

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059230.D
 Acq On : 14 Nov 2019 13:53
 Operator : JC/SP
 Sample : VN1114MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:22:04 AM

Quant Time: Nov 15 07:09:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	639839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	266520	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	217130	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.08	98	823822	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	312338	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78247	17.812	ug/l	98
3) Chloromethane	2.04	50	102769	17.210	ug/l	99
4) Vinyl Chloride	2.17	62	107183	18.513	ug/l	98
5) Bromomethane	2.54	94	62344	18.713	ug/l	98
6) Chloroethane	2.68	64	63565	18.560	ug/l	99
7) Trichlorofluoromethane	3.00	101	135796	19.610	ug/l	98
8) Diethyl Ether	3.39	74	59143	21.019	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84756	20.299	ug/l	99
10) Methyl Iodide	3.93	142	104987	20.314	ug/l	97
11) Tert butyl alcohol	4.76	59	125466	122.833	ug/l	100
12) 1,1-Dichloroethene	3.71	96	82605	20.310	ug/l	99
13) Acrolein	3.59	56	37151	70.545	ug/l	98
14) Allyl chloride	4.30	41	162950	19.504	ug/l	96
15) Acrylonitrile	4.96	53	295528	116.258	ug/l	98
16) Acetone	3.80	43	239577	85.959	ug/l	96
17) Carbon Disulfide	4.03	76	216648	17.159	ug/l	99
18) Methyl Acetate	4.30	43	156426	23.645	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	304239	21.727	ug/l	98
20) Methylene Chloride	4.53	84	98667	20.320	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	88132	20.187	ug/l	95
22) Diisopropyl ether	5.92	45	331986	21.037	ug/l	93
23) Vinyl Acetate	5.87	43	1375910	112.499	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180430	20.471	ug/l	98
25) 2-Butanone	6.81	43	397374	108.180	ug/l	98
26) 2,2-Dichloropropane	6.80	77	144603	18.762	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	105413	20.812	ug/l	96
28) Bromochloromethane	7.17	49	52090	19.644	ug/l	98
29) Tetrahydrofuran	7.19	42	267852	114.761	ug/l	97
30) Chloroform	7.35	83	179023	21.174	ug/l	97
31) Cyclohexane	7.63	56	160028	19.179	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	150428	21.162	ug/l	99
36) 1,1-Dichloropropene	7.77	75	131300	20.344	ug/l	99
37) Ethyl Acetate	6.91	43	162152	22.585	ug/l	99
38) Carbon Tetrachloride	7.75	117	128494	20.003	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151211	20.188	ug/l	99
40) Benzene	8.02	78	396902	20.422	ug/l	98
41) Methacrylonitrile	7.16	41	63778m	20.428	ug/l	
42) 1,2-Dichloroethane	8.10	62	137020	20.556	ug/l	98
43) Isopropyl Acetate	8.15	43	245418	21.441	ug/l	99
44) Trichloroethene	8.82	130	98512	20.620	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111362	21.096	ug/l	97
46) Dibromomethane	9.19	93	68028	20.680	ug/l	98
47) Bromodichloromethane	9.39	83	139801	21.283	ug/l	99
48) Methyl methacrylate	9.19	41	110865	21.654	ug/l	97
49) 1,4-Dioxane	9.19	88	43898	482.456	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	818605	126.393	ug/l	100
52) Toluene	10.15	92	246508	21.162	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	160203	21.110	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171861	21.053	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	100295	21.274	ug/l	99
56) Ethyl methacrylate	10.42	69	168062	22.446	ug/l	96
57) 1,3-Dichloropropane	10.70	76	177606	21.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	314311	119.799	ug/l	100
59) 2-Hexanone	10.74	43	619470	124.614	ug/l	99
60) Dibromochloromethane	10.90	129	104991	21.064	ug/l	99
61) 1,2-Dibromoethane	11.00	107	103169	21.618	ug/l	100
64) Tetrachloroethene	10.62	164	87323	20.071	ug/l	96
65) Chlorobenzene	11.43	112	264345	21.193	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99611	21.289	ug/l	97
67) Ethyl Benzene	11.51	91	488480	22.073	ug/l	99
68) m/p-Xylenes	11.62	106	359684	43.390	ug/l	98
69) o-Xylene	11.95	106	176713	22.059	ug/l	98
70) Styrene	11.96	104	292517	23.217	ug/l	99
71) Bromoform	12.13	173	81074	22.277	ug/l #	98
73) Isopropylbenzene	12.25	105	471267	21.266	ug/l	100
74) N-amyl acetate	12.07	43	214726	22.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162694	21.558	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	147932m	21.328	ug/l	
77) Bromobenzene	12.53	156	136201	24.462	ug/l	80
78) n-propylbenzene	12.59	91	552474	21.773	ug/l	99
79) 2-Chlorotoluene	12.67	91	331619	21.067	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	404835	21.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54668	20.818	ug/l	99
82) 4-Chlorotoluene	12.77	91	329447	20.867	ug/l	97
83) tert-Butylbenzene	12.99	119	343288	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403978	22.236	ug/l	97
85) sec-Butylbenzene	13.17	105	454687	21.559	ug/l	100
86) p-Isopropyltoluene	13.29	119	421945	22.658	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	202559	21.245	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	197739	20.729	ug/l	99
89) n-Butylbenzene	13.62	91	364793	22.382	ug/l	99
90) Hexachloroethane	13.88	117	76313	20.408	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	197744	21.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40159	26.684	ug/l #	55

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124760	23.635	ug/l	97
94) Hexachlorobutadiene	15.01	225	65385	20.219	ug/l	97
95) Naphthalene	15.13	128	424438	28.292	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	128297	24.409	ug/l	100

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

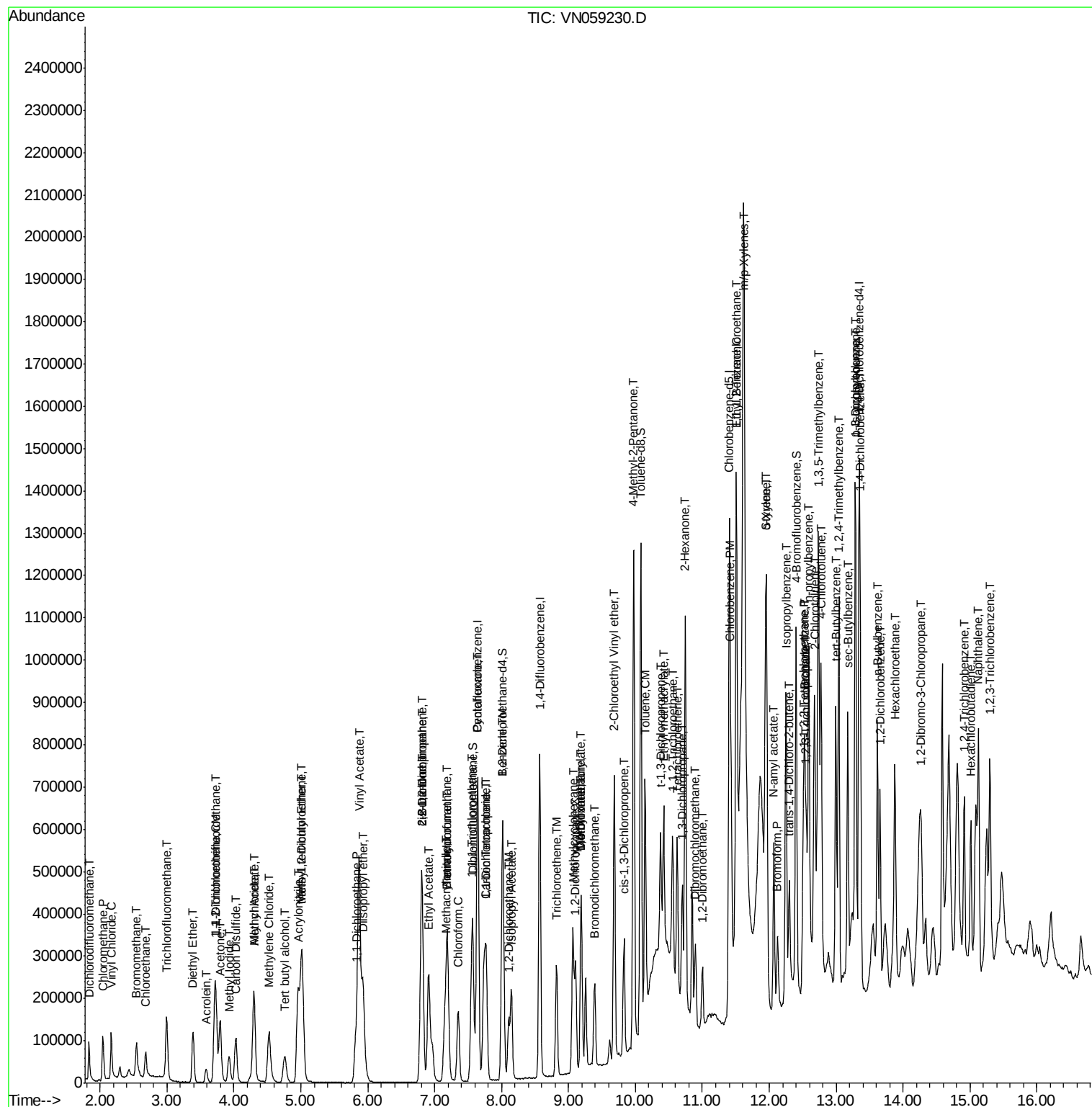
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion:168 Resp: 436007

Ion Ratio Lower Upper

168 100

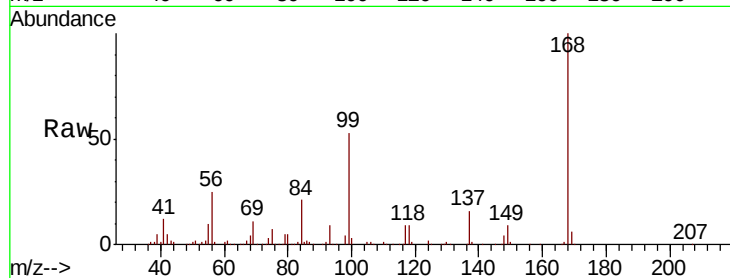
99 52.9 45.7 68.5

Manual Integrations

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11/15/2019 10:22:04 AM



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.65

200000

150000

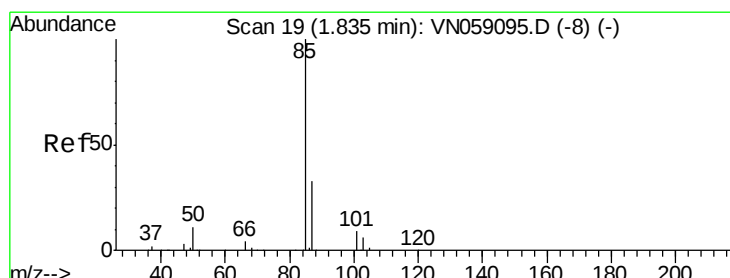
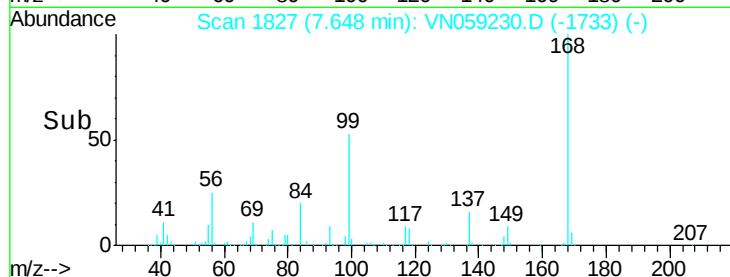
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 17.812 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059230.D

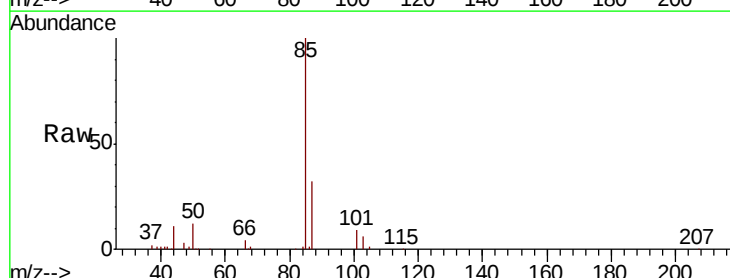
Acq: 14 Nov 2019 13:53

Tgt Ion: 85 Resp: 78247

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059095.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059095.D (-8) (-)

1.83

60000

50000

40000

30000

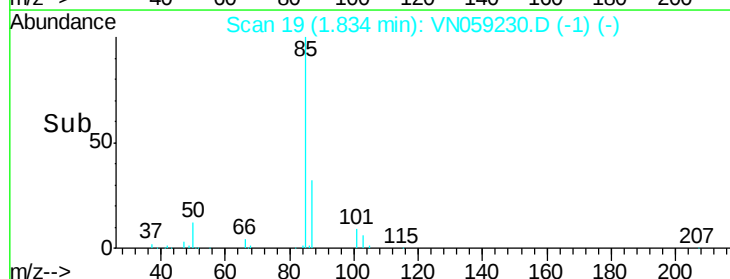
20000

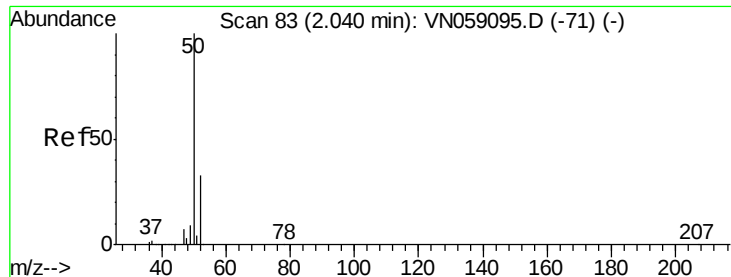
10000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 17.210 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 50 Resp: 102769

Ion Ratio Lower Upper

50 100

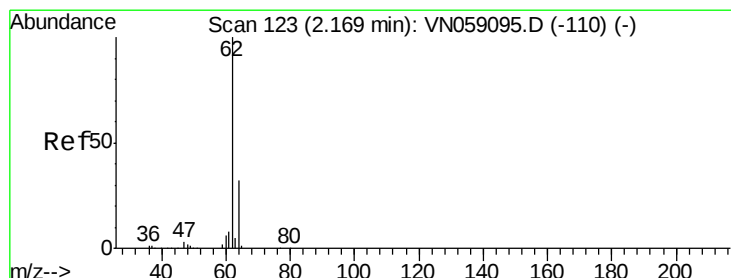
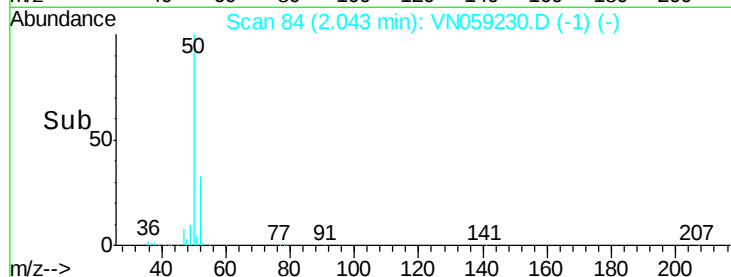
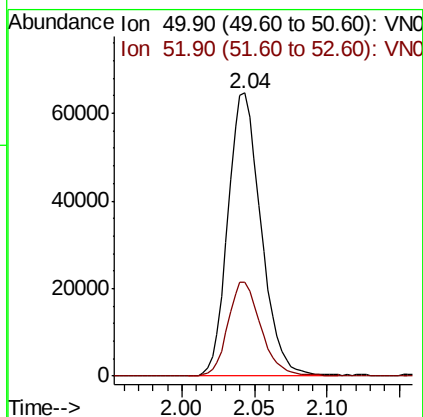
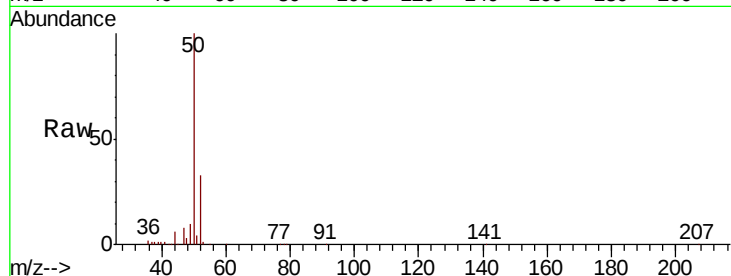
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.513 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059230.D

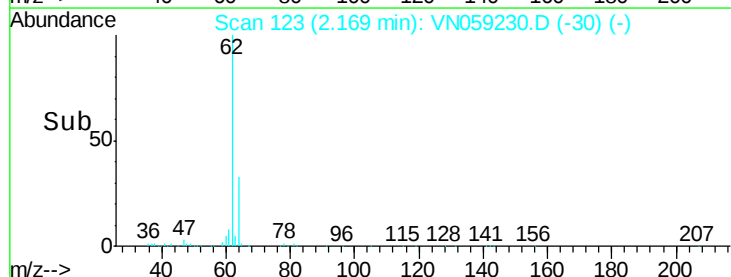
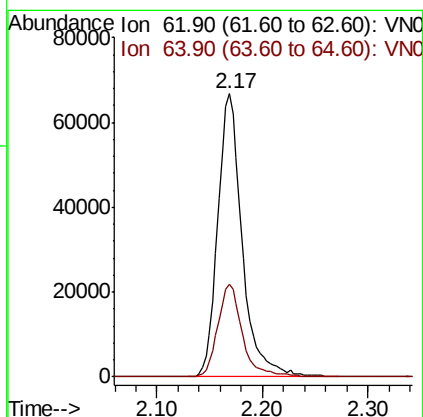
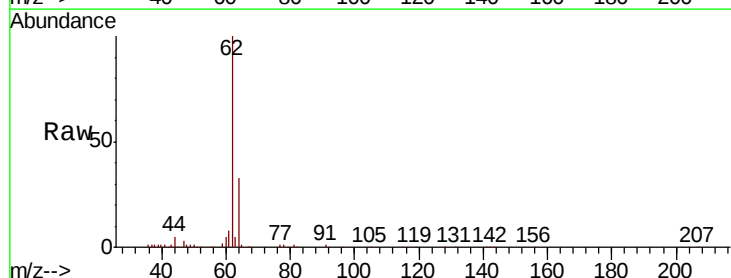
Acq: 14 Nov 2019 13:53

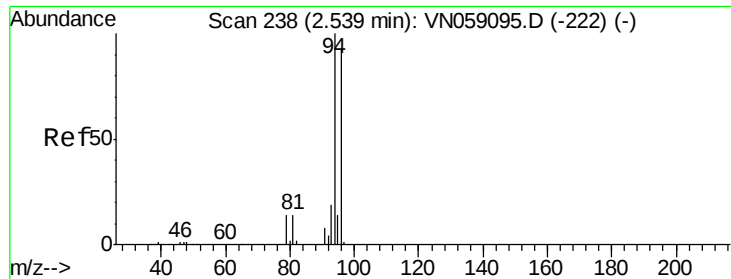
Tgt Ion: 62 Resp: 107183

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2





#5

Bromomethane

Concen: 18.713 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 94 Resp: 62344

Ion Ratio Lower Upper

94 100

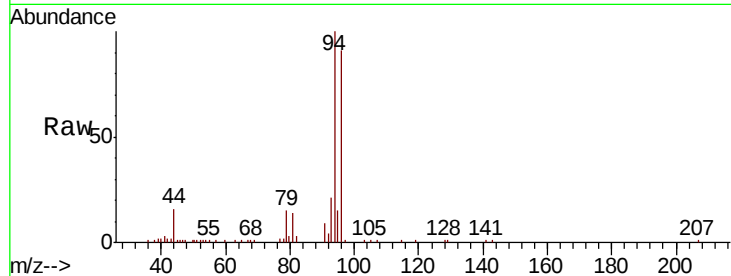
96 90.5 74.2 111.2

Manual Integrations

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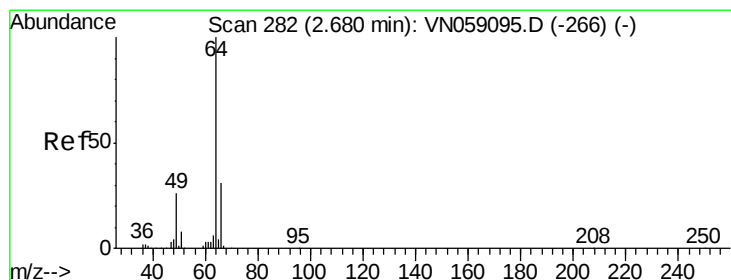
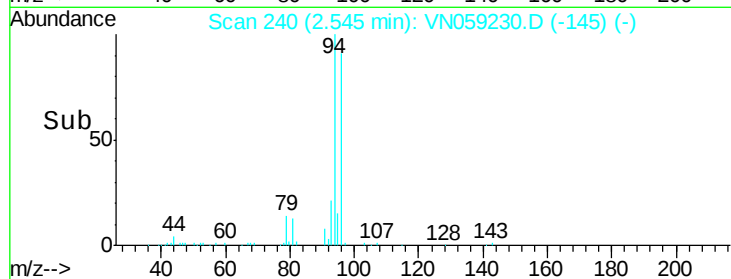
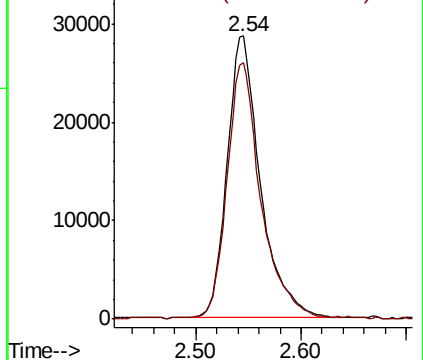
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.560 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059230.D

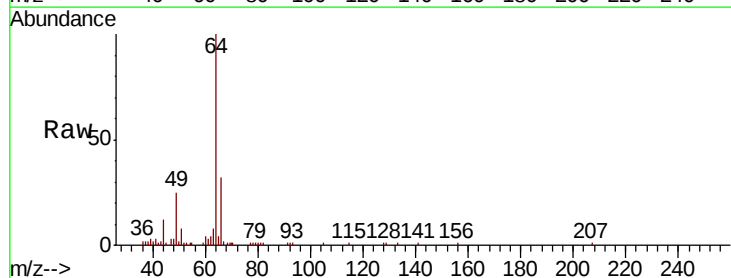
Acq: 14 Nov 2019 13:53

Tgt Ion: 64 Resp: 63565

Ion Ratio Lower Upper

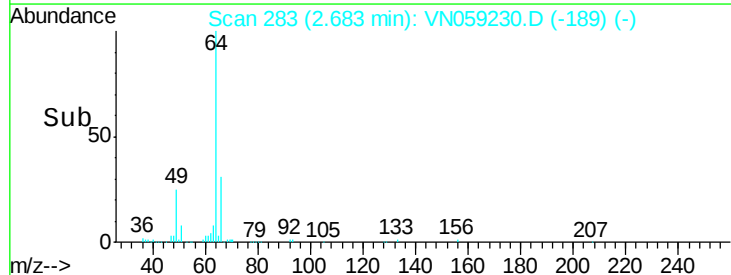
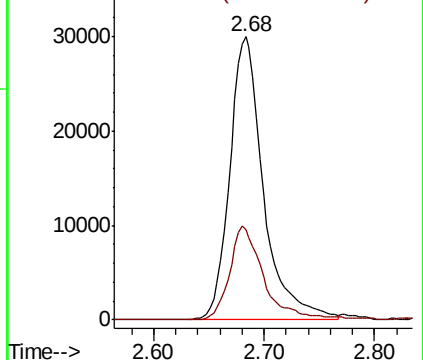
64 100

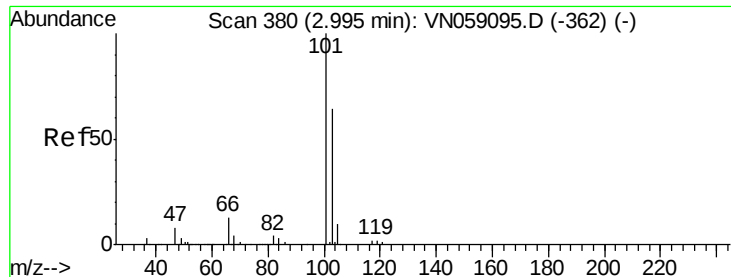
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

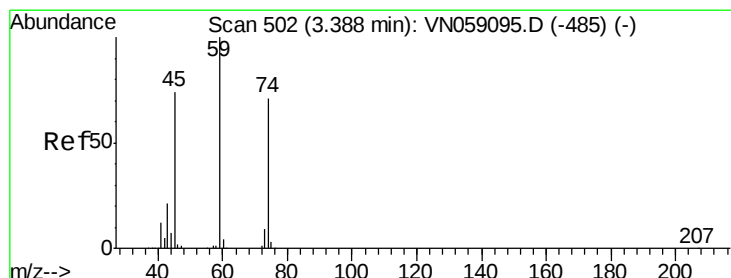
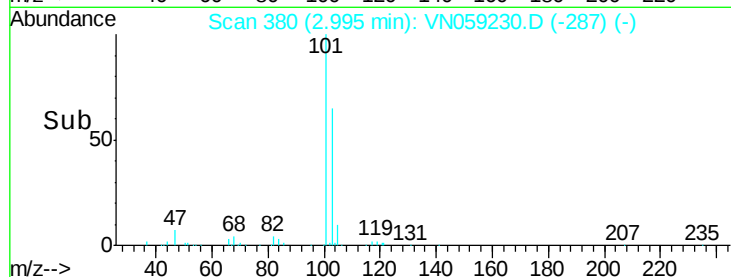
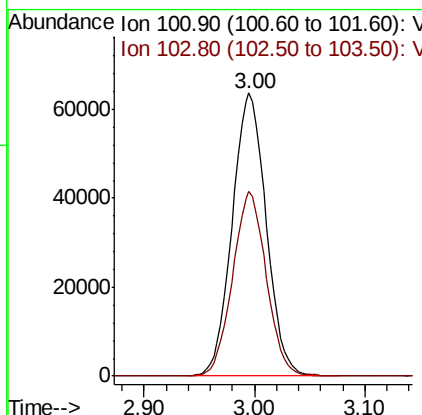
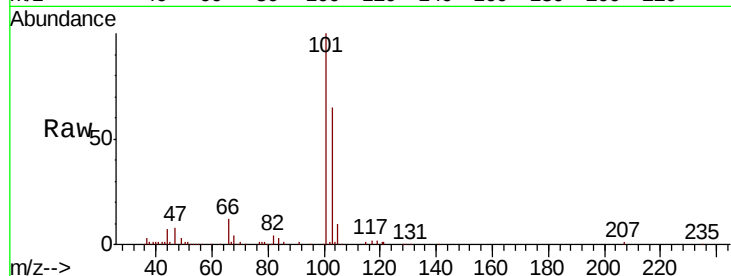
Trichlorofluoromethane
Concen: 19.610 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.2	76.8

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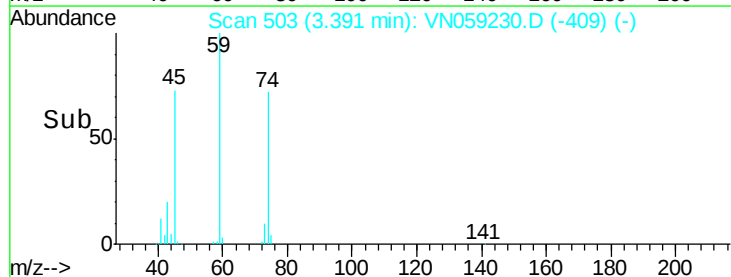
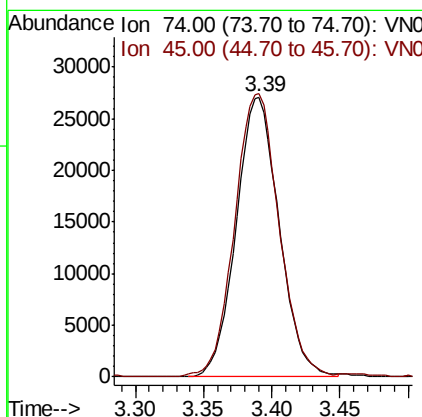
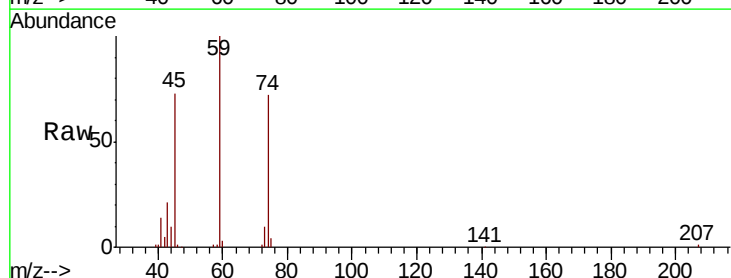
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11/15/2019 10:22:04 AM



#8

Diethyl Ether
Concen: 21.019 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.299 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

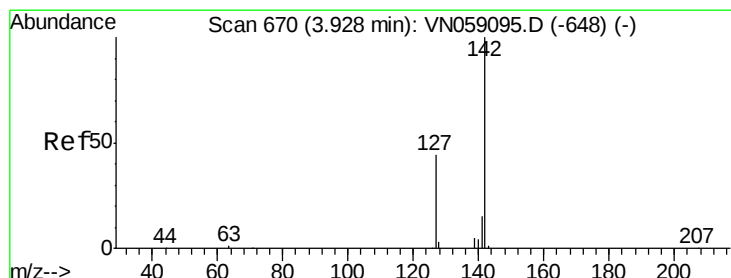
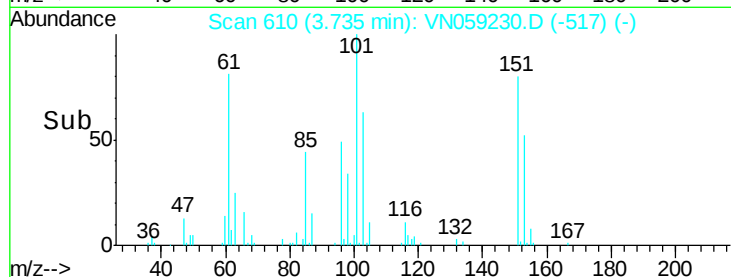
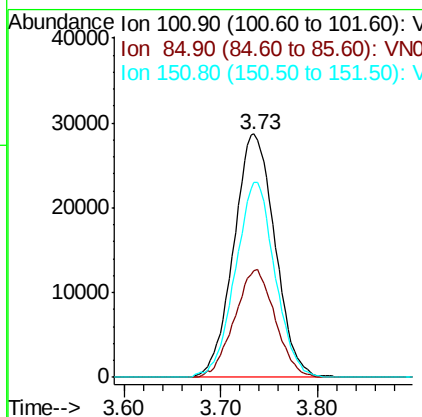
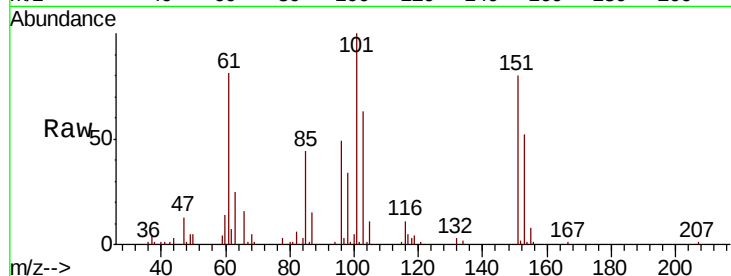
ClientSampleId :

VN1114MBSD01

Tot Ion:	101	Resp:	84756
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	77.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.314 ug/l

