

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060275.D
 Acq On : 28 Feb 2020 11:40
 Operator : JC/MD
 Sample : VN0228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:45 AM

Quant Time: Feb 29 00:54:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	338349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133383	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.56	113	88237	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
50) Toluene-d8	10.08	98	383769	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	144581	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34150	17.857	ug/l	99
3) Chloromethane	2.04	50	58315	17.514	ug/l	97
4) Vinyl Chloride	2.16	62	49320	17.272	ug/l	100
5) Bromomethane	2.55	94	19930	15.690	ug/l	99
6) Chloroethane	2.68	64	26762	17.298	ug/l	96
7) Trichlorofluoromethane	3.00	101	65390	17.923	ug/l	99
8) Diethyl Ether	3.38	74	25555	18.552	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38489	18.641	ug/l	98
10) Methyl Iodide	3.93	142	34800	18.467	ug/l	99
11) Tert butyl alcohol	4.73	59	37890	95.348	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	36400	18.115	ug/l	99
13) Acrolein	3.57	56	35883	96.792	ug/l	98
14) Allyl chloride	4.29	41	68314	18.489	ug/l	98
15) Acrylonitrile	4.94	53	99231	94.737	ug/l	99
16) Acetone	3.78	43	79683	92.201	ug/l	99
17) Carbon Disulfide	4.03	76	99998	18.358	ug/l	99
18) Methyl Acetate	4.28	43	50836	17.626	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	138914	19.093	ug/l	100
20) Methylene Chloride	4.52	84	42149	17.758	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	40967	18.761	ug/l	98
22) Diisopropyl ether	5.91	45	142004	18.973	ug/l	95
23) Vinyl Acetate	5.86	43	566630	95.275	ug/l	99
24) 1,1-Dichloroethane	5.81	63	78847	18.611	ug/l	99
25) 2-Butanone	6.80	43	127157	91.090	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70072	18.168	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48090	17.474	ug/l	98
28) Bromochloromethane	7.17	49	32378	18.614	ug/l	99
29) Tetrahydrofuran	7.18	42	88313	90.978	ug/l	99
30) Chloroform	7.35	83	79144	18.766	ug/l	97
31) Cyclohexane	7.63	56	70577	18.682	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	69023	18.472	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57654	17.879	ug/l	99
37) Ethyl Acetate	6.89	43	58079	19.022	ug/l	99
38) Carbon Tetrachloride	7.75	117	57274	18.243	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68495	18.015	ug/l	100
40) Benzene	8.02	78	172297	18.358	ug/l	99
41) Methacrylonitrile	7.15	41	28850m	20.463	ug/l	
42) 1,2-Dichloroethane	8.10	62	64417	19.020	ug/l	100
43) Isopropyl Acetate	8.14	43	100235	18.752	ug/l	99
44) Trichloroethene	8.82	130	47687	18.243	ug/l	95
45) 1,2-Dichloropropane	9.10	63	46295	18.866	ug/l	98
46) Dibromomethane	9.19	93	29470	18.509	ug/l	99
47) Bromodichloromethane	9.38	83	61326	18.937	ug/l	99
48) Methyl methacrylate	9.18	41	43281	17.756	ug/l	98
49) 1,4-Dioxane	9.18	88	13473	393.044	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	282021	93.054	ug/l	100
52) Toluene	10.14	92	107658	18.261	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71981	18.140	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	77042	18.737	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43826	18.485	ug/l	99
56) Ethyl methacrylate	10.42	69	63611	18.675	ug/l	99
57) 1,3-Dichloropropane	10.70	76	74522	19.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	167801	94.194	ug/l	99
59) 2-Hexanone	10.74	43	204231	91.780	ug/l	99
60) Dibromochloromethane	10.89	129	44918	18.630	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43941	19.012	ug/l	96
64) Tetrachloroethene	10.62	164	50119	19.657	ug/l	98
65) Chlorobenzene	11.42	112	113379	18.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43769	18.893	ug/l	99
67) Ethyl Benzene	11.50	91	207645	18.199	ug/l	99
68) m/p-Xylenes	11.61	106	154322	35.848	ug/l	98
69) o-Xylene	11.94	106	74924	18.252	ug/l	100
70) Styrene	11.96	104	120950	17.921	ug/l	100
71) Bromoform	12.12	173	30417	18.218	ug/l #	99
73) Isopropylbenzene	12.24	105	202366	18.202	ug/l	99
74) N-amyl acetate	12.06	43	86437	17.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55575	18.389	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	53298m	16.195	ug/l	
77) Bromobenzene	12.52	156	49592	18.197	ug/l	99
78) n-propylbenzene	12.59	91	236356	18.136	ug/l	99
79) 2-Chlorotoluene	12.67	91	138274	18.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	170659	18.231	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21889	18.360	ug/l #	88
82) 4-Chlorotoluene	12.77	91	144913	17.954	ug/l	98
83) tert-Butylbenzene	12.99	119	144340	17.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	171657	18.168	ug/l	100
85) sec-Butylbenzene	13.17	105	196007	18.060	ug/l	100
86) p-Isopropyltoluene	13.28	119	177100	17.630	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	90174	19.139	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	88228	18.732	ug/l	99
89) n-Butylbenzene	13.61	91	162925	17.669	ug/l	100
90) Hexachloroethane	13.87	117	25335	17.424	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	84095	17.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11424	16.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	57164	18.894	ug/l	98
94) Hexachlorobutadiene	15.01	225	27248	19.182	ug/l	98
95) Naphthalene	15.13	128	167386	18.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54454	18.942	ug/l	97

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

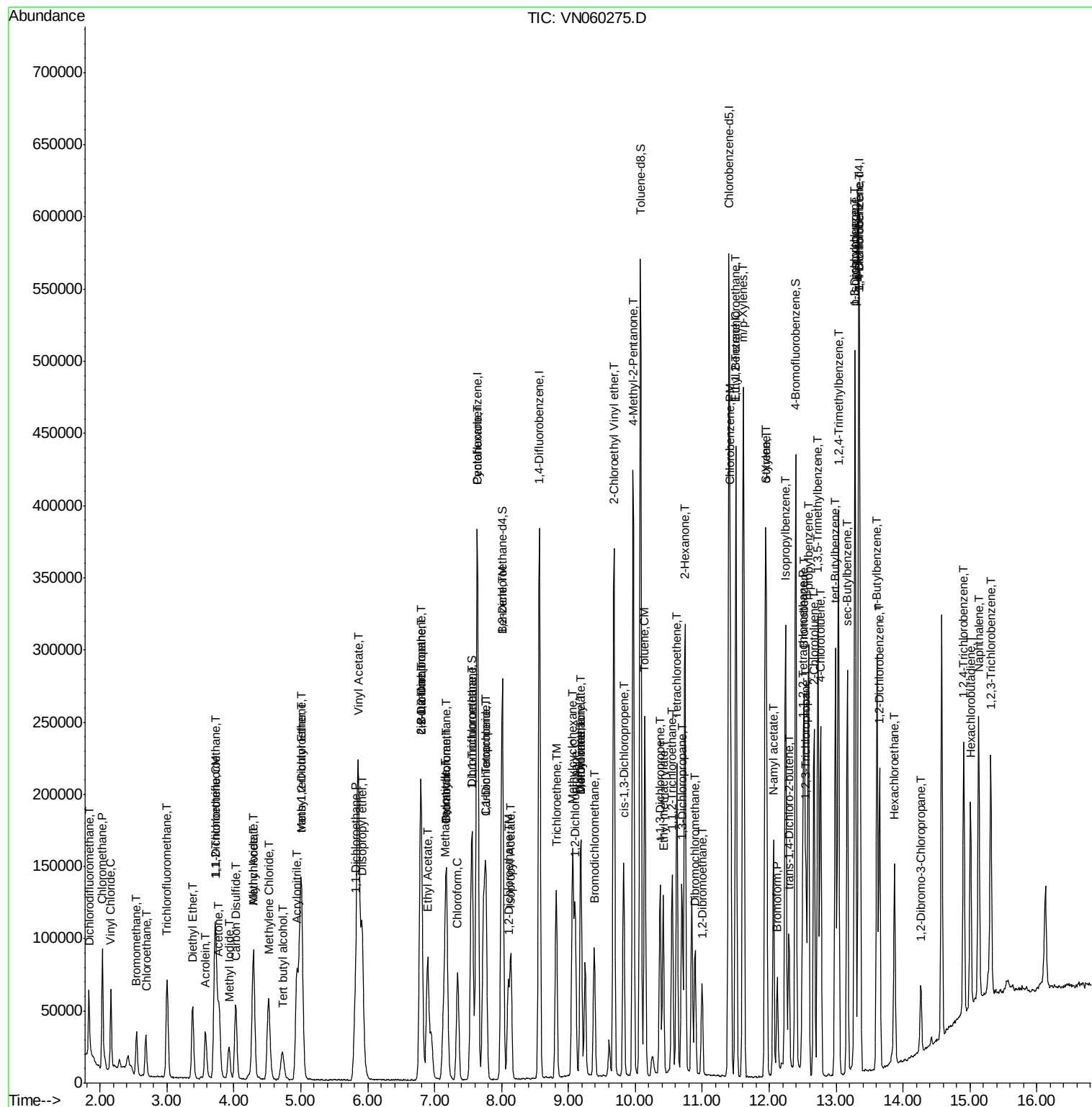
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022820\
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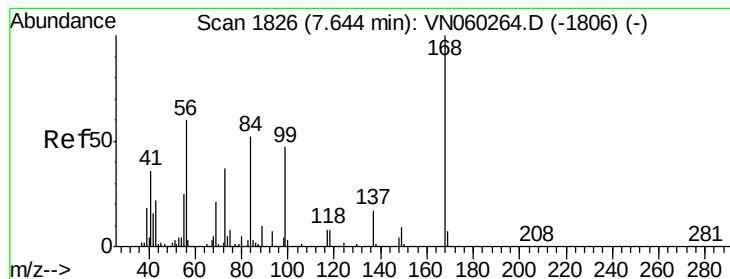
Instrument :
 MSVOA_N
 Client Sampled :
 VN0228WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBSD01

Tot Ion:168 Resp: 208589

Ion Ratio Lower Upper

168 100

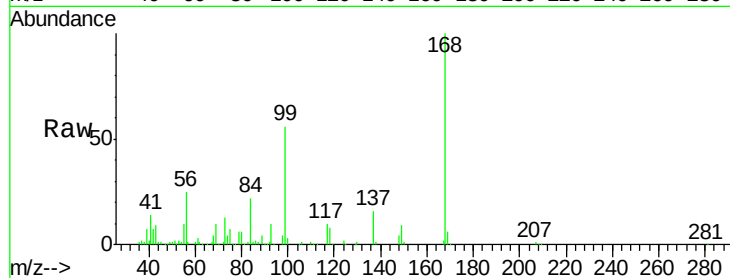
99 56.2 44.7 67.1

Manual Integrations

APPROVED

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3/2/2020 11:00:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

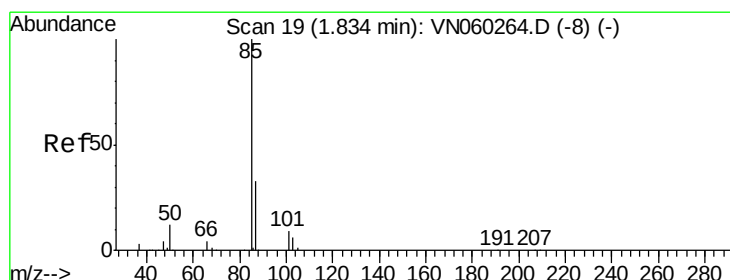
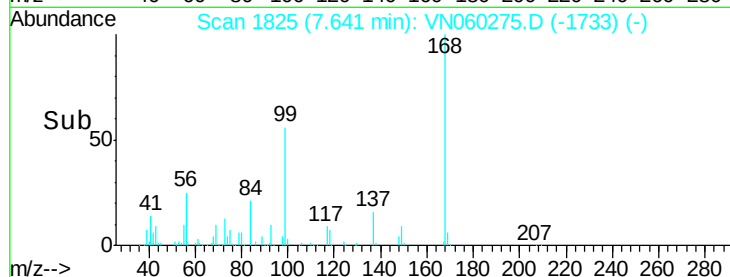
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.857 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060275.D

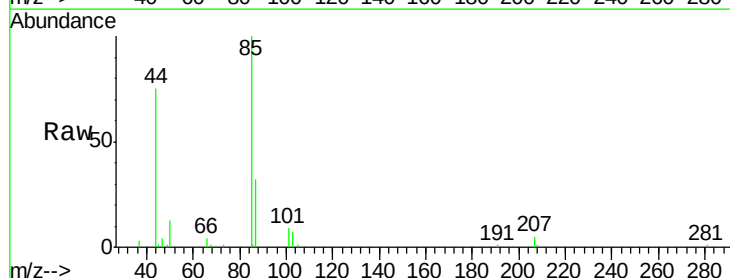
Acq: 28 Feb 2020 11:40

Tgt Ion: 85 Resp: 34150

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

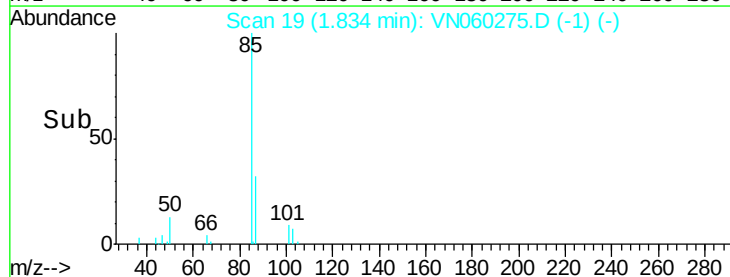
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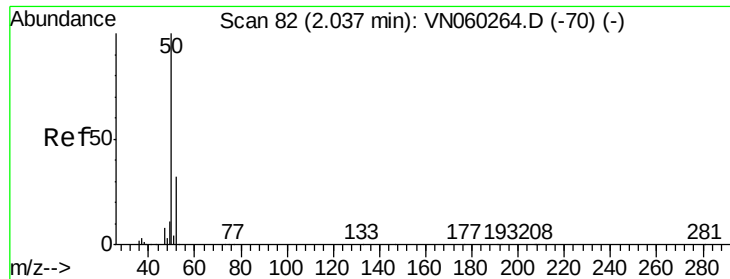
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.514 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBSD01

Tot Ion: 50 Resp: 58315

Ion Ratio Lower Upper

50 100

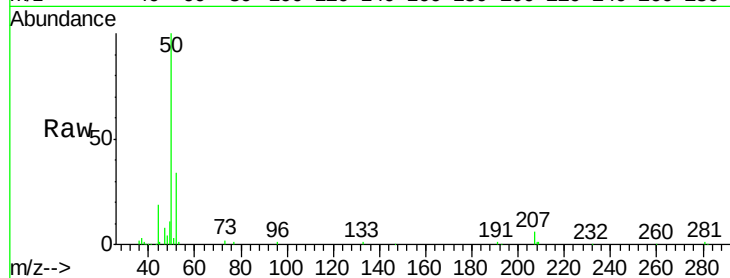
52 33.7 25.6 38.4

Manual Integrations

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3/2/2020 11:00:45 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

50000

40000

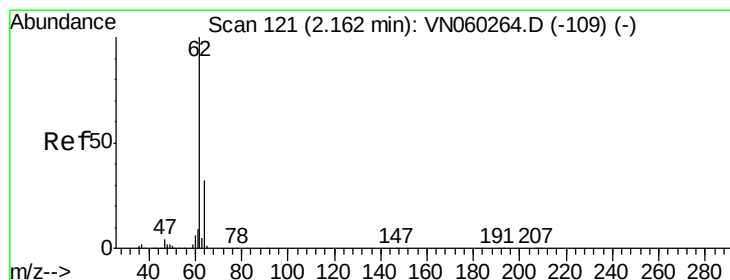
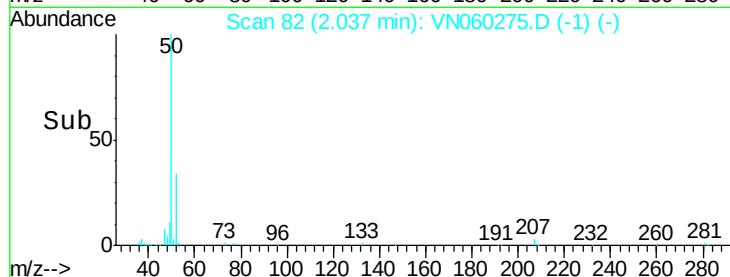
30000

20000

10000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 17.272 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060275.D

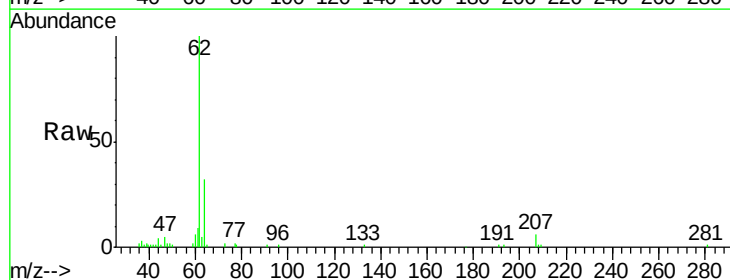
Acq: 28 Feb 2020 11:40

Tgt Ion: 62 Resp: 49320

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

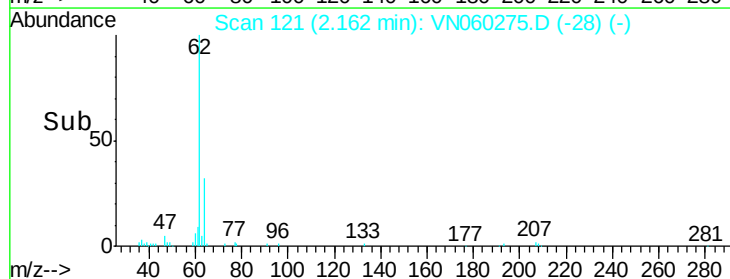
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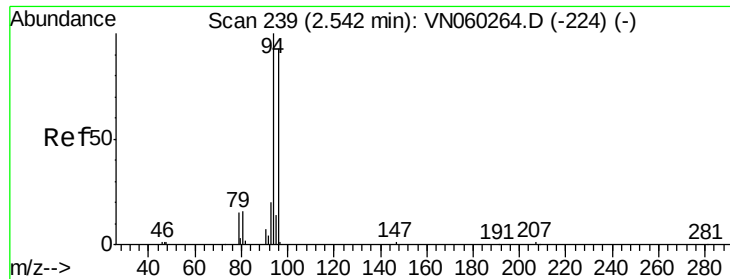
20000

10000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 15.690 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

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ClientSampleId :

VN0228WBSD01

Tot Ion: 94 Resp: 19930

Ion Ratio Lower Upper

94 100

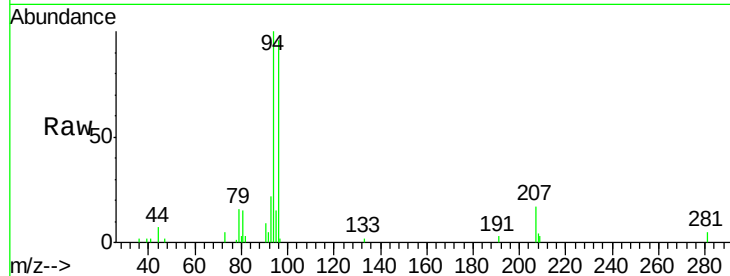
96 93.9 74.3 111.5

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

12000

10000

8000

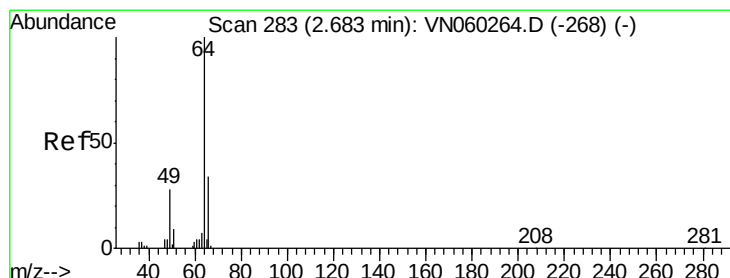
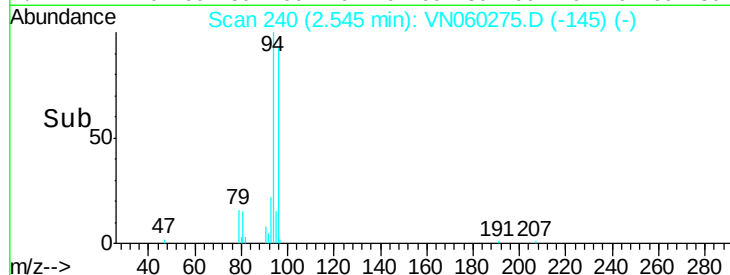
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 17.298 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060275.D

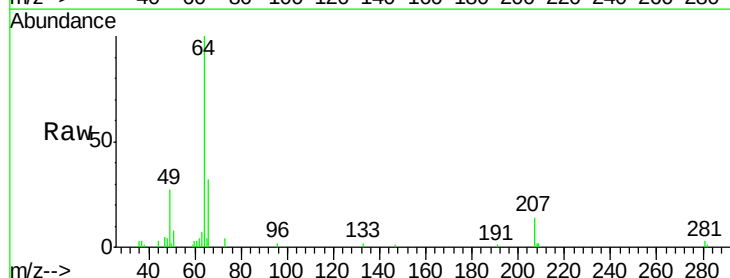
Acq: 28 Feb 2020 11:40

Tgt Ion: 64 Resp: 26762

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

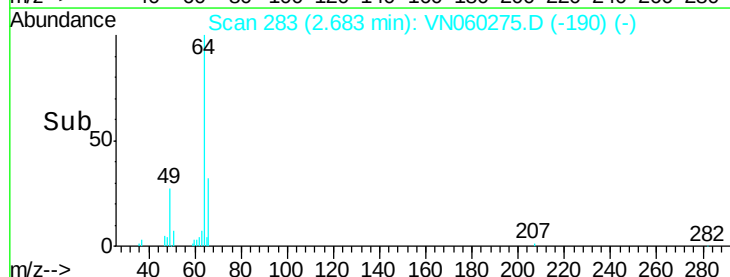
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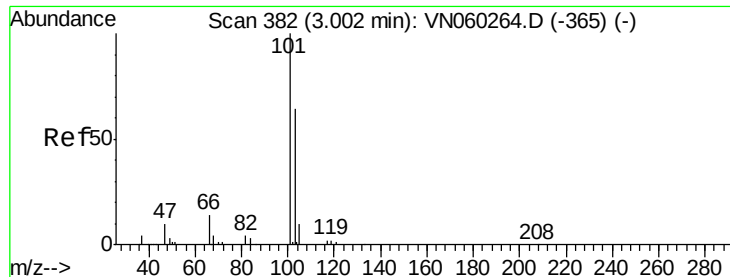
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5000

0

Time-->





#7

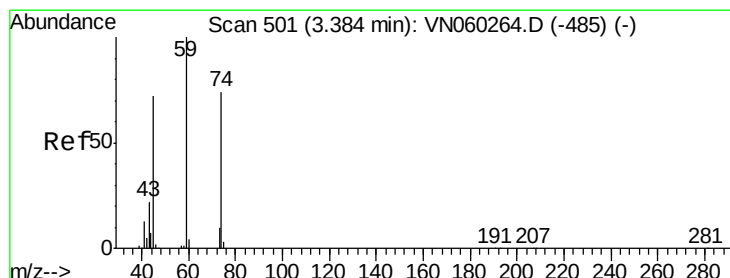
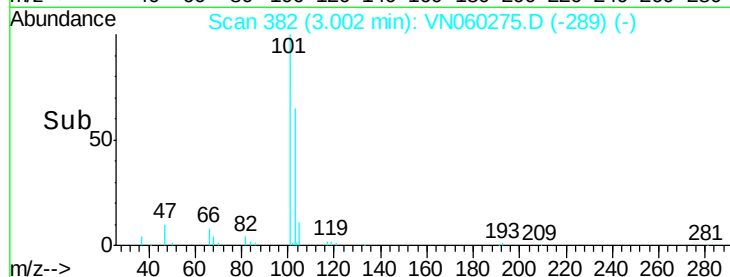
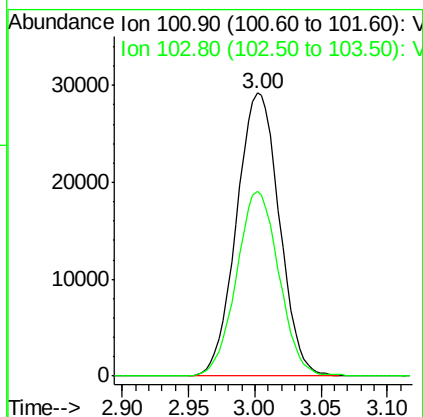
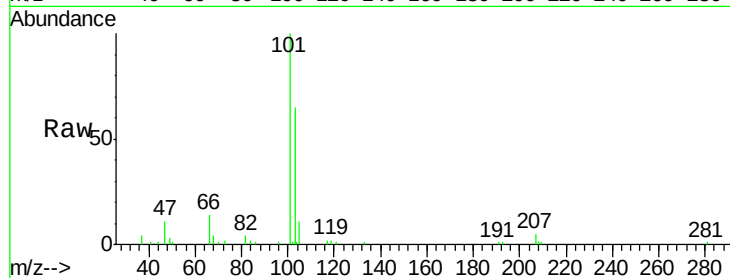
Trichlorofluoromethane
Concen: 17.923 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

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VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

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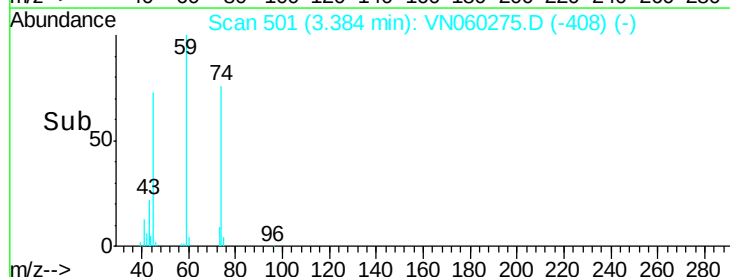
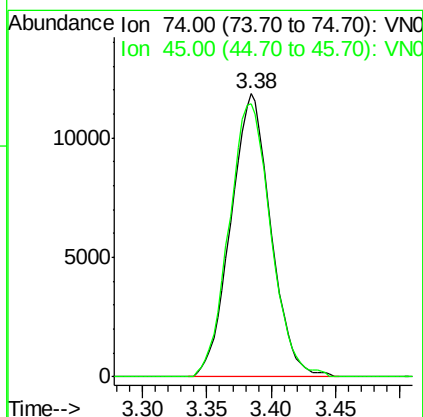
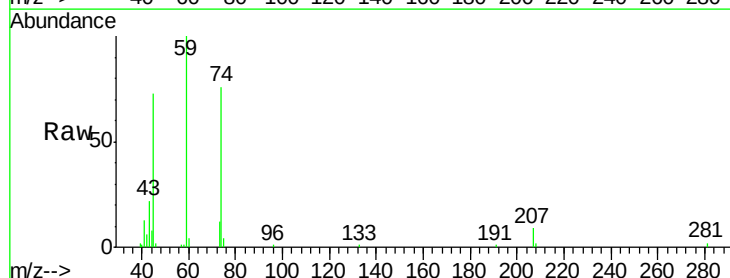
MMDadoda
3/2/2020 11:00:45 AM

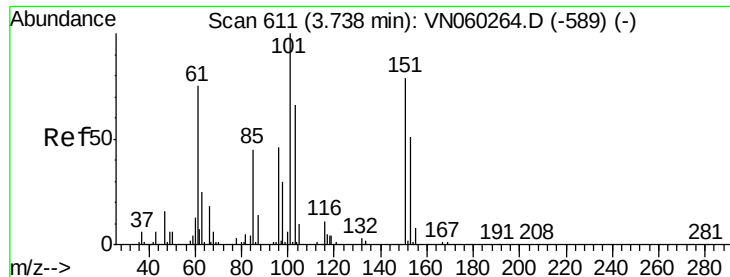


#8

Diethyl Ether
Concen: 18.552 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.641 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060275.D

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MSVOA_N

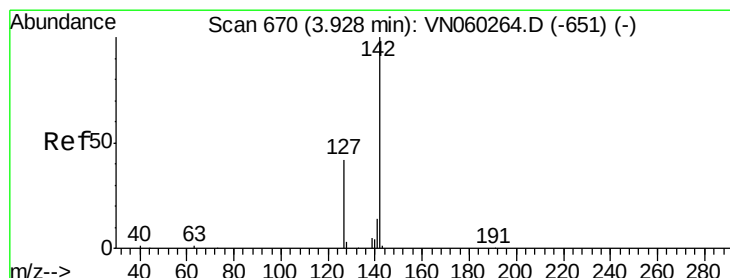
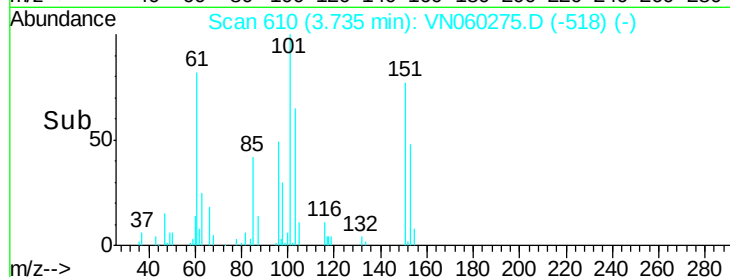
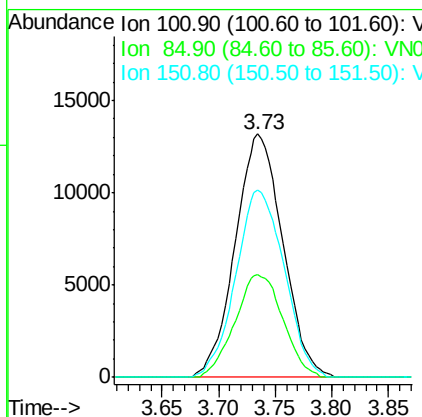
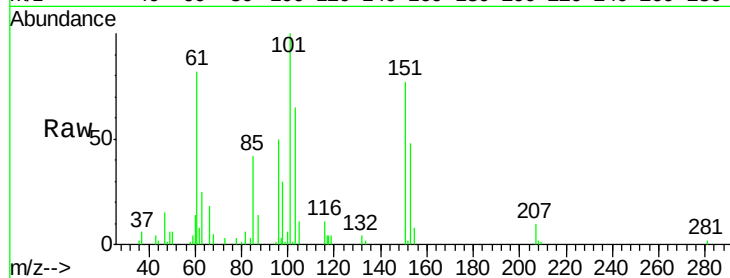
ClientSampled :

VN0228WBSD01

Tot Ion:	101	Resp:	38489
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.4	53.2
151	78.4	62.0	93.0

Manual Integrations
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3/2/2020 11:00:45 AM



#10

Methyl Iodide

Concen: 18.467 ug/l

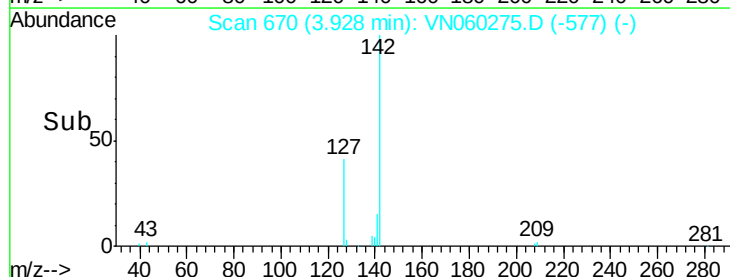
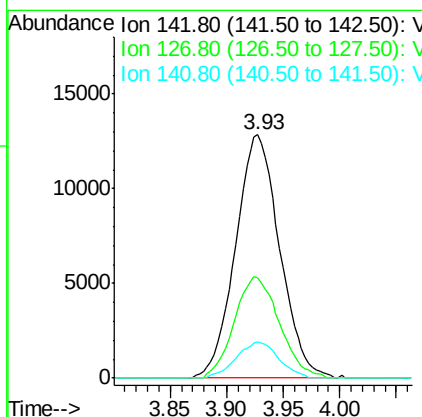
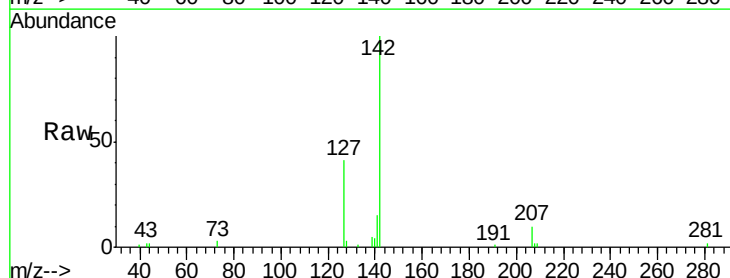
RT: 3.93 min Scan# 670

