

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062995.D
 Acq On : 18 Aug 2020 19:29
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:46:11 PM

Quant Time: Aug 19 05:57:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	291510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	41290	17.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.96%	
35) Dibromofluoromethane	7.55	113	34311	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	
50) Toluene-d8	10.06	98	128981	17.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.36%	
62) 4-Bromofluorobenzene	12.38	95	43205	16.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	46649	20.328	ug/l	98
3) Chloromethane	2.03	50	50271	18.917	ug/l	99
4) Vinyl Chloride	2.16	62	49588	19.295	ug/l	96
5) Bromomethane	2.52	94	28083	18.410	ug/l	98
6) Chloroethane	2.66	64	28539	18.808	ug/l	100
7) Trichlorofluoromethane	2.98	101	57715	18.008	ug/l	97
8) Diethyl Ether	3.37	74	18686	16.481	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29905	17.316	ug/l	98
10) Methyl Iodide	3.91	142	37344	17.060	ug/l	97
11) Tert butyl alcohol	4.74	59	28240	86.794	ug/l	97
12) 1,1-Dichloroethene	3.70	96	27254	16.566	ug/l	99
13) Acrolein	3.57	56	5548	54.429	ug/l	100
14) Allyl chloride	4.27	41	48320	16.658	ug/l	98
15) Acrylonitrile	4.93	53	83056	86.849	ug/l	100
16) Acetone	3.78	43	65957	84.320	ug/l	97
17) Carbon Disulfide	4.01	76	75285	17.473	ug/l	98
18) Methyl Acetate	4.28	43	38535	16.881	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	98724	17.207	ug/l	99
20) Methylene Chloride	4.50	84	36559	14.175	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	29577	17.179	ug/l	98
22) Diisopropyl ether	5.91	45	119126	18.097	ug/l	94
23) Vinyl Acetate	5.85	43	368486	82.955	ug/l	99
24) 1,1-Dichloroethane	5.80	63	64334	17.490	ug/l	97
25) 2-Butanone	6.79	43	105029	86.123	ug/l	97
26) 2,2-Dichloropropane	6.78	77	50584	17.486	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	36542	16.933	ug/l	98
28) Bromochloromethane	7.15	49	34974	18.172	ug/l	99
29) Tetrahydrofuran	7.17	42	69386	88.157	ug/l	99
30) Chloroform	7.33	83	64455	17.399	ug/l	99
31) Cyclohexane	7.61	56	58956	17.414	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	52964	17.512	ug/l	100
36) 1,1-Dichloropropene	7.75	75	42897	16.698	ug/l	99
37) Ethyl Acetate	6.89	43	41214	17.079	ug/l	99
38) Carbon Tetrachloride	7.73	117	45196	17.426	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51954	17.115	ug/l	97
40) Benzene	8.00	78	140121	17.197	ug/l	99
41) Methacrylonitrile	7.13	41	18959m	16.531	ug/l	
42) 1,2-Dichloroethane	8.09	62	48065	17.569	ug/l	100
43) Isopropyl Acetate	8.13	43	67725	16.983	ug/l	99
44) Trichloroethene	8.80	130	34426	16.986	ug/l	96
45) 1,2-Dichloropropane	9.08	63	40915	17.372	ug/l	99
46) Dibromomethane	9.17	93	24118	17.726	ug/l	99
47) Bromodichloromethane	9.37	83	51288	17.211	ug/l	100
48) Methyl methacrylate	9.17	41	32649	17.303	ug/l	96
49) 1,4-Dioxane	9.17	88	12433	338.038	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	225148	89.320	ug/l	98
52) Toluene	10.13	92	85966	17.490	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	52898	17.165	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	58951	17.438	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	37100	17.653	ug/l	99
56) Ethyl methacrylate	10.40	69	48682	17.154	ug/l	96
57) 1,3-Dichloropropane	10.68	76	61047	17.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	55484	81.573	ug/l	98
59) 2-Hexanone	10.72	43	154306	87.762	ug/l	96
60) Dibromochloromethane	10.88	129	39766	17.098	ug/l	99
61) 1,2-Dibromoethane	10.98	107	35832	17.744	ug/l	99
64) Tetrachloroethene	10.60	164	31299	17.167	ug/l	99
65) Chlorobenzene	11.41	112	94336	16.935	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	36725	16.950	ug/l	99
67) Ethyl Benzene	11.49	91	161799	17.190	ug/l	100
68) m/p-Xylenes	11.60	106	123193	35.215	ug/l	99
69) o-Xylene	11.92	106	58842	17.516	ug/l	99
70) Styrene	11.94	104	101063	17.530	ug/l	99
71) Bromoform	12.10	173	29504	17.108	ug/l #	99
73) Isopropylbenzene	12.23	105	157856	17.497	ug/l	99
74) N-amyl acetate	12.05	43	56668	17.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	54013	16.779	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	45927m	17.699	ug/l	
77) Bromobenzene	12.50	156	42946	17.308	ug/l	98
78) n-propylbenzene	12.57	91	183491	17.843	ug/l	99
79) 2-Chlorotoluene	12.65	91	112121	17.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	131651	17.652	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	15926	17.080	ug/l	95
82) 4-Chlorotoluene	12.75	91	115230	17.495	ug/l	99
83) tert-Butylbenzene	12.97	119	112225	17.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	129201	17.782	ug/l	99
85) sec-Butylbenzene	13.15	105	153462	17.640	ug/l	100
86) p-Isopropyltoluene	13.26	119	131854	17.394	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	71987	16.881	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	72726	16.803	ug/l	97
89) n-Butylbenzene	13.59	91	102831	16.075	ug/l	97
90) Hexachloroethane	13.85	117	27314	16.953	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	71950	17.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8412	18.513	ug/l	96

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ClientSampleId :
VSTDICC020

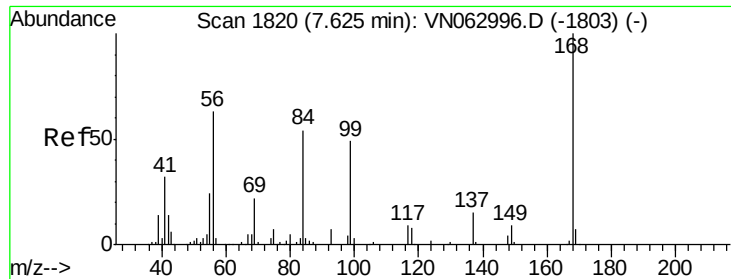
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:46:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	29819	16.568	ug/l	100
94) Hexachlorobutadiene	14.99	225	25409	16.693	ug/l	100
95) Naphthalene	15.11	128	61917	15.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	30584	16.920	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 193815

Ion Ratio Lower Upper

168 100

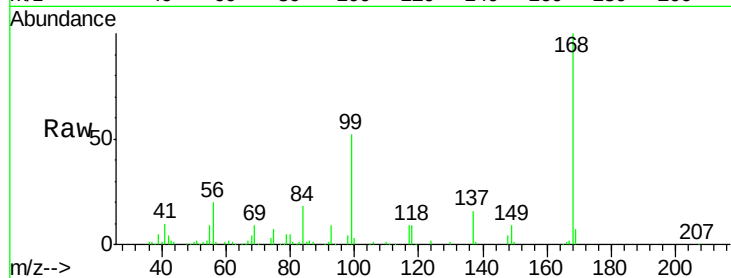
99 52.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

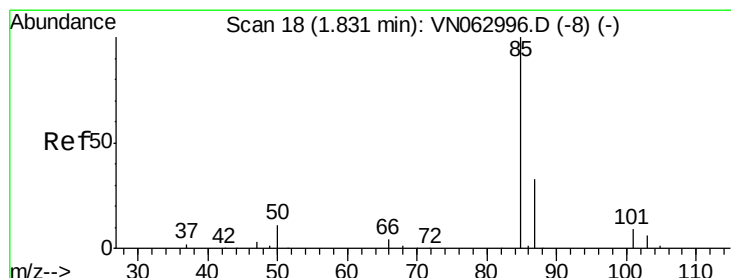
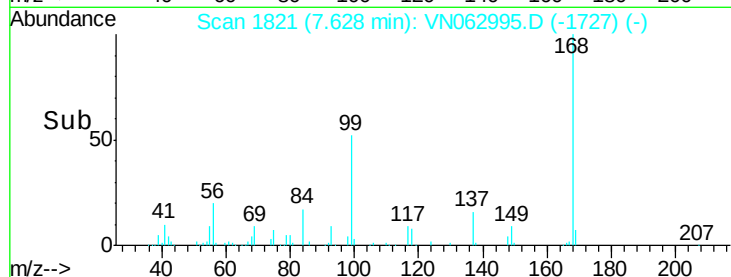
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.328 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062995.D

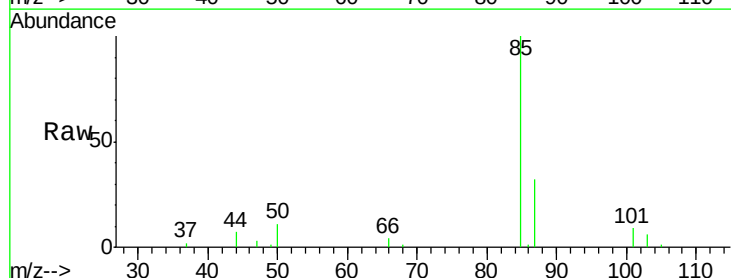
Acq: 18 Aug 2020 19:29

Tgt Ion: 85 Resp: 46649

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

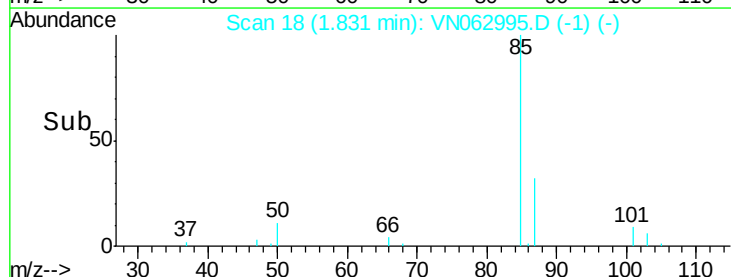
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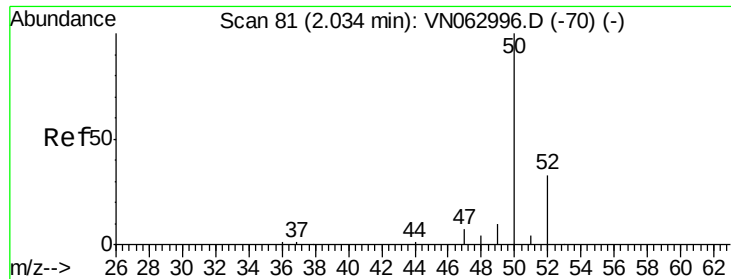
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.917 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 50271

Ion Ratio Lower Upper

50 100

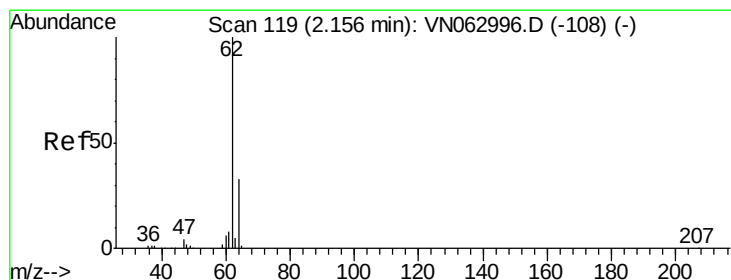
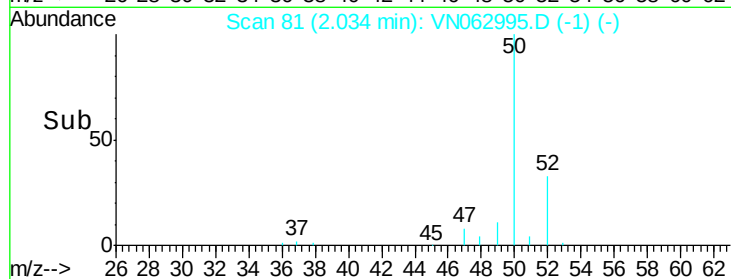
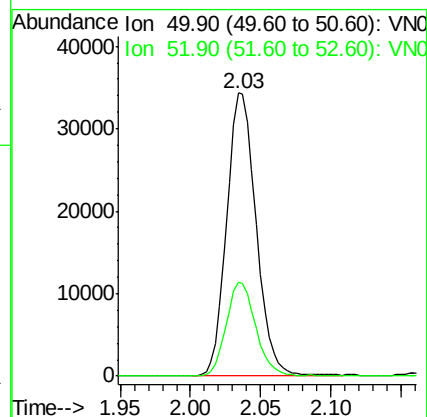
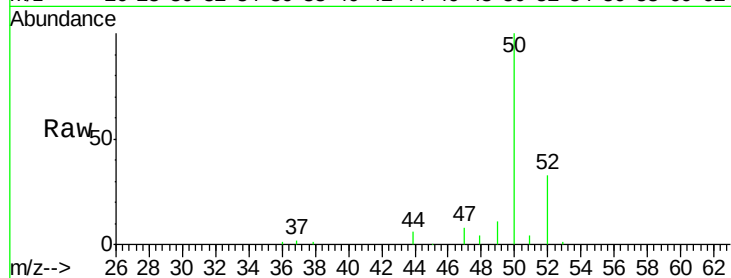
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.295 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062995.D

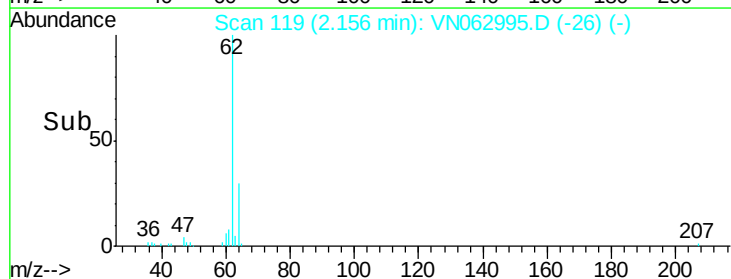
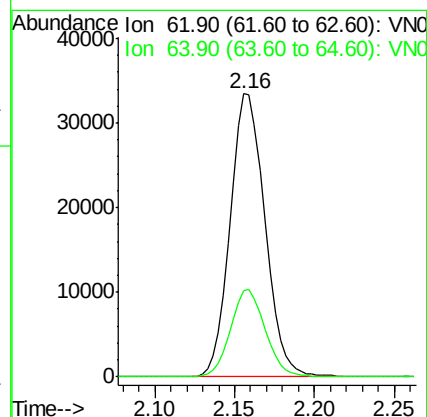
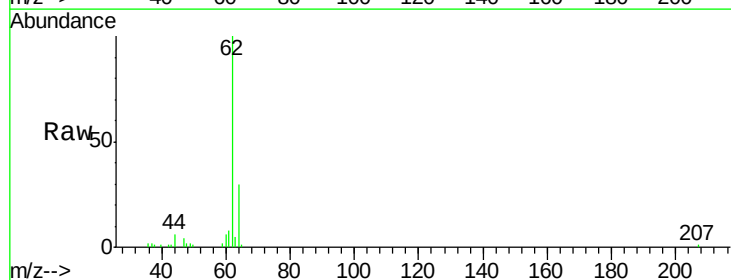
Acq: 18 Aug 2020 19:29

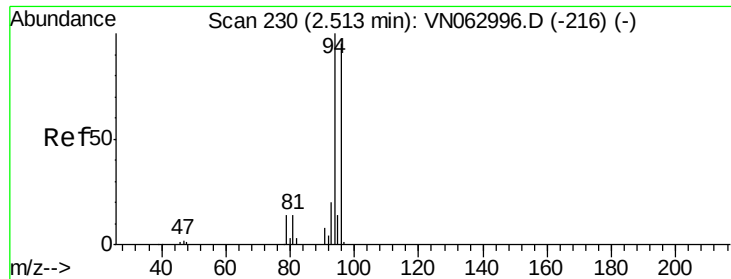
Tgt Ion: 62 Resp: 49588

Ion Ratio Lower Upper

62 100

64 30.5 26.2 39.2





#5

Bromomethane

Concen: 18.410 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 28083

Ion Ratio Lower Upper

94 100

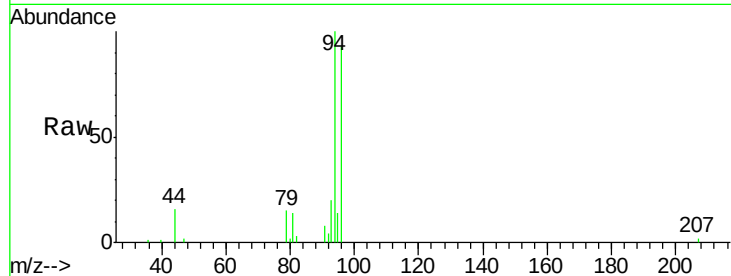
96 92.7 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN062995.D (-137) (-)

Ion 95.90 (95.60 to 96.60): VN062995.D (-137) (-)

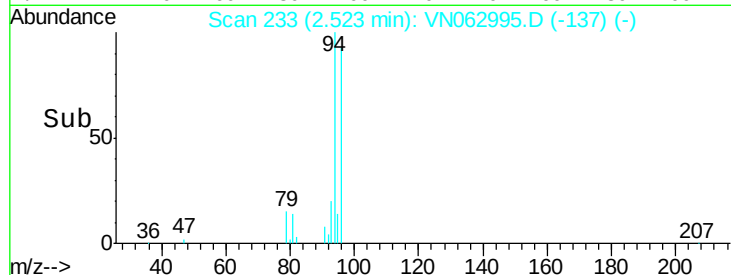
15000

10000

5000

0

Time-->



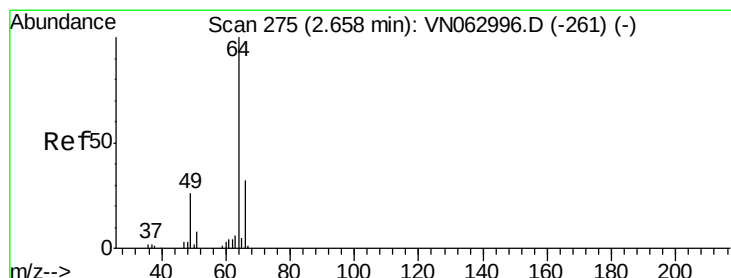
2.52

2.45

2.50

2.55

2.60



#6

Chloroethane

Concen: 18.808 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.01 min

Lab File: VN062995.D

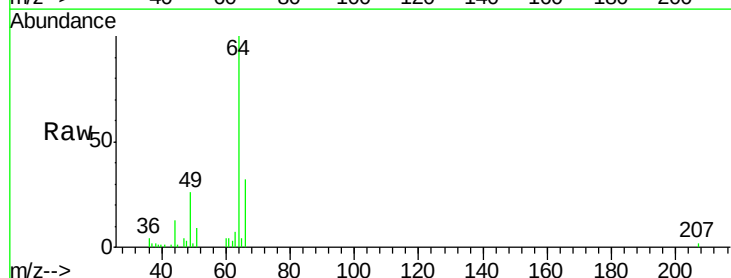
Acq: 18 Aug 2020 19:29

Tgt Ion: 64 Resp: 28539

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN062995.D (-182) (-)

Ion 65.90 (65.60 to 66.60): VN062995.D (-182) (-)

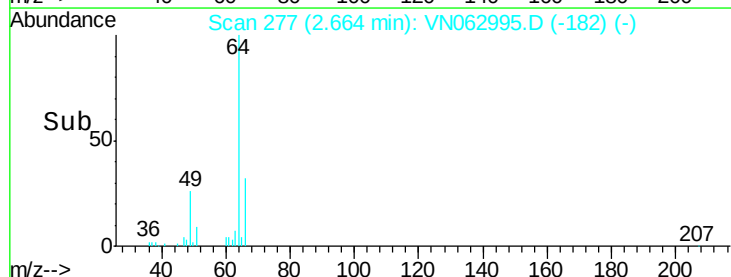
15000

10000

5000

0

Time-->



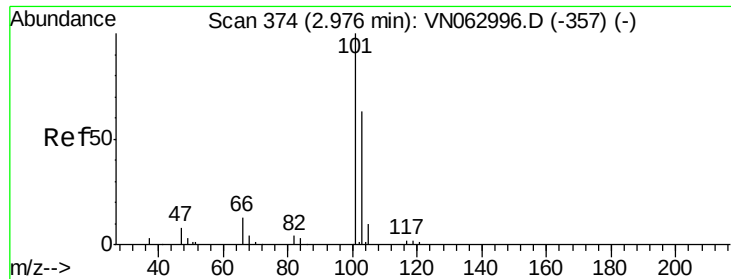
2.66

2.60

2.65

2.70

2.75



#7

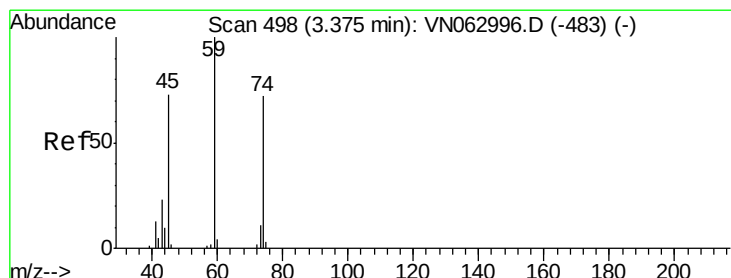
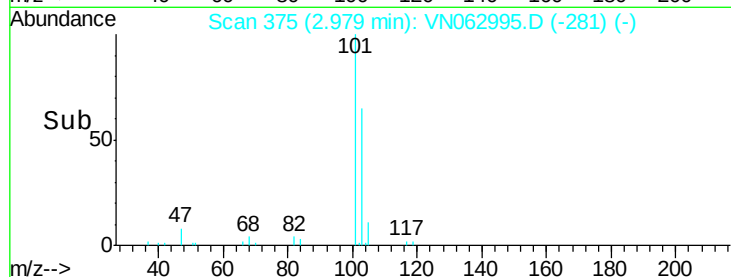
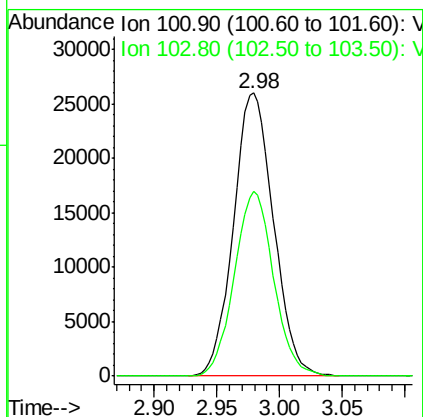
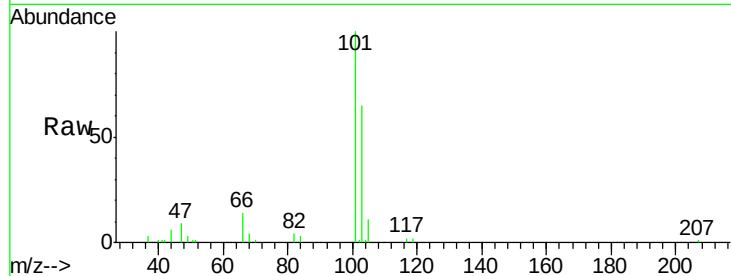
Trichlorofluoromethane
 Concen: 18.008 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.5	75.7

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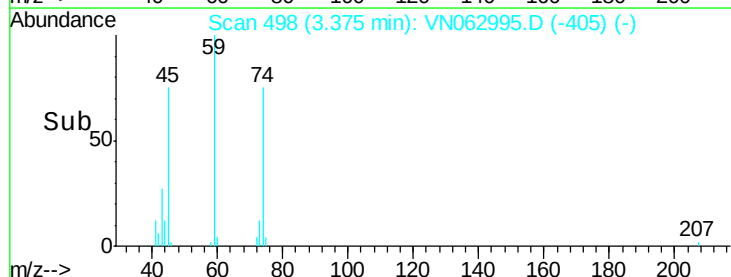
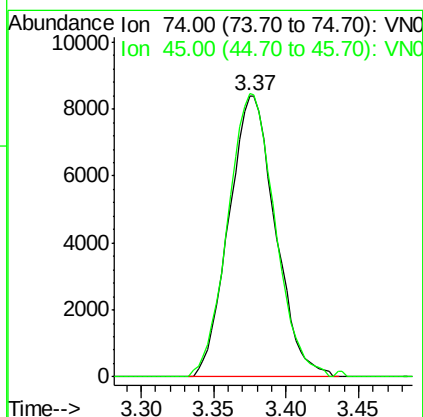
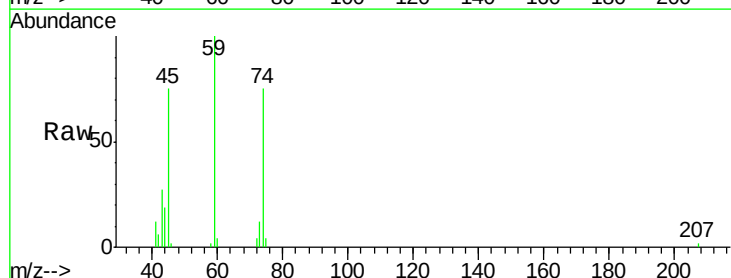
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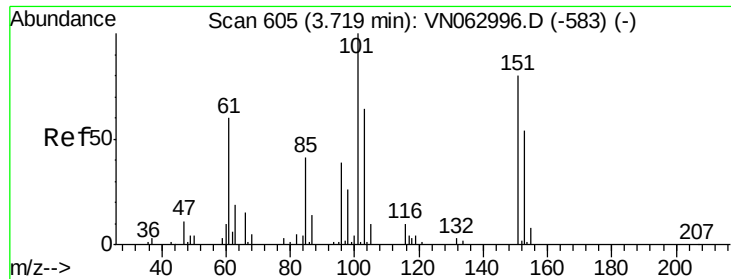


#8

Diethyl Ether
 Concen: 16.481 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.316 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

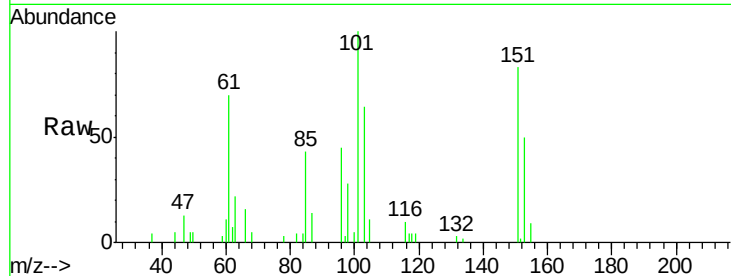
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	29905
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.0	51.0
151	80.1	65.8	98.8

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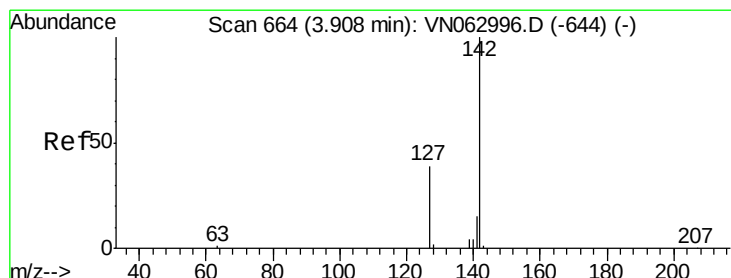
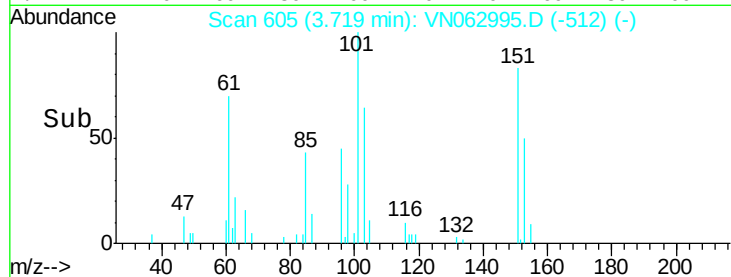
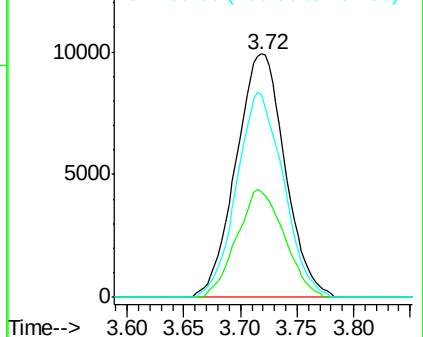
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.060 ug/l

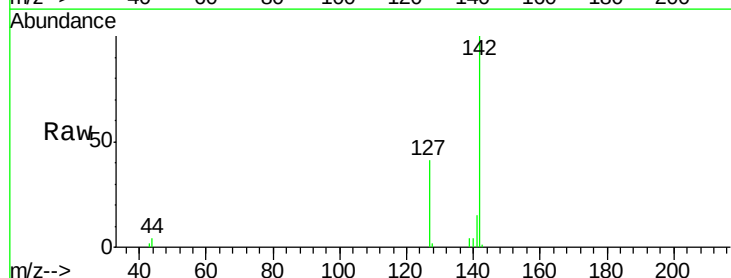
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

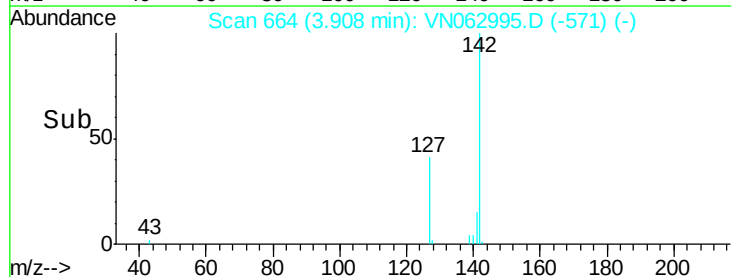
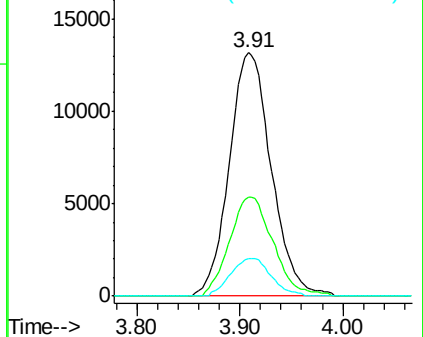
Tgt Ion:	142	Resp:	37344
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.2	48.4
141	14.8	11.3	16.9

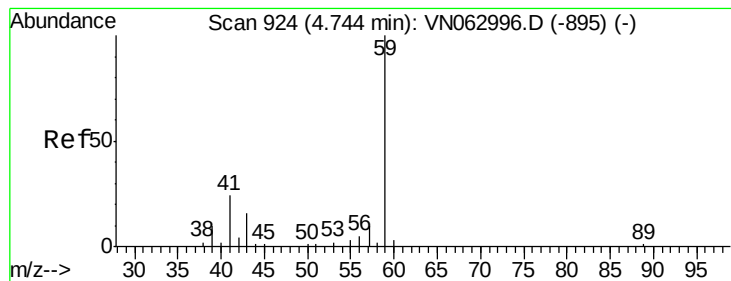


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

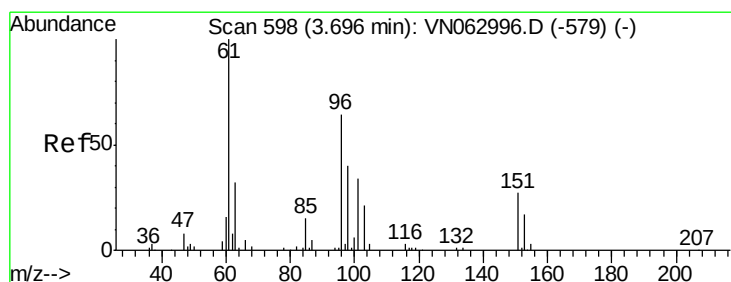
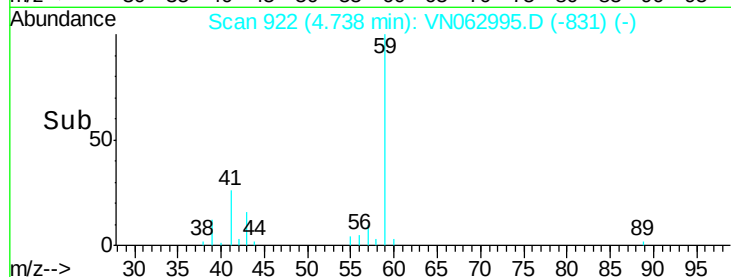
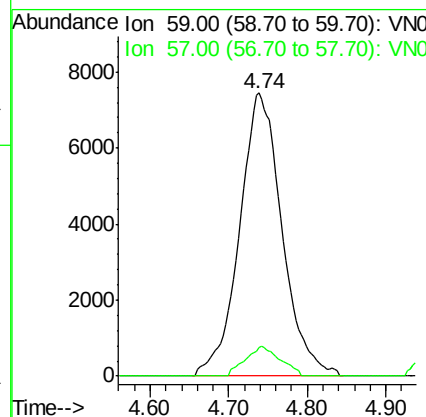
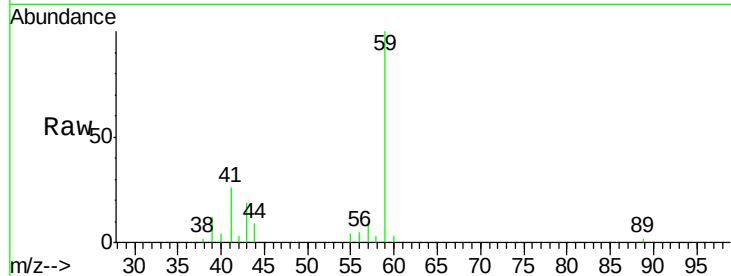
Tert butyl alcohol
 Concen: 86.794 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.8	11.6

