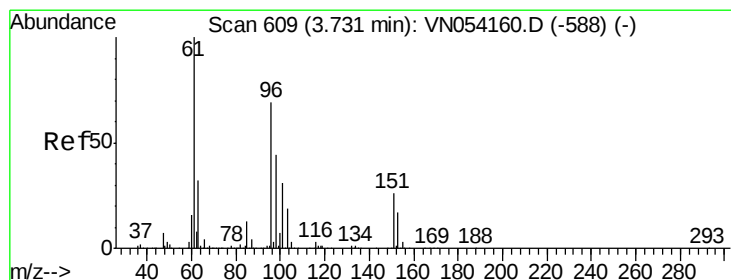
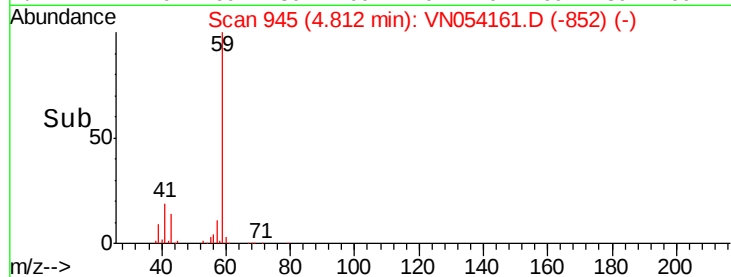
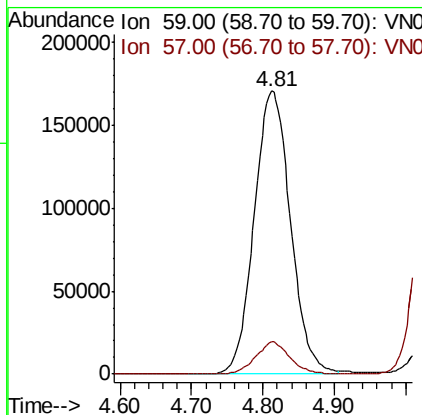
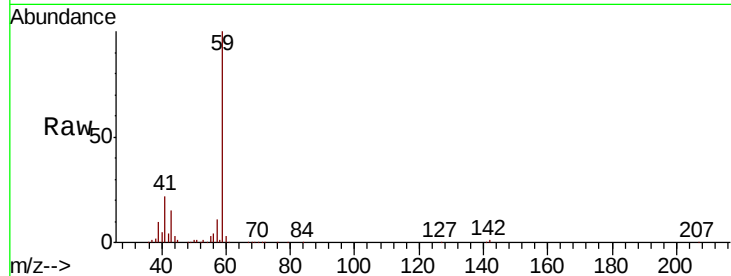
Tert butyl alcohol
 Concen: 501.900 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

Manual Integrations
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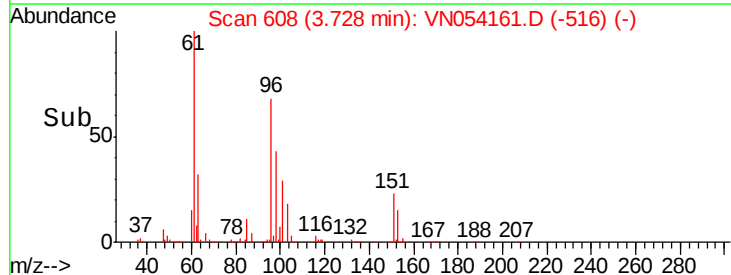
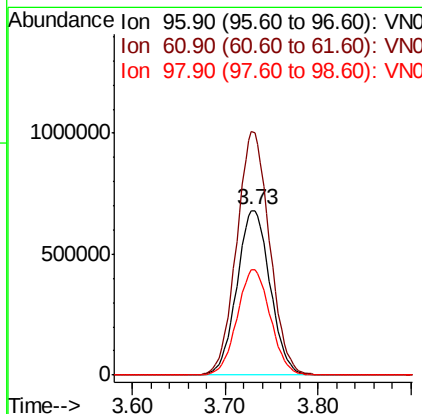
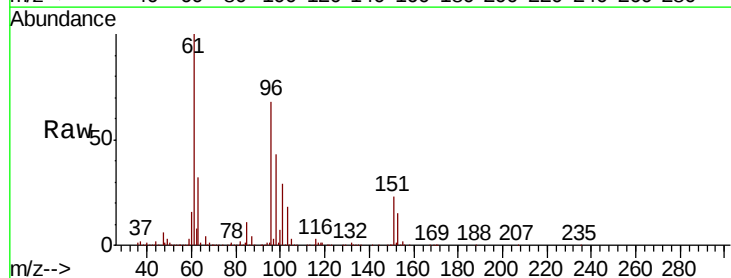
MMDadoda
 3/13/2019 11:49:17 AM



#12

1,1-Dichloroethene
 Concen: 99.220 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.8	116.5	174.7
98	63.8	51.0	76.4





#13

Acrolein

Concen: 519.653 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 588661

Ion Ratio Lower Upper

56 100

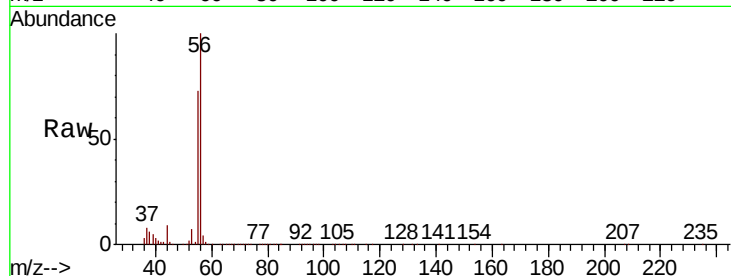
55 71.8 56.7 85.1

Manual Integrations

APPROVED

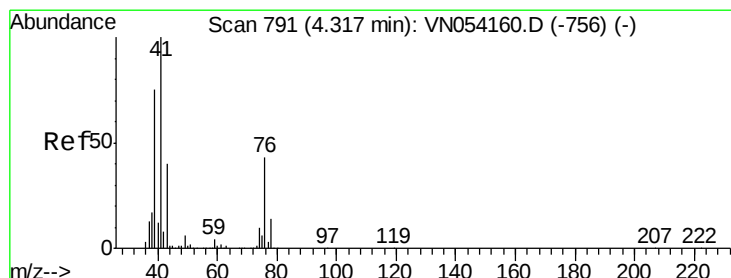
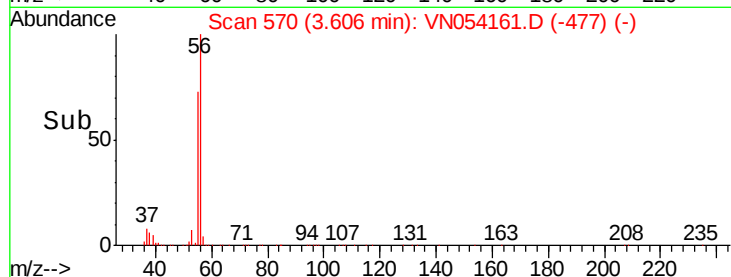
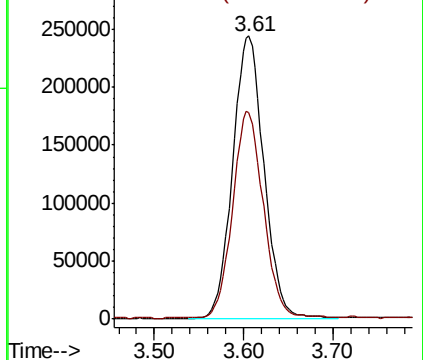
MMDadoda

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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: 103.286 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

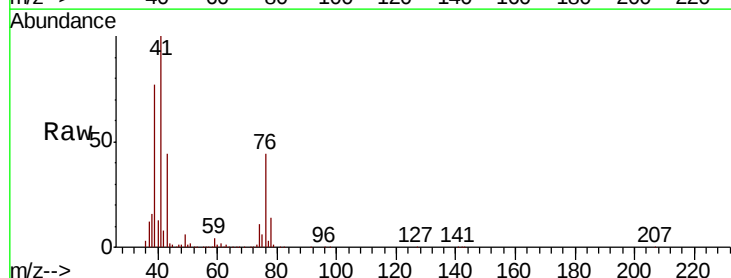
Tgt Ion: 41 Resp: 2260590

Ion Ratio Lower Upper

41 100

39 73.2 58.2 87.4

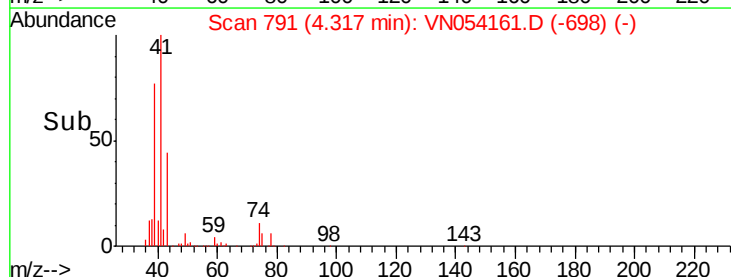
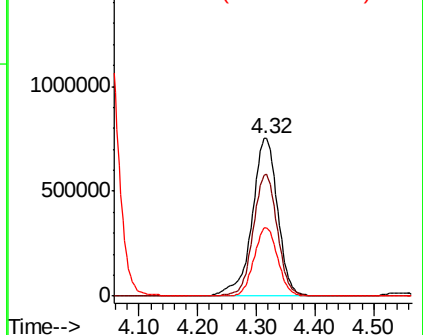
76 39.8 31.7 47.5

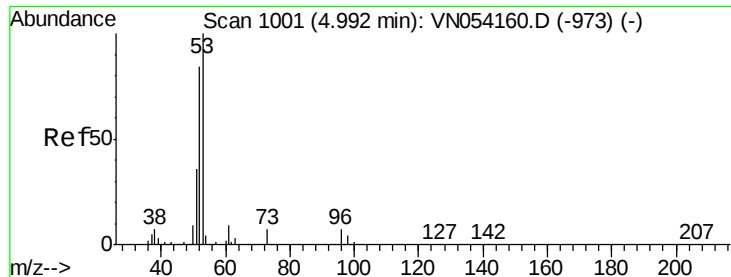


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 517.210 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 2539795

Ion Ratio Lower Upper

53 100

52 83.6 66.4 99.6

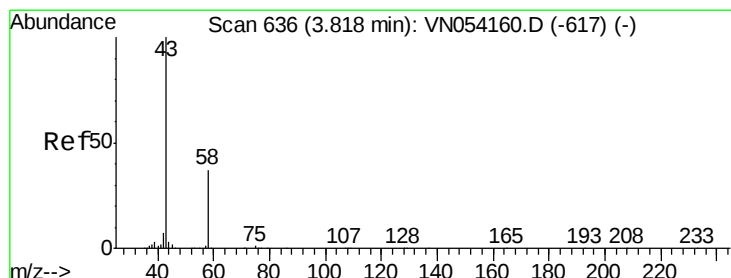
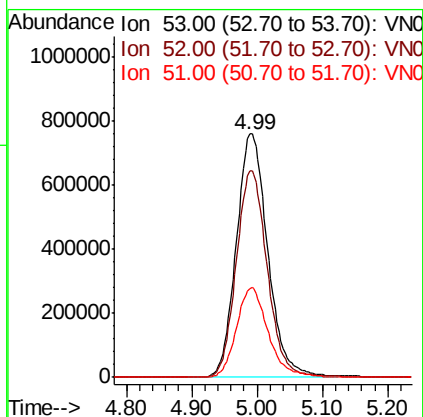
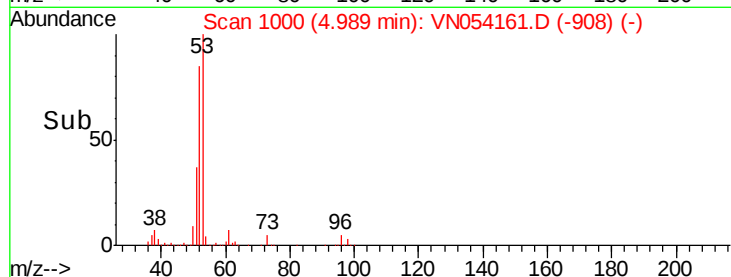
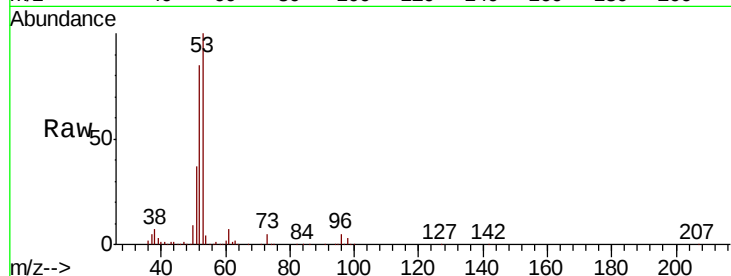
51 37.3 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 449.992 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054161.D

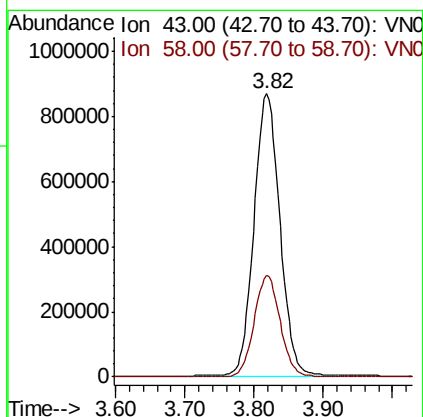
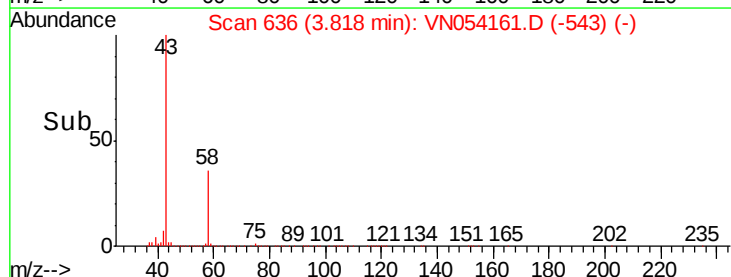
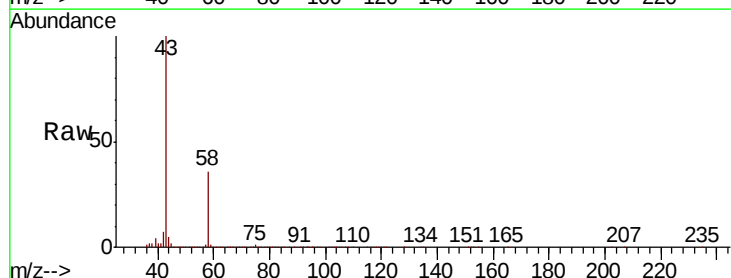
Acq: 12 Mar 2019 11:47

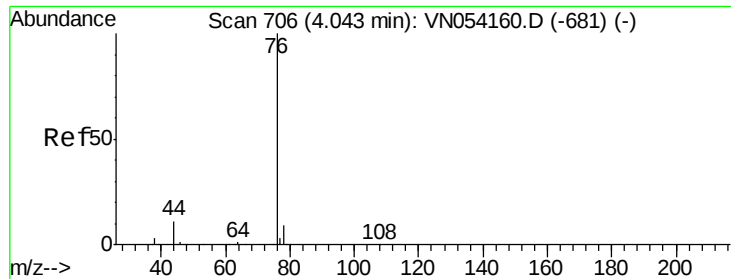
Tgt Ion: 43 Resp: 2246774

Ion Ratio Lower Upper

43 100

58 35.9 29.9 44.9





#17

Carbon Disulfide

Concen: 106.155 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 4539495

Ion Ratio Lower Upper

76 100

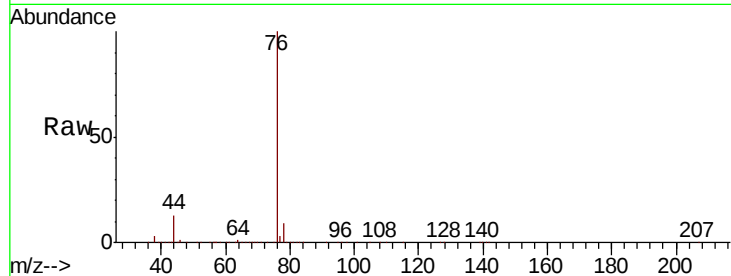
78 9.1 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

2000000

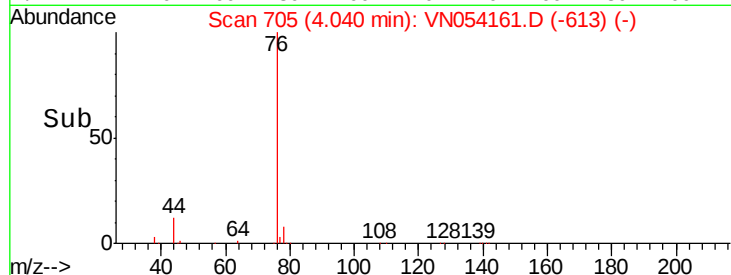
1500000

1000000

500000

0

Time-->



#18

Methyl Acetate

Concen: 106.756 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054161.D

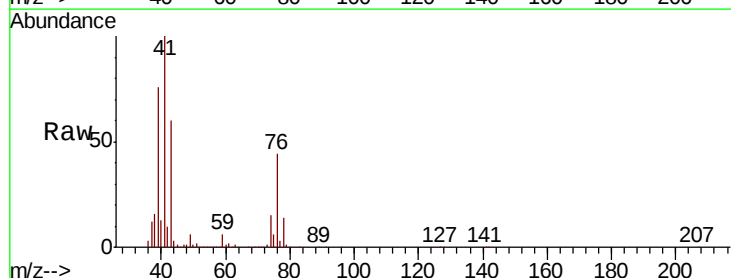
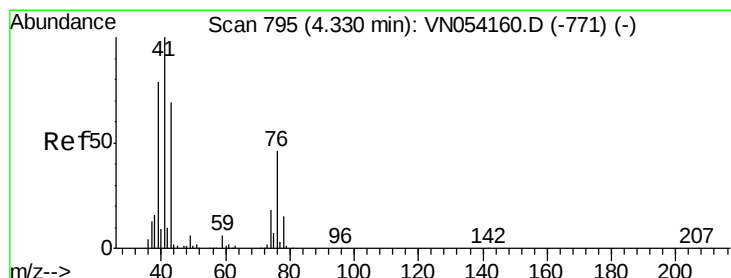
Acq: 12 Mar 2019 11:47

Tgt Ion: 43 Resp: 1078397

Ion Ratio Lower Upper

43 100

74 26.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

400000

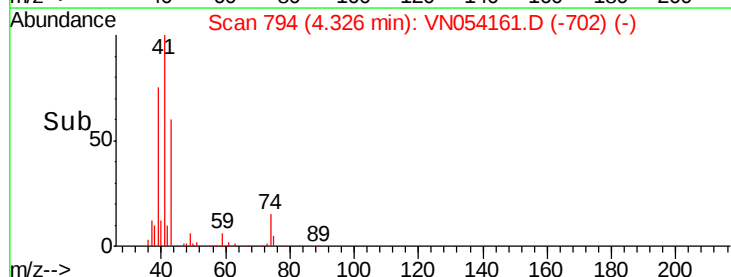
300000

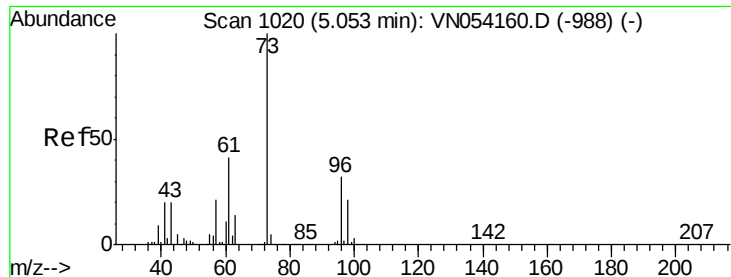
200000

100000

0

Time-->





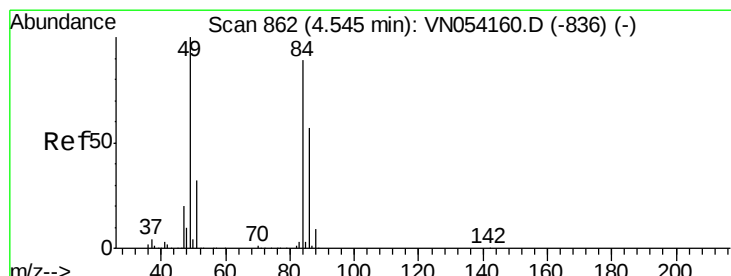
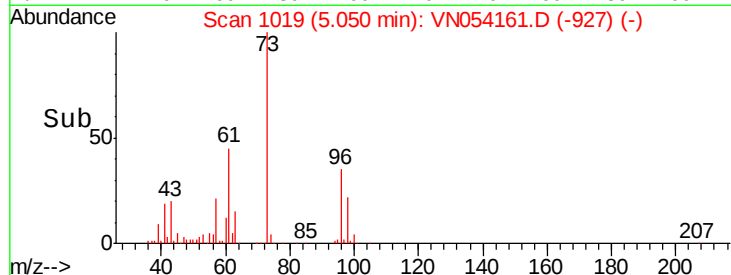
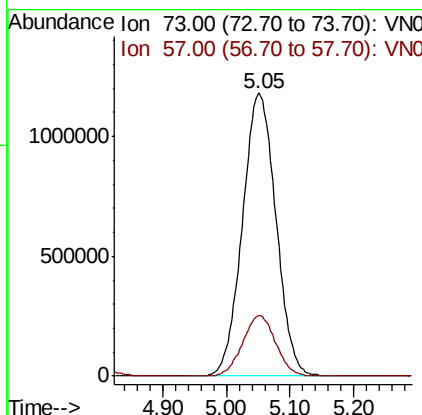
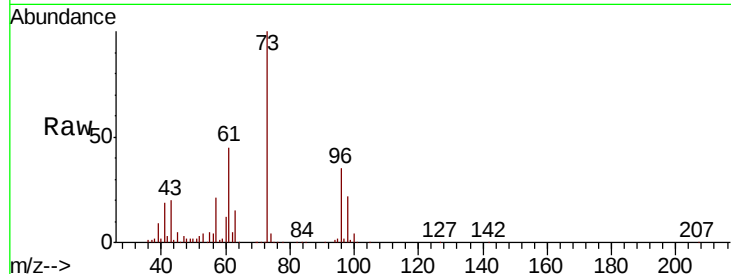
#19
Methyl tert-butyl Ether
Concen: 102.281 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 73 Resp: 4324730
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

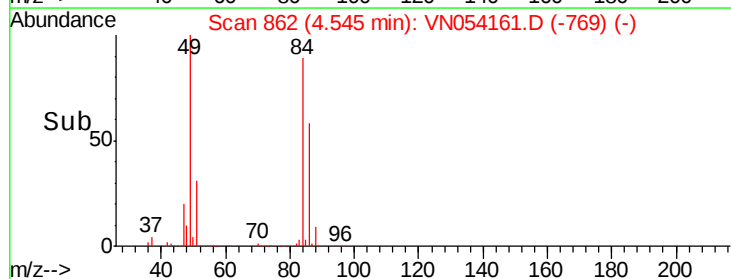
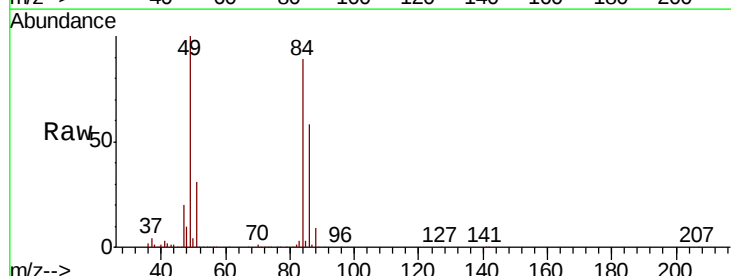
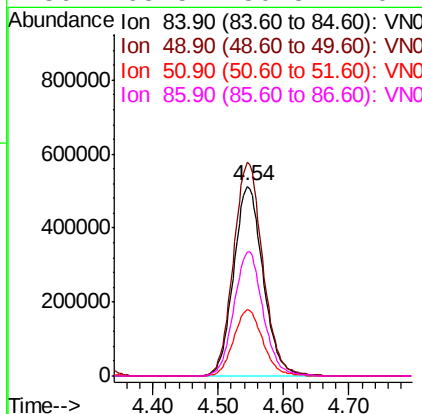
Manual Integrations
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#20
Methylene Chloride
Concen: 97.992 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 84 Resp: 1606528
Ion Ratio Lower Upper
84 100
49 112.7 89.7 134.5
51 34.8 28.2 42.4
86 65.5 50.8 76.2





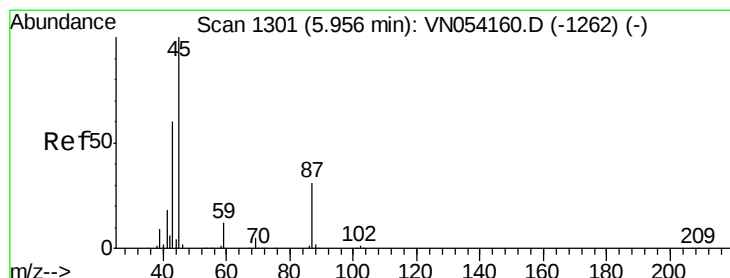
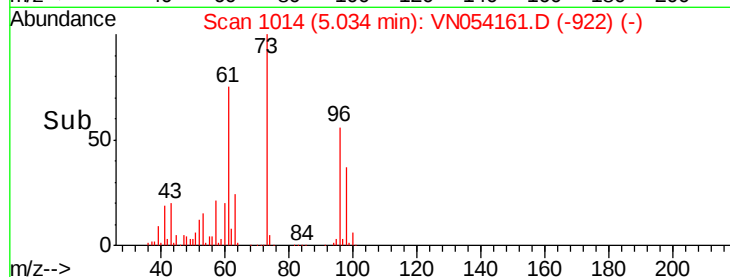
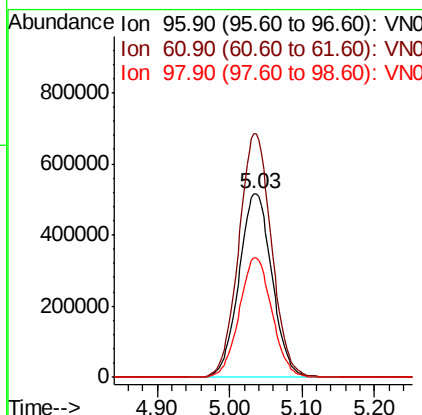
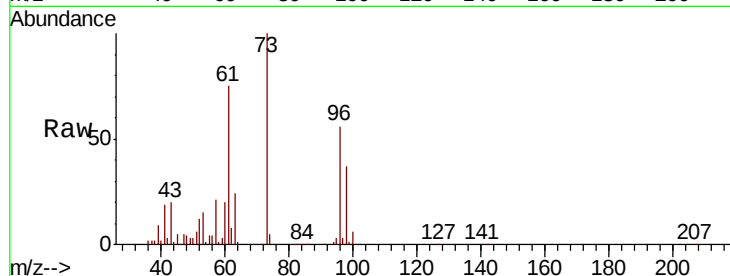
#21
trans-1,2-Dichloroethene
Concen: 100.145 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 1636809
Ion Ratio Lower Upper
96 100
61 132.5 102.8 154.2
98 64.9 50.0 75.0