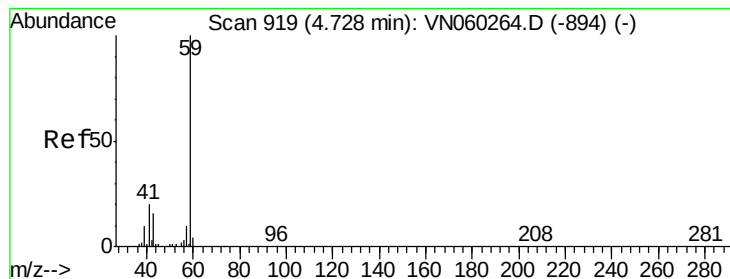
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	142	Resp:	34800
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	14.4	11.1	16.7





#11

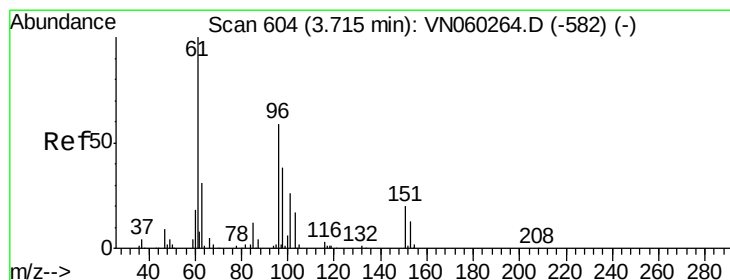
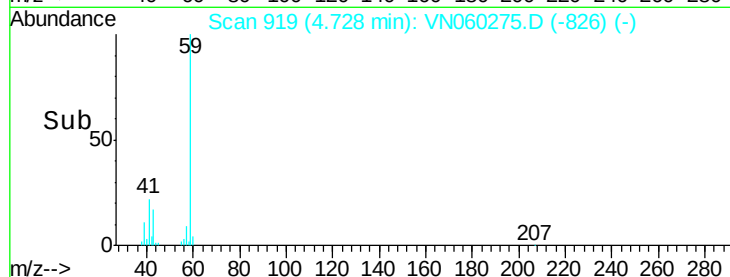
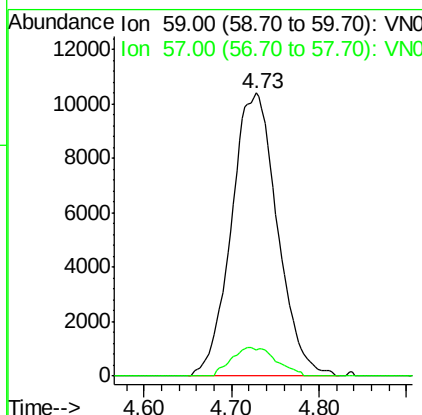
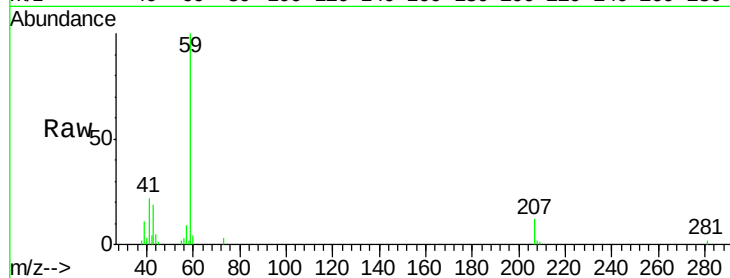
Tert butyl alcohol
 Concen: 95.348 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.2#

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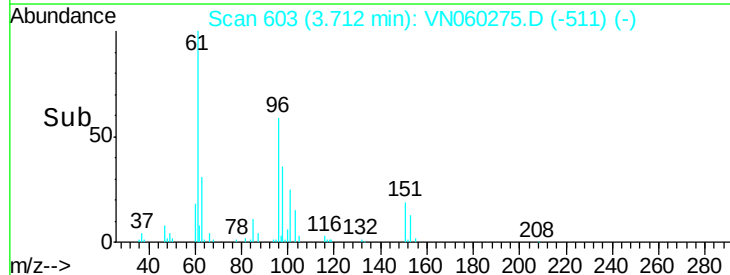
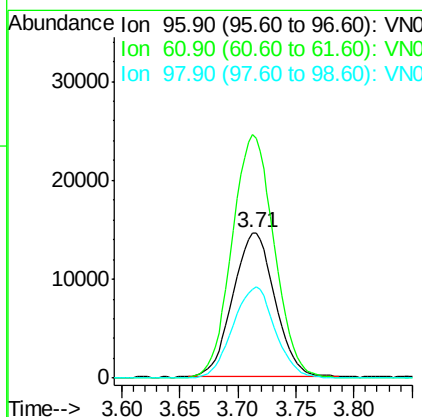
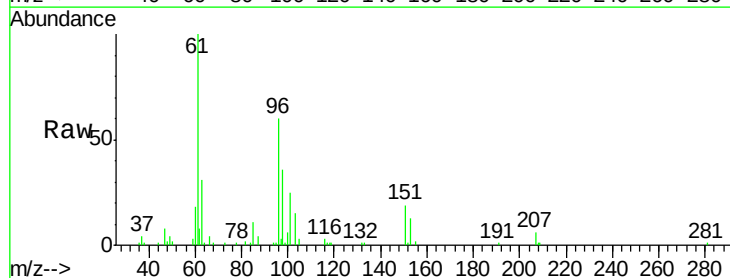
MMDadoda
 3/2/2020 11:00:45 AM

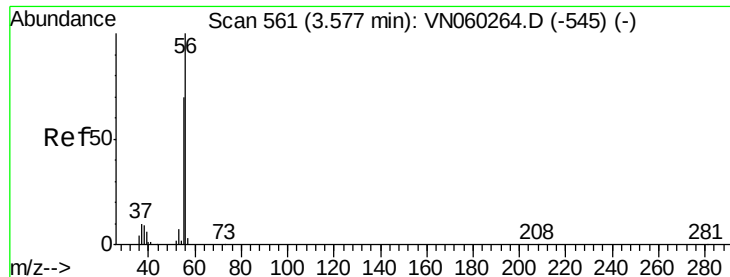


#12

1,1-Dichloroethene
 Concen: 18.115 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	135.4	203.0
98	61.4	51.6	77.4





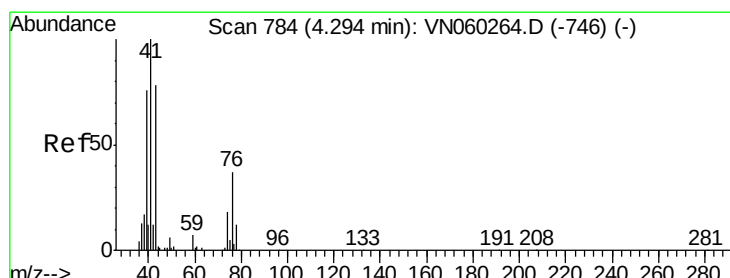
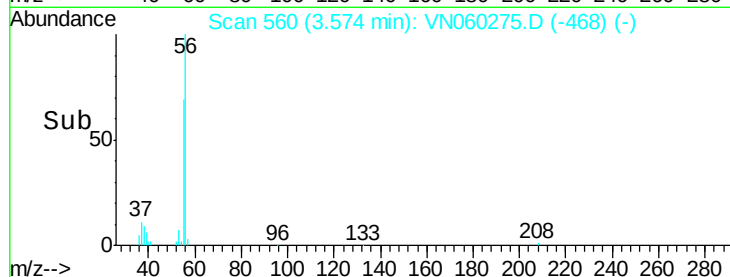
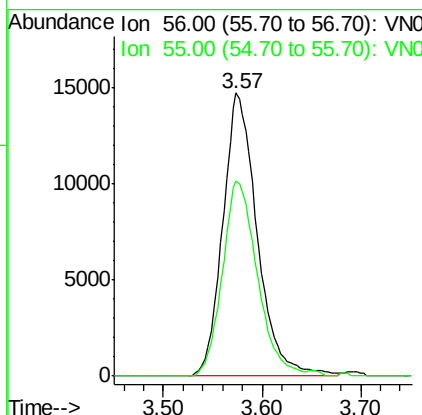
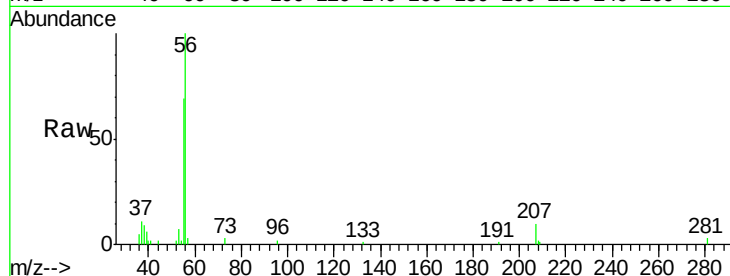
#13
Acrolein
Concen: 96.792 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	56	Resp	35883
Ion Ratio	100	Lower	Upper
55	69.7	57.4	86.0

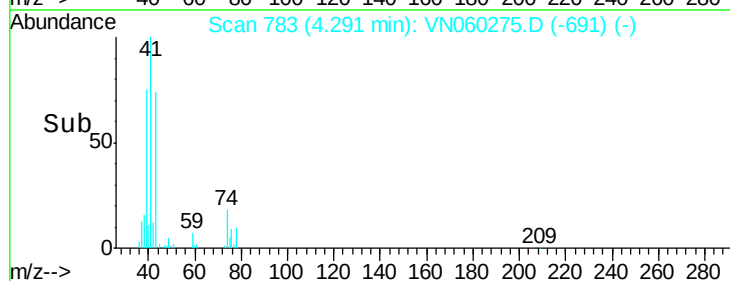
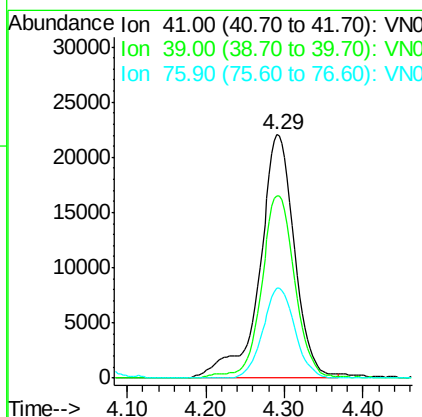
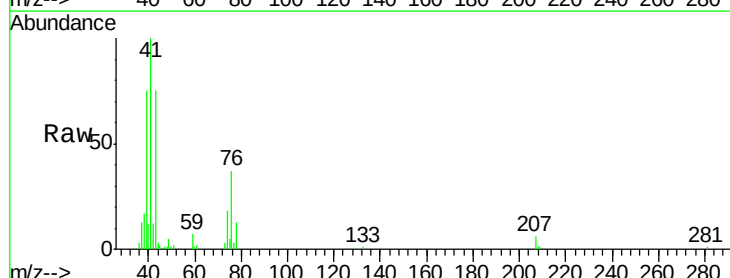
Manual Integrations
APPROVED

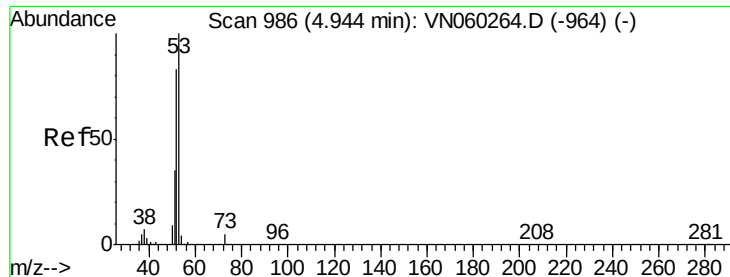
MMDadoda
3/2/2020 11:00:45 AM



#14
Allyl chloride
Concen: 18.489 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	41	Resp	68314
Ion Ratio	100	Lower	Upper
39	71.7	55.4	83.2
76	34.1	27.0	40.6





#15

Acrylonitrile

Concen: 94.737 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

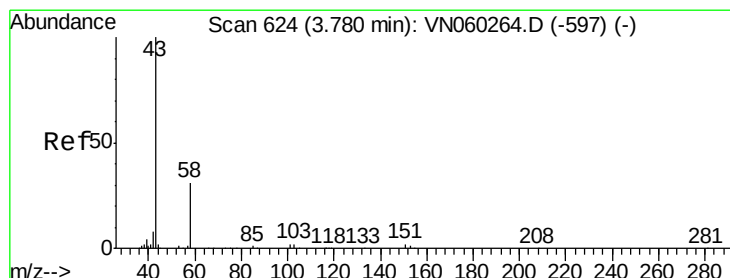
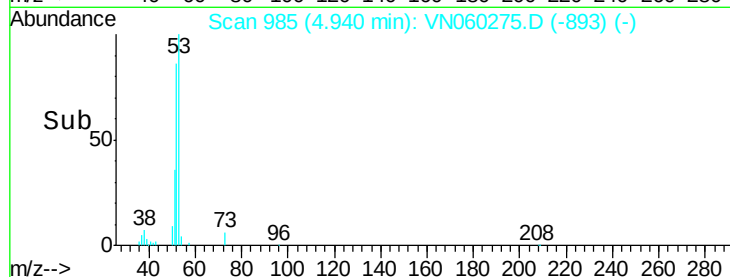
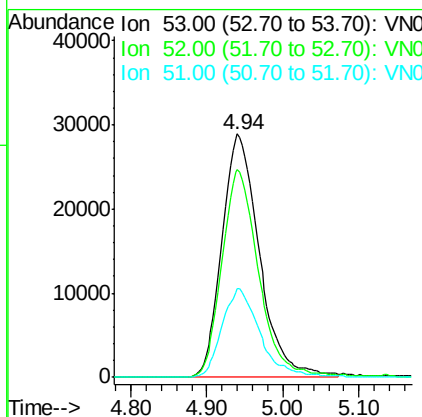
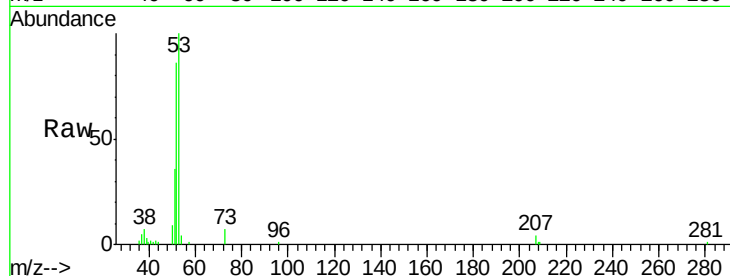
ClientSampleId :

VN0228WBSD01

Tot Ion:	53	Resp:	99231
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.8	100.2
51	37.0	29.0	43.6

Manual Integrations
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MMDadoda
3/2/2020 11:00:45 AM



#16

Acetone

Concen: 92.201 ug/l

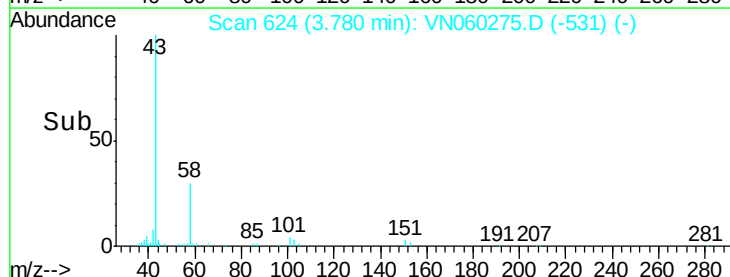
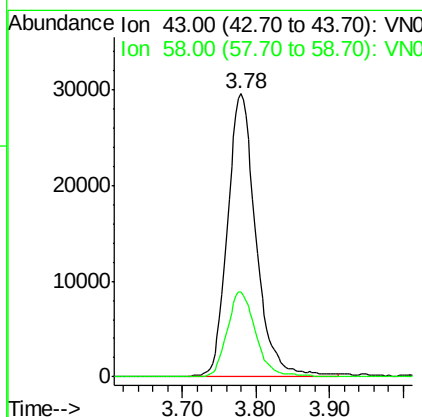
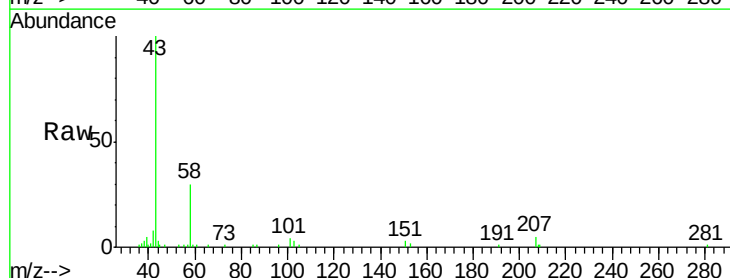
RT: 3.78 min Scan# 624

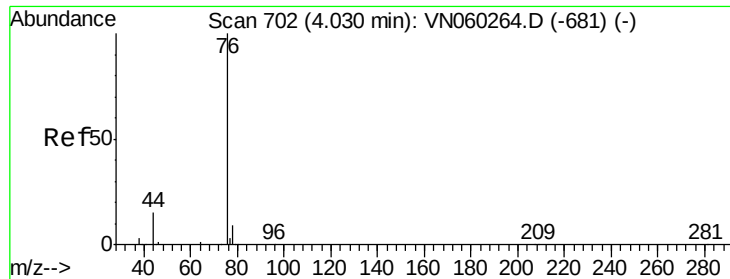
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	43	Resp:	79683
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





#17

Carbon Disulfide

Concen: 18.358 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBSD01

Tot Ion: 76 Resp: 99998

Ion Ratio Lower Upper

76 100

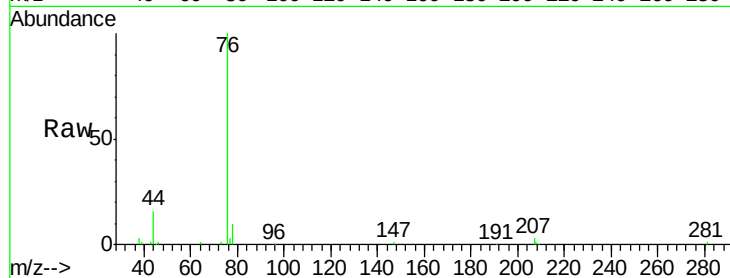
78 9.6 7.4 11.0

Manual Integrations

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MMDadoda

3/2/2020 11:00:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-681) (-)

40000

30000

20000

10000

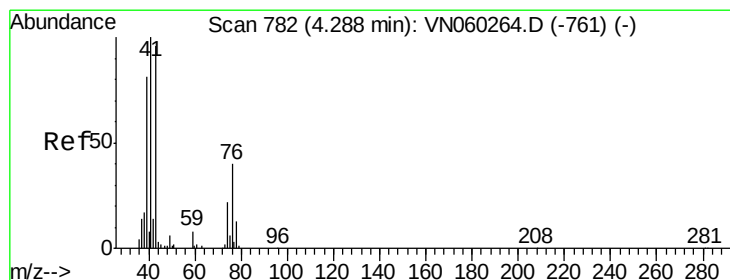
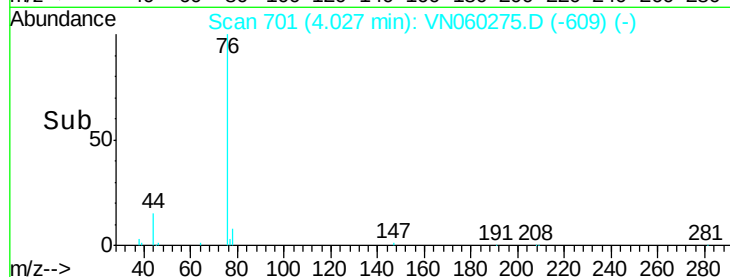
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 17.626 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060275.D

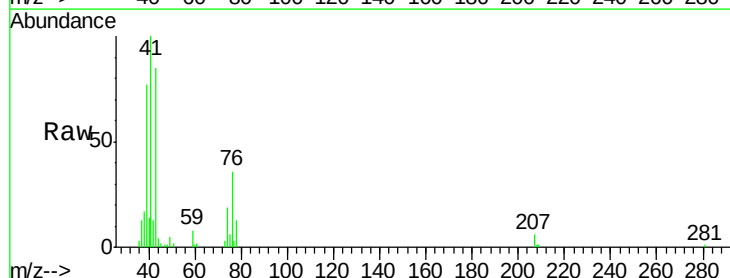
Acq: 28 Feb 2020 11:40

Tgt Ion: 43 Resp: 50836

Ion Ratio Lower Upper

43 100

74 23.7 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-761) (-)

Ion 74.00 (73.70 to 74.70): VN060264.D (-761) (-)

20000

15000

10000

5000

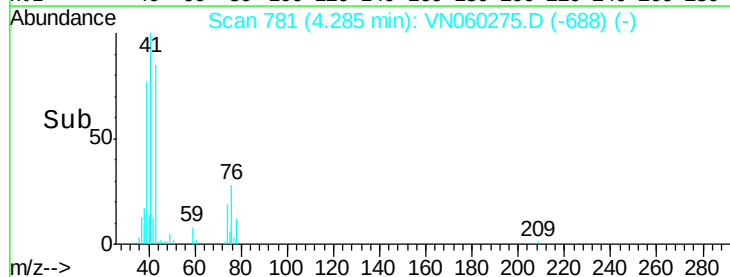
0

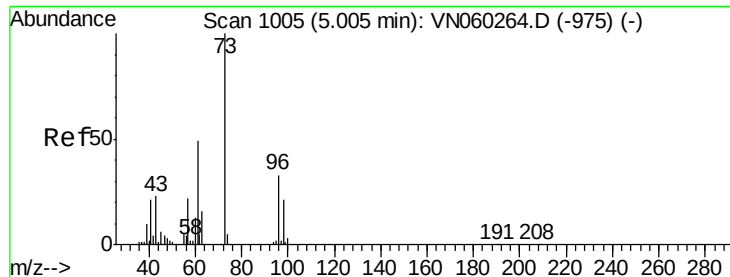
Time-->

4.20

4.30

4.40





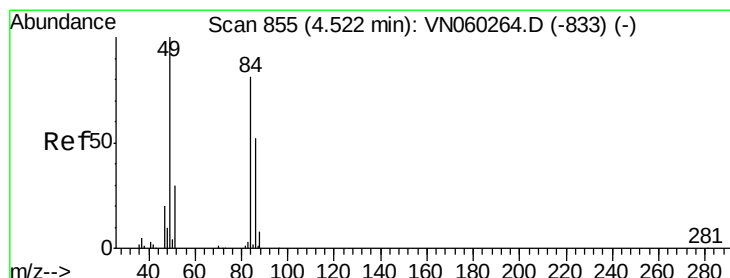
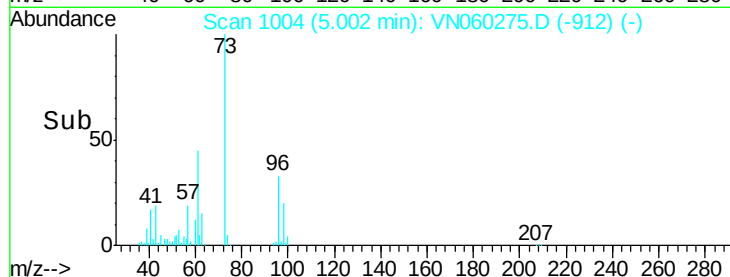
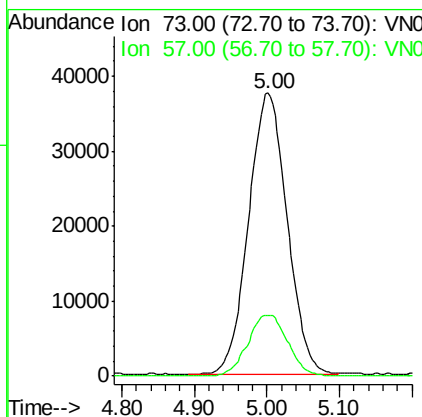
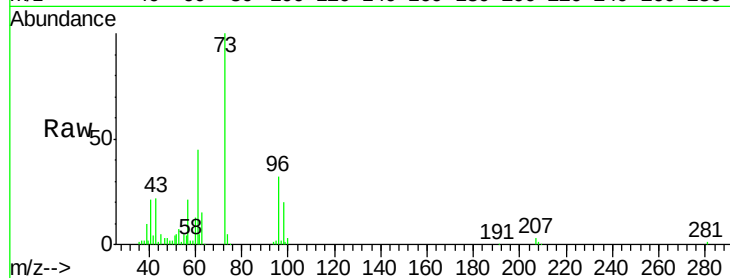
#19
Methyl tert-butyl Ether
Concen: 19.093 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

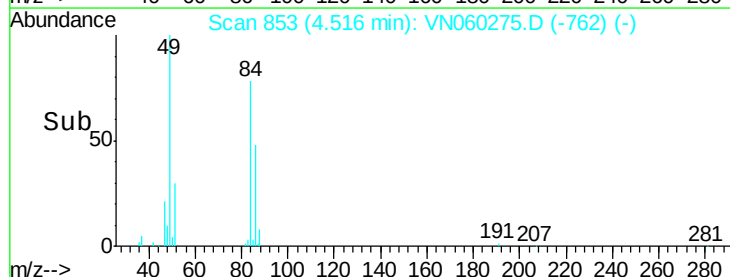
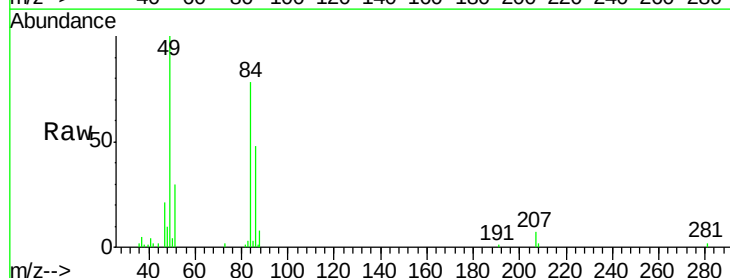
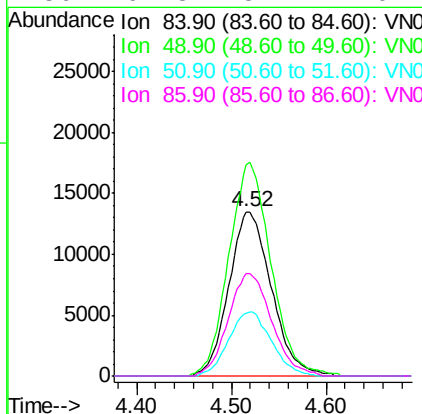
Manual Integrations
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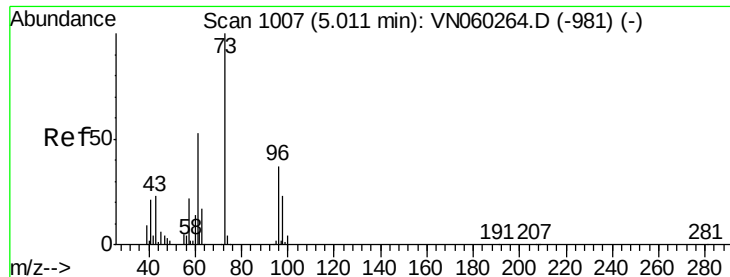
MMDadoda
3/2/2020 11:00:45 AM



#20
Methylene Chloride
Concen: 17.758 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.7	99.3	148.9
51	38.2	30.1	45.1
86	62.3	51.1	76.7





#21

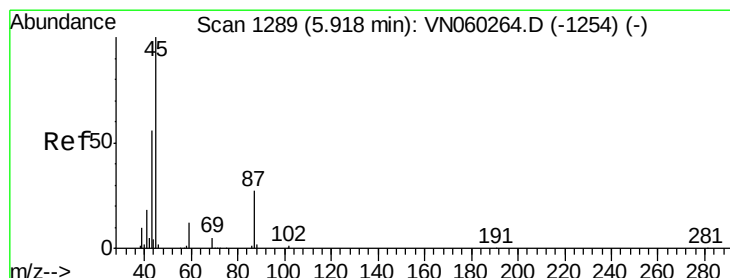
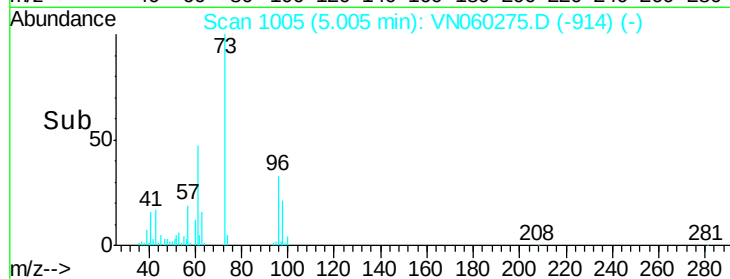
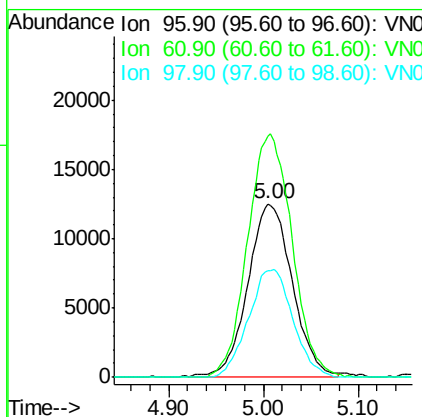
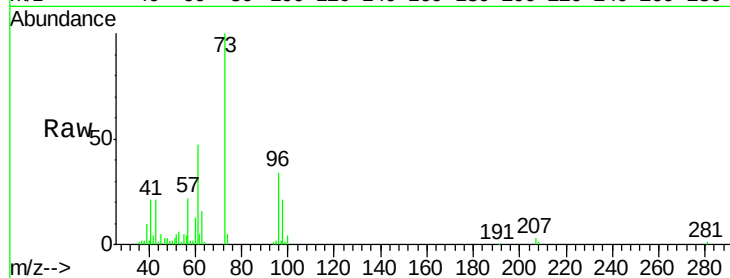
trans-1,2-Dichloroethene
Concen: 18.761 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	113.8	170.8
98	61.1	48.8	73.2

Manual Integrations
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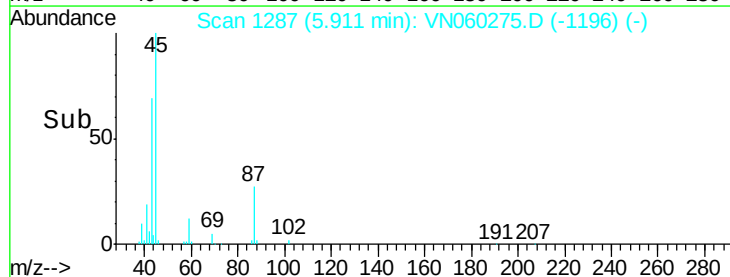
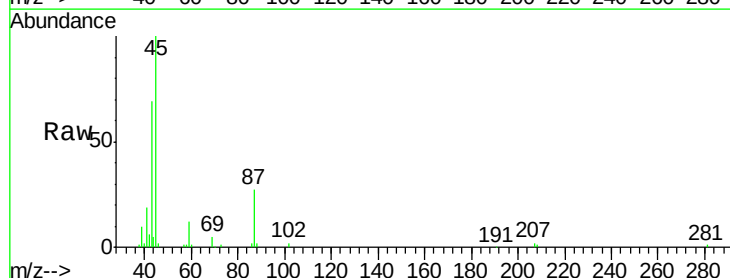
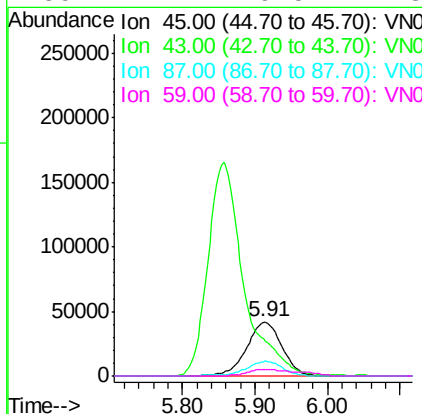
MMDadoda
3/2/2020 11:00:45 AM

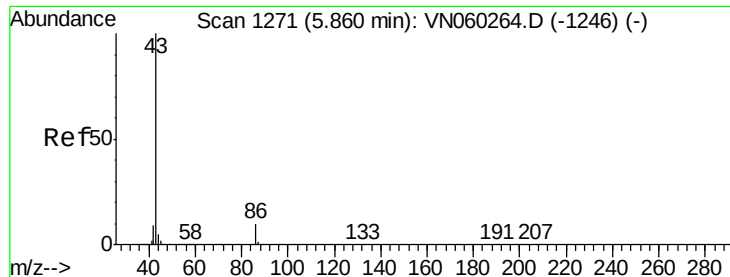


#22

Diisopropyl ether
Concen: 18.973 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	48.6	72.8
87	27.1	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 95.275 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0228WBSD01

