

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060492.D
 Acq On : 13 Mar 2020 11:17
 Operator : JC/MD
 Sample : VN0313MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:48 PM

Quant Time: Mar 16 08:09:49 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	191072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119689	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.56	113	88847	61.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.62%	
50) Toluene-d8	10.08	98	340619	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.40	95	128231	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	24972	14.255	ug/l	100
3) Chloromethane	2.03	50	48687	15.963	ug/l	99
4) Vinyl Chloride	2.16	62	39131	14.960	ug/l	99
5) Bromomethane	2.54	94	17590	15.025	ug/l	98
6) Chloroethane	2.68	64	22654	15.985	ug/l	96
7) Trichlorofluoromethane	3.00	101	53542	16.021	ug/l	99
8) Diethyl Ether	3.38	74	22982	18.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32957	17.425	ug/l	99
10) Methyl Iodide	3.93	142	22653	13.123	ug/l	98
11) Tert butyl alcohol	4.73	59	40063	110.059	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31701	17.219	ug/l	97
13) Acrolein	3.58	56	33234	97.865	ug/l	98
14) Allyl chloride	4.29	41	61841	18.271	ug/l	98
15) Acrylonitrile	4.94	53	103013	107.364	ug/l	99
16) Acetone	3.78	43	87433	110.443	ug/l	99
17) Carbon Disulfide	4.03	76	73445	14.578	ug/l	100
18) Methyl Acetate	4.29	43	54396	20.590	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127706	19.161	ug/l	97
20) Methylene Chloride	4.52	84	38692	17.796	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34667	17.299	ug/l	98
22) Diisopropyl ether	5.91	45	135076	19.702	ug/l	95
23) Vinyl Acetate	5.86	43	539309	98.995	ug/l	99
24) 1,1-Dichloroethane	5.82	63	71648	18.462	ug/l	99
25) 2-Butanone	6.80	43	139164	108.831	ug/l	99
26) 2,2-Dichloropropane	6.79	77	61515	17.411	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42267	16.766	ug/l	98
28) Bromochloromethane	7.17	49	31420	19.719	ug/l	97
29) Tetrahydrofuran	7.18	42	95476	107.374	ug/l	97
30) Chloroform	7.34	83	71885	18.607	ug/l	100
31) Cyclohexane	7.63	56	60891	17.515	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	60656	17.721	ug/l	100
36) 1,1-Dichloropropene	7.77	75	49689	16.700	ug/l	99
37) Ethyl Acetate	6.90	43	59916	21.267	ug/l	99
38) Carbon Tetrachloride	7.75	117	47317	16.333	ug/l	97

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55136	15.716	ug/l	98
40) Benzene	8.02	78	155497	17.955	ug/l	99
41) Methacrylonitrile	7.14	41	26518	20.385	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58158	18.610	ug/l	100
43) Isopropyl Acetate	8.14	43	99594	20.192	ug/l	99
44) Trichloroethene	8.82	130	40736	16.889	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44271	19.552	ug/l	97
46) Dibromomethane	9.19	93	27723	18.870	ug/l	97
47) Bromodichloromethane	9.39	83	56127	18.784	ug/l	98
48) Methyl methacrylate	9.18	41	43405	19.298	ug/l	99
49) 1,4-Dioxane	9.18	88	13876	438.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	298064	106.584	ug/l	100
52) Toluene	10.14	92	95459	17.548	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65291	17.832	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	69889	18.421	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40414	18.474	ug/l	98
56) Ethyl methacrylate	10.42	69	61289	19.501	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68595	19.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	152296	92.651	ug/l	99
59) 2-Hexanone	10.74	43	214013	104.230	ug/l	99
60) Dibromochloromethane	10.89	129	42113	18.929	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40854	19.157	ug/l	96
64) Tetrachloroethene	10.62	164	40240	16.780	ug/l	99
65) Chlorobenzene	11.43	112	99750	17.127	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39009	18.115	ug/l	99
67) Ethyl Benzene	11.50	91	185902	17.528	ug/l	99
68) m/p-Xylenes	11.62	106	136054	34.000	ug/l	100
69) o-Xylene	11.94	106	67283	17.633	ug/l	98
70) Styrene	11.96	104	107115	17.074	ug/l	99
71) Bromoform	12.12	173	29355	18.915	ug/l #	100
73) Isopropylbenzene	12.25	105	178601	17.551	ug/l	99
74) N-amyl acetate	12.06	43	87235	19.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	58011	20.972	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54279m	18.019	ug/l	
77) Bromobenzene	12.52	156	44110	17.683	ug/l	97
78) n-propylbenzene	12.59	91	208977	17.519	ug/l	99
79) 2-Chlorotoluene	12.67	91	124418	17.744	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	150443	17.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20900	19.153	ug/l #	85
82) 4-Chlorotoluene	12.77	91	127085	17.203	ug/l	99
83) tert-Butylbenzene	12.99	119	128080	17.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	149886	17.332	ug/l	99
85) sec-Butylbenzene	13.17	105	170648	17.179	ug/l	99
86) p-Isopropyltoluene	13.28	119	154490	16.803	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	77454	17.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77687	18.008	ug/l	99
89) n-Butylbenzene	13.61	91	137963	16.346	ug/l	98
90) Hexachloroethane	13.87	117	21423	16.098	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76444	17.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11772	18.793	ug/l	96

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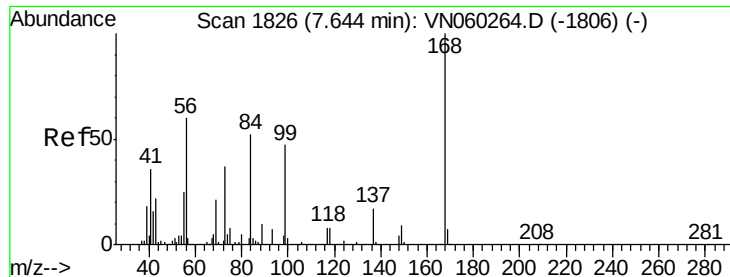
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46212	16.698	ug/l	100
94) Hexachlorobutadiene	15.01	225	23561	18.090	ug/l	97
95) Naphthalene	15.13	128	140759	17.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45122	17.131	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion:168 Resp: 191072

Ion Ratio Lower Upper

168 100

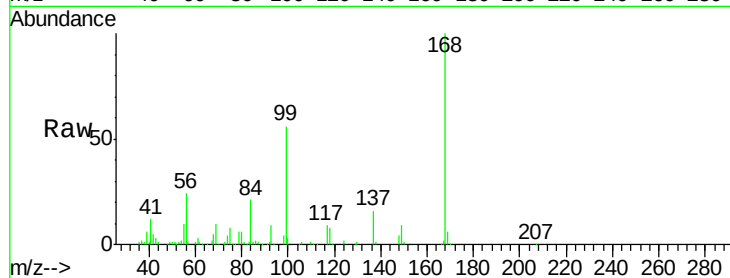
99 56.0 44.7 67.1

Manual Integrations

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3/16/2020 2:04:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

40000

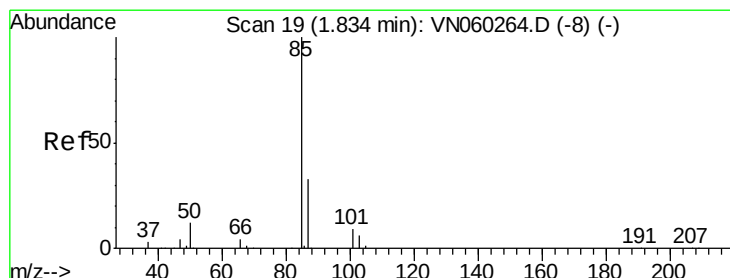
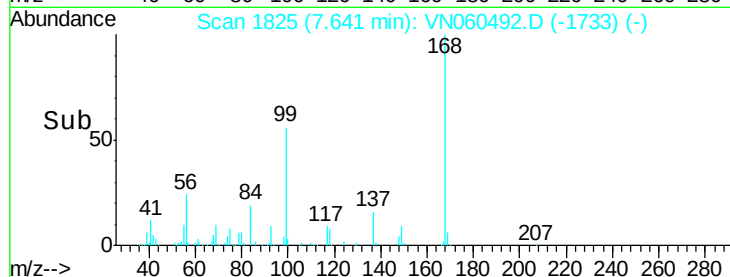
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.255 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060492.D

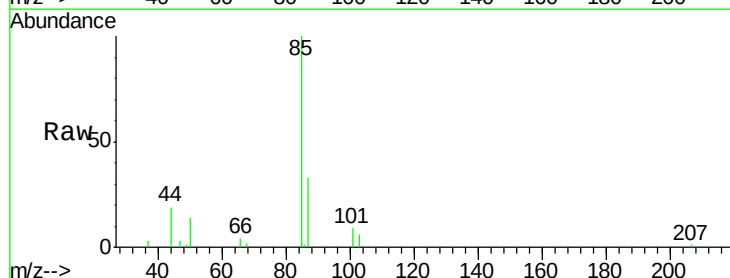
Acq: 13 Mar 2020 11:17

Tgt Ion: 85 Resp: 24972

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

20000

15000

10000

5000

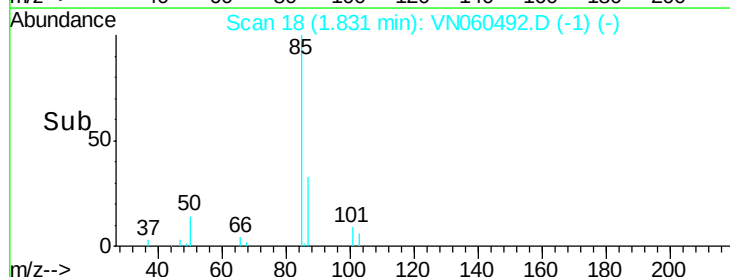
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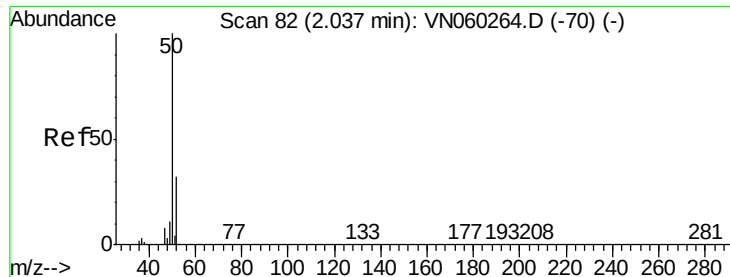
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.963 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 50 Resp: 48687

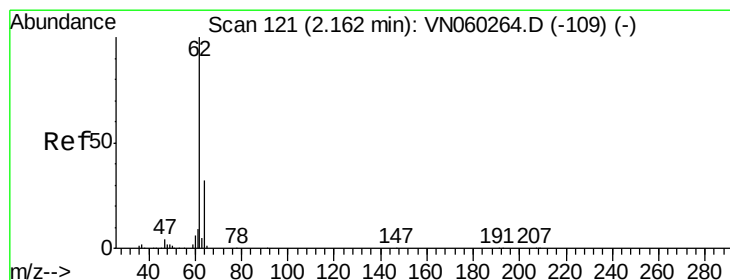
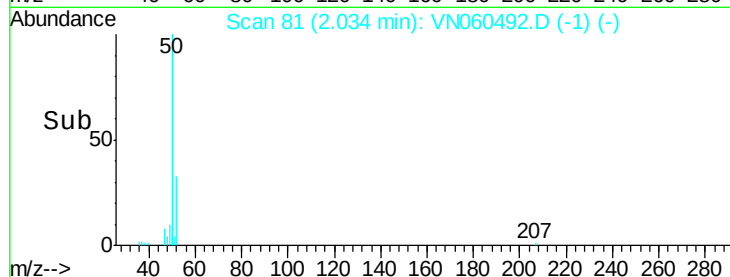
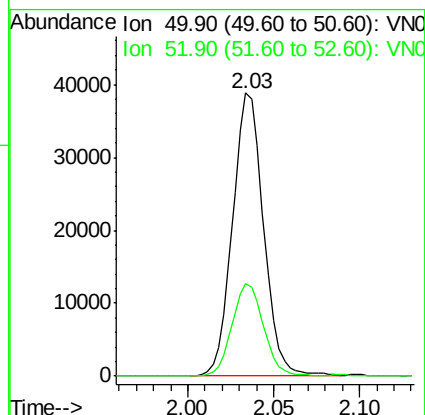
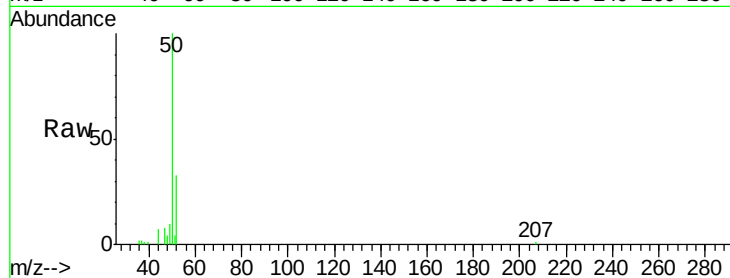
Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 14.960 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060492.D

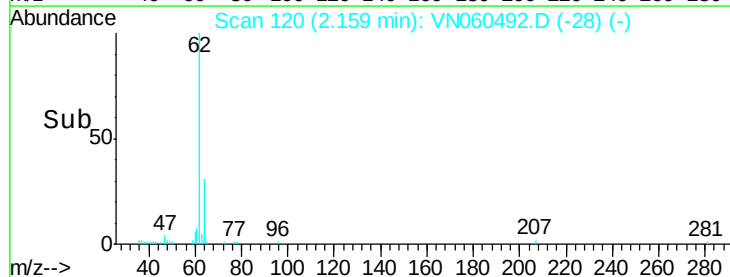
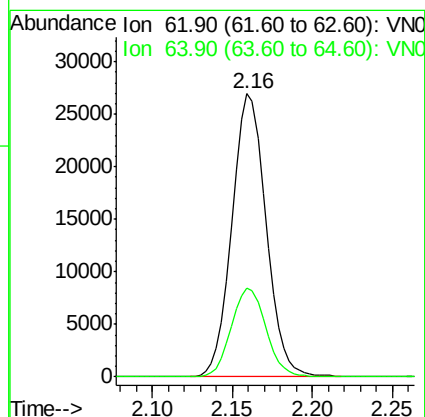
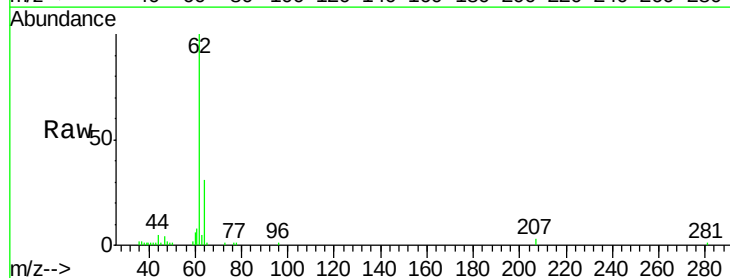
Acq: 13 Mar 2020 11:17

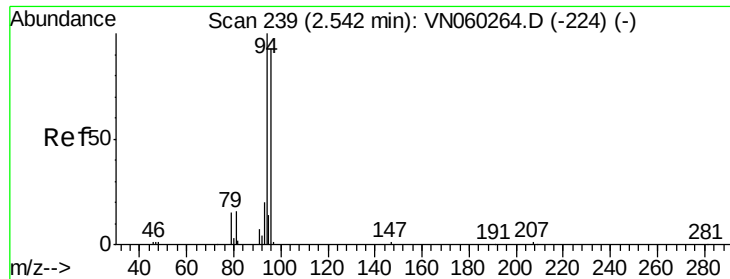
Tgt Ion: 62 Resp: 39131

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 15.025 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 94 Resp: 17590

Ion Ratio Lower Upper

94 100

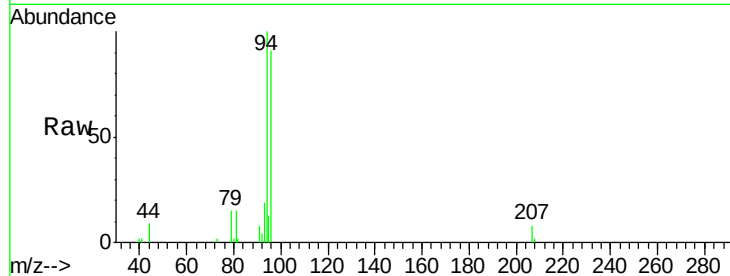
96 91.2 74.3 111.5

Manual Integrations

APPROVED

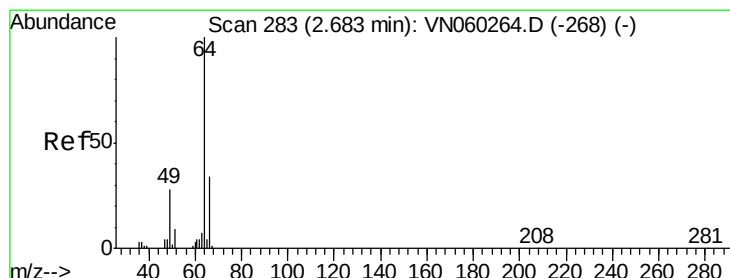
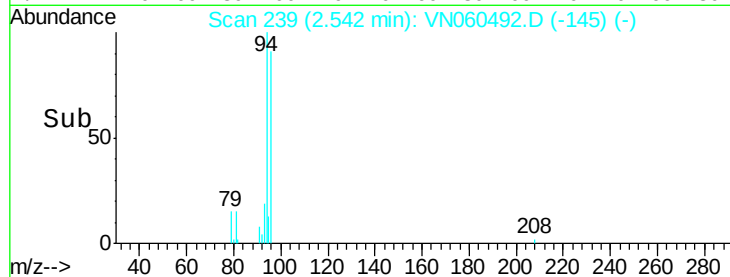
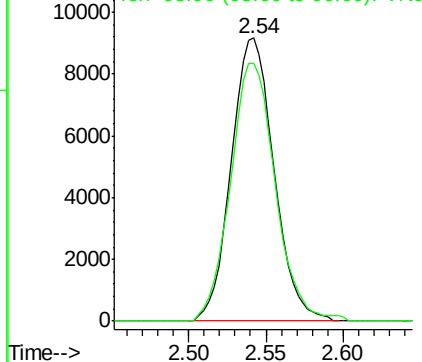
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.985 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060492.D

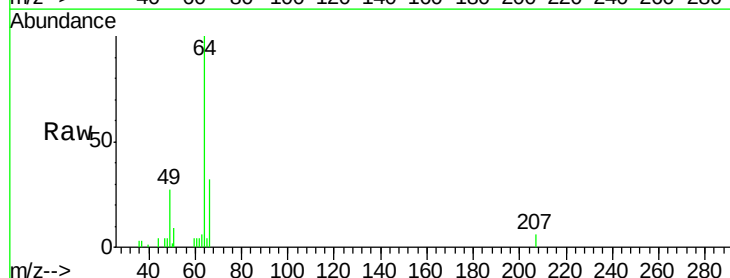
Acq: 13 Mar 2020 11:17

Tgt Ion: 64 Resp: 22654

Ion Ratio Lower Upper

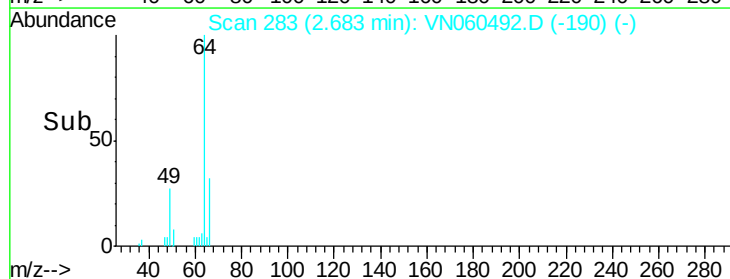
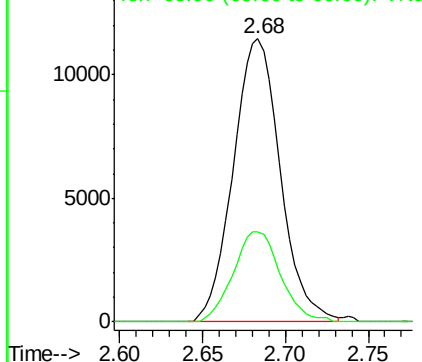
64 100

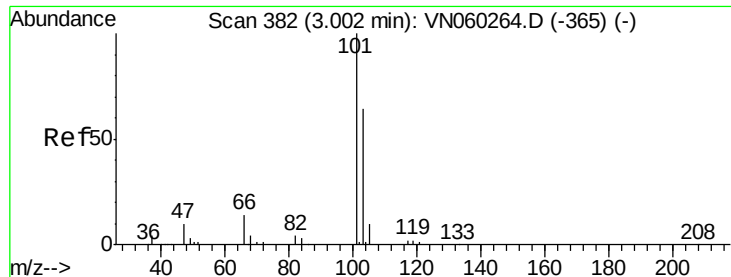
66 31.7 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

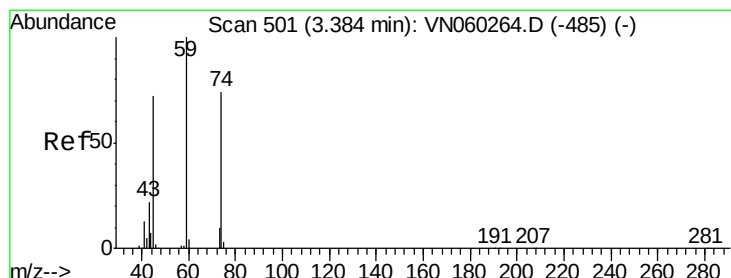
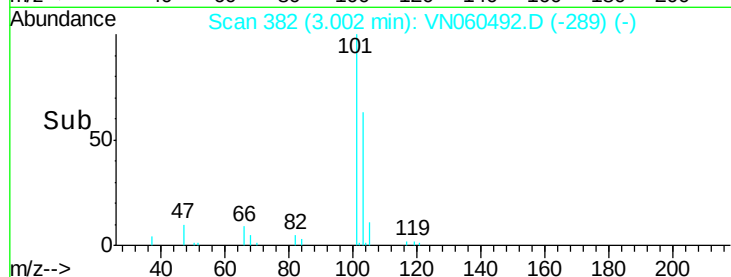
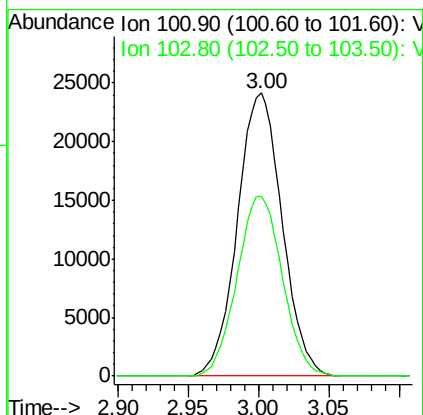
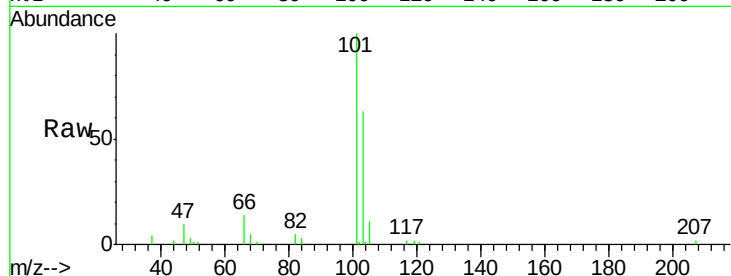
Trichlorofluoromethane
Concen: 16.021 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
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VN0313MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		53542		
103	63.4	51.3	76.9		

Manual Integrations
APPROVED

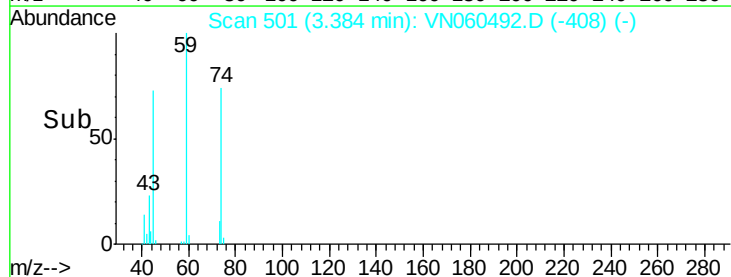
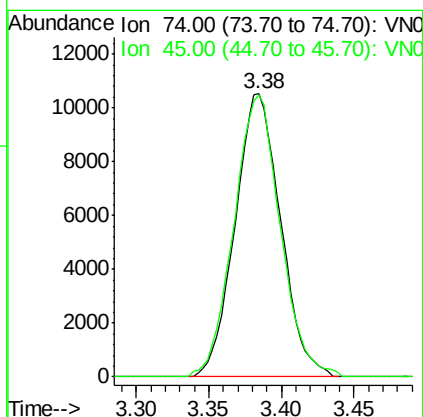
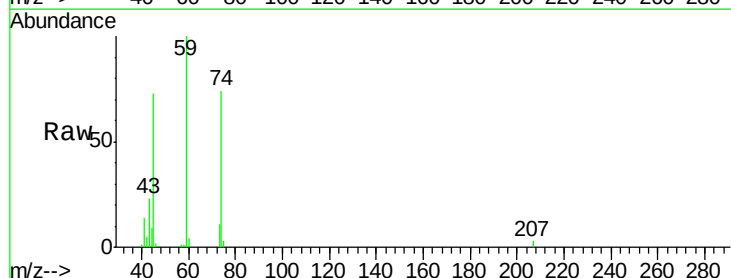
MMDadoda
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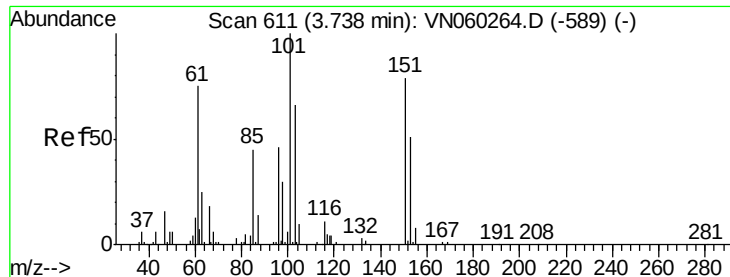


#8

Diethyl Ether
Concen: 18.213 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22982		
45	101.6	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.425 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

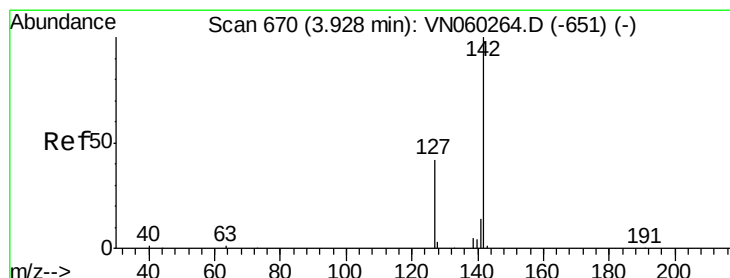
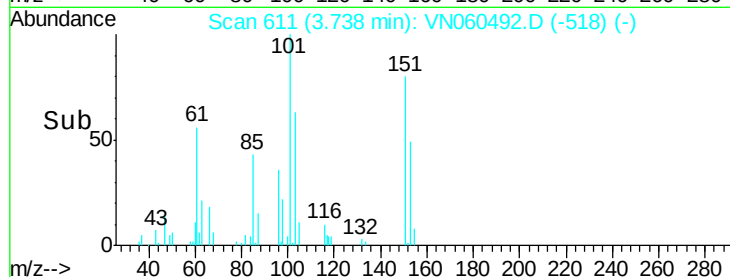
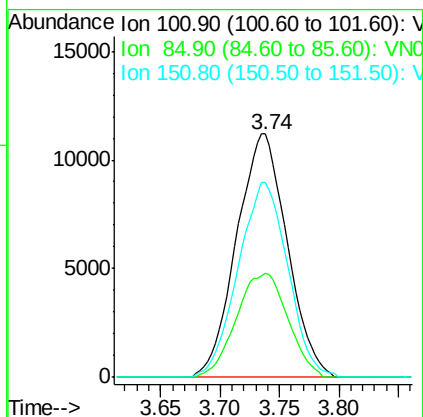
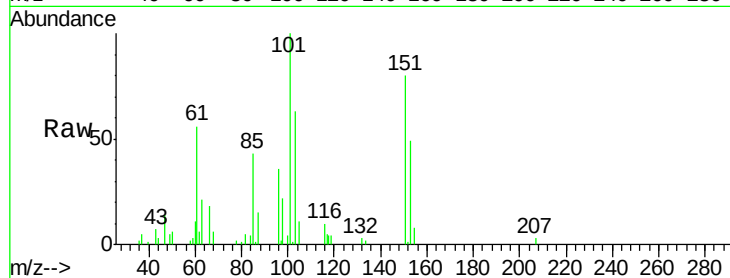
ClientSampled :

VN0313MBS01

Tot Ion:	101	Resp:	32957
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.4	53.2
151	78.6	62.0	93.0

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#10

Methyl Iodide

Concen: 13.123 ug/l

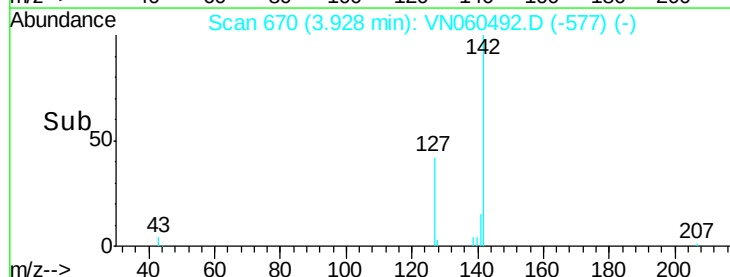
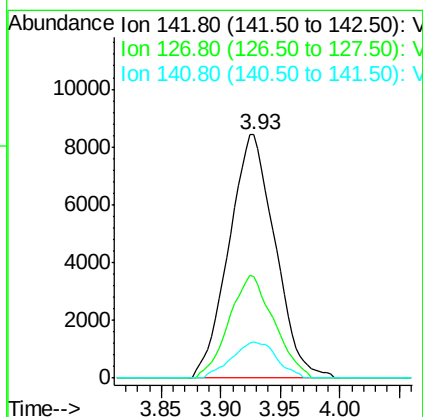
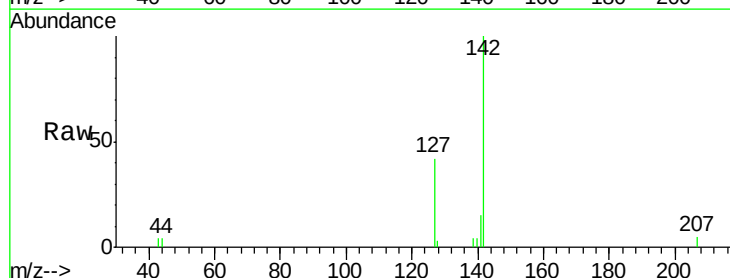
RT: 3.93 min Scan# 670

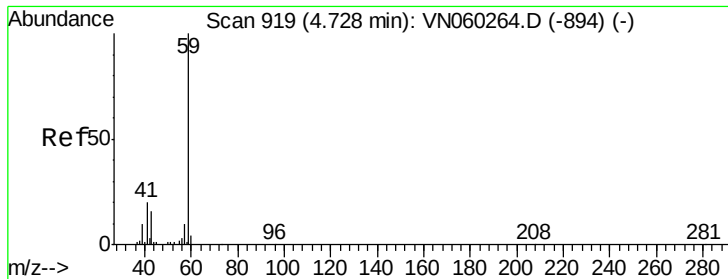
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	142	Resp:	22653
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	14.5	11.1	16.7