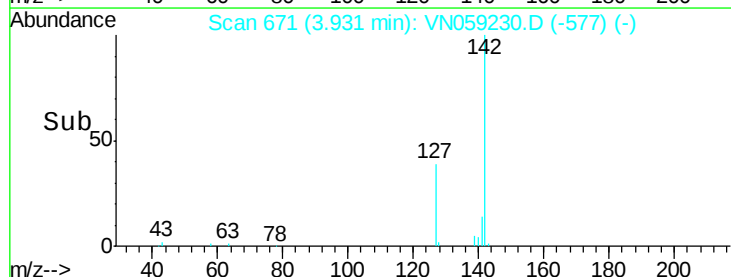
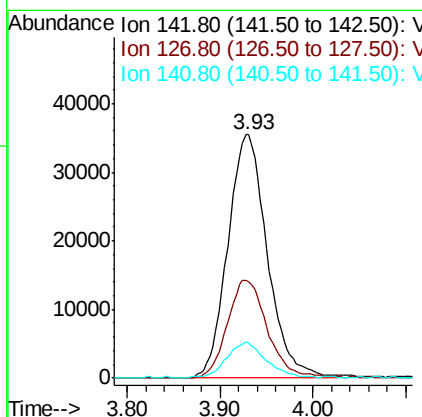
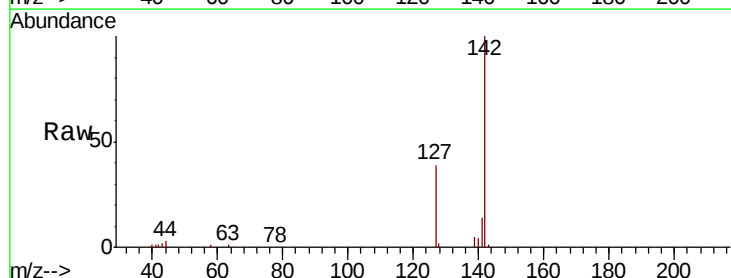
RT: 3.93 min Scan# 671

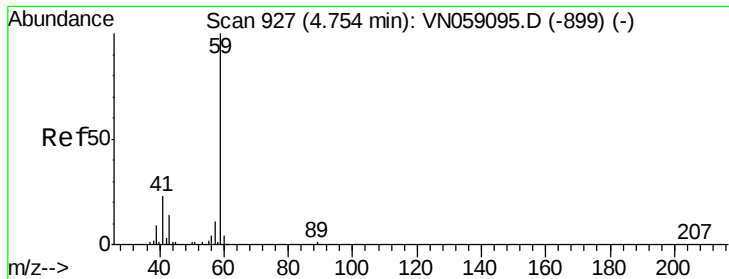
Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	142	Resp:	104987
Ion Ratio	Lower	Upper	
142	100		
127	40.8	34.2	51.2
141	13.8	11.4	17.0





#11

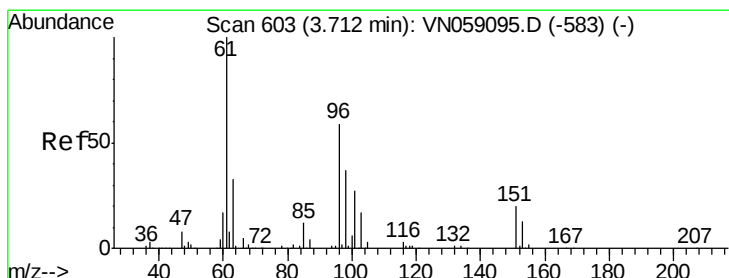
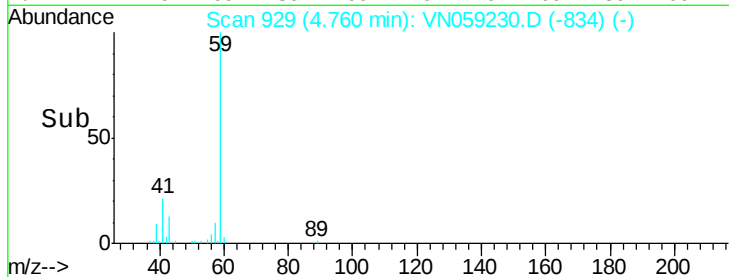
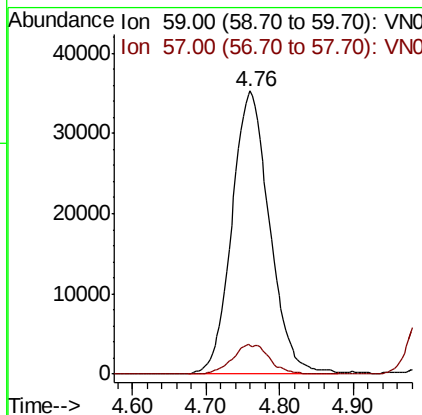
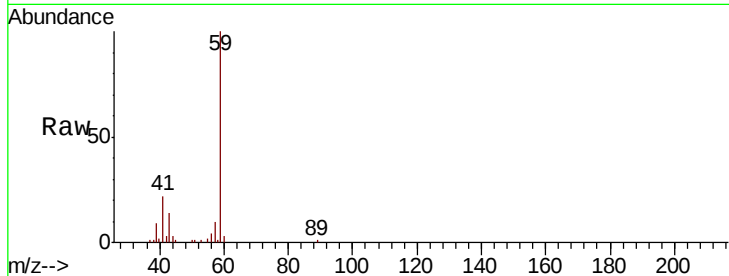
Tert butyl alcohol
Concen: 122.833 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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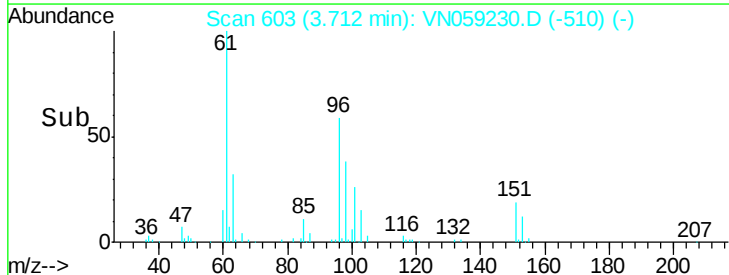
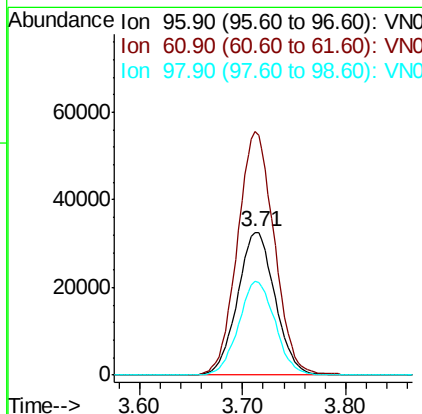
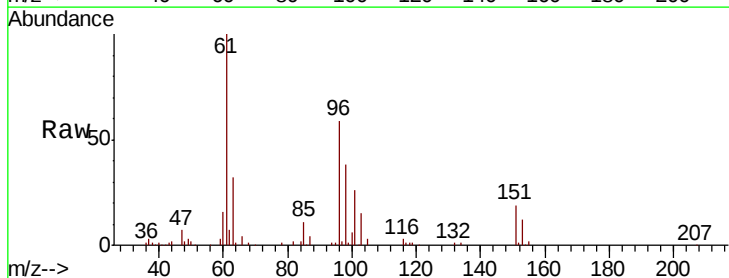
MMDadoda
11/15/2019 10:22:04 AM

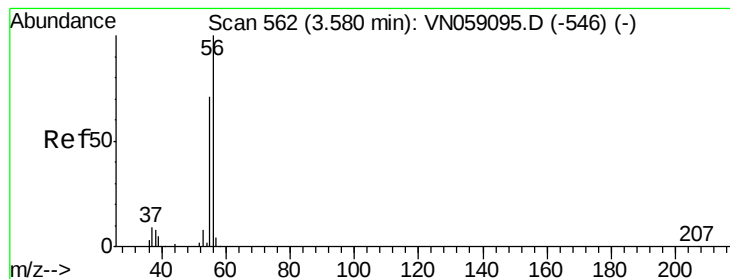


#12

1,1-Dichloroethene
Concen: 20.310 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.8	136.5	204.7
98	65.7	50.2	75.4





#13

Acrolein

Concen: 70.545 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 56 Resp: 37151

Ion Ratio Lower Upper

56 100

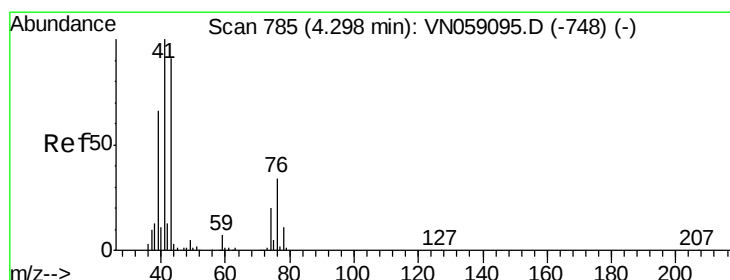
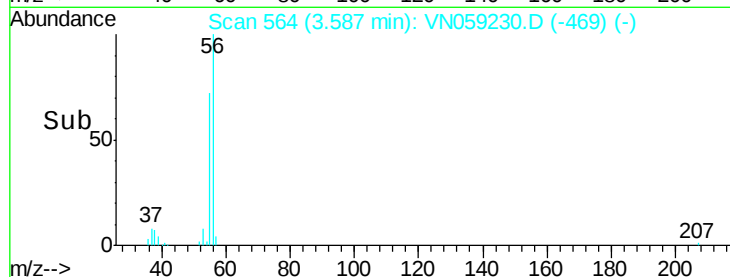
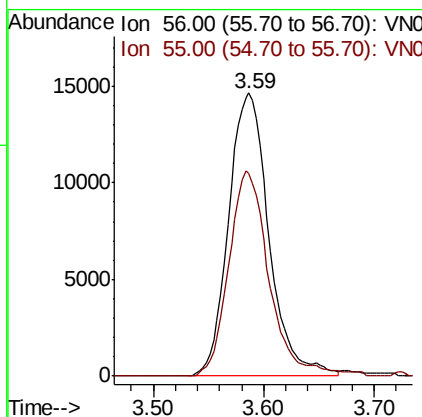
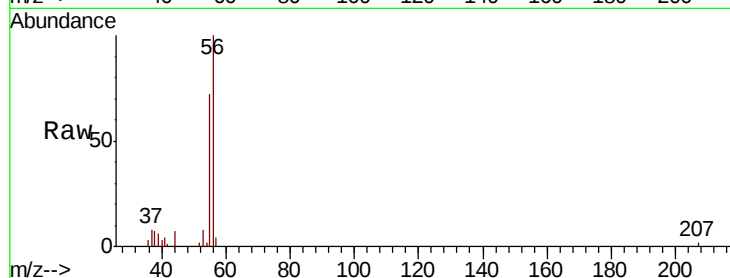
55 72.1 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.504 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

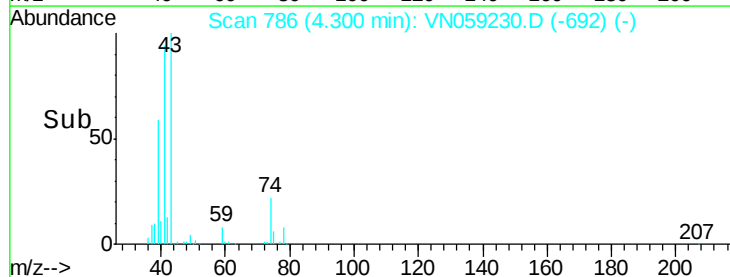
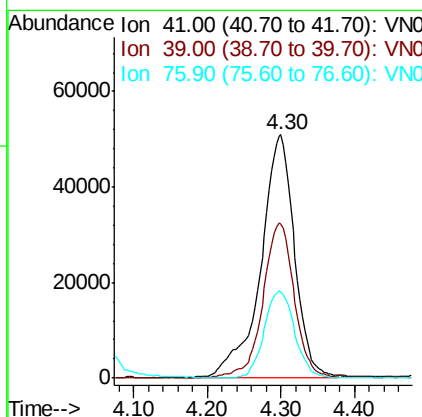
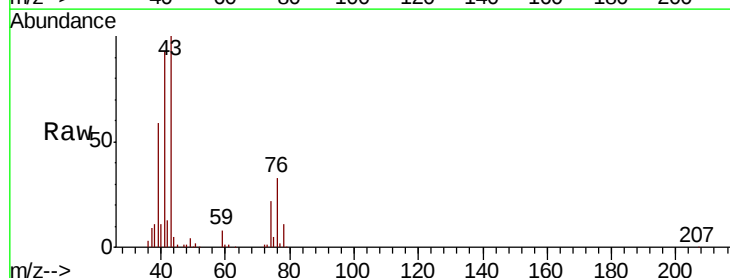
Tgt Ion: 41 Resp: 162950

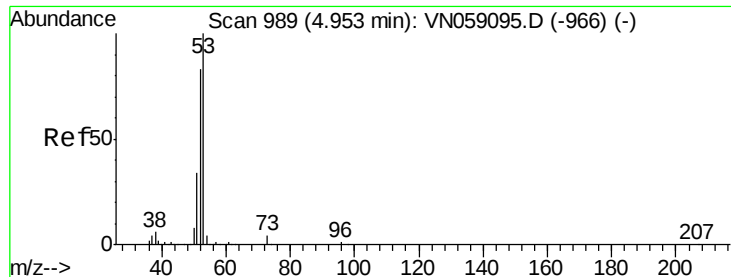
Ion Ratio Lower Upper

41 100

39 57.7 49.1 73.7

76 32.2 24.9 37.3





#15

Acrylonitrile

Concen: 116.258 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

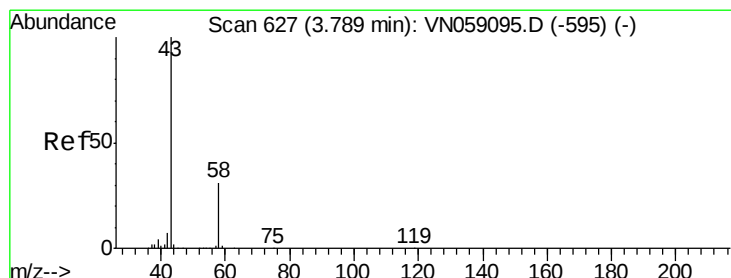
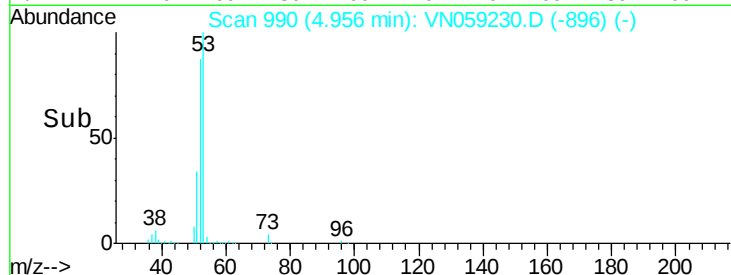
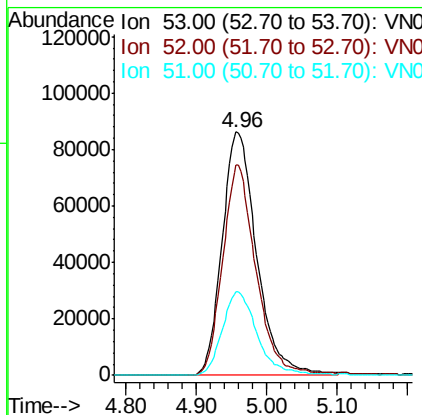
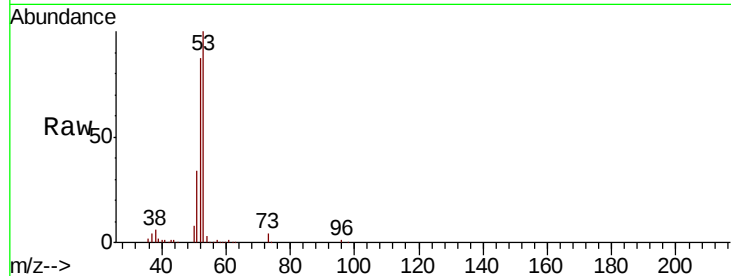
ClientSampleId :

VN1114MBSD01

Tot Ion:	53	Resp:	295528
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.0	97.6
51	34.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 85.959 ug/l

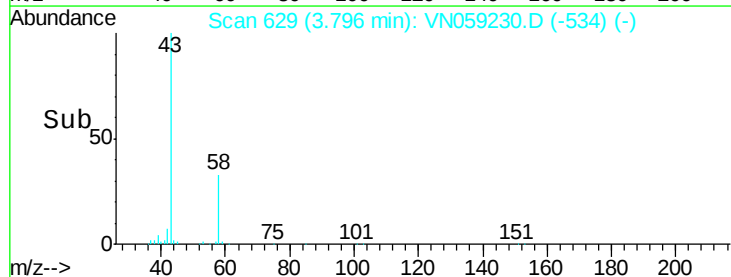
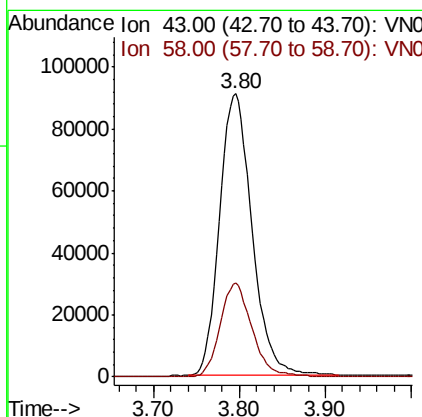
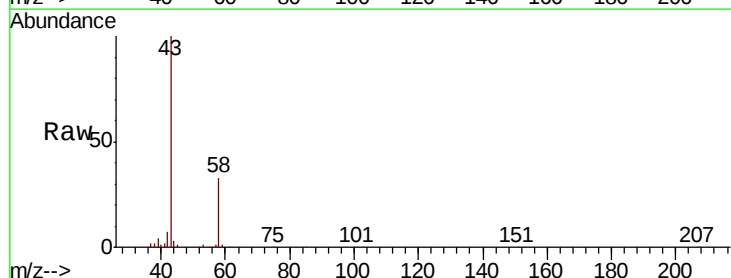
RT: 3.80 min Scan# 629

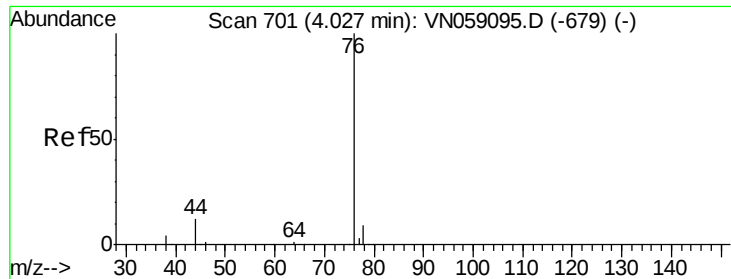
Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	43	Resp:	239577
Ion Ratio		Lower	Upper
43	100		
58	33.3	24.9	37.3





#17

Carbon Disulfide

Concen: 17.159 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 76 Resp: 216648

Ion Ratio Lower Upper

76 100

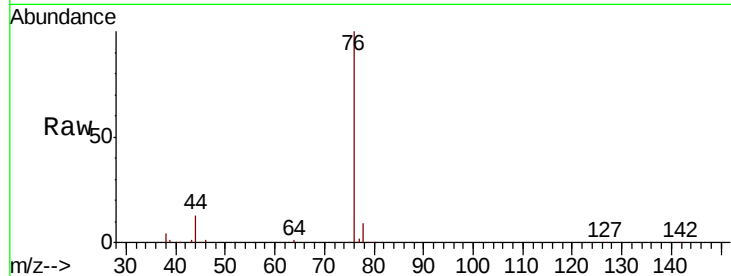
78 8.9 7.4 11.0

Manual Integrations

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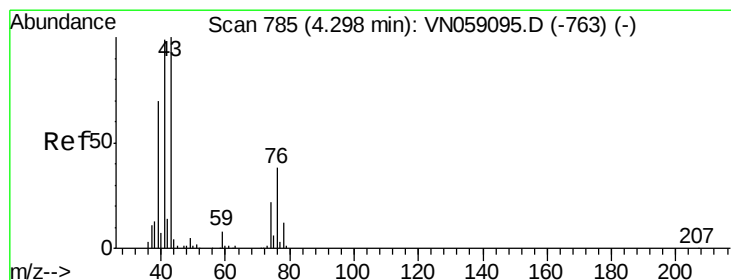
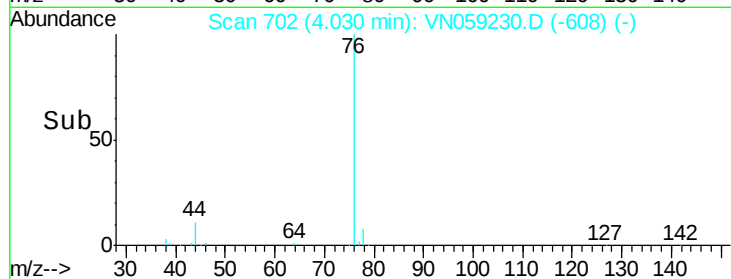
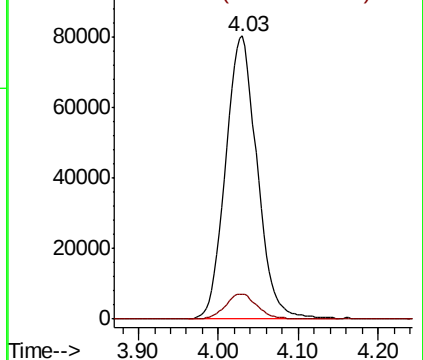
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.645 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059230.D

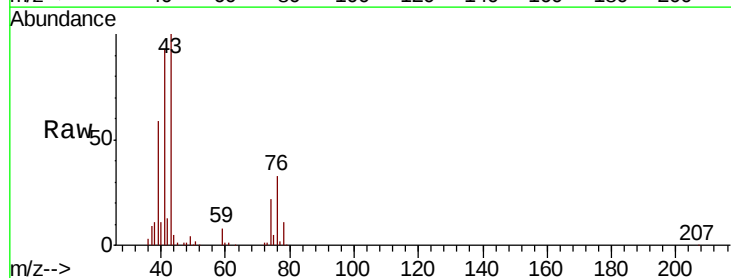
Acq: 14 Nov 2019 13:53

Tgt Ion: 43 Resp: 156426

Ion Ratio Lower Upper

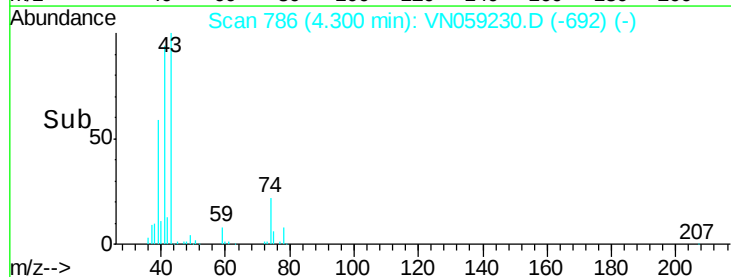
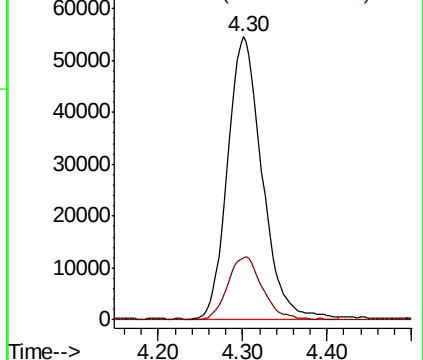
43 100

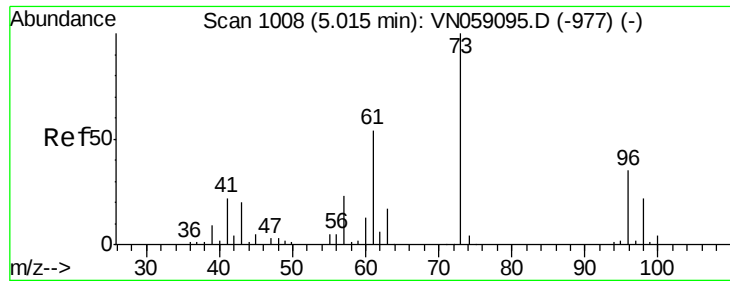
74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





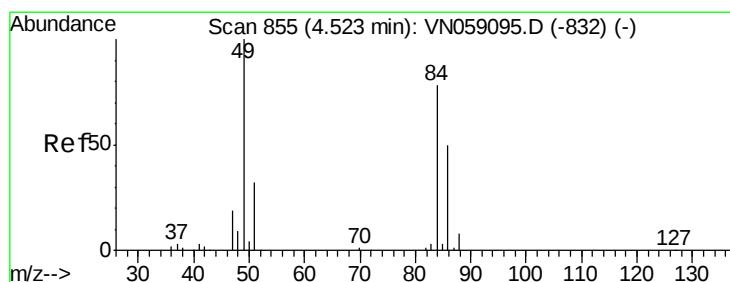
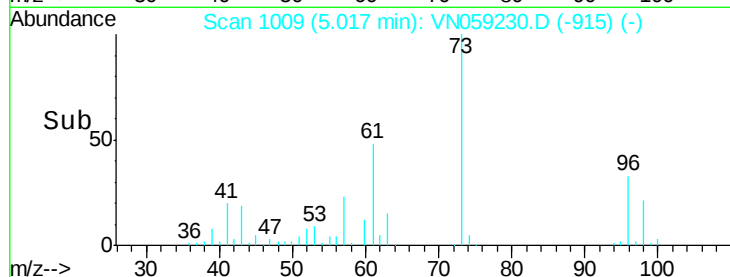
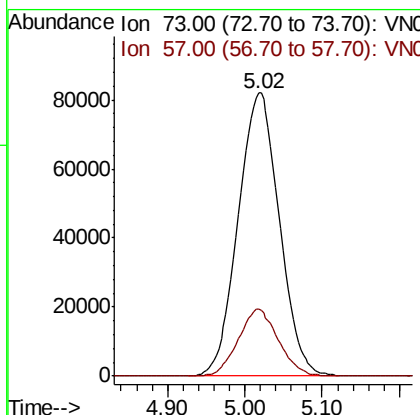
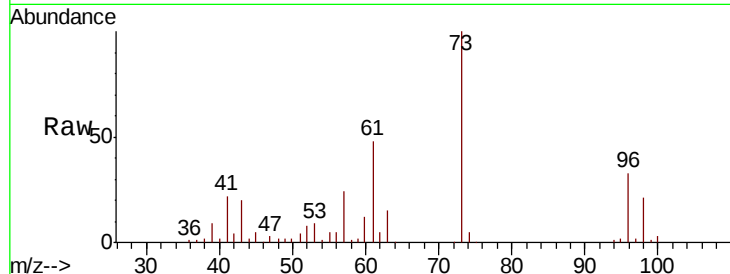
#19
Methvl tert-butvl Ether
Concen: 21.727 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion: 73 Resp: 304239
Ion Ratio Lower Upper
73 100
57 23.9 18.4 27.6

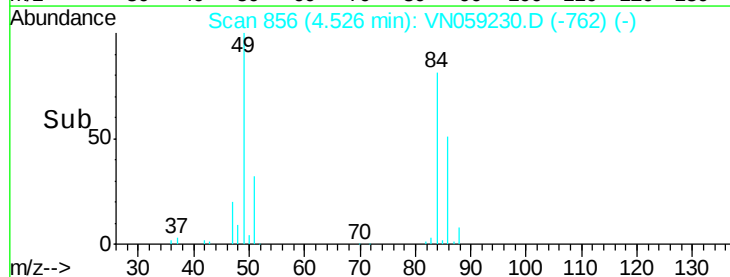
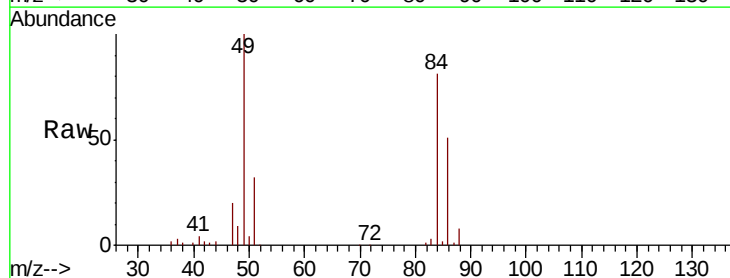
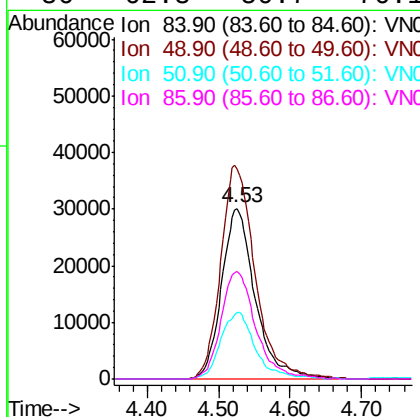
Manual Integrations
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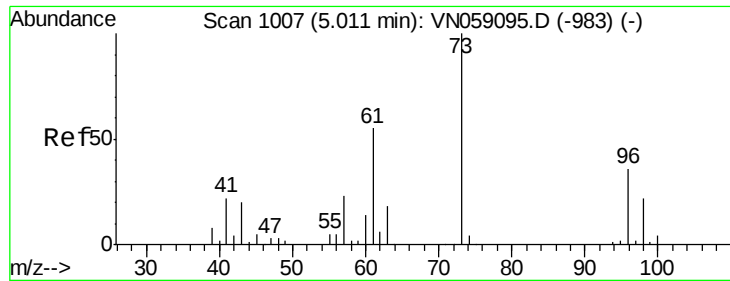
MMDadoda
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#20
Methylene Chloride
Concen: 20.320 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 84 Resp: 98667
Ion Ratio Lower Upper
84 100
49 123.4 102.0 153.0
51 39.0 32.2 48.2
86 62.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.187 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 96 Resp: 88132

Ion Ratio Lower Upper

96 100

61 146.8 122.6 183.8

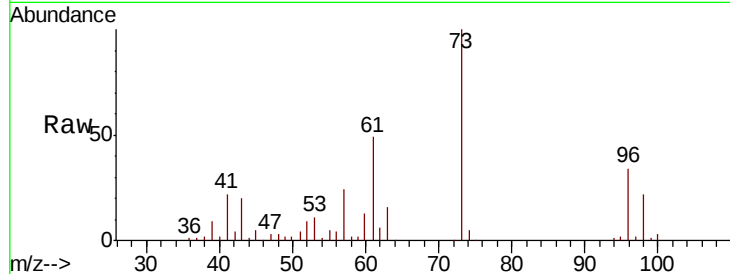
98 65.8 50.3 75.5

Manual Integrations

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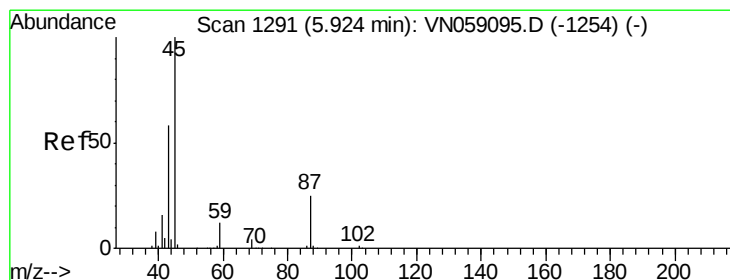
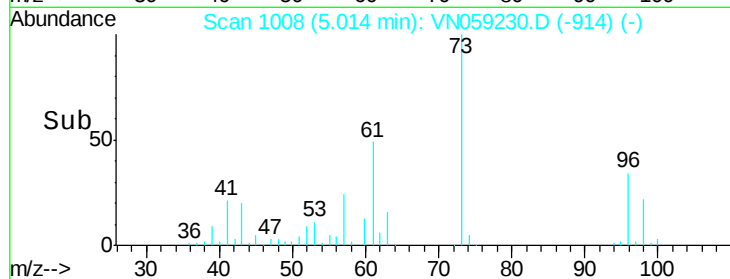
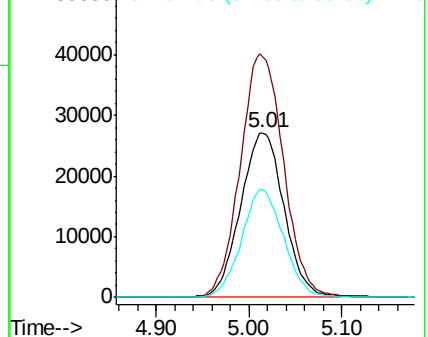