Manual Integrations
 APPROVED

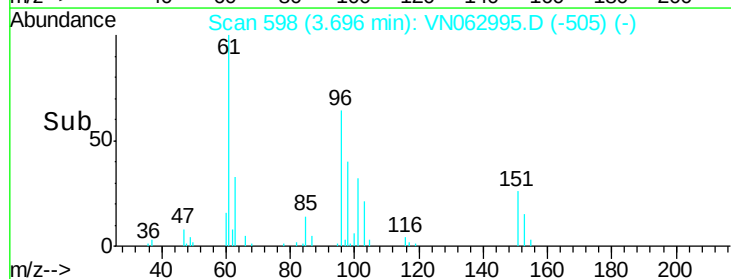
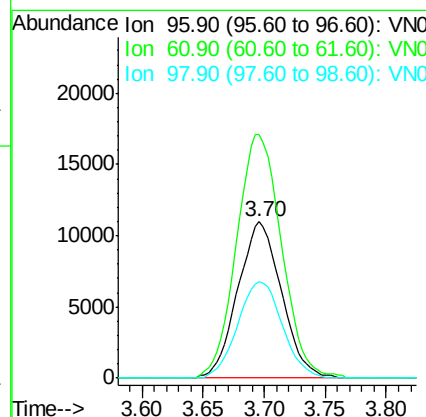
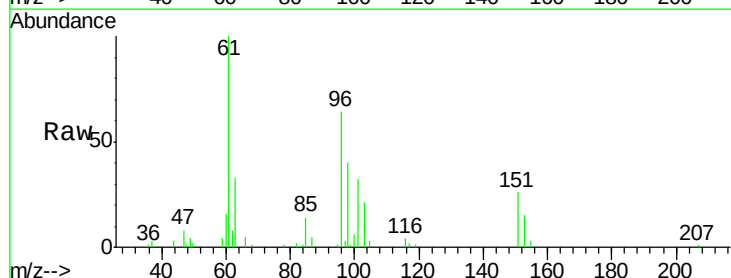
MMDadoda
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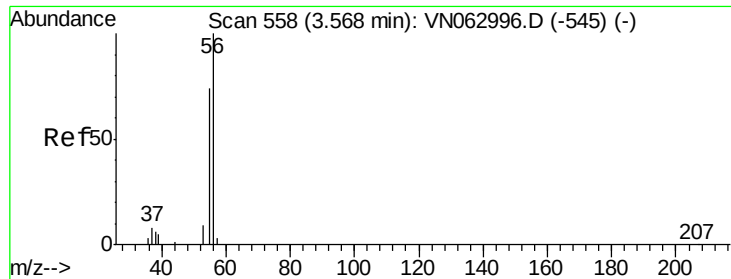


#12

1,1-Dichloroethene
 Concen: 16.566 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	125.5	188.3
98	61.7	50.4	75.6





#13

Acrolein

Concen: 54.429 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 5548

Ion Ratio Lower Upper

56 100

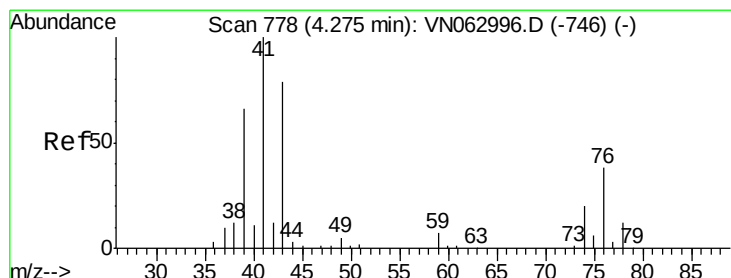
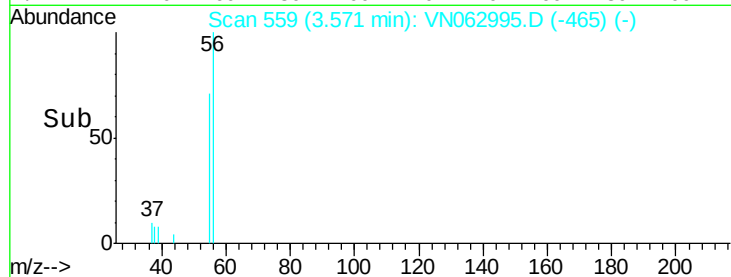
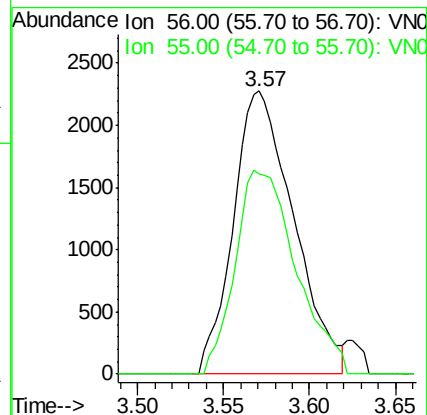
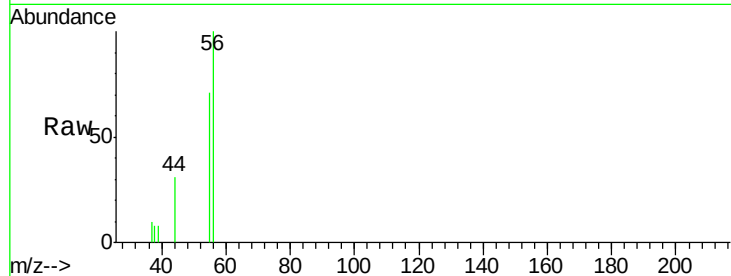
55 72.8 58.4 87.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 16.658 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

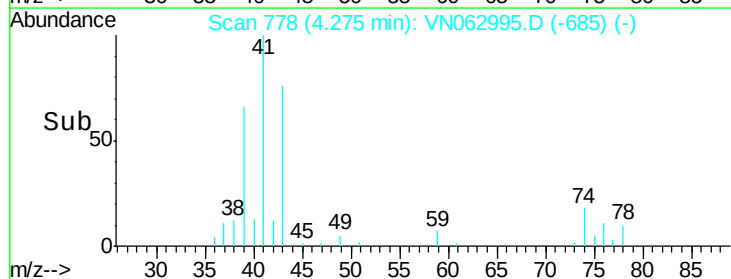
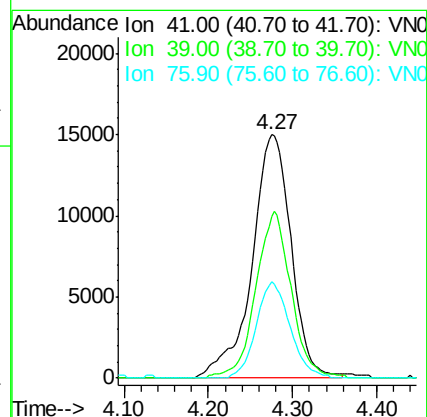
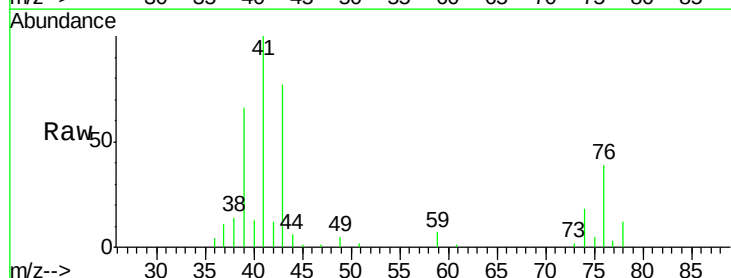
Tgt Ion: 41 Resp: 48320

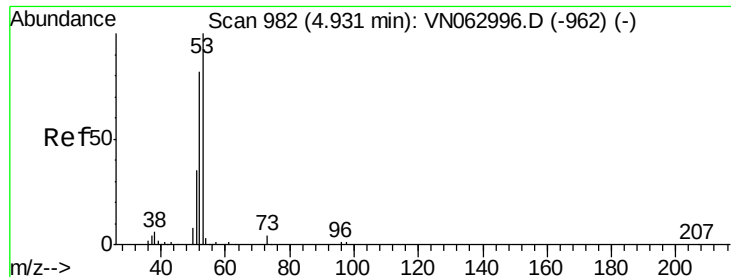
Ion Ratio Lower Upper

41 100

39 61.9 47.9 71.9

76 34.1 27.0 40.6





#15

Acrylonitrile

Concen: 86.849 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

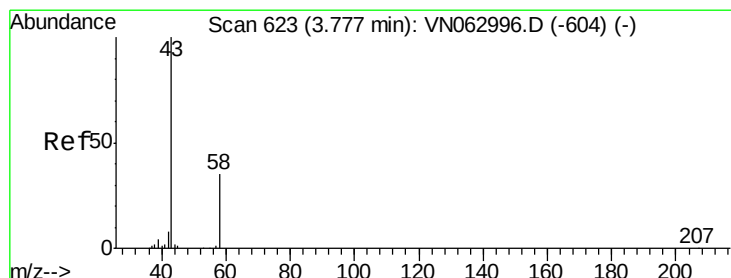
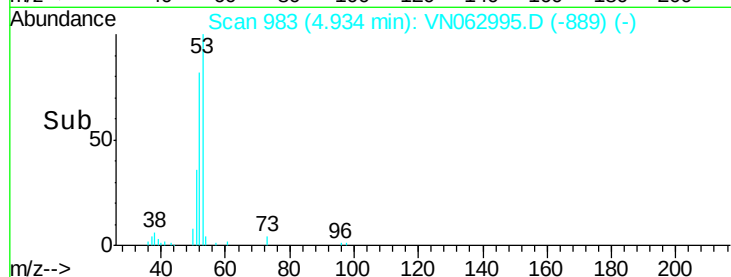
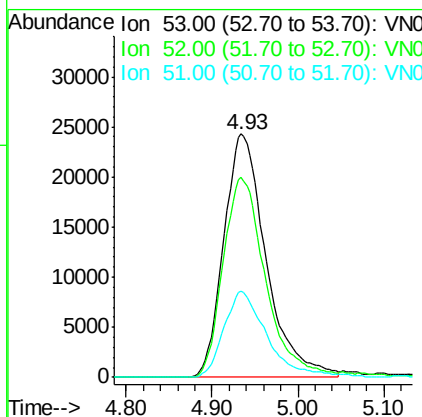
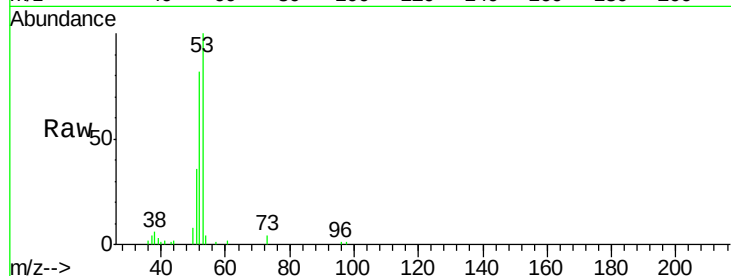
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	83056
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.6	98.4
51	36.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 84.320 ug/l

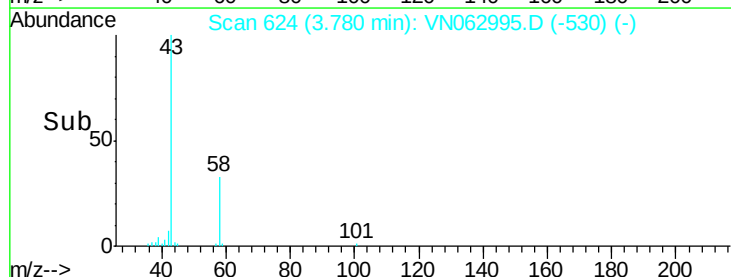
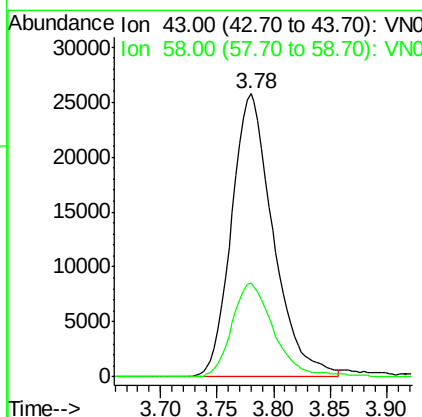
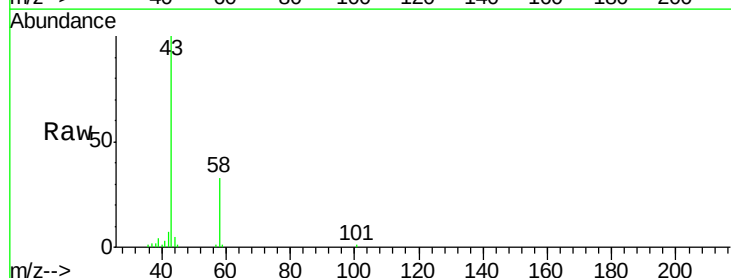
RT: 3.78 min Scan# 624

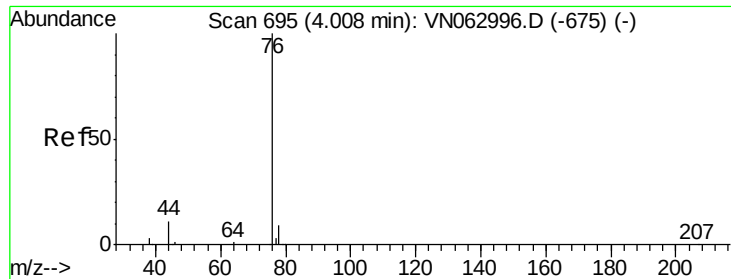
Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	43	Resp:	65957
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.8	41.6





#17

Carbon Disulfide

Concen: 17.473 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 75285

Ion Ratio Lower Upper

76 100

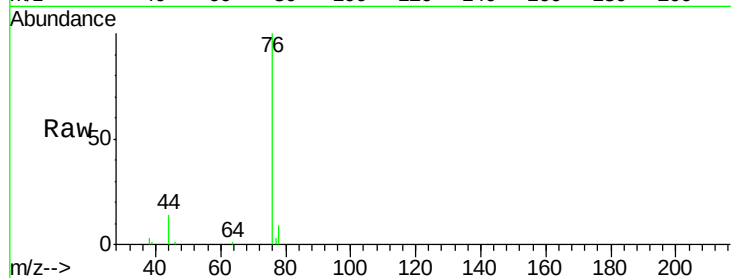
78 9.3 6.9 10.3

Manual Integrations

APPROVED

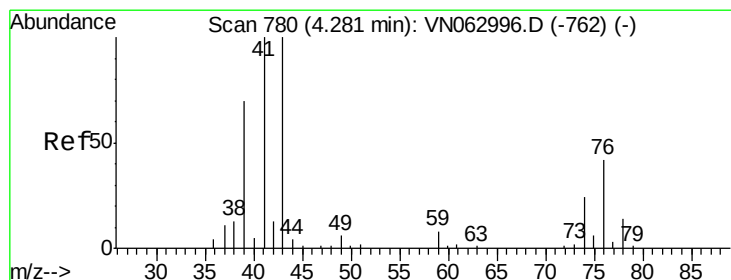
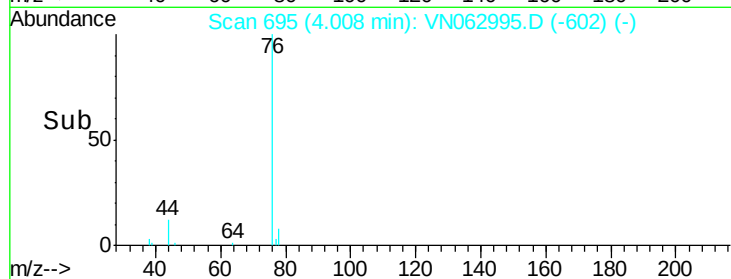
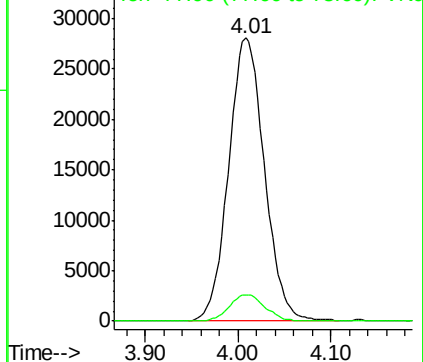
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.881 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062995.D

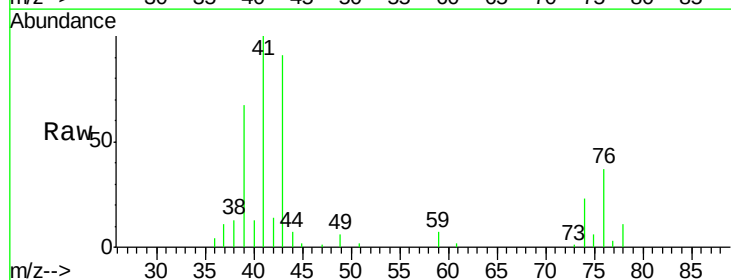
Acq: 18 Aug 2020 19:29

Tgt Ion: 43 Resp: 38535

Ion Ratio Lower Upper

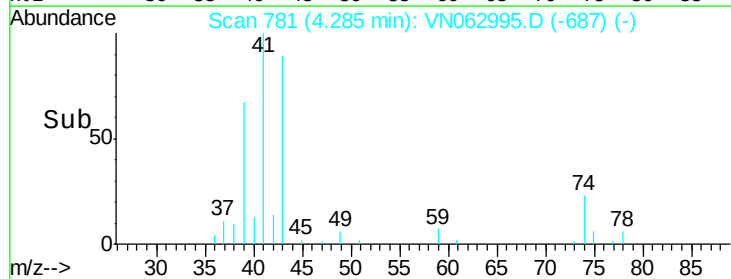
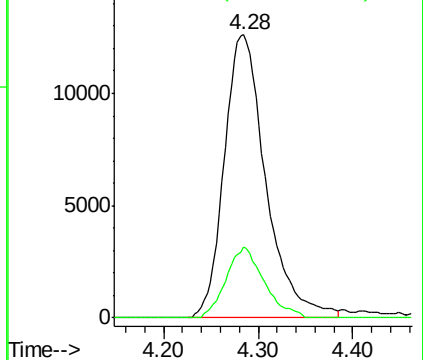
43 100

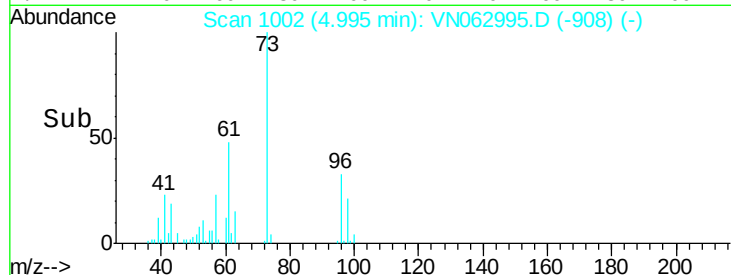
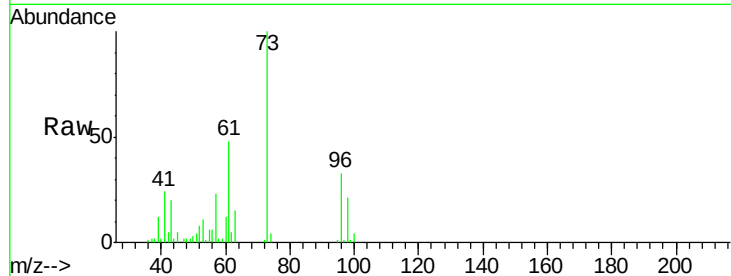
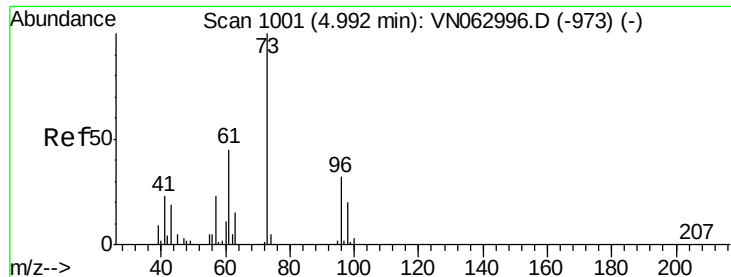
74 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

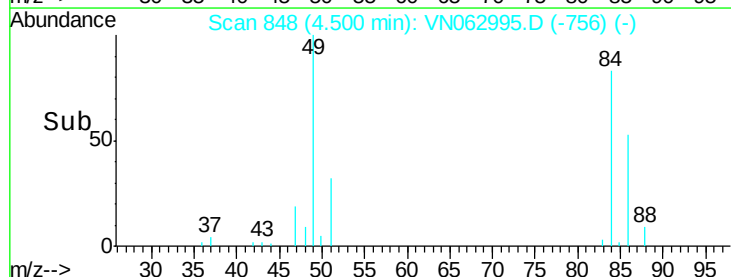
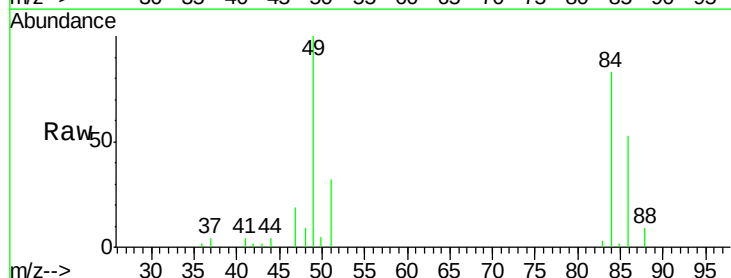
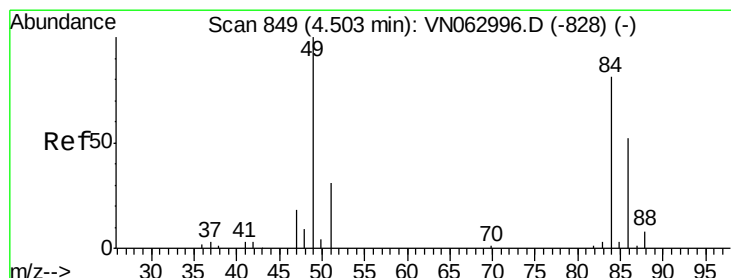
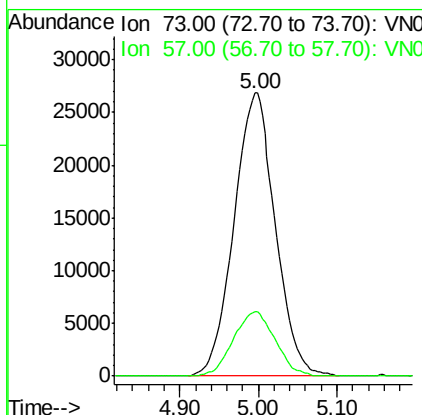
Methyl tert-butyl Ether
Concen: 17.207 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tot Ion	73	57	Ratio	100	Resp	Lower	Upper
73	100				98724		
57	22.9				18.1	27.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

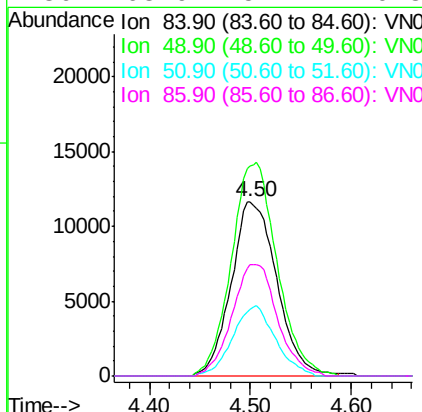
MMDadoda
8/19/2020 5:46:11 PM

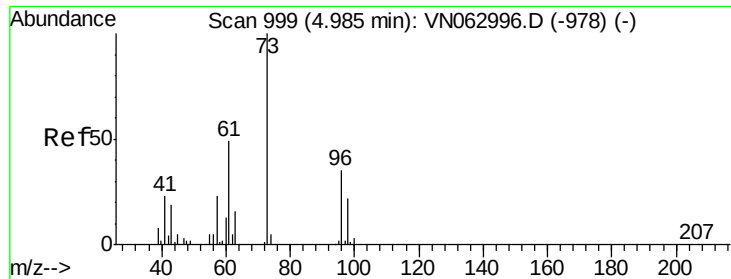


#20

Methylene Chloride
Concen: 14.175 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	84	49	51	86	Ratio	100	Lower	Upper	Resp
84	100				36559				
49	120.5				98.7	148.1			
51	38.0				30.8	46.2			
86	63.9				51.2	76.8			





#21

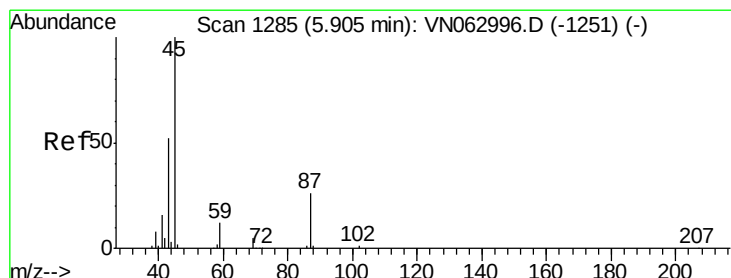
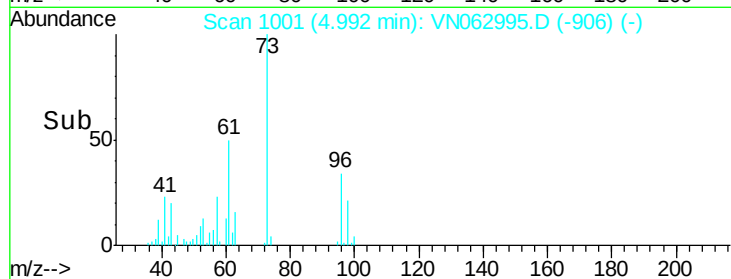
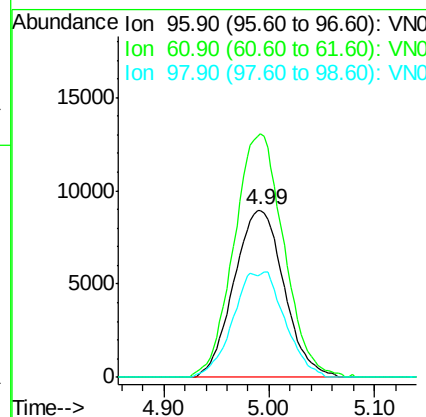
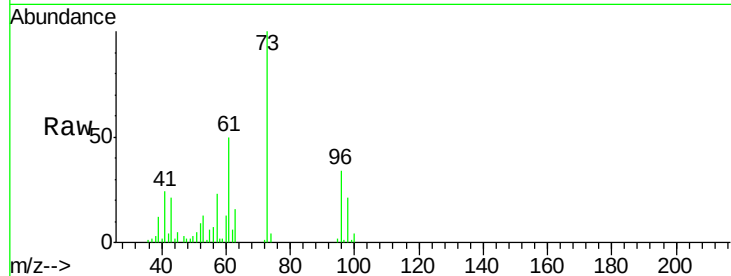
trans-1,2-Dichloroethene
Concen: 17.179 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	112.5	168.7
98	61.4	49.4	74.0

Manual Integrations
APPROVED

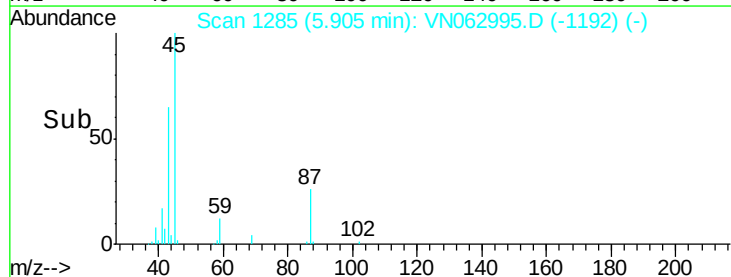
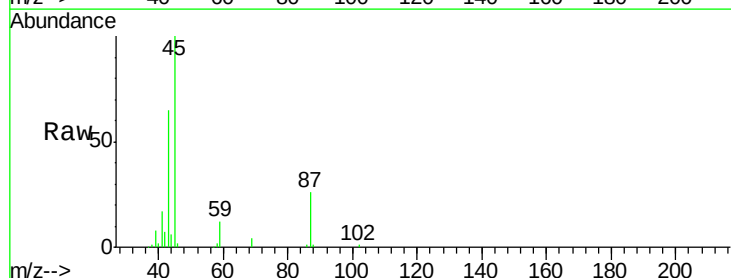
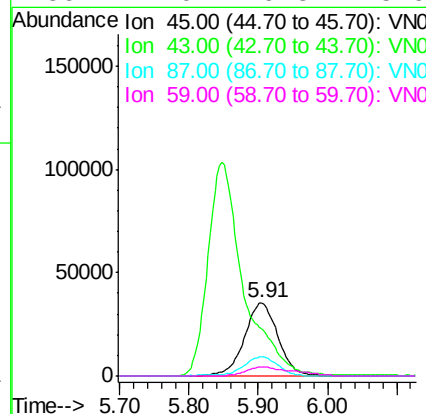
MMDadoda
8/19/2020 5:46:11 PM

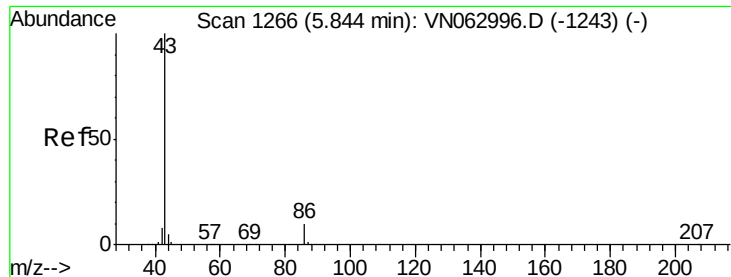


#22

Diisopropyl ether
Concen: 18.097 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	45.7	68.5
87	26.1	21.8	32.6
59	12.0	9.3	13.9