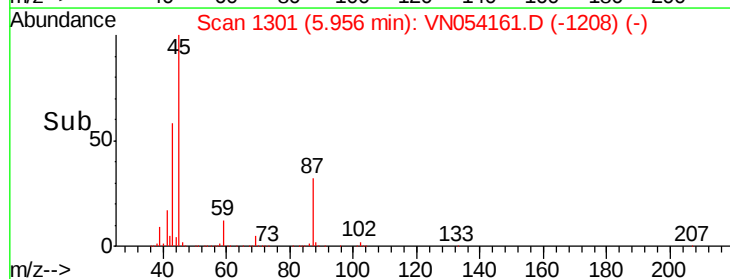
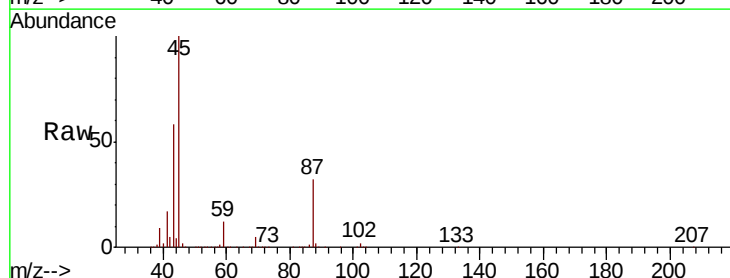
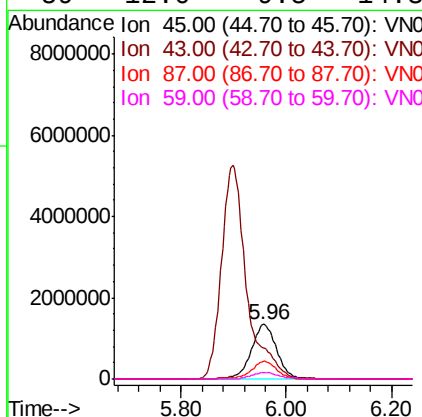
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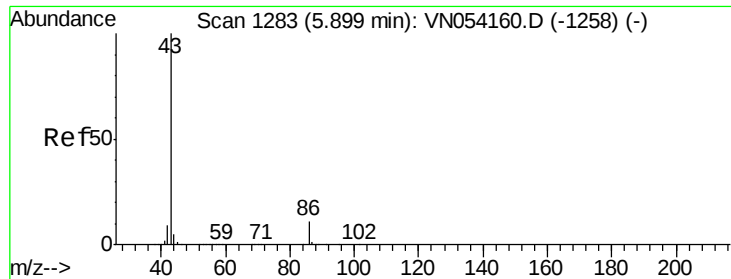
MMDadoda
3/13/2019 11:49:17 AM



#22
Diisopropyl ether
Concen: 104.142 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 45 Resp: 4549107
Ion Ratio Lower Upper
45 100
43 57.6 48.2 72.2
87 32.0 24.9 37.3
59 12.0 9.5 14.3





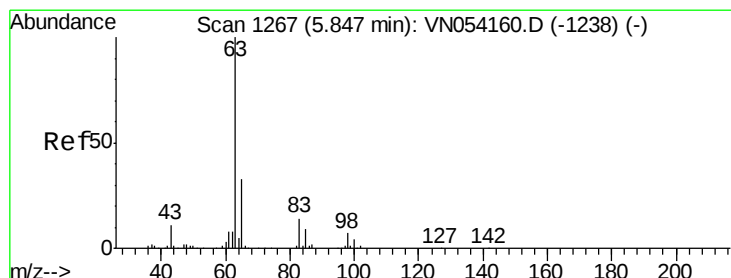
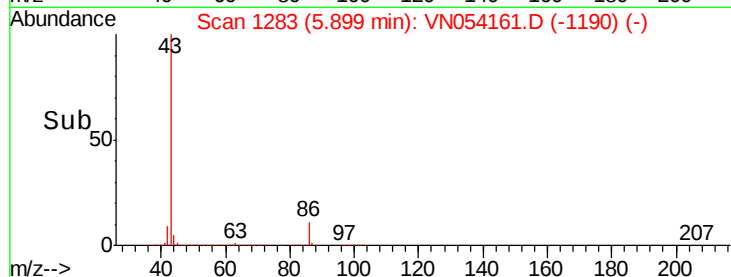
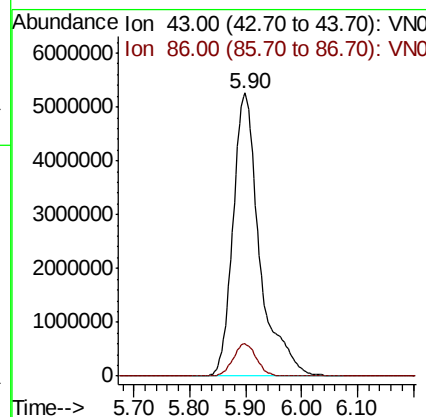
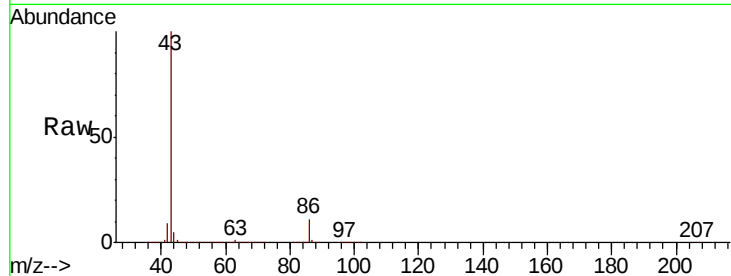
#23
 Vinyl Acetate
 Concen: 540.250 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp:17399832
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7

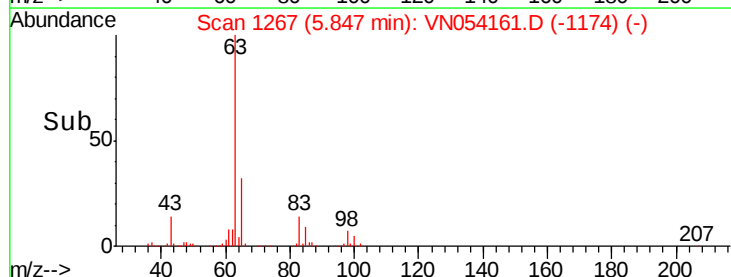
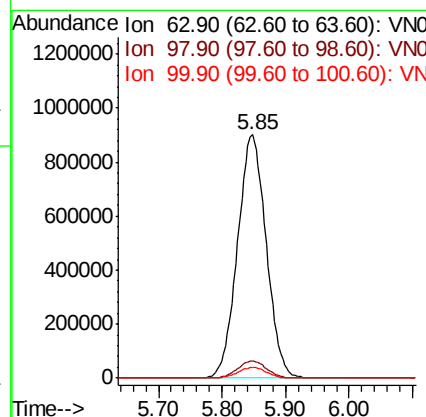
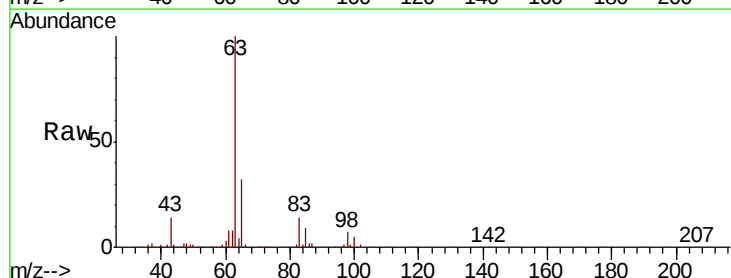
Manual Integrations
 APPROVED

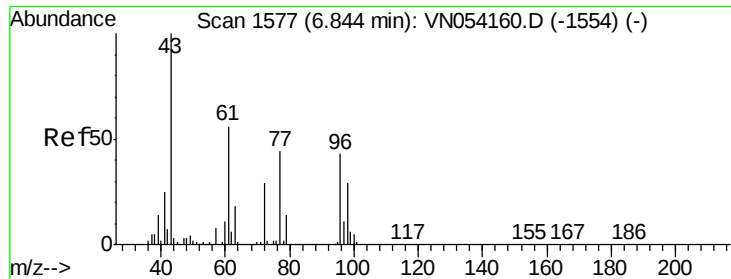
MMDadoda
 3/13/2019 11:49:17 AM



#24
 1,1-Dichloroethane
 Concen: 100.437 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Tgt Ion: 63 Resp: 2816996
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.5 2.0 6.0





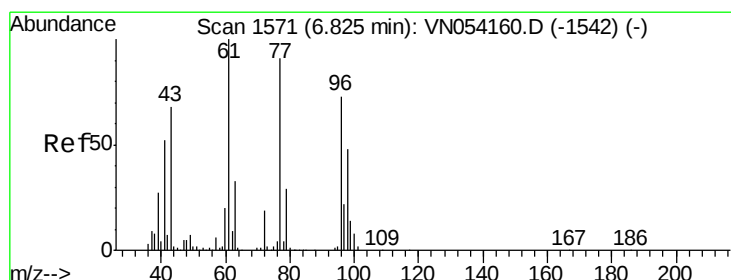
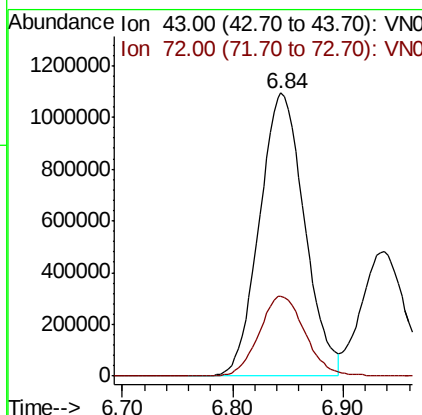
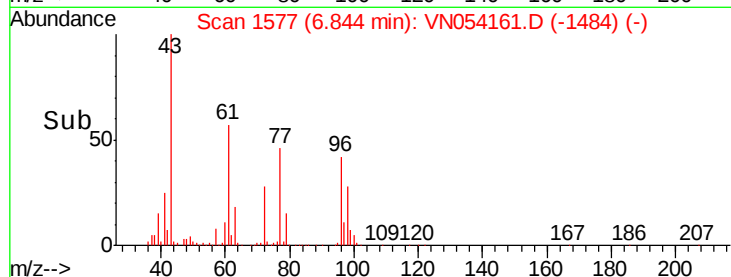
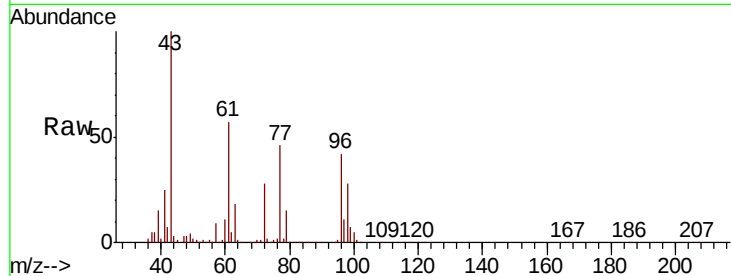
#25
2-Butanone
Concen: 526.395 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 43 Resp: 3084752
Ion Ratio Lower Upper
43 100
72 28.5 23.0 34.6

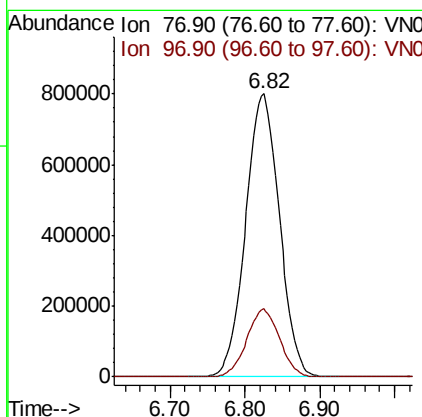
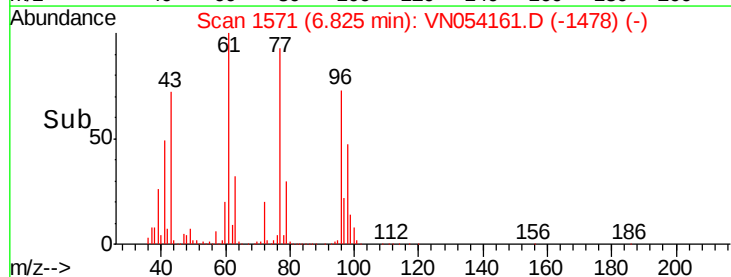
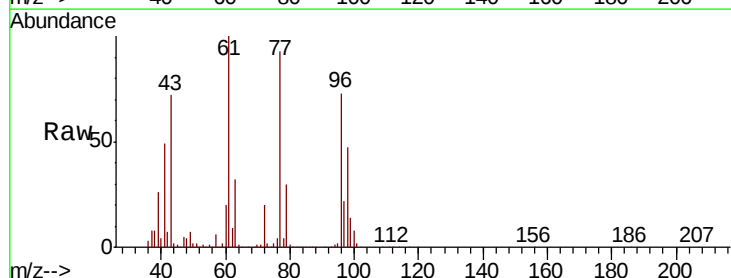
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3/13/2019 11:49:17 AM



#26
2,2-Dichloropropane
Concen: 101.908 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 77 Resp: 2513543
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 101.994 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 96 Resp: 1859747

Ion Ratio Lower Upper

96 100

61 137.1 0.0 273.0

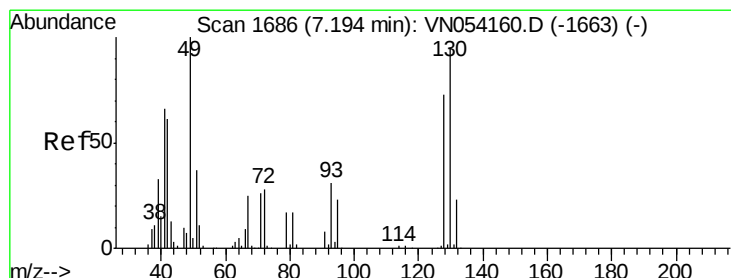
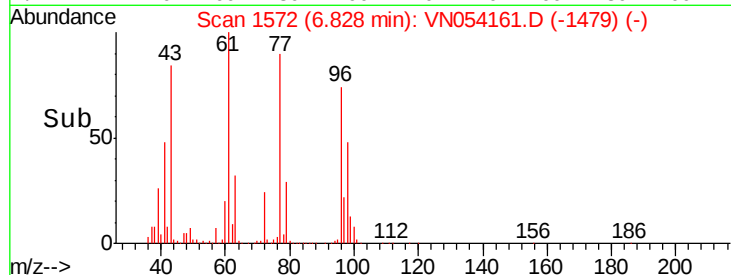
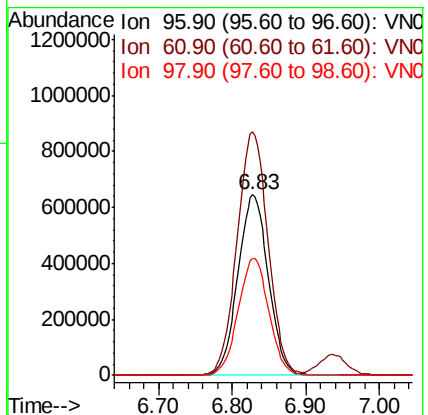
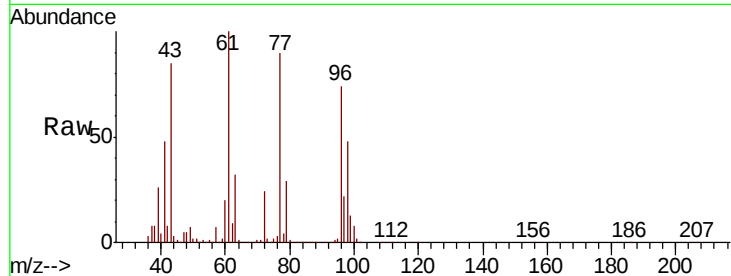
98 65.3 0.0 130.6

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#28

Bromochloromethane

Concen: 98.911 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

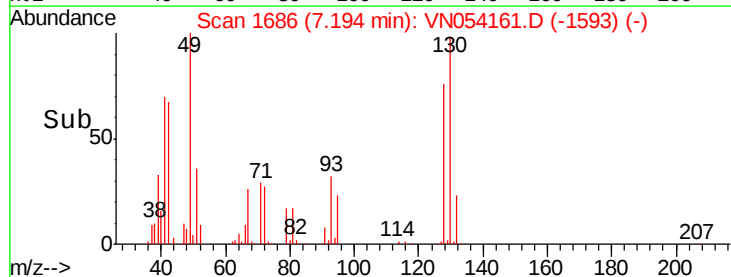
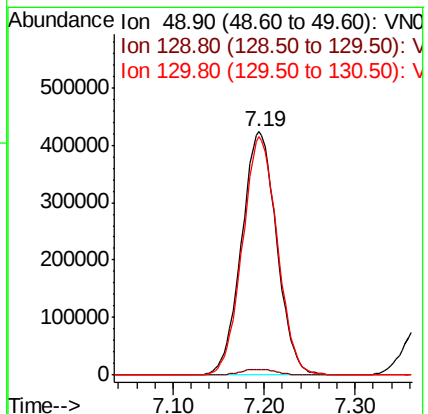
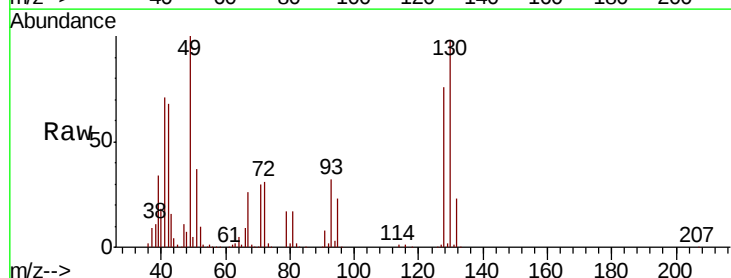
Tgt Ion: 49 Resp: 1134120

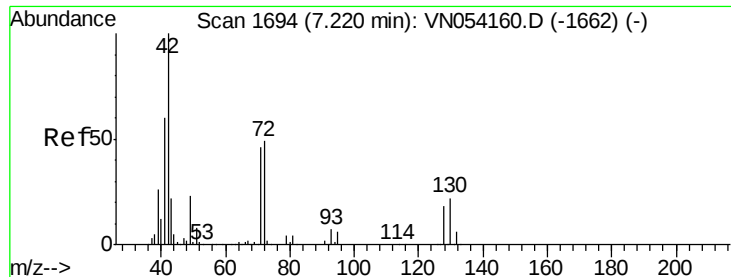
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 97.1 76.7 115.1





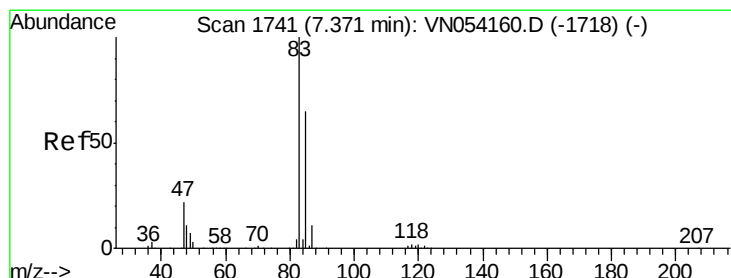
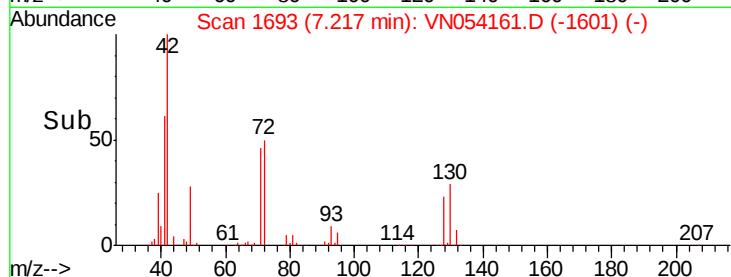
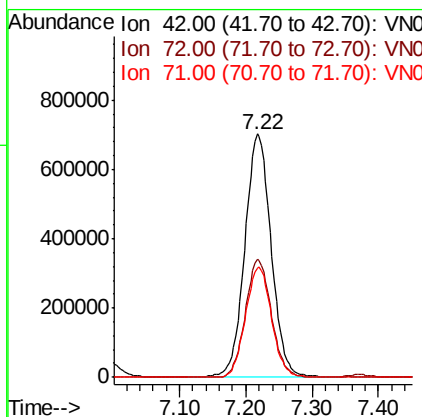
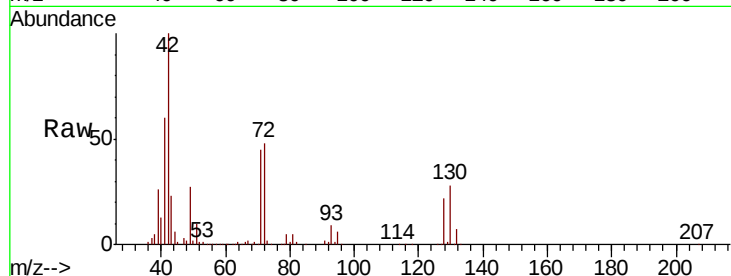
#29
Tetrahydrofuran
Concen: 513.469 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 1934681
Ion Ratio Lower Upper
42 100
72 47.6 37.8 56.6
71 45.0 36.2 54.2

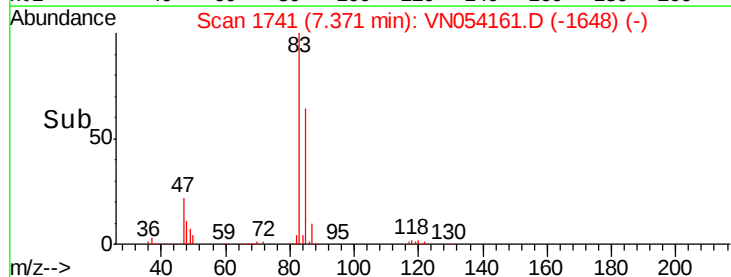
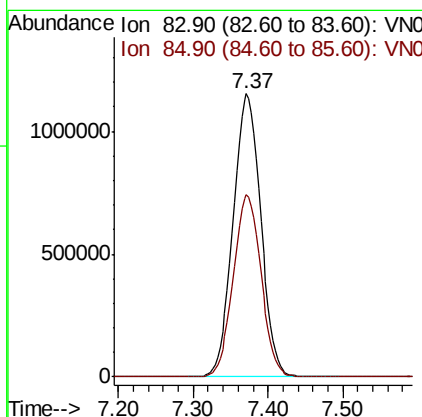
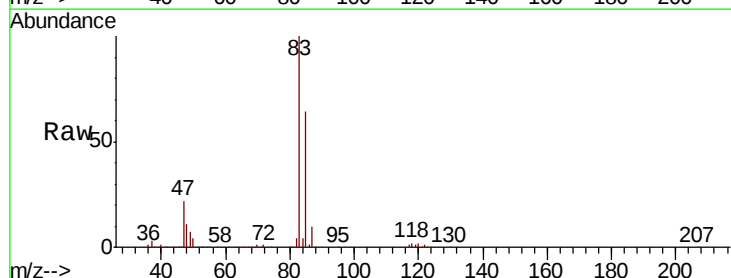
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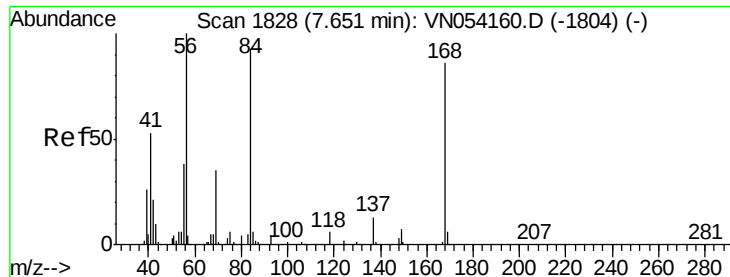
MMDadoda
3/13/2019 11:49:17 AM



#30
Chloroform
Concen: 101.478 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 83 Resp: 2969976
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4





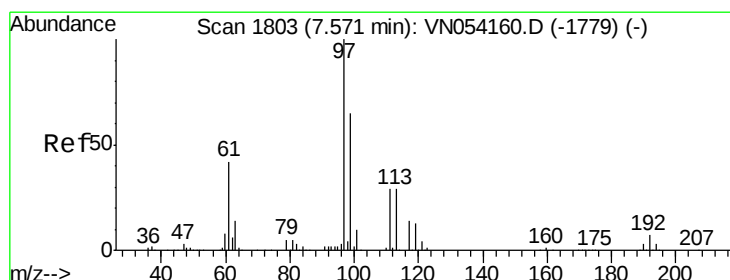
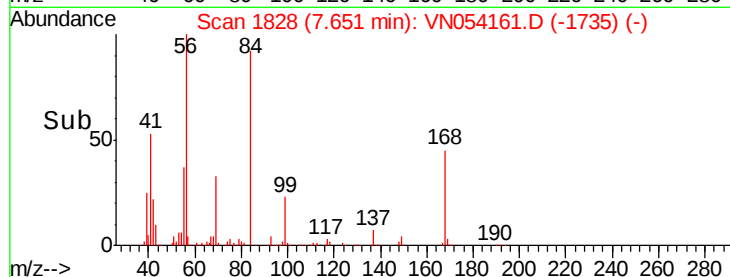
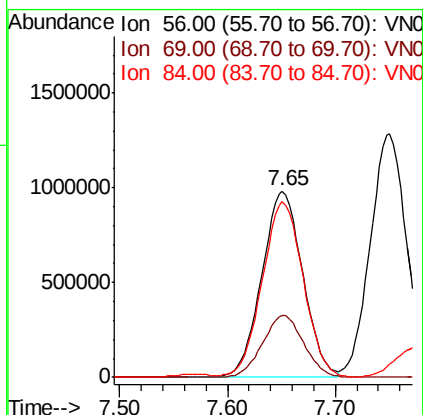
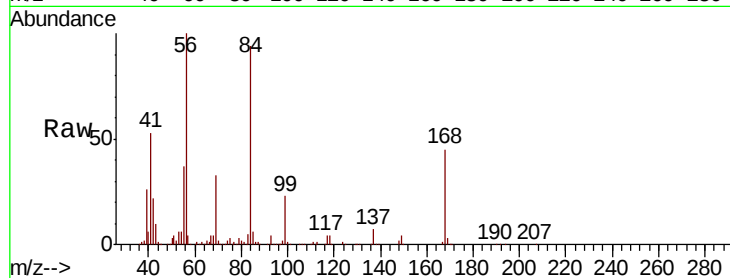
#31
Cyclohexane
Concen: 99.854 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 2586272
Ion Ratio Lower Upper
56 100
69 33.3 27.8 41.6
84 92.6 74.6 111.8