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.037 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion: 45 Resp: 331986

Ion Ratio Lower Upper

45 100

43 66.0 46.7 70.1

87 25.7 20.5 30.7

59 11.2 9.6 14.4

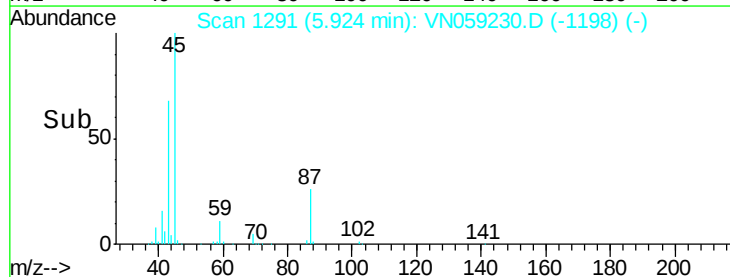
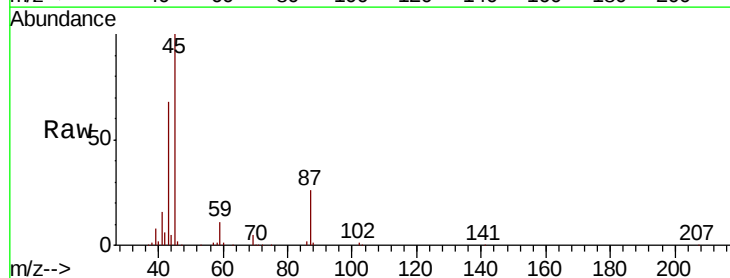
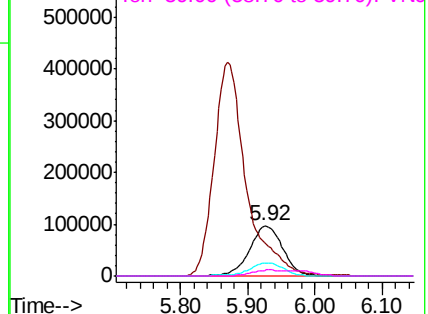
Abundance

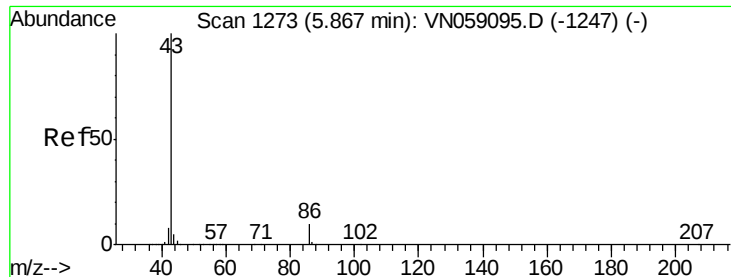
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 112.499 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 43 Resp: 1375910

Ion Ratio Lower Upper

43 100

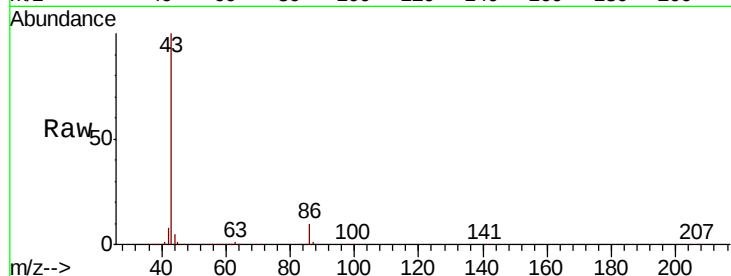
86 9.7 7.7 11.5

Manual Integrations

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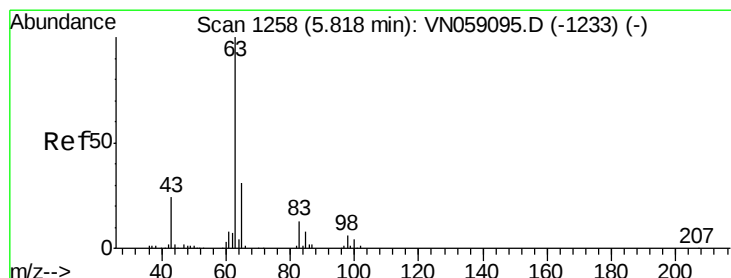
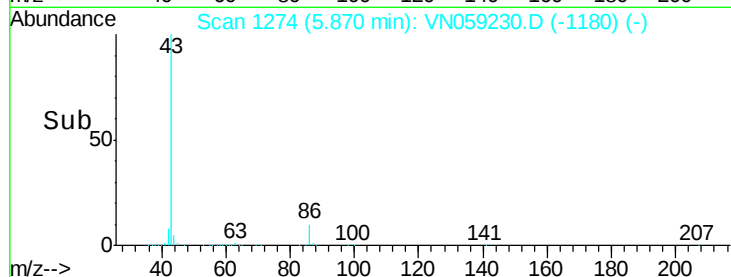
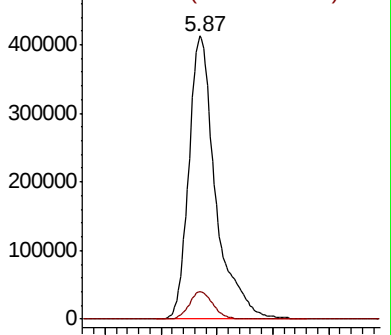
MMDadoda

11/15/2019 10:22:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC



#24

1,1-Dichloroethane

Concen: 20.471 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

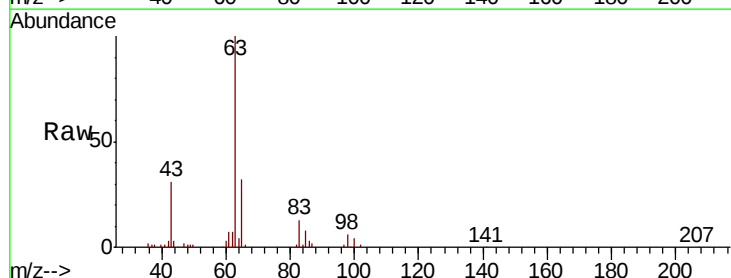
Tgt Ion: 63 Resp: 180430

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

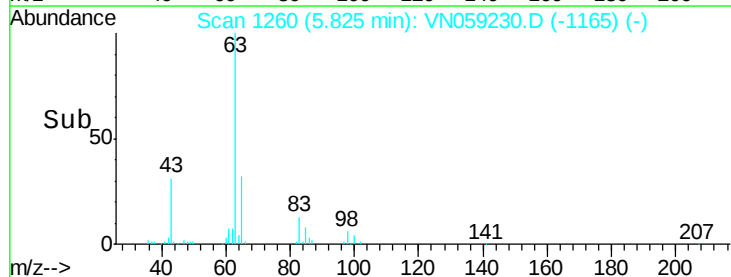
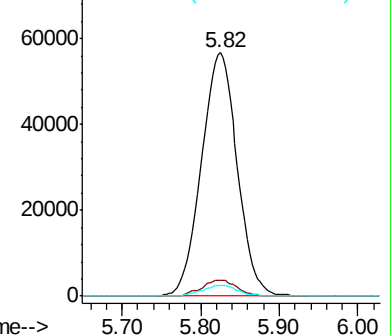
100 4.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC





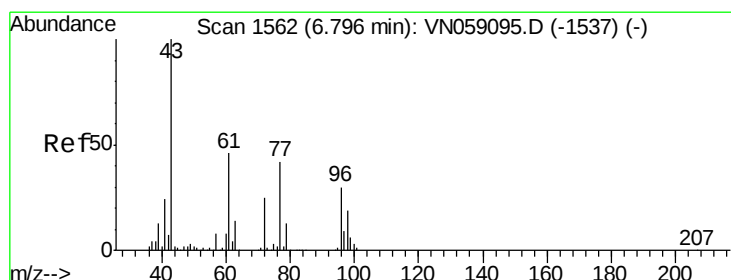
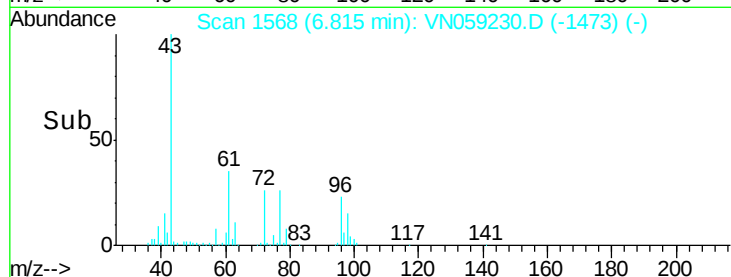
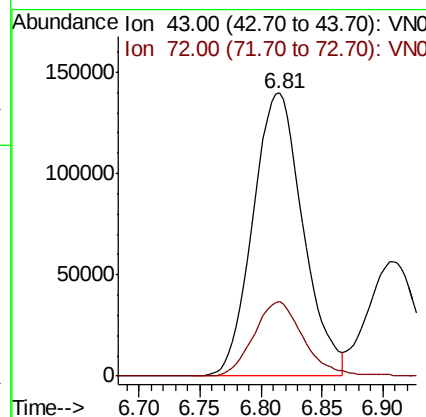
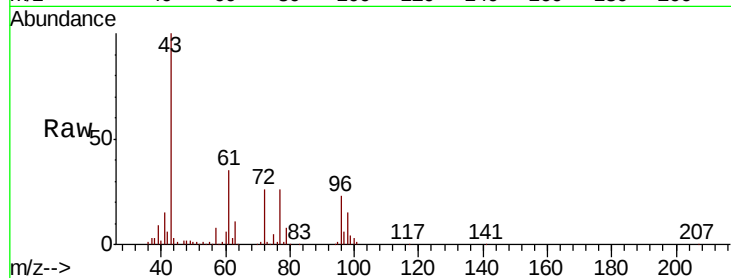
#25
2-Butanone
Concen: 108.180 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.3	30.5

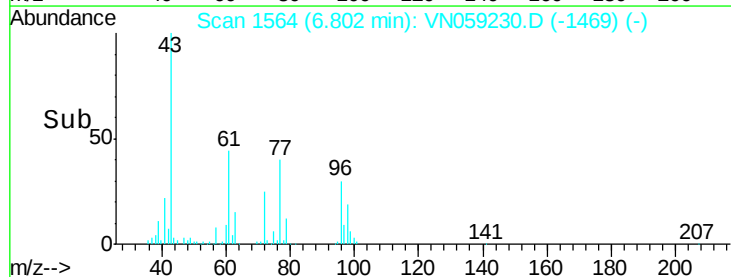
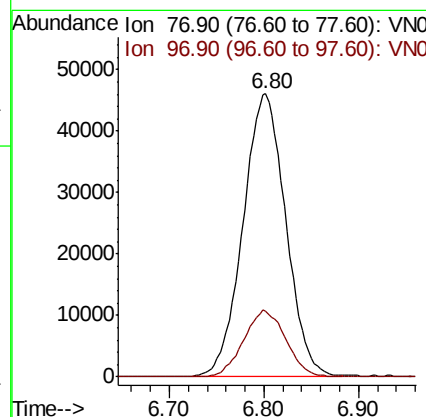
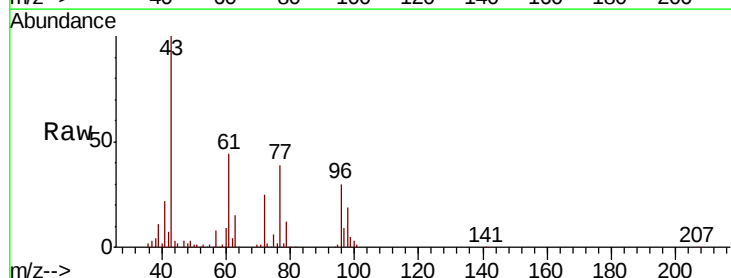
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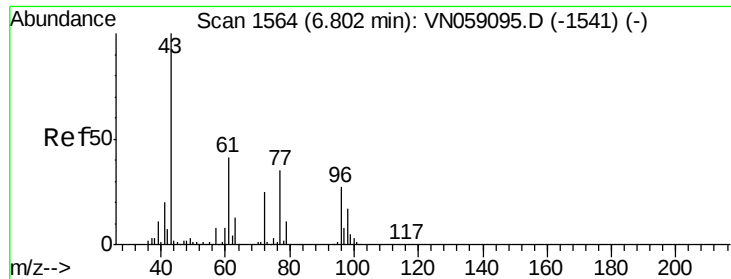
MMDadoda
11/15/2019 10:22:04 AM



#26
2,2-Dichloropropane
Concen: 18.762 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 20.812 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

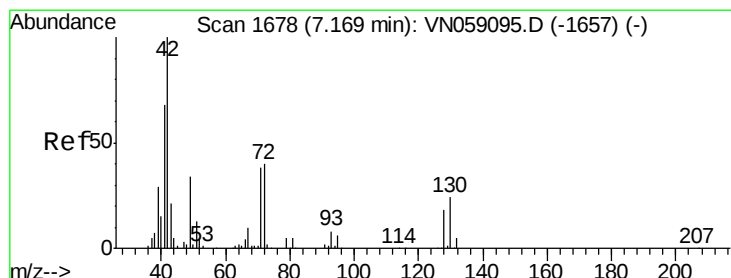
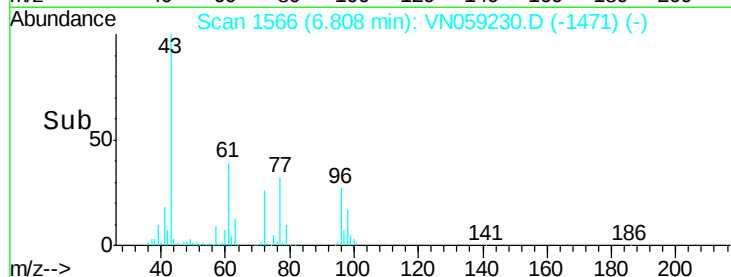
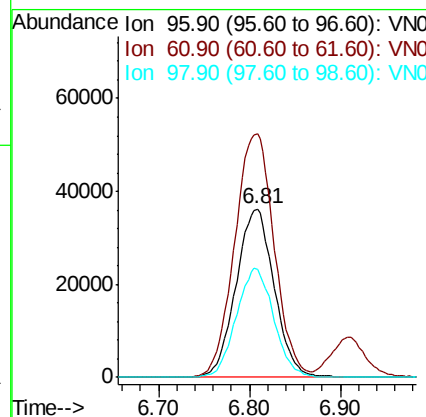
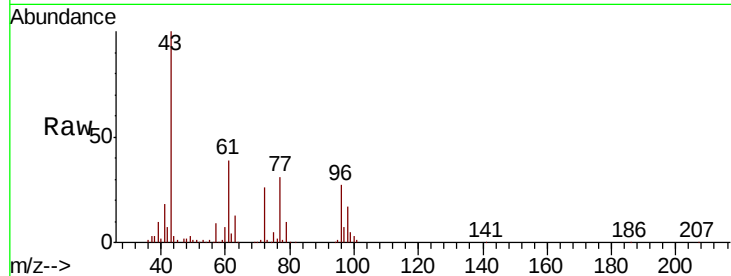
ClientSampleId :

VN1114MBSD01

Tot Ion:	96	Resp:	105413
Ion Ratio	Lower	Upper	
96	100		
61	149.8	0.0	311.6
98	63.2	0.0	129.8

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#28

Bromochloromethane

Concen: 19.644 ug/l

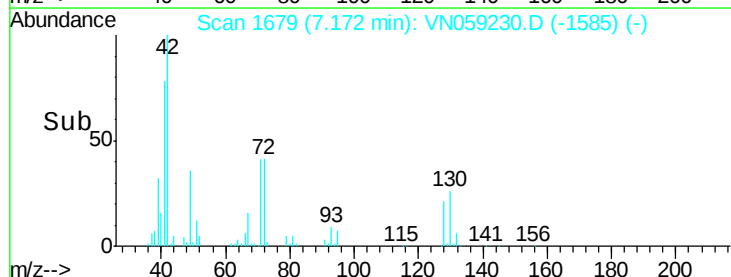
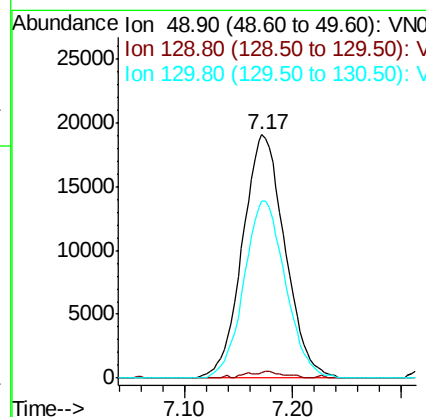
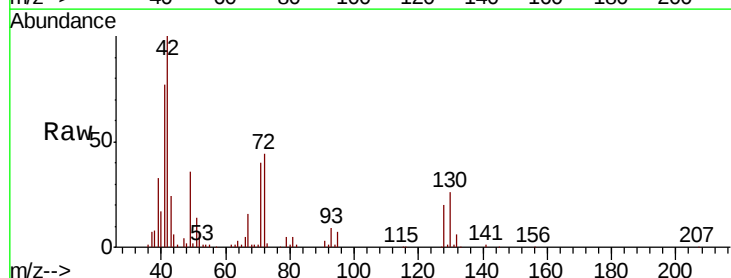
RT: 7.17 min Scan# 1679

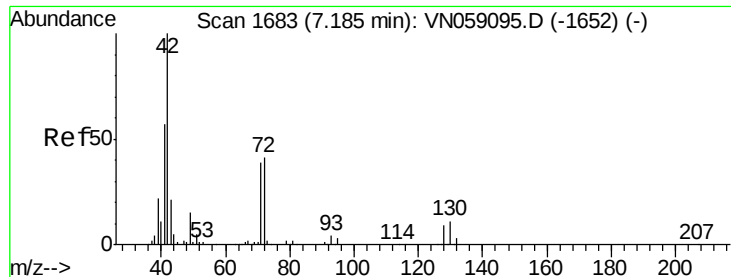
Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	49	Resp:	52090
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.8
130	71.2	55.6	83.4





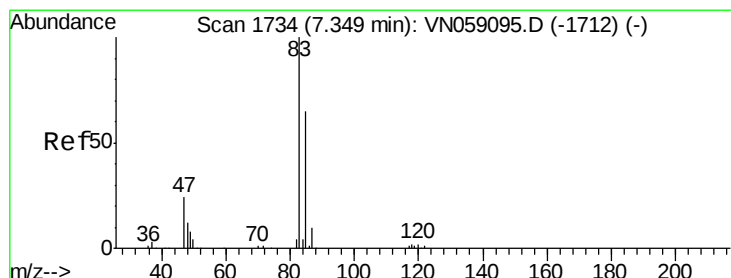
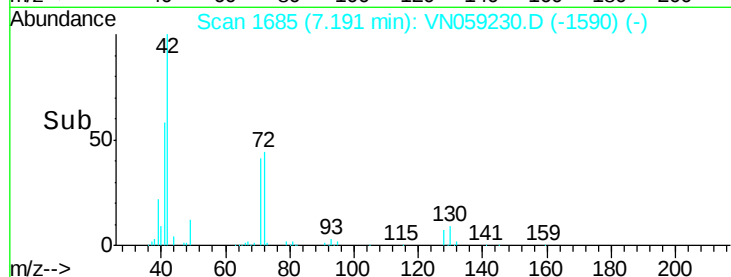
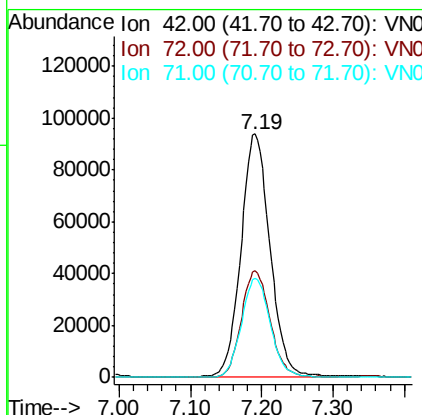
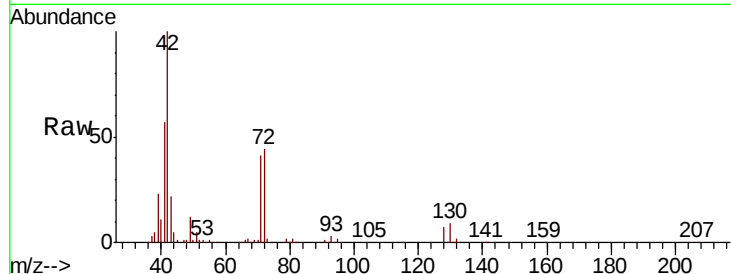
#29
Tetrahydrofuran
Concen: 114.761 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.1	49.7
71	40.3	30.9	46.3

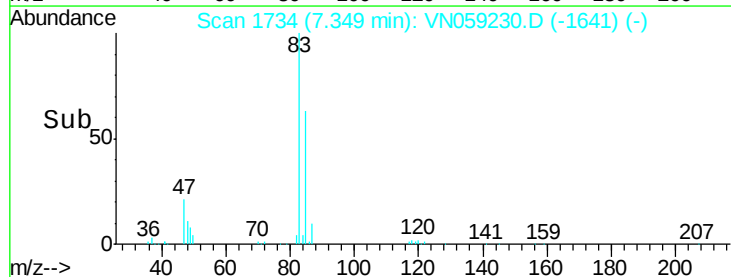
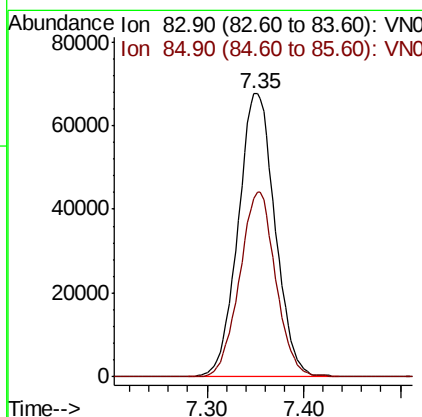
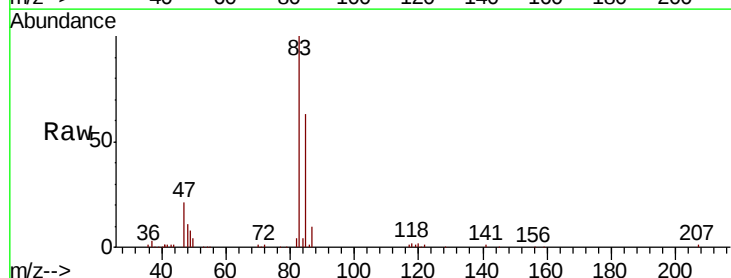
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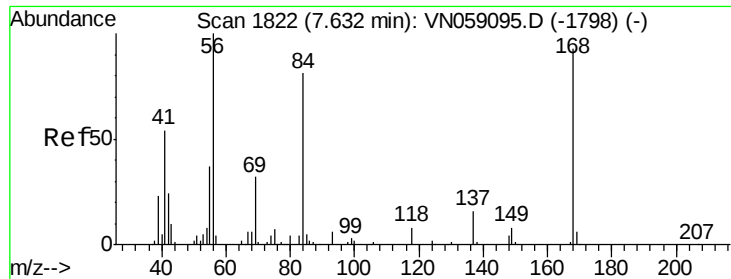
MMDadoda
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#30
Chloroform
Concen: 21.174 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8





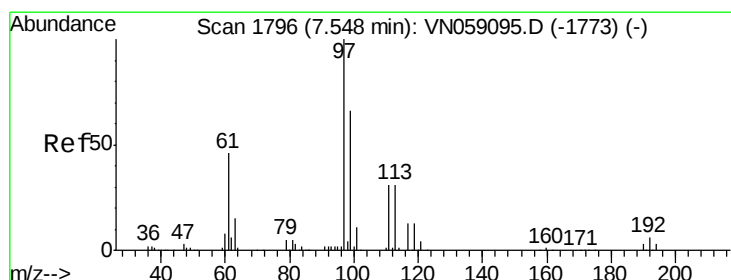
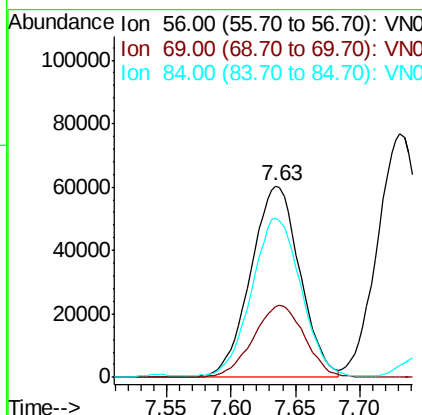
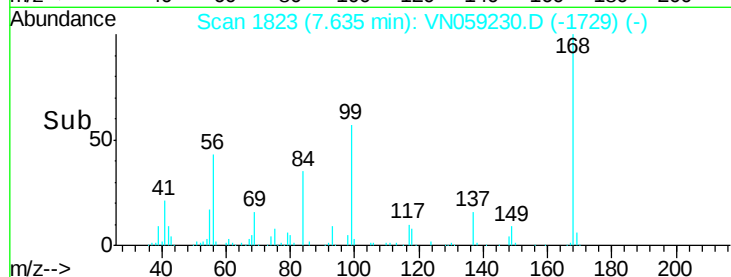
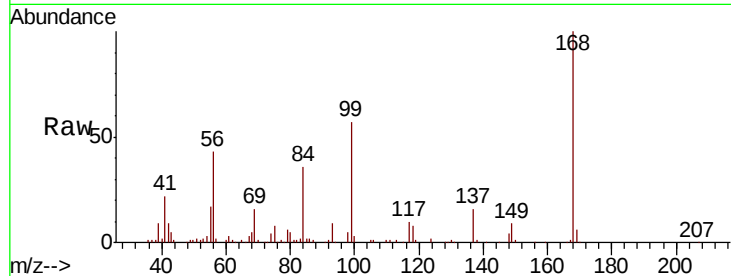
#31
Cyclohexane
Concen: 19.179 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	25.8	38.8
84	82.4	65.0	97.4

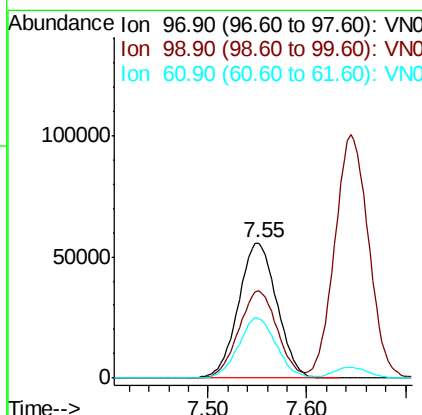
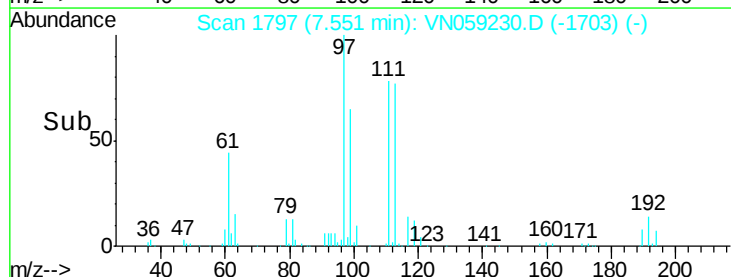
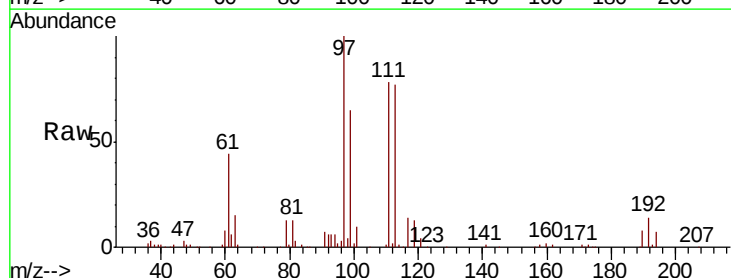
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#32
1,1,1-Trichloroethane
Concen: 21.162 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	43.7	35.8	53.8





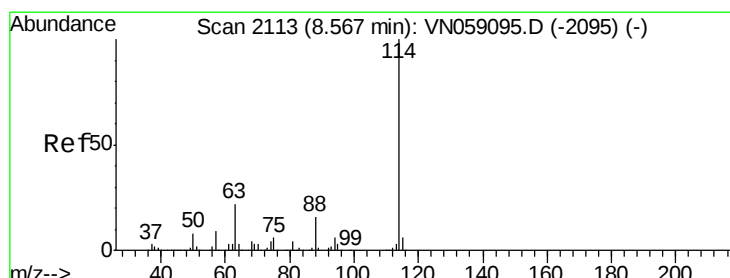
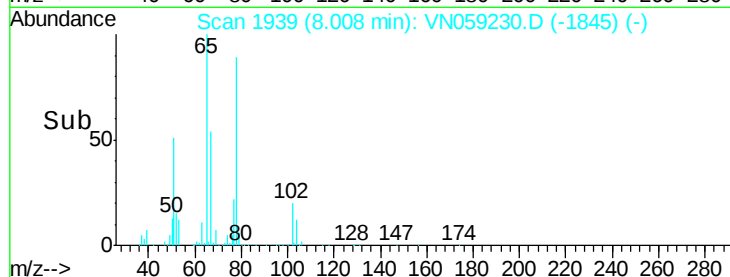
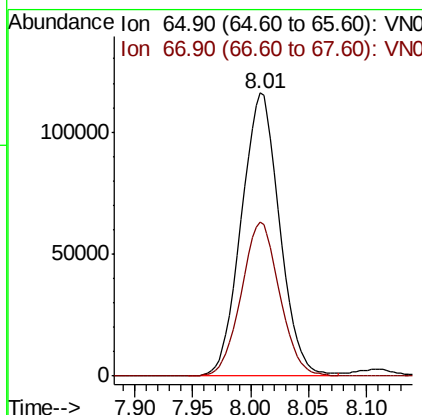
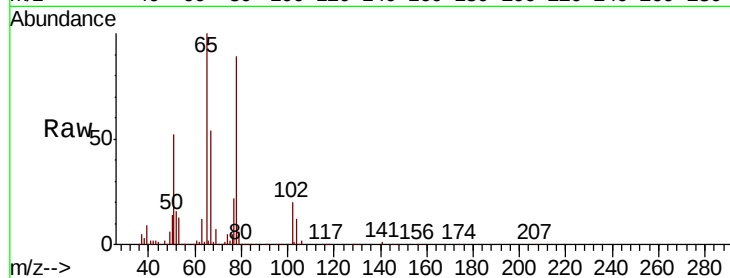
#33
 1,2-Dichloroethane-d4
 Concen: 49.727 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	107.4	