#11

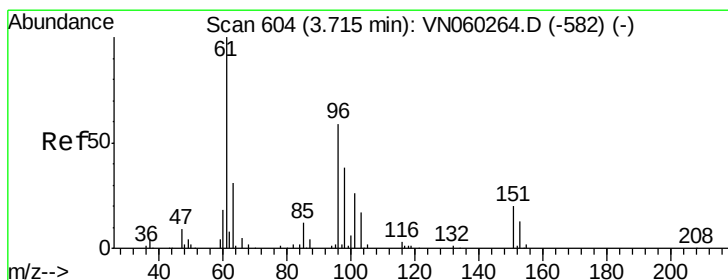
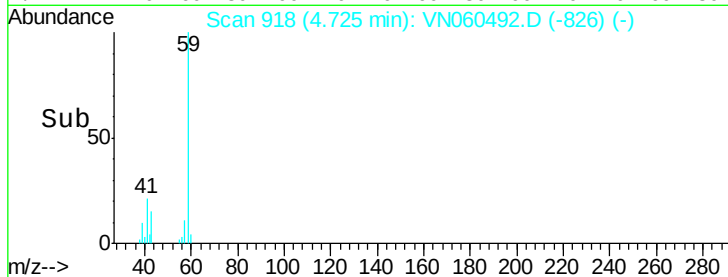
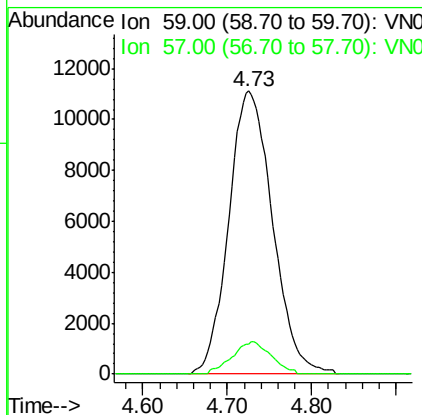
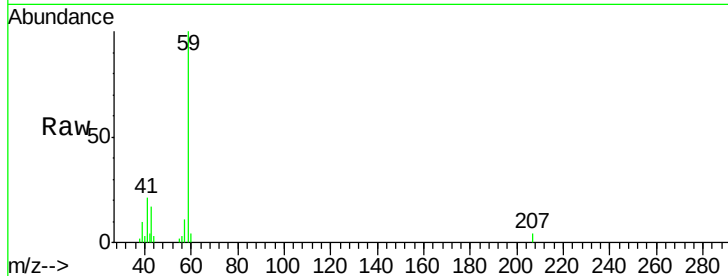
Tert butyl alcohol
 Concen: 110.059 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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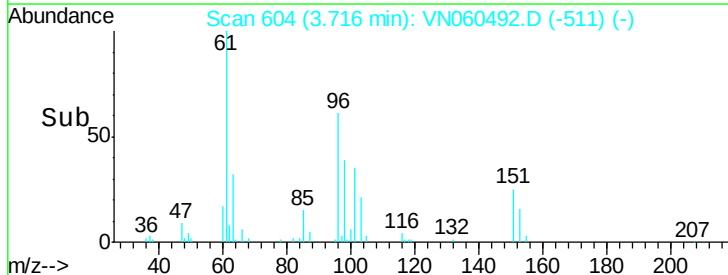
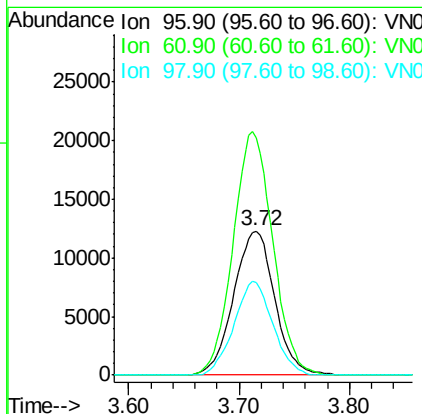
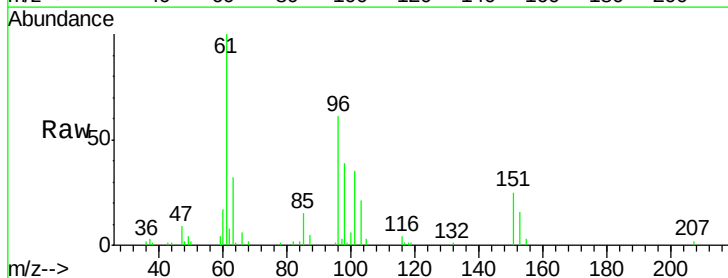
MMDadoda
 3/16/2020 2:04:48 PM

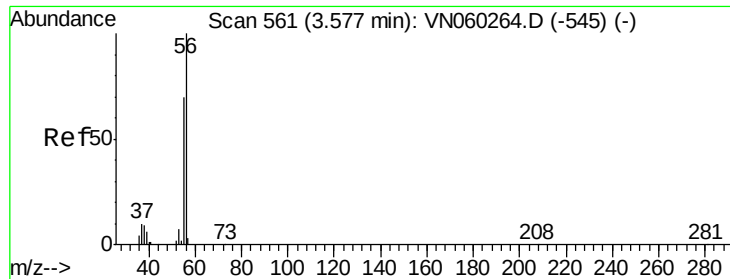


#12

1,1-Dichloroethene
 Concen: 17.219 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.6	135.4	203.0
98	64.2	51.6	77.4





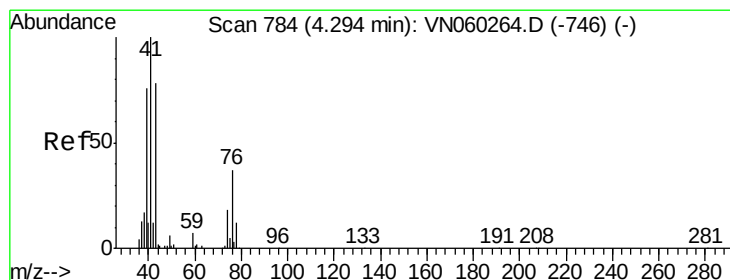
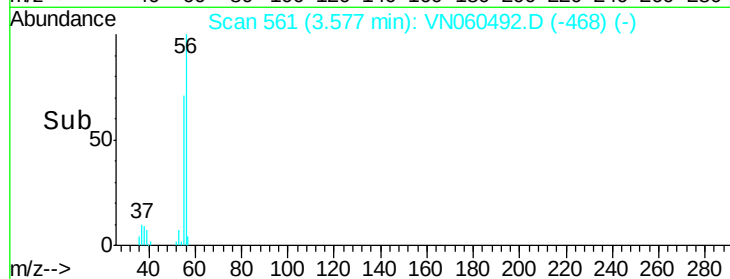
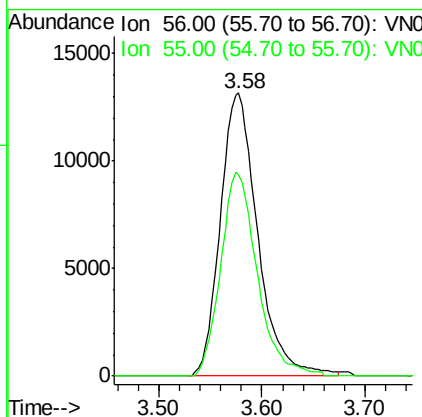
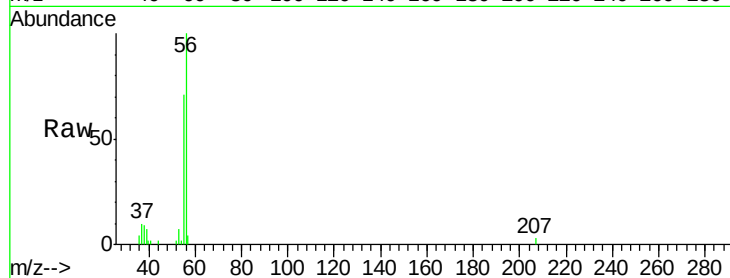
#13
 Acrolein
 Concen: 97.865 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	56	Resp	33234
Ion Ratio	100	Lower	Upper
55	70.4	57.4	86.0

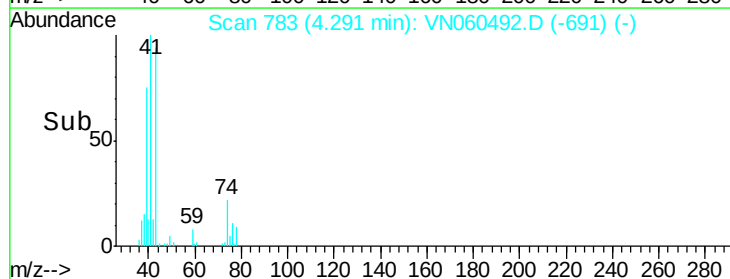
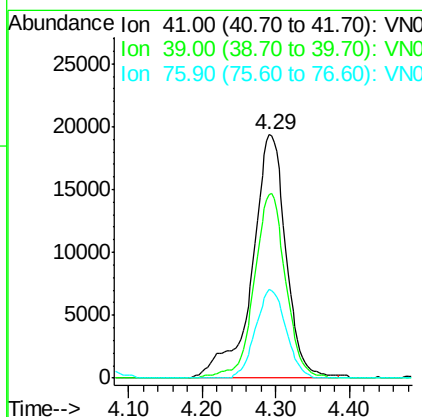
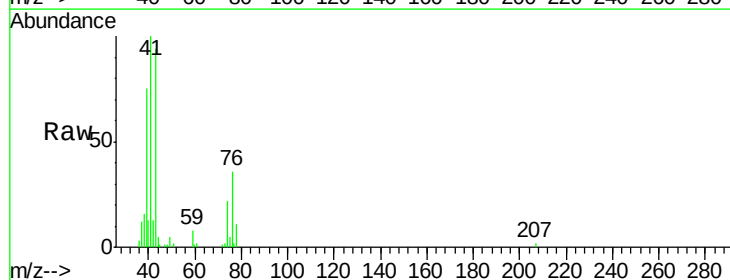
Manual Integrations
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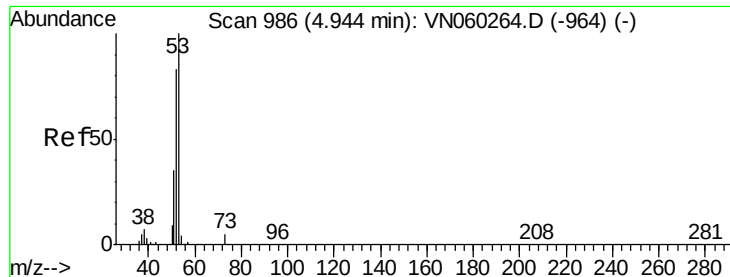
MMDadoda
 3/16/2020 2:04:48 PM



#14
 Allyl chloride
 Concen: 18.271 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	41	Resp	61841
Ion Ratio	100	Lower	Upper
39	70.5	55.4	83.2
76	32.6	27.0	40.6





#15

Acrylonitrile

Concen: 107.364 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

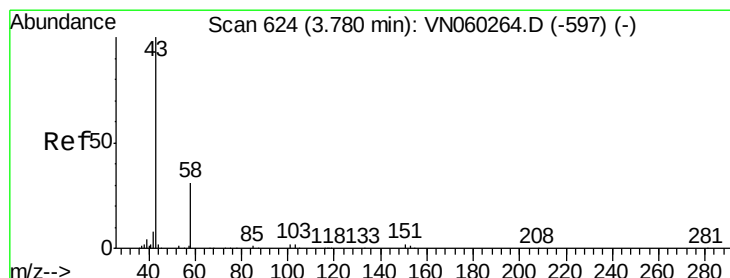
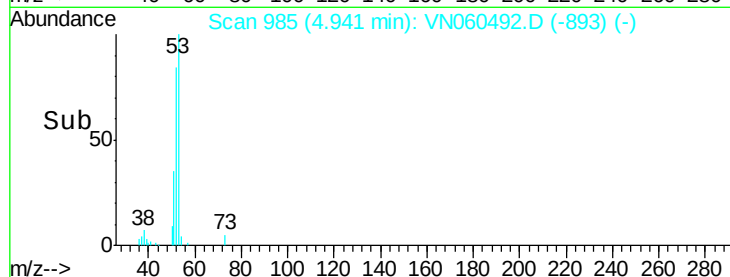
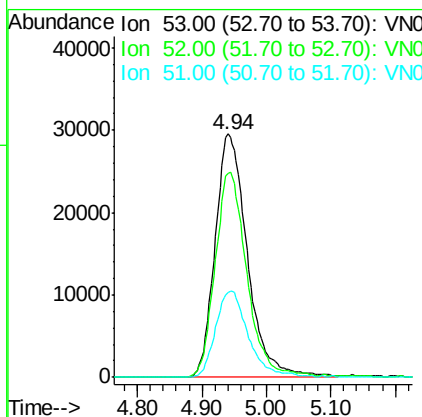
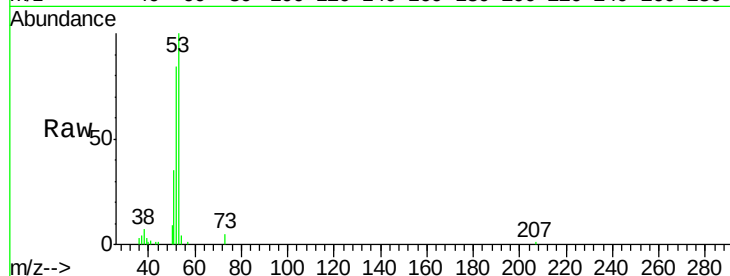
ClientSampleId :

VN0313MBS01

Tot Ion:	53	Resp:	103013
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.8	100.2
51	36.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 110.443 ug/l

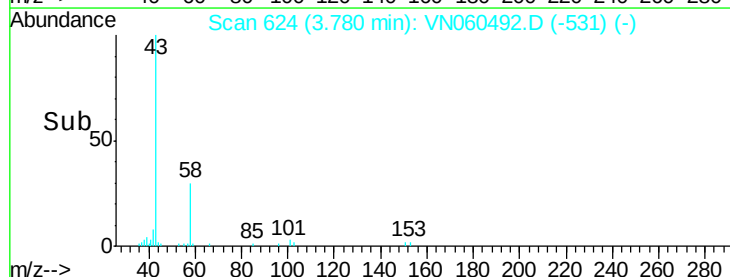
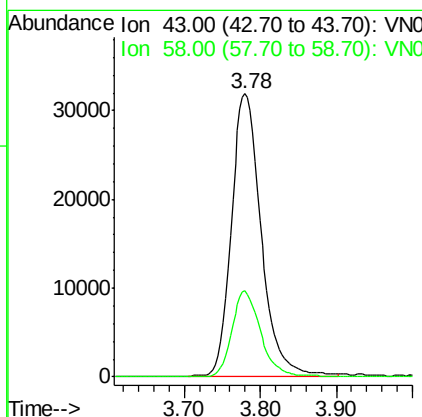
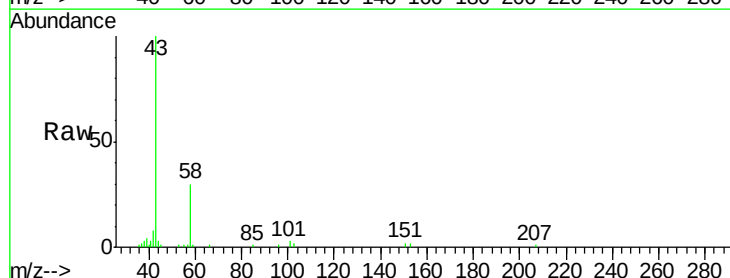
RT: 3.78 min Scan# 624

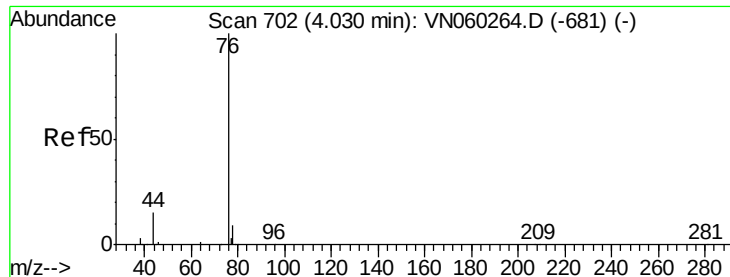
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	43	Resp:	87433
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.6	36.8





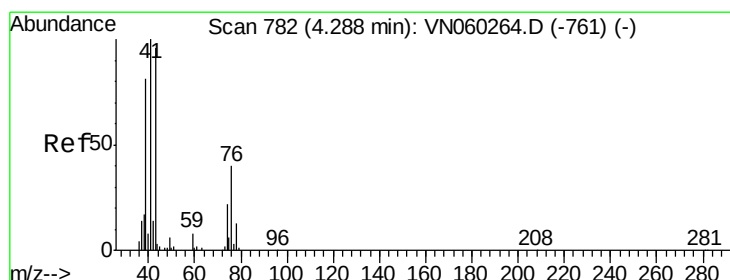
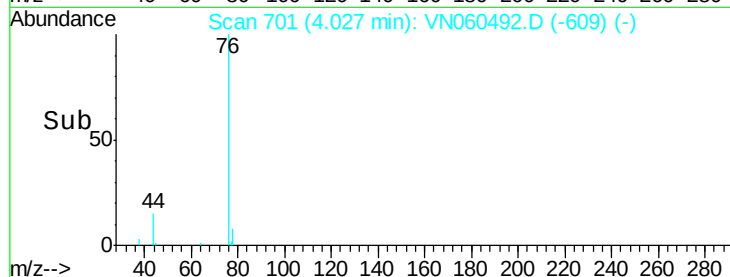
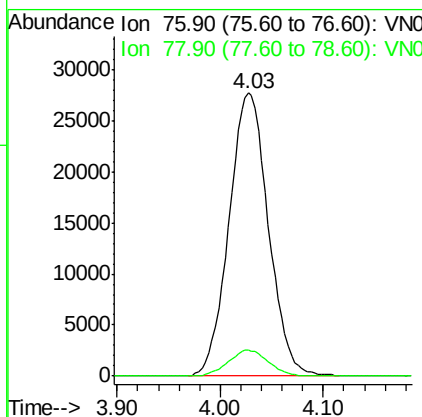
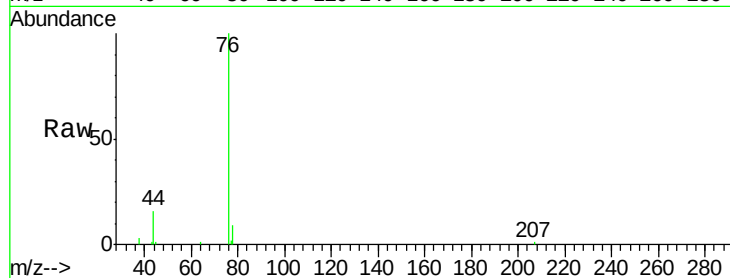
#17
Carbon Disulfide
Concen: 14.578 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

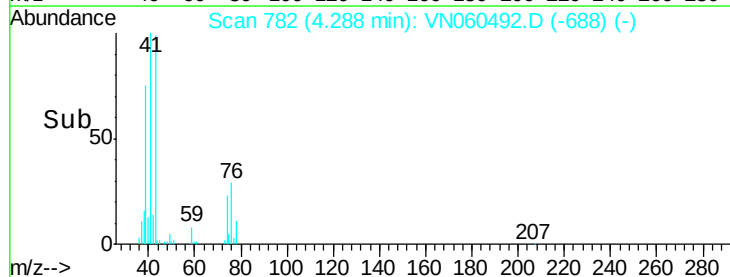
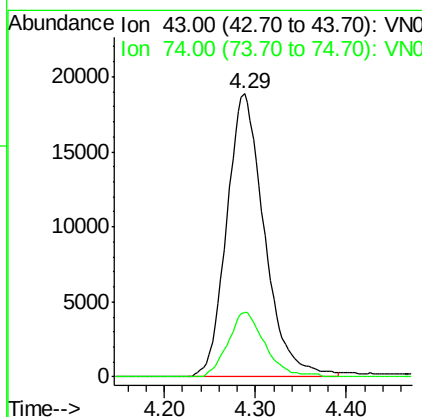
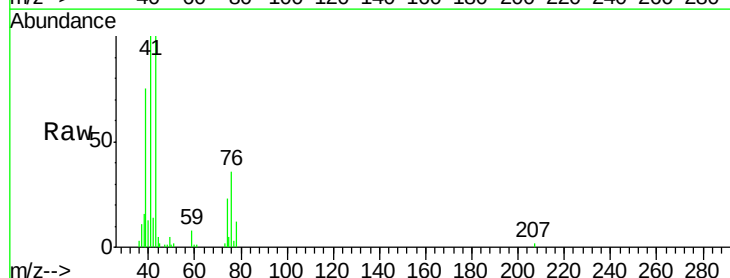
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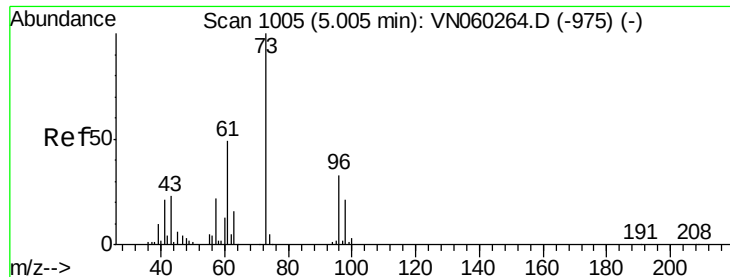
MMDadoda
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#18
Methyl Acetate
Concen: 20.590 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.8	28.2





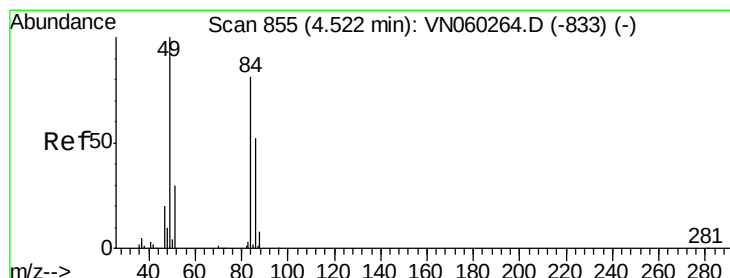
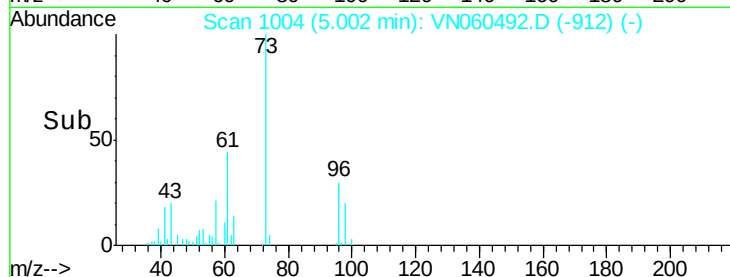
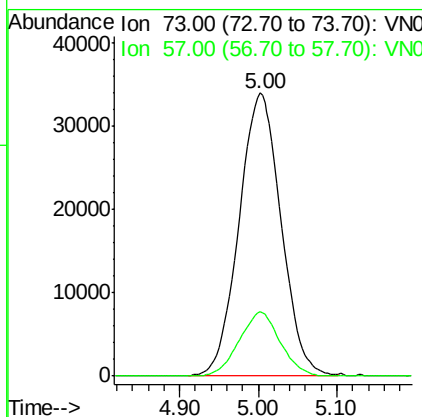
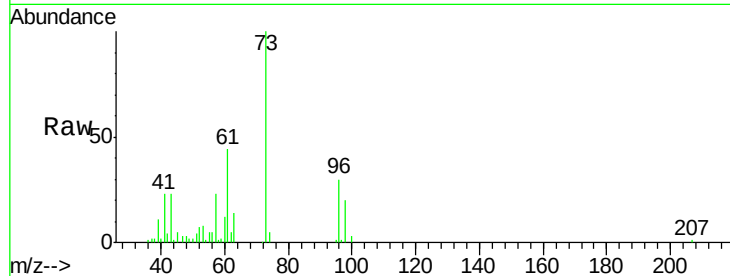
#19
Methvl tert-butvl Ether
Concen: 19.161 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 73 Resp: 127706
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

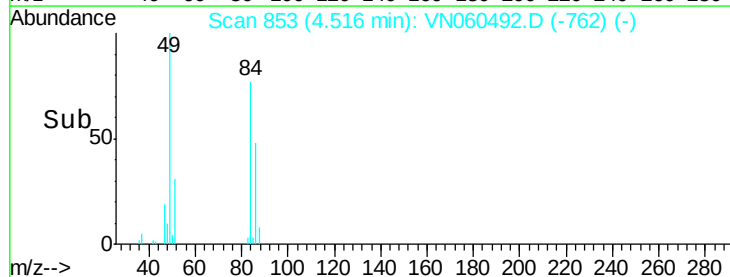
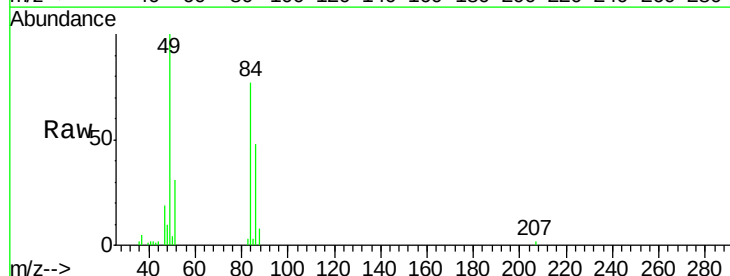
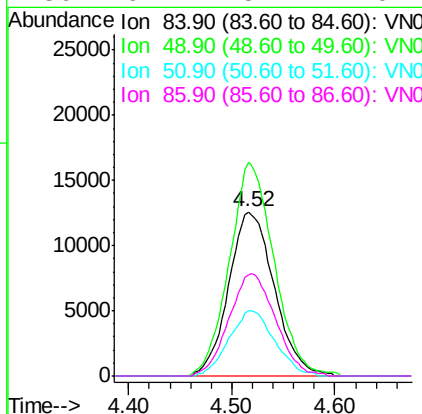
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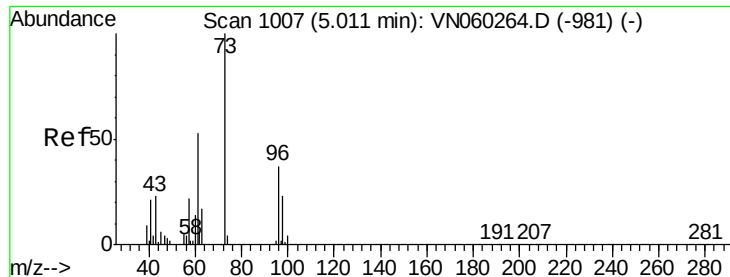
MMDadoda
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#20
Methylene Chloride
Concen: 17.796 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 84 Resp: 38692
Ion Ratio Lower Upper
84 100
49 130.3 99.3 148.9
51 39.9 30.1 45.1
86 62.1 51.1 76.7





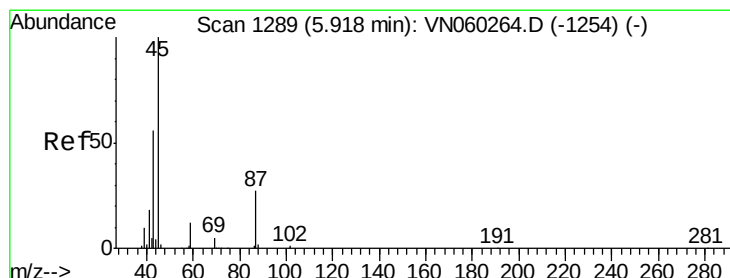
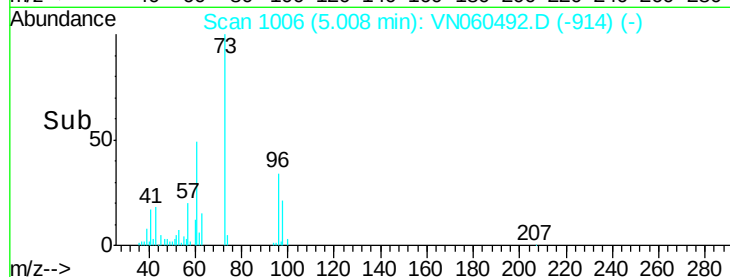
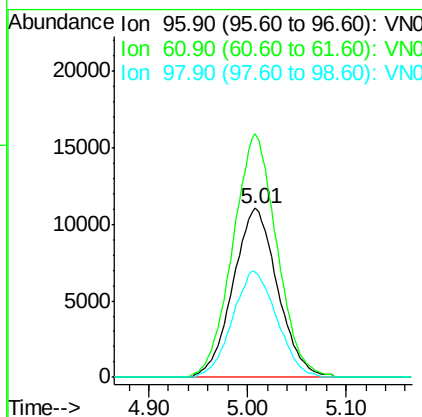
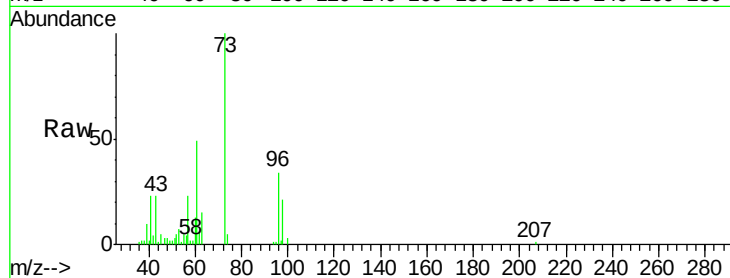
#21
trans-1,2-Dichloroethene
Concen: 17.299 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	113.8	170.8
98	62.6	48.8	73.2

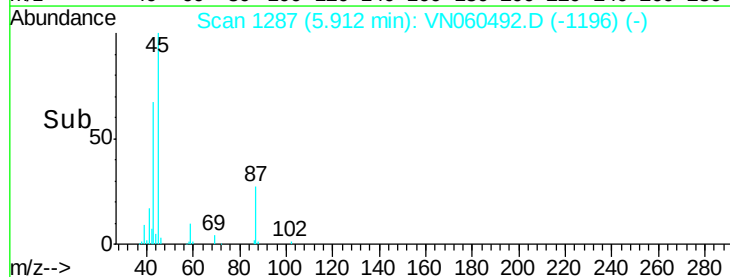
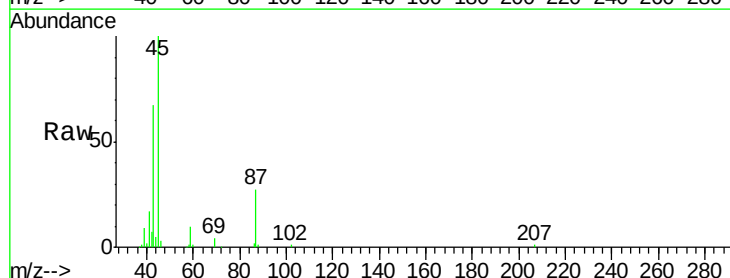
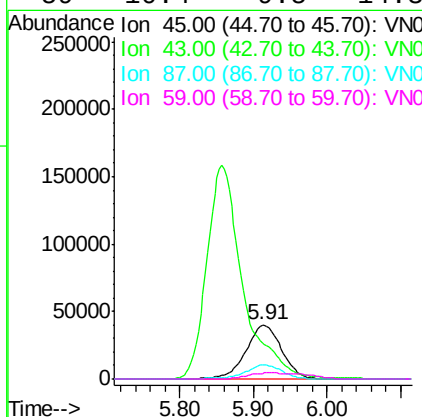
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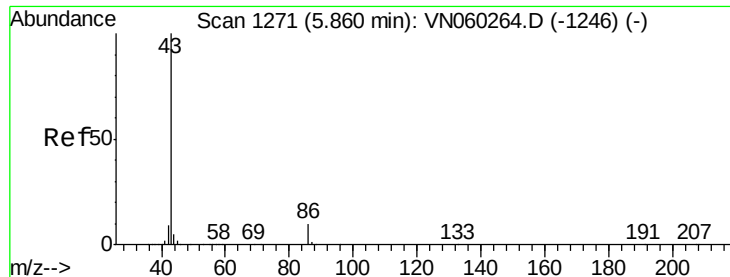
MMDadoda
3/16/2020 2:04:48 PM



#22
Diisopropyl ether
Concen: 19.702 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.6	72.8
87	26.9	22.2	33.2
59	10.4	9.5	14.3





#23

Vinyl Acetate

Concen: 98.995 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 43 Resp: 539309

