

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059276.D
 Acq On : 18 Nov 2019 12:26
 Operator : JC/SP
 Sample : VN1118WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:01:43 AM

Quant Time: Nov 18 14:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	372054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	581807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	529949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	229681	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.57	113	187015	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.08	98	693121	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	254402	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	69635	18.576	ug/l	98
3) Chloromethane	2.04	50	94176	18.482	ug/l	99
4) Vinyl Chloride	2.17	62	94322	19.092	ug/l	99
5) Bromomethane	2.54	94	58083	20.431	ug/l	100
6) Chloroethane	2.68	64	58207	19.917	ug/l	100
7) Trichlorofluoromethane	3.00	101	124302	21.036	ug/l	99
8) Diethyl Ether	3.39	74	54393	22.654	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78254	21.964	ug/l	100
10) Methyl Iodide	3.93	142	92329	20.936	ug/l	99
11) Tert butyl alcohol	4.75	59	98753	113.299	ug/l	99
12) 1,1-Dichloroethene	3.71	96	72391	20.858	ug/l	98
13) Acrolein	3.58	56	43034	95.762	ug/l	98
14) Allyl chloride	4.29	41	146259	20.515	ug/l	98
15) Acrylonitrile	4.95	53	246356	113.573	ug/l	98
16) Acetone	3.79	43	214468	90.177	ug/l	98
17) Carbon Disulfide	4.02	76	189511	17.590	ug/l	99
18) Methyl Acetate	4.29	43	132882	23.539	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	275932	23.092	ug/l	100
20) Methylene Chloride	4.52	84	88708	21.410	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	79666	21.384	ug/l	96
22) Diisopropyl ether	5.92	45	300571	22.321	ug/l	93
23) Vinyl Acetate	5.86	43	1217252	116.635	ug/l	100
24) 1,1-Dichloroethane	5.82	63	165189	21.963	ug/l	100
25) 2-Butanone	6.81	43	324114	103.403	ug/l	98
26) 2,2-Dichloropropane	6.80	77	141487	21.514	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	94303	21.819	ug/l	98
28) Bromochloromethane	7.17	49	48389	21.385	ug/l	96
29) Tetrahydrofuran	7.18	42	220553	110.739	ug/l	98
30) Chloroform	7.35	83	163312	22.636	ug/l	99
31) Cyclohexane	7.63	56	137787	19.352	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	134844	22.230	ug/l	99
36) 1,1-Dichloropropene	7.77	75	115218	21.187	ug/l	99
37) Ethyl Acetate	6.90	43	132365	21.879	ug/l	98
38) Carbon Tetrachloride	7.75	117	115603	21.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	127168	20.149	ug/l	98
40) Benzene	8.02	78	360048	21.986	ug/l	99
41) Methacrylonitrile	7.16	41	62332m	23.694	ug/l	
42) 1,2-Dichloroethane	8.10	62	123089	21.915	ug/l	99
43) Isopropyl Acetate	8.14	43	209021	21.672	ug/l	100
44) Trichloroethene	8.82	130	89157	22.148	ug/l	100
45) 1,2-Dichloropropane	9.10	63	100098	22.504	ug/l	99
46) Dibromomethane	9.19	93	61060	22.029	ug/l	99
47) Bromodichloromethane	9.39	83	126936	22.934	ug/l	97
48) Methyl methacrylate	9.18	41	92809	21.513	ug/l	97
49) 1,4-Dioxane	9.18	88	34132	445.186	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	666318	122.095	ug/l	99
52) Toluene	10.14	92	217774	22.187	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	141242	22.088	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154562	22.470	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	91743	23.095	ug/l	99
56) Ethyl methacrylate	10.42	69	129833	20.735	ug/l	98
57) 1,3-Dichloropropane	10.70	76	156995	22.963	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	261034	118.075	ug/l	100
59) 2-Hexanone	10.74	43	471564	112.578	ug/l	99
60) Dibromochloromethane	10.90	129	95622	22.767	ug/l	98
61) 1,2-Dibromoethane	11.00	107	91353	22.717	ug/l	98
64) Tetrachloroethene	10.62	164	78475	21.777	ug/l	97
65) Chlorobenzene	11.43	112	229471	22.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	89282	23.039	ug/l	98
67) Ethyl Benzene	11.51	91	413666	22.569	ug/l	100
68) m/p-Xylenes	11.62	106	304900	44.408	ug/l	100
69) o-Xylene	11.95	106	145186	21.881	ug/l	99
70) Styrene	11.96	104	230267	22.066	ug/l	98
71) Bromoform	12.12	173	67983	22.553	ug/l #	99
73) Isopropylbenzene	12.25	105	396318	22.322	ug/l	100
74) N-amyl acetate	12.07	43	160809	21.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	137796	22.790	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127666m	22.974	ug/l	
77) Bromobenzene	12.53	156	96495	21.632	ug/l	99
78) n-propylbenzene	12.59	91	448917	22.082	ug/l	99
79) 2-Chlorotoluene	12.67	91	278148	22.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	331947	22.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45615	21.681	ug/l	99
82) 4-Chlorotoluene	12.77	91	279113	22.066	ug/l	98
83) tert-Butylbenzene	12.99	119	290892	22.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	332767	22.862	ug/l	98
85) sec-Butylbenzene	13.17	105	379020	22.431	ug/l	99
86) p-Isopropyltoluene	13.29	119	331802	22.240	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	167861	21.975	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	167398	21.903	ug/l	100
89) n-Butylbenzene	13.62	91	283732	21.728	ug/l	99
90) Hexachloroethane	13.88	117	63091	21.059	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	167656	22.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27331	22.671	ug/l	98

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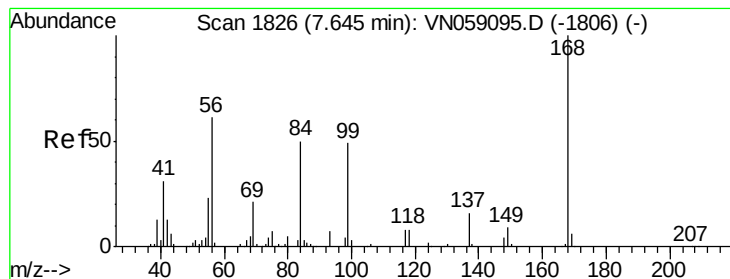
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89100	21.399	ug/l	98
94) Hexachlorobutadiene	15.01	225	60478	23.342	ug/l	99
95) Naphthalene	15.13	128	233776	20.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	90930	21.593	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: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion:168 Resp: 372054

Ion Ratio Lower Upper

168 100

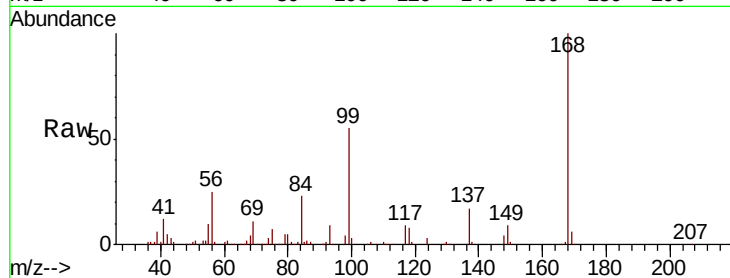
99 55.2 45.7 68.5

Manual Integrations

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11/19/2019 11:01:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

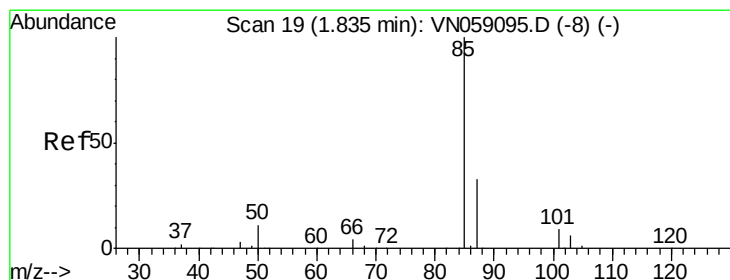
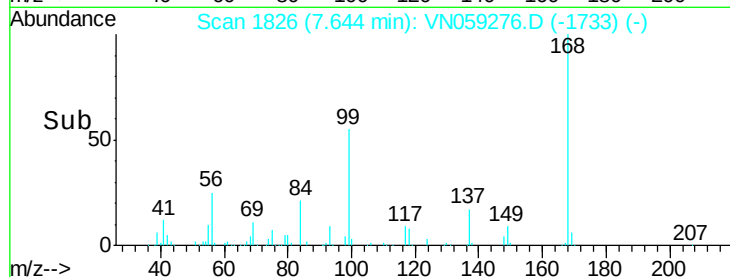
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.576 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059276.D

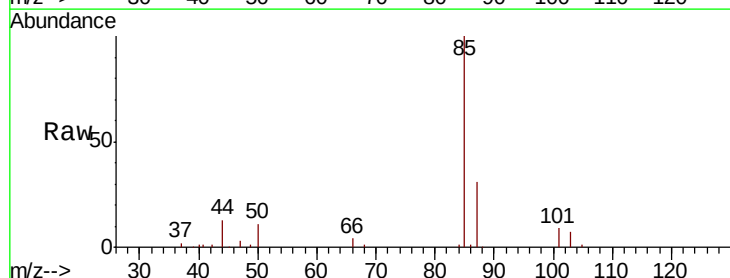
Acq: 18 Nov 2019 12:26

Tgt Ion: 85 Resp: 69635

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

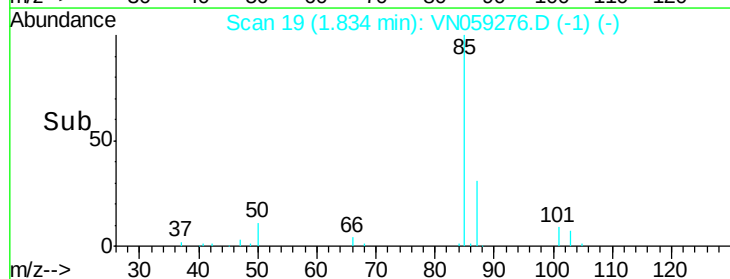
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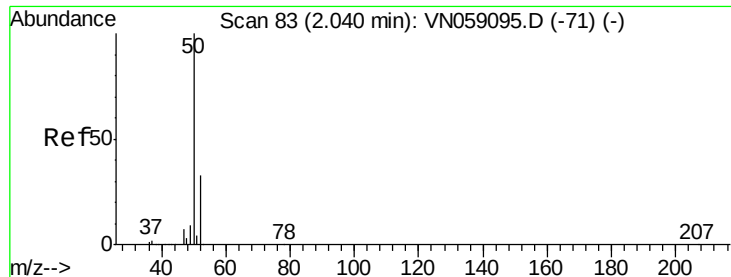
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.482 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 50 Resp: 94176

Ion Ratio Lower Upper

50 100

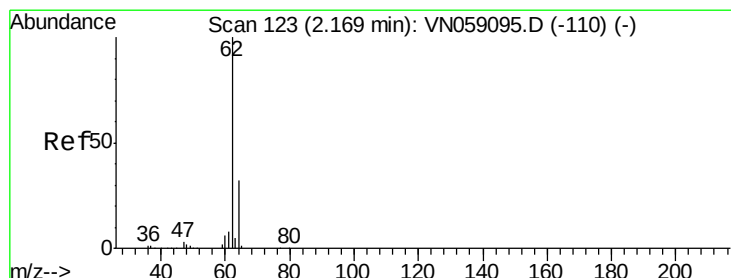
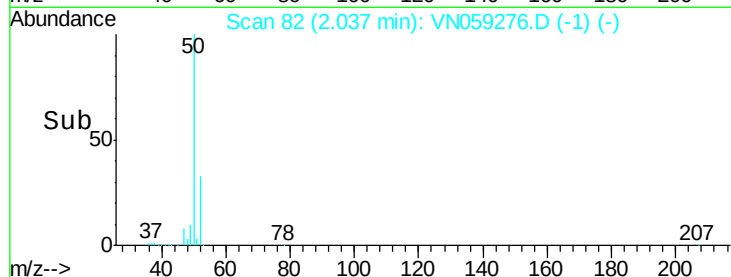
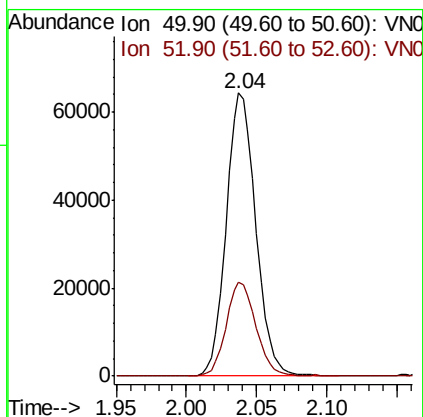
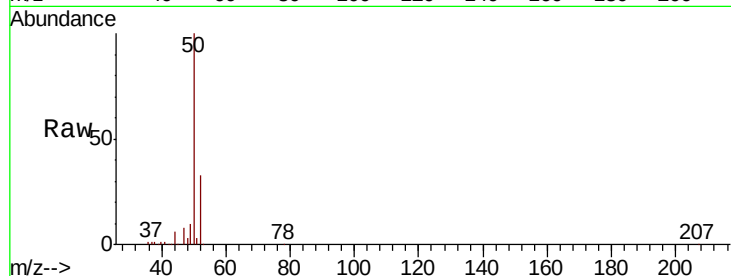
52 33.1 26.0 39.0

Manual Integrations

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11/19/2019 11:01:43 AM



#4

Vinyl Chloride

Concen: 19.092 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059276.D

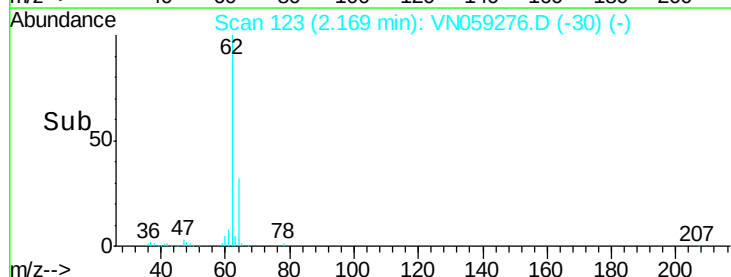
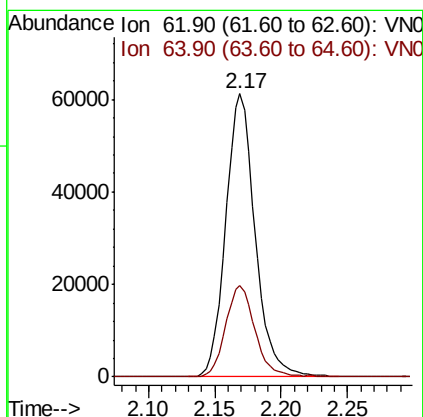
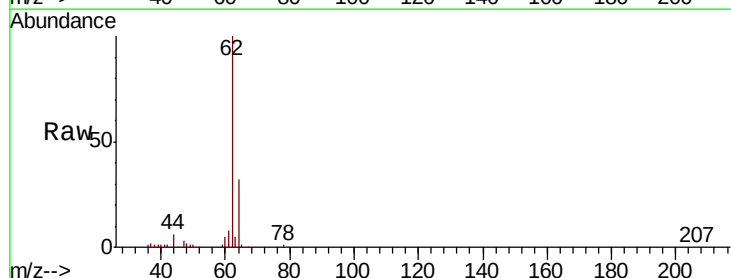
Acq: 18 Nov 2019 12:26

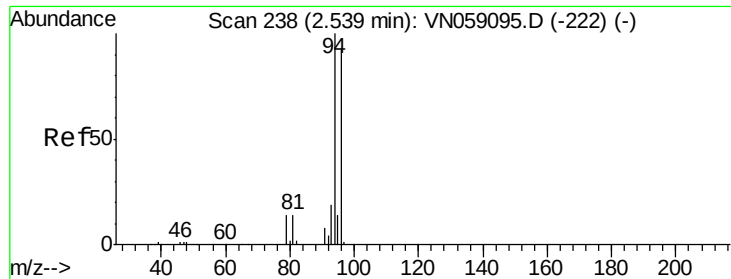
Tgt Ion: 62 Resp: 94322

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 20.431 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 94 Resp: 58083

Ion Ratio Lower Upper

94 100

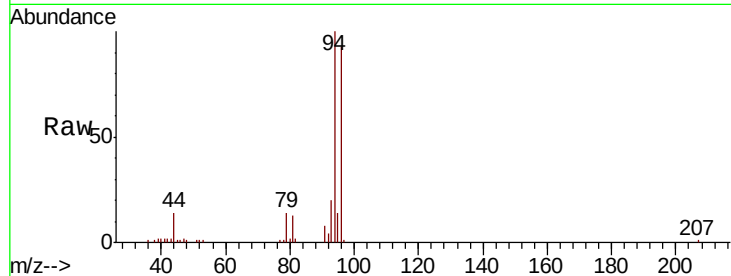
96 92.8 74.2 111.2

Manual Integrations

APPROVED

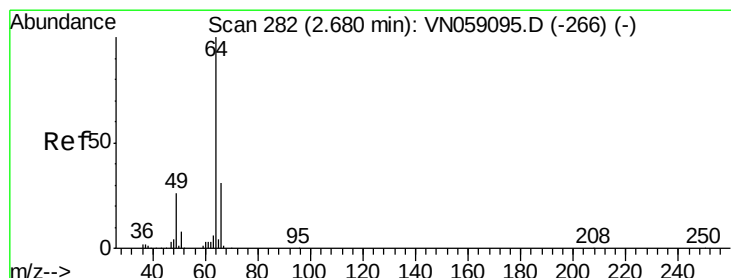
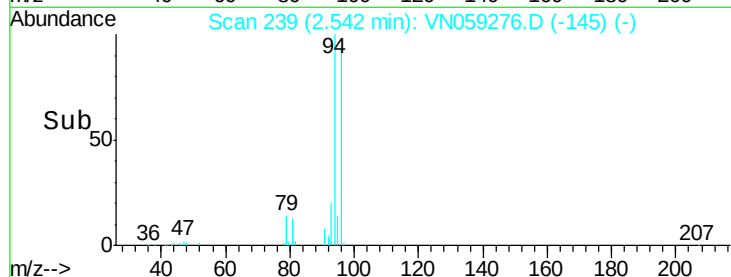
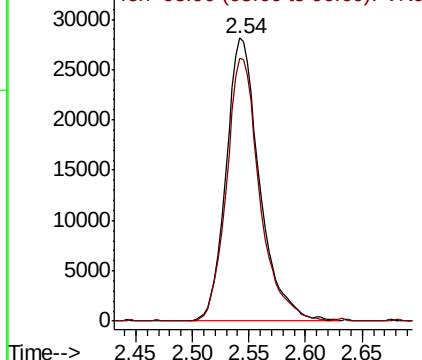
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11/19/2019 11:01:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.917 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059276.D

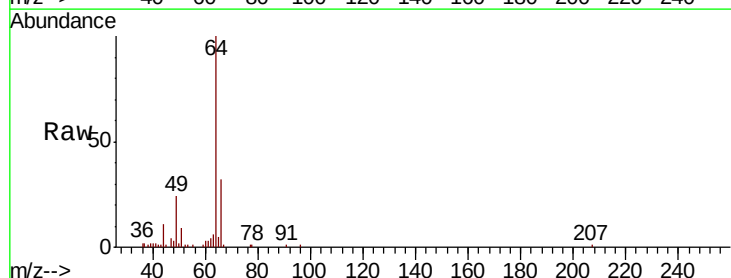
Acq: 18 Nov 2019 12:26

Tgt Ion: 64 Resp: 58207

Ion Ratio Lower Upper

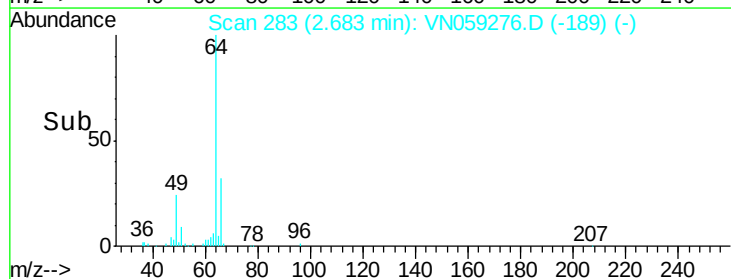
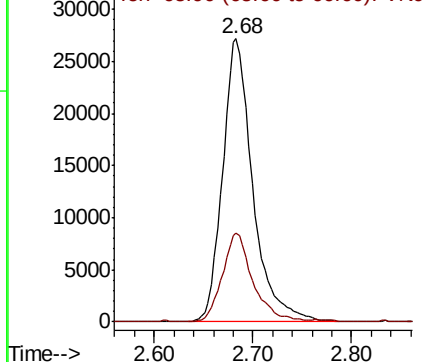
64 100

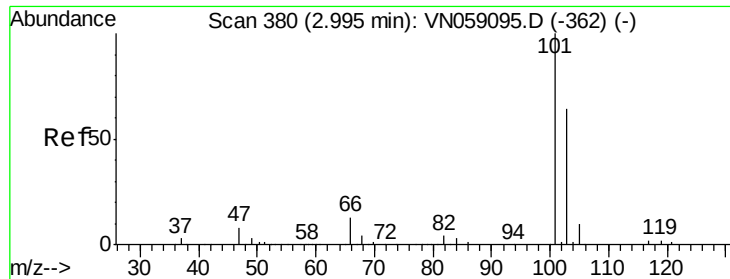
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

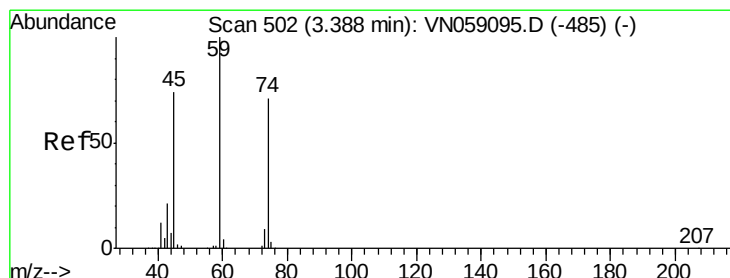
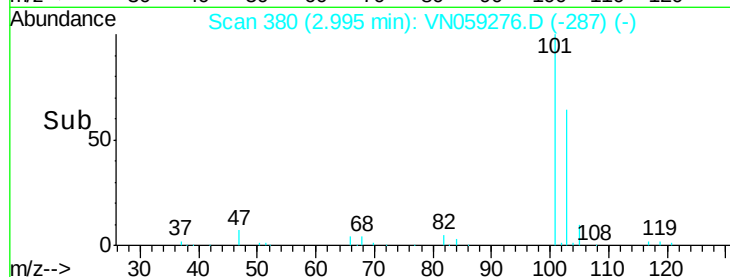
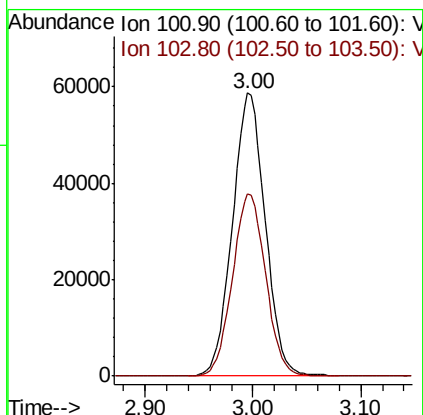
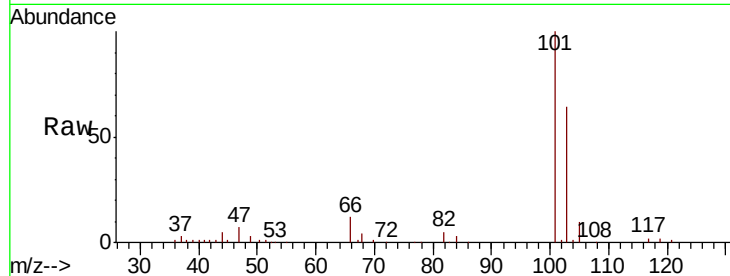
Trichlorofluoromethane
Concen: 21.036 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

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VN1118WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		124302		
103	64.5	51.2	76.8		

Manual Integrations
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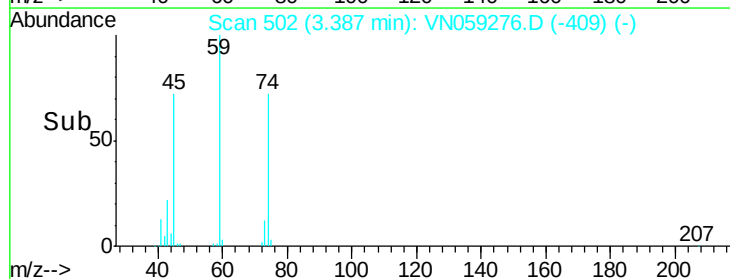
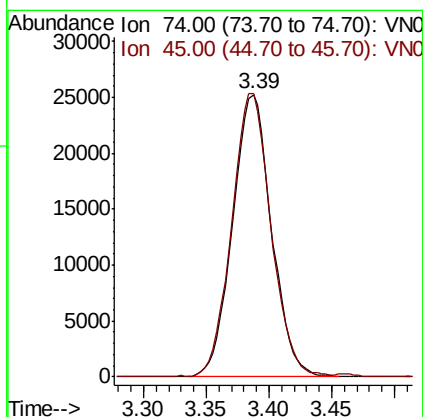
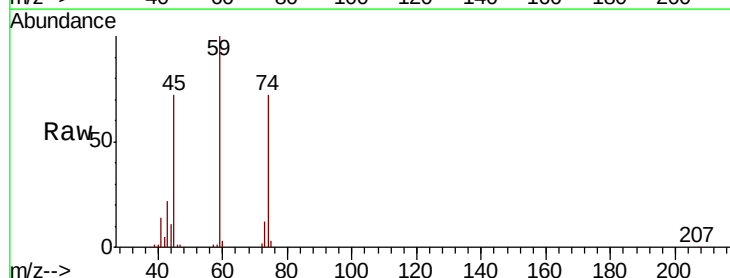
MMDADODA
11/19/2019 11:01:43 AM

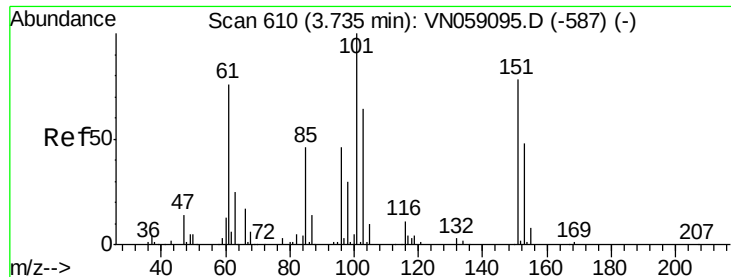


#8

Diethyl Ether
Concen: 22.654 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54393		
45	101.4	51.6	154.9		





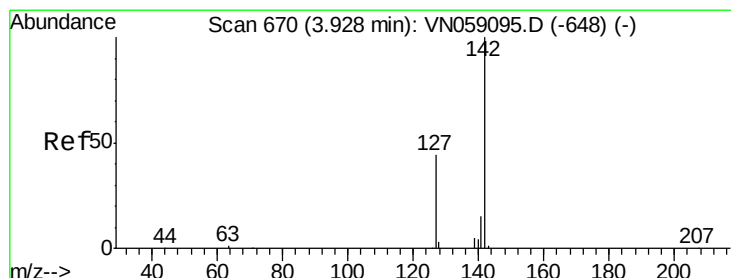
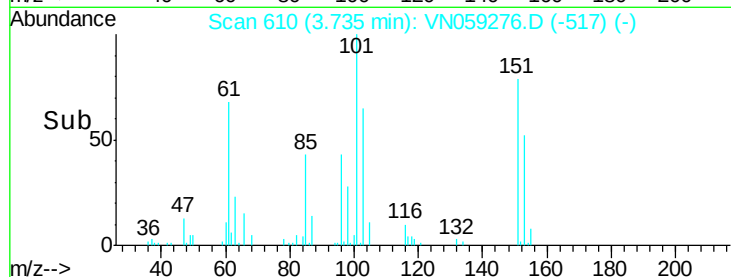
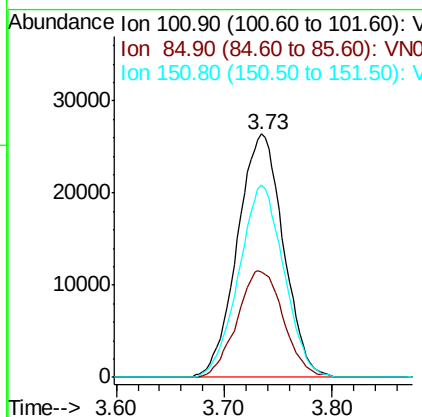
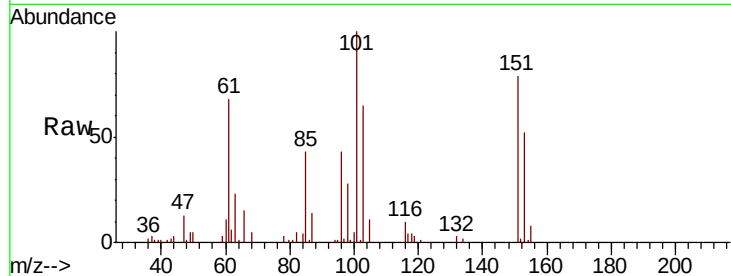
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.964 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78254		
85	44.0		35.5	53.3
151	77.4		62.2	93.2

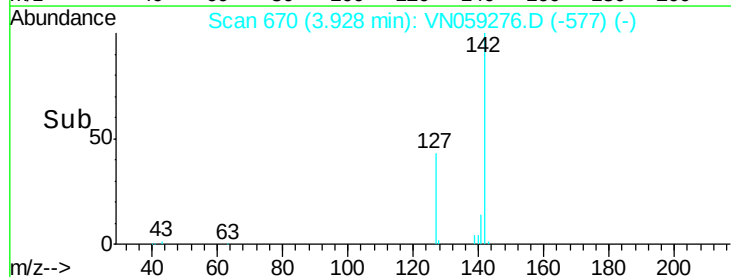
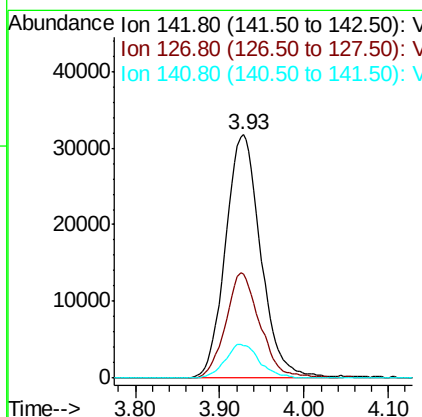
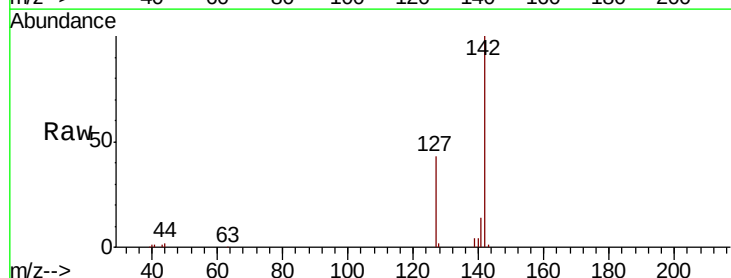
Manual Integrations
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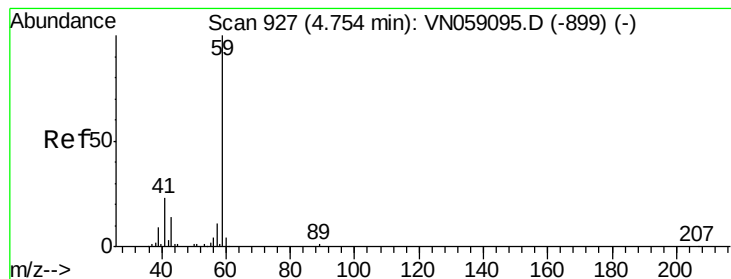
MMDADODA
 11/19/2019 11:01:43 AM