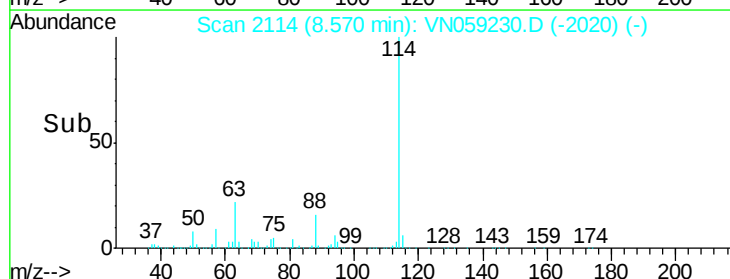
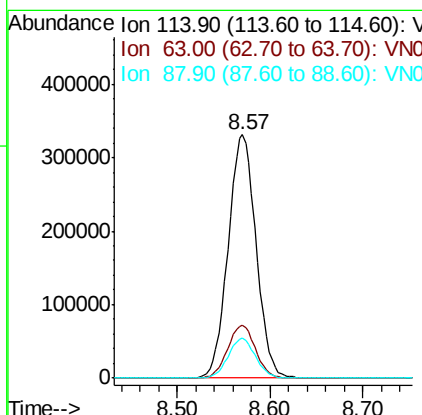
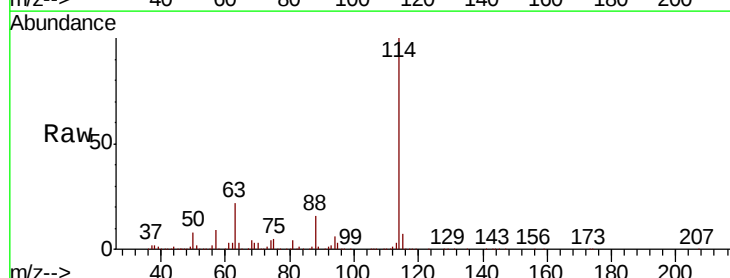
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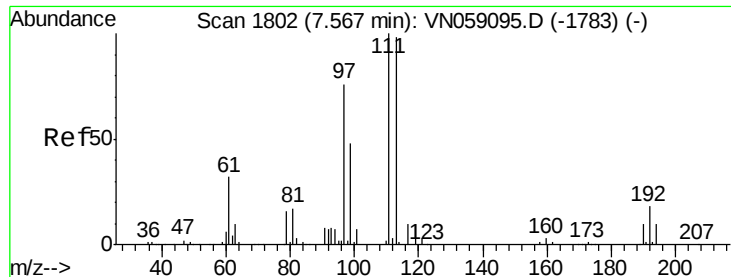
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.4	
88	16.3	0.0	32.2	





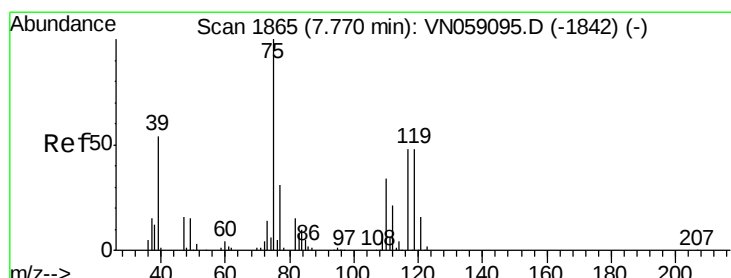
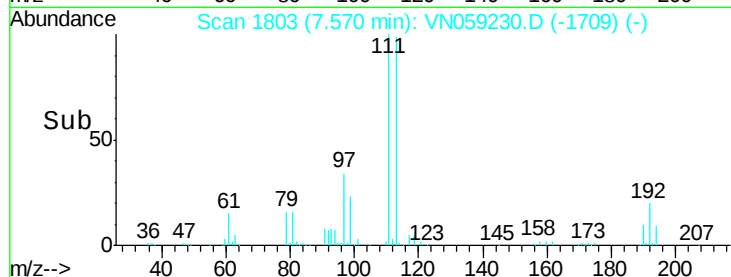
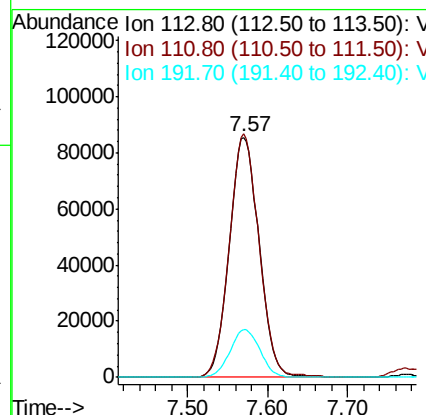
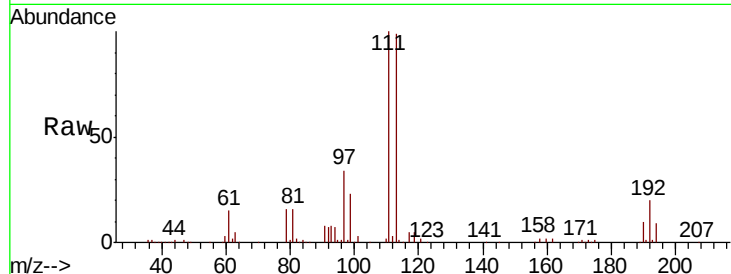
#35
 Dibromofluoromethane
 Concen: 52.666 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217130		
111	100.9	82.8	124.2	
192	20.0	16.1	24.1	

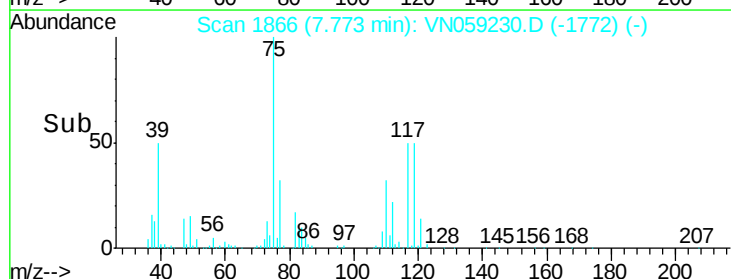
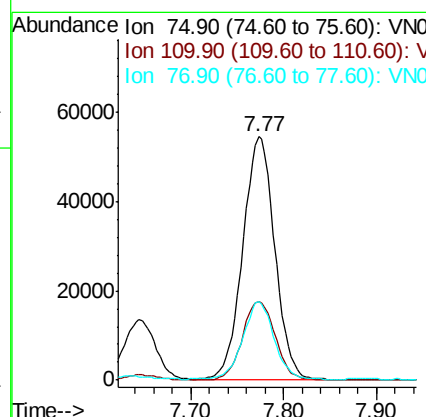
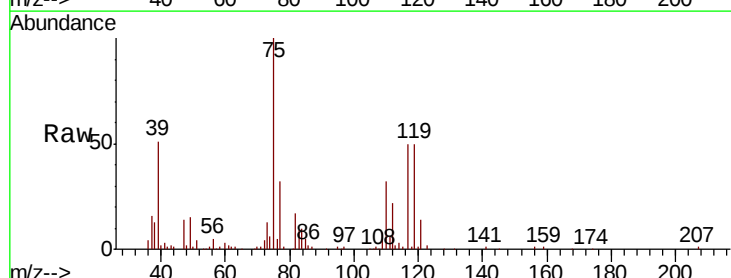
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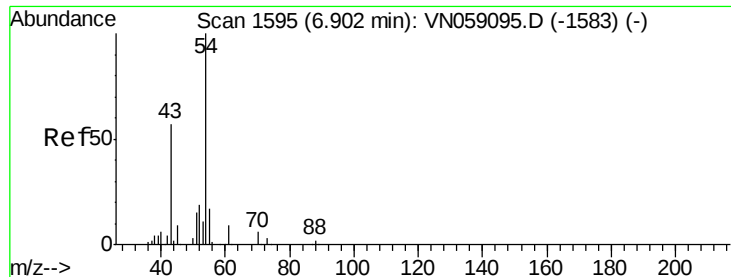
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#36
 1,1-Dichloropropene
 Concen: 20.344 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131300		
110	33.0	17.1	51.2	
77	31.1	24.8	37.2	





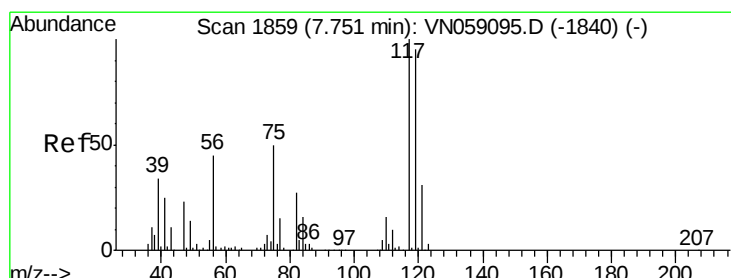
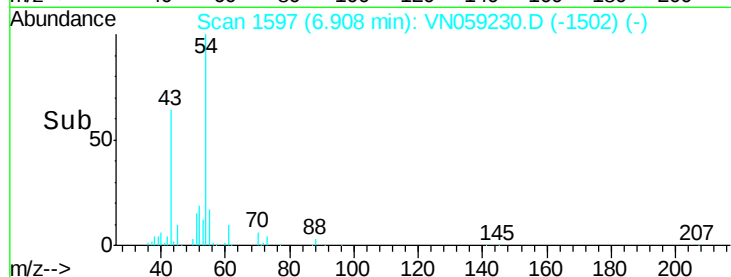
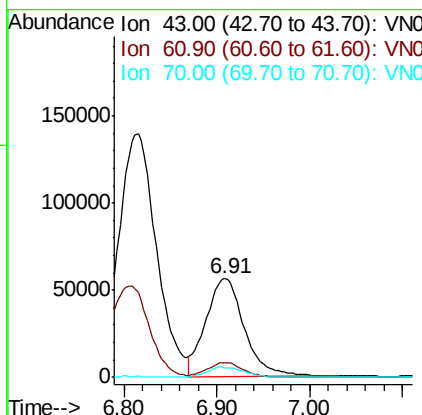
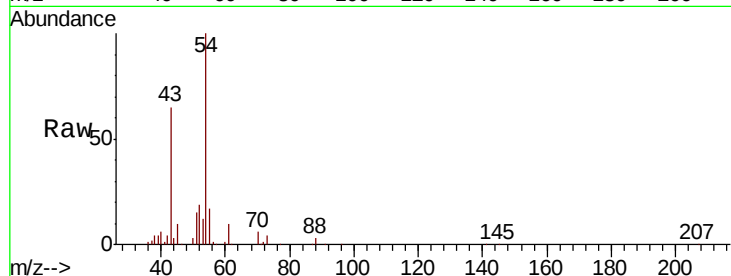
#37
Ethyl Acetate
Concen: 22.585 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	10.4	7.8	11.8

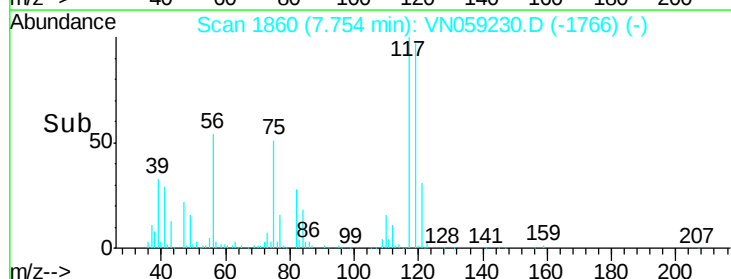
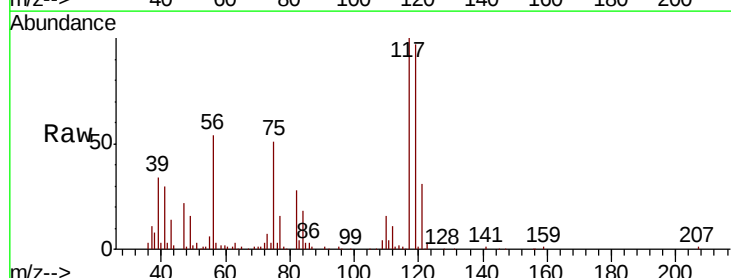
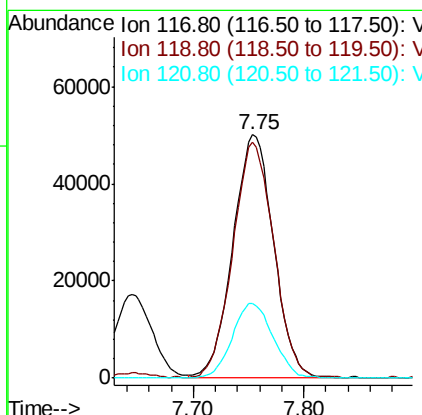
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#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.6	113.4
121	30.6	24.6	36.8





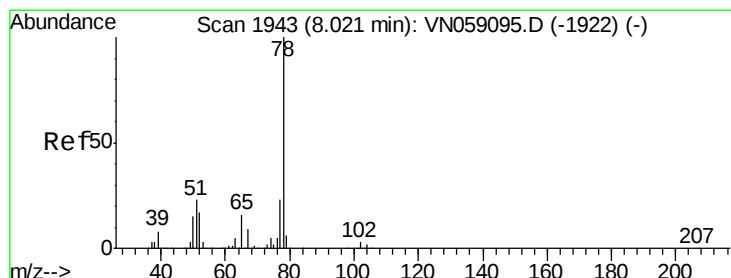
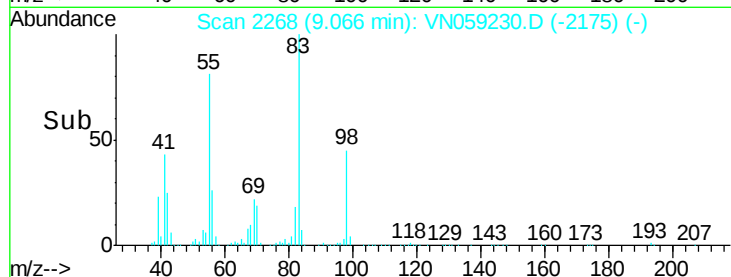
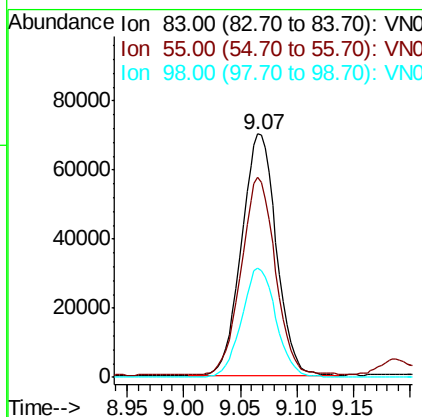
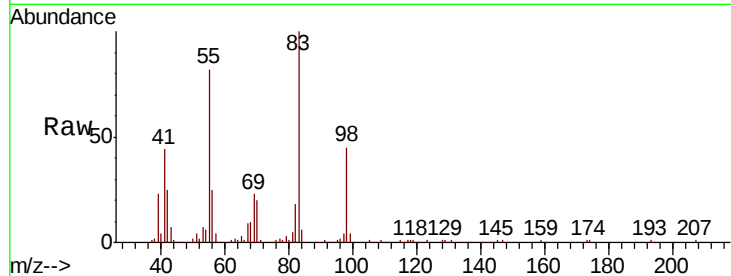
#39
Methvlcvclohexane
Concen: 20.188 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.9	95.9
98	45.3	35.6	53.4

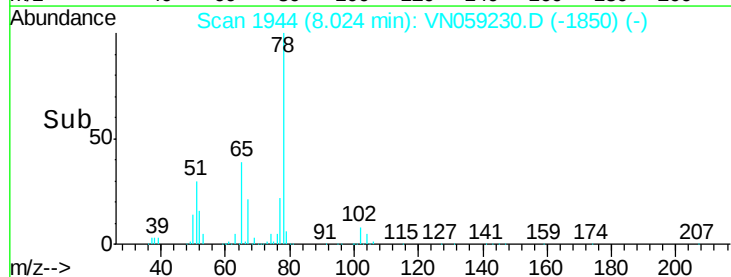
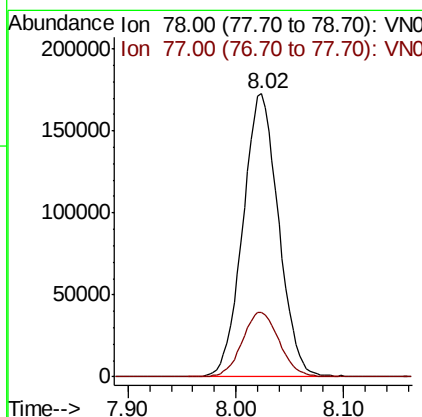
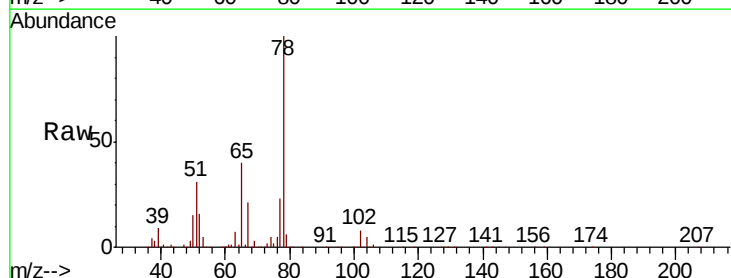
Manual Integrations
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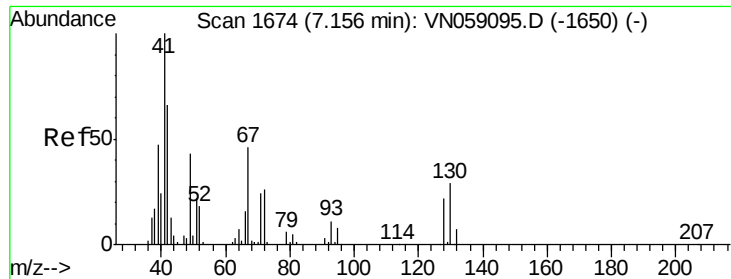
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#40
Benzene
Concen: 20.422 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





#41

Methacrylonitrile

Concen: 20.428 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 41 Resp: 63778

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

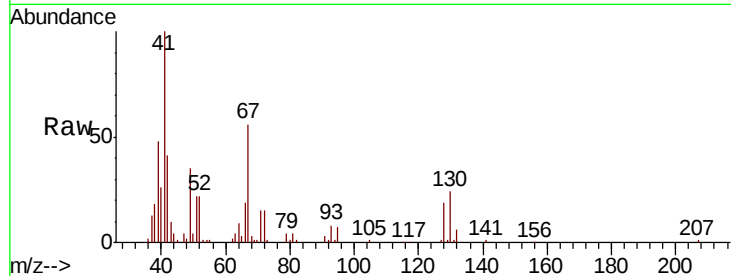
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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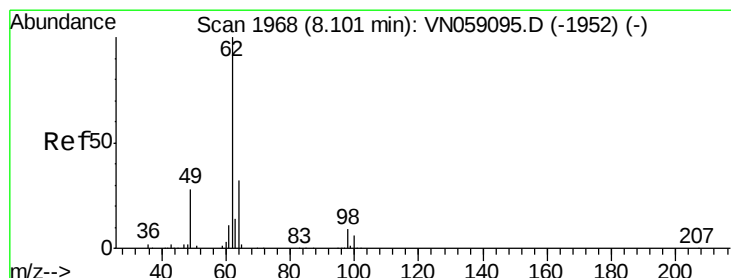
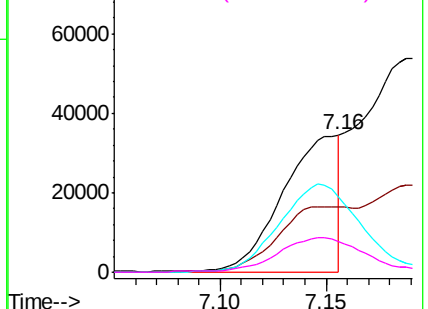
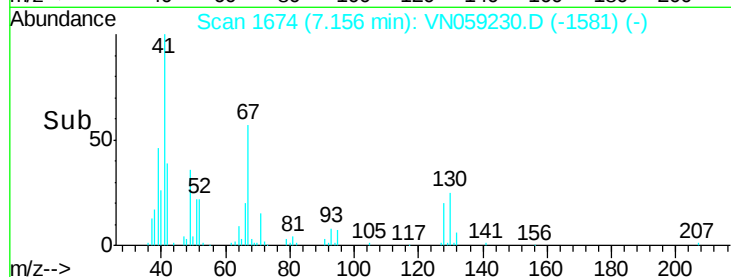


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.556 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059230.D

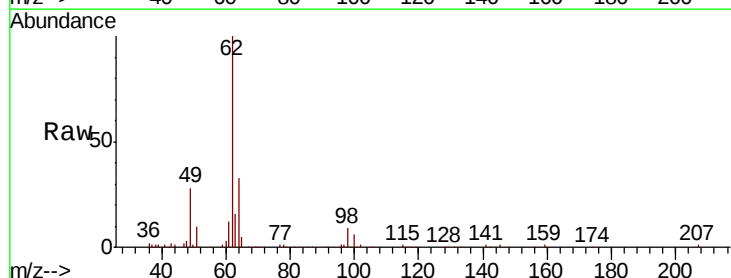
Acq: 14 Nov 2019 13:53

Tgt Ion: 62 Resp: 137020

Ion Ratio Lower Upper

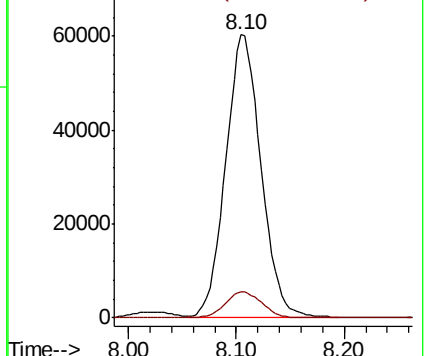
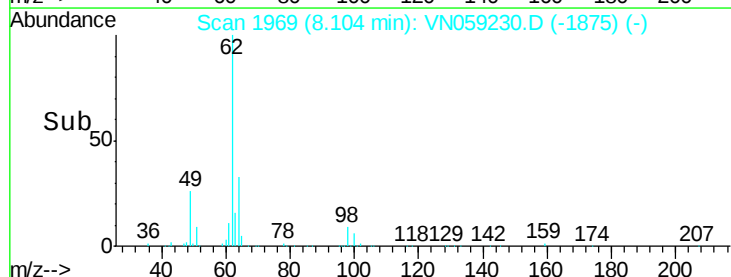
62 100

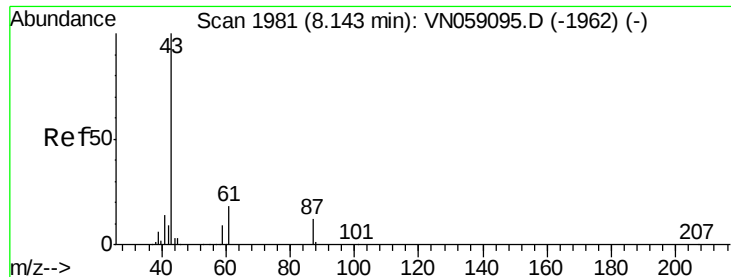
98 9.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.441 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

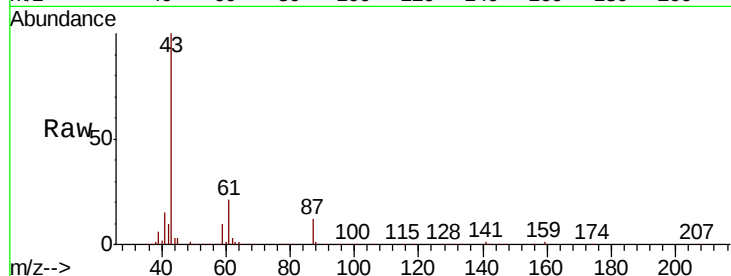
ClientSampleId :

VN1114MBSD01

Tot Ion:	43	Resp:	245418
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.9	9.8	14.6

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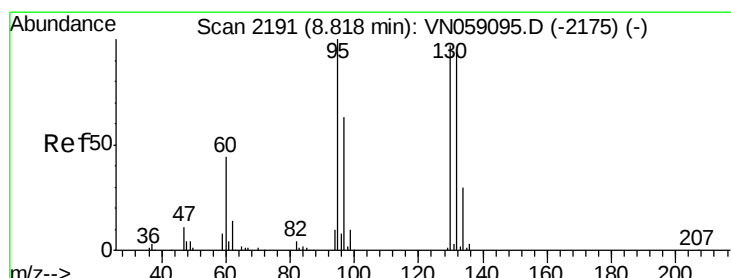
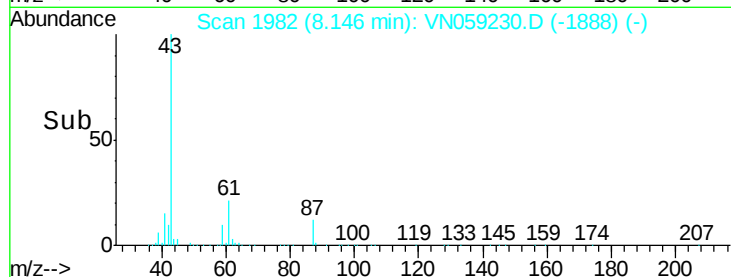
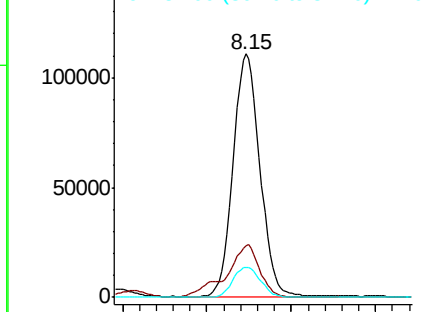
MMDadoda
11/15/2019 10:22:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059230.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059230.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059230.D (-1888) (-)



#44

Trichloroethene

Concen: 20.620 ug/l

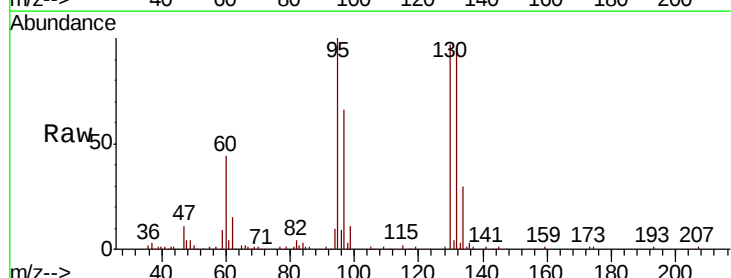
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059230.D

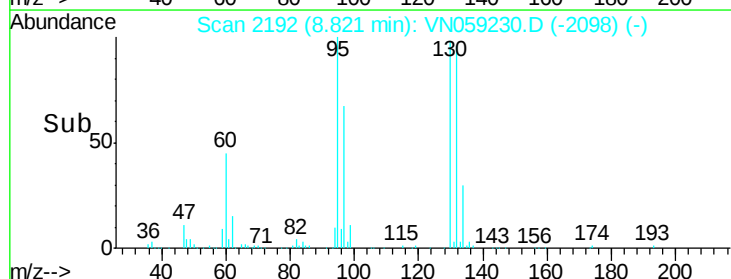
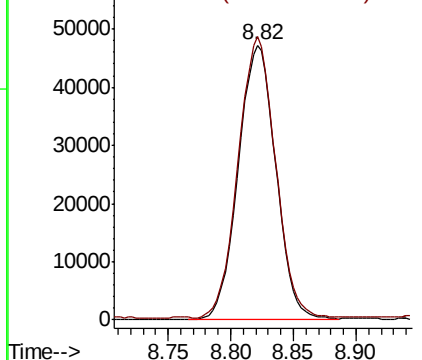
Acq: 14 Nov 2019 13:53

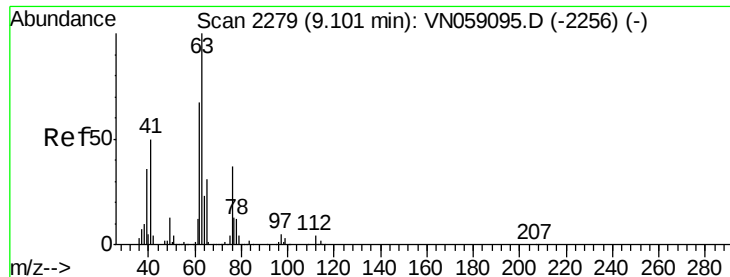
Tgt Ion:	130	Resp:	98512
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059230.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059230.D (-2098) (-)





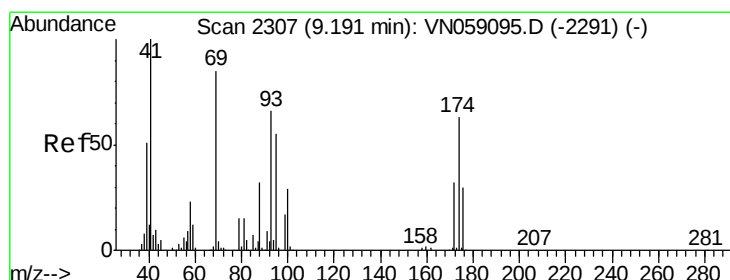
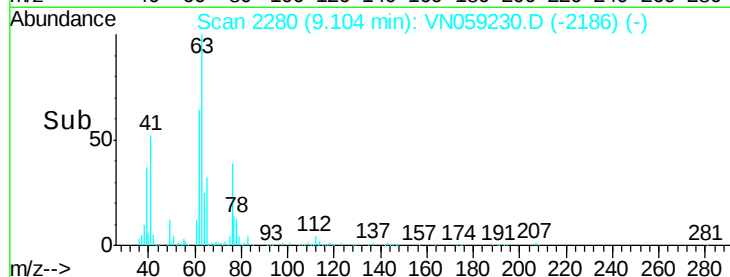
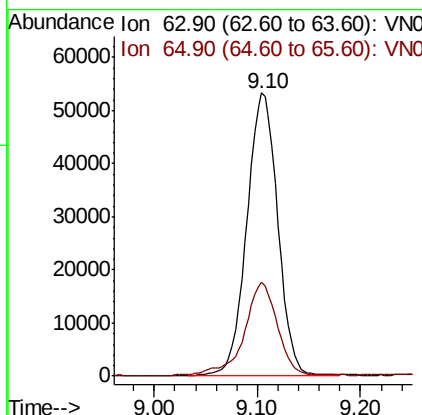
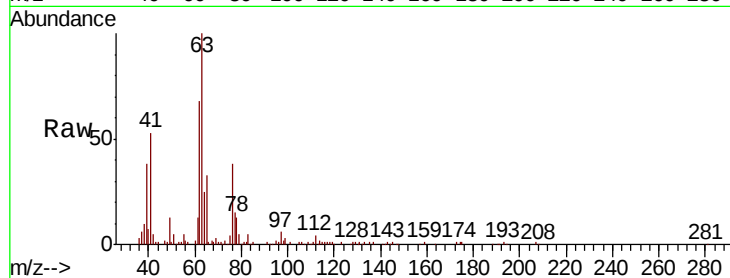
#45
 1,2-Dichloropropane
 Concen: 21.096 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.6	37.0