Tot Ion: 43 Resp: 566630

Ion Ratio Lower Upper

43 100

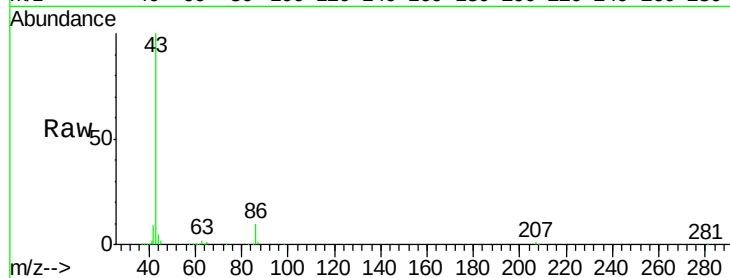
86 10.4 8.0 12.0

Manual Integrations

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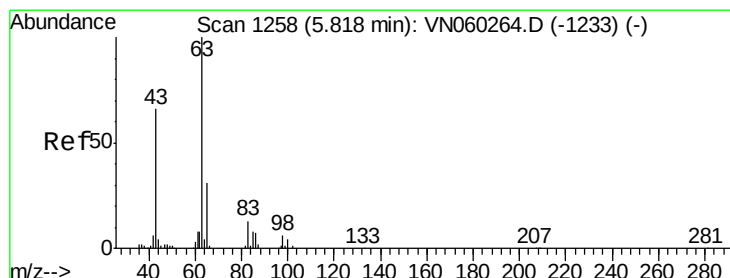
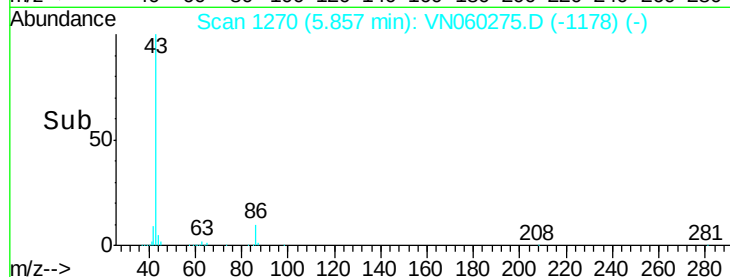
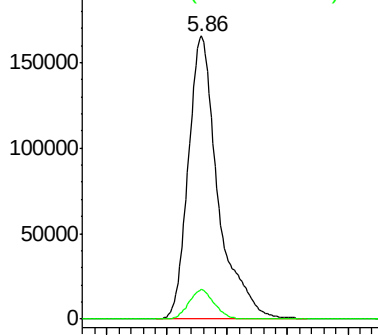
MMDadoda

3/2/2020 11:00:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.611 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

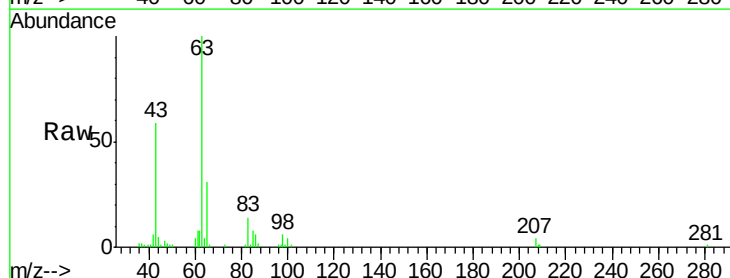
Tgt Ion: 63 Resp: 78847

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

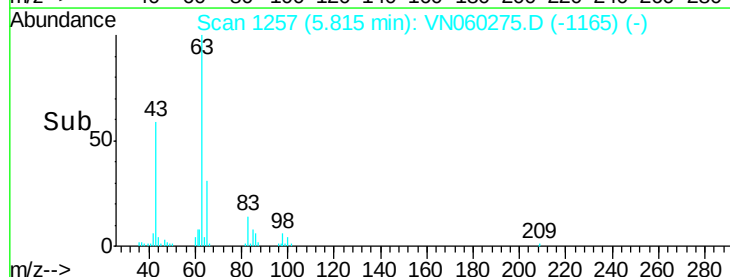
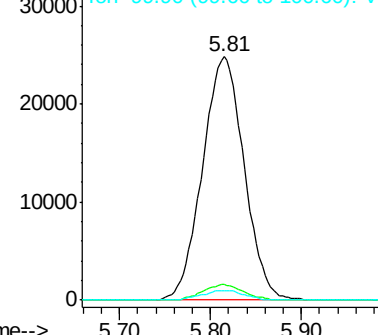
100 3.9 2.0 6.0

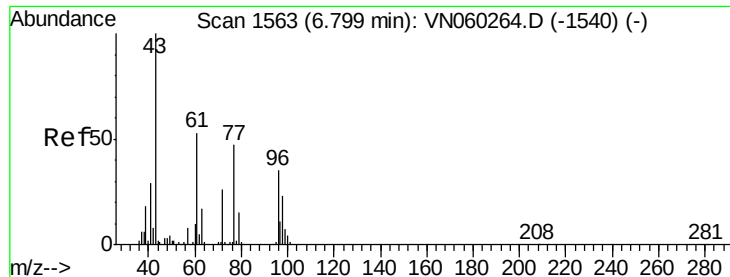


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.090 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0228WBSD01

Tot Ion: 43 Resp: 127157

Ion Ratio Lower Upper

43 100

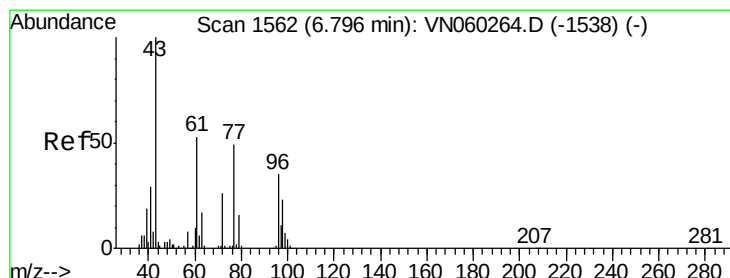
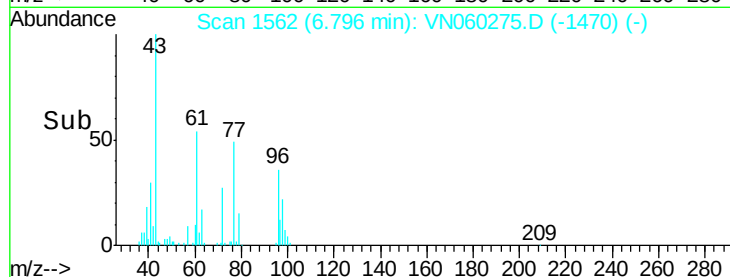
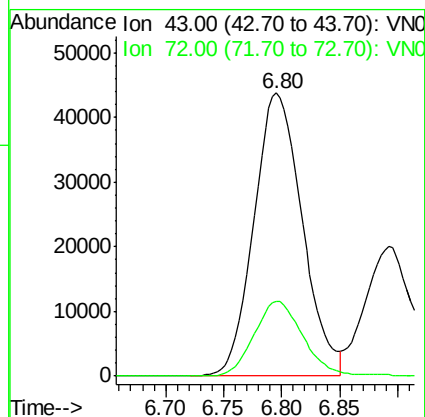
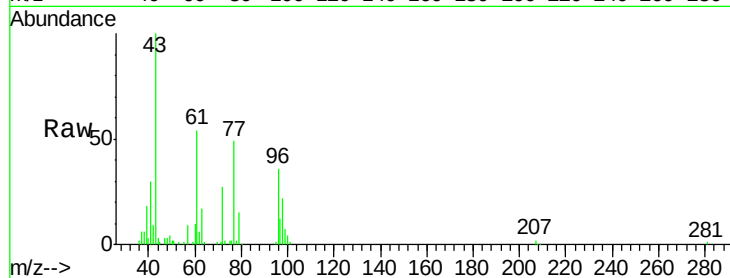
72 26.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:45 AM



#26

2,2-Dichloropropane

Concen: 18.168 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060275.D

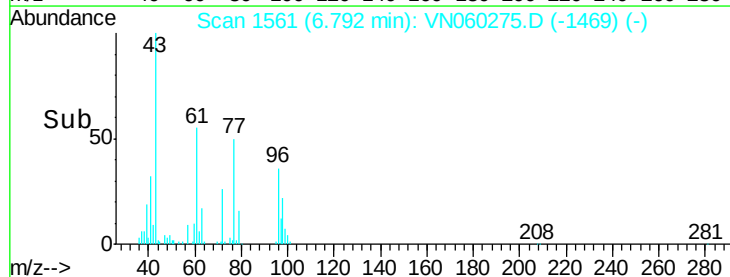
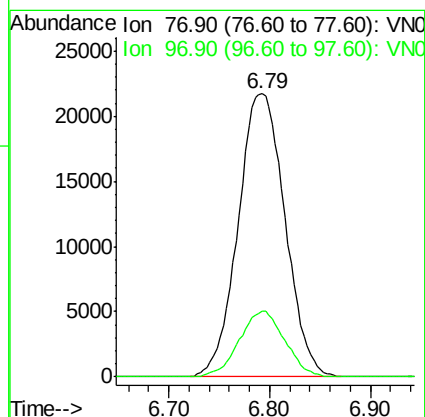
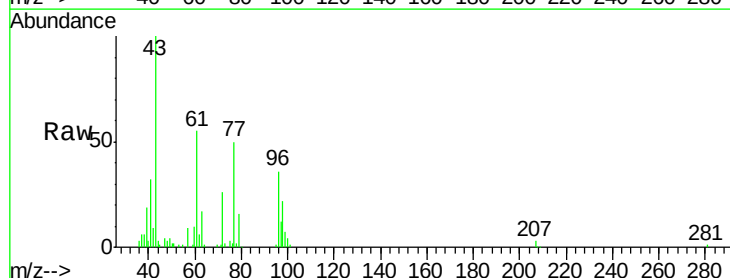
Acq: 28 Feb 2020 11:40

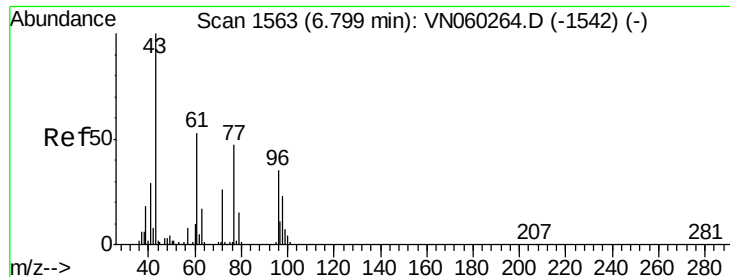
Tgt Ion: 77 Resp: 70072

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.474 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

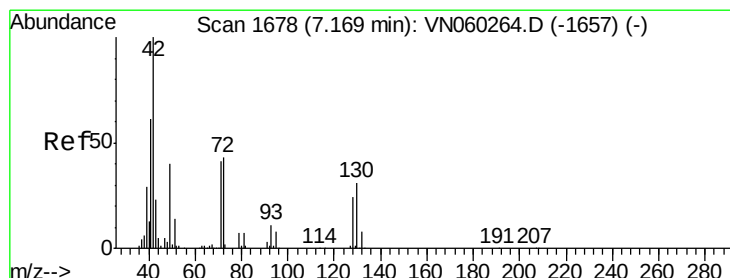
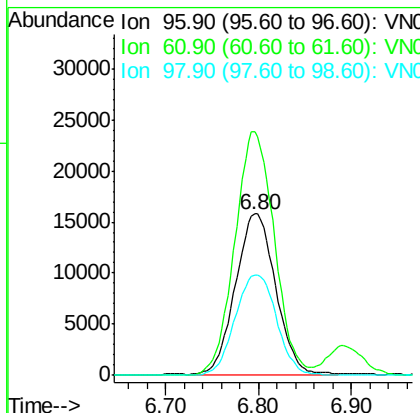
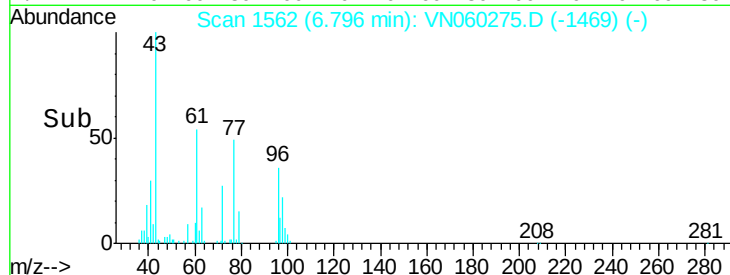
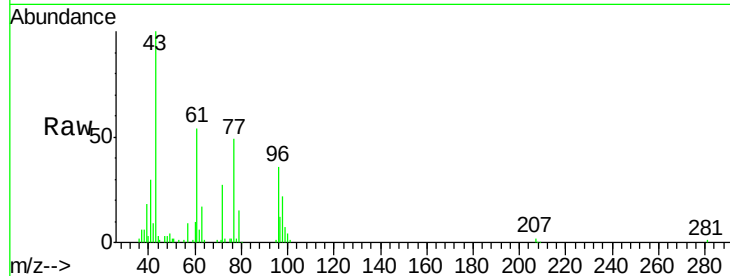
ClientSampleId :

VN0228WBSD01

Tot Ion:	96	Resp:	48090
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	300.8
98	63.4	0.0	128.2

Manual Integrations
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MMDadoda
3/2/2020 11:00:45 AM



#28

Bromochloromethane

Concen: 18.614 ug/l

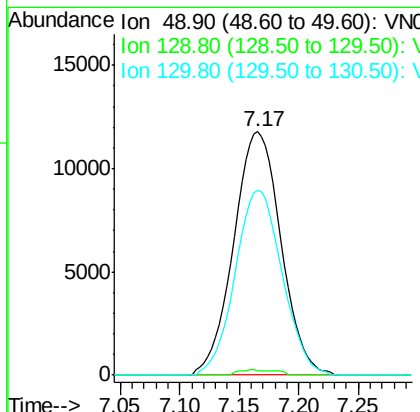
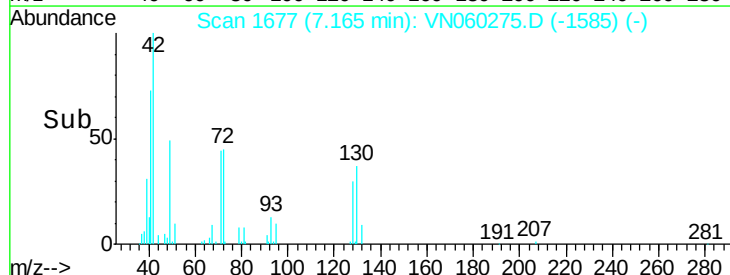
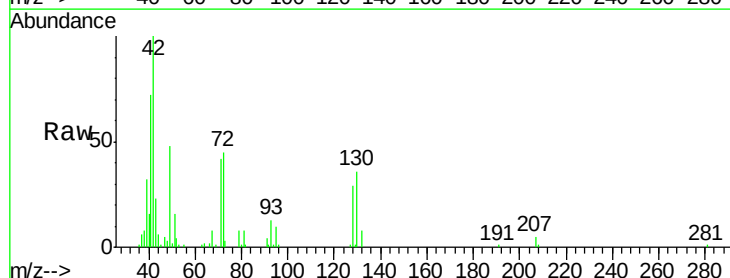
RT: 7.17 min Scan# 1677

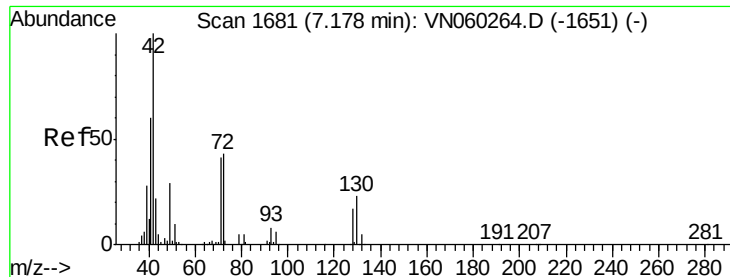
Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	49	Resp:	32378
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	75.4	59.8	89.8





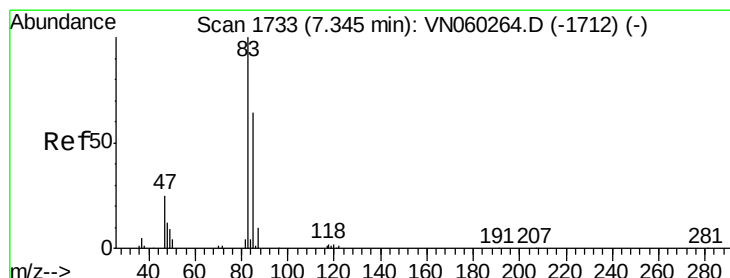
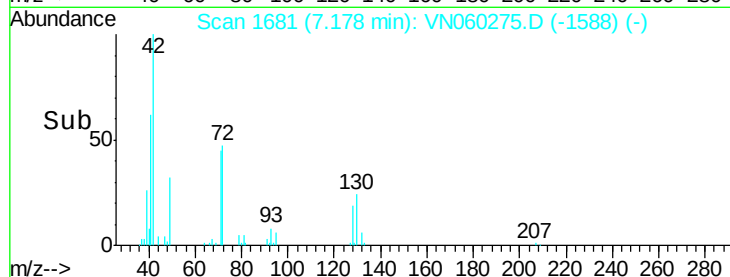
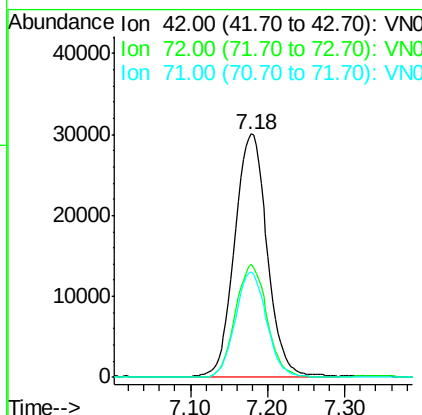
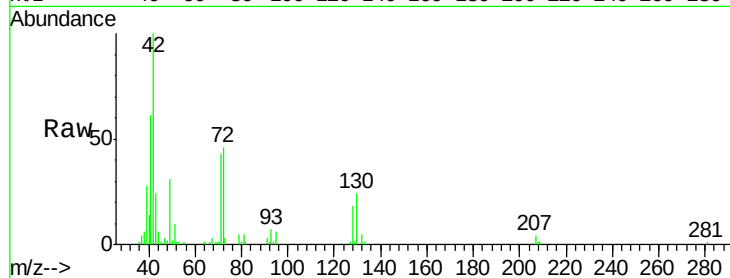
#29
Tetrahydrofuran
Concen: 90.978 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	52.0
71	41.1	32.9	49.3

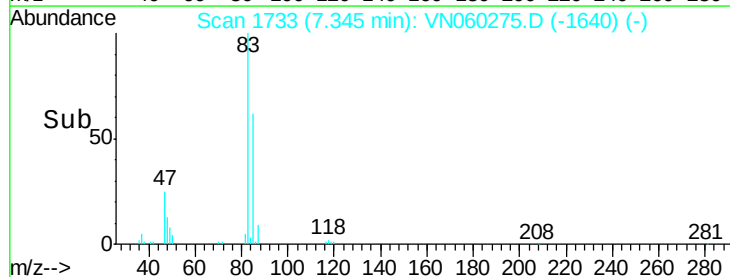
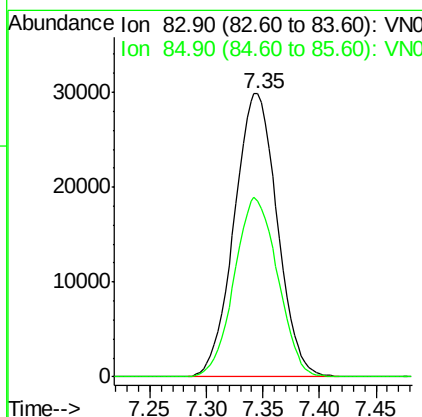
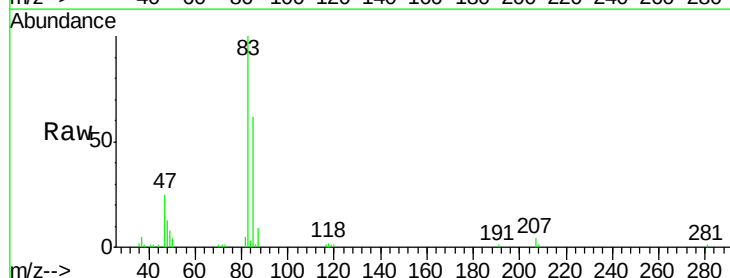
Manual Integrations
APPROVED

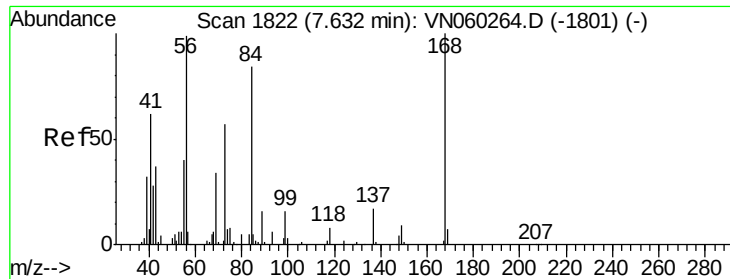
MMDadoda
3/2/2020 11:00:45 AM



#30
Chloroform
Concen: 18.766 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





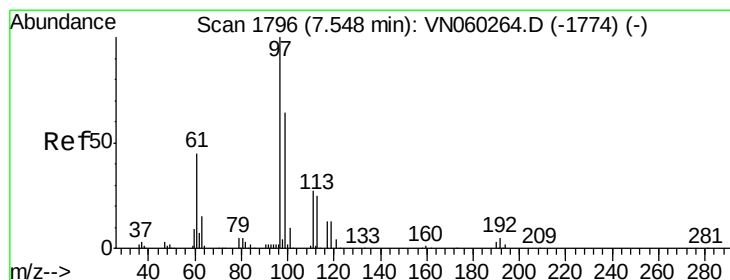
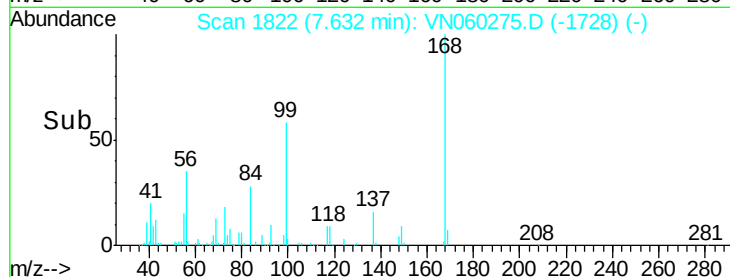
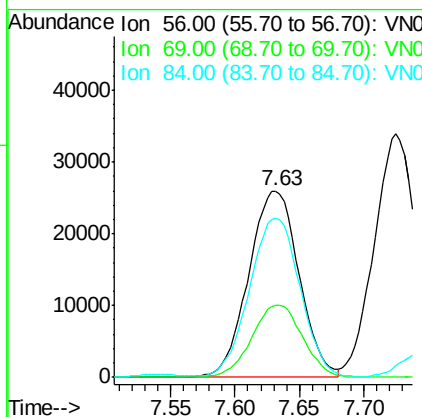
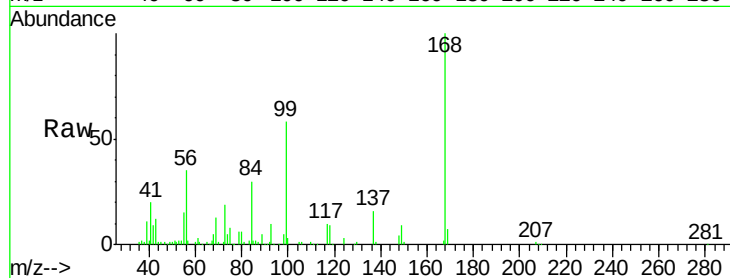
#31
Cyclohexane
Concen: 18.682 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	27.2	40.8
84	84.1	66.7	100.1

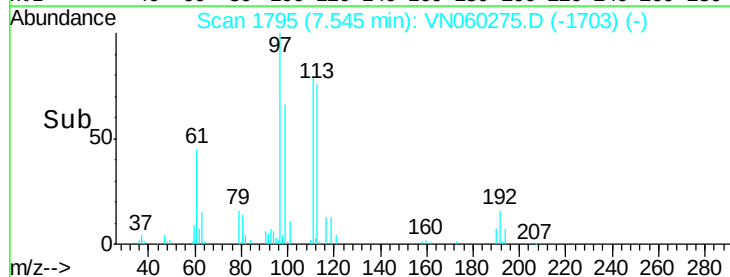
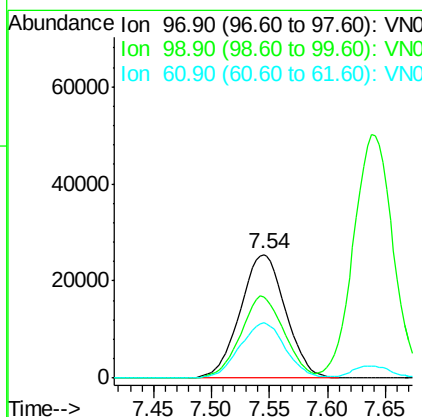
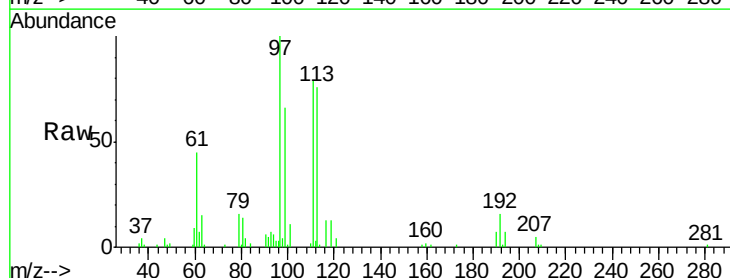
Manual Integrations
APPROVED

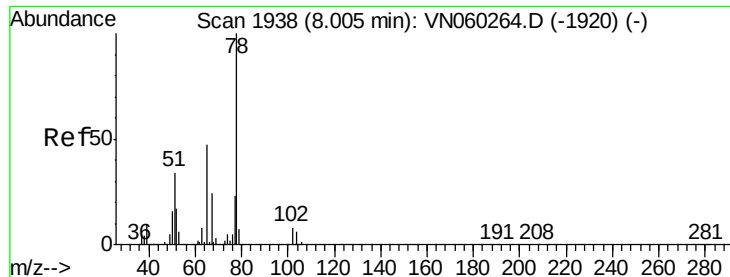
MMDadoda
3/2/2020 11:00:45 AM



#32
1,1,1-Trichloroethane
Concen: 18.472 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	44.9	36.6	55.0





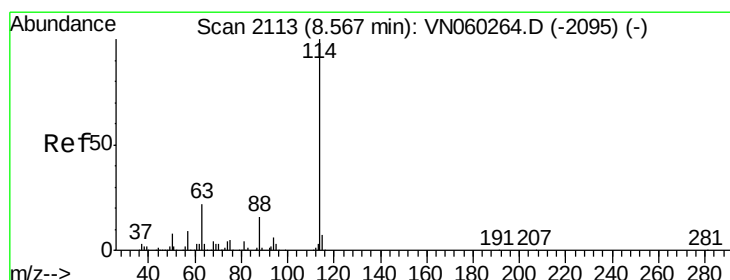
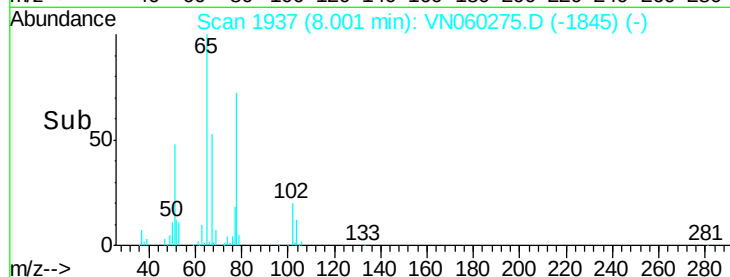
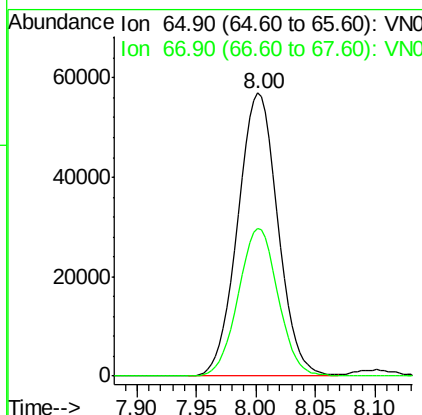
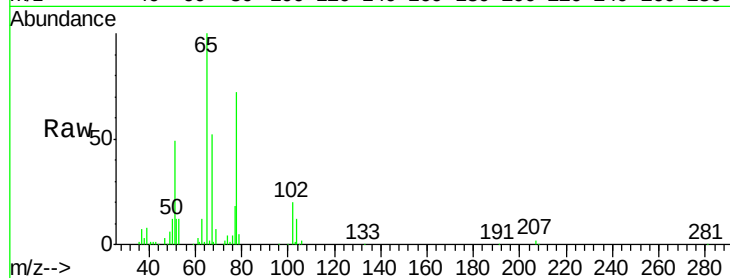
#33
 1,2-Dichloroethane-d4
 Concen: 49.840 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	103.8	

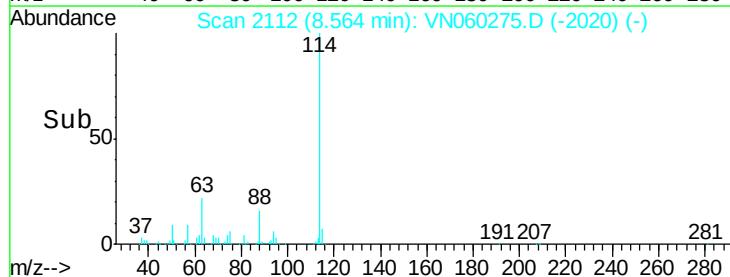
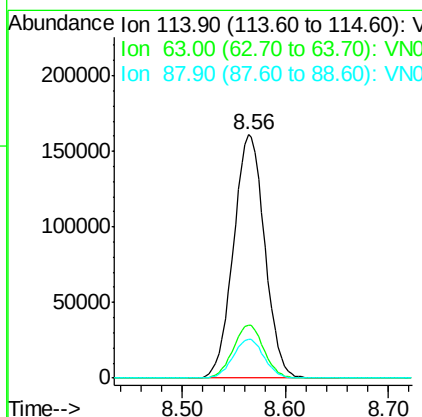
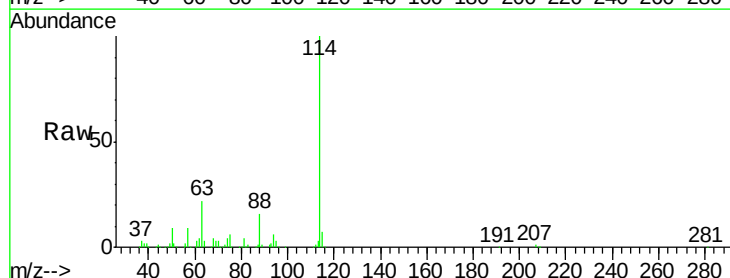
Manual Integrations
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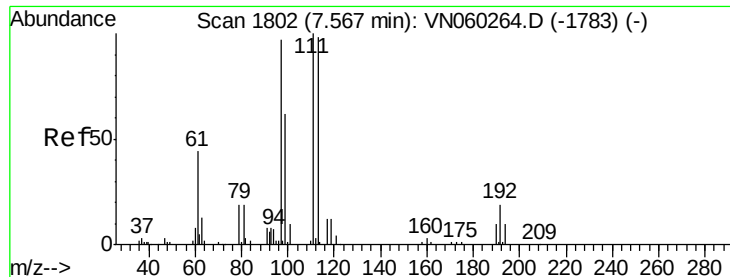
MMDadoda
 3/2/2020 11:00:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	43.2	
88	16.1	0.0	31.6	





