

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059094.D
 Acq On : 6 Nov 2019 9:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:07 AM

Quant Time: Nov 07 03:52:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	491406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	780209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	703018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123203	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
35) Dibromofluoromethane	7.57	113	94693	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
50) Toluene-d8	10.08	98	369906	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
62) 4-Bromofluorobenzene	12.40	95	127759	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98940	18.767	ug/l	99
3) Chloromethane	2.04	50	131547	18.416	ug/l	99
4) Vinyl Chloride	2.17	62	130305	18.769	ug/l	100
5) Bromomethane	2.55	94	77172	18.875	ug/l	98
6) Chloroethane	2.68	64	76060	17.890	ug/l	100
7) Trichlorofluoromethane	3.00	101	158340	19.145	ug/l	99
8) Diethyl Ether	3.39	74	62278	19.218	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95025	19.473	ug/l	100
10) Methyl Iodide	3.93	142	115410	19.369	ug/l	99
11) Tert butyl alcohol	4.75	59	112533	93.938	ug/l	98
12) 1,1-Dichloroethene	3.71	96	89837	18.524	ug/l	95
13) Acrolein	3.58	56	55632	77.072	ug/l	99
14) Allyl chloride	4.30	41	184250	19.174	ug/l	99
15) Acrylonitrile	4.95	53	284569	94.331	ug/l	98
16) Acetone	3.79	43	352068	106.433	ug/l	98
17) Carbon Disulfide	4.03	76	274157	17.917	ug/l	99
18) Methyl Acetate	4.29	43	148137	17.780	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	322795	19.515	ug/l	99
20) Methylene Chloride	4.52	84	107677	18.708	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	98236	18.891	ug/l	97
22) Diisopropyl ether	5.92	45	362927	19.811	ug/l	98
23) Vinyl Acetate	5.87	43	1475546	101.378	ug/l	100
24) 1,1-Dichloroethane	5.82	63	201494	19.223	ug/l	99
25) 2-Butanone	6.81	43	428865	98.038	ug/l	99
26) 2,2-Dichloropropane	6.80	77	169517	18.663	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112958	19.219	ug/l	99
28) Bromochloromethane	7.17	49	58346	18.158	ug/l	99
29) Tetrahydrofuran	7.19	42	264725	95.971	ug/l	99
30) Chloroform	7.35	83	190168	18.983	ug/l	98
31) Cyclohexane	7.63	56	185140	18.598	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	162827	19.215	ug/l	99
36) 1,1-Dichloropropene	7.77	75	147167	19.073	ug/l	98
37) Ethyl Acetate	6.90	43	158357	18.446	ug/l	99
38) Carbon Tetrachloride	7.75	117	145146	19.282	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	165412	18.601	ug/l	98
40) Benzene	8.02	78	440043	19.167	ug/l	98
41) Methacrylonitrile	7.15	41	74284	19.907	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	150714	18.891	ug/l	100
43) Isopropyl Acetate	8.14	43	252227	18.829	ug/l	100
44) Trichloroethene	8.82	130	106011	18.746	ug/l	97
45) 1,2-Dichloropropane	9.10	63	118161	19.012	ug/l	97
46) Dibromomethane	9.19	93	72781	18.971	ug/l	99
47) Bromodichloromethane	9.39	83	148115	19.028	ug/l	100
48) Methyl methacrylate	9.18	41	110584	18.095	ug/l	100
49) 1,4-Dioxane	9.18	88	39411	397.956	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	792447	101.540	ug/l	98
52) Toluene	10.14	92	261711	19.488	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165662	18.456	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	183667	19.418	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104099	18.960	ug/l	100
56) Ethyl methacrylate	10.42	69	156817	18.997	ug/l	99
57) 1,3-Dichloropropane	10.70	76	182107	19.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	313810	95.784	ug/l	99
59) 2-Hexanone	10.74	43	596051	100.536	ug/l	99
60) Dibromochloromethane	10.90	129	110608	18.760	ug/l	100
61) 1,2-Dibromoethane	11.00	107	105512	19.032	ug/l	99
64) Tetrachloroethene	10.62	164	95604	19.480	ug/l	97
65) Chlorobenzene	11.43	112	272870	18.979	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	102582	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	490481	19.714	ug/l	99
68) m/p-Xylenes	11.62	106	362216	38.932	ug/l	98
69) o-Xylene	11.95	106	172684	19.453	ug/l	100
70) Styrene	11.96	104	275178	19.165	ug/l	98
71) Bromoform	12.13	173	75823	18.513	ug/l #	99
73) Isopropylbenzene	12.25	105	468751	20.181	ug/l	100
74) N-amyl acetate	12.07	43	192784	18.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	156929	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	139232m	18.825	ug/l	
77) Bromobenzene	12.53	156	112331	19.275	ug/l	99
78) n-propylbenzene	12.59	91	538327	20.054	ug/l	100
79) 2-Chlorotoluene	12.67	91	322470	19.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398366	20.167	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53084	18.407	ug/l	98
82) 4-Chlorotoluene	12.77	91	330122	19.387	ug/l	100
83) tert-Butylbenzene	12.99	119	334647	19.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	388982	20.337	ug/l	98
85) sec-Butylbenzene	13.17	105	446750	20.306	ug/l	100
86) p-Isopropyltoluene	13.29	119	396543	20.014	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	196054	19.005	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192018	18.838	ug/l	99
89) n-Butylbenzene	13.62	91	335939	19.527	ug/l	99
90) Hexachloroethane	13.88	117	75911	19.303	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	195541	19.002	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30398	17.037	ug/l	99

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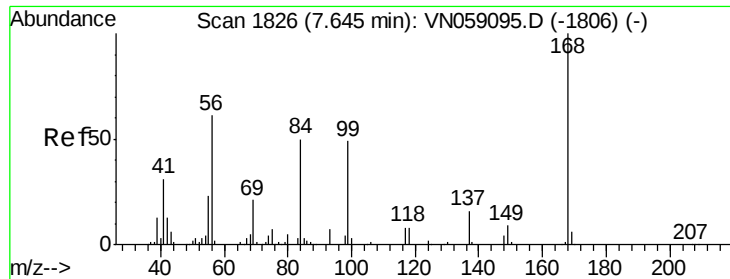
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101762	18.442	ug/l	98
94) Hexachlorobutadiene	15.01	225	63967	19.187	ug/l	98
95) Naphthalene	15.13	128	272857	18.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104711	18.555	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 491406

Ion Ratio Lower Upper

168 100

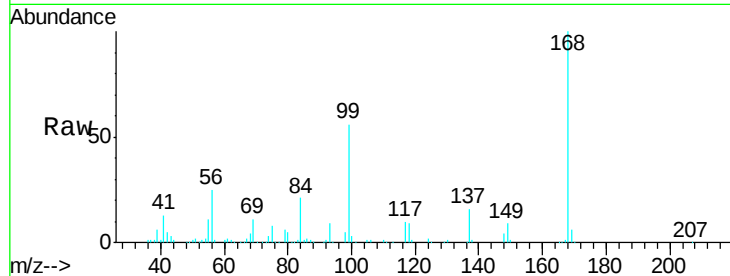
99 56.2 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

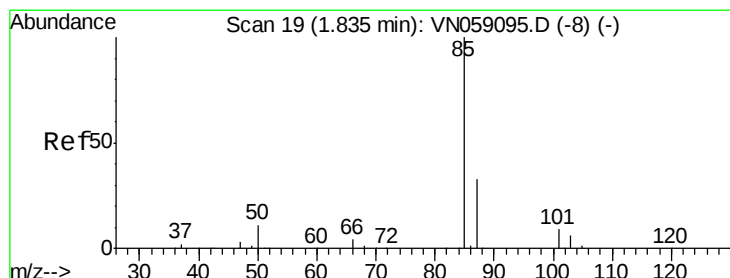
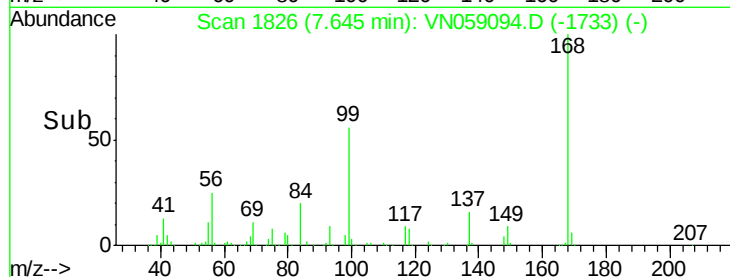
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.767 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059094.D

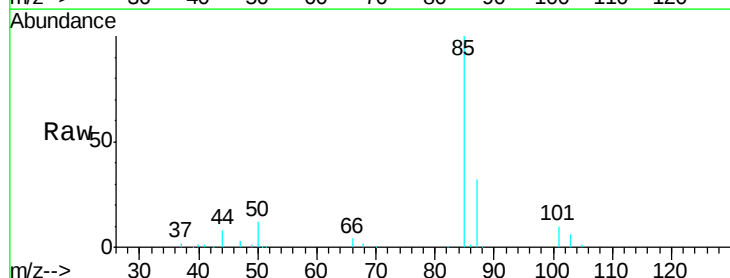
Acq: 6 Nov 2019 9:39

Tgt Ion: 85 Resp: 98940

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

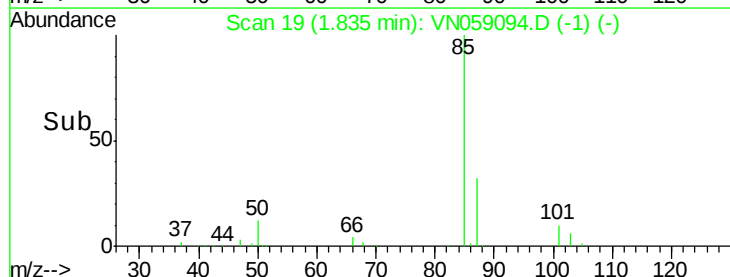
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.416 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 50 Resp: 131547

Ion Ratio Lower Upper

50 100

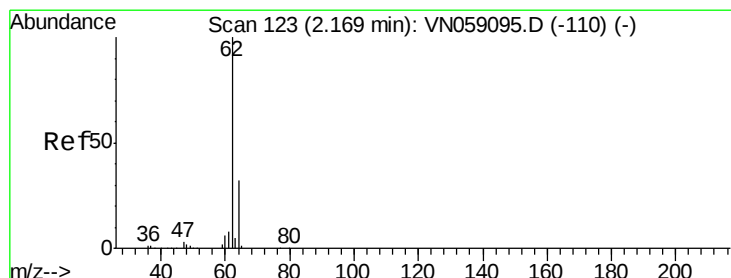
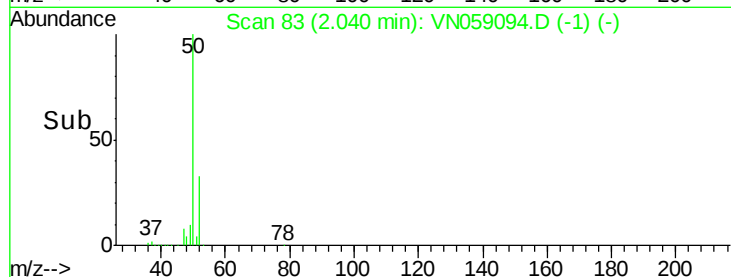
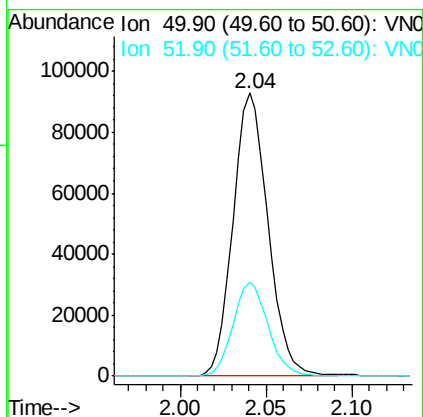
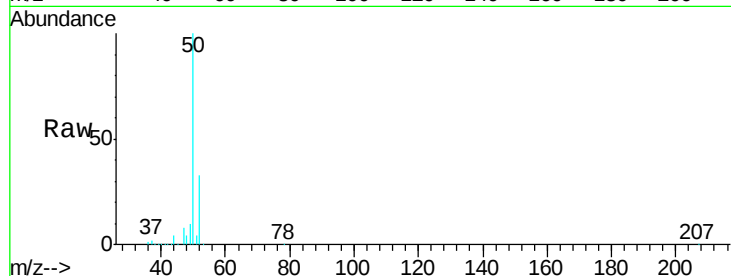
52 33.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.769 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059094.D

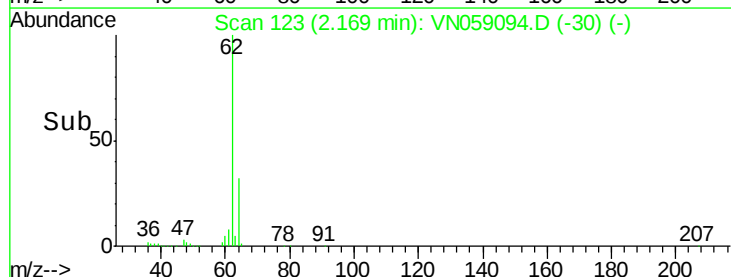
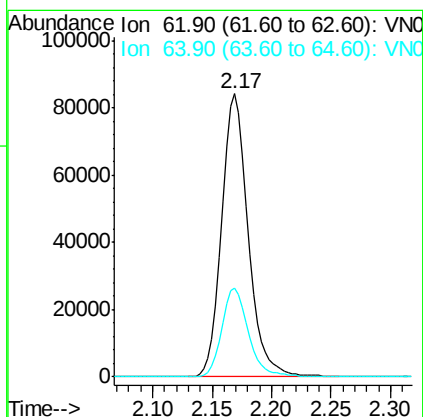
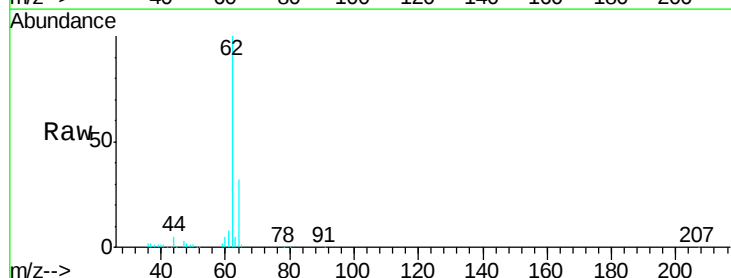
Acq: 6 Nov 2019 9:39

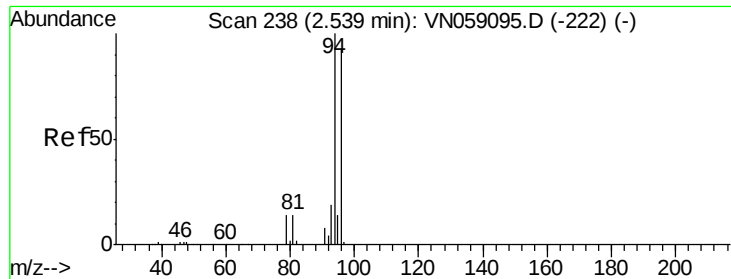
Tgt Ion: 62 Resp: 130305

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 18.875 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 77172

Ion Ratio Lower Upper

94 100

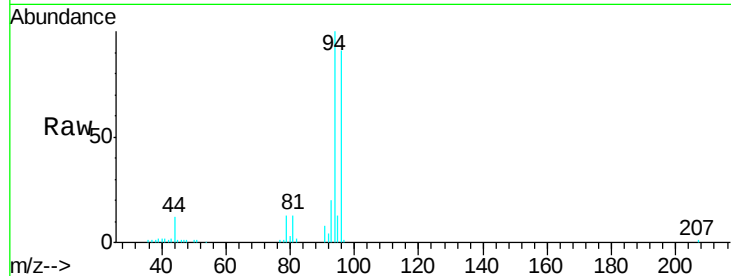
96 91.0 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059094.D (-240) (-)

Ion 95.90 (95.60 to 96.60): VN059094.D (-240) (-)

2.55

40000

30000

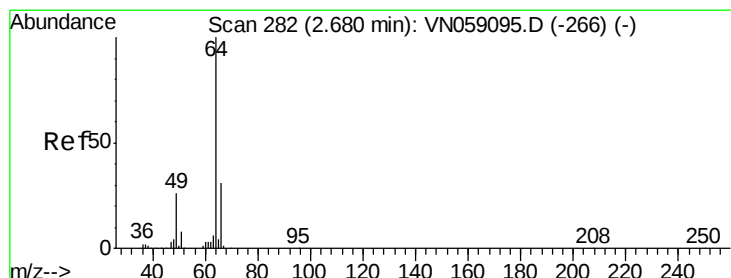
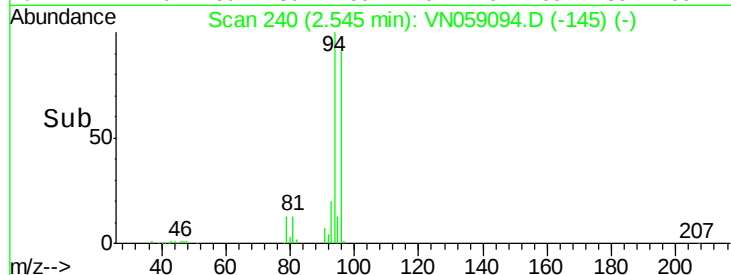
20000

10000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 17.890 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059094.D

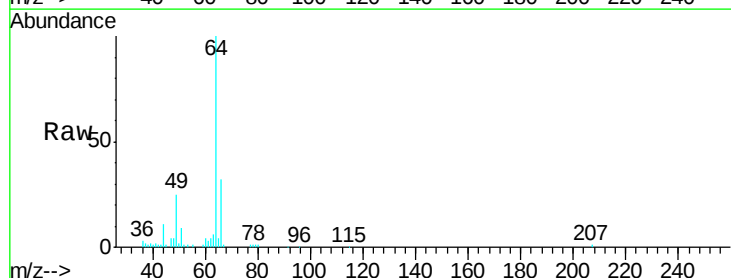
Acq: 6 Nov 2019 9:39

Tgt Ion: 64 Resp: 76060

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059094.D (-283) (-)

Ion 65.90 (65.60 to 66.60): VN059094.D (-283) (-)

2.68

40000

30000

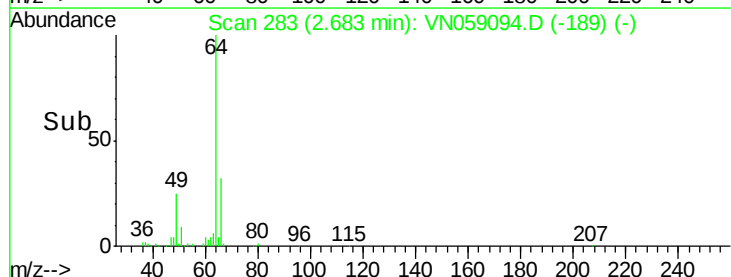
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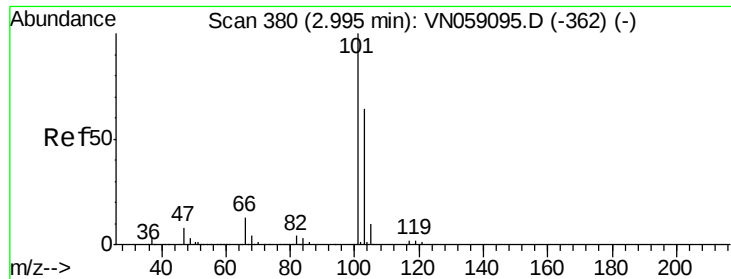
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0

2.60 2.70 2.80

Time-->





#7

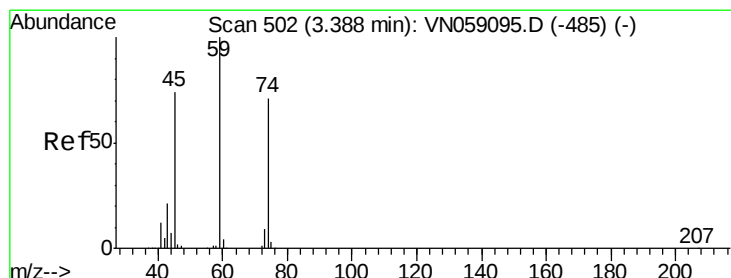
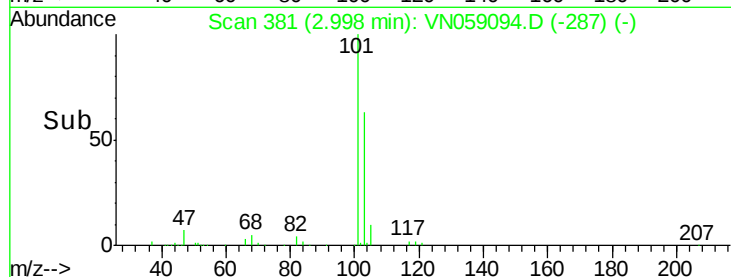
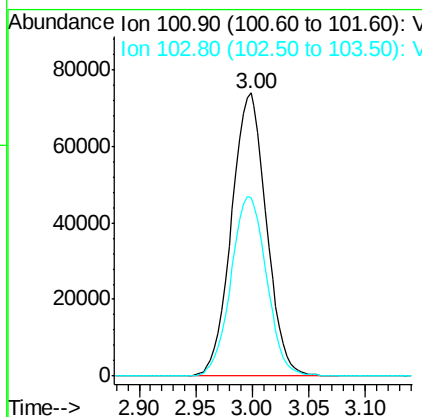
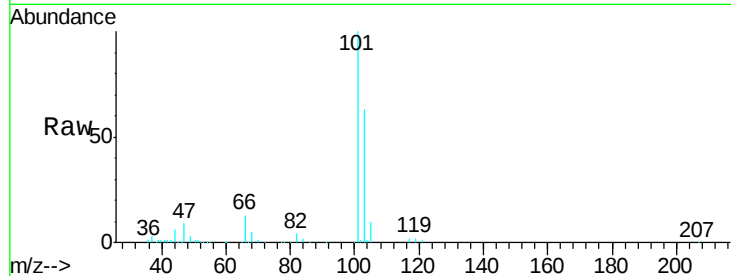
Trichlorofluoromethane
 Concen: 19.145 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
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 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.2	76.8

Manual Integrations
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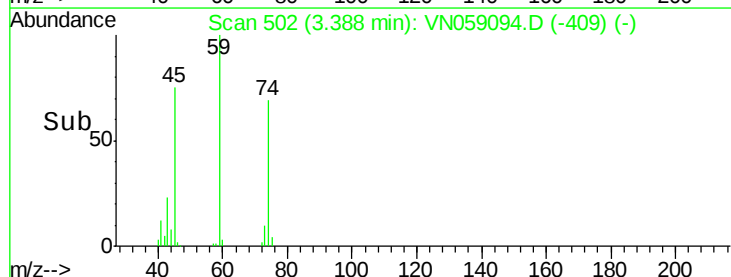
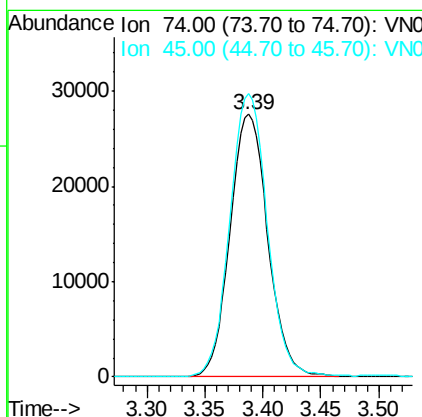
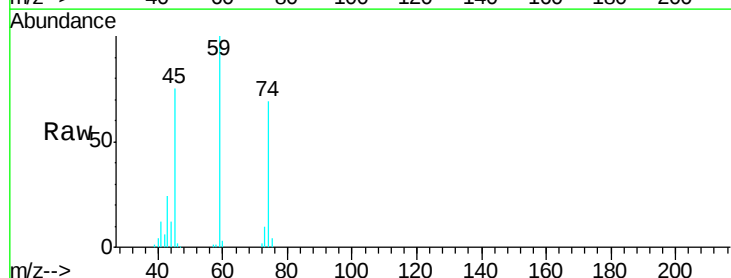
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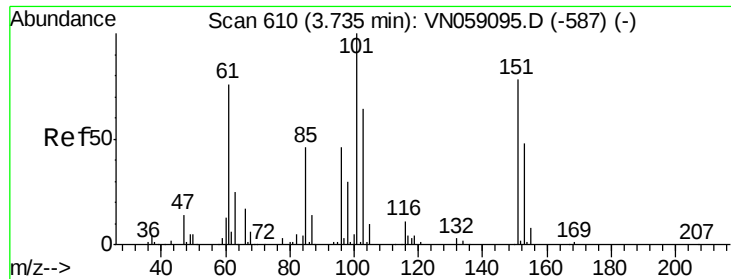


#8

Diethyl Ether
 Concen: 19.218 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.473 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

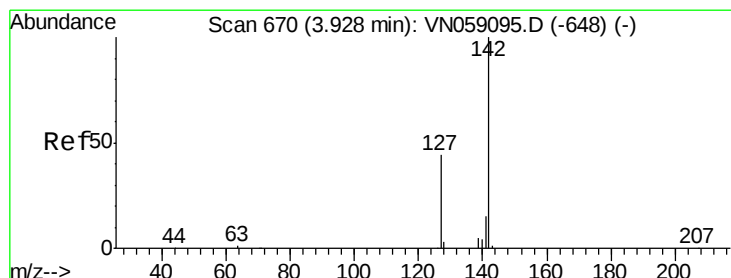
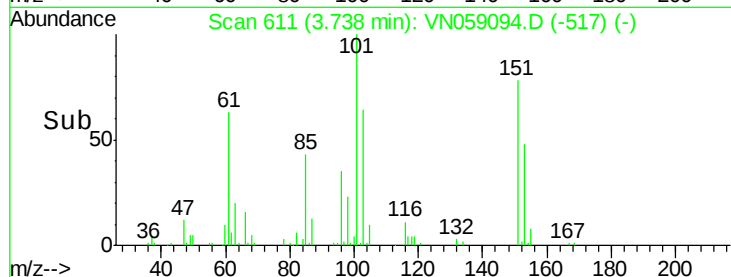
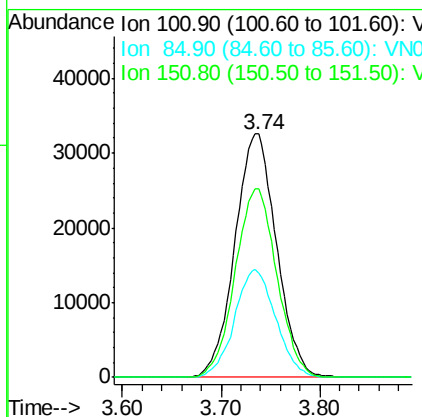
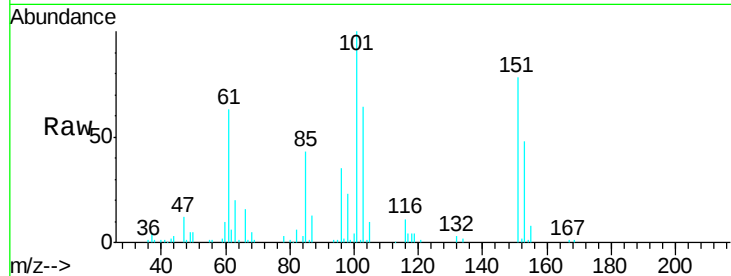
ClientSampled :

VSTDIC020

Tgt Ion:	101	Resp:	95025
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	77.6	62.2	93.2

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#10

Methyl Iodide

Concen: 19.369 ug/l

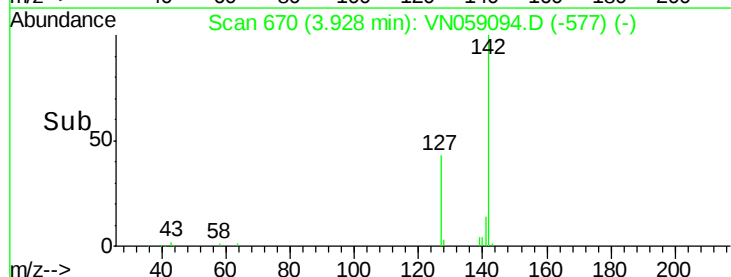
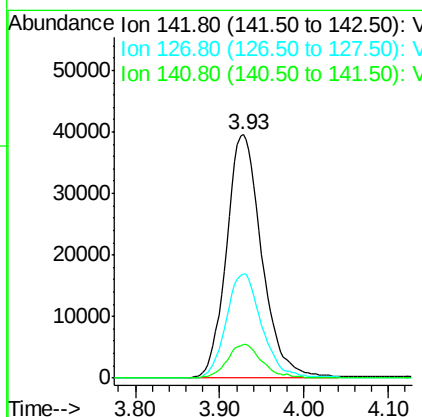
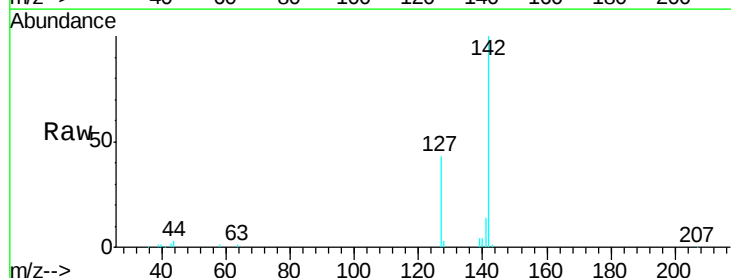
RT: 3.93 min Scan# 670

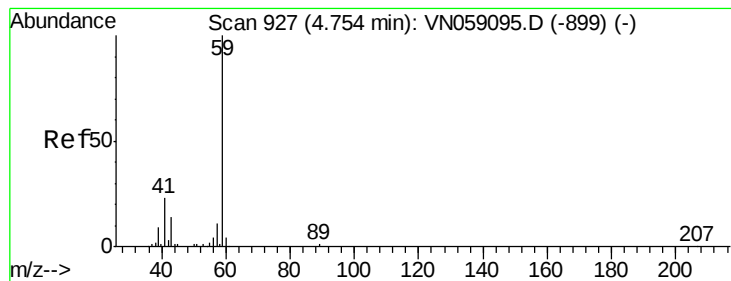
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:	142	Resp:	115410
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.2
141	13.7	11.4	17.0