Ion Ratio Lower Upper

43 100

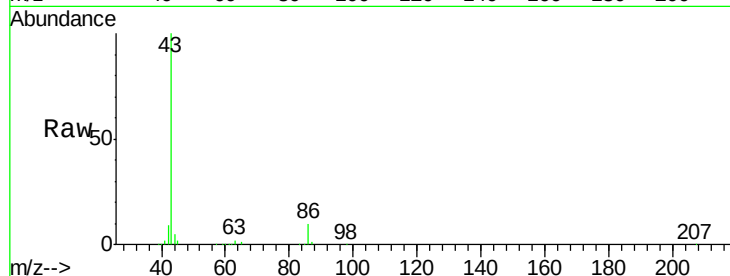
86 9.5 8.0 12.0

Manual Integrations

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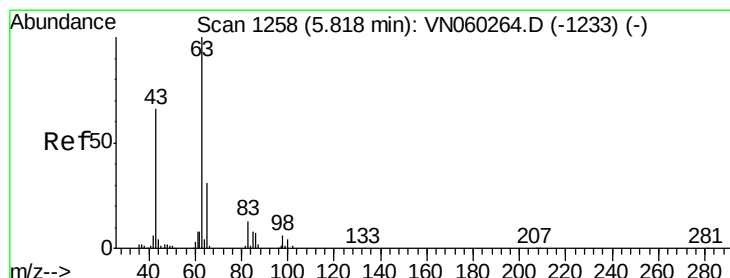
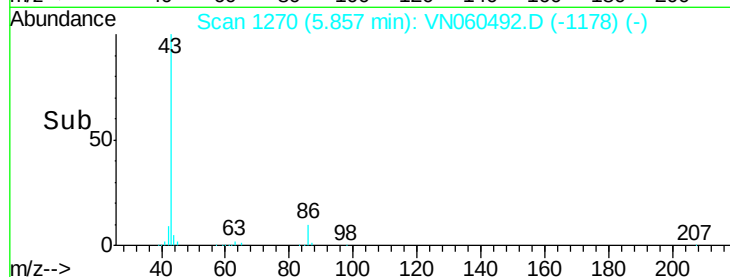
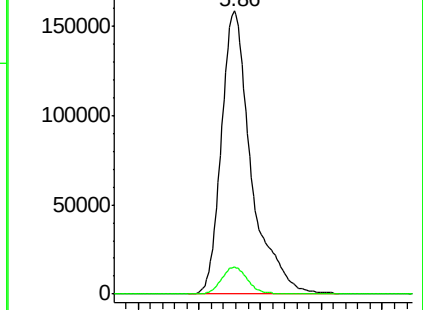
MMDadoda

3/16/2020 2:04:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.462 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

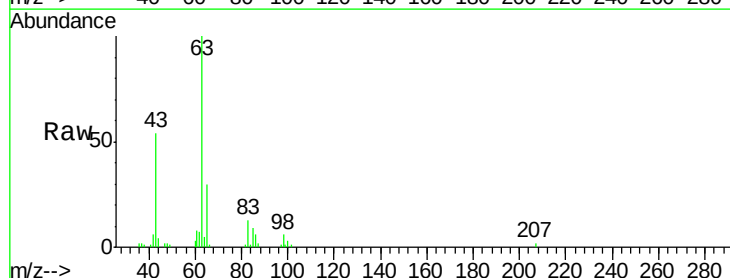
Tgt Ion: 63 Resp: 71648

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

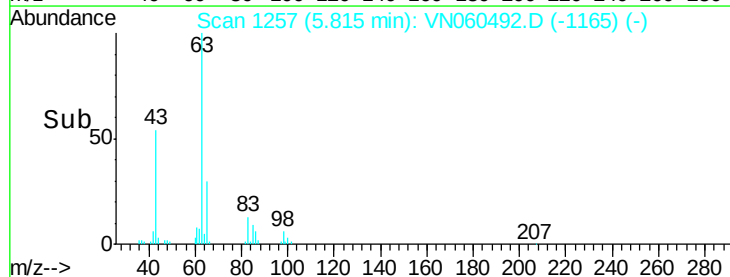
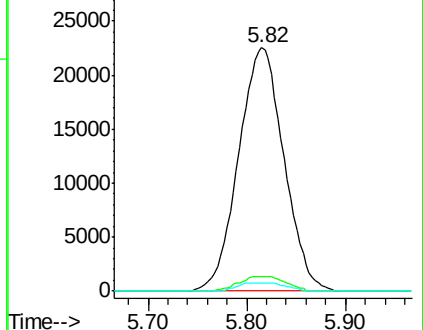
100 3.3 2.0 6.0

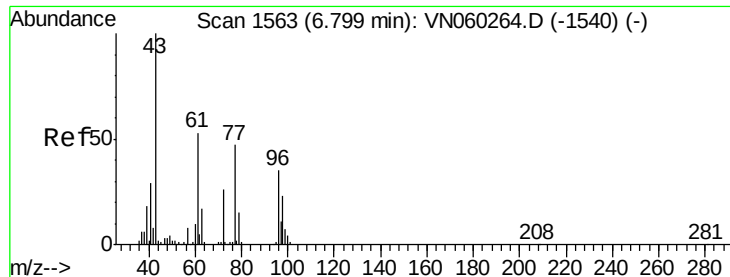


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 108.831 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 43 Resp: 139164

Ion Ratio Lower Upper

43 100

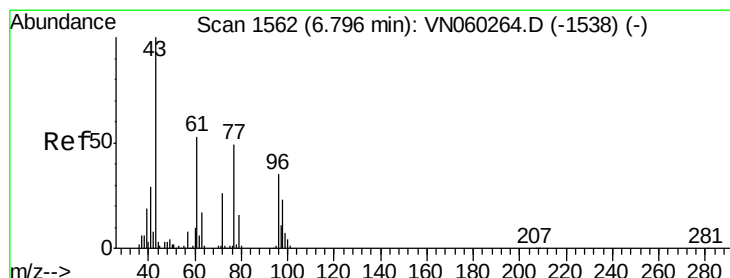
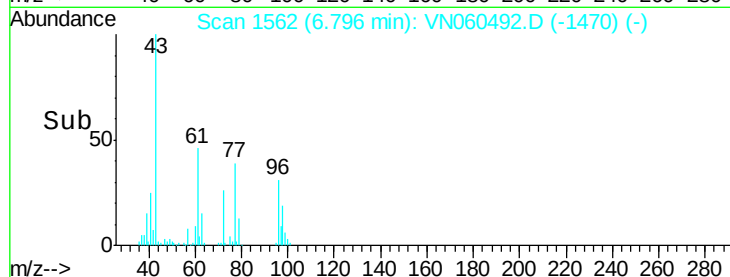
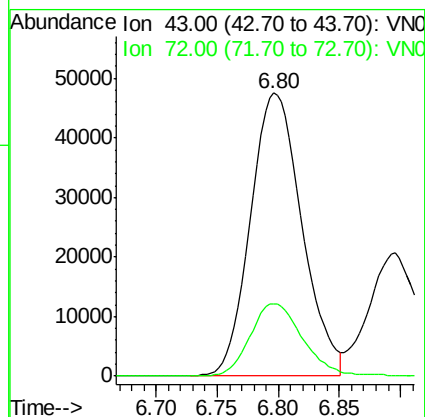
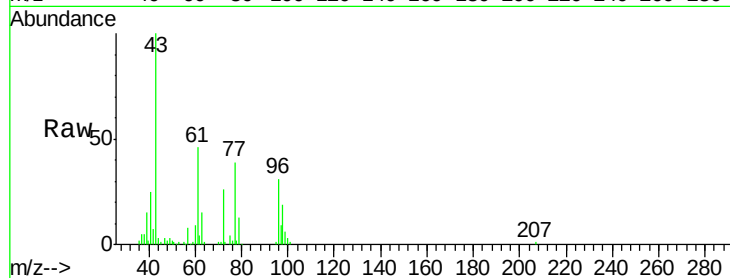
72 25.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:48 PM



#26

2,2-Dichloropropane

Concen: 17.411 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060492.D

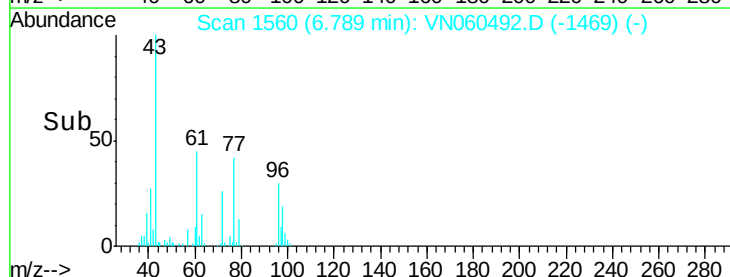
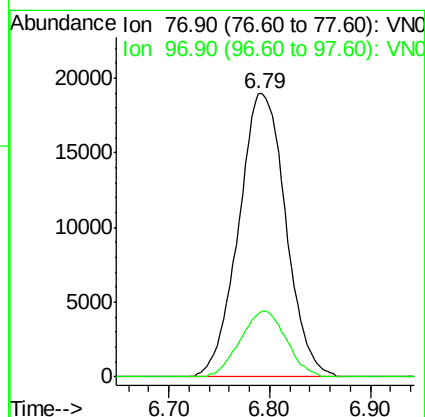
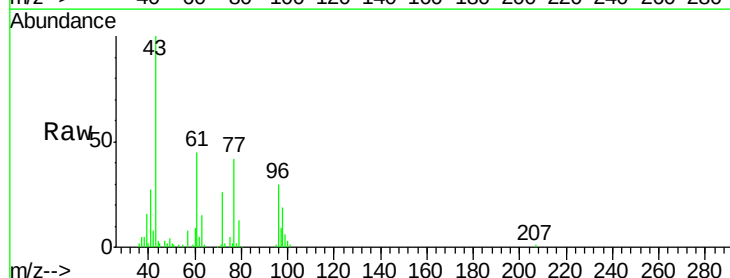
Acq: 13 Mar 2020 11:17

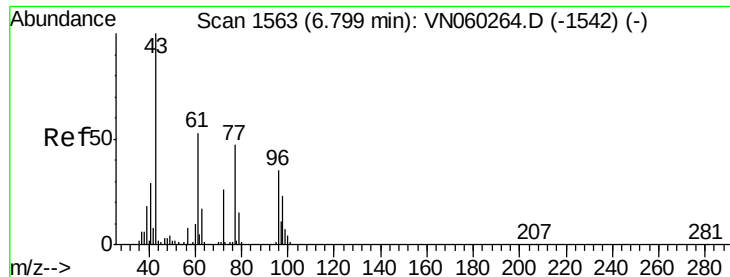
Tgt Ion: 77 Resp: 61515

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.766 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

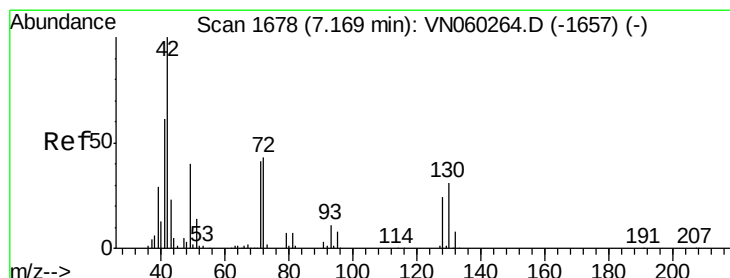
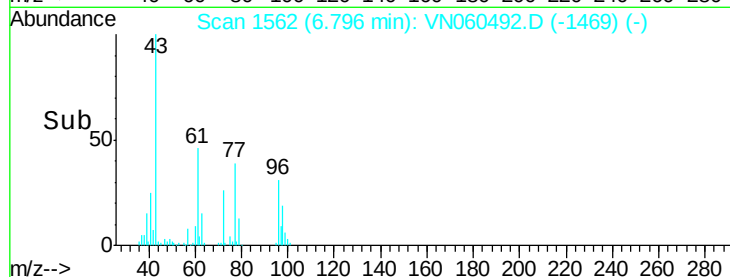
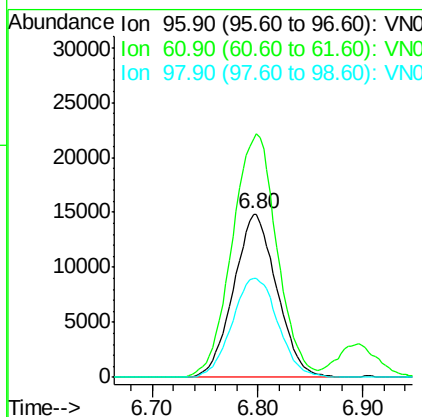
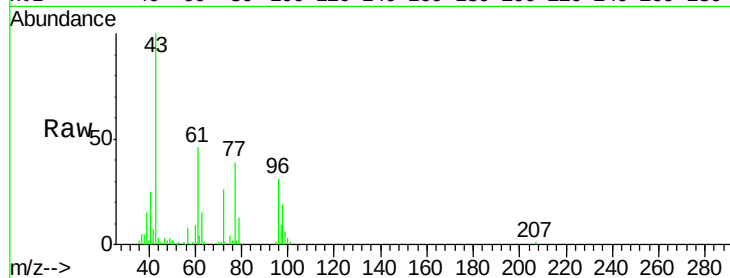
ClientSampleId :

VN0313MBS01

Tot Ion:	96	Resp:	42267
Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	300.8
98	64.3	0.0	128.2

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3/16/2020 2:04:48 PM



#28

Bromochloromethane

Concen: 19.719 ug/l

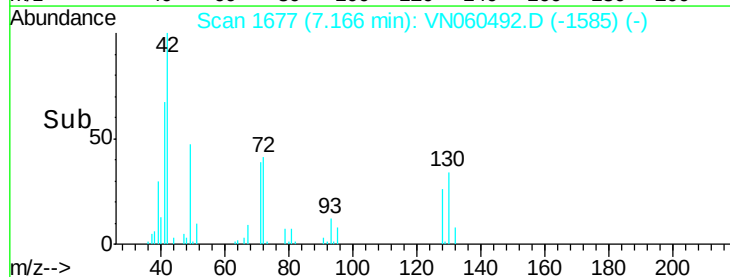
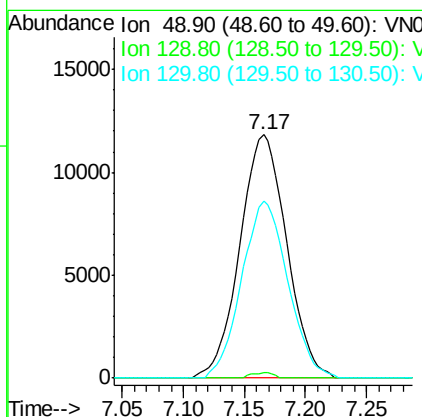
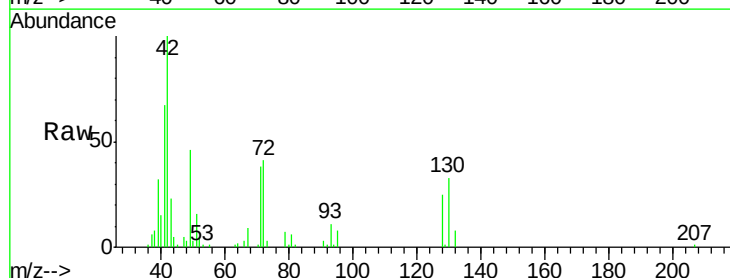
RT: 7.17 min Scan# 1677

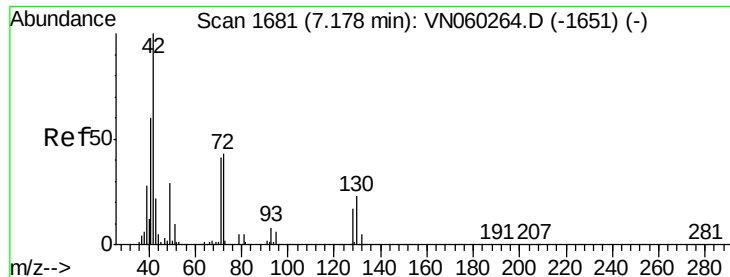
Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	49	Resp:	31420
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.8	59.8	89.8





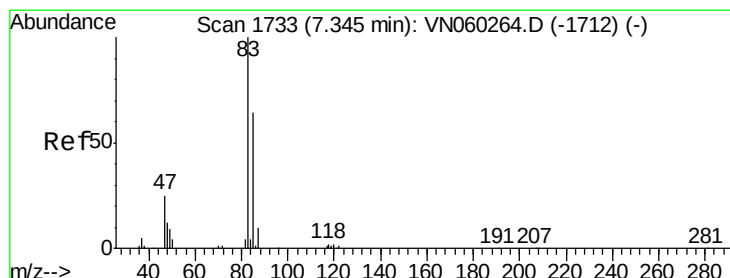
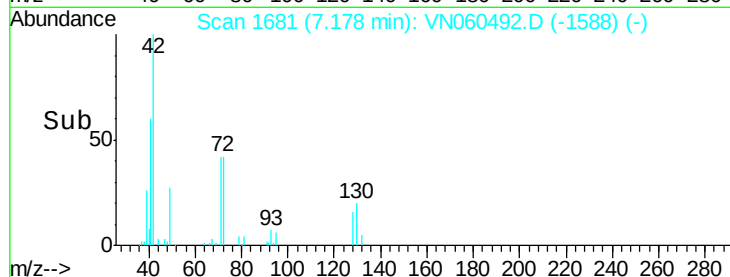
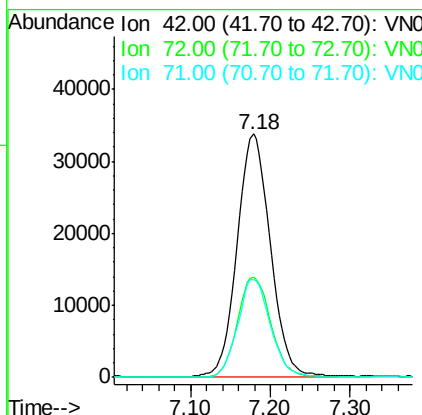
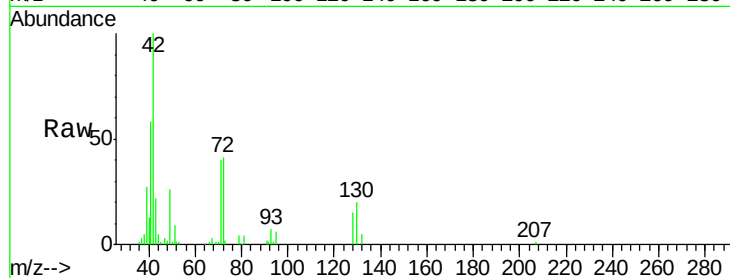
#29
Tetrahydrofuran
Concen: 107.374 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.6	52.0
71	39.4	32.9	49.3

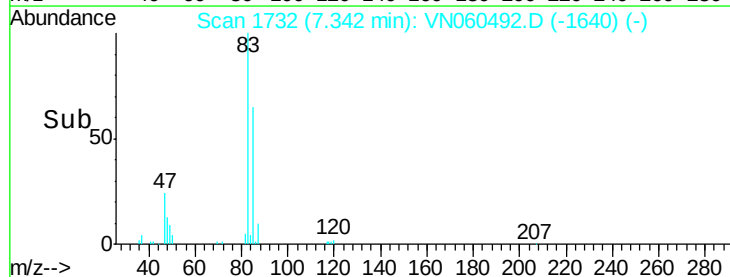
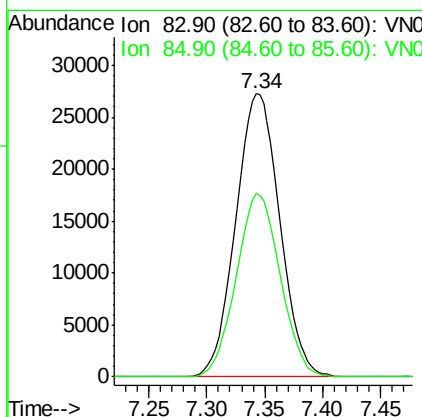
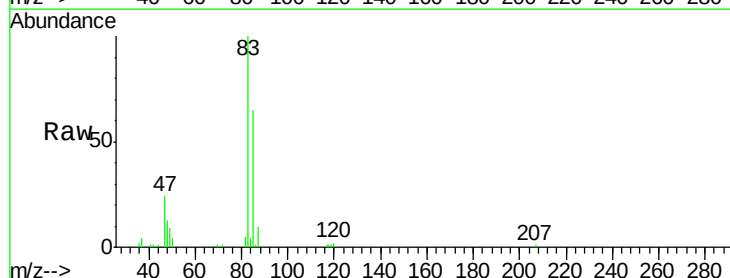
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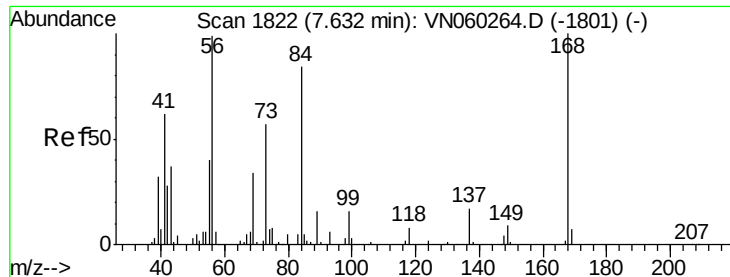
MMDadoda
3/16/2020 2:04:48 PM



#30
Chloroform
Concen: 18.607 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





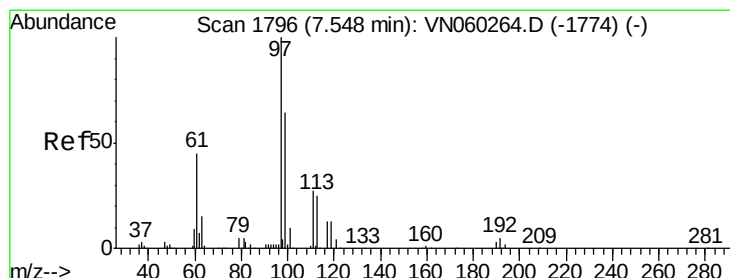
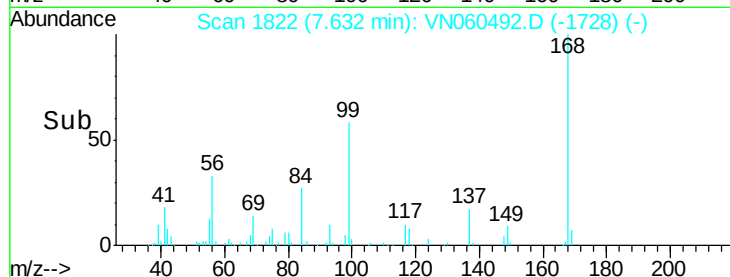
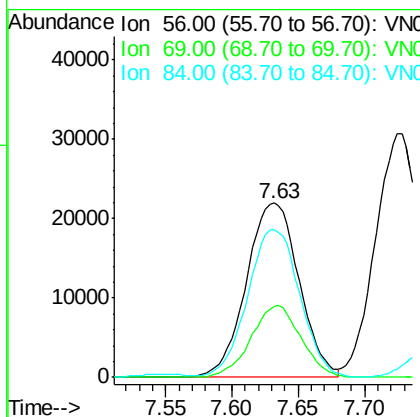
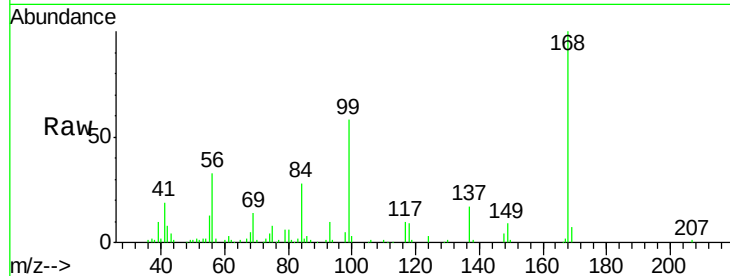
#31
Cyclohexane
Concen: 17.515 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.0	27.2	40.8#
84	83.6	66.7	100.1

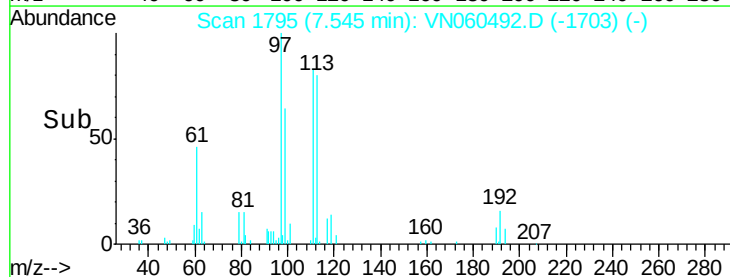
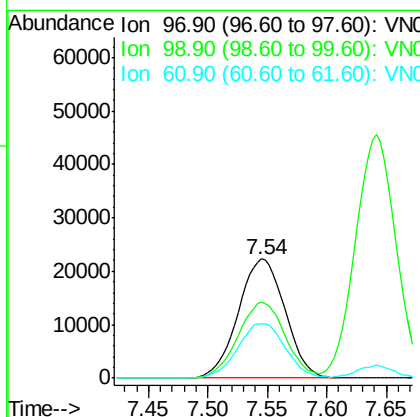
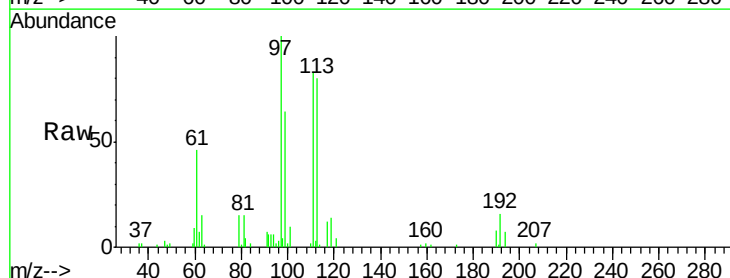
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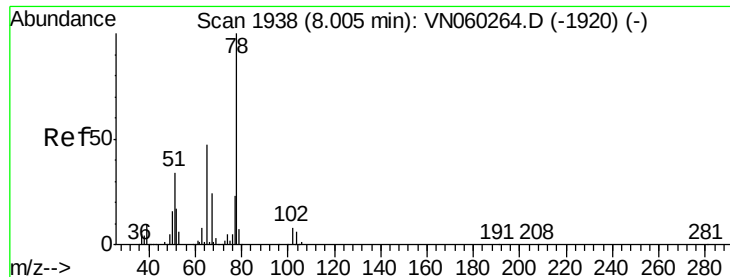
MMDadoda
3/16/2020 2:04:48 PM



#32
1,1,1-Trichloroethane
Concen: 17.721 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	46.4	36.6	55.0





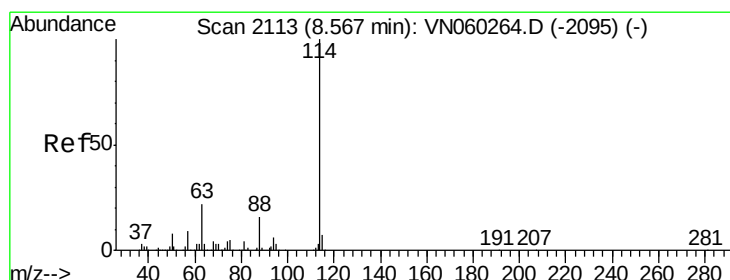
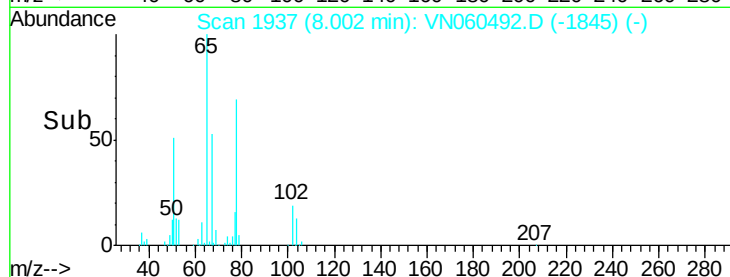
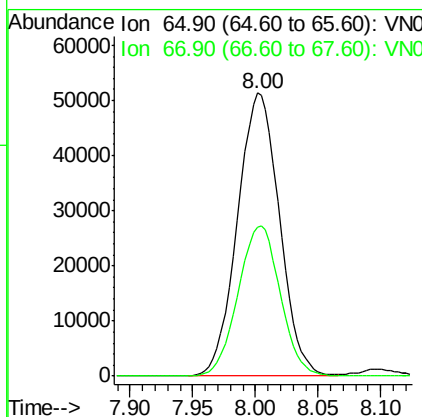
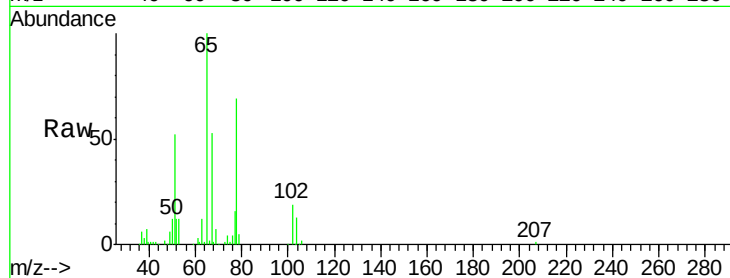
#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	103.8	

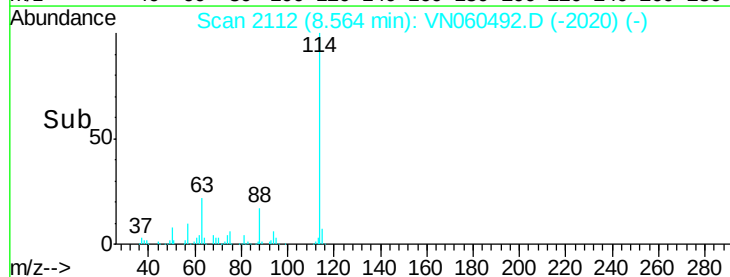
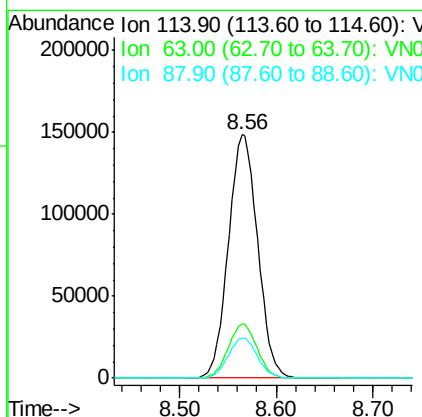
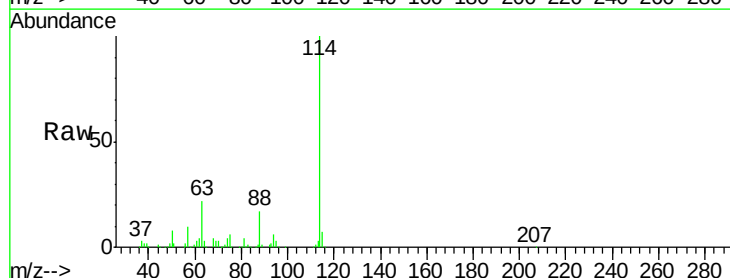
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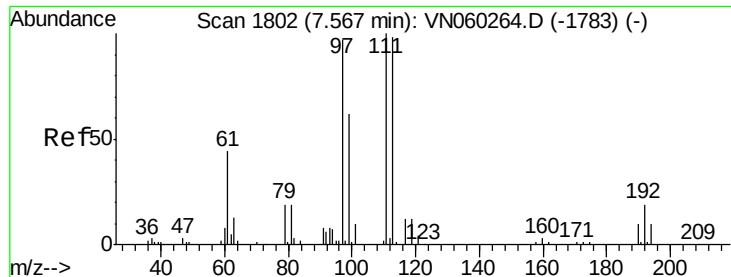
MMDadoda
 3/16/2020 2:04:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	43.2	
88	16.6	0.0	31.6	