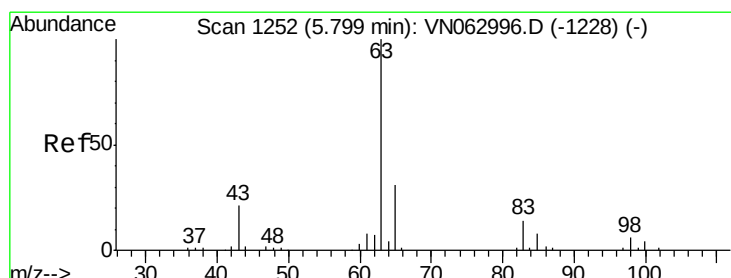
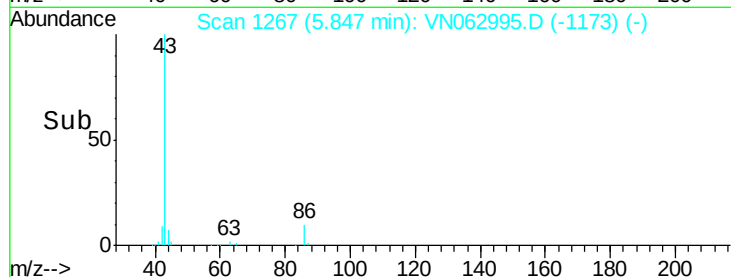
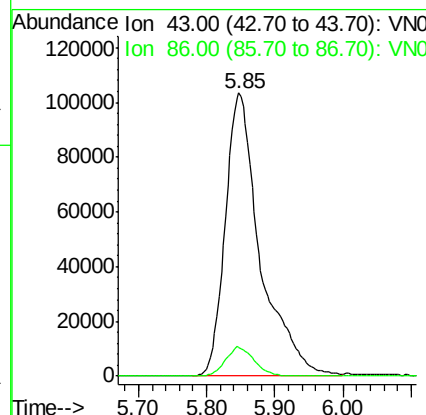
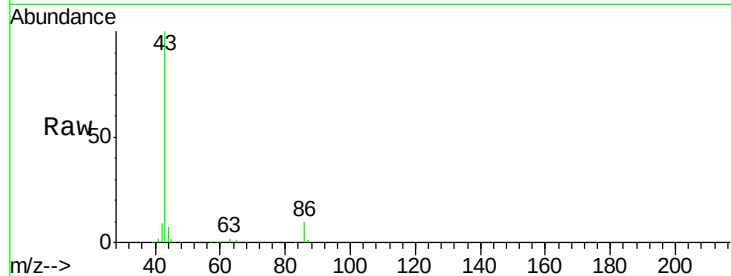
#23
 Vinyl Acetate
 Concen: 82.955 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	368486		
86	10.3		8.0	12.0

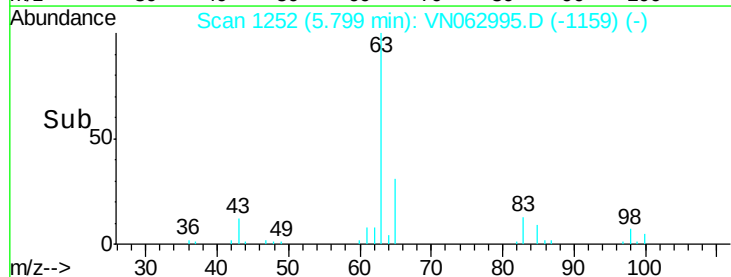
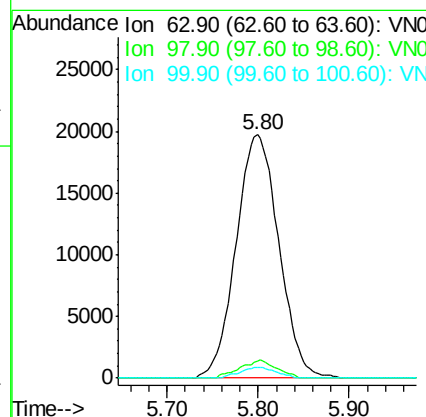
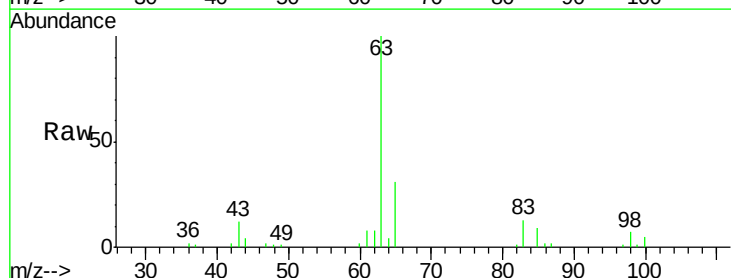
Manual Integrations
 APPROVED

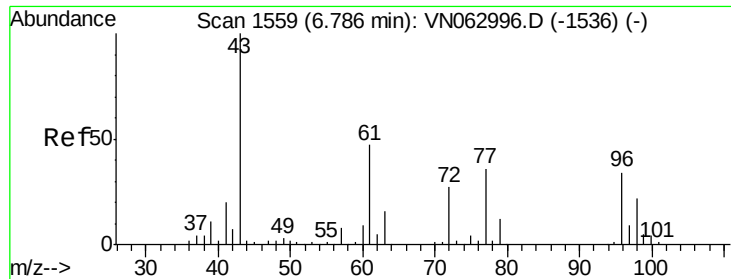
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 17.490 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	64334		
98	7.0		2.9	8.7
100	4.5		2.0	5.8





#25

2-Butanone

Concen: 86.123 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 105029

Ion Ratio Lower Upper

43 100

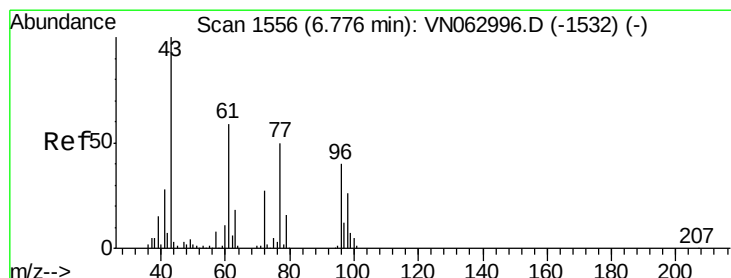
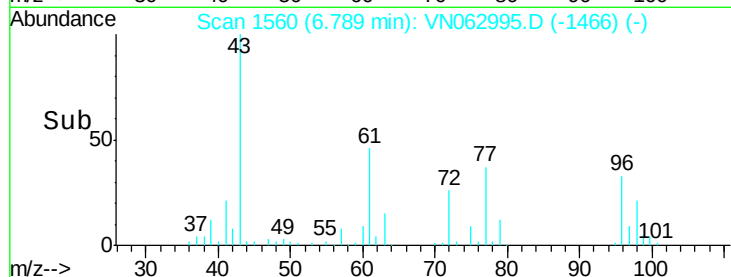
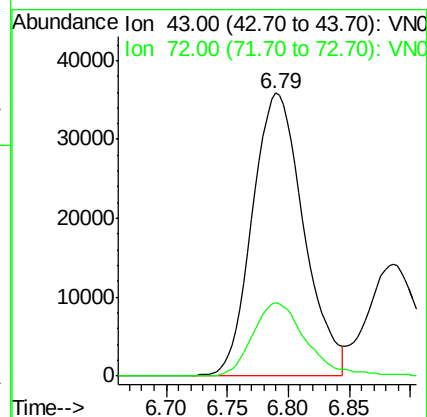
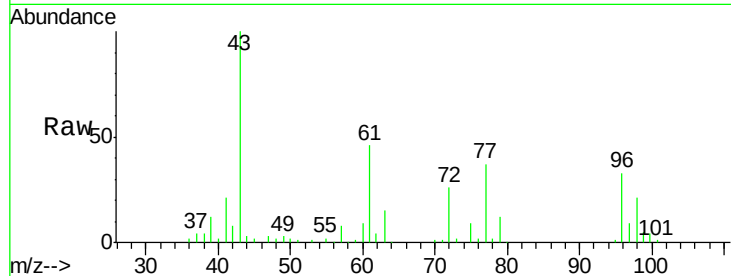
72 25.8 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/19/2020 5:46:11 PM



#26

2,2-Dichloropropane

Concen: 17.486 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062995.D

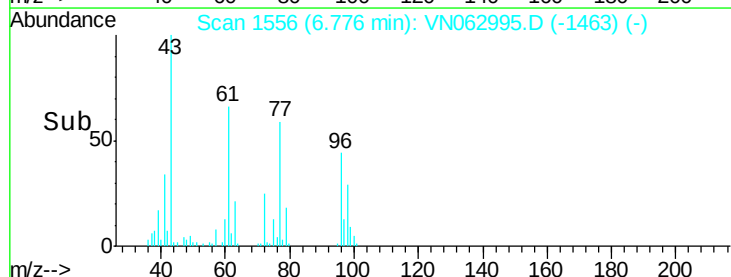
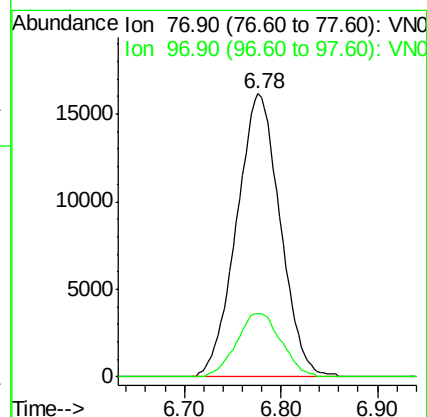
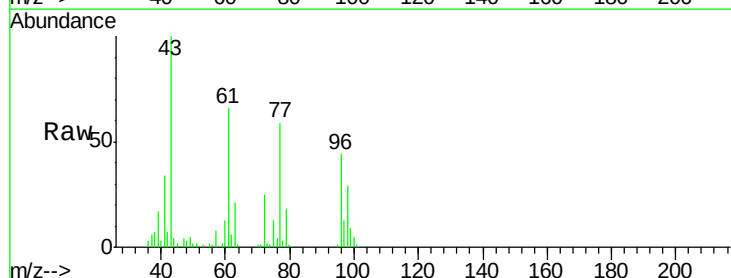
Acq: 18 Aug 2020 19:29

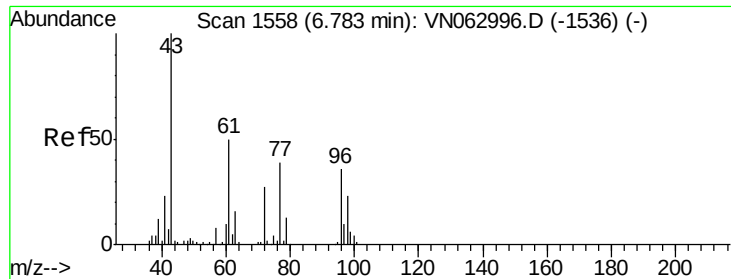
Tgt Ion: 77 Resp: 50584

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 16.933 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

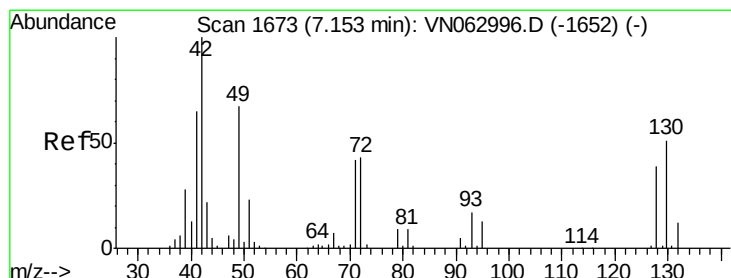
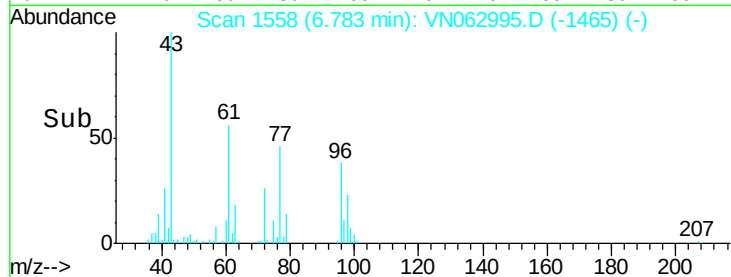
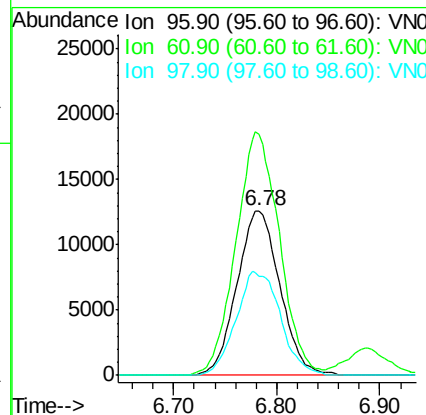
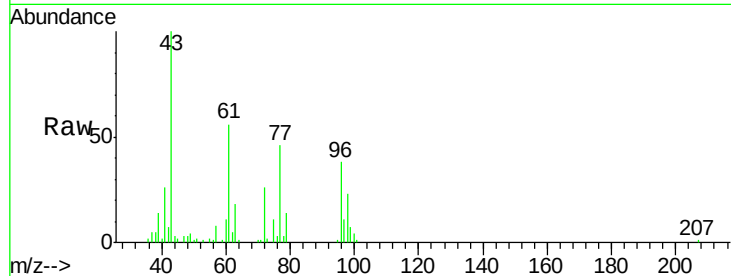
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	36542
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	292.8
98	65.0	0.0	130.6

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#28

Bromochloromethane

Concen: 18.172 ug/l

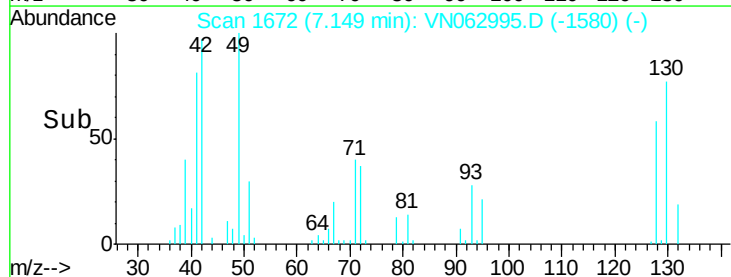
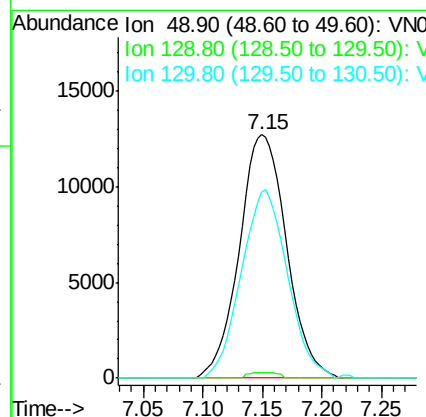
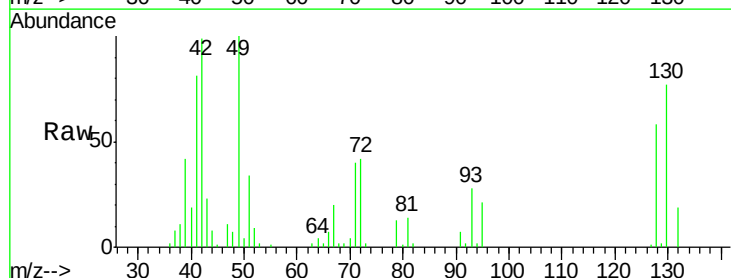
RT: 7.15 min Scan# 1672

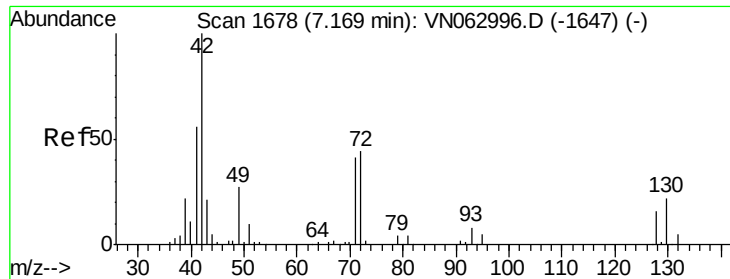
Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	49	Resp:	34974
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	75.6	61.1	91.7





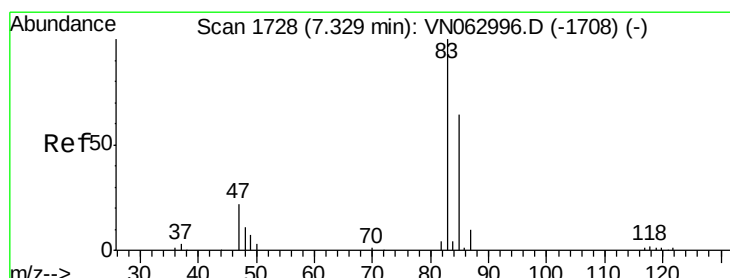
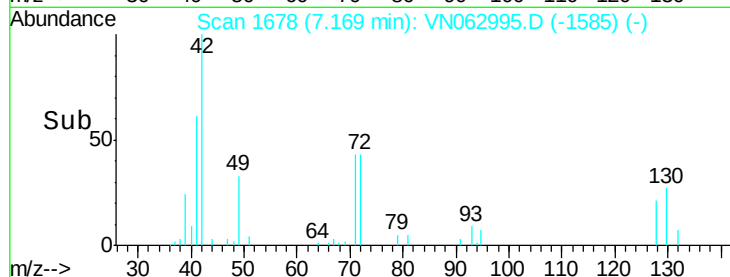
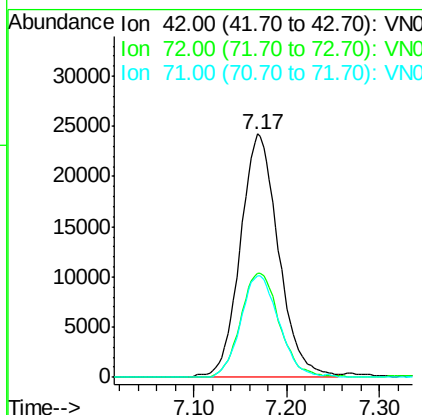
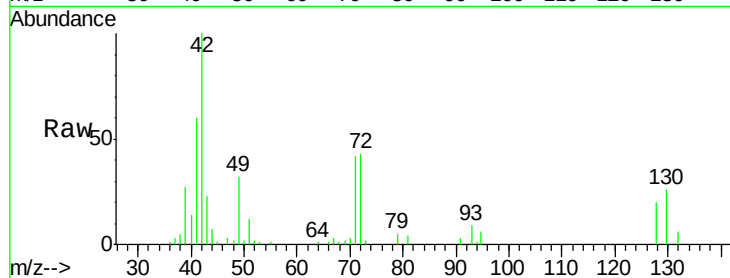
#29
Tetrahydrofuran
Concen: 88.157 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	41.7	32.3	48.5

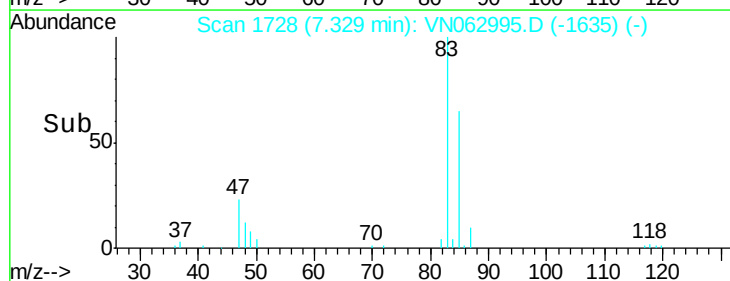
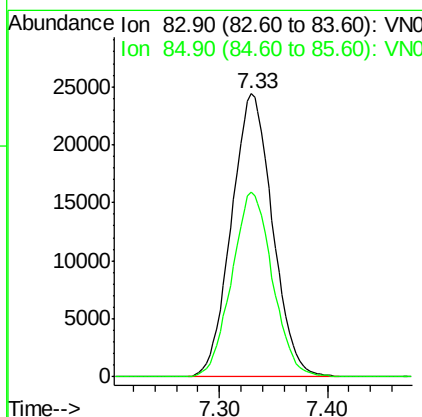
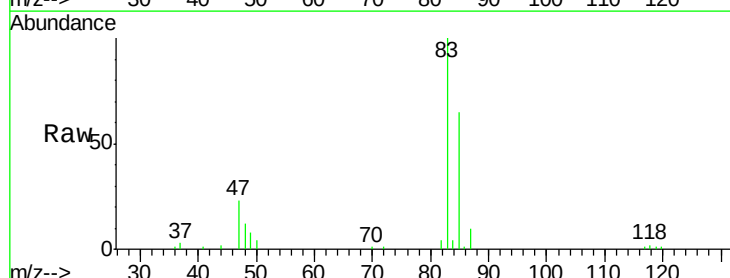
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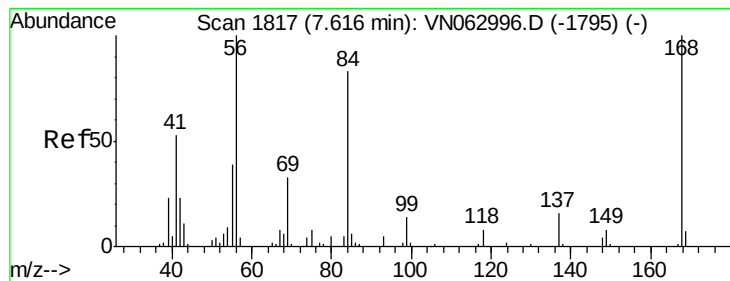
MMDadoda
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#30
Chloroform
Concen: 17.399 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





#31

Cyclohexane

Concen: 17.414 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

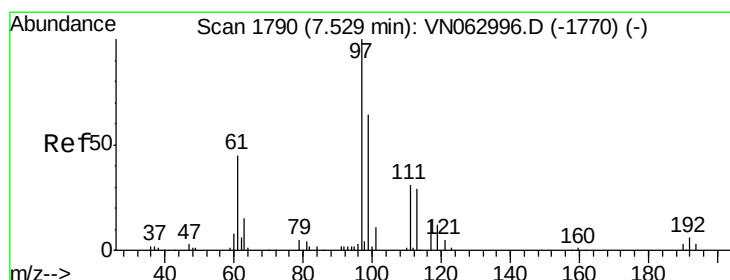
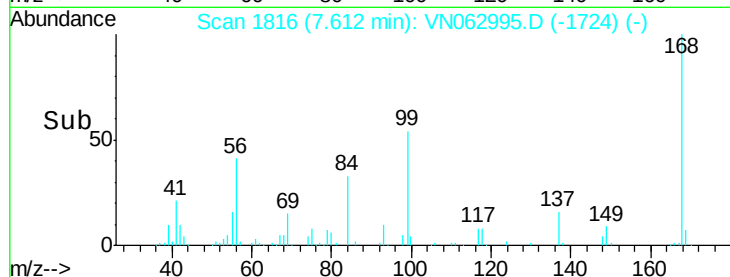
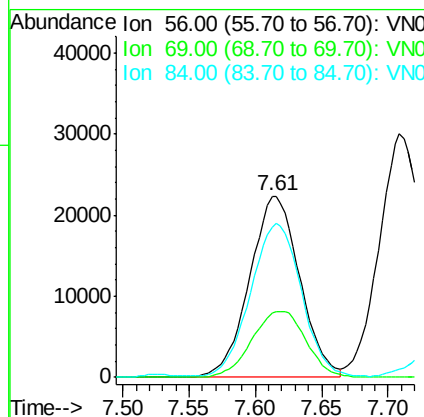
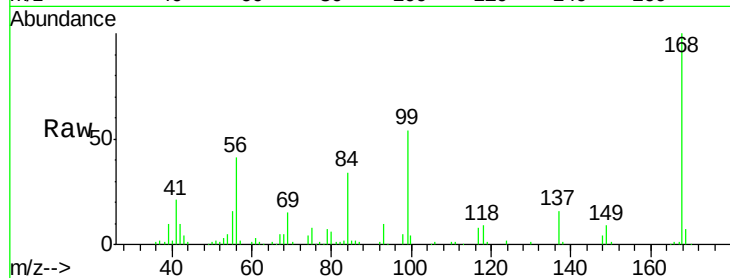
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	58956
Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.6	40.0
84	82.2	66.4	99.6

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#32

1,1,1-Trichloroethane

Concen: 17.512 ug/l

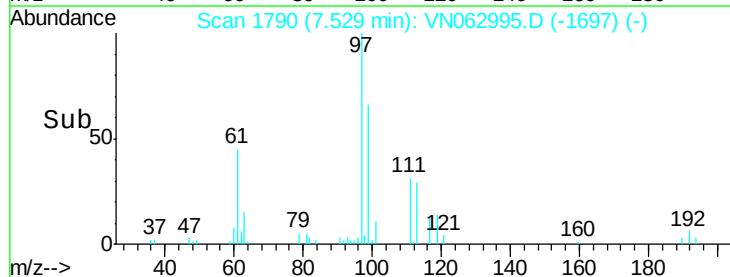
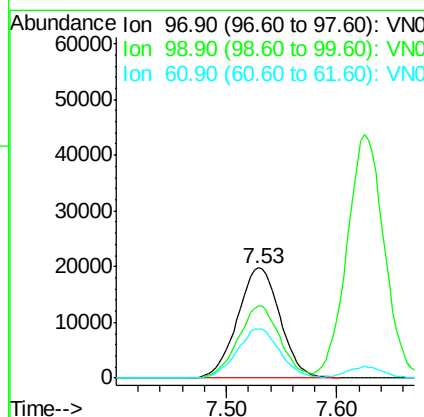
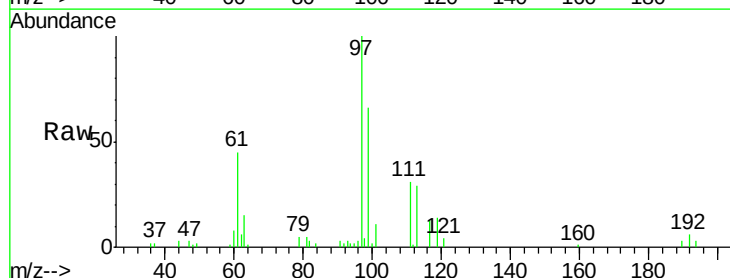
RT: 7.53 min Scan# 1790

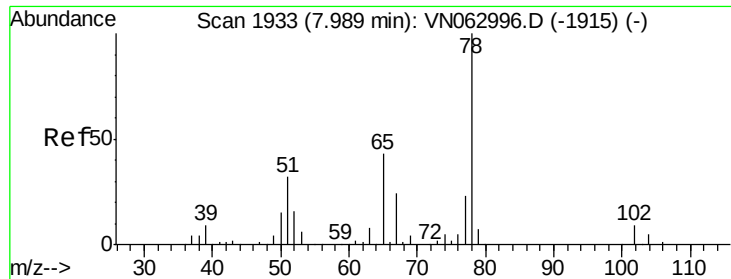
Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	97	Resp:	52964
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	45.1	36.2	54.4





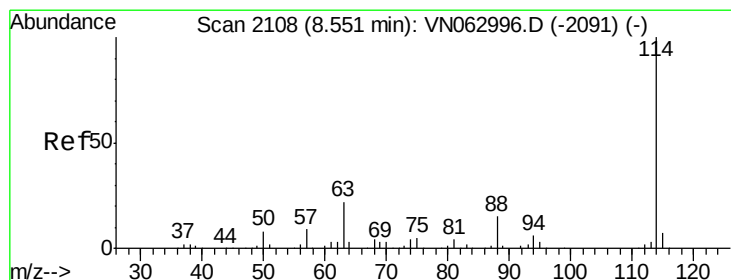
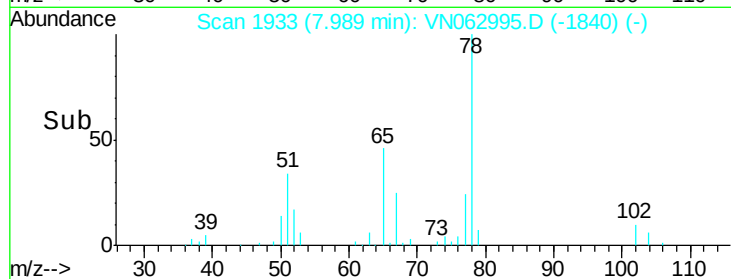
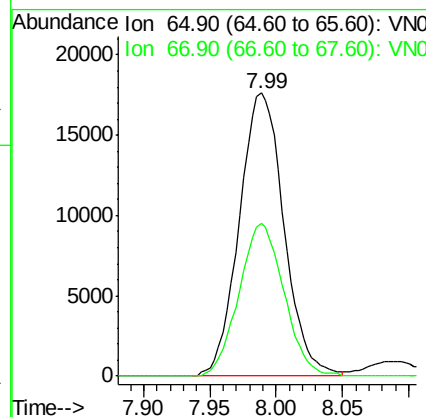
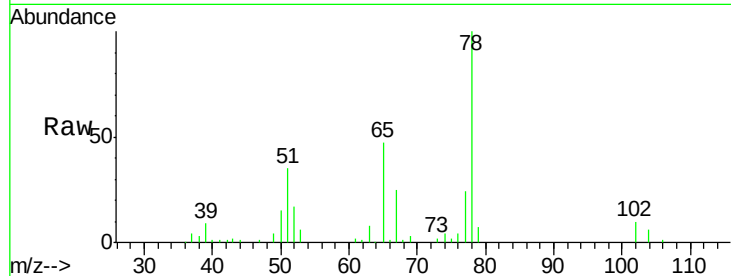
#33
 1,2-Dichloroethane-d4
 Concen: 17.975 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	41290		
67	54.2	0.0	112.0	

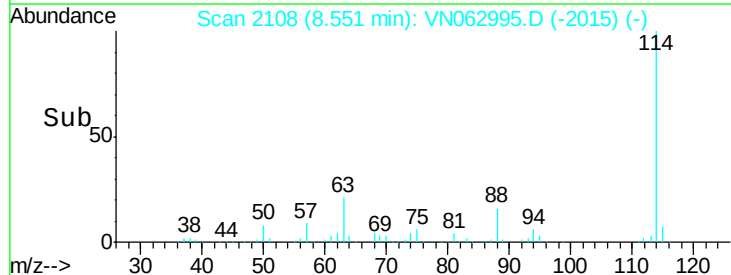
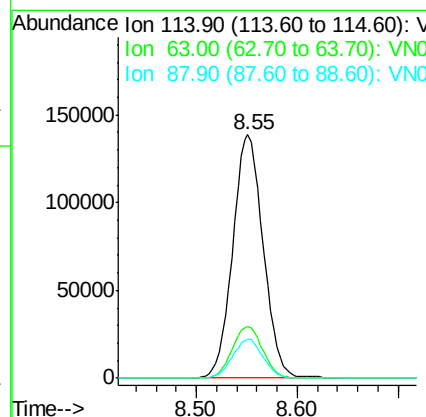
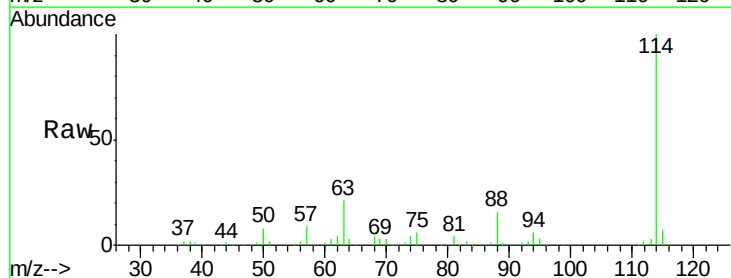
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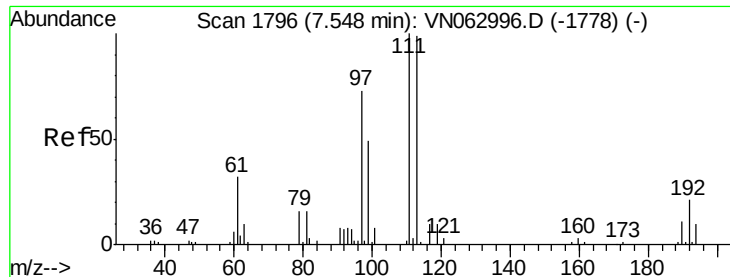
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	291510		
63	21.2	0.0	43.2	
88	16.1	0.0	30.6	