#10
 Methyl Iodide
 Concen: 20.936 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92329		
127	41.9		34.2	51.2
141	13.4		11.4	17.0





#11

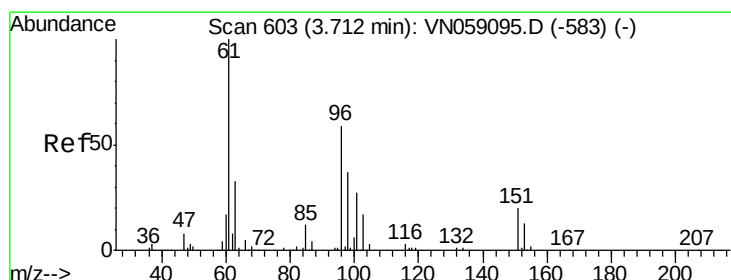
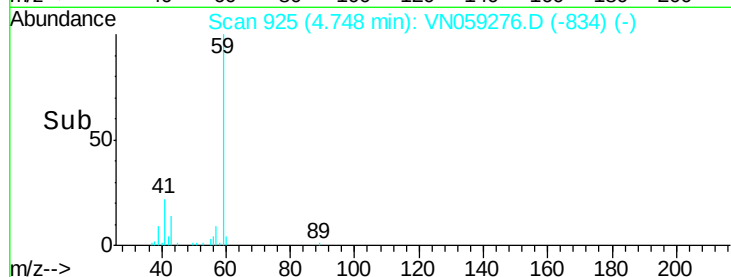
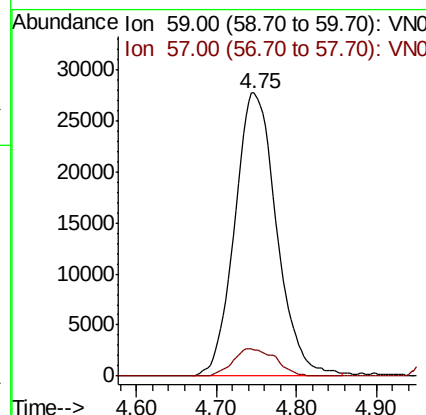
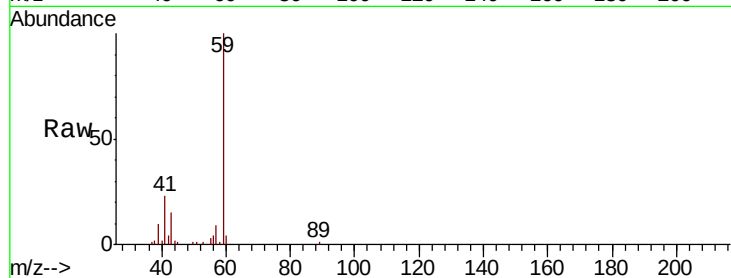
Tert butyl alcohol
 Concen: 113.299 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
 APPROVED

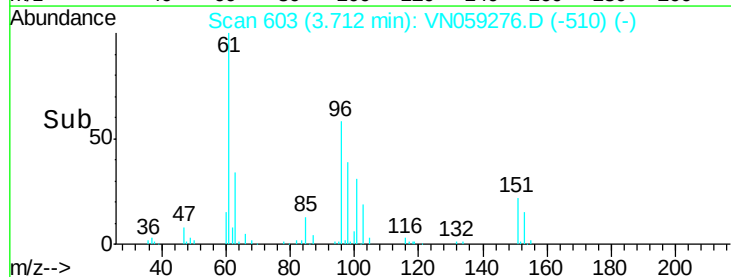
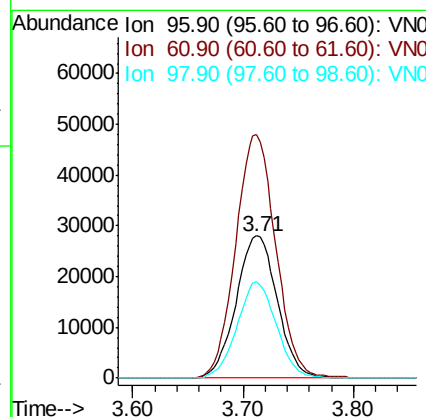
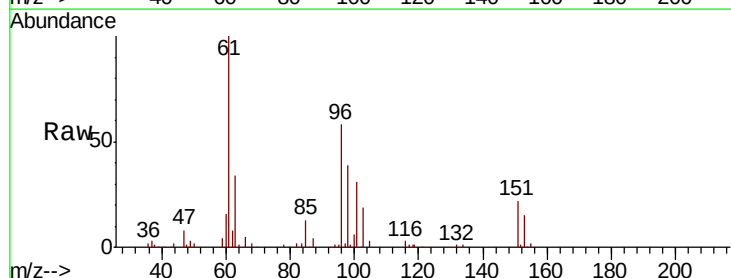
MMDADODA
 11/19/2019 11:01:43 AM

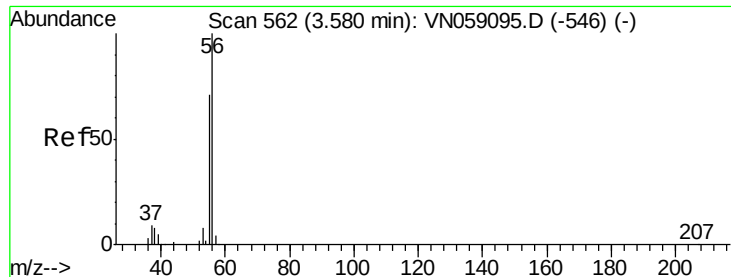


#12

1,1-Dichloroethene
 Concen: 20.858 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	136.5	204.7
98	67.4	50.2	75.4





#13

Acrolein

Concen: 95.762 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 56 Resp: 43034

Ion Ratio Lower Upper

56 100

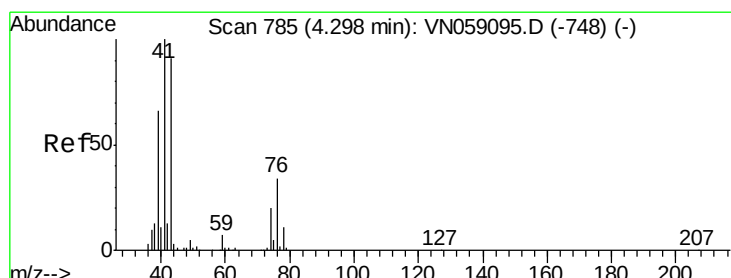
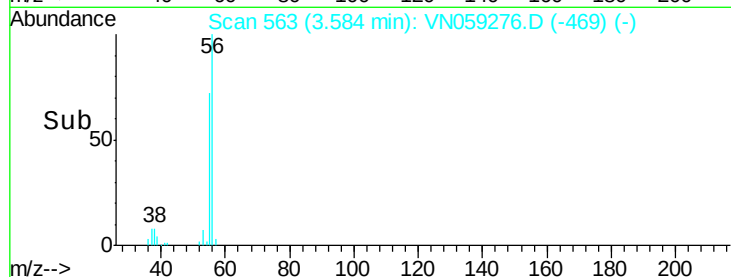
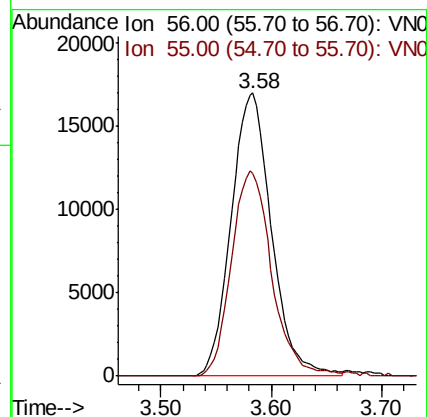
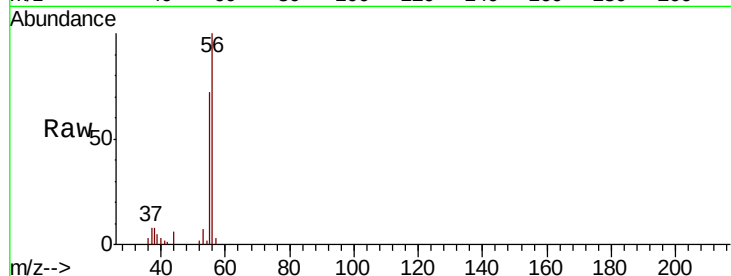
55 72.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.515 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

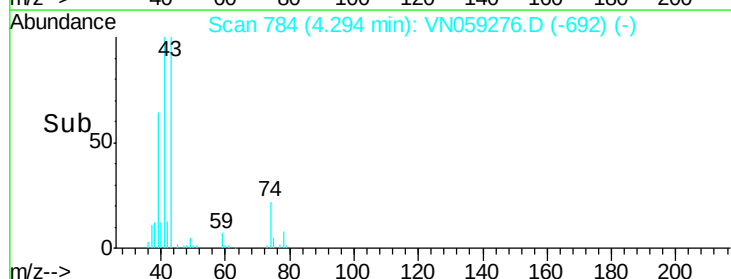
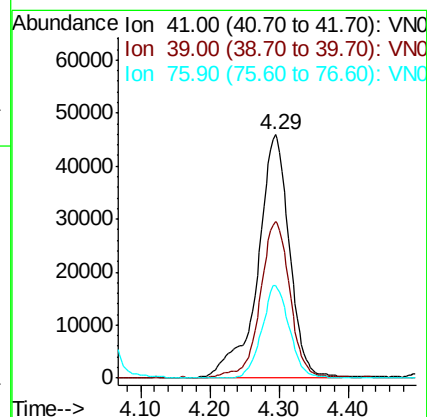
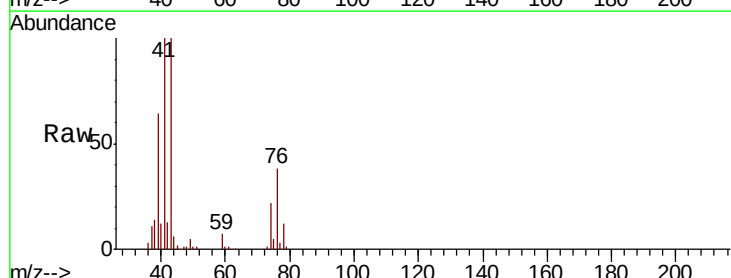
Tgt Ion: 41 Resp: 146259

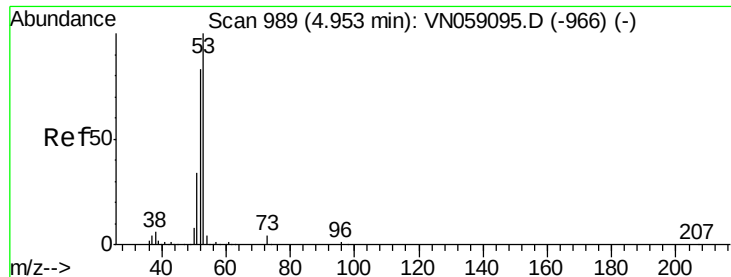
Ion Ratio Lower Upper

41 100

39 60.3 49.1 73.7

76 32.8 24.9 37.3





#15

Acrylonitrile

Concen: 113.573 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

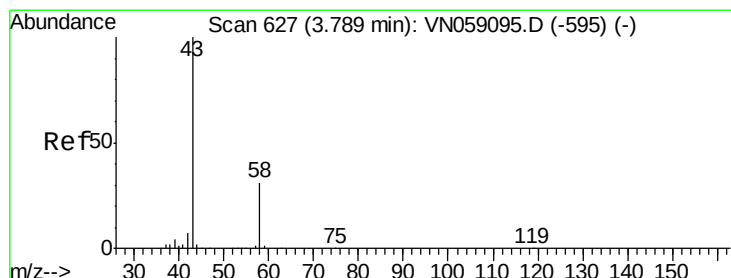
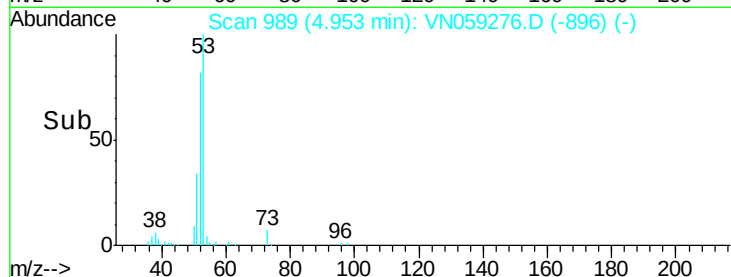
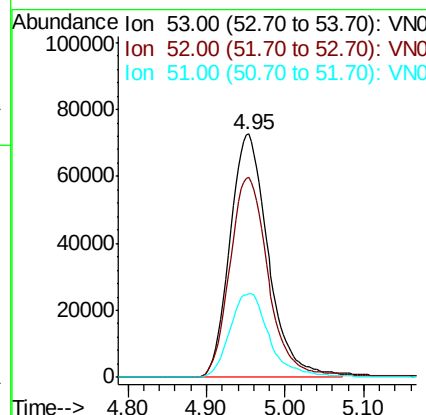
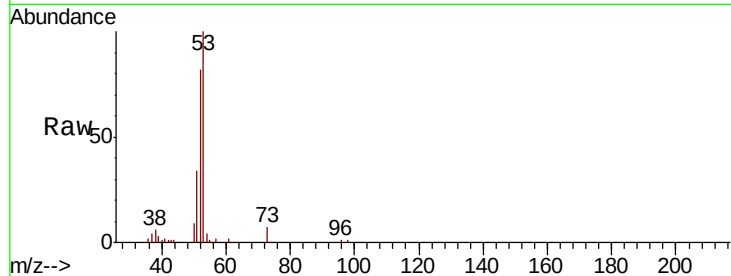
ClientSampleId :

VN1118WBS01

Tot Ion:	53	Resp:	246356
Ion Ratio		Lower	Upper
53	100		
52	83.0	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 90.177 ug/l

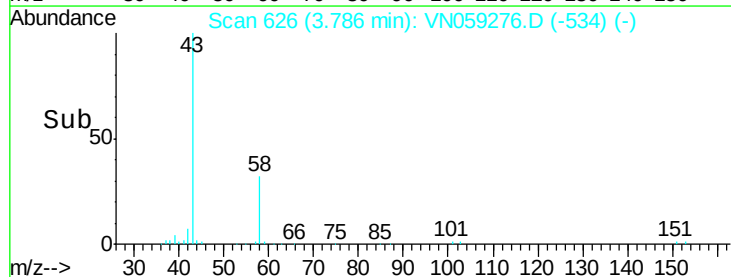
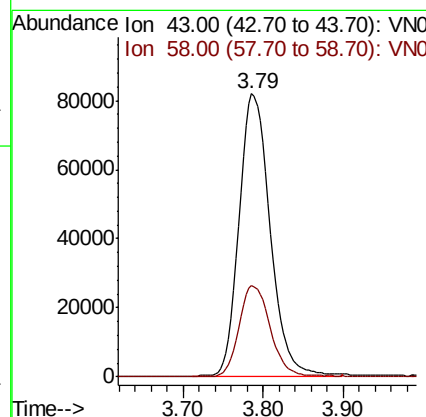
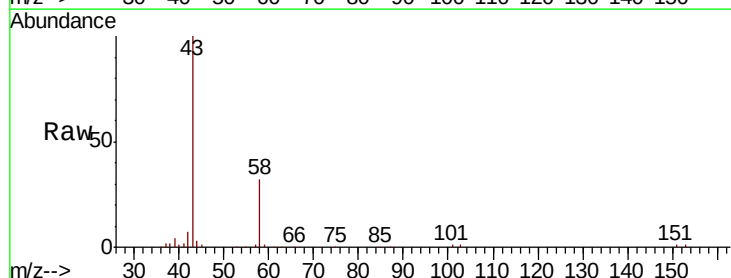
RT: 3.79 min Scan# 626

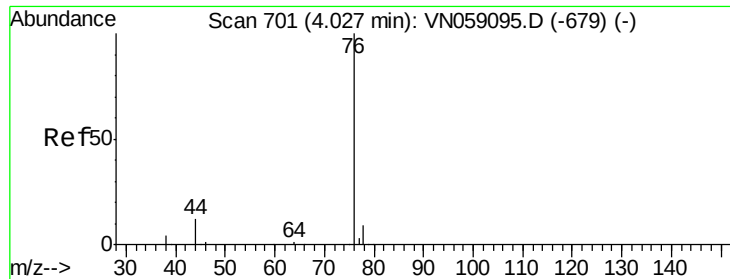
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	43	Resp:	214468
Ion Ratio		Lower	Upper
43	100		
58	32.3	24.9	37.3





#17

Carbon Disulfide

Concen: 17.590 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 76 Resp: 189511

Ion Ratio Lower Upper

76 100

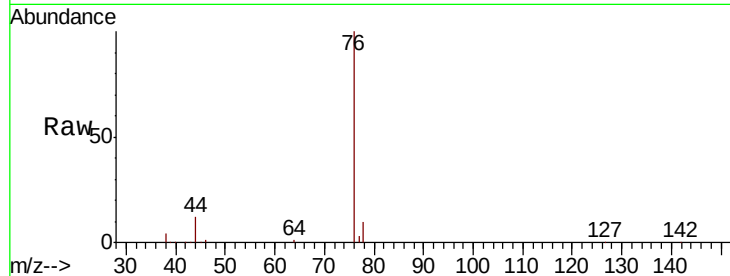
78 9.6 7.4 11.0

Manual Integrations

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MMDADODA

11/19/2019 11:01:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059276.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059276.D (-608) (-)

4.02

80000

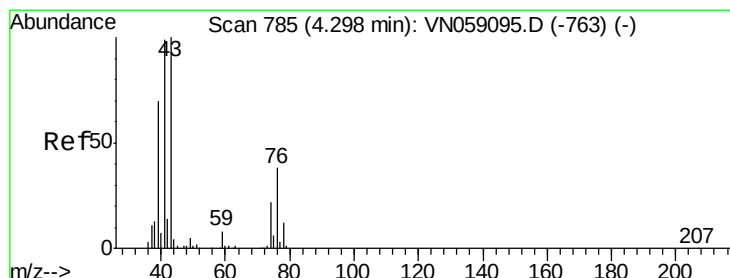
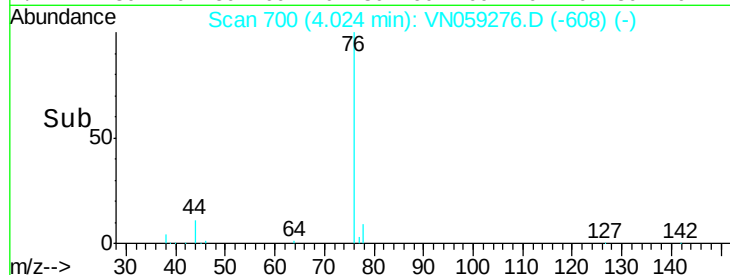
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.539 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059276.D

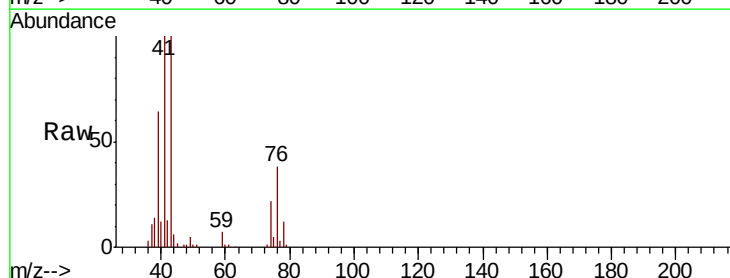
Acq: 18 Nov 2019 12:26

Tgt Ion: 43 Resp: 132882

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059276.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059276.D (-692) (-)

4.29

50000

40000

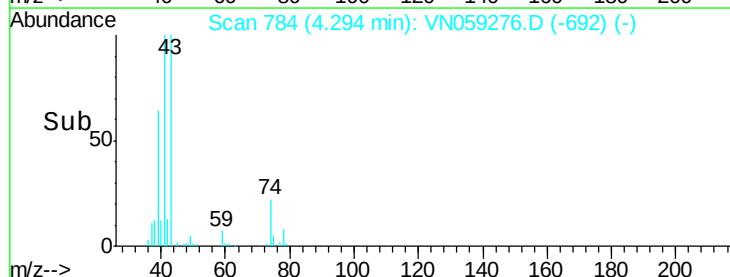
30000

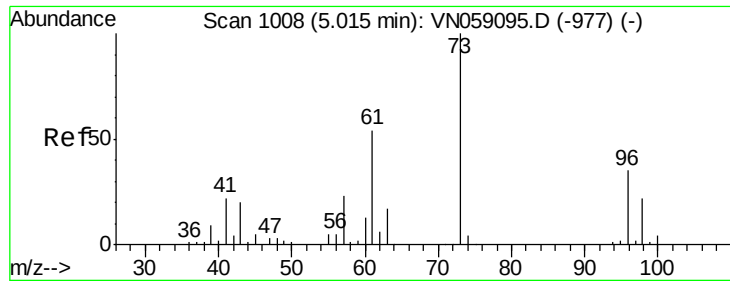
20000

10000

0

Time-->





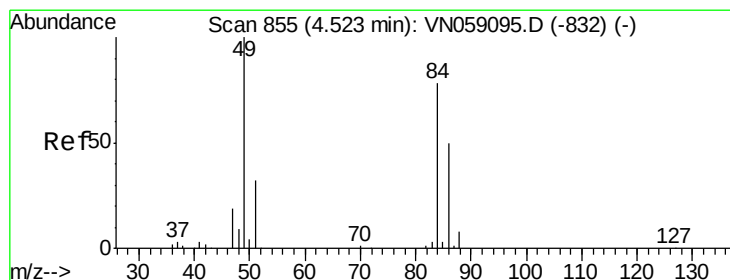
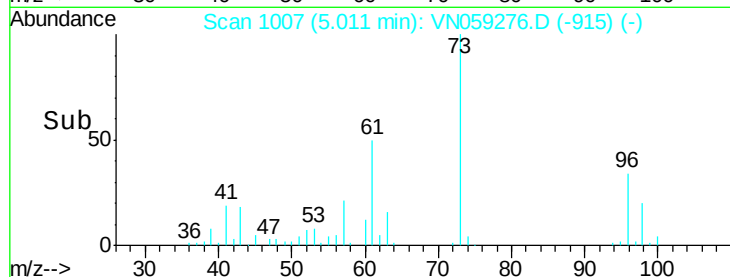
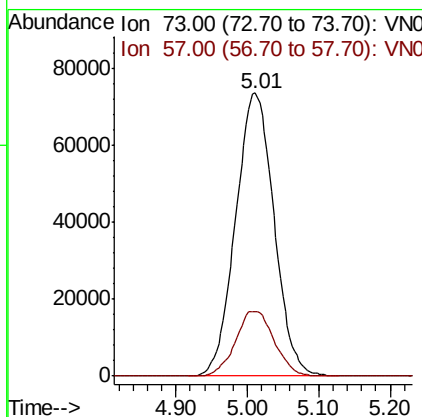
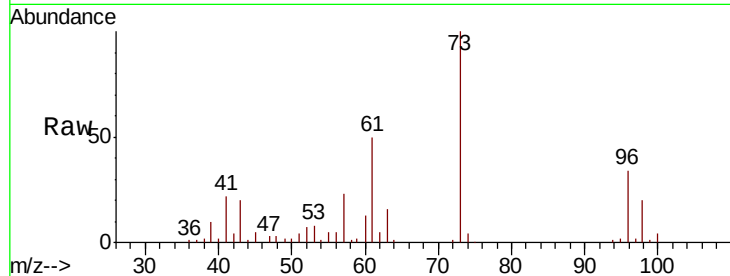
#19
Methyl tert-butyl Ether
Concen: 23.092 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 73 Resp: 275932
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

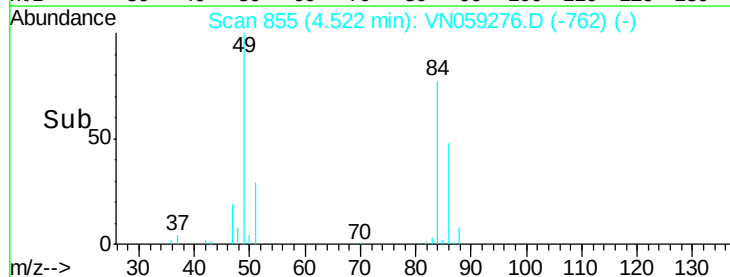
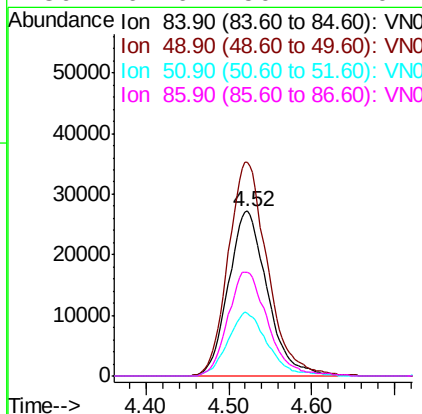
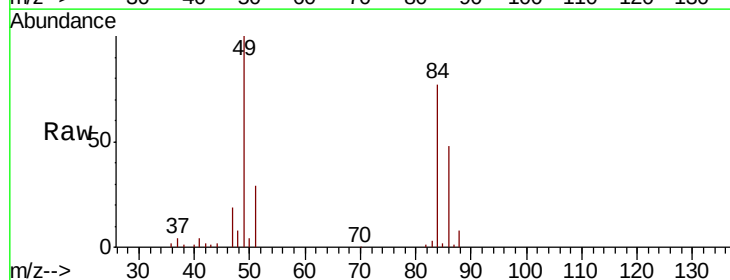
Manual Integrations
APPROVED

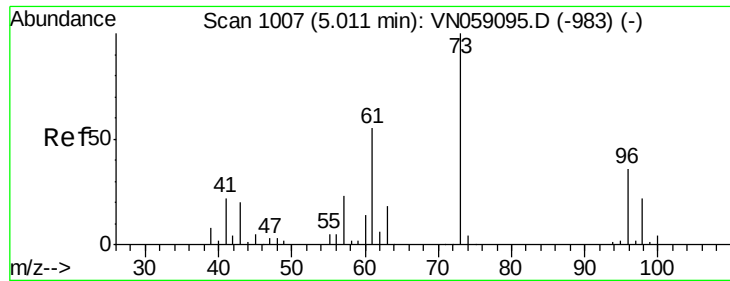
MMDADODA
11/19/2019 11:01:43 AM



#20
Methylene Chloride
Concen: 21.410 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion: 84 Resp: 88708
Ion Ratio Lower Upper
84 100
49 129.5 102.0 153.0
51 38.2 32.2 48.2
86 62.6 50.7 76.1





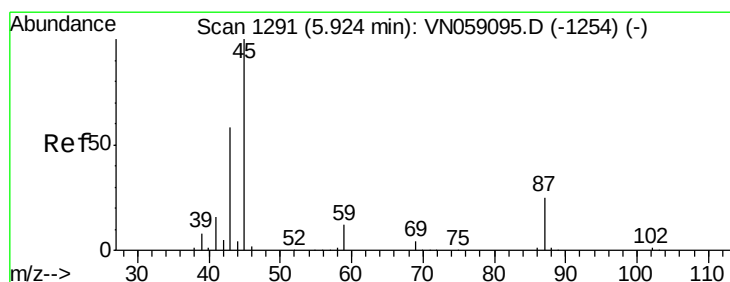
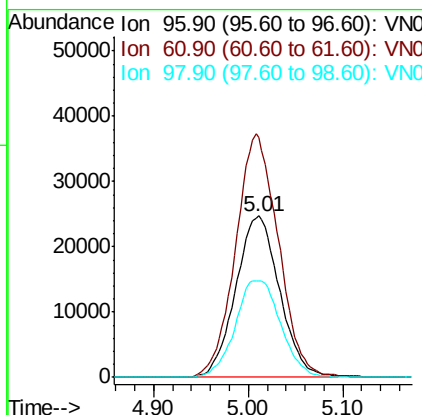
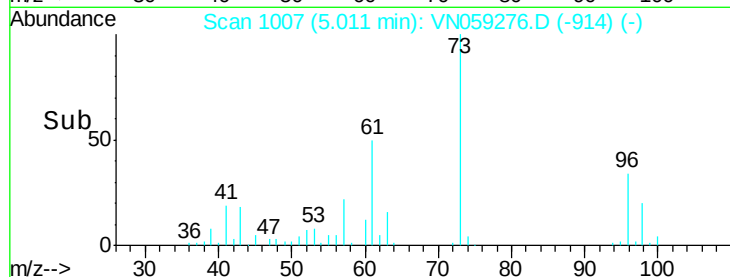
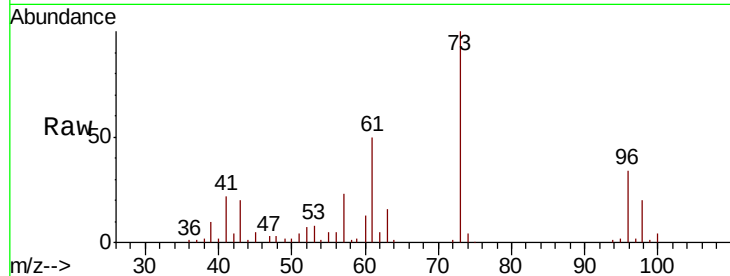
#21
trans-1,2-Dichloroethene
Concen: 21.384 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	122.6	183.8
98	60.1	50.3	75.5

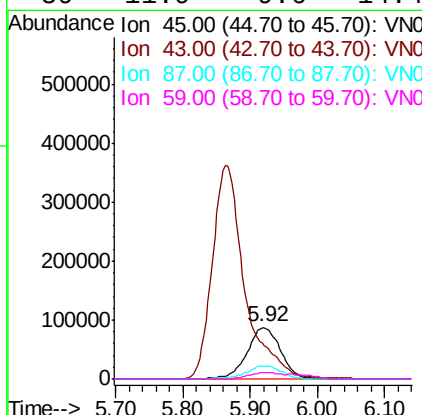
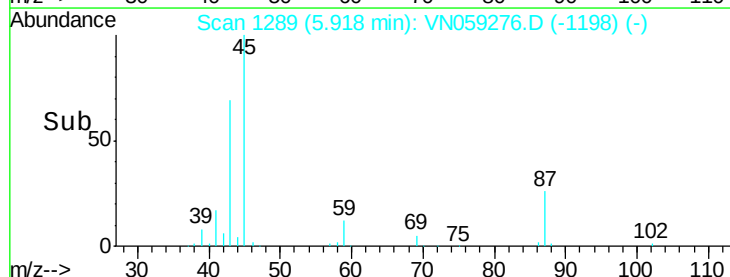
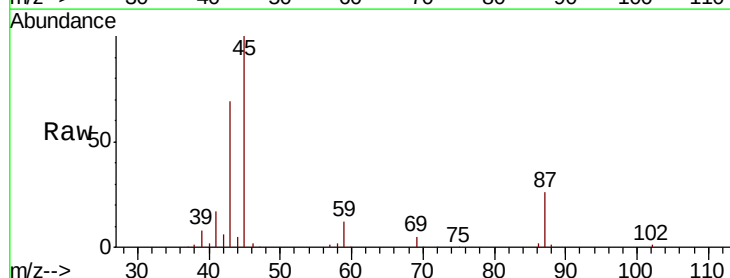
Manual Integrations
APPROVED

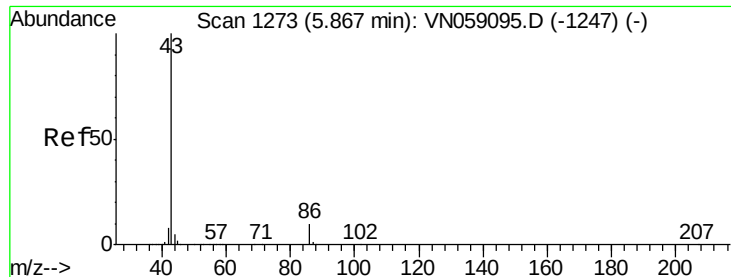
MMDADODA
11/19/2019 11:01:43 AM



#22
Diisopropyl ether
Concen: 22.321 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.2	46.7	70.1
87	26.0	20.5	30.7
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 116.635 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 43 Resp: 1217252