#11

Tert butyl alcohol

Concen: 93.938 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 112533

Ion Ratio Lower Upper

59 100

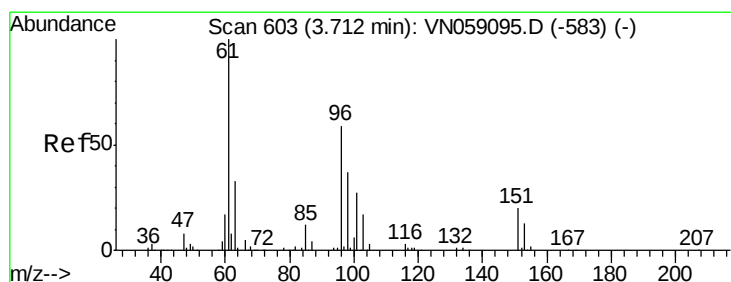
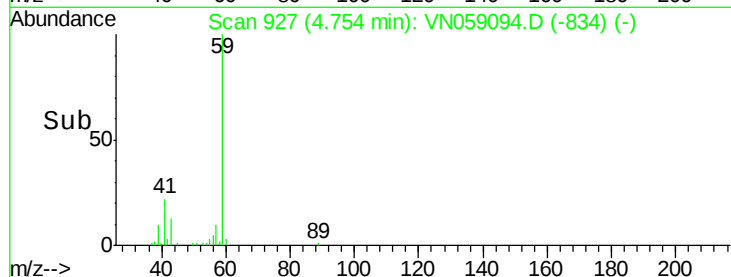
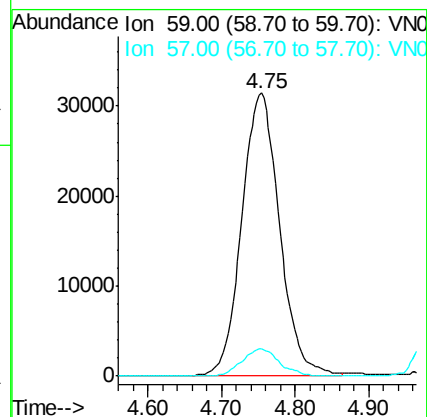
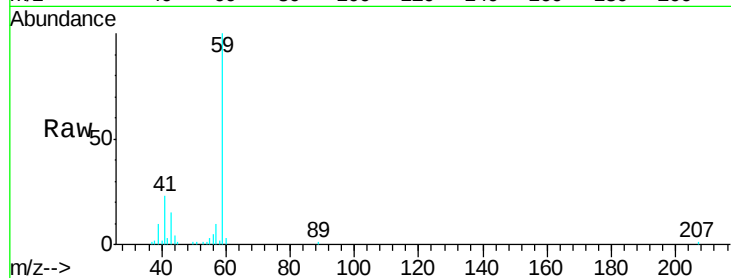
57 9.5 8.3 12.5

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 18.524 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

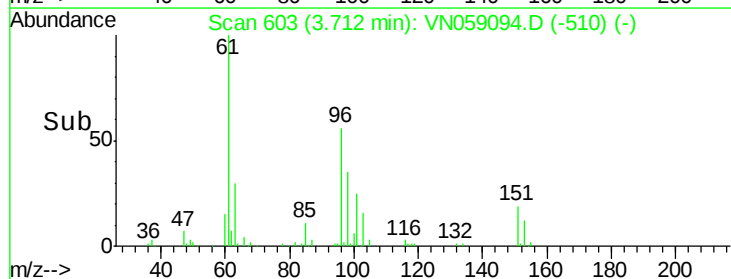
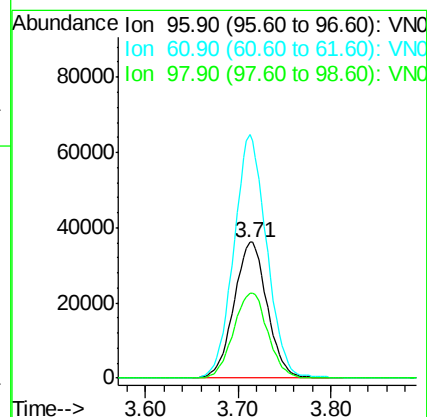
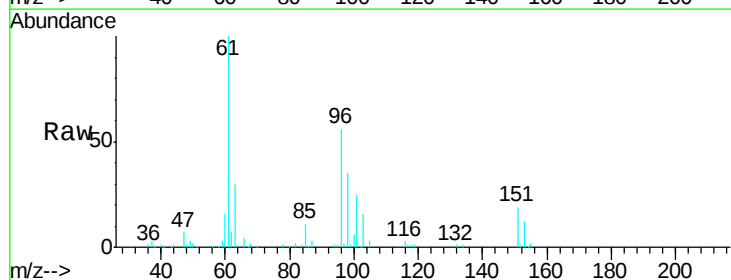
Tgt Ion: 96 Resp: 89837

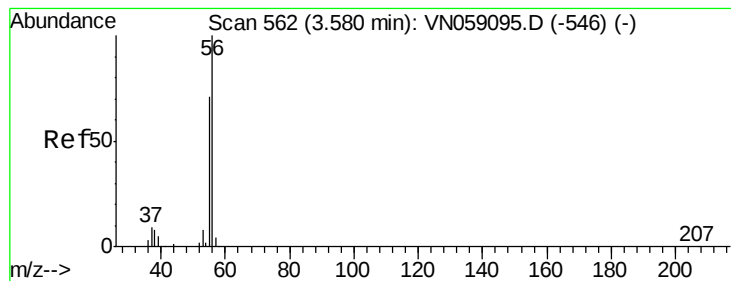
Ion Ratio Lower Upper

96 100

61 179.2 136.5 204.7

98 62.4 50.2 75.4





#13

Acrolein

Concen: 77.072 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 55632

Ion Ratio Lower Upper

56 100

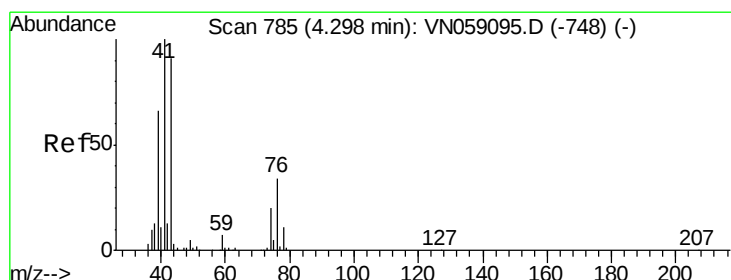
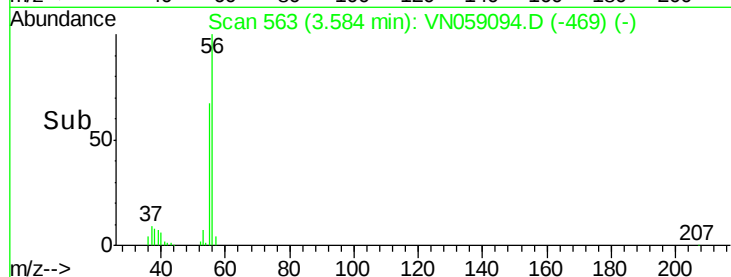
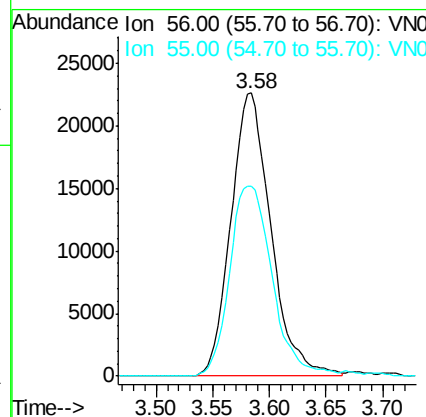
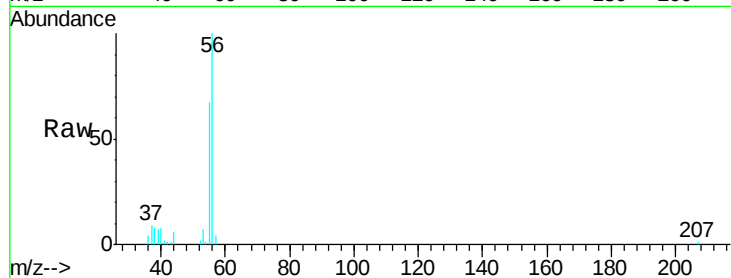
55 71.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.174 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

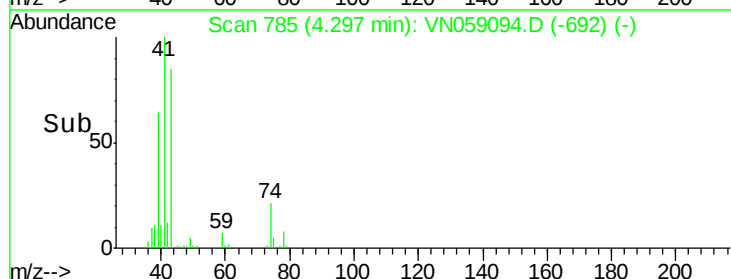
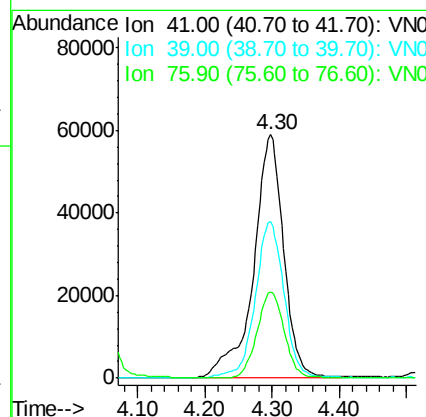
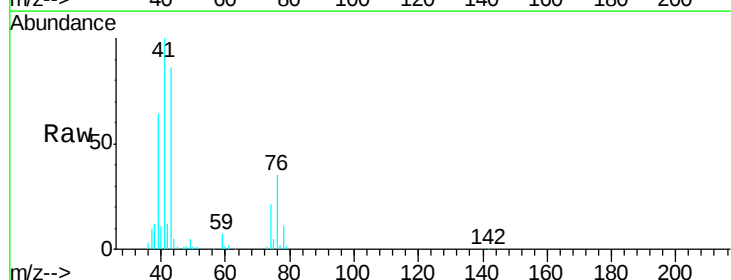
Tgt Ion: 41 Resp: 184250

Ion Ratio Lower Upper

41 100

39 61.0 49.1 73.7

76 31.7 24.9 37.3





#15

Acrylonitrile

Concen: 94.331 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

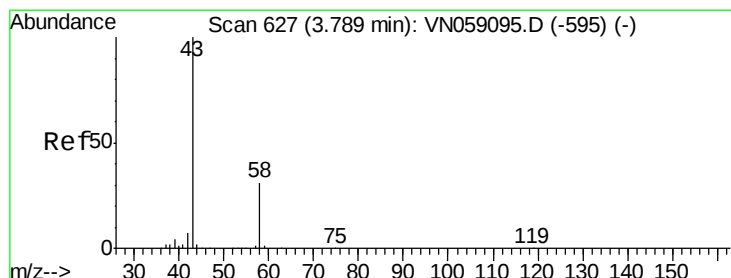
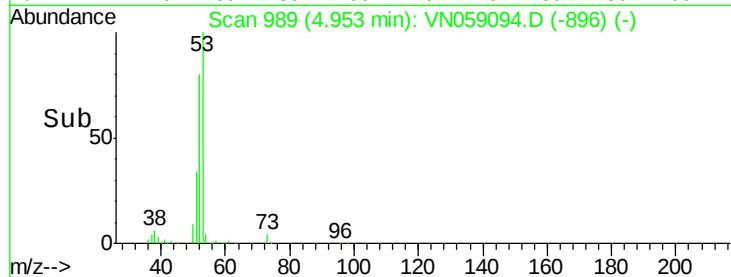
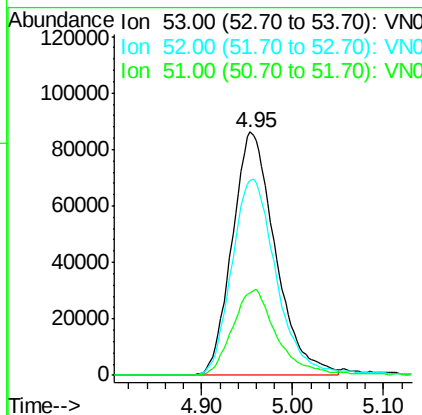
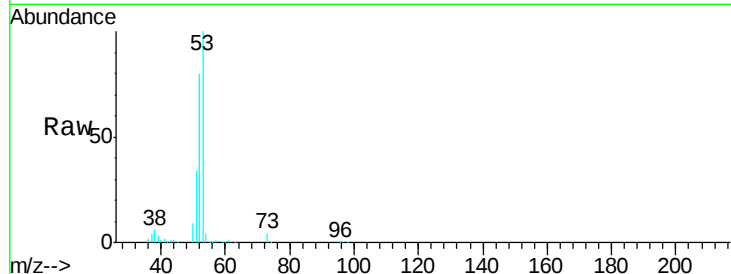
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	284569
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	36.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 106.433 ug/l

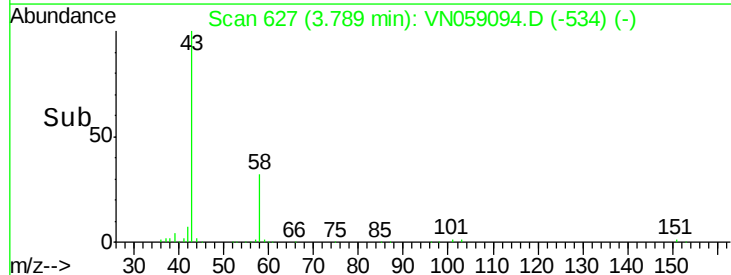
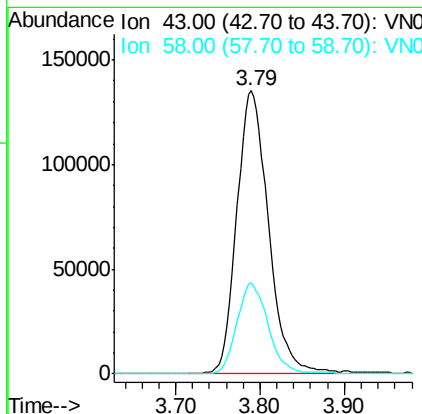
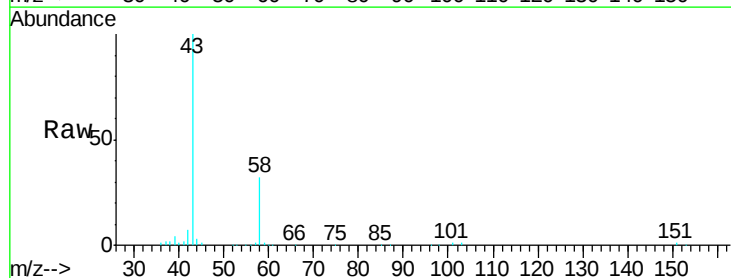
RT: 3.79 min Scan# 627

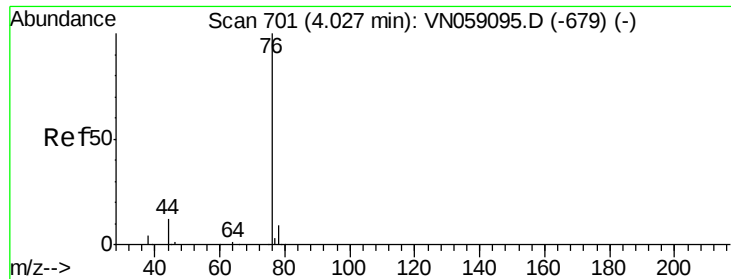
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:	43	Resp:	352068
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.9	37.3





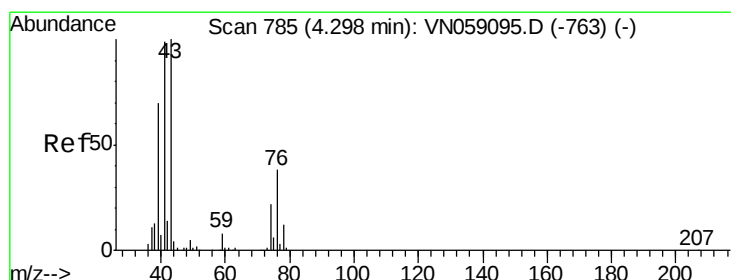
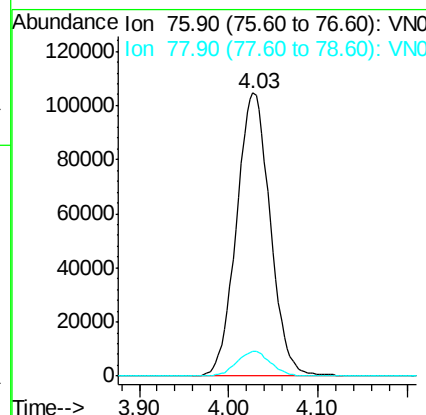
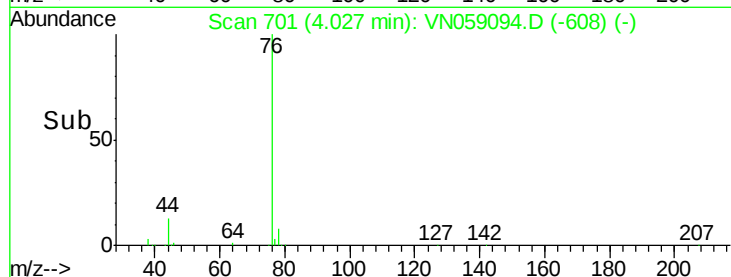
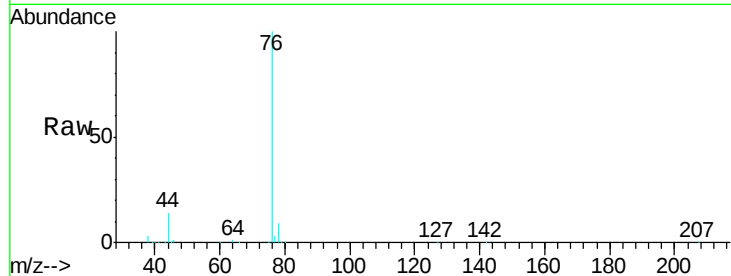
#17
Carbon Disulfide
Concen: 17.917 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 274157
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

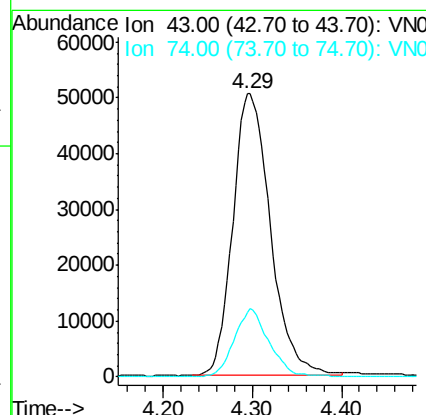
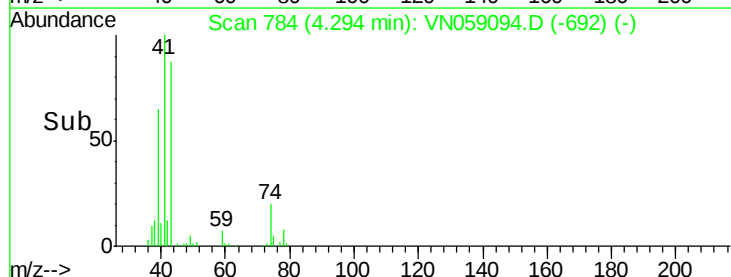
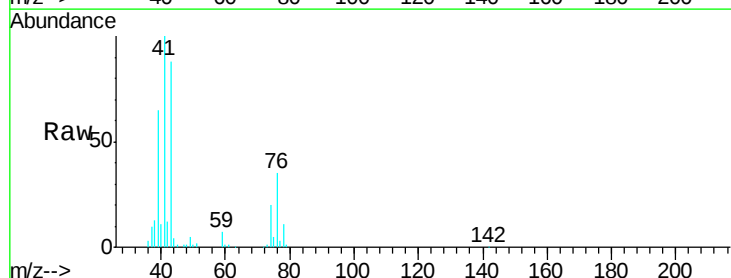
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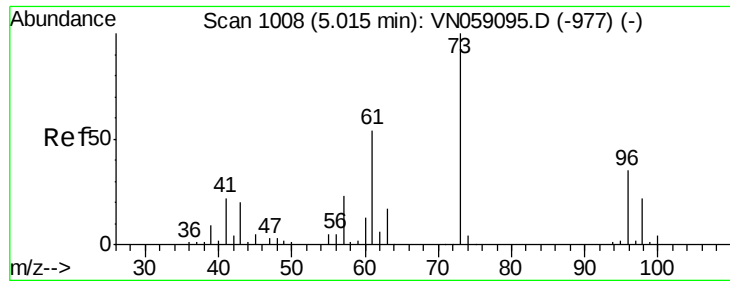
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#18
Methyl Acetate
Concen: 17.780 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 43 Resp: 148137
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8





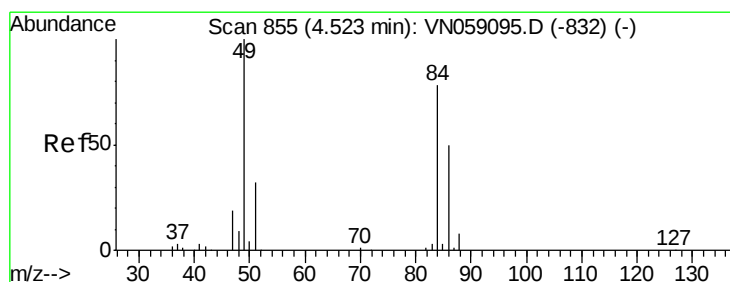
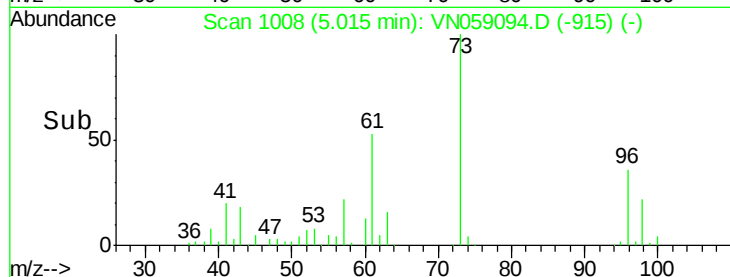
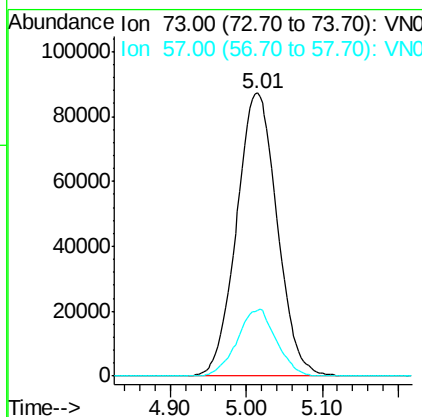
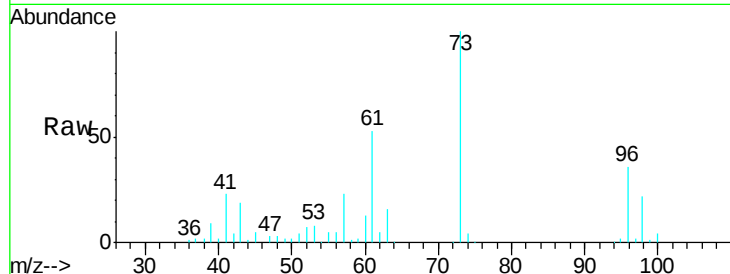
#19
Methyl tert-butyl Ether
Concen: 19.515 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 73 Resp: 322795
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

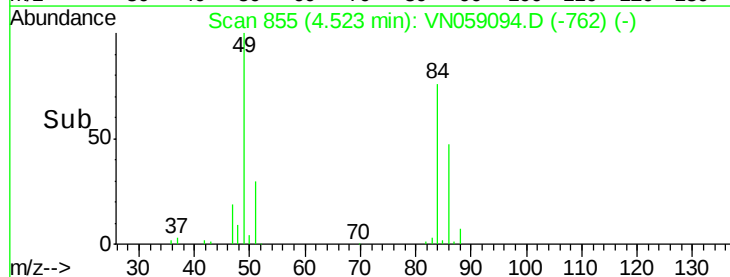
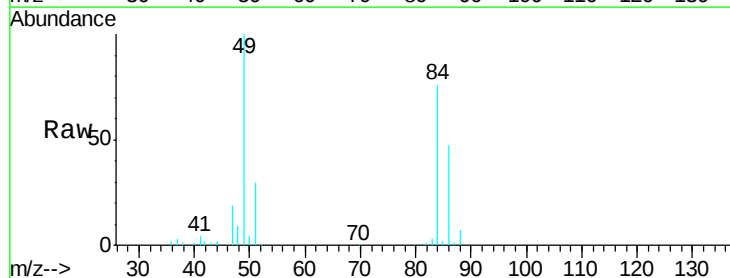
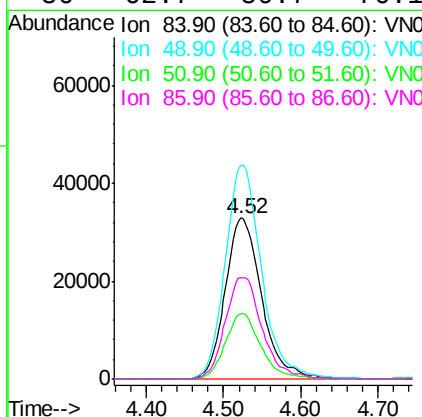
Manual Integrations
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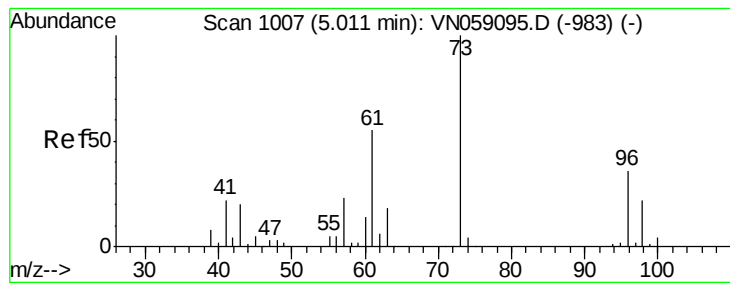
MMDadoda
11/7/2019 9:16:07 AM



#20
Methylene Chloride
Concen: 18.708 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 84 Resp: 107677
Ion Ratio Lower Upper
84 100
49 132.3 102.0 153.0
51 40.4 32.2 48.2
86 62.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.891 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 98236

Ion Ratio Lower Upper

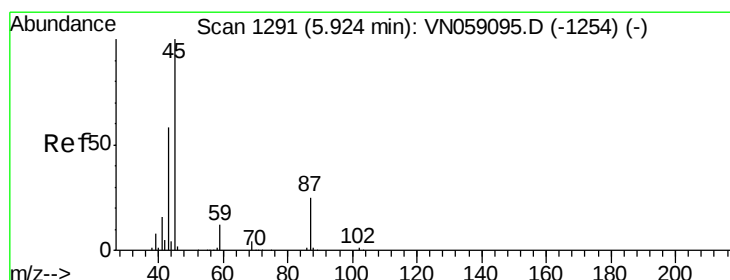
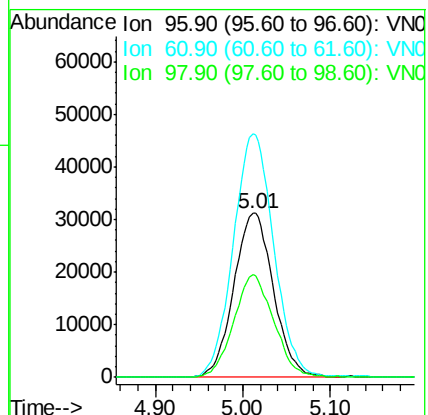
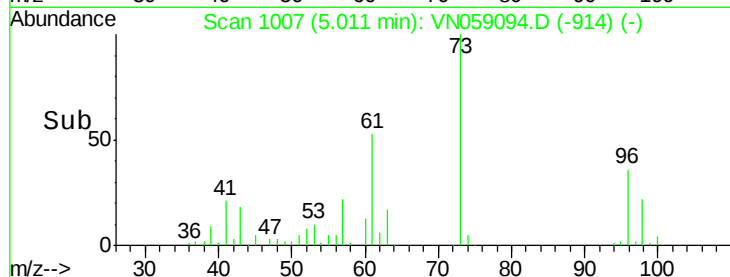
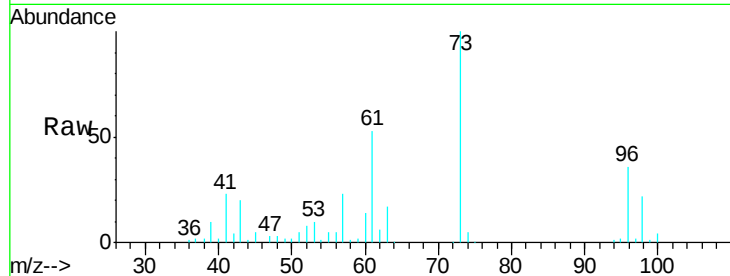
96 100

61 148.6 122.6 183.8

98 62.5 50.3 75.5

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#22

Diisopropyl ether

Concen: 19.811 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion: 45 Resp: 362927

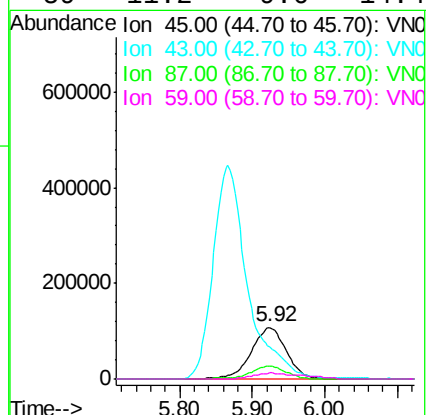
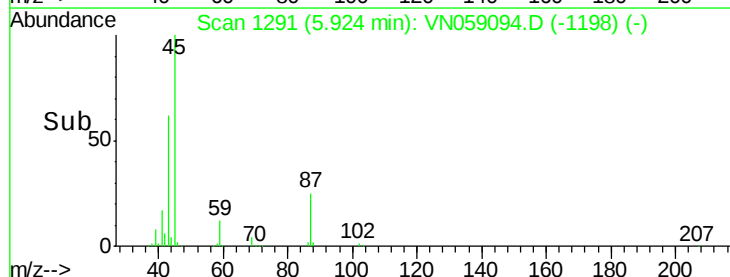
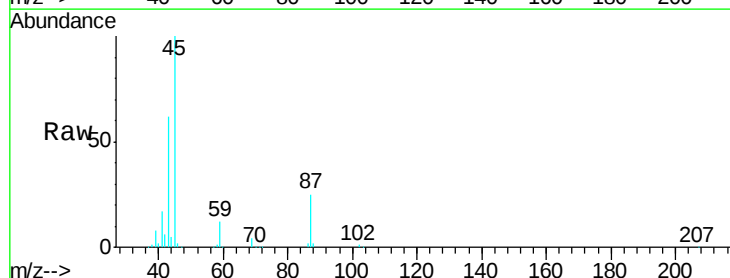
Ion Ratio Lower Upper

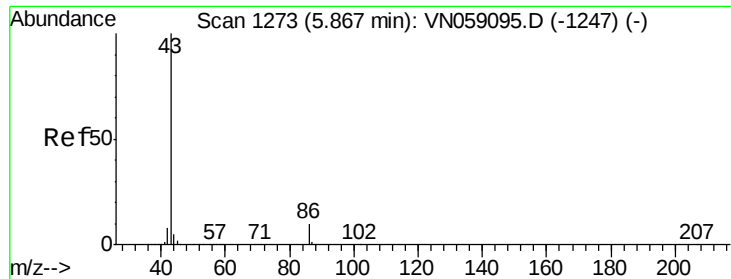
45 100

43 60.0 46.7 70.1

87 24.5 20.5 30.7

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 101.378 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 1475546