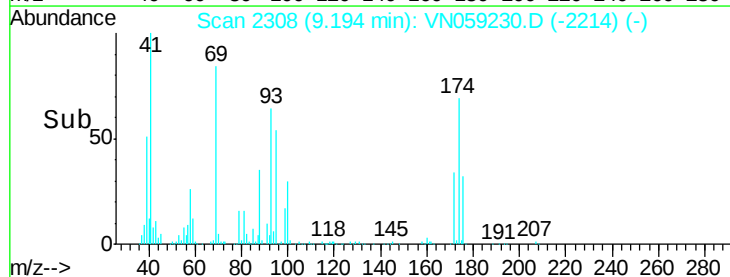
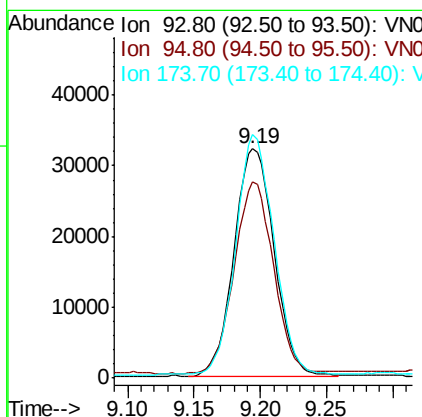
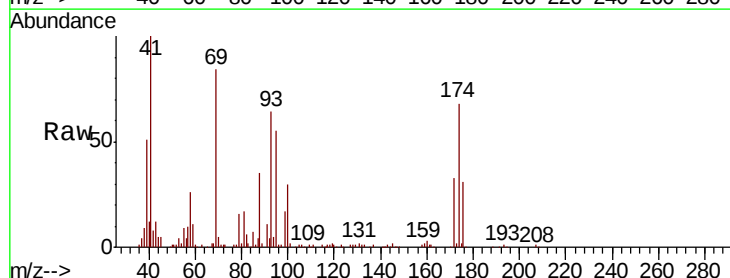
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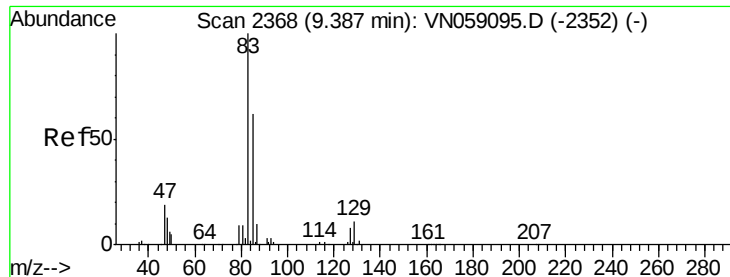
MMDadoda
 11/15/2019 10:22:04 AM



#46
 Dibromomethane
 Concen: 20.680 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	100.0
174	99.7	78.2	117.2





#47

Bromodichloromethane

Concen: 21.283 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

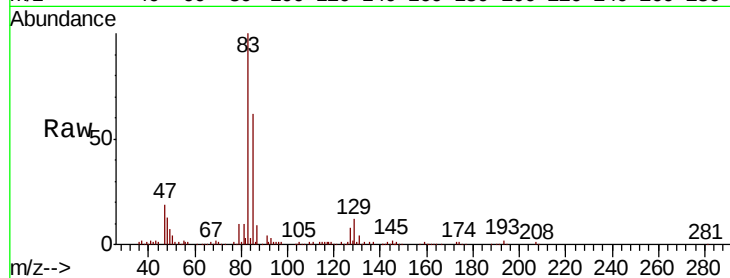
ClientSampleId :

VN1114MBS01

Tot Ion:	83	Resp:	139801
Ion Ratio	Lower	Upper	
83	100		
85	62.6	49.7	74.5
127	8.3	6.4	9.6

Manual Integrations
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MMDadoda
11/15/2019 10:22:04 AM

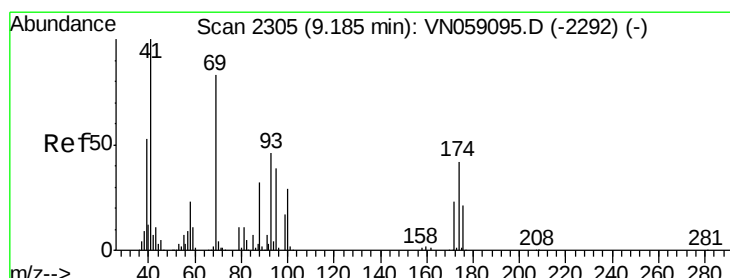
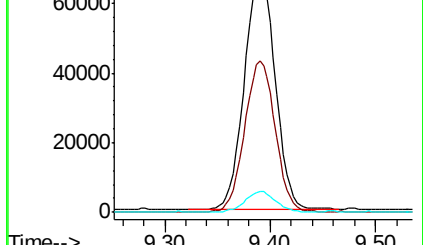
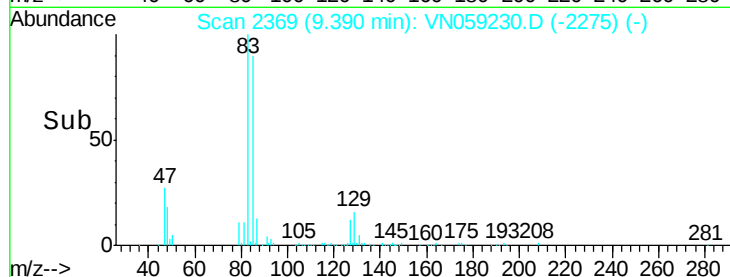


Abundance Ion 82.90 (82.60 to 83.60): VN059230.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059230.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059230.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.654 ug/l

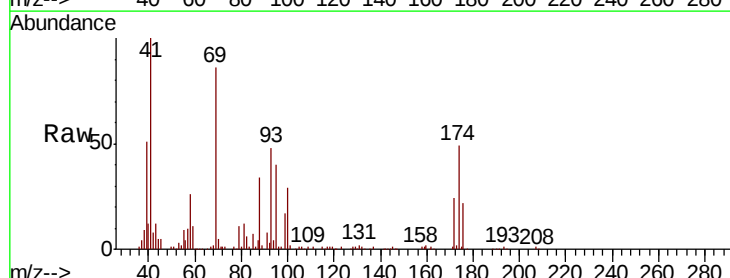
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	41	Resp:	110865
Ion Ratio	Lower	Upper	
41	100		
69	87.4	67.3	100.9
39	53.1	43.3	64.9

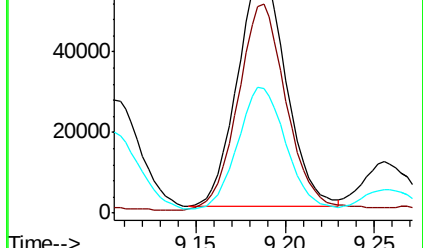
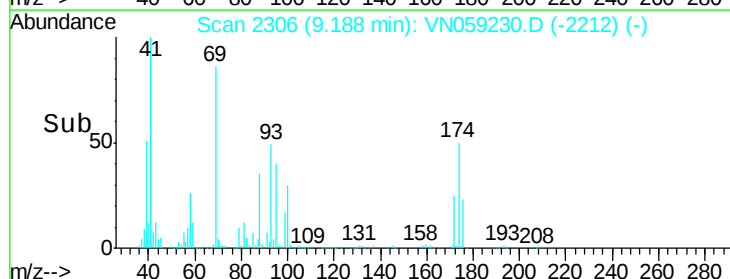


Abundance Ion 41.00 (40.70 to 41.70): VN059230.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059230.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059230.D (-2212) (-)

Time-->





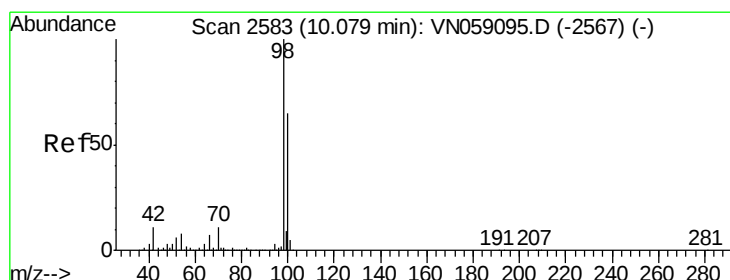
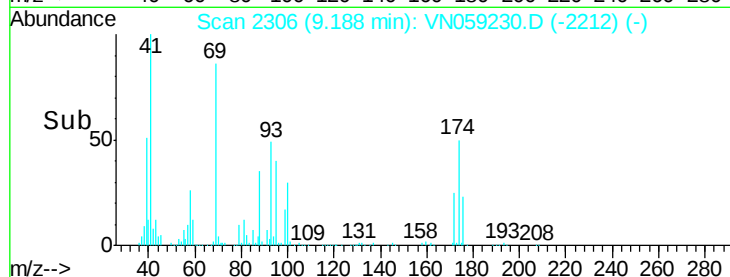
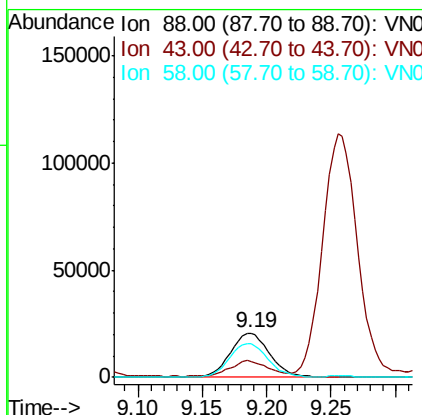
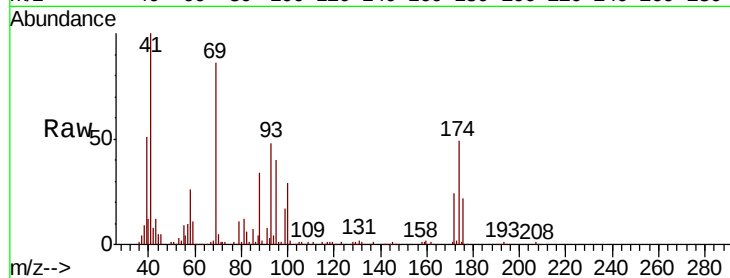
#49
1,4-Dioxane
Concen: 482.456 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.3	39.5
58	75.0	60.6	90.8

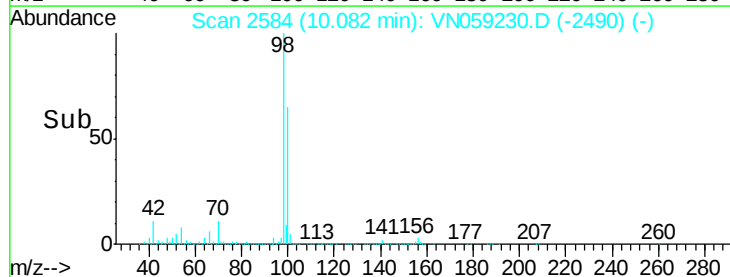
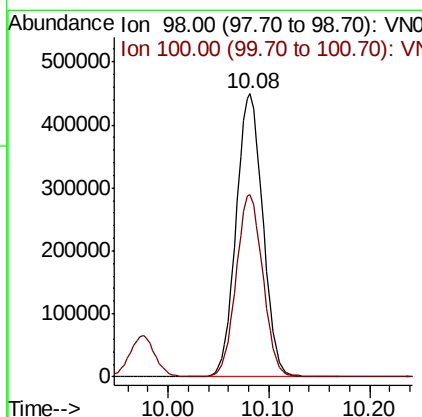
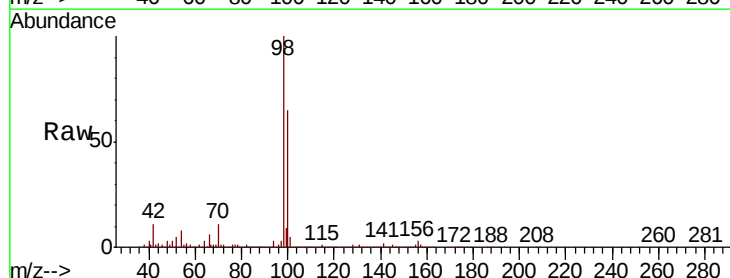
Manual Integrations
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#50
Toluene-d8
Concen: 50.730 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





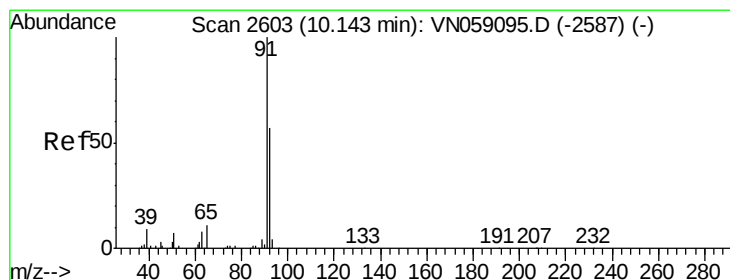
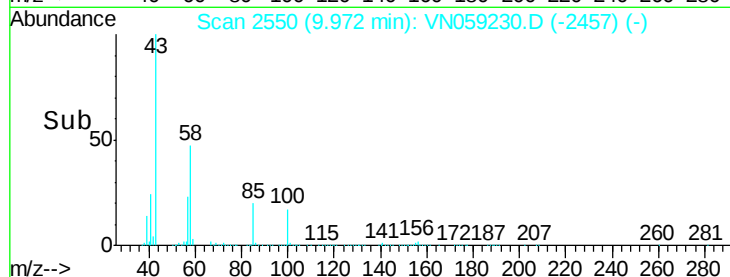
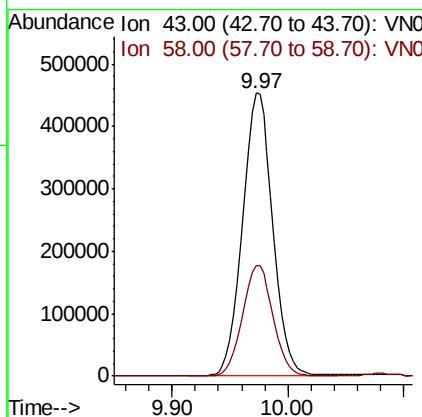
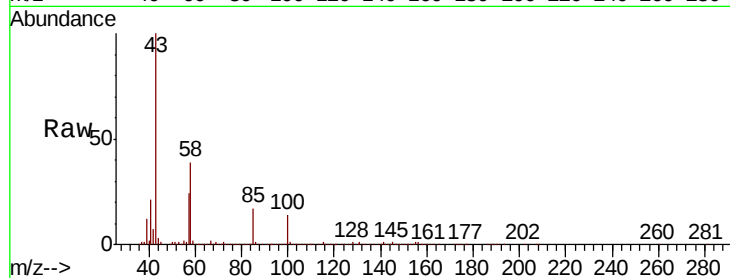
#51
4-Methyl-2-Pentanone
Concen: 126.393 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.5	47.3

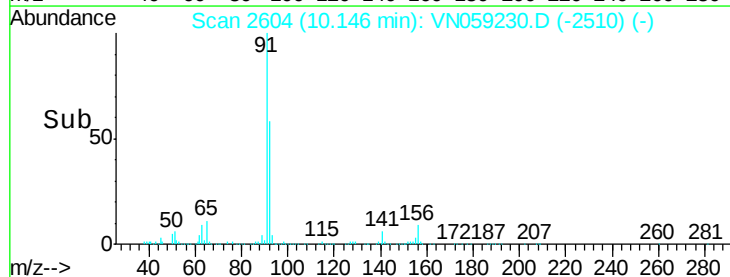
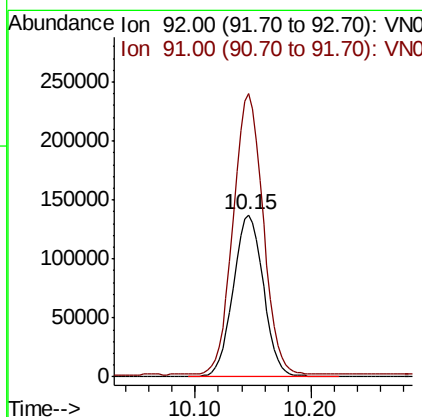
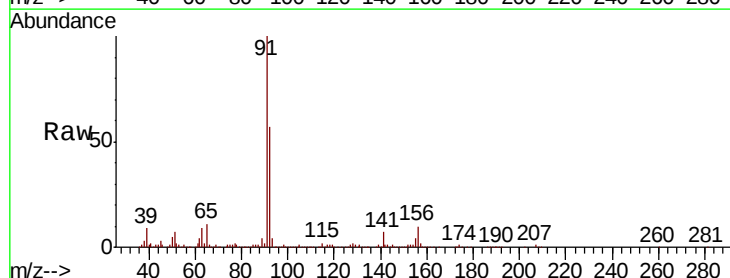
Manual Integrations
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MMDadoda
11/15/2019 10:22:04 AM



#52
Toluene
Concen: 21.162 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	139.5	209.3





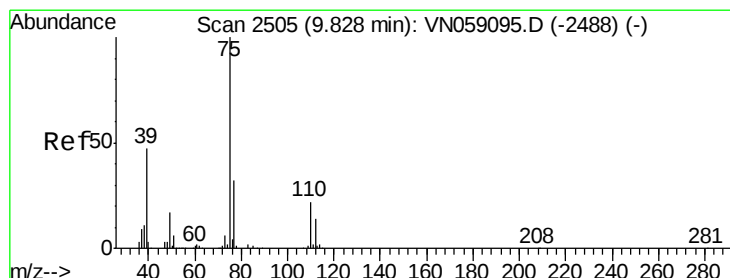
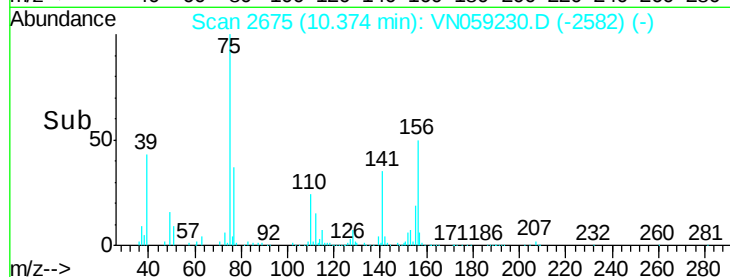
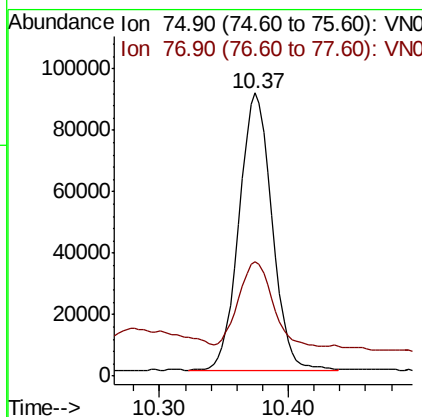
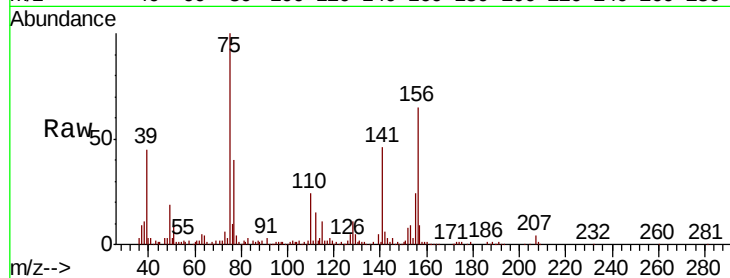
#53
t-1,3-Dichloropropene
Concen: 21.110 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9

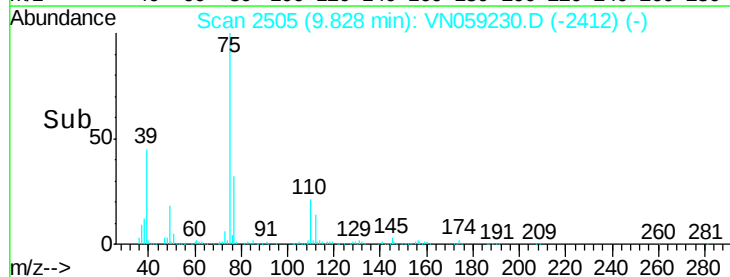
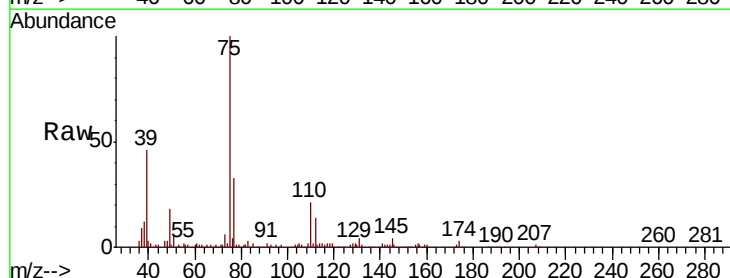
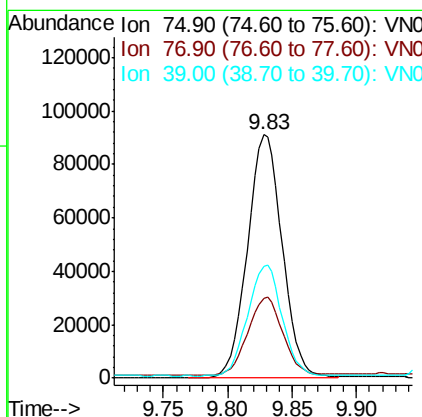
Manual Integrations
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11/15/2019 10:22:04 AM



#54
cis-1,3-Dichloropropene
Concen: 21.053 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	44.7	37.3	55.9





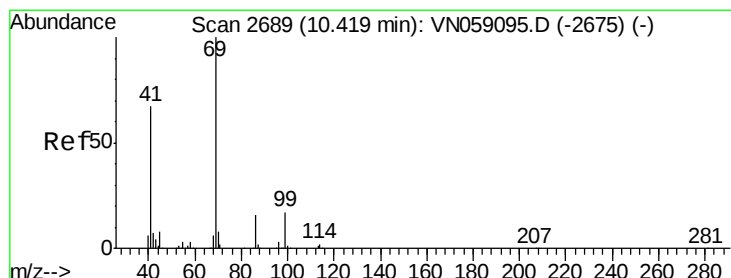
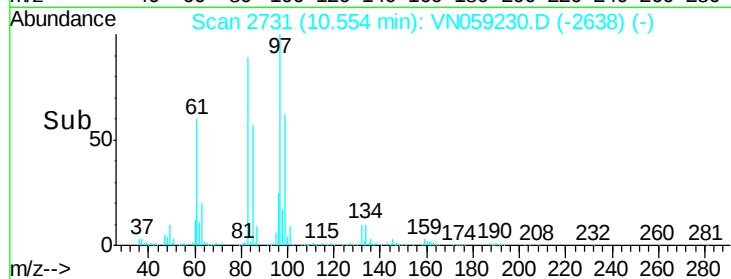
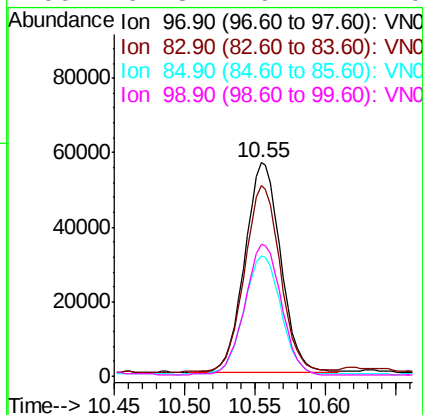
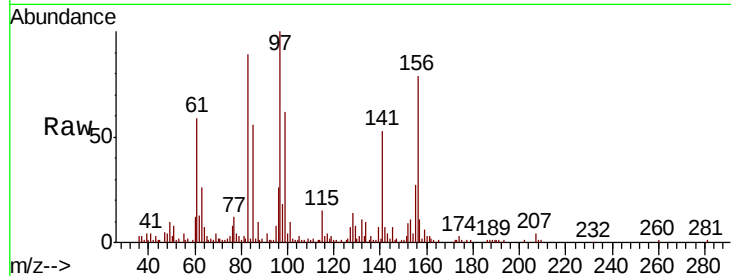
#55
 1,1,2-Trichloroethane
 Concen: 21.274 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100295		
83	88.5	71.0	106.4		
85	56.3	45.8	68.8		
99	62.3	49.4	74.0		

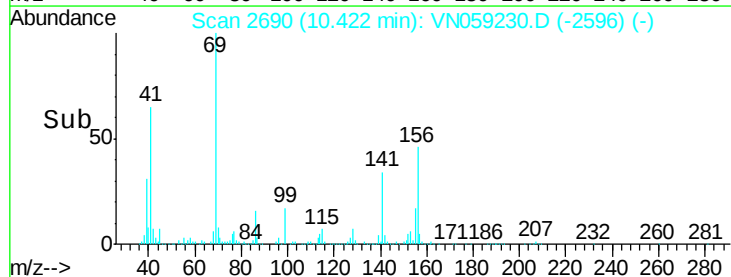
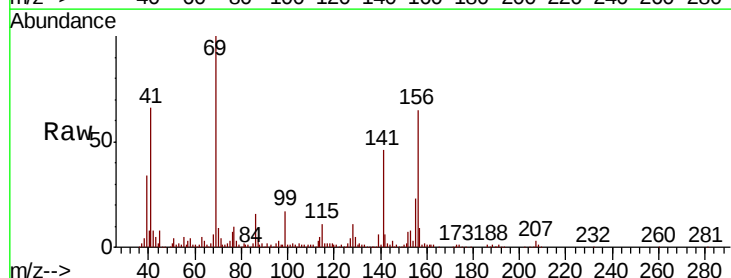
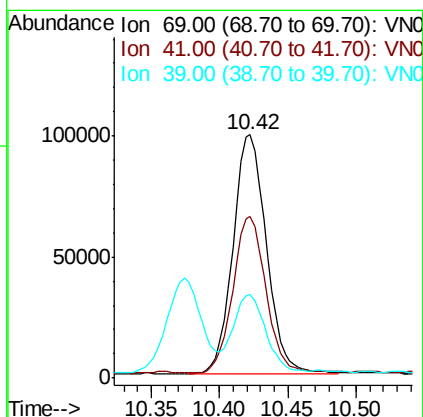
Manual Integrations
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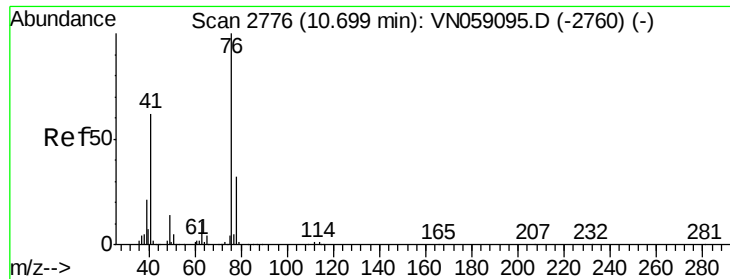
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#56
 Ethyl methacrylate
 Concen: 22.446 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168062		
41	64.0	53.6	80.4		
39	30.8	26.2	39.4		





#57

1,3-Dichloropropane

Concen: 21.889 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 76 Resp: 177606

Ion Ratio Lower Upper

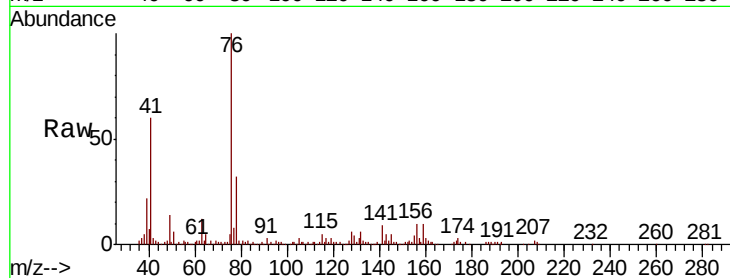
76 100

78 31.2 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

100000

80000

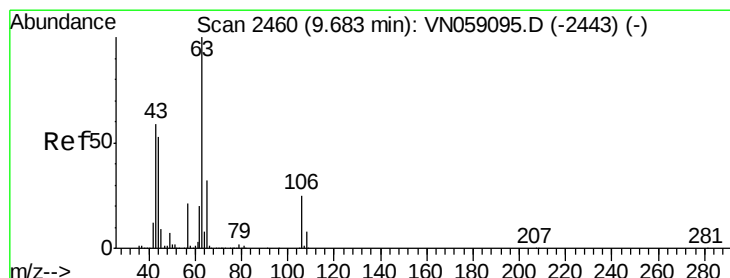
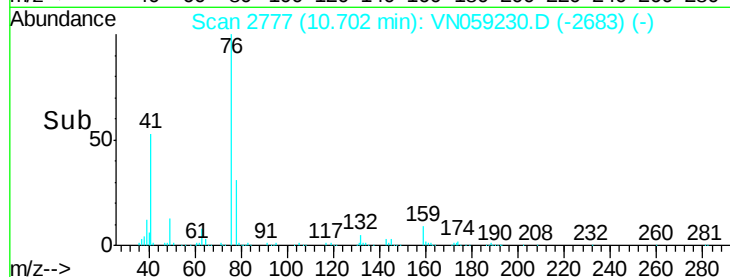
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 119.799 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059230.D

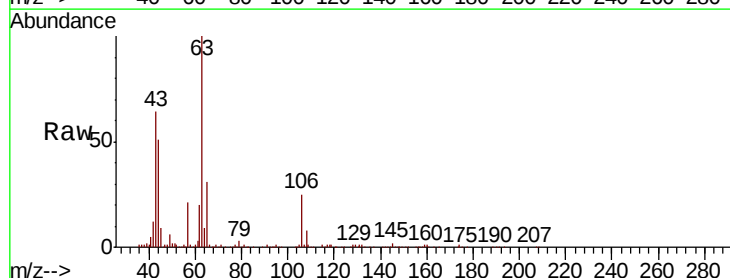
Acq: 14 Nov 2019 13:53

Tgt Ion: 63 Resp: 314311

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

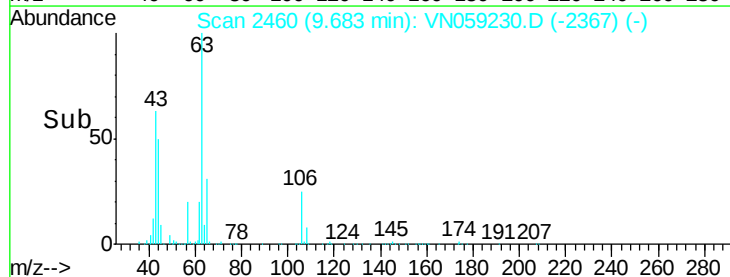
150000

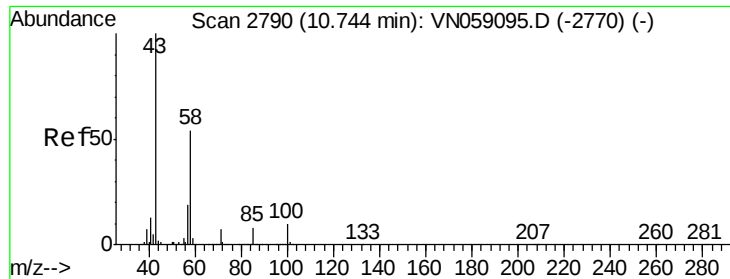
100000

50000

0

Time-->





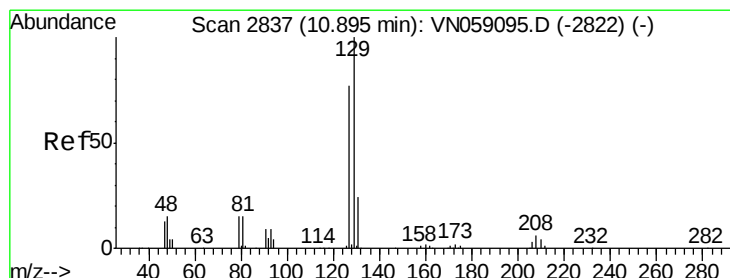
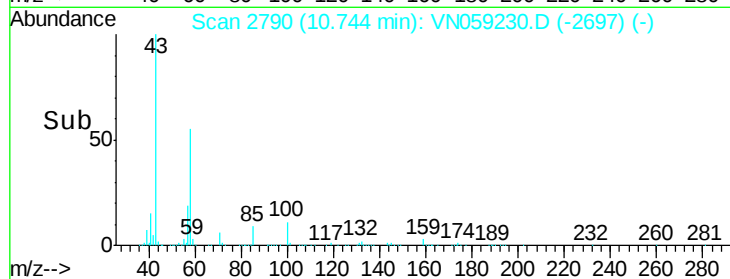
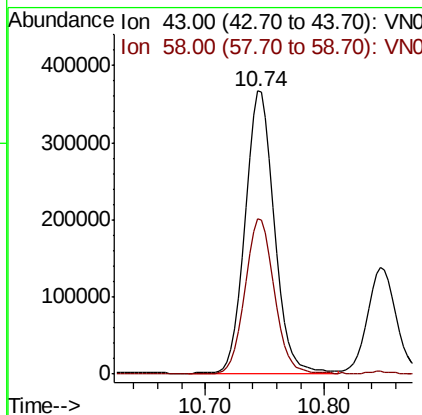
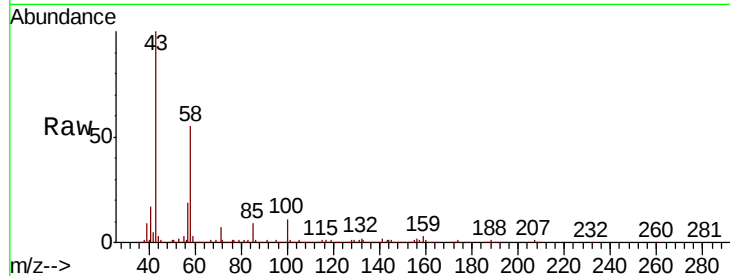
#59
2-Hexanone
Concen: 124.614 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion: 43 Resp: 619470
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8