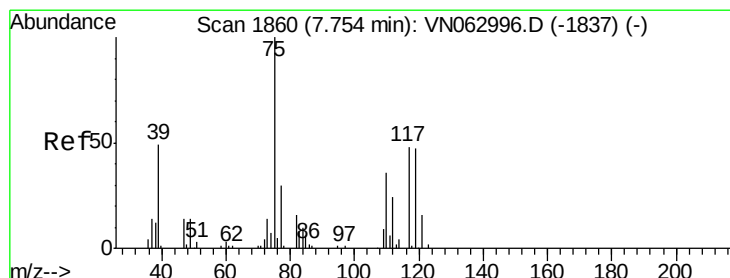
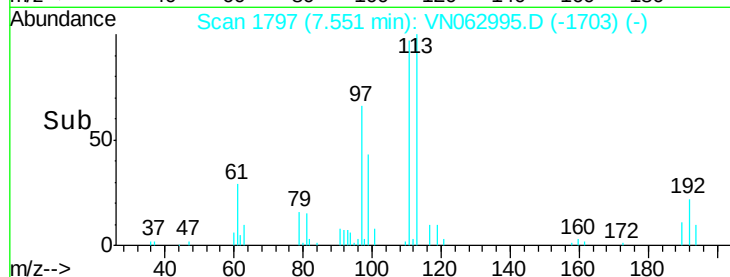
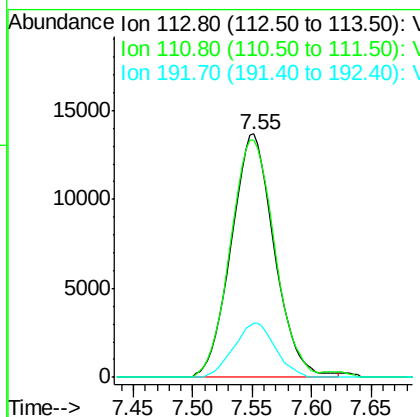
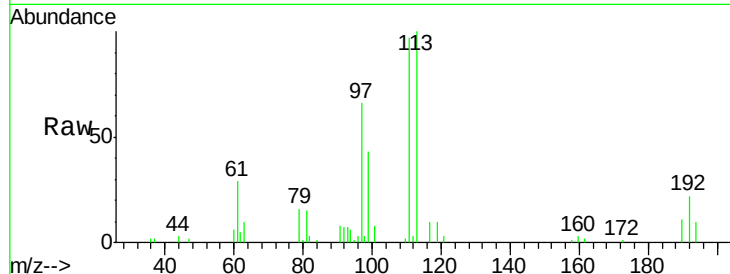
#35
 Dibromofluoromethane
 Concen: 18.063 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	34311		
111	100.4	81.7	122.5	
192	21.4	17.5	26.3	

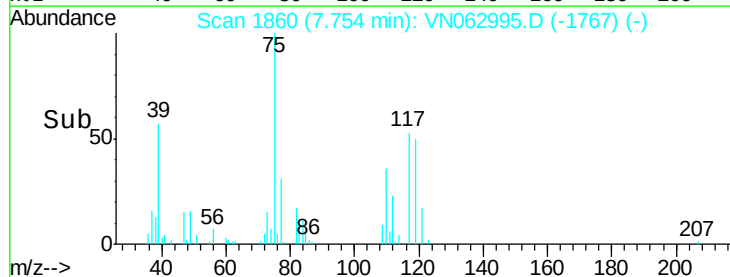
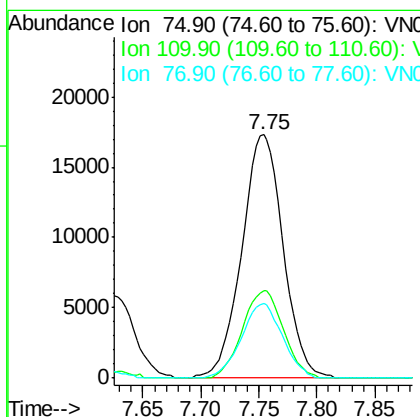
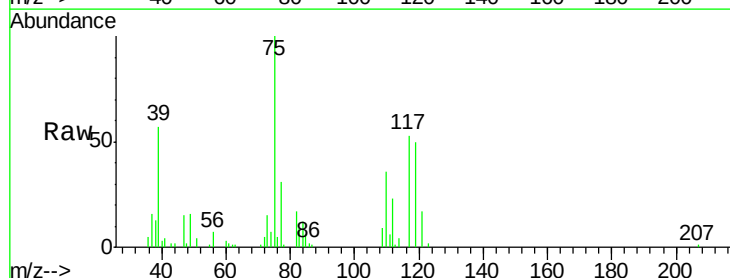
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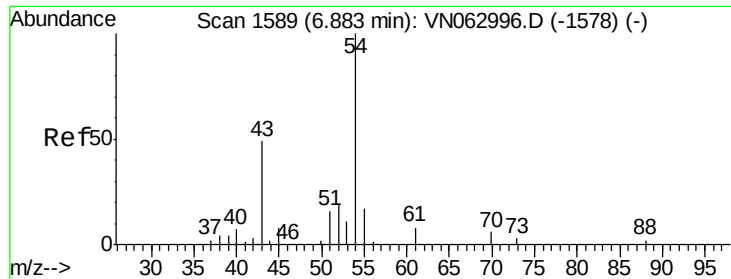
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#36
 1,1-Dichloropropene
 Concen: 16.698 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42897		
110	35.5	17.5	52.6	
77	30.6	24.2	36.4	





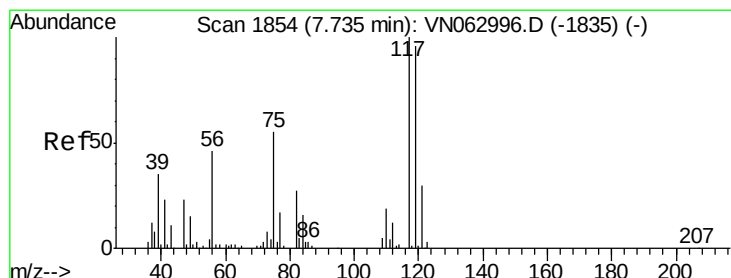
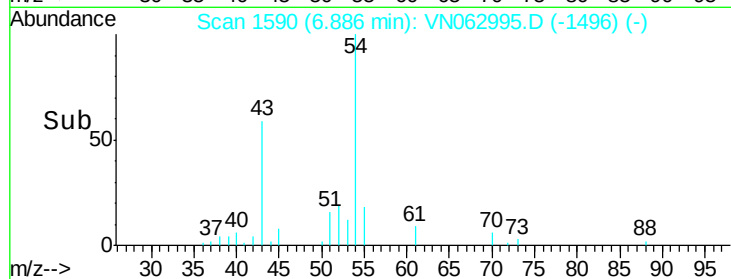
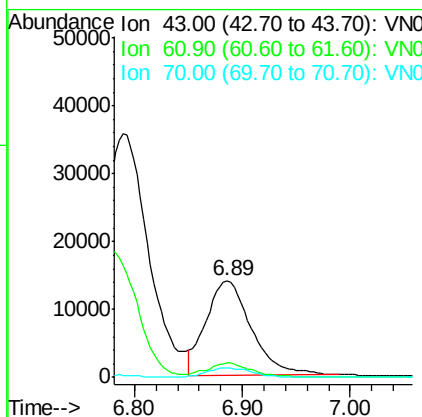
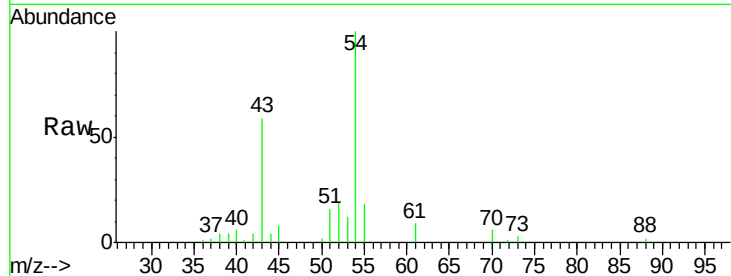
#37
Ethyl Acetate
Concen: 17.079 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	9.7	8.2	12.2

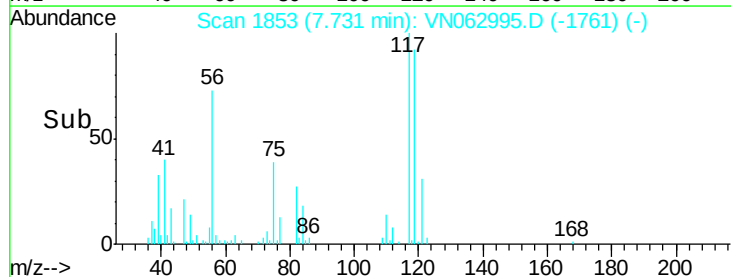
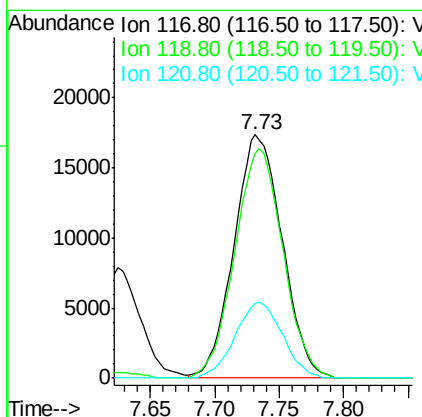
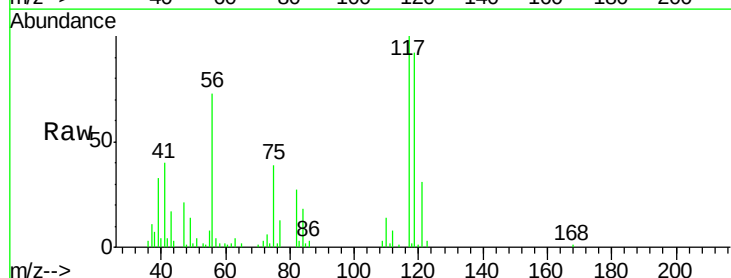
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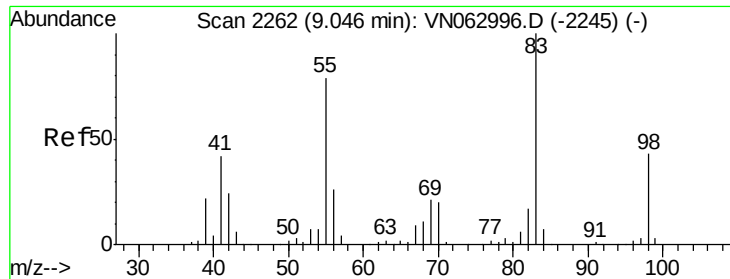
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.426 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.2	114.4
121	30.9	24.2	36.2





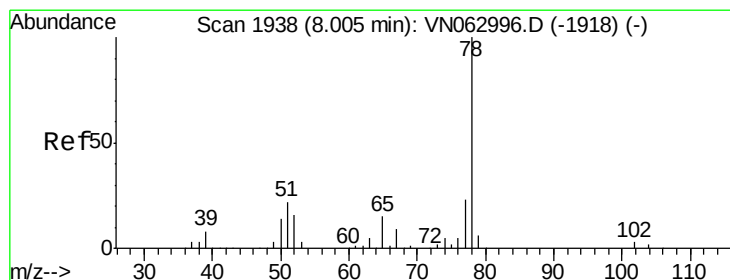
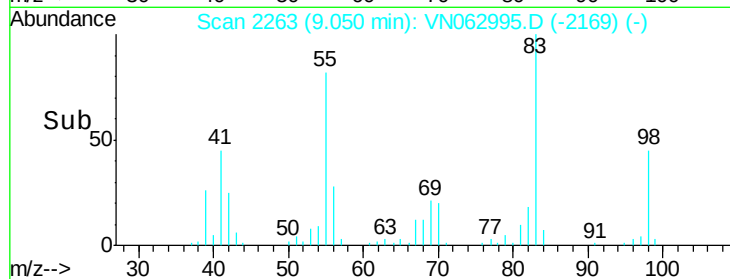
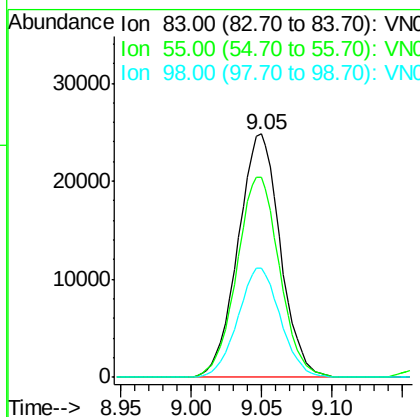
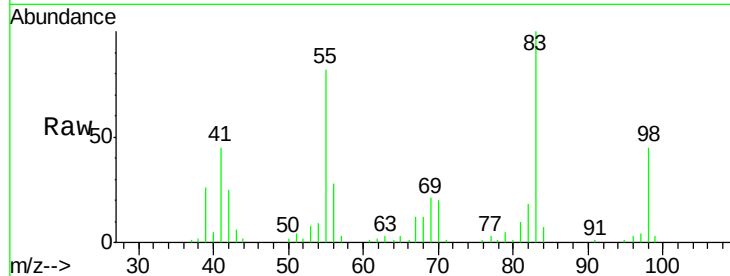
#39
Methylvlcyclohexane
Concen: 17.115 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	51954		
55	82.2	63.3	94.9	
98	44.8	34.2	51.4	

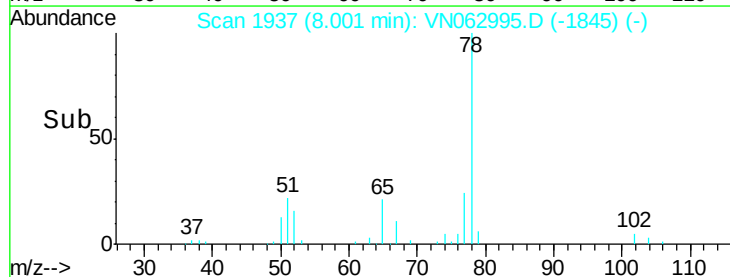
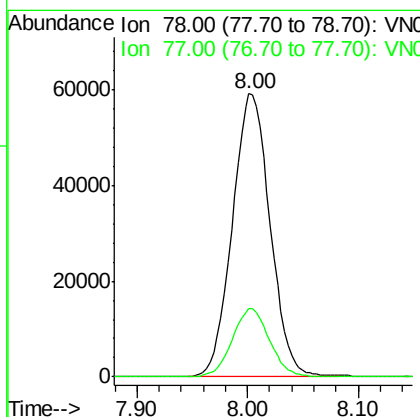
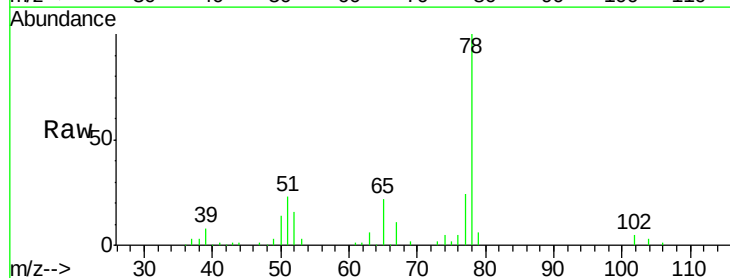
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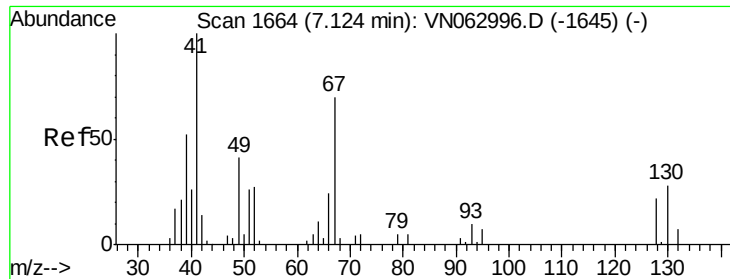
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#40
Benzene
Concen: 17.197 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	140121		
77	23.9	18.8	28.2	





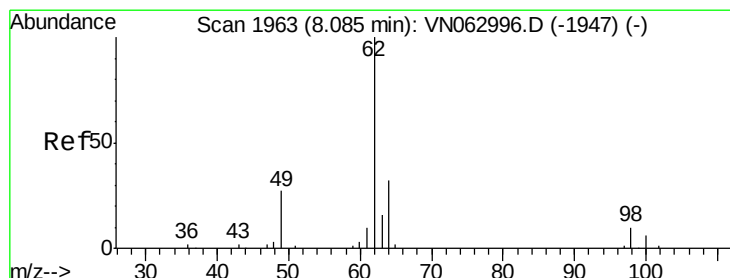
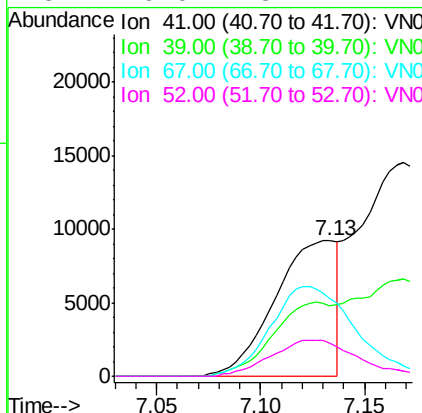
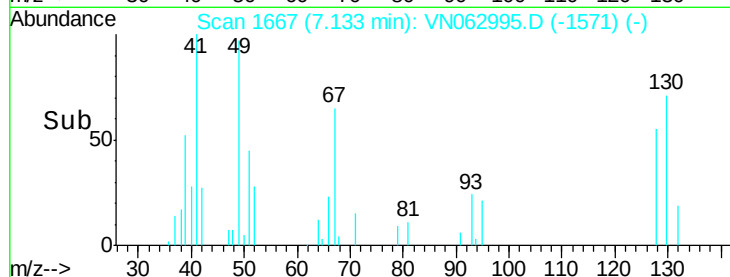
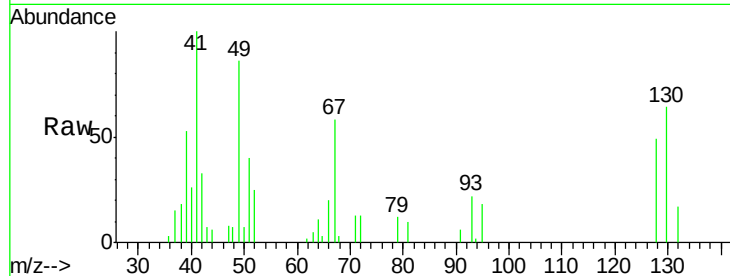
#41
Methacrylonitrile
Concen: 16.531 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.6	62.4#
67	0.0	71.8	107.8#
52	0.0	28.2	42.4#

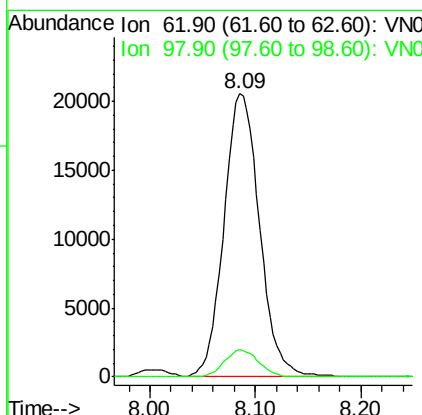
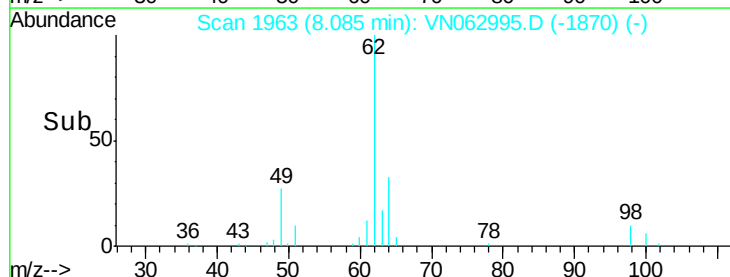
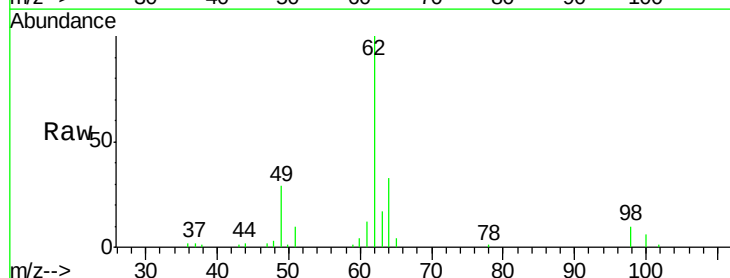
Manual Integrations
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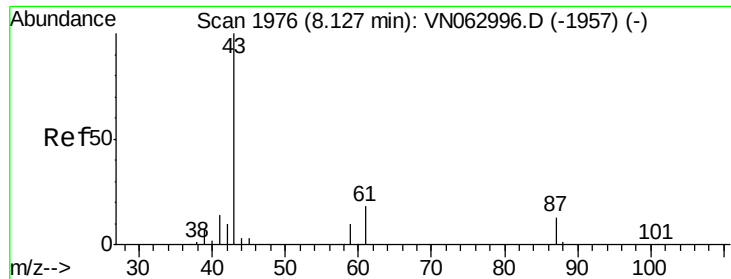
MMDadoda
8/19/2020 5:46:11 PM



#42
1,2-Dichloroethane
Concen: 17.569 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 16.983 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

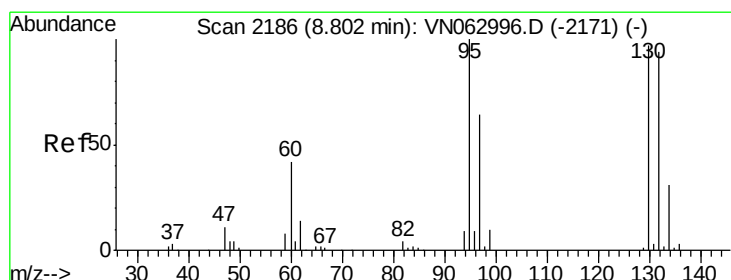
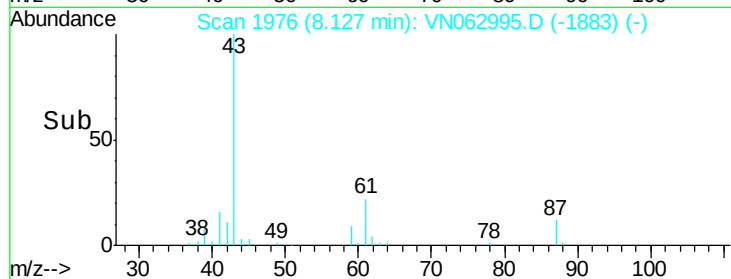
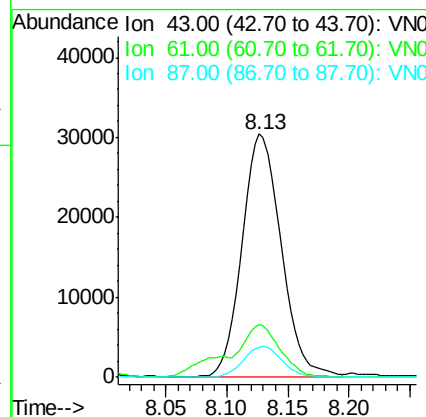
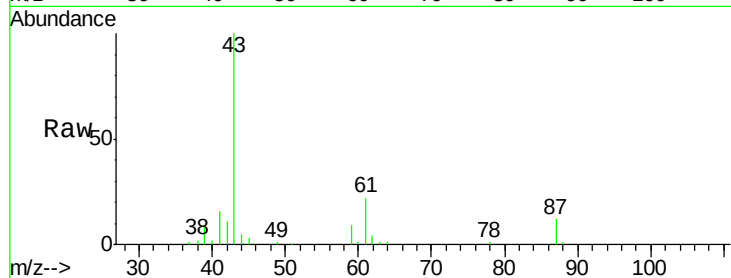
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	67725
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.6	33.8
87	12.4	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 16.986 ug/l

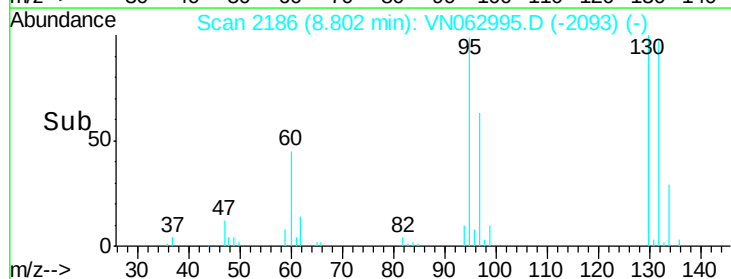
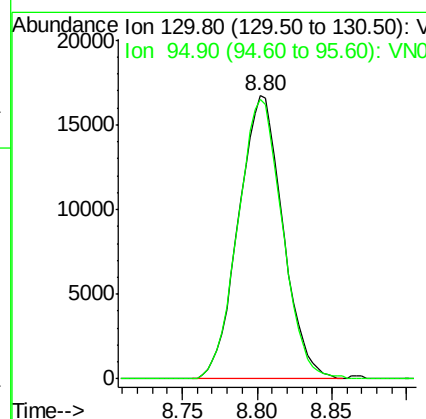
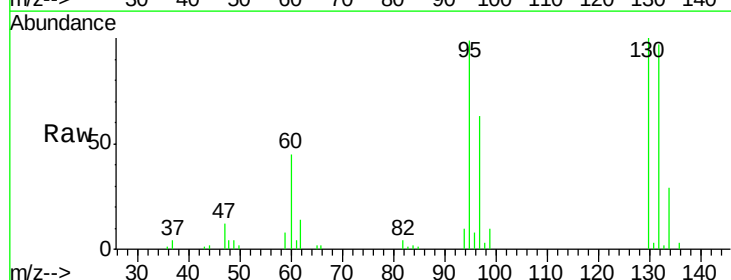
RT: 8.80 min Scan# 2186

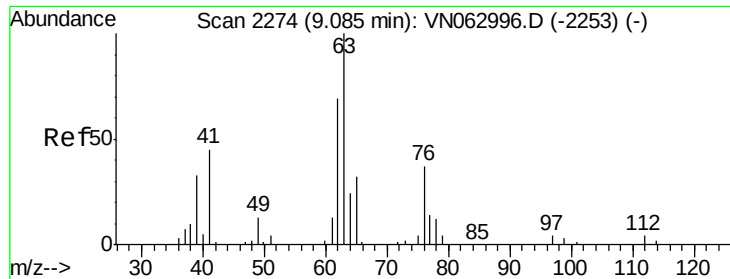
Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	130	Resp:	34426
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	205.6





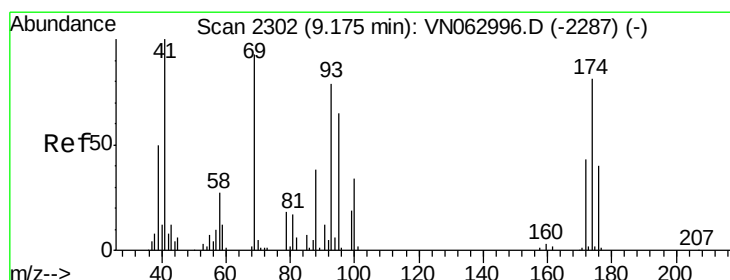
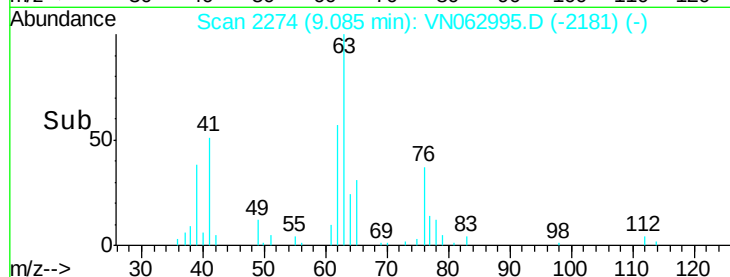
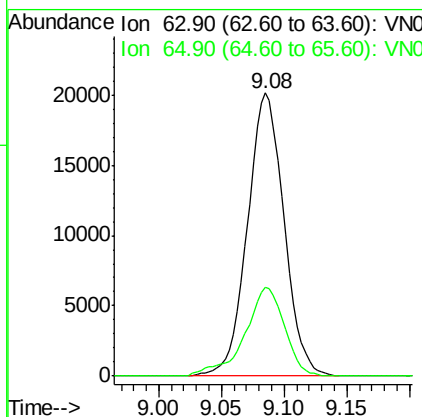
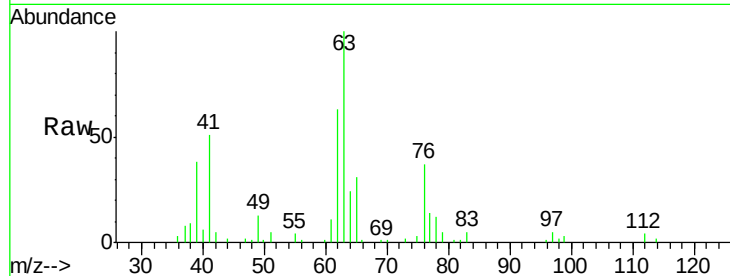
#45
 1,2-Dichloropropane
 Concen: 17.372 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.6	38.4

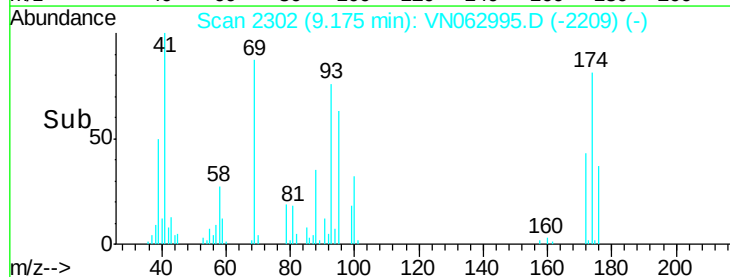
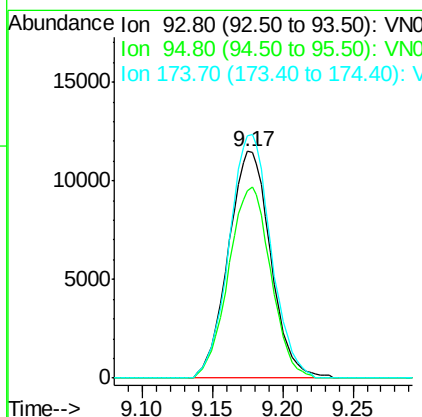
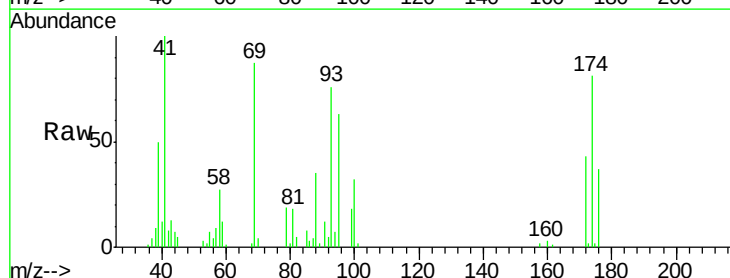
Manual Integrations
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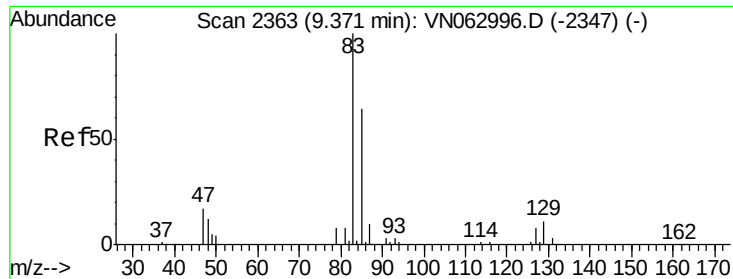
MMDadoda
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#46
 Dibromomethane
 Concen: 17.726 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.2	99.4
174	106.0	84.6	127.0





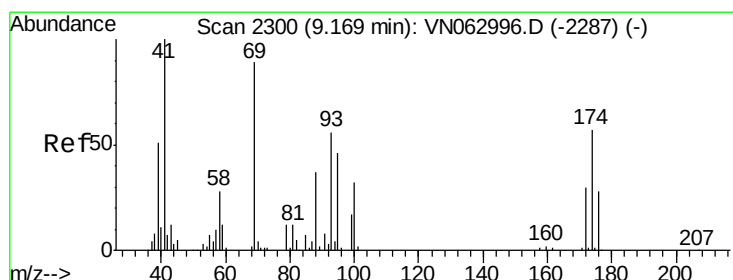
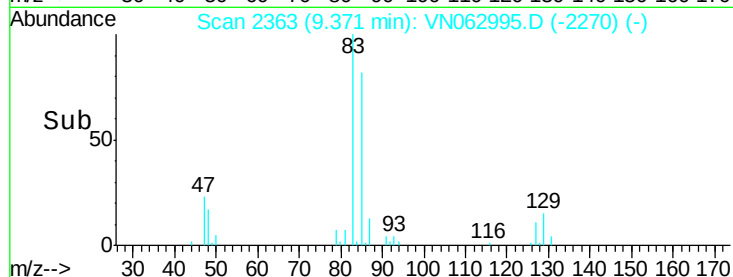
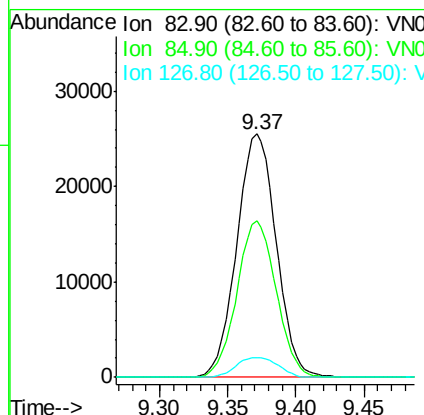
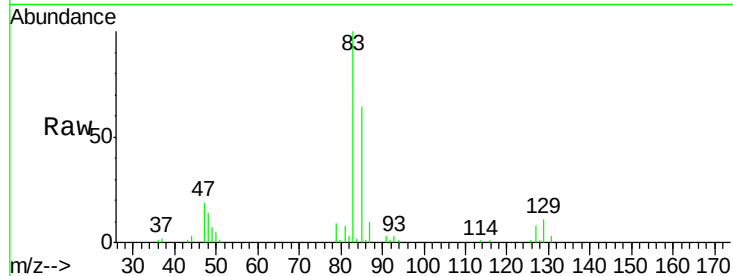
#47
Bromodichloromethane
Concen: 17.211 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	51288
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.3	6.6	9.8