Ion Ratio Lower Upper

43 100

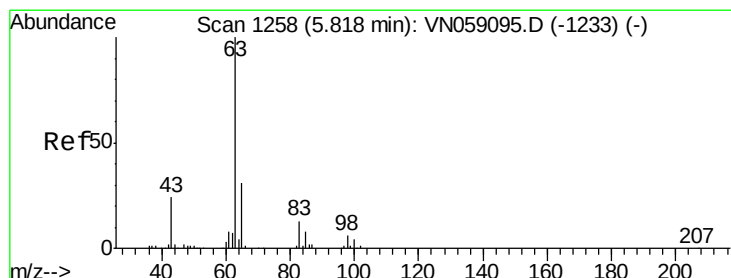
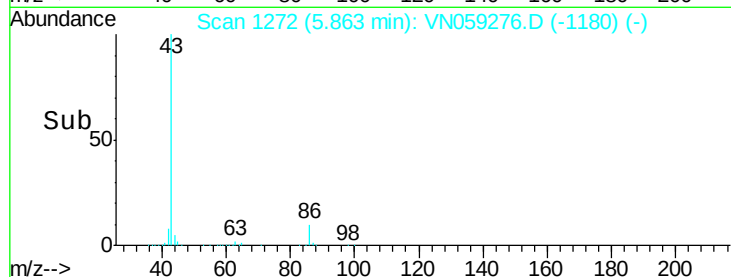
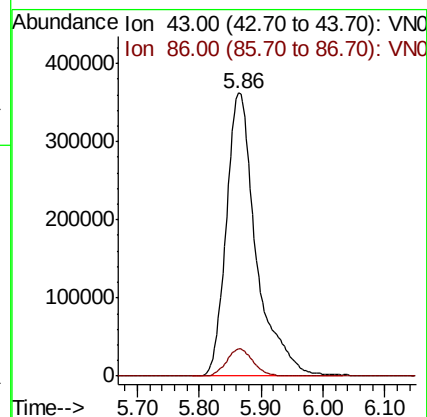
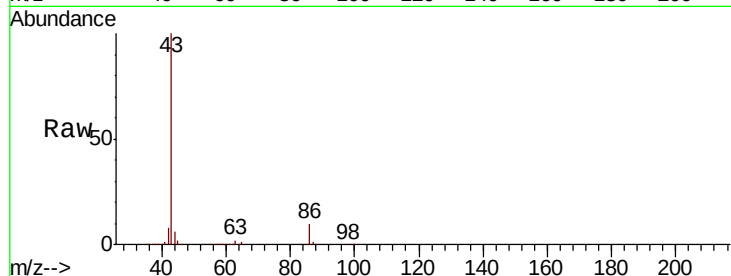
86 9.7 7.7 11.5

Manual Integrations

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MMDADODA

11/19/2019 11:01:43 AM



#24

1,1-Dichloroethane

Concen: 21.963 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

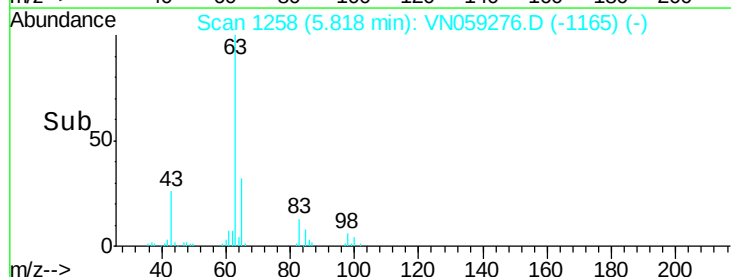
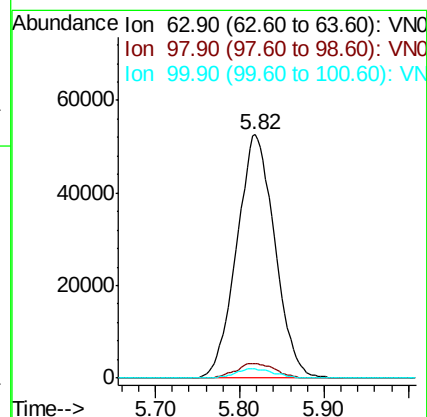
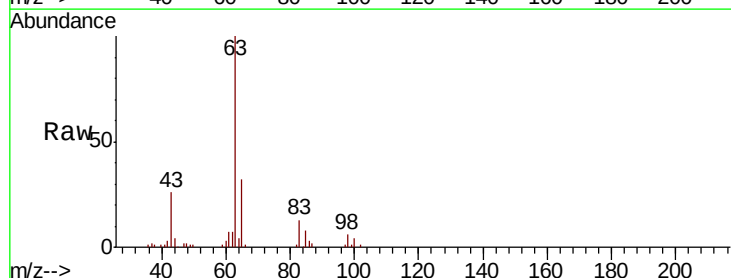
Tgt Ion: 63 Resp: 165189

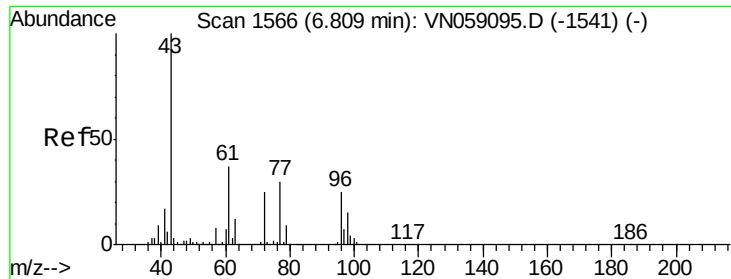
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 103.403 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 43 Resp: 324114

Ion Ratio Lower Upper

43 100

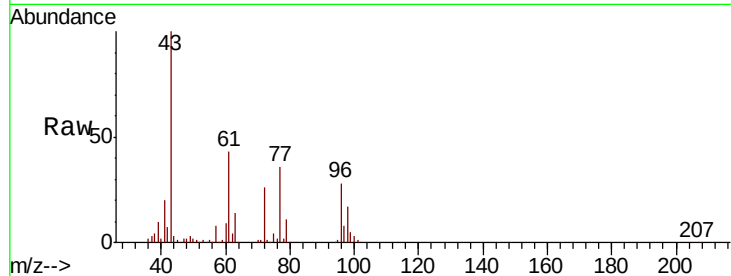
72 26.2 20.3 30.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

120000

100000

80000

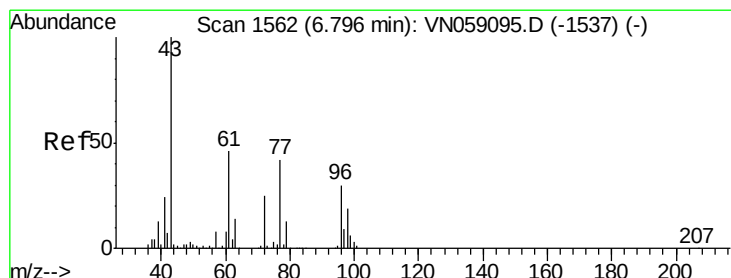
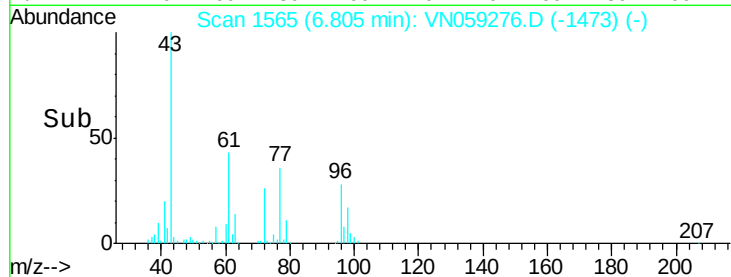
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 21.514 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059276.D

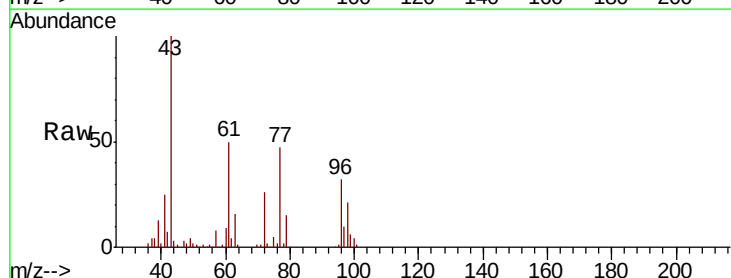
Acq: 18 Nov 2019 12:26

Tgt Ion: 77 Resp: 141487

Ion Ratio Lower Upper

77 100

97 22.7 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

50000

40000

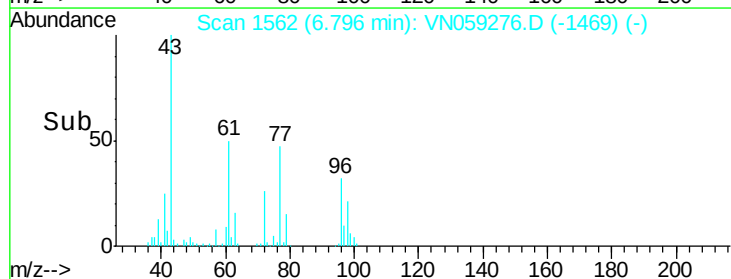
30000

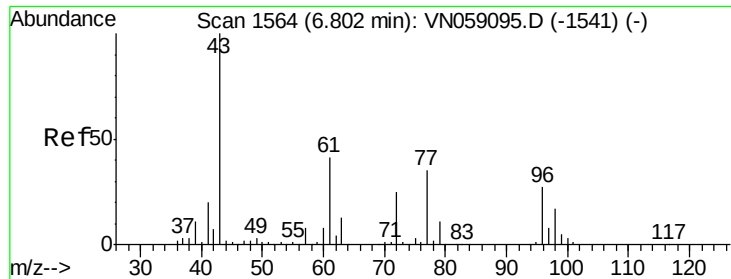
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.819 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

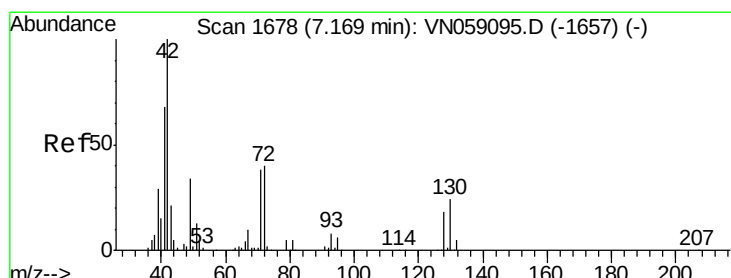
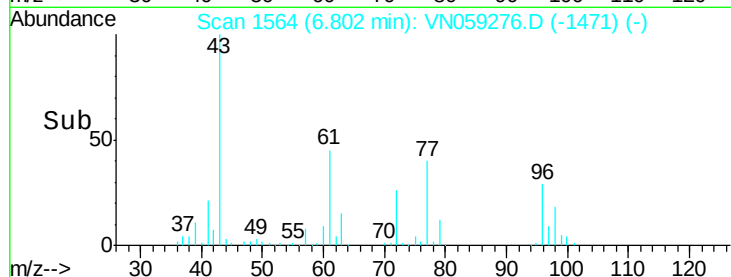
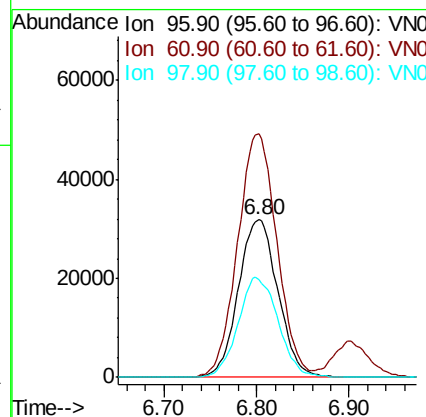
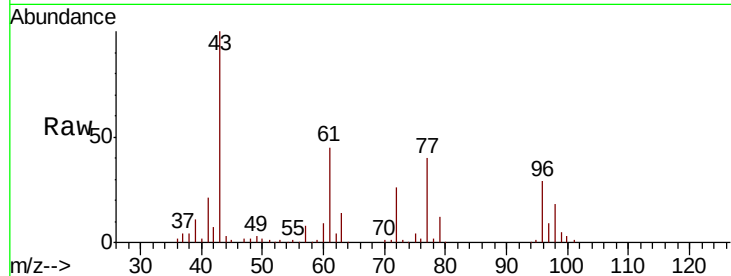
ClientSampleId :

VN1118WBS01

Tot Ion:	96	Resp:	94303
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	311.6
98	64.1	0.0	129.8

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#28

Bromochloromethane

Concen: 21.385 ug/l

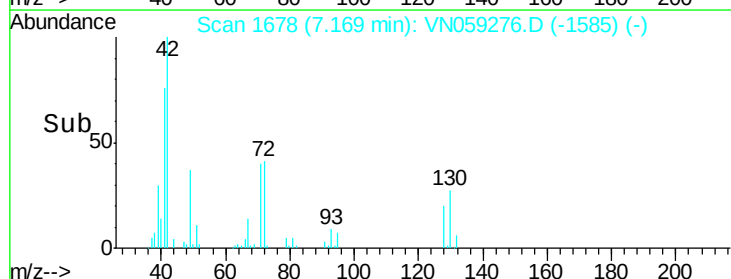
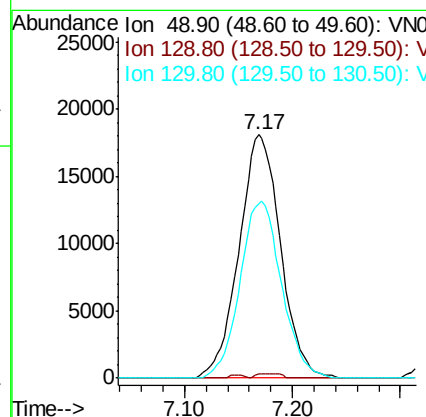
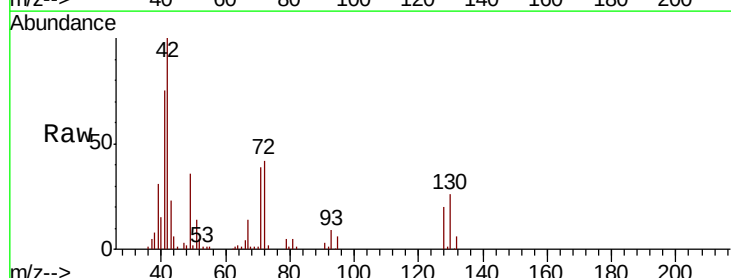
RT: 7.17 min Scan# 1678

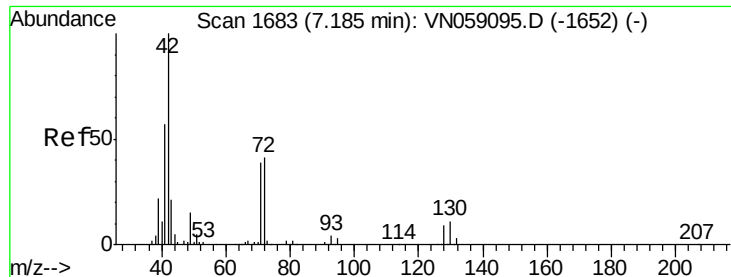
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	49	Resp:	48389
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	72.6	55.6	83.4





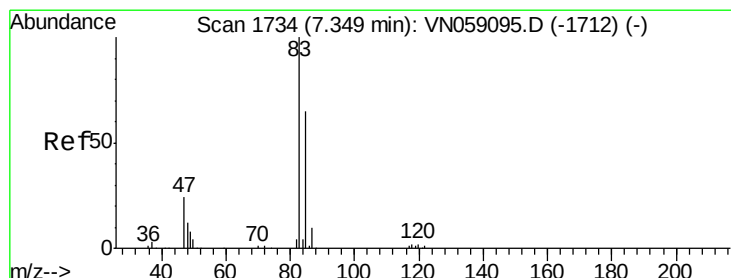
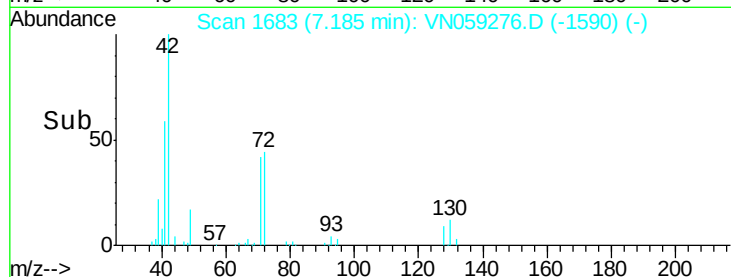
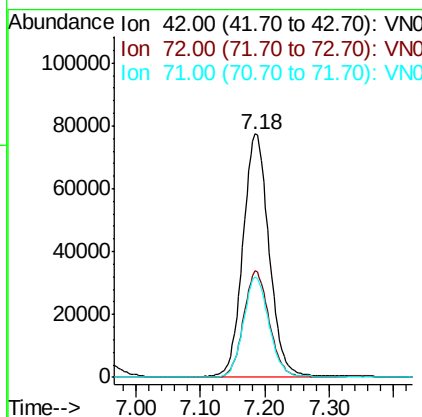
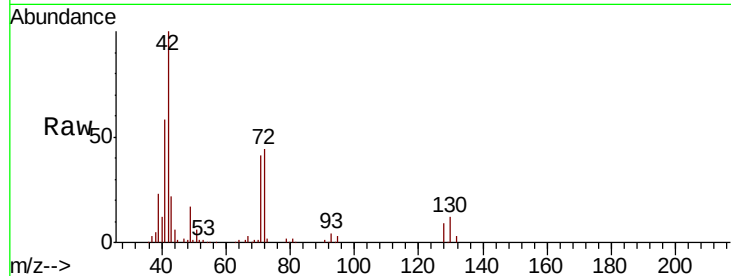
#29
Tetrahydrofuran
Concen: 110.739 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.1	49.7
71	40.1	30.9	46.3

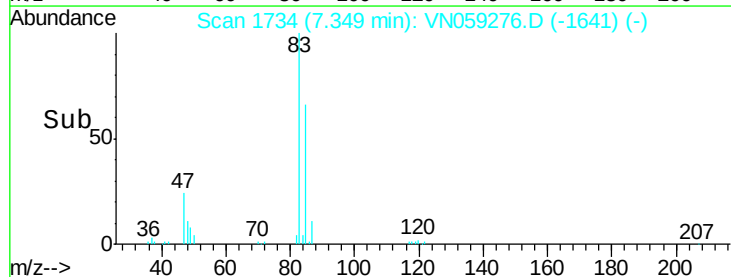
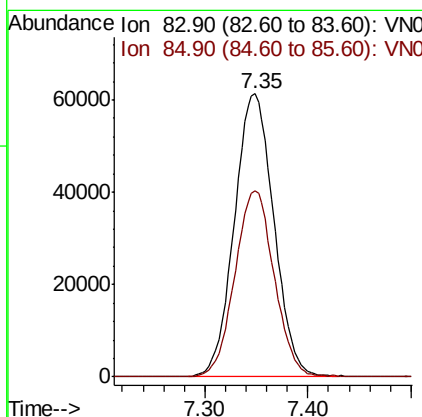
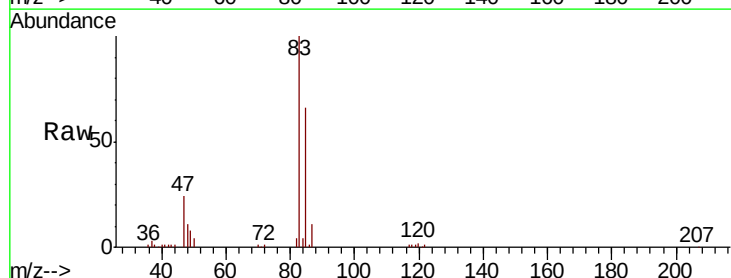
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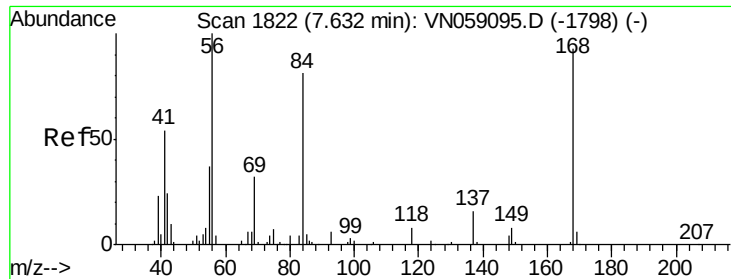
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#30
Chloroform
Concen: 22.636 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





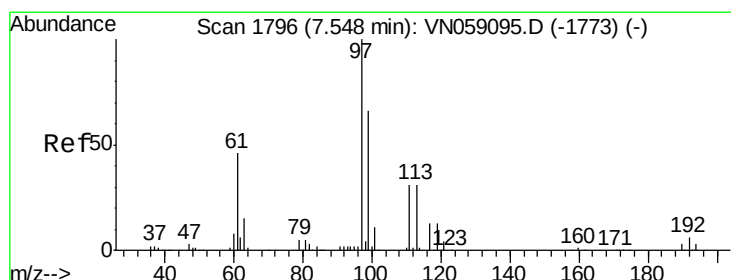
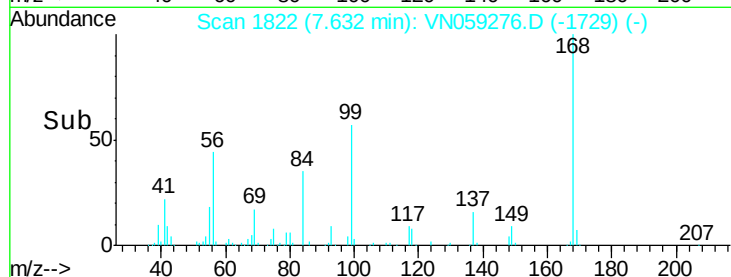
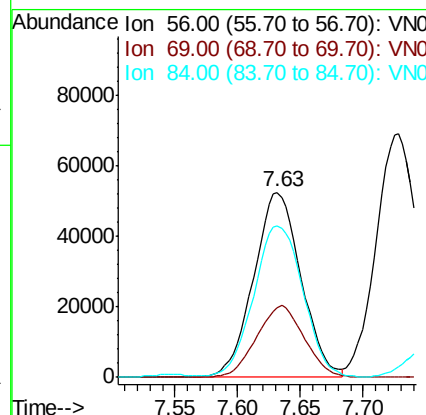
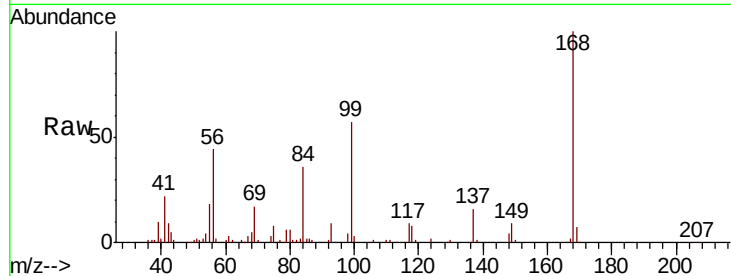
#31
Cyclohexane
Concen: 19.352 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	25.8	38.8
84	80.7	65.0	97.4

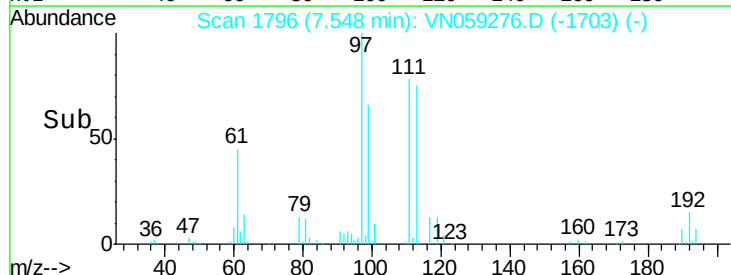
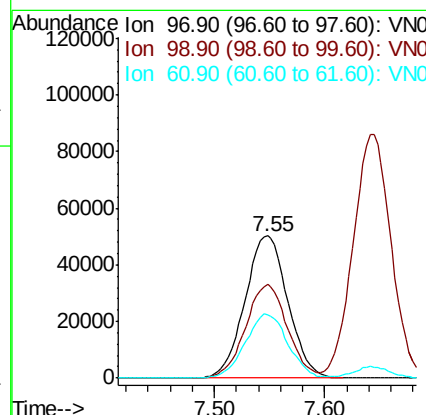
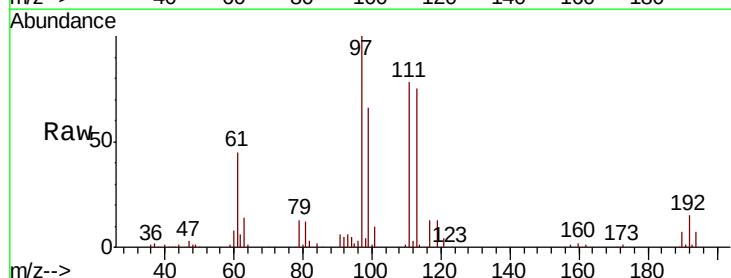
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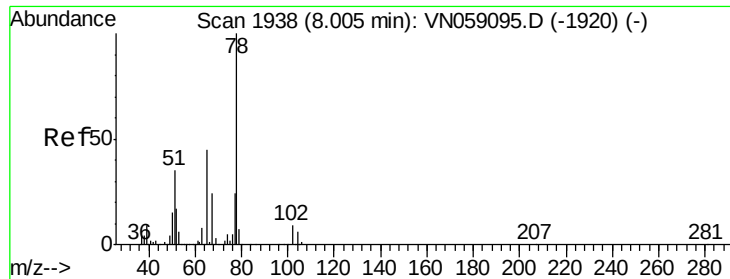
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#32
1,1,1-Trichloroethane
Concen: 22.230 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	45.0	35.8	53.8





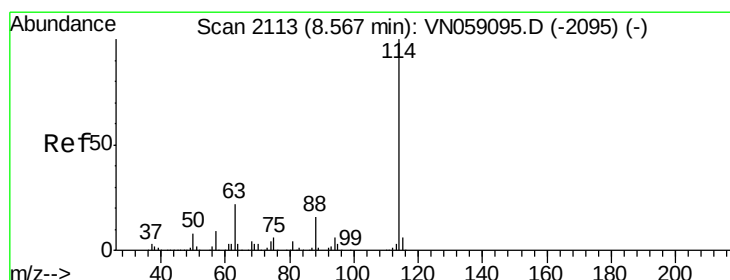
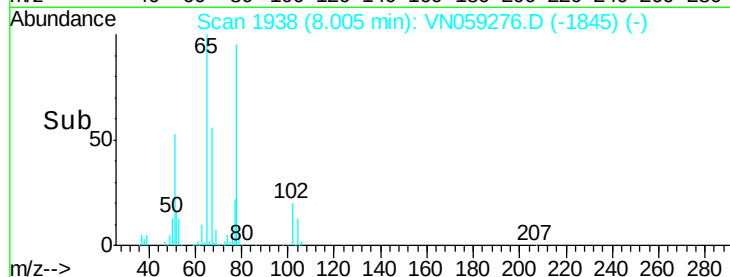
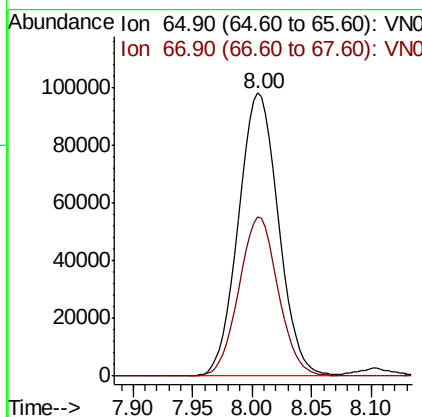
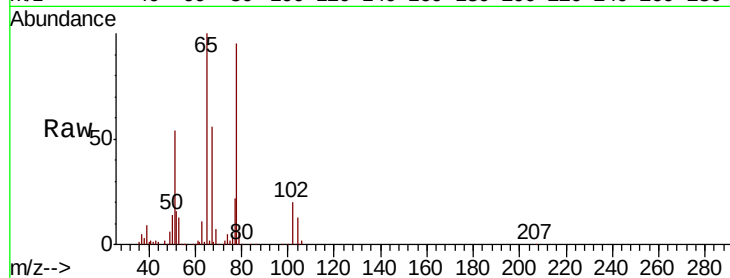
#33
 1,2-Dichloroethane-d4
 Concen: 50.220 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	107.4	

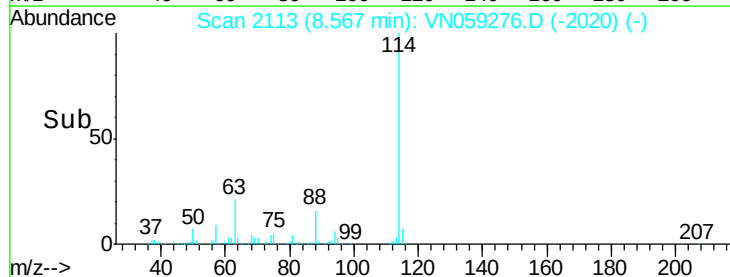
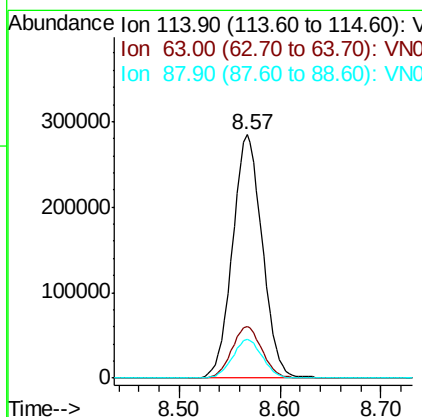
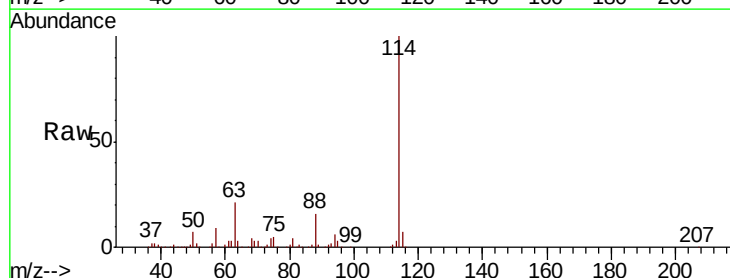
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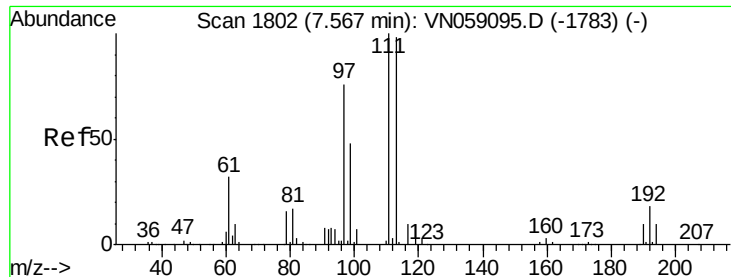
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.4	
88	16.0	0.0	32.2	