Ion Ratio Lower Upper

43 100

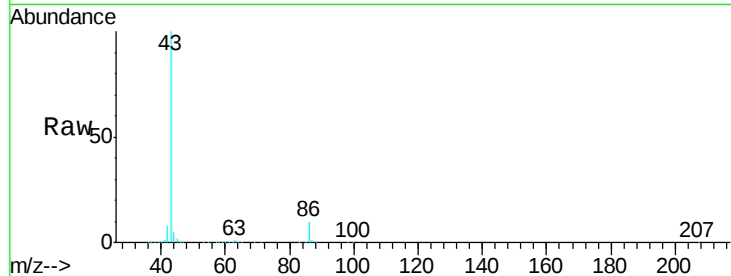
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

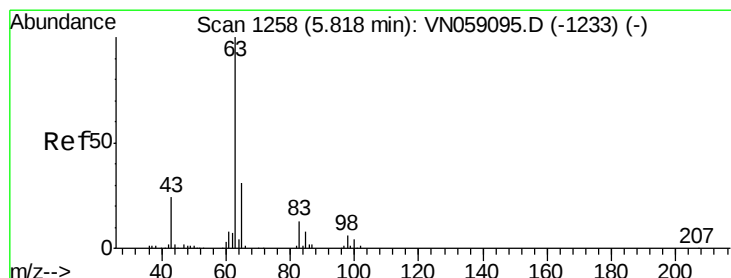
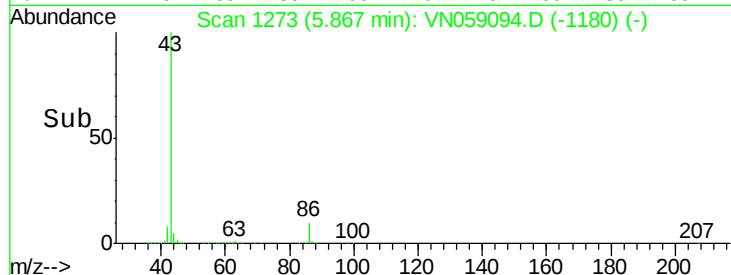
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.223 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

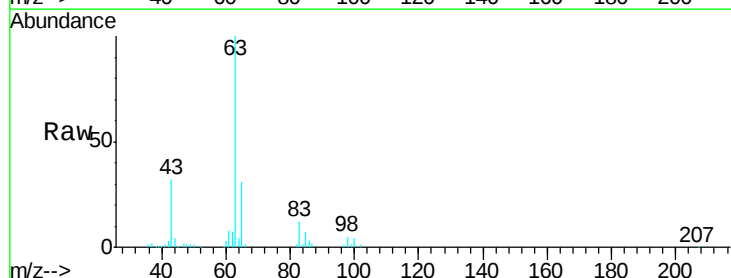
Tgt Ion: 63 Resp: 201494

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

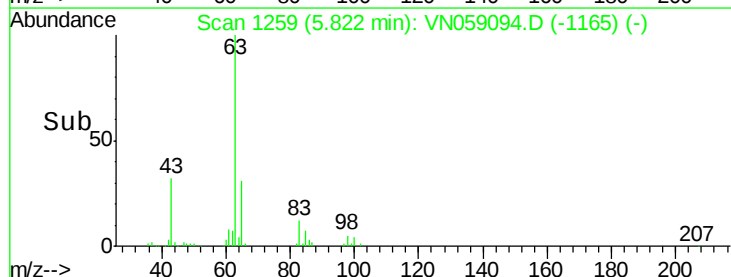
60000

40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 98.038 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 428865

Ion Ratio Lower Upper

43 100

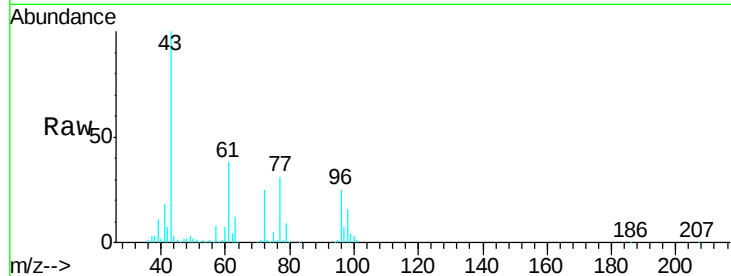
72 24.7 20.3 30.5

Manual Integrations

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MMDadoda

11/7/2019 9:16:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

150000

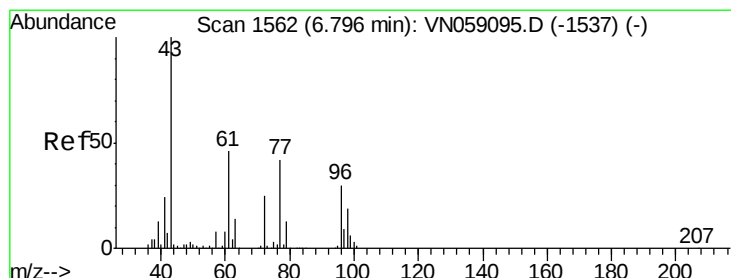
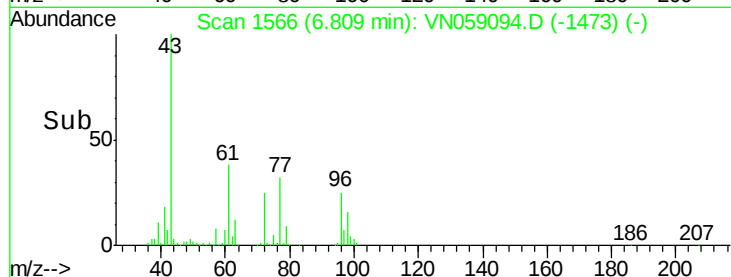
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059094.D

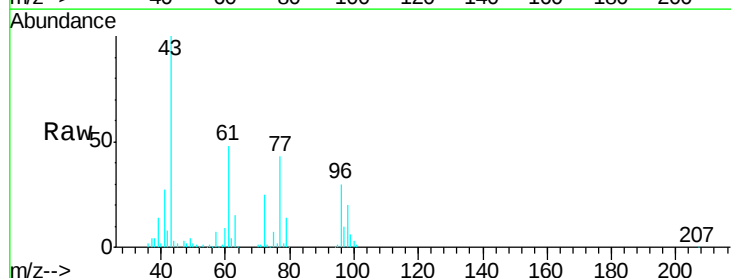
Acq: 6 Nov 2019 9:39

Tgt Ion: 77 Resp: 169517

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

60000

50000

40000

30000

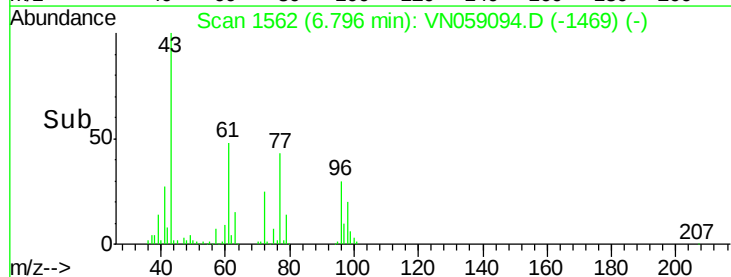
20000

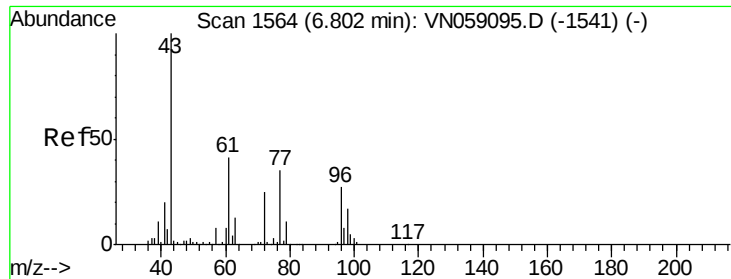
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.219 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

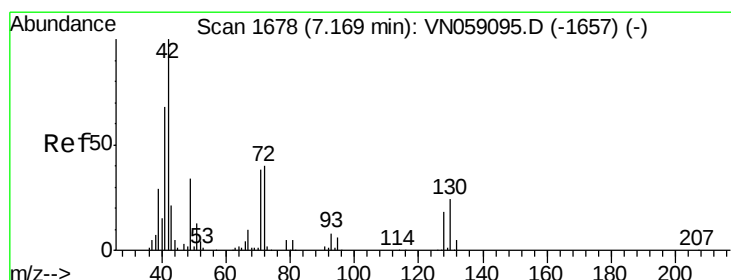
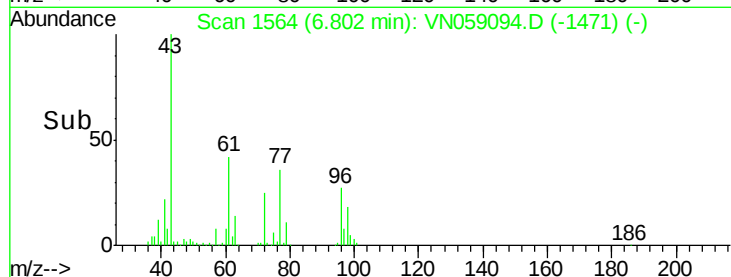
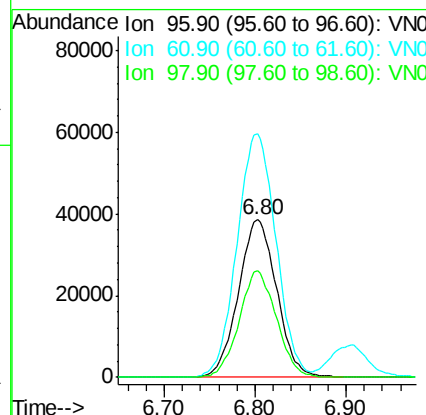
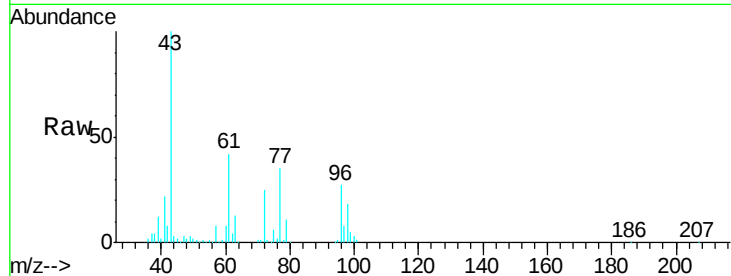
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	112958
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	311.6
98	65.6	0.0	129.8

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#28

Bromochloromethane

Concen: 18.158 ug/l

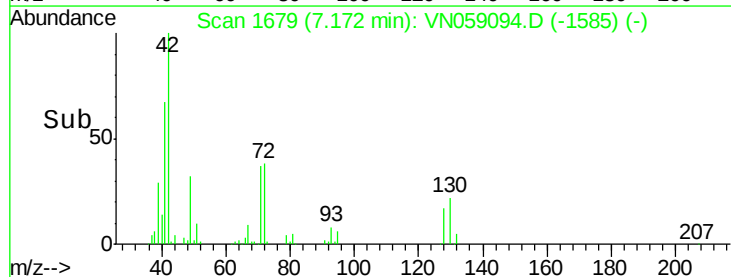
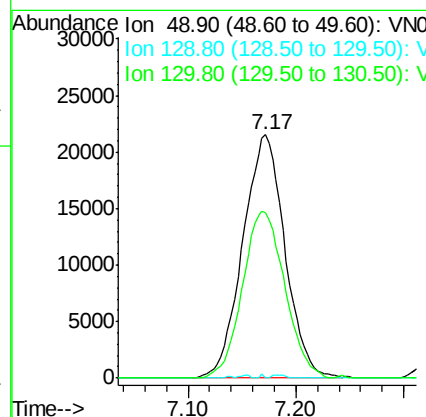
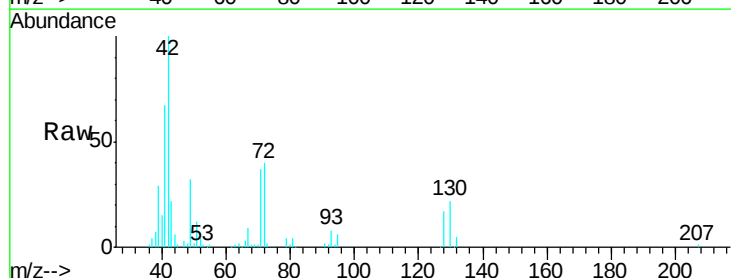
RT: 7.17 min Scan# 1679

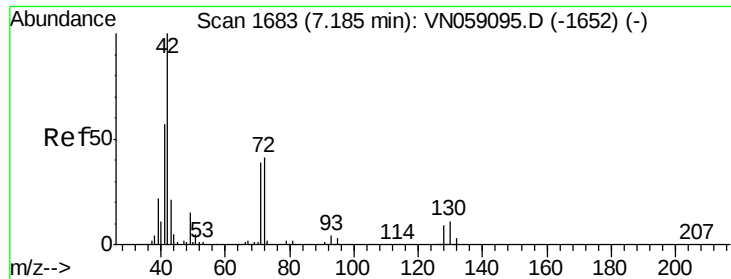
Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:	49	Resp:	58346
Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	3.8
130	68.9	55.6	83.4





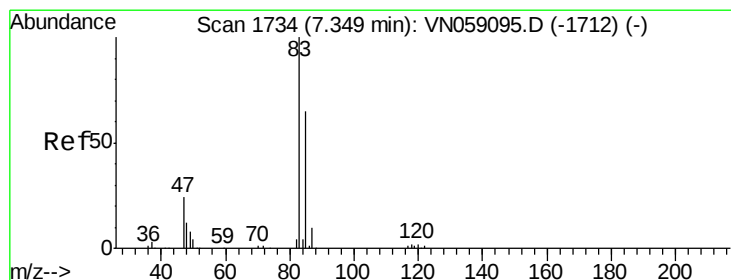
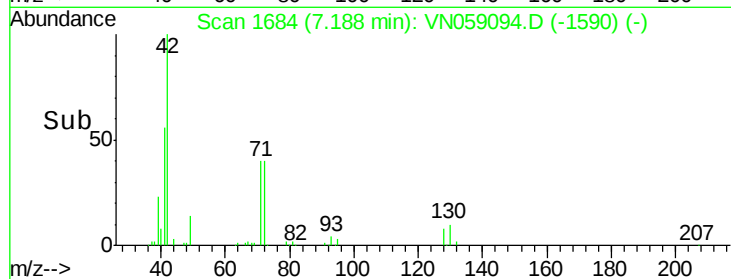
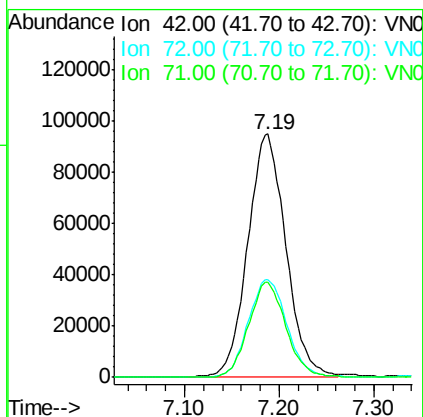
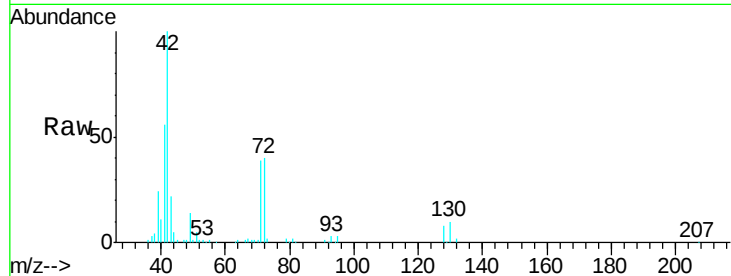
#29
Tetrahydrofuran
Concen: 95.971 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.1	49.7
71	38.4	30.9	46.3

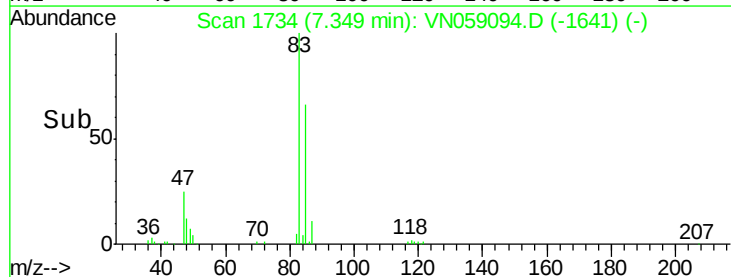
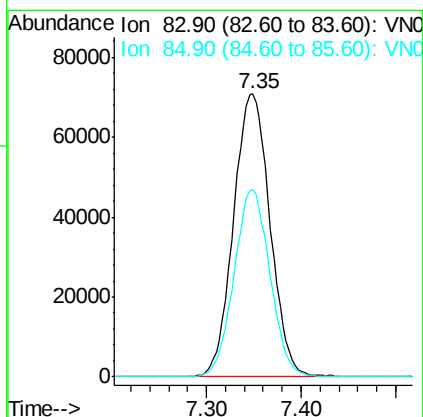
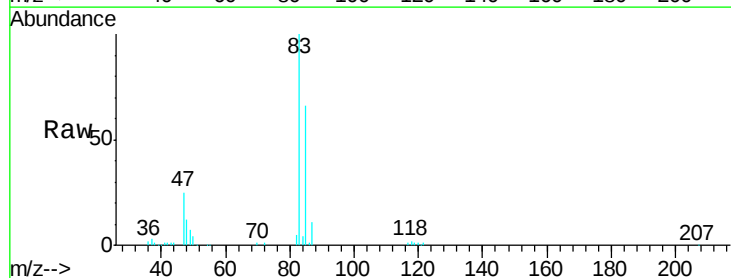
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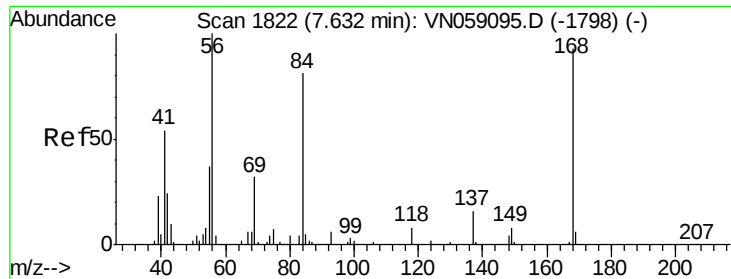
MMDadoda
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#30
Chloroform
Concen: 18.983 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





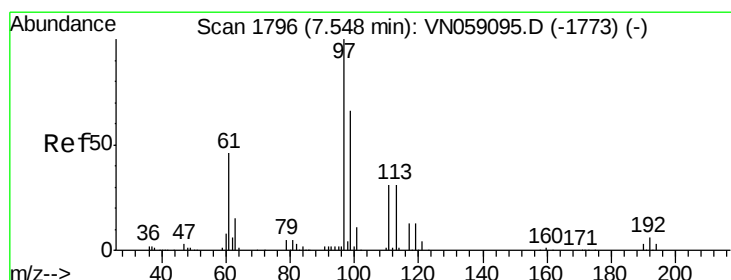
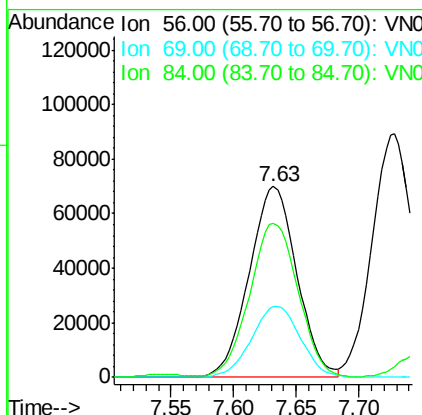
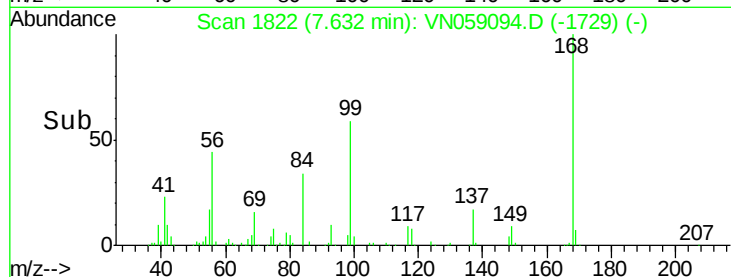
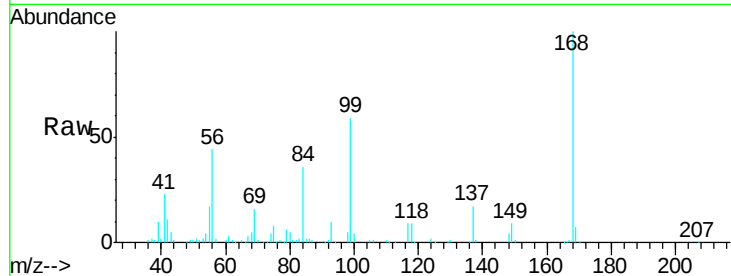
#31
Cyclohexane
Concen: 18.598 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.8	38.8
84	79.9	65.0	97.4

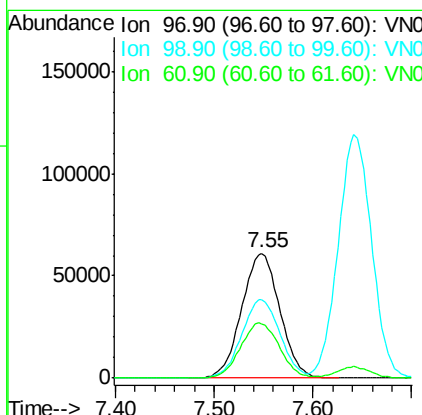
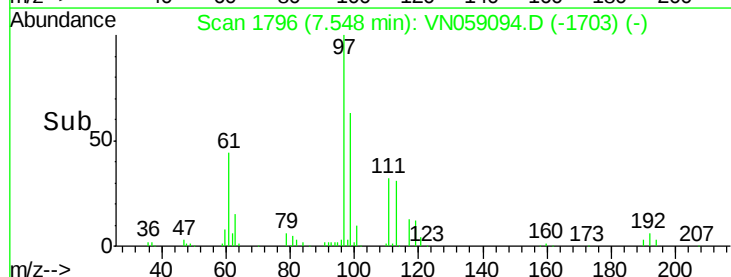
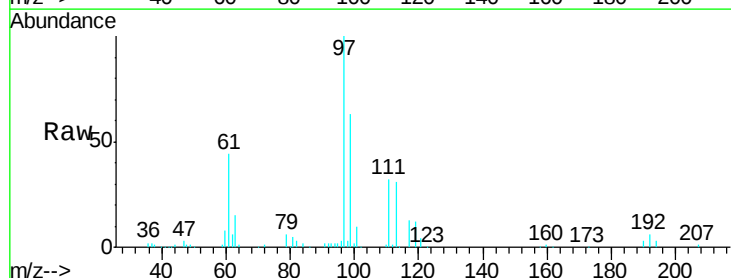
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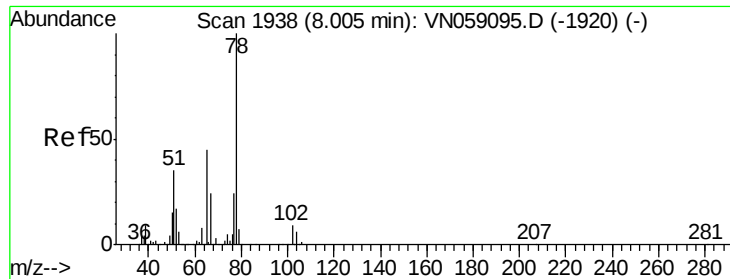
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.215 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	45.2	35.8	53.8





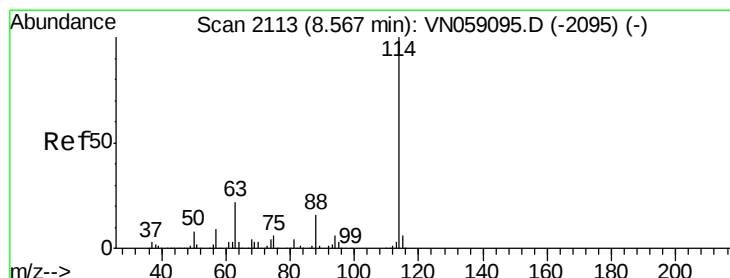
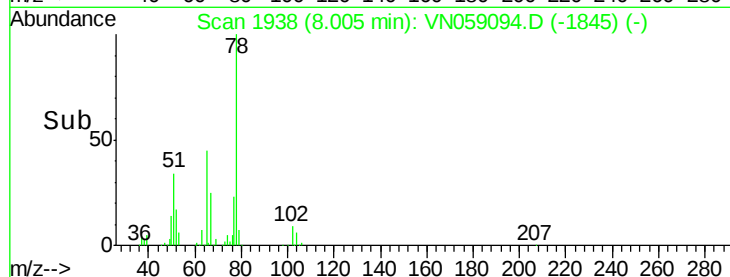
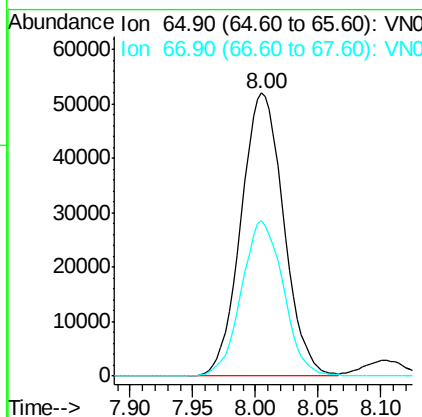
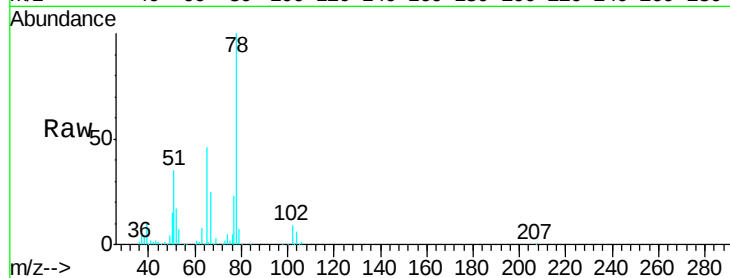
#33
 1,2-Dichloroethane-d4
 Concen: 19.359 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	123203		
67	53.9	0.0	107.4	

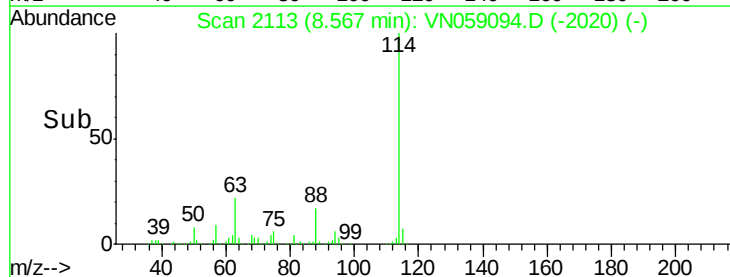
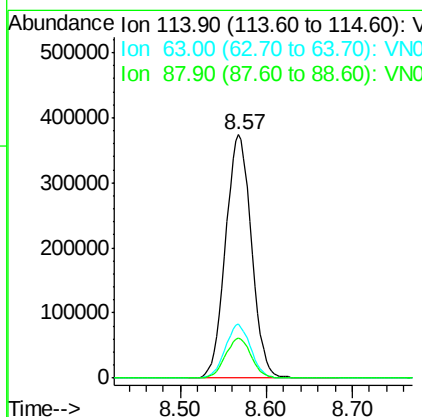
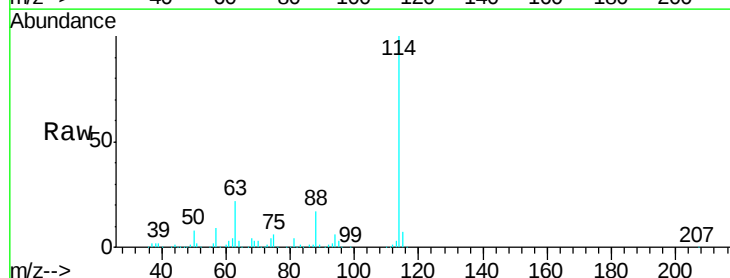
Manual Integrations
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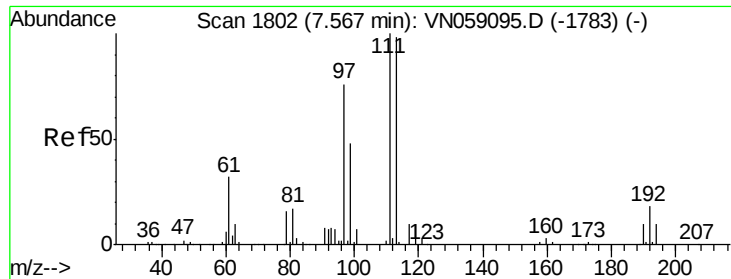
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	780209		
63	22.0	0.0	43.4	
88	16.6	0.0	32.2	





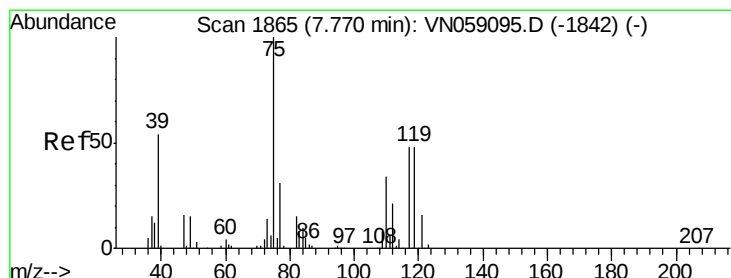
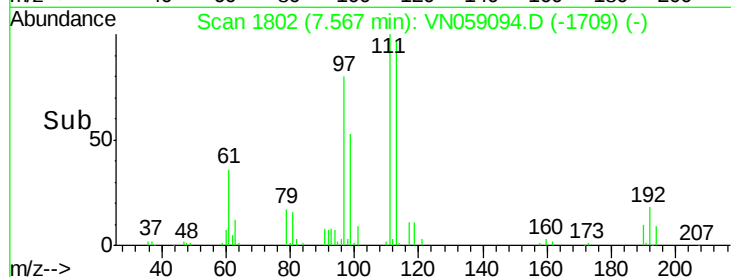
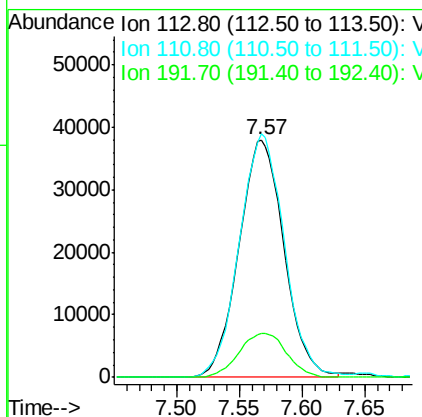
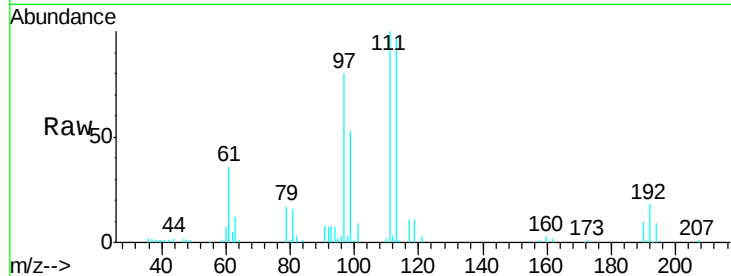
#35
Dibromofluoromethane
Concen: 19.201 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	94693		
111	102.3	82.8	124.2	
192	19.5	16.1	24.1	