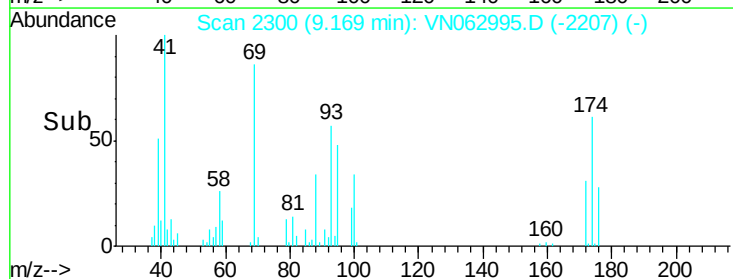
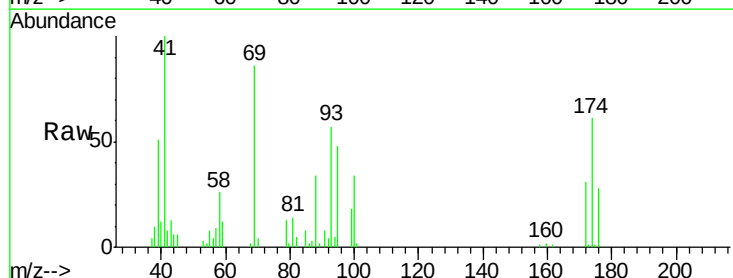
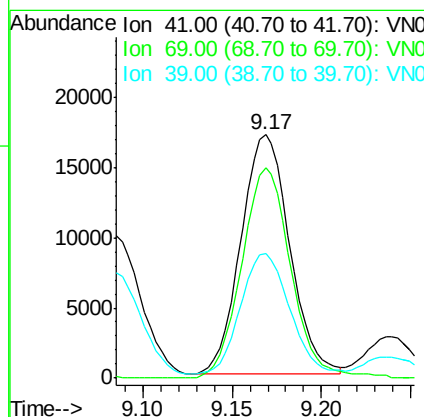
Manual Integrations
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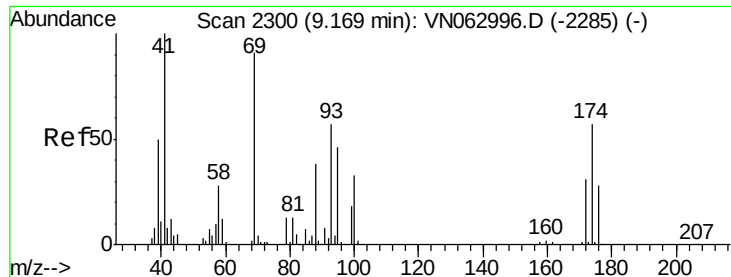
MMDadoda
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#48
Methyl methacrylate
Concen: 17.303 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion:	41	Resp:	32649
Ion	Ratio	Lower	Upper
41	100		
69	87.6	74.2	111.4
39	55.0	42.5	63.7





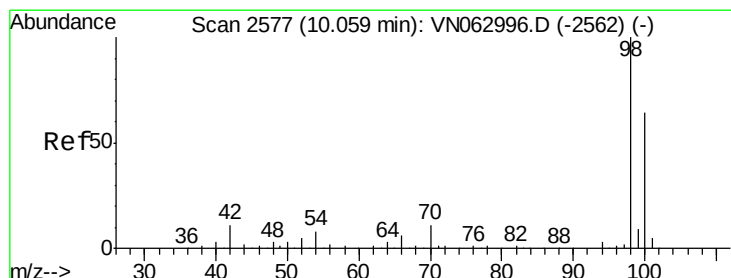
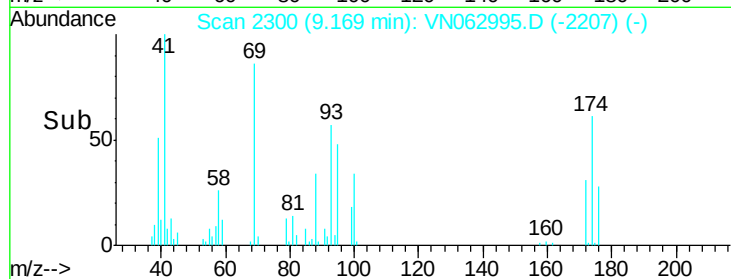
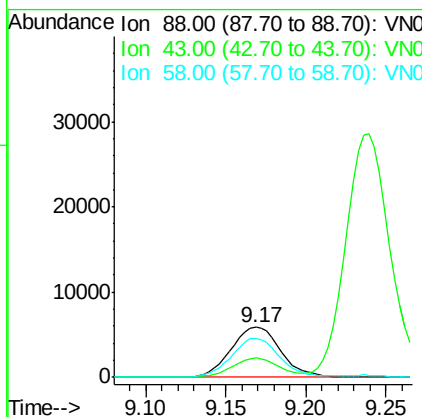
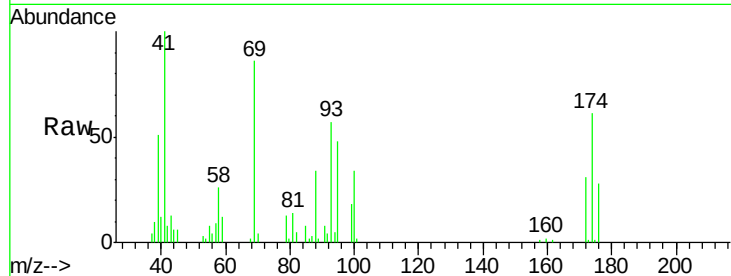
#49
1,4-Dioxane
Concen: 338.038 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	12433
Ion	Ratio	Lower	Upper
88	100		
43	36.7	25.2	37.8
58	75.6	56.7	85.1

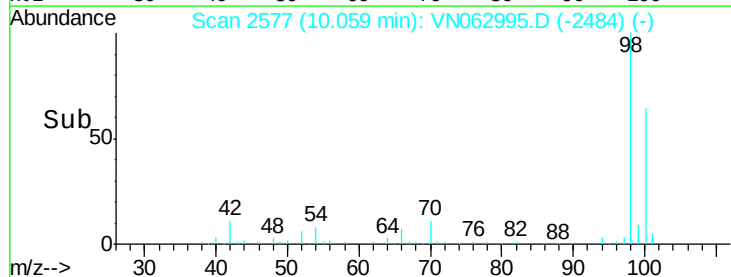
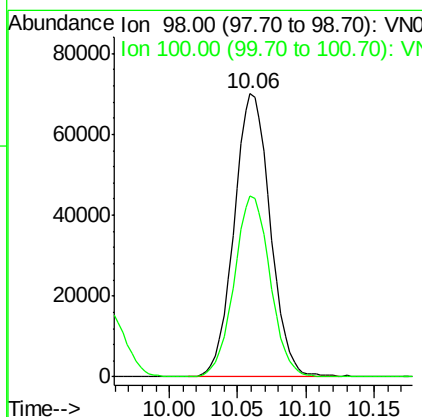
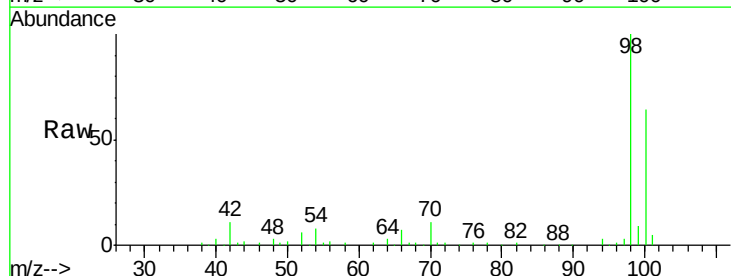
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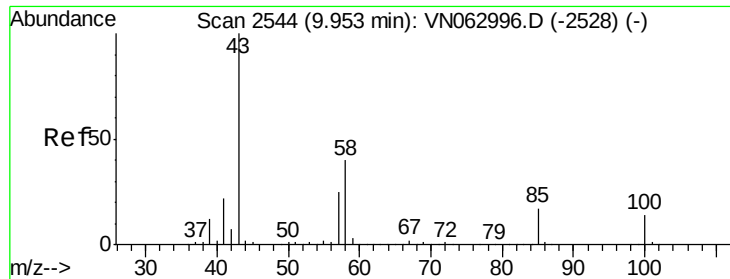
MMDadoda
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#50
Toluene-d8
Concen: 17.678 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	98	Resp	128981
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





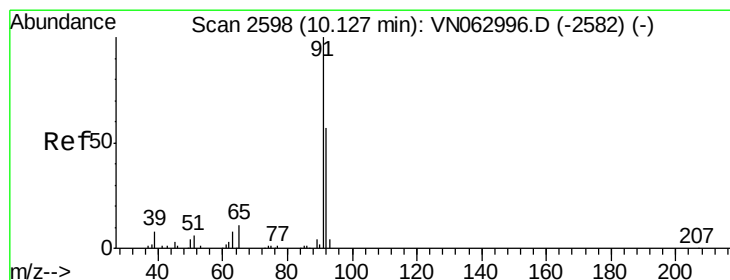
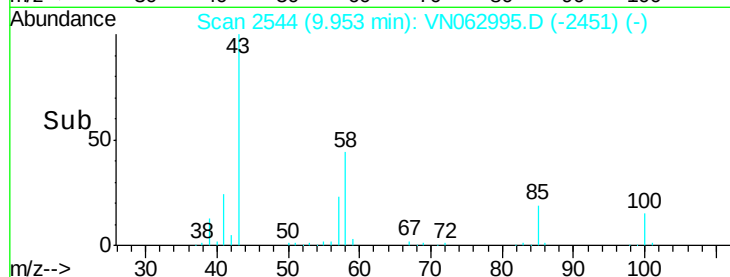
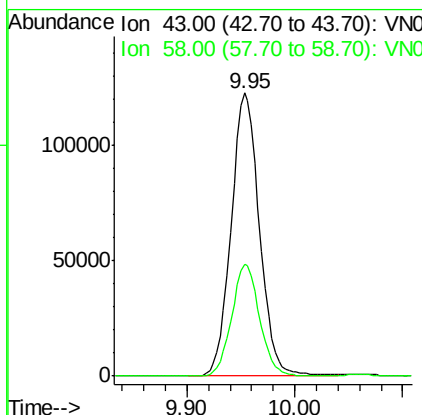
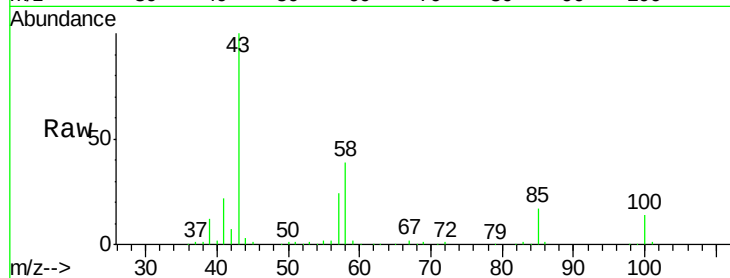
#51
4-Methyl-2-Pentanone
Concen: 89.320 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	32.2	48.2

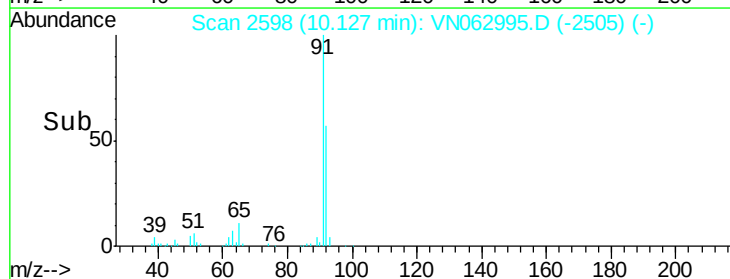
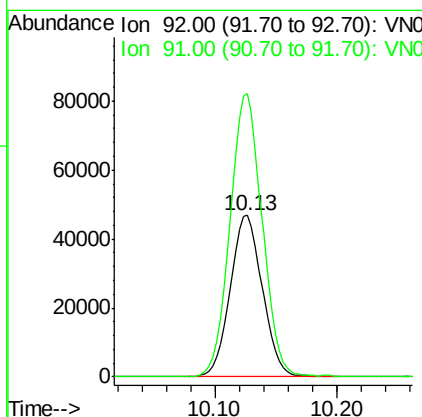
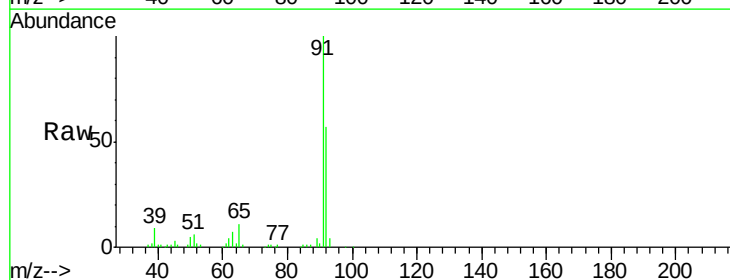
Manual Integrations
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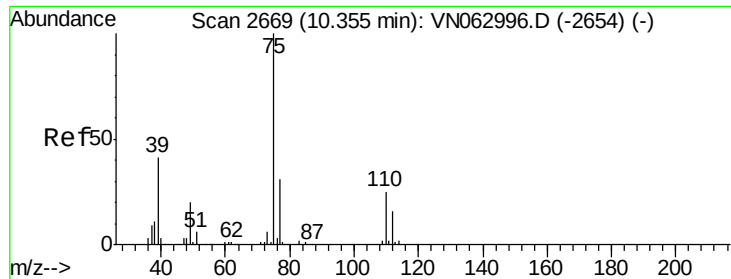
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#52
Toluene
Concen: 17.490 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.2	208.8





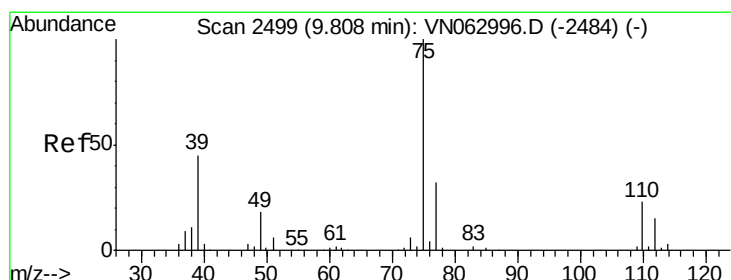
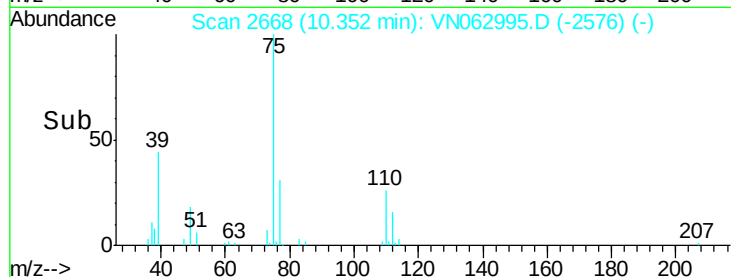
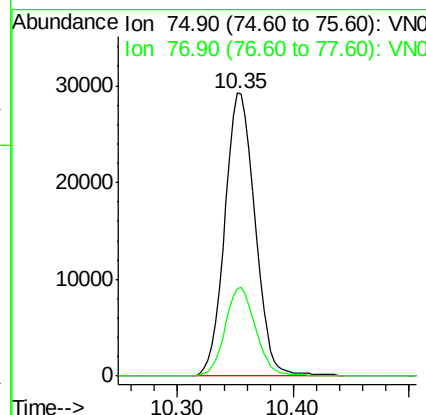
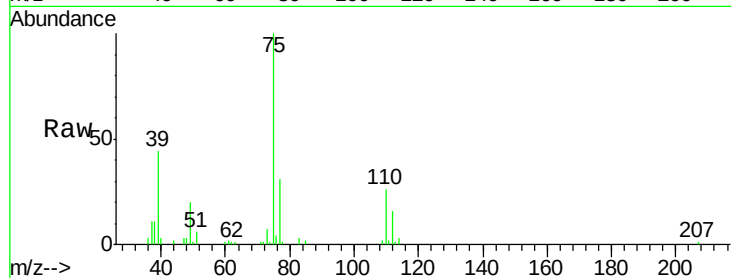
#53
t-1,3-Dichloropropene
Concen: 17.165 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 52898
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

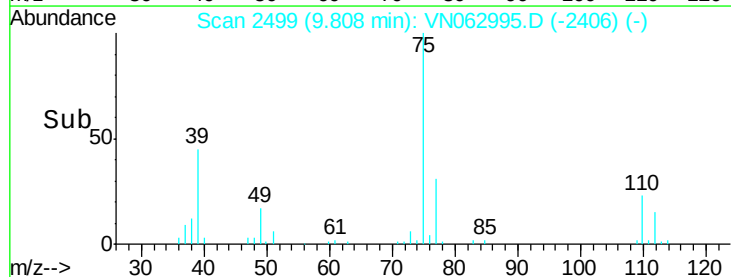
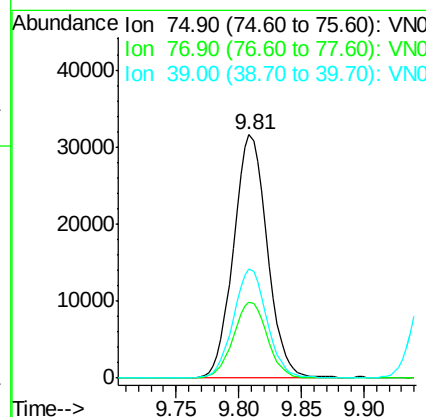
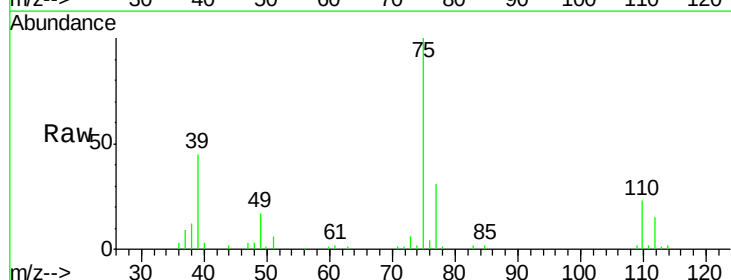
Manual Integrations
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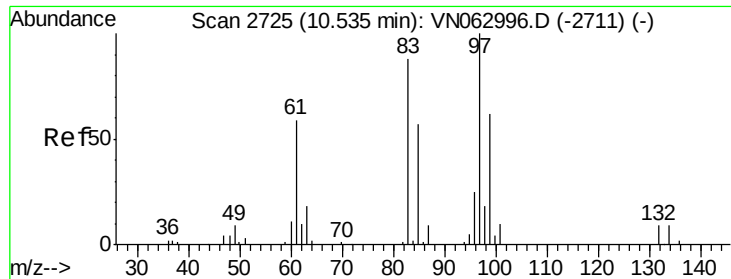
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#54
cis-1,3-Dichloropropene
Concen: 17.438 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 75 Resp: 58951
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 44.6 35.7 53.5





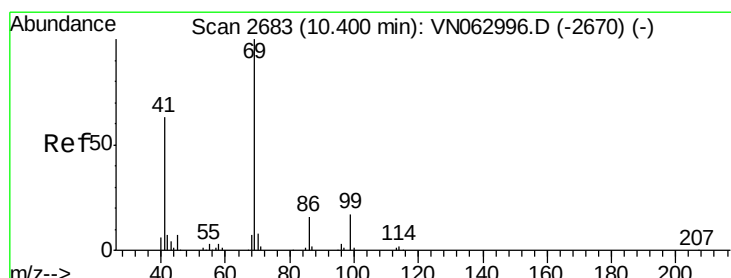
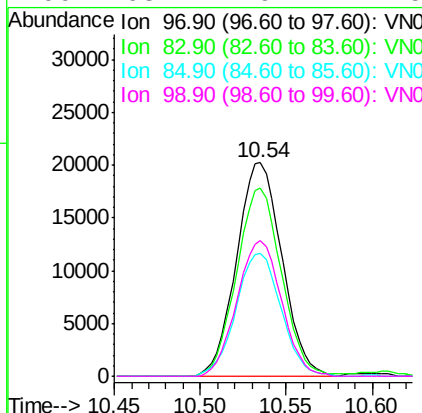
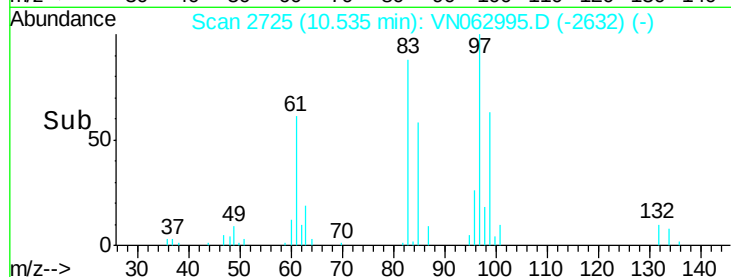
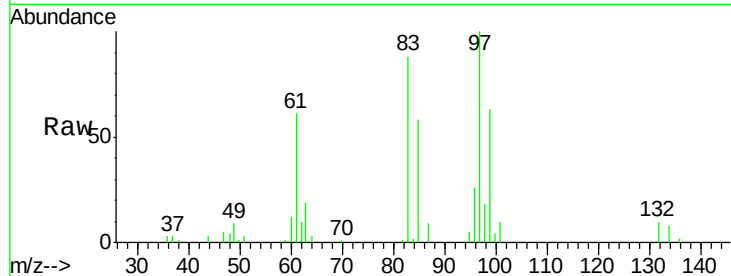
#55
 1,1,2-Trichloroethane
 Concen: 17.653 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		37100		
83	88.4	70.5	105.7		
85	57.8	45.8	68.6		
99	63.4	49.7	74.5		

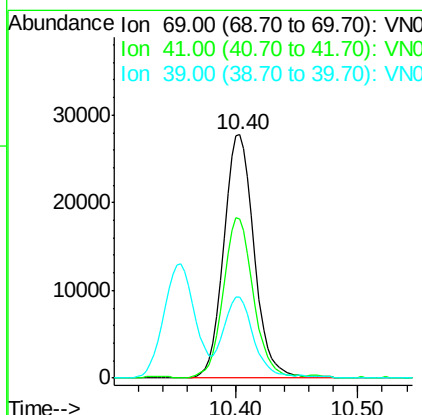
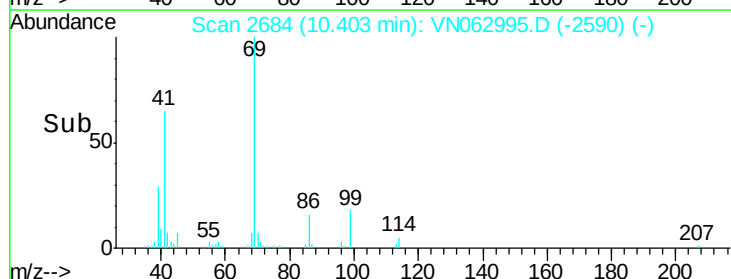
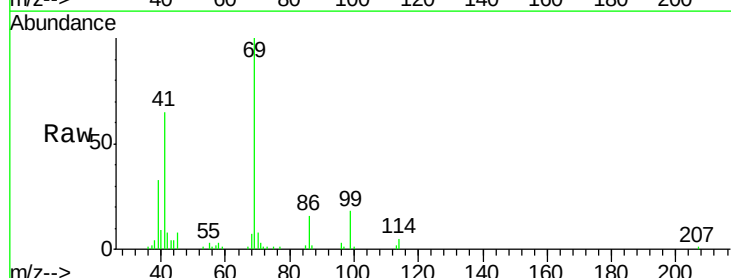
Manual Integrations
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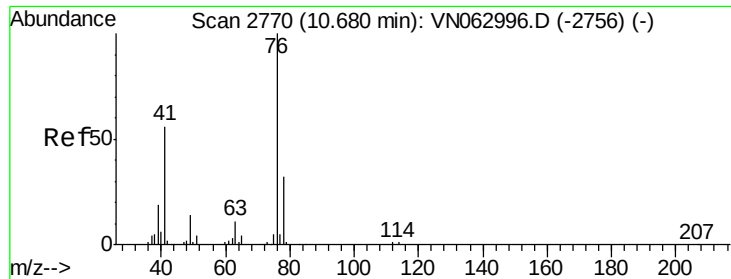
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#56
 Ethyl methacrylate
 Concen: 17.154 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48682		
41	65.4	50.2	75.2		
39	33.7	24.2	36.4		





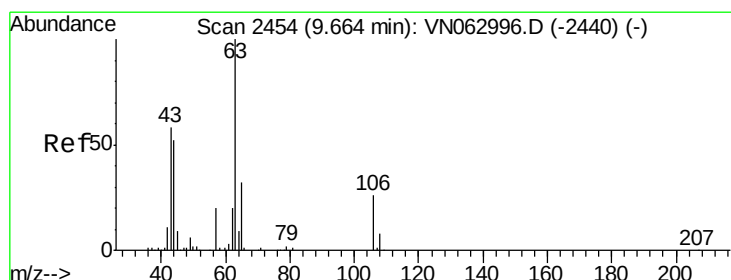
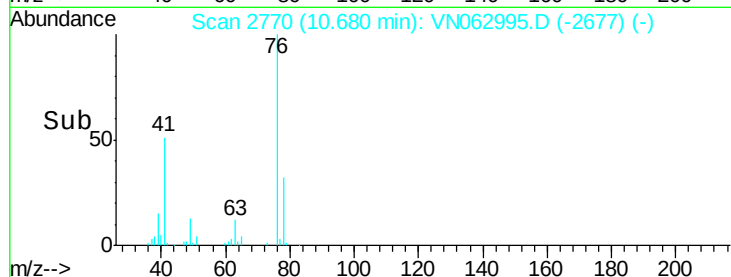
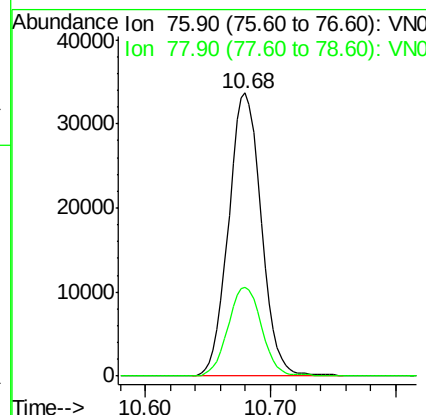
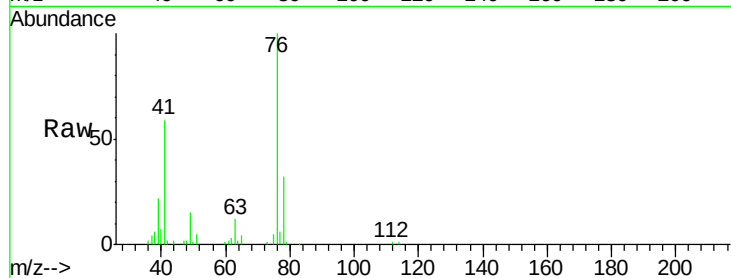
#57
 1,3-Dichloropropane
 Concen: 17.493 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 61047
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

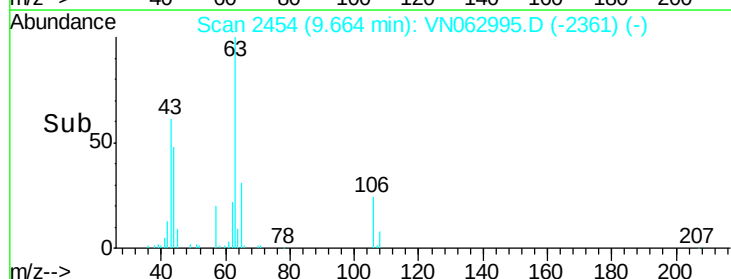
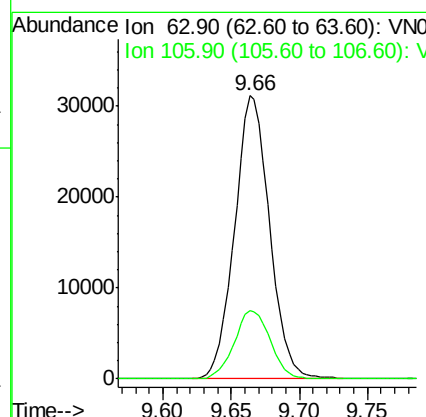
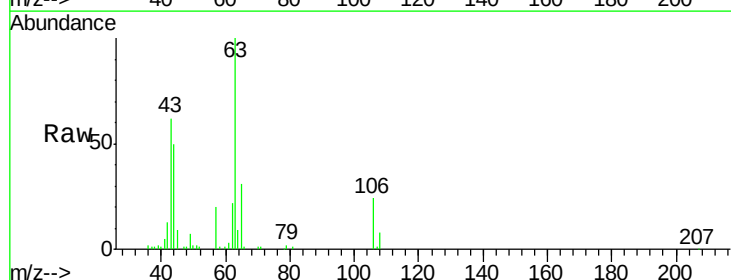
Manual Integrations
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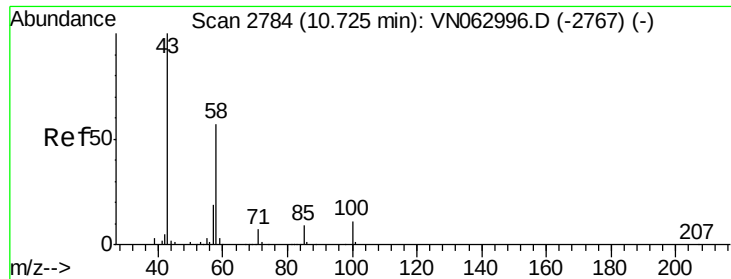
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 8/19/2020 5:46:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.573 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 63 Resp: 55484
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.7 31.1





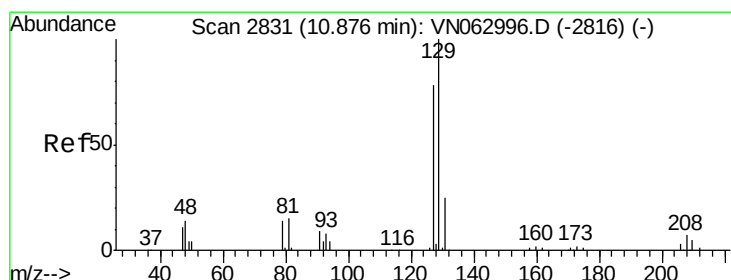
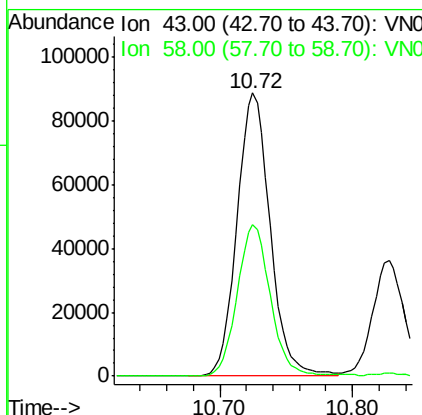
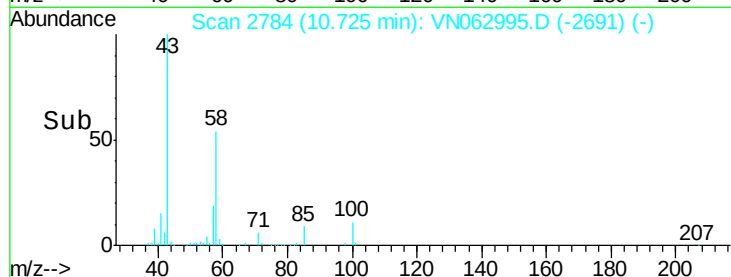
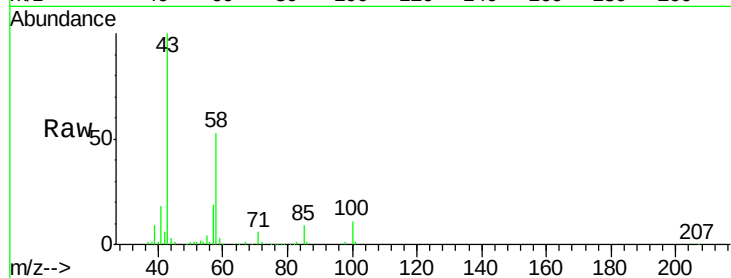
#59
2-Hexanone
Concen: 87.762 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	28.1	84.3