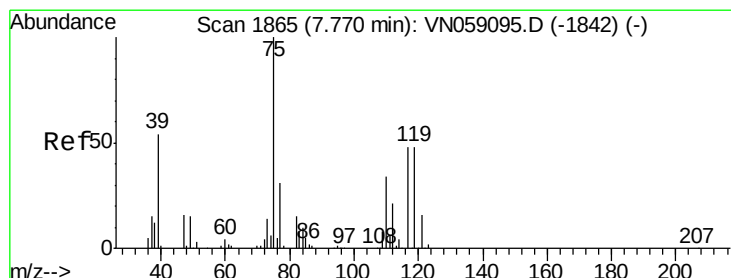
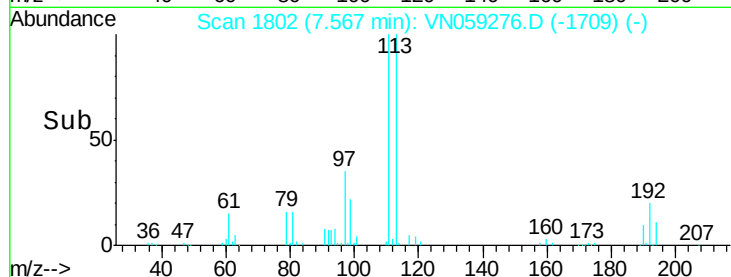
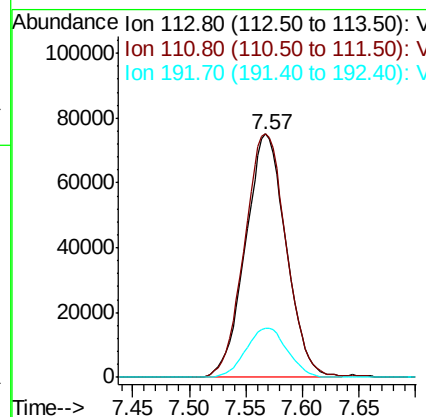
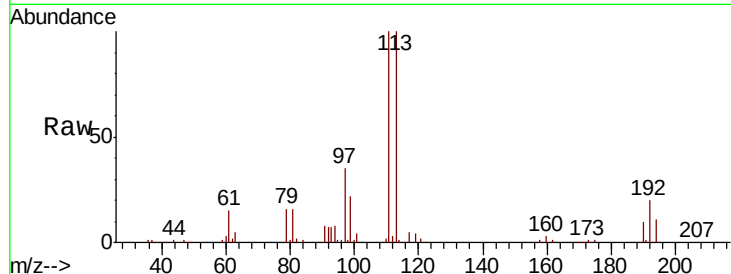
#35
 Dibromofluoromethane
 Concen: 53.833 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187015		
111	103.4	82.8	124.2	
192	20.7	16.1	24.1	

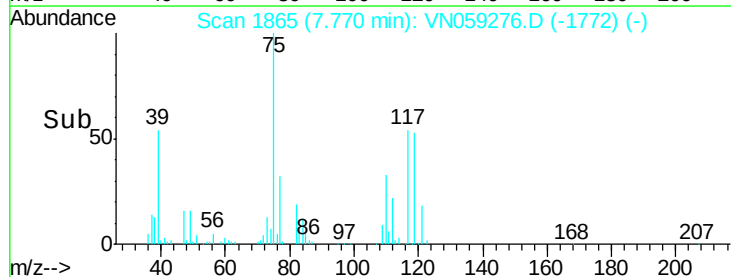
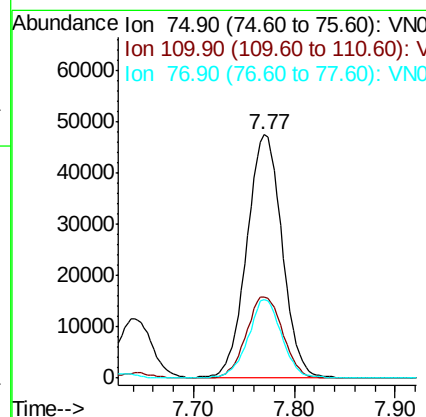
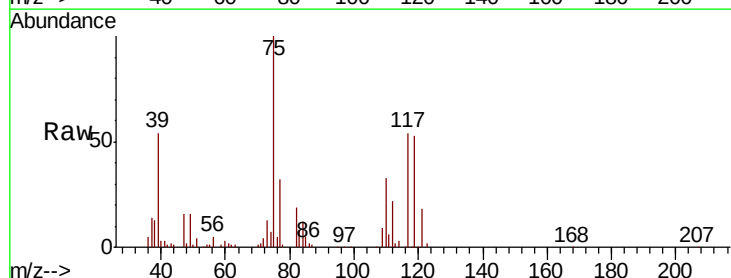
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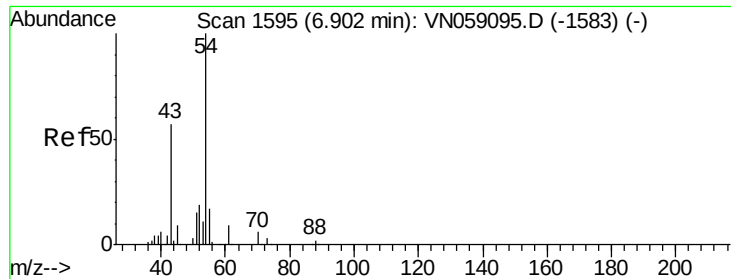
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#36
 1,1-Dichloropropene
 Concen: 21.187 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115218		
110	34.4	17.1	51.2	
77	30.6	24.8	37.2	





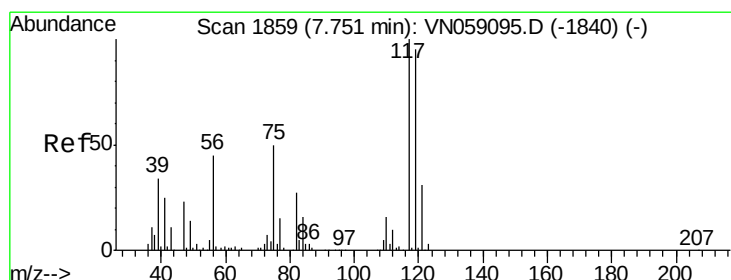
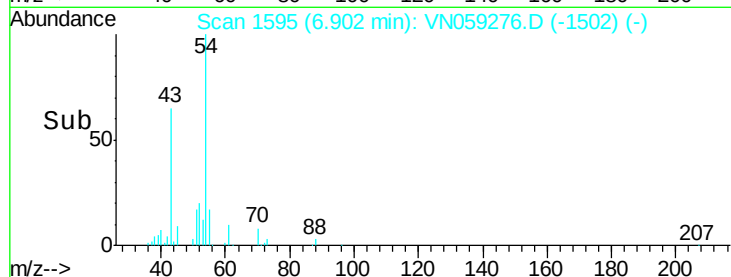
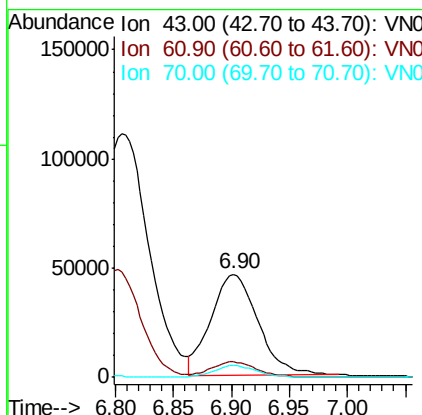
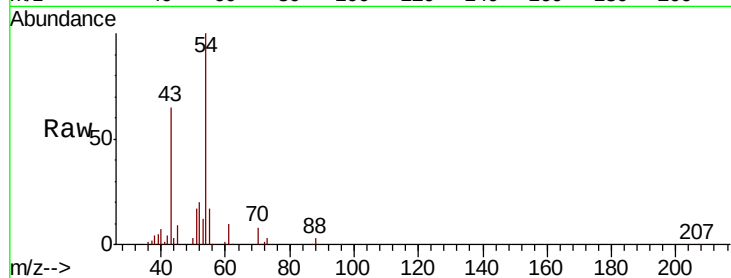
#37
Ethyl Acetate
Concen: 21.879 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	10.7	7.8	11.8

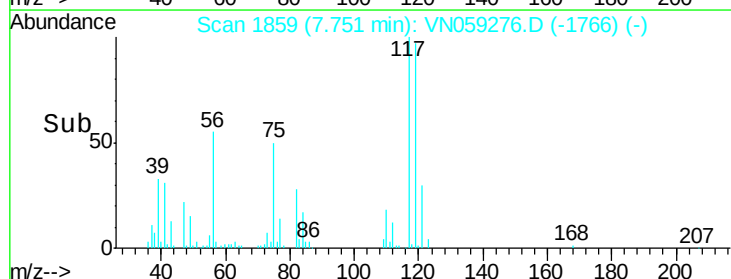
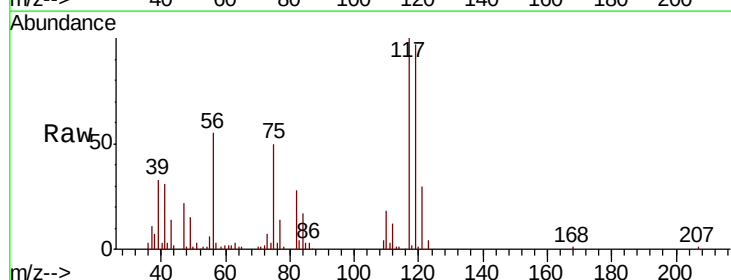
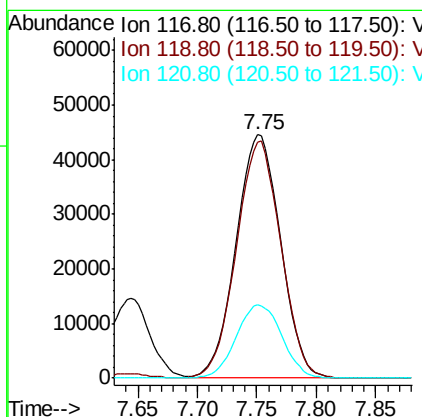
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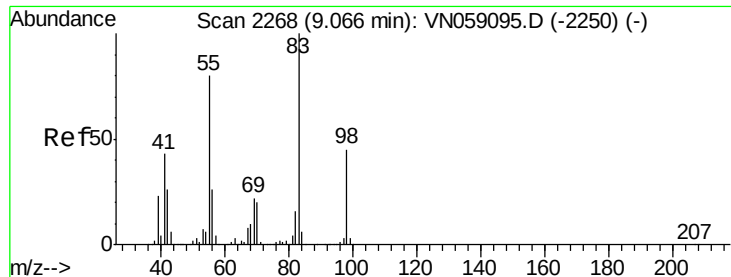
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#38
Carbon Tetrachloride
Concen: 21.358 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.6	113.4
121	30.1	24.6	36.8





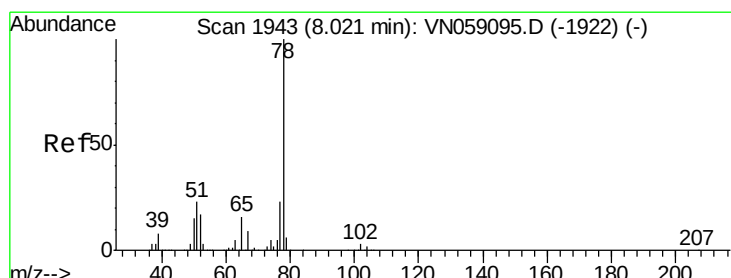
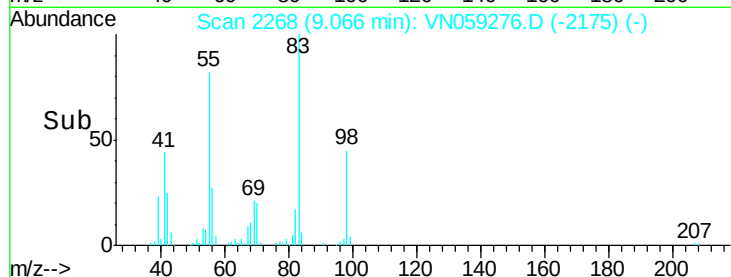
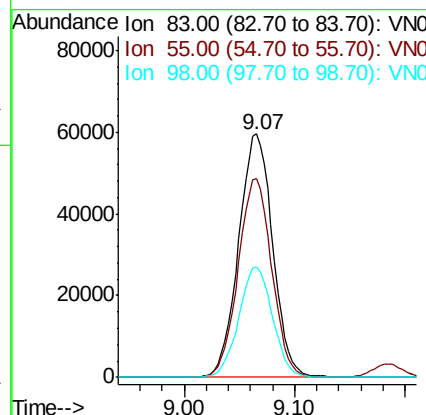
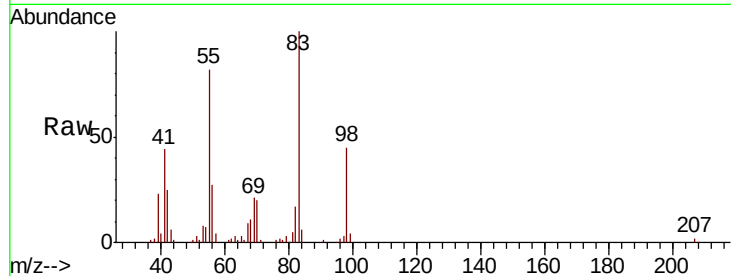
#39
Methylvlcyclohexane
Concen: 20.149 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.9	95.9
98	45.3	35.6	53.4

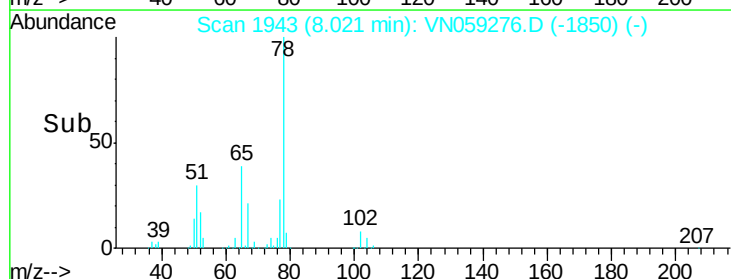
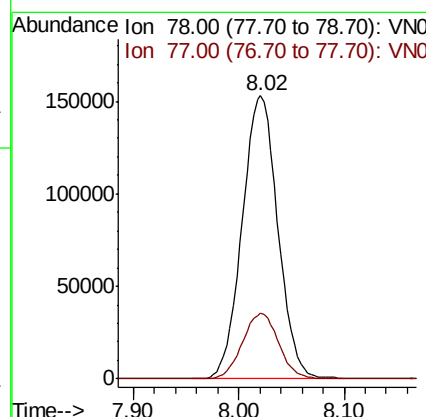
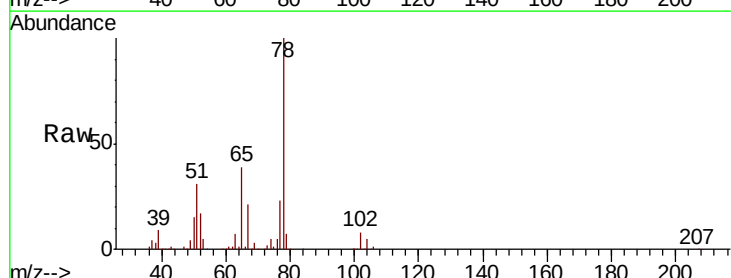
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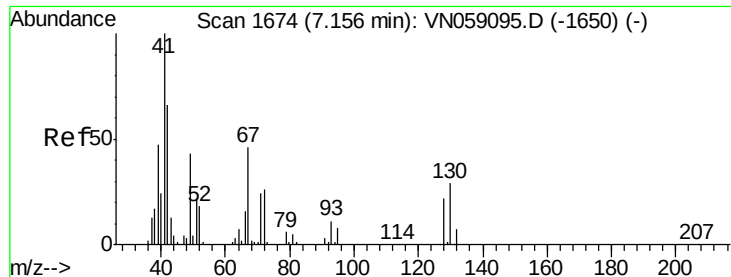
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#40
Benzene
Concen: 21.986 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





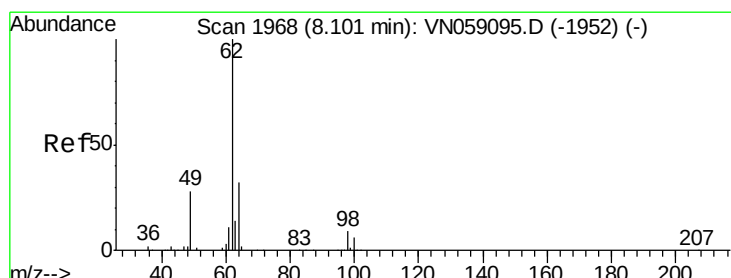
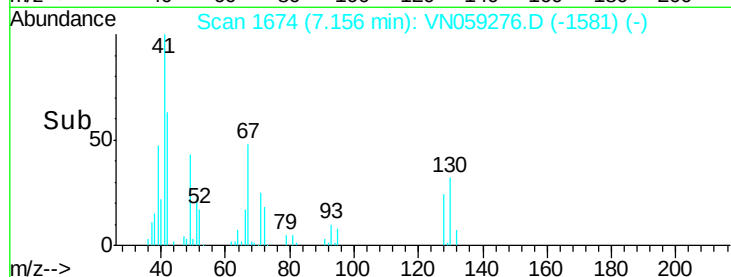
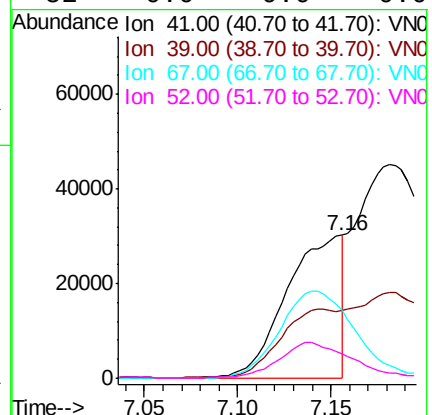
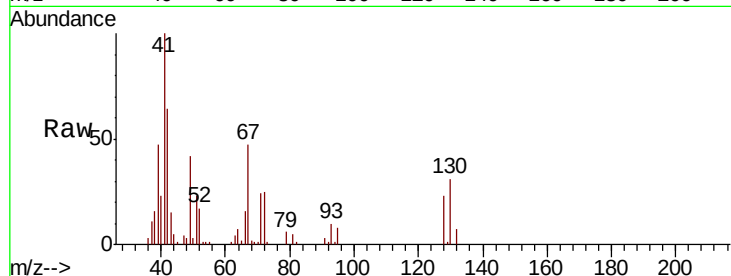
#41
Methacrylonitrile
Concen: 23.694 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		62332		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

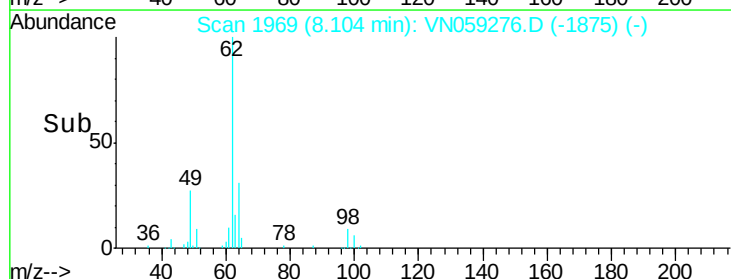
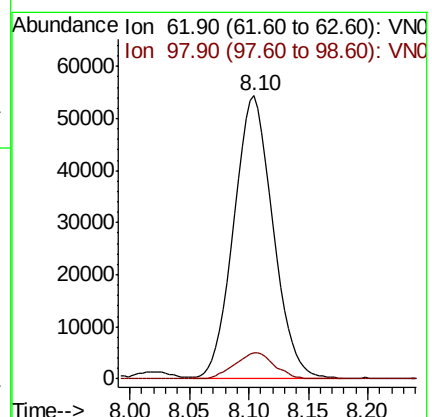
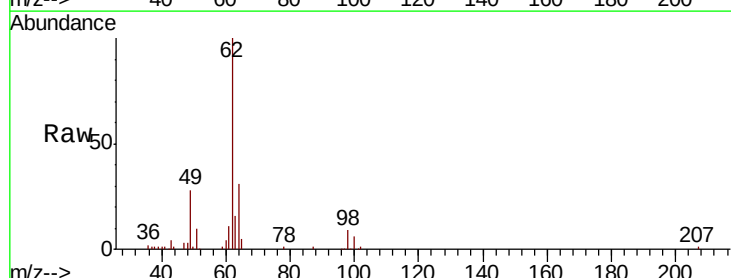
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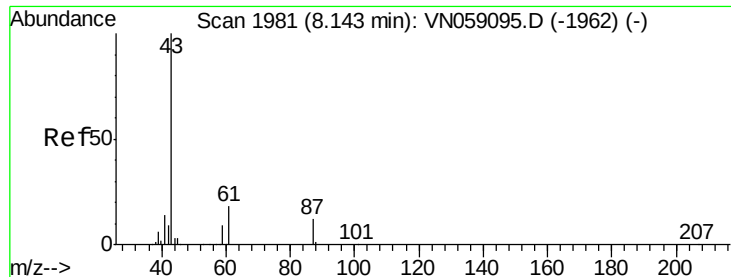
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11/19/2019 11:01:43 AM



#42
1,2-Dichloroethane
Concen: 21.915 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		123089		
98	9.4	0.0	17.8		





#43

Isopropyl Acetate

Concen: 21.672 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

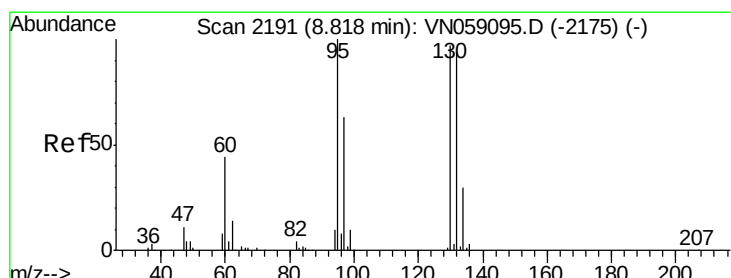
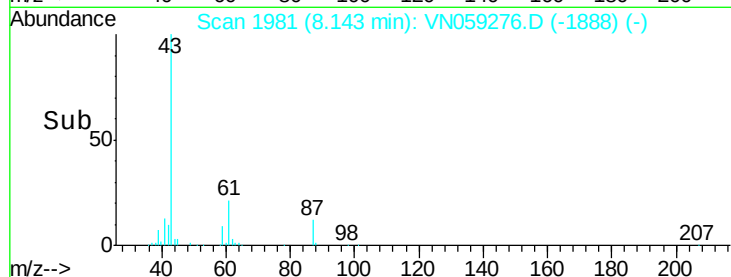
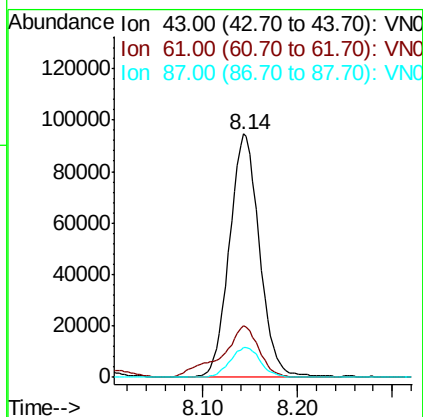
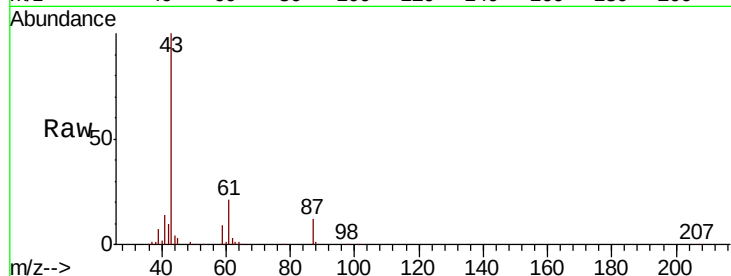
ClientSampleId :

VN1118WBS01

Tot Ion:	43	Resp:	209021
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.0	31.6
87	12.5	9.8	14.6

Manual Integrations
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11/19/2019 11:01:43 AM



#44

Trichloroethene

Concen: 22.148 ug/l

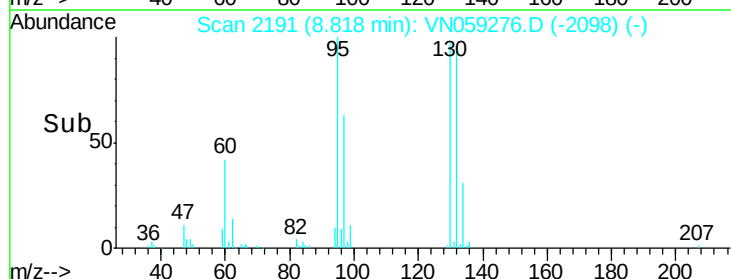
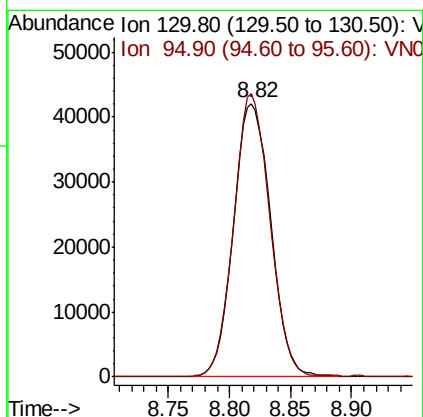
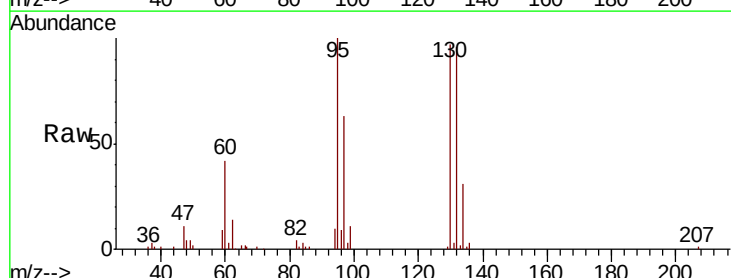
RT: 8.82 min Scan# 2191

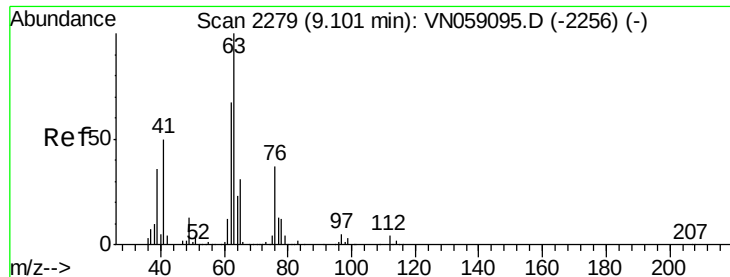
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	130	Resp:	89157
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	206.4





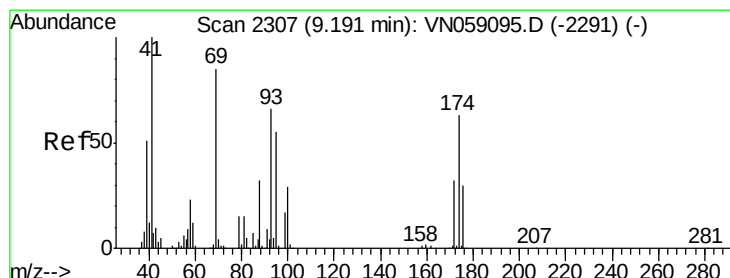
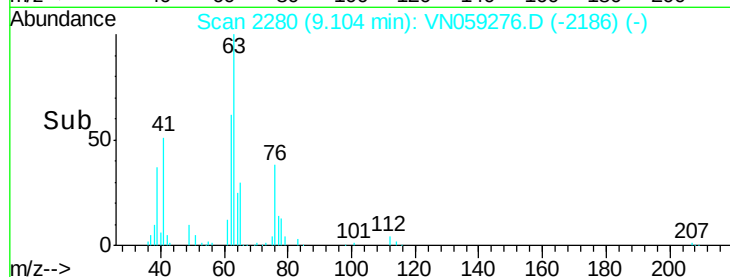
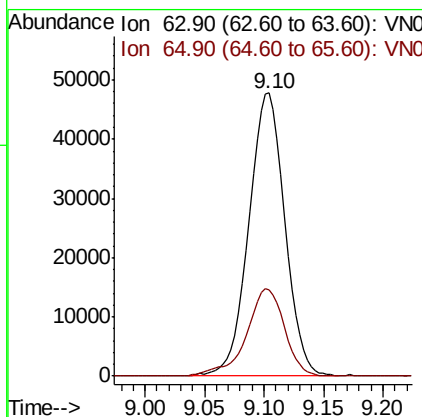
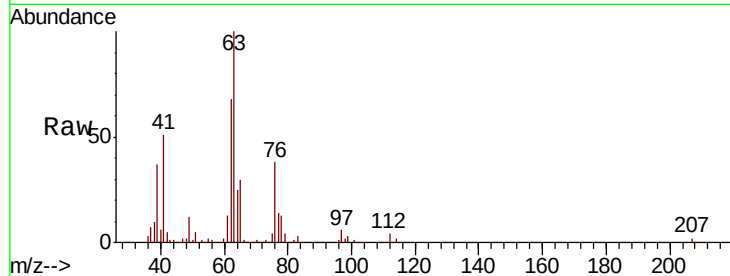
#45
 1,2-Dichloropropane
 Concen: 22.504 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion: 63 Resp: 100098
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

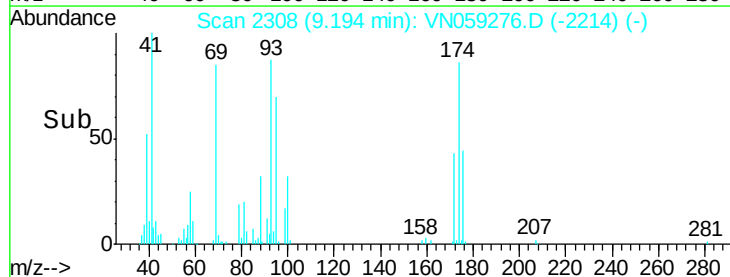
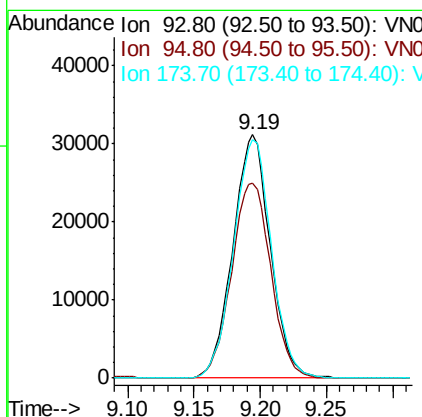
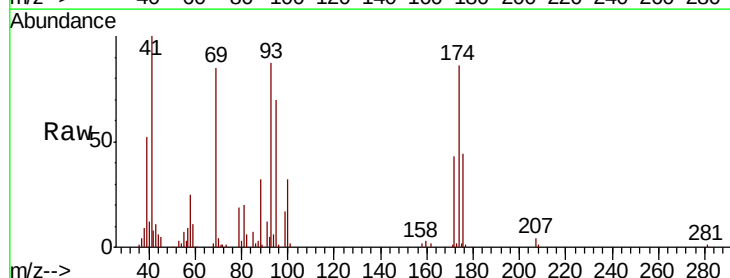
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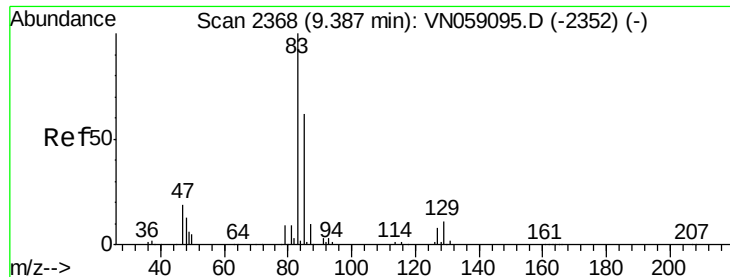
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#46
 Dibromomethane
 Concen: 22.029 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion: 93 Resp: 61060
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 99.5 78.2 117.2