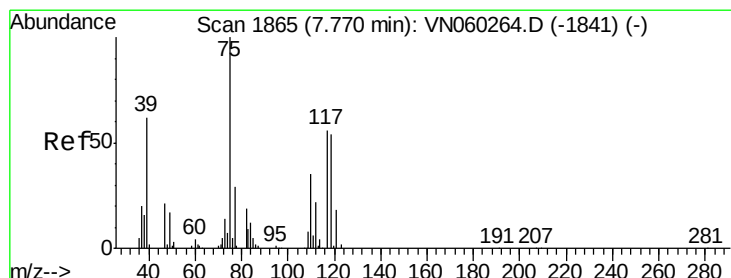
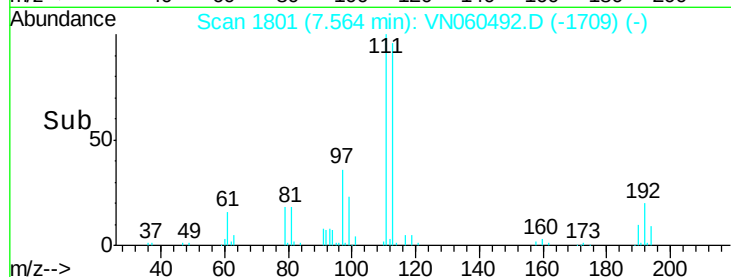
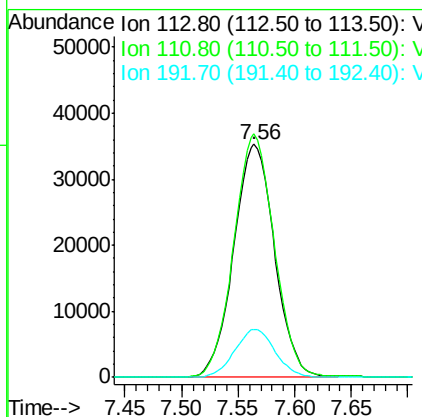
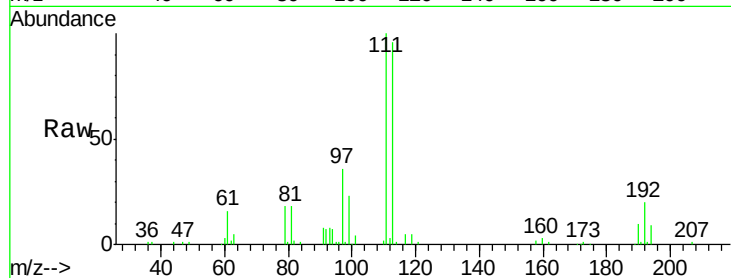
#35
Dibromofluoromethane
Concen: 61.310 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	20.3	16.2	24.2

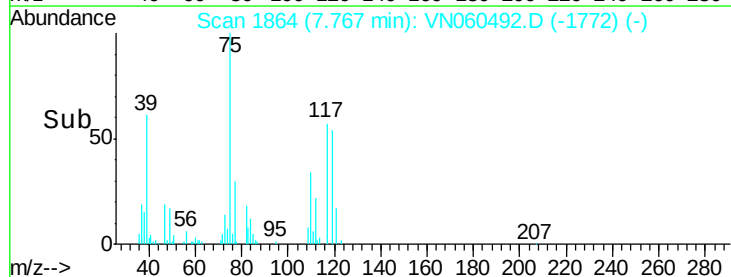
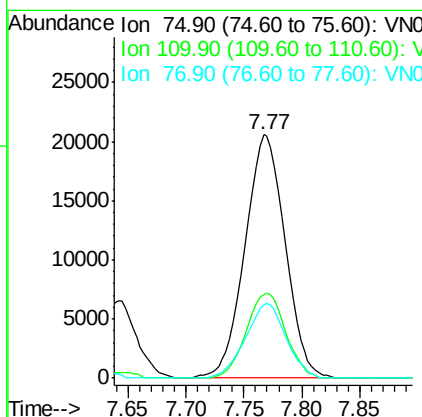
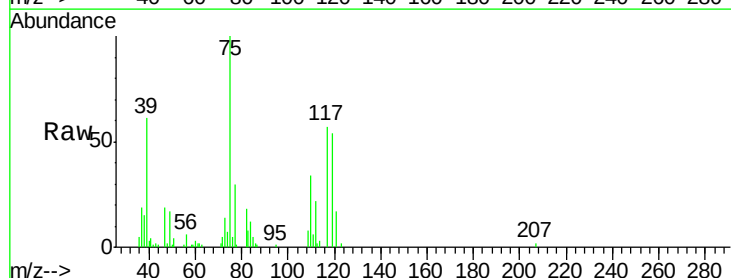
Manual Integrations
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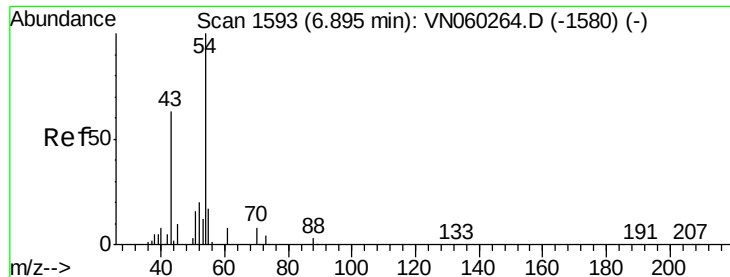
MMDadoda
3/16/2020 2:04:48 PM



#36
1,1-Dichloropropene
Concen: 16.700 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	30.7	24.2	36.2





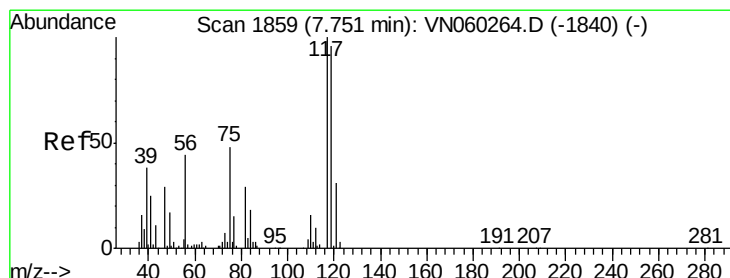
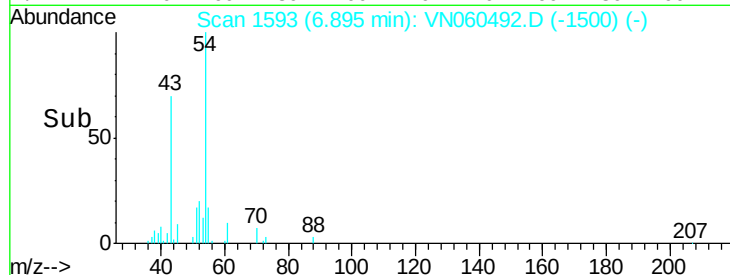
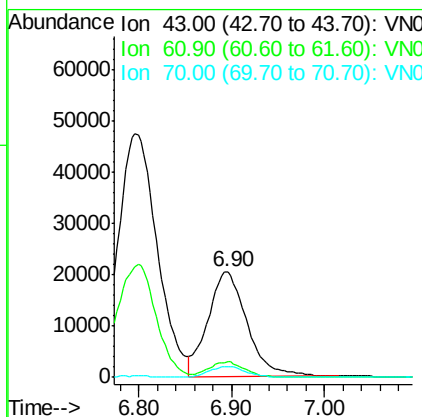
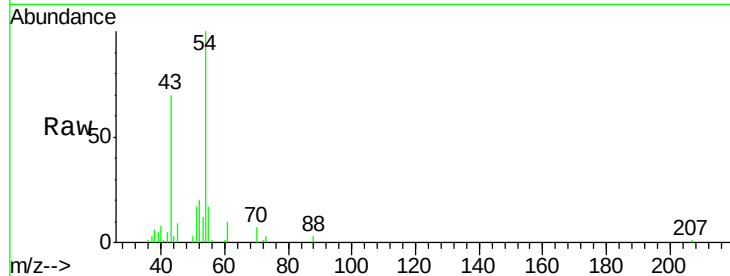
#37
Ethyl Acetate
Concen: 21.267 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.8	8.4	12.6

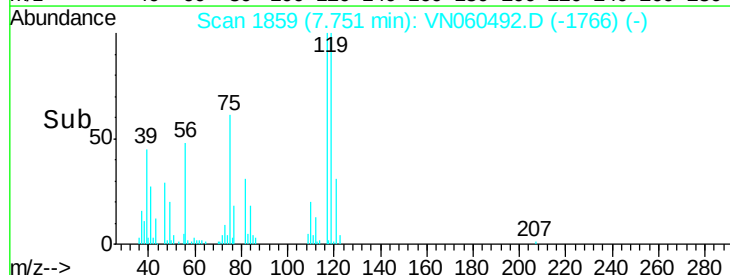
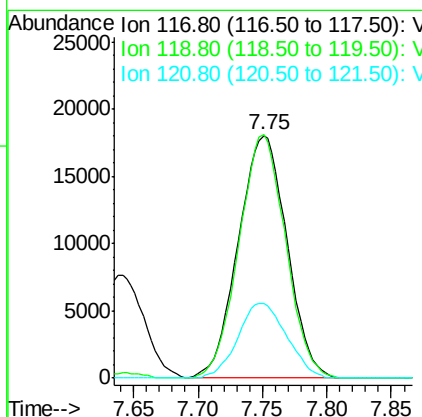
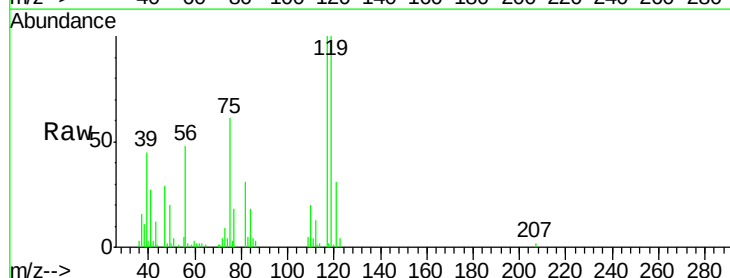
Manual Integrations
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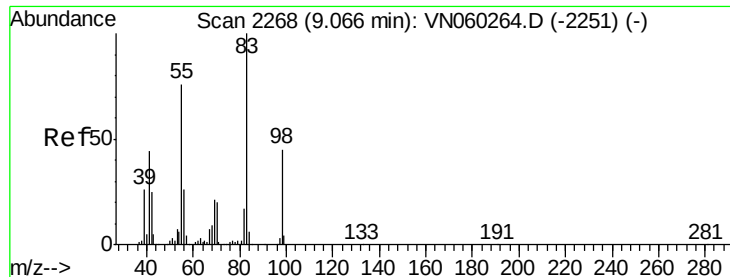
MMDadoda
3/16/2020 2:04:48 PM



#38
Carbon Tetrachloride
Concen: 16.333 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	76.7	115.1
121	30.8	24.5	36.7





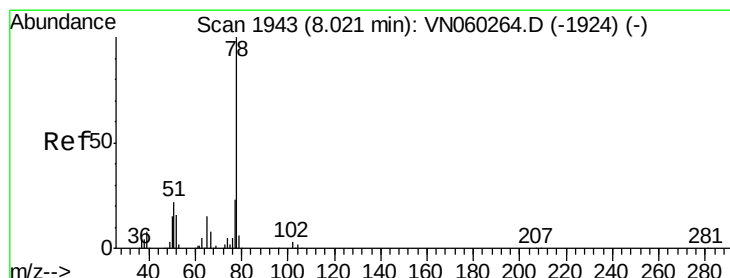
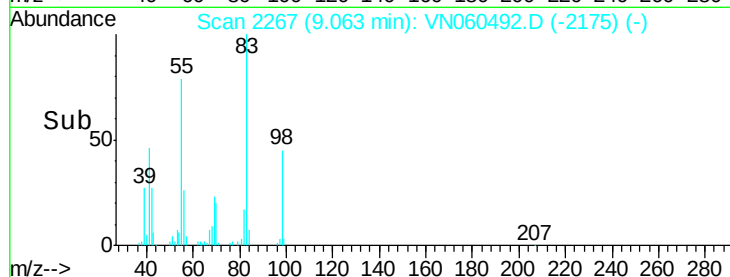
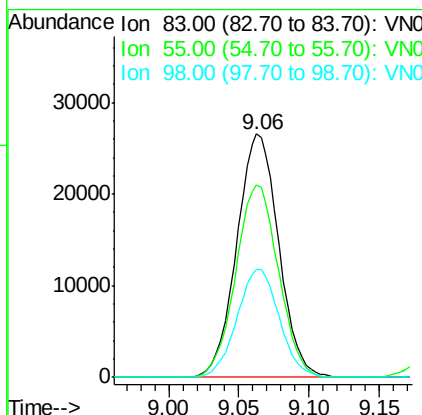
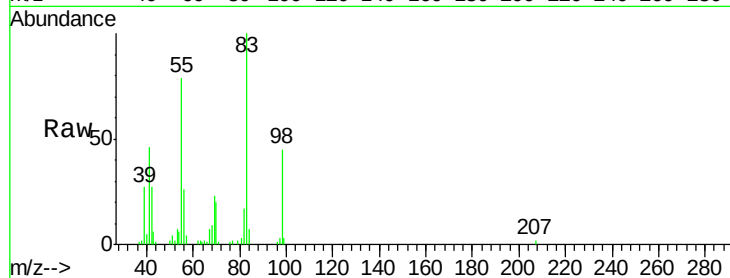
#39
Methylvlcyclohexane
Concen: 15.716 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.0	91.4
98	44.6	36.1	54.1

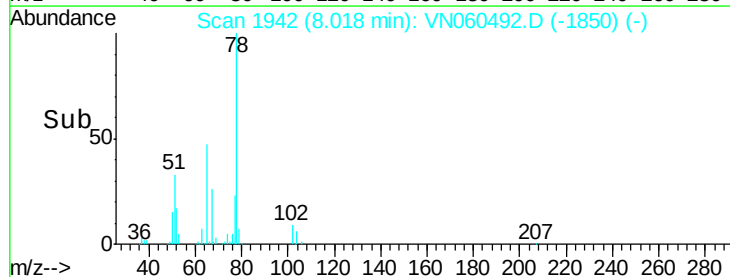
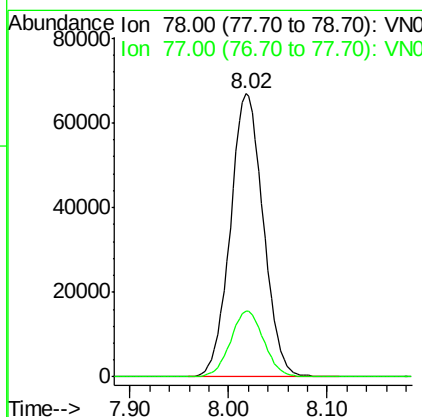
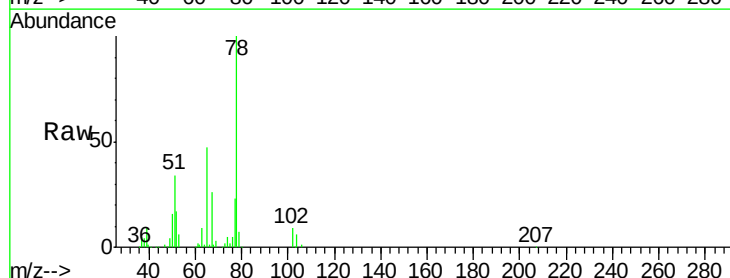
Manual Integrations
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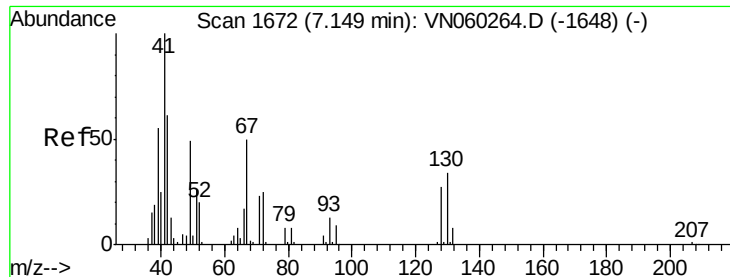
MMDadoda
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#40
Benzene
Concen: 17.955 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





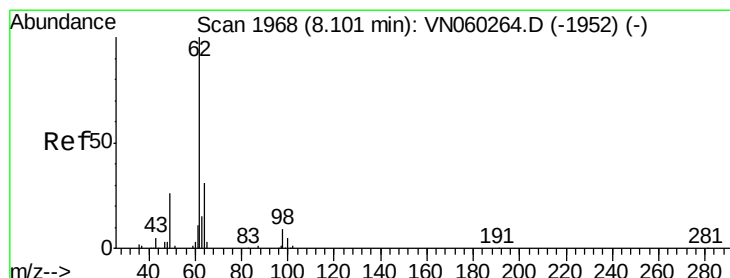
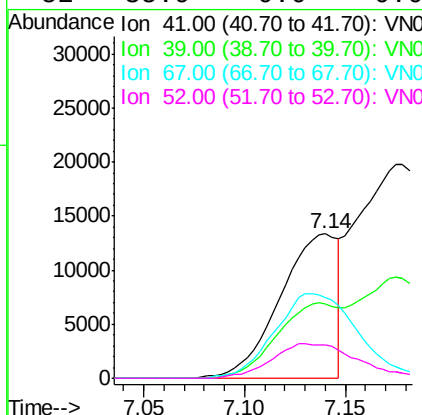
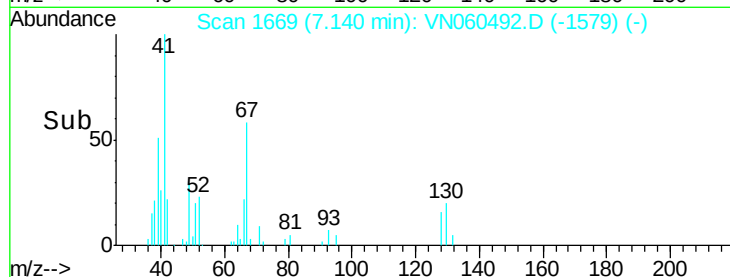
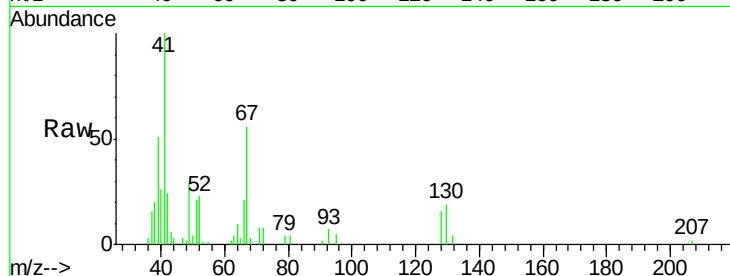
#41
Methacrylonitrile
Concen: 20.385 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	0.0	0.0#
67	84.6	0.0	0.0#
52	35.9	0.0	0.0#

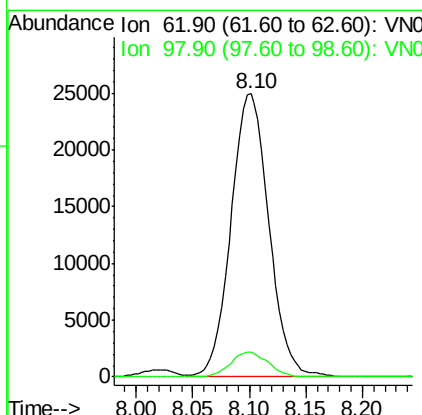
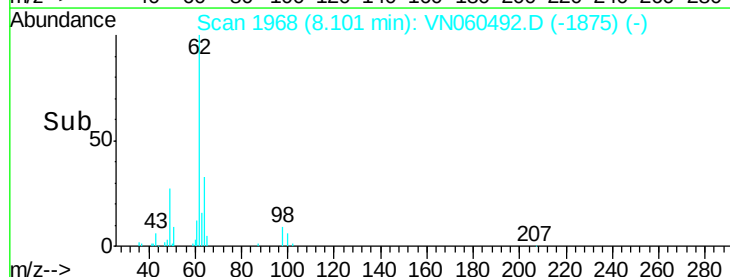
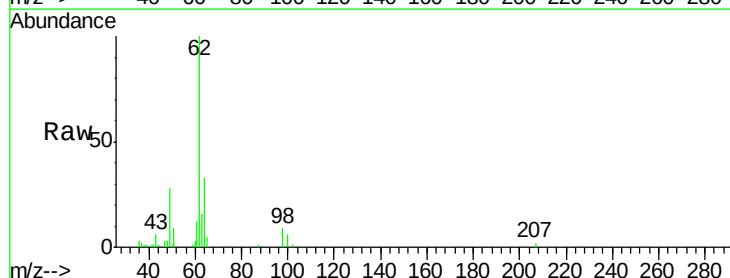
Manual Integrations
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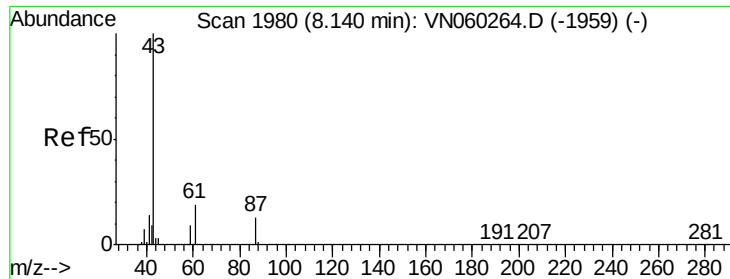
MMDadoda
3/16/2020 2:04:48 PM



#42
1,2-Dichloroethane
Concen: 18.610 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 20.192 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

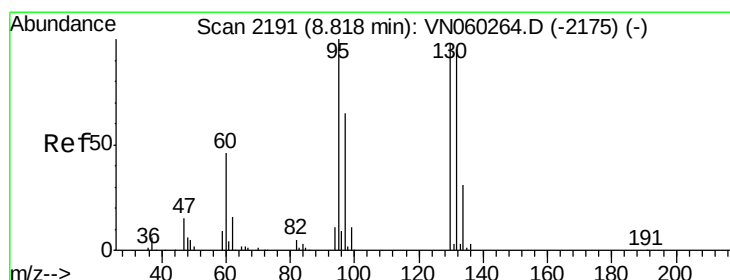
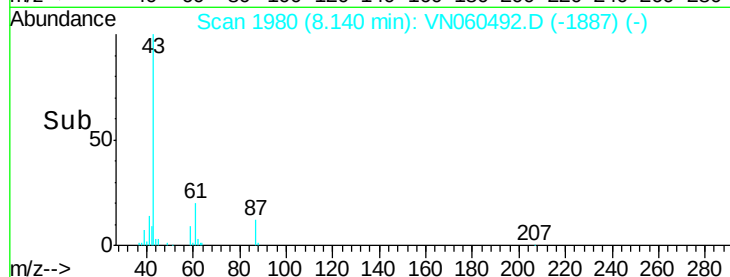
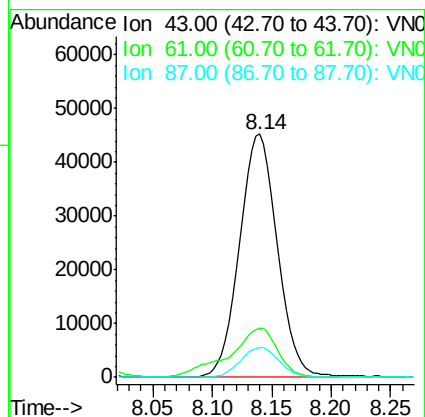
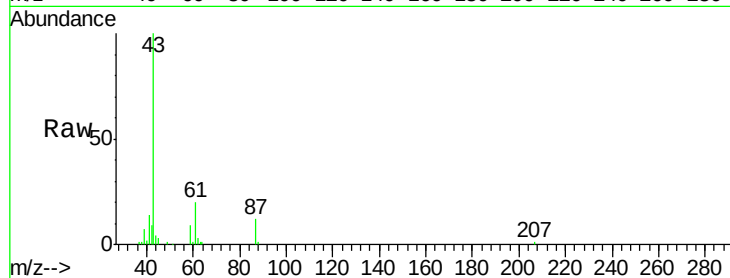
ClientSampleId :

VN0313MBS01

Tot Ion:	43	Resp:	99594
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.5	10.6	16.0

Manual Integrations
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3/16/2020 2:04:48 PM



#44

Trichloroethene

Concen: 16.889 ug/l

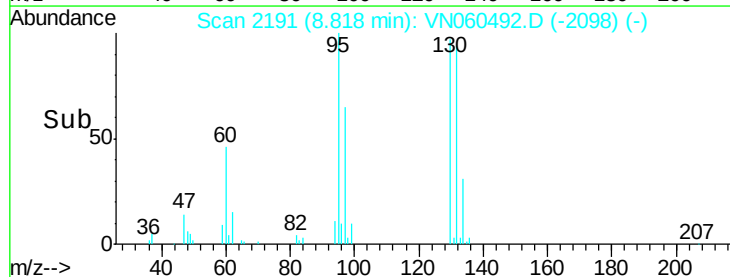
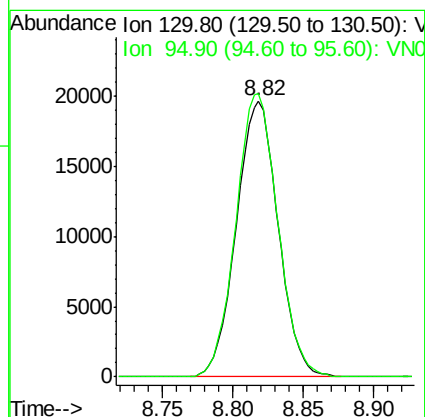
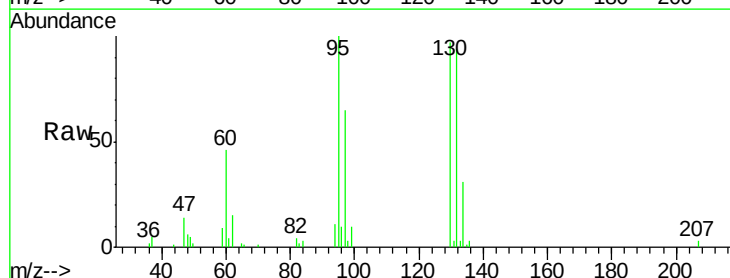
RT: 8.82 min Scan# 2191

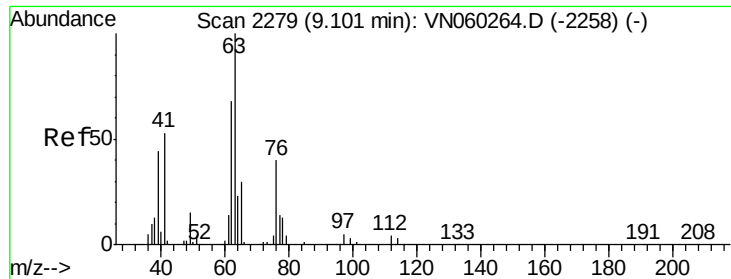
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	130	Resp:	40736
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.552 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 63 Resp: 44271

Ion Ratio Lower Upper

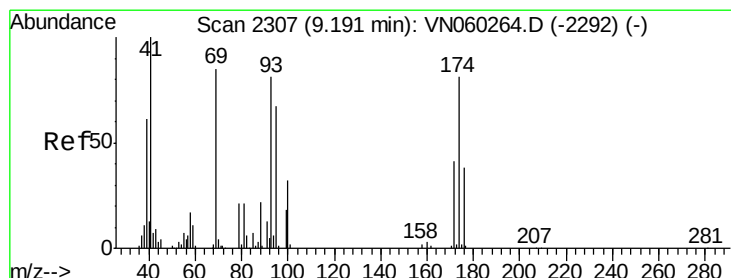
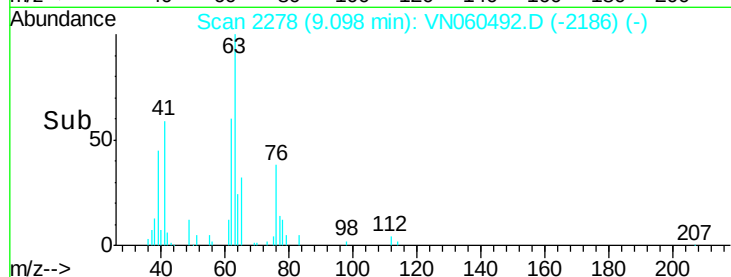
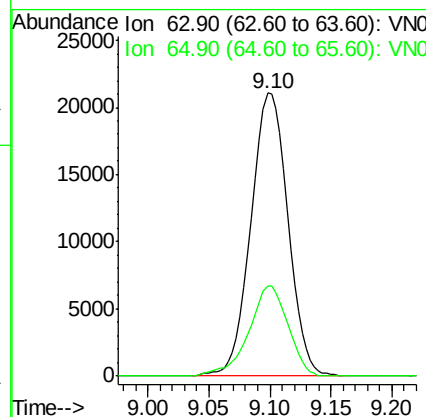
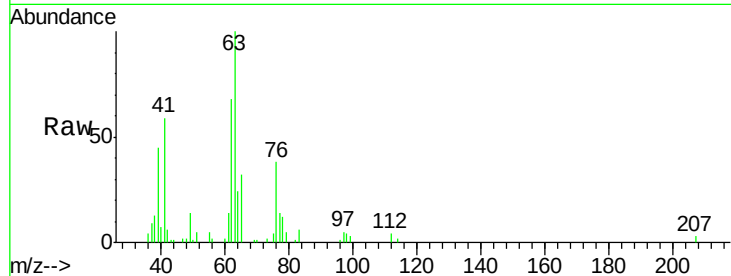
63 100

65 31.9 24.4 36.6

Manual Integrations
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MMDadoda

3/16/2020 2:04:48 PM



#46

Dibromomethane

Concen: 18.870 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

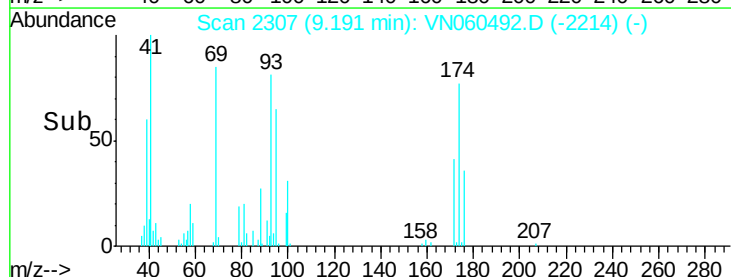
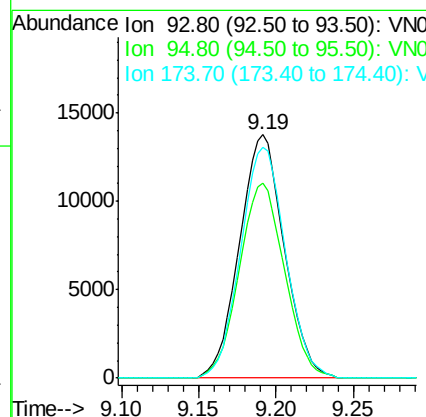
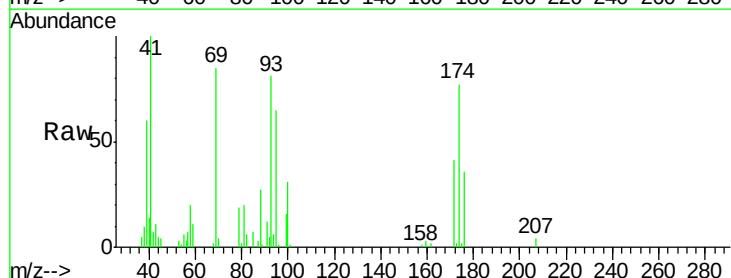
Tgt Ion: 93 Resp: 27723

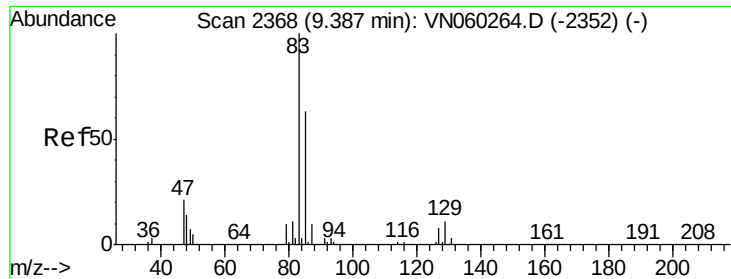
Ion Ratio Lower Upper

93 100

95 80.8 65.9 98.9

174 95.3 79.6 119.4





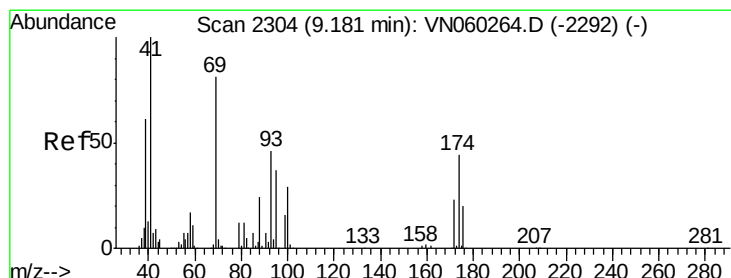
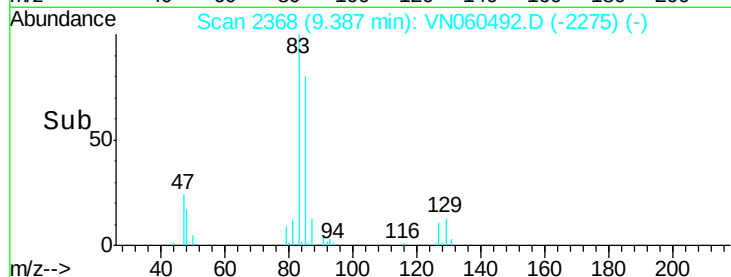
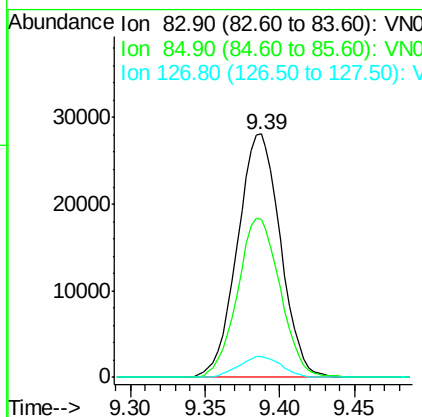
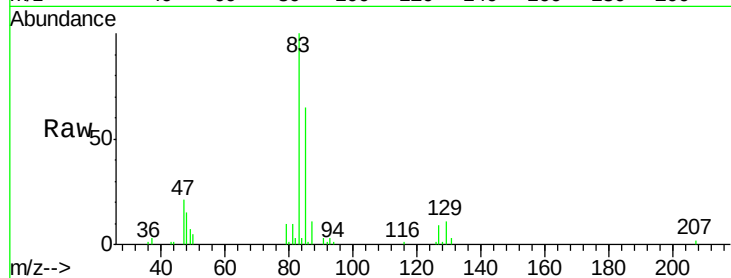
#47
Bromodichloromethane
Concen: 18.784 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	83	Resp	56127
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.7	76.1
127	8.6	6.8	10.2