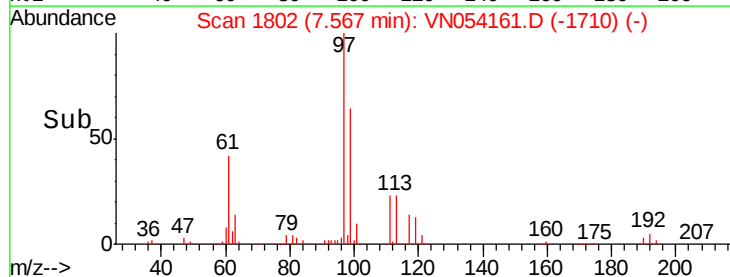
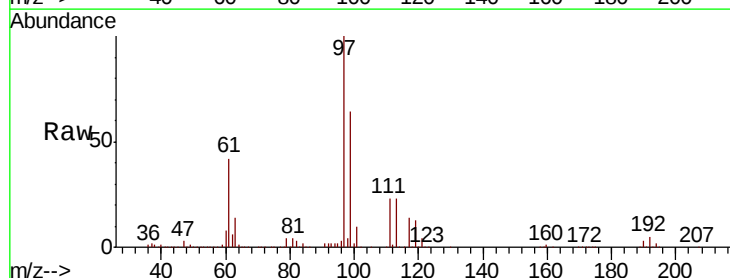
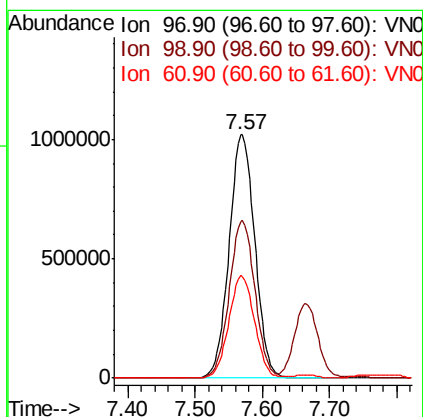
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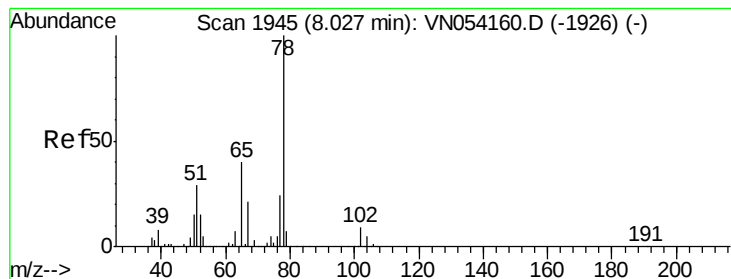
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#32
1,1,1-Trichloroethane
Concen: 102.163 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 97 Resp: 2700382
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 42.3 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 98.049 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 1709785

Ion Ratio Lower Upper

65 100

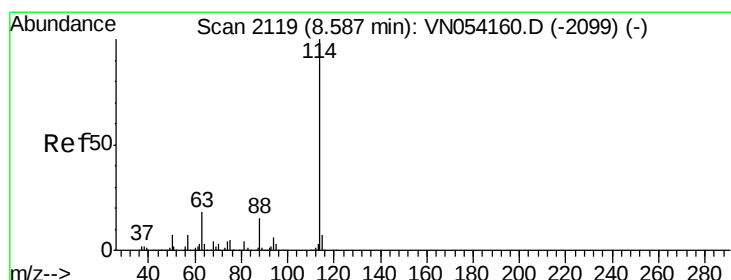
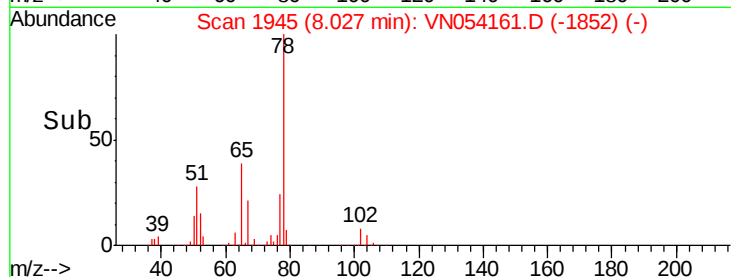
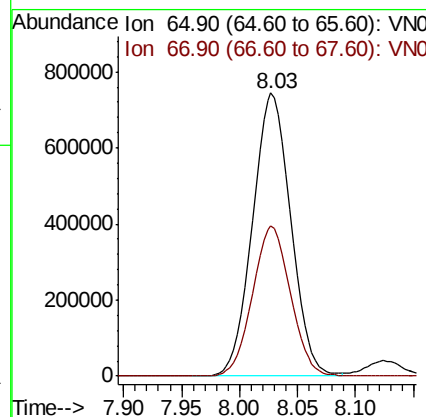
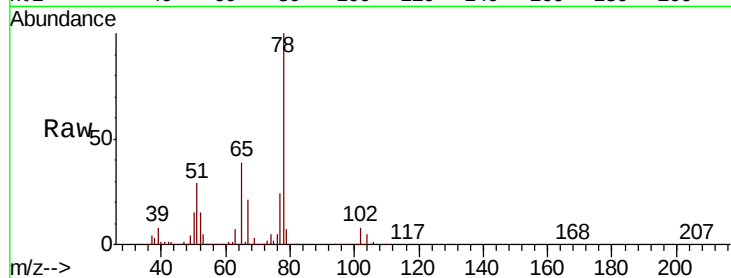
67 52.8 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

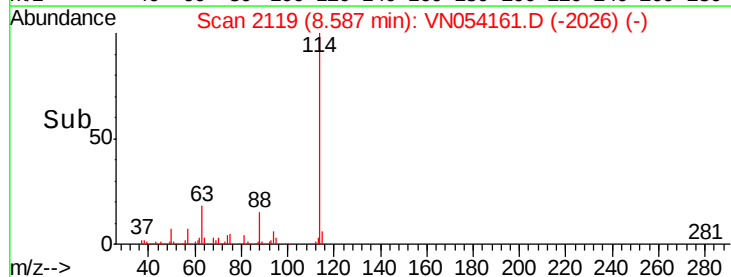
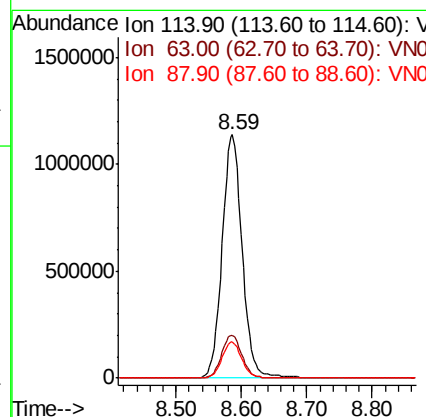
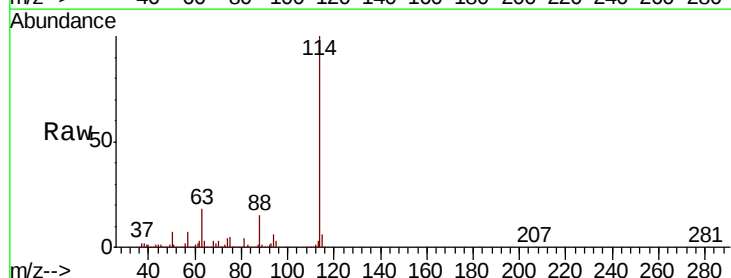
Tgt Ion: 114 Resp: 2432625

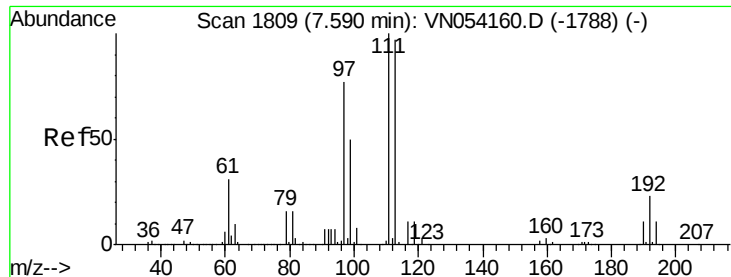
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

88 14.9 0.0 30.2





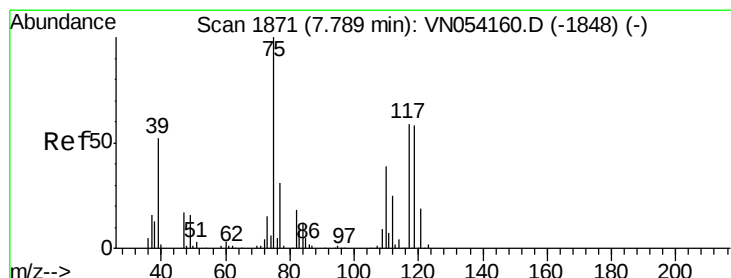
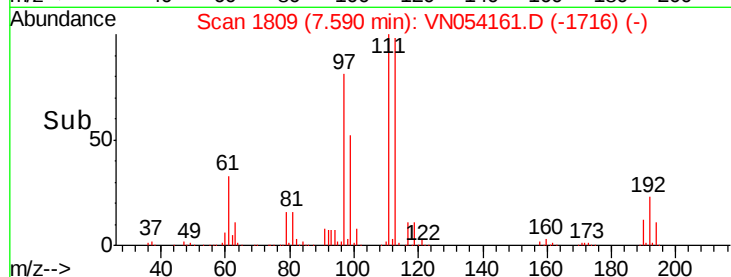
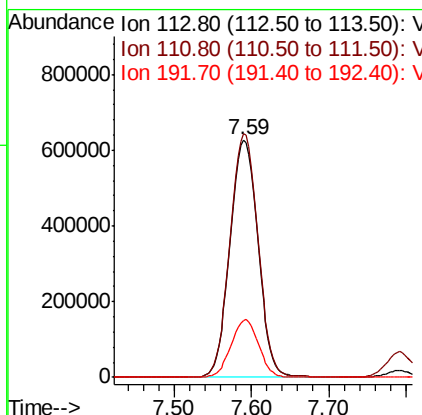
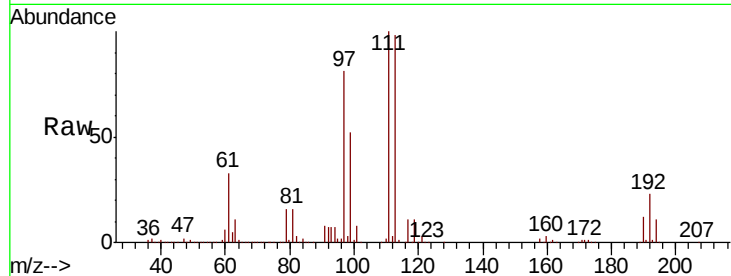
#35
Dibromofluoromethane
Concen: 100.397 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	23.9	19.2	28.8

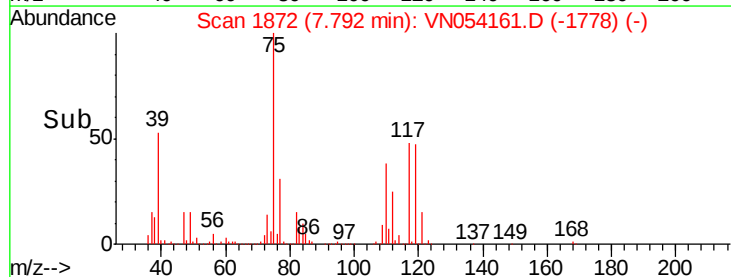
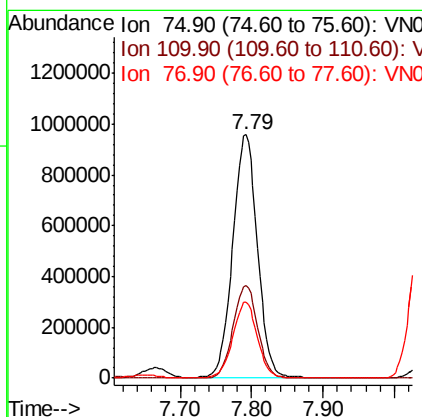
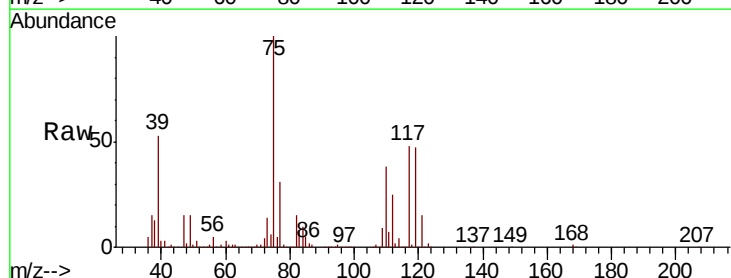
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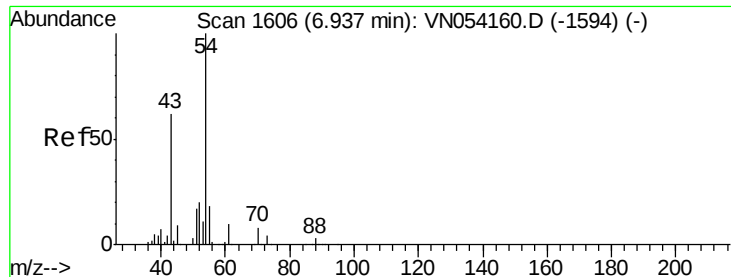
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#36
1,1-Dichloropropene
Concen: 103.651 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.5
77	31.0	25.0	37.4





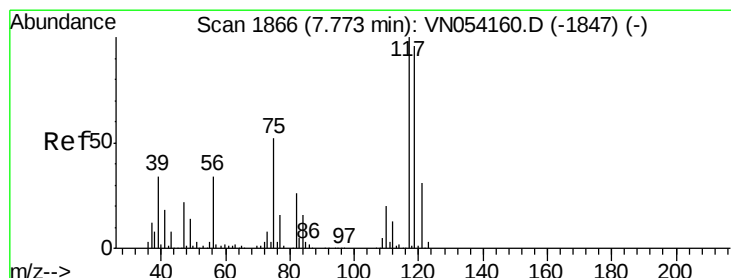
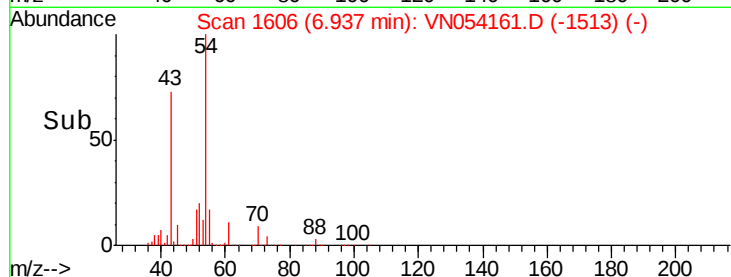
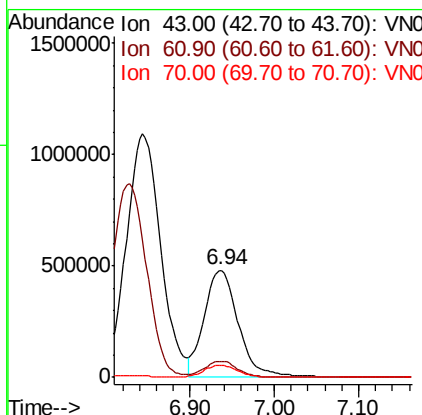
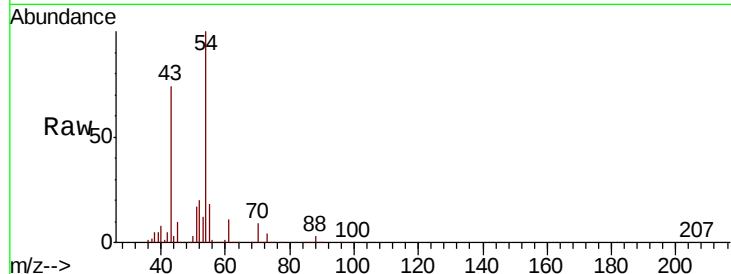
#37
Ethyl Acetate
Concen: 101.623 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1343188
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 11.2 8.4 12.6

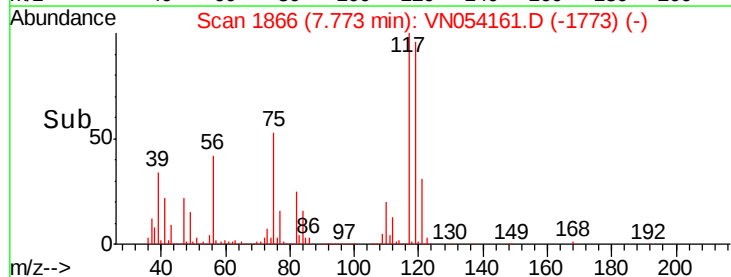
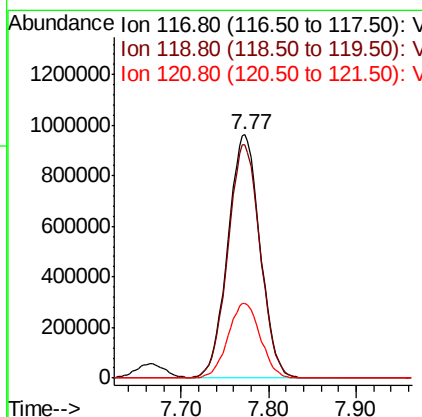
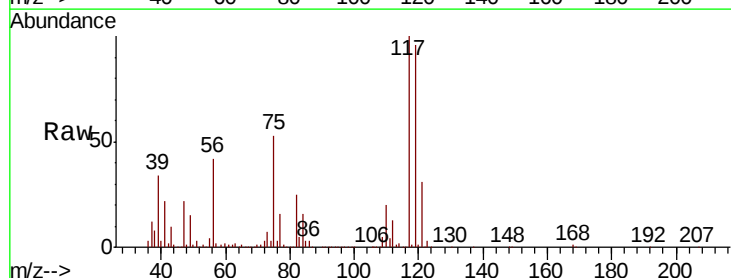
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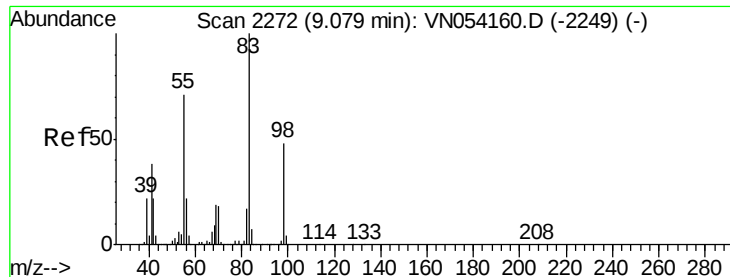
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#38
Carbon Tetrachloride
Concen: 104.488 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 117 Resp: 2454725
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 30.9 24.6 36.8





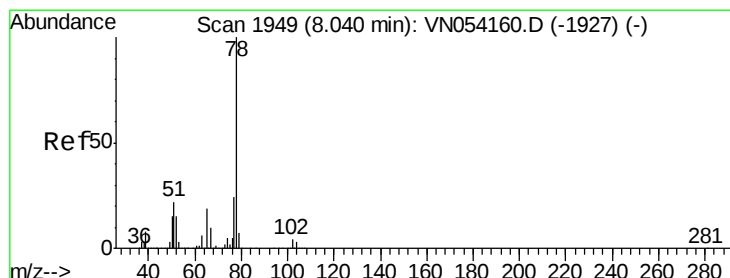
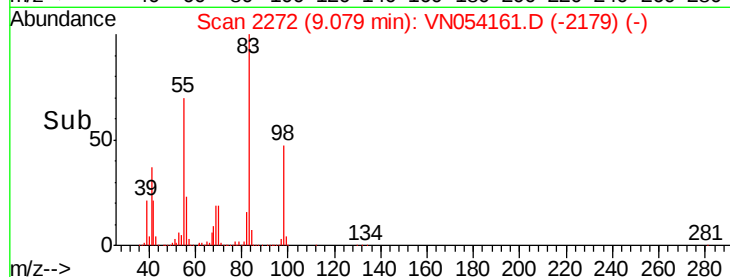
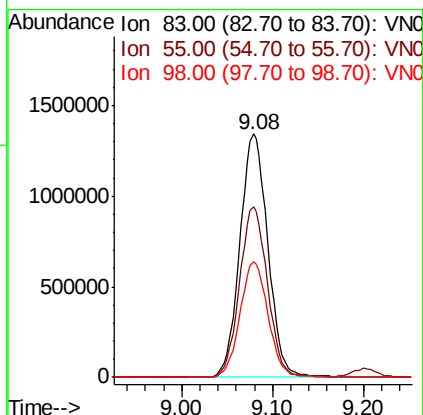
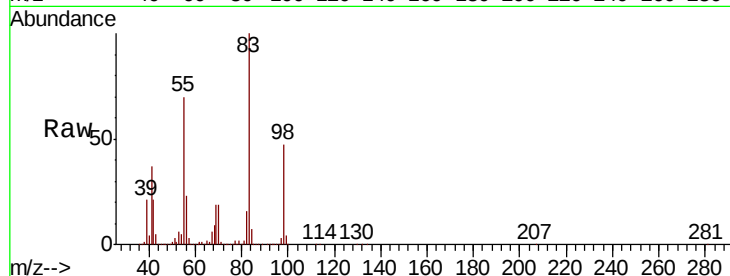
#39
Methylcyclohexane
Concen: 104.107 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 2869552
Ion Ratio Lower Upper
83 100
55 69.8 56.6 84.8
98 47.4 38.4 57.6

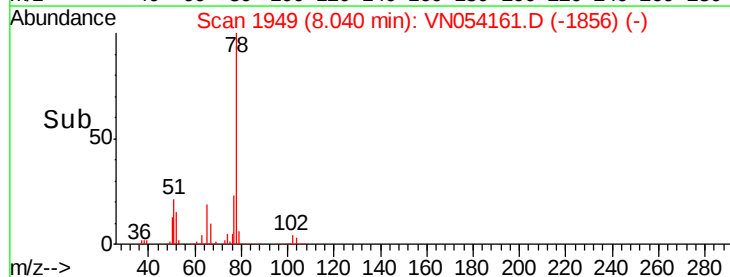
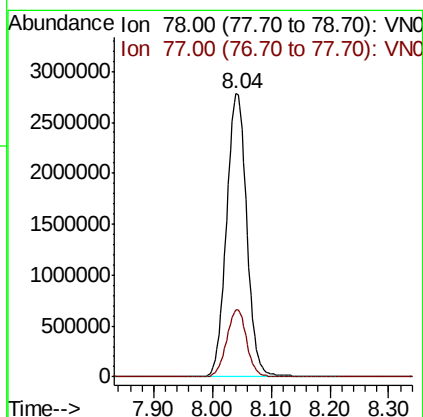
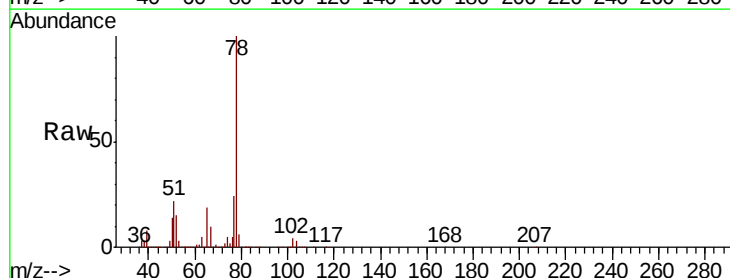
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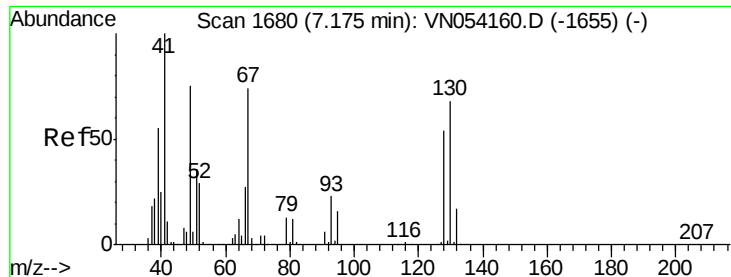
MMDadoda
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#40
Benzene
Concen: 103.773 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 78 Resp: 6652566
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





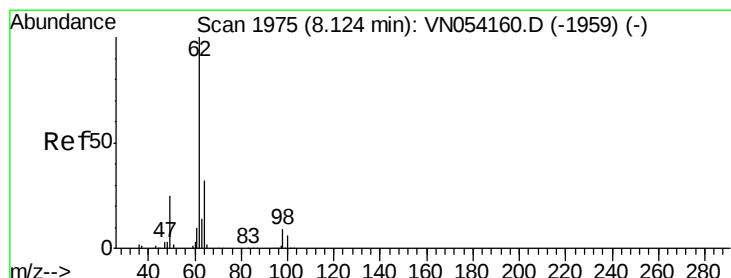
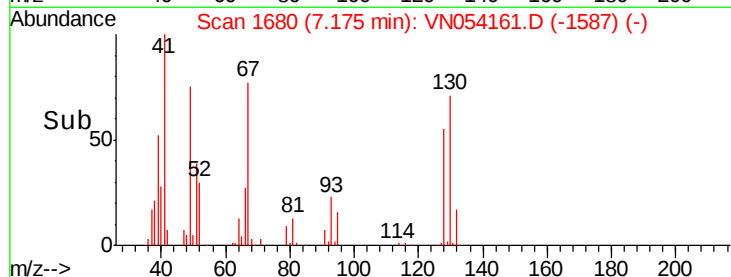
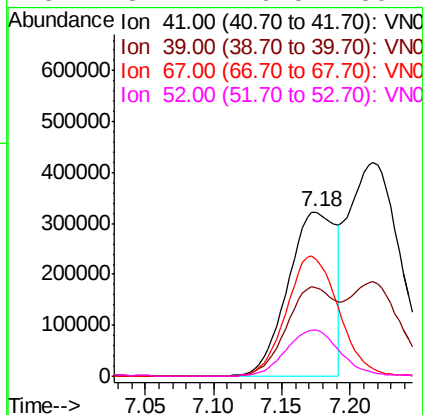
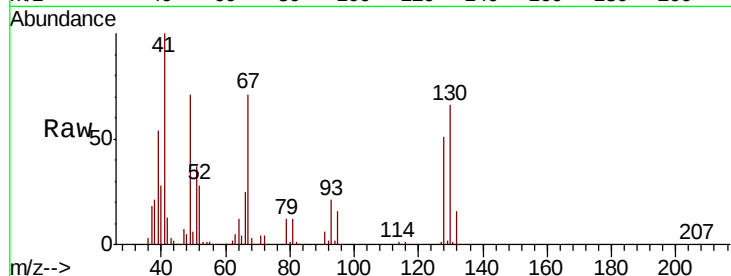
#41
Methacrylonitrile
Concen: 110.887 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	46.8	70.2
67	80.9	67.0	100.4
52	31.4	26.5	39.7