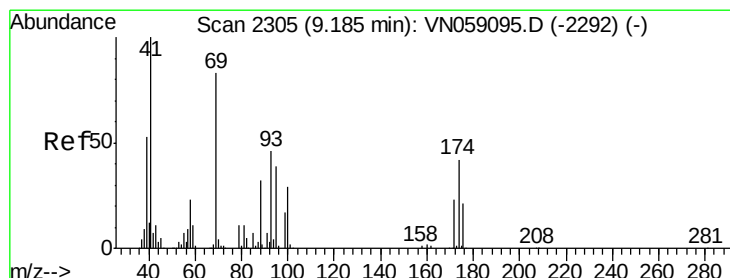
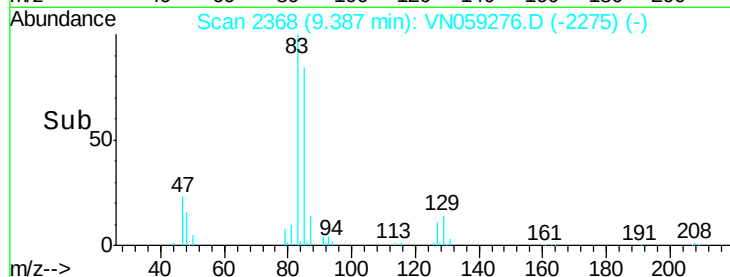
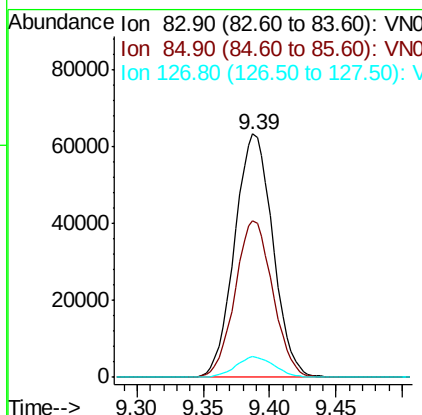
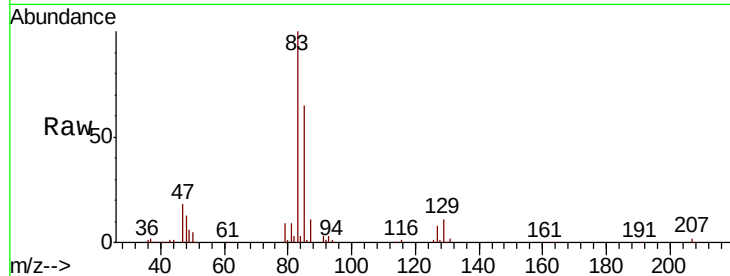
#47
Bromodichloromethane
Concen: 22.934 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.7	74.5
127	8.4	6.4	9.6

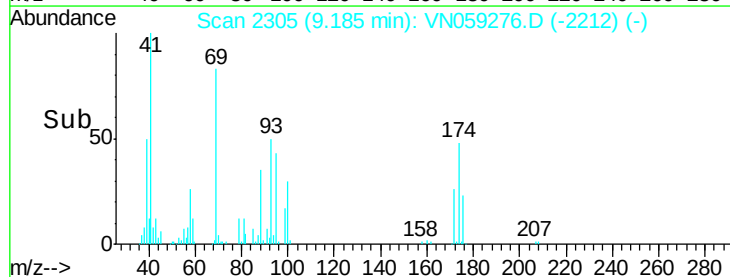
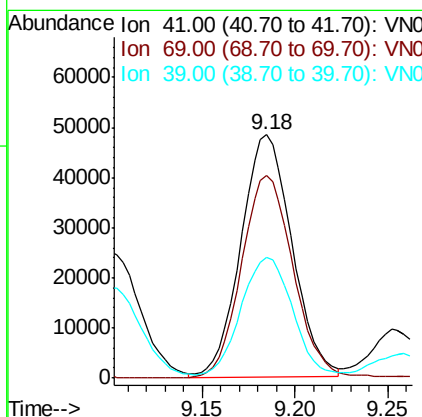
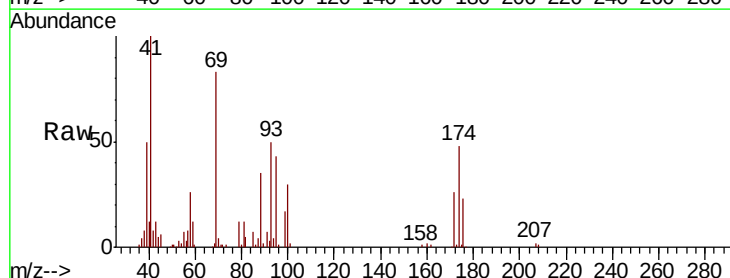
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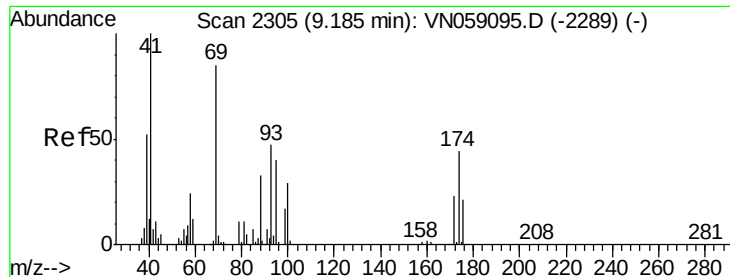
MMDADODA
11/19/2019 11:01:43 AM



#48
Methyl methacrylate
Concen: 21.513 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.3	100.9
39	50.6	43.3	64.9





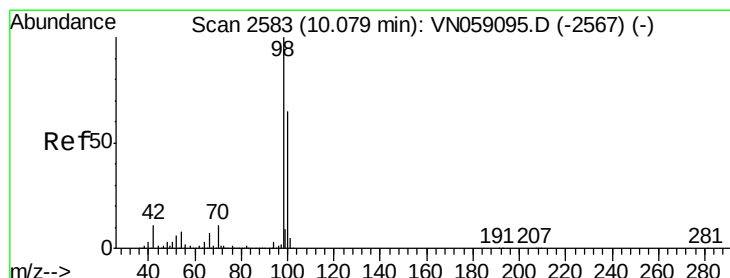
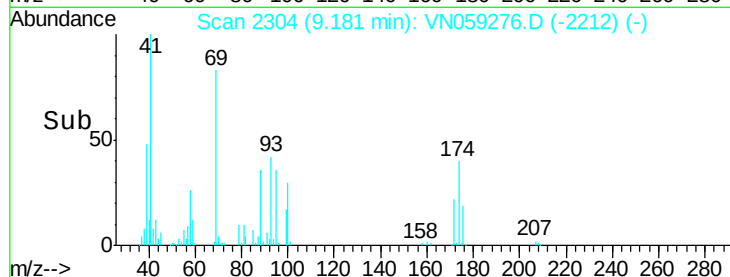
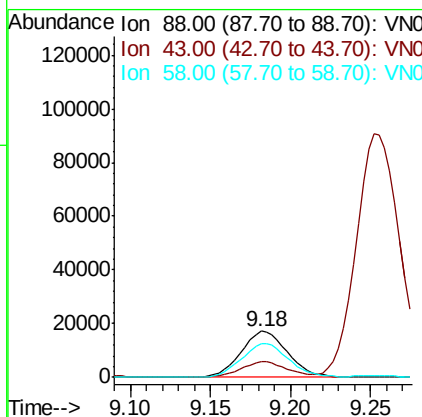
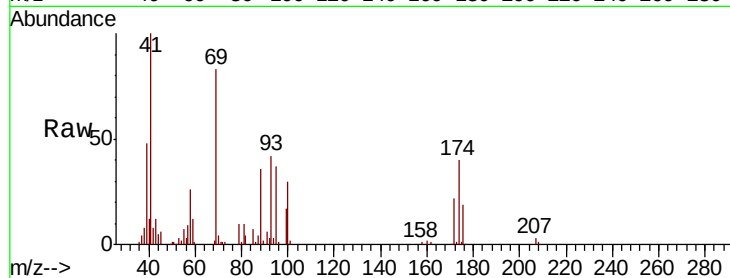
#49
1,4-Dioxane
Concen: 445.186 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.3	39.5
58	74.8	60.6	90.8

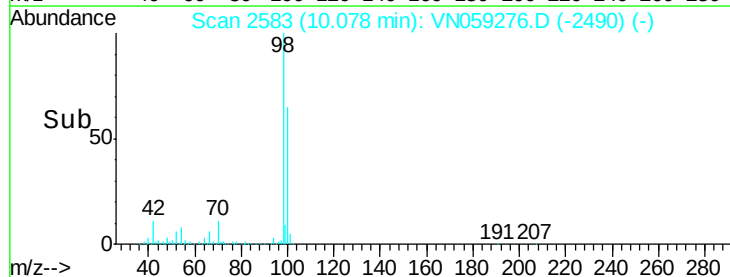
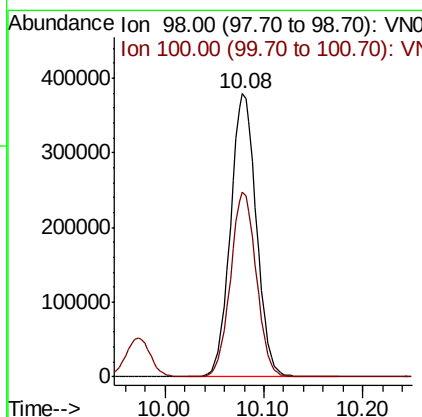
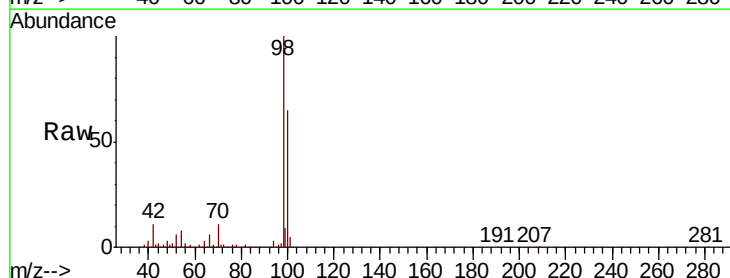
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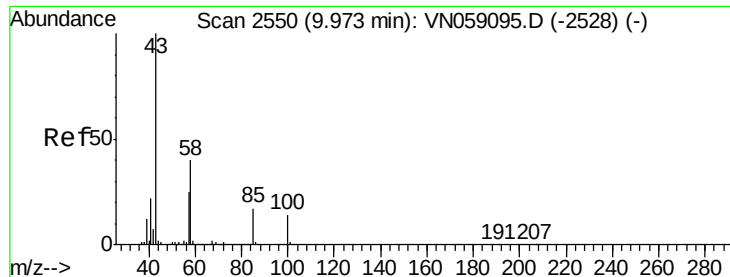
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#50
Toluene-d8
Concen: 50.653 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





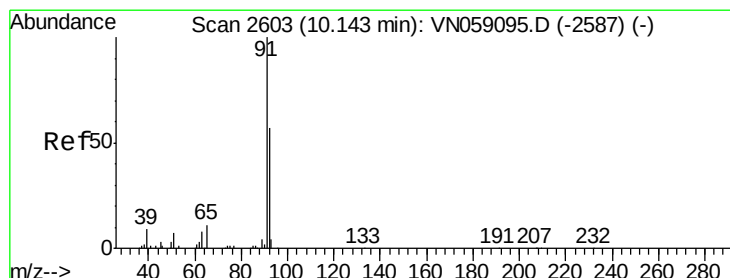
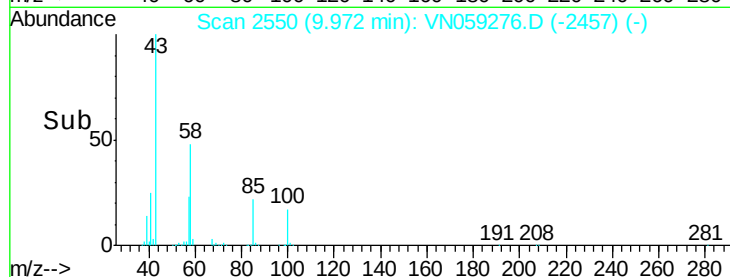
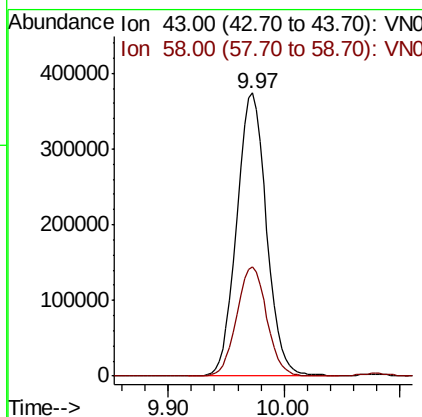
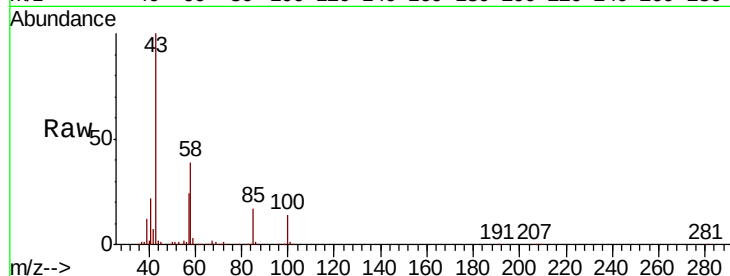
#51
4-Methyl-2-Pentanone
Concen: 122.095 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3

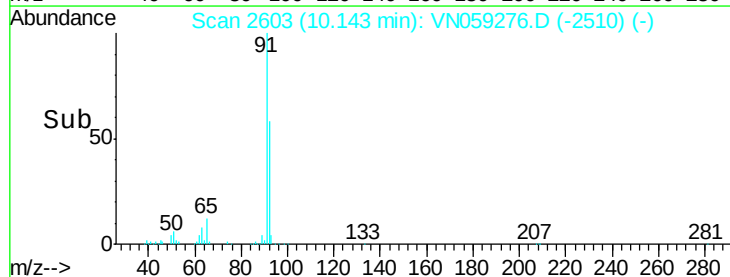
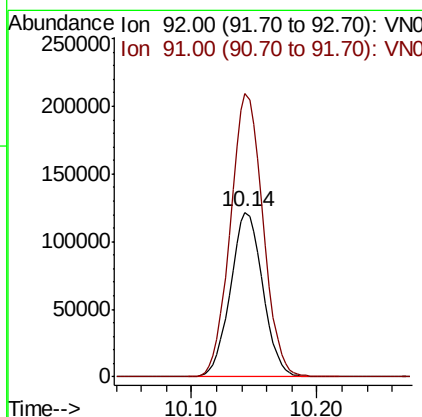
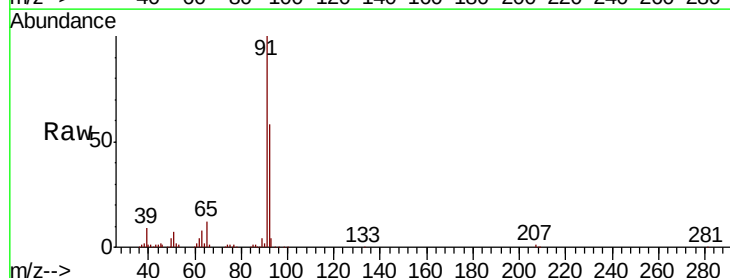
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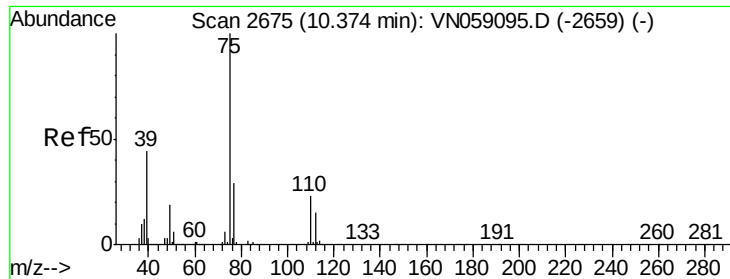
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#52
Toluene
Concen: 22.187 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	139.5	209.3





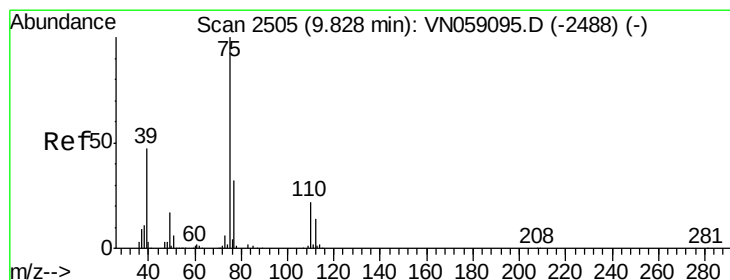
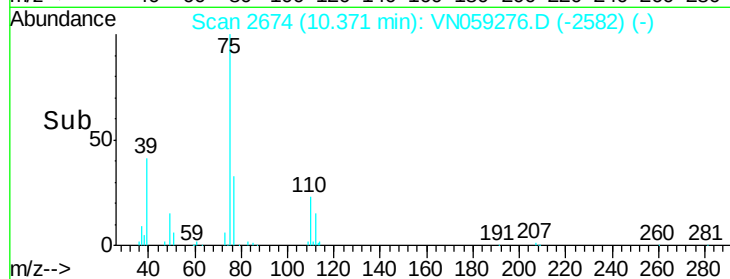
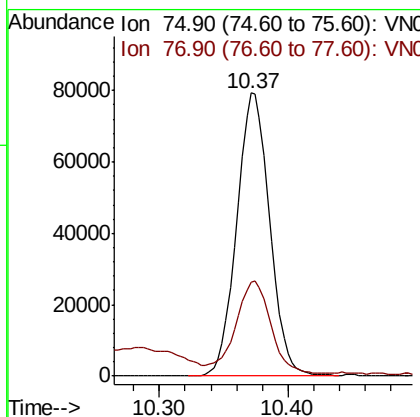
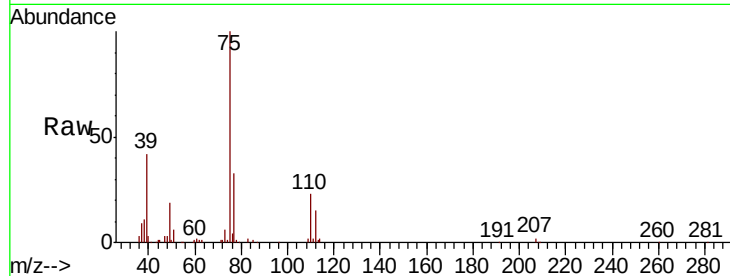
#53
t-1,3-Dichloropropene
Concen: 22.088 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

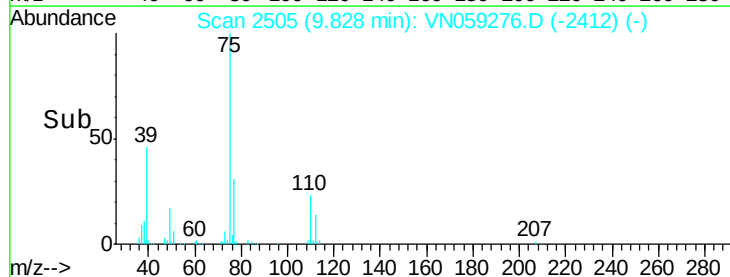
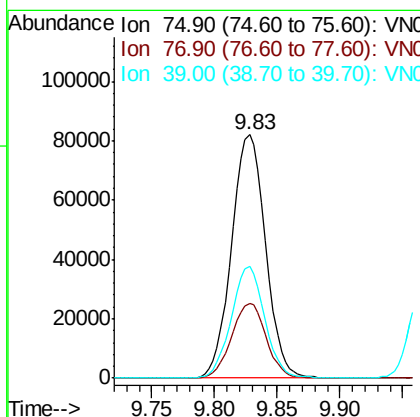
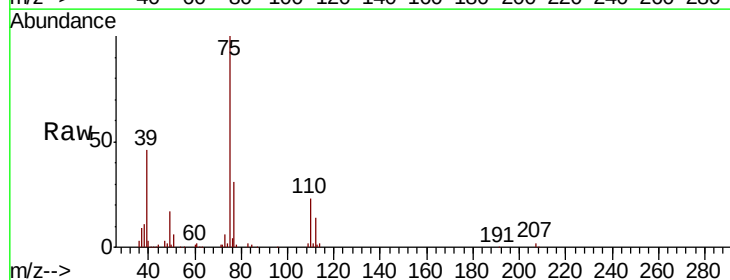
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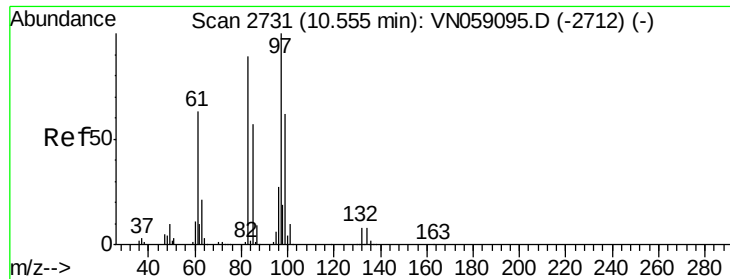
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#54
cis-1,3-Dichloropropene
Concen: 22.470 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	45.5	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 23.095 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

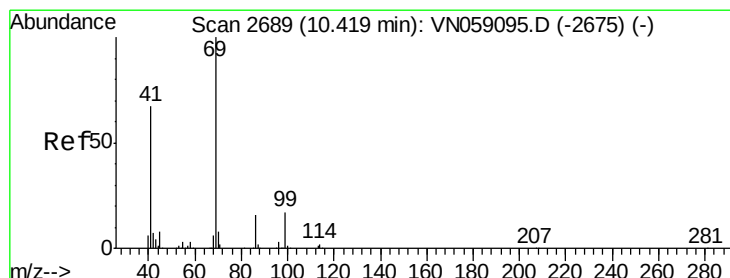
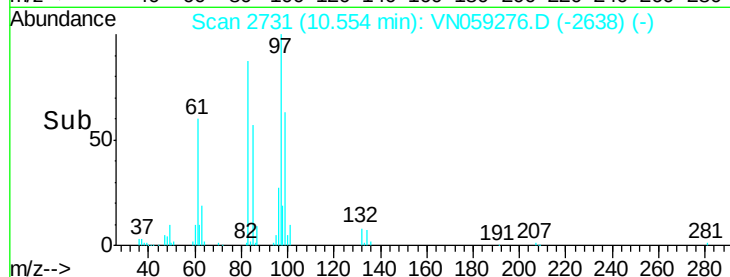
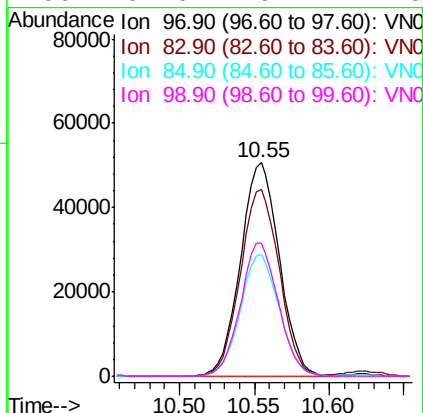
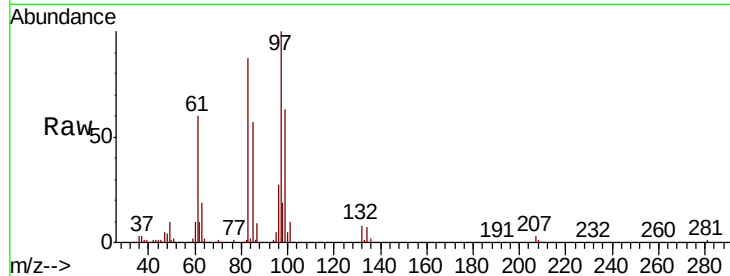
ClientSampleId :

VN1118WBS01

Tot Ion:	97	Resp:	91743
Ion	Ratio	Lower	Upper
97	100		
83	87.4	71.0	106.4
85	56.8	45.8	68.8
99	62.6	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.735 ug/l

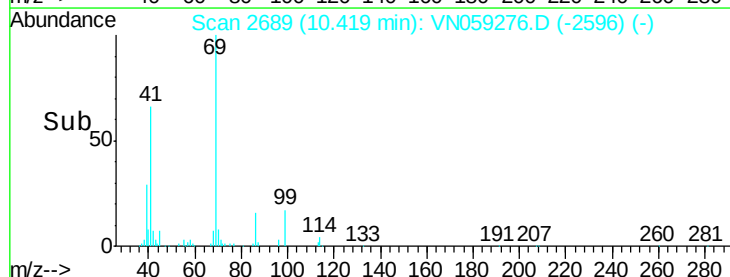
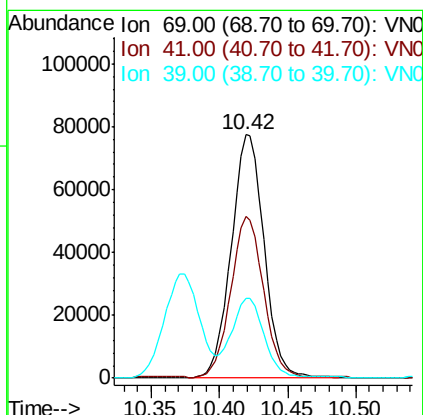
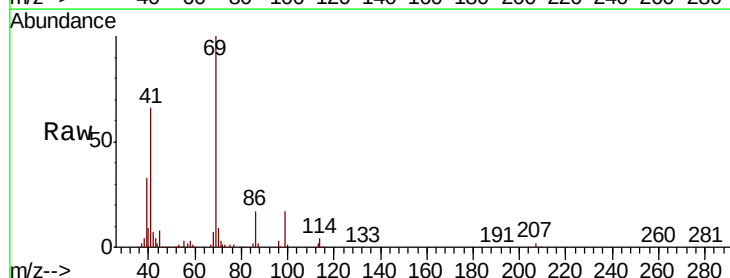
RT: 10.42 min Scan# 2689

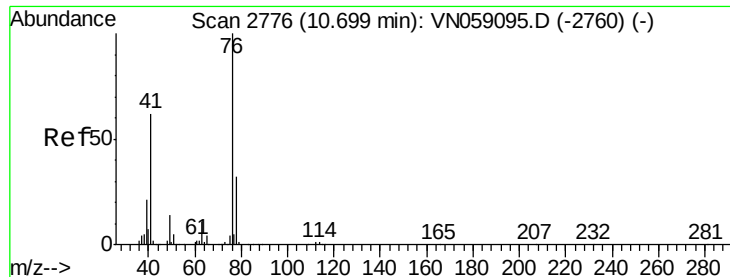
Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	69	Resp:	129833
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.6	80.4
39	32.3	26.2	39.4





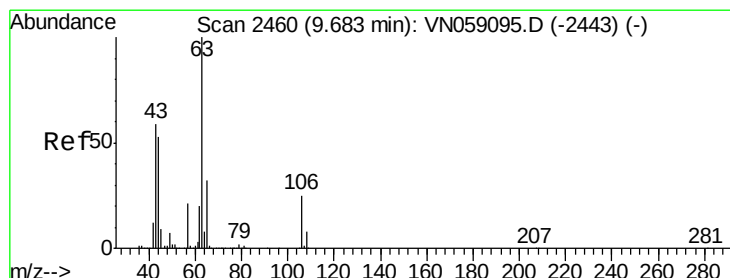
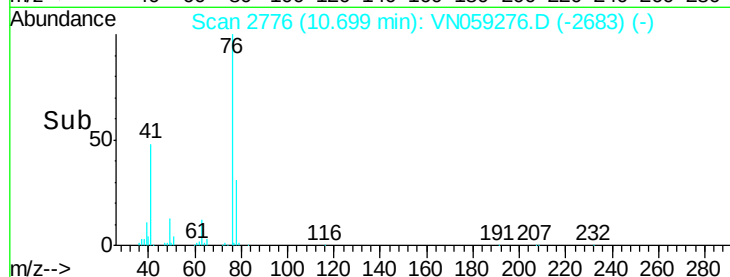
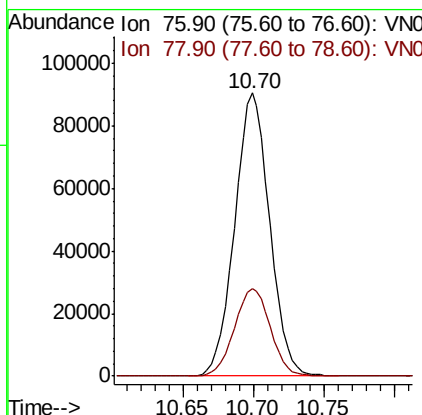
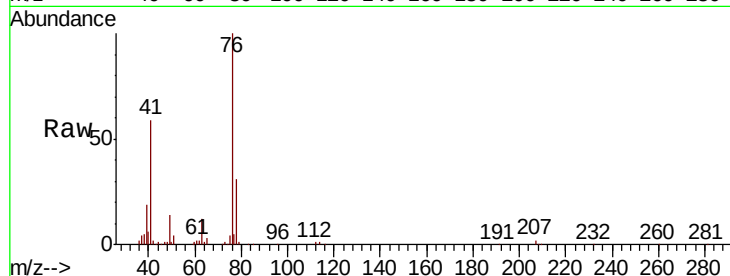
#57
 1,3-Dichloropropane
 Concen: 22.963 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

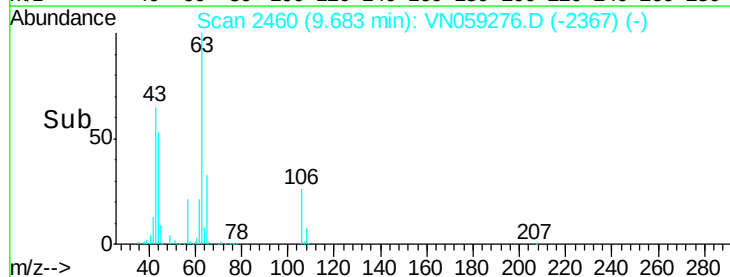
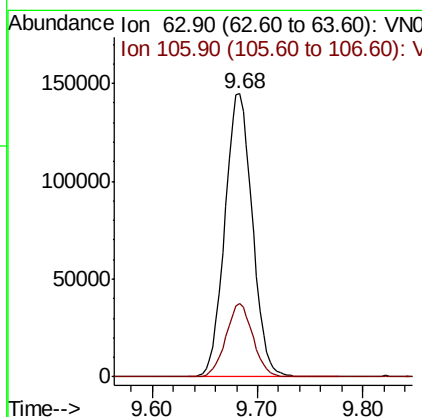
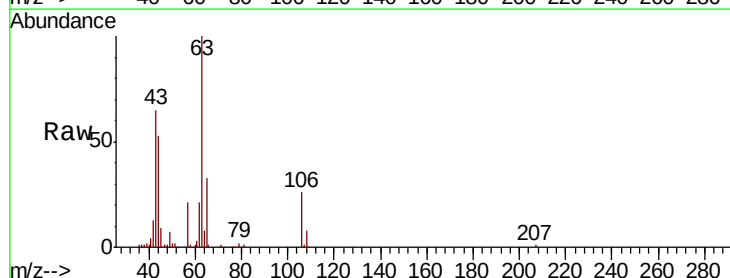
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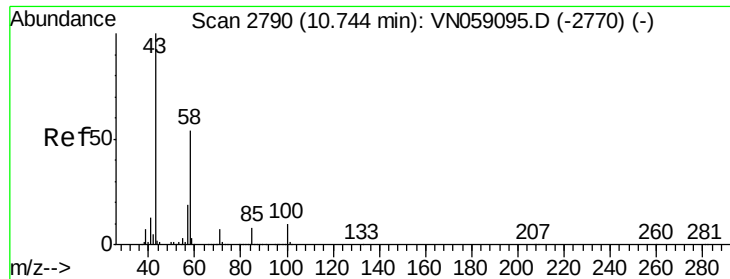
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.075 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	20.2	30.2