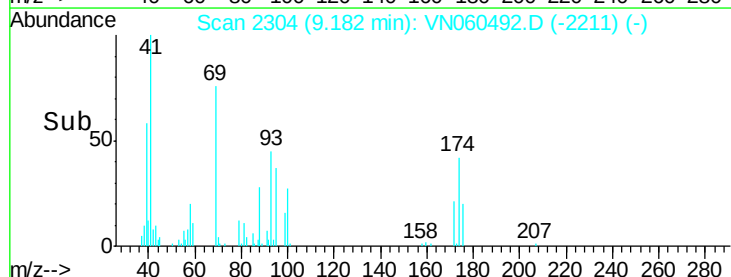
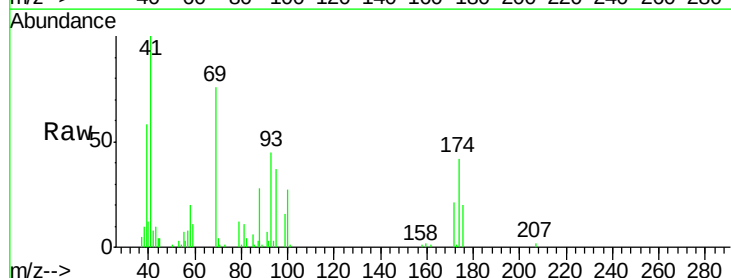
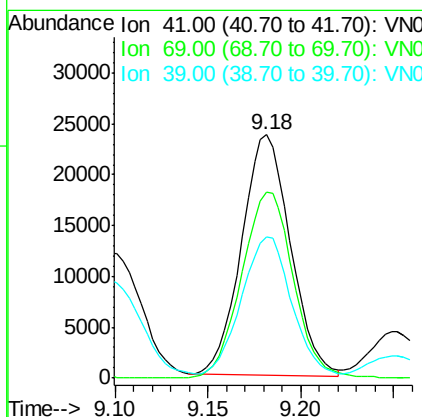
Manual Integrations
APPROVED

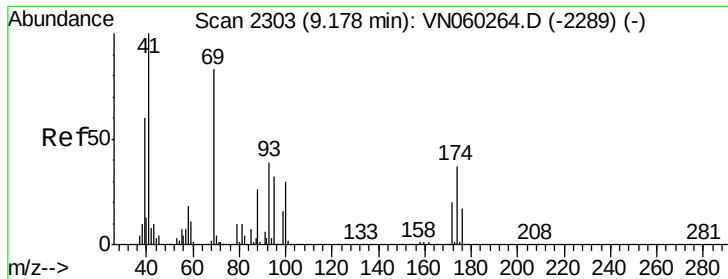
MMDadoda
3/16/2020 2:04:48 PM



#48
Methyl methacrylate
Concen: 19.298 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	41	Resp	43405
Ion Ratio	100	Lower	Upper
41	100		
69	81.9	66.7	100.1
39	62.0	50.1	75.1





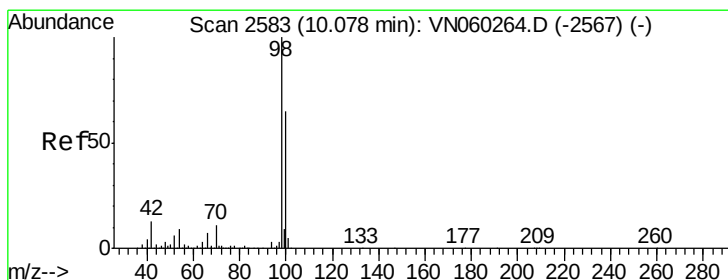
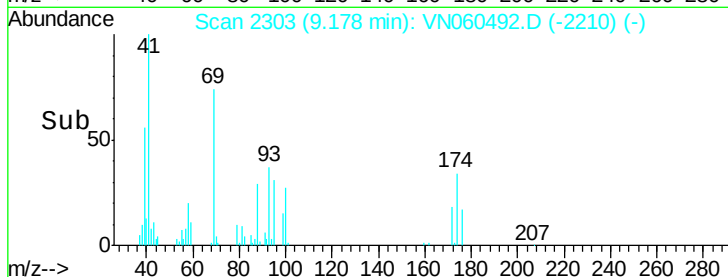
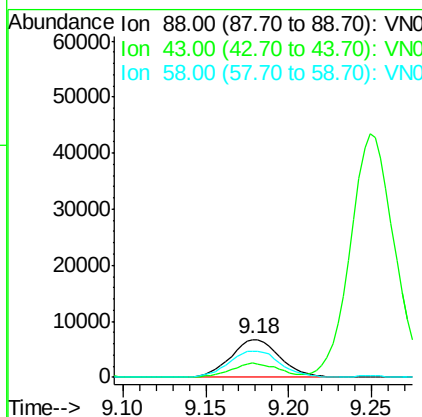
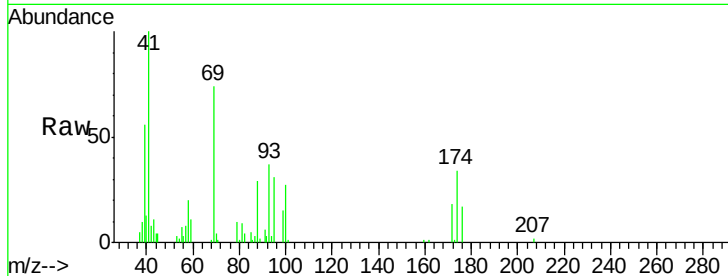
#49
1,4-Dioxane
Concen: 438.702 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	30.4	45.6
58	73.0	57.0	85.6

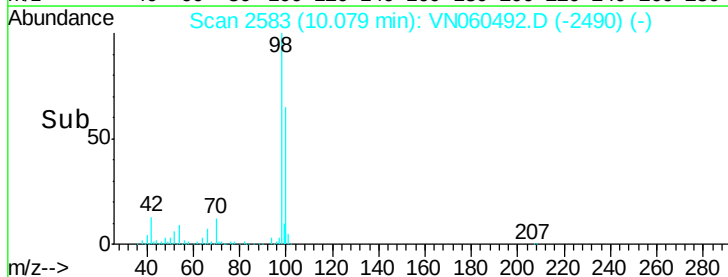
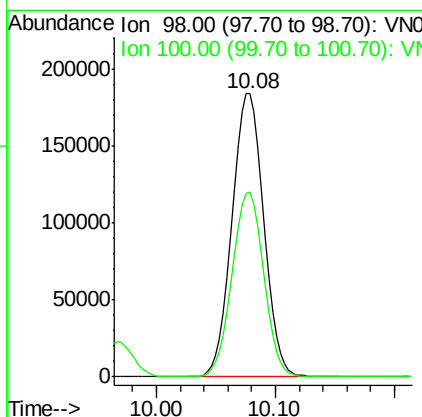
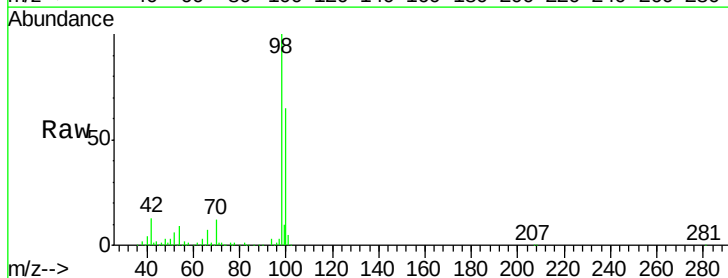
Manual Integrations
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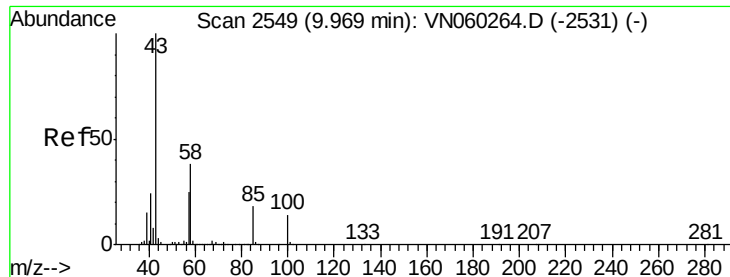
MMDadoda
3/16/2020 2:04:48 PM



#50
Toluene-d8
Concen: 46.442 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 106.584 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 43 Resp: 298064

Ion Ratio Lower Upper

43 100

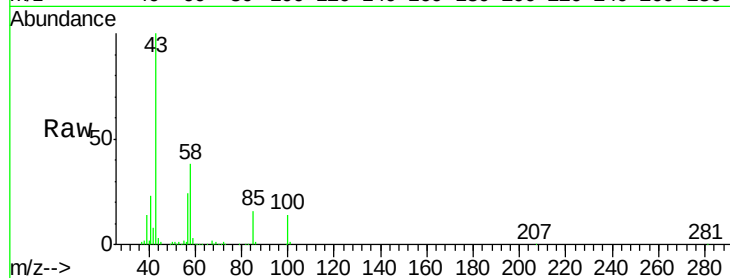
58 38.4 30.9 46.3

Manual Integrations

APPROVED

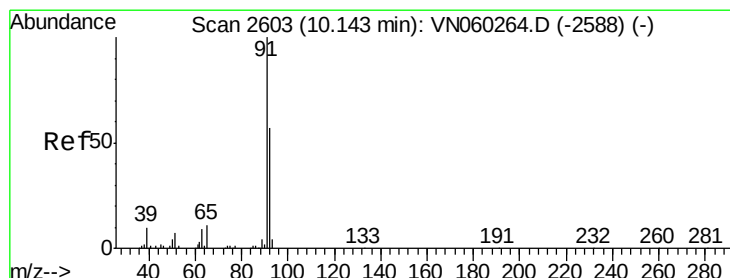
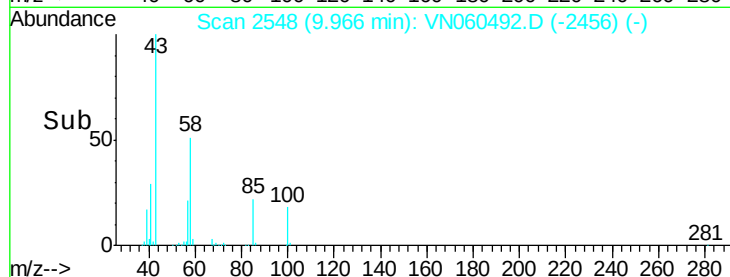
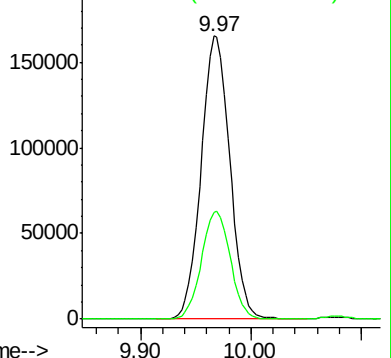
MMDadoda

3/16/2020 2:04:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.548 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060492.D

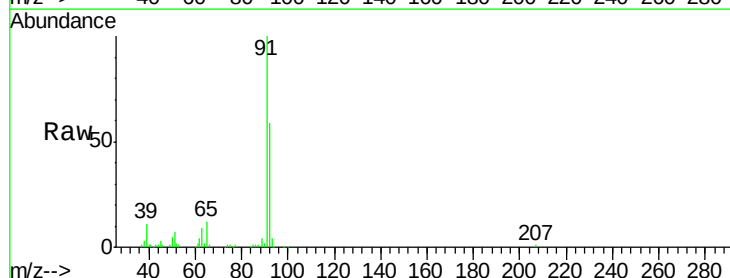
Acq: 13 Mar 2020 11:17

Tgt Ion: 92 Resp: 95459

Ion Ratio Lower Upper

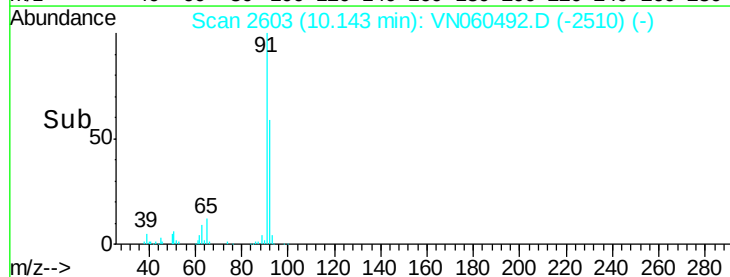
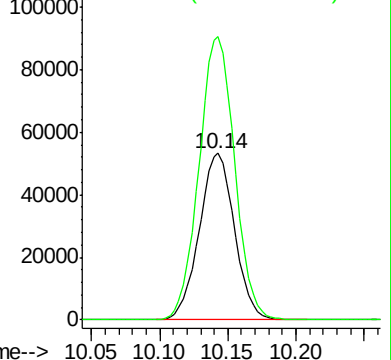
92 100

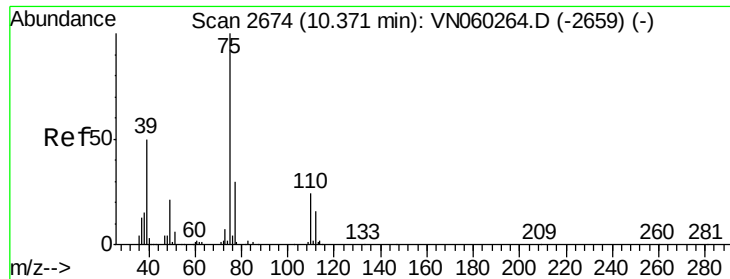
91 172.1 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





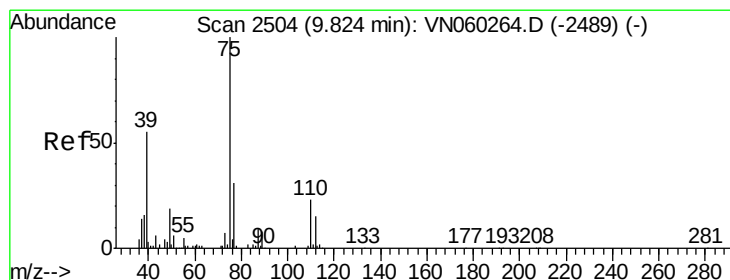
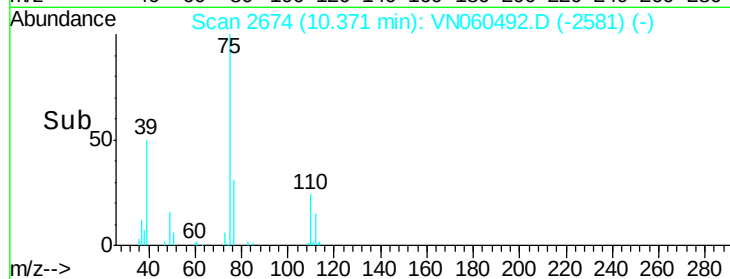
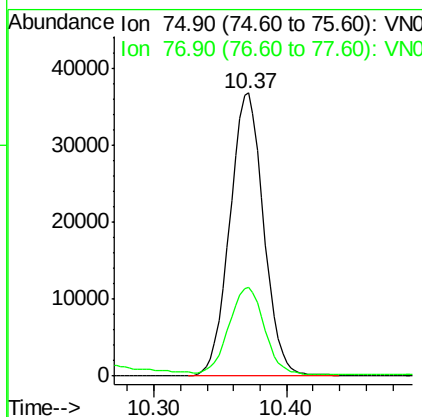
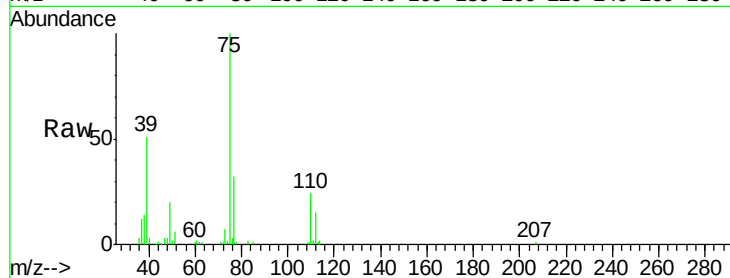
#53
t-1,3-Dichloropropene
Concen: 17.832 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2

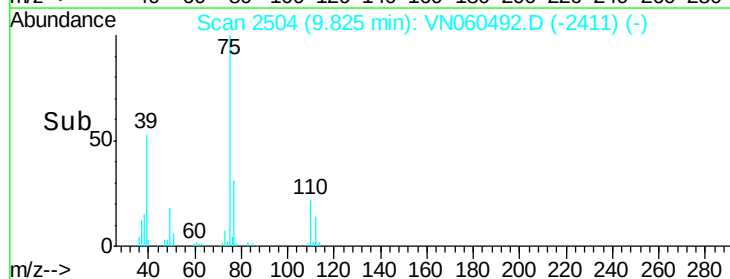
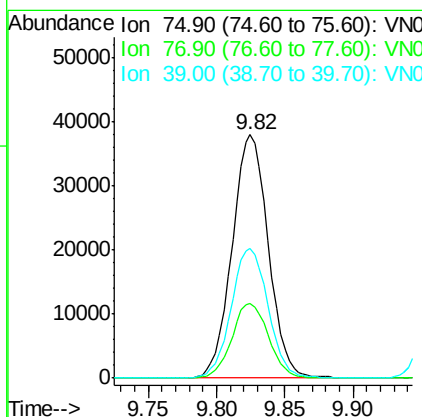
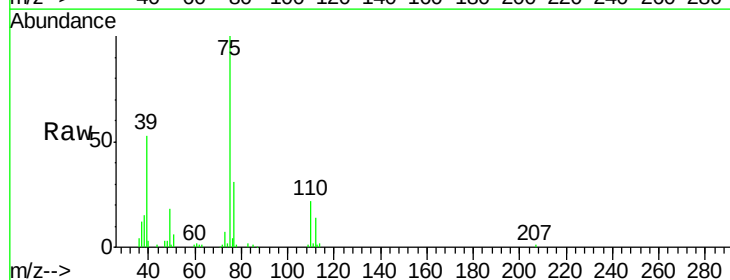
Manual Integrations
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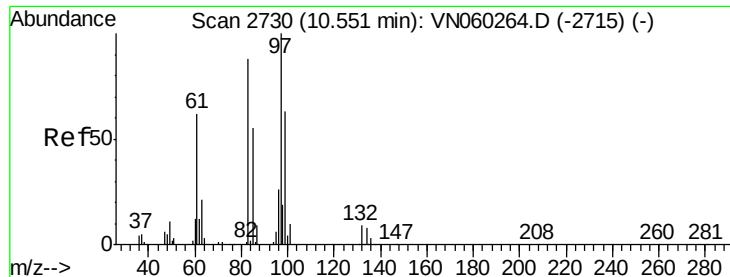
MMDadoda
3/16/2020 2:04:48 PM



#54
cis-1,3-Dichloropropene
Concen: 18.421 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
39	53.3	43.8	65.8





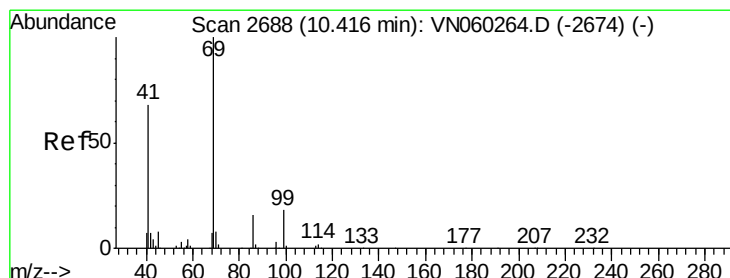
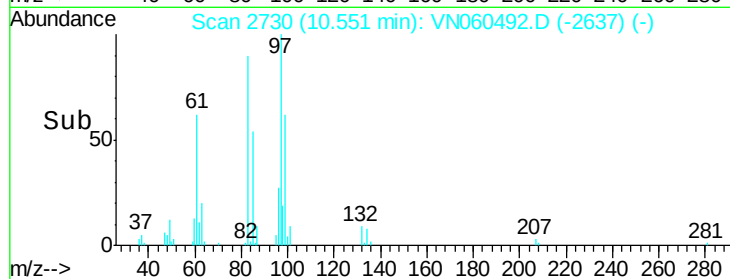
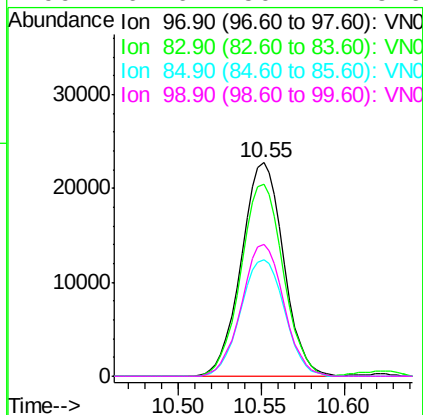
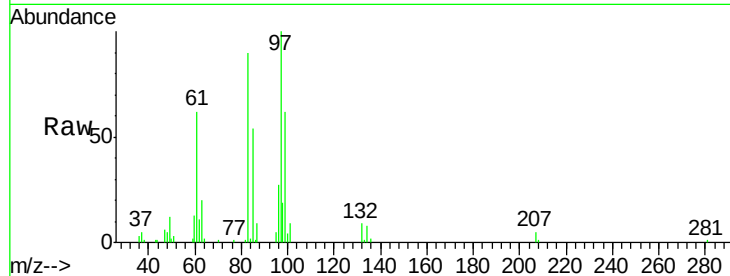
#55
 1,1,2-Trichloroethane
 Concen: 18.474 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion:	97	Resp:	40414
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.0	105.0
85	54.5	44.0	66.0
99	61.6	50.4	75.6

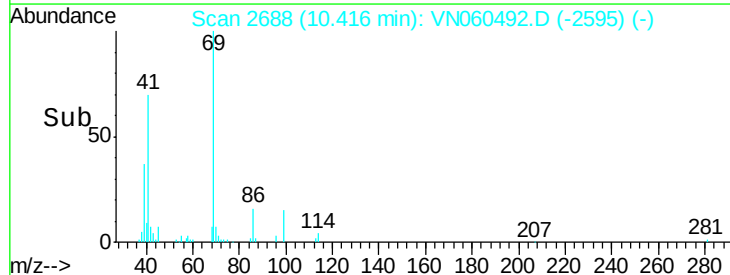
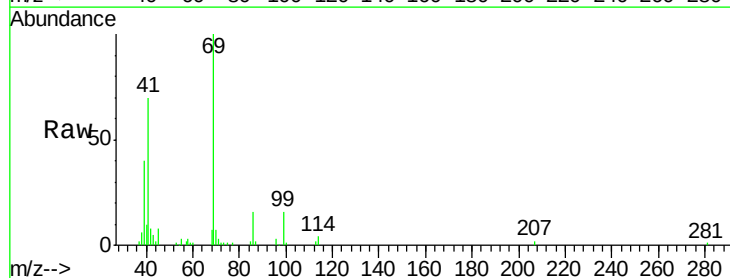
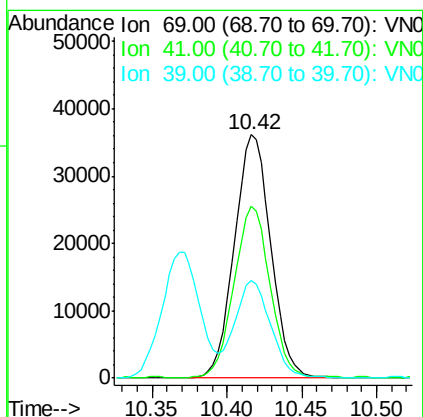
Manual Integrations
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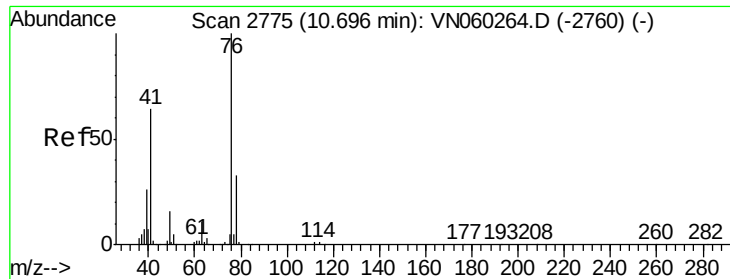
MMDadoda
 3/16/2020 2:04:48 PM



#56
 Ethyl methacrylate
 Concen: 19.501 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion:	69	Resp:	61289
Ion	Ratio	Lower	Upper
69	100		
41	70.2	54.1	81.1
39	39.8	32.5	48.7





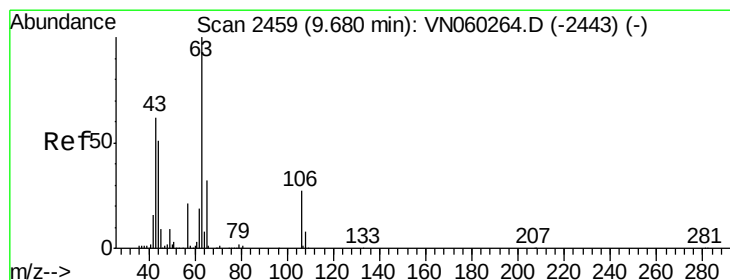
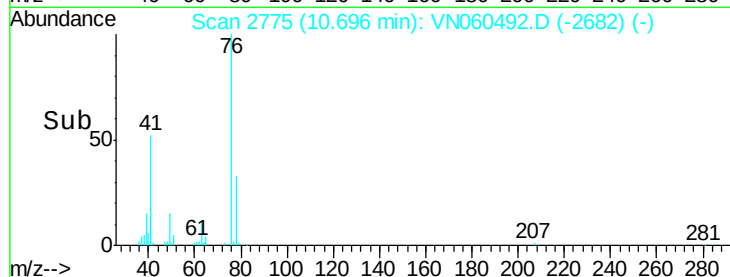
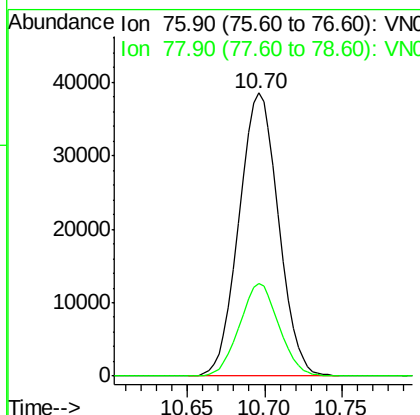
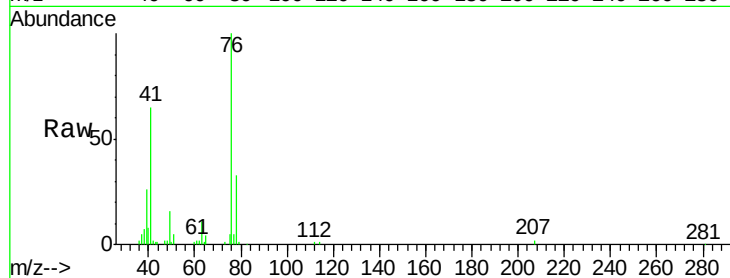
#57
 1,3-Dichloropropane
 Concen: 19.227 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2

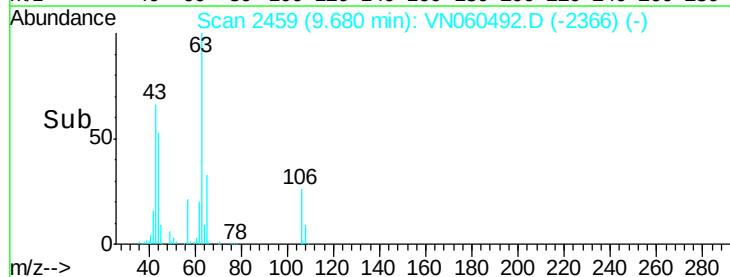
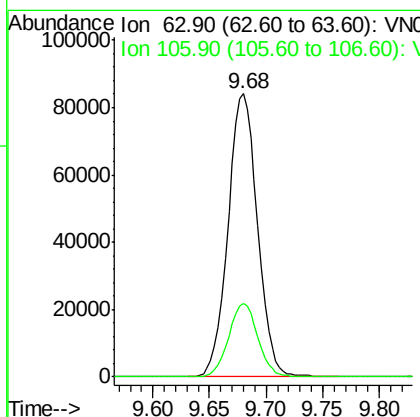
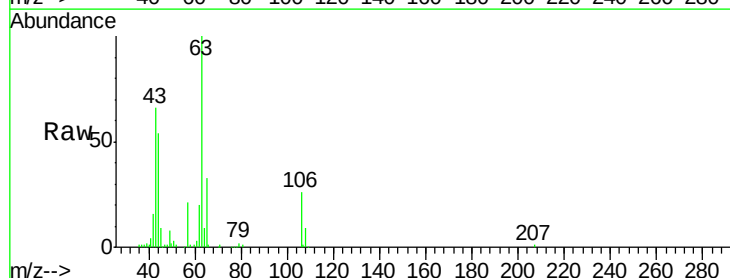
Manual Integrations
 APPROVED

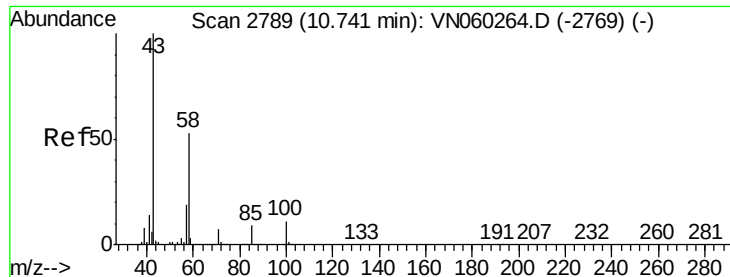
MMDadoda
 3/16/2020 2:04:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.651 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.1	31.7





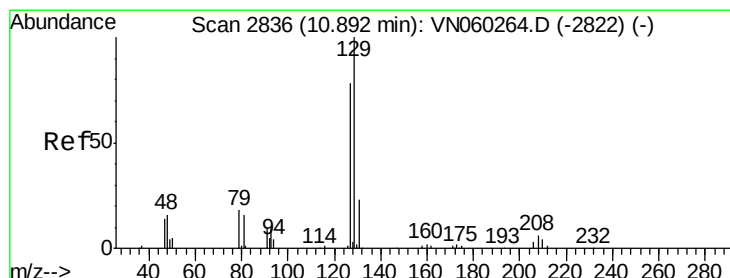
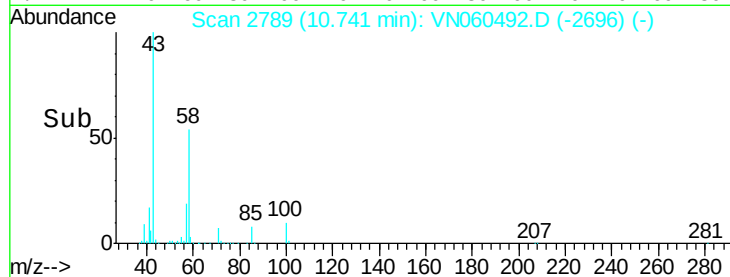
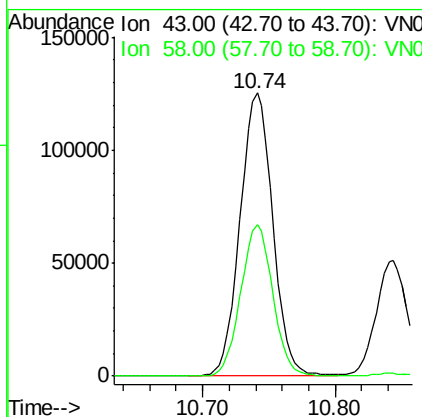
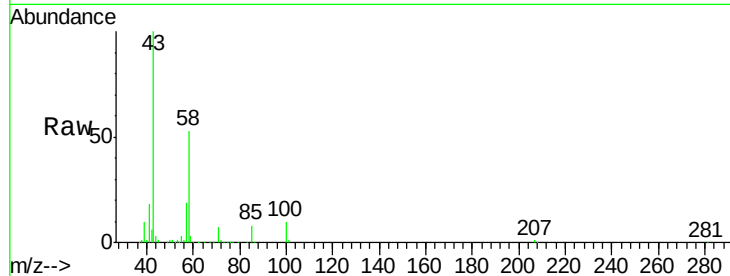
#59
2-Hexanone
Concen: 104.230 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.5	79.5