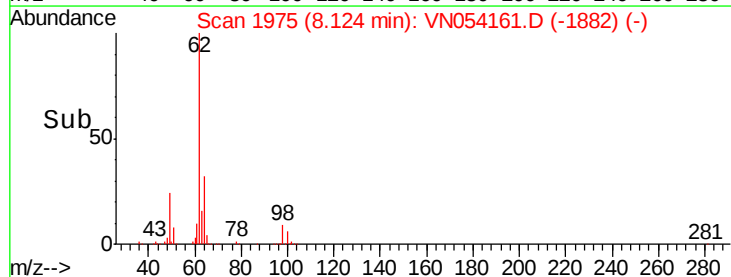
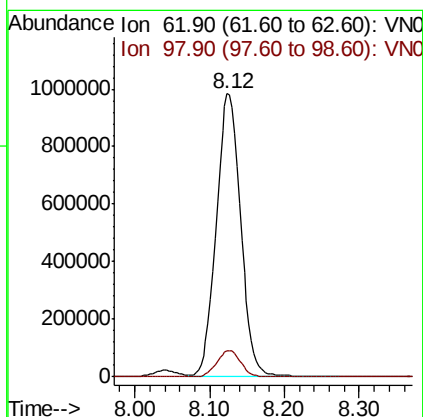
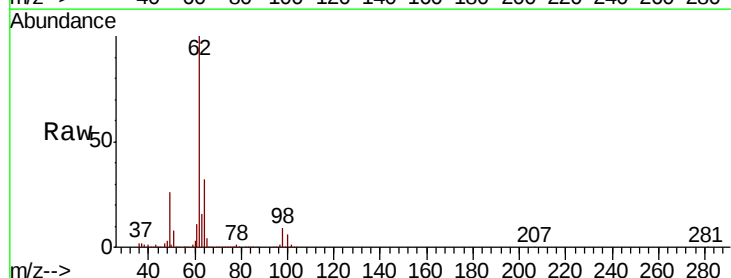
Manual Integrations
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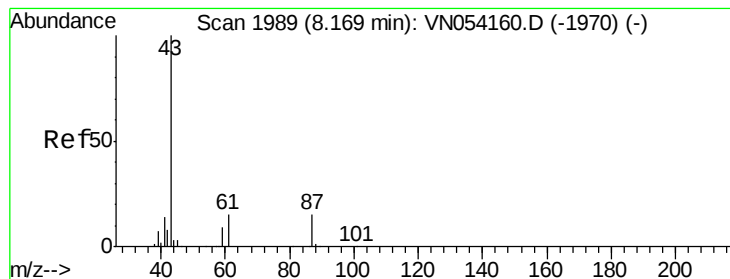
MMDadoda
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#42
1,2-Dichloroethane
Concen: 102.954 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 109.806 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2480985

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

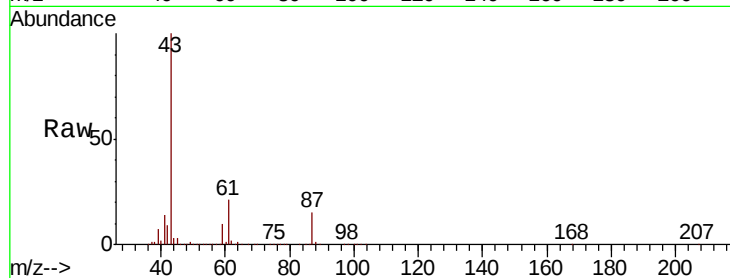
87 14.8 12.0 18.0

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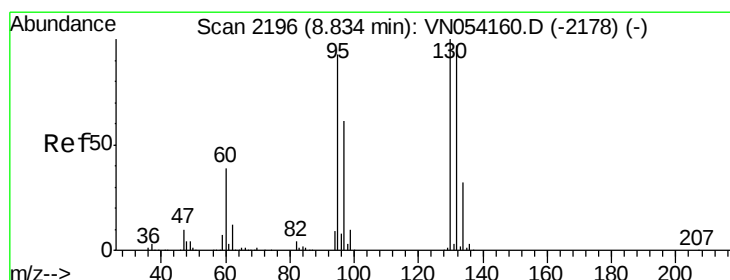
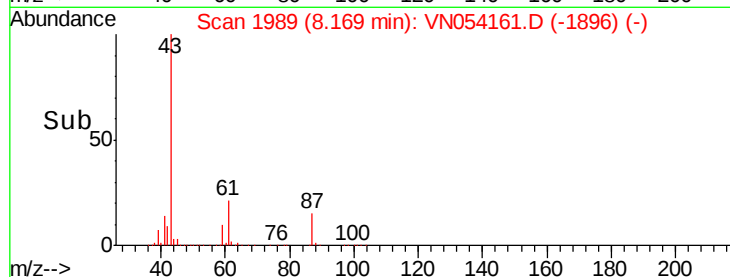
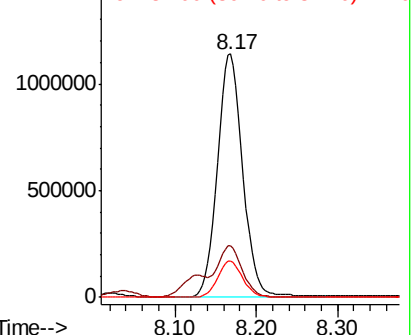


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 102.118 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054161.D

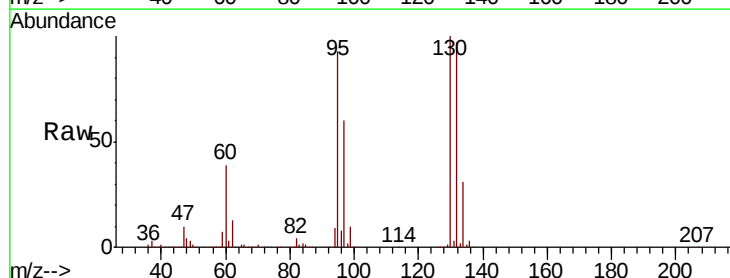
Acq: 12 Mar 2019 11:47

Tgt Ion: 130 Resp: 2033639

Ion Ratio Lower Upper

130 100

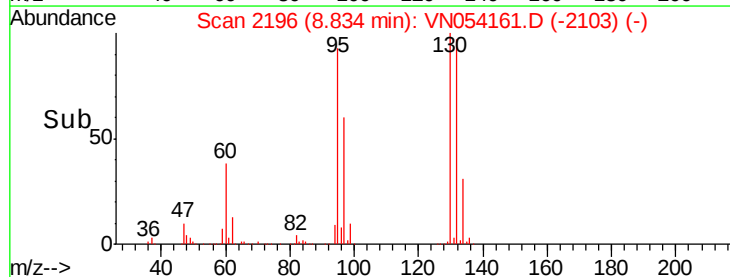
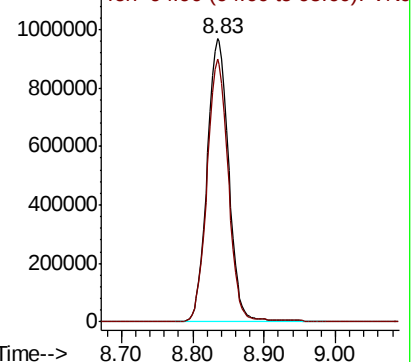
95 92.8 0.0 185.2

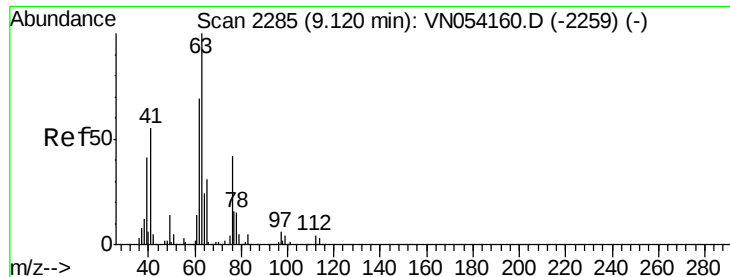


Abundance

Ion 129.80 (129.50 to 130.50): VN0

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 104.578 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 1664697

Ion Ratio Lower Upper

63 100

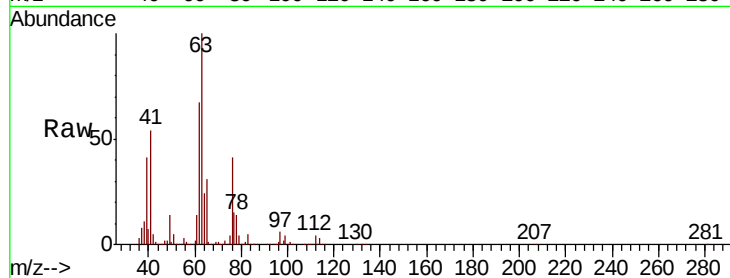
65 30.6 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN054161.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054161.D (-2192) (-)

9.12

800000

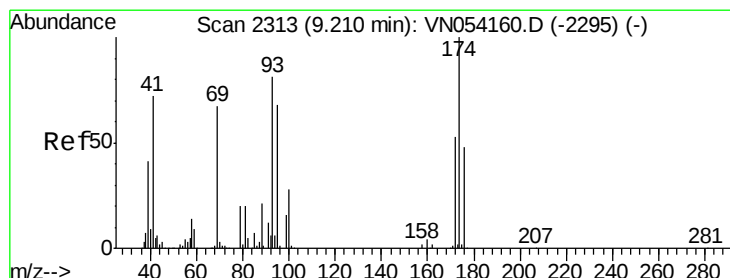
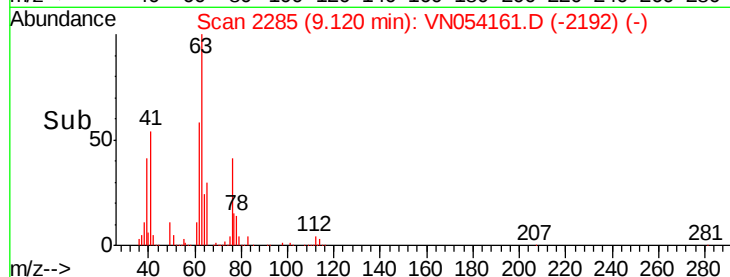
600000

400000

200000

0

Time--> 8.90 9.00 9.10 9.20 9.30



#46

Dibromomethane

Concen: 102.865 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

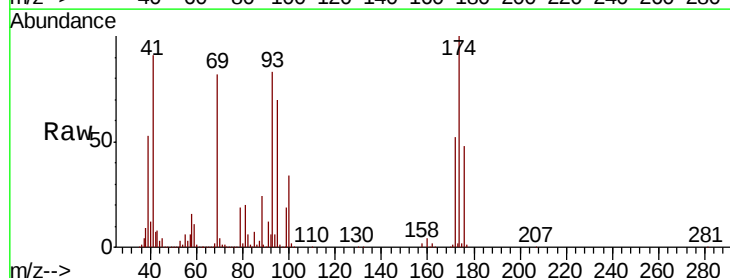
Tgt Ion: 93 Resp: 1106347

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 121.3 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054161.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054161.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054161.D (-2220) (-)

9.21

800000

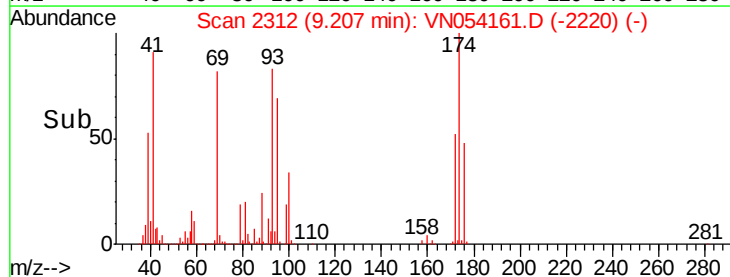
600000

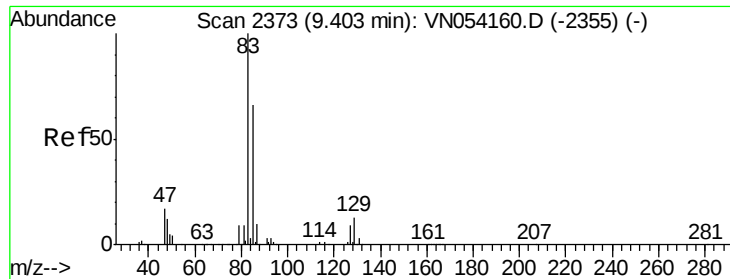
400000

200000

0

Time--> 9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 107.242 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

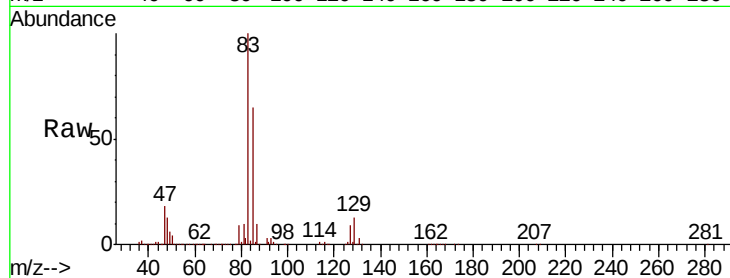
ClientSampleId :

VSTDIC100

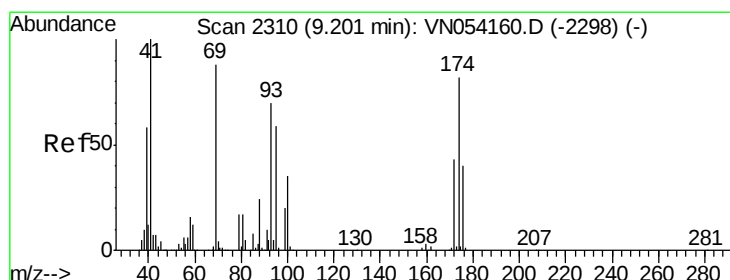
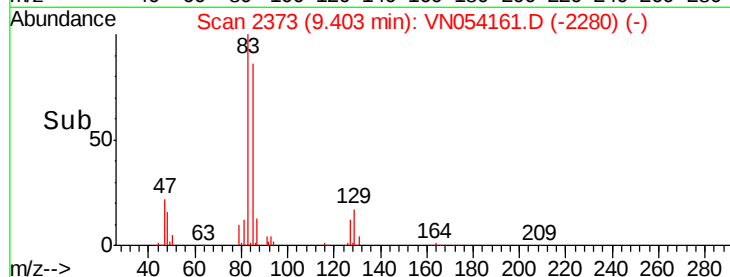
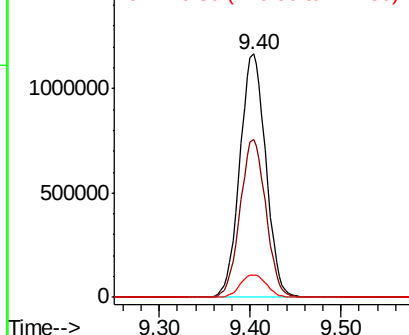
Tgt Ion:	83	Resp:	2312313
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.8	79.2
127	9.4	7.4	11.2

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 108.391 ug/l

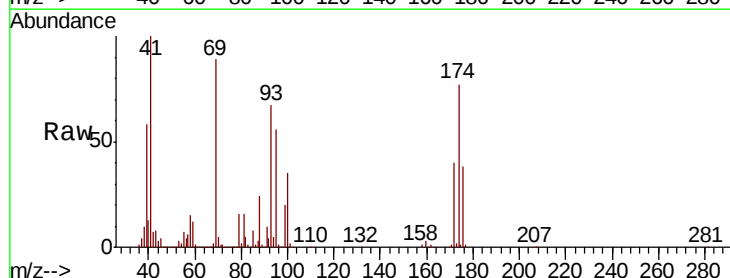
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

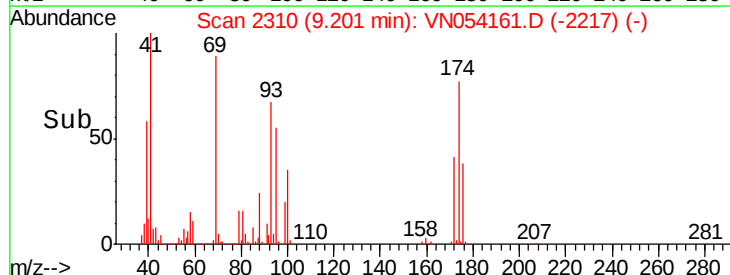
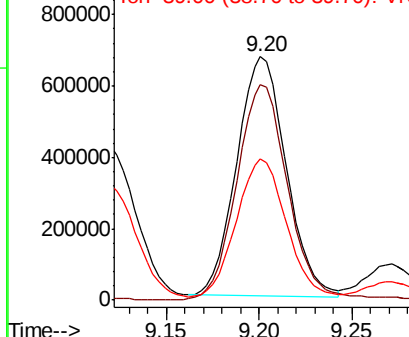
Lab File: VN054161.D

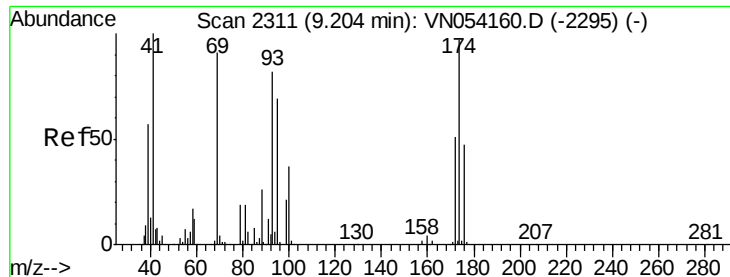
Acq: 12 Mar 2019 11:47

Tgt Ion:	41	Resp:	1242827
Ion	Ratio	Lower	Upper
41	100		
69	93.3	72.6	108.8
39	60.7	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 2119.299 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

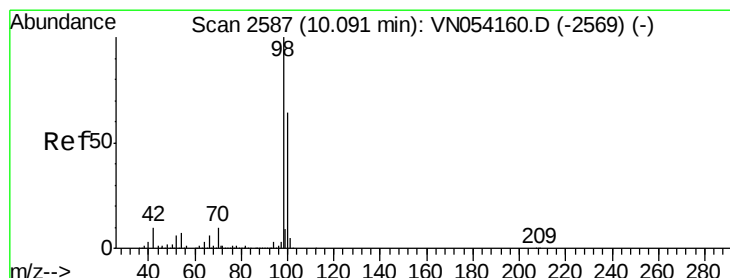
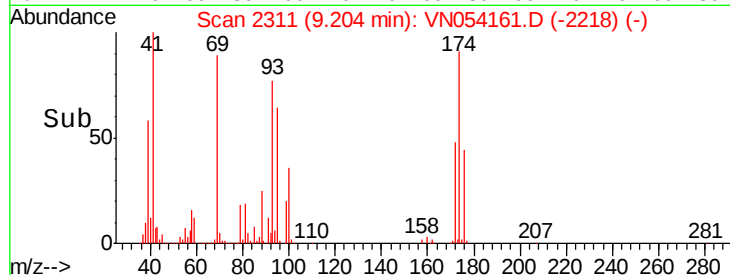
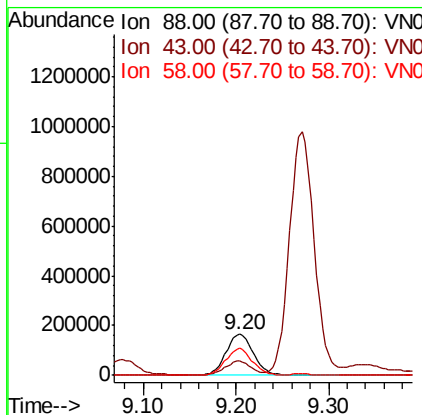
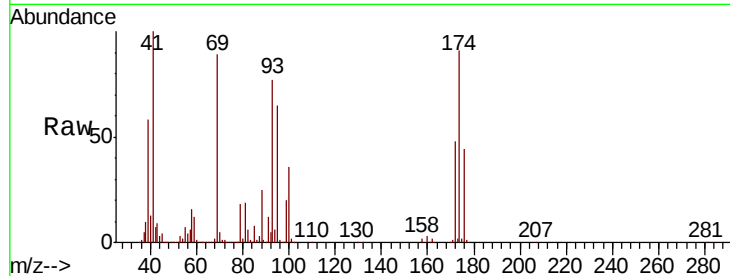
ClientSampleId :

VSTDIC100

Tgt Ion:	88	Resp:	343724
Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.1	36.1
58	63.3	50.8	76.2

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#50

Toluene-d8

Concen: 101.789 ug/l

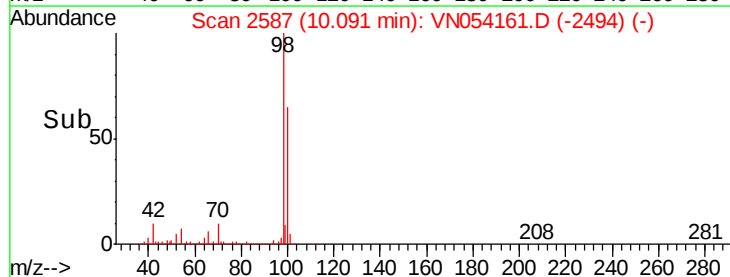
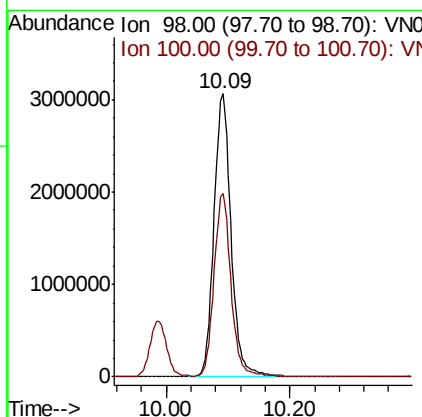
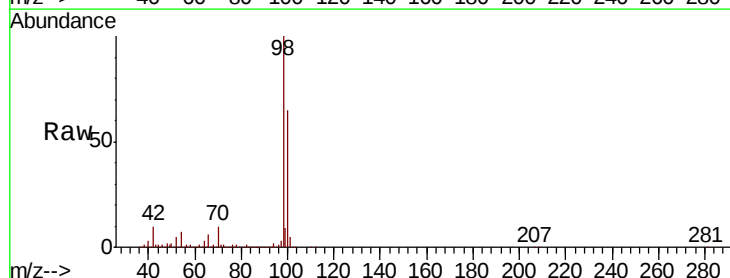
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Tgt Ion:	98	Resp:	5898013
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





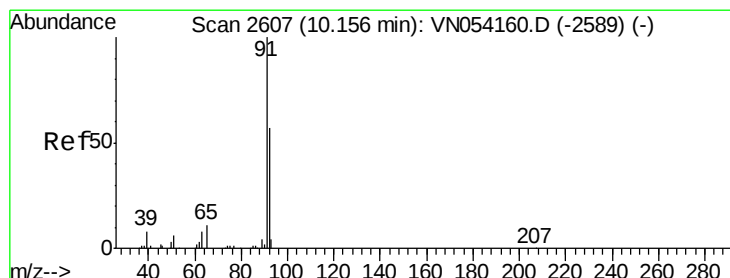
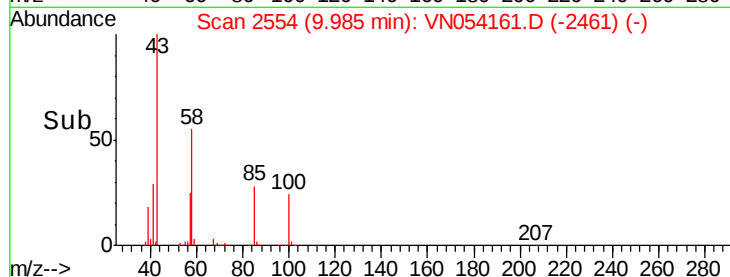
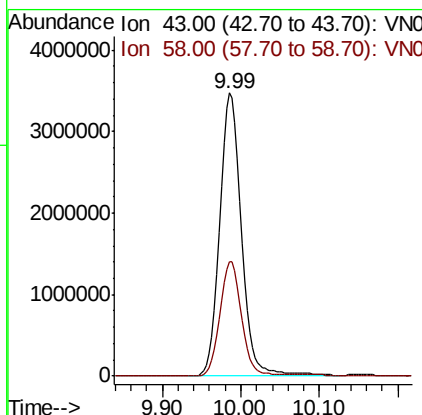
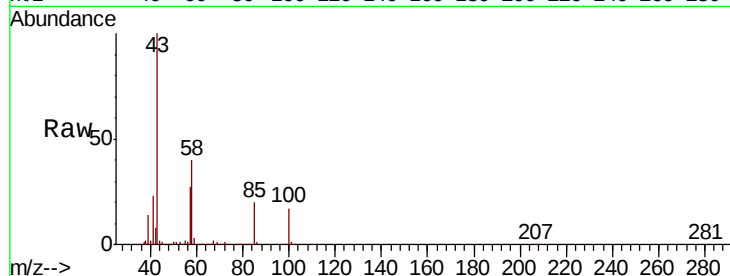
#51
4-Methyl-2-Pentanone
Concen: 552.856 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 6610483
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.6

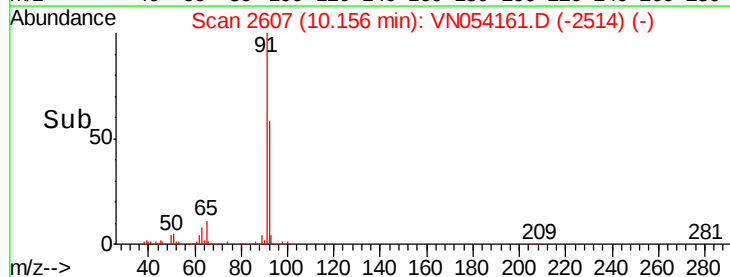
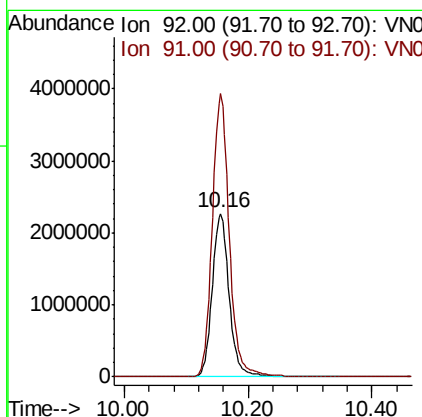
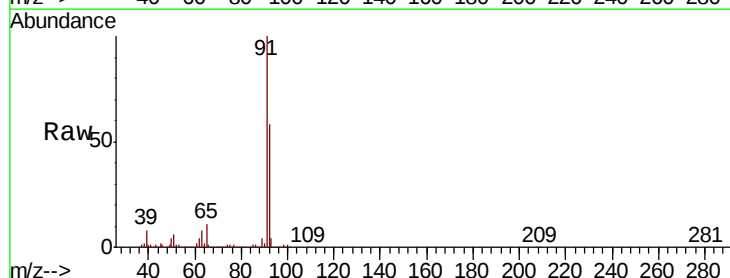
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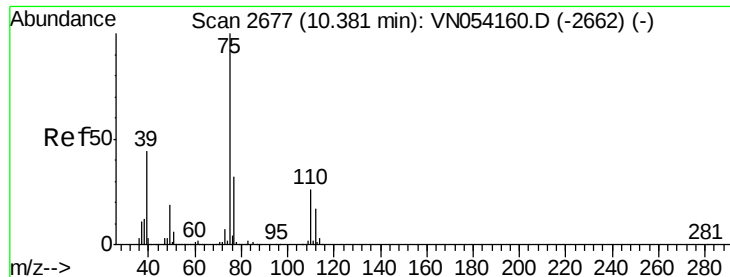
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#52
Toluene
Concen: 105.637 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 92 Resp: 4293916
Ion Ratio Lower Upper
92 100
91 174.2 140.7 211.1