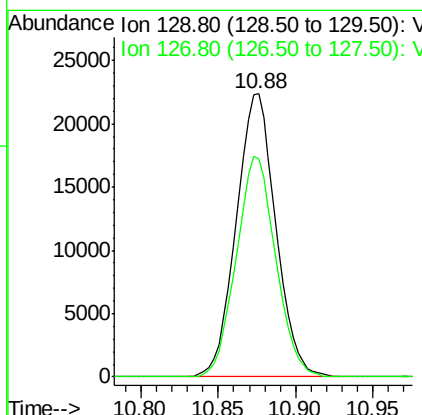
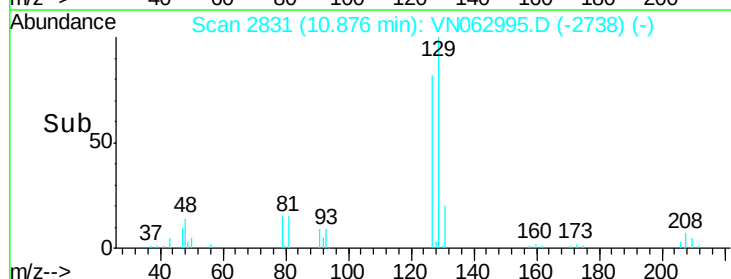
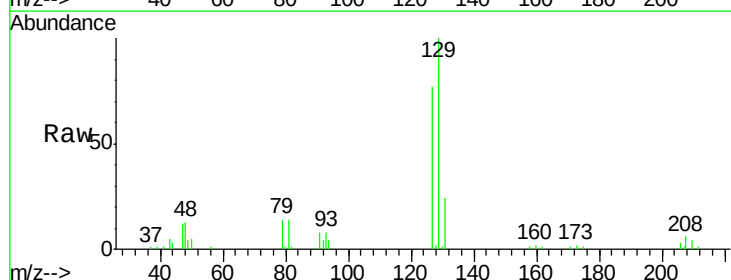
Manual Integrations
APPROVED

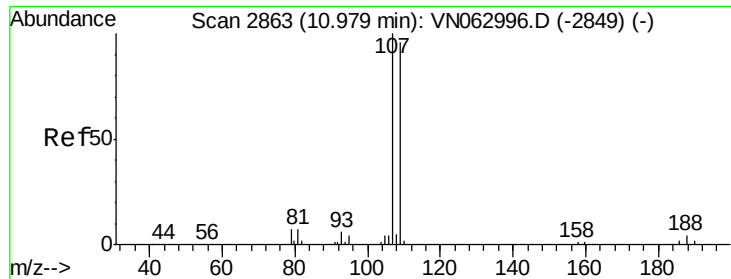
MMDadoda
8/19/2020 5:46:11 PM



#60
Dibromochloromethane
Concen: 17.098 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2





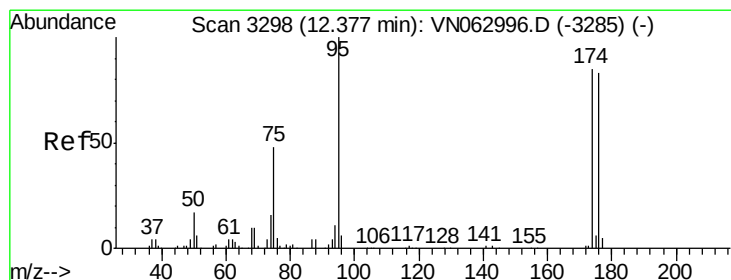
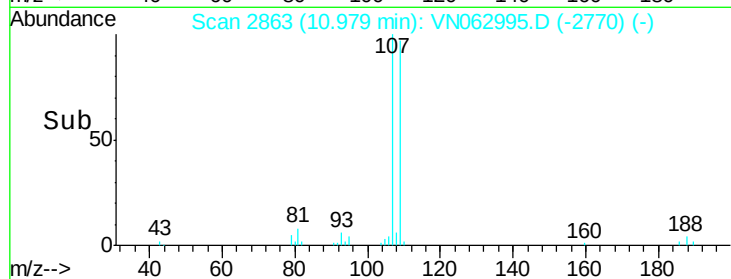
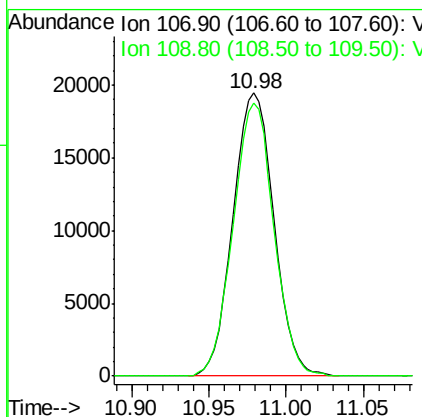
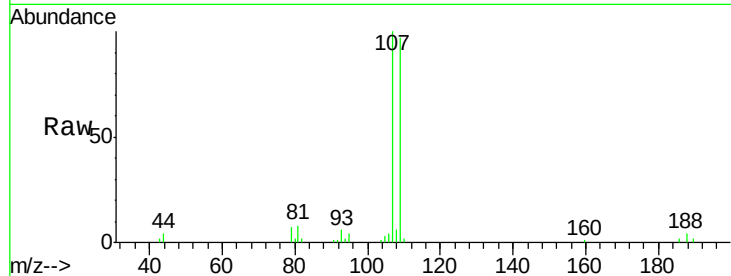
#61
 1,2-Dibromoethane
 Concen: 17.744 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 35832
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5

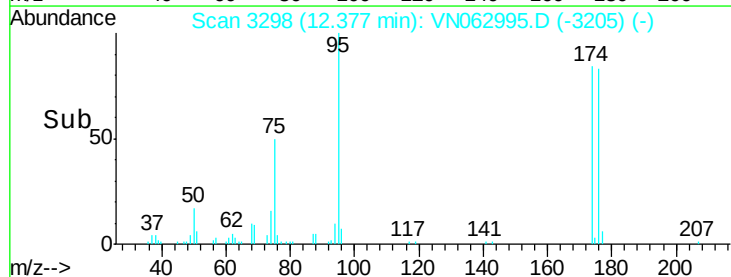
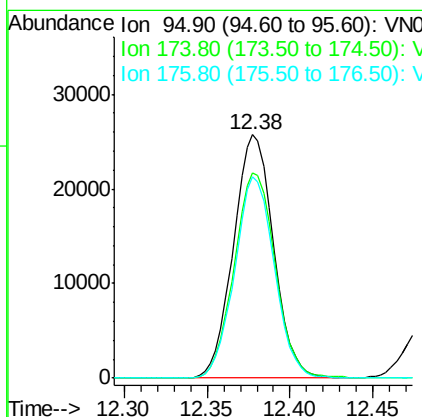
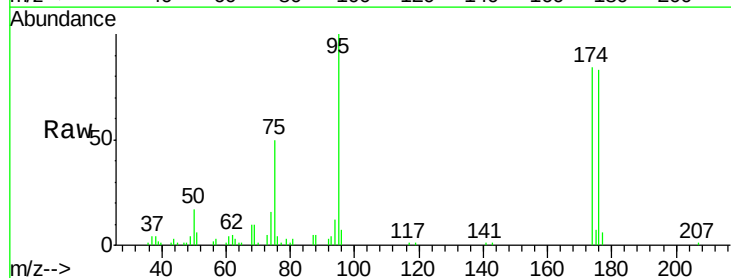
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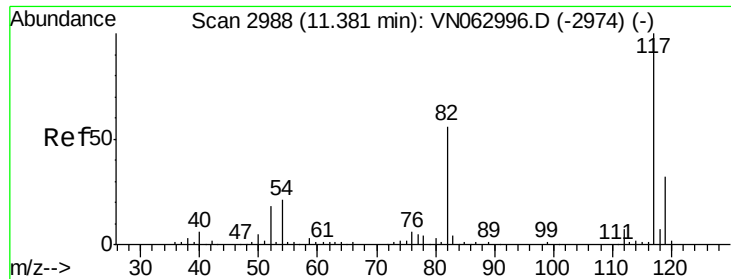
MMDadoda
 8/19/2020 5:46:11 PM



#62
 4-Bromofluorobenzene
 Concen: 16.781 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 95 Resp: 43205
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 170.8
 176 81.8 0.0 164.8





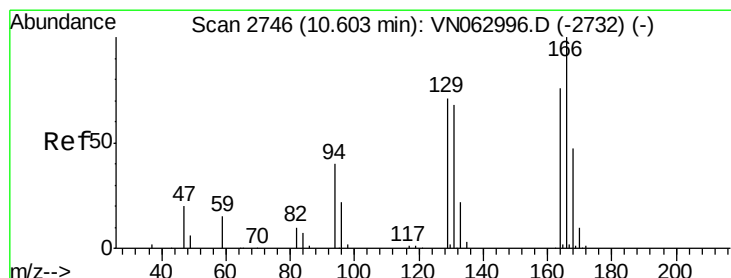
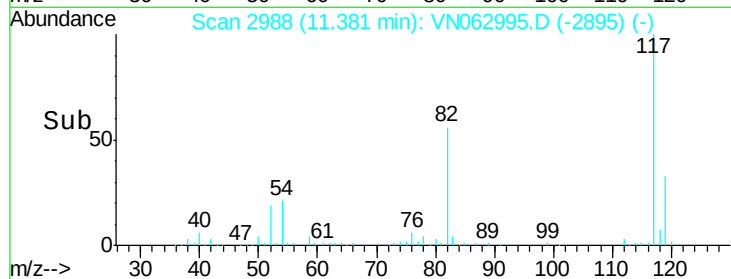
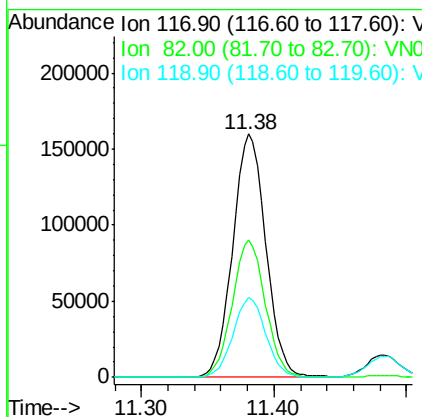
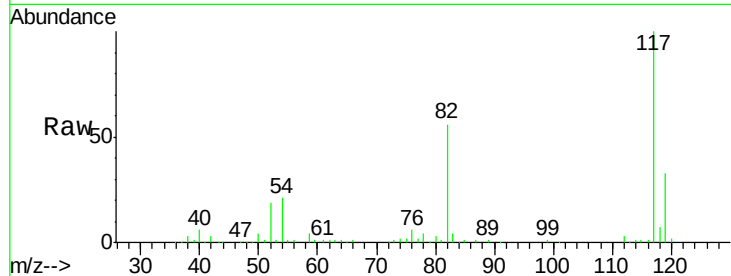
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.5	66.7
119	32.6	25.5	38.3

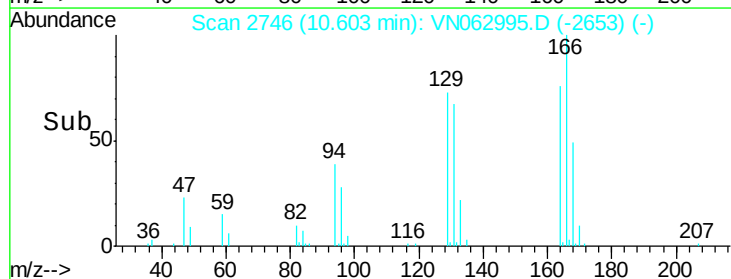
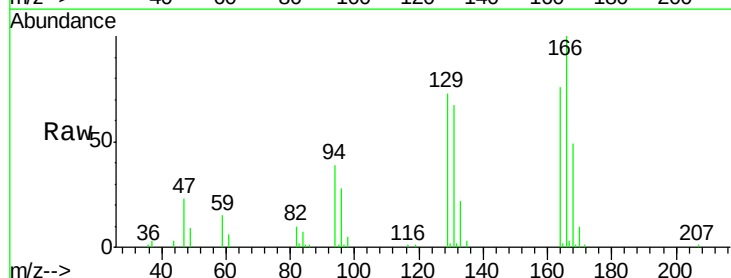
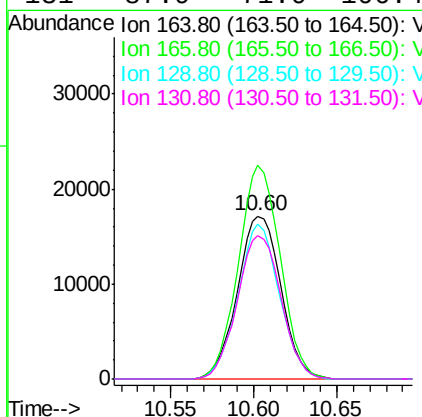
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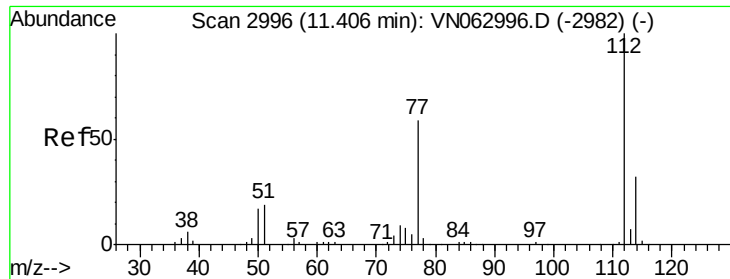
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#64
Tetrachloroethene
Concen: 17.167 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	105.0	157.6
129	95.2	74.7	112.1
131	87.9	71.0	106.4





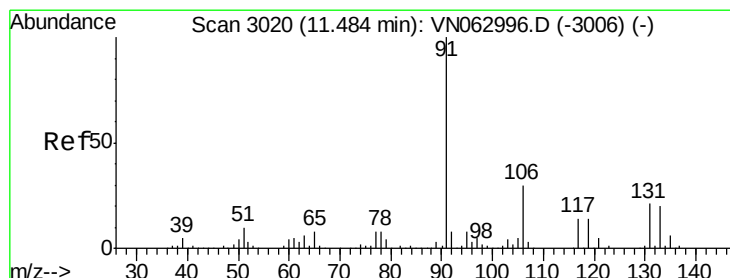
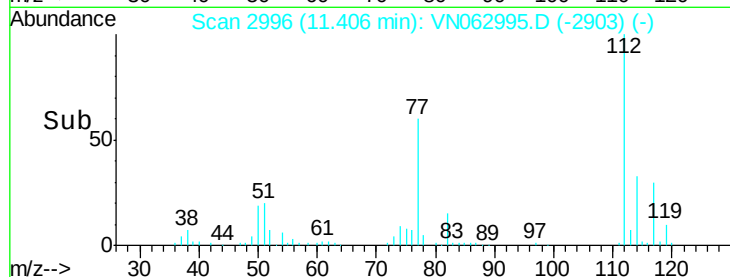
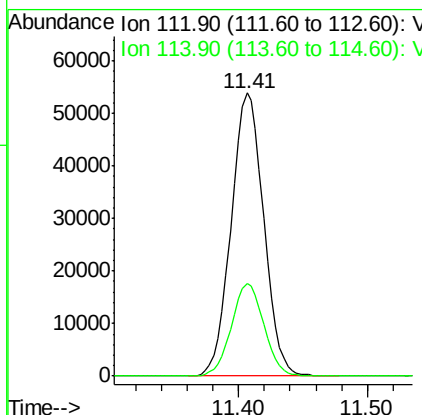
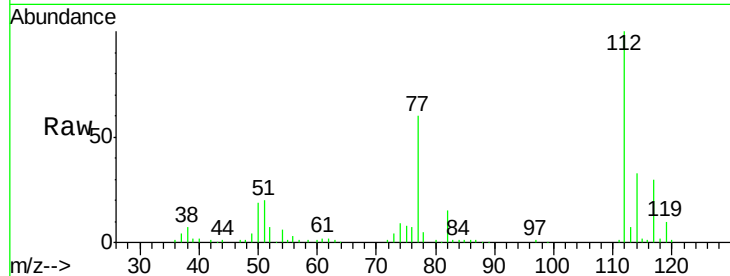
#65
Chlorobenzene
Concen: 16.935 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 94336
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

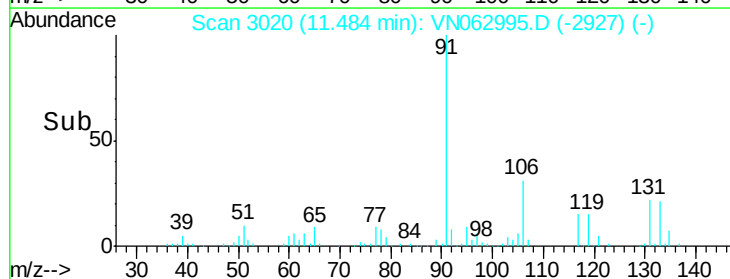
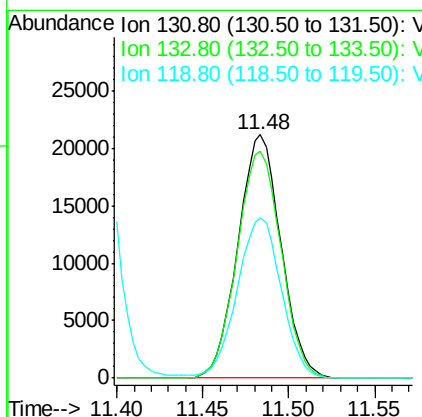
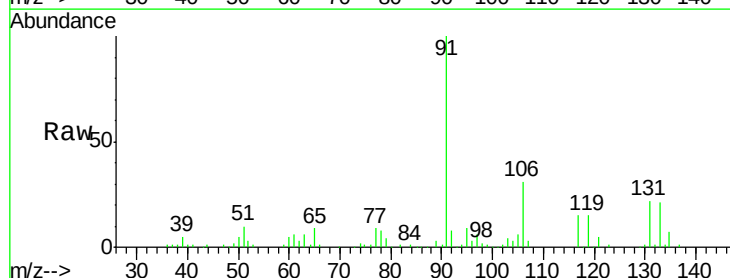
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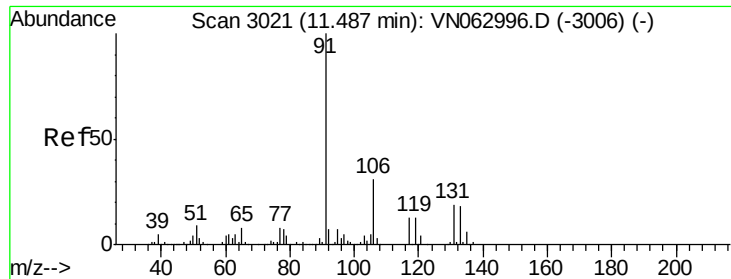
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.950 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion:131 Resp: 36725
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 67.5 33.1 99.3





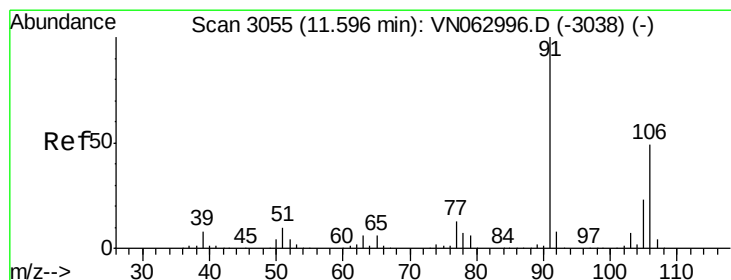
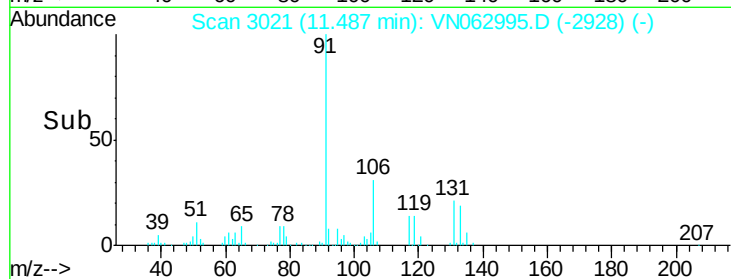
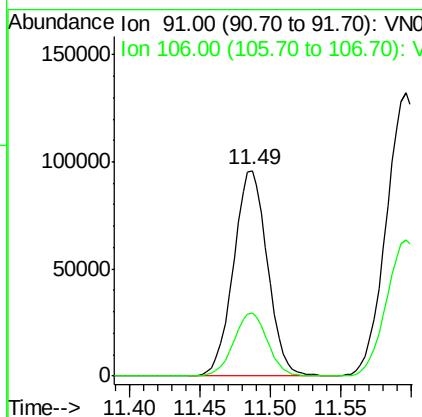
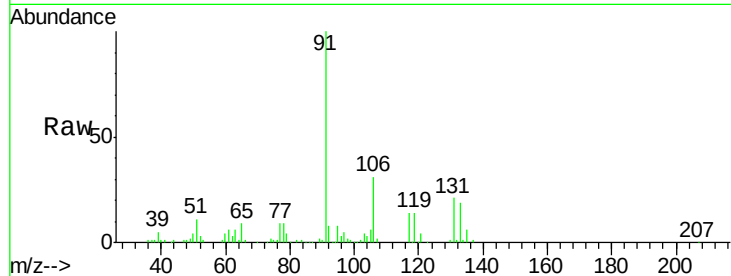
#67
Ethyl Benzene
Concen: 17.190 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 161799
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

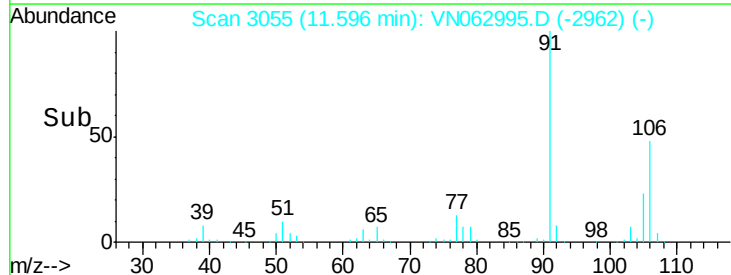
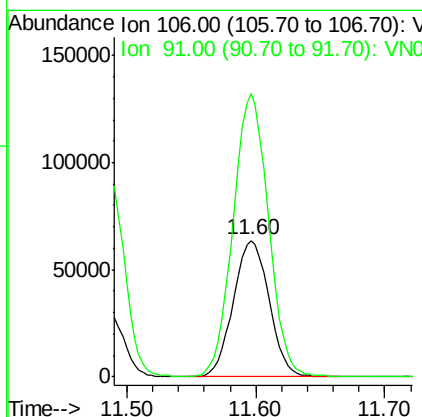
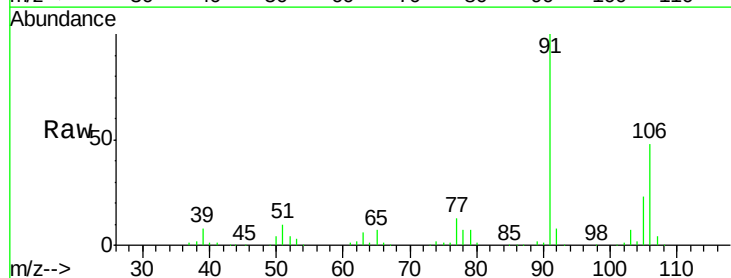
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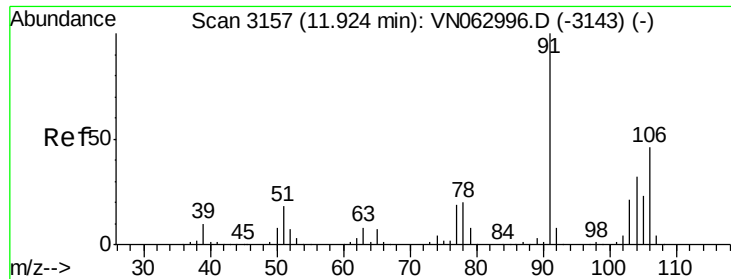
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#68
m/p-Xylenes
Concen: 35.215 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 106 Resp: 123193
Ion Ratio Lower Upper
106 100
91 204.5 163.0 244.4





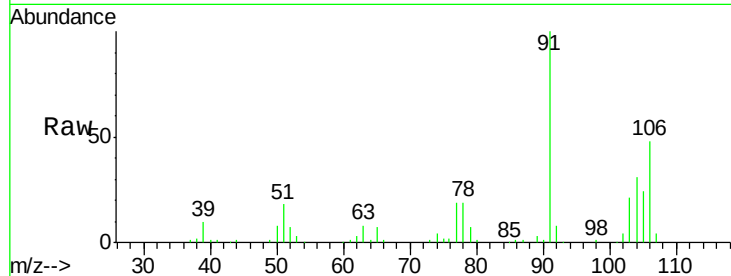
#69
o-Xylene
Concen: 17.516 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

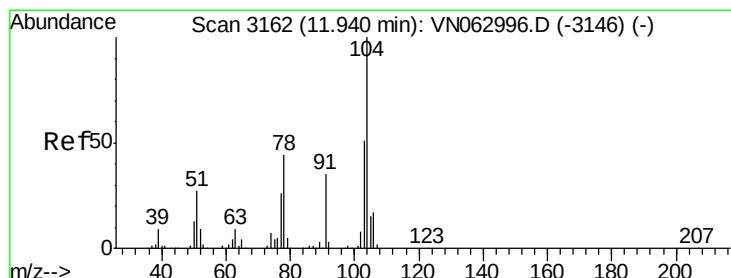
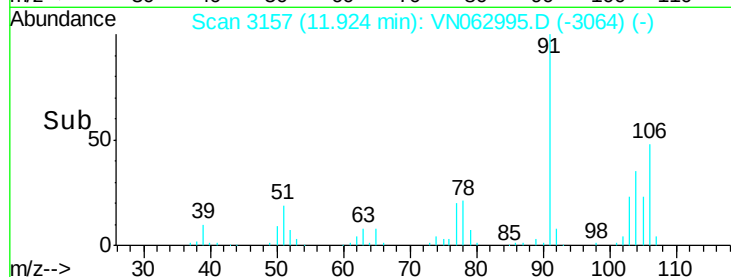
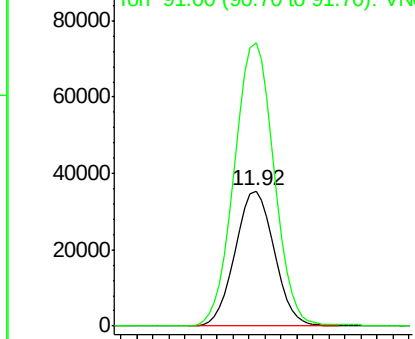
Tot Ion:106 Resp: 58842
Ion Ratio Lower Upper
106 100
91 213.7 107.3 321.9

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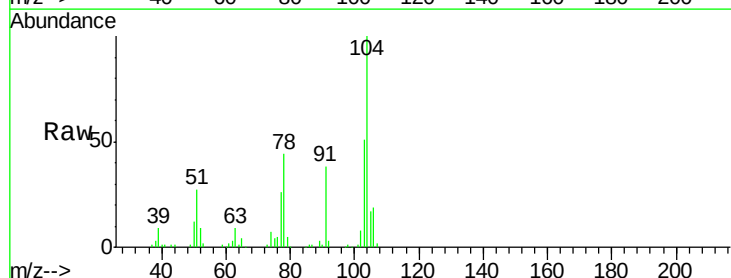


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

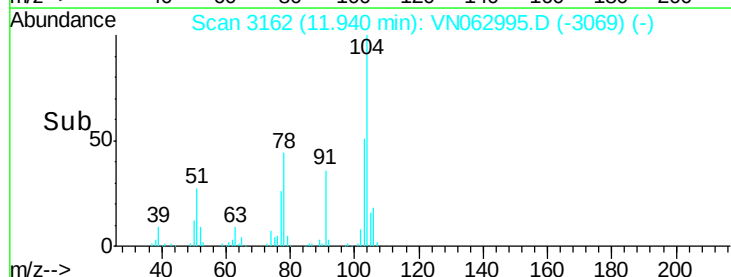
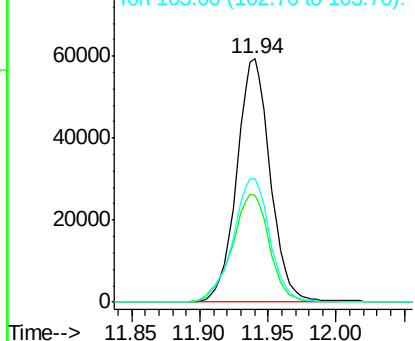


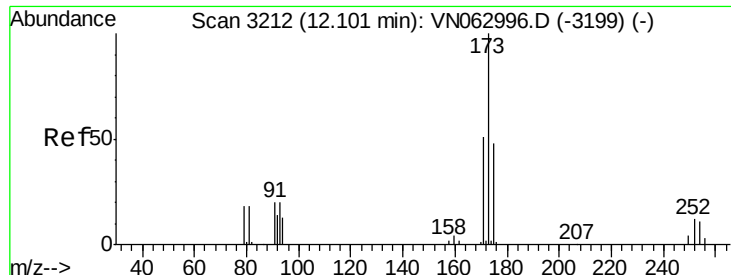
#70
Styrene
Concen: 17.530 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion:104 Resp: 101063
Ion Ratio Lower Upper
104 100
78 49.4 39.0 58.6
103 55.7 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.108 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 29504

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

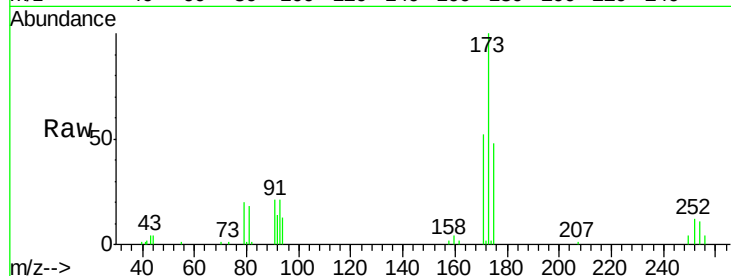
254 0.0 0.0 0.0

Manual Integrations

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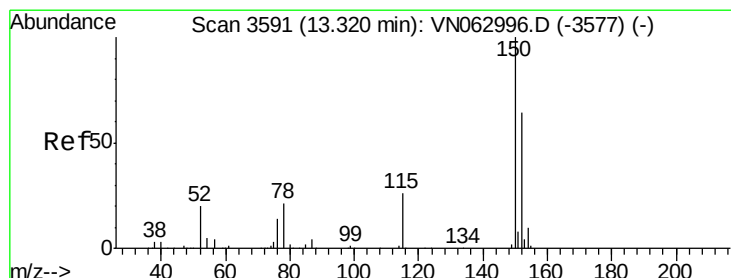
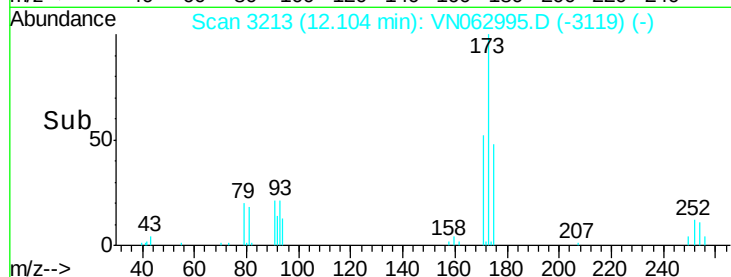
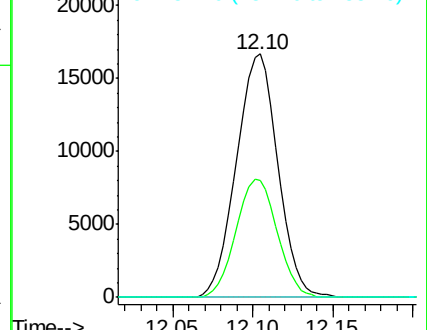
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