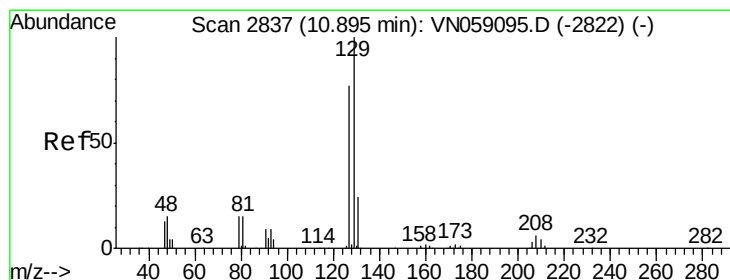
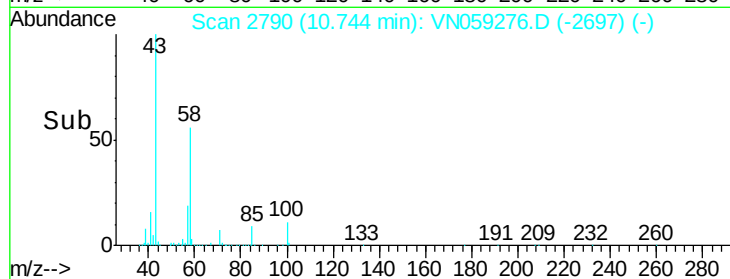
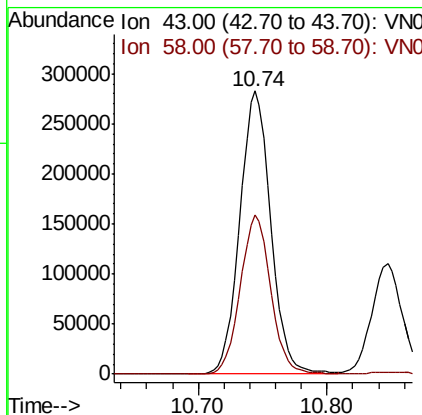
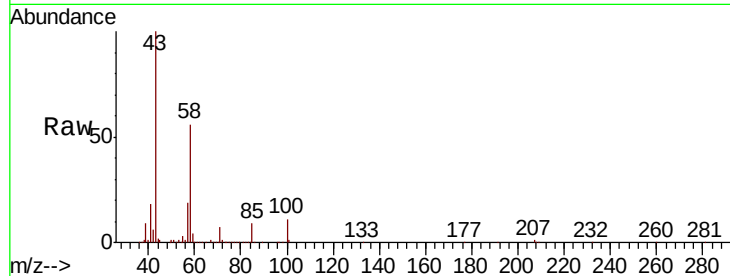
#59
2-Hexanone
Concen: 112.578 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

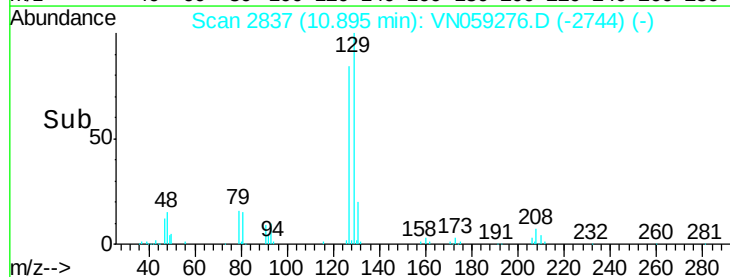
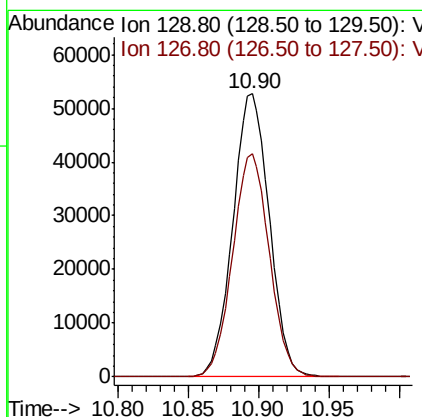
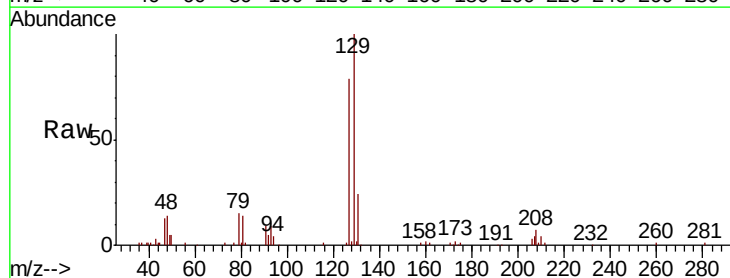
Manual Integrations
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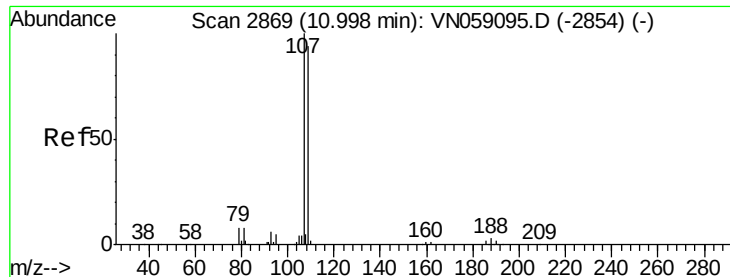
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#60
Dibromochloromethane
Concen: 22.767 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.6	115.8





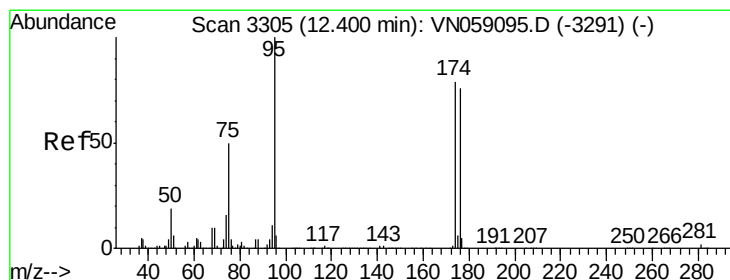
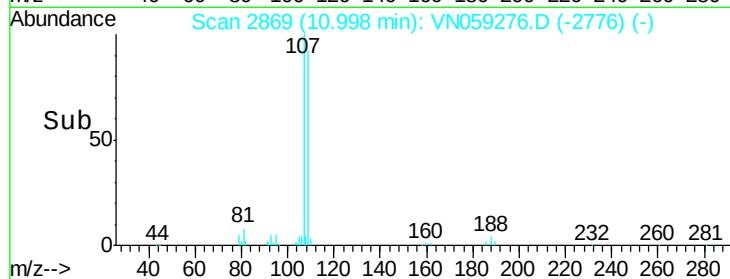
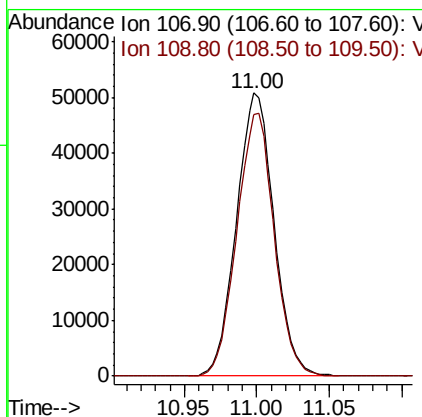
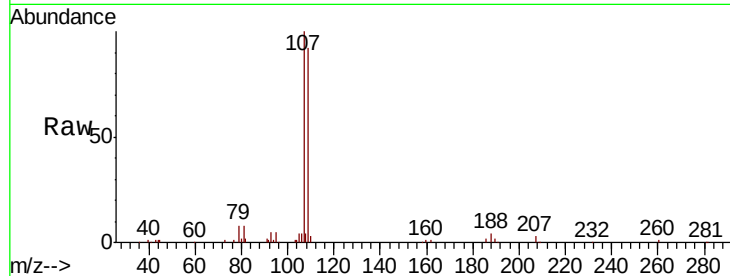
#61
 1,2-Dibromoethane
 Concen: 22.717 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.5	113.3

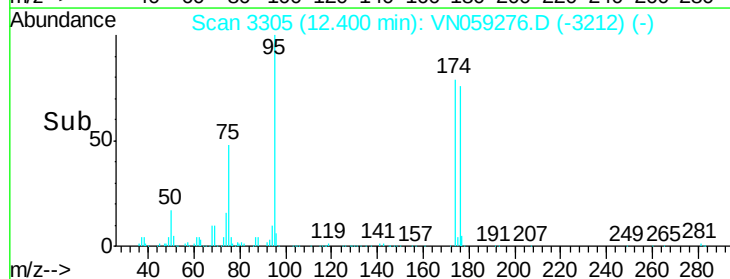
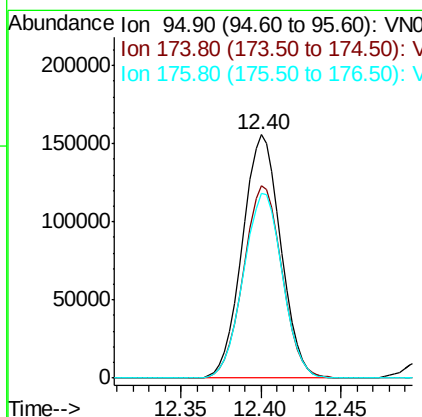
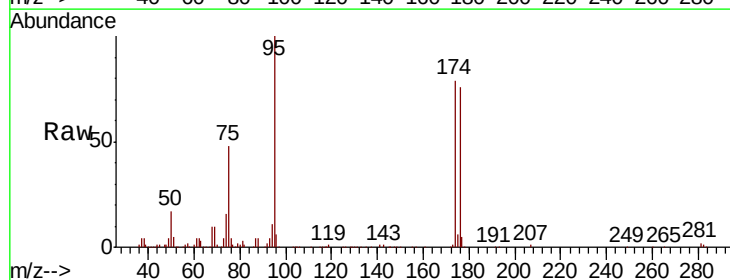
Manual Integrations
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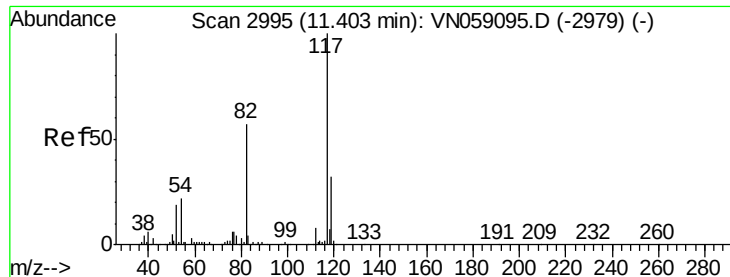
MMDADODA
 11/19/2019 11:01:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.563 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	158.2
176	77.5	0.0	151.8





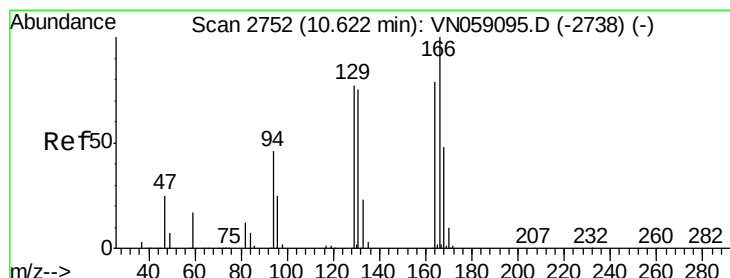
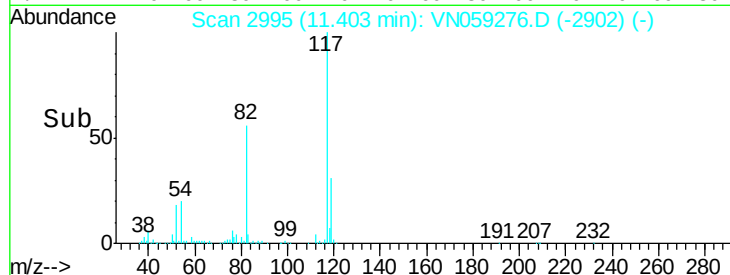
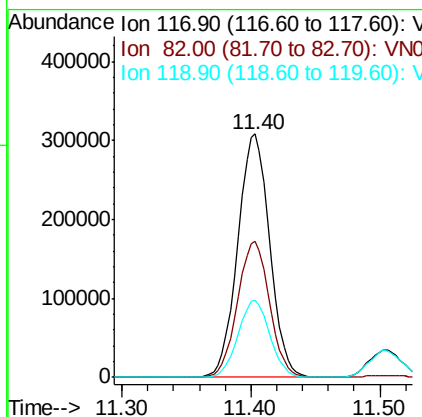
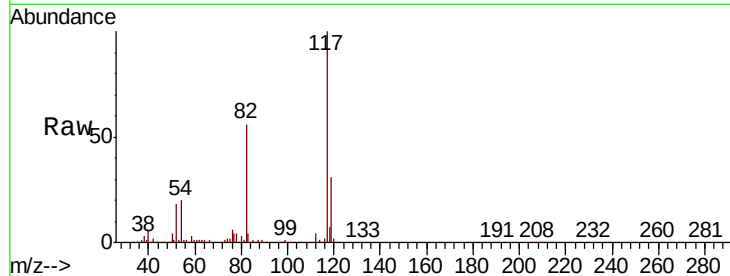
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	529949		
82	55.8		45.8	68.8
119	31.5		25.8	38.6

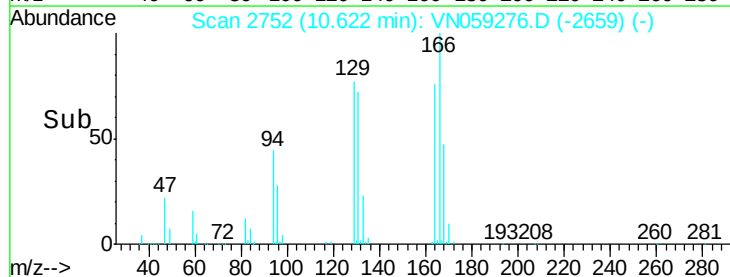
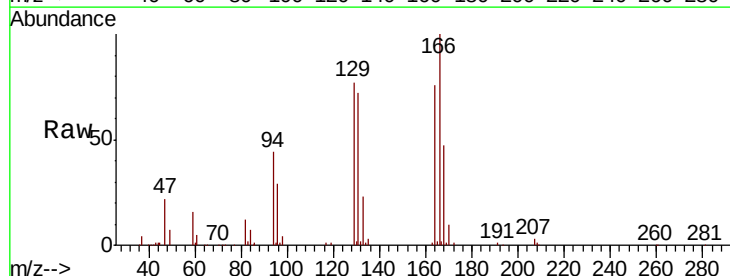
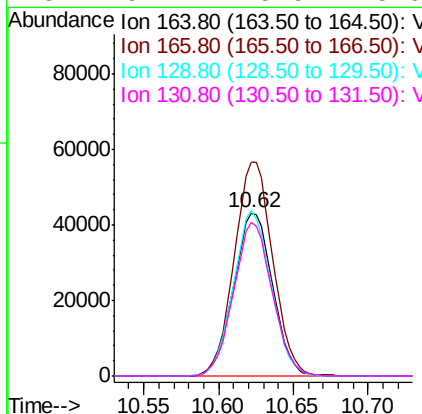
Manual Integrations
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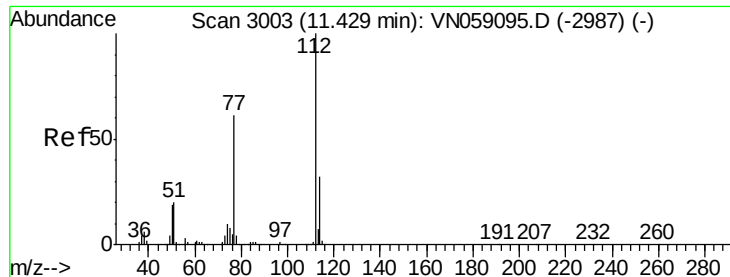
MMDADODA
11/19/2019 11:01:43 AM



#64
Tetrachloroethene
Concen: 21.777 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78475		
166	131.1		101.5	152.3
129	101.2		78.3	117.5
131	94.2		75.9	113.9





#65

Chlorobenzene

Concen: 22.212 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion:112 Resp: 229471

Ion Ratio Lower Upper

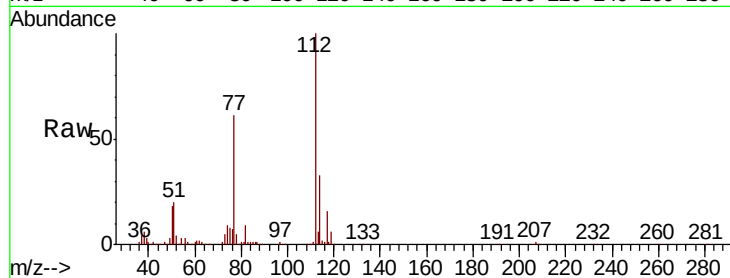
112 100

114 32.7 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

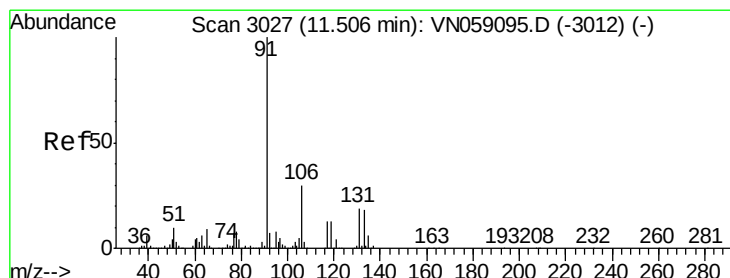
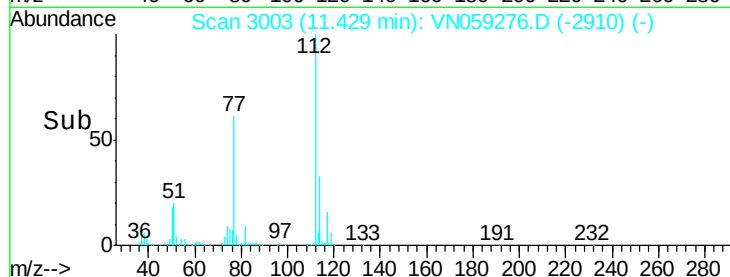
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.039 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

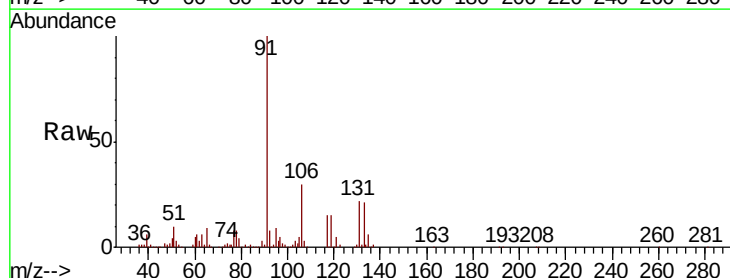
Tgt Ion:131 Resp: 89282

Ion Ratio Lower Upper

131 100

133 98.0 47.4 142.3

119 67.3 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

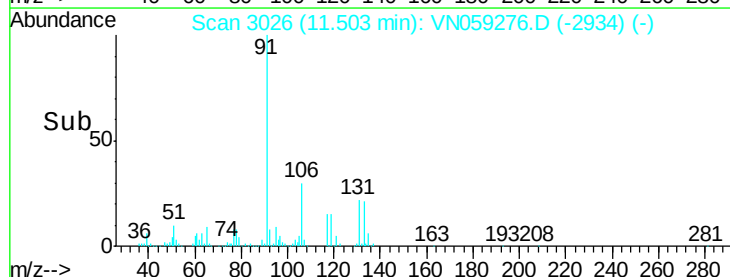
60000

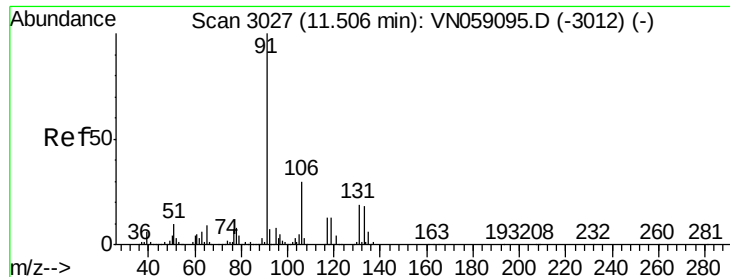
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 22.569 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 91 Resp: 413666

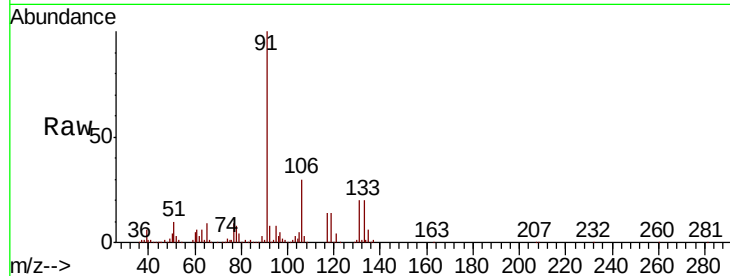
Ion Ratio Lower Upper

91 100

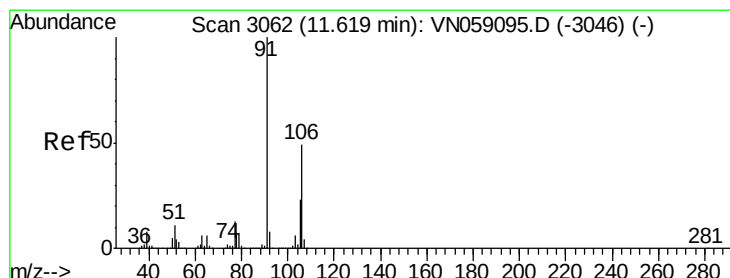
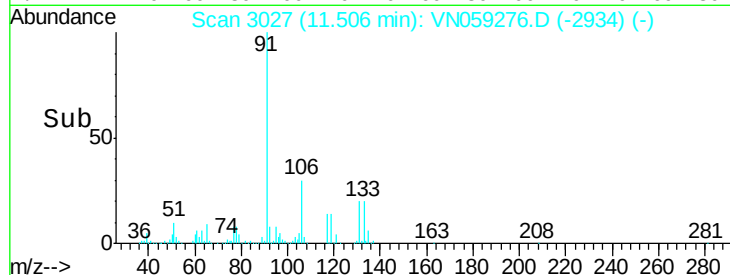
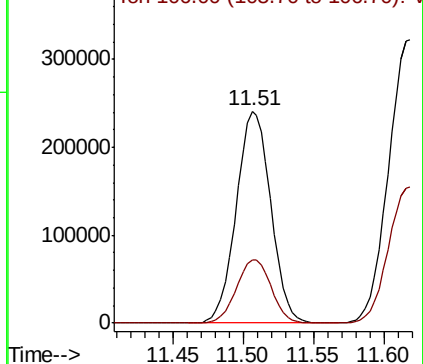
106 30.0 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059276.D (-2934) (-)



#68

m/p-Xylenes

Concen: 44.408 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059276.D

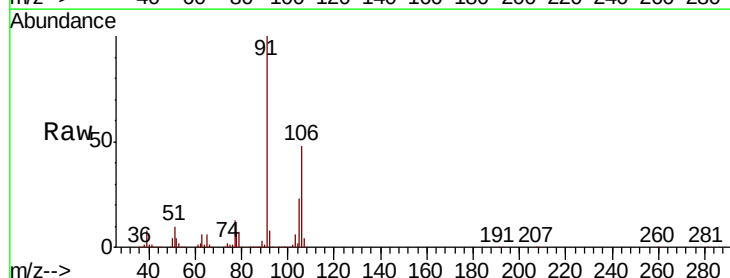
Acq: 18 Nov 2019 12:26

Tgt Ion: 106 Resp: 304900

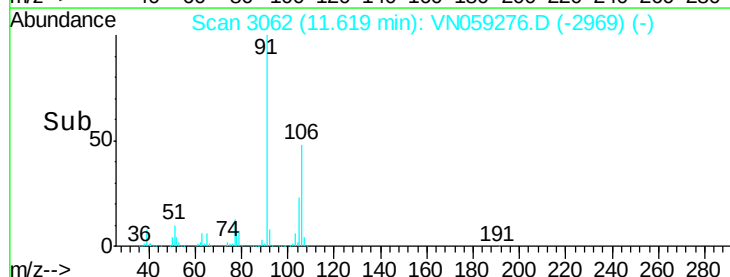
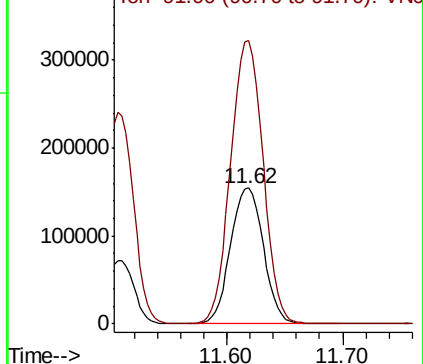
Ion Ratio Lower Upper

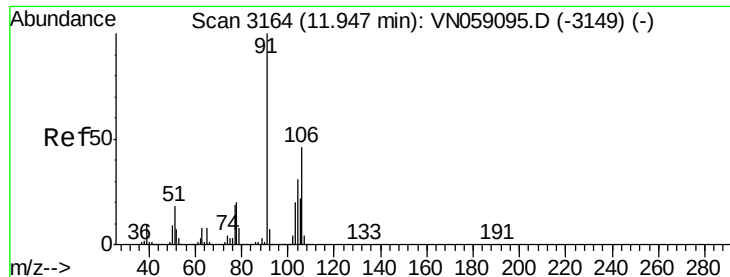
106 100

91 205.4 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059276.D (-2969) (-)





#69

o-Xylene

Concen: 21.881 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion:106 Resp: 145186

Ion Ratio Lower Upper

106 100

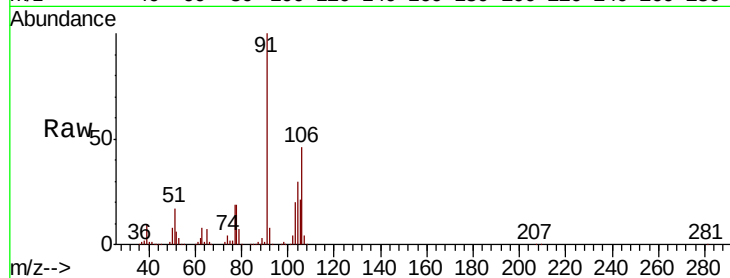
91 221.2 110.1 330.3

Manual Integrations

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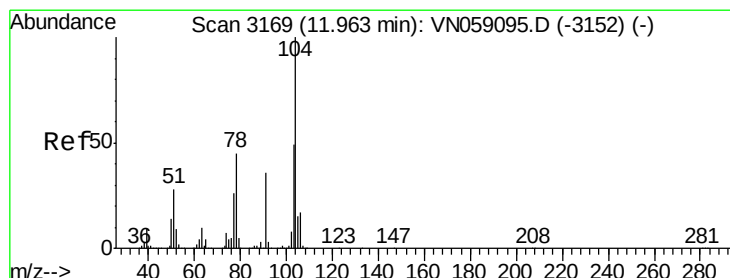
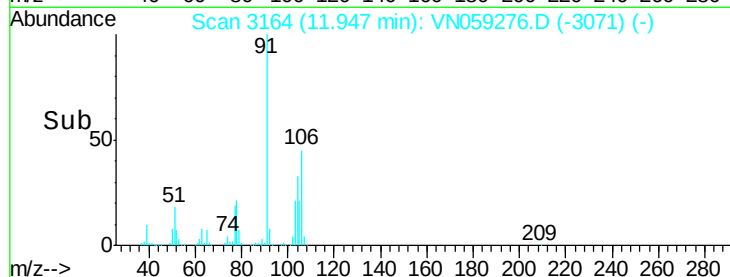
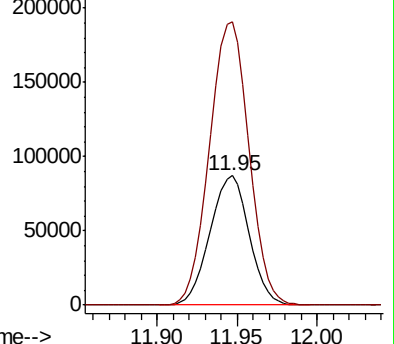
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 22.066 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

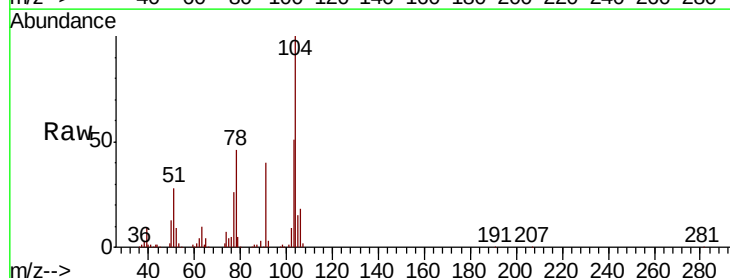
Tgt Ion:104 Resp: 230267

Ion Ratio Lower Upper

104 100

78 52.3 41.2 61.8

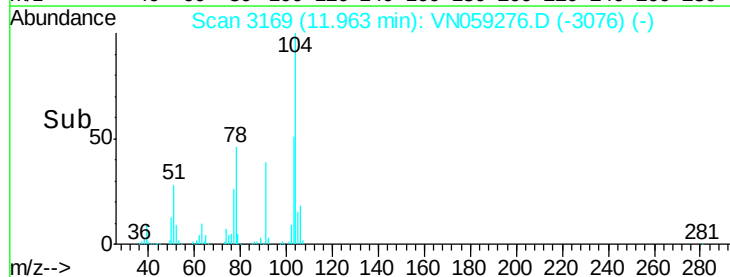
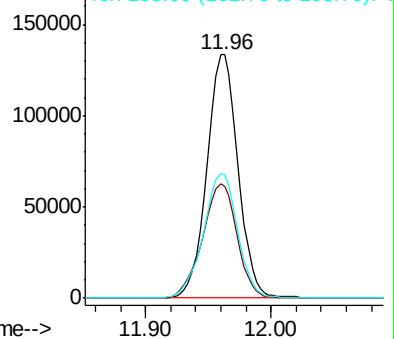
103 56.3 43.8 65.6

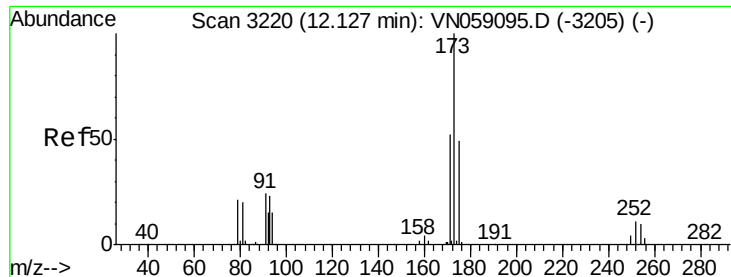


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.553 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

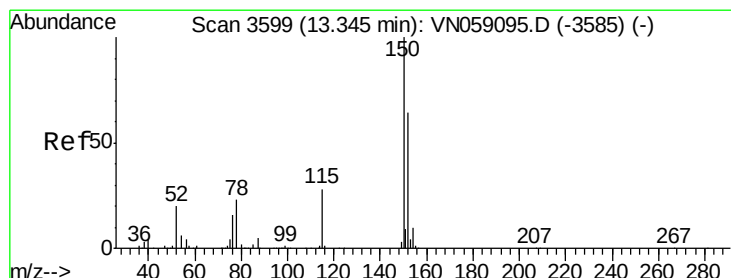
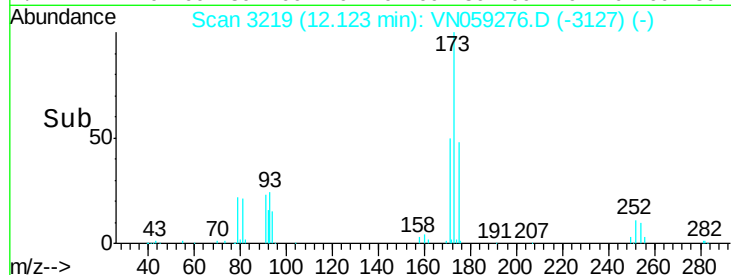
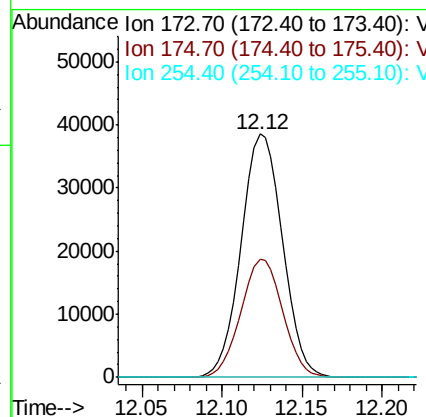
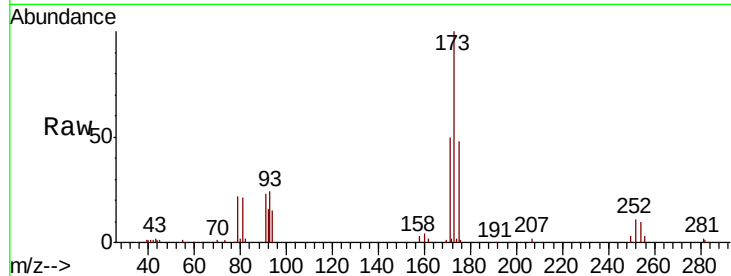
ClientSampleId :