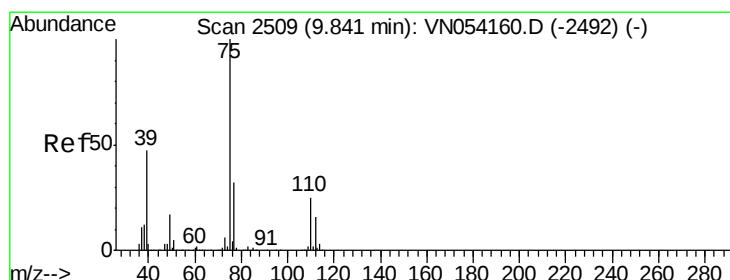
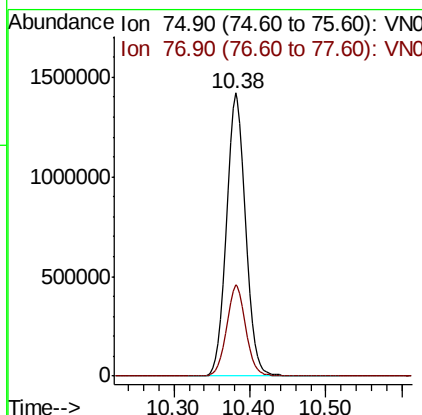
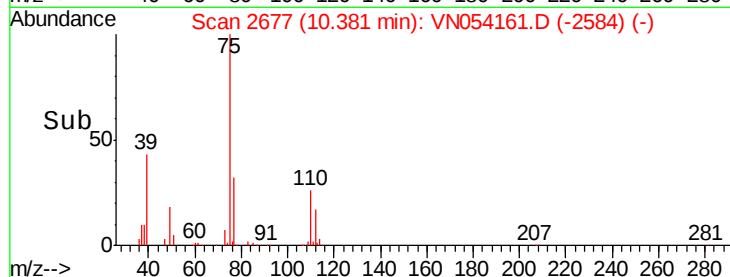
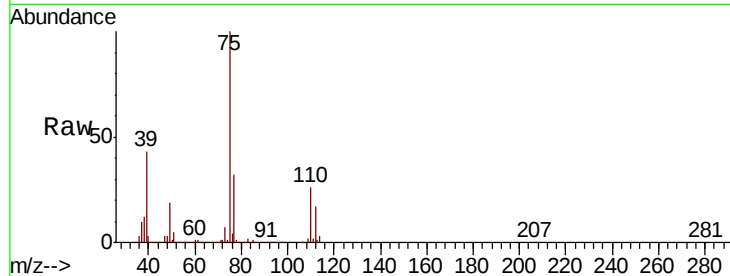
#53
t-1,3-Dichloropropene
Concen: 99.610 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 2507109
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

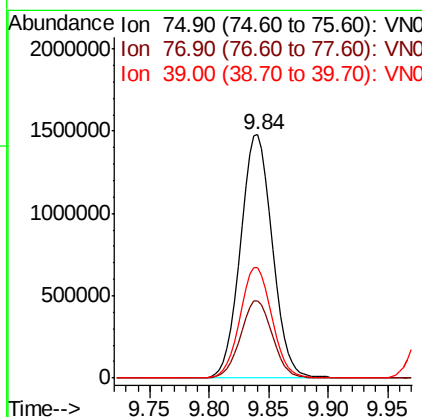
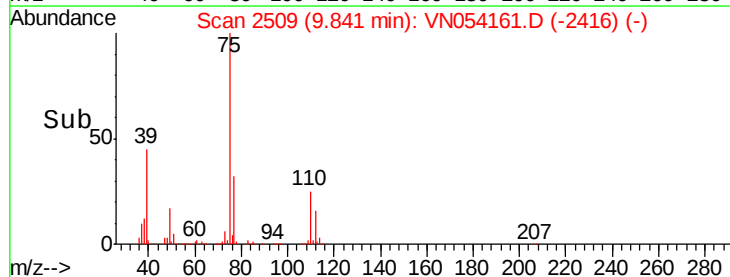
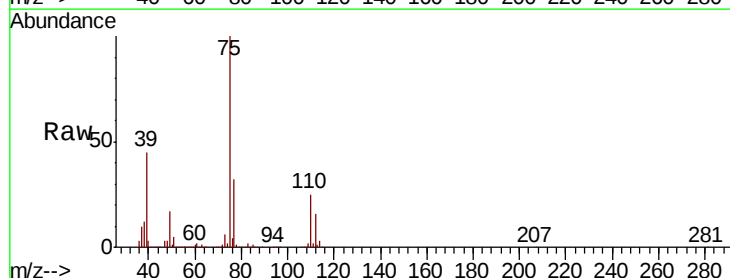
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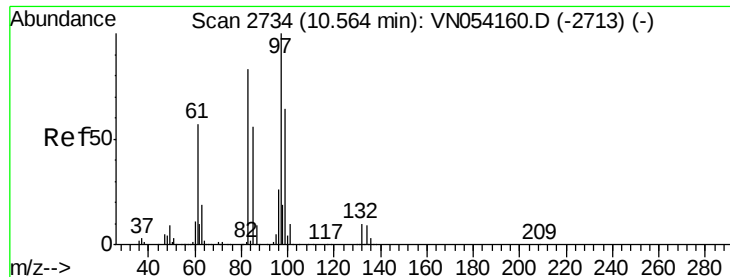
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#54
cis-1,3-Dichloropropene
Concen: 109.421 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 75 Resp: 2749310
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 45.2 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 104.391 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 97 Resp: 1549373

Ion Ratio Lower Upper

97 100

83 83.9 66.6 100.0

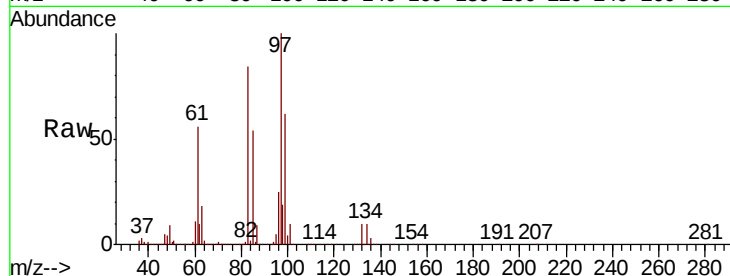
85 53.9 44.4 66.6

99 62.1 50.8 76.2

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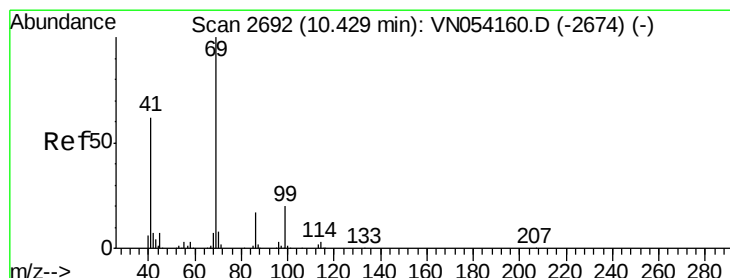
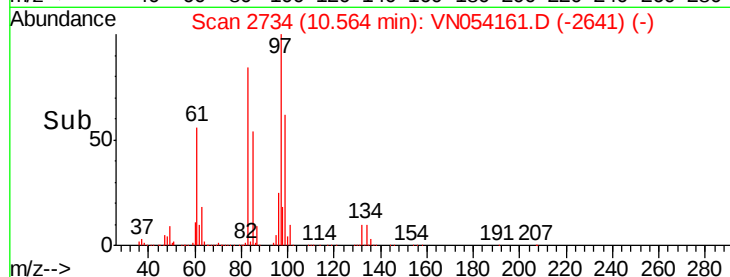
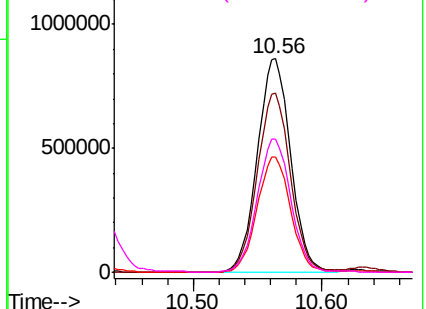


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 112.311 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

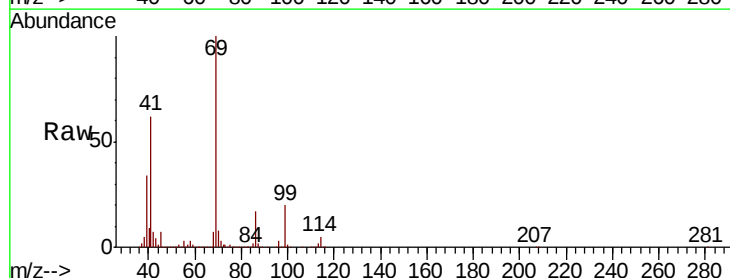
Tgt Ion: 69 Resp: 1987602

Ion Ratio Lower Upper

69 100

41 61.6 49.4 74.2

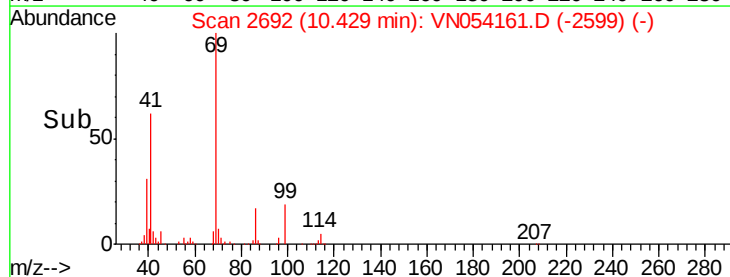
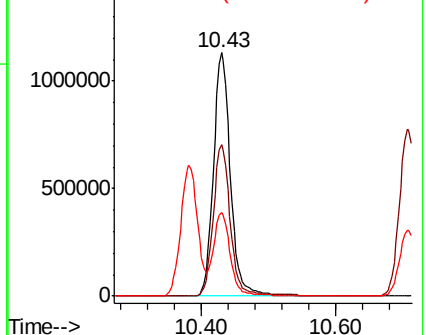
39 34.0 28.3 42.5

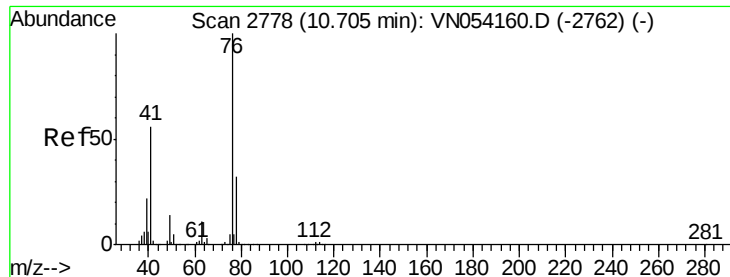


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





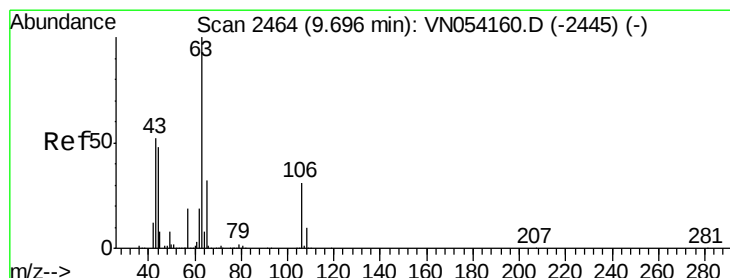
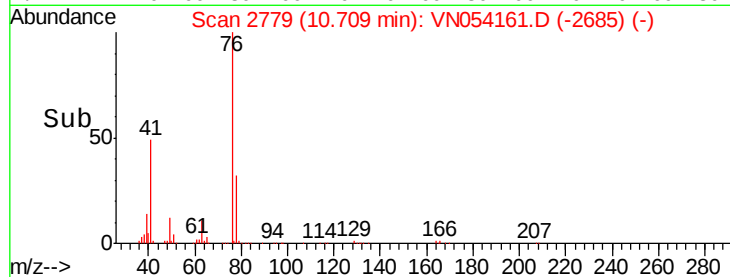
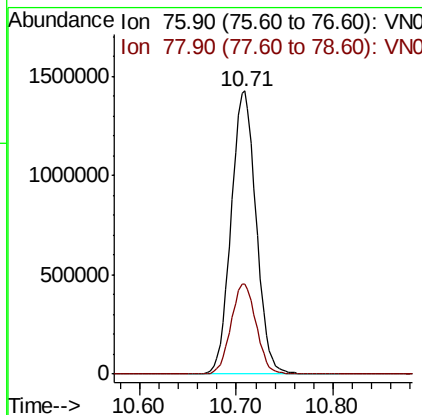
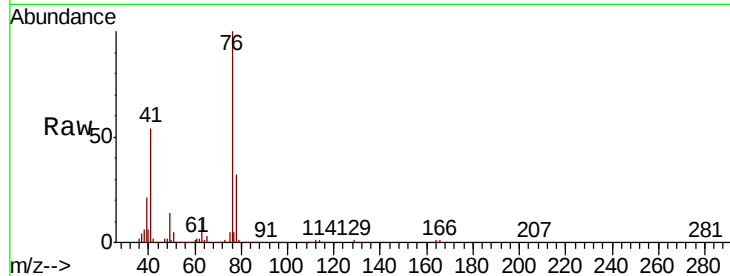
#57
 1,3-Dichloropropane
 Concen: 105.403 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 2557999
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

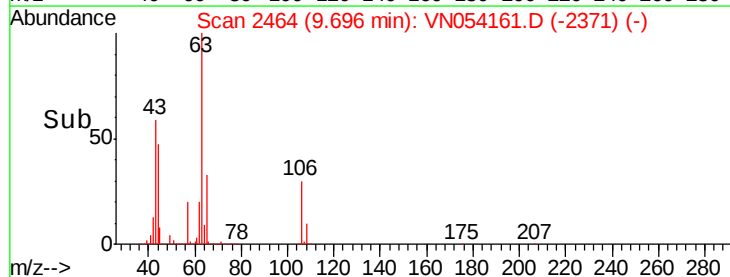
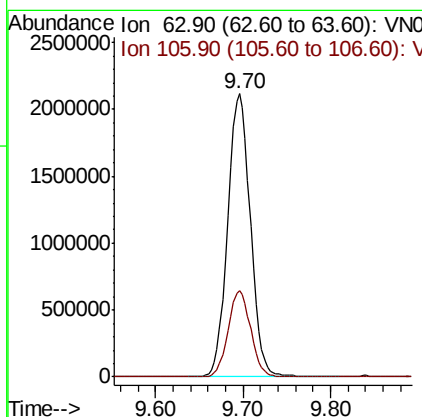
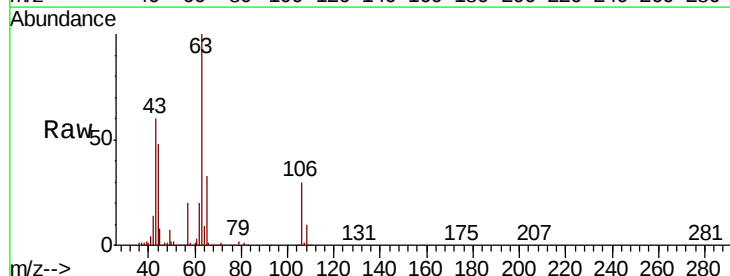
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#58
 2-Chloroethyl Vinyl ether
 Concen: 479.688 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Tgt Ion: 63 Resp: 3810248
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.4 36.6





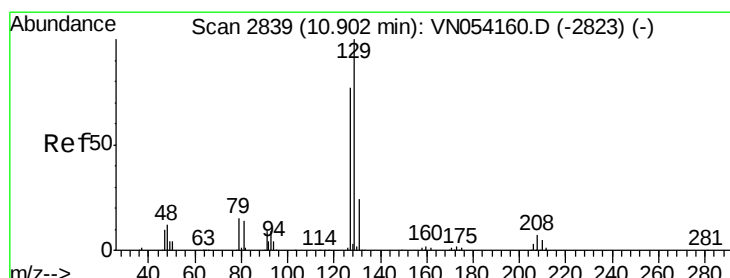
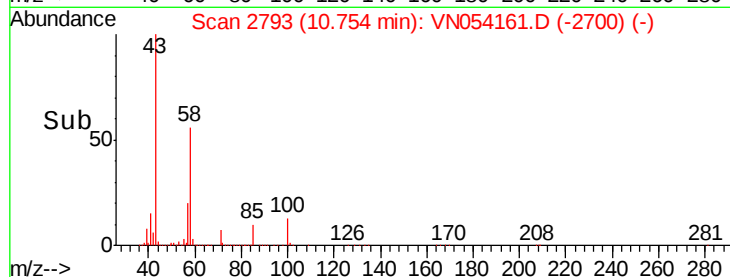
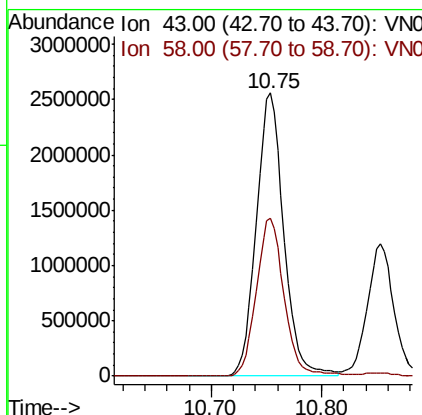
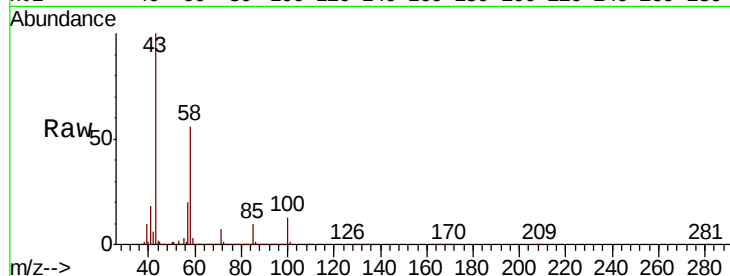
#59
2-Hexanone
Concen: 554.694 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 4413220
Ion Ratio Lower Upper
43 100
58 56.6 28.0 83.9

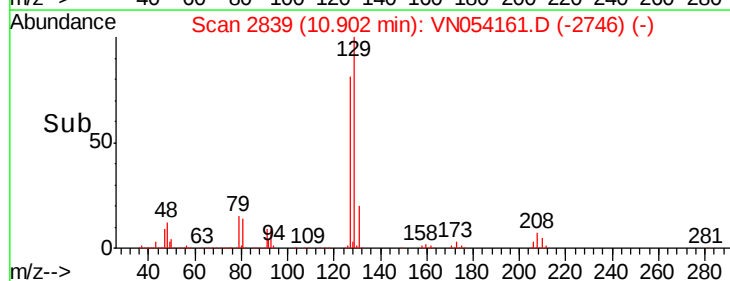
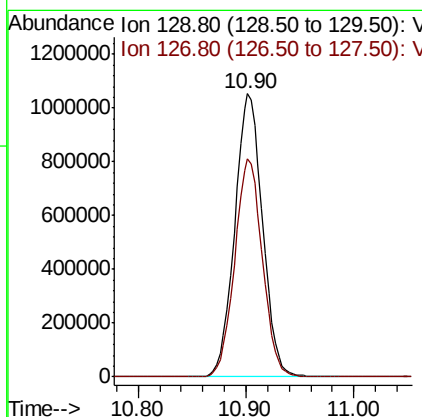
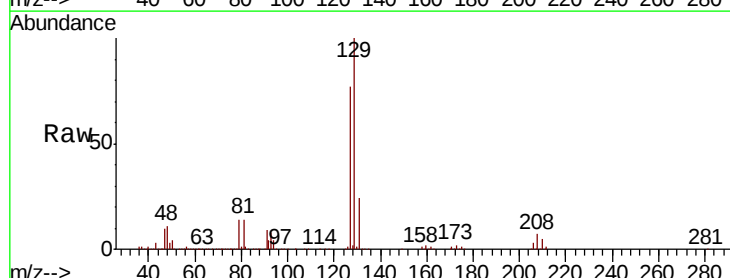
Manual Integrations
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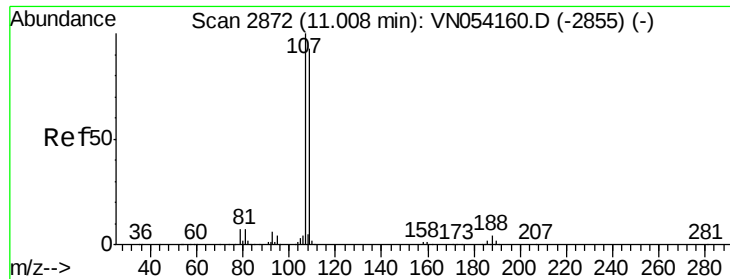
MMDadoda
3/13/2019 11:49:17 AM



#60
Dibromochloromethane
Concen: 113.123 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 129 Resp: 1889799
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





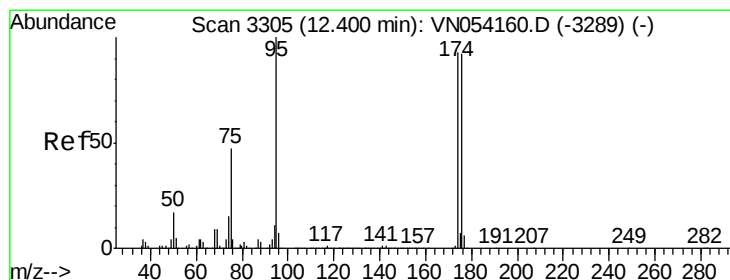
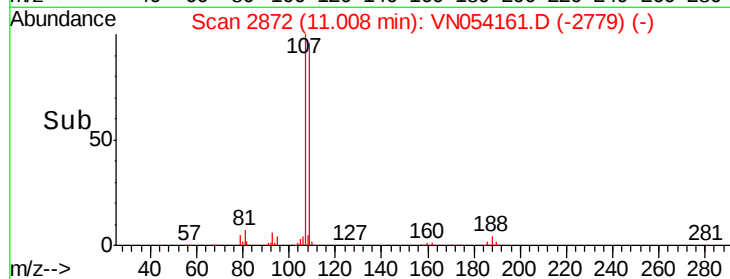
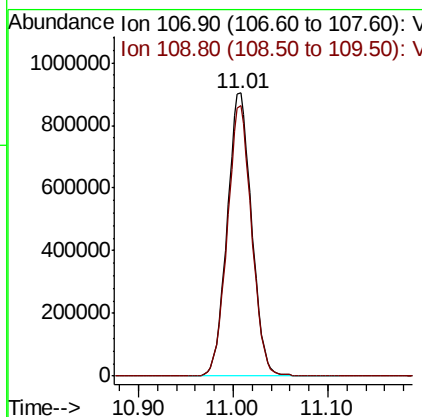
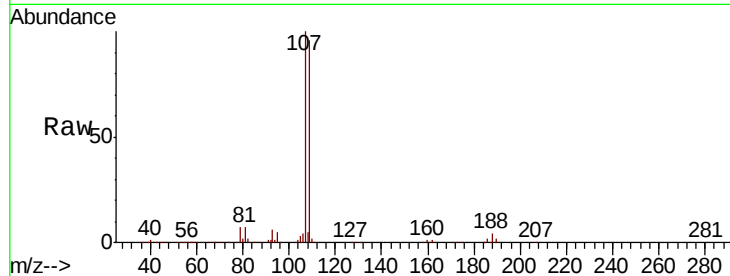
#61
1,2-Dibromoethane
Concen: 107.529 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 107 Resp: 1621840
Ion Ratio Lower Upper
107 100
109 95.1 75.9 113.9

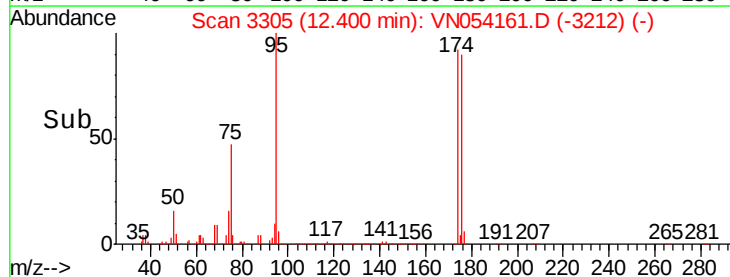
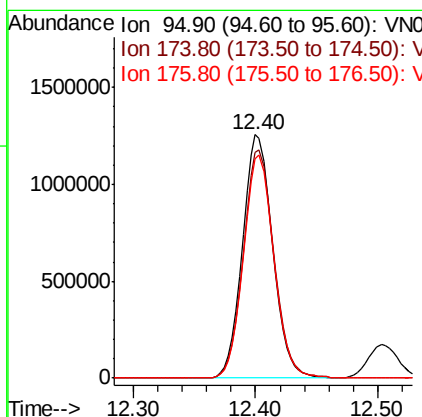
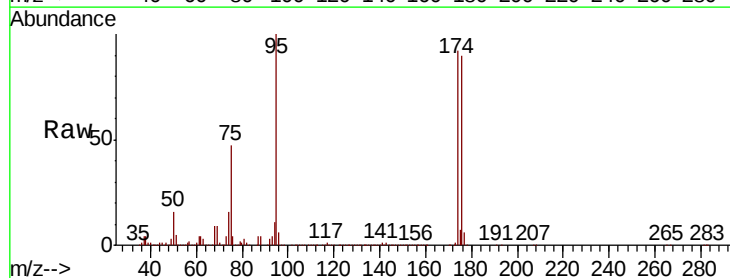
Manual Integrations
APPROVED

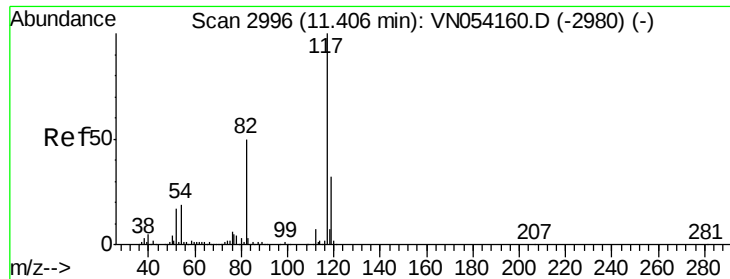
MMDadoda
3/13/2019 11:49:17 AM



#62
4-Bromofluorobenzene
Concen: 105.197 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 95 Resp: 2132815
Ion Ratio Lower Upper
95 100
174 94.9 0.0 191.0
176 92.5 0.0 187.4





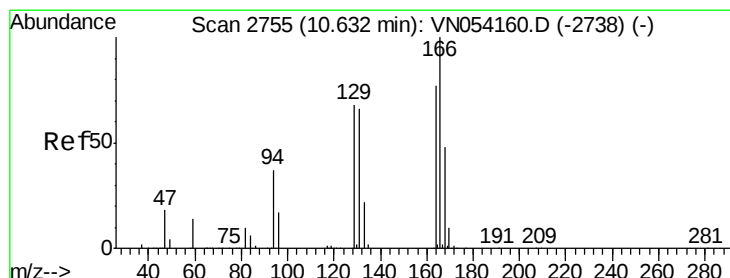
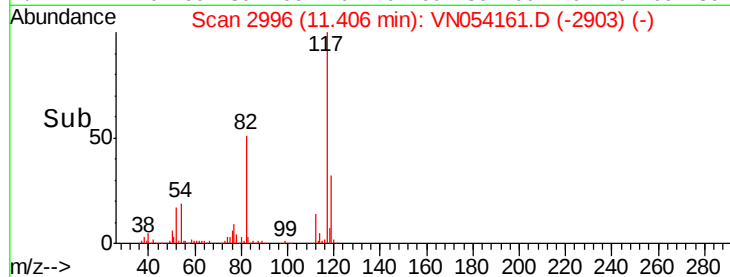
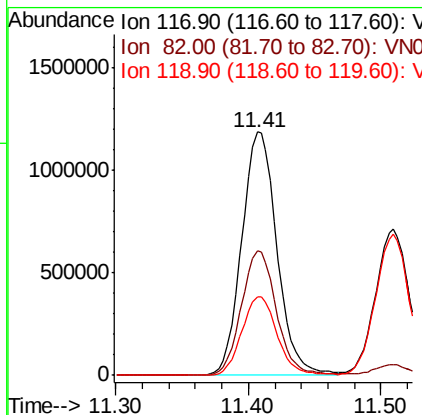
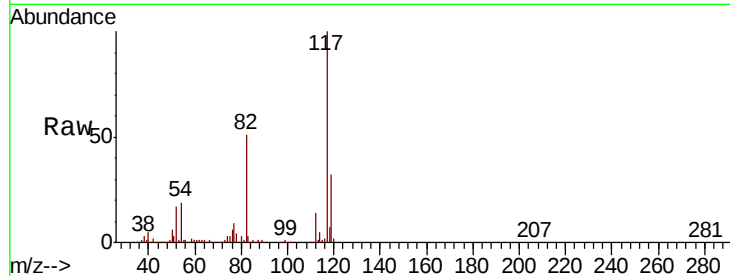
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 2194633
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.3 25.8 38.6