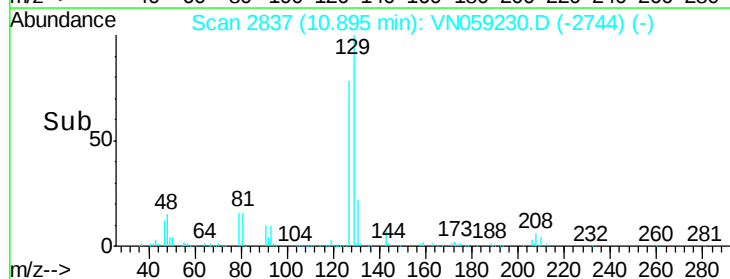
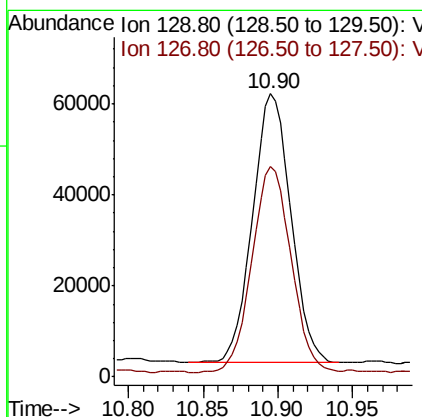
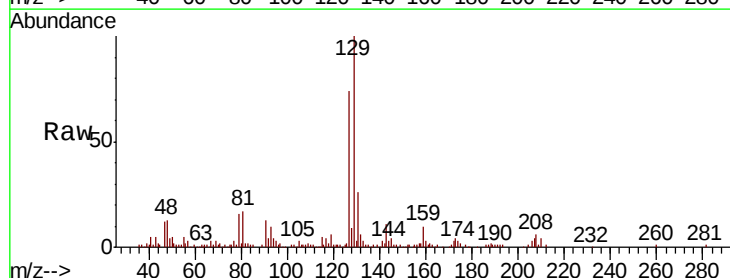
Manual Integrations
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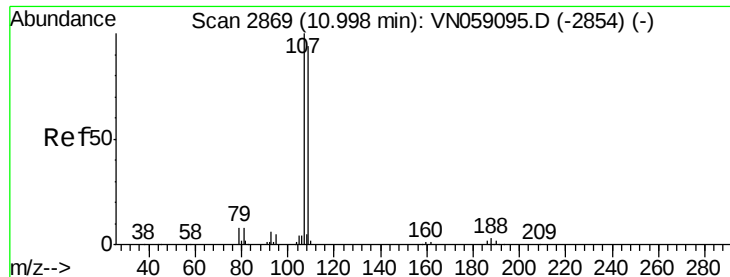
MMDadoda
11/15/2019 10:22:04 AM



#60
Dibromochloromethane
Concen: 21.064 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 129 Resp: 104991
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





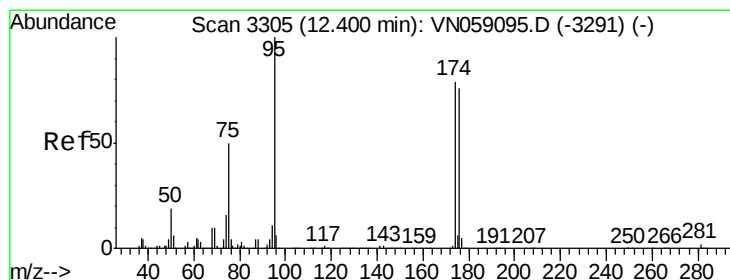
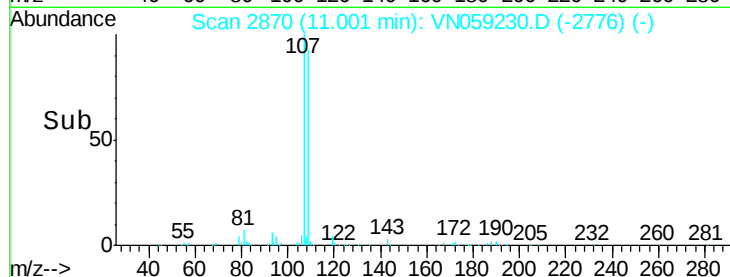
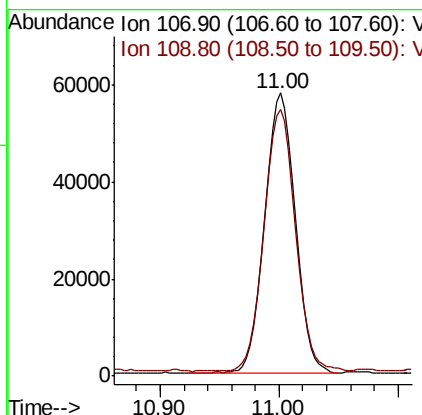
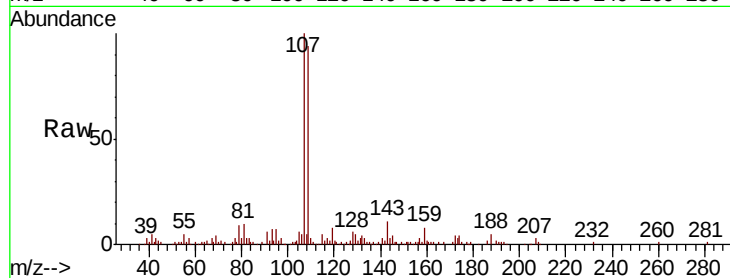
#61
 1,2-Dibromoethane
 Concen: 21.618 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.5	113.3

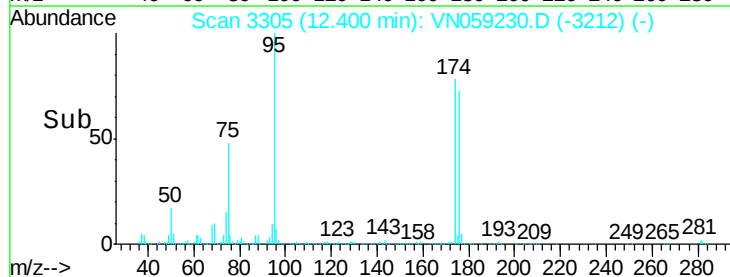
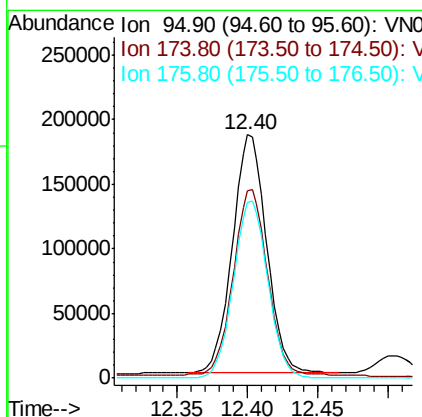
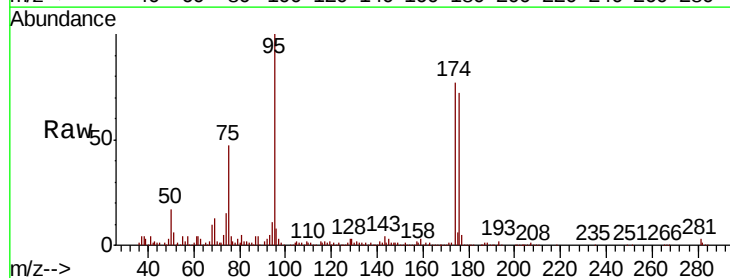
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#62
 4-Bromofluorobenzene
 Concen: 53.343 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	158.2
176	75.2	0.0	151.8





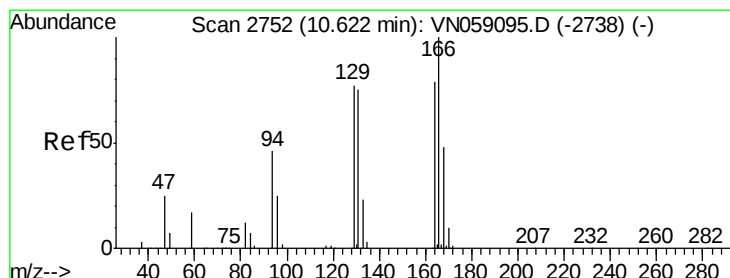
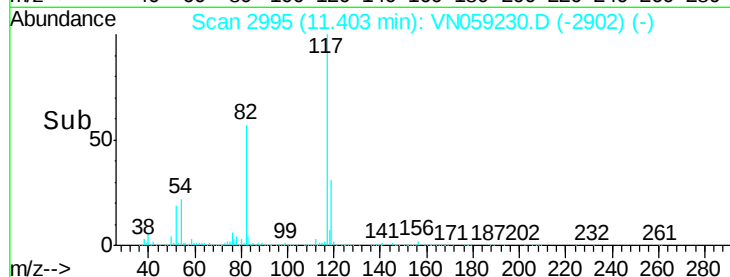
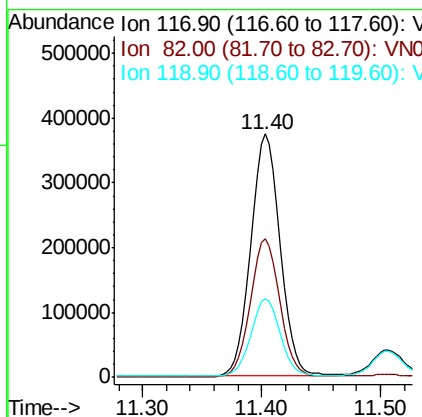
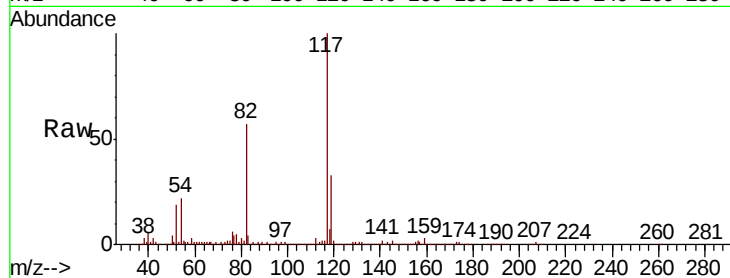
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	32.1	25.8	38.6

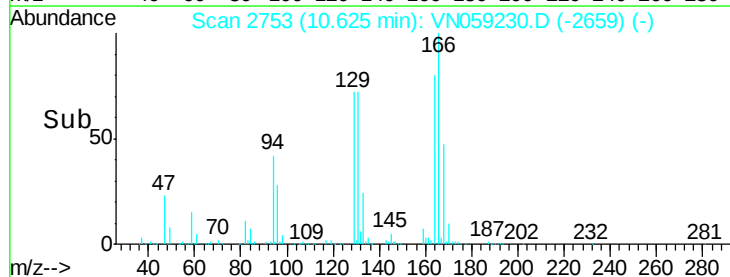
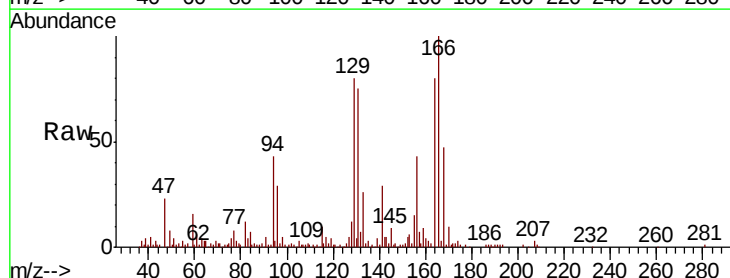
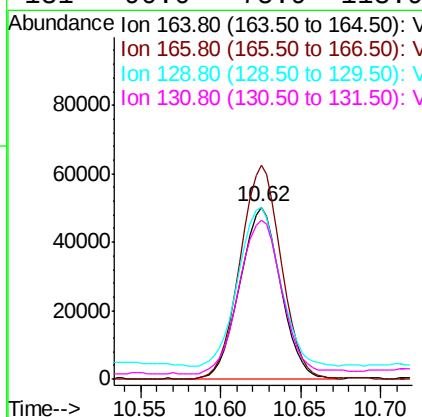
Manual Integrations
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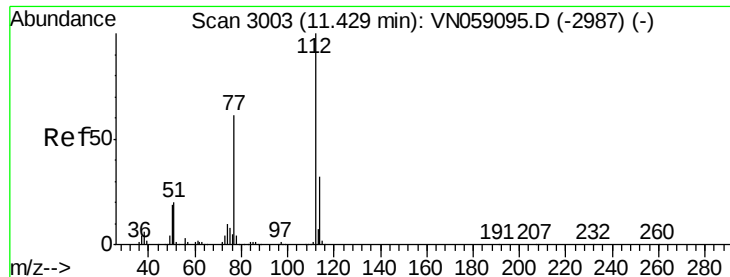
MMDadoda
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#64
Tetrachloroethene
Concen: 20.071 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.5	152.3
129	92.4	78.3	117.5
131	90.0	75.9	113.9





#65

Chlorobenzene

Concen: 21.193 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion:112 Resp: 264345

Ion Ratio Lower Upper

112 100

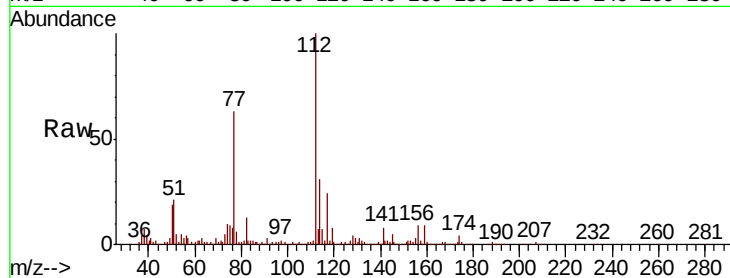
114 31.0 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

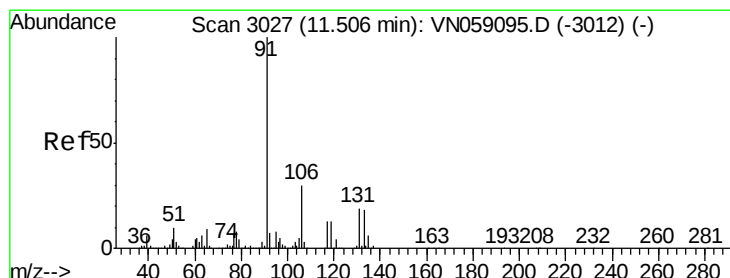
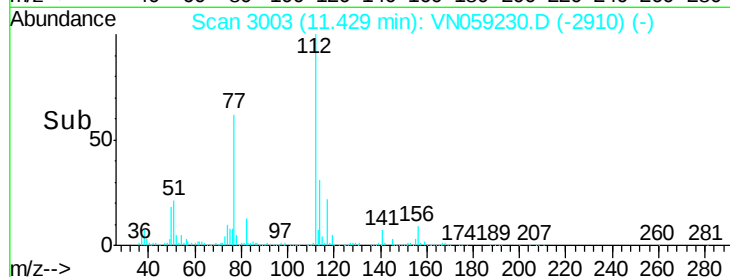
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.289 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

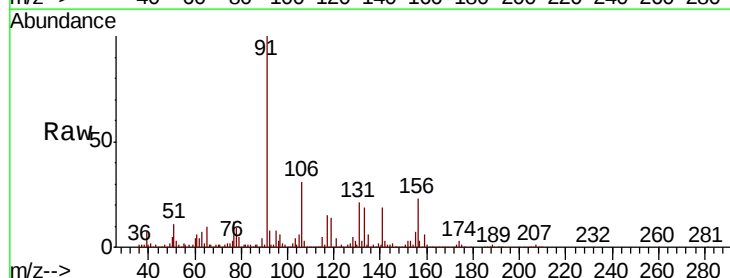
Tgt Ion:131 Resp: 99611

Ion Ratio Lower Upper

131 100

133 98.9 47.4 142.3

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

80000

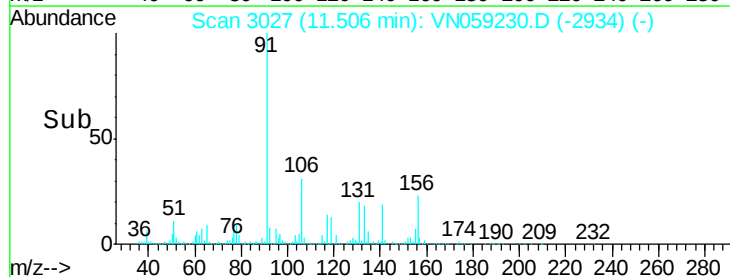
60000

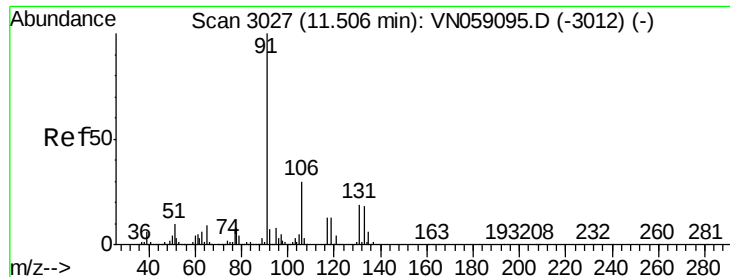
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 22.073 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 91 Resp: 488480

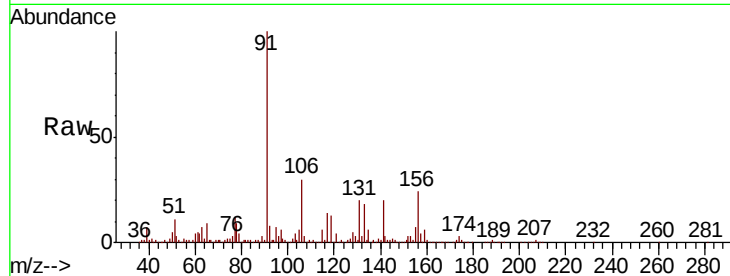
Ion Ratio Lower Upper

91 100

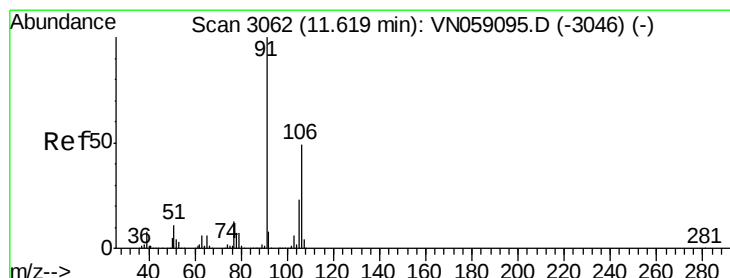
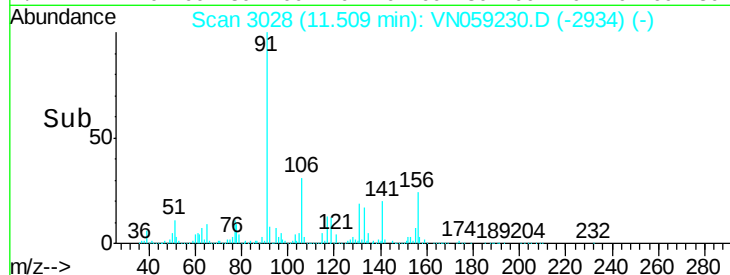
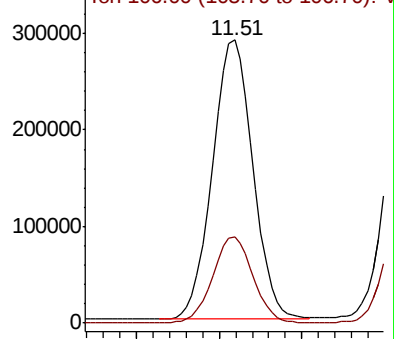
106 30.6 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 43.390 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059230.D

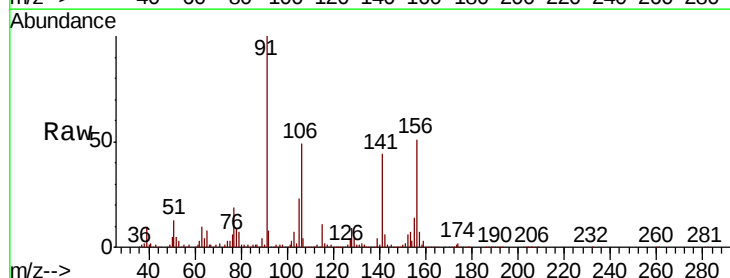
Acq: 14 Nov 2019 13:53

Tgt Ion: 106 Resp: 359684

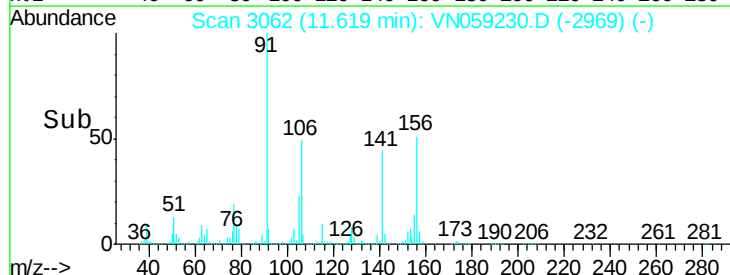
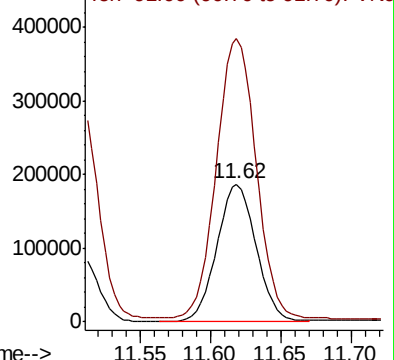
Ion Ratio Lower Upper

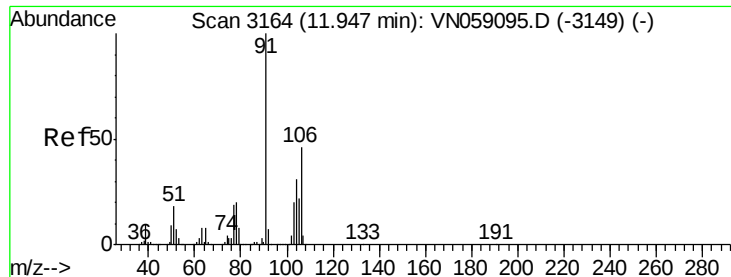
106 100

91 208.5 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)





#69

o-Xylene

Concen: 22.059 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleID :

VN1114MBSD01

Tot Ion:106 Resp: 176713

Ion Ratio Lower Upper

106 100

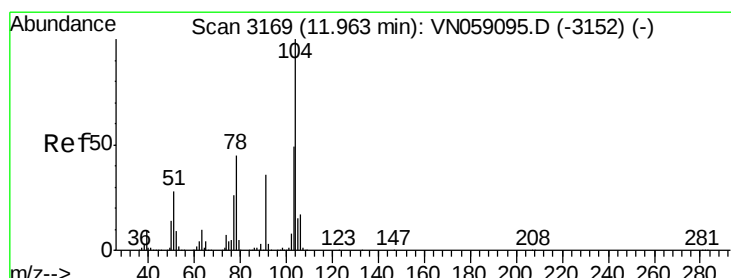
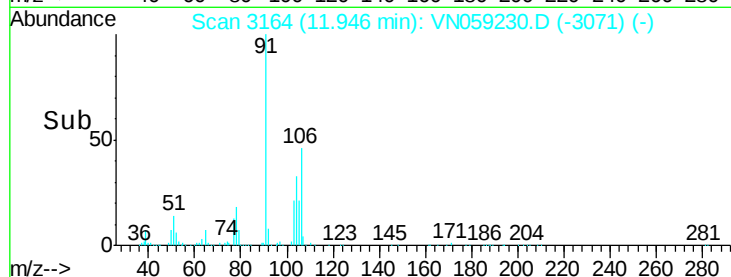
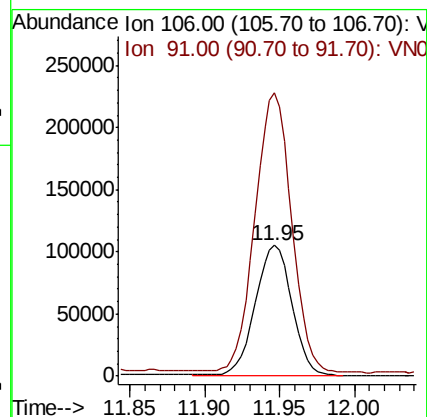
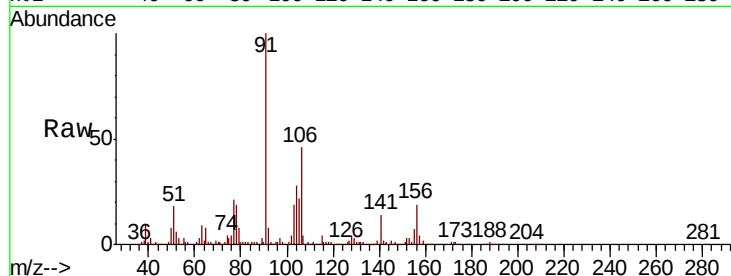
91 216.9 110.1 330.3

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#70

Styrene

Concen: 23.217 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

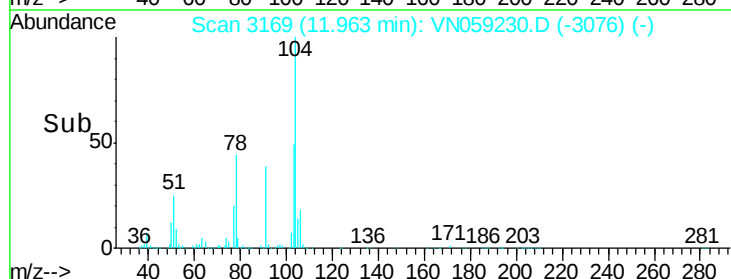
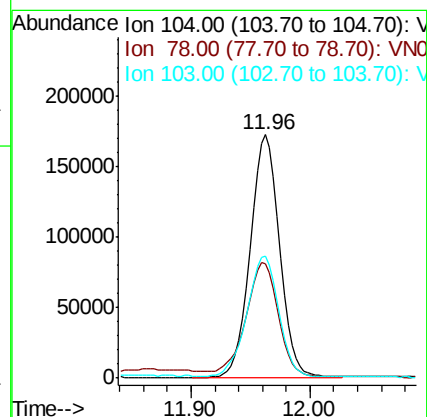
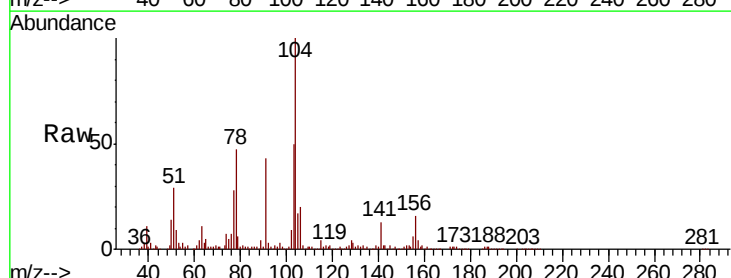
Tgt Ion:104 Resp: 292517

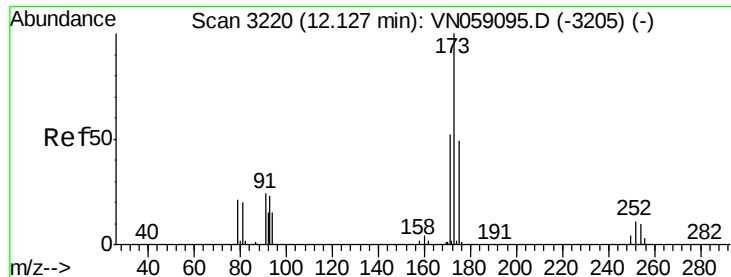
Ion Ratio Lower Upper

104 100

78 52.6 41.2 61.8

103 54.5 43.8 65.6





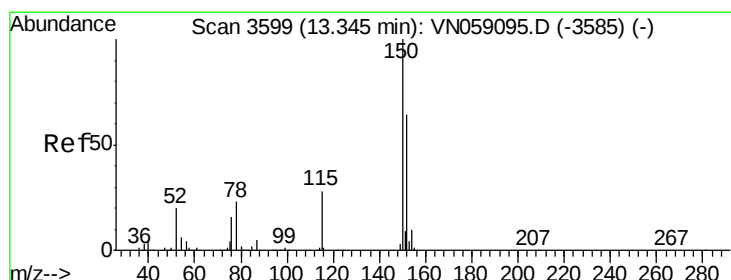
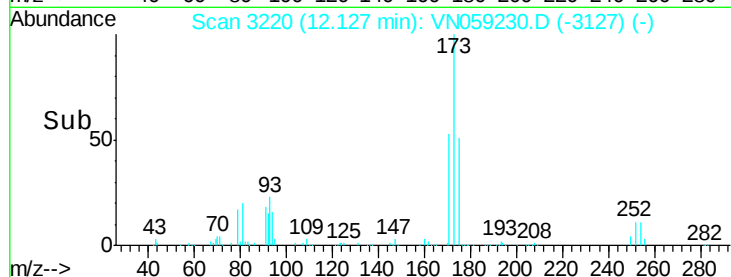
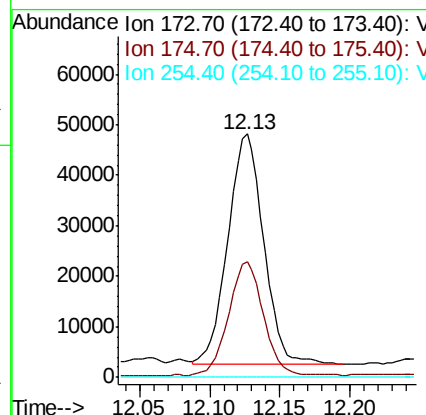
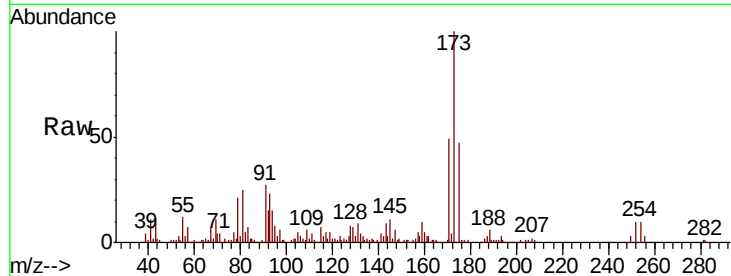
#71
Bromoform
Concen: 22.277 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.2	72.6
254	0.0	0.1	0.1#