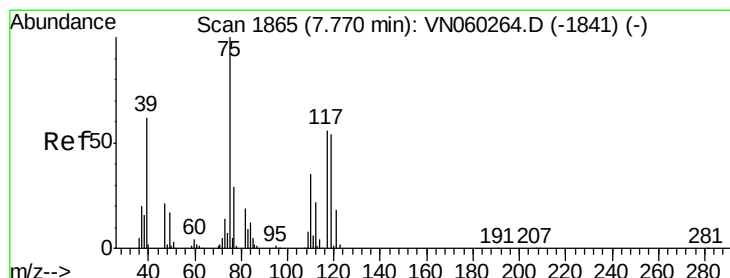
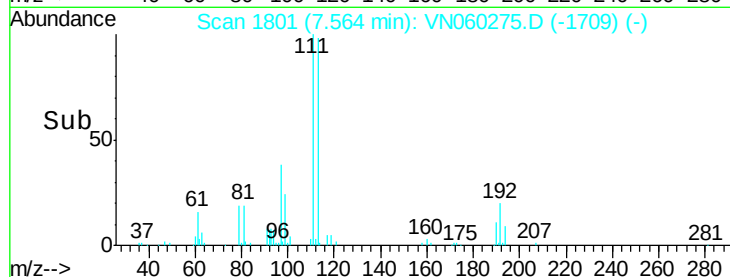
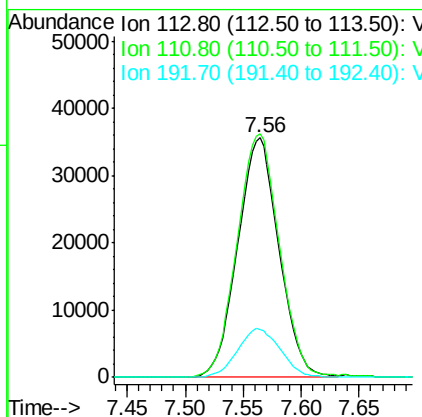
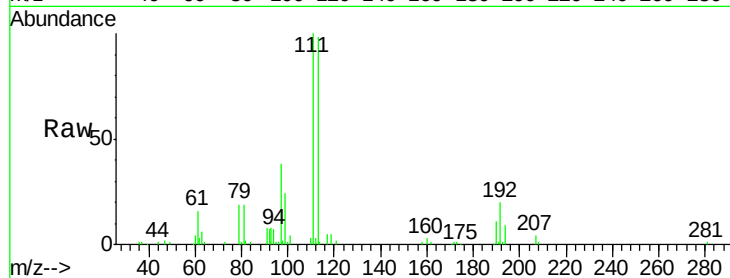
#35
 Dibromofluoromethane
 Concen: 56.184 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.4	123.6
192	20.9	16.2	24.2

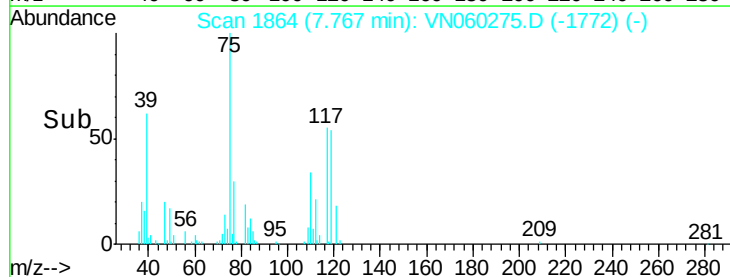
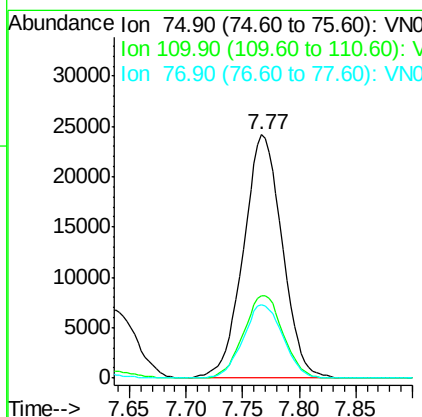
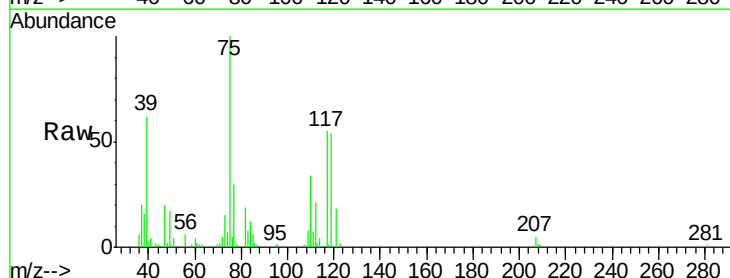
Manual Integrations
 APPROVED

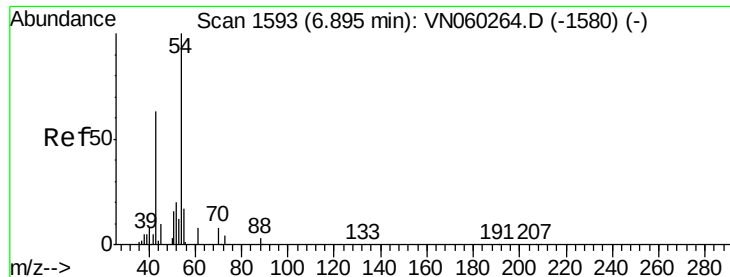
MMDadoda
 3/2/2020 11:00:45 AM



#36
 1,1-Dichloropropene
 Concen: 17.879 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	30.9	24.2	36.2





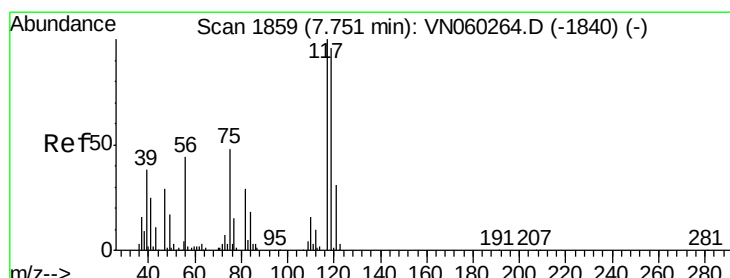
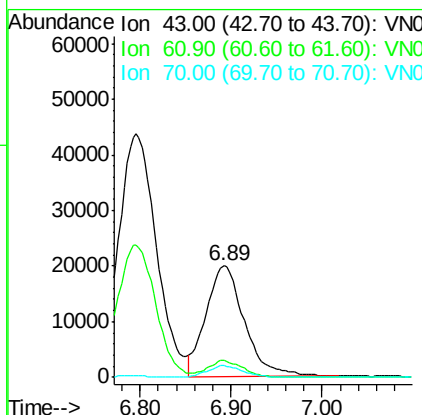
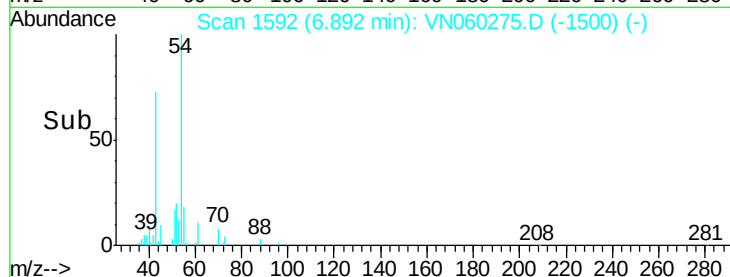
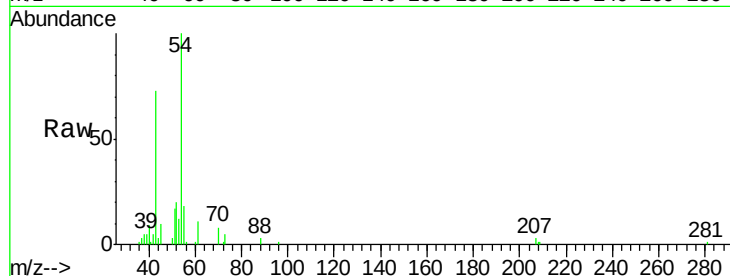
#37
Ethyl Acetate
Concen: 19.022 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.7	8.4	12.6

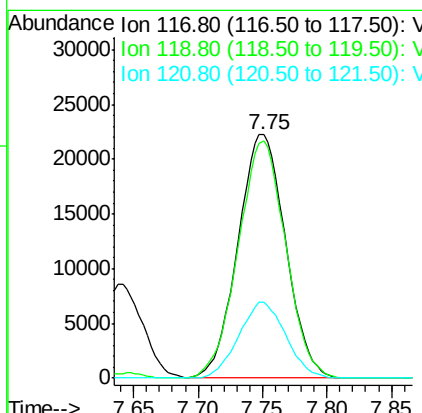
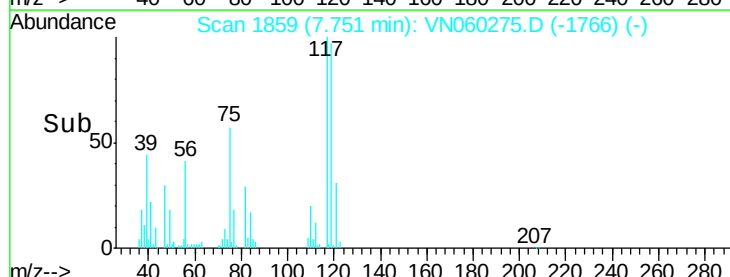
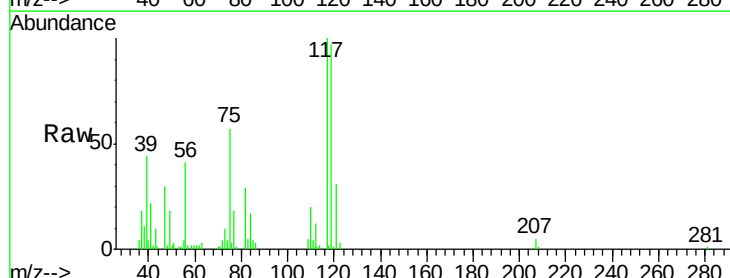
Manual Integrations
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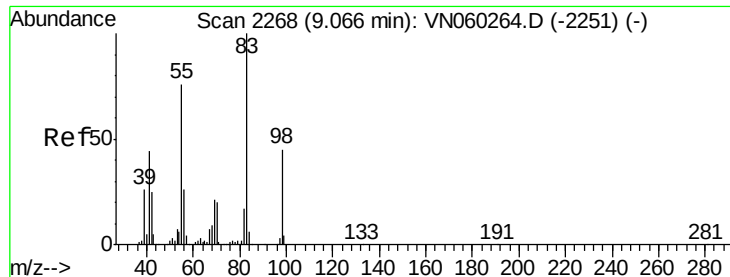
MMDadoda
3/2/2020 11:00:45 AM



#38
Carbon Tetrachloride
Concen: 18.243 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	31.2	24.5	36.7





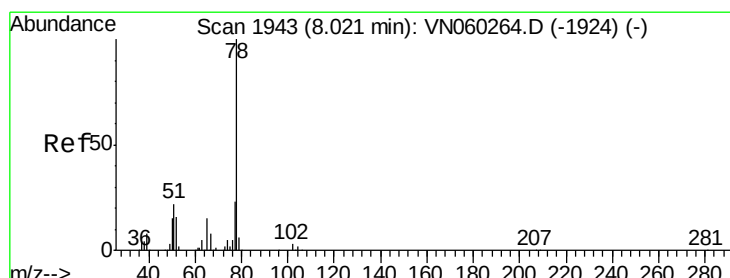
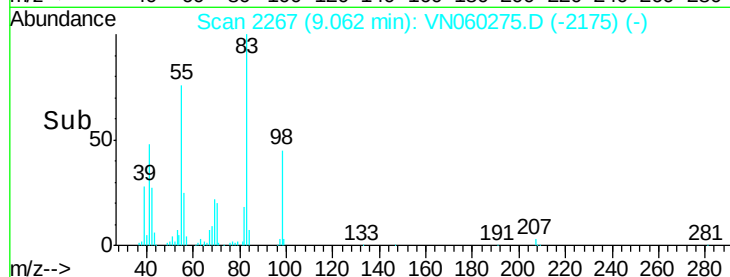
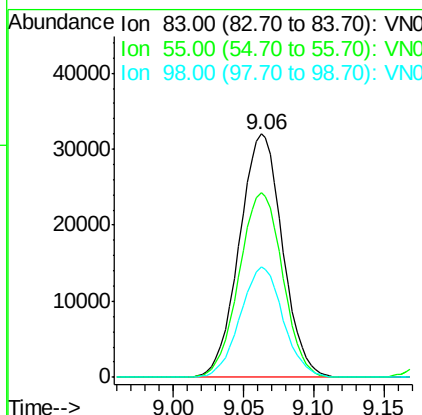
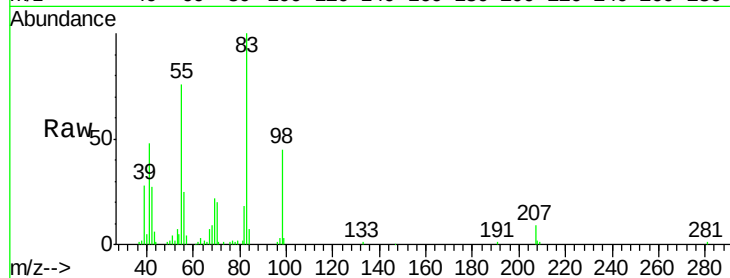
#39
Methylvlcyclohexane
Concen: 18.015 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	83	Resp	68495
Ion Ratio	Lower	Upper	
83	100		
55	75.8	61.0	91.4
98	45.3	36.1	54.1

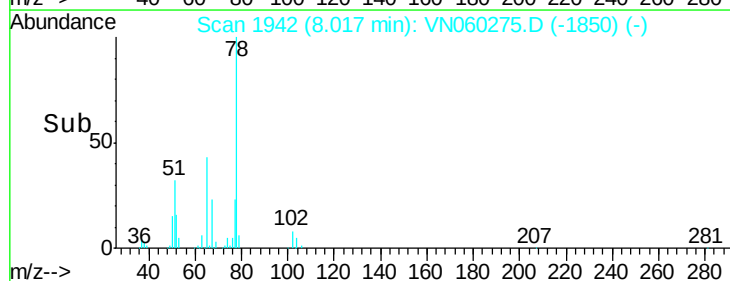
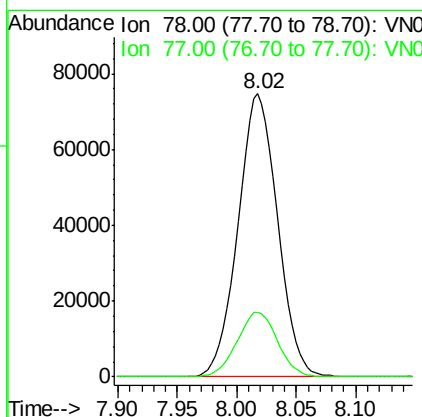
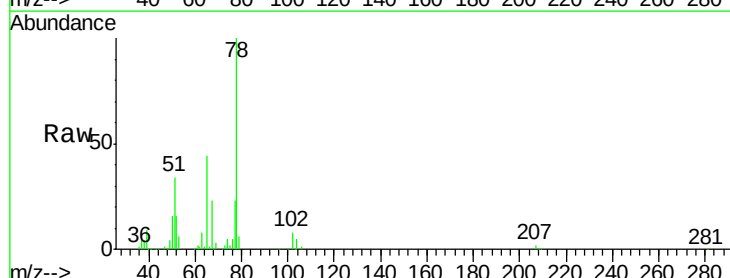
Manual Integrations
APPROVED

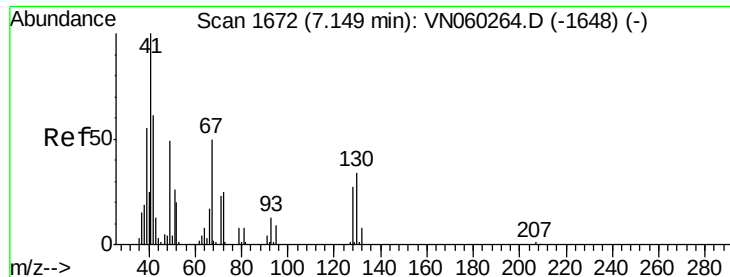
MMDadoda
3/2/2020 11:00:45 AM



#40
Benzene
Concen: 18.358 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	78	Resp	172297
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.8	28.2





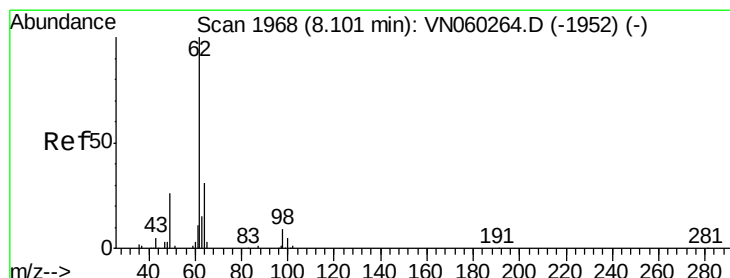
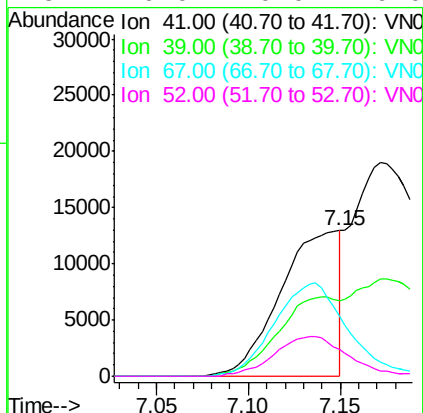
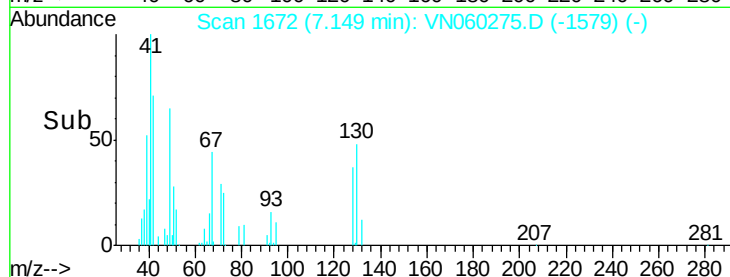
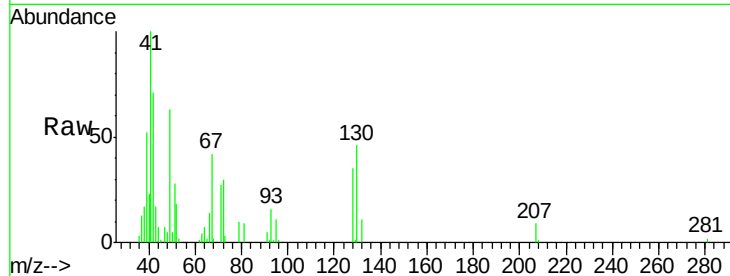
#41
Methacrylonitrile
Concen: 20.463 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	28850		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

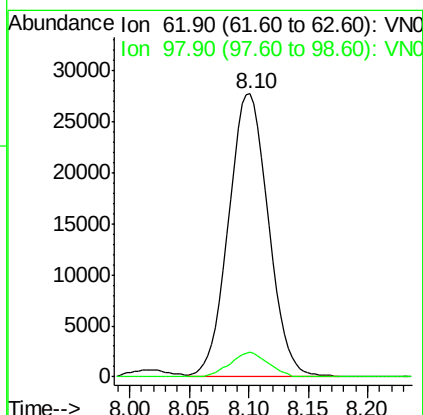
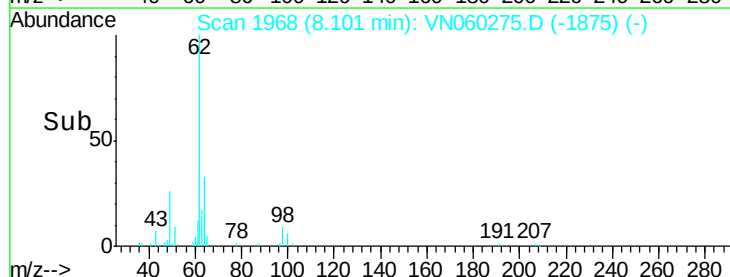
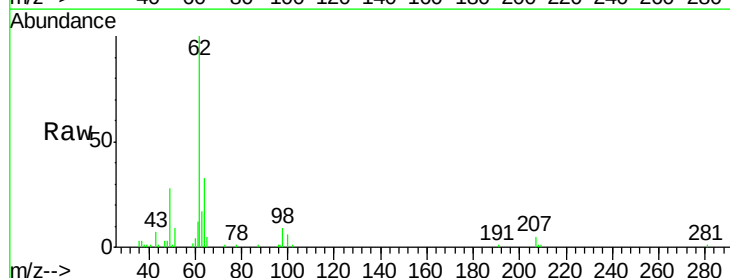
Manual Integrations
APPROVED

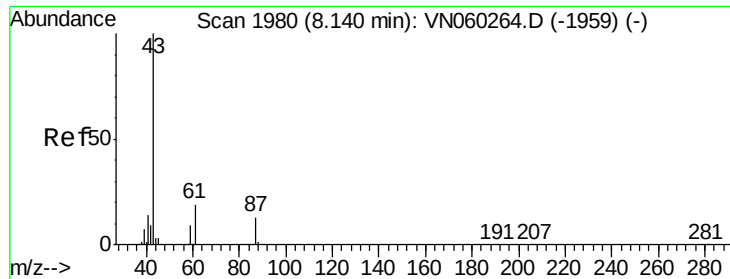
MMDadoda
3/2/2020 11:00:45 AM



#42
1,2-Dichloroethane
Concen: 19.020 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	64417		
98	8.4	0.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.752 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

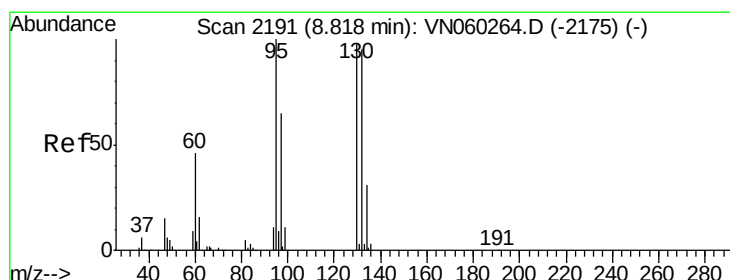
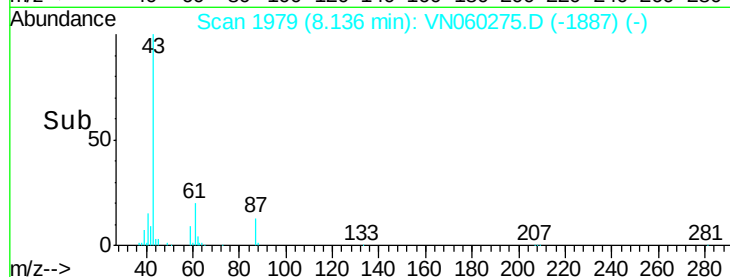
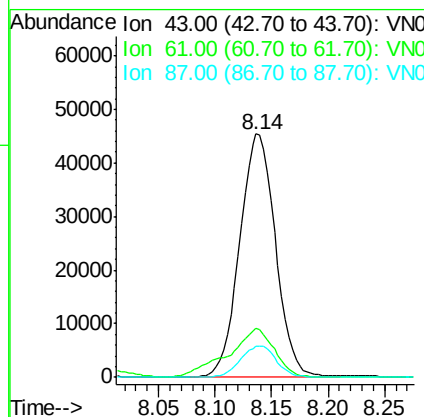
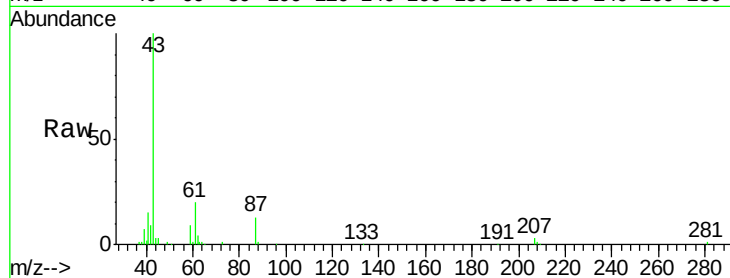
ClientSampleId :

VN0228WBSD01

Tot Ion:	43	Resp:	100235
Ion Ratio		Lower	Upper
43	100		
61	25.8	20.9	31.3
87	12.8	10.6	16.0

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 18.243 ug/l

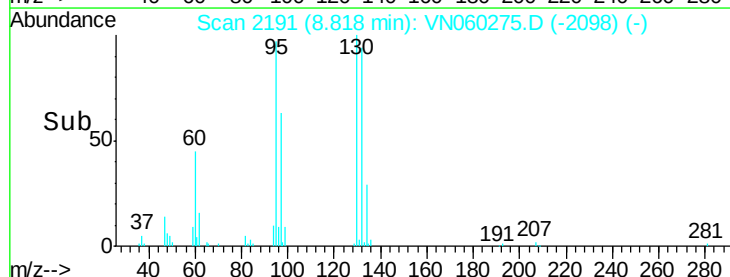
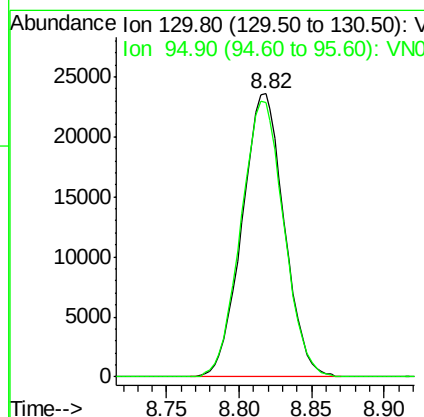
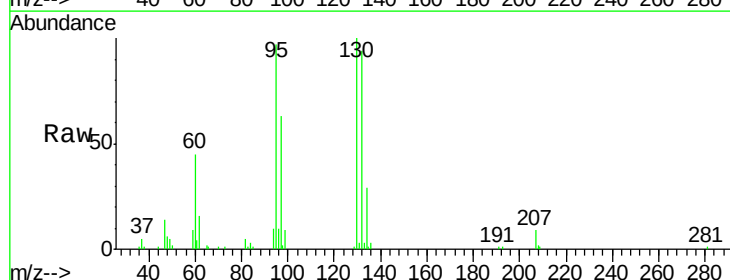
RT: 8.82 min Scan# 2191

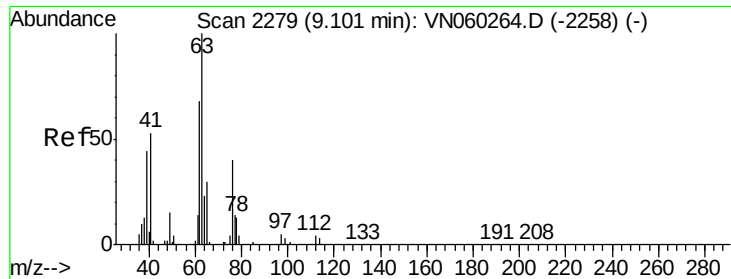
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	130	Resp:	47687
Ion Ratio		Lower	Upper
130	100		
95	96.8	0.0	203.4





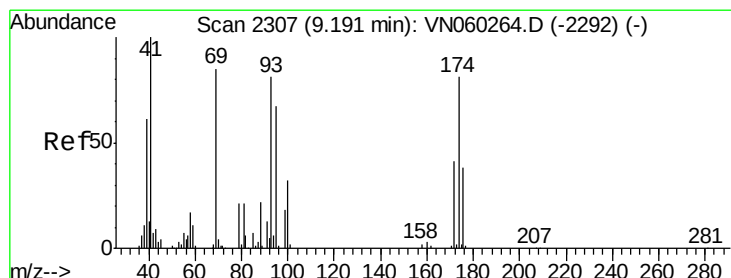
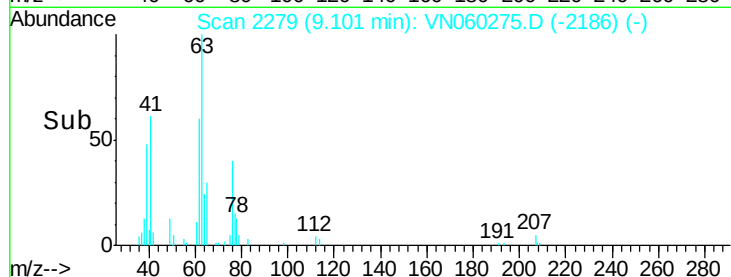
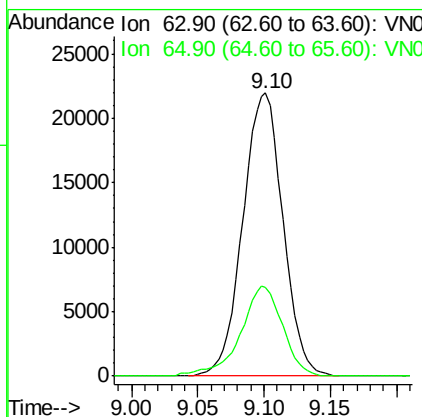
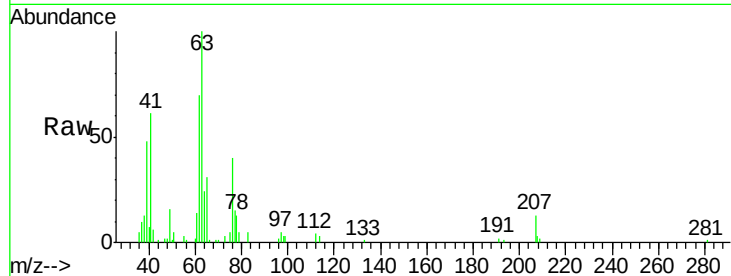
#45
 1,2-Dichloropropane
 Concen: 18.866 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.4	36.6

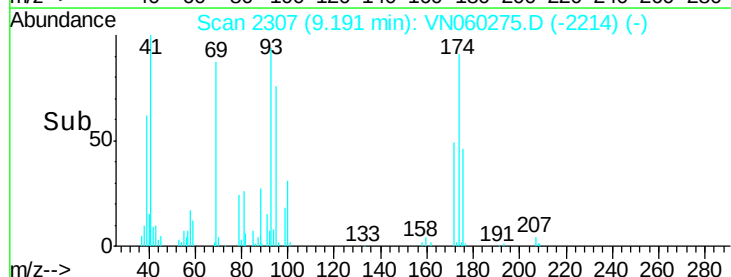
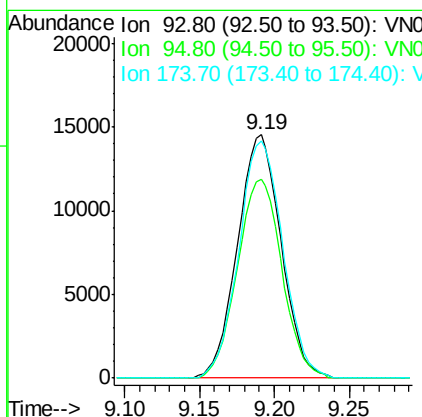
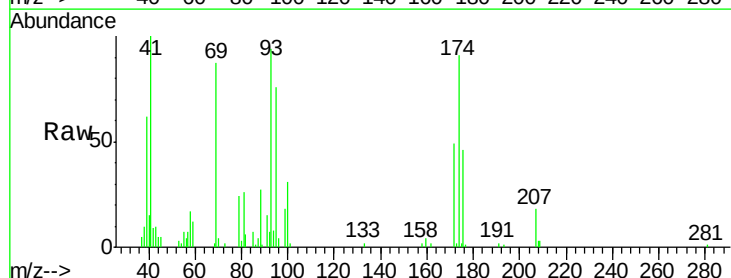
Manual Integrations
 APPROVED

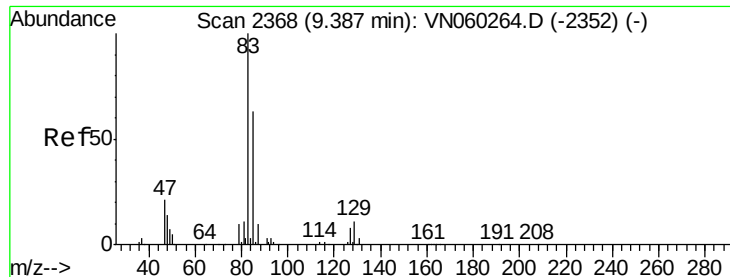
MMDadoda
 3/2/2020 11:00:45 AM



#46
 Dibromomethane
 Concen: 18.509 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	98.4	79.6	119.4





#47

Bromodichloromethane

Concen: 18.937 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

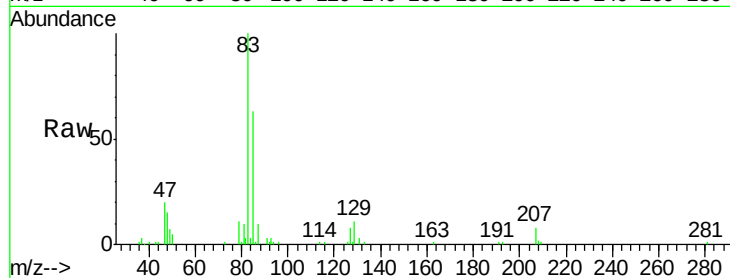
ClientSampleId :