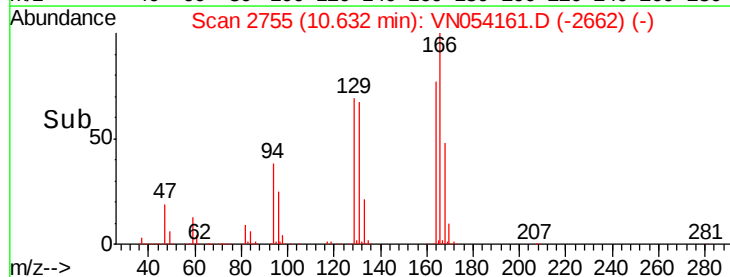
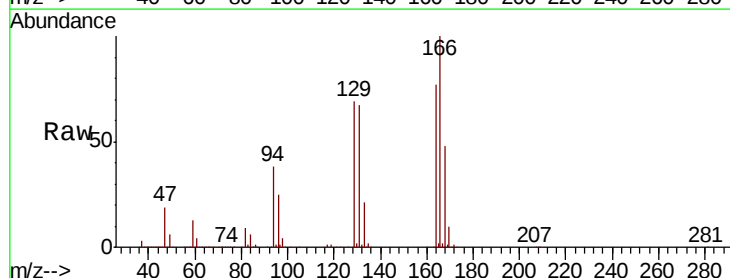
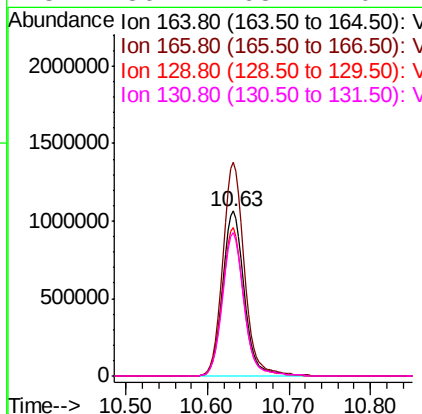
Manual Integrations
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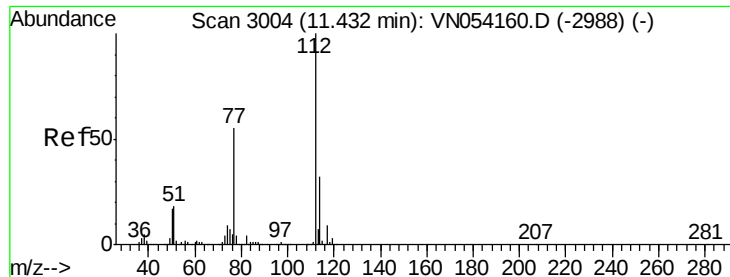
MMDadoda
3/13/2019 11:49:17 AM



#64
Tetrachloroethene
Concen: 94.861 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion:164 Resp: 2012839
Ion Ratio Lower Upper
164 100
166 129.8 103.9 155.9
129 90.0 71.1 106.7
131 86.7 68.2 102.4





#65

Chlorobenzene

Concen: 102.789 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 4953208

Ion Ratio Lower Upper

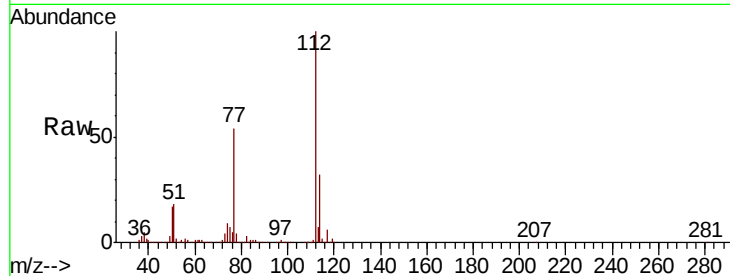
112 100

114 32.4 25.9 38.9

Manual Integrations
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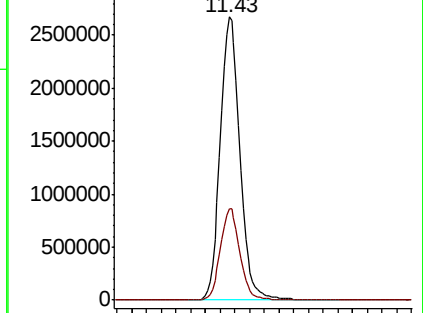
MMDadoda

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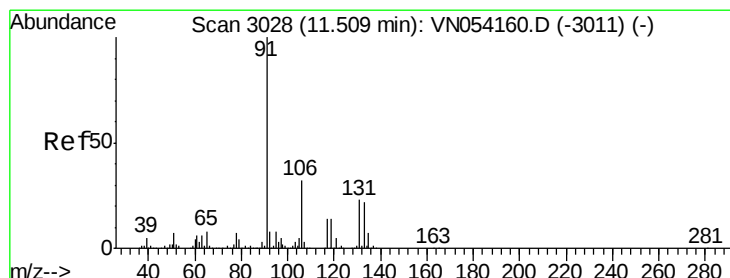
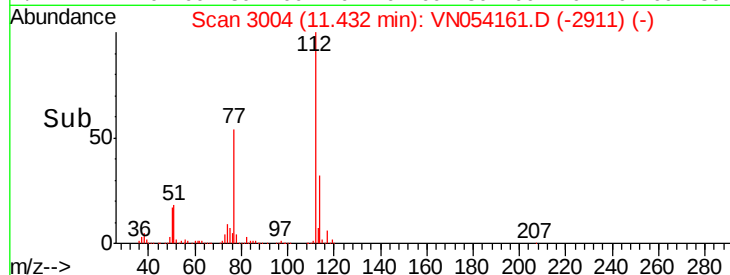


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 106.589 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

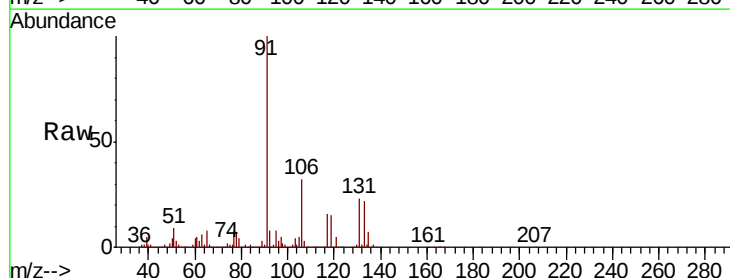
Tgt Ion:131 Resp: 1865892

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

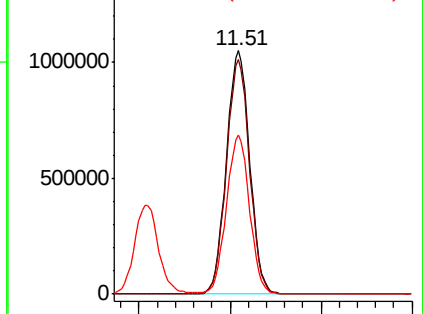
119 65.2 32.4 97.0



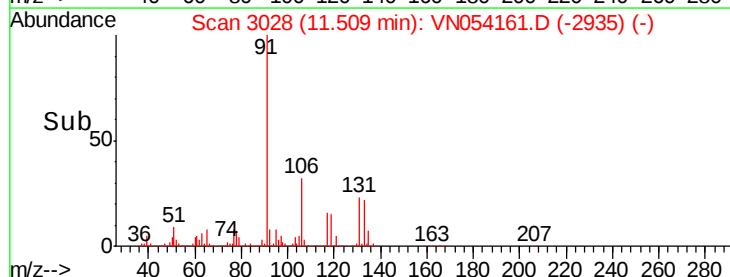
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 103.267 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 8249002

Ion Ratio Lower Upper

91 100

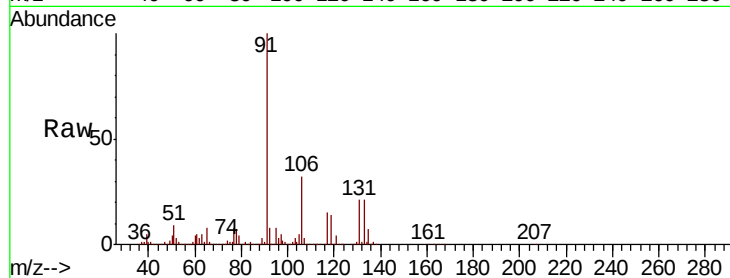
106 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054161.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN054161.D (-2936) (-)

6000000

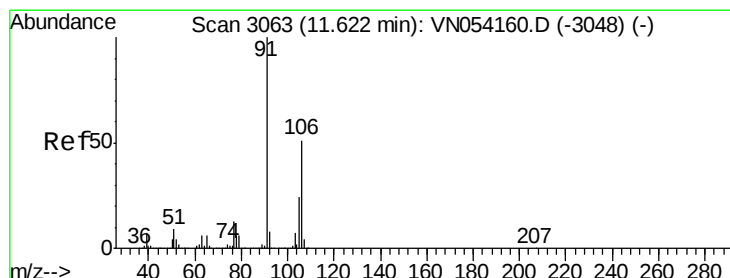
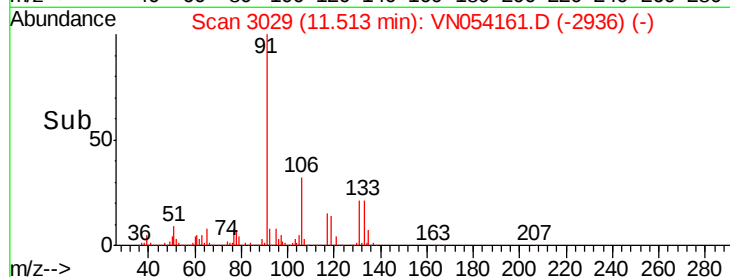
4000000

2000000

0

11.40 11.50 11.60

Time-->



#68

m/p-Xylenes

Concen: 207.928 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054161.D

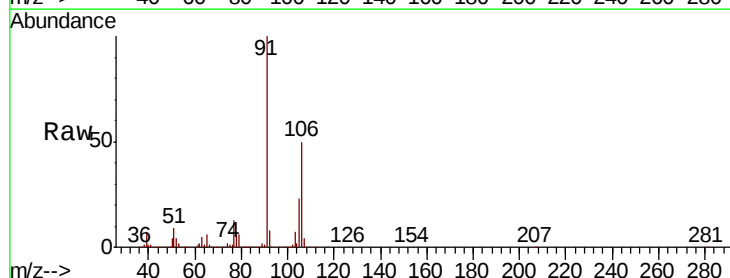
Acq: 12 Mar 2019 11:47

Tgt Ion: 106 Resp: 6491686

Ion Ratio Lower Upper

106 100

91 199.8 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054161.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN054161.D (-2970) (-)

6000000

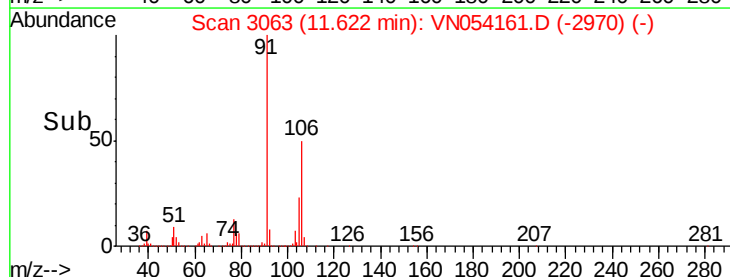
4000000

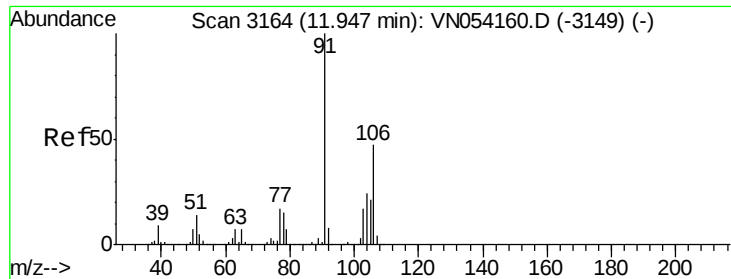
2000000

0

11.50 11.60 11.70 11.80

Time-->





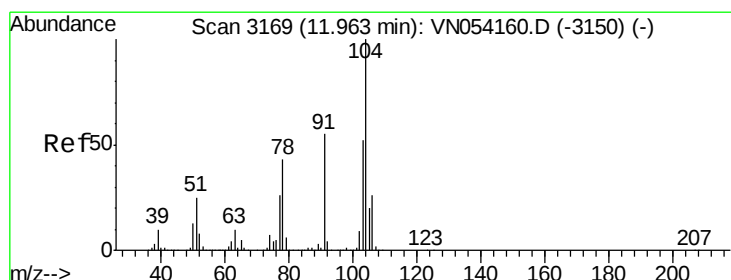
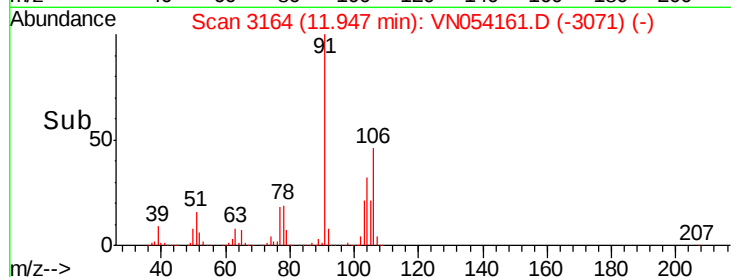
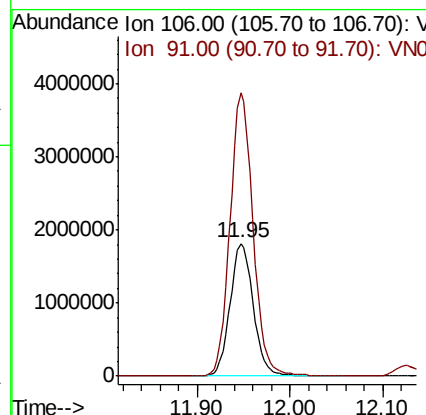
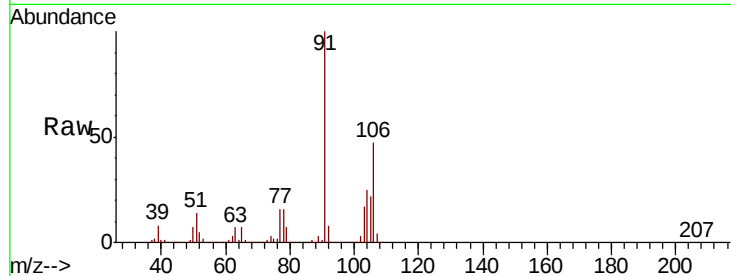
#69
o-Xylene
Concen: 103.670 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion:106 Resp: 3155206
Ion Ratio Lower Upper
106 100
91 211.1 105.7 317.1

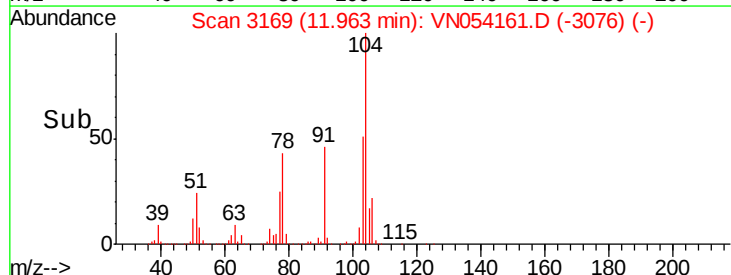
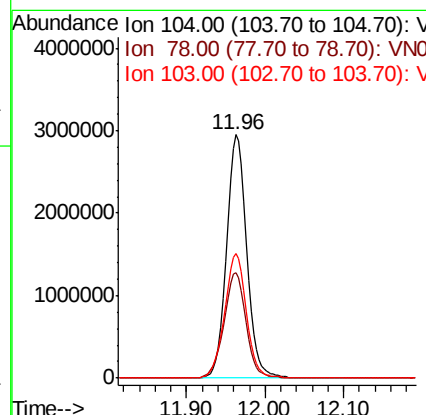
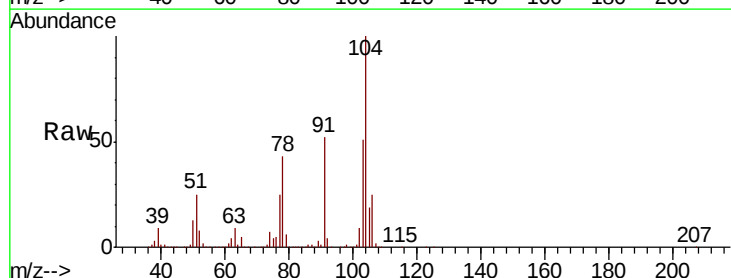
Manual Integrations
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#70
Styrene
Concen: 108.909 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion:104 Resp: 5198473
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 99.120 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 1355018

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.2

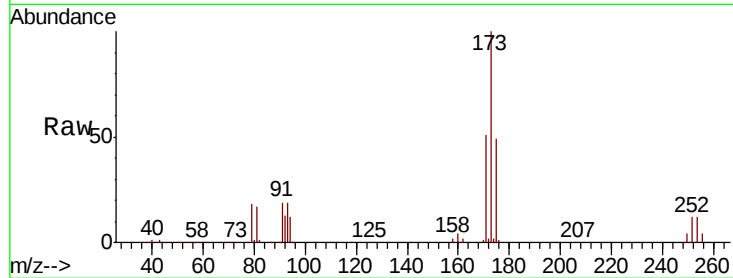
254 0.2 0.1 0.1#

Manual Integrations

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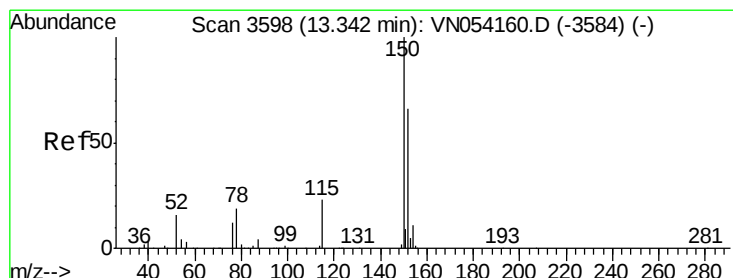
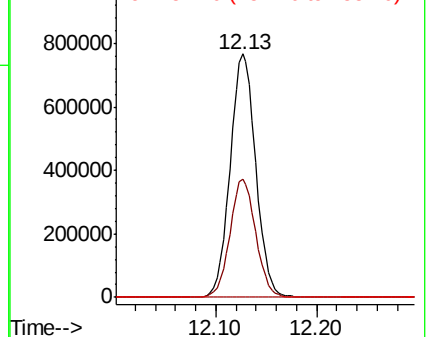
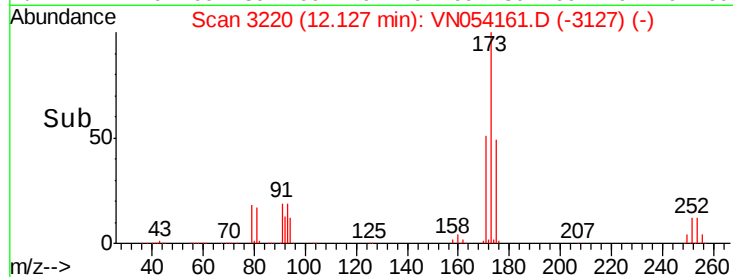


Abundance

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# 3598

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

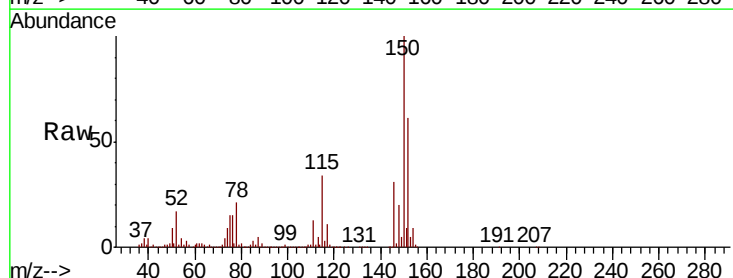
Tgt Ion:152 Resp: 1101153

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

150 195.2 0.0 349.2

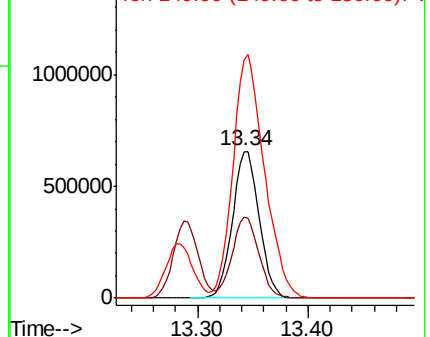
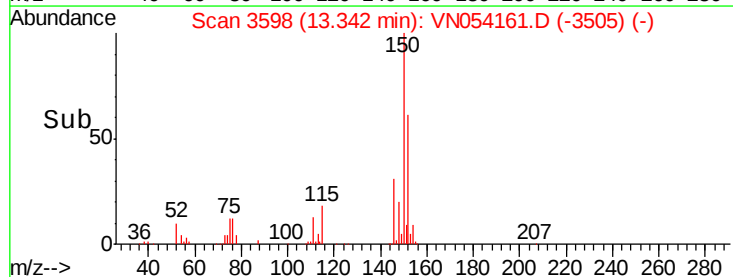


Abundance

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: 94.832 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tgt Ion:105 Resp: 8354645

Ion Ratio Lower Upper

105 100

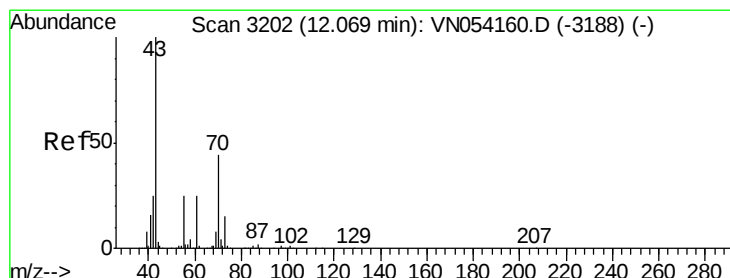
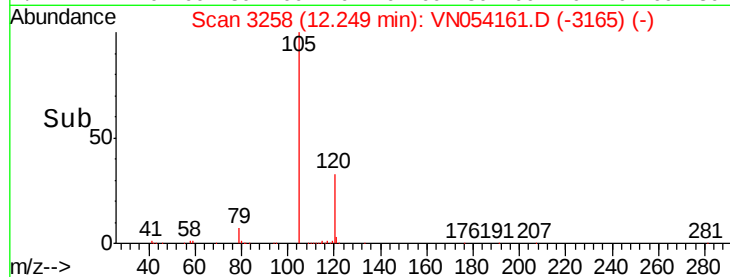
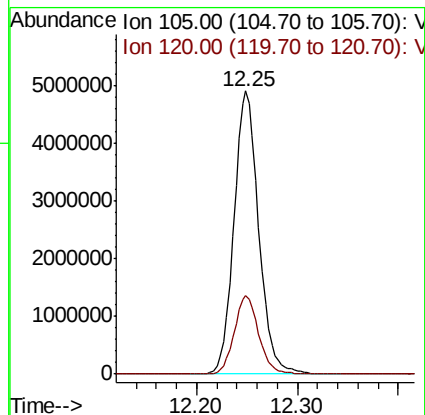
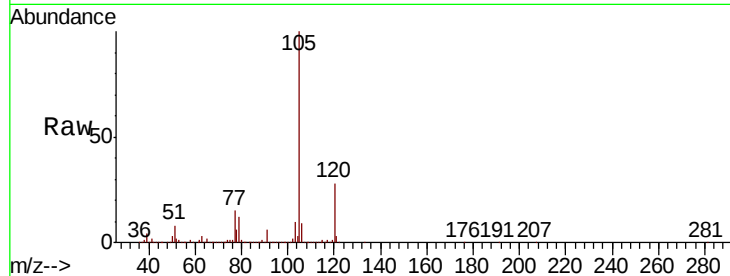
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 107.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Tgt Ion: 43 Resp: 2097575

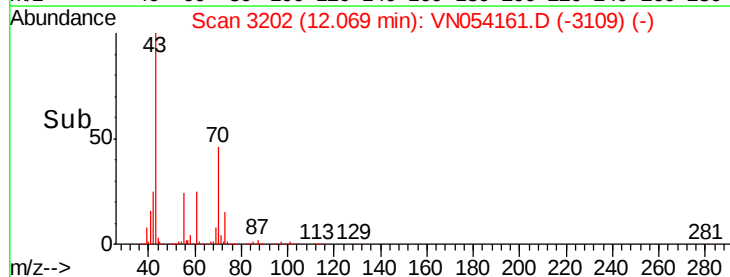
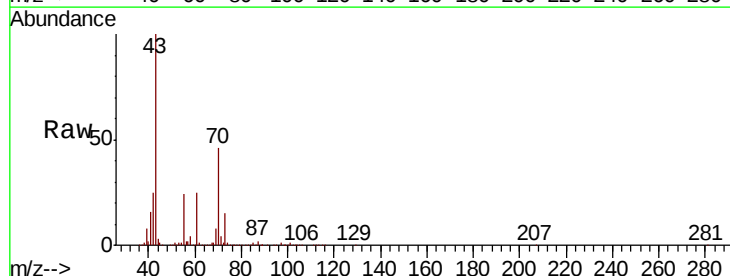
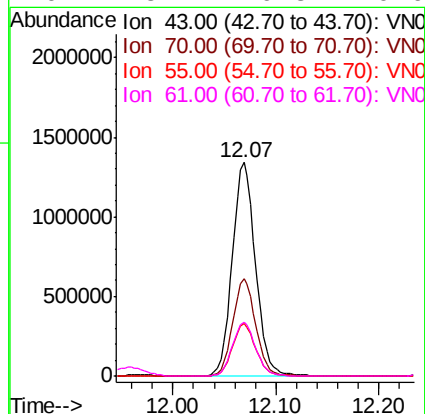
Ion Ratio Lower Upper

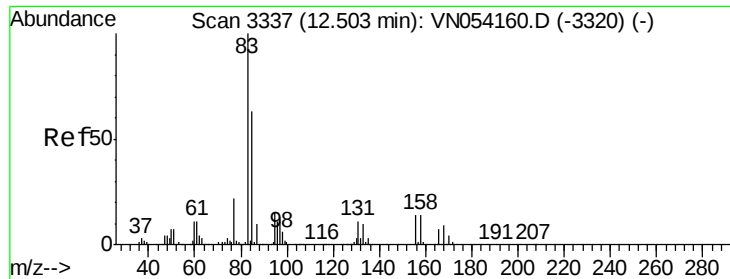
43 100

70 45.3 35.4 53.0

55 24.6 19.8 29.6

61 25.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 98.002 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 83 Resp: 1839492