VN1118WBS01

Tot Ion:	173	Resp:	67983
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

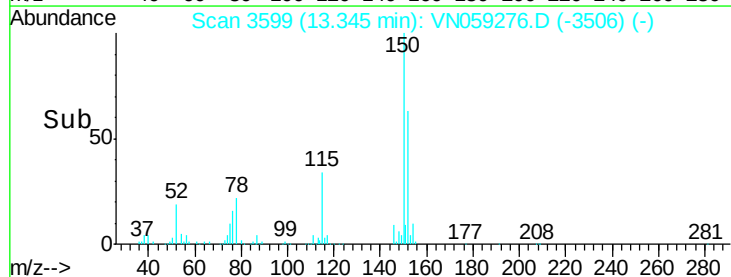
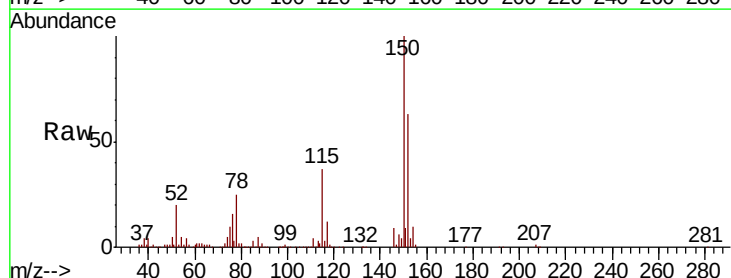
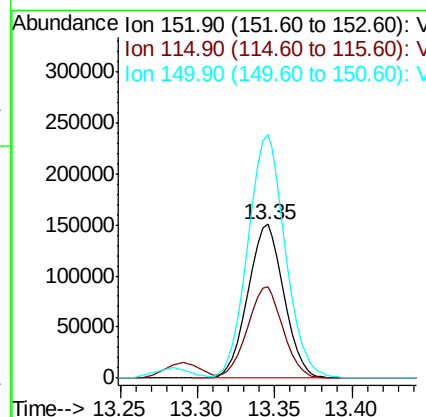
RT: 13.35 min Scan# 3599

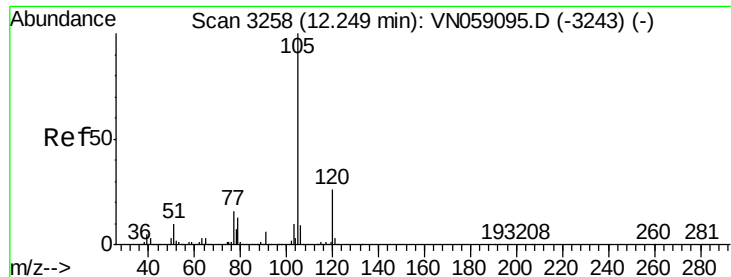
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	152	Resp:	244084
Ion Ratio	Lower	Upper	
152	100		
115	58.3	29.4	88.2
150	164.1	0.0	345.8





#73

Isopropylbenzene

Concen: 22.322 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 105 Resp: 396318

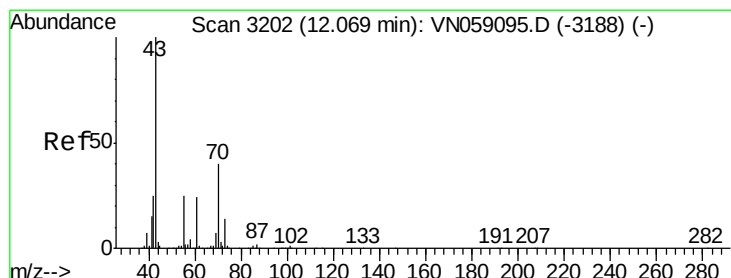
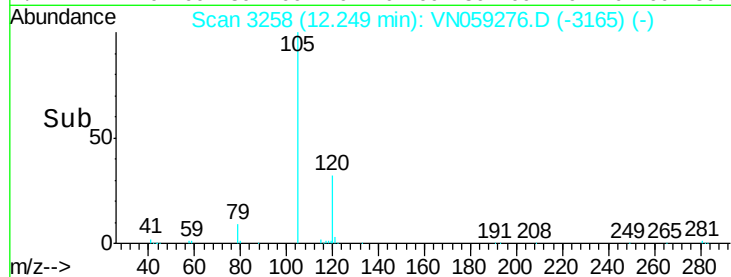
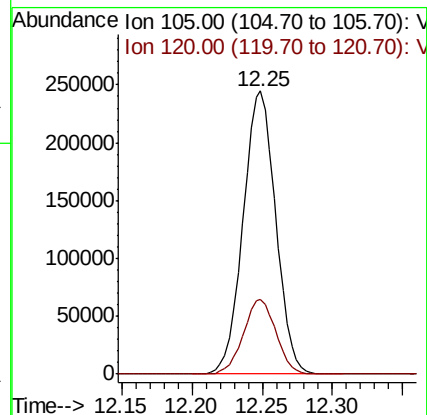
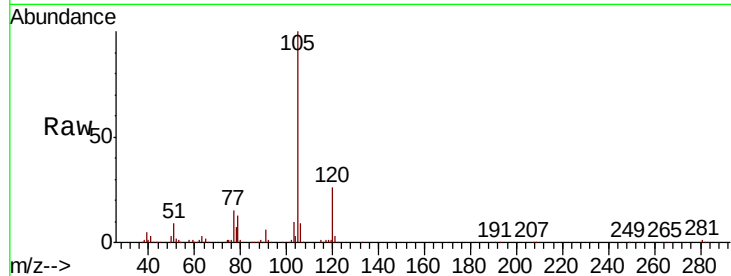
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.375 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion: 43 Resp: 160809

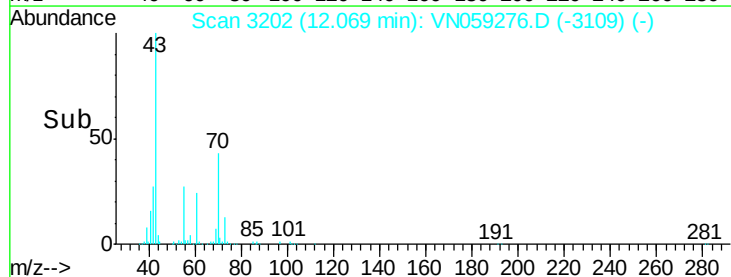
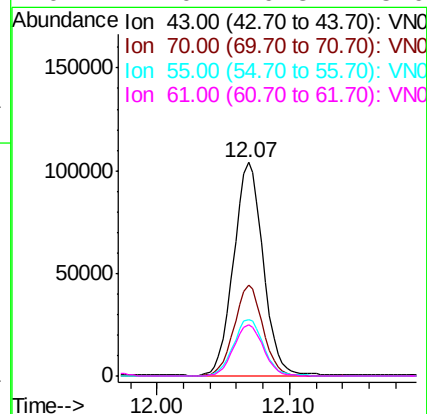
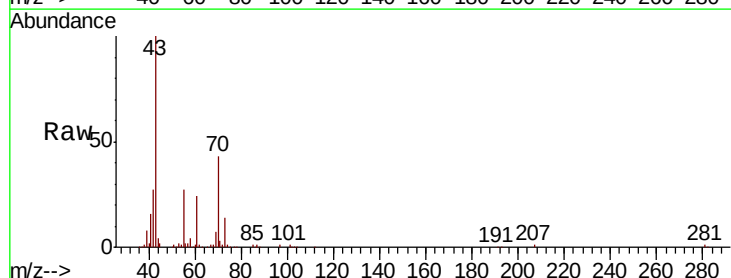
Ion Ratio Lower Upper

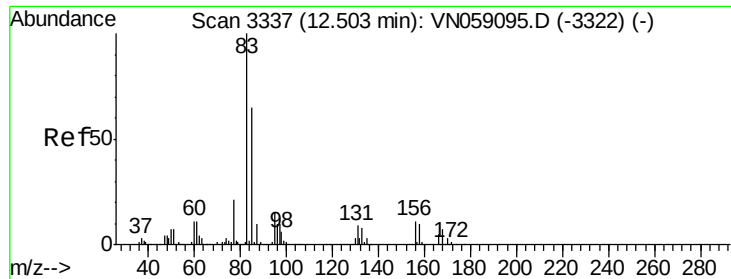
43 100

70 41.6 32.2 48.4

55 27.3 20.4 30.6

61 24.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.790 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

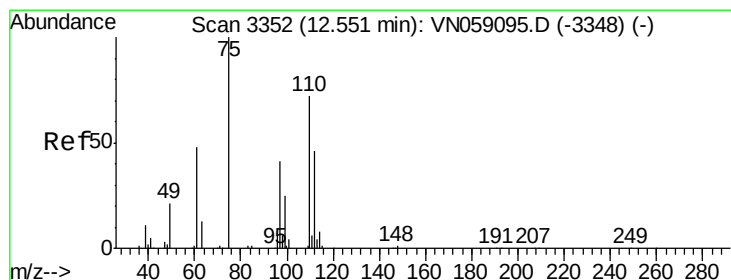
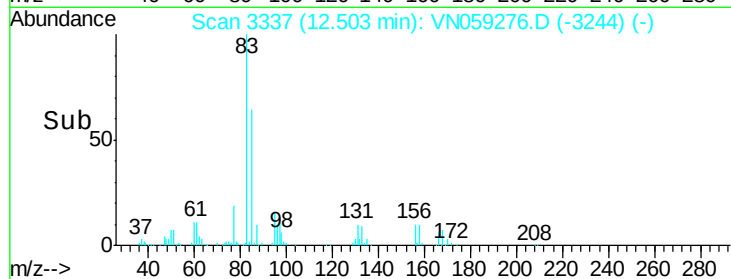
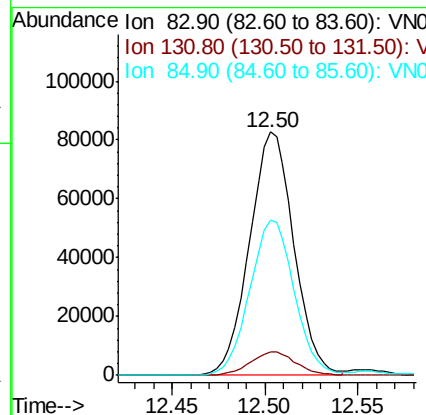
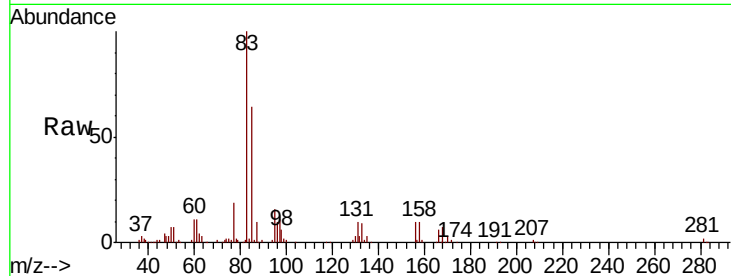
ClientSampleId :

VN1118WBS01

Tot Ion:	83	Resp:	137796
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.974 ug/l m

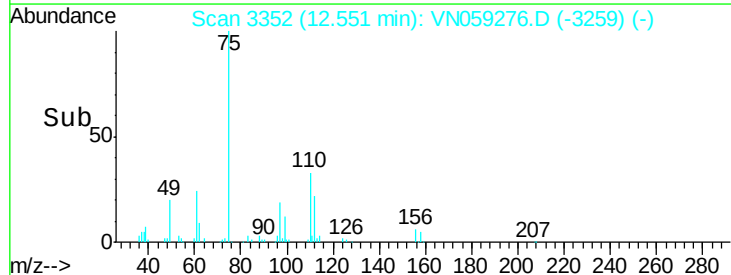
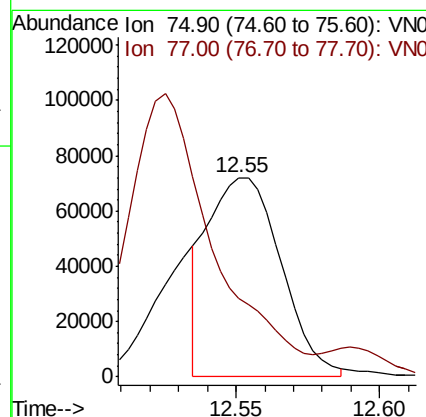
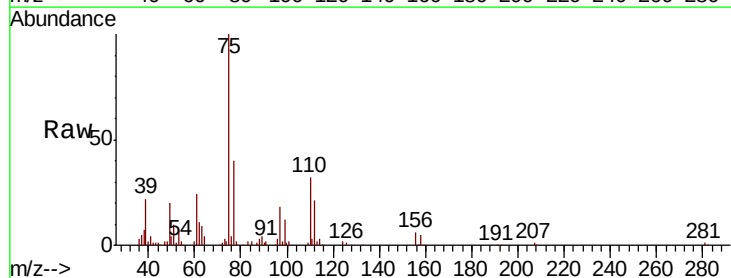
RT: 12.55 min Scan# 3352

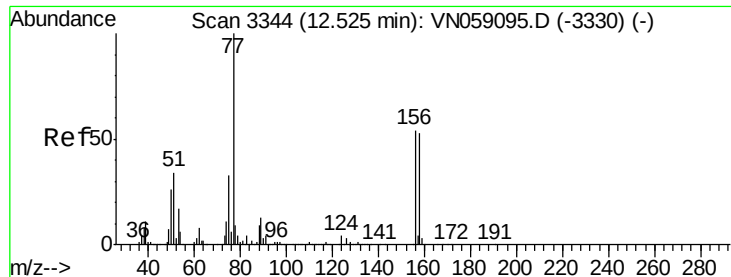
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	75	Resp:	127666
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

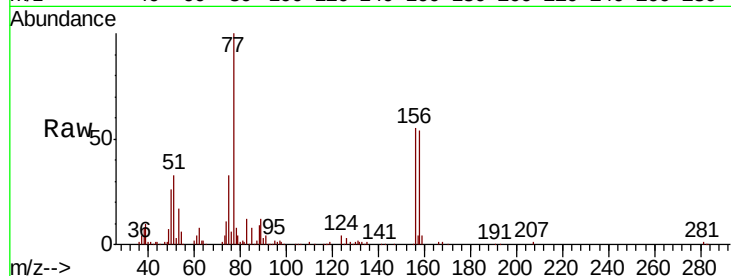
ClientSampleId :

VN1118WBS01

Tot Ion:	156	Resp:	96495
Ion	Ratio	Lower	Upper
156	100		
77	222.3	112.8	338.3
158	97.2	48.4	145.3

Manual Integrations
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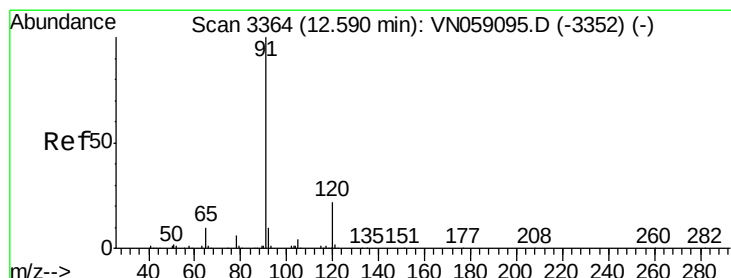
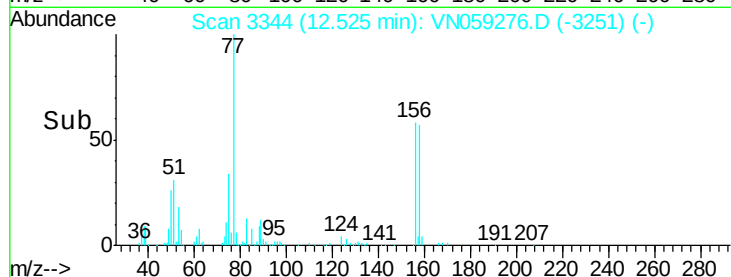
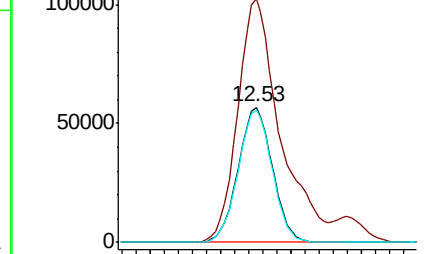
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.082 ug/l

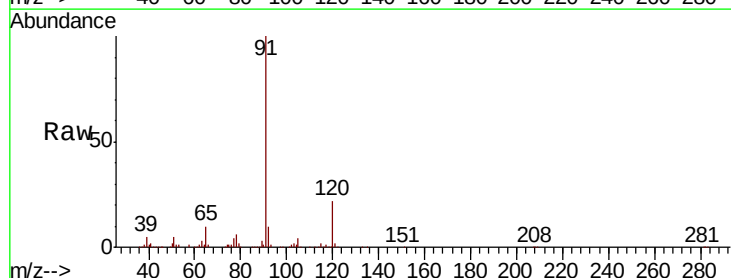
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059276.D

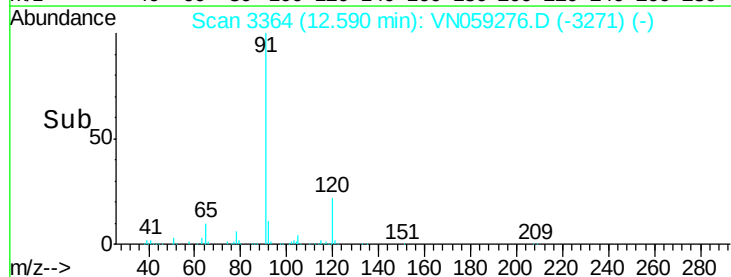
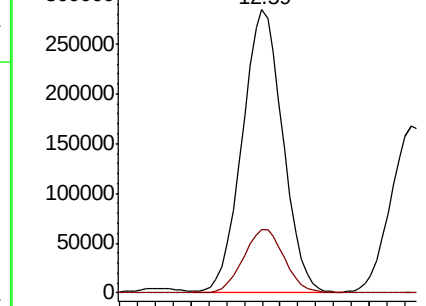
Acq: 18 Nov 2019 12:26

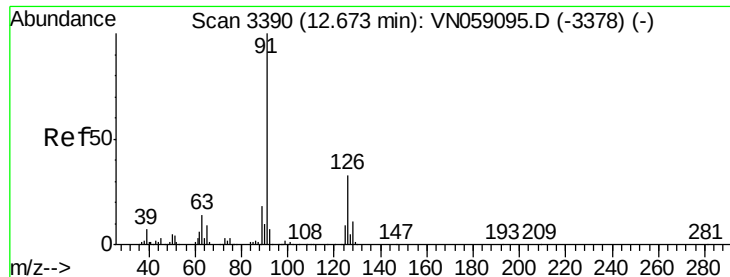
Tgt Ion:	91	Resp:	448917
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 91 Resp: 278148

Ion Ratio Lower Upper

91 100

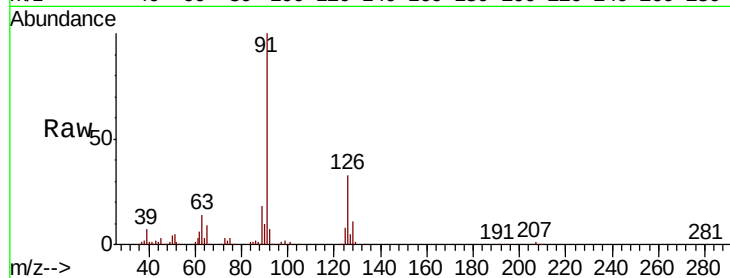
126 33.6 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059276.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059276.D (-3397) (-)

200000

150000

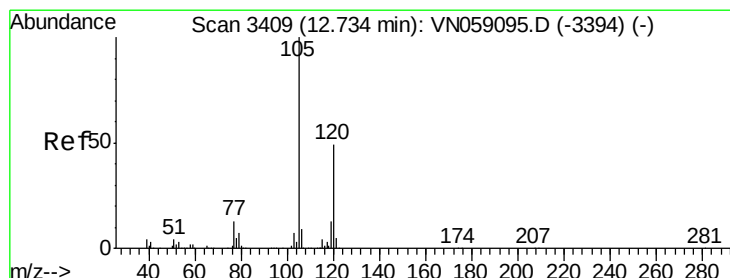
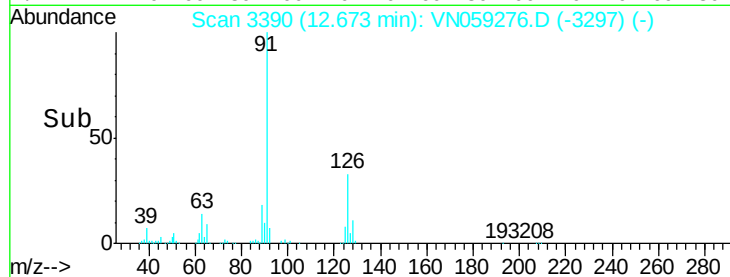
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.064 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059276.D

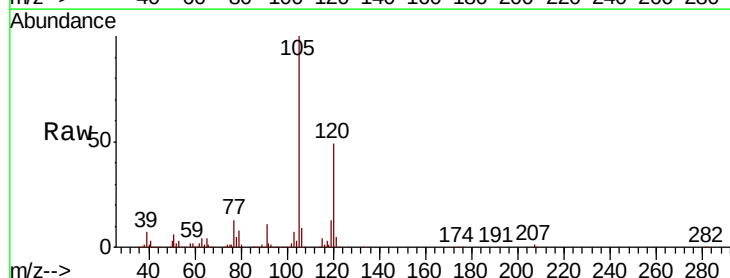
Acq: 18 Nov 2019 12:26

Tgt Ion: 105 Resp: 331947

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059276.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059276.D (-3316) (-)

200000

150000

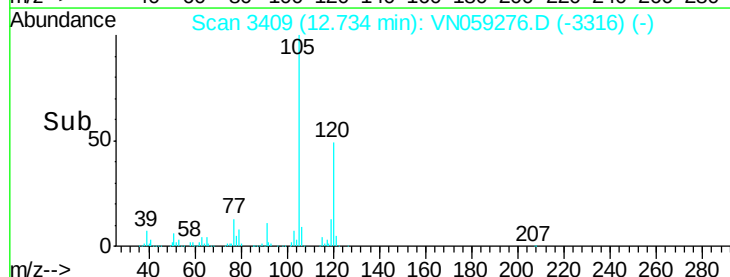
100000

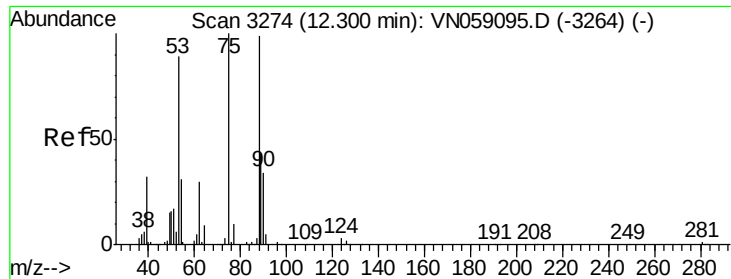
50000

0

12.70 12.80

Time-->





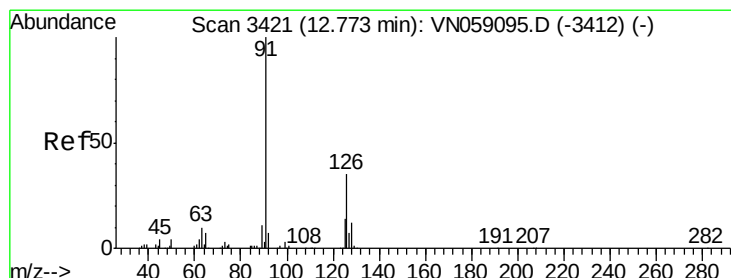
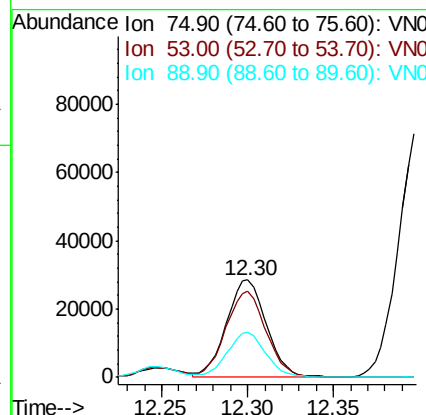
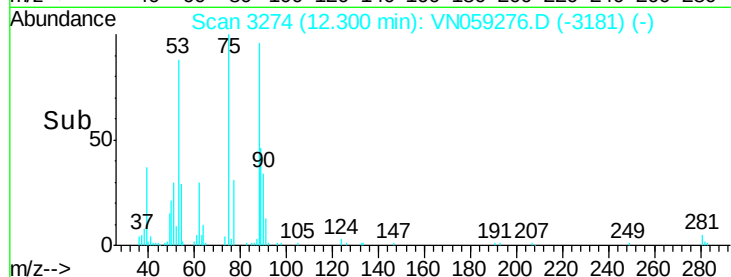
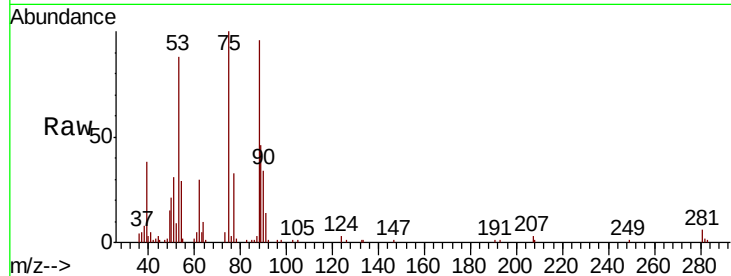
#81
trans-1,4-Dichloro-2-butene
Concen: 21.681 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.0	72.2	108.2
89	45.2	35.8	53.8

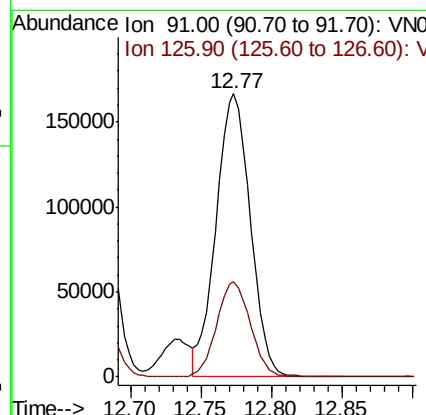
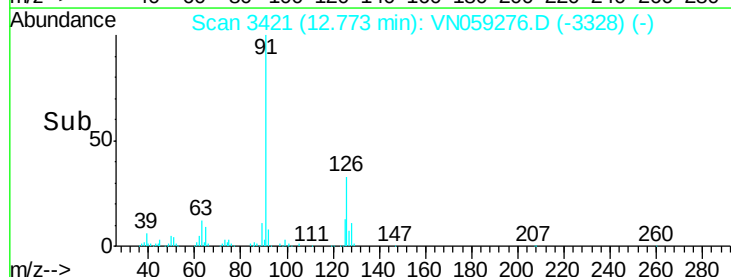
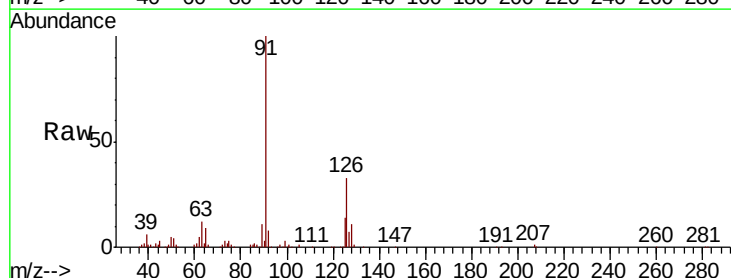
Manual Integrations
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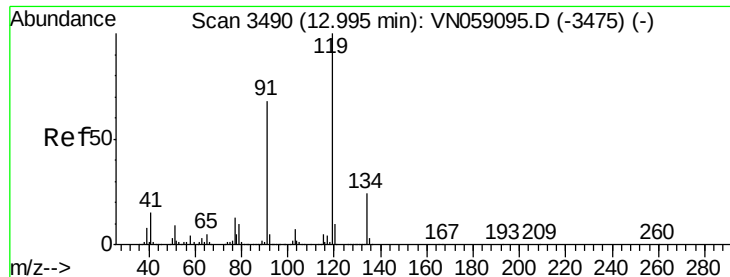
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#82
4-Chlorotoluene
Concen: 22.066 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.2





#83

tert-Butylbenzene

Concen: 22.390 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

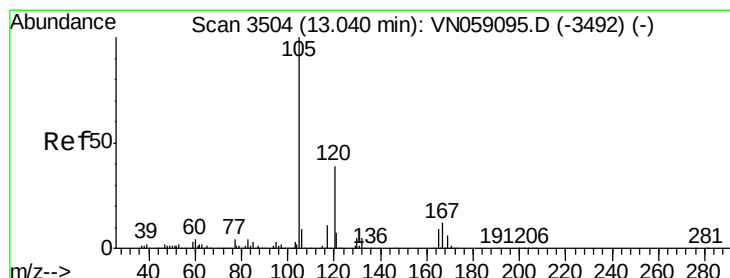
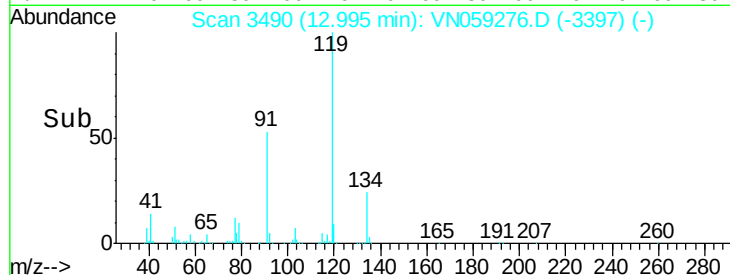
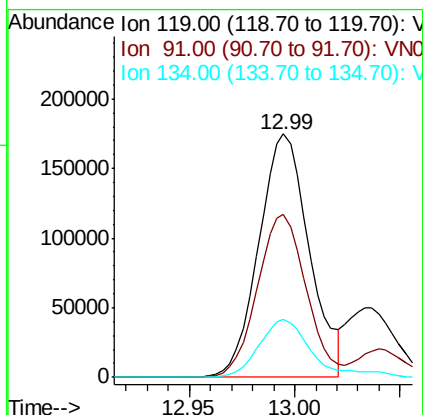
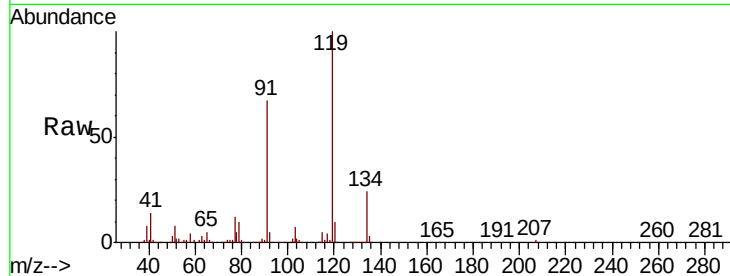
ClientSampleId :

VN1118WBS01

Tot Ion:	119	Resp:	290892
Ion Ratio	Lower	Upper	
119	100		
91	64.9	33.2	99.6
134	25.1	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.862 ug/l