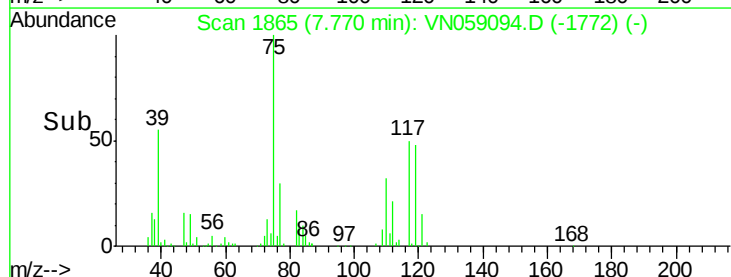
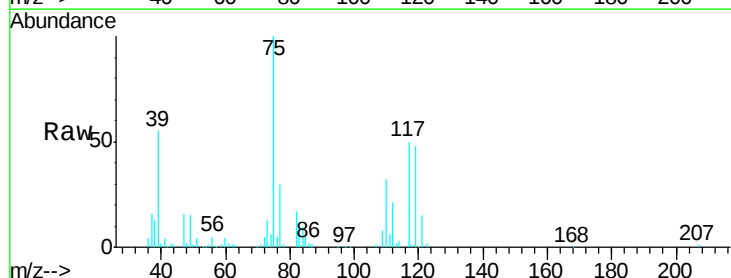
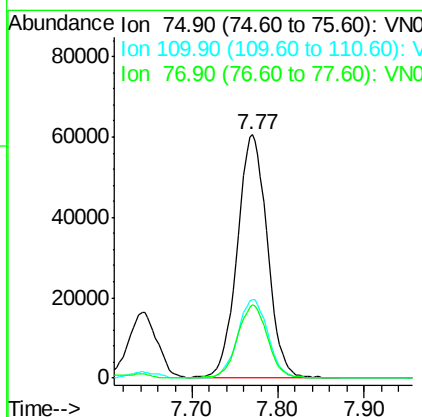
Manual Integrations
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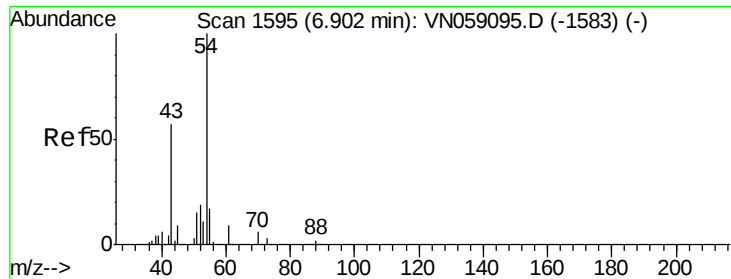
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#36
1,1-Dichloropropene
Concen: 19.073 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	147167		
110	32.6	17.1	51.2	
77	30.2	24.8	37.2	





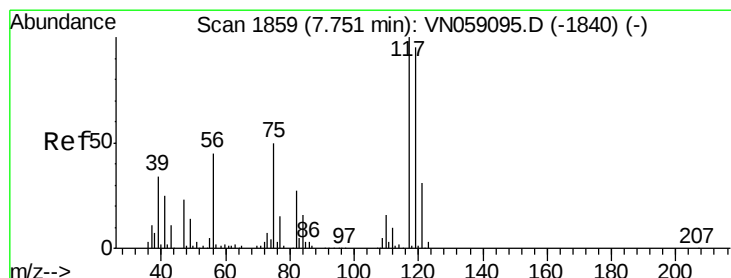
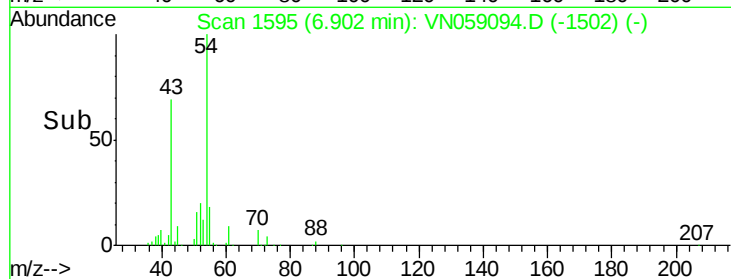
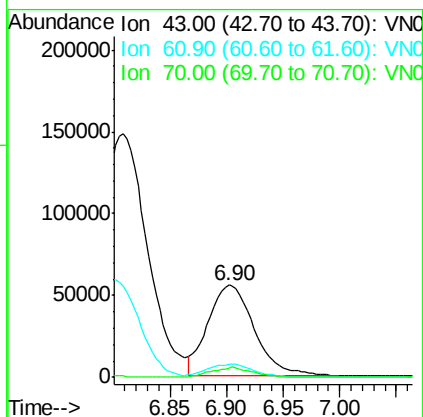
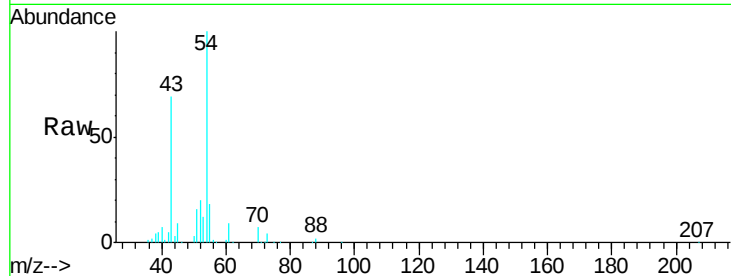
#37
Ethyl Acetate
Concen: 18.446 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	10.2	7.8	11.8

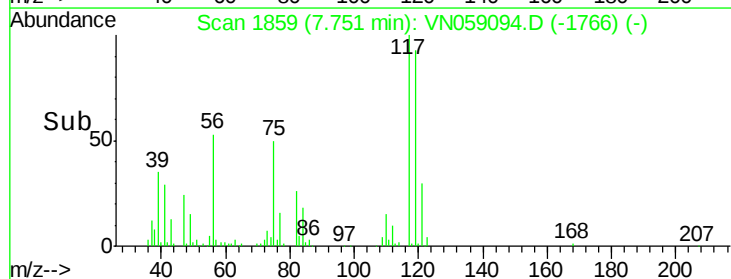
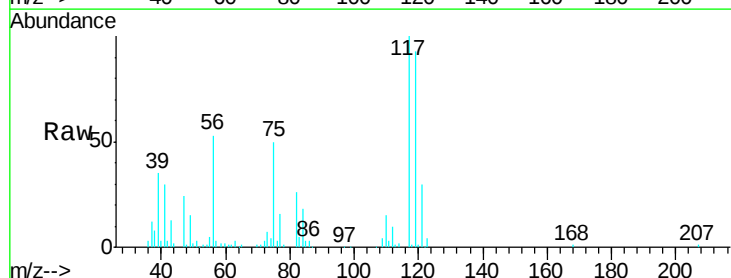
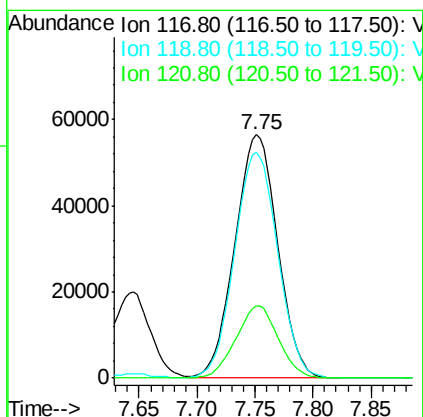
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#38
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.6	113.4
121	29.6	24.6	36.8





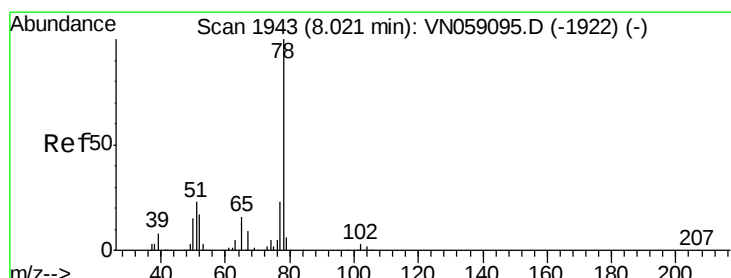
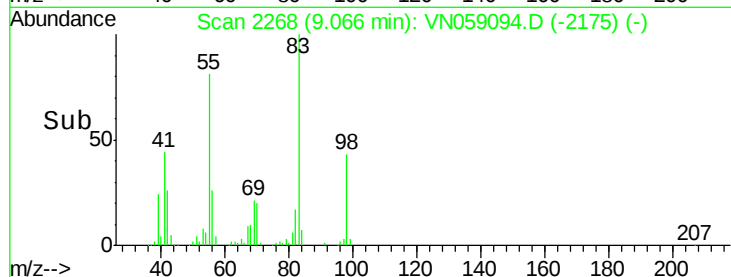
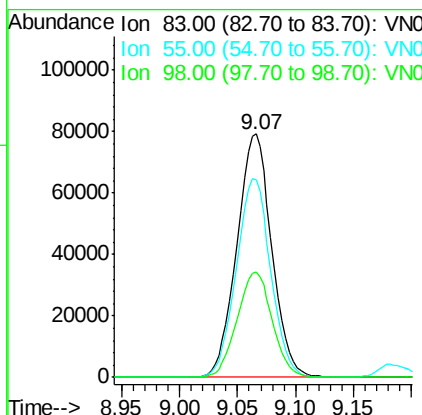
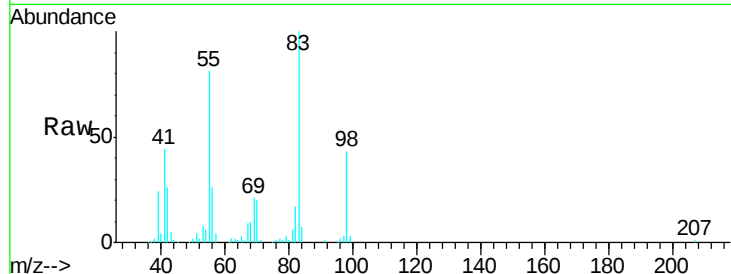
#39
Methylcyclohexane
Concen: 18.601 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	165412		
55	81.1	63.9	95.9	
98	43.0	35.6	53.4	

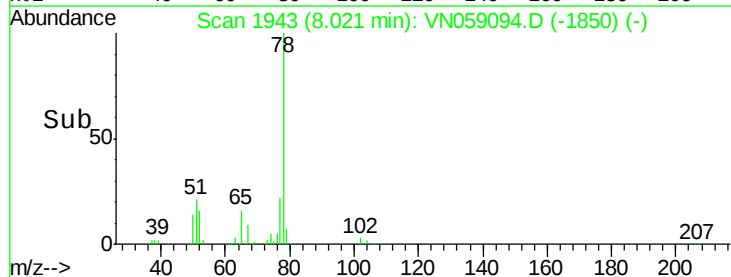
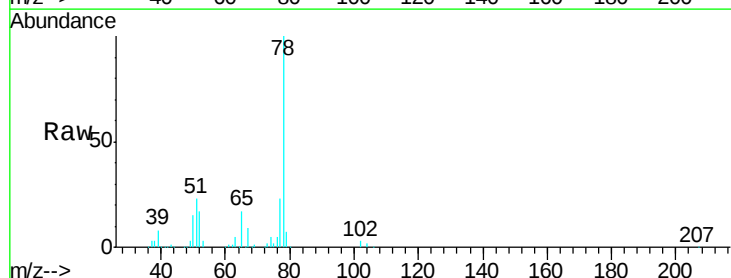
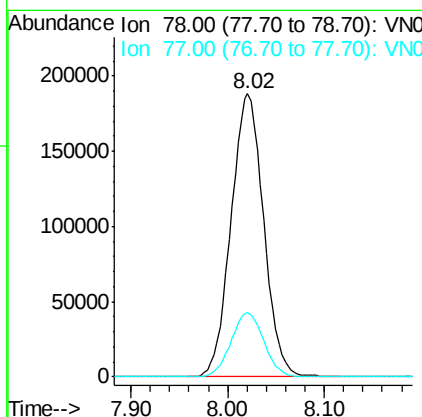
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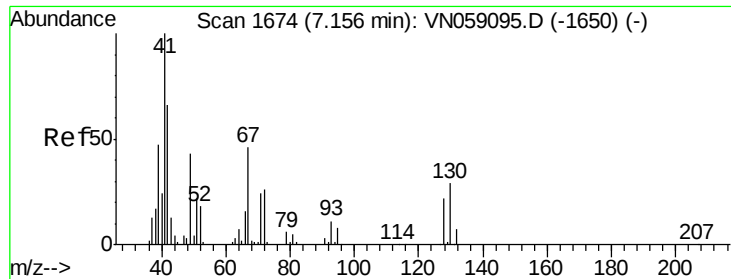
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#40
Benzene
Concen: 19.167 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	440043		
77	22.7	18.8	28.2	





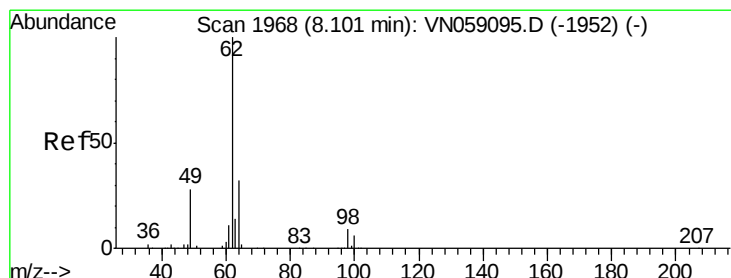
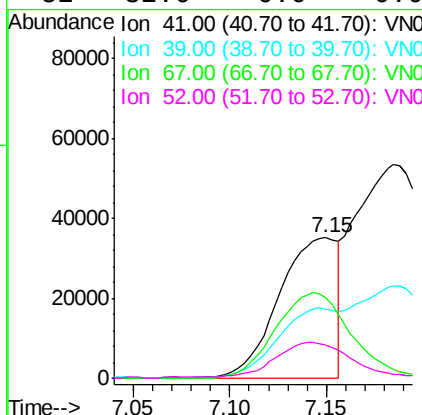
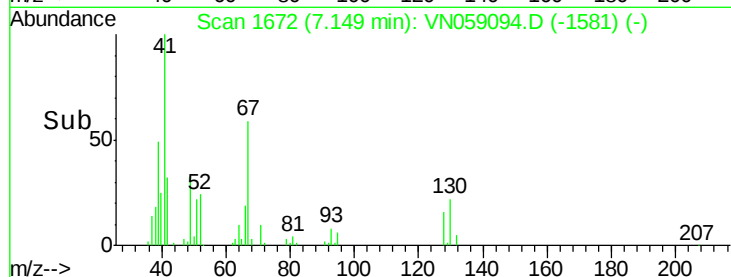
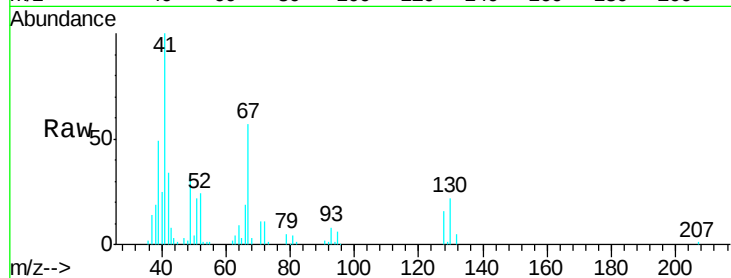
#41
Methacrylonitrile
Concen: 19.907 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.4	0.0	0.0#
67	78.9	0.0	0.0#
52	32.6	0.0	0.0#

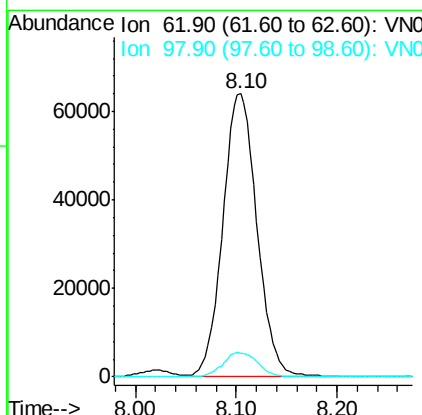
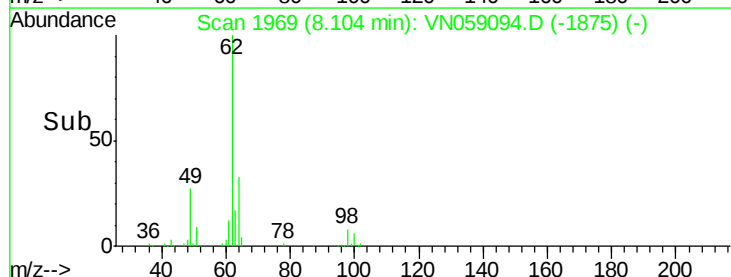
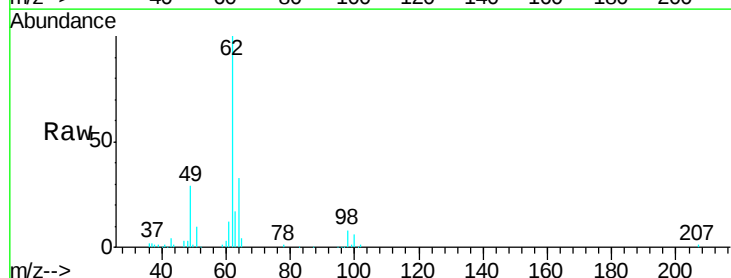
Manual Integrations
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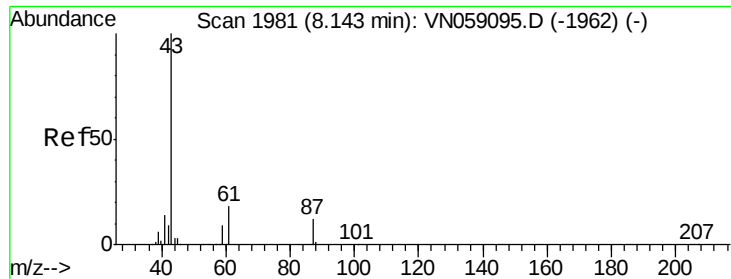
MMDadoda
11/7/2019 9:16:07 AM



#42
1,2-Dichloroethane
Concen: 18.891 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





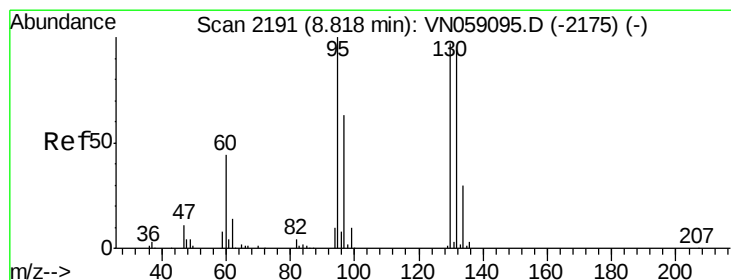
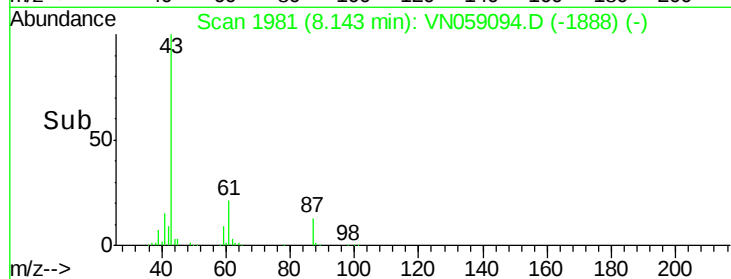
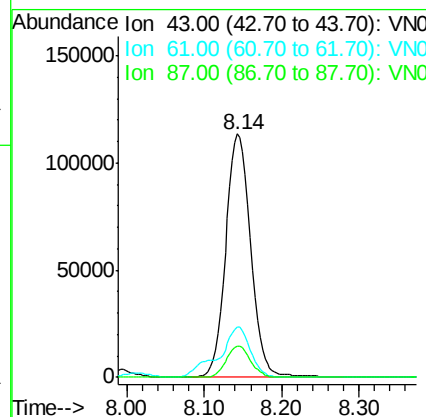
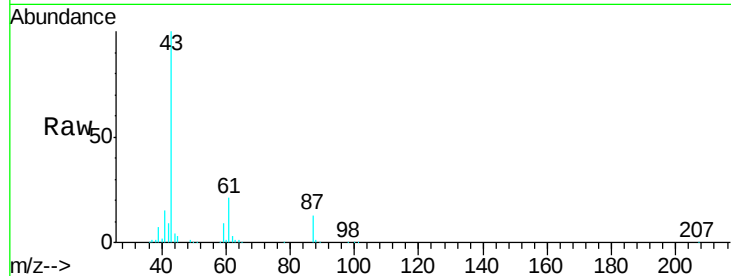
#43
Isopropyl Acetate
Concen: 18.829 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:	43	Resp:	252227
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	12.4	9.8	14.6

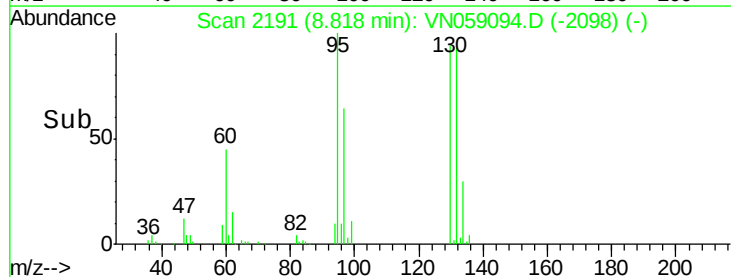
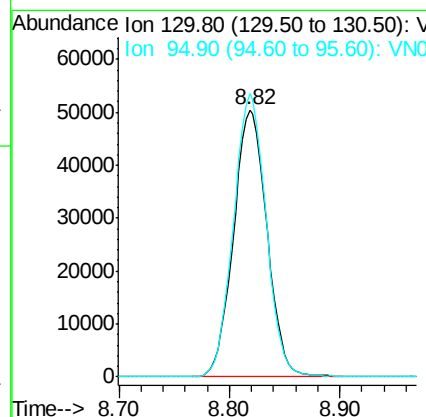
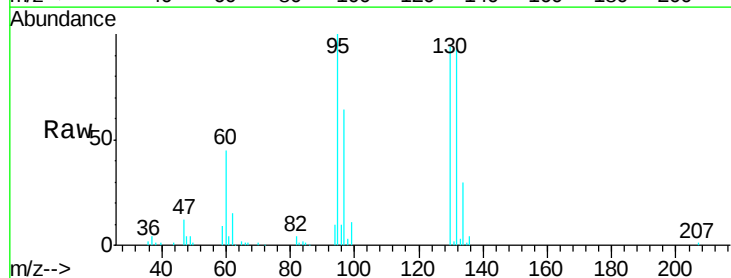
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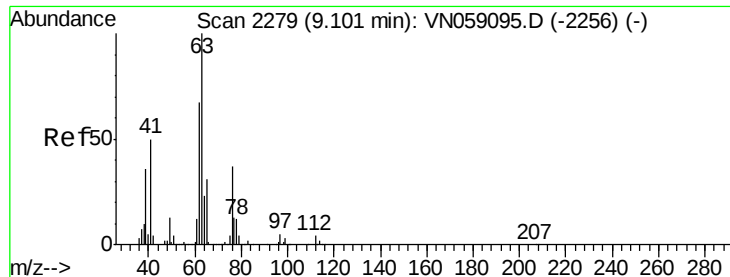
MMDadoda
11/7/2019 9:16:07 AM



#44
Trichloroethene
Concen: 18.746 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:	130	Resp:	106011
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	206.4





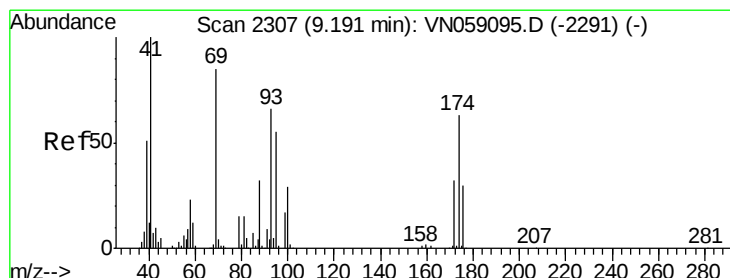
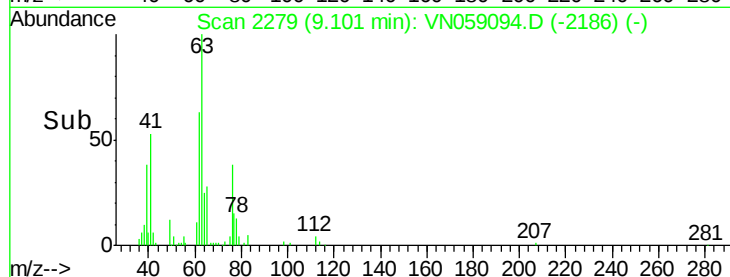
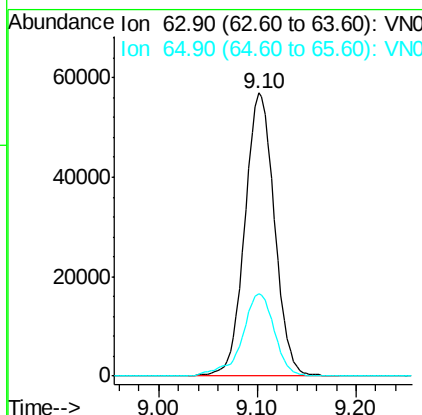
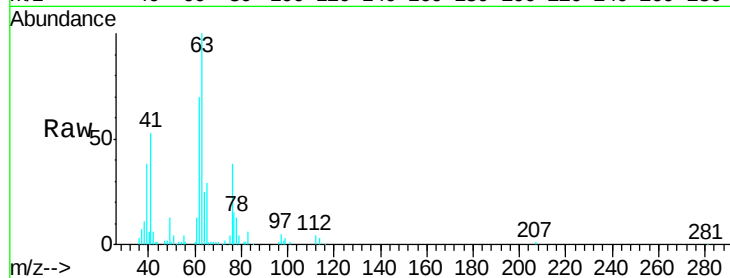
#45
 1,2-Dichloropropane
 Concen: 19.012 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 118161
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.6 37.0

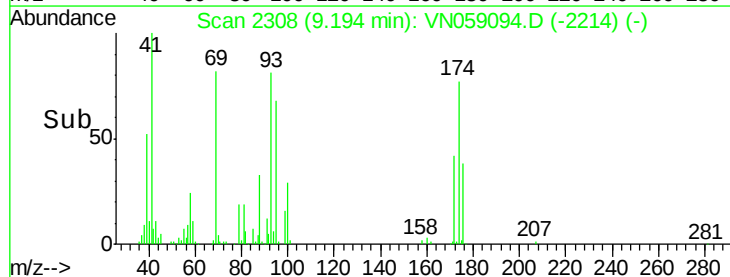
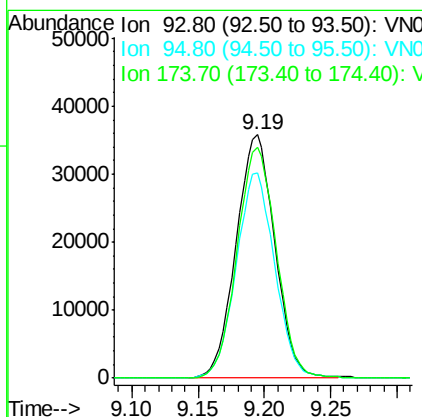
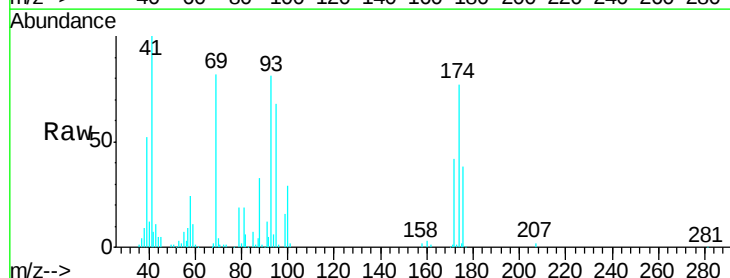
Manual Integrations
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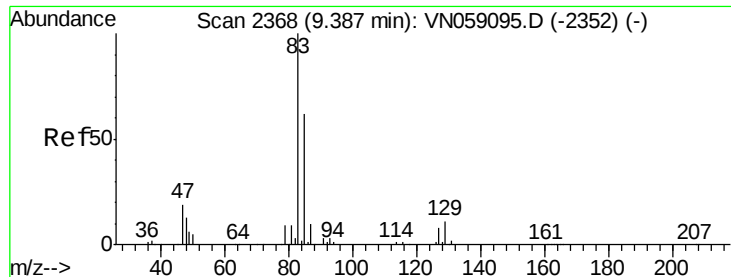
MMDadoda
 11/7/2019 9:16:07 AM



#46
 Dibromomethane
 Concen: 18.971 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion: 93 Resp: 72781
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 95.8 78.2 117.2





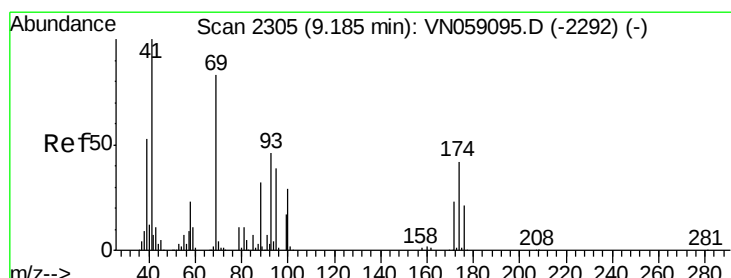
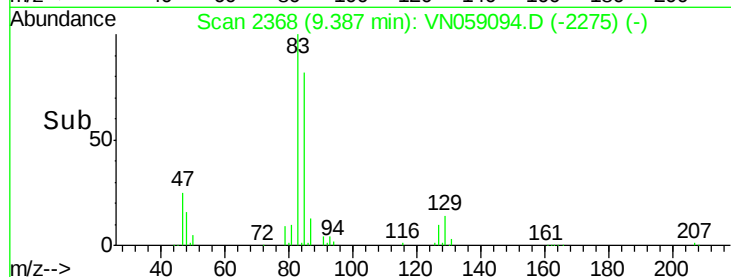
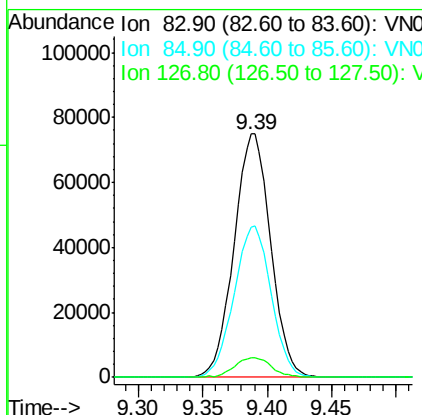
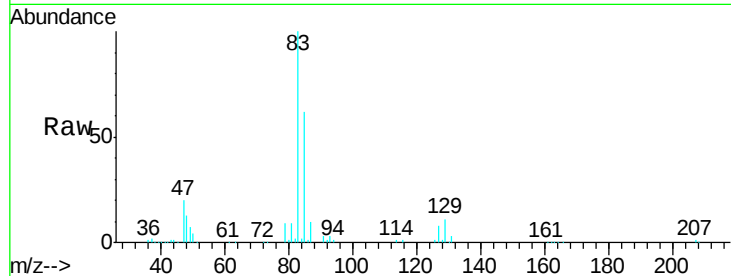
#47
Bromodichloromethane
Concen: 19.028 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.7	74.5
127	7.9	6.4	9.6