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

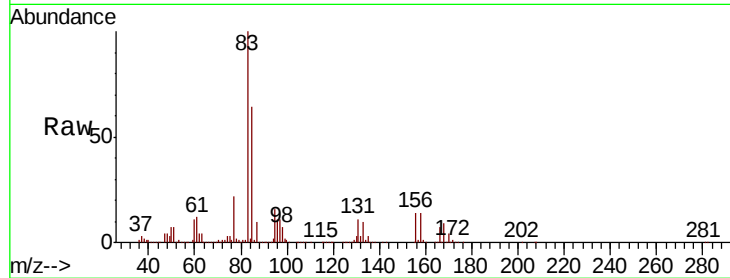
85 65.0 32.2 96.6

Manual Integrations

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MMDadoda

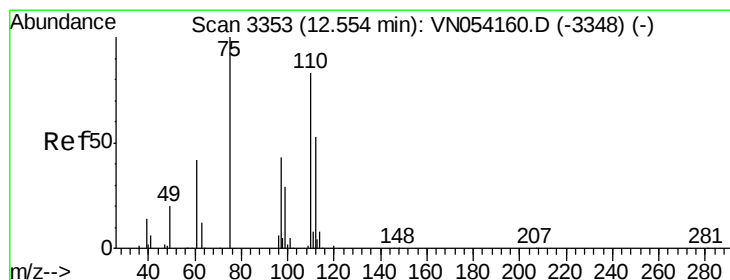
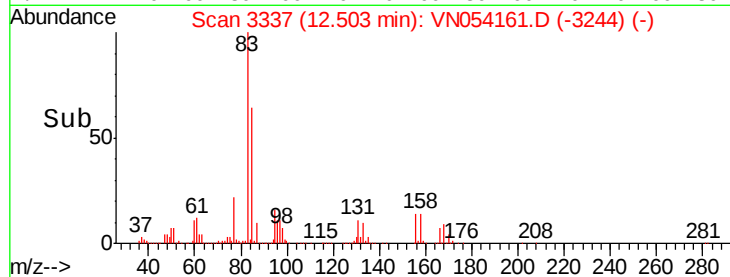
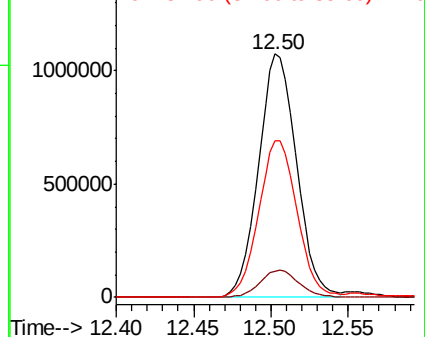
3/13/2019 11:49:17 AM



Abundance Ion 82.90 (82.60 to 83.60): VN054161.D (-3320) (-)

Ion 130.80 (130.50 to 131.50): VN054161.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054161.D (-3320) (-)



#76

1,2,3-Trichloropropane

Concen: 96.060 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054161.D

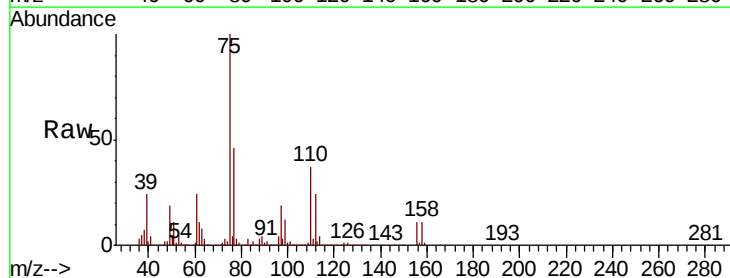
Acq: 12 Mar 2019 11:47

Tgt Ion: 75 Resp: 1575997

Ion Ratio Lower Upper

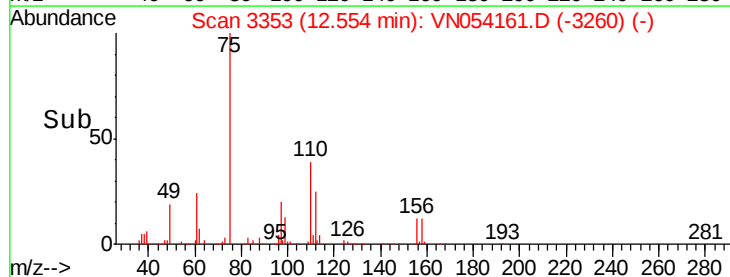
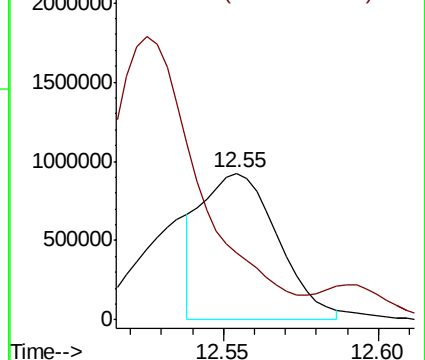
75 100

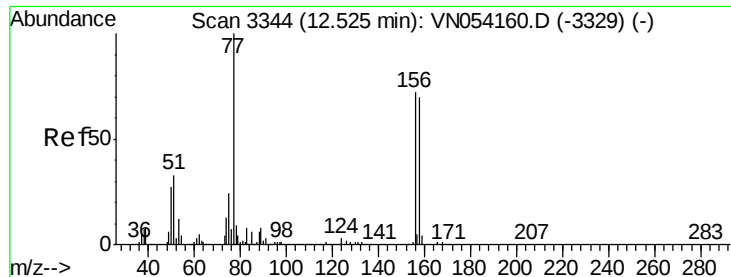
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054161.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054161.D (-3348) (-)





#77

Bromobenzene

Concen: 97.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:156 Resp: 2280925

Ion Ratio Lower Upper

156 100

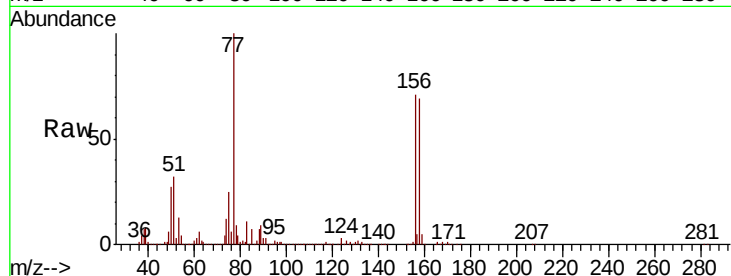
77 163.6 81.5 244.4

158 97.5 49.0 147.2

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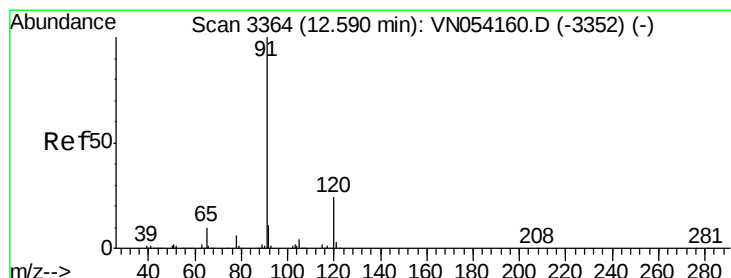
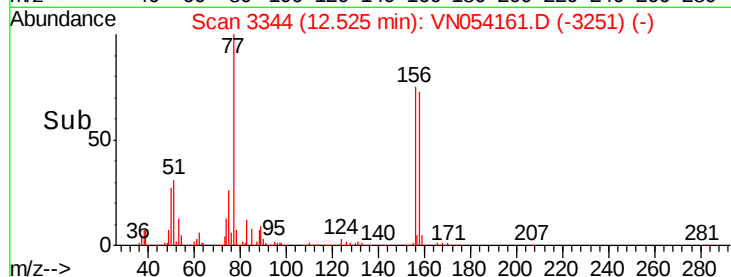
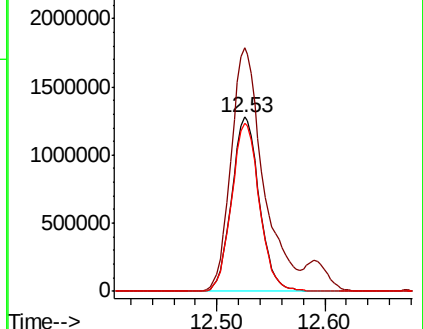
3/13/2019 11:49:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 98.228 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054161.D

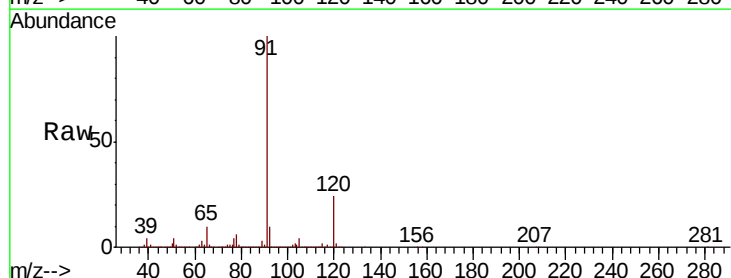
Acq: 12 Mar 2019 11:47

Tgt Ion: 91 Resp: 9389947

Ion Ratio Lower Upper

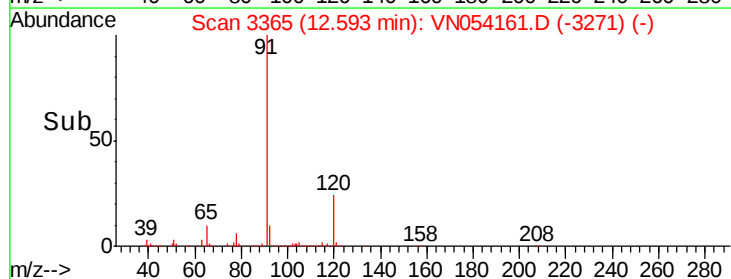
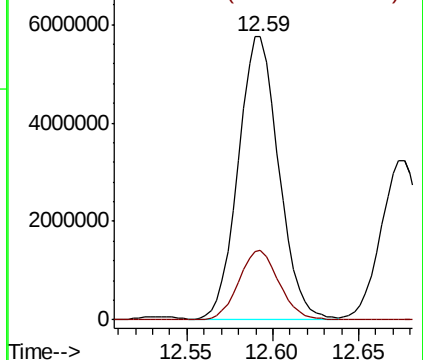
91 100

120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.204 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 5529554

Ion Ratio Lower Upper

91 100

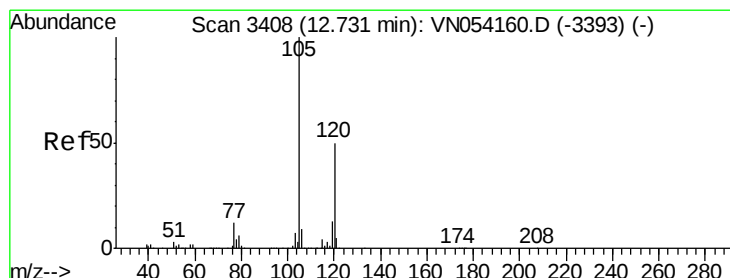
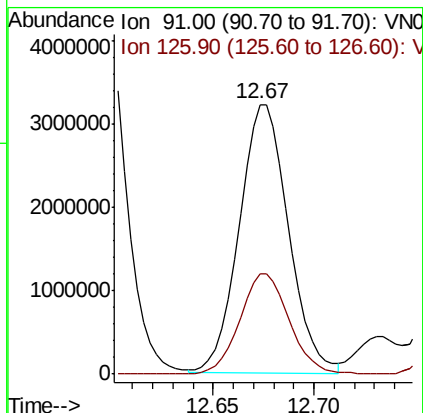
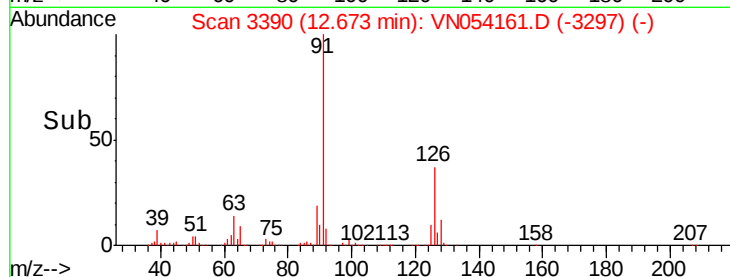
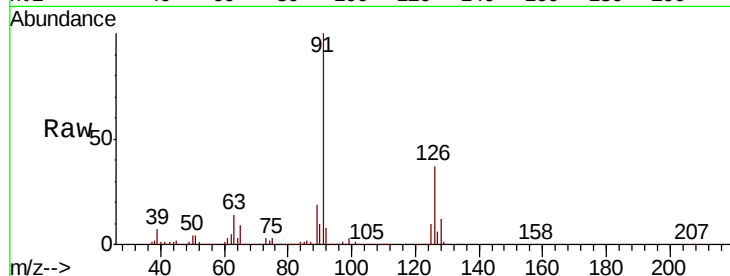
126 37.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 96.085 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054161.D

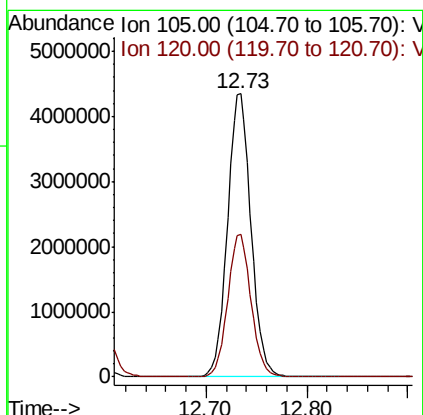
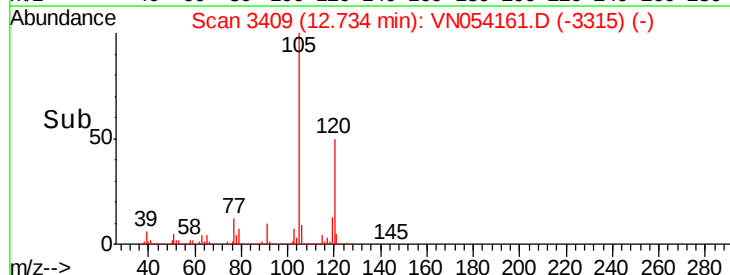
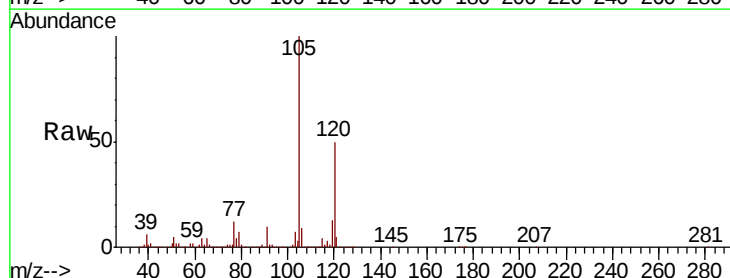
Acq: 12 Mar 2019 11:47

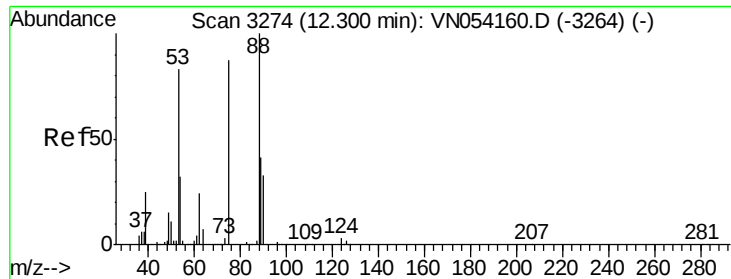
Tgt Ion: 105 Resp: 7041115

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 98.925 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

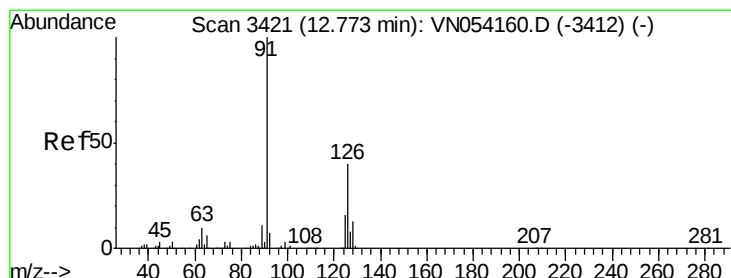
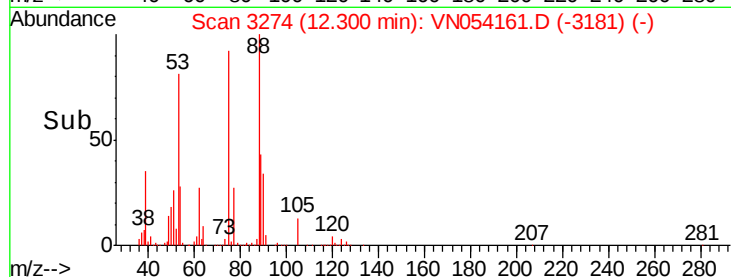
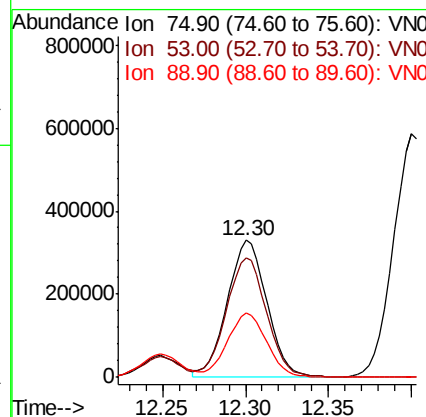
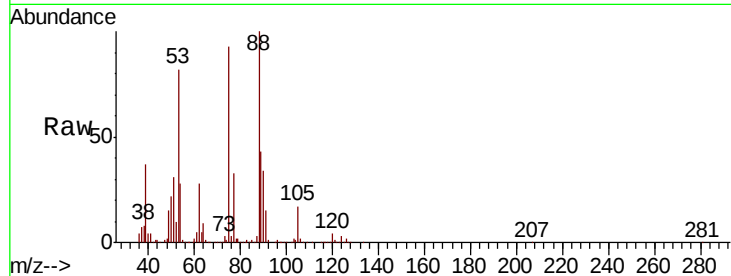
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	542921
Ion Ratio	Lower	Upper	
75	100		
53	89.9	76.2	114.2
89	47.2	39.2	58.8

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#82

4-Chlorotoluene

Concen: 99.921 ug/l

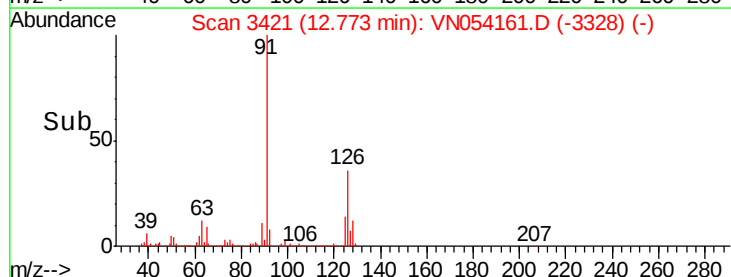
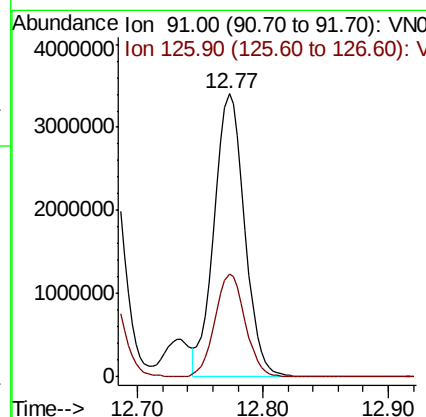
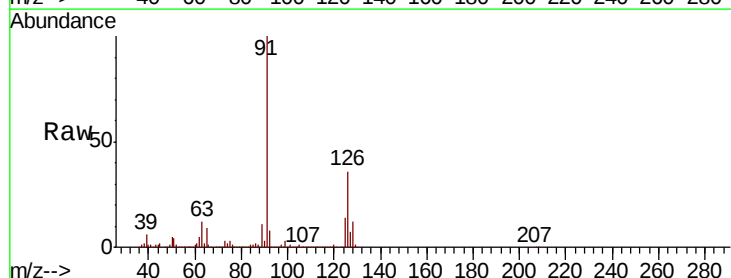
RT: 12.77 min Scan# 3421

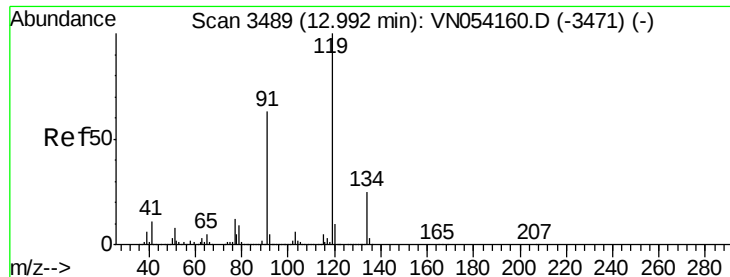
Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Tgt Ion:	91	Resp:	5734742
Ion Ratio	Lower	Upper	
91	100		
126	36.1	18.1	54.1





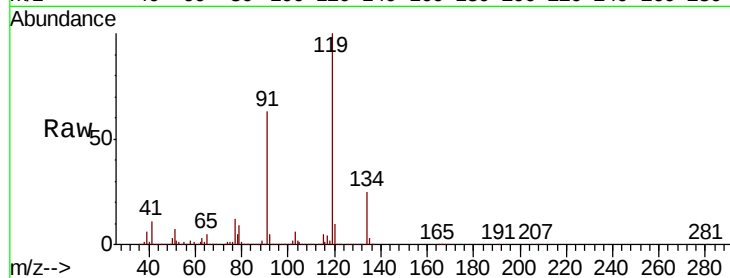
#83
tert-Butylbenzene
Concen: 93.669 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

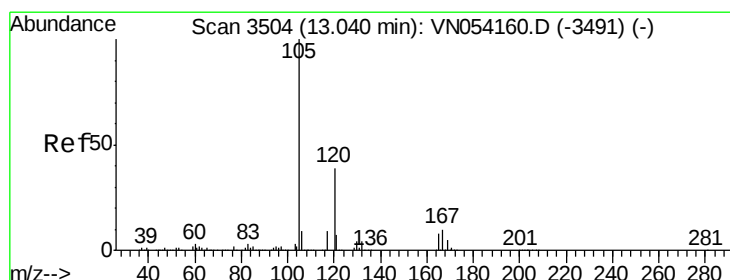
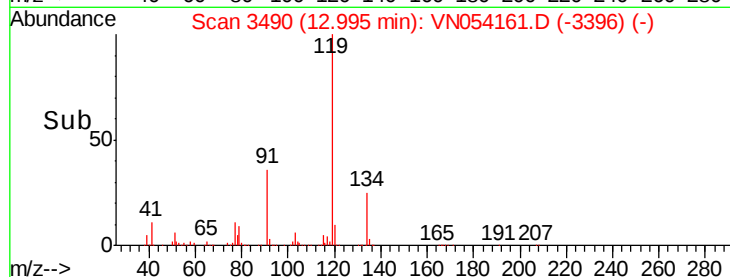
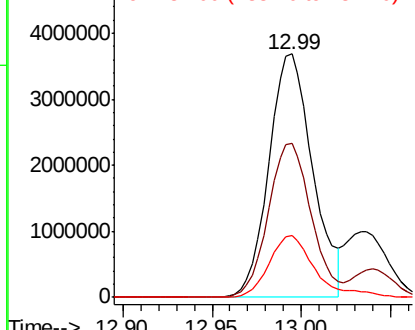
Tgt Ion:119 Resp: 6317987
Ion Ratio Lower Upper
119 100
91 62.3 30.9 92.8
134 26.5 13.2 39.6

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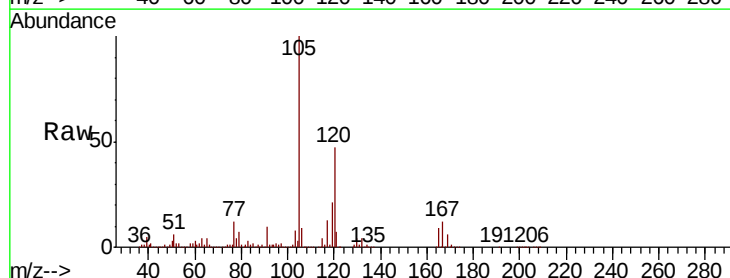


Abundance Ion 119.00 (118.70 to 119.70): V
5000000 Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

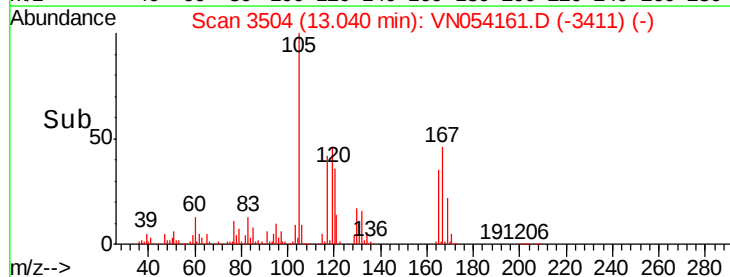
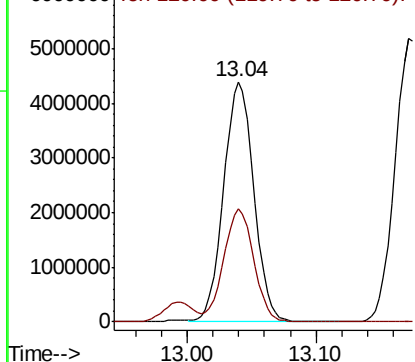


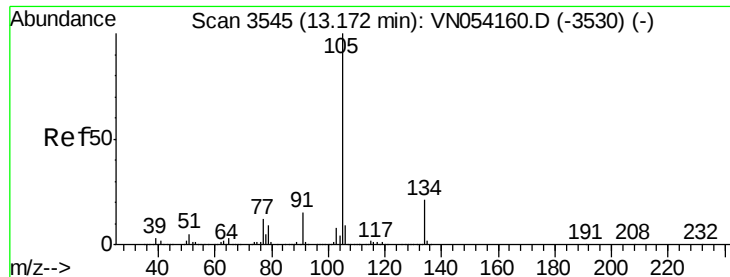
#84
1,2,4-Trimethylbenzene
Concen: 98.821 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion:105 Resp: 7104330
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
6000000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 95.703 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion:105 Resp: 8371435

Ion Ratio Lower Upper

105 100

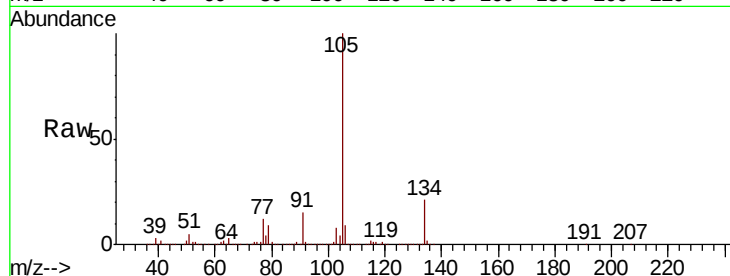
134 21.1 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