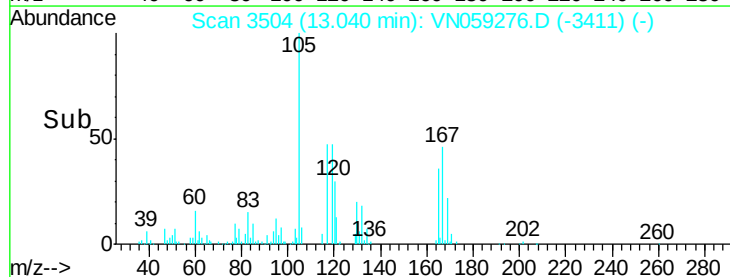
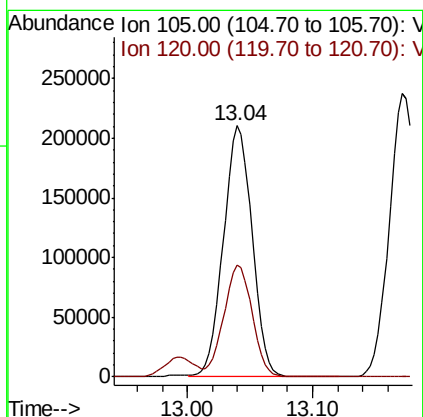
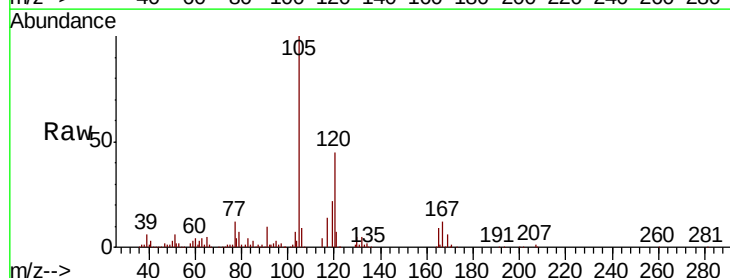
RT: 13.04 min Scan# 3504

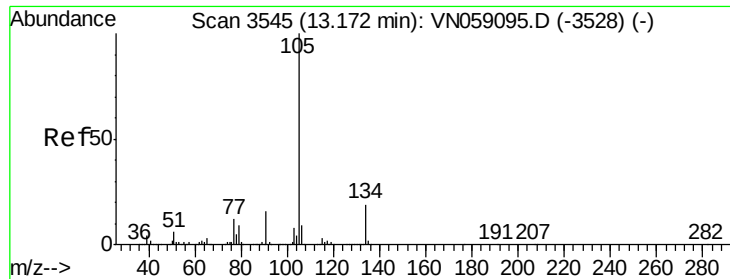
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	105	Resp:	332767
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.8	68.4





#85

sec-Butylbenzene

Concen: 22.431 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion:105 Resp: 379020

Ion Ratio Lower Upper

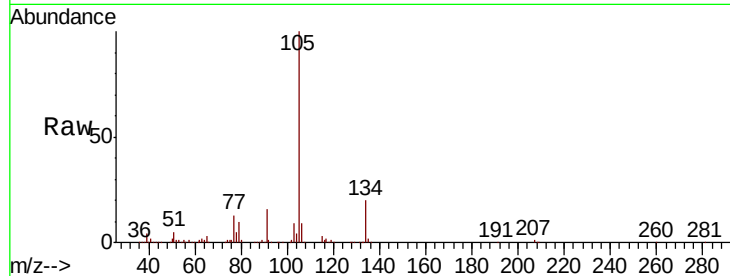
105 100

134 19.7 9.7 29.1

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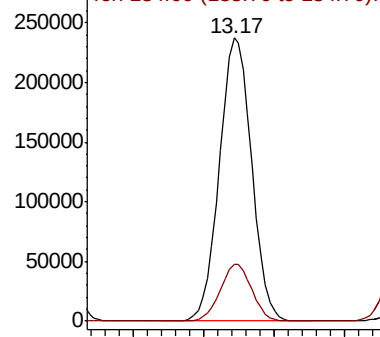
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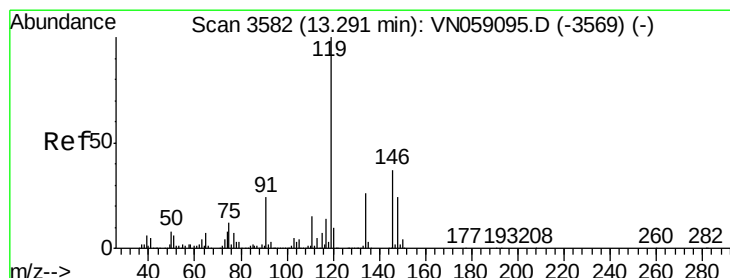
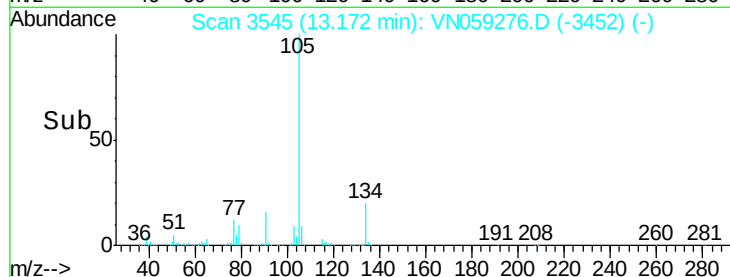


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.240 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

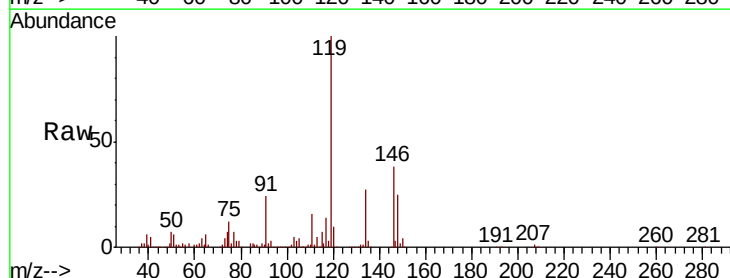
Tgt Ion:119 Resp: 331802

Ion Ratio Lower Upper

119 100

134 26.6 13.0 38.9

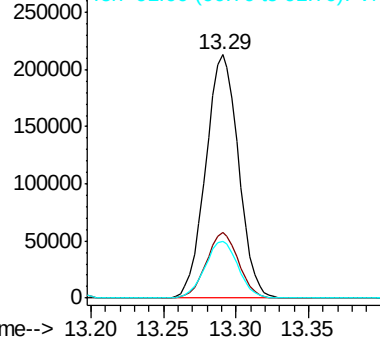
91 23.9 11.7 35.1



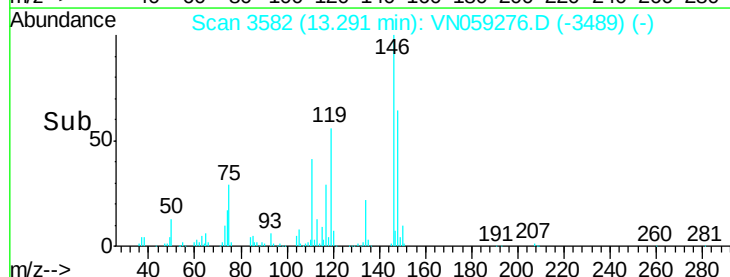
Abundance Ion 119.00 (118.70 to 119.70): V

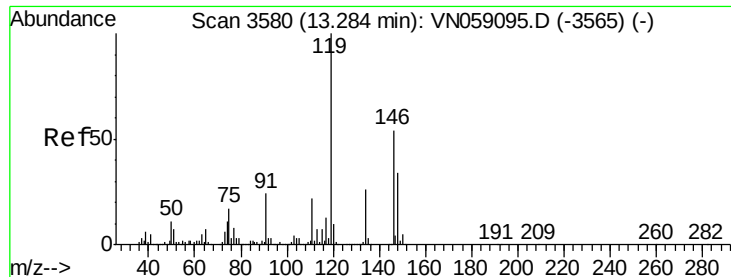
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 21.975 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059276.D

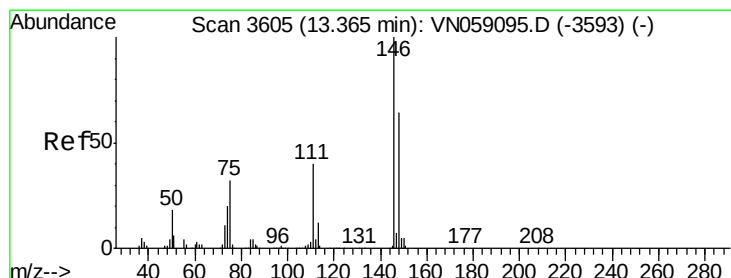
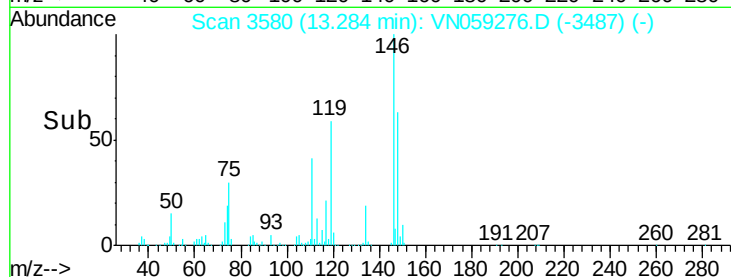
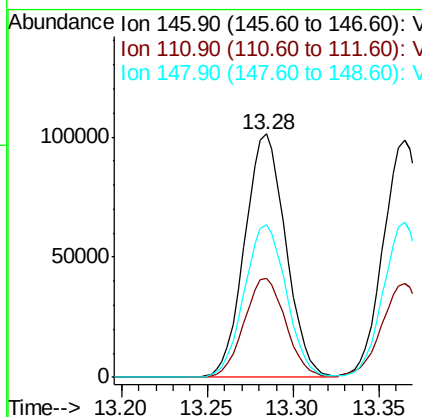
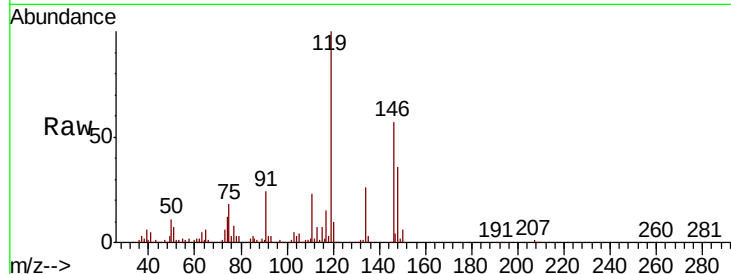
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167861		
111	41.1	20.4	61.3	
148	63.9	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.903 ug/l

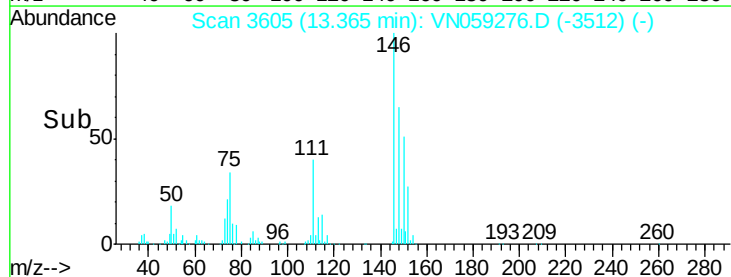
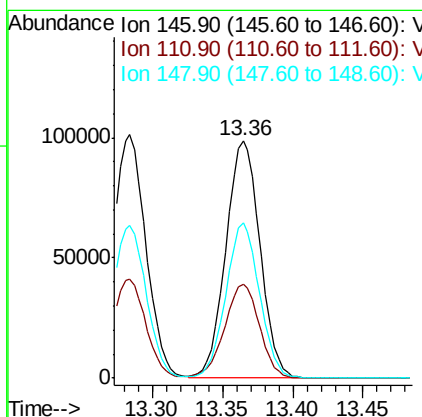
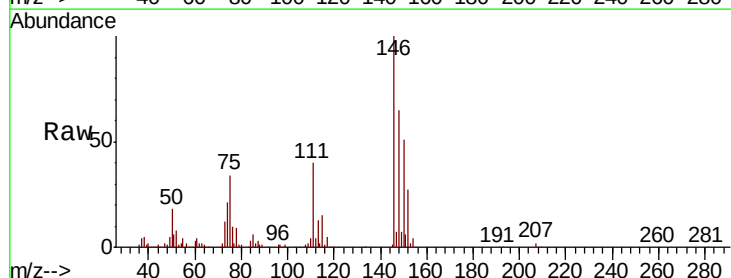
RT: 13.36 min Scan# 3605

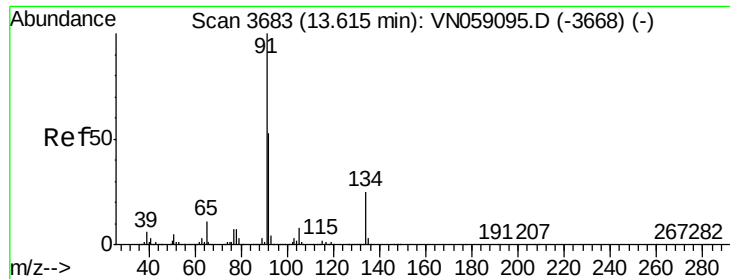
Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167398		
111	40.7	20.3	60.9	
148	63.6	31.9	95.7	





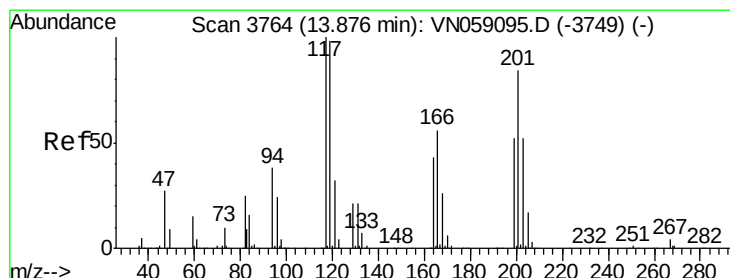
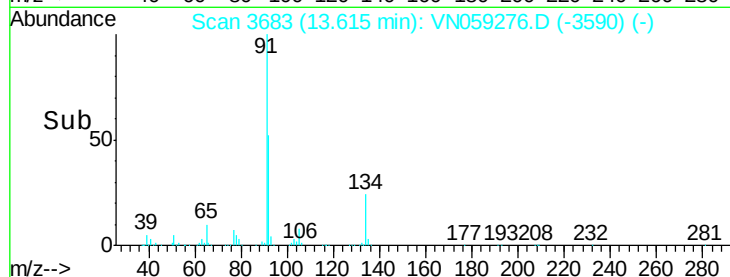
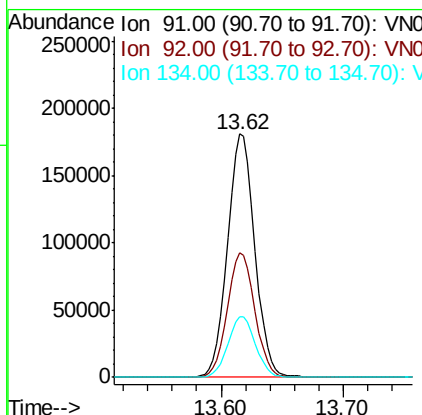
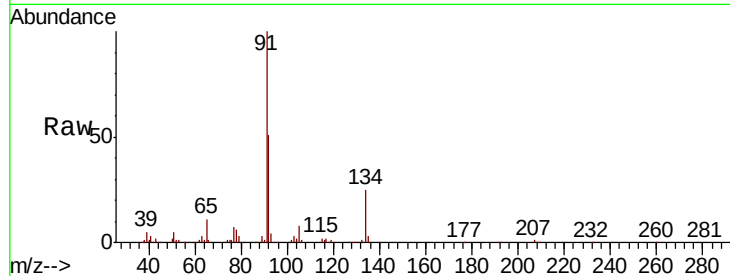
#89
n-Butylbenzene
Concen: 21.728 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.1	12.6	37.8

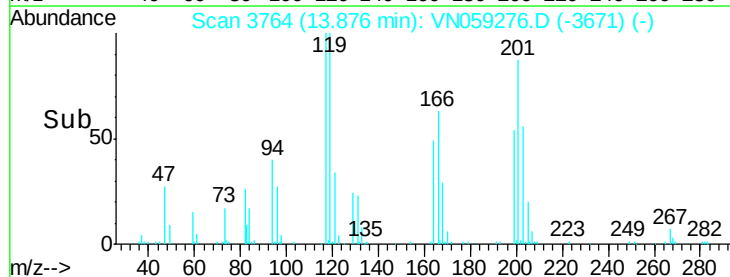
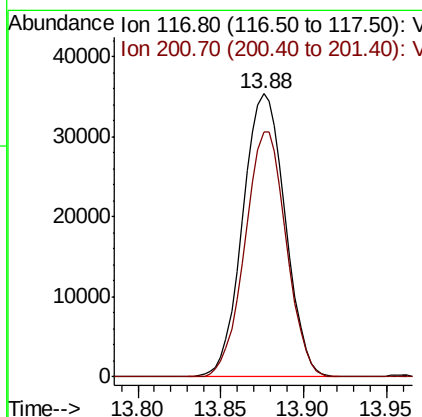
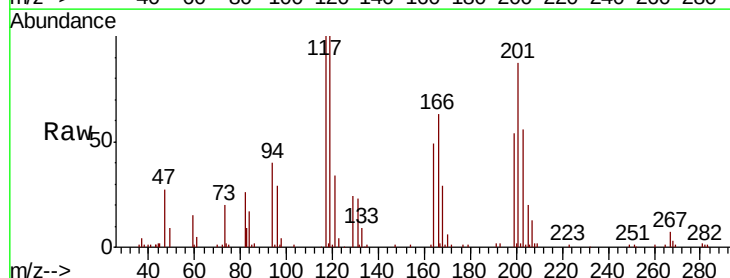
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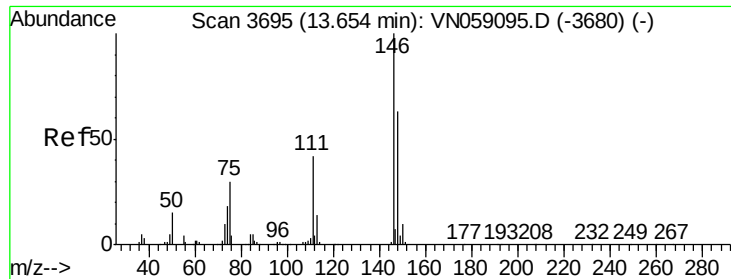
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#90
Hexachloroethane
Concen: 21.059 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059276.D
Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.8	125.3





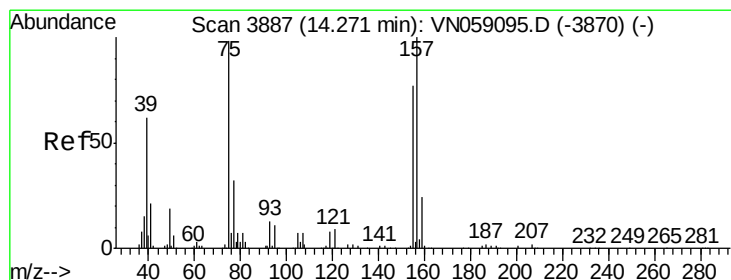
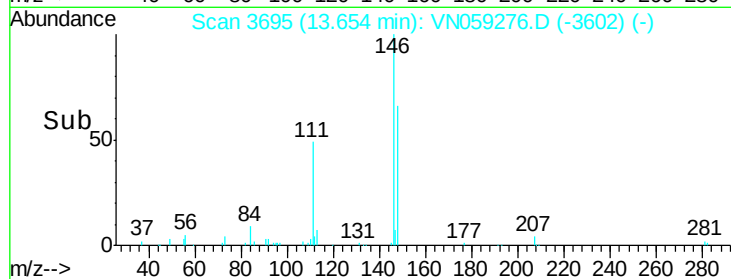
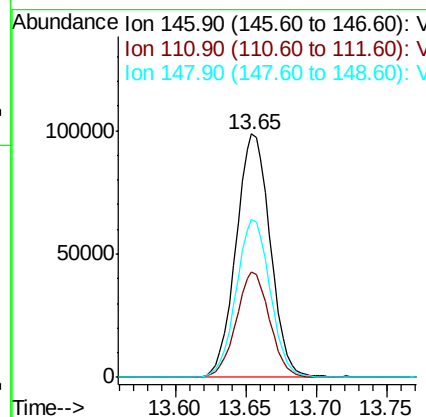
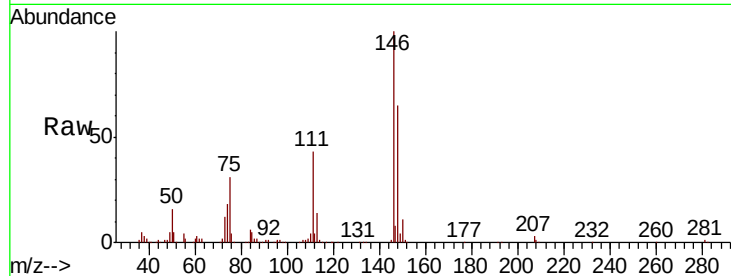
#91
 1,2-Dichlorobenzene
 Concen: 22.312 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.4	31.6	94.7

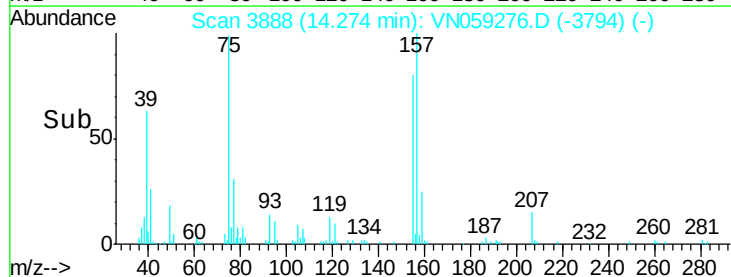
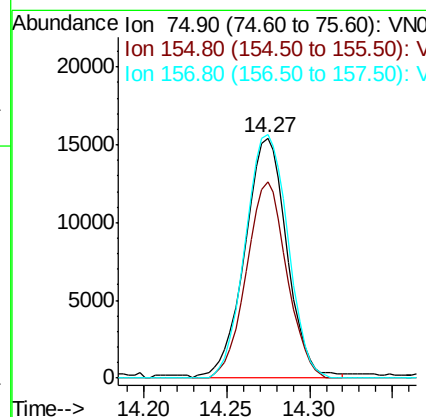
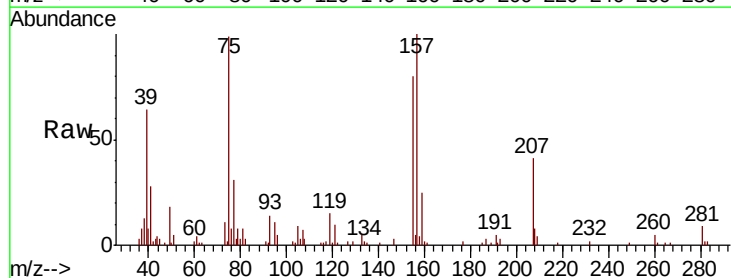
Manual Integrations
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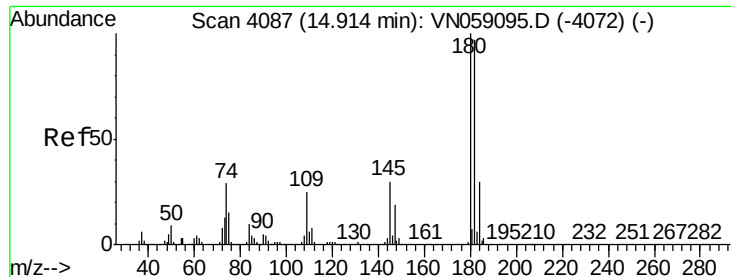
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 11/19/2019 11:01:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.671 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	40.2	120.6
157	102.0	51.8	155.5





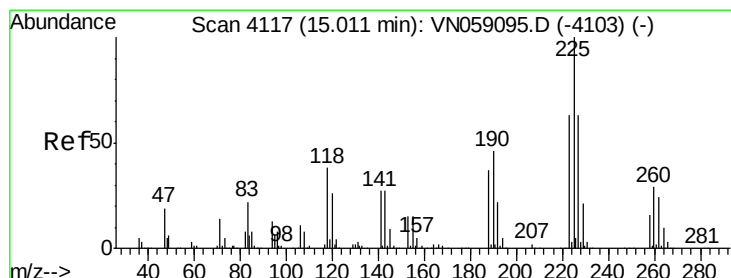
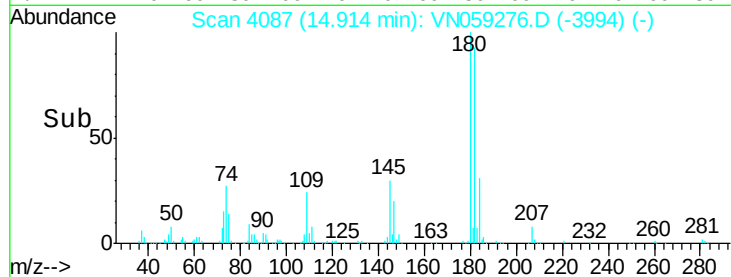
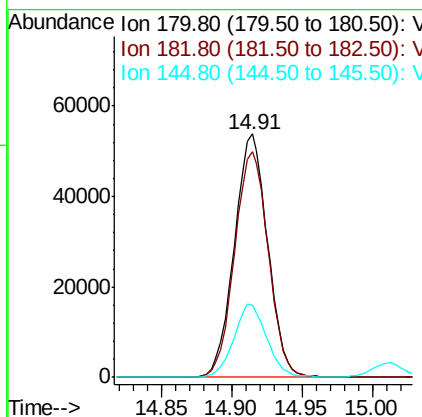
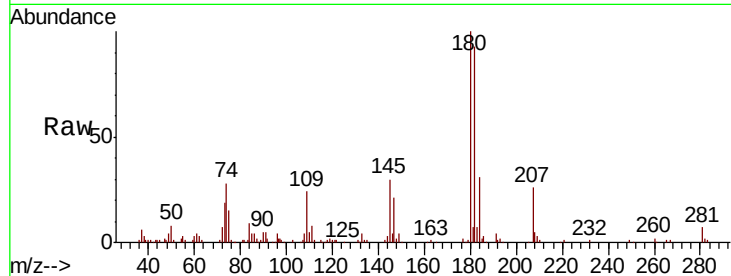
#93
 1,2,4-Trichlorobenzene
 Concen: 21.399 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	89100		
182	93.9	48.1	144.3	
145	29.6	15.1	45.3	

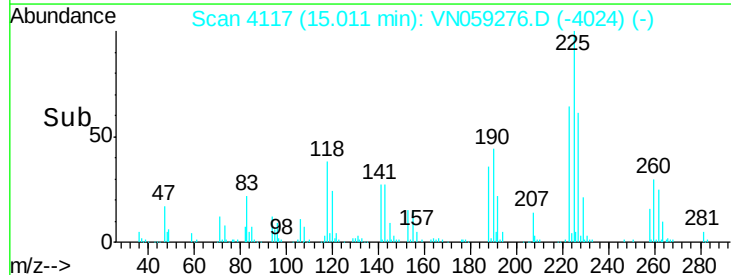
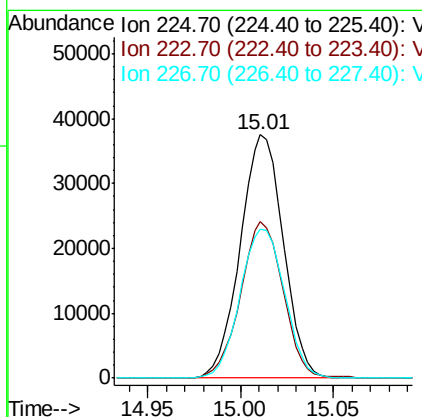
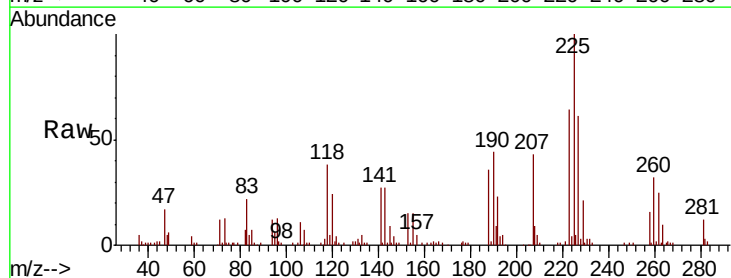
Manual Integrations
 APPROVED

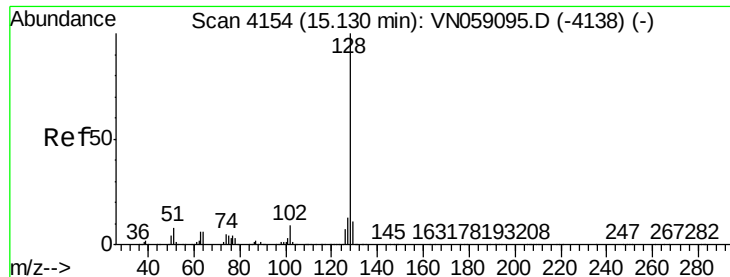
MMDADODA
 11/19/2019 11:01:43 AM



#94
 Hexachlorobutadiene
 Concen: 23.342 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059276.D
 Acq: 18 Nov 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60478		
223	63.3	31.3	93.9	
227	63.3	31.5	94.5	





#95

Naphthalene

Concen: 20.402 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA_N

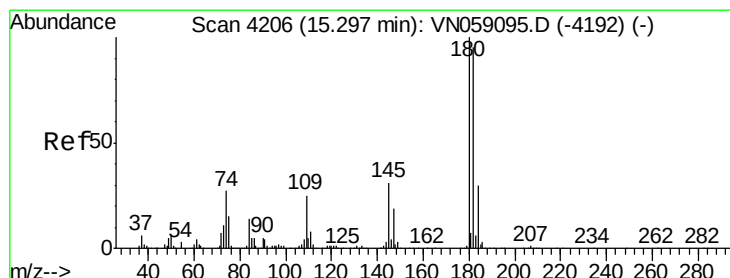
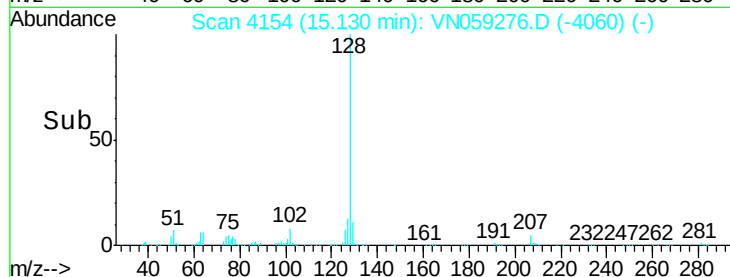
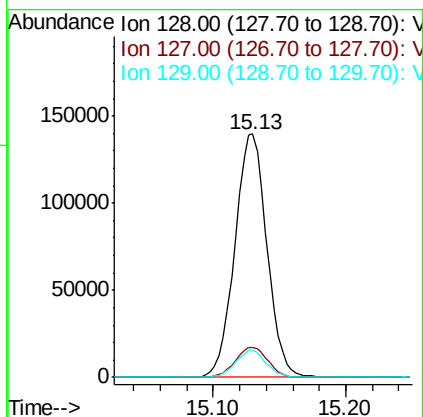
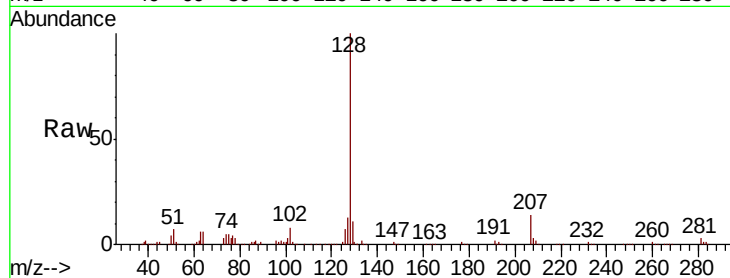
ClientSampleId :

VN1118WBS01

Tot Ion:	128	Resp:	233776
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDADODA
11/19/2019 11:01:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.593 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion:	180	Resp:	90930
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.8
145	32.4	15.8	47.3