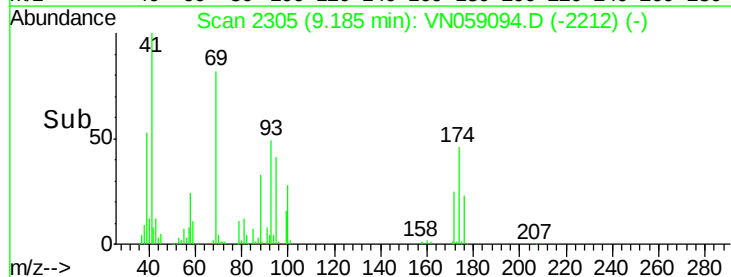
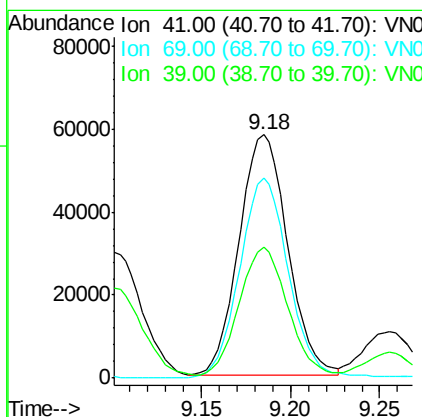
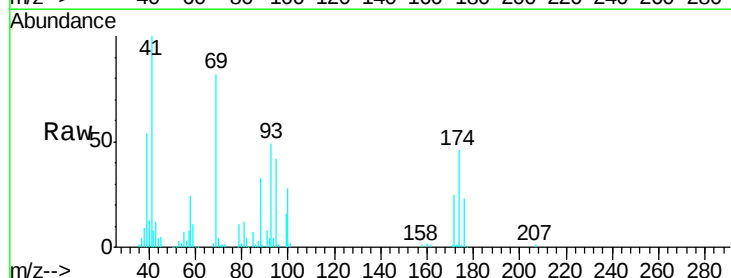
Manual Integrations
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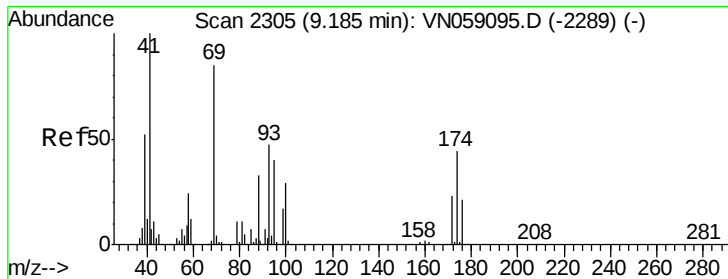
MMDadoda
11/7/2019 9:16:07 AM



#48
Methyl methacrylate
Concen: 18.095 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.3	100.9
39	54.6	43.3	64.9





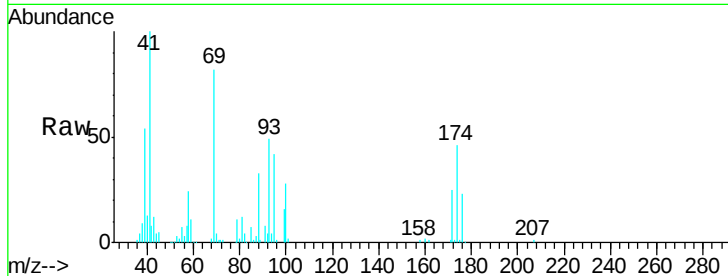
#49
1,4-Dioxane
Concen: 397.956 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

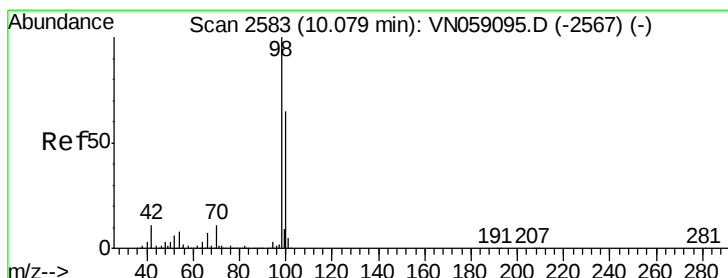
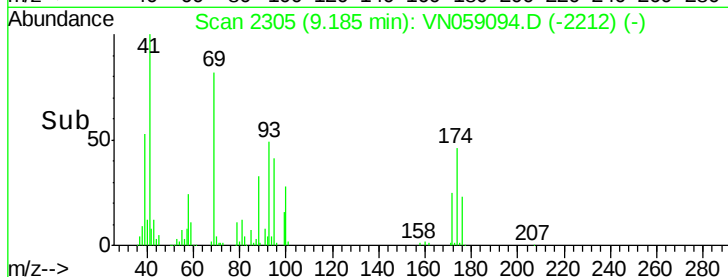
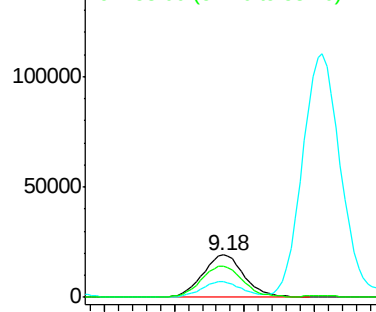
Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.5	26.3	39.5
58	75.0	60.6	90.8

Manual Integrations
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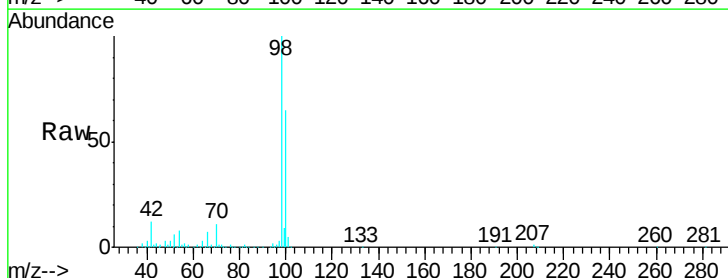


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

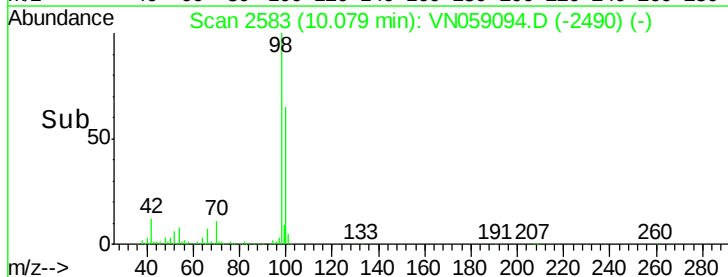
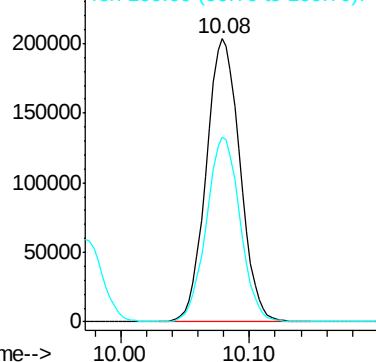


#50
Toluene-d8
Concen: 19.313 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.540 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

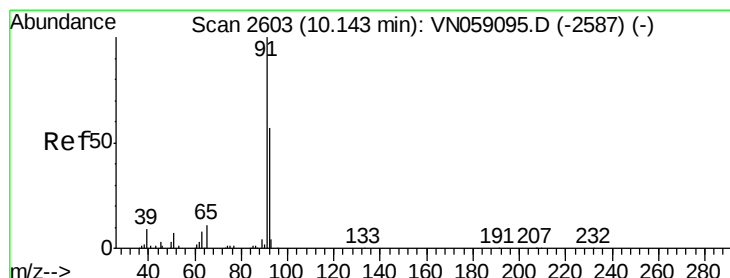
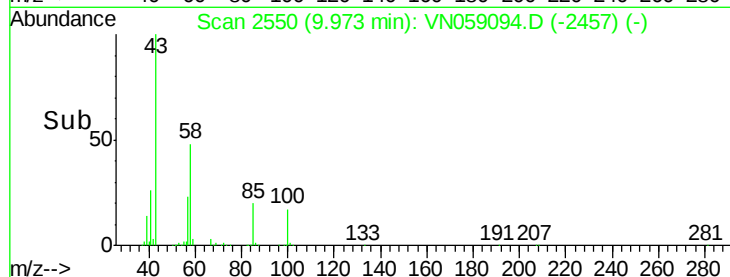
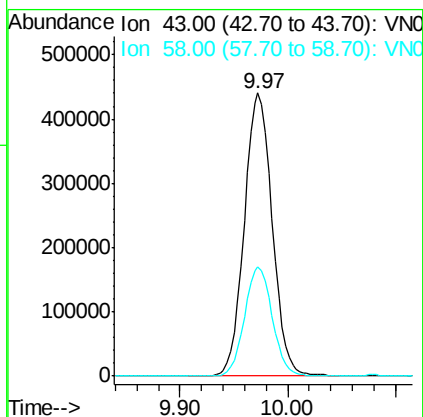
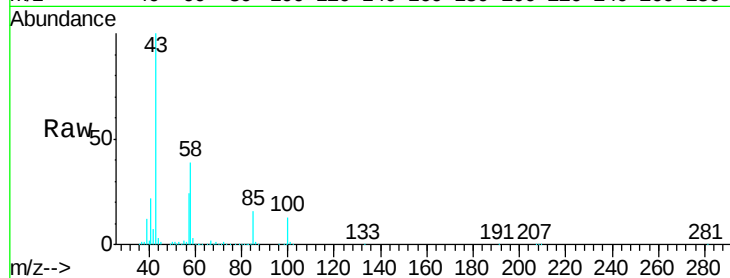
Tgt Ion: 43 Resp: 792447
Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3

Manual Integrations
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#52

Toluene

Concen: 19.488 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

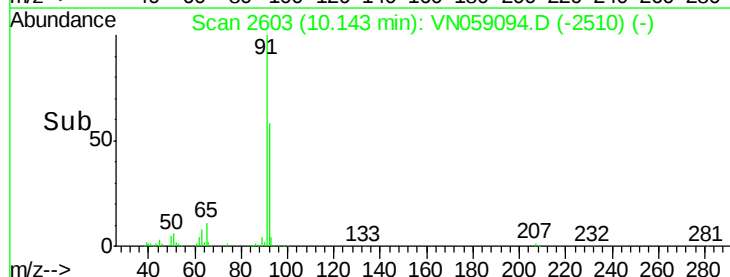
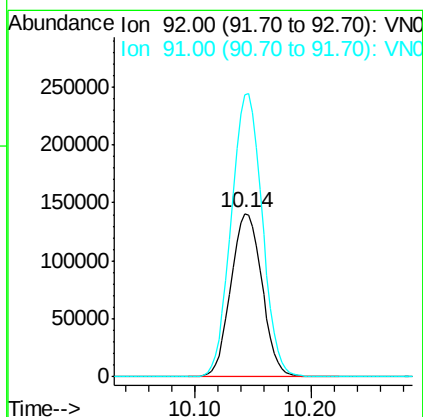
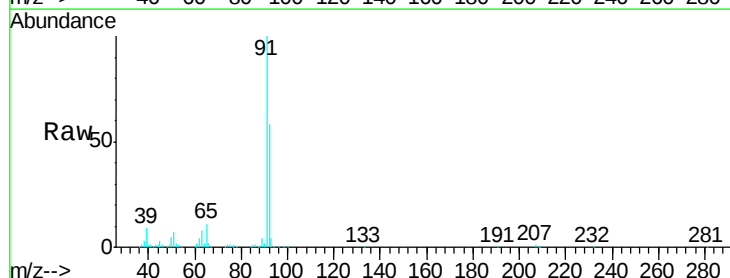
Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion: 92 Resp: 261711
Ion Ratio Lower Upper

92 100

91 173.1 139.5 209.3





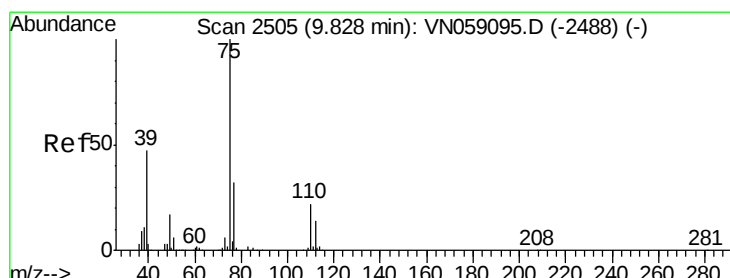
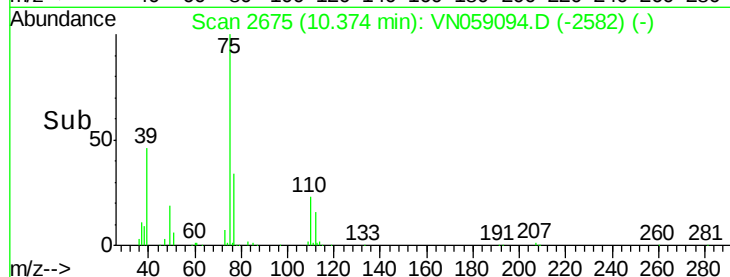
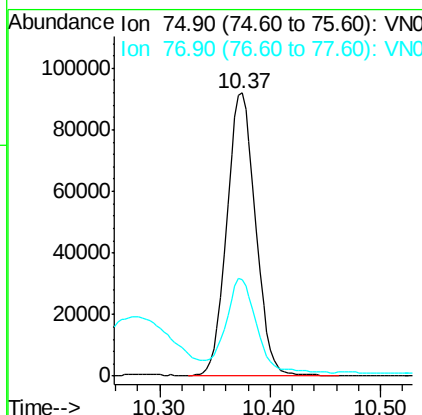
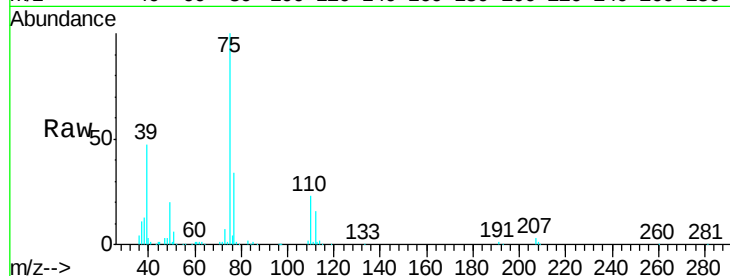
#53
t-1,3-Dichloropropene
Concen: 18.456 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 75 Resp: 165662
Ion Ratio Lower Upper
75 100
77 32.9 25.3 37.9

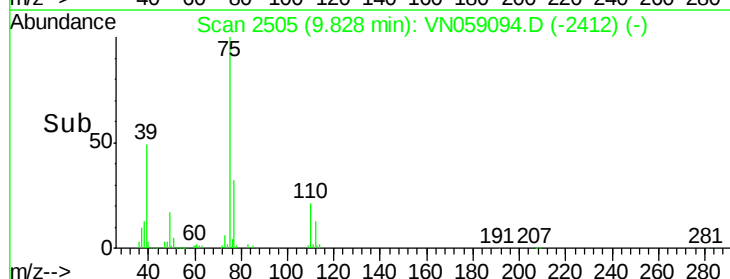
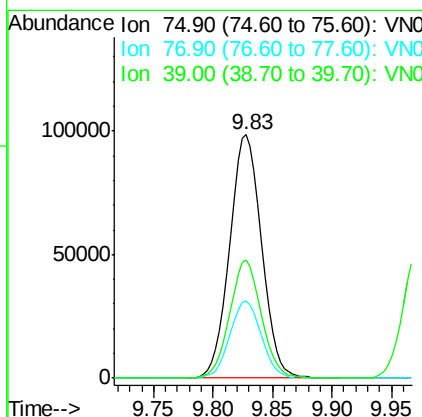
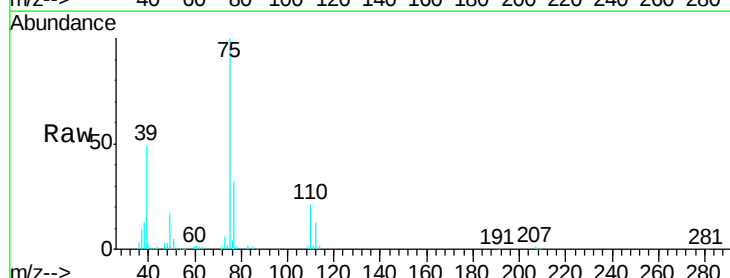
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#54
cis-1,3-Dichloropropene
Concen: 19.418 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 75 Resp: 183667
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 48.5 37.3 55.9





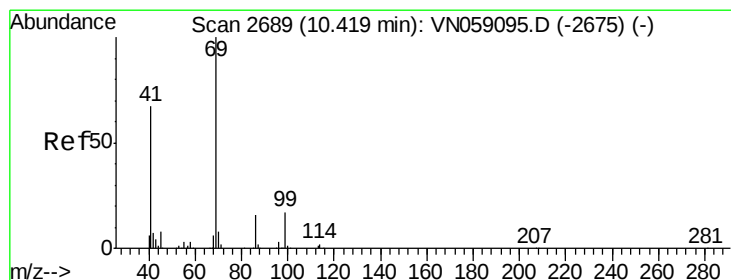
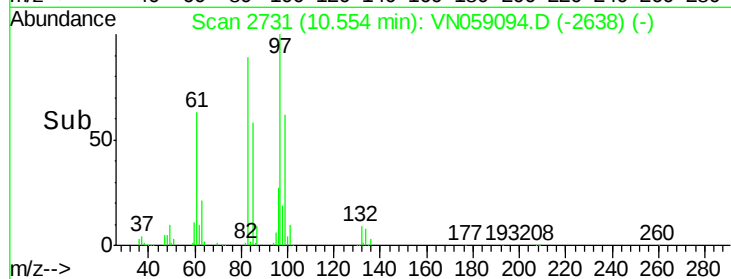
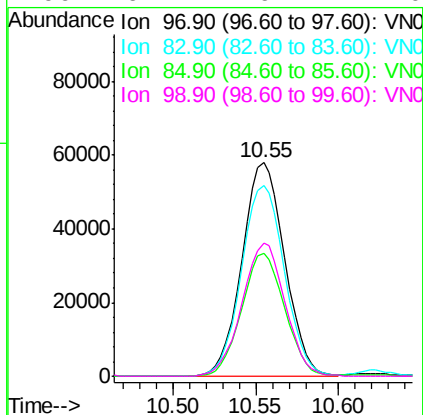
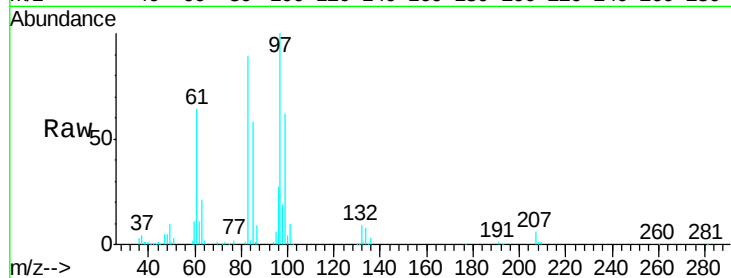
#55
 1,1,2-Trichloroethane
 Concen: 18.960 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	104099
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.0	106.4
85	57.6	45.8	68.8
99	62.2	49.4	74.0

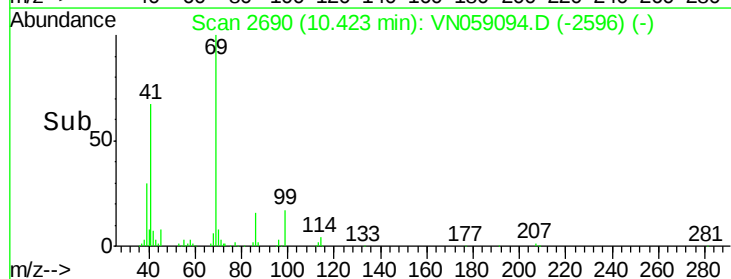
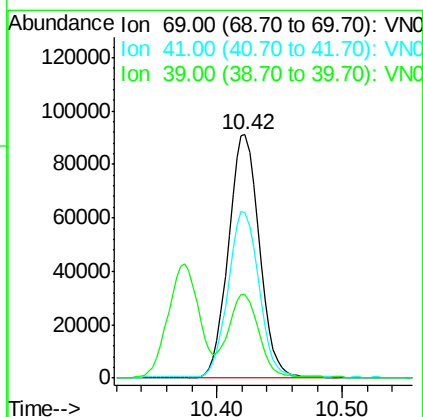
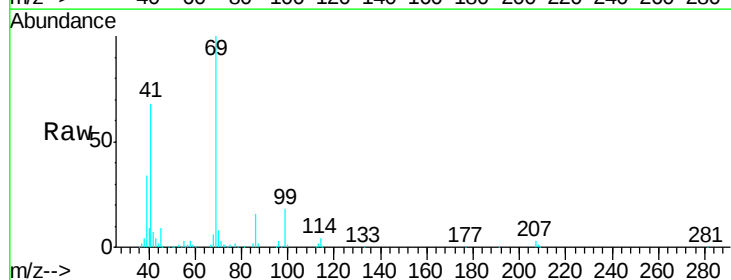
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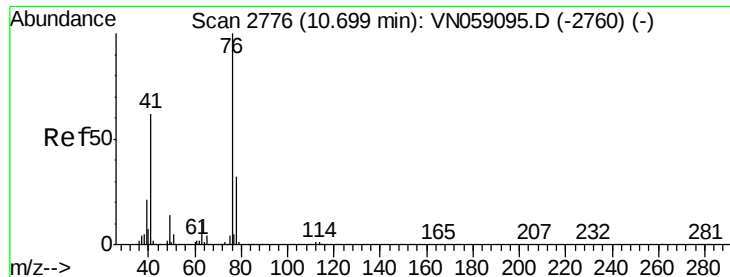
MMDadoda
 11/7/2019 9:16:07 AM



#56
 Ethyl methacrylate
 Concen: 18.997 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion:	69	Resp:	156817
Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.6	80.4
39	32.7	26.2	39.4





#57

1,3-Dichloropropane

Concen: 19.099 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 182107

Ion Ratio Lower Upper

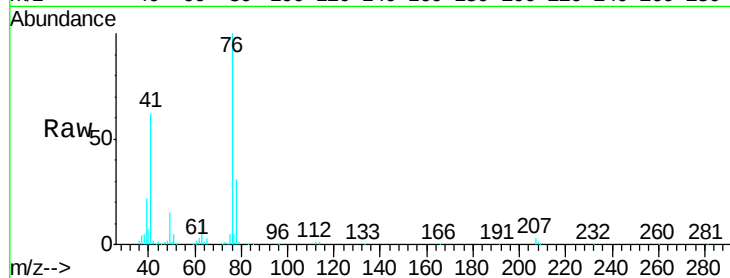
76 100

78 32.7 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

120000

100000

80000

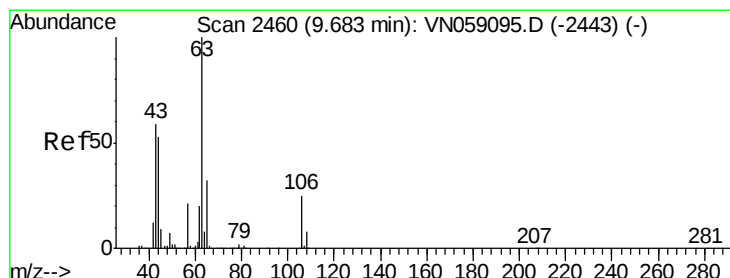
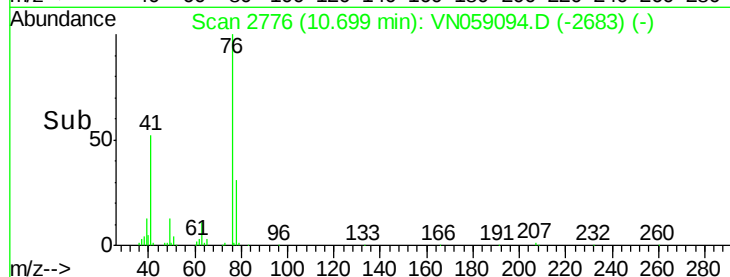
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 95.784 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059094.D

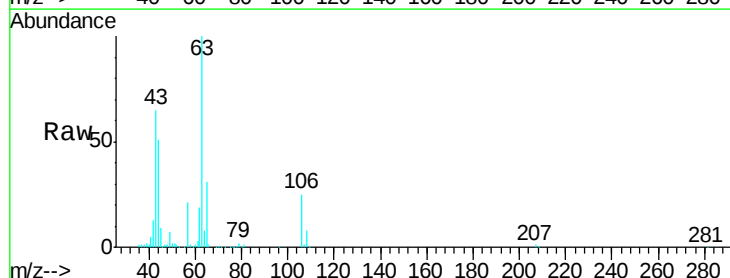
Acq: 6 Nov 2019 9:39

Tgt Ion: 63 Resp: 313810

Ion Ratio Lower Upper

63 100

106 24.8 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

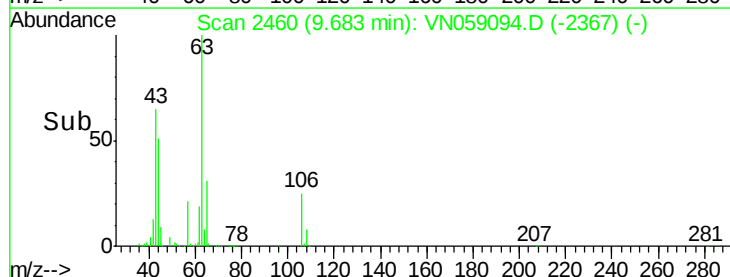
150000

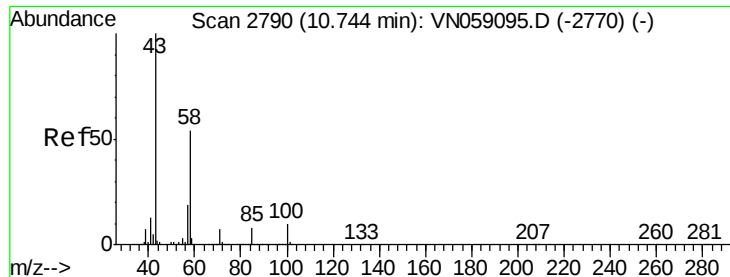
100000

50000

0

Time--> 9.60 9.70 9.80





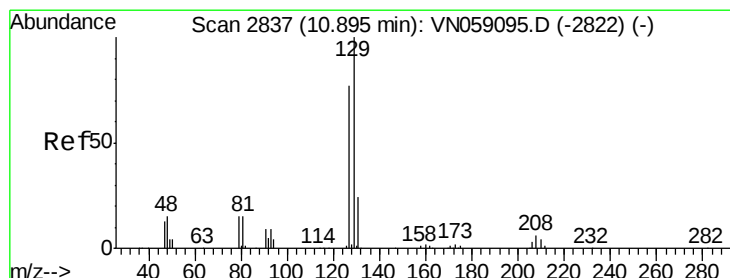
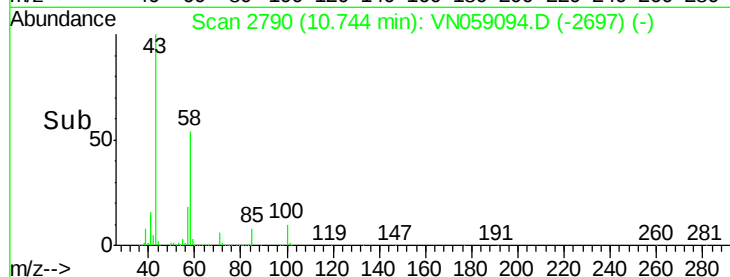
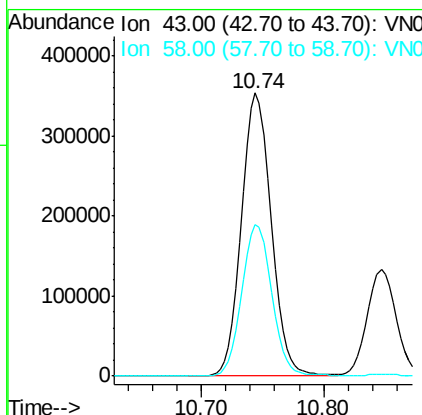
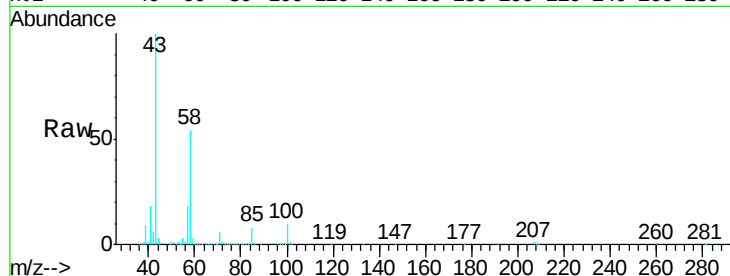
#59
2-Hexanone
Concen: 100.536 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 596051
Ion Ratio Lower Upper
43 100
58 53.9 27.3 81.8