VN0228WBSD01

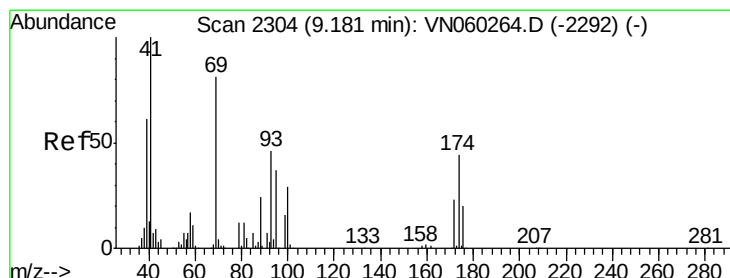
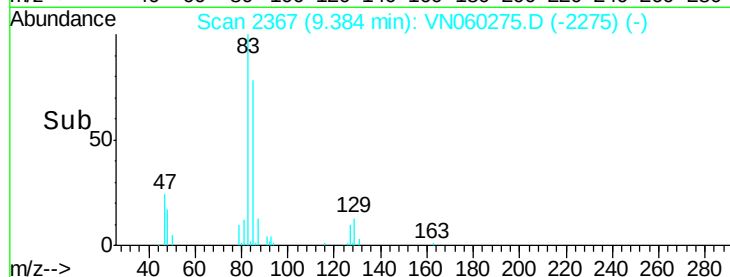
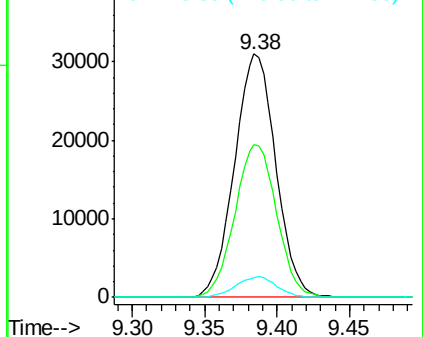
Tot Ion:	83	Resp:	61326
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.7	76.1
127	8.2	6.8	10.2

Manual Integrations
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MMDadoda
3/2/2020 11:00:45 AM



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



#48

Methyl methacrylate

Concen: 17.756 ug/l

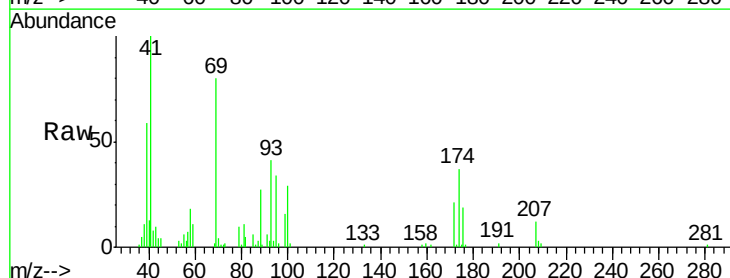
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

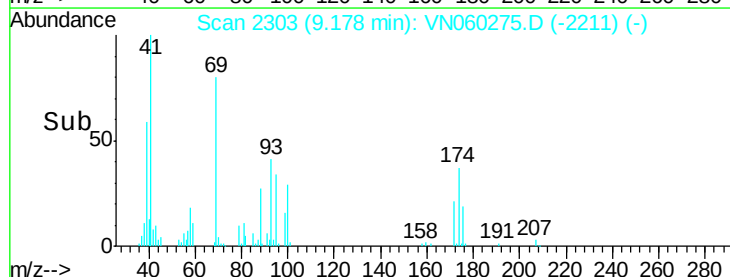
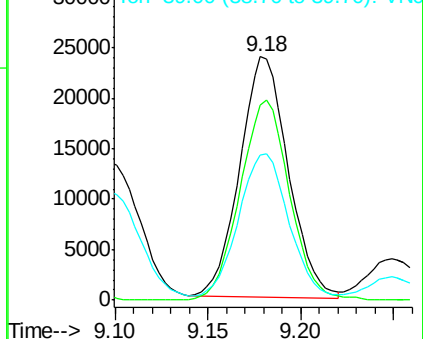
Lab File: VN060275.D

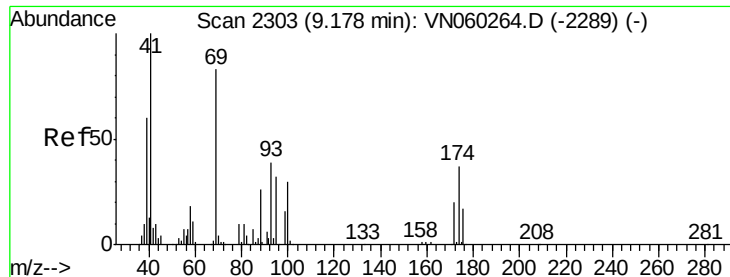
Acq: 28 Feb 2020 11:40

Tgt Ion:	41	Resp:	43281
Ion	Ratio	Lower	Upper
41	100		
69	85.2	66.7	100.1
39	61.1	50.1	75.1



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





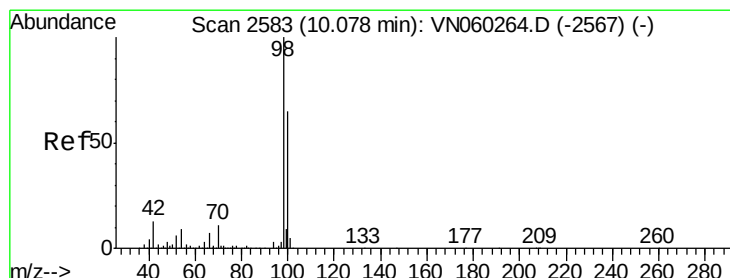
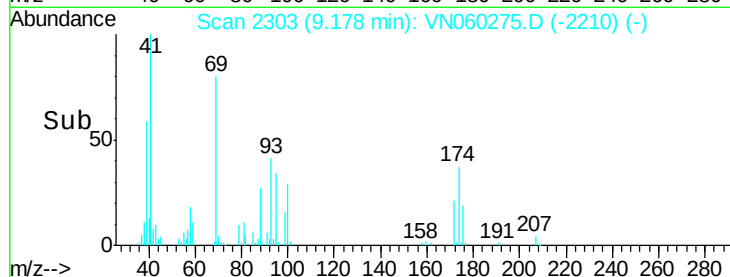
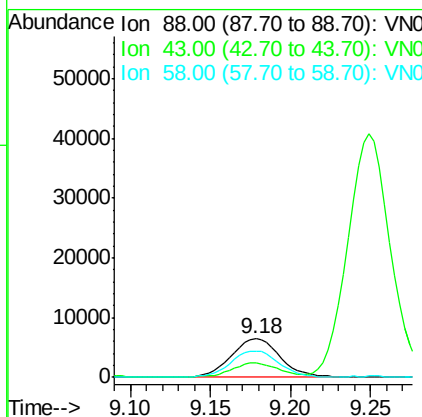
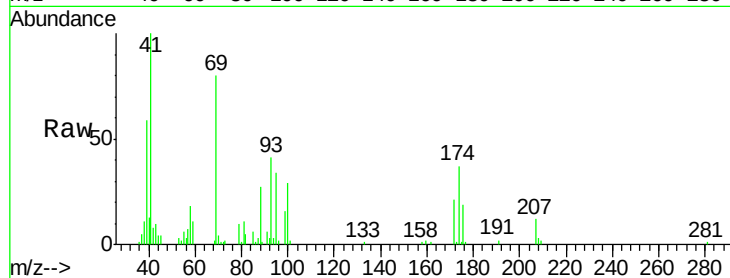
#49
1,4-Dioxane
Concen: 393.044 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	88	Resp	13473
Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.4	45.6
58	67.7	57.0	85.6

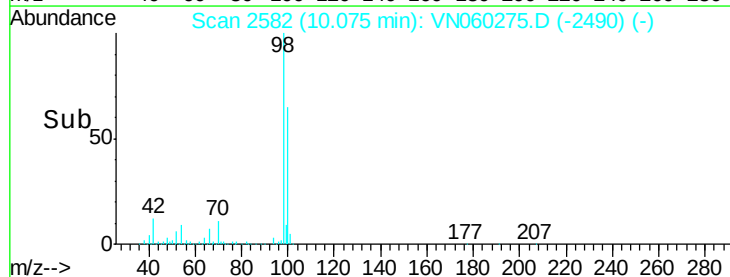
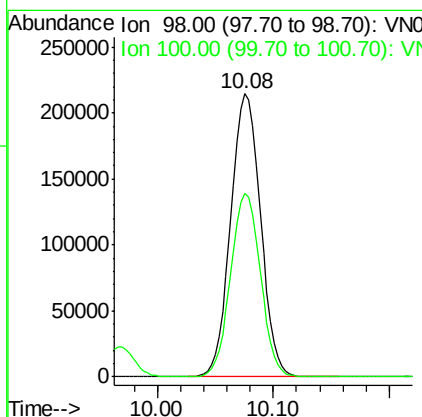
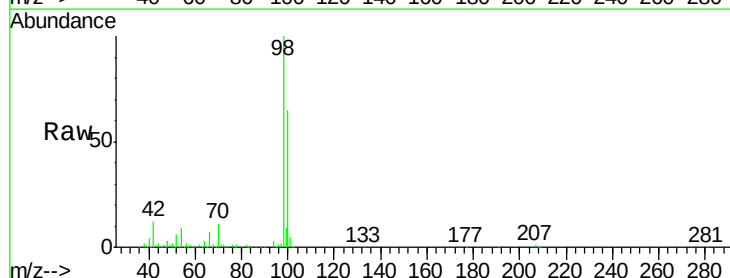
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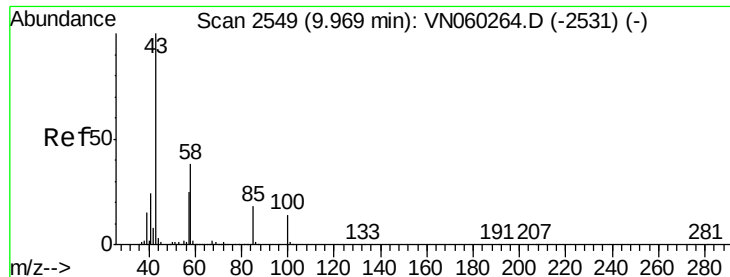
MMDadoda
3/2/2020 11:00:45 AM



#50
Toluene-d8
Concen: 48.282 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	98	Resp	383769
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





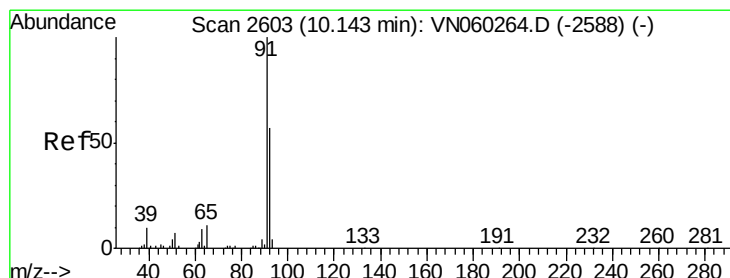
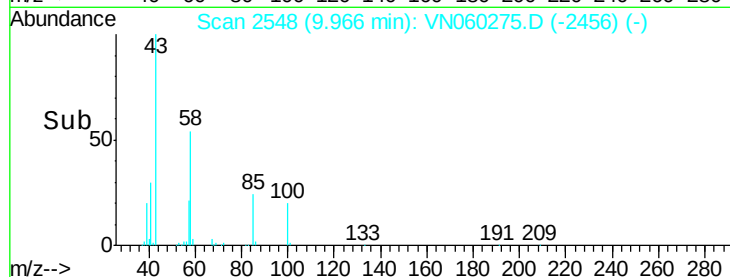
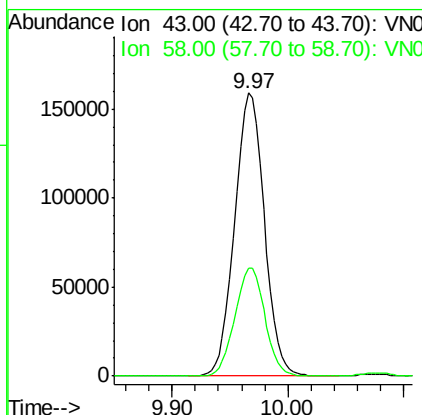
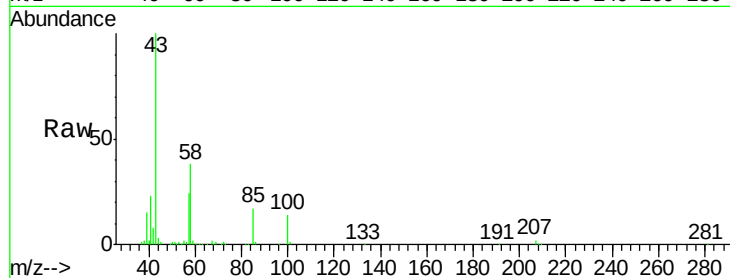
#51
4-Methyl-2-Pentanone
Concen: 93.054 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.9	46.3

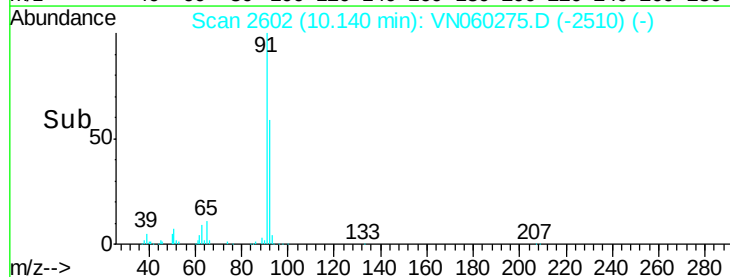
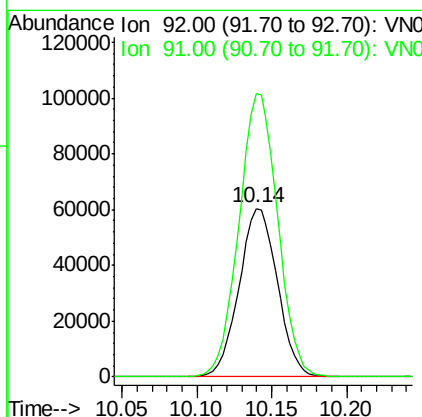
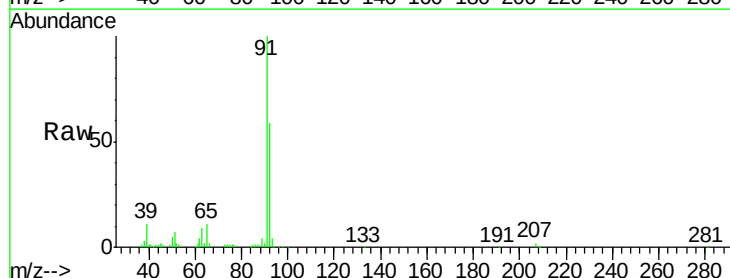
Manual Integrations
APPROVED

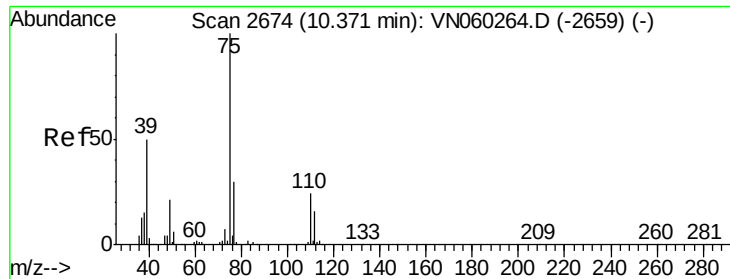
MMDadoda
3/2/2020 11:00:45 AM



#52
Toluene
Concen: 18.261 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	138.1	207.1





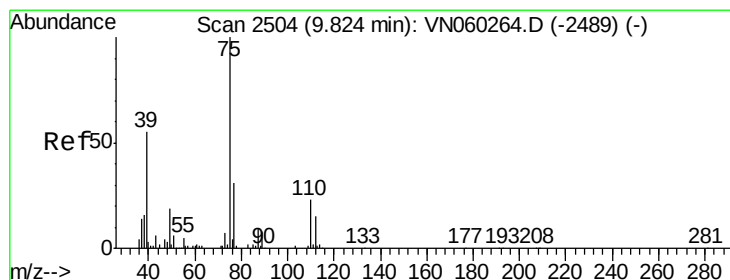
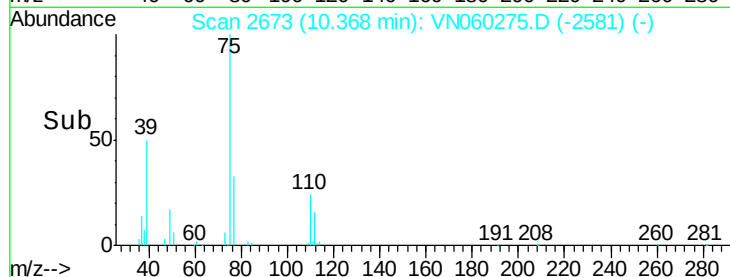
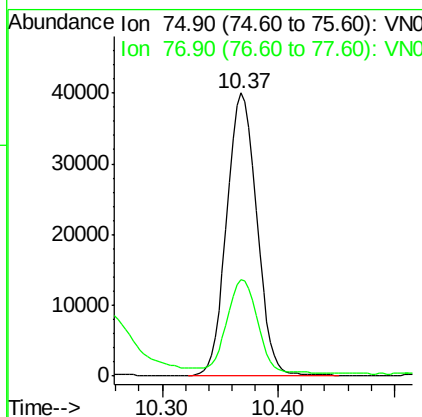
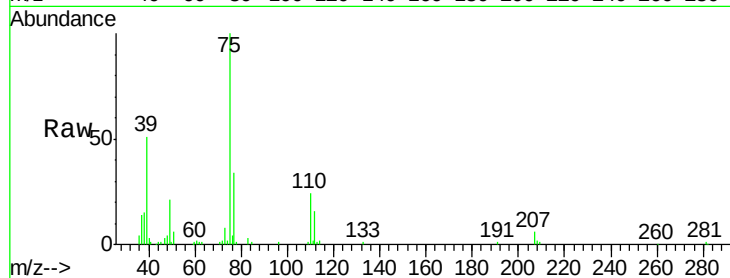
#53
t-1,3-Dichloropropene
Concen: 18.140 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion: 75 Resp: 71981
Ion Ratio Lower Upper
75 100
77 33.0 24.8 37.2

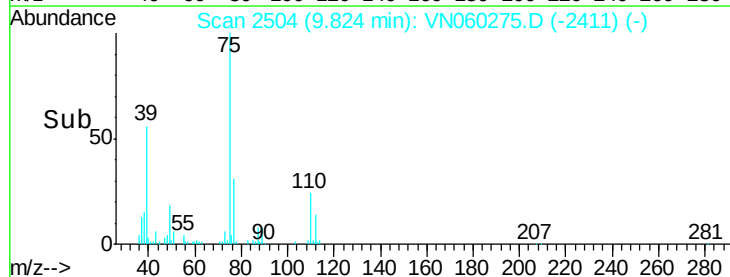
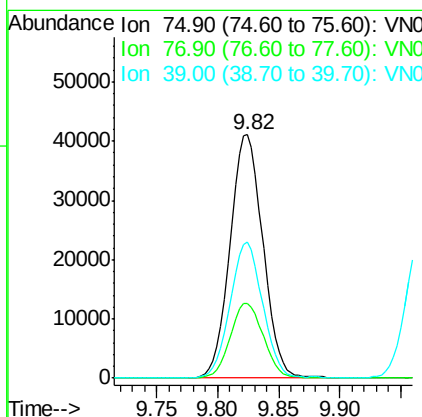
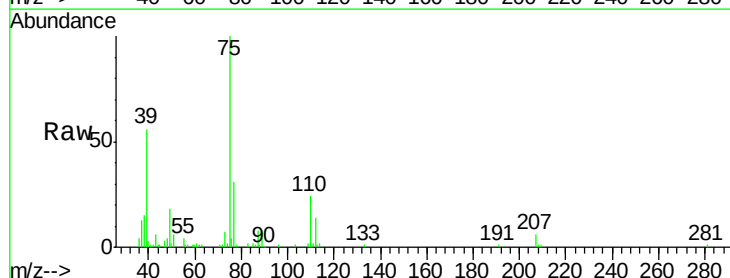
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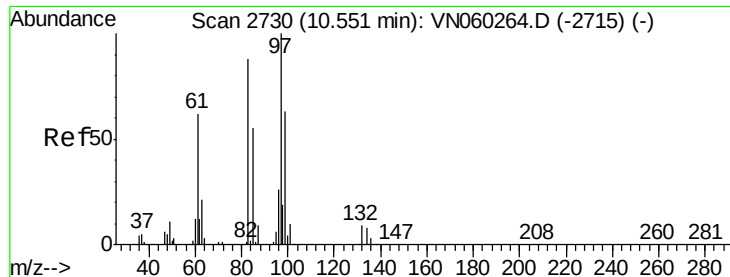
MMDadoda
3/2/2020 11:00:45 AM



#54
cis-1,3-Dichloropropene
Concen: 18.737 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion: 75 Resp: 77042
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 55.8 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 18.485 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

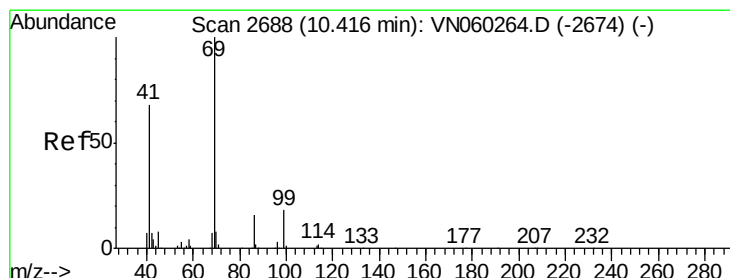
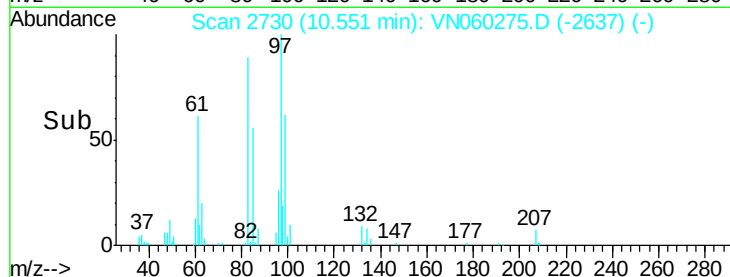
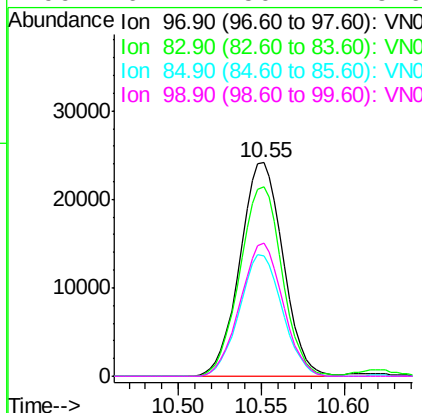
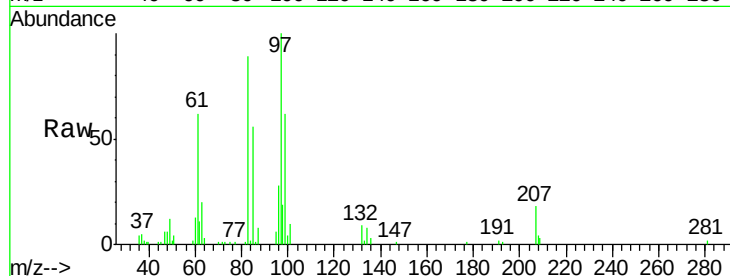
ClientSampled :

VN0228WBSD01

Tot Ion:	97	Resp:	43826
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.0	105.0
85	56.2	44.0	66.0
99	62.4	50.4	75.6

Manual Integrations
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3/2/2020 11:00:45 AM



#56

Ethyl methacrylate

Concen: 18.675 ug/l

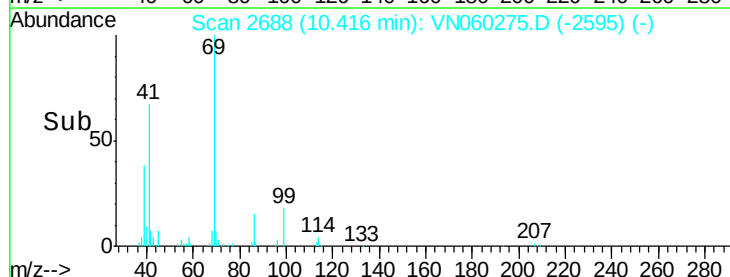
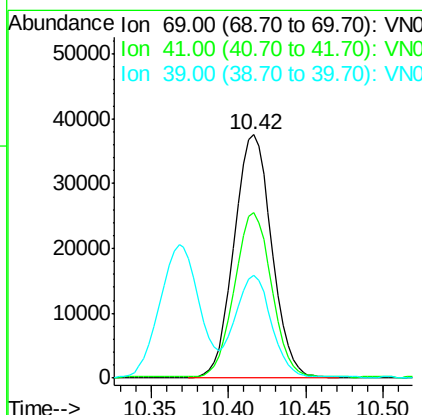
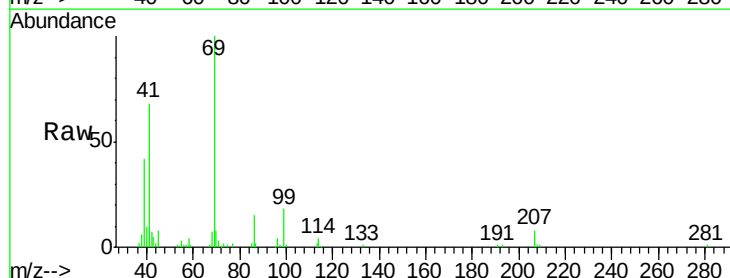
RT: 10.42 min Scan# 2688

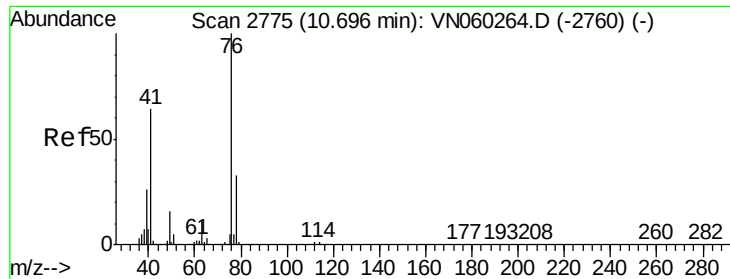
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	69	Resp:	63611
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.1	81.1
39	40.3	32.5	48.7





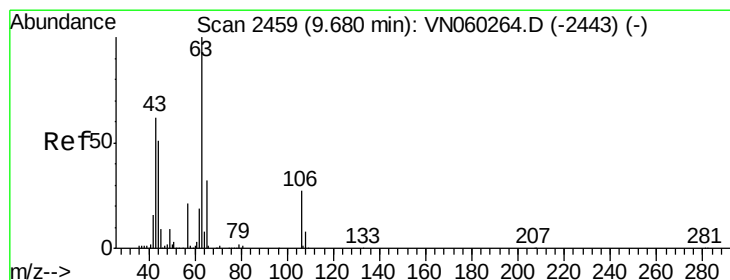
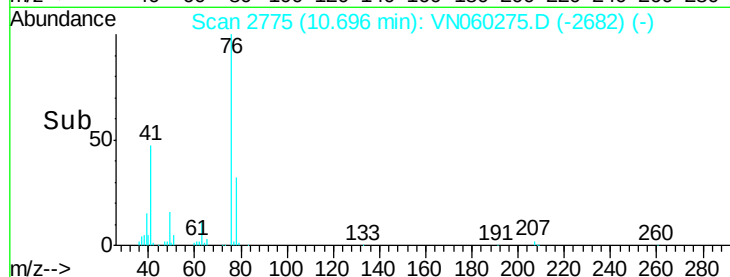
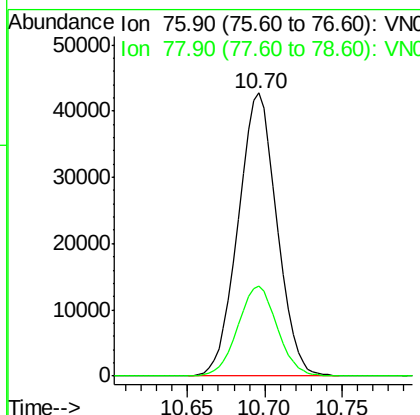
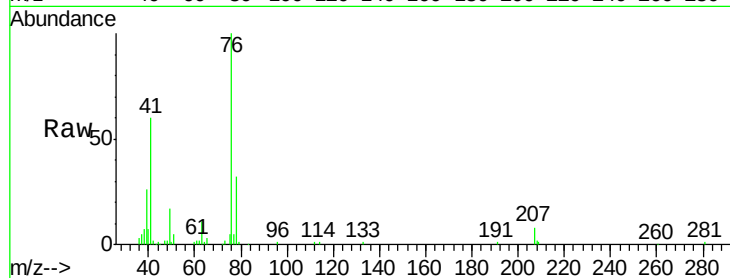
#57
 1,3-Dichloropropane
 Concen: 19.274 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion: 76 Resp: 74522
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

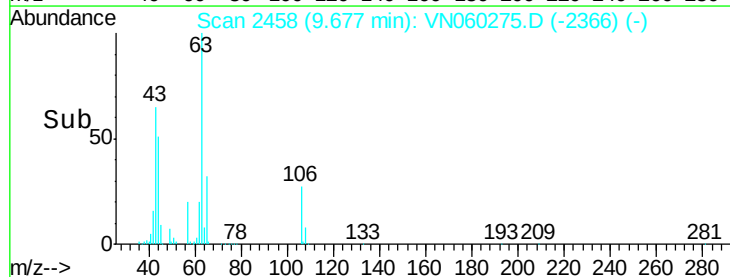
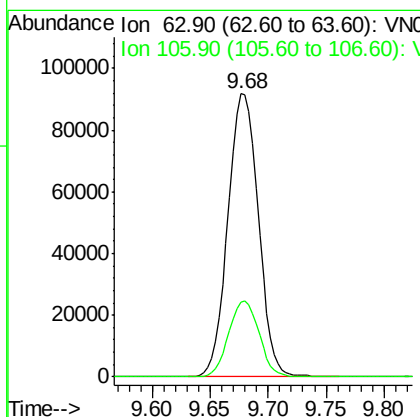
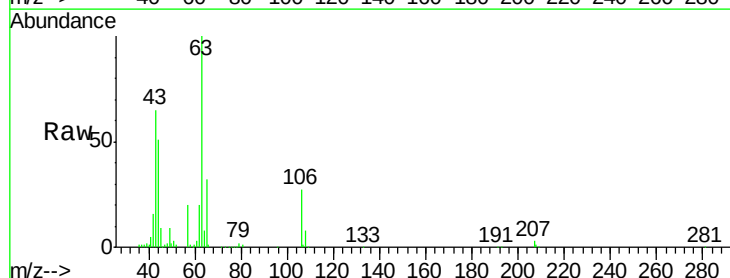
Manual Integrations
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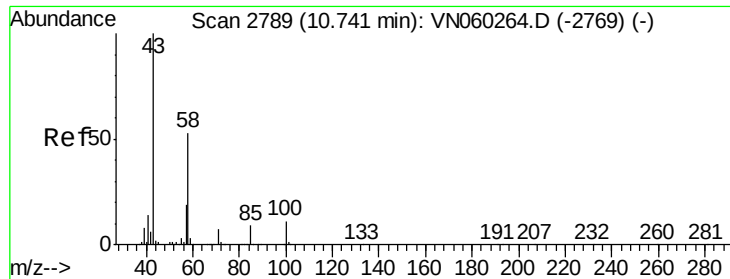
MMDadoda
 3/2/2020 11:00:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.194 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion: 63 Resp: 167801
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.1 31.7





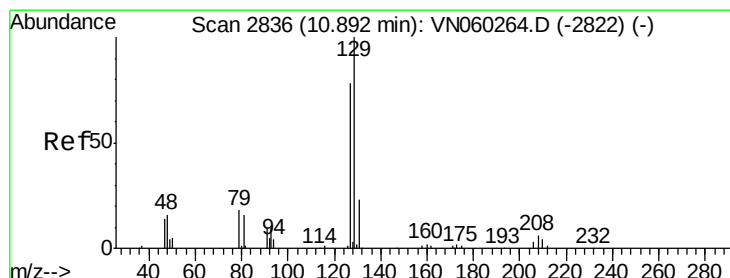
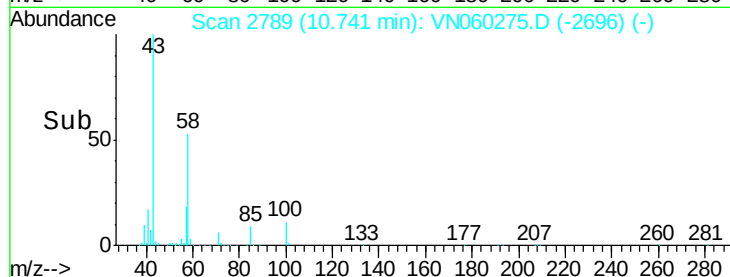
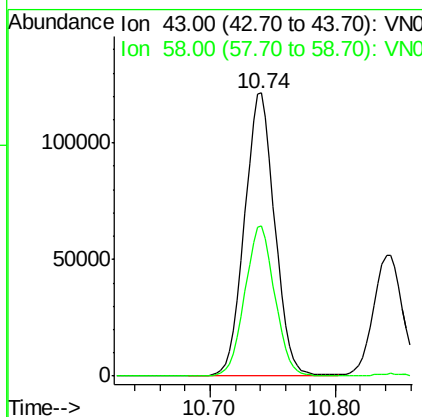
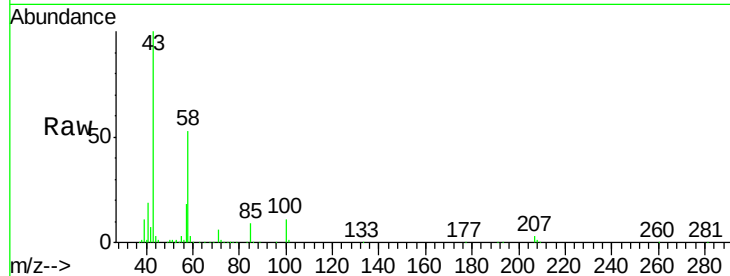
#59
2-Hexanone
Concen: 91.780 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion	43	Resp	204231
Ion Ratio	43	100	
Lower	58	52.5	26.5
Upper			79.5