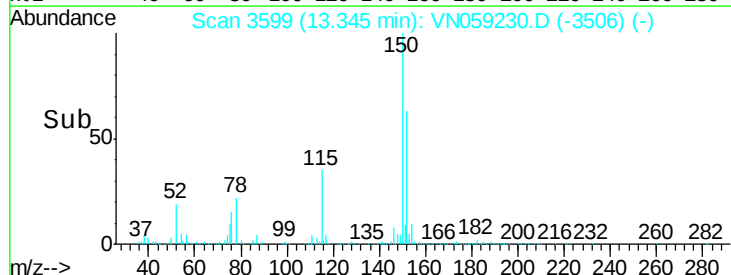
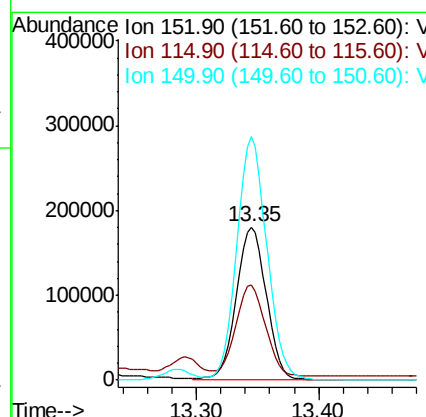
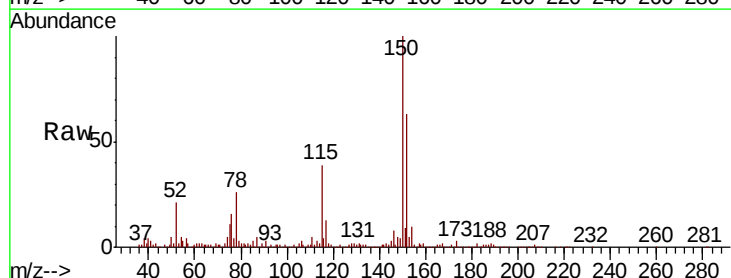
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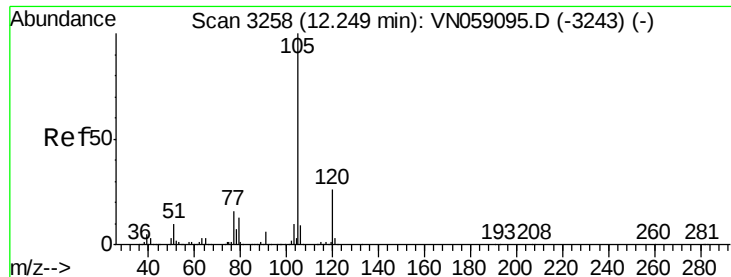
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.4	88.2
150	160.1	0.0	345.8





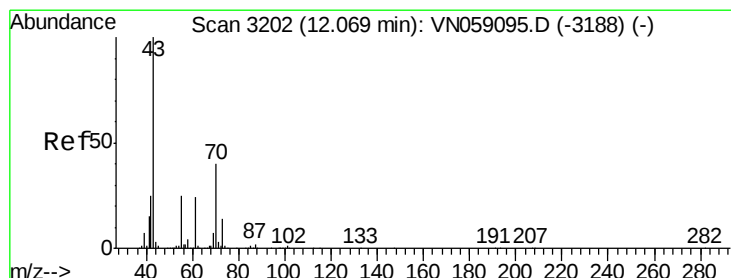
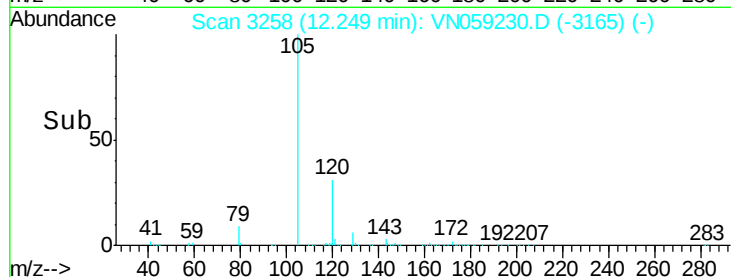
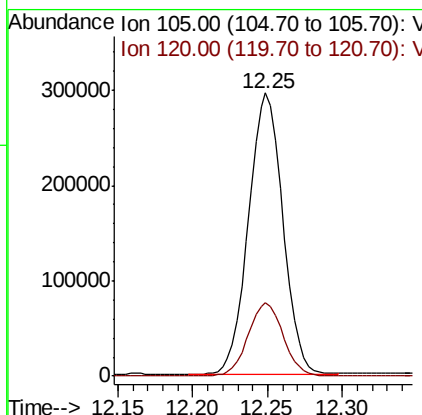
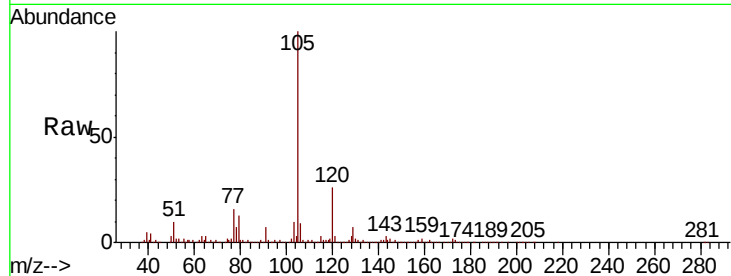
#73
Isopropylbenzene
Concen: 21.266 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

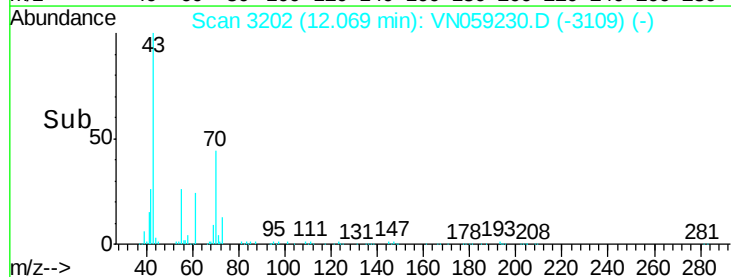
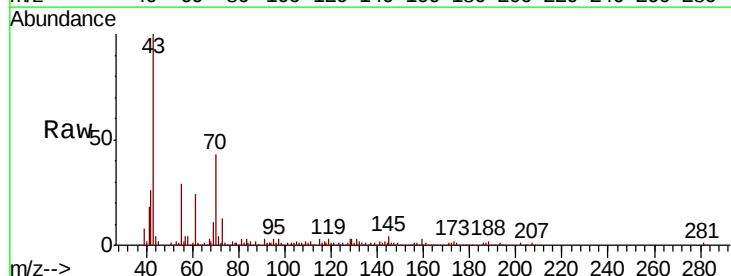
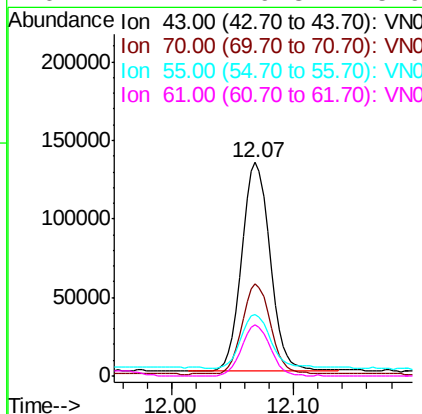
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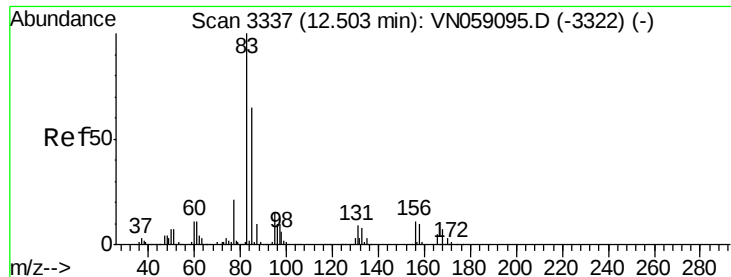
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#74
N-ethyl acetate
Concen: 22.866 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	32.2	48.4
55	26.6	20.4	30.6
61	24.4	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.558 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

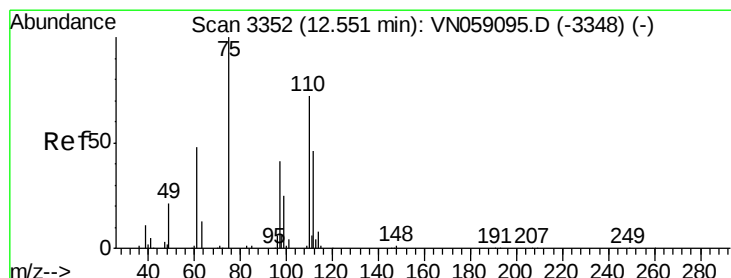
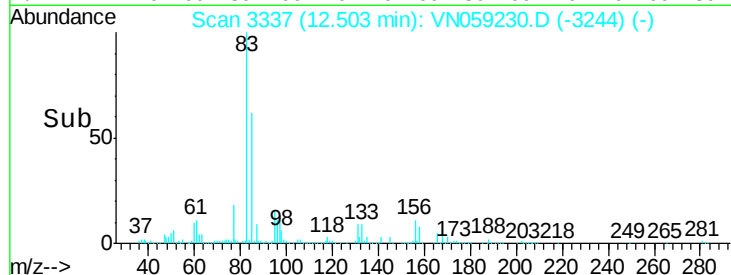
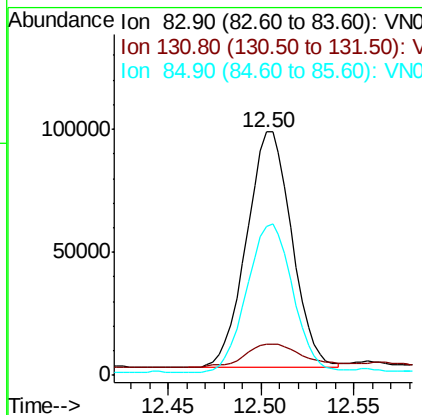
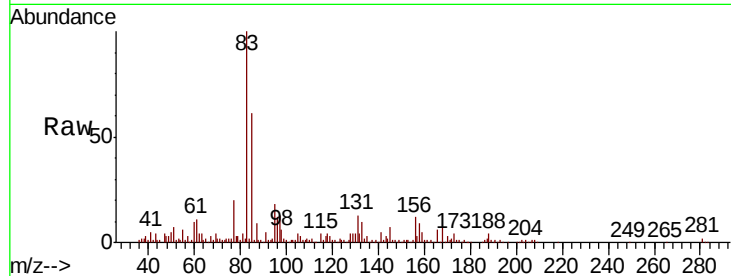
ClientSampleId :

VN1114MBSD01

Tot Ion:	83	Resp:	162694
Ion Ratio	Lower	Upper	
83	100		
131	13.1	4.9	14.6
85	64.0	32.4	97.2

Manual Integrations
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11/15/2019 10:22:04 AM



#76

1,2,3-Trichloropropane

Concen: 21.328 ug/l m

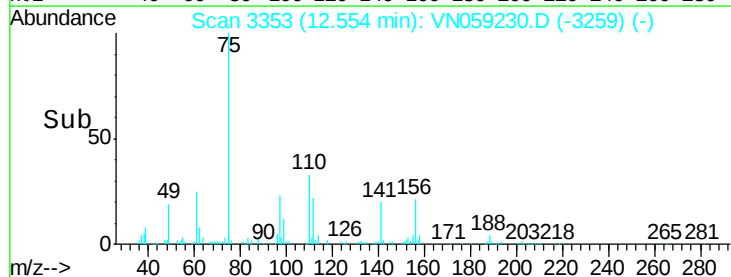
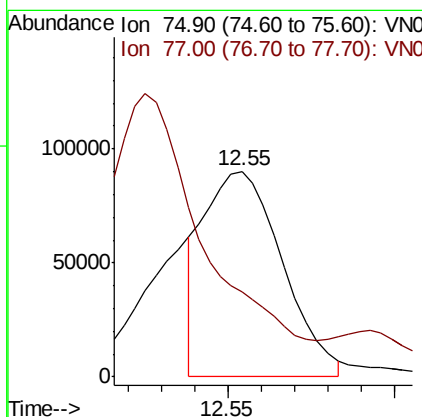
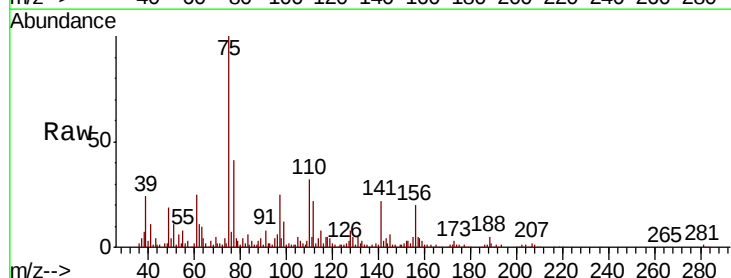
RT: 12.55 min Scan# 3353

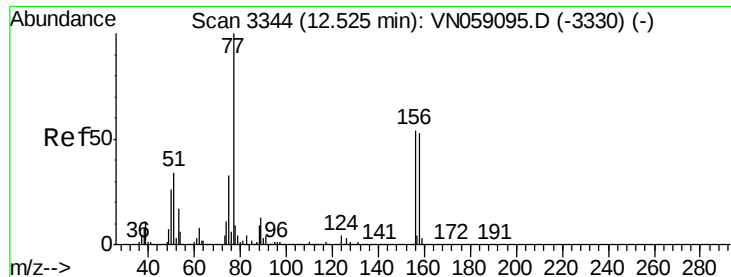
Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	75	Resp:	147932
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 24.462 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

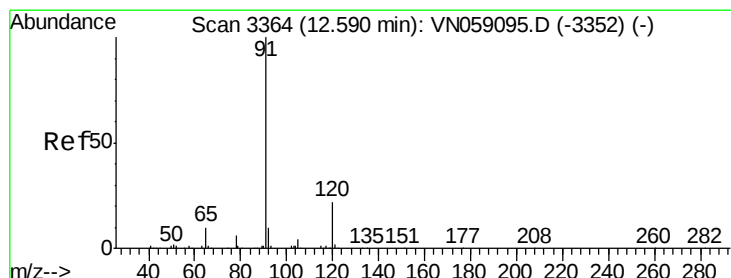
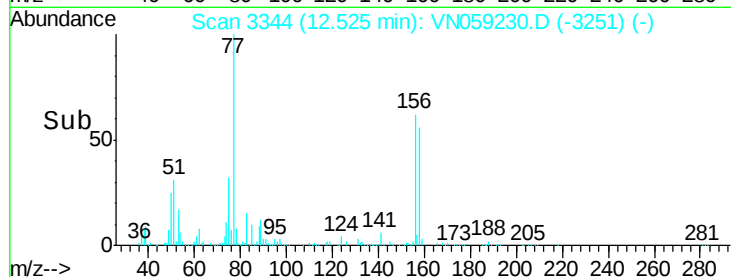
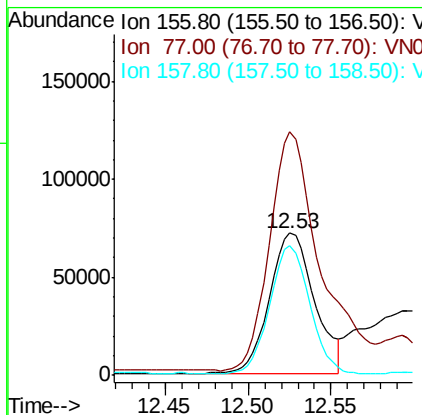
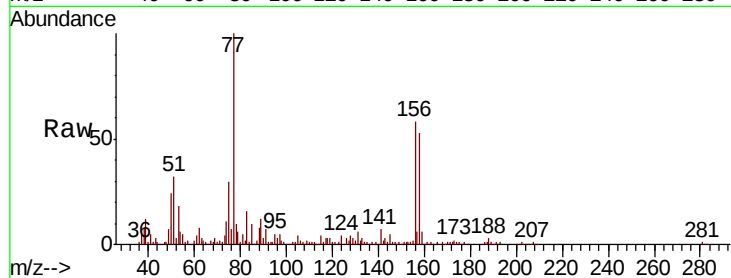
ClientSampleId :

VN1114MBSD01

Tot Ion:	156	Resp:	136201
Ion Ratio	Lower	Upper	
156	100		
77	190.8	112.8	338.3
158	80.2	48.4	145.3

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#78

n-propylbenzene

Concen: 21.773 ug/l

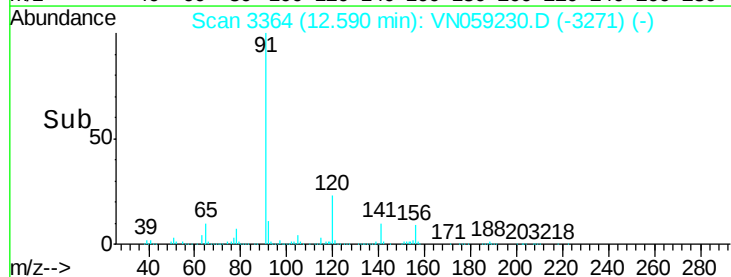
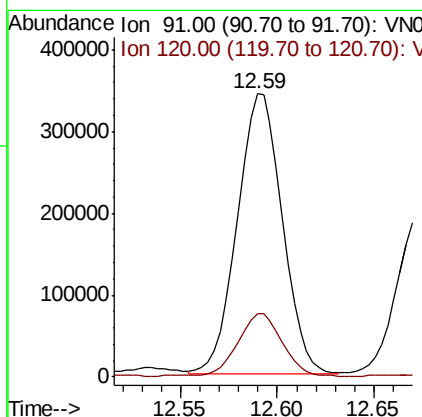
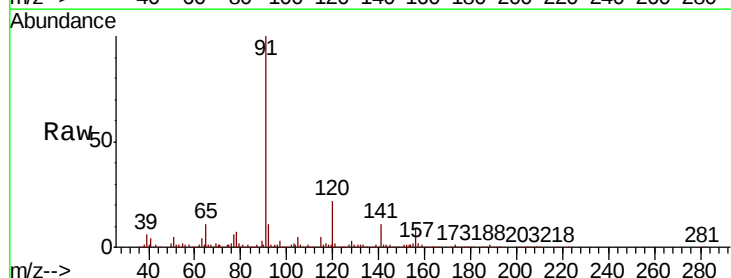
RT: 12.59 min Scan# 3364

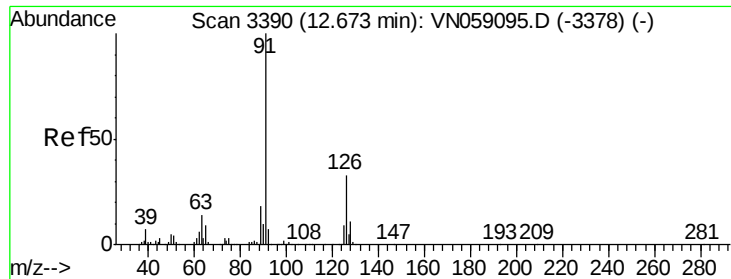
Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	91	Resp:	552474
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.067 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion: 91 Resp: 331619

Ion Ratio Lower Upper

91 100

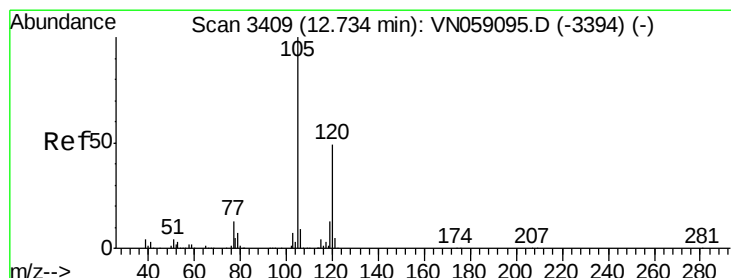
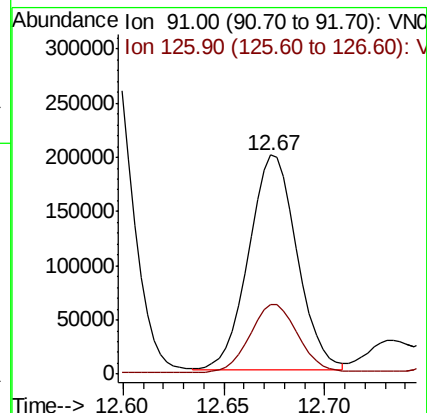
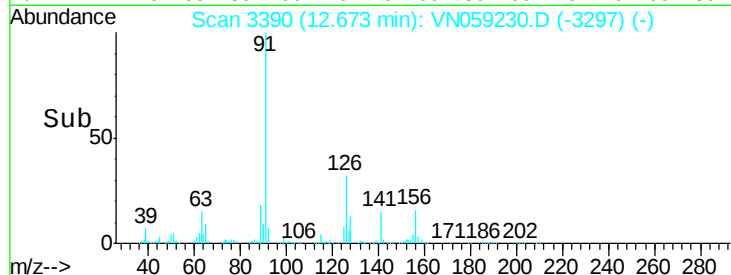
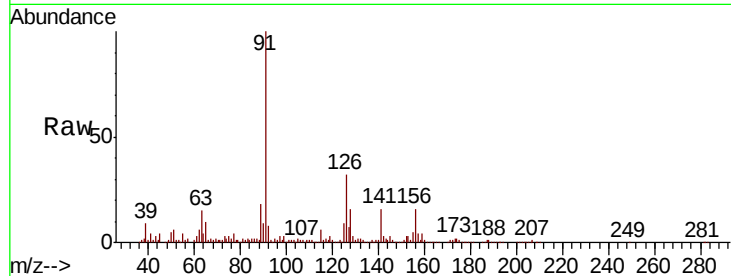
126 32.0 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.559 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059230.D

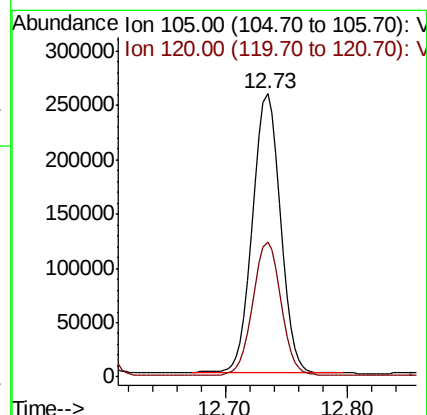
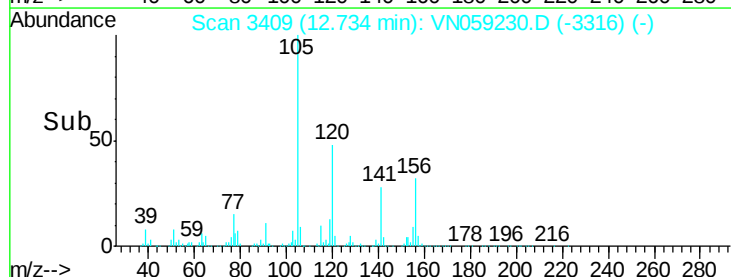
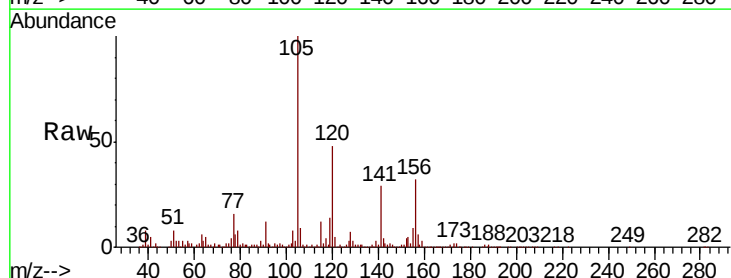
Acq: 14 Nov 2019 13:53

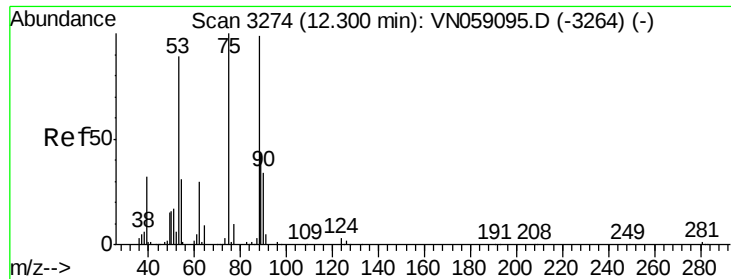
Tgt Ion: 105 Resp: 404835

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





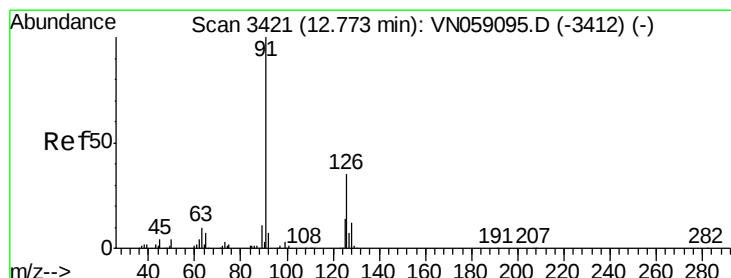
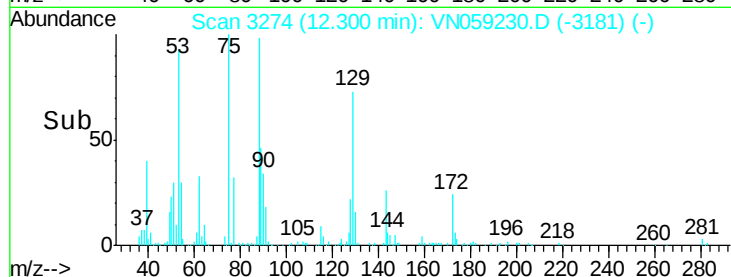
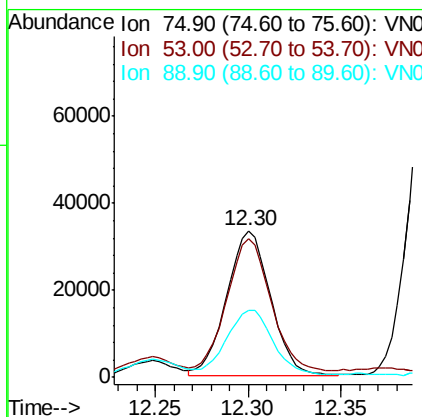
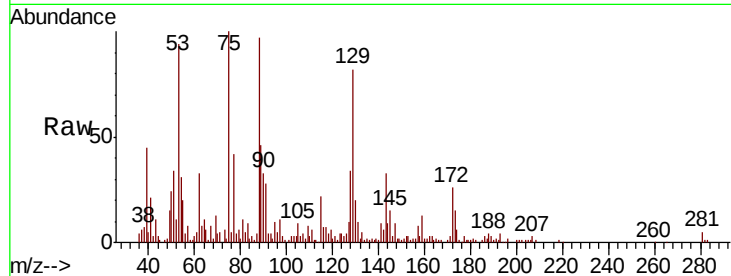
#81
trans-1,4-Dichloro-2-butene
Concen: 20.818 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	72.2	108.2
89	47.0	35.8	53.8

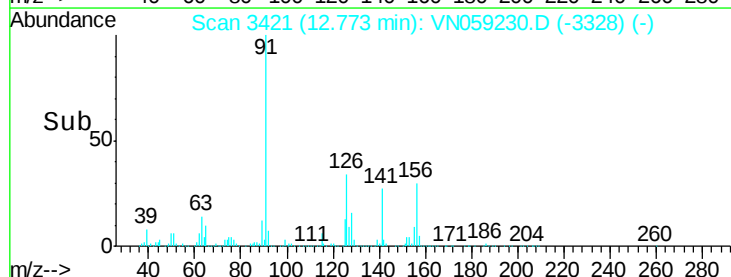
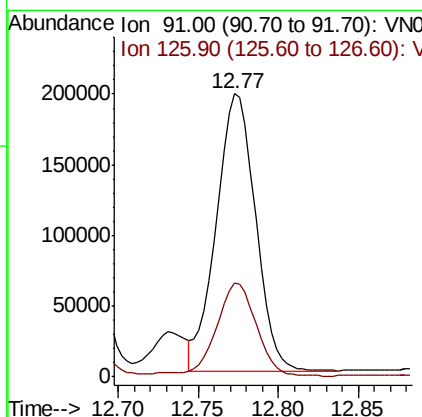
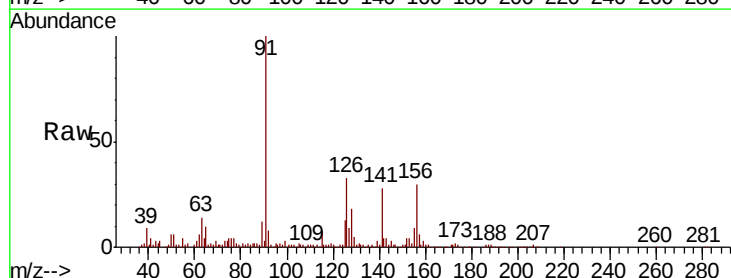
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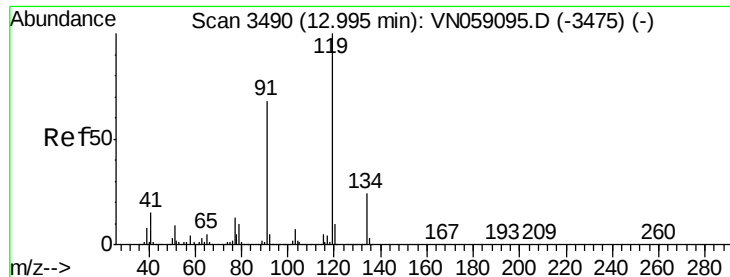
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#82
4-Chlorotoluene
Concen: 20.867 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.1	48.2





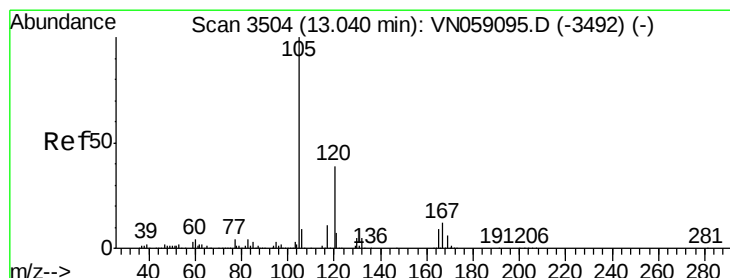
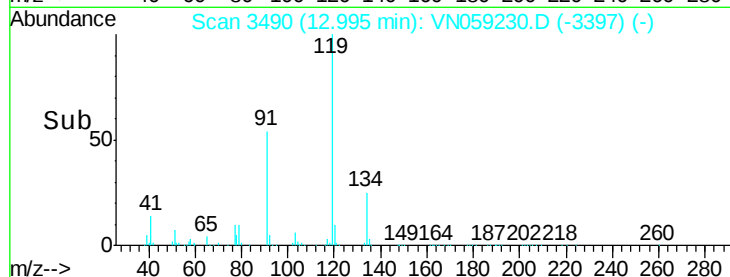
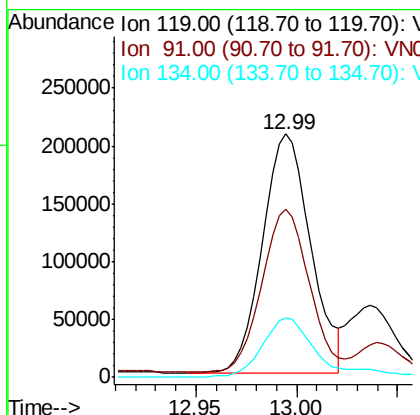
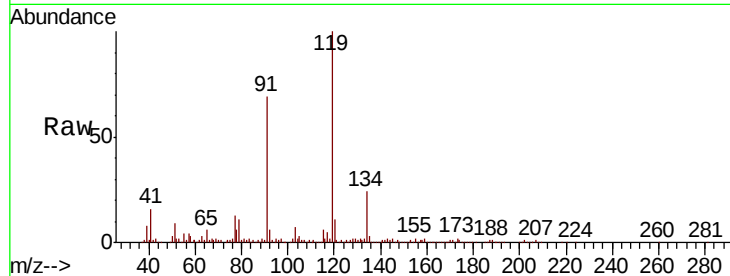
#83
tert-Butylbenzene
Concen: 21.169 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.2	99.6
134	27.9	12.7	38.1