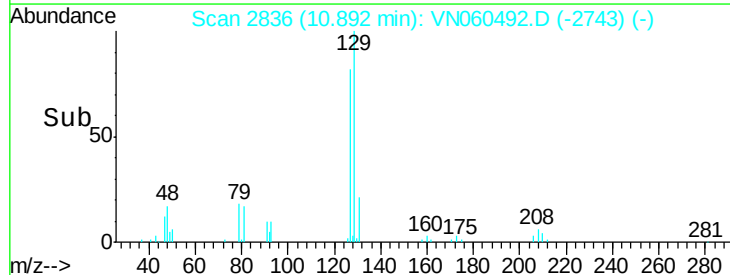
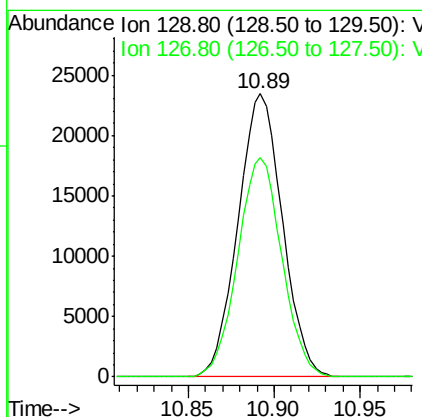
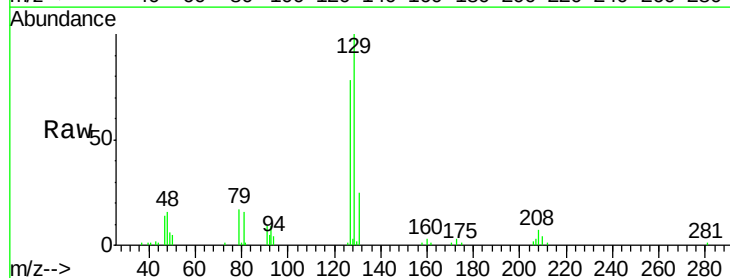
Manual Integrations
APPROVED

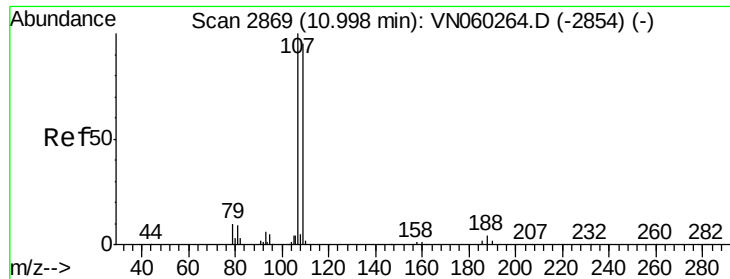
MMDadoda
3/16/2020 2:04:48 PM



#60
Dibromochloromethane
Concen: 18.929 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





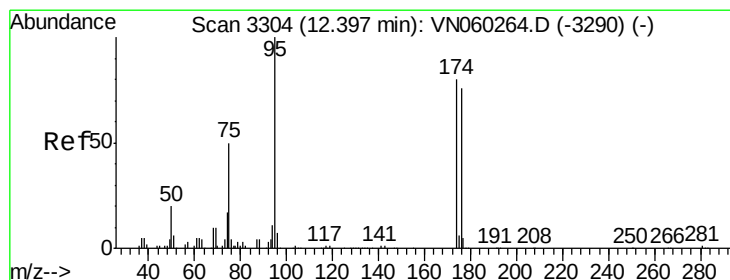
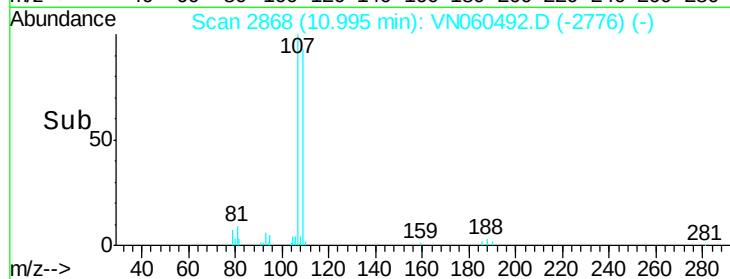
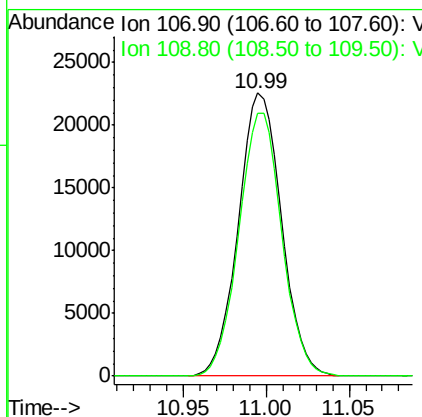
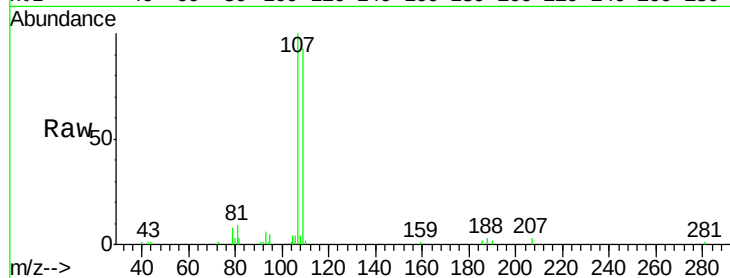
#61
 1,2-Dibromoethane
 Concen: 19.157 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.8	115.2

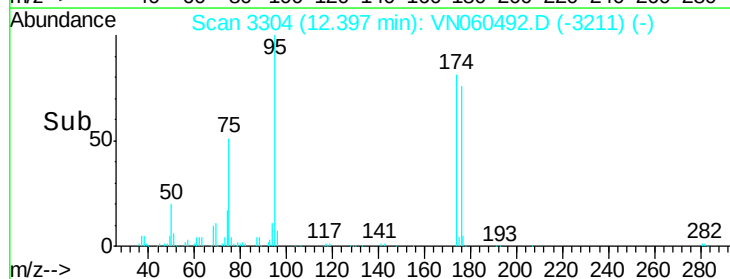
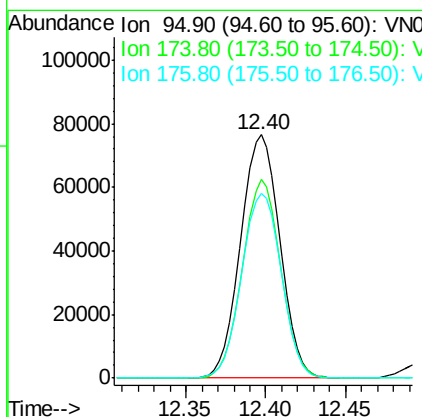
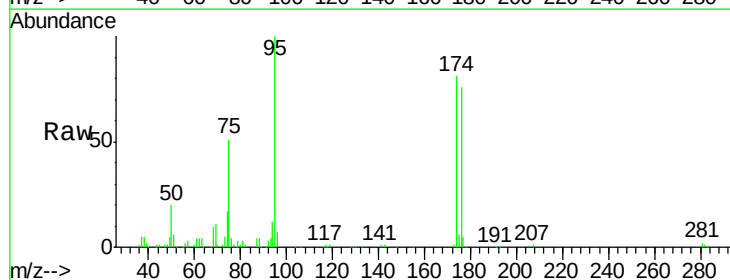
Manual Integrations
 APPROVED

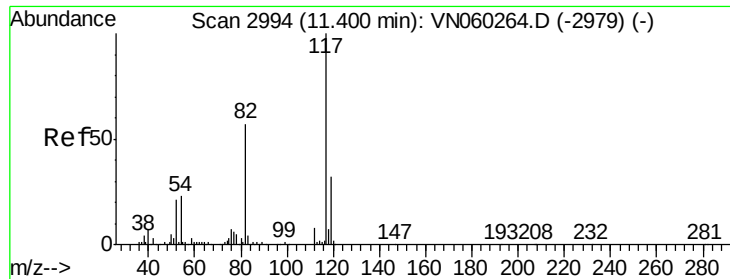
MMDadoda
 3/16/2020 2:04:48 PM



#62
 4-Bromofluorobenzene
 Concen: 46.122 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	159.2
176	76.7	0.0	153.8





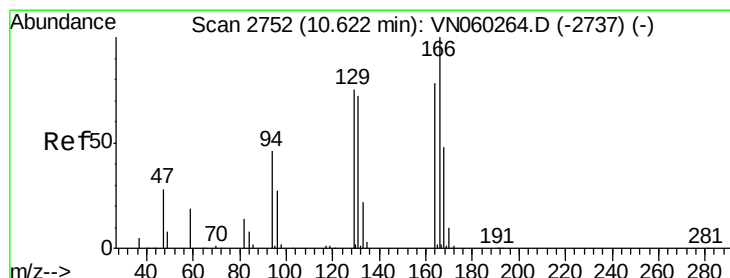
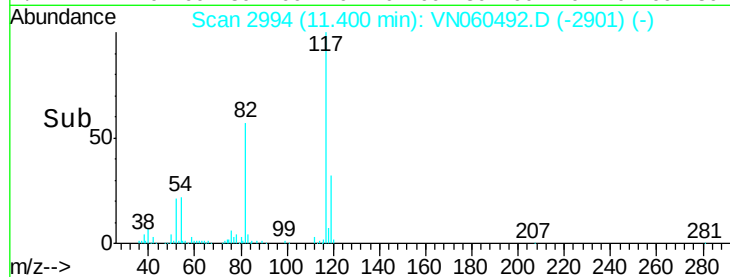
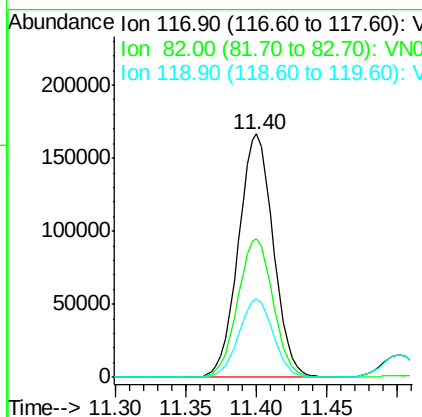
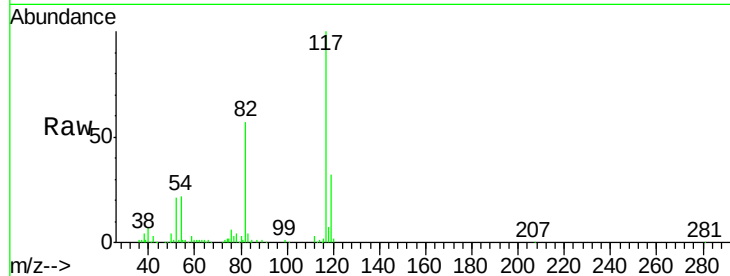
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288423		
82	56.9	45.8	68.6	
119	32.3	25.8	38.8	

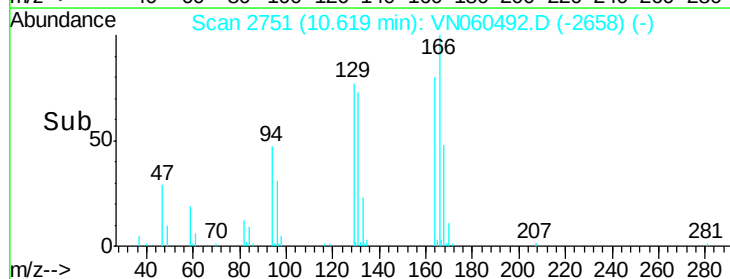
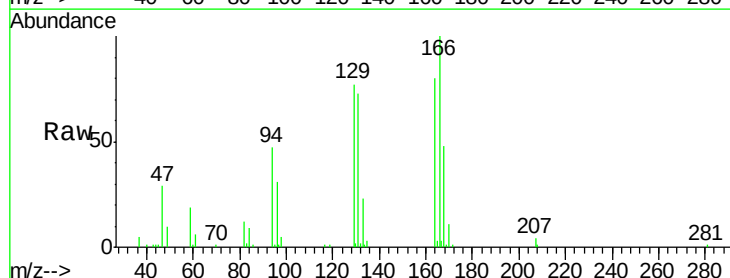
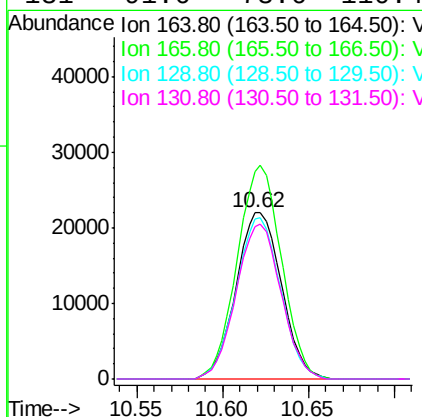
Manual Integrations
APPROVED

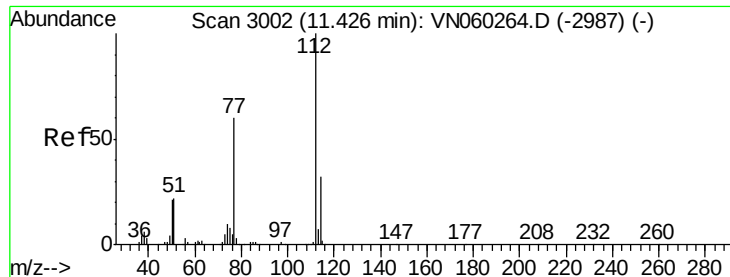
MMDadoda
3/16/2020 2:04:48 PM



#64
Tetrachloroethene
Concen: 16.780 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40240		
166	125.0	102.0	153.0	
129	96.1	76.4	114.6	
131	91.6	73.6	110.4	





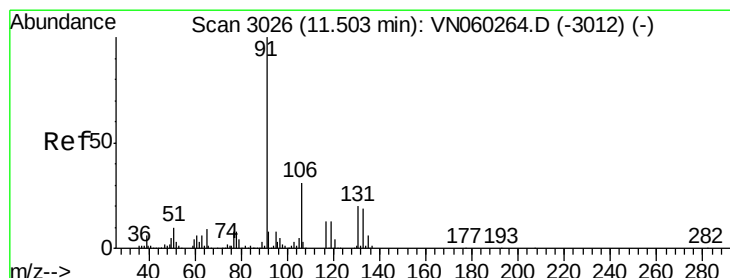
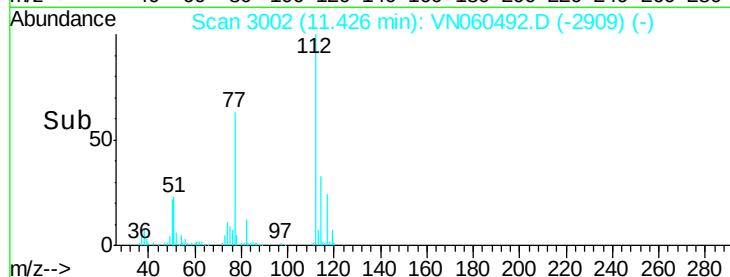
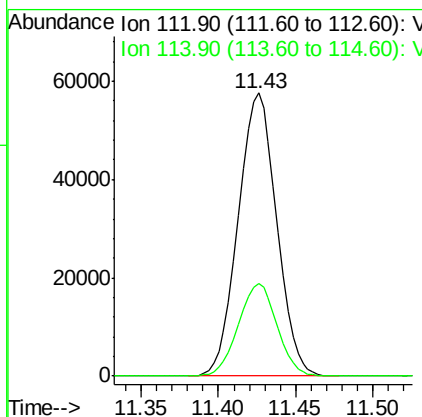
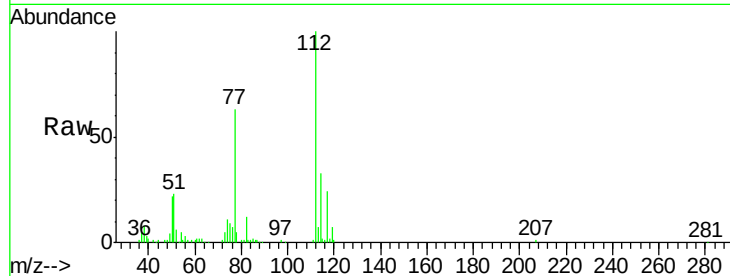
#65
Chlorobenzene
Concen: 17.127 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion:112 Resp: 99750
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

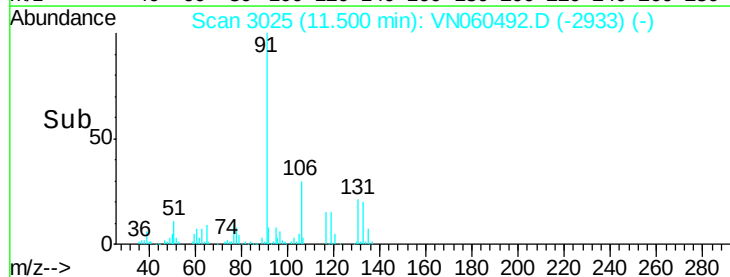
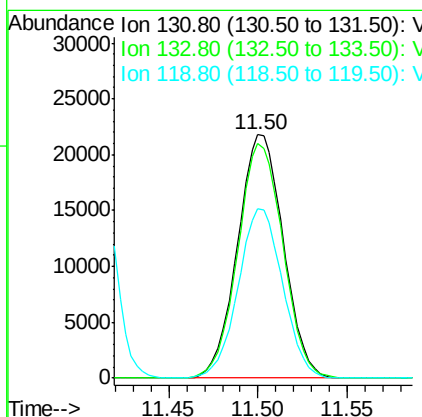
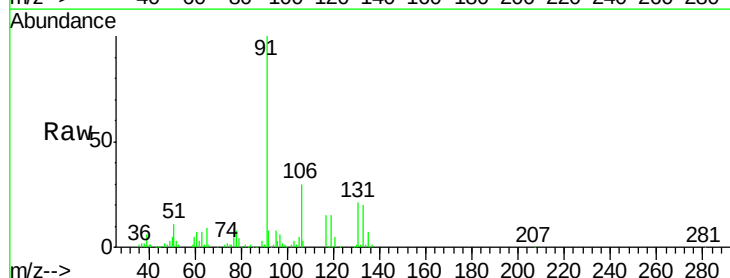
Manual Integrations
APPROVED

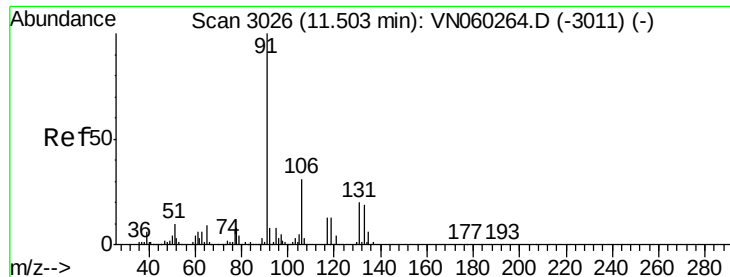
MMDadoda
3/16/2020 2:04:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.115 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:131 Resp: 39009
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 17.528 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0313MBS01

Tot Ion: 91 Resp: 185902

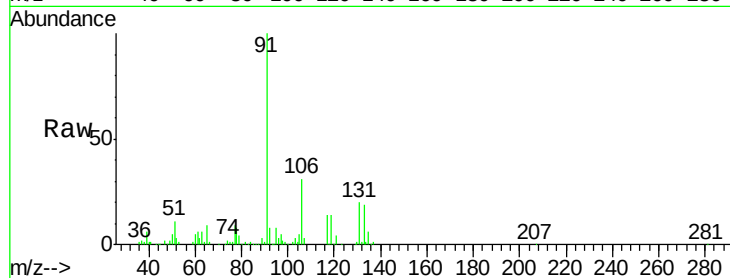
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1

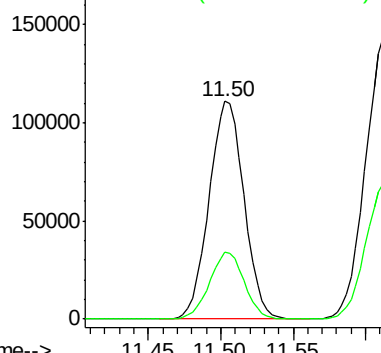
Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:04:48 PM

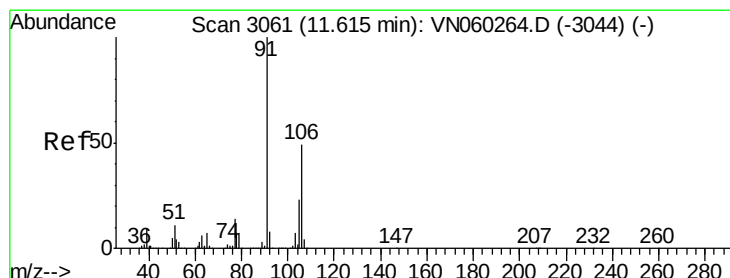
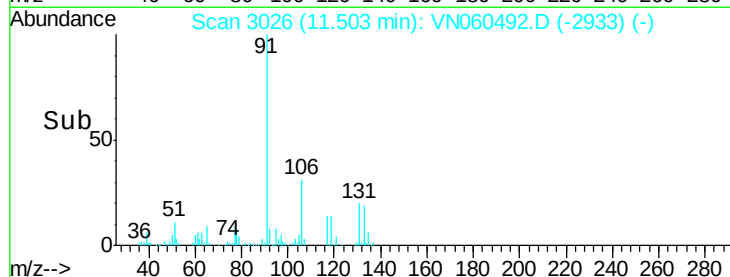


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 34.000 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060492.D

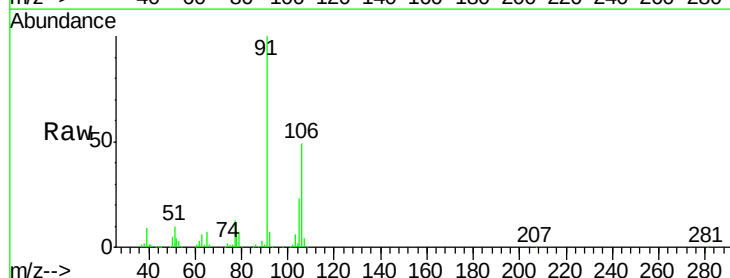
Acq: 13 Mar 2020 11:17

Tgt Ion: 106 Resp: 136054

Ion Ratio Lower Upper

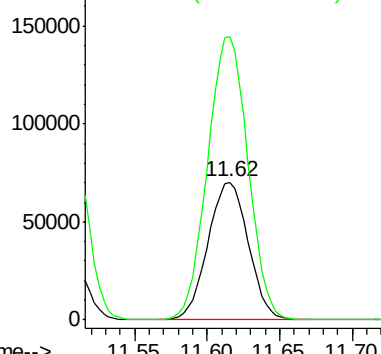
106 100

91 205.8 164.5 246.7

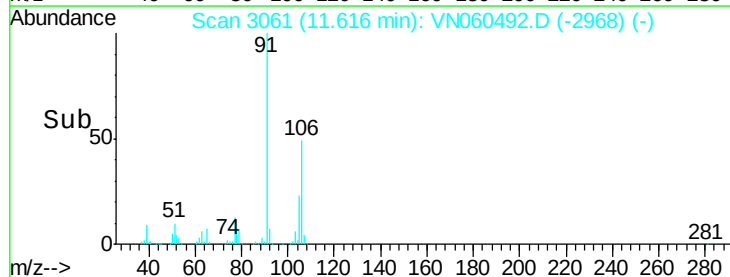


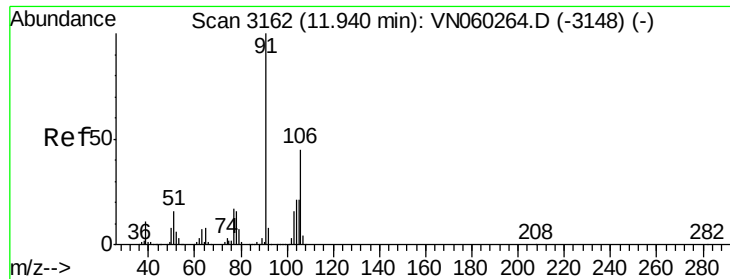
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



Time-->





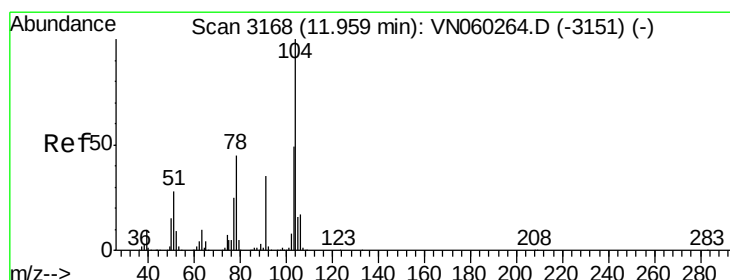
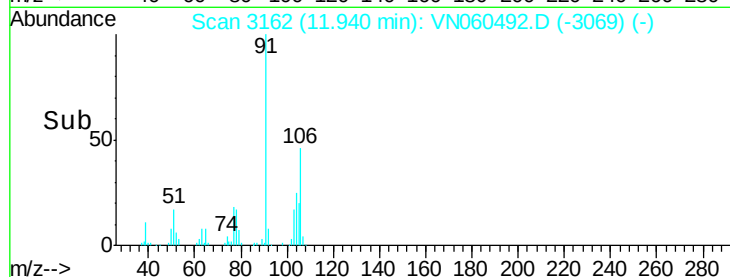
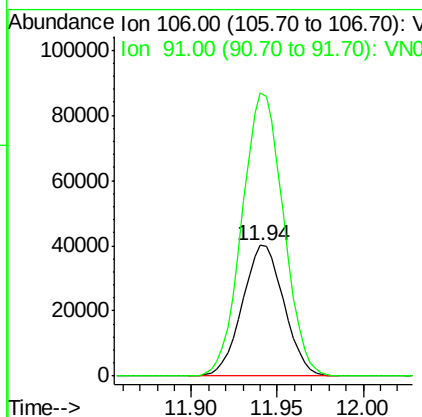
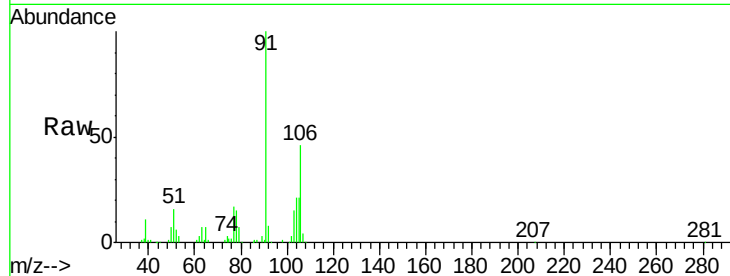
#69
o-Xylene
Concen: 17.633 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion:106 Resp: 67283
Ion Ratio Lower Upper
106 100
91 216.3 109.5 328.4

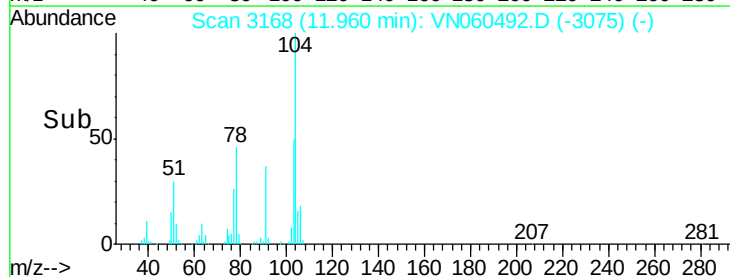
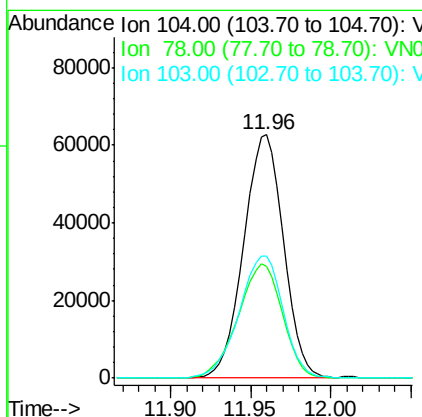
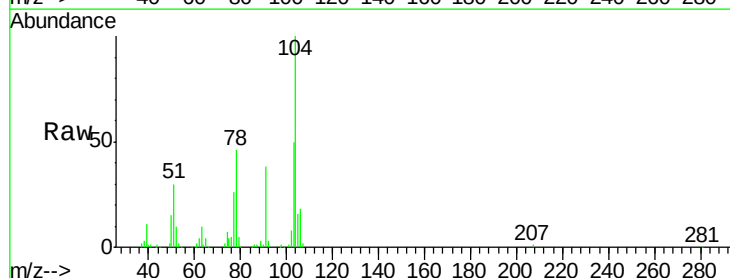
Manual Integrations
APPROVED

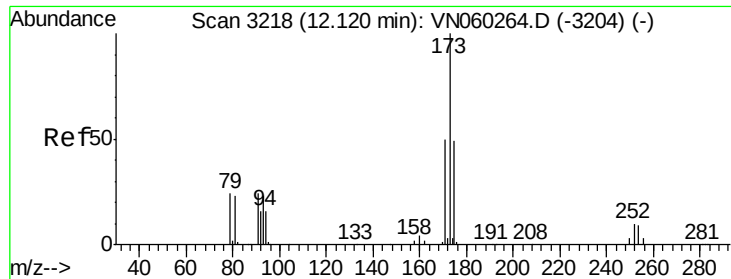
MMDadoda
3/16/2020 2:04:48 PM



#70
Styrene
Concen: 17.074 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:104 Resp: 107115
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.4 43.9 65.9





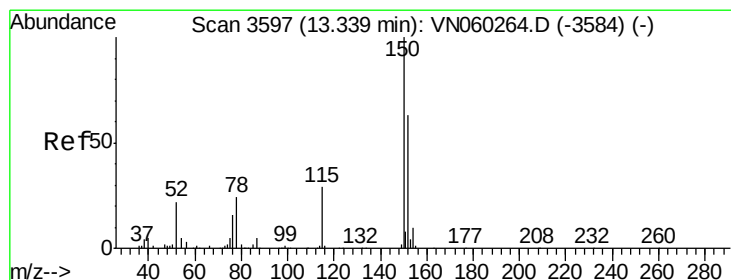
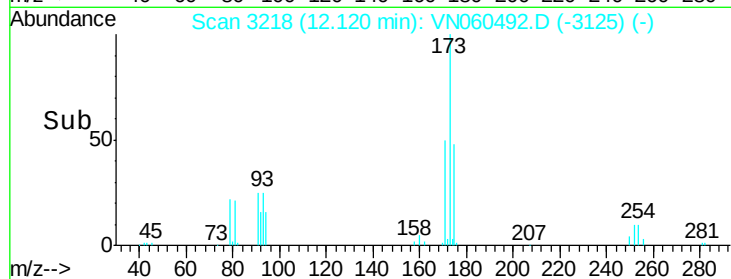
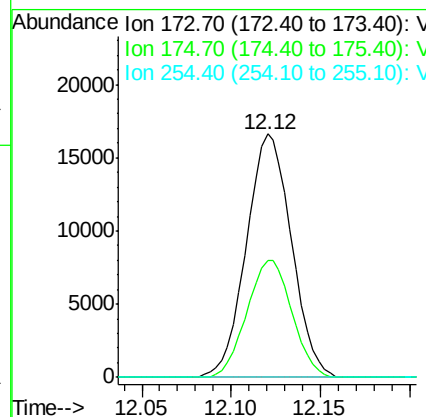
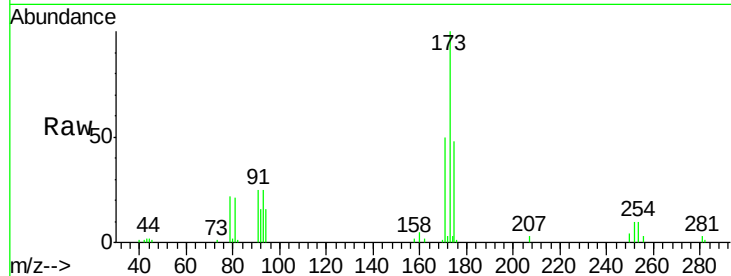
#71
Bromoform
Concen: 18.915 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