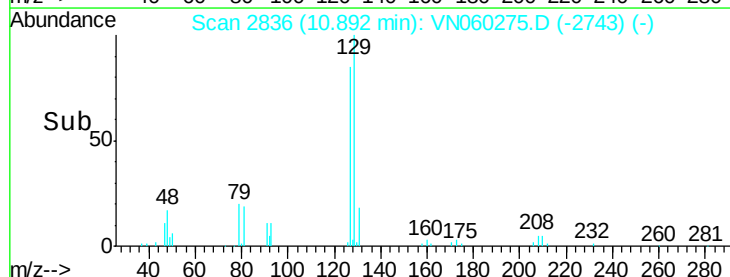
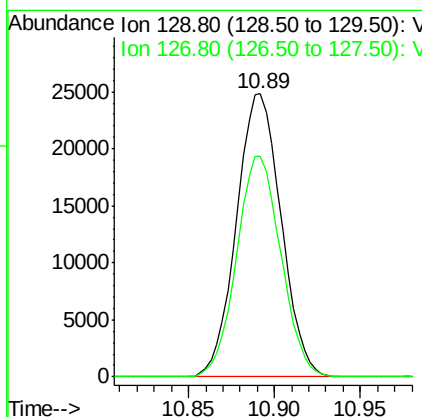
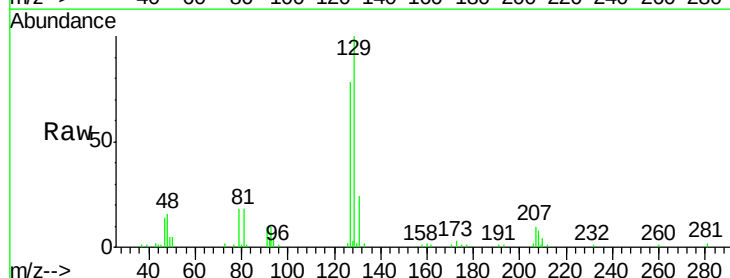
Manual Integrations
APPROVED

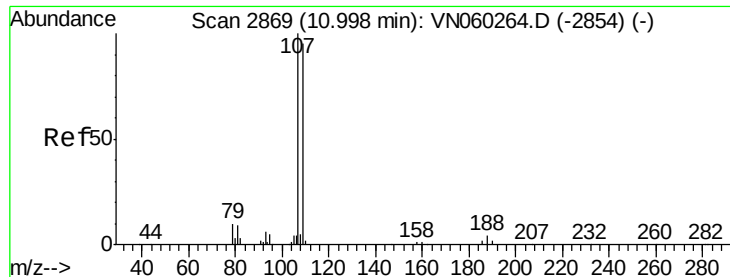
MMDadoda
3/2/2020 11:00:45 AM



#60
Dibromochloromethane
Concen: 18.630 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	129	Resp	44918
Ion Ratio	129	100	
Lower	127	77.2	38.9
Upper			116.7





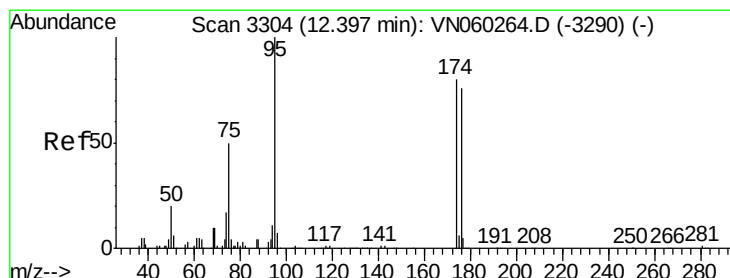
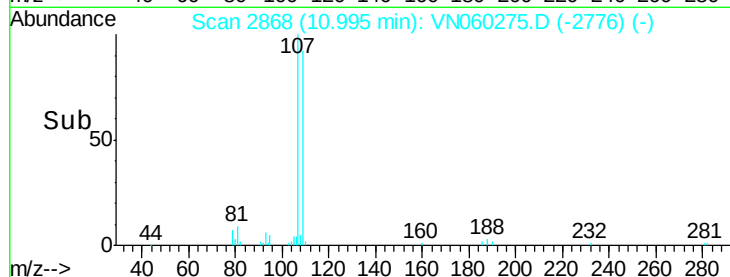
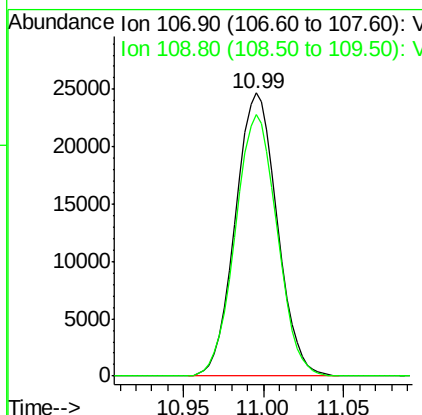
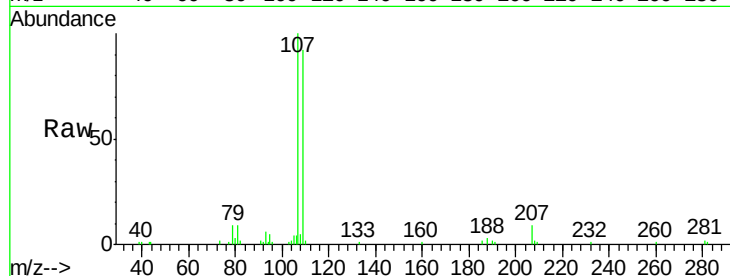
#61
 1,2-Dibromoethane
 Concen: 19.012 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.8	115.2

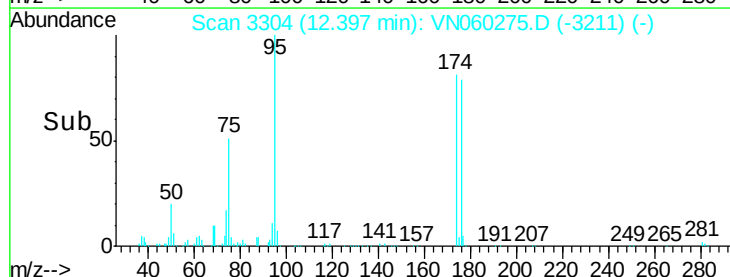
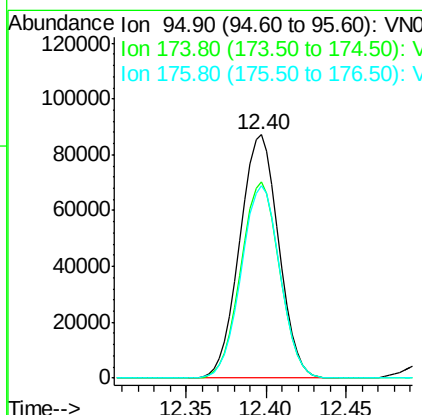
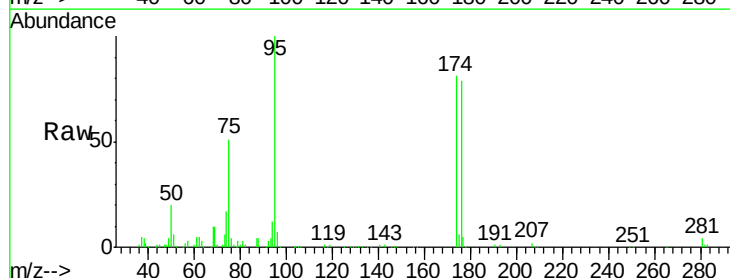
Manual Integrations
 APPROVED

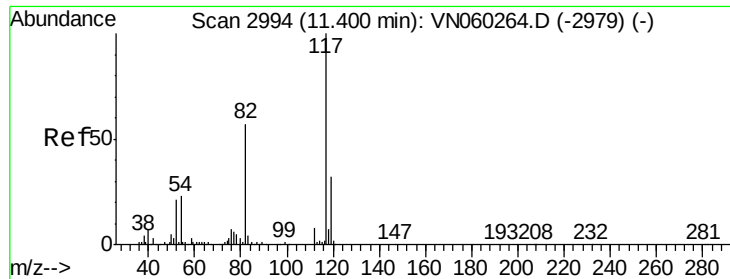
MMDadoda
 3/2/2020 11:00:45 AM



#62
 4-Bromofluorobenzene
 Concen: 47.984 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	159.2
176	78.7	0.0	153.8





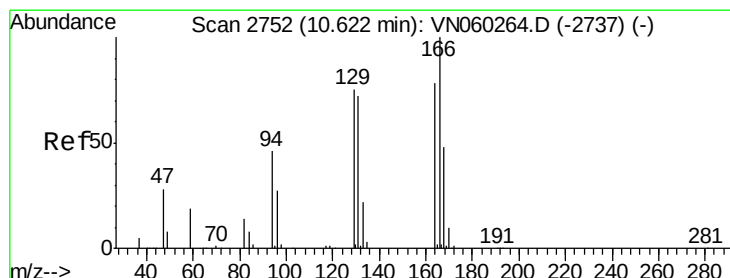
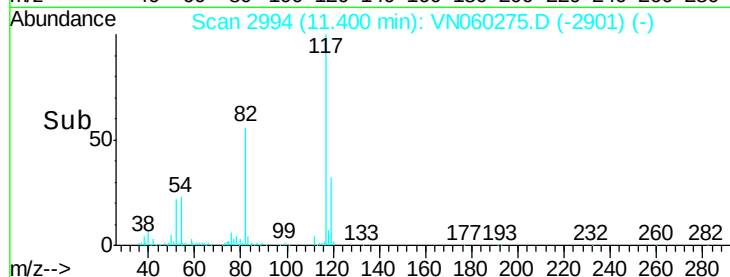
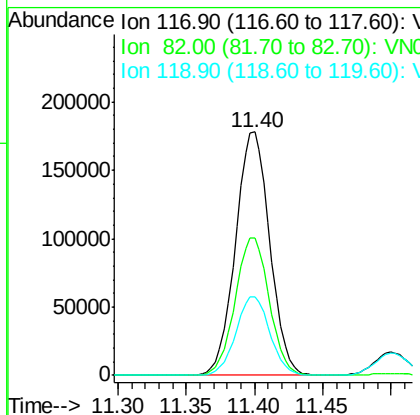
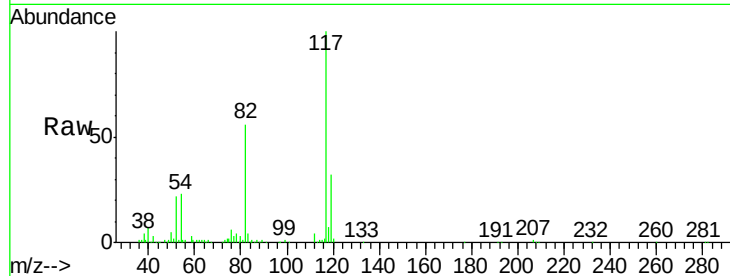
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310285		
82	56.5		45.8	68.6
119	32.4		25.8	38.8

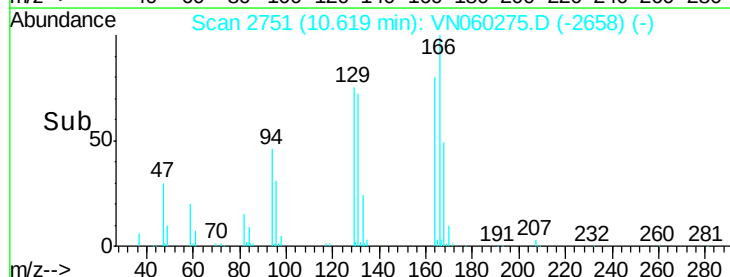
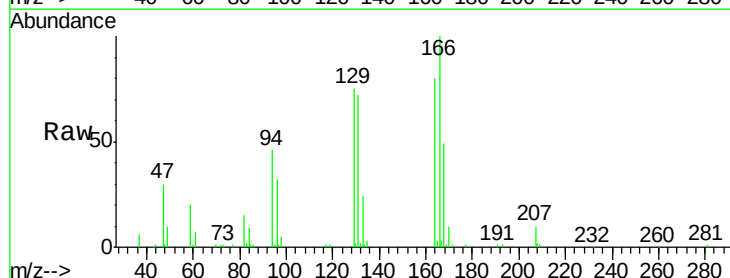
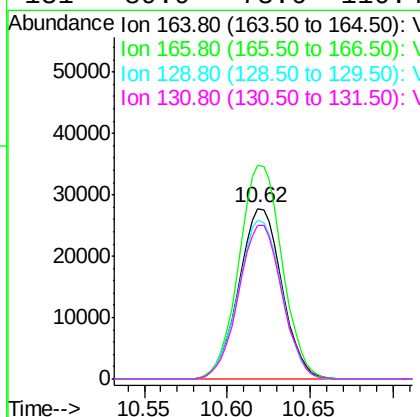
Manual Integrations
APPROVED

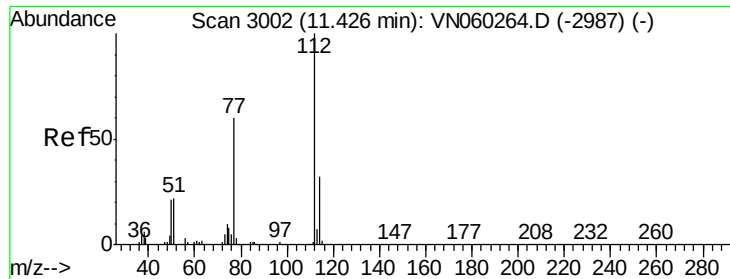
MMDadoda
3/2/2020 11:00:45 AM



#64
Tetrachloroethene
Concen: 19.657 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50119		
166	125.4		102.0	153.0
129	93.5		76.4	114.6
131	89.9		73.6	110.4





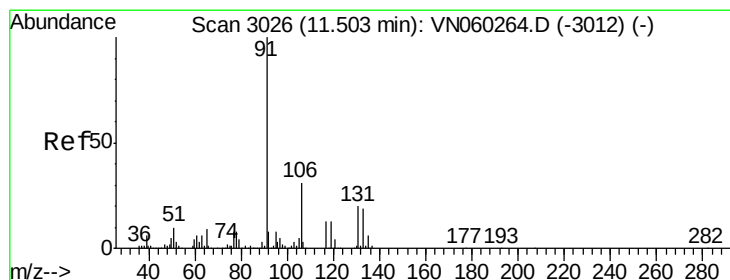
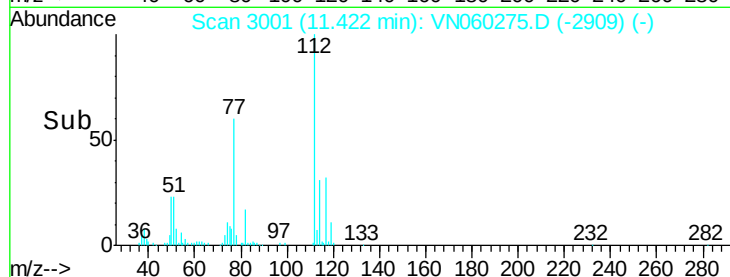
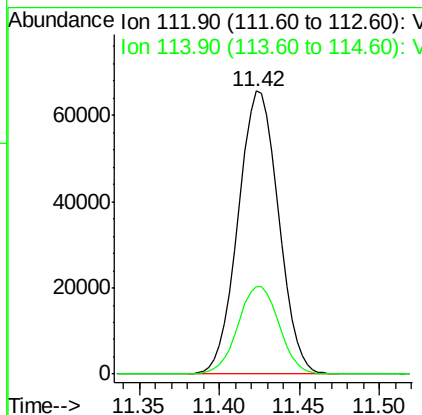
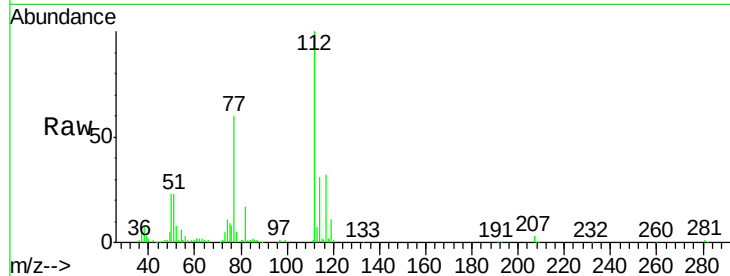
#65
Chlorobenzene
Concen: 18.096 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion:112 Resp: 113379
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0

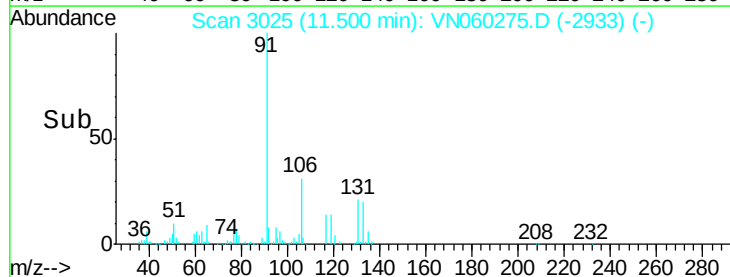
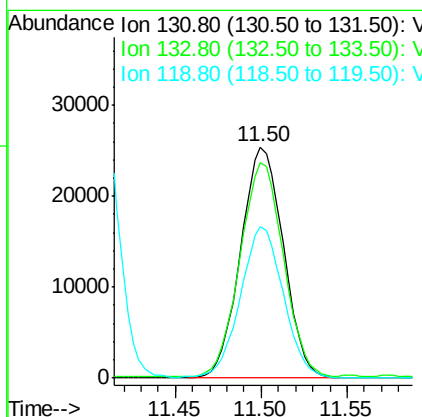
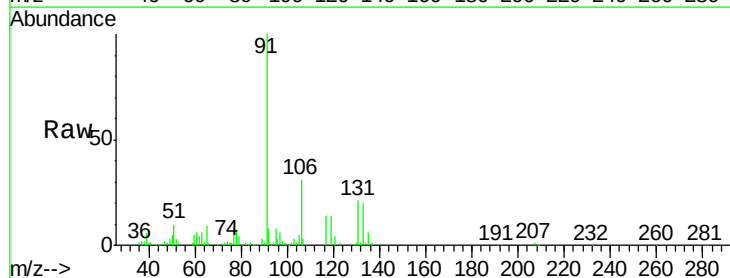
Manual Integrations
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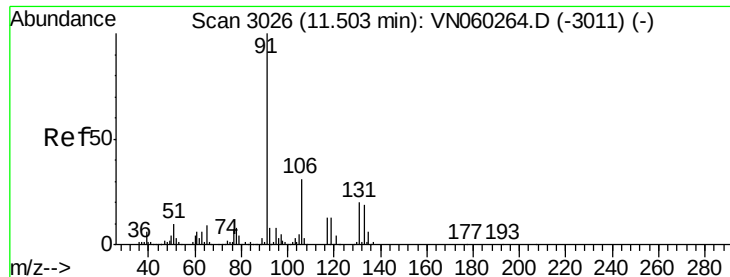
MMDadoda
3/2/2020 11:00:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.893 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion:131 Resp: 43769
Ion Ratio Lower Upper
131 100
133 93.9 47.7 143.1
119 65.9 33.2 99.6





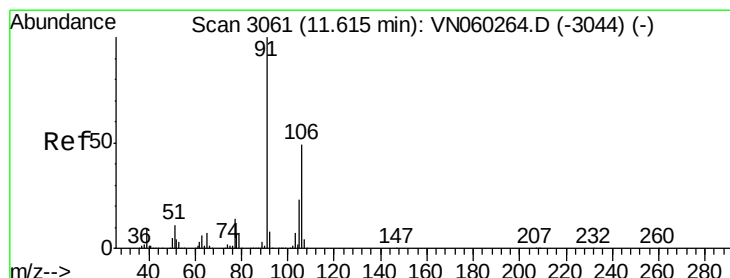
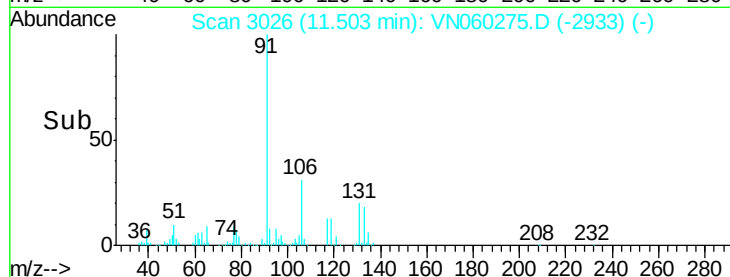
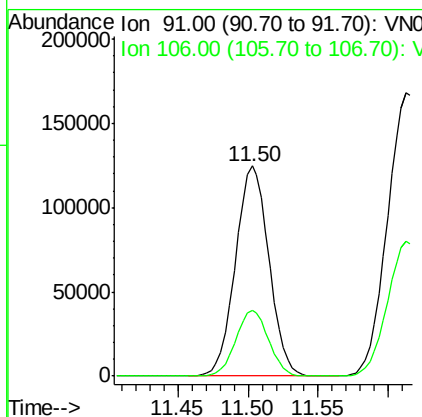
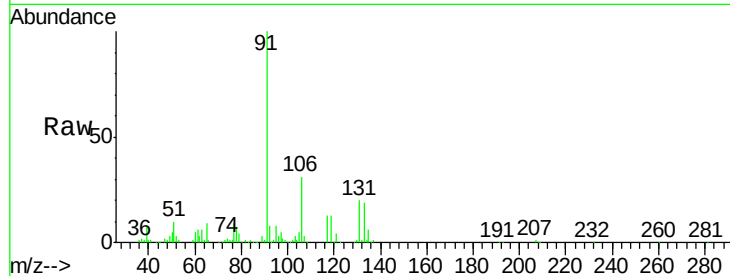
#67
Ethyl Benzene
Concen: 18.199 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion: 91 Resp: 207645
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

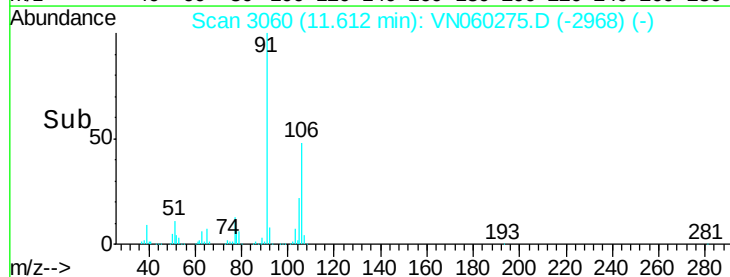
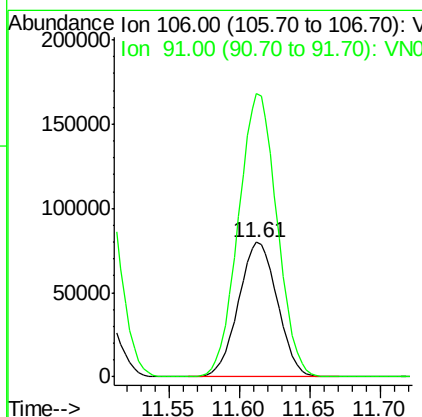
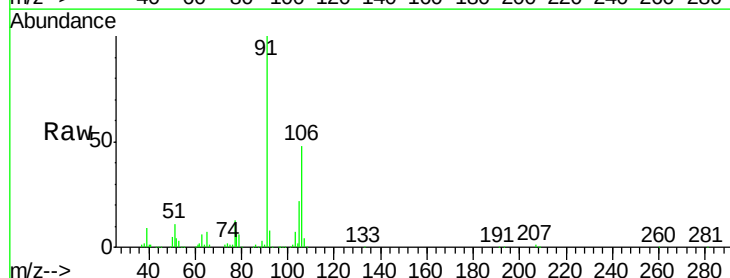
Manual Integrations
APPROVED

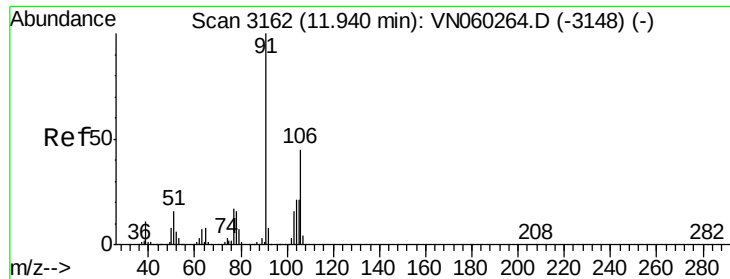
MMDadoda
3/2/2020 11:00:45 AM



#68
m/p-Xylenes
Concen: 35.848 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion: 106 Resp: 154322
Ion Ratio Lower Upper
106 100
91 208.5 164.5 246.7





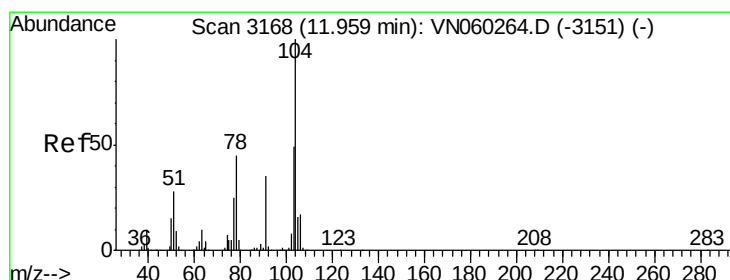
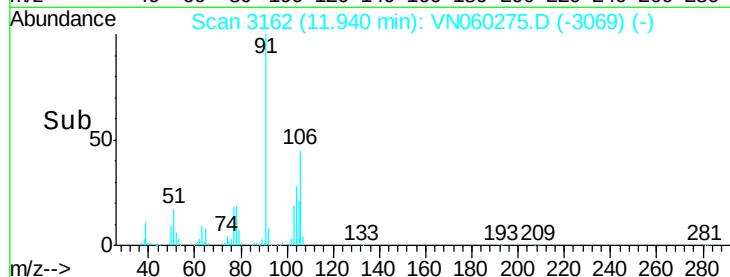
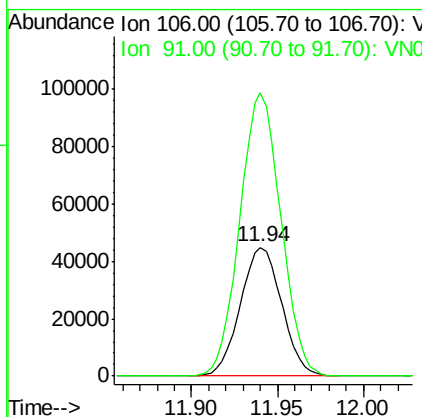
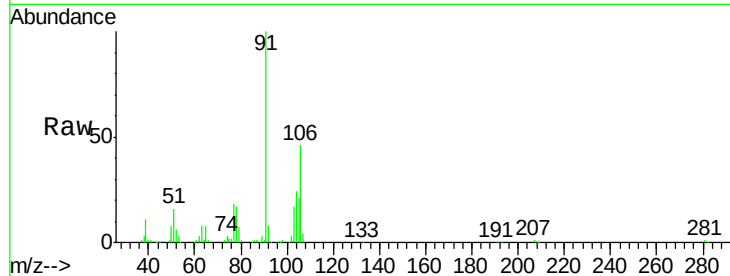
#69
o-Xylene
Concen: 18.252 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion:106 Resp: 74924
Ion Ratio Lower Upper
106 100
91 218.8 109.5 328.4

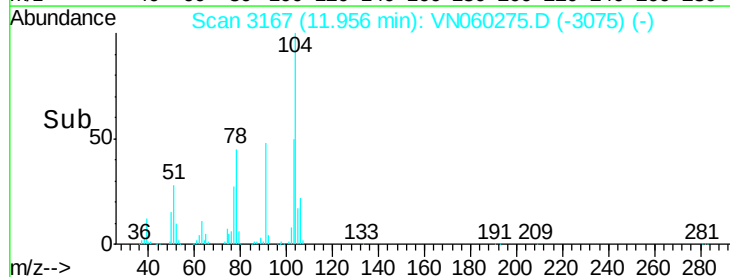
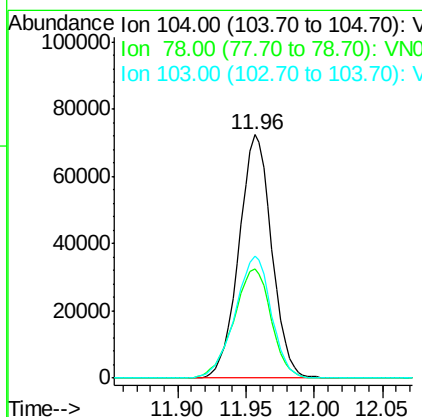
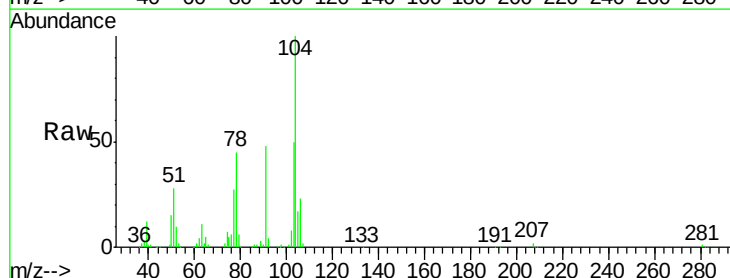
Manual Integrations
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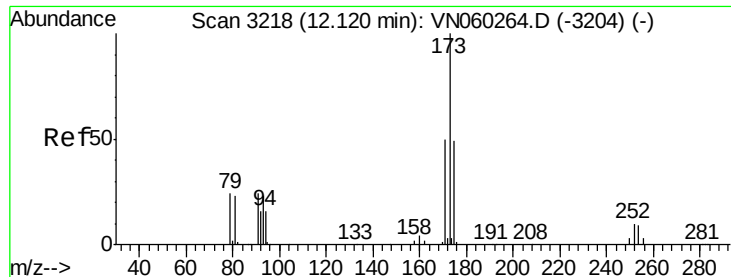
MMDadoda
3/2/2020 11:00:45 AM



#70
Styrene
Concen: 17.921 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion:104 Resp: 120950
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.218 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

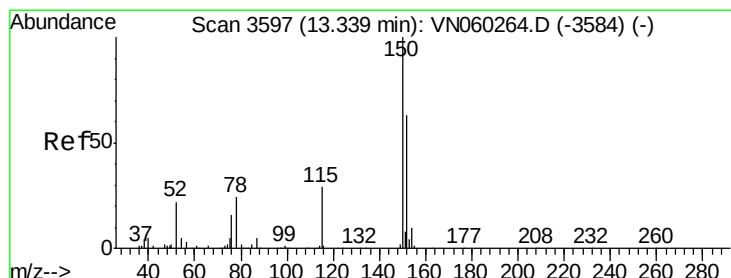
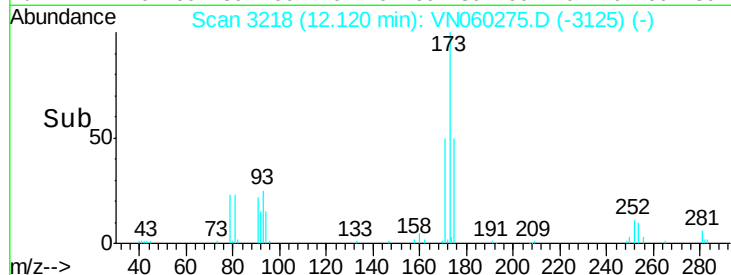
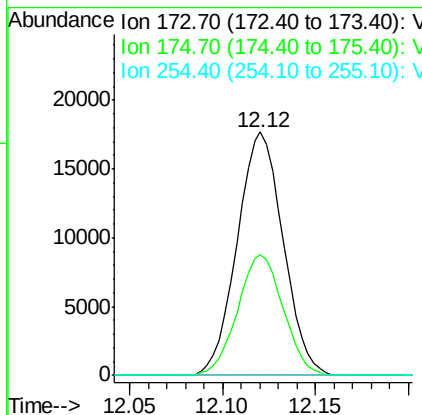
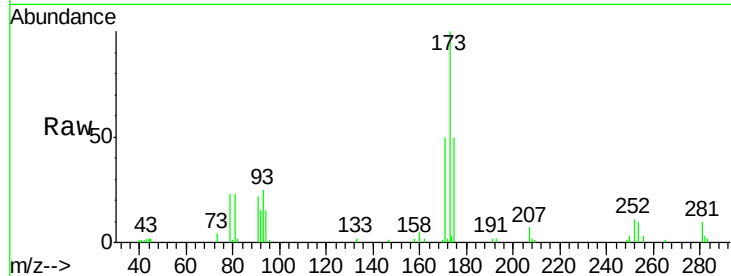
ClientSampleId :