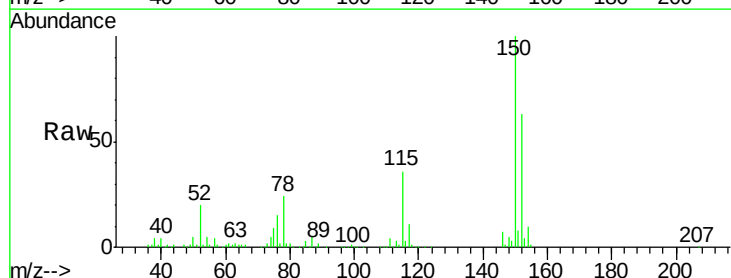
Tgt Ion:152 Resp: 131748

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.3

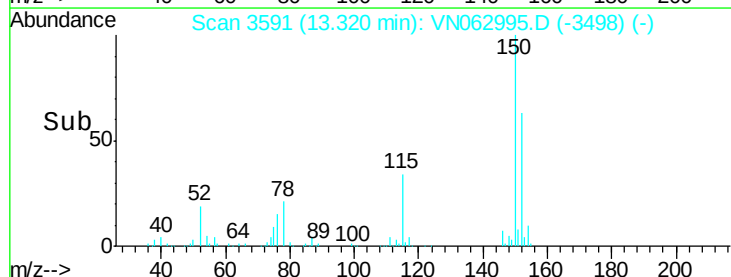
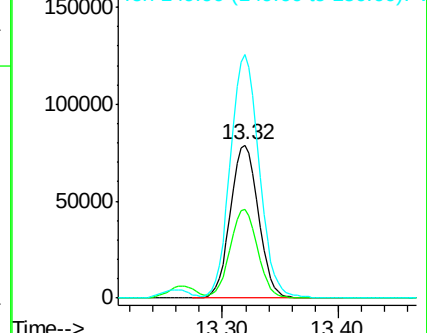
150 164.4 0.0 348.8

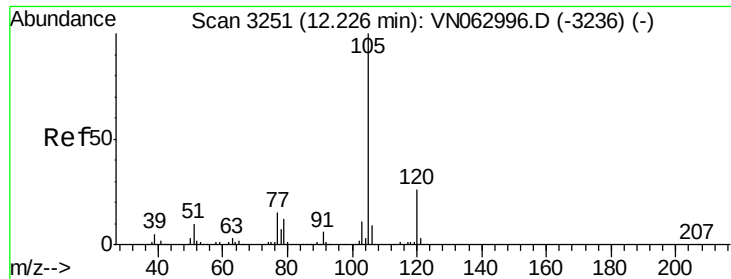


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





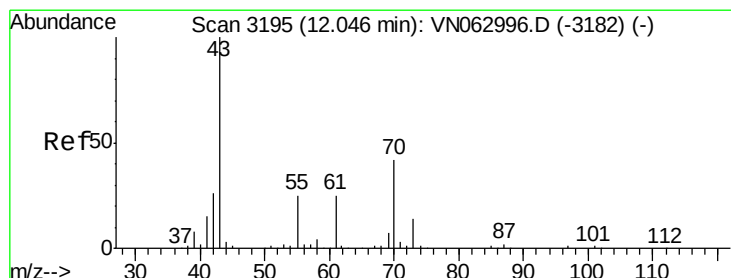
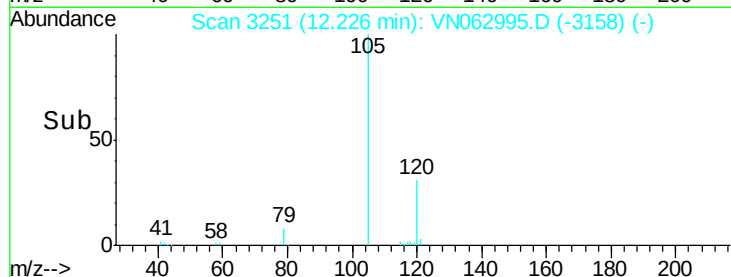
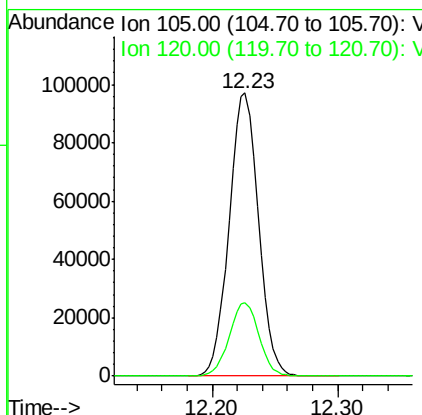
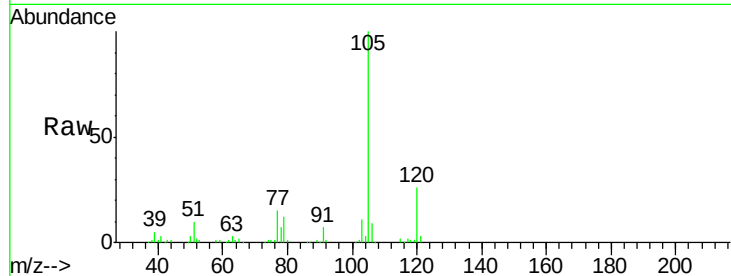
#73
Isopropylbenzene
Concen: 17.497 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

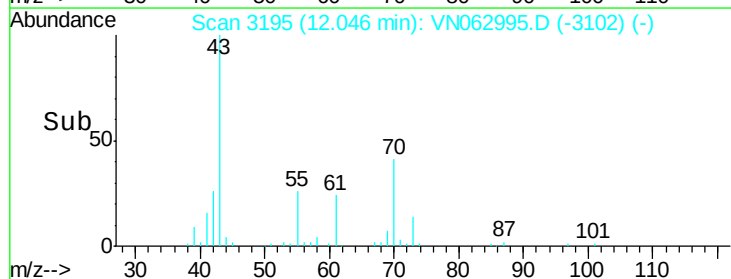
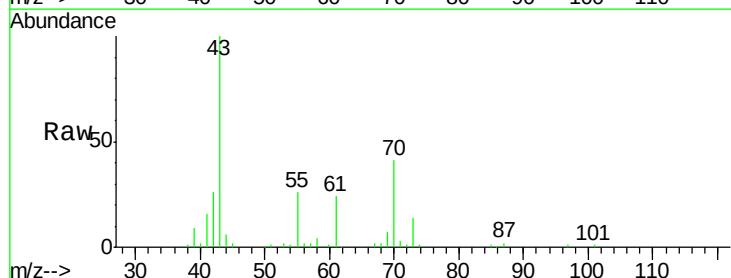
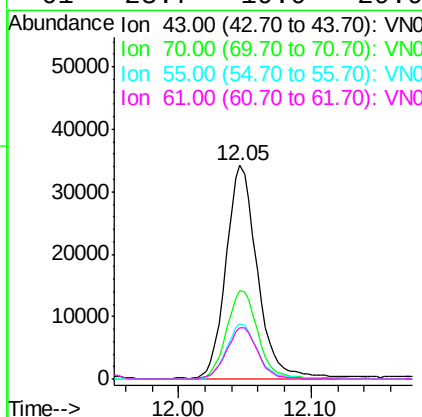
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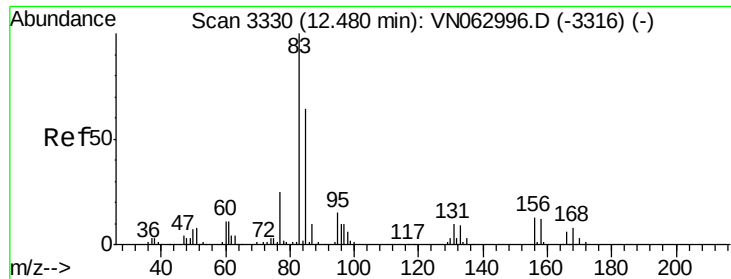
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#74
N-ethyl acetate
Concen: 17.537 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.4	50.0
55	25.6	20.2	30.2
61	23.7	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 16.779 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

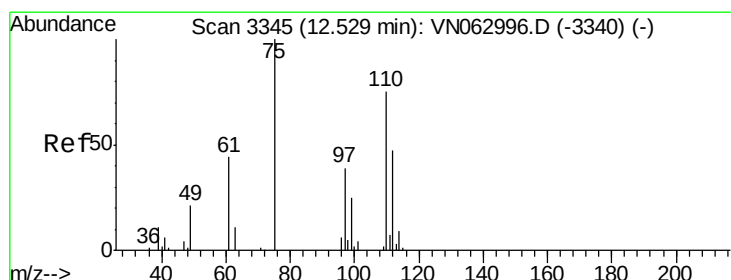
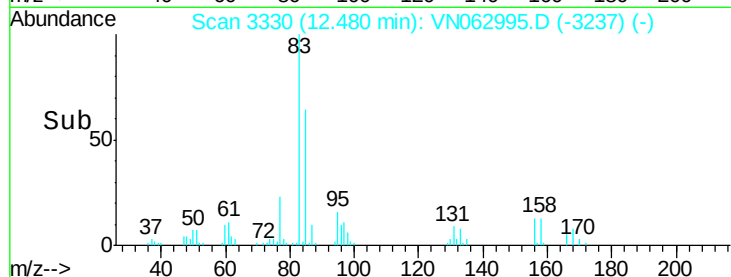
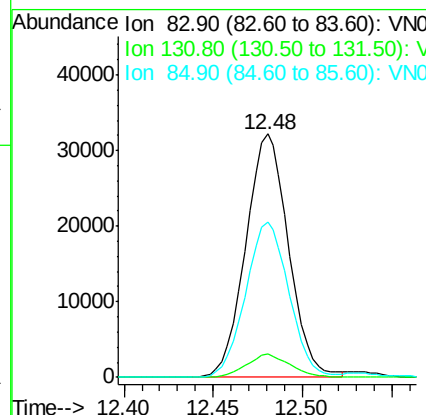
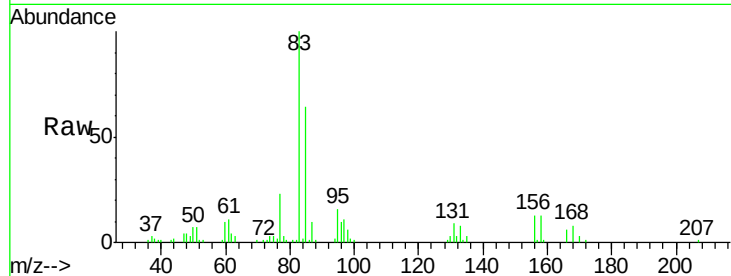
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	54013
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 17.699 ug/l m

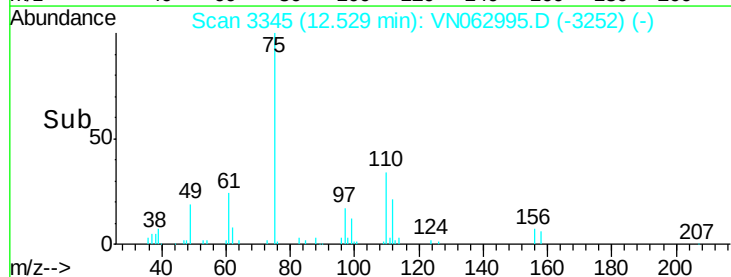
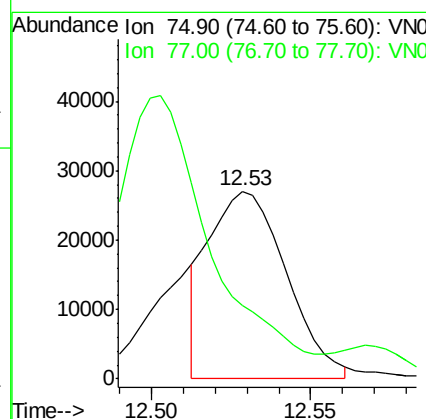
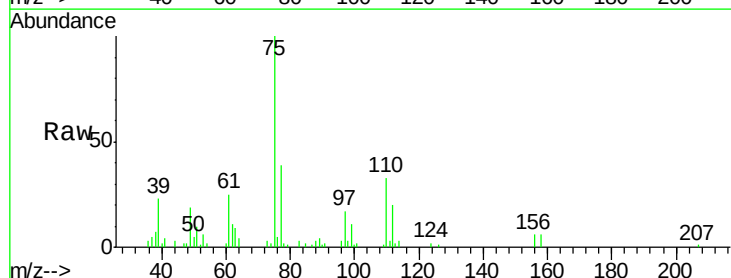
RT: 12.53 min Scan# 3345

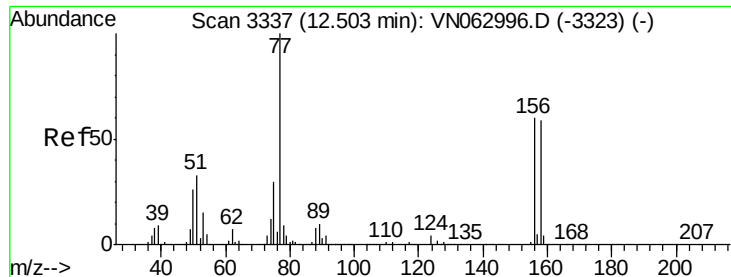
Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	75	Resp:	45927
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





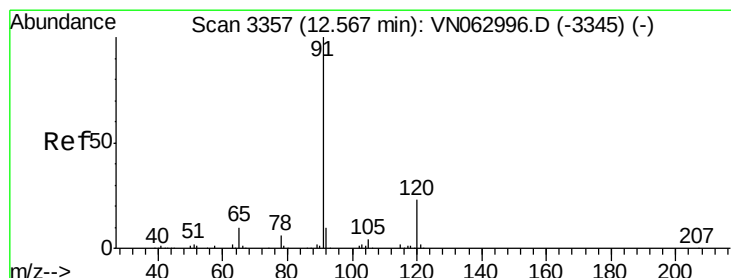
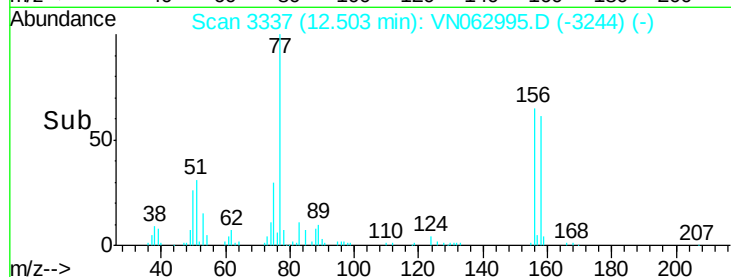
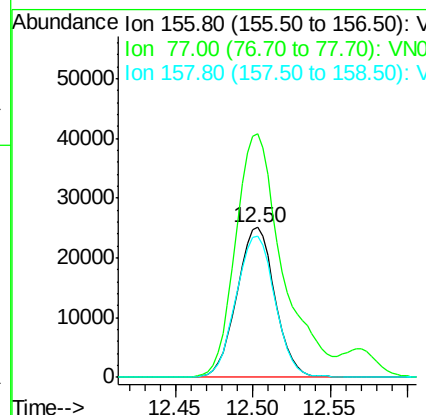
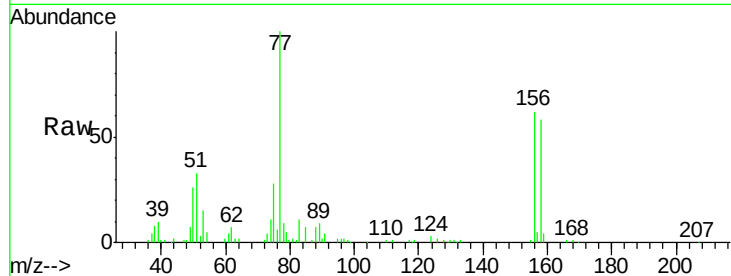
#77
Bromobenzene
Concen: 17.308 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	101.0	302.9
158	96.4	49.4	148.0

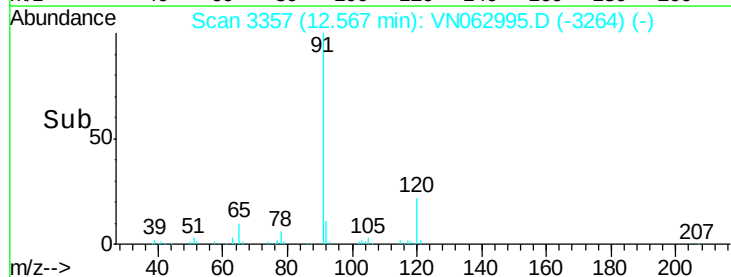
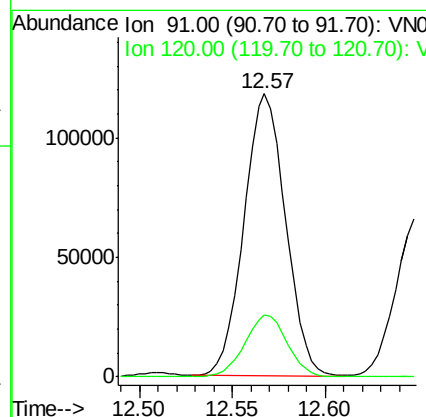
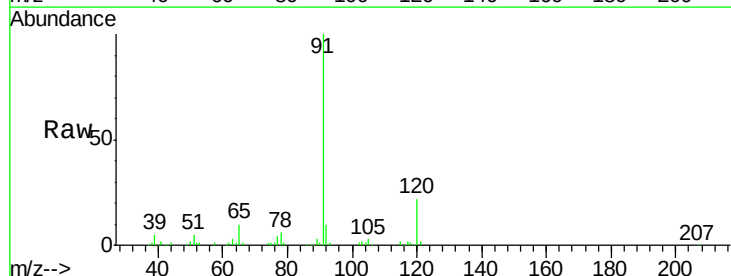
Manual Integrations
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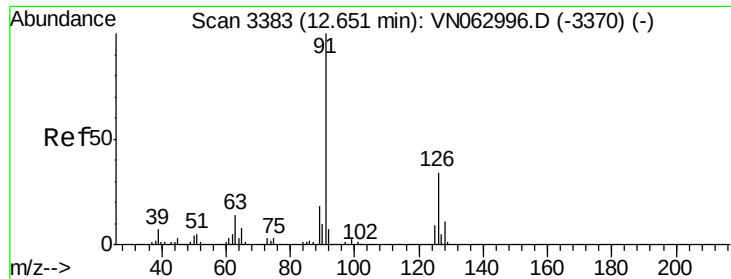
MMDadoda
8/19/2020 5:46:11 PM



#78
n-propylbenzene
Concen: 17.843 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.334 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 112121

Ion Ratio Lower Upper

91 100

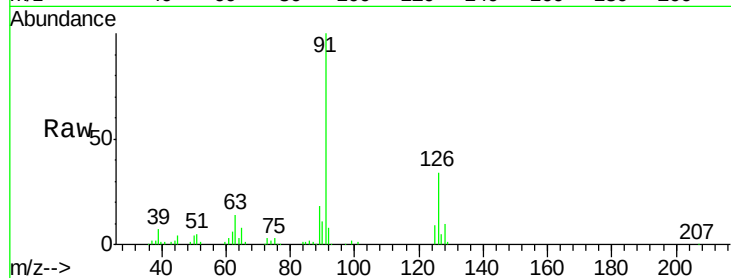
126 34.1 17.1 51.2

Manual Integrations

APPROVED

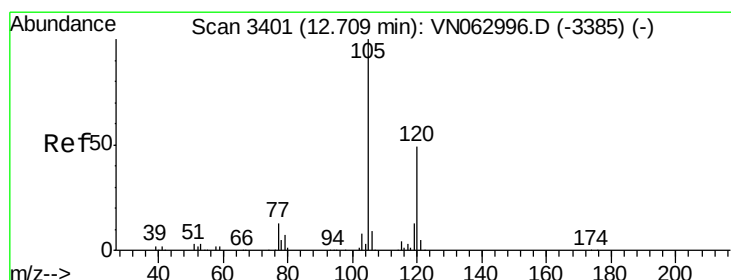
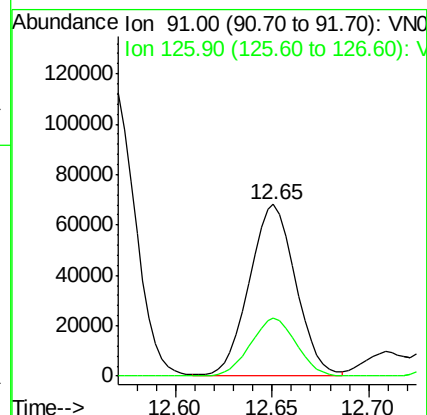
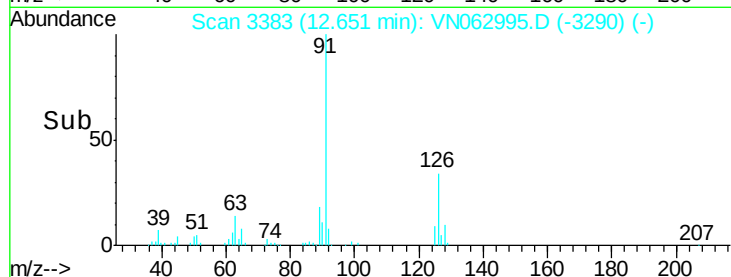
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Abundance Ion 91.00 (90.70 to 91.70): VN062995.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062995.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.652 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062995.D

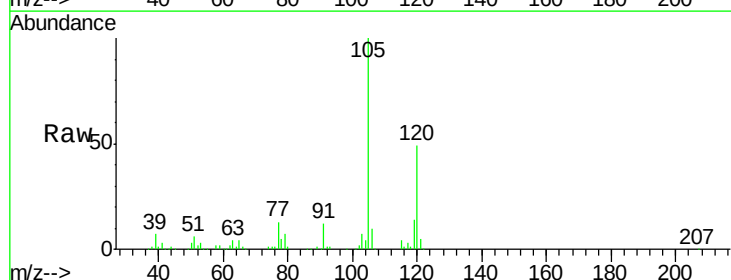
Acq: 18 Aug 2020 19:29

Tgt Ion: 105 Resp: 131651

Ion Ratio Lower Upper

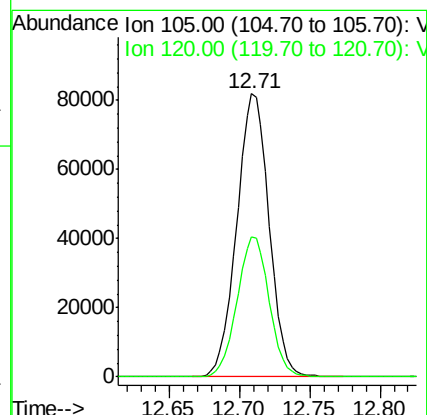
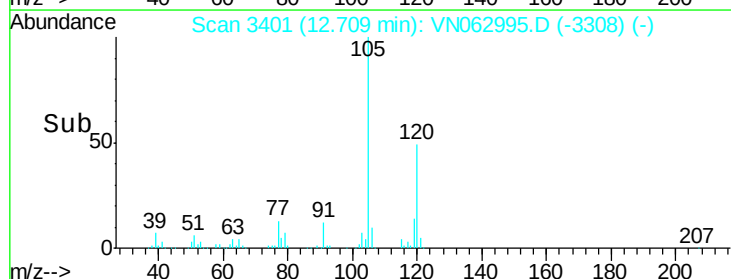
105 100

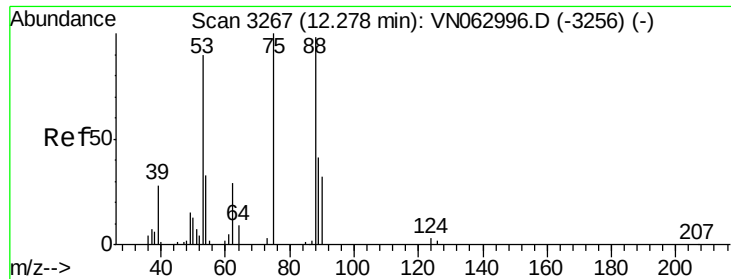
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062995.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062995.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.080 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

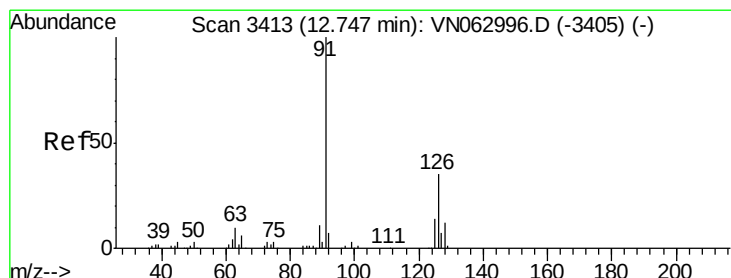
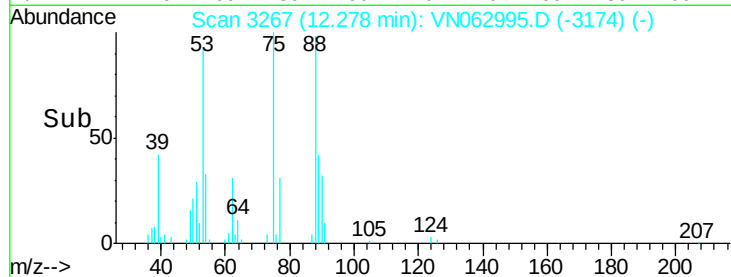
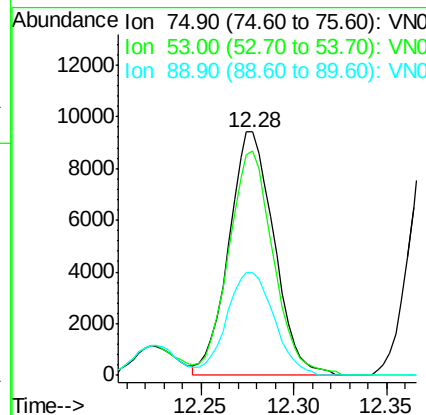
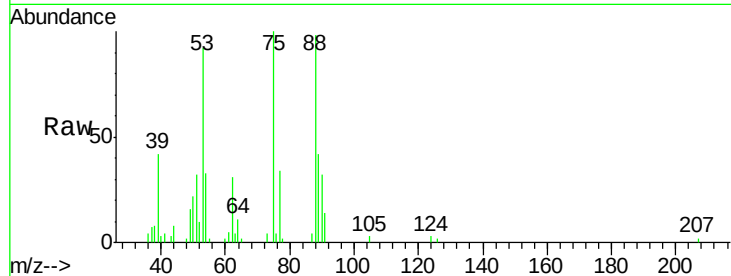
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	15926
Ion	Ratio	Lower	Upper
75	100		
53	91.5	69.2	103.8
89	44.6	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.495 ug/l

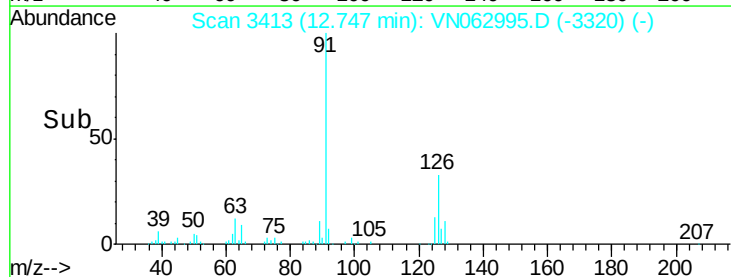
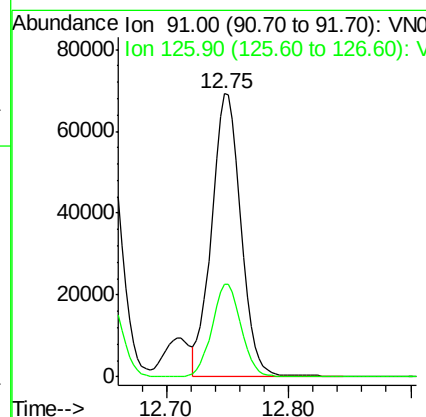
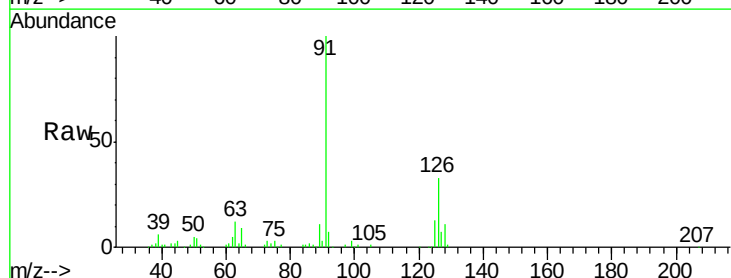
RT: 12.75 min Scan# 3413

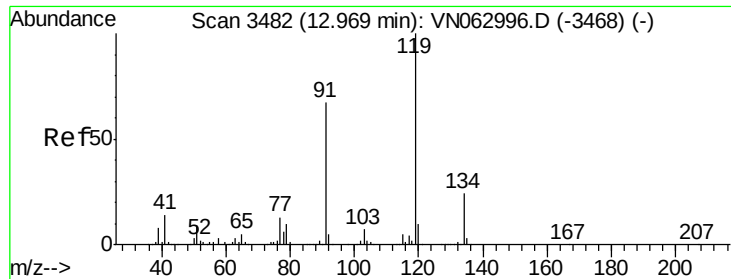
Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	91	Resp:	115230
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.5	49.5





#83

tert-Butylbenzene

Concen: 17.434 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

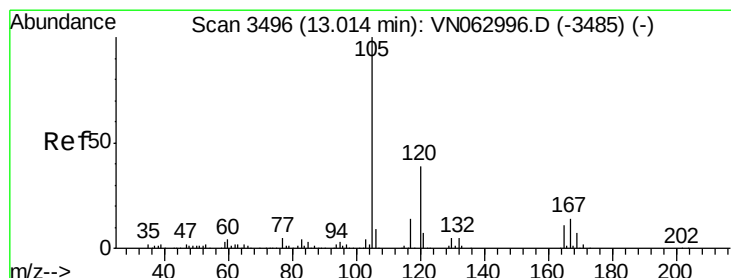
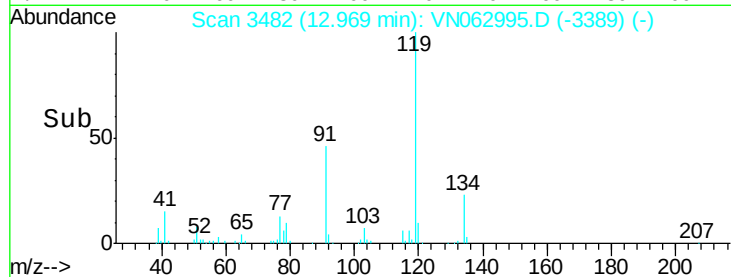
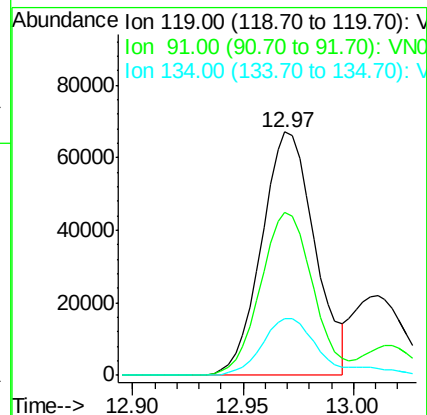
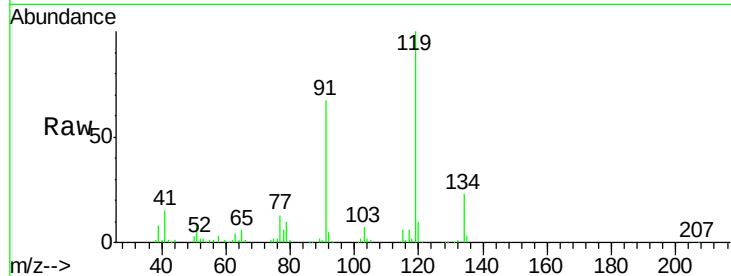
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	112225
Ion Ratio	Lower	Upper	
119	100		
91	65.9	32.5	97.4
134	25.8	13.1	39.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.782 ug/l