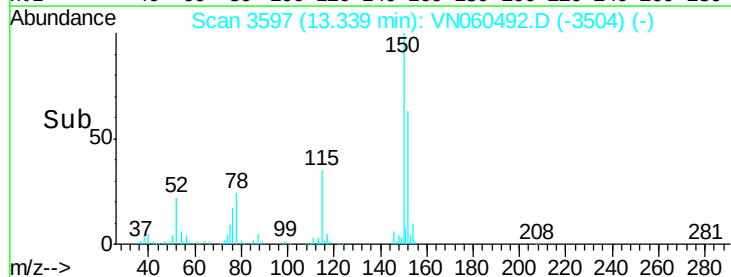
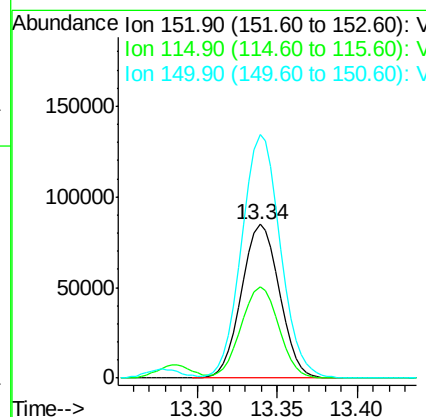
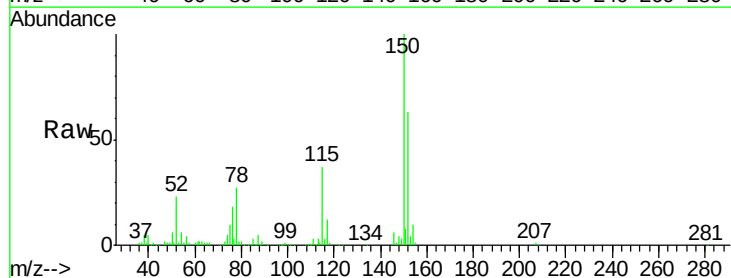
Manual Integrations
APPROVED

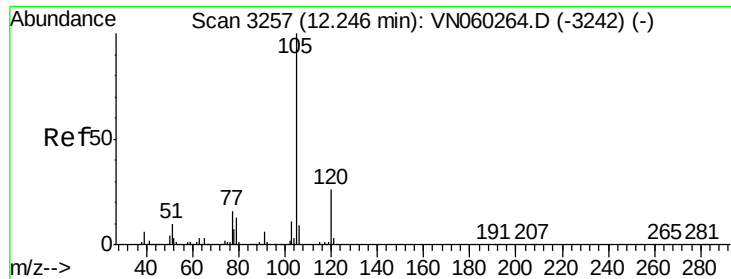
MMDadoda
3/16/2020 2:04:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.0	90.0
150	162.1	0.0	349.6





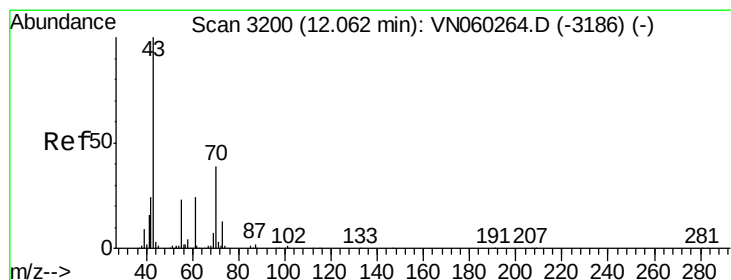
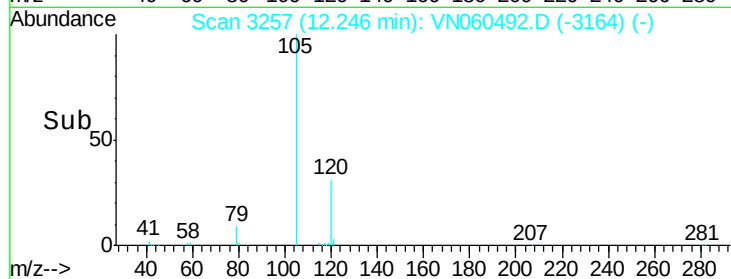
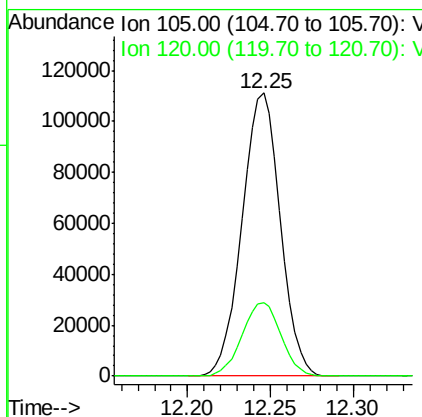
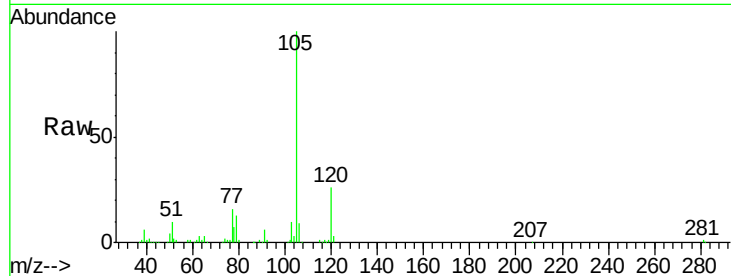
#73
Isopropylbenzene
Concen: 17.551 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

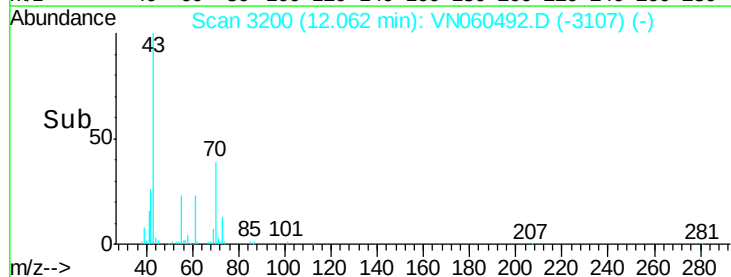
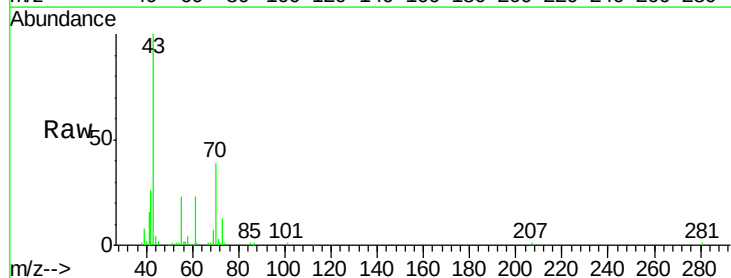
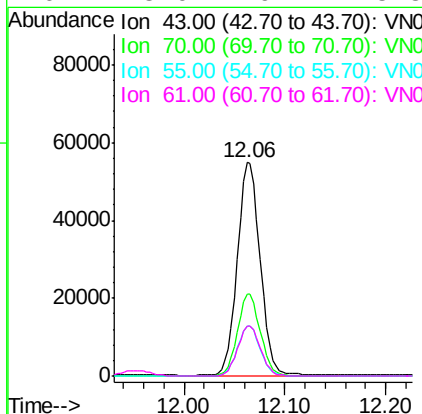
Manual Integrations
APPROVED

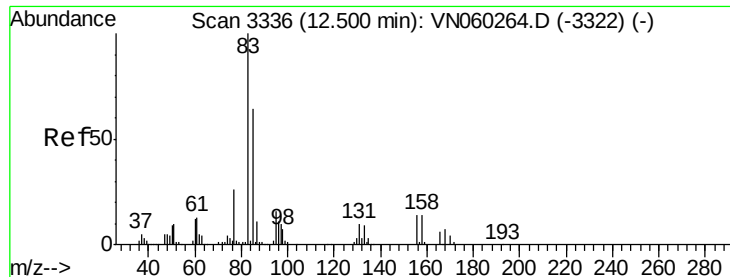
MMDadoda
3/16/2020 2:04:48 PM



#74
N-ethyl acetate
Concen: 19.618 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.6	32.2	48.2
55	23.0	18.2	27.4
61	23.0	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.972 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

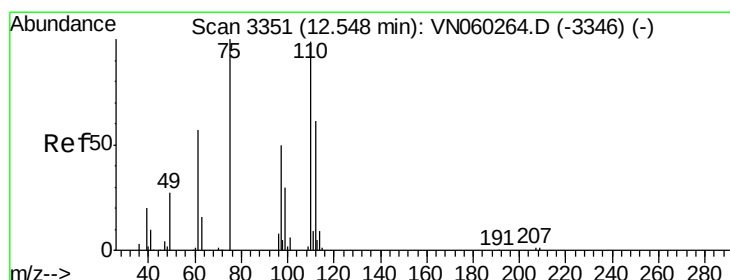
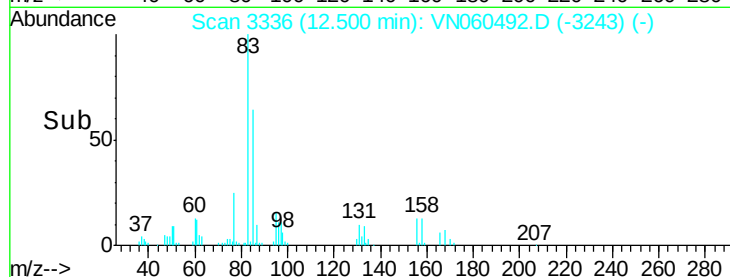
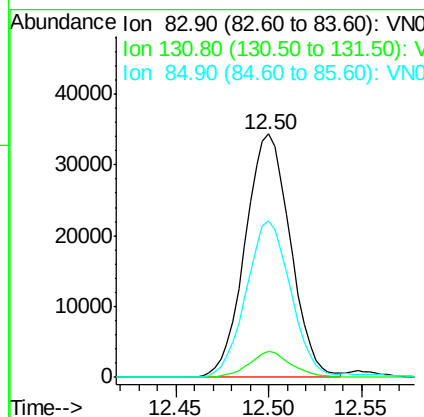
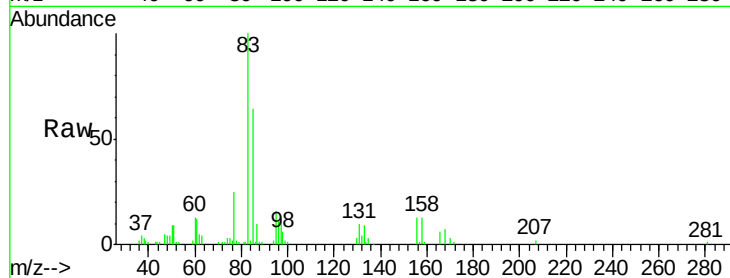
ClientSampleId :

VN0313MBS01

Tot Ion:	83	Resp:	58011
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	63.5	32.3	96.8

Manual Integrations
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3/16/2020 2:04:48 PM



#76

1,2,3-Trichloropropane

Concen: 18.019 ug/l m

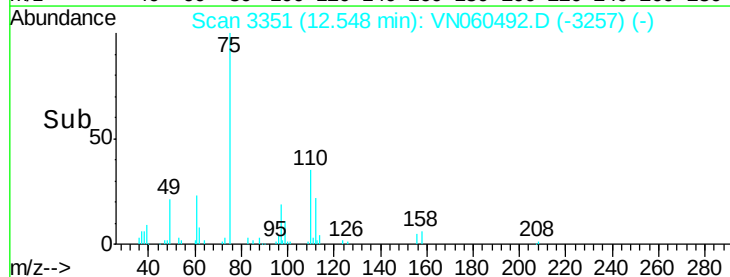
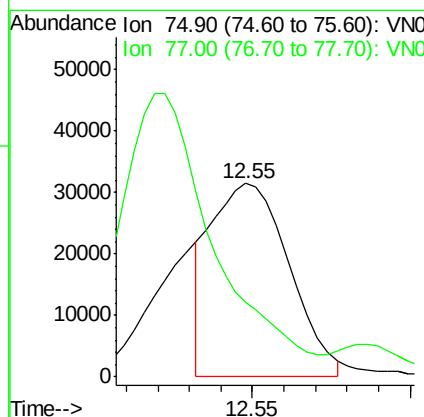
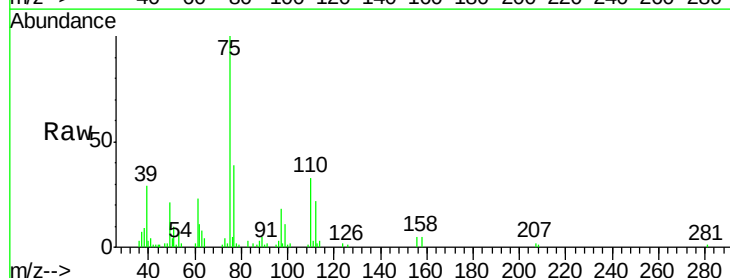
RT: 12.55 min Scan# 3351

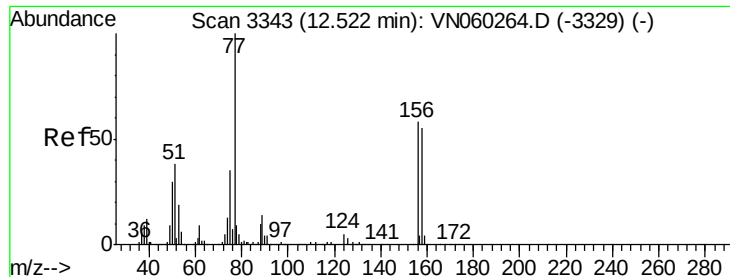
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	75	Resp:	54279
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.683 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

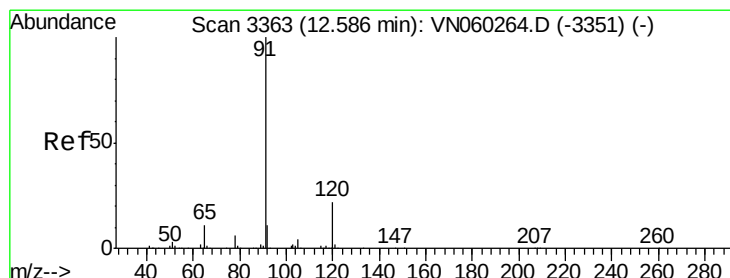
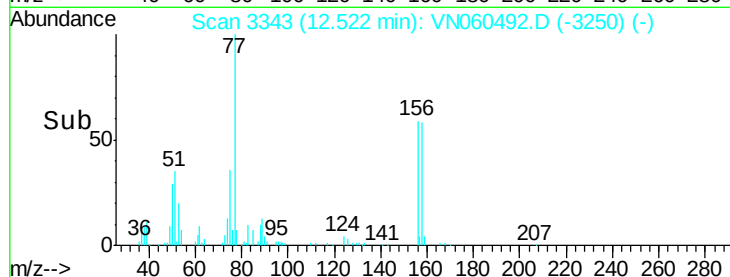
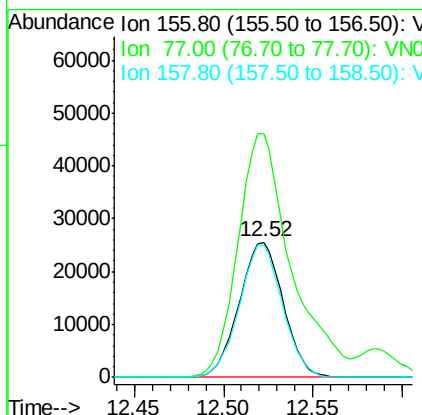
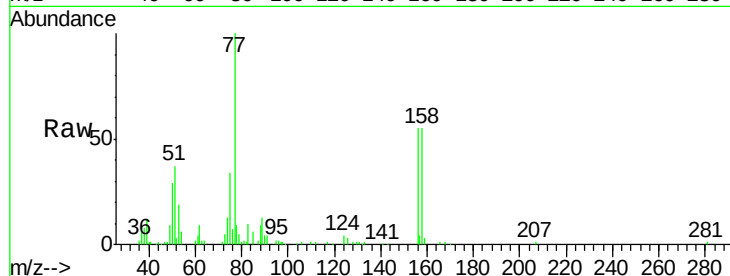
ClientSampled :

VN0313MBS01

Tot Ion:	156	Resp:	44110
Ion Ratio	Lower	Upper	
156	100		
77	218.1	106.1	318.3
158	96.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 17.519 ug/l

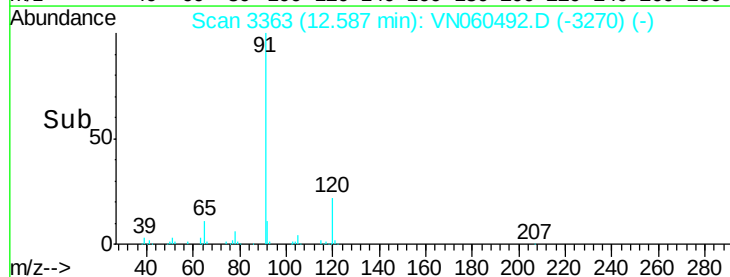
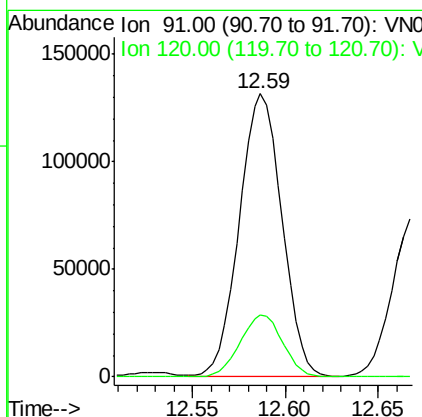
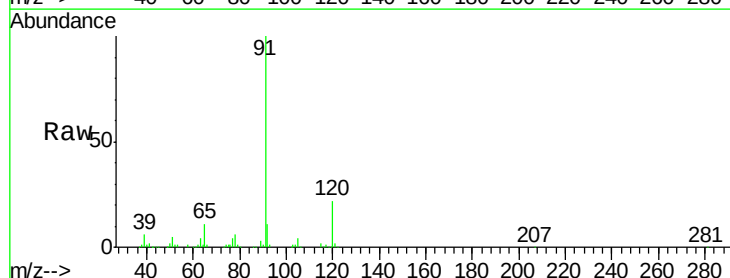
RT: 12.59 min Scan# 3363

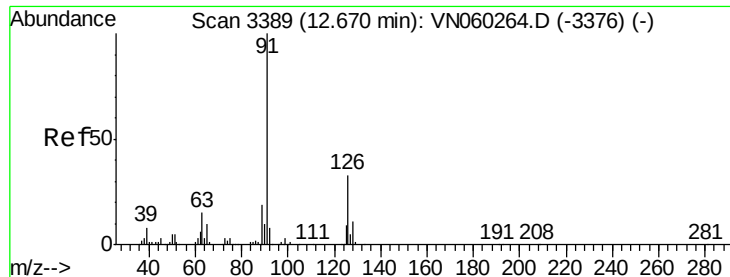
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	91	Resp:	208977
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 17.744 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 91 Resp: 124418

Ion Ratio Lower Upper

91 100

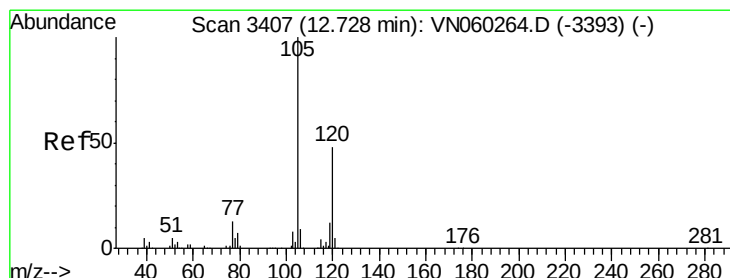
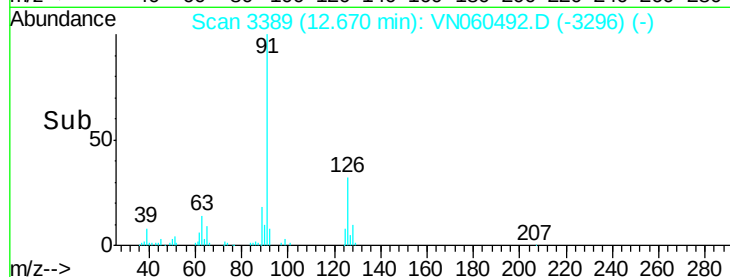
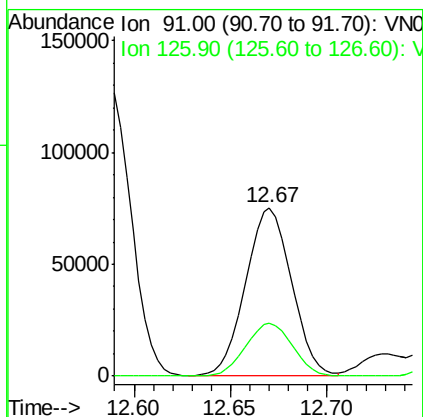
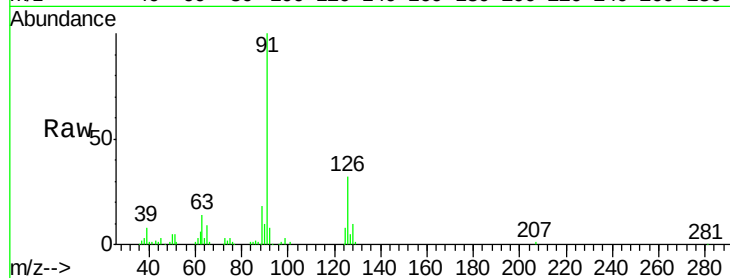
126 32.3 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 17.559 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060492.D

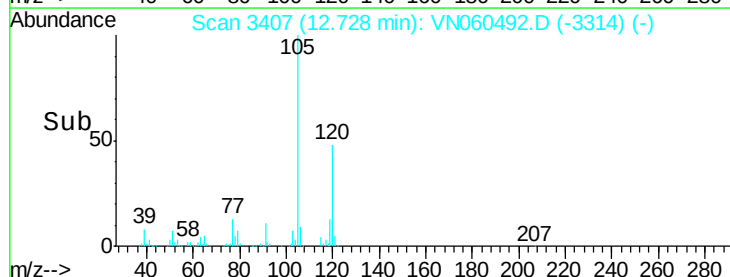
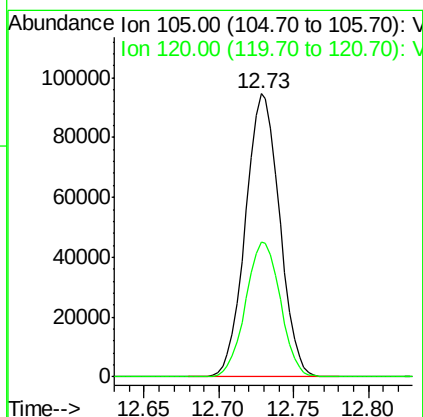
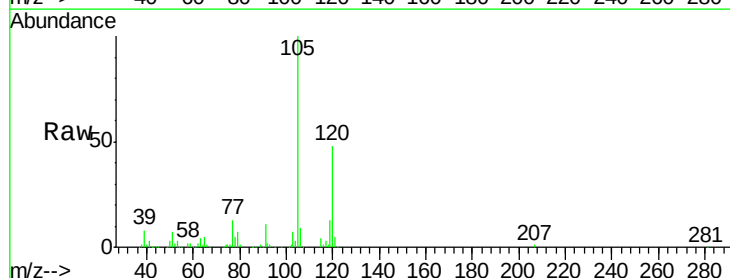
Acq: 13 Mar 2020 11:17

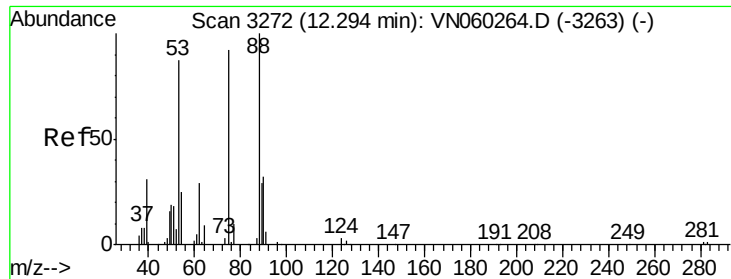
Tgt Ion: 105 Resp: 150443

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.153 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

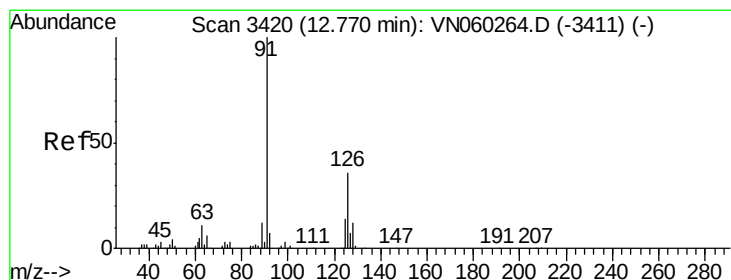
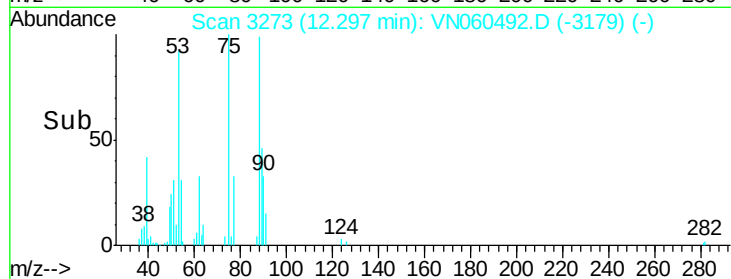
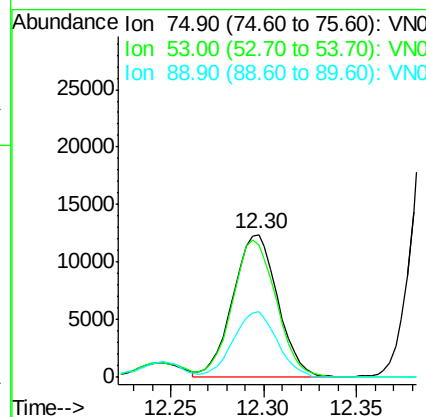
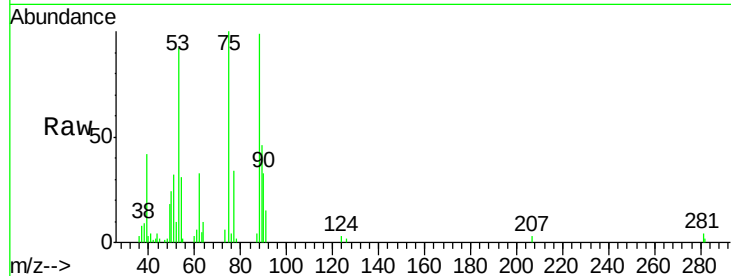
ClientSampleId :

VN0313MBS01

Tot Ion:	75	Resp:	20900
Ion Ratio	Lower	Upper	
75	100		
53	94.0	73.8	110.6
89	44.9	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.203 ug/l

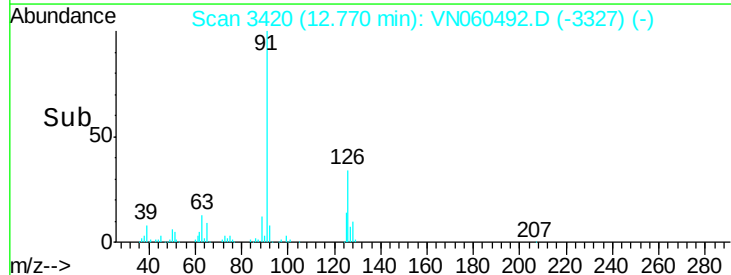
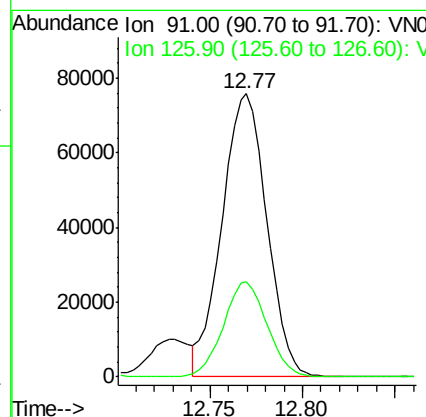
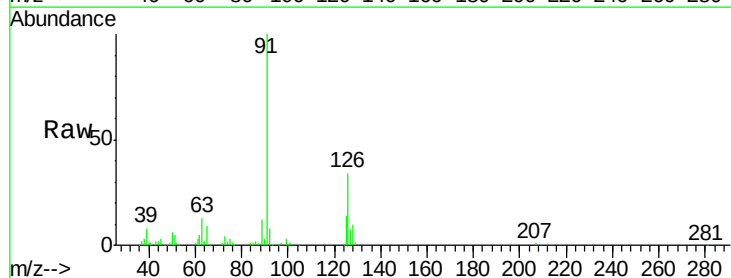
RT: 12.77 min Scan# 3420

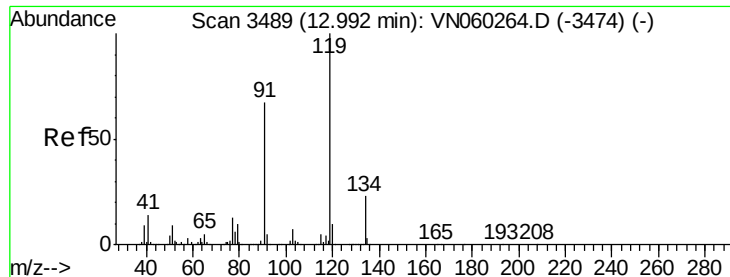
Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	91	Resp:	127085
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.7	50.1





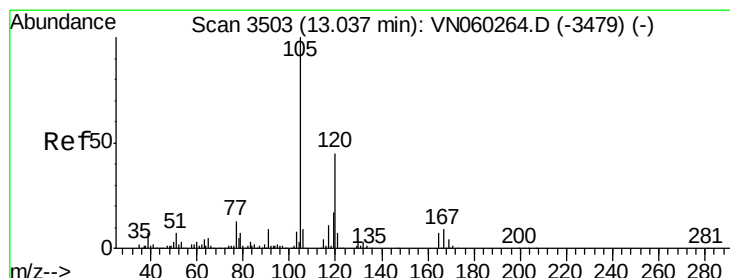
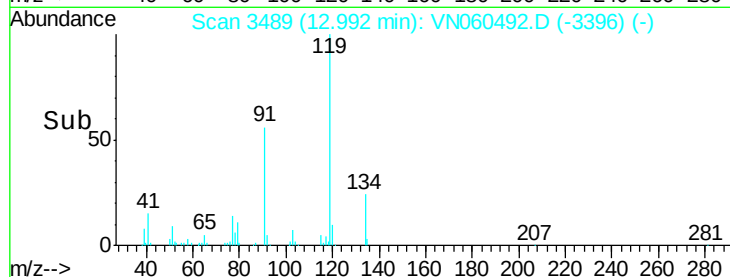
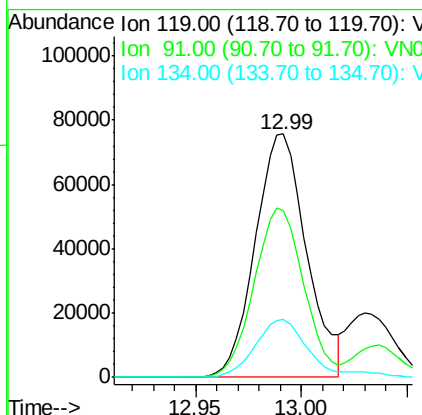
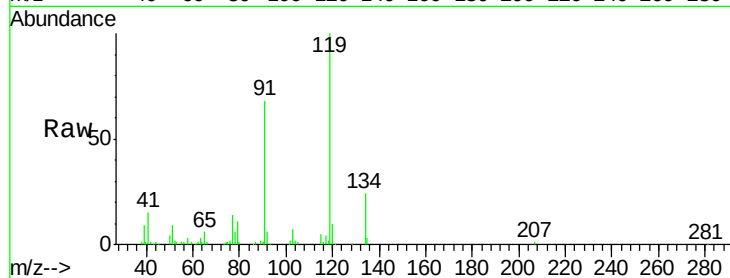
#83
 tert-Butylbenzene
 Concen: 17.266 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.1	99.2
134	24.9	12.4	37.0