VN0228WBSD01

Tot Ion:	173	Resp:	30417
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
3/2/2020 11:00:45 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

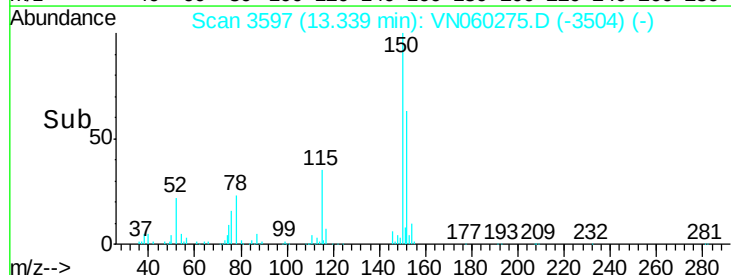
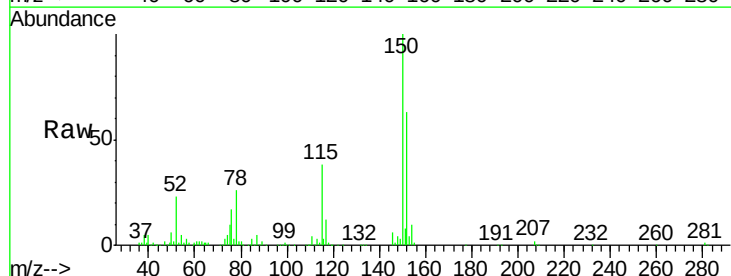
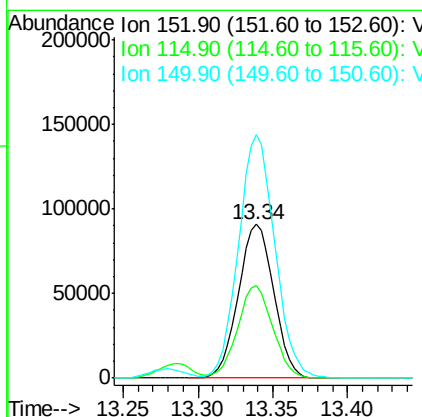
RT: 13.34 min Scan# 3597

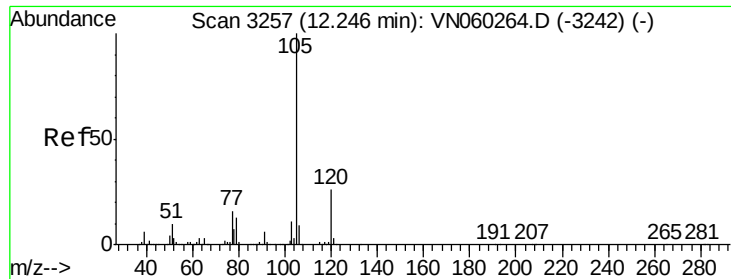
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	152	Resp:	150003
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.0	90.0
150	162.3	0.0	349.6





#73

Isopropylbenzene

Concen: 18.202 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

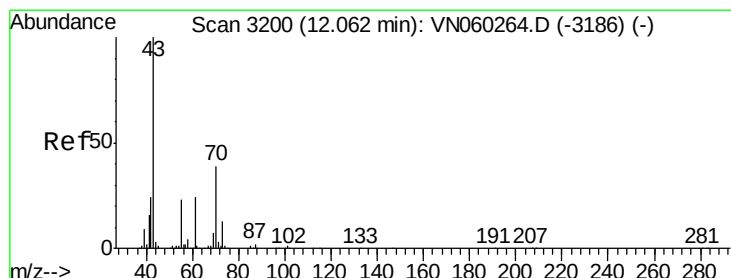
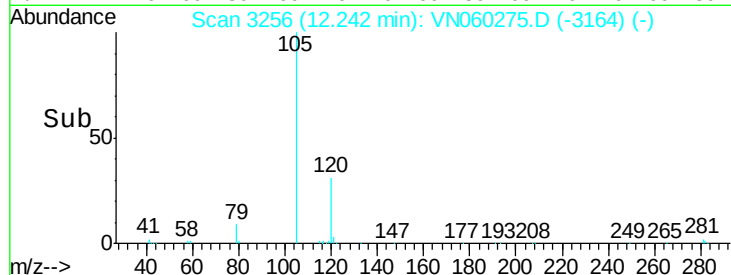
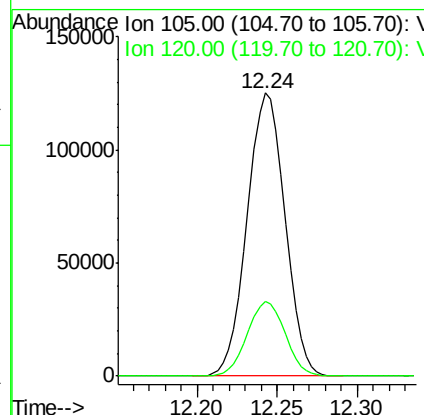
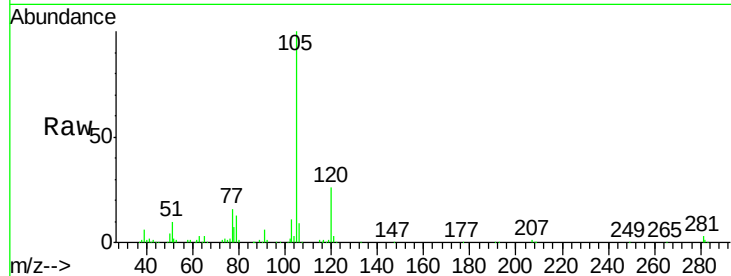
ClientSampleId :

VN0228WBSD01

Tot Ion:	105	Resp:	202366
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.0	38.9

Manual Integrations
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3/2/2020 11:00:45 AM



#74

N-ethyl acetate

Concen: 17.792 ug/l

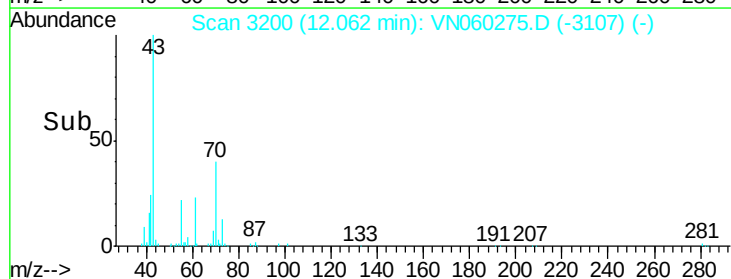
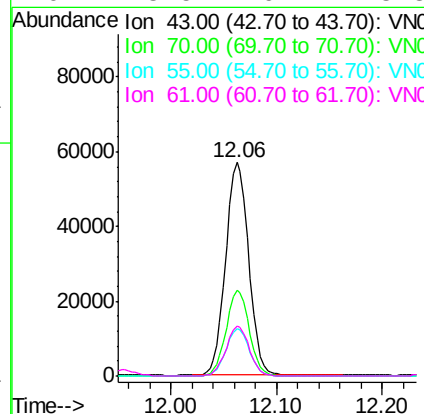
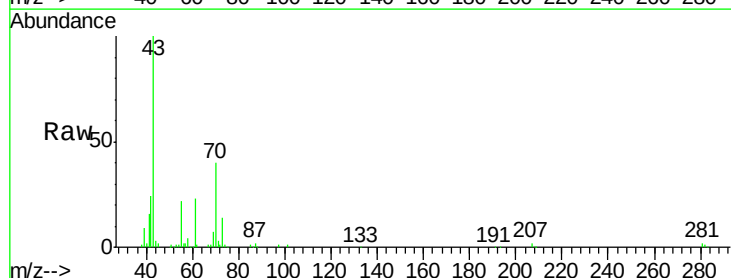
RT: 12.06 min Scan# 3200

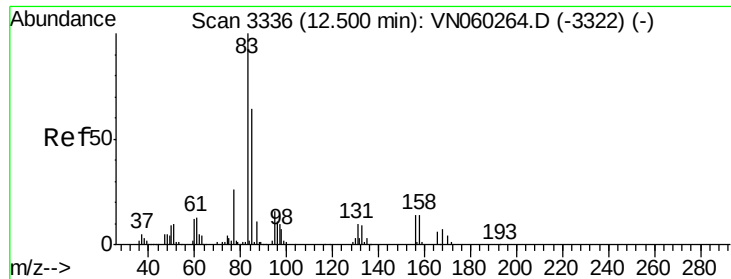
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	43	Resp:	86437
Ion Ratio	Lower	Upper	
43	100		
70	40.0	32.2	48.2
55	22.7	18.2	27.4
61	23.5	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.389 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

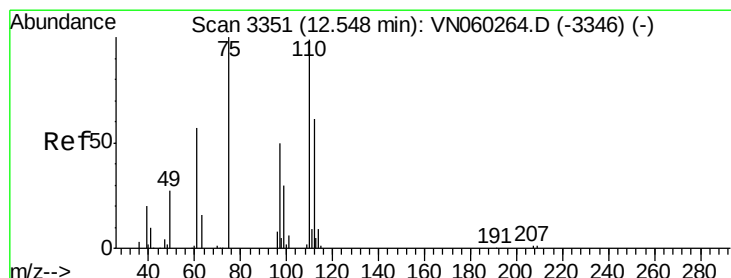
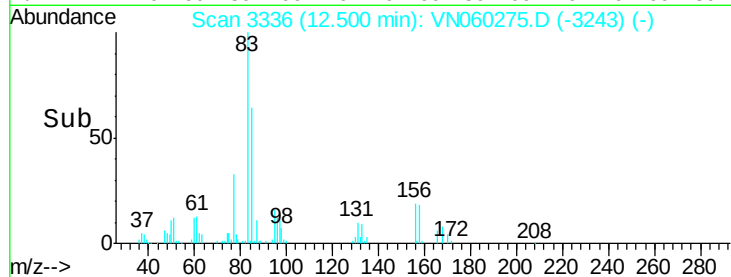
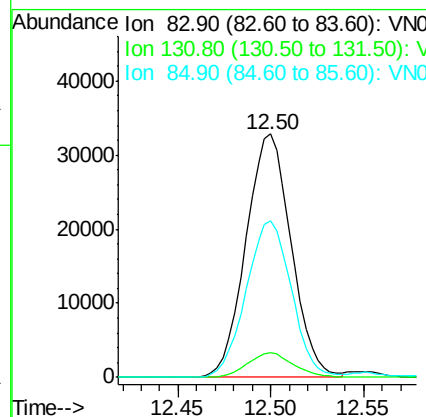
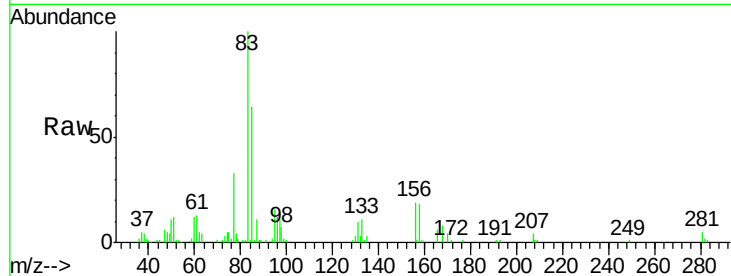
ClientSampleId :

VN0228WBSD01

Tot Ion:	83	Resp:	55575
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.3	32.3	96.8

Manual Integrations
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3/2/2020 11:00:45 AM



#76

1,2,3-Trichloropropane

Concen: 16.195 ug/l m

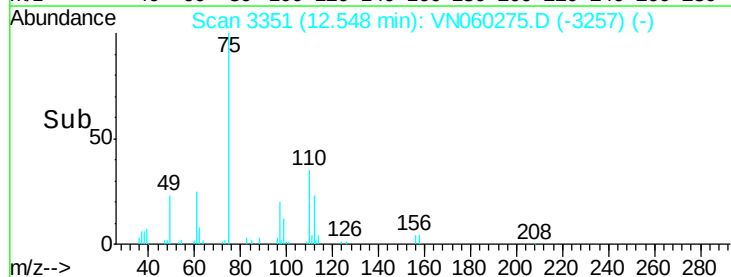
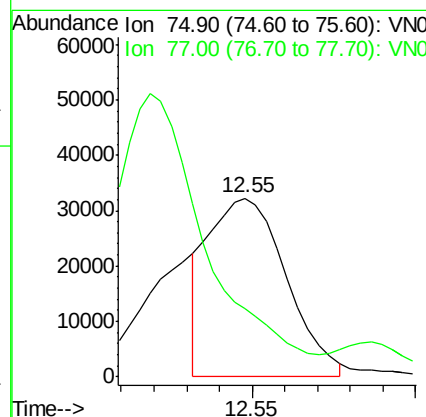
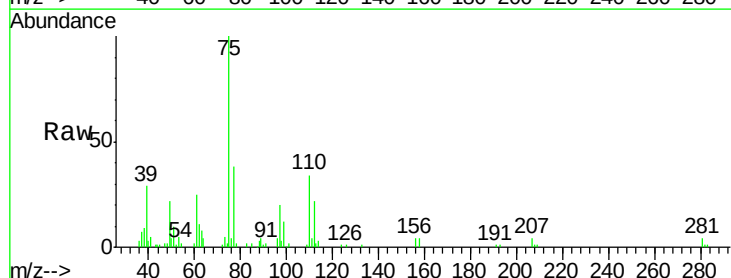
RT: 12.55 min Scan# 3351

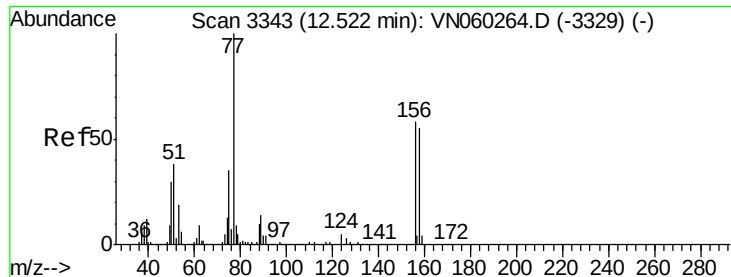
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	75	Resp:	53298
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.197 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

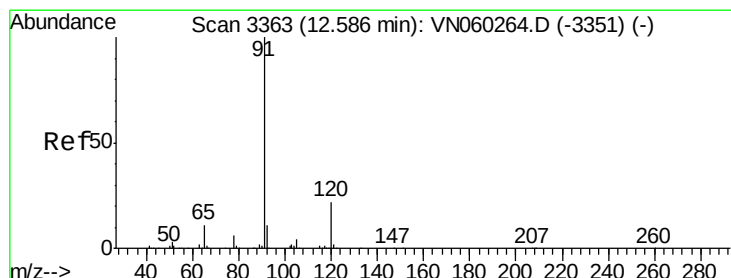
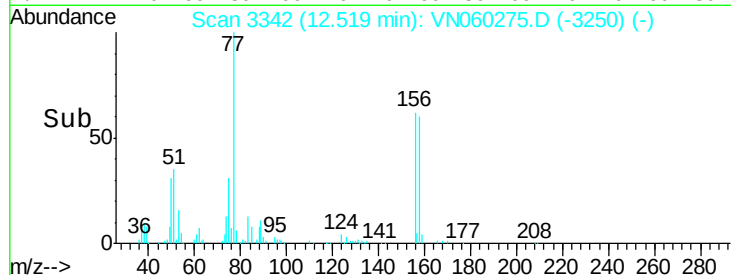
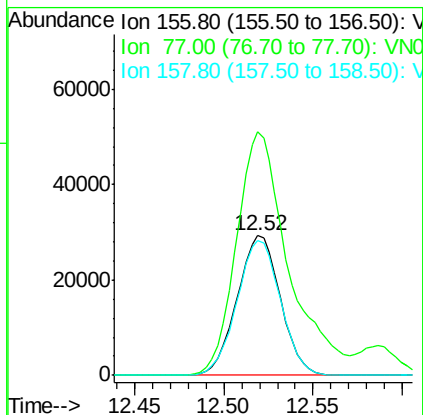
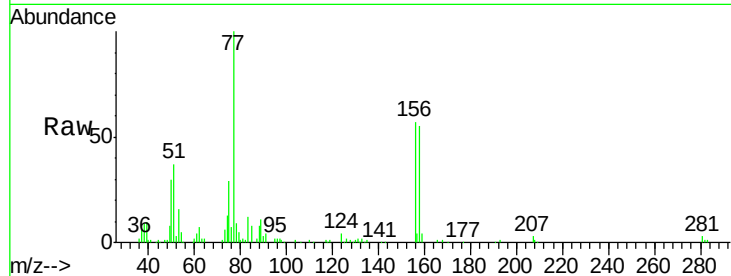
ClientSampled :

VN0228WBSD01

Tot Ion:	156	Resp:	49592
Ion Ratio	Lower	Upper	
156	100		
77	210.0	106.1	318.3
158	97.4	48.3	144.8

Manual Integrations
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MMDadoda
3/2/2020 11:00:45 AM



#78

n-propylbenzene

Concen: 18.136 ug/l

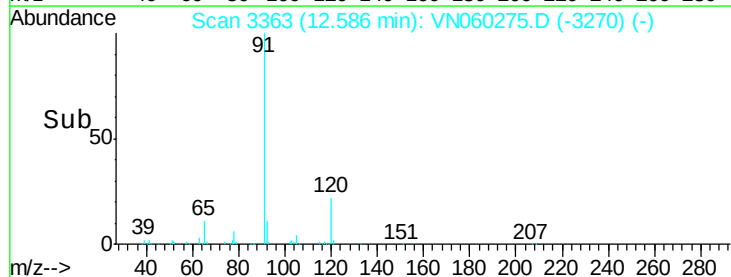
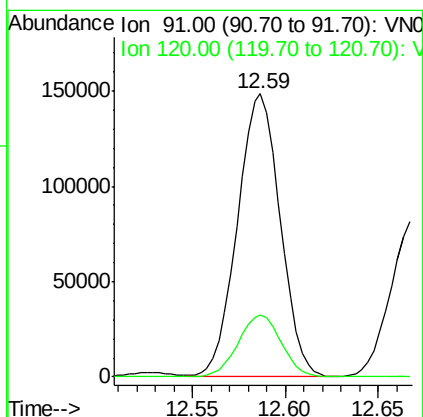
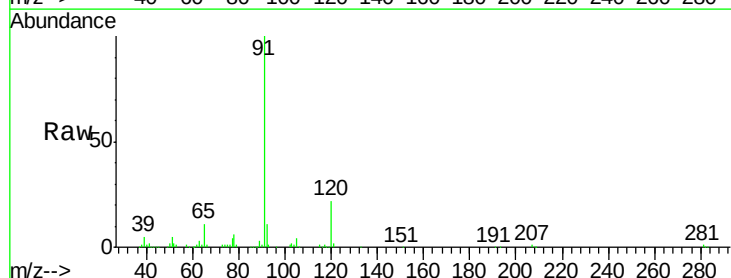
RT: 12.59 min Scan# 3363

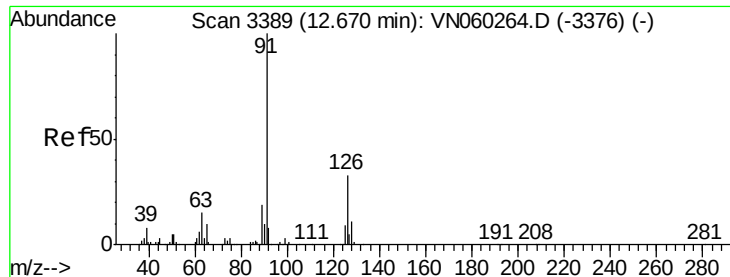
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	91	Resp:	236356
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.050 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBSD01

Tot Ion: 91 Resp: 138274

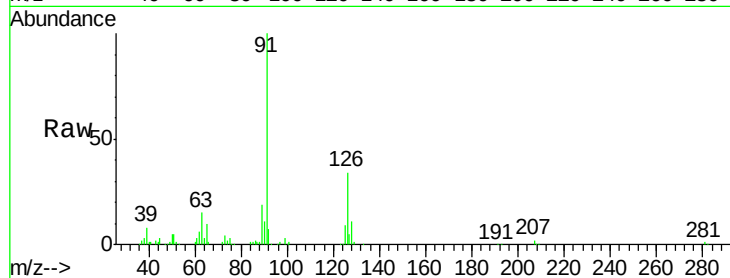
Ion Ratio Lower Upper

91 100

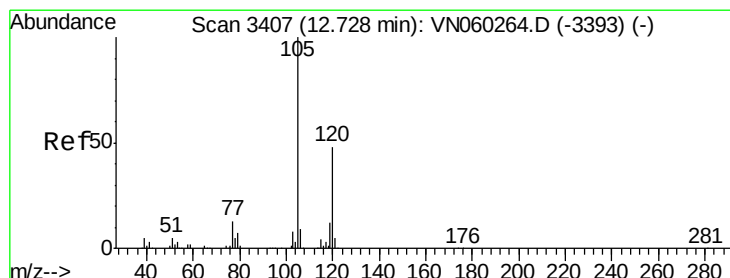
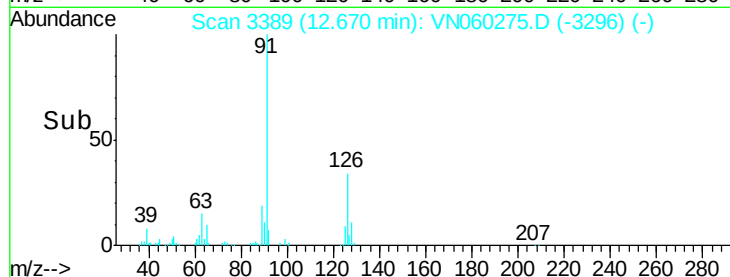
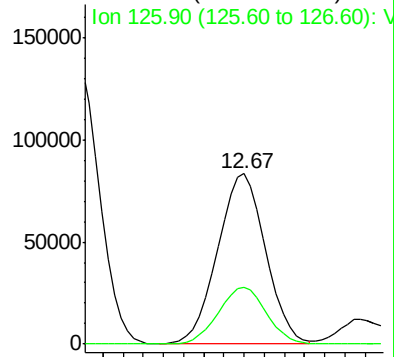
126 33.6 16.6 49.8

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.231 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060275.D

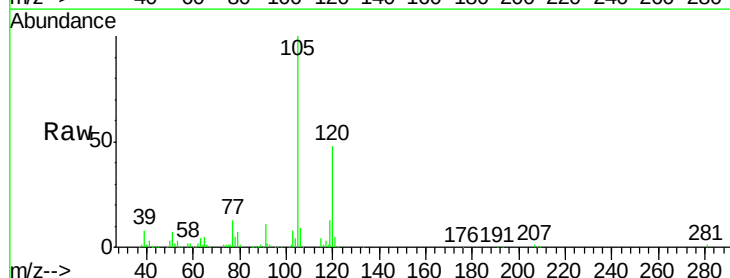
Acq: 28 Feb 2020 11:40

Tgt Ion: 105 Resp: 170659

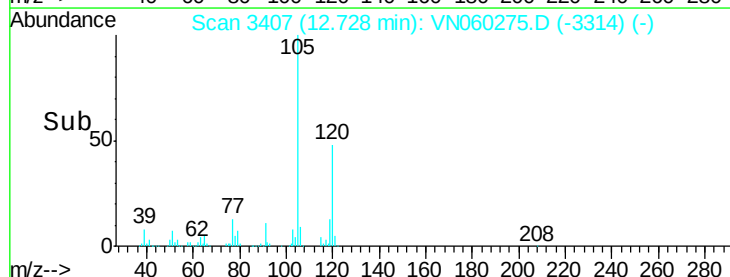
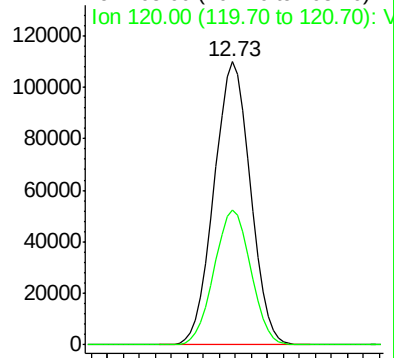
Ion Ratio Lower Upper

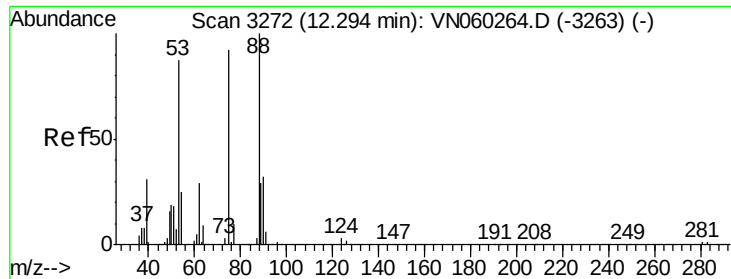
105 100

120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)





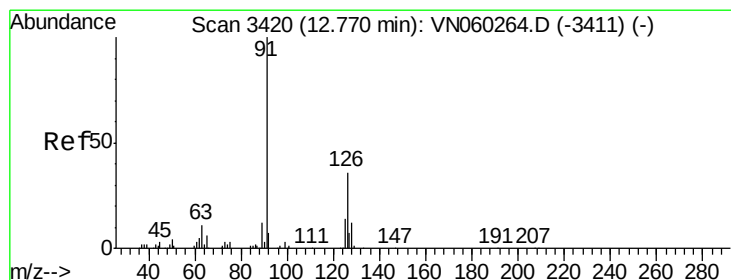
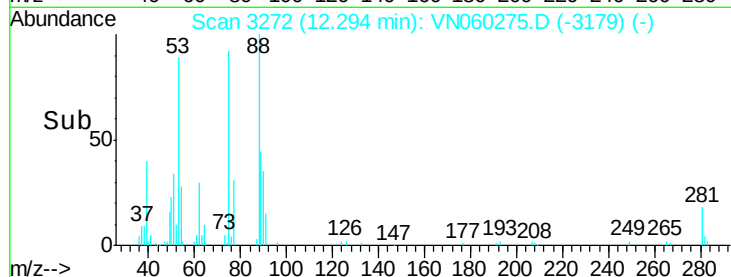
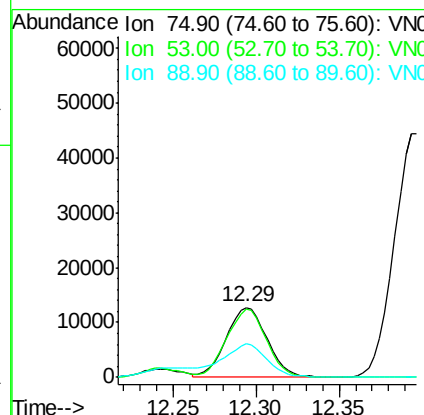
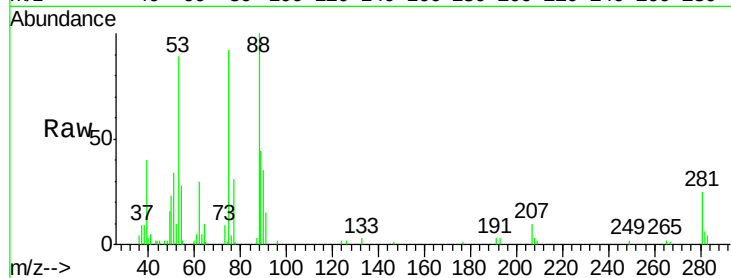
#81
trans-1,4-Dichloro-2-butene
Concen: 18.360 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	73.8	110.6
89	52.0	57.1	85.7#

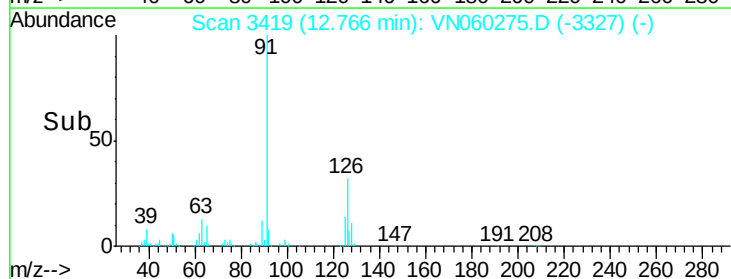
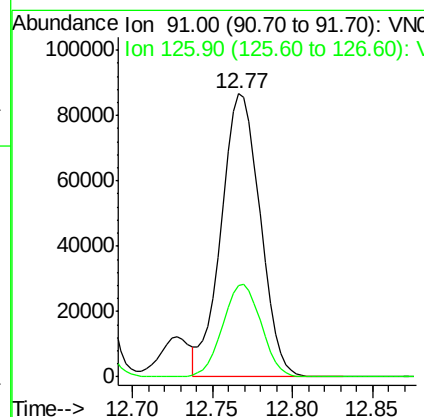
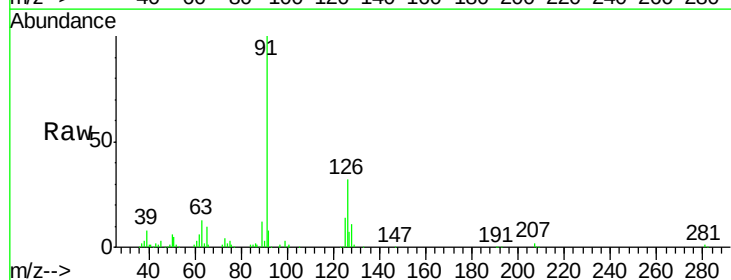
Manual Integrations
APPROVED

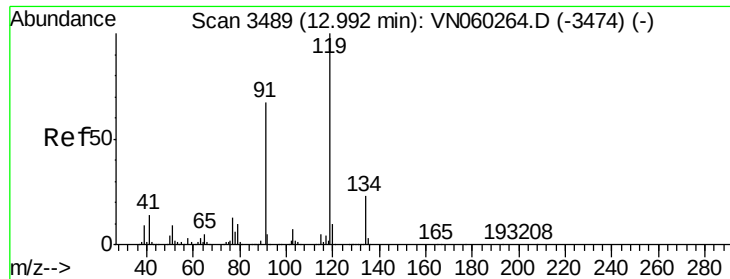
MMDadoda
3/2/2020 11:00:45 AM



#82
4-Chlorotoluene
Concen: 17.954 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





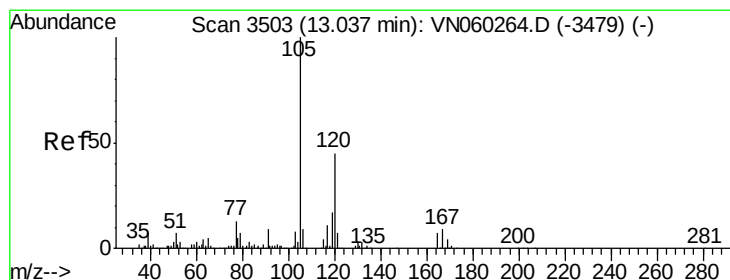
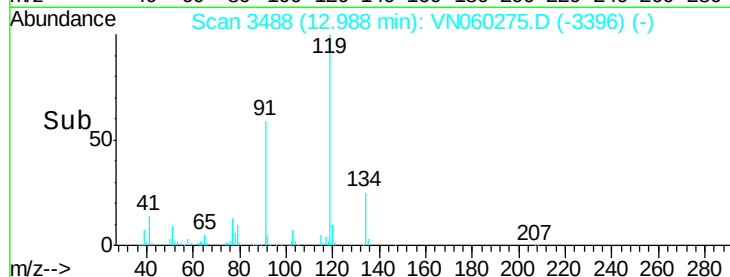
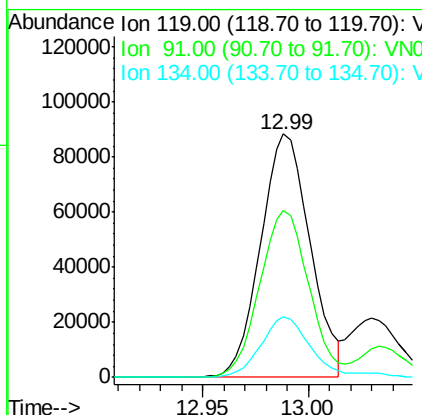
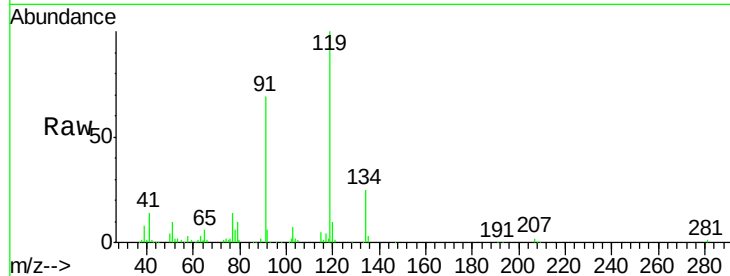
#83
 tert-Butylbenzene
 Concen: 17.810 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.1	99.2
134	24.4	12.4	37.0