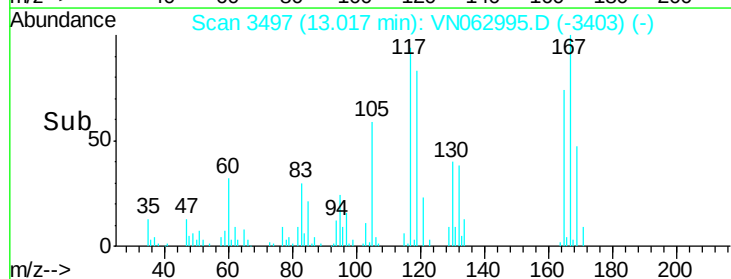
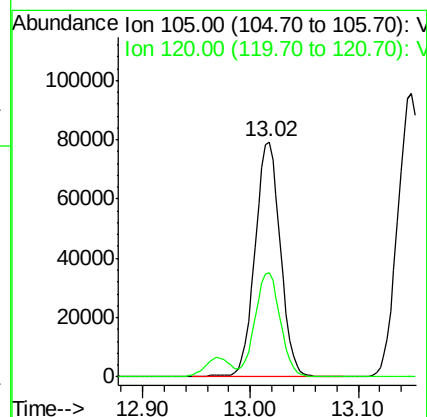
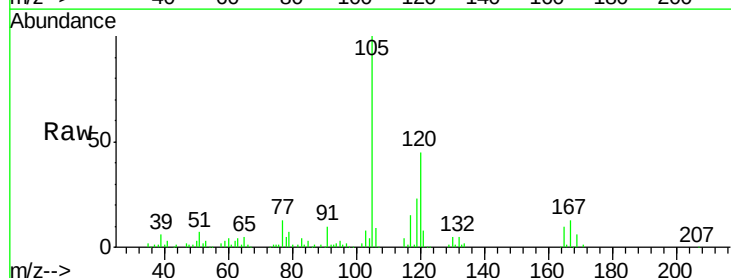
RT: 13.02 min Scan# 3497

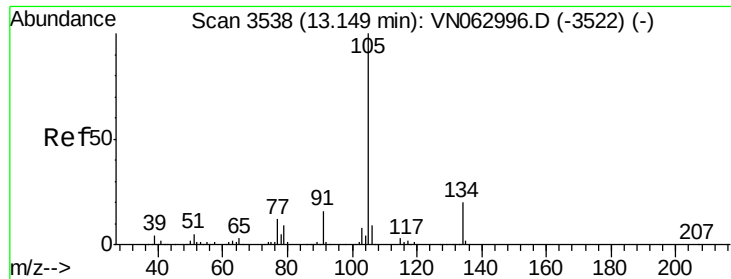
Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	105	Resp:	129201
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.5	67.5





#85

sec-Butylbenzene

Concen: 17.640 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 153462

Ion Ratio Lower Upper

105 100

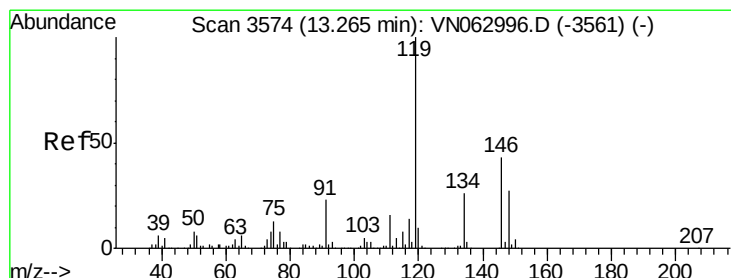
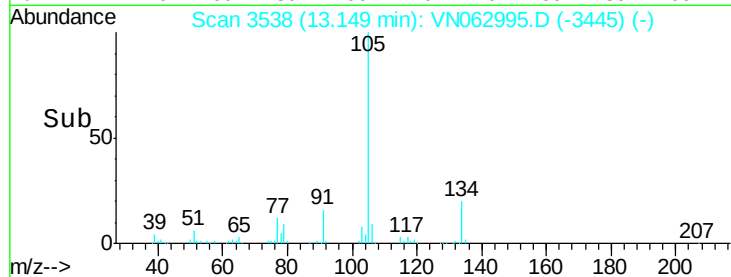
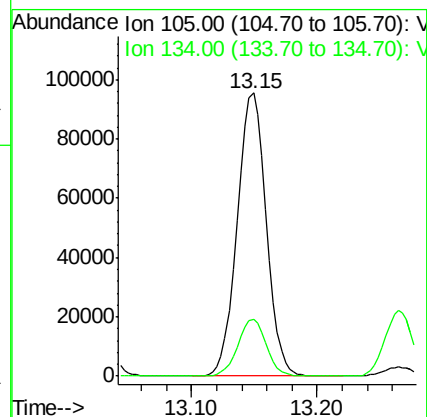
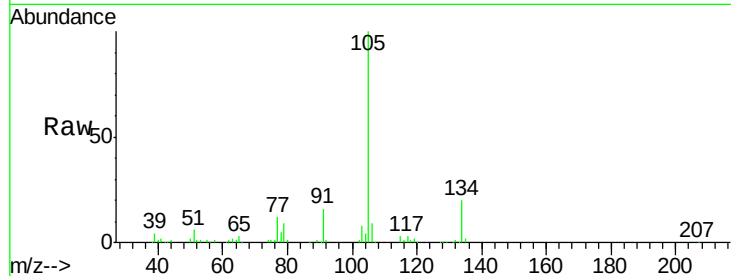
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.394 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

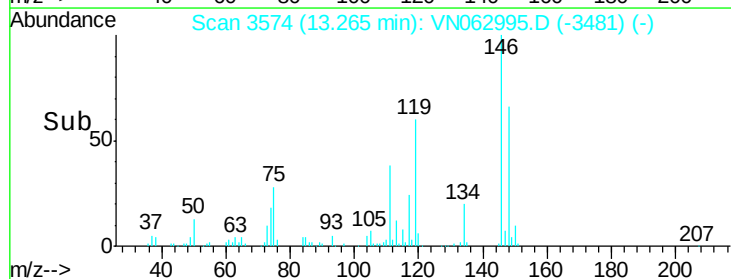
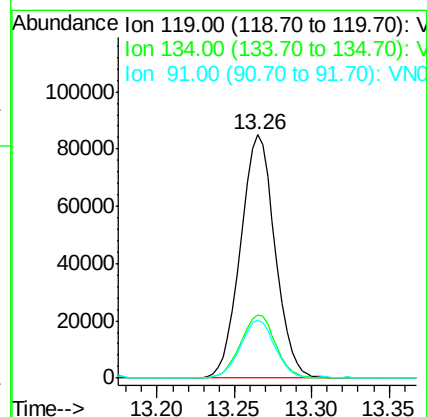
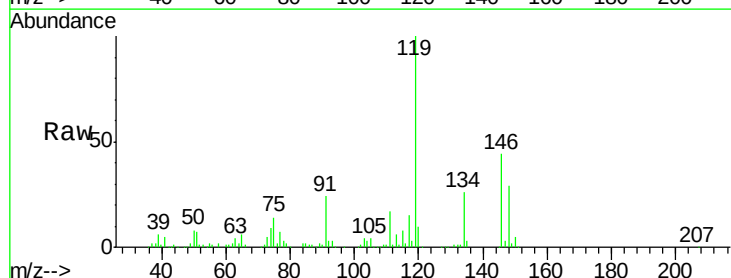
Tgt Ion:119 Resp: 131854

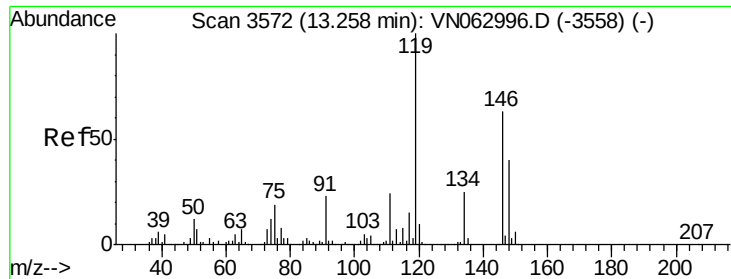
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.7 11.5 34.4





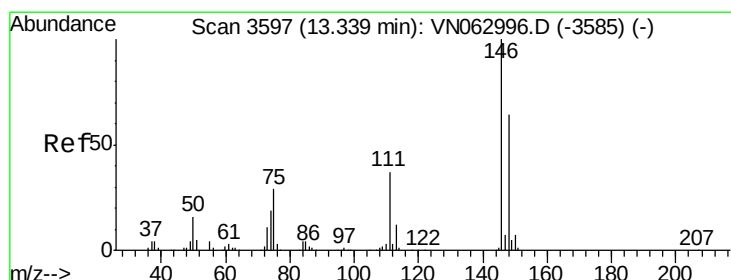
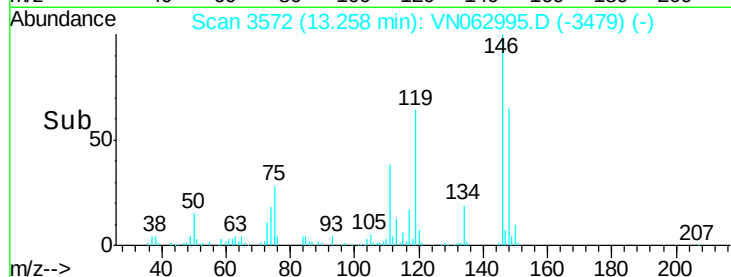
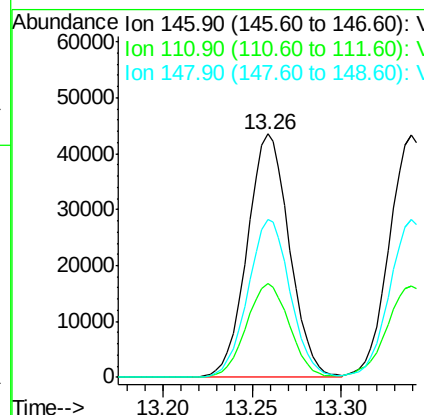
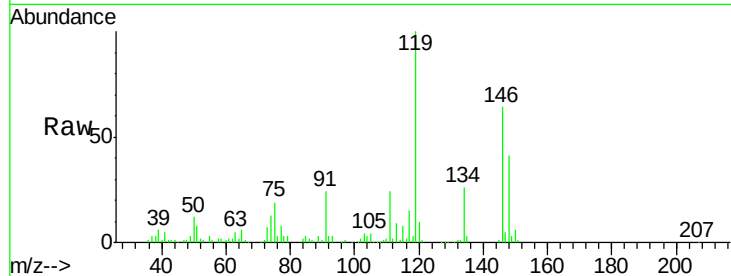
#87
 1,3-Dichlorobenzene
 Concen: 16.881 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	65.0	32.0	96.0

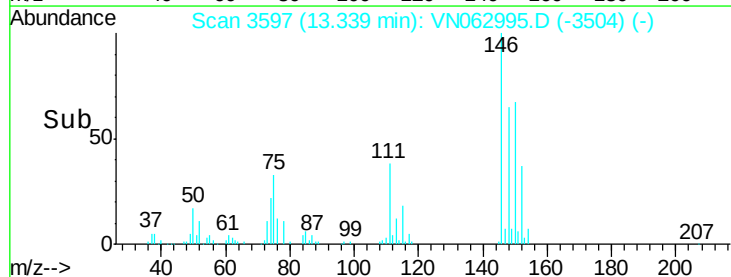
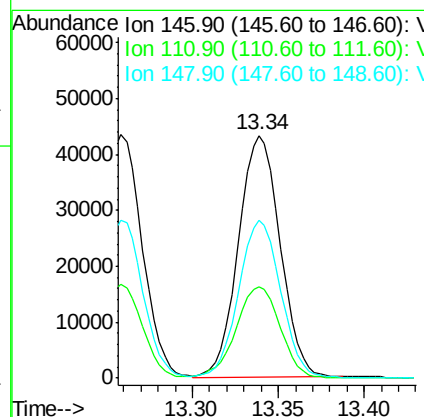
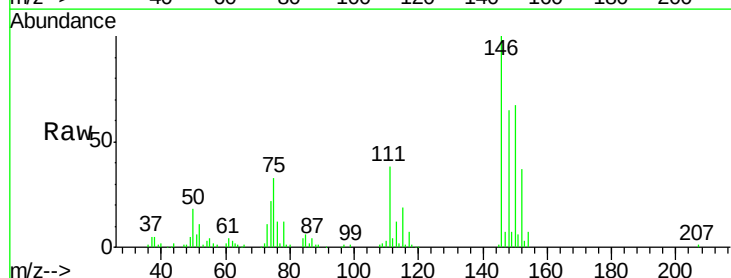
Manual Integrations
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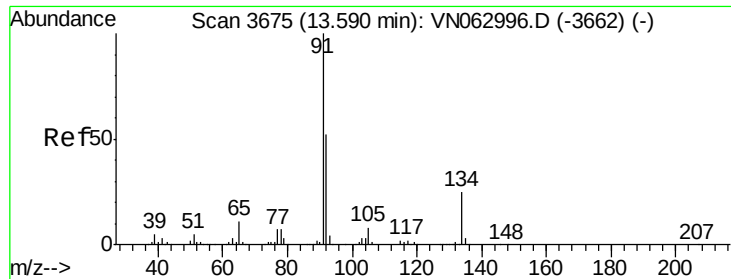
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#88
 1,4-Dichlorobenzene
 Concen: 16.803 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.8	56.4
148	66.7	32.4	97.0





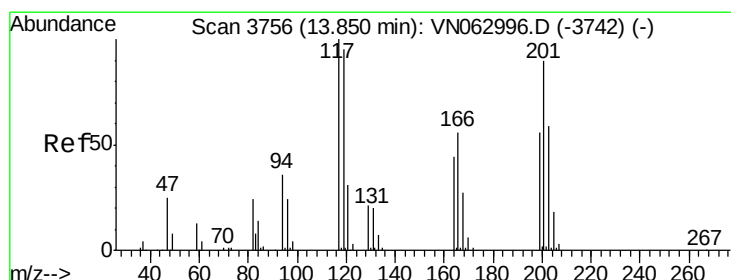
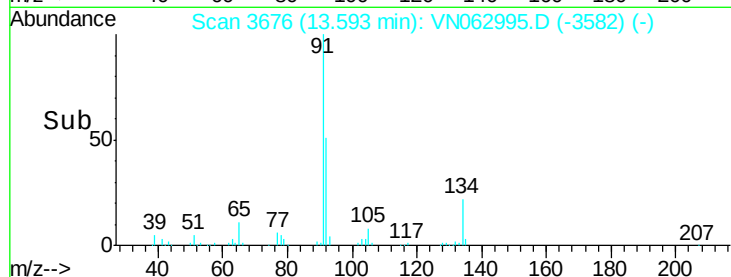
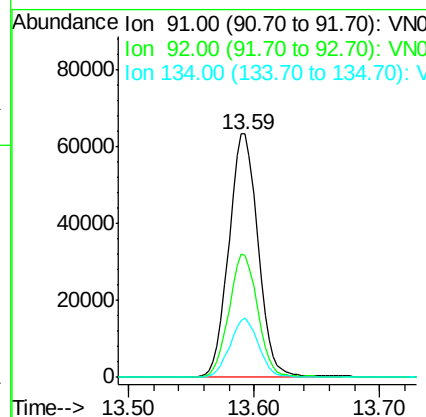
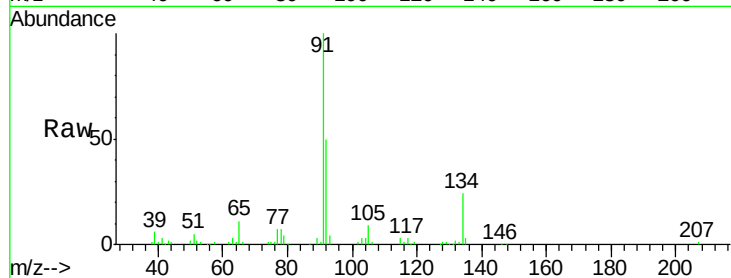
#89
n-Butylbenzene
Concen: 16.075 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	102831		
92	49.4		25.9	77.6
134	23.7		12.4	37.0

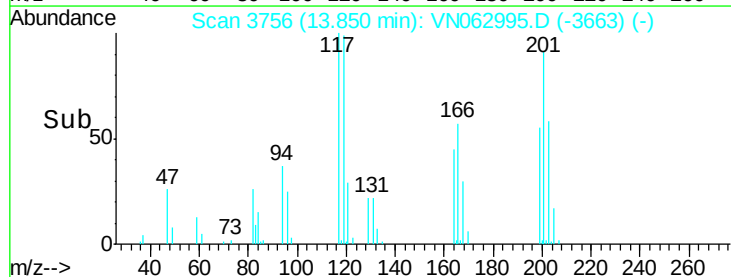
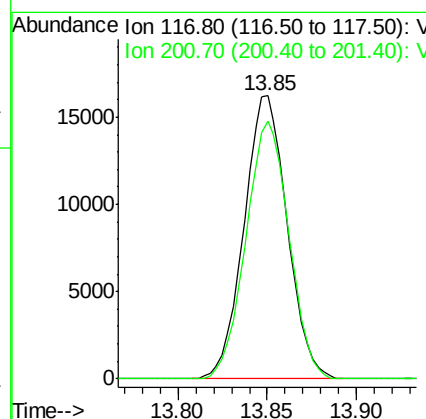
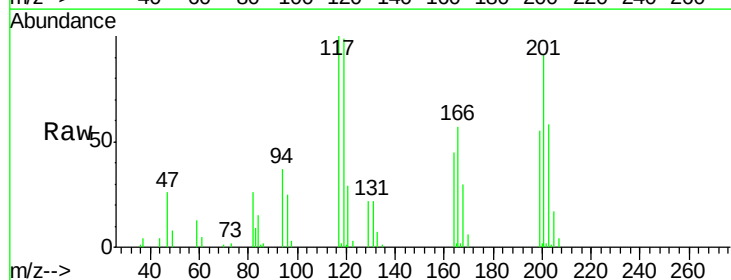
Manual Integrations
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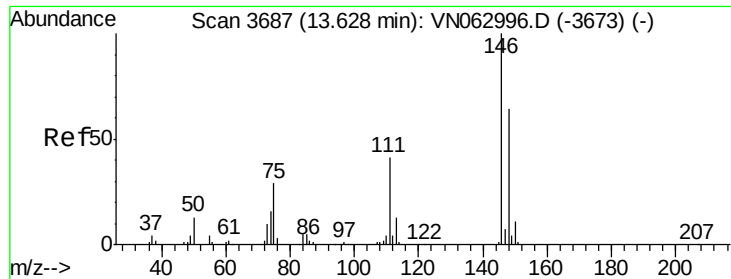
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#90
Hexachloroethane
Concen: 16.953 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27314		
201	91.0		44.1	132.4





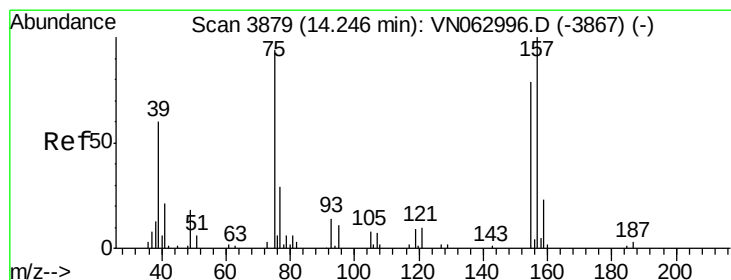
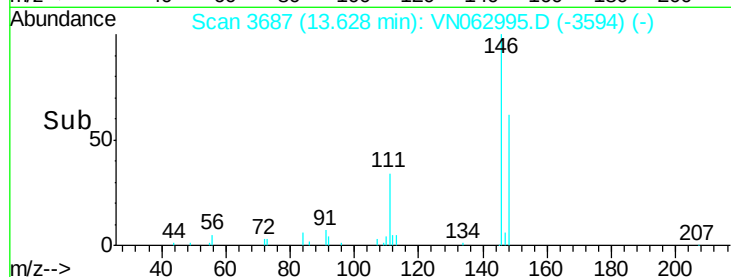
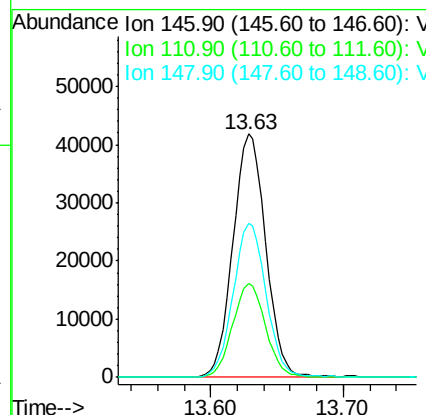
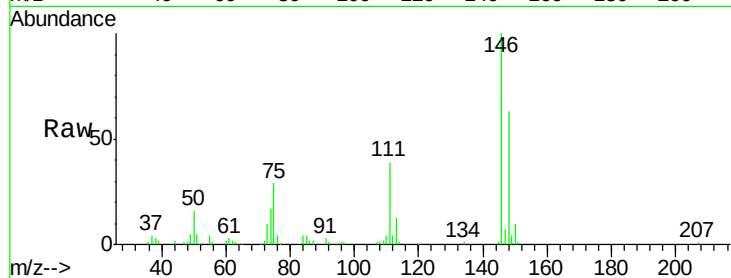
#91
 1,2-Dichlorobenzene
 Concen: 17.467 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.2	60.5
148	63.5	31.9	95.5

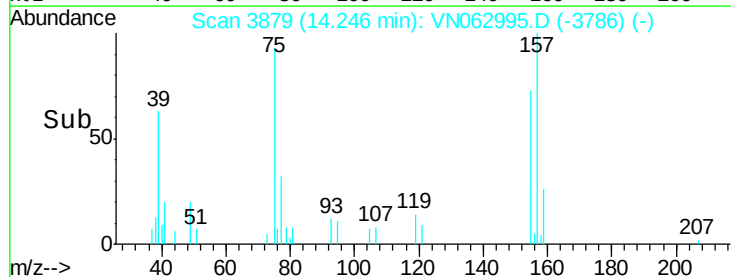
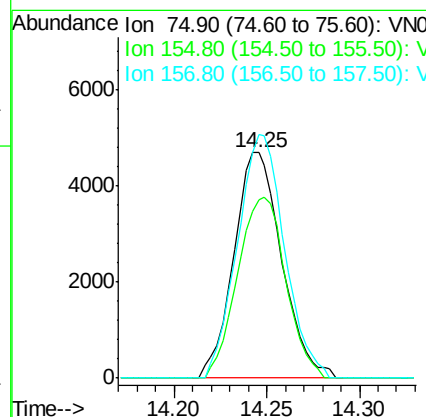
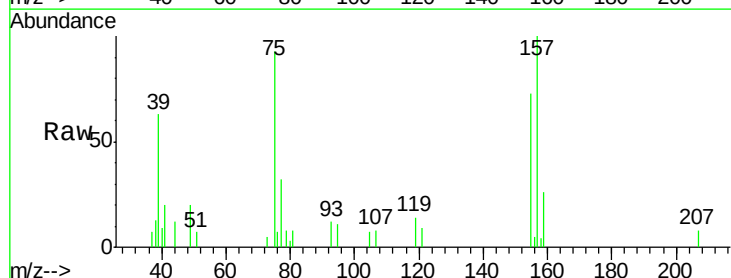
Manual Integrations
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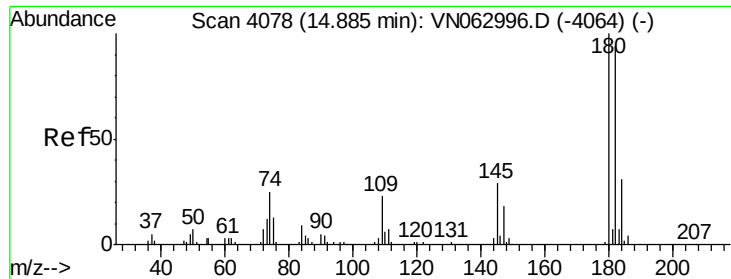
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.513 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	42.4	127.1
157	105.9	55.2	165.6





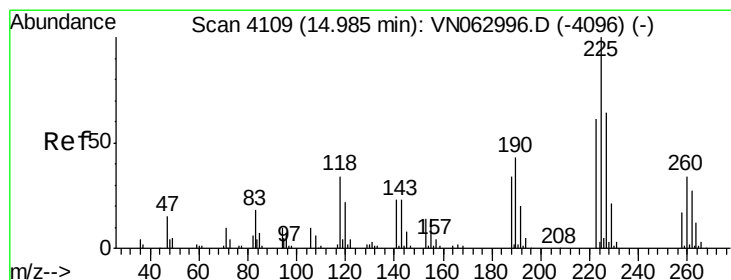
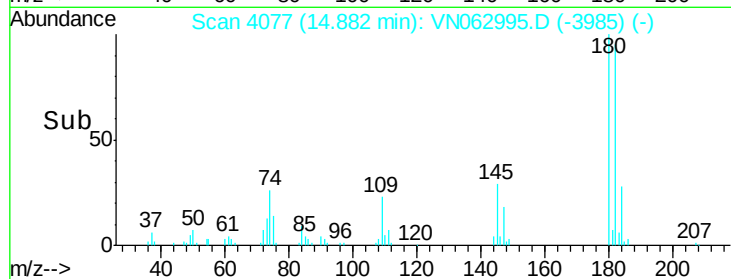
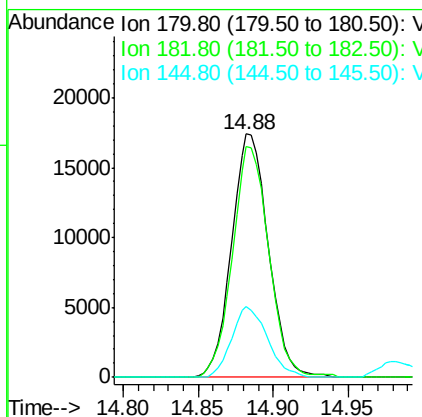
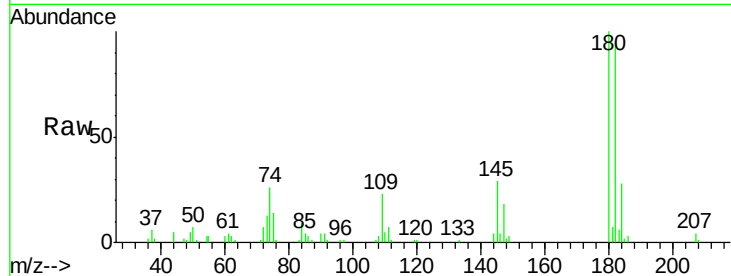
#93
 1,2,4-Trichlorobenzene
 Concen: 16.568 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29819		
182	93.9	47.0	141.2	
145	28.2	14.1	42.4	

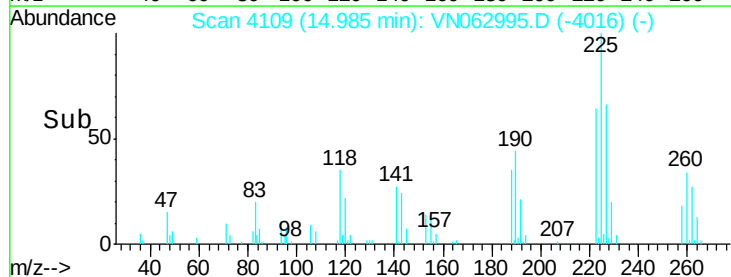
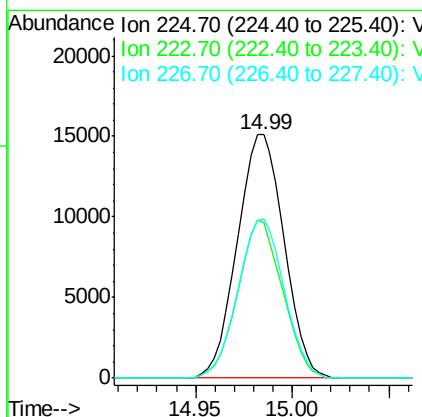
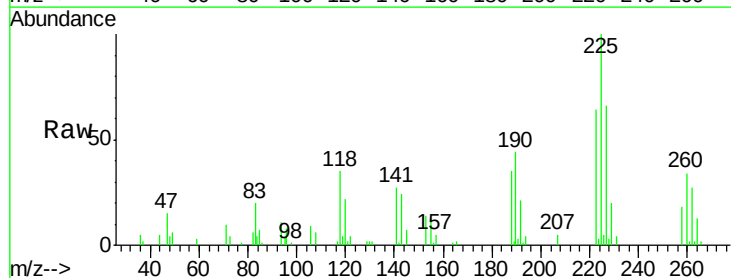
Manual Integrations
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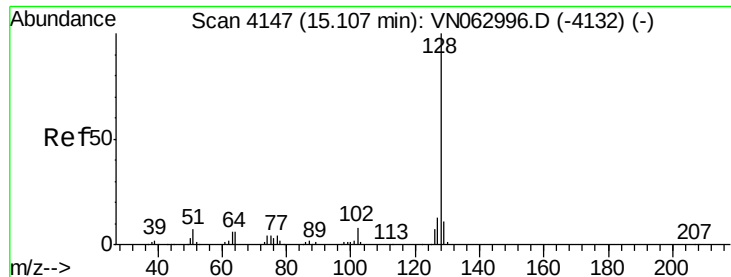
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#94
 Hexachlorobutadiene
 Concen: 16.693 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25409		
223	61.9	30.9	92.5	
227	64.4	31.9	95.9	





#95

Naphthalene

Concen: 15.423 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

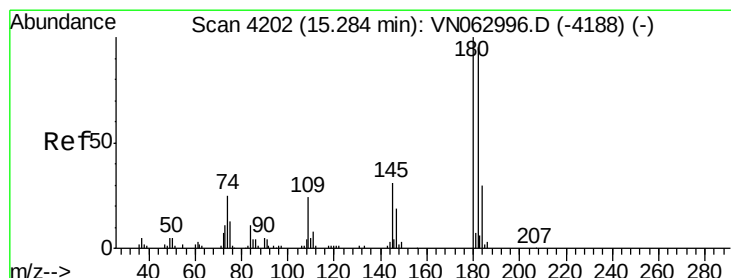
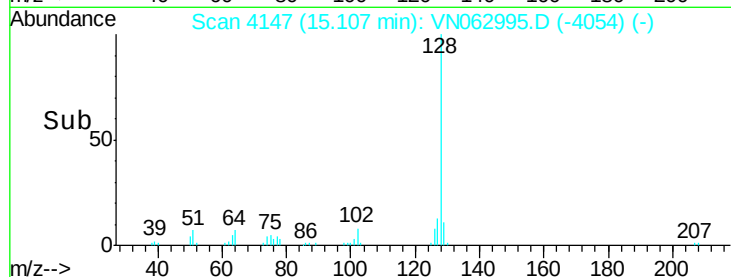
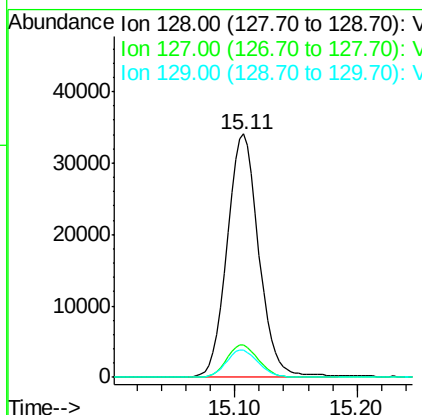
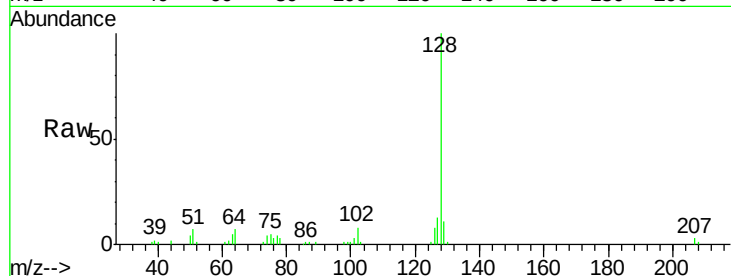
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	61917
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:46:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.920 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:	180	Resp:	30584
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.9
145	30.8	15.6	46.7