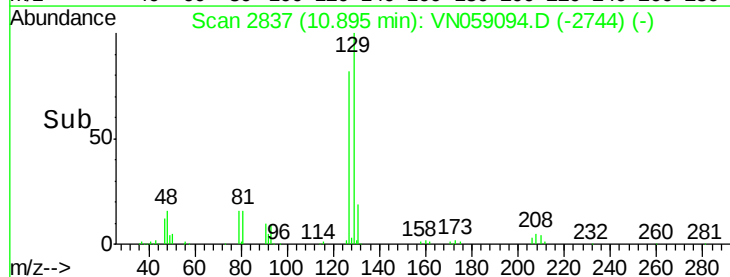
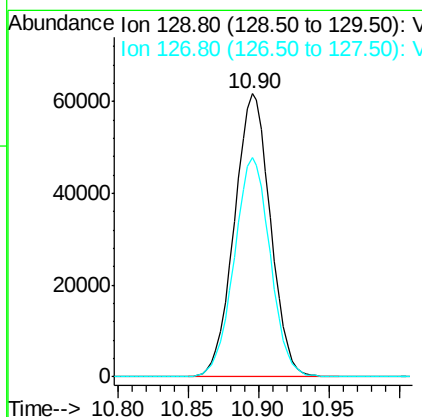
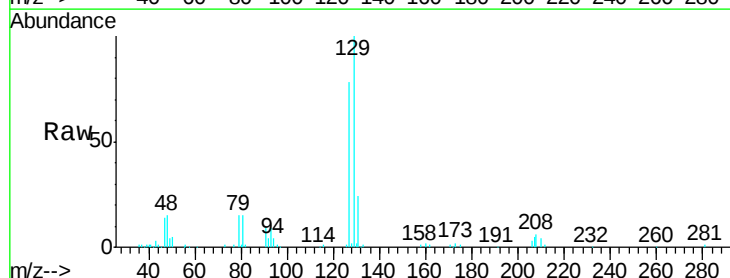
Manual Integrations
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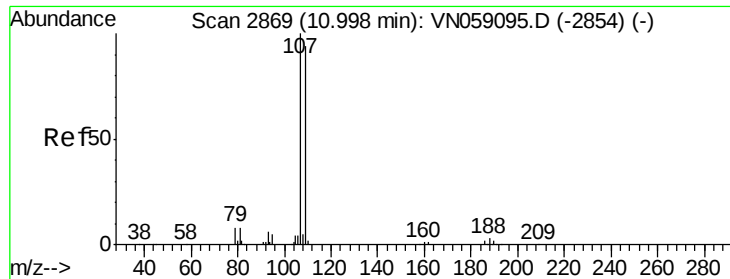
MMDadoda
11/7/2019 9:16:07 AM



#60
Dibromochloromethane
Concen: 18.760 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 129 Resp: 110608
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.032 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 105512

Ion Ratio Lower Upper

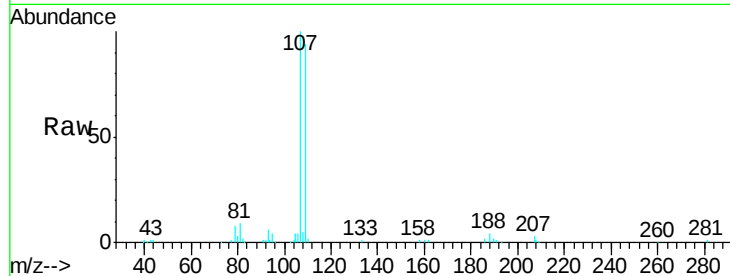
107 100

109 93.8 75.5 113.3

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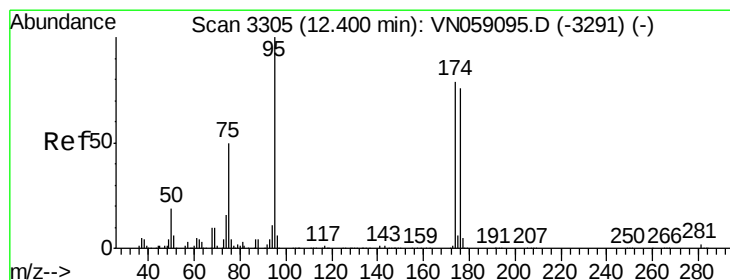
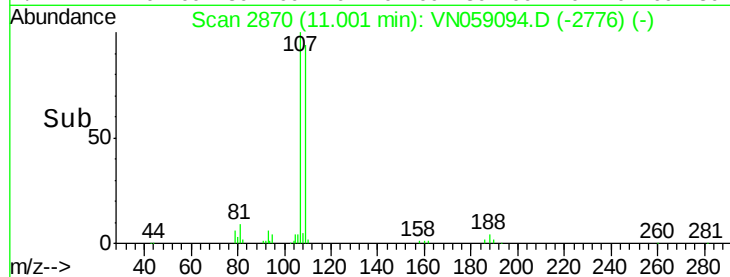
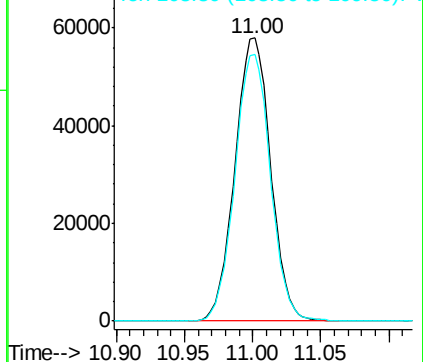
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.620 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

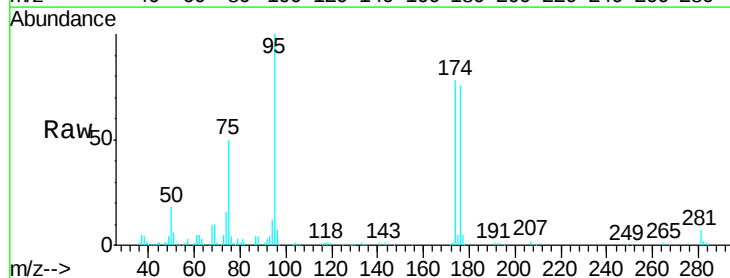
Tgt Ion: 95 Resp: 127759

Ion Ratio Lower Upper

95 100

174 79.7 0.0 158.2

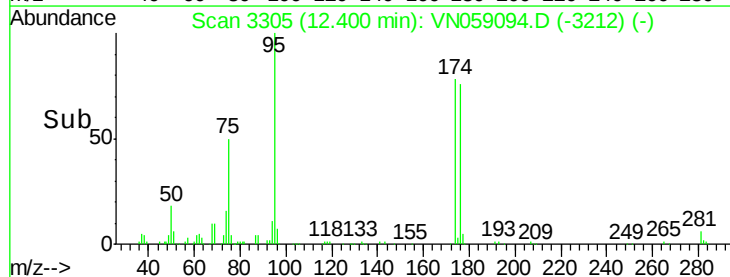
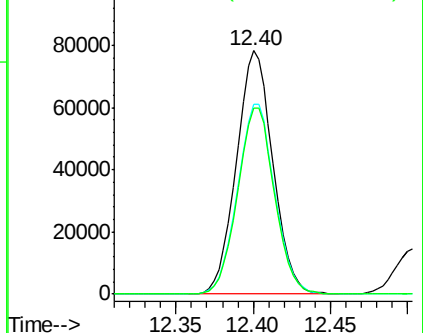
176 77.4 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





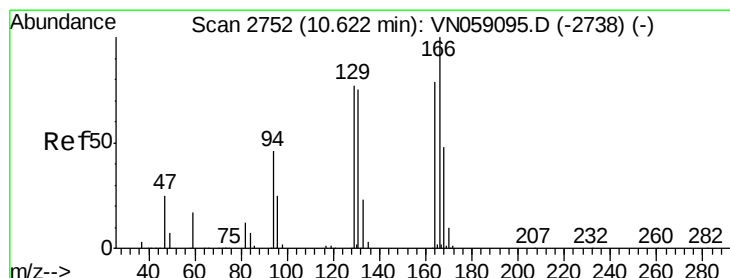
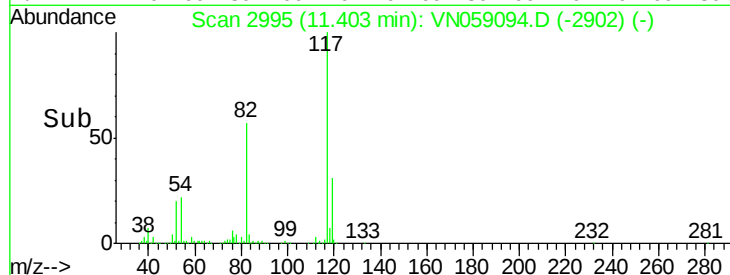
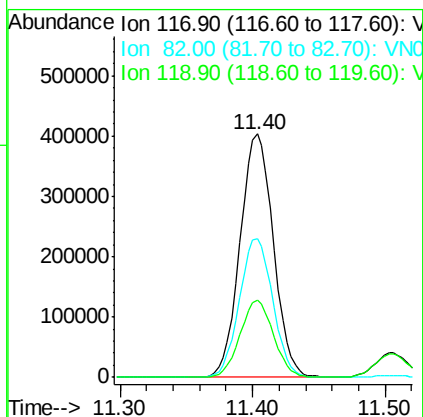
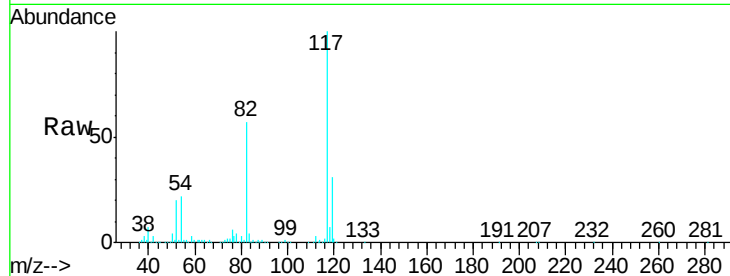
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	57.1	45.8	68.8
119	31.5	25.8	38.6

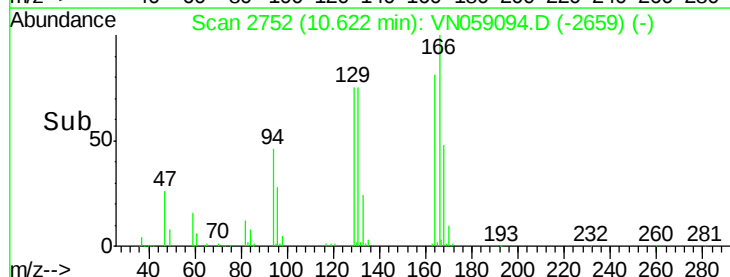
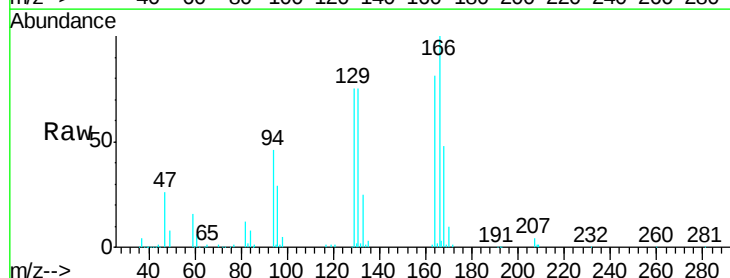
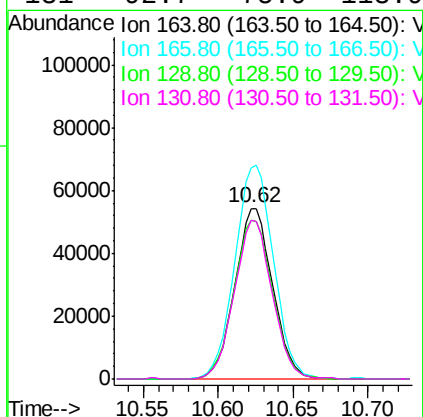
Manual Integrations
APPROVED

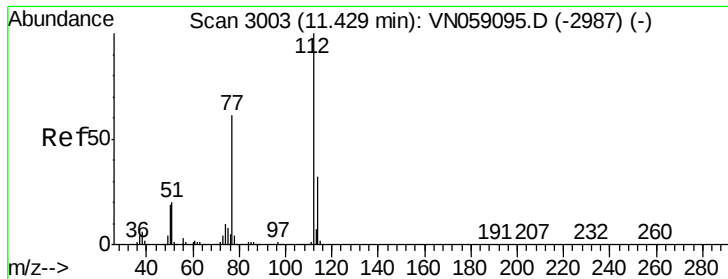
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#64
Tetrachloroethene
Concen: 19.480 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	123.6	101.5	152.3
129	93.0	78.3	117.5
131	92.7	75.9	113.9





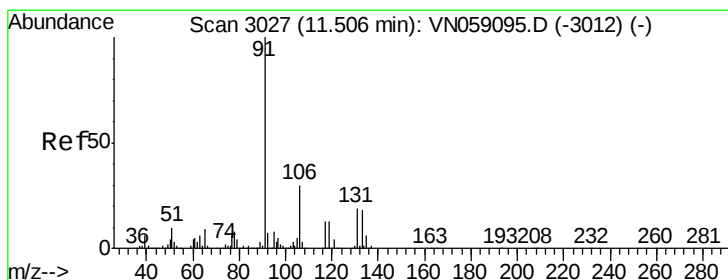
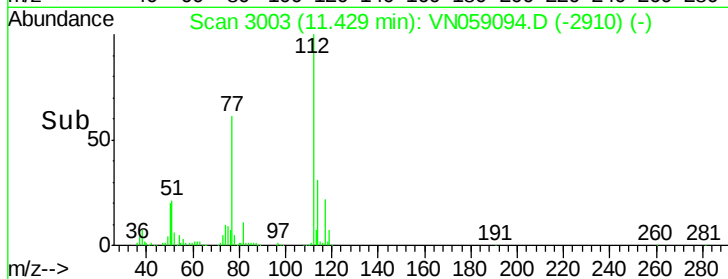
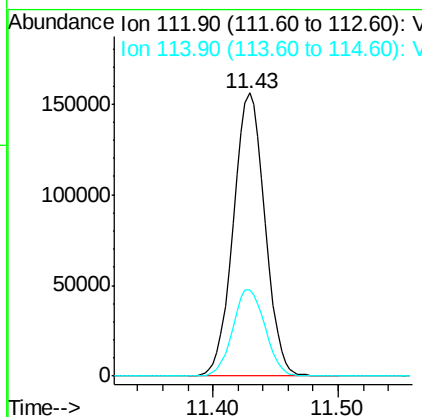
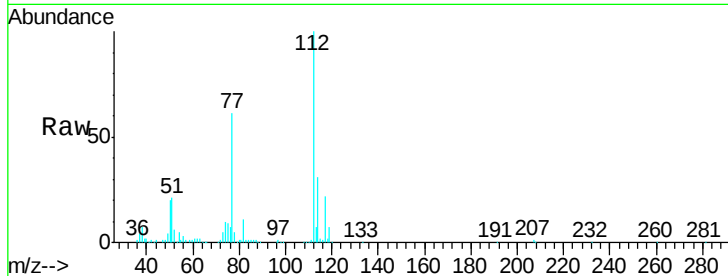
#65
Chlorobenzene
Concen: 18.979 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 272870
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8

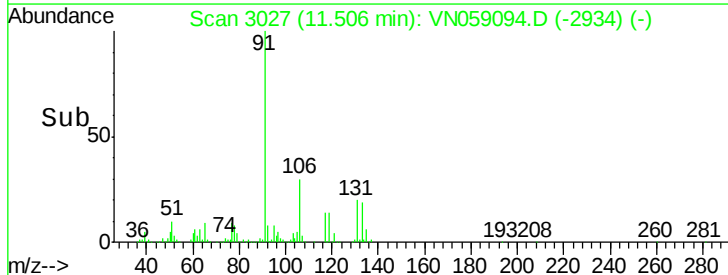
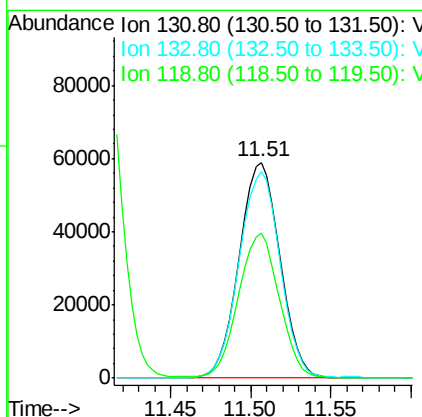
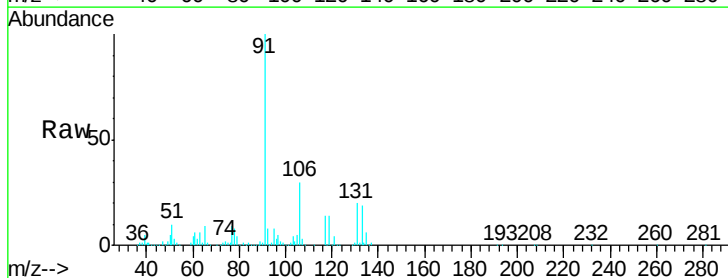
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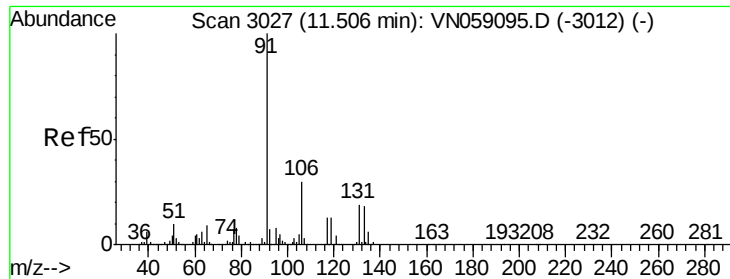
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:131 Resp: 102582
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.3
119 67.2 33.2 99.6





#67

Ethyl Benzene

Concen: 19.714 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 91 Resp: 490481

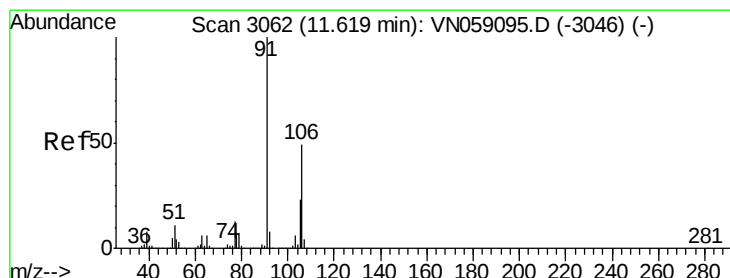
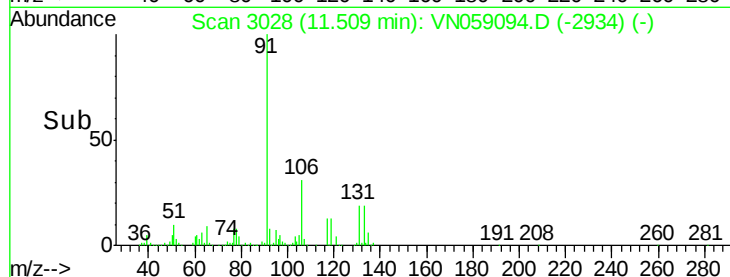
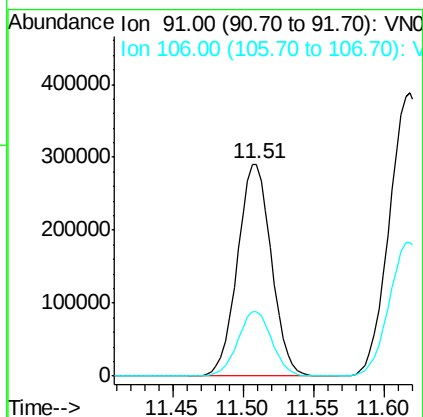
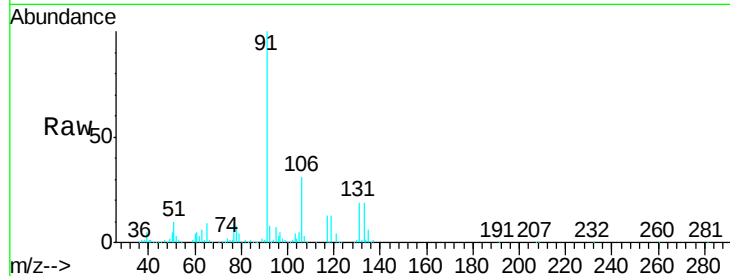
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.932 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059094.D

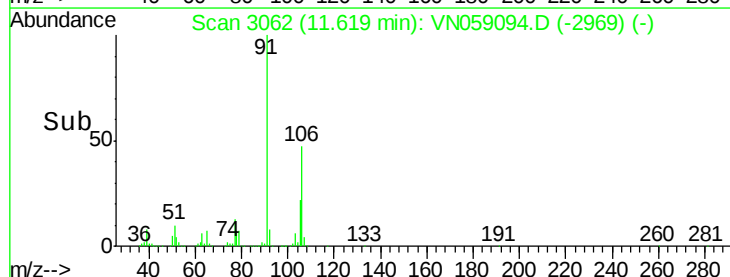
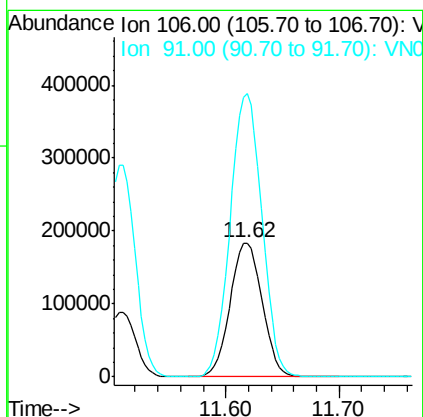
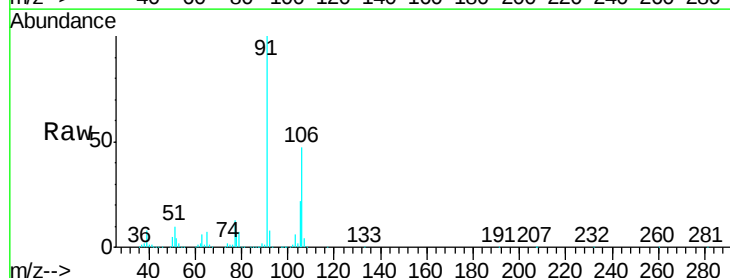
Acq: 6 Nov 2019 9:39

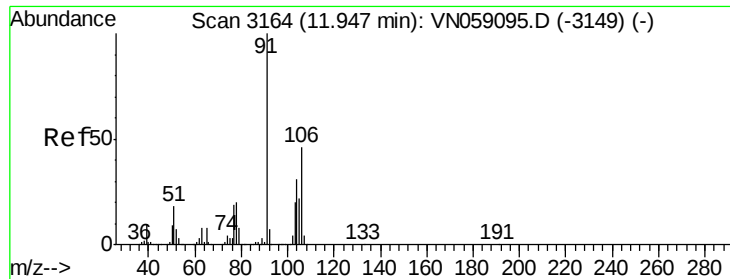
Tgt Ion: 106 Resp: 362216

Ion Ratio Lower Upper

106 100

91 209.0 164.7 247.1





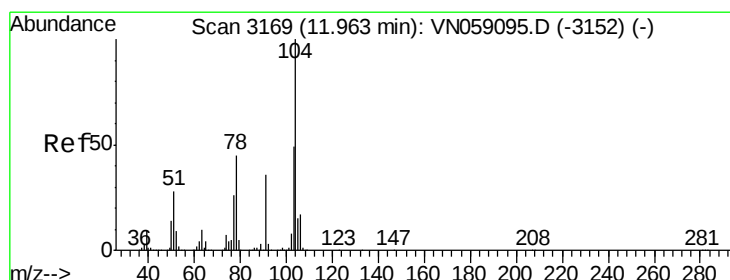
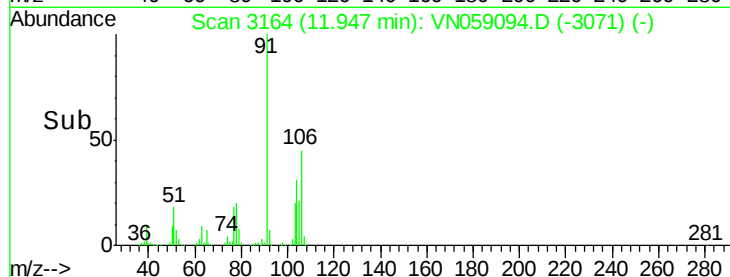
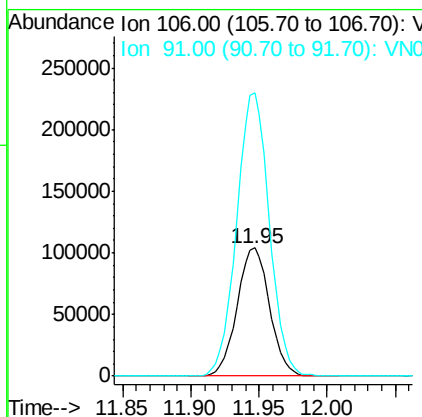
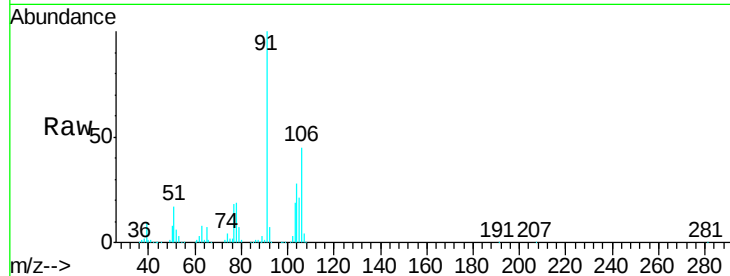
#69
o-Xylene
Concen: 19.453 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:106 Resp: 172684
Ion Ratio Lower Upper
106 100
91 220.5 110.1 330.3

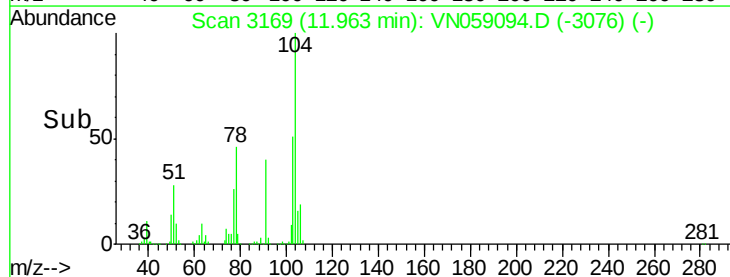
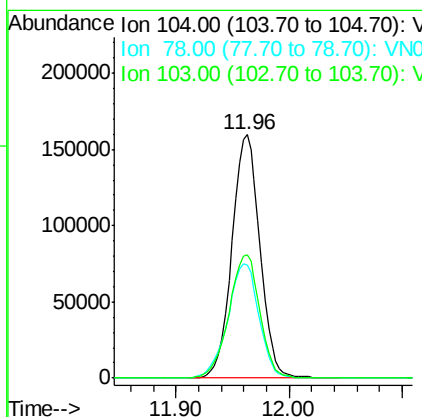
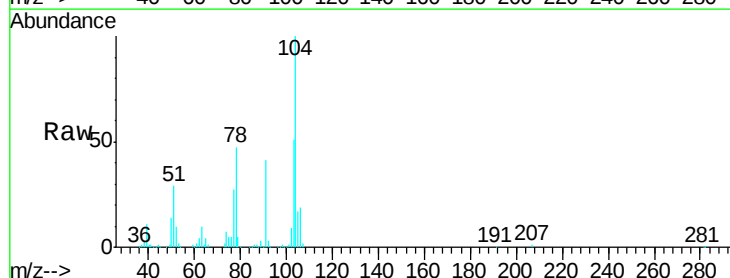
Manual Integrations
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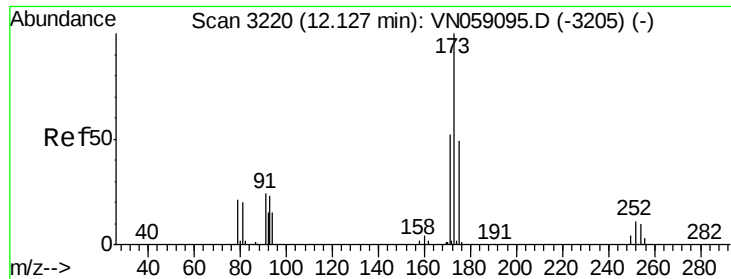
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#70
Styrene
Concen: 19.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:104 Resp: 275178
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.9 43.8 65.6





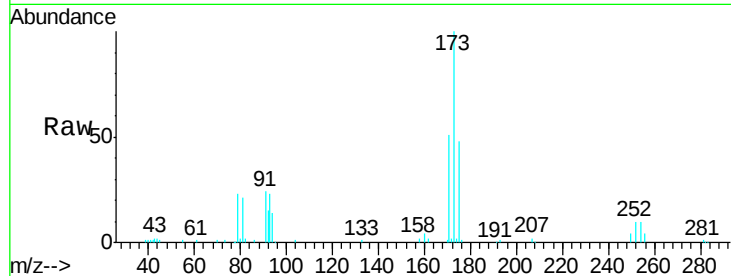
#71
Bromoform
Concen: 18.513 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

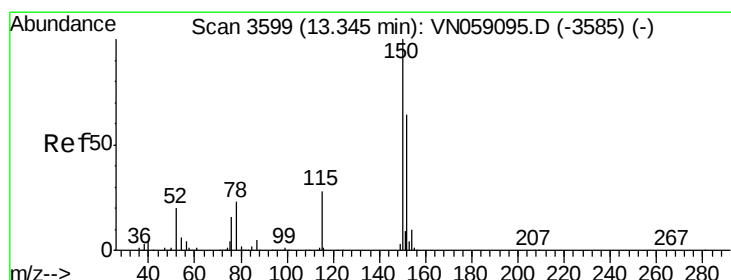
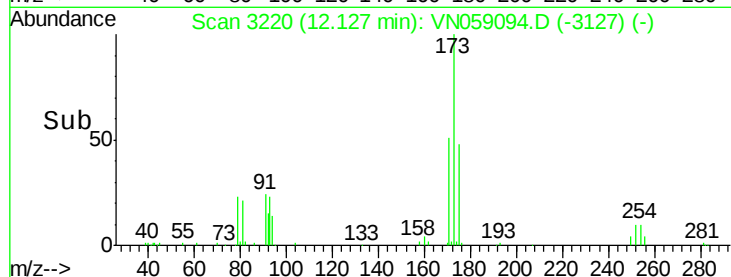
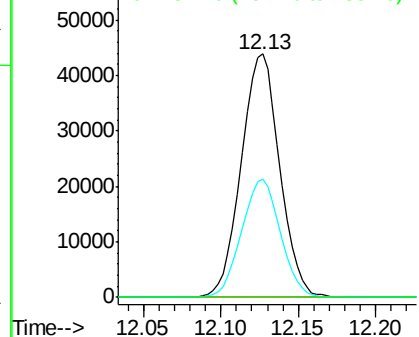
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1#

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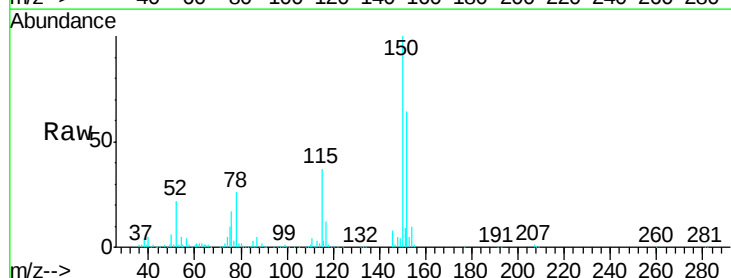


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

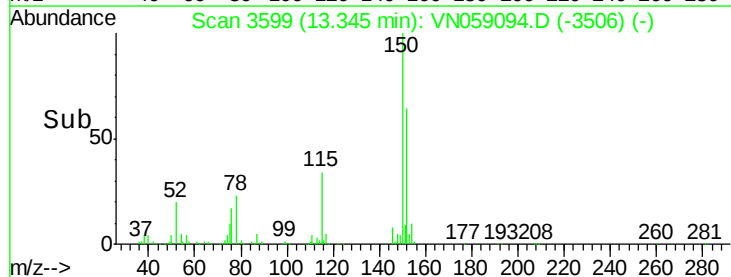
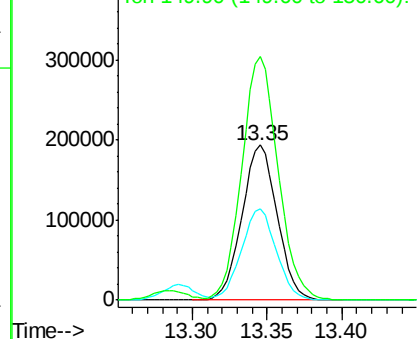