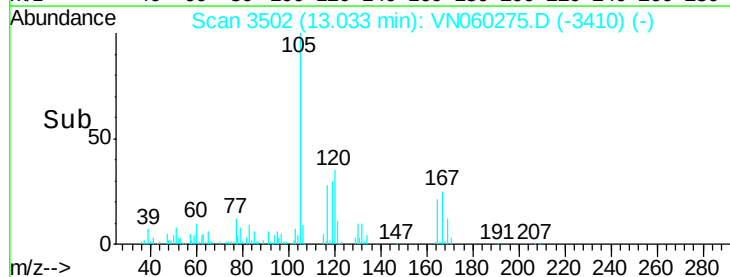
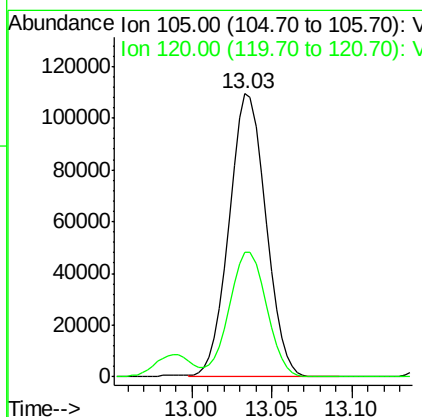
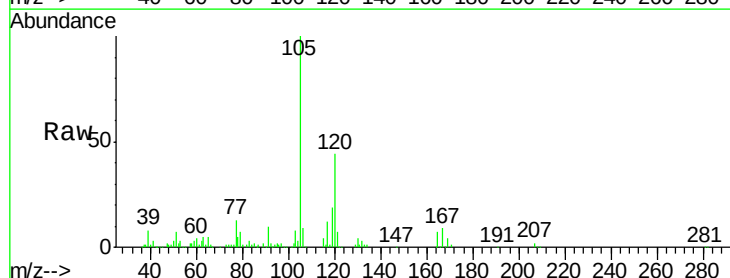
Manual Integrations
 APPROVED

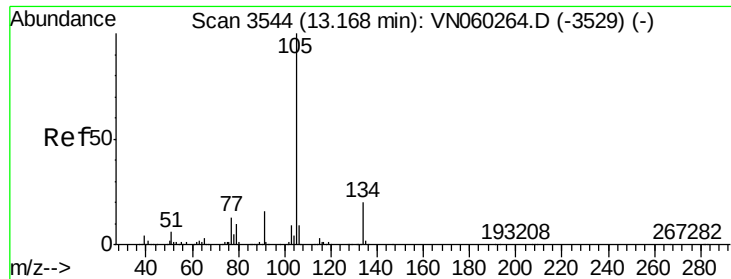
MMDadoda
 3/2/2020 11:00:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.168 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9





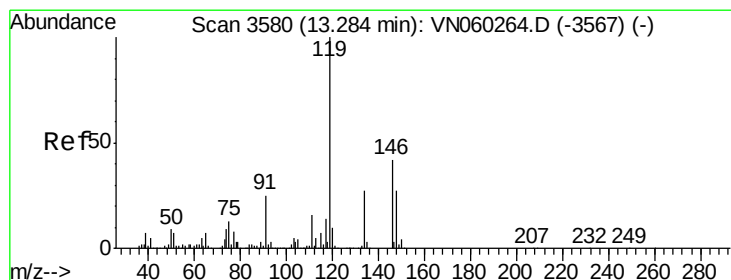
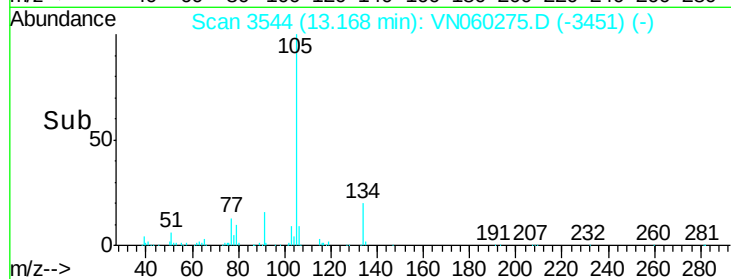
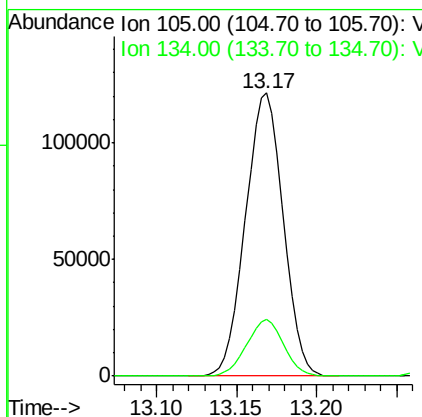
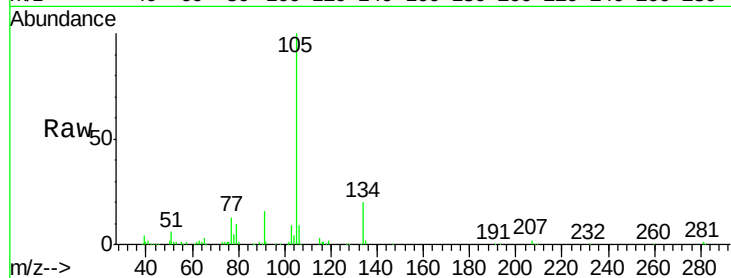
#85
 sec-Butylbenzene
 Concen: 18.060 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196007		
134	19.8	9.8	29.5	

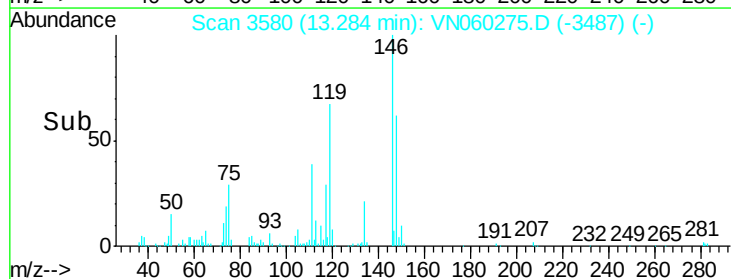
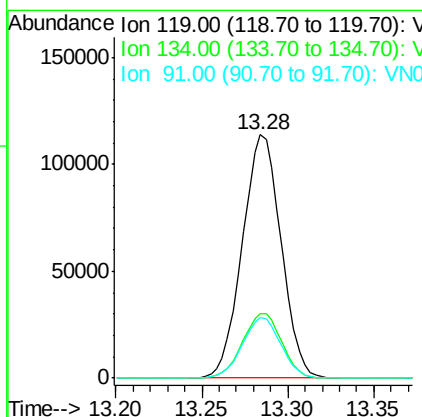
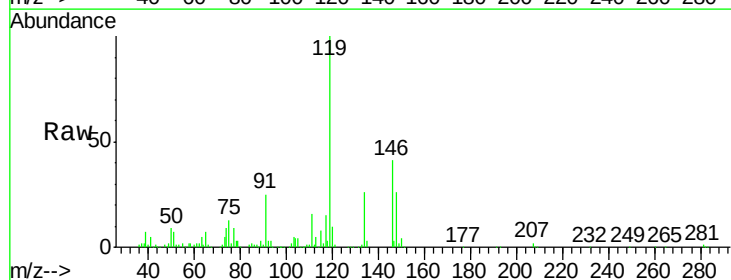
Manual Integrations
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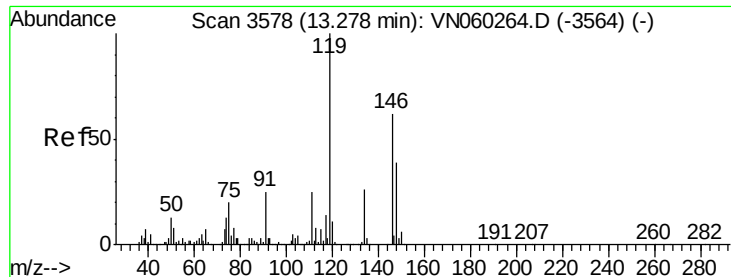
MMDadoda
 3/2/2020 11:00:45 AM



#86
 p-Isopropyltoluene
 Concen: 17.630 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177100		
134	26.9	13.2	39.6	
91	24.6	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 19.139 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060275.D

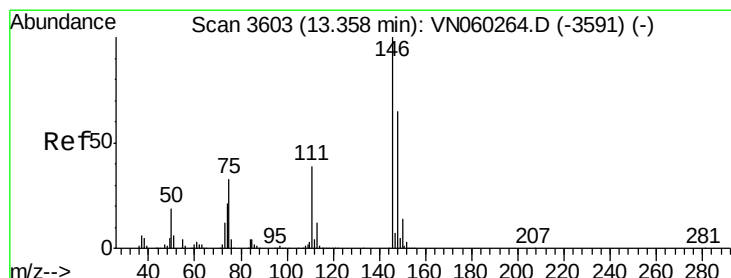
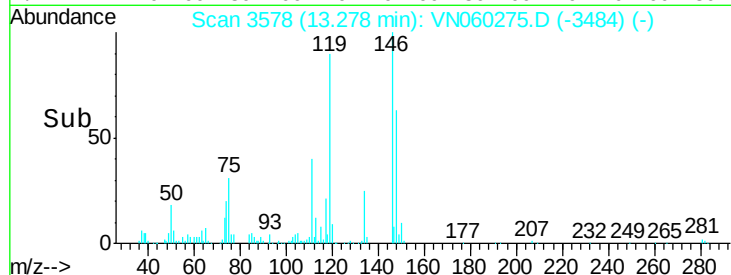
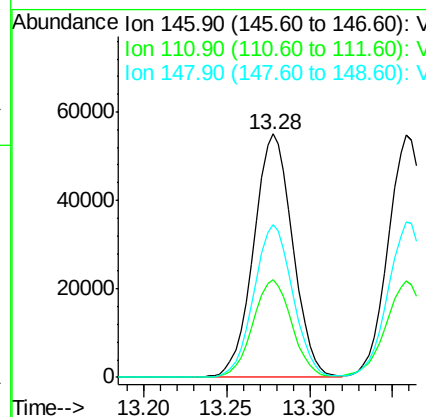
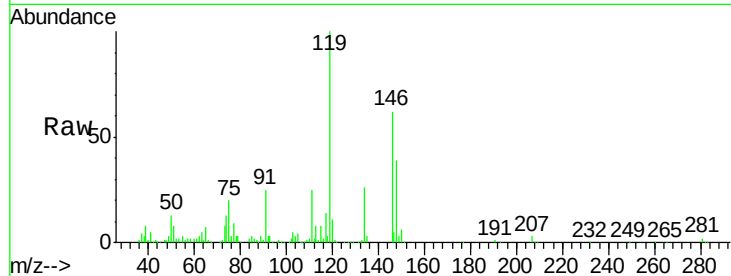
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	62.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:45 AM



#88

1,4-Dichlorobenzene

Concen: 18.732 ug/l

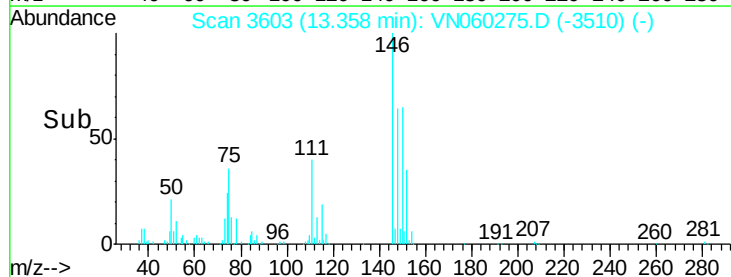
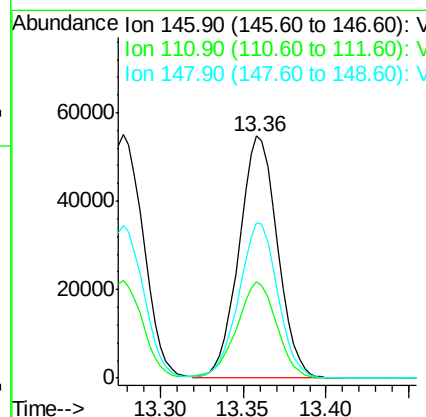
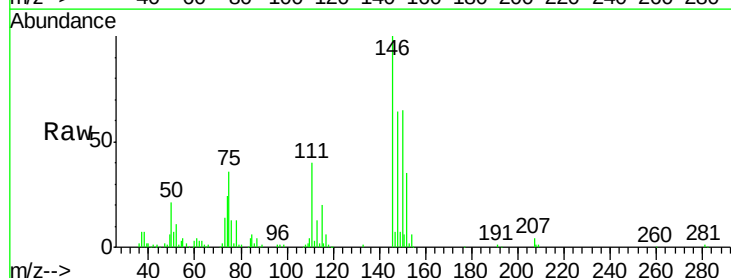
RT: 13.36 min Scan# 3603

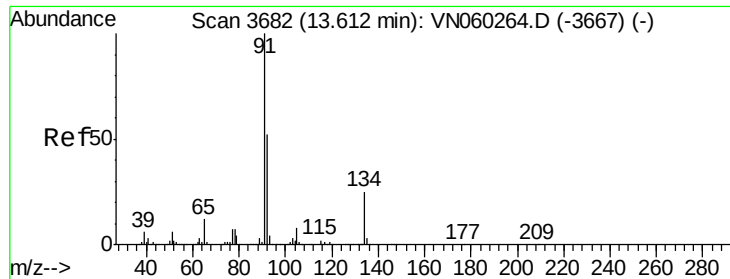
Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.8	59.4
148	64.7	32.3	96.9





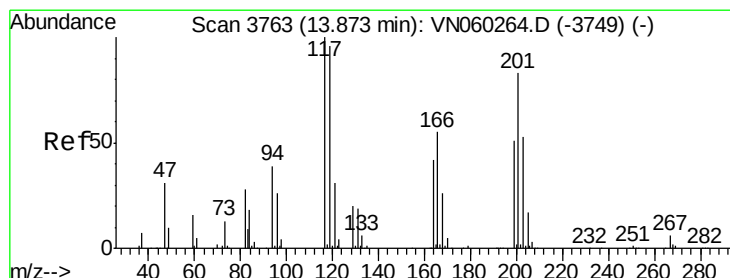
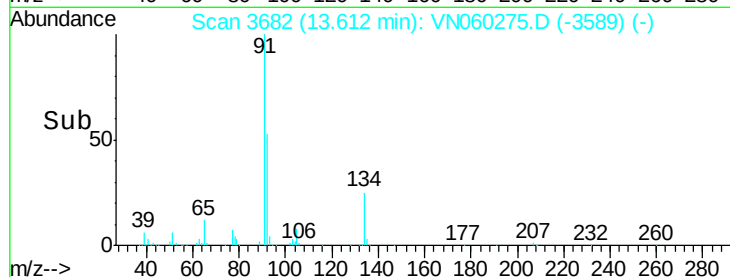
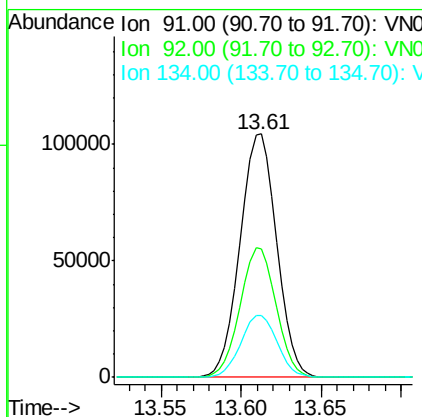
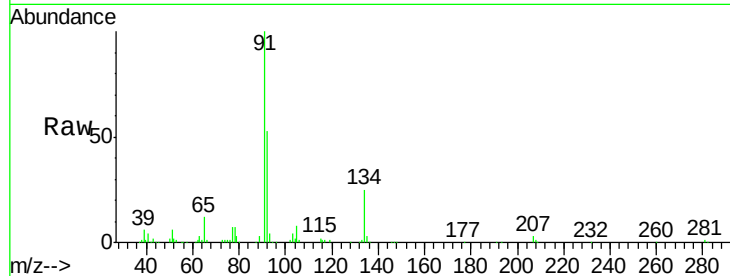
#89
n-Butylbenzene
Concen: 17.669 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0228WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	25.5	12.7	38.1

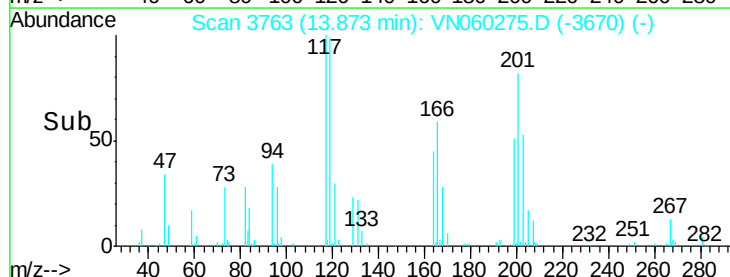
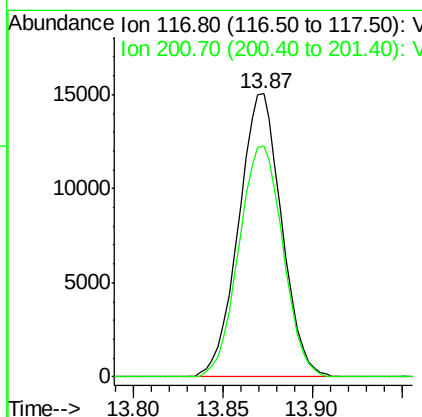
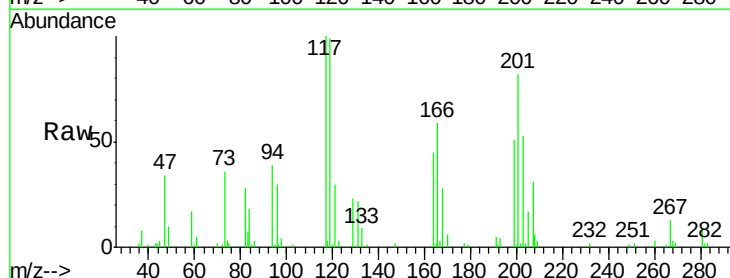
Manual Integrations
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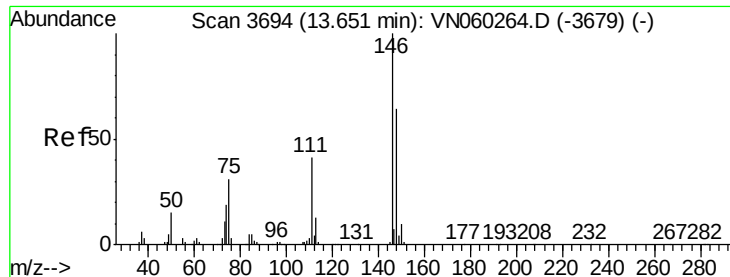
MMDadoda
3/2/2020 11:00:45 AM



#90
Hexachloroethane
Concen: 17.424 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 17.610 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Instrument :

MSVOA_N

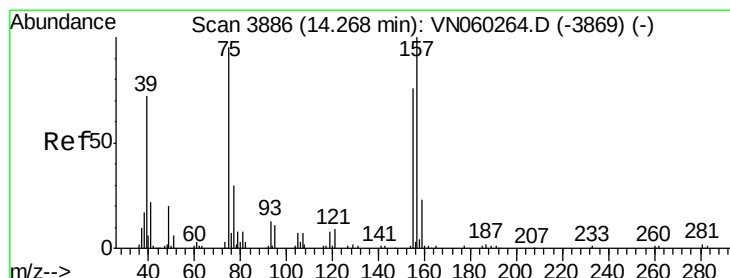
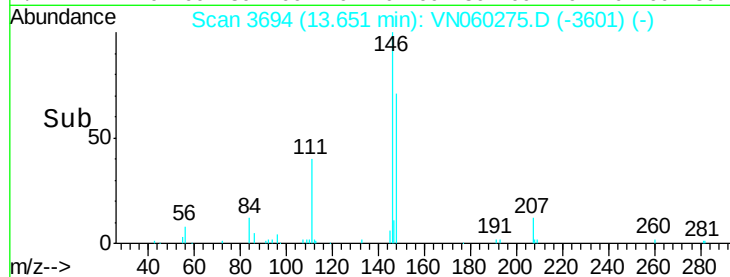
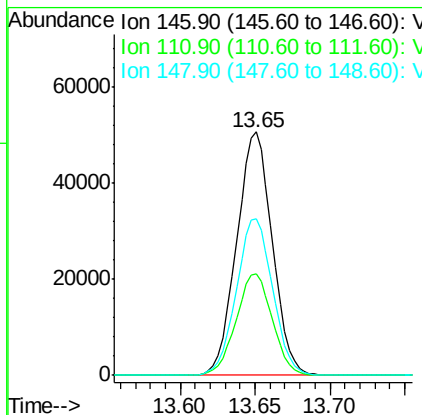
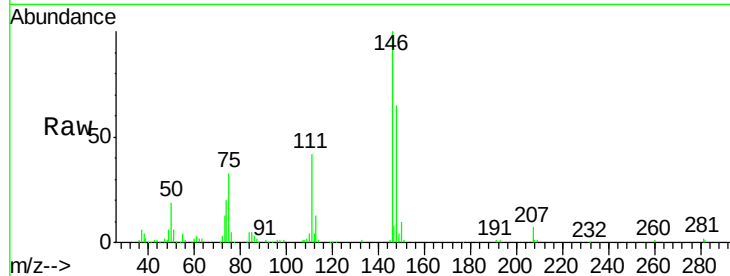
ClientSampled :

VN0228WBSD01

Tot Ion:	146	Resp:	84095
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.3	61.0
148	65.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.692 ug/l

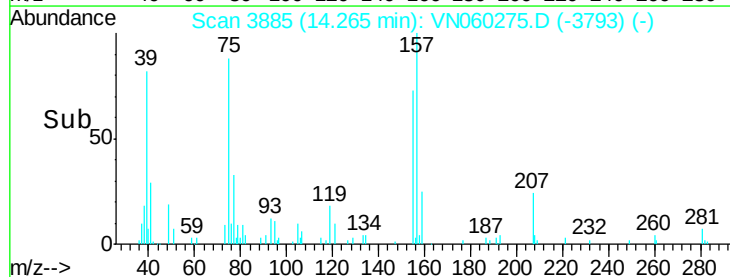
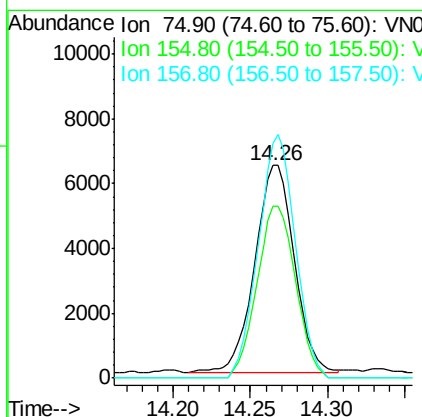
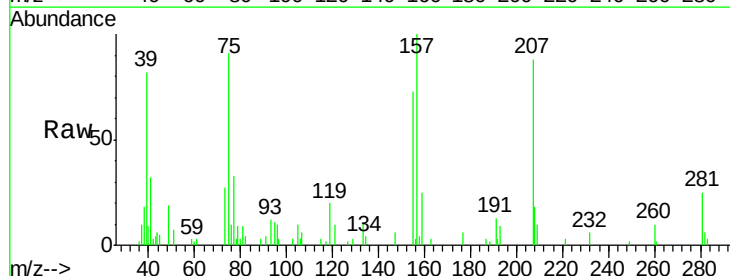
RT: 14.26 min Scan# 3885

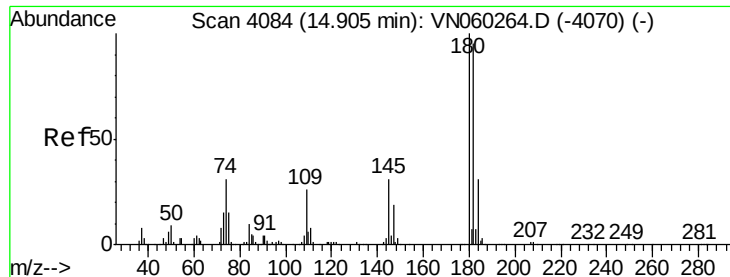
Delta R.T. -0.00 min

Lab File: VN060275.D

Acq: 28 Feb 2020 11:40

Tgt Ion:	75	Resp:	11424
Ion Ratio	Lower	Upper	
75	100		
155	80.3	40.4	121.2
157	108.8	52.5	157.5





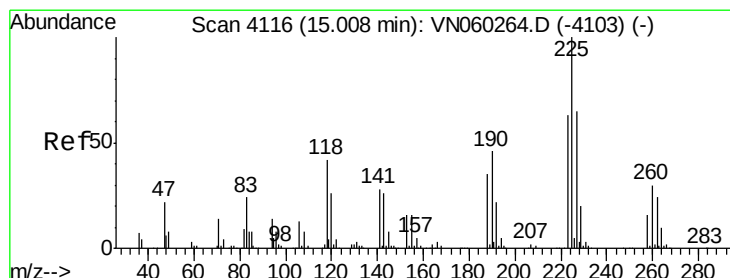
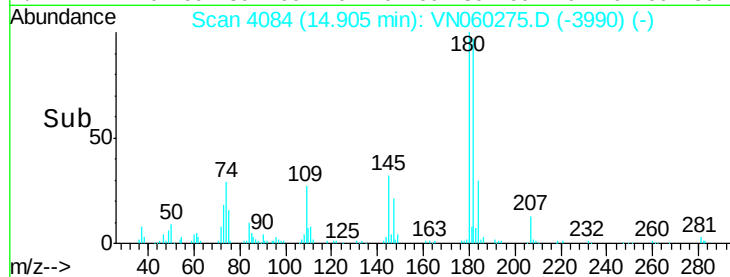
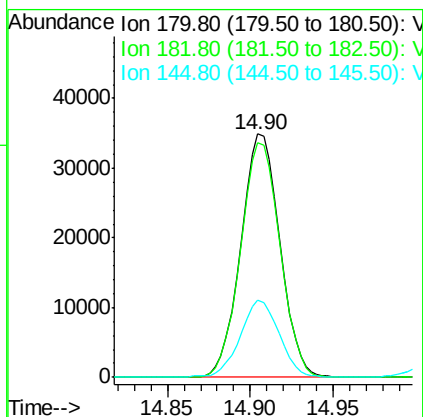
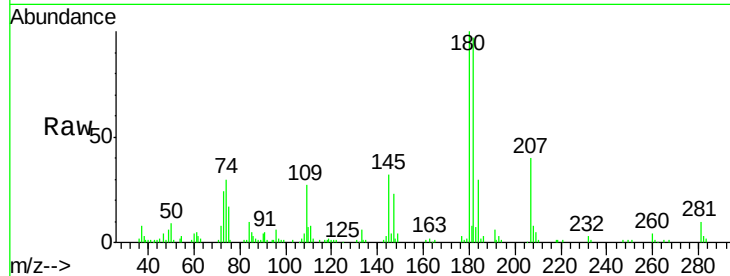
#93
 1,2,4-Trichlorobenzene
 Concen: 18.894 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57164		
182	97.3	47.8	143.3	
145	31.7	15.4	46.1	

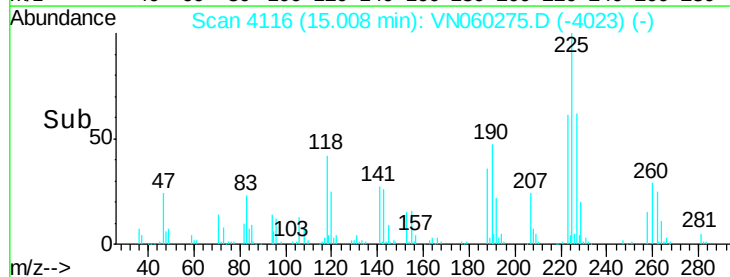
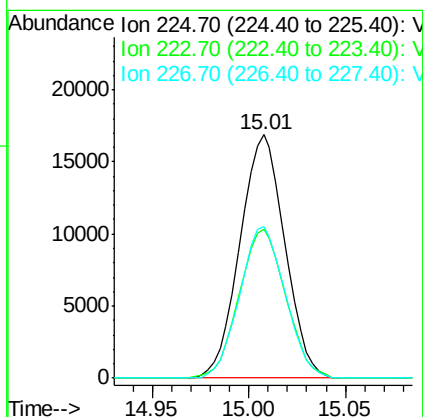
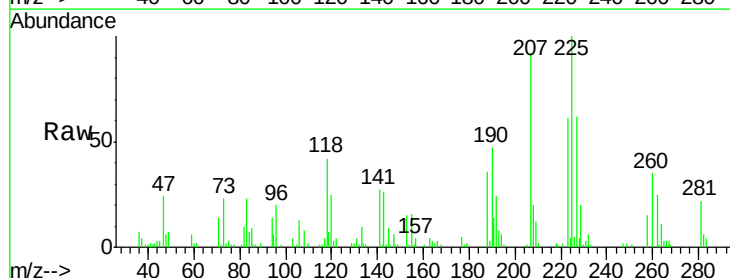
Manual Integrations
 APPROVED

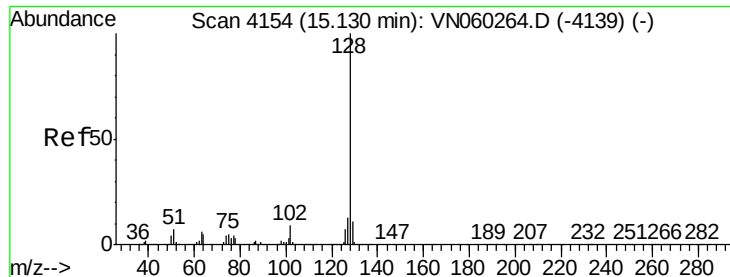
MMDadoda
 3/2/2020 11:00:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.182 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060275.D
 Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27248		
223	63.5	31.3	93.9	
227	63.1	32.3	96.9	





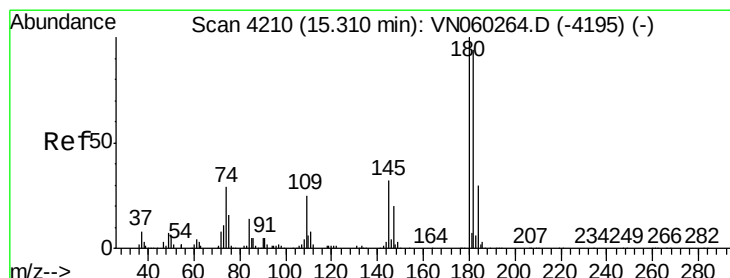
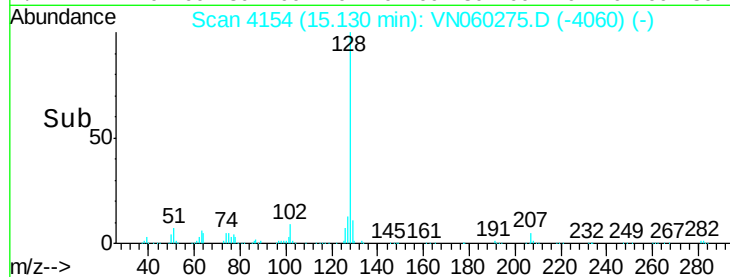
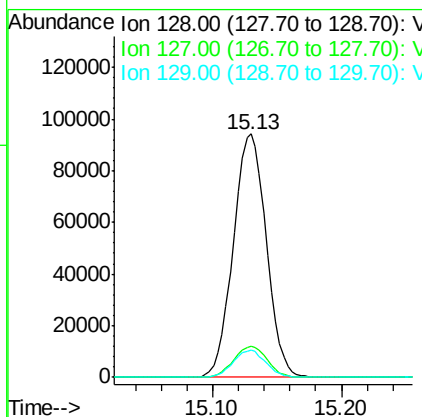
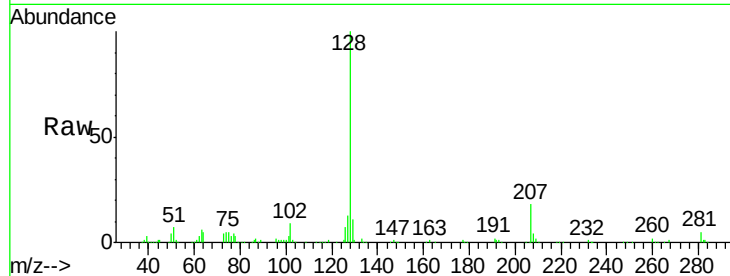
#95
Naphthalene
Concen: 18.557 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167386		
127	13.0		10.4	15.6
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.942 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060275.D
Acq: 28 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54454		
182	97.6		47.3	142.0
145	33.0		16.2	48.5