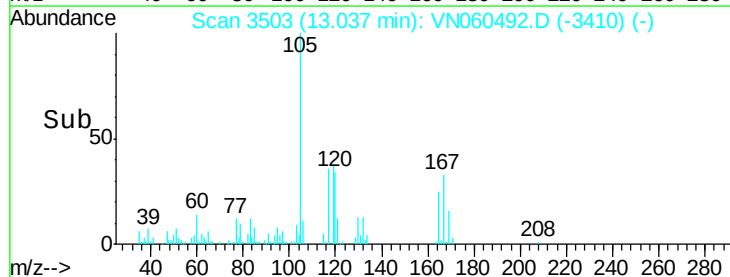
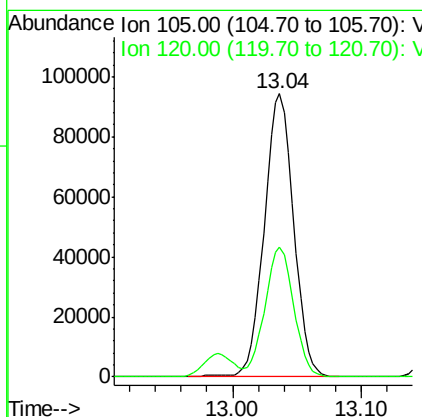
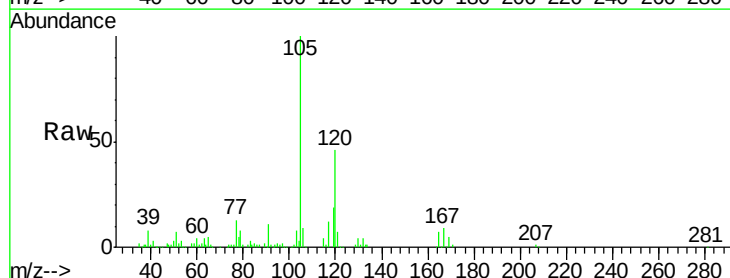
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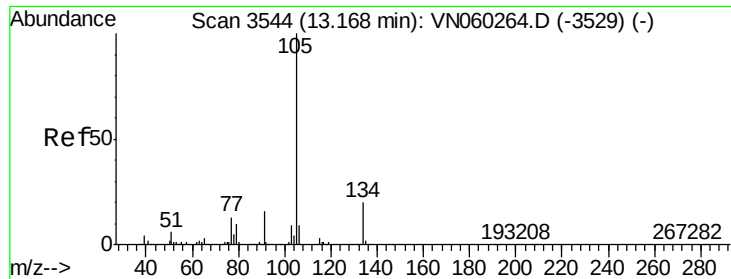
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.332 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





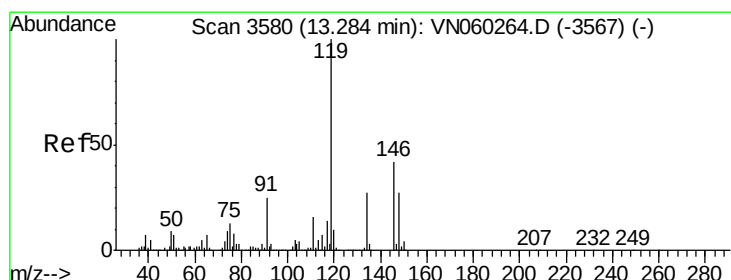
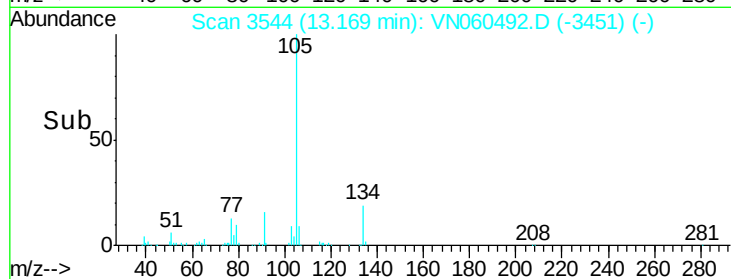
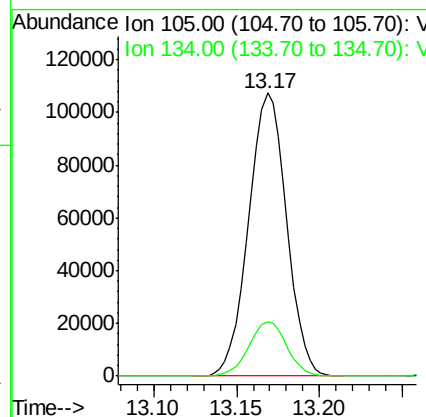
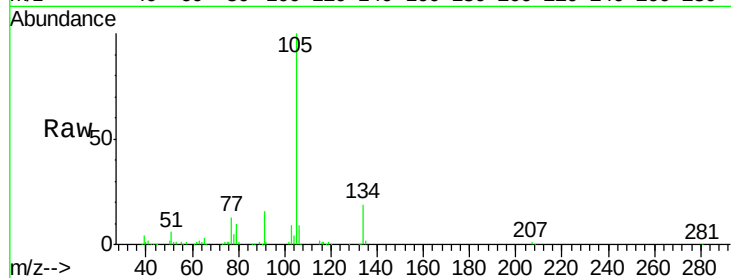
#85
 sec-Butylbenzene
 Concen: 17.179 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	170648		
134	19.2	9.8	29.5	

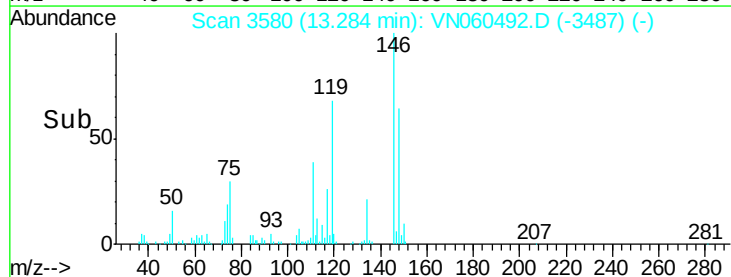
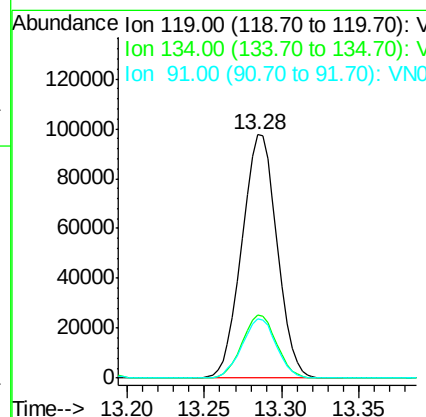
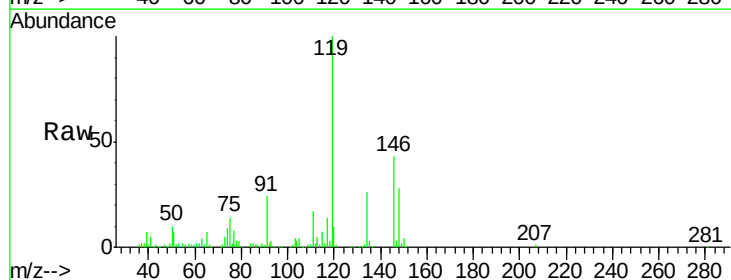
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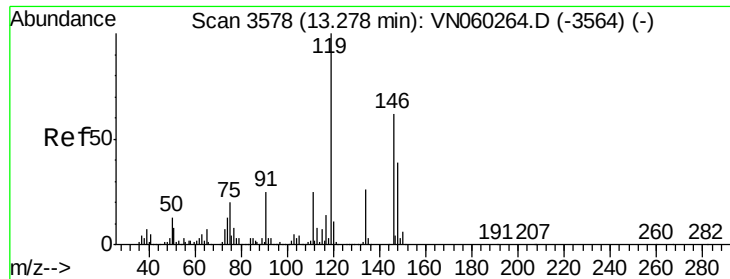
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#86
 p-Isopropyltoluene
 Concen: 16.803 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	154490		
134	25.5	13.2	39.6	
91	23.9	12.2	36.6	





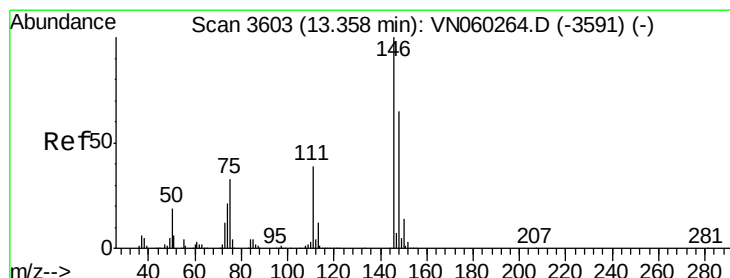
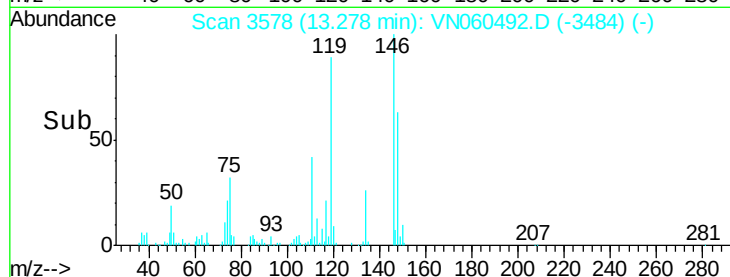
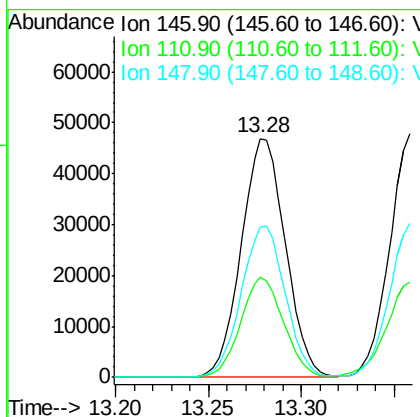
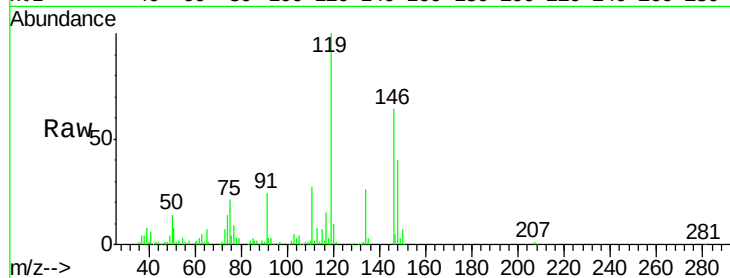
#87
 1,3-Dichlorobenzene
 Concen: 17.949 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	63.2	32.1	96.3

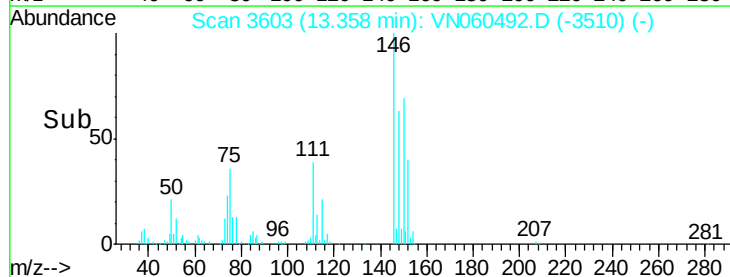
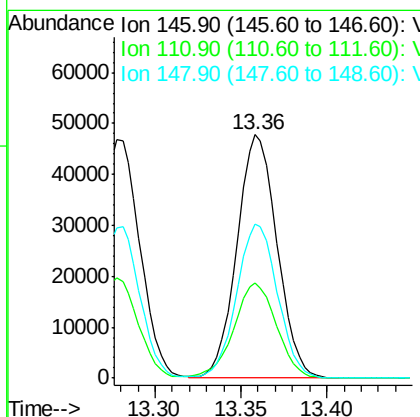
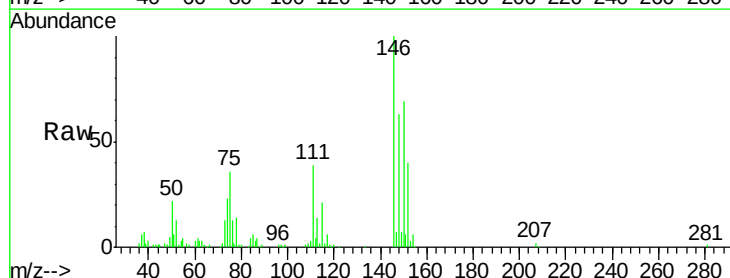
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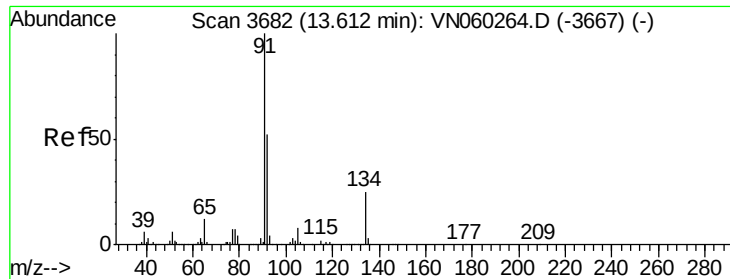
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#88
 1,4-Dichlorobenzene
 Concen: 18.008 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.8	59.4
148	64.3	32.3	96.9





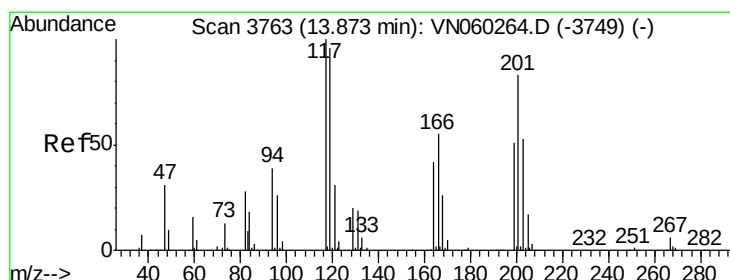
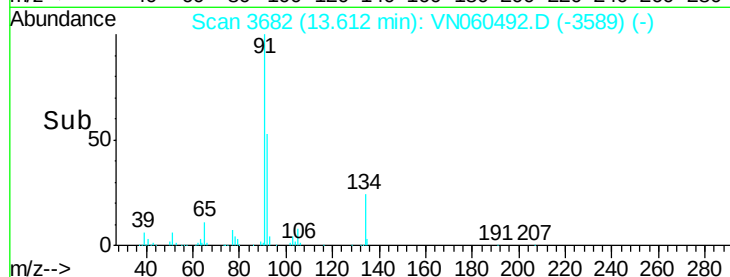
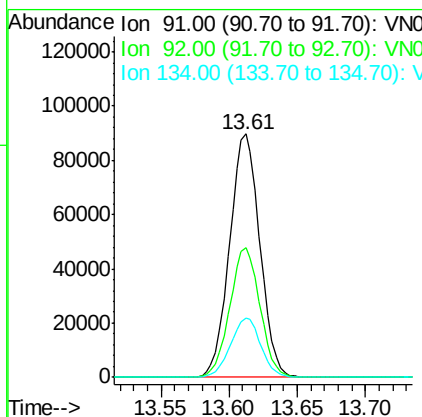
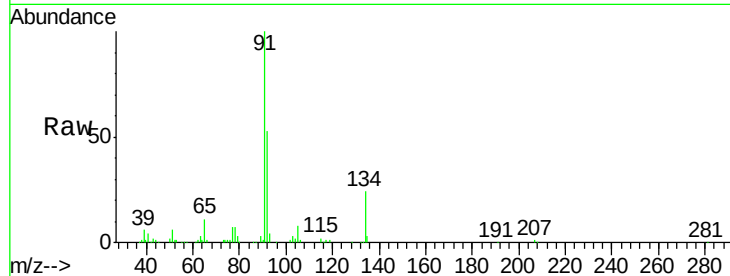
#89
n-Butylbenzene
Concen: 16.346 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	24.3	12.7	38.1

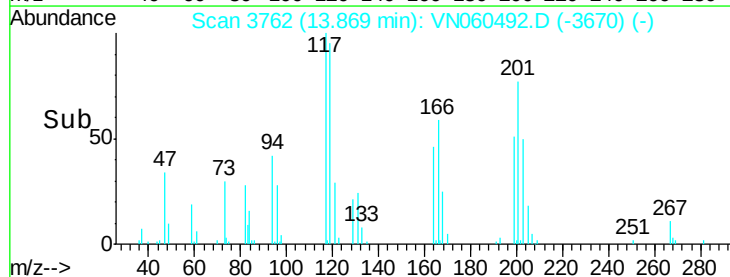
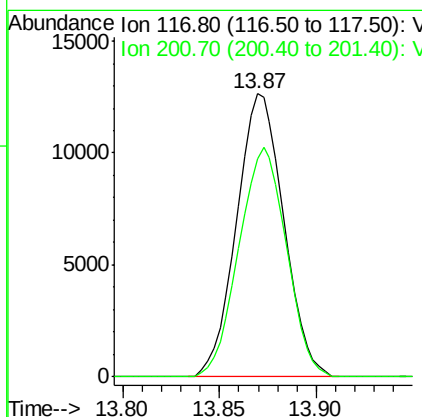
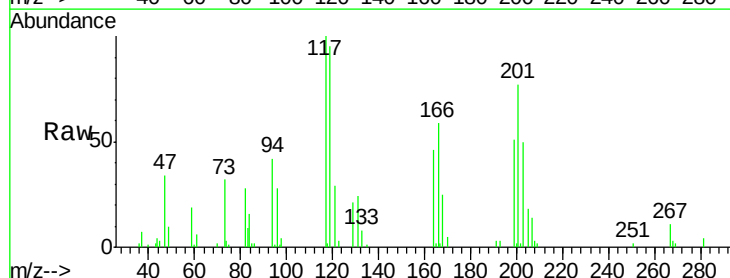
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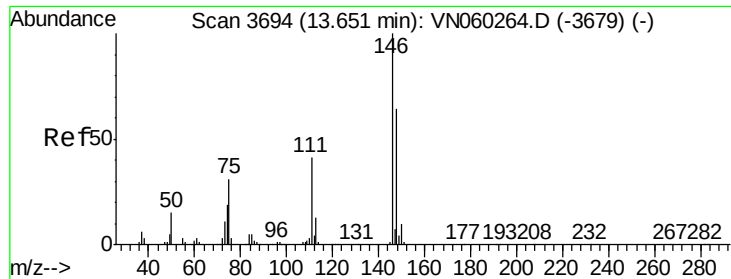
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#90
Hexachloroethane
Concen: 16.098 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	41.0	123.0





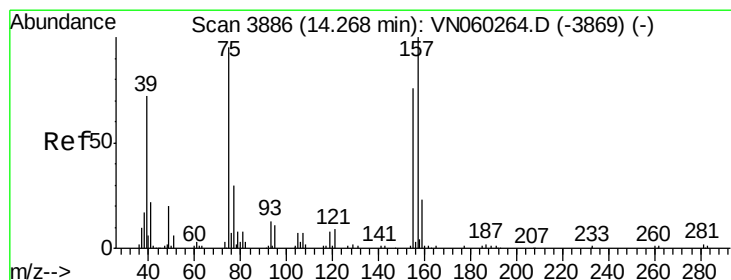
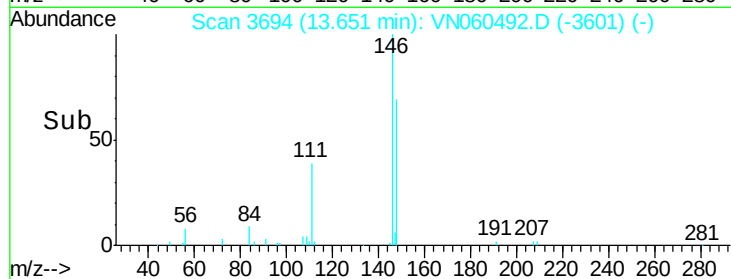
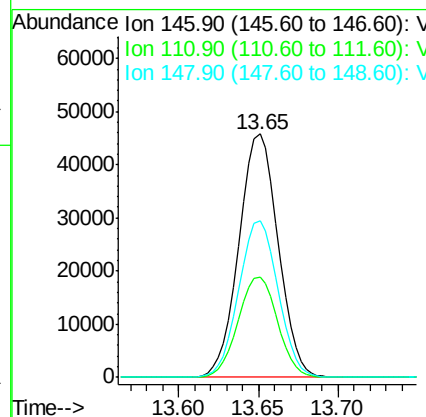
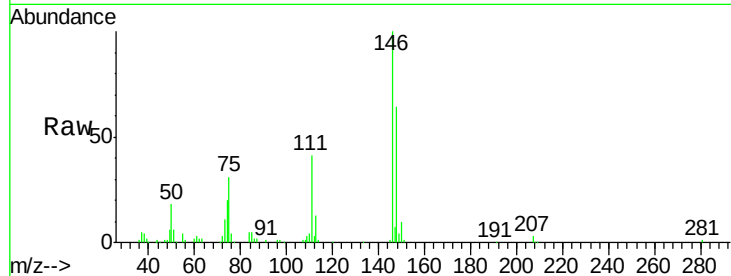
#91
 1,2-Dichlorobenzene
 Concen: 17.489 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	64.6	31.8	95.3

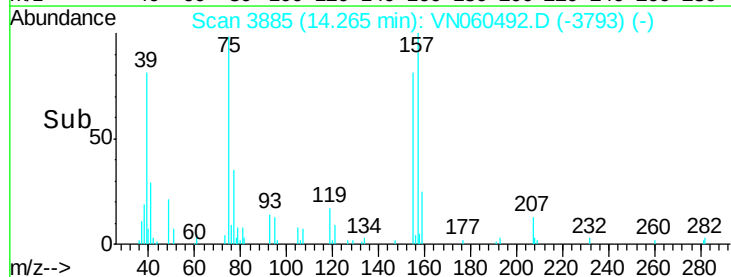
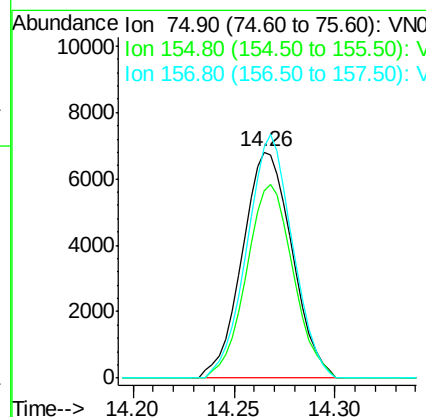
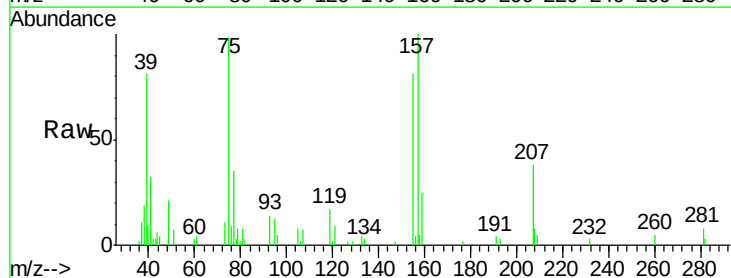
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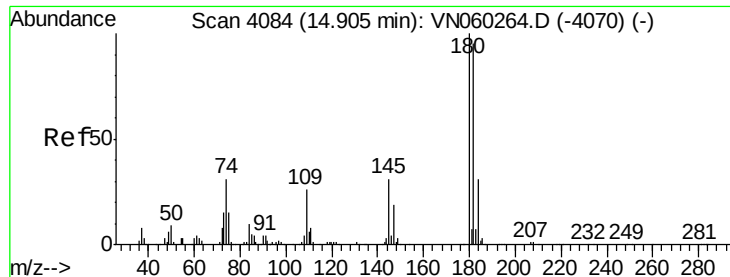
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.793 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.4	121.2
157	98.6	52.5	157.5





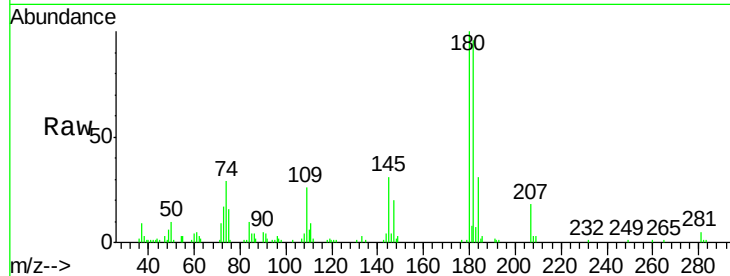
#93
 1,2,4-Trichlorobenzene
 Concen: 16.698 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0313MBS01

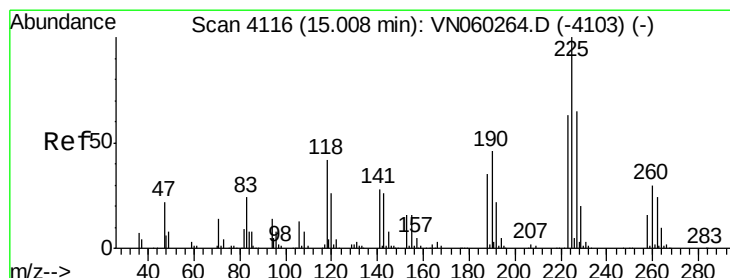
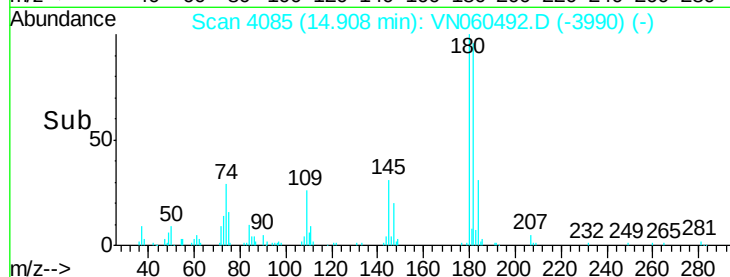
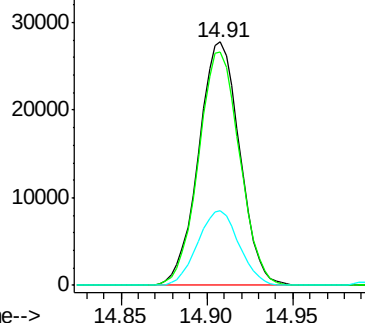
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.8	15.4	46.1

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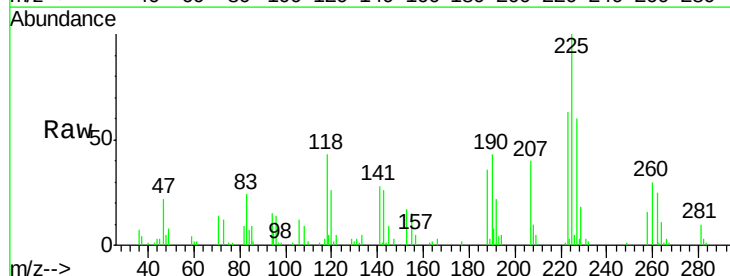


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

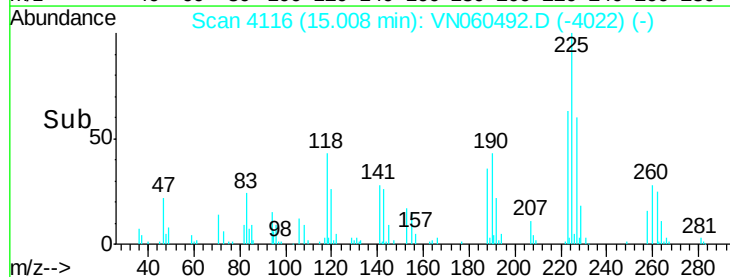
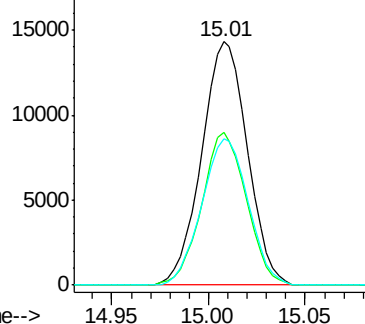


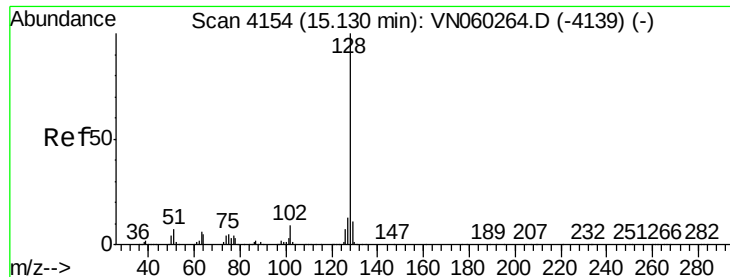
#94
 Hexachlorobutadiene
 Concen: 18.090 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.3	93.9
227	61.2	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.027 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

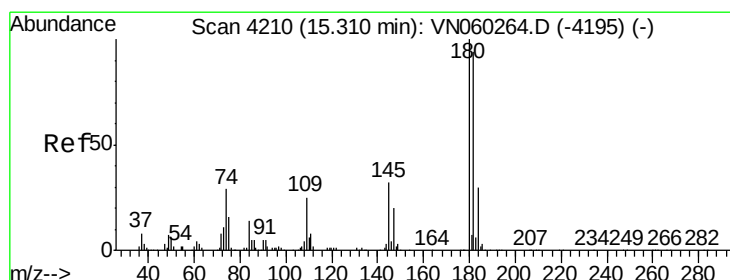
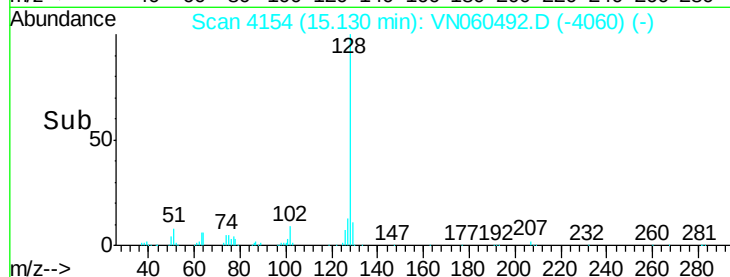
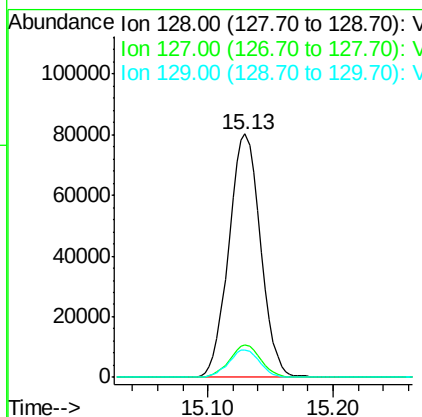
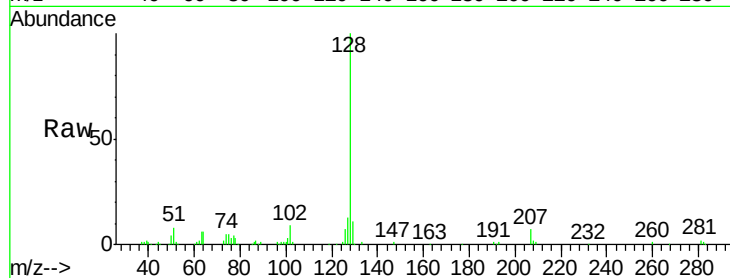
ClientSampleId :

VN0313MBS01

Tot Ion:	128	Resp:	140759
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:04:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.131 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion:	180	Resp:	45122
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	142.0
145	32.8	16.2	48.5