6000000

5000000

4000000

3000000

2000000

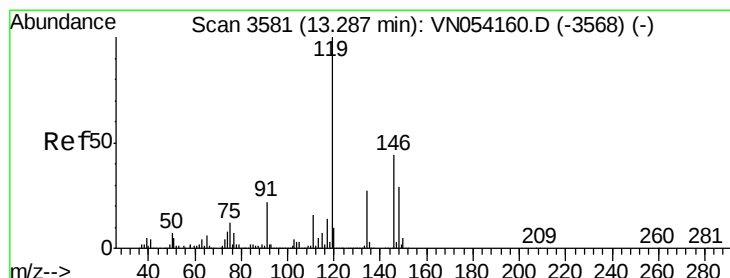
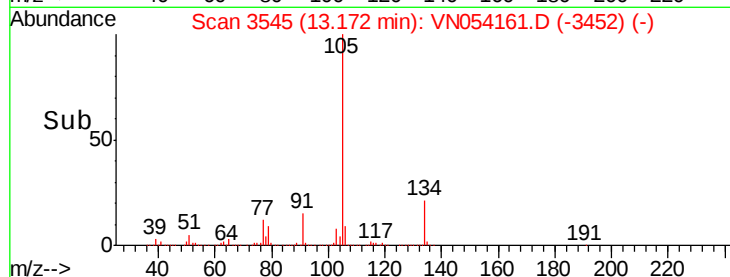
1000000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 98.347 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

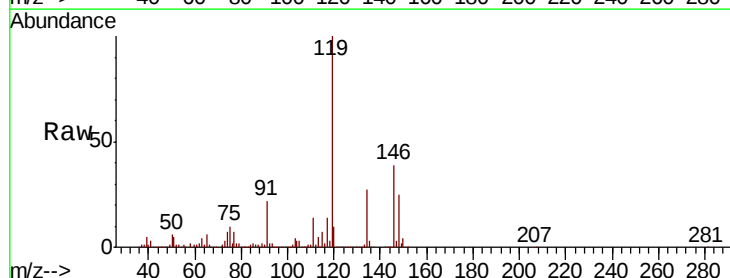
Tgt Ion:119 Resp: 7547195

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

6000000

5000000

4000000

3000000

2000000

1000000

0

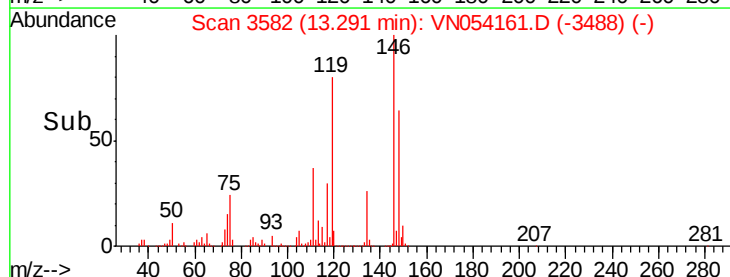
13.20

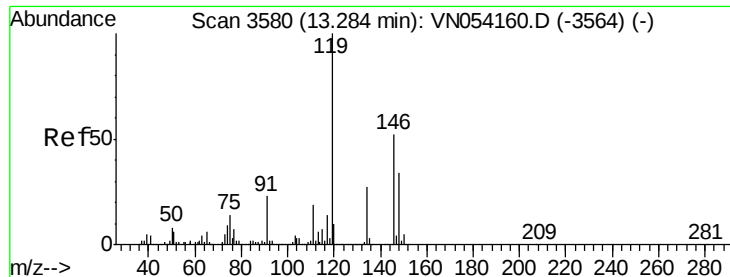
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 102.170 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Instrument :

MSVOA_N

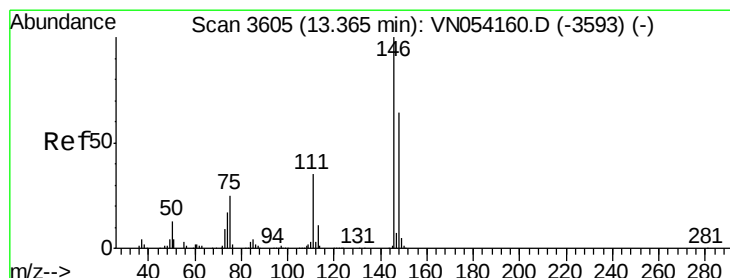
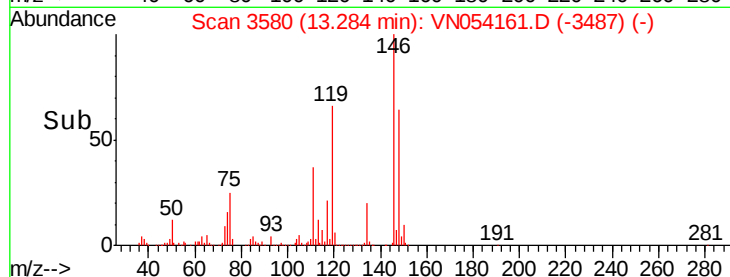
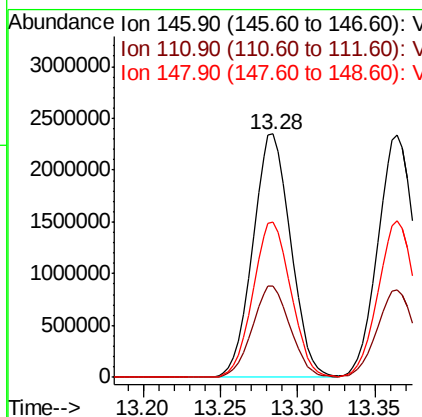
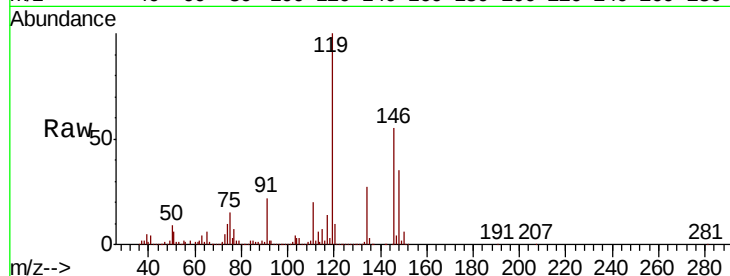
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	4013451
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	63.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 101.750 ug/l

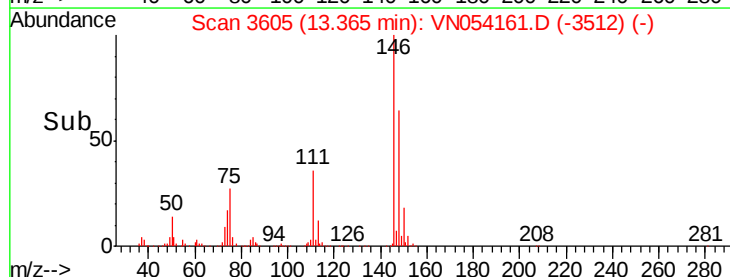
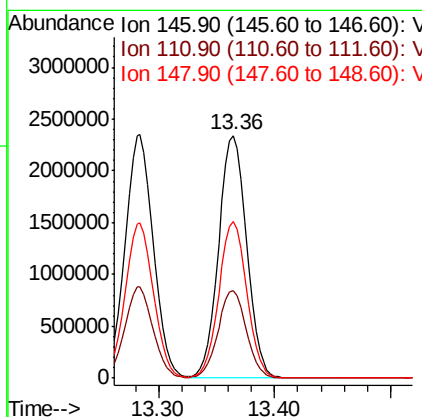
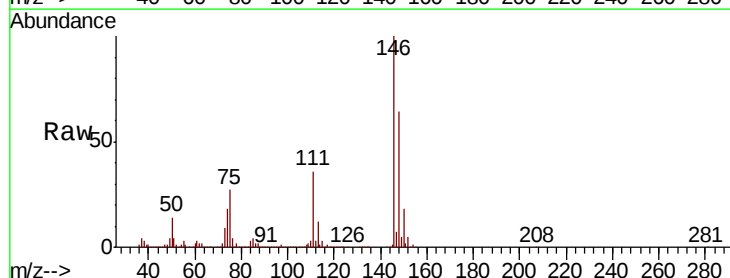
RT: 13.36 min Scan# 3605

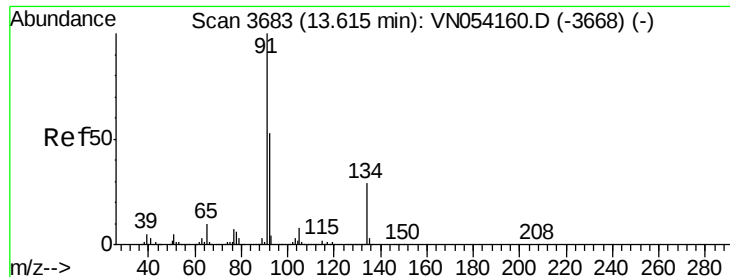
Delta R.T. 0.00 min

Lab File: VN054161.D

Acq: 12 Mar 2019 11:47

Tgt Ion:	146	Resp:	3927197
Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	64.2	32.0	96.0





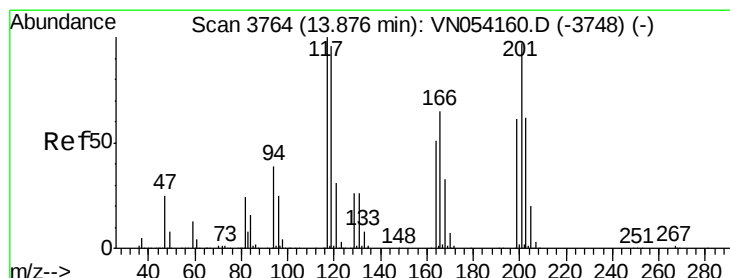
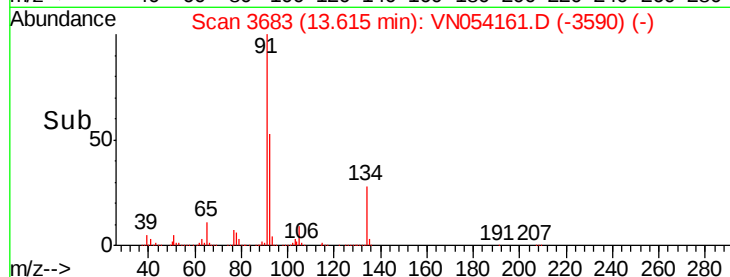
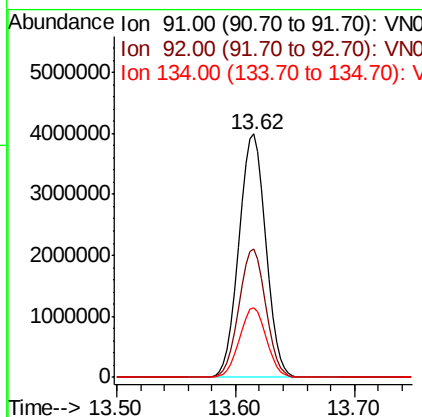
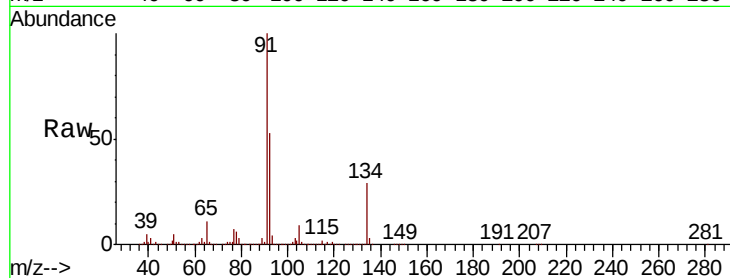
#89
n-Butylbenzene
Concen: 107.277 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 6255123
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.6
134 28.6 14.3 42.9

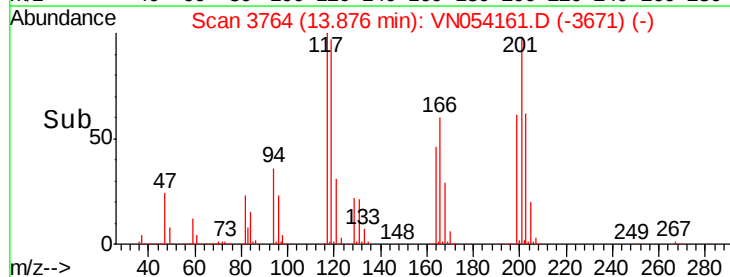
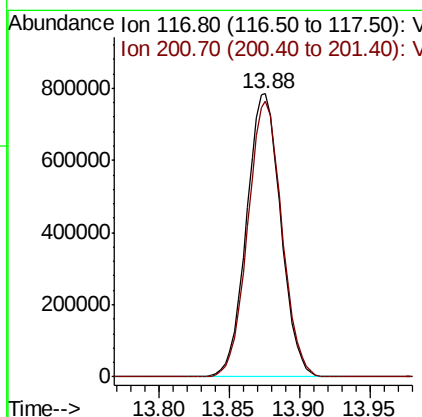
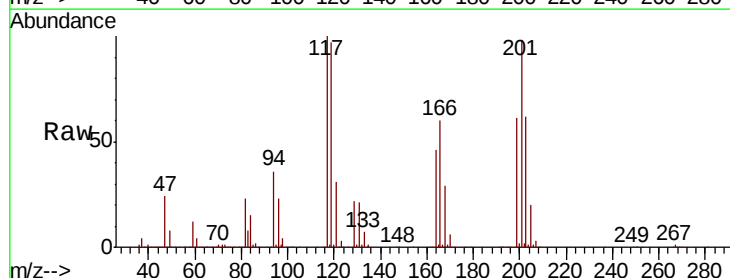
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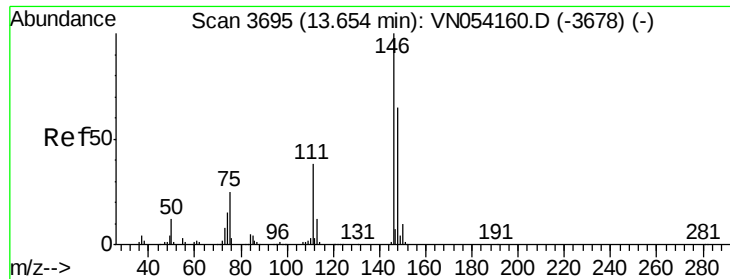
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#90
Hexachloroethane
Concen: 105.058 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion: 117 Resp: 1334971
Ion Ratio Lower Upper
117 100
201 96.7 48.1 144.4





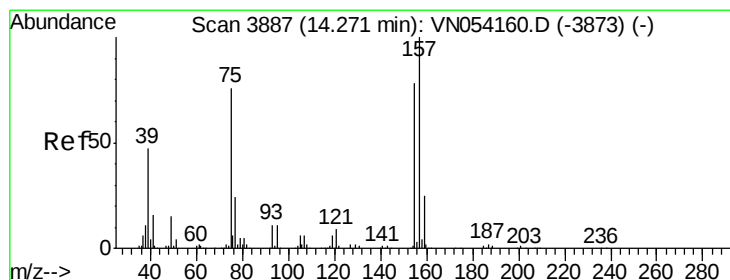
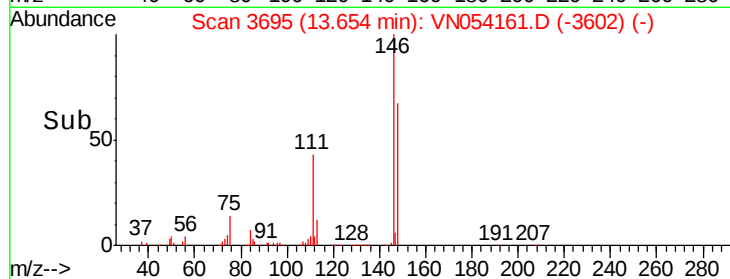
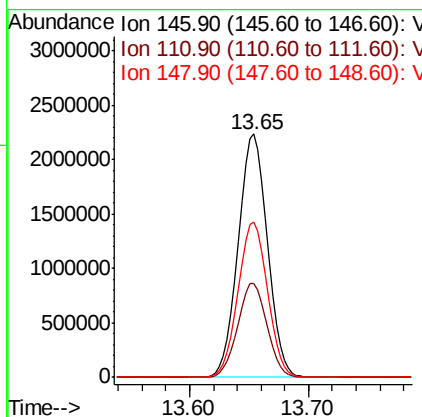
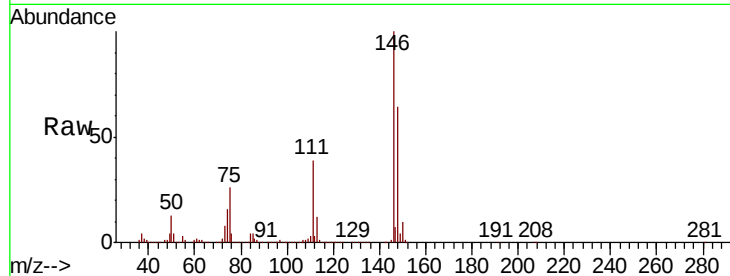
#91
 1,2-Dichlorobenzene
 Concen: 99.326 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.4	32.4	97.0

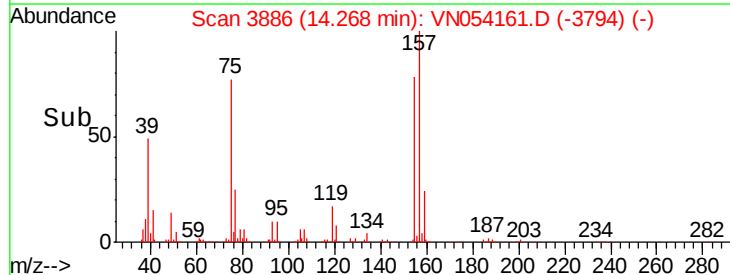
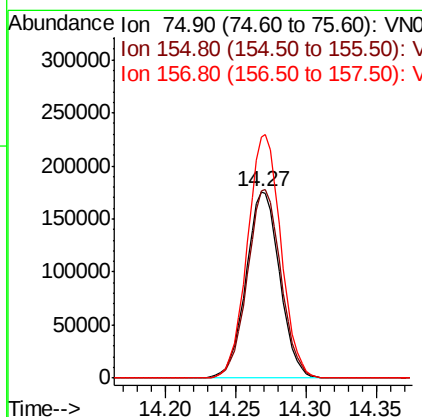
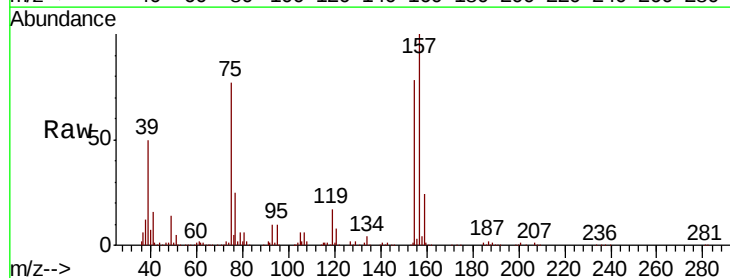
Manual Integrations
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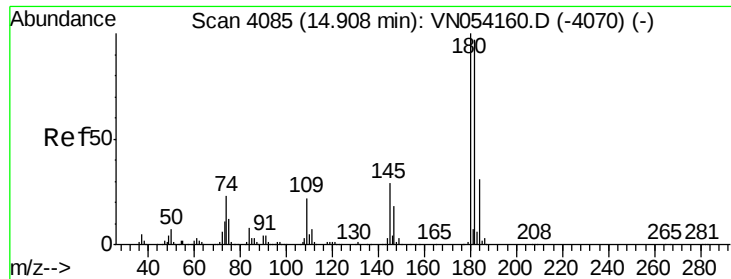
MMDadoda
 3/13/2019 11:49:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.216 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	50.1	150.3
157	130.0	63.1	189.3





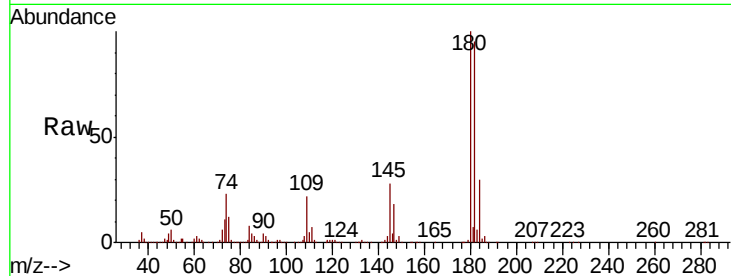
#93
 1,2,4-Trichlorobenzene
 Concen: 98.389 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	27.8	14.2	42.8

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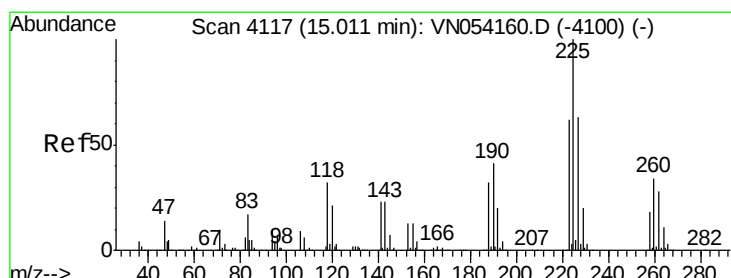
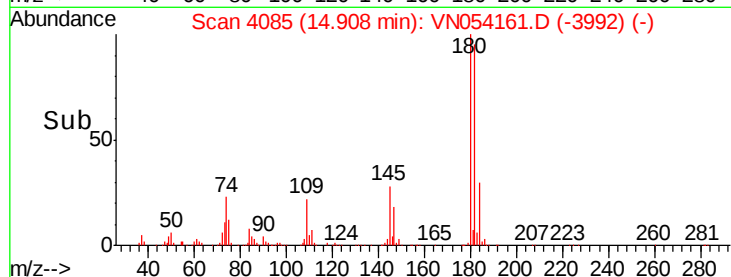
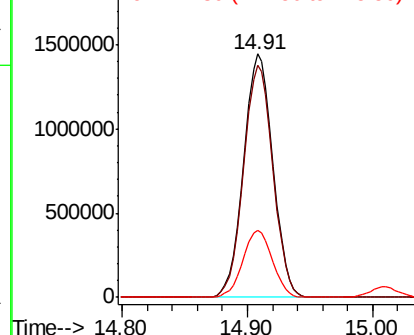


Abundance

Ion 179.80 (179.50 to 180.50): V

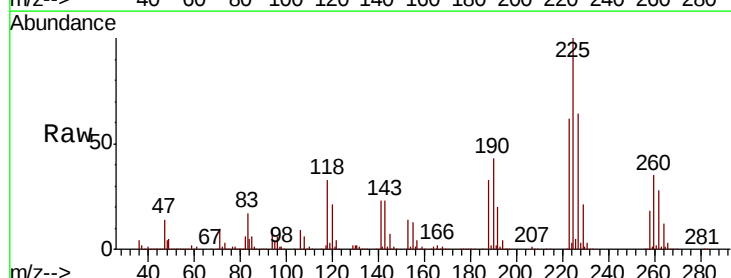
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 90.111 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054161.D
 Acq: 12 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.5
227	64.3	31.9	95.9

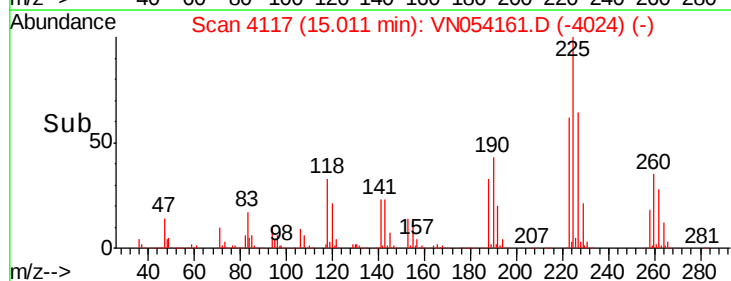
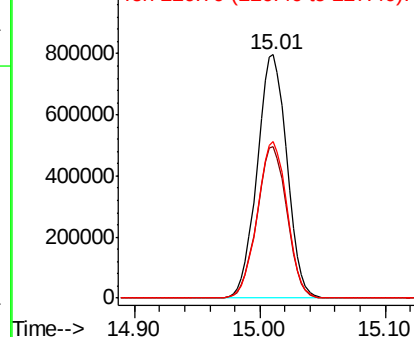


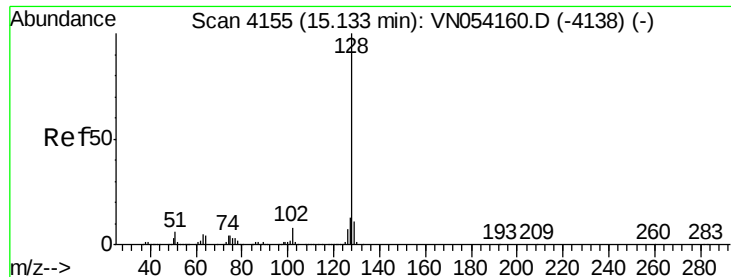
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





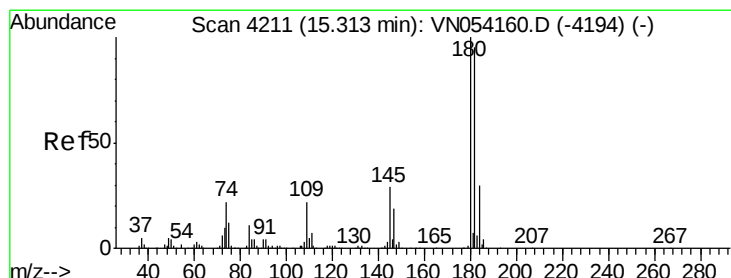
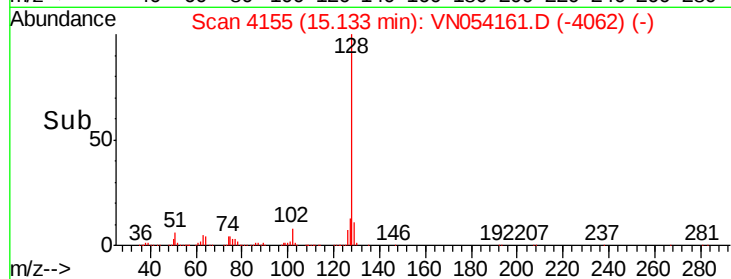
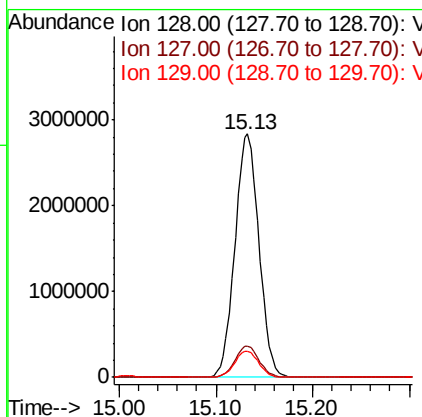
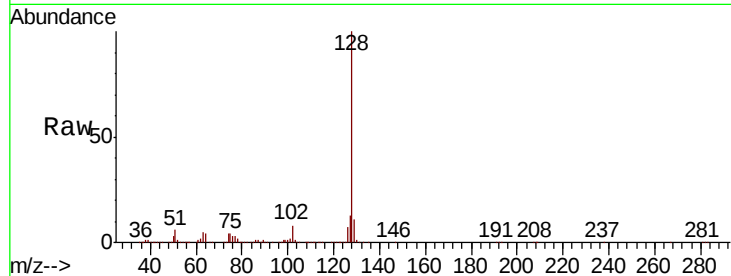
#95
Naphthalene
Concen: 97.353 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 4872395
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.9 8.7 13.1

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#96
1,2,3-Trichlorobenzene
Concen: 110.814 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054161.D
Acq: 12 Mar 2019 11:47

Tgt Ion:180 Resp: 2261016
Ion Ratio Lower Upper
180 100
182 94.8 47.5 142.6
145 29.4 14.8 44.3