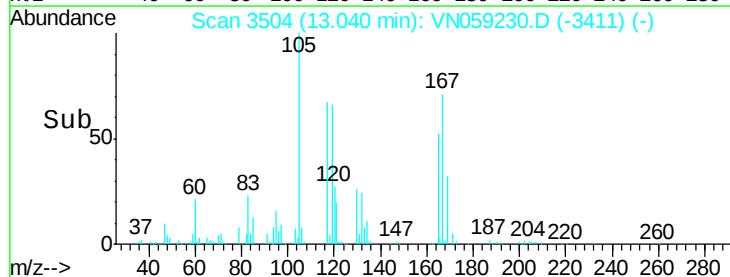
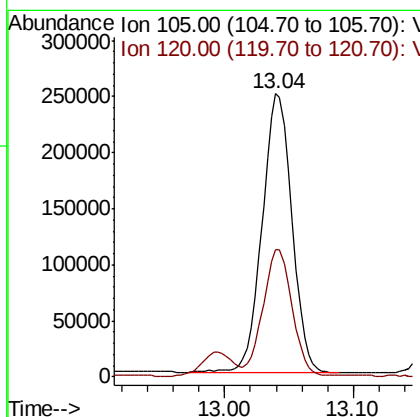
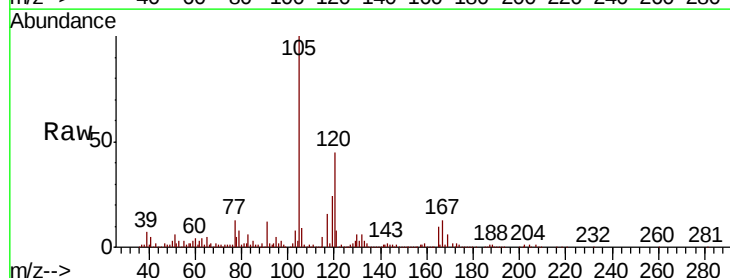
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#84
1,2,4-Trimethylbenzene
Concen: 22.236 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.559 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

Tot Ion:105 Resp: 454687

Ion Ratio Lower Upper

105 100

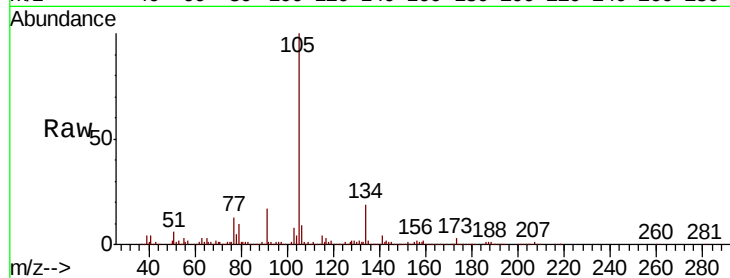
134 19.6 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

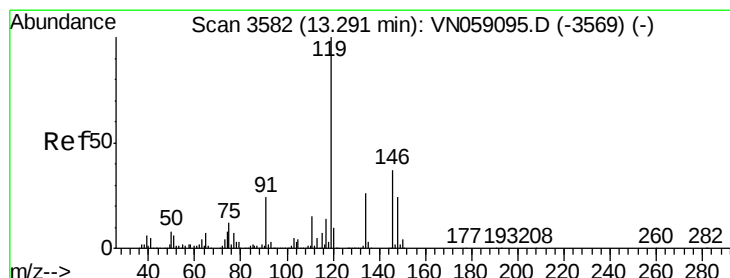
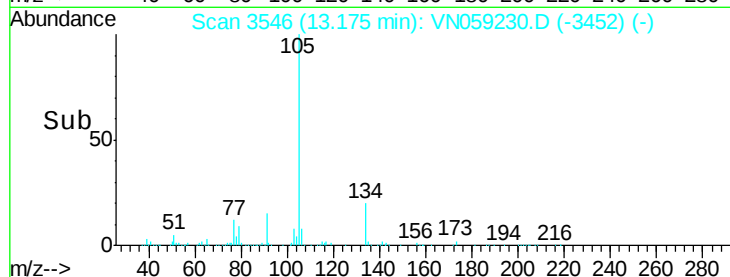
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.658 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

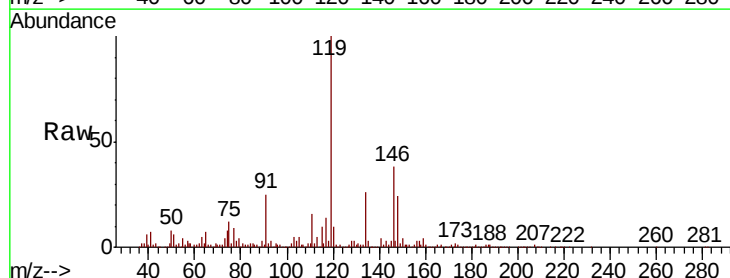
Tgt Ion:119 Resp: 421945

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

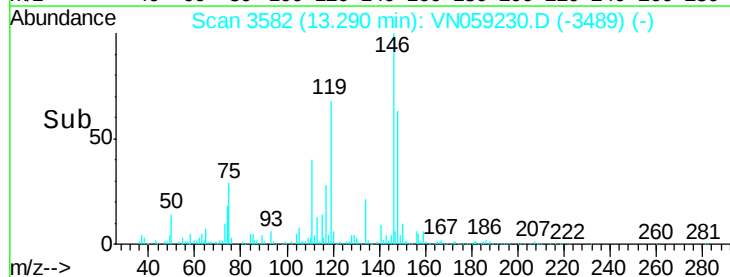
300000

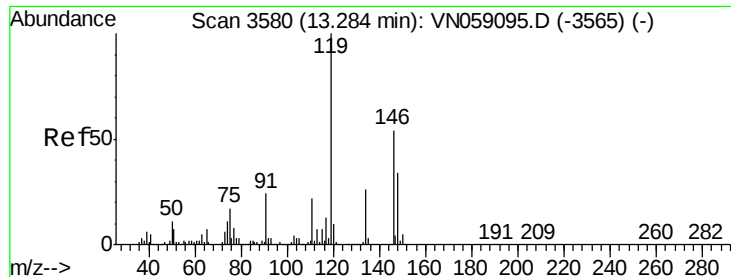
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.245 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

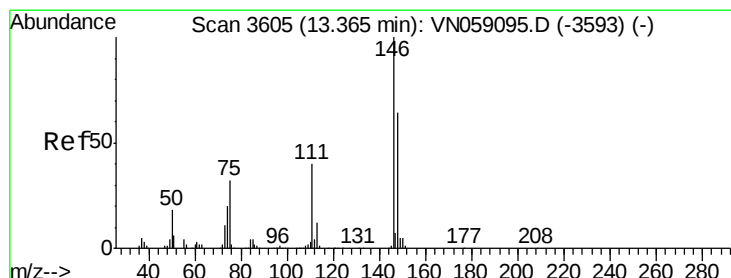
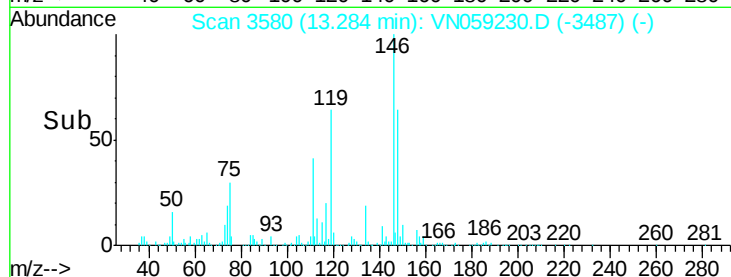
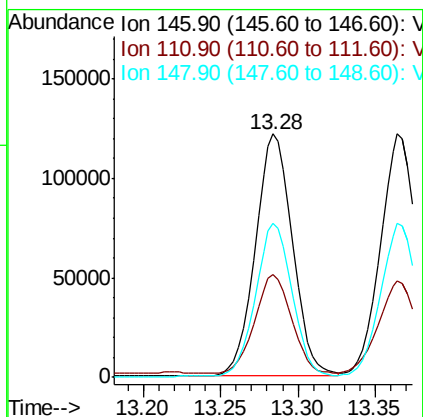
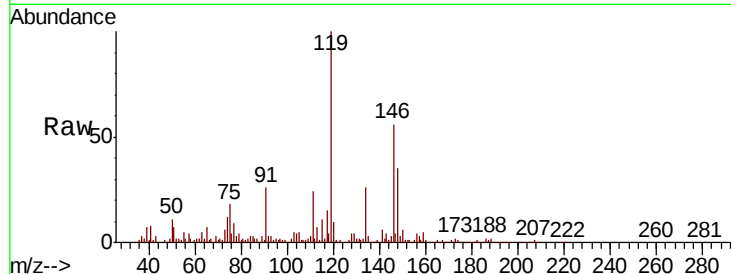
ClientSampleId :

VN1114MBSD01

Tot Ion:	146	Resp:	202559
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.3
148	61.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.729 ug/l

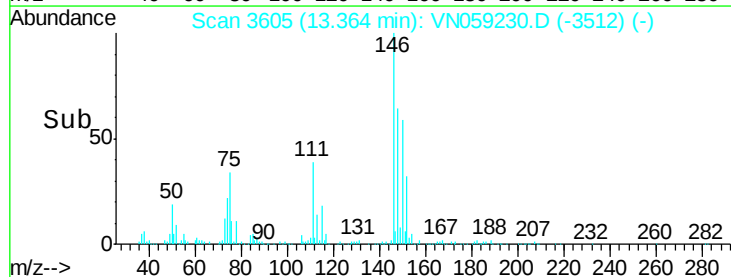
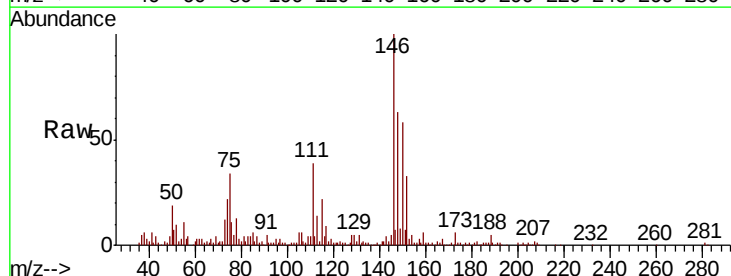
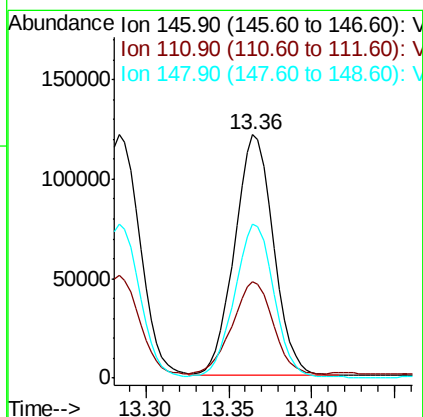
RT: 13.36 min Scan# 3605

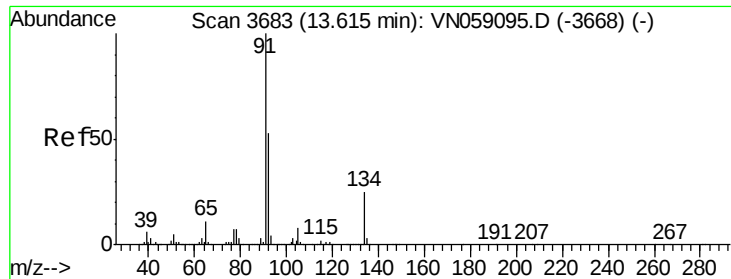
Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	146	Resp:	197739
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.3	60.9
148	64.2	31.9	95.7





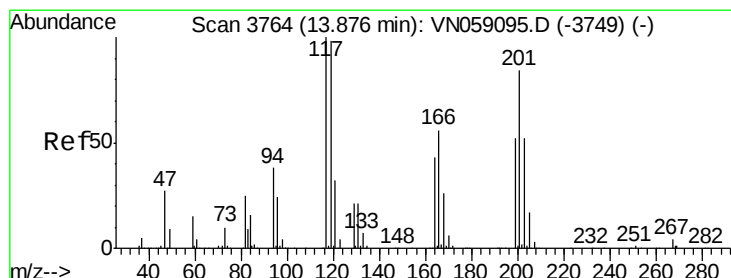
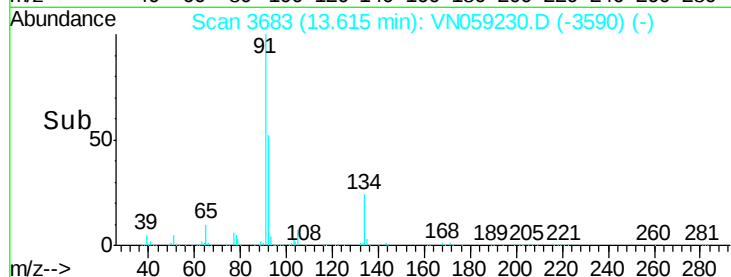
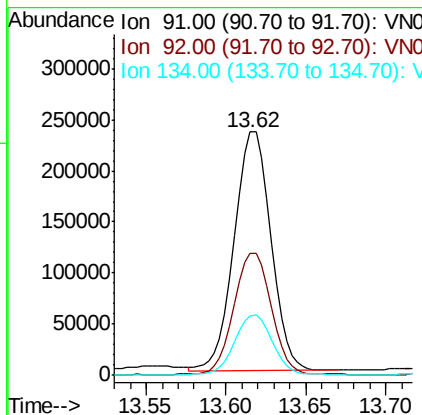
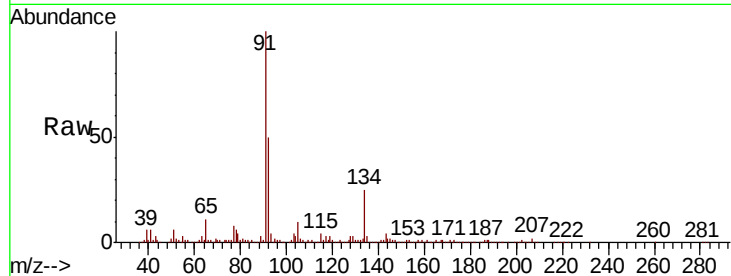
#89
n-Butylbenzene
Concen: 22.382 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.3
134	25.6	12.6	37.8

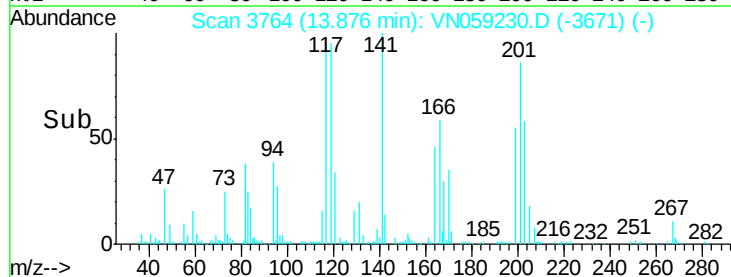
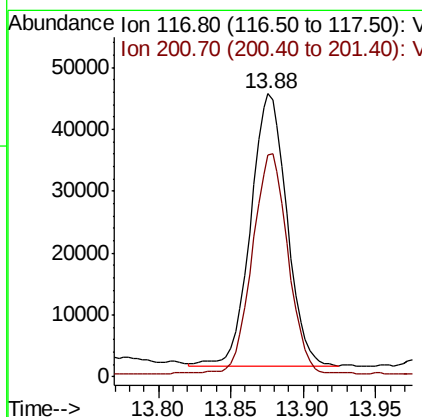
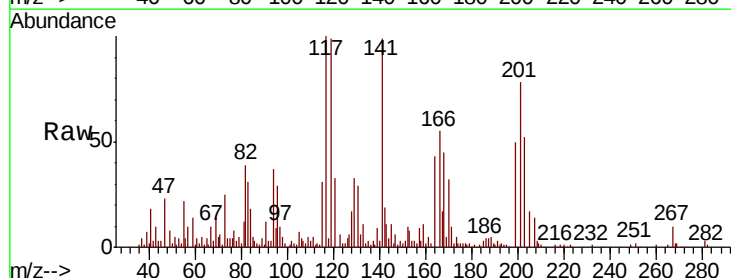
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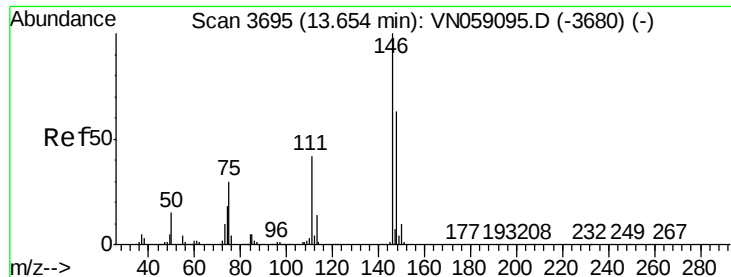
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#90
Hexachloroethane
Concen: 20.408 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 21.084 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

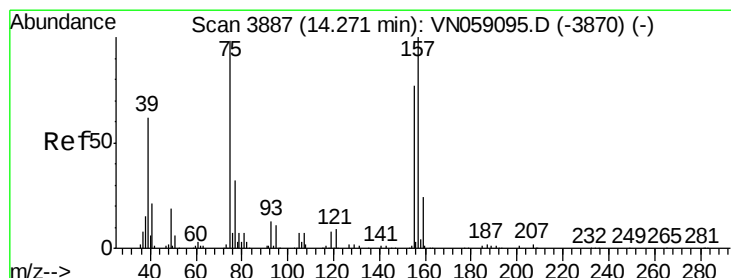
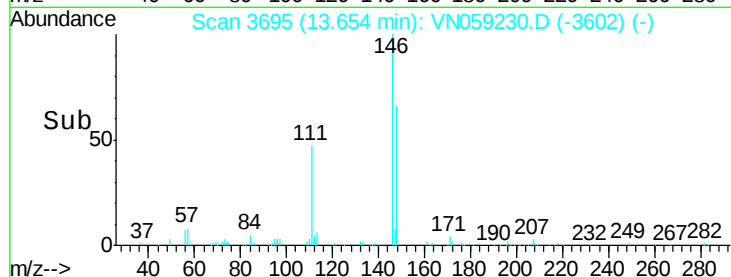
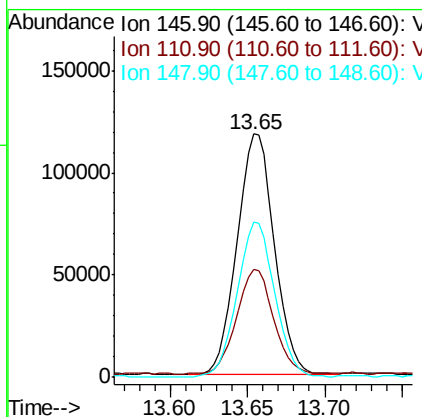
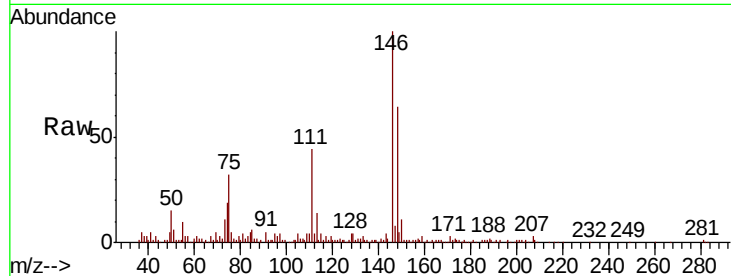
ClientSampleId :

VN1114MBSD01

Tot Ion:	146	Resp:	197744
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.2	63.6
148	64.0	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 26.684 ug/l

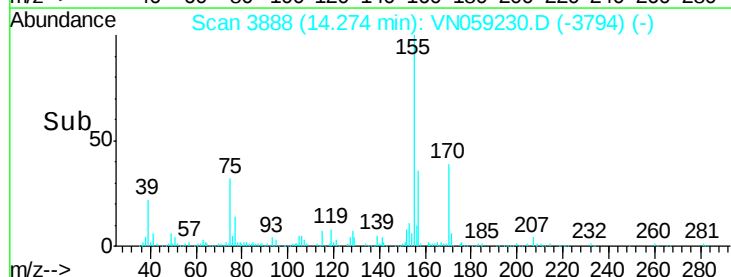
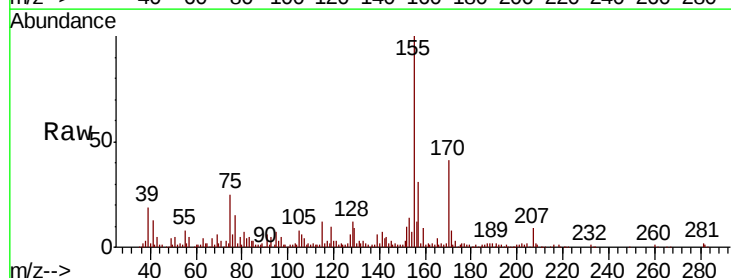
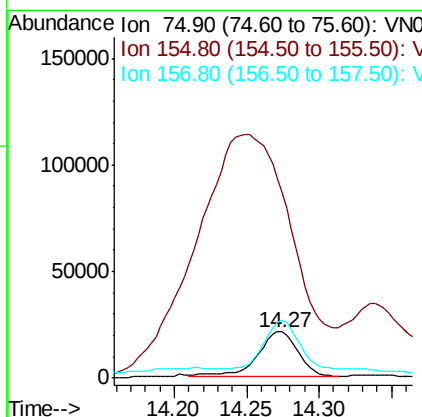
RT: 14.27 min Scan# 3888

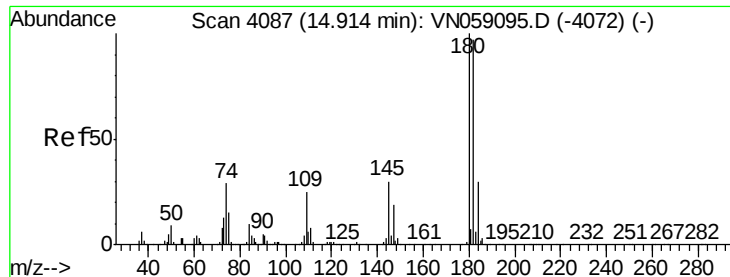
Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	75	Resp:	40159
Ion Ratio	Lower	Upper	
75	100		
155	0.0	40.2	120.6#
157	93.8	51.8	155.5





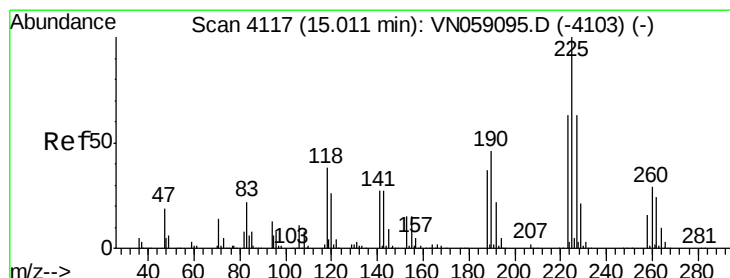
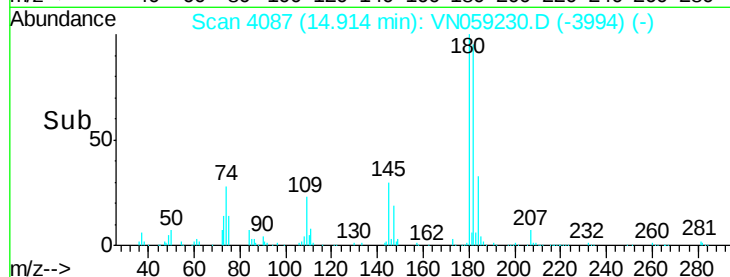
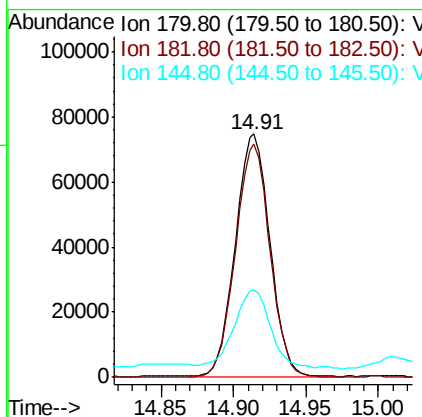
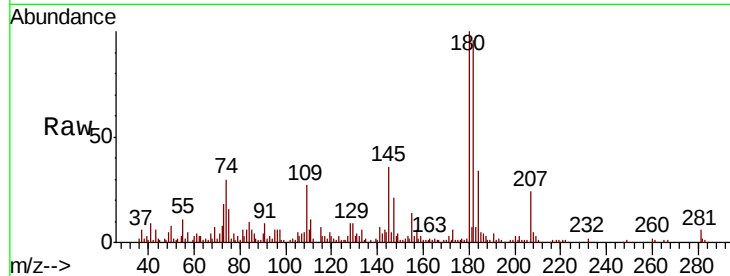
#93
 1,2,4-Trichlorobenzene
 Concen: 23.635 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124760		
182	94.3	48.1	144.3	
145	32.6	15.1	45.3	

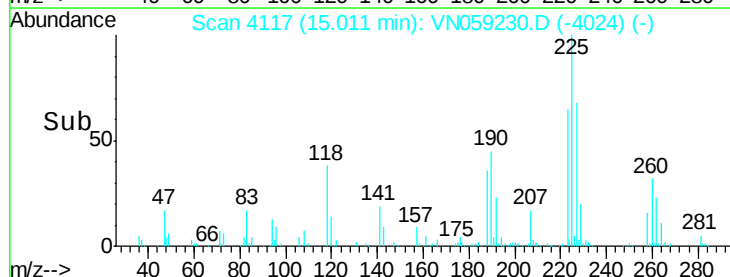
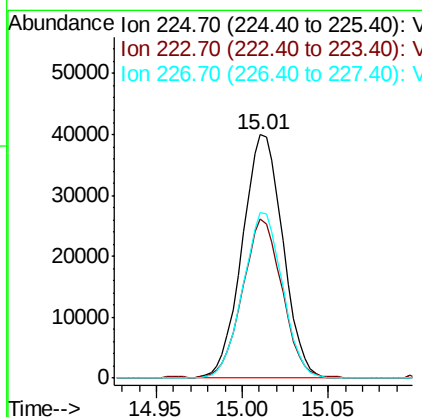
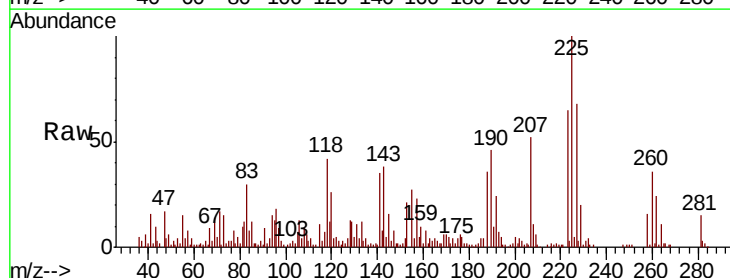
Manual Integrations
 APPROVED

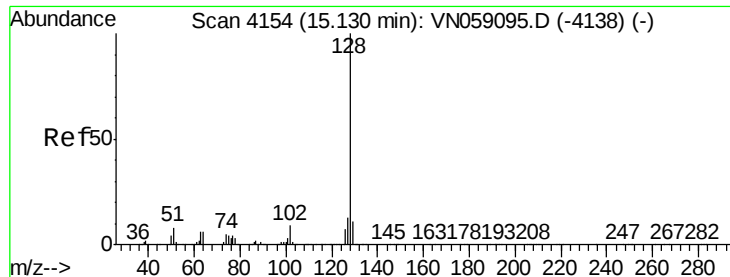
MMDadoda
 11/15/2019 10:22:04 AM



#94
 Hexachlorobutadiene
 Concen: 20.219 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65385		
223	64.2	31.3	93.9	
227	66.2	31.5	94.5	





#95

Naphthalene

Concen: 28.292 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

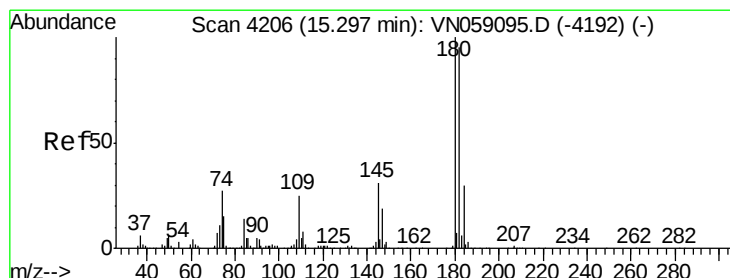
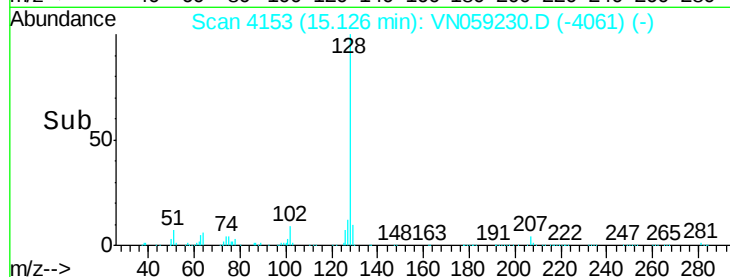
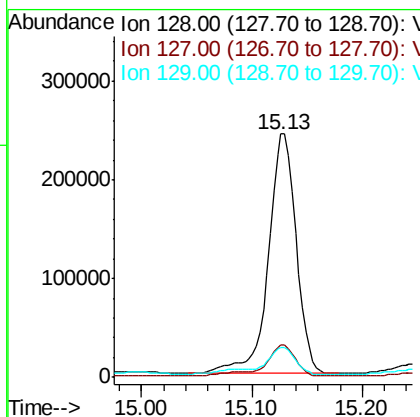
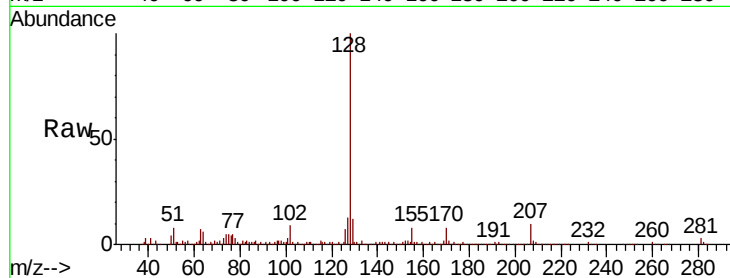
ClientSampleId :

VN1114MBSD01

Tot Ion:	128	Resp:	424438
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/15/2019 10:22:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 24.409 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion:	180	Resp:	128297
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.8
145	32.0	15.8	47.3