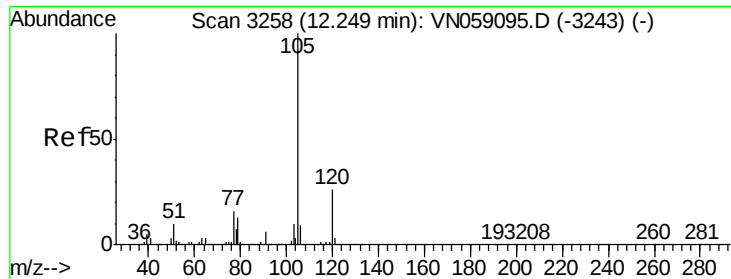
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.4	88.2
150	161.7	0.0	345.8



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





#73

Isopropylbenzene

Concen: 20.181 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 468751

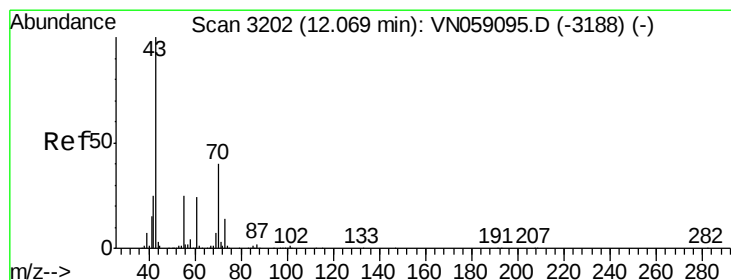
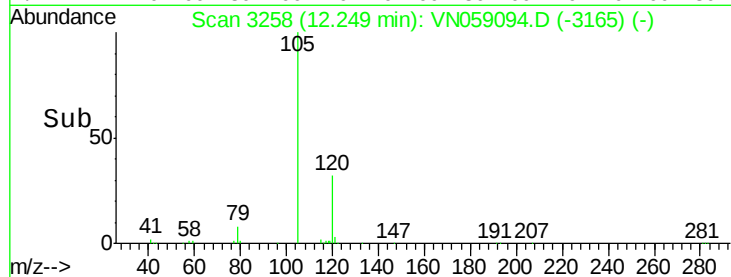
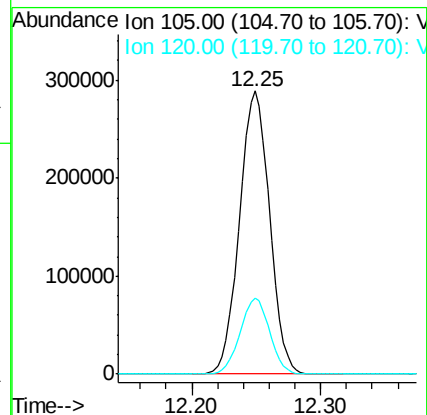
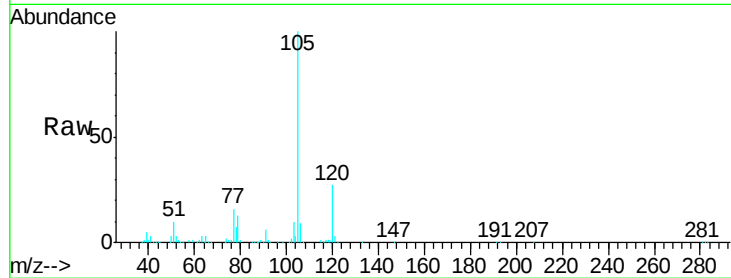
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3

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#74

N-ethyl acetate

Concen: 18.753 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion: 43 Resp: 192784

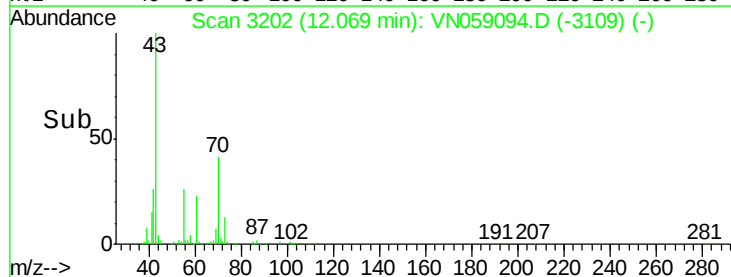
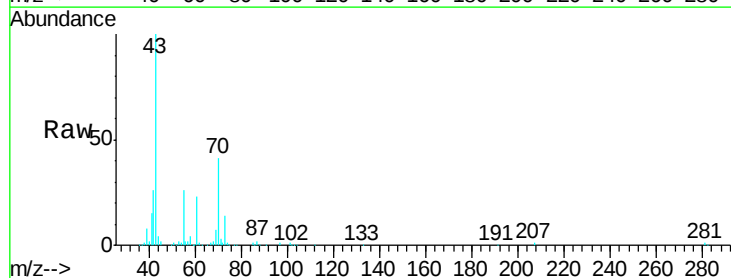
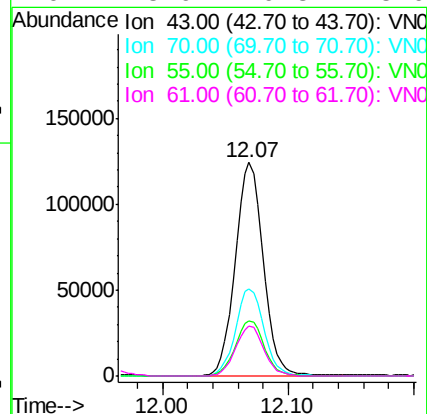
Ion Ratio Lower Upper

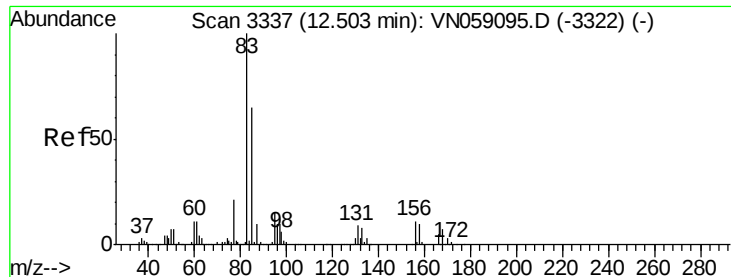
43 100

70 41.6 32.2 48.4

55 26.6 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

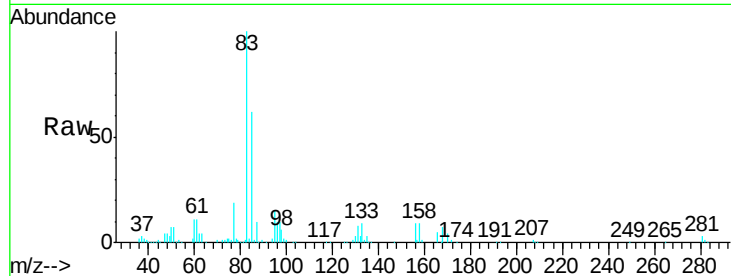
ClientSampleId :

VSTDIC020

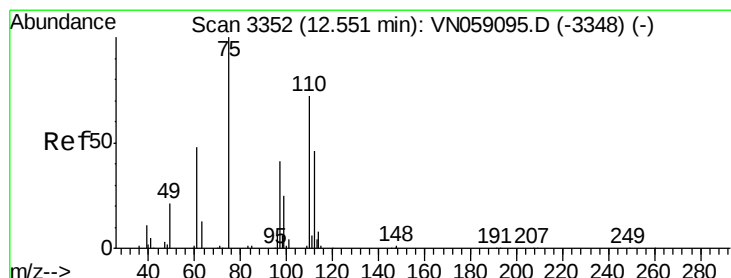
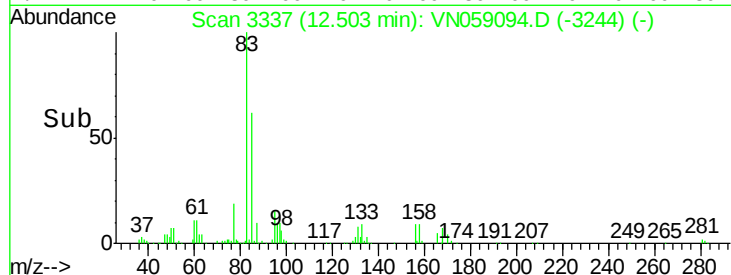
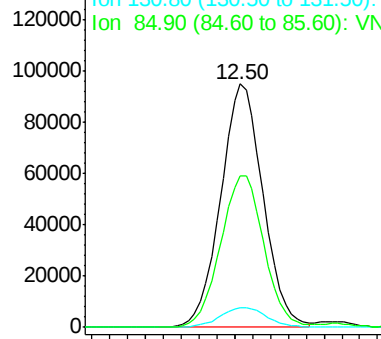
Tgt Ion:	83	Resp:	156929
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.6
85	64.1	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 18.825 ug/l m

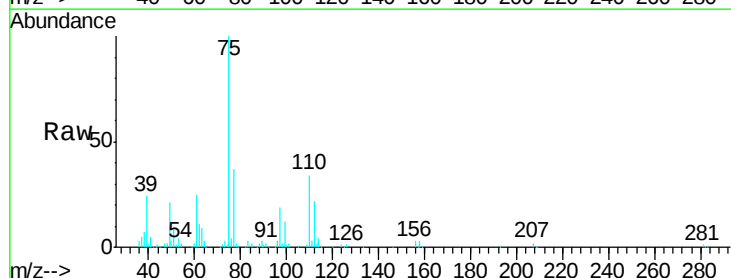
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

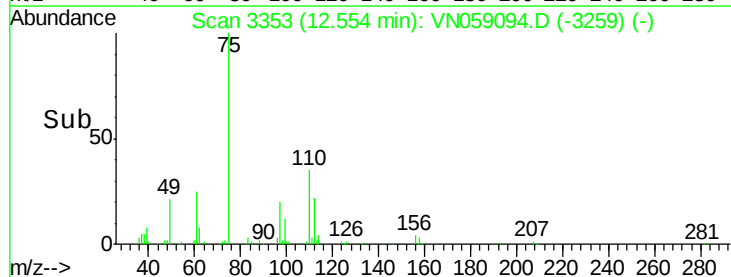
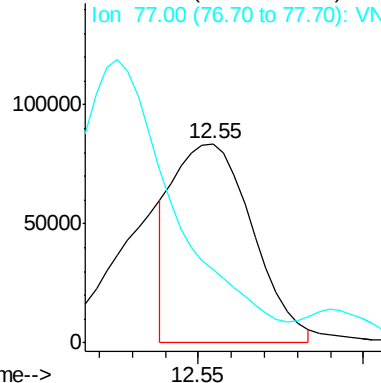
Lab File: VN059094.D

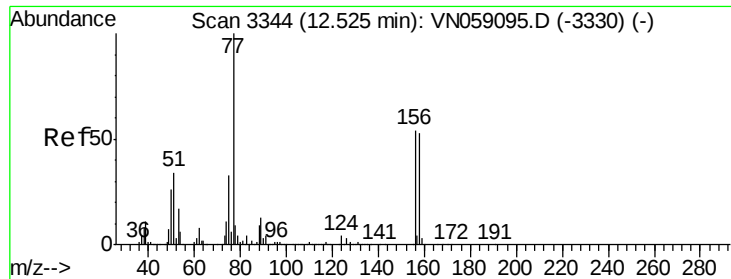
Acq: 6 Nov 2019 9:39

Tgt Ion:	75	Resp:	139232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)





#77

Bromobenzene

Concen: 19.275 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

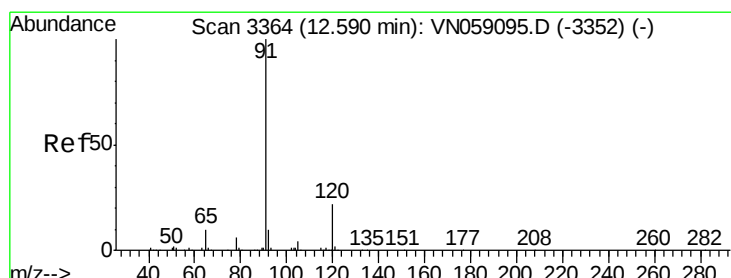
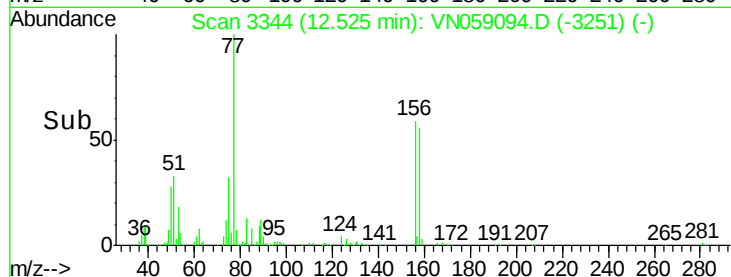
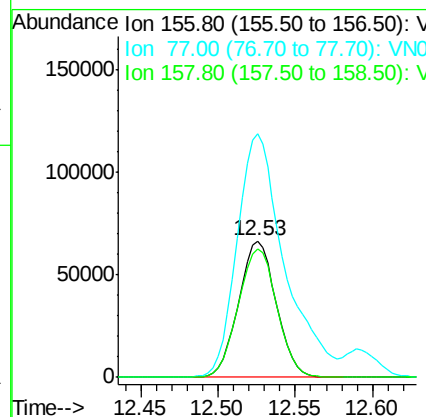
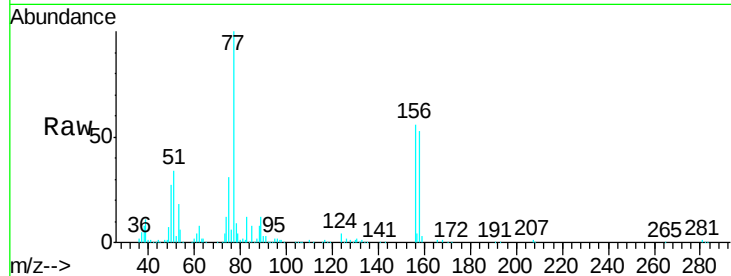
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	112331
Ion Ratio	Lower	Upper	
156	100		
77	226.4	112.8	338.3
158	97.3	48.4	145.3

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#78

n-propylbenzene

Concen: 20.054 ug/l

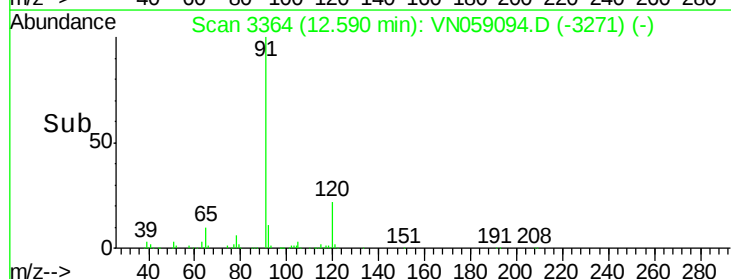
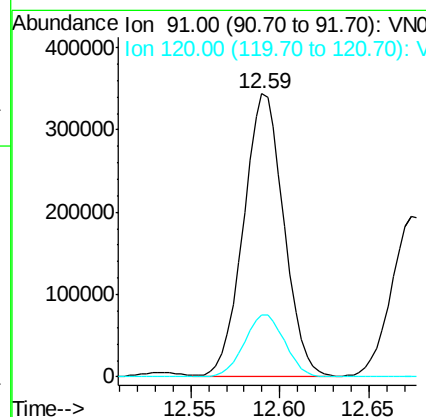
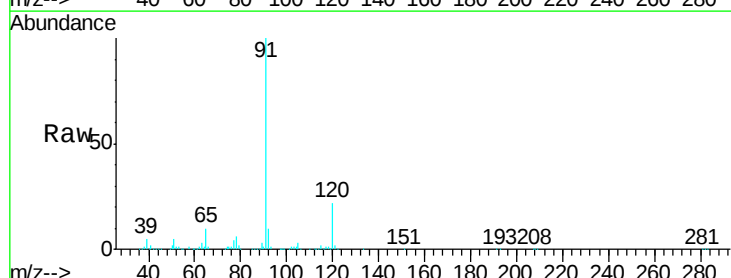
RT: 12.59 min Scan# 3364

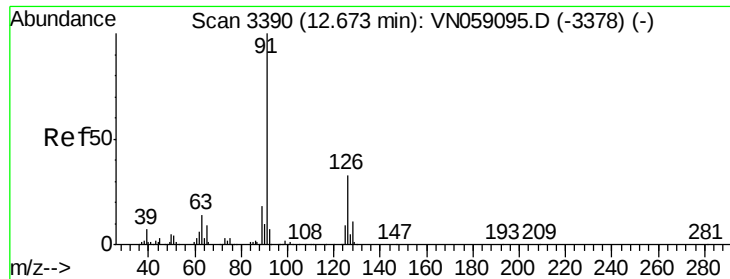
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:	91	Resp:	538327
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





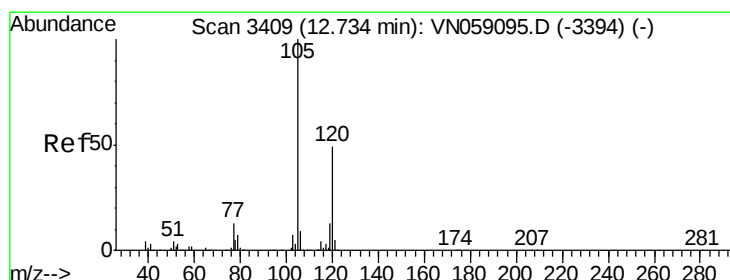
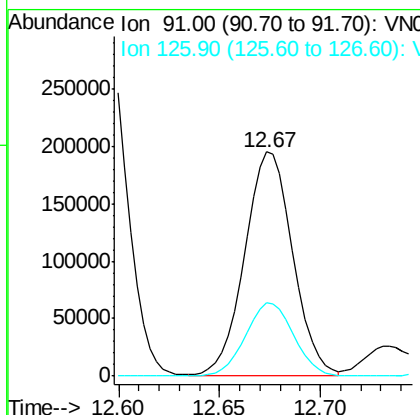
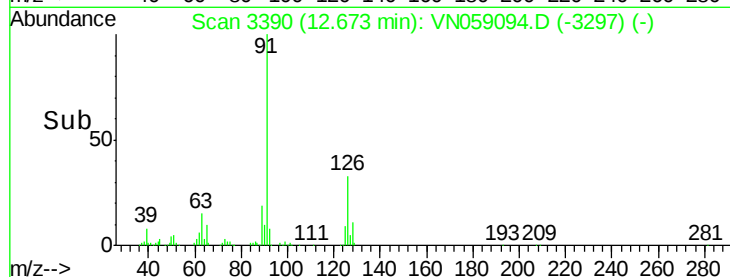
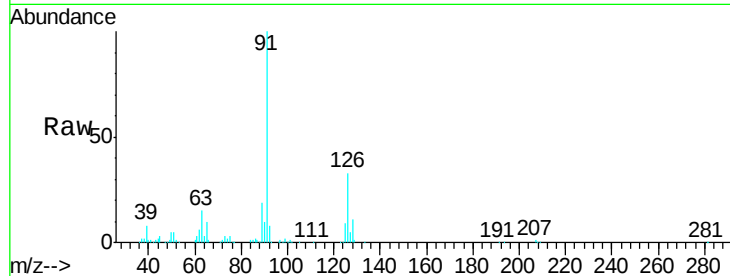
#79
2-Chlorotoluene
Concen: 19.346 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 91 Resp: 322470
Ion Ratio Lower Upper
91 100
126 33.2 16.7 50.1

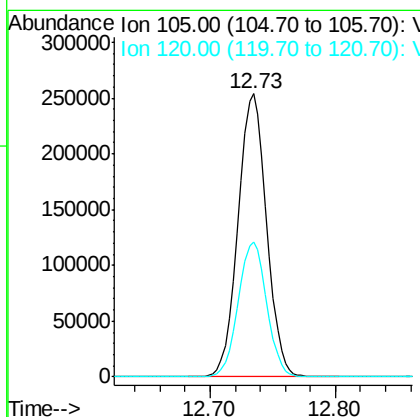
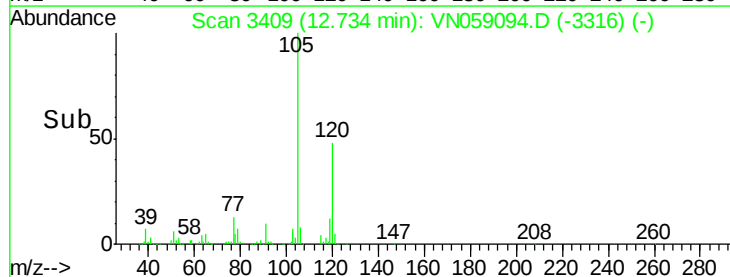
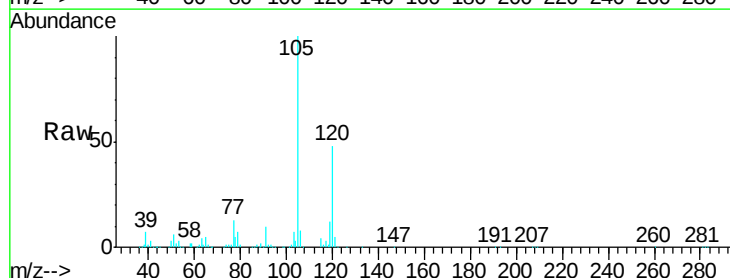
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#80
1,3,5-Trimethylbenzene
Concen: 20.167 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 105 Resp: 398366
Ion Ratio Lower Upper
105 100
120 47.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.407 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

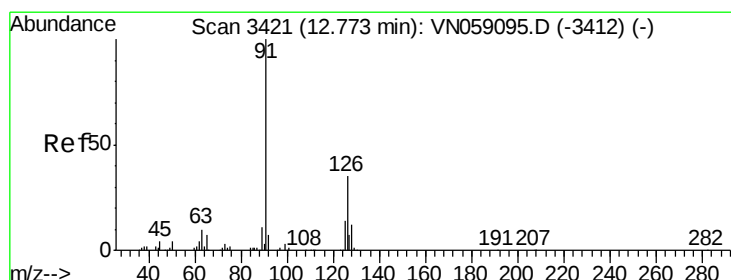
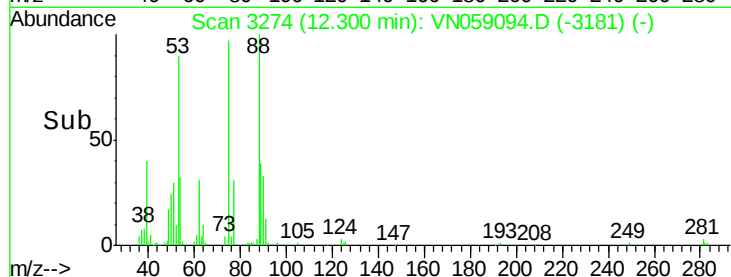
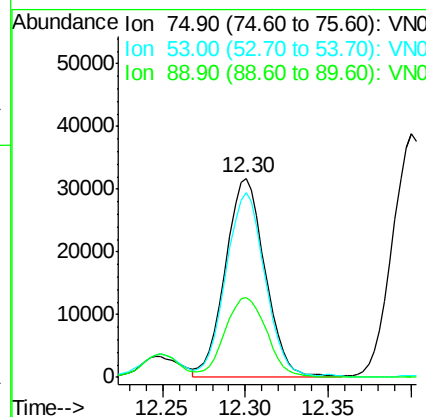
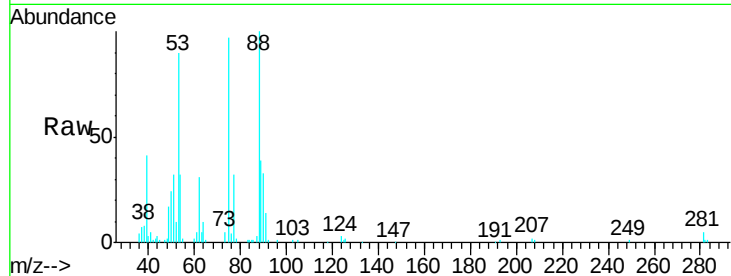
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	53084
Ion Ratio	Lower	Upper	
75	100		
53	89.6	72.2	108.2
89	41.9	35.8	53.8

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#82

4-Chlorotoluene

Concen: 19.387 ug/l

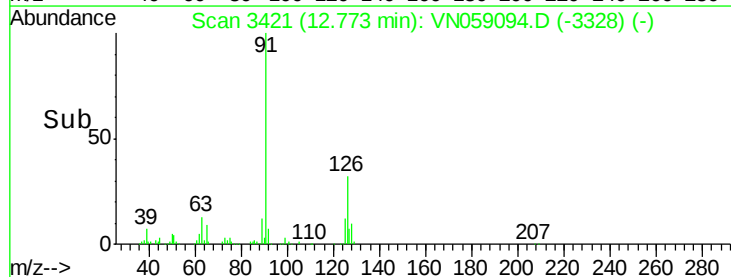
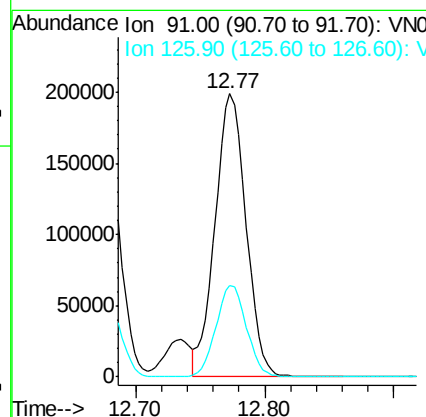
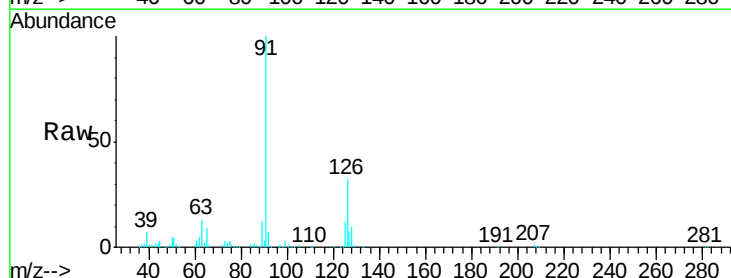
RT: 12.77 min Scan# 3421

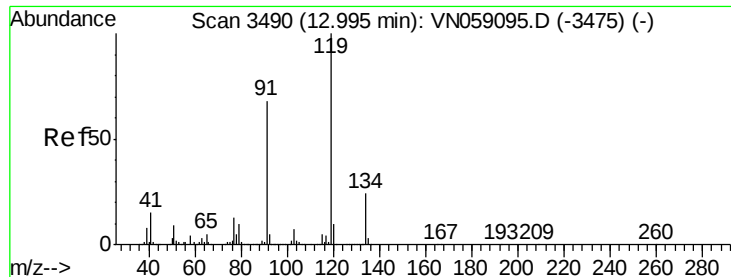
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:	91	Resp:	330122
Ion Ratio	Lower	Upper	
91	100		
126	32.0	16.1	48.2





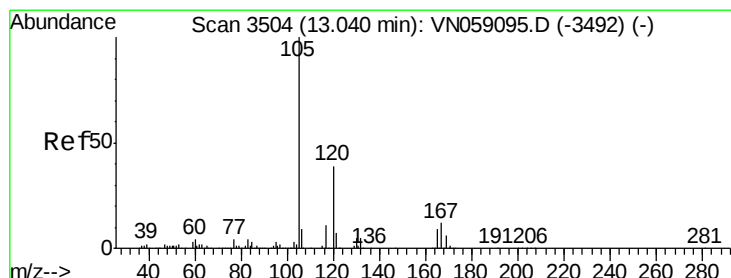
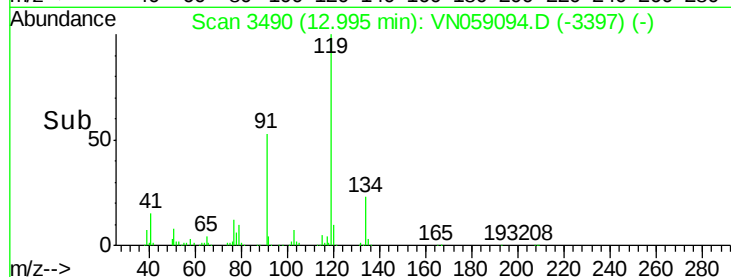
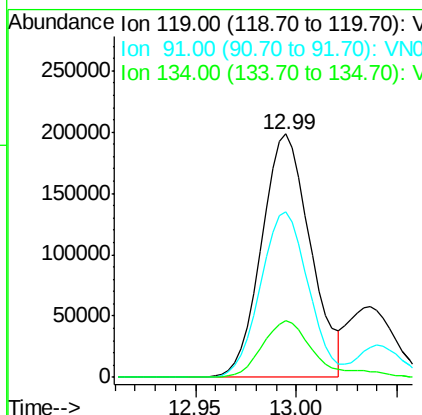
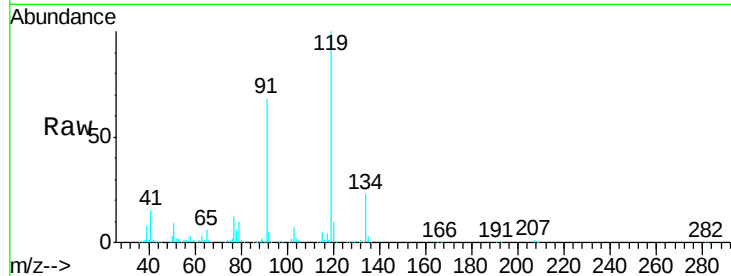
#83
 tert-Butylbenzene
 Concen: 19.885 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.2	99.6
134	25.1	12.7	38.1

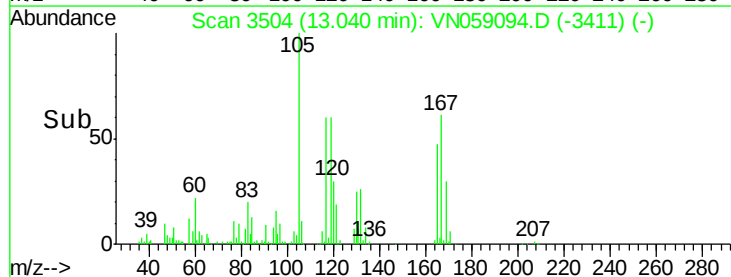
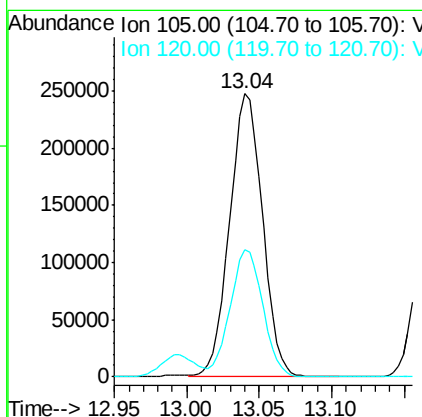
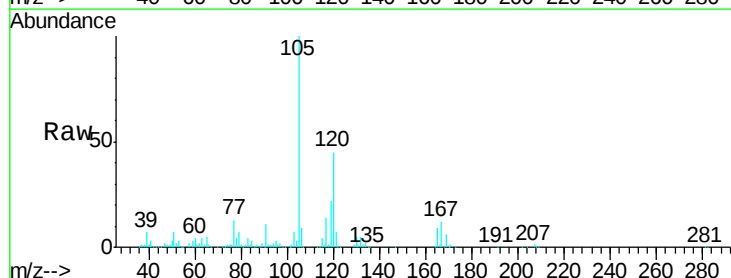
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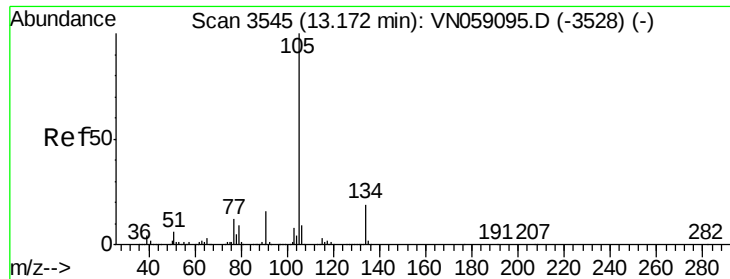
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.337 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.8	68.4





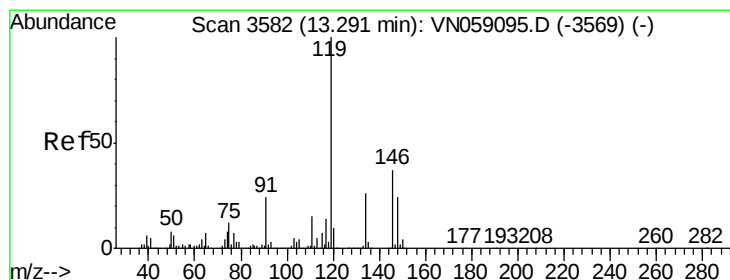
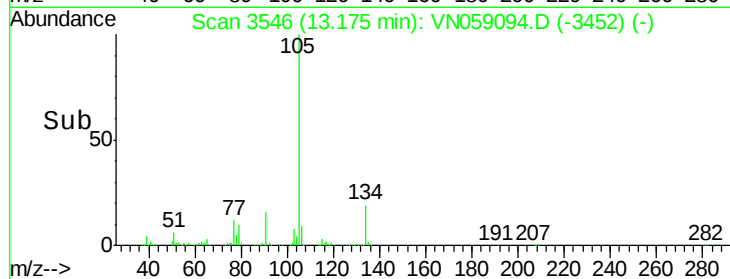
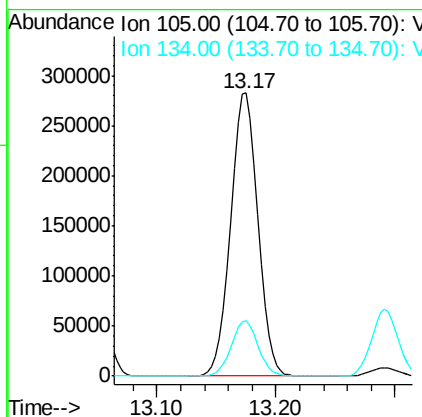
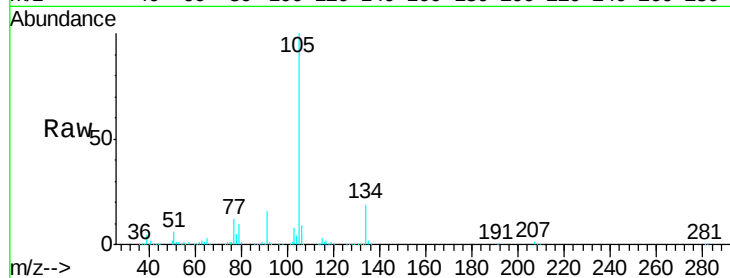
#85
 sec-Butylbenzene
 Concen: 20.306 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	446750		
134	19.4	9.7	29.1	

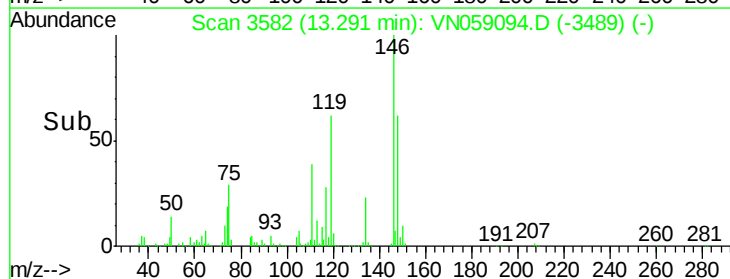
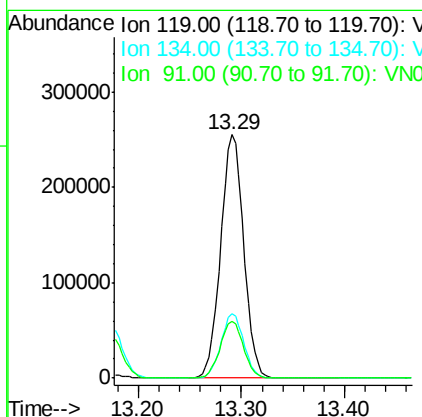
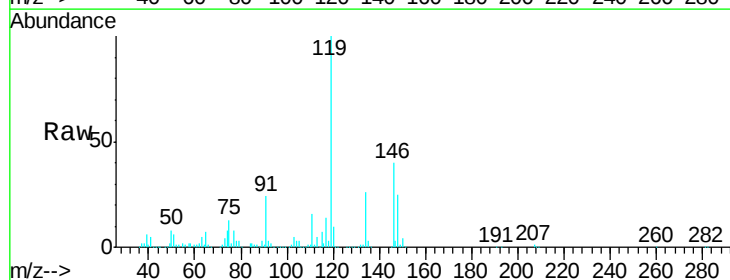
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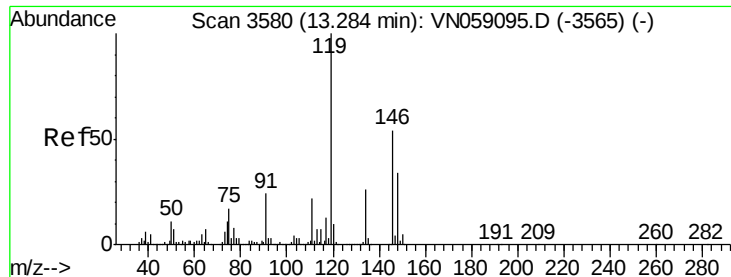
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#86
 p-Isopropyltoluene
 Concen: 20.014 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	396543		
134	26.1	13.0	38.9	
91	23.5	11.7	35.1	





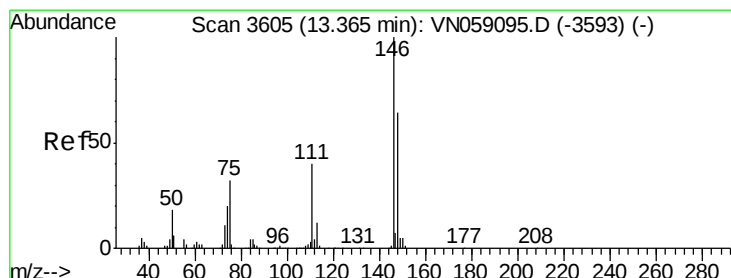
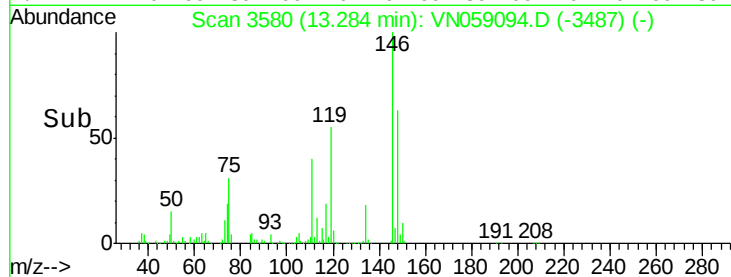
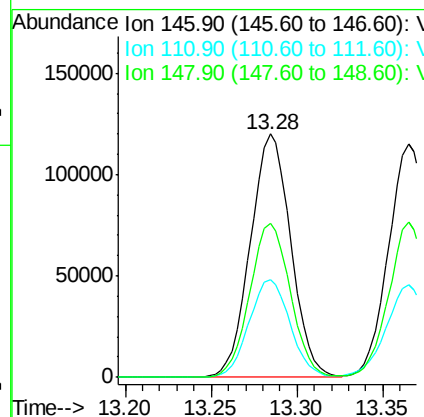
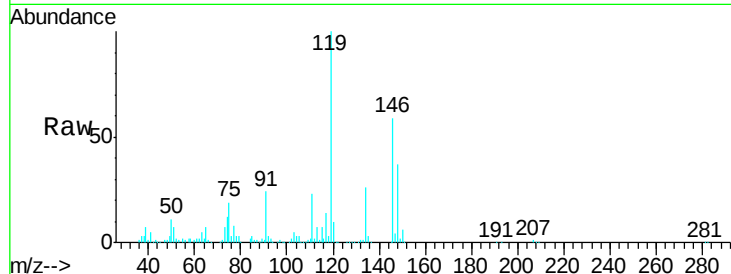
#87
 1,3-Dichlorobenzene
 Concen: 19.005 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196054		
111	40.6	20.4	61.3	
148	63.3	32.2	96.6	

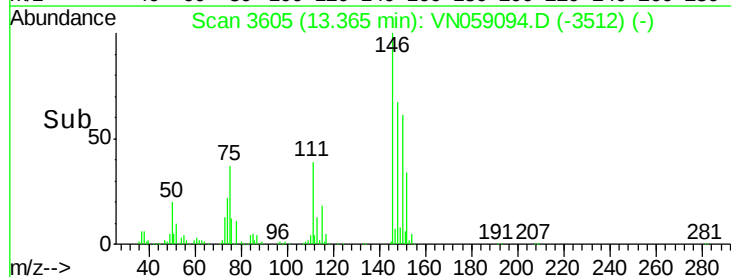
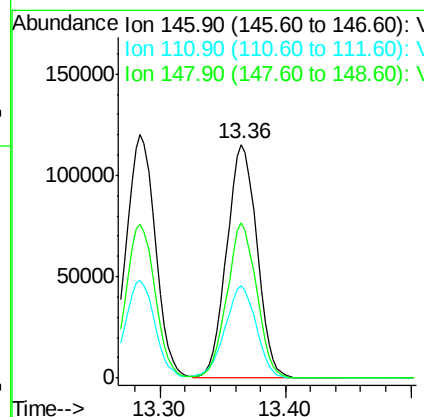
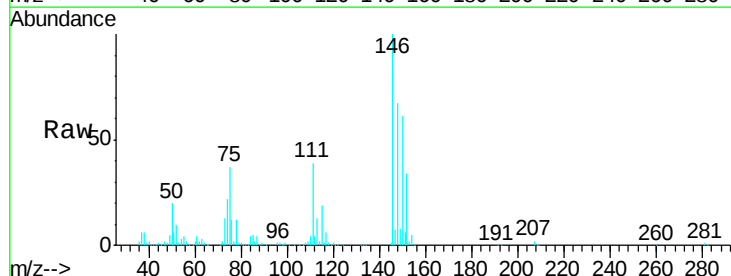
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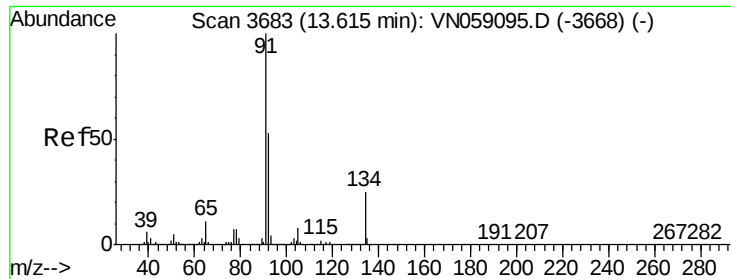
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#88
 1,4-Dichlorobenzene
 Concen: 18.838 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192018		
111	40.9	20.3	60.9	
148	64.9	31.9	95.7	





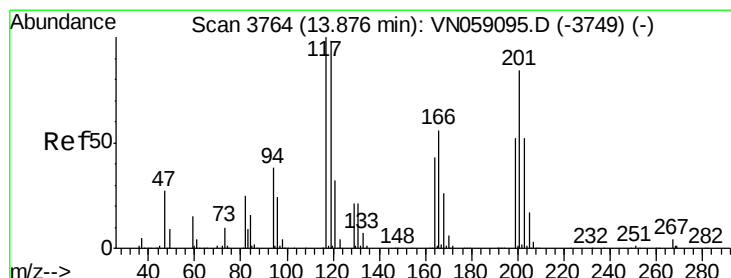
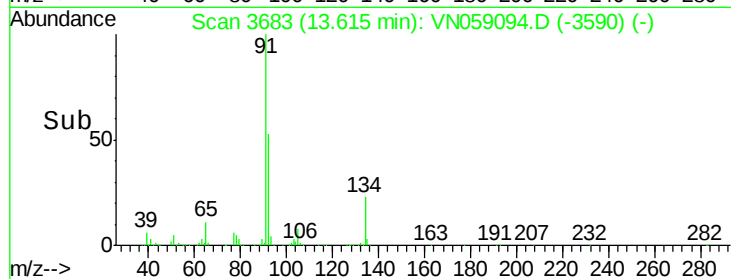
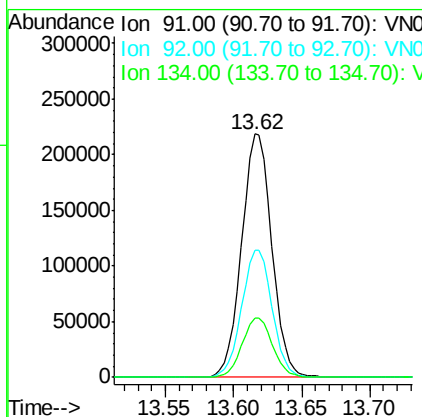
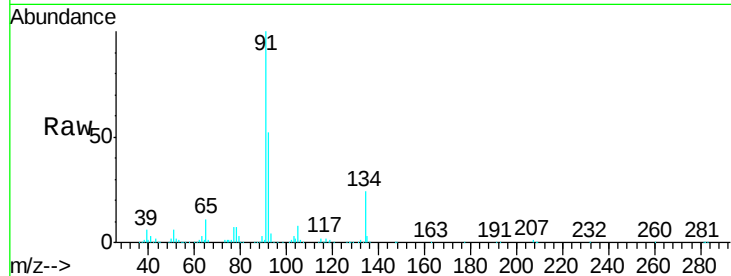
#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	24.6	12.6	37.8

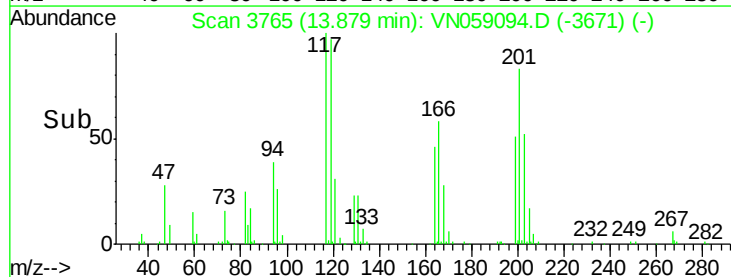
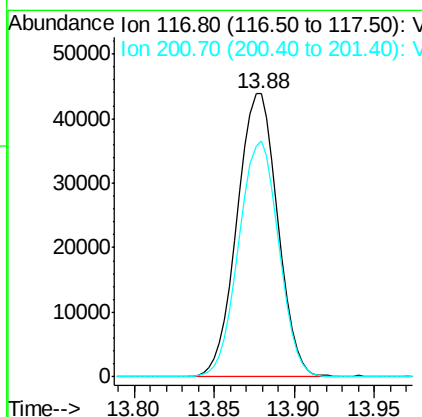
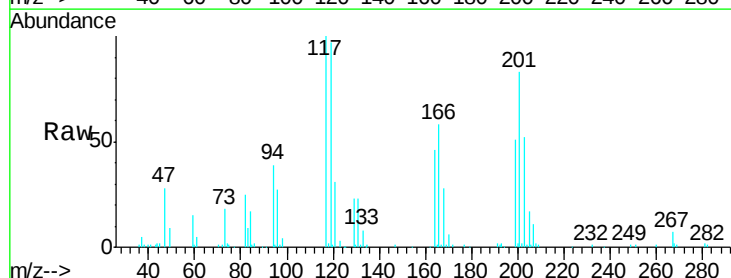
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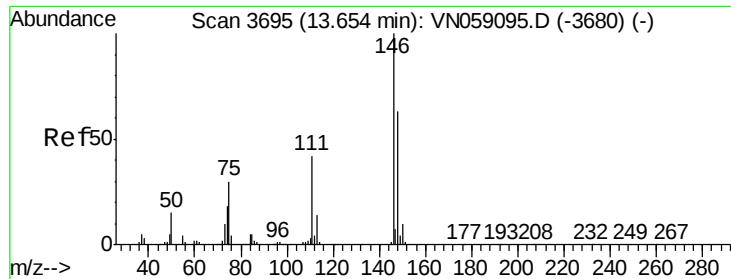
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#90
Hexachloroethane
Concen: 19.303 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.8	125.3





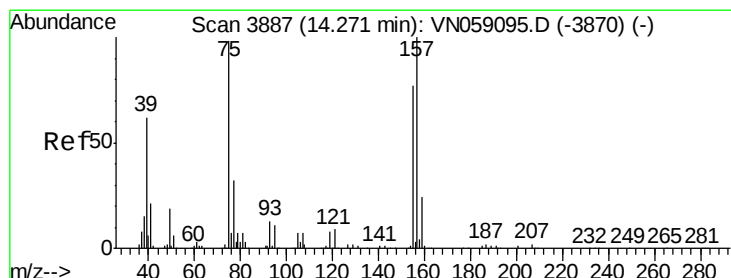
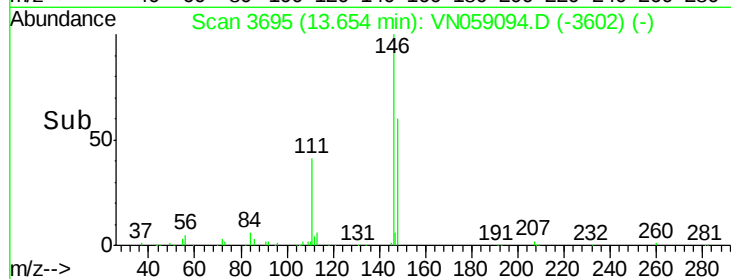
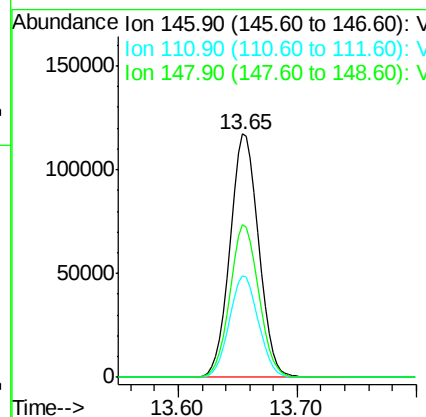
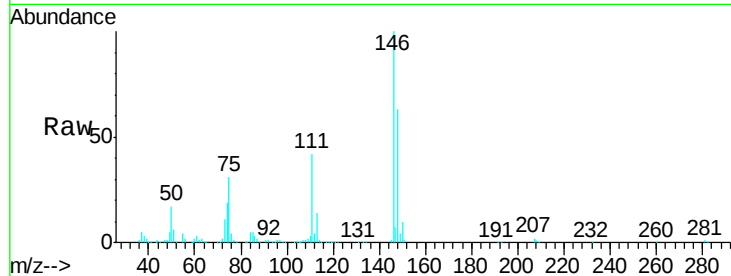
#91
 1,2-Dichlorobenzene
 Concen: 19.002 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195541		
111	42.3	21.2	63.6	
148	63.1	31.6	94.7	

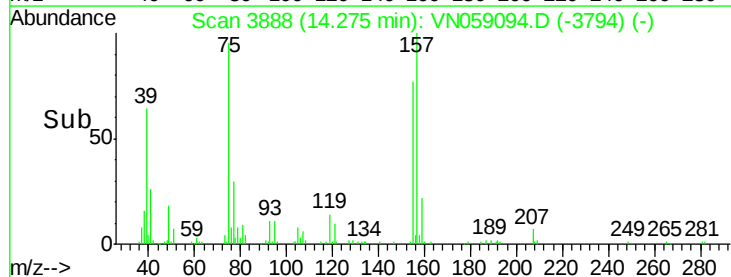
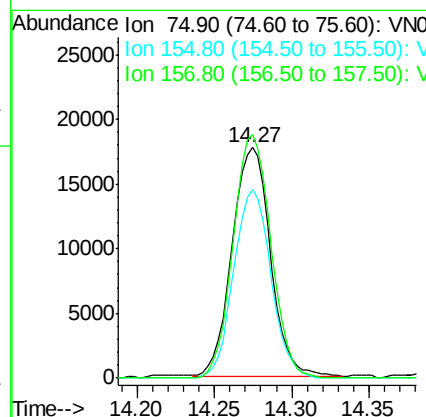
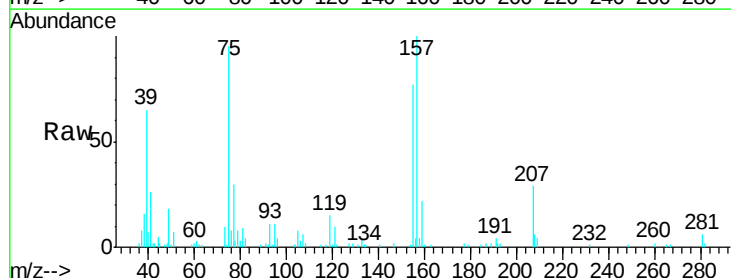
Manual Integrations
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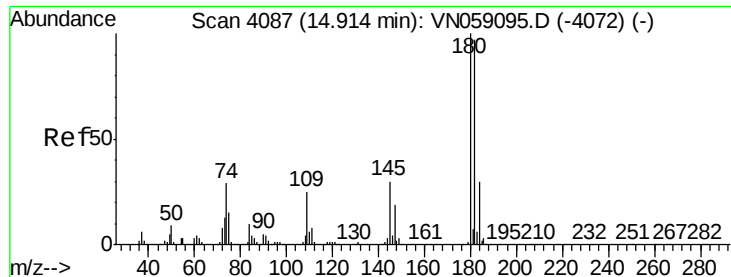
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.037 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30398		
155	80.1	40.2	120.6	
157	104.8	51.8	155.5	





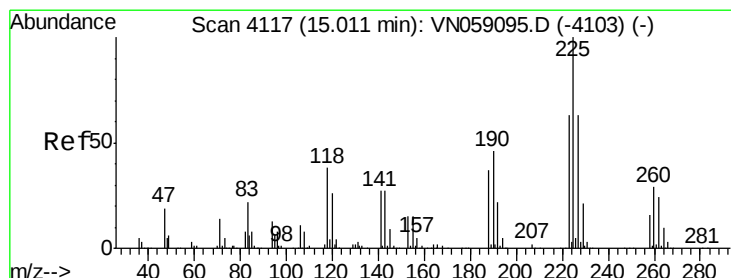
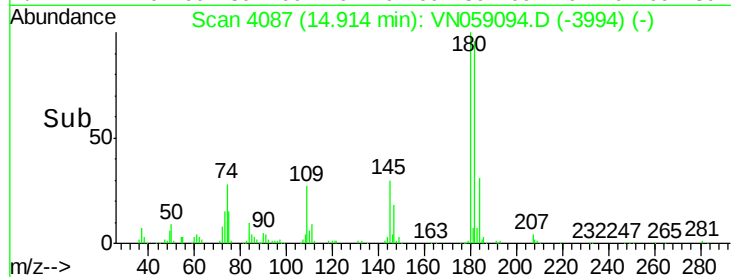
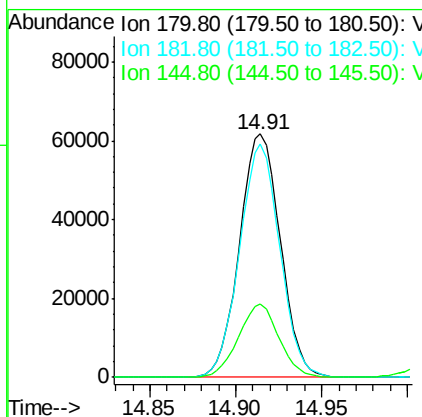
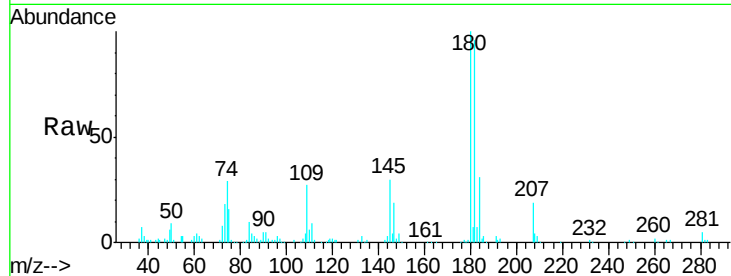
#93
1,2,4-Trichlorobenzene
Concen: 18.442 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101762		
182	94.4	48.1	144.3	
145	29.8	15.1	45.3	

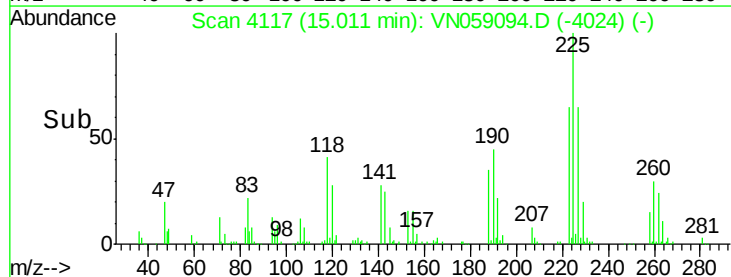
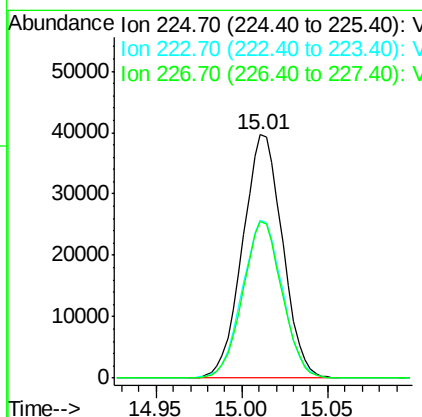
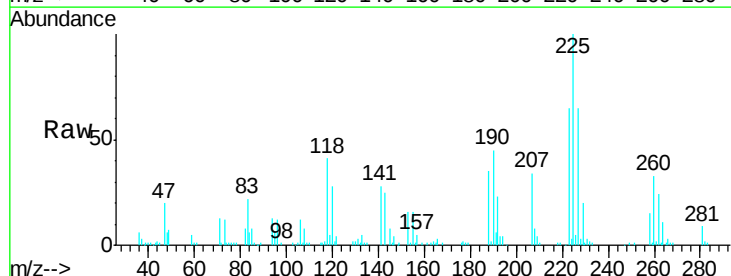
Manual Integrations
APPROVED

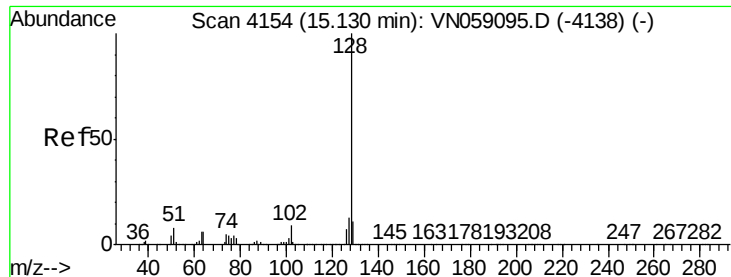
MMDadoda
11/7/2019 9:16:07 AM



#94
Hexachlorobutadiene
Concen: 19.187 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63967		
223	65.2	31.3	93.9	
227	63.1	31.5	94.5	





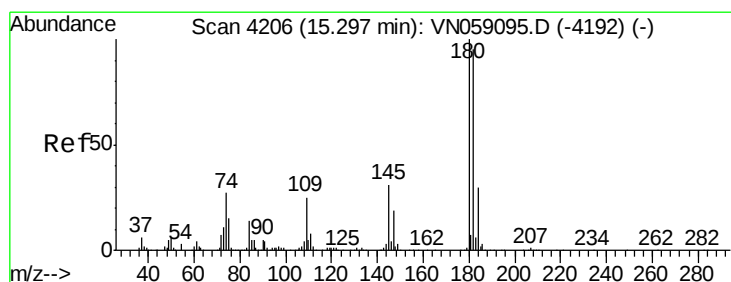
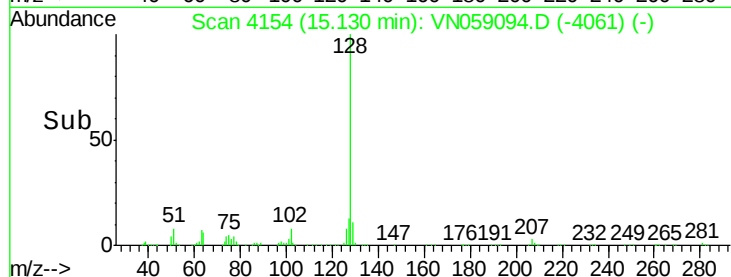
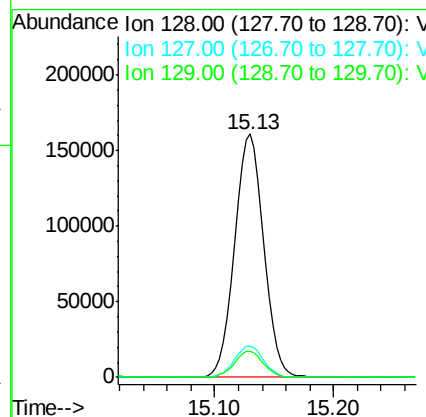
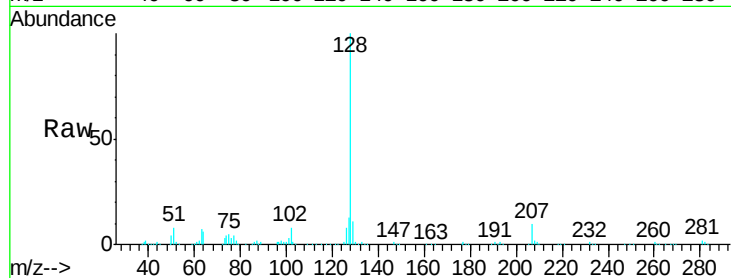
#95
Naphthalene
Concen: 18.049 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	272857		
127	12.8	10.2	15.2	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.555 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104711		
182	93.6	47.3	141.8	
145	31.6	15.8	47.3	

