

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062401.D
 Acq On : 8 Jul 2020 11:26
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:52 AM

Quant Time: Jul 08 12:02:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	149298	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.55	113	105681	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.06	98	415484	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.38	95	151111	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102026	46.988	ug/l	100
3) Chloromethane	2.04	50	156736	47.963	ug/l	100
4) Vinyl Chloride	2.16	62	131926	47.467	ug/l	100
5) Bromomethane	2.52	94	70179	48.849	ug/l	100
6) Chloroethane	2.66	64	78121	48.213	ug/l	100
7) Trichlorofluoromethane	2.98	101	167205	44.416	ug/l	100
8) Diethyl Ether	3.37	74	76009	50.674	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	100500	46.896	ug/l	100
10) Methyl Iodide	3.91	142	137151	52.734	ug/l	100
11) Tert butyl alcohol	4.74	59	123378	255.356	ug/l	100
12) 1,1-Dichloroethene	3.70	96	101960	50.754	ug/l	100
13) Acrolein	3.57	56	88070	354.803	ug/l	100
14) Allyl chloride	4.28	41	242003	49.926	ug/l	100
15) Acrylonitrile	4.93	53	348266	271.103	ug/l	100
16) Acetone	3.78	43	308280	196.726	ug/l	100
17) Carbon Disulfide	4.01	76	311405	48.924	ug/l	100
18) Methyl Acetate	4.28	43	157876	44.902	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	388411	50.947	ug/l	100
20) Methylene Chloride	4.50	84	127991	44.457	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	113118	50.924	ug/l	100
22) Diisopropyl ether	5.90	45	484486	50.126	ug/l	100
23) Vinyl Acetate	5.84	43	2055616	273.835	ug/l	100
24) 1,1-Dichloroethane	5.80	63	246216	50.942	ug/l	100
25) 2-Butanone	6.79	43	486417	242.240	ug/l	100
26) 2,2-Dichloropropane	6.78	77	184485	46.967	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	129890	51.210	ug/l	100
28) Bromochloromethane	7.15	49	130490	49.137	ug/l	100
29) Tetrahydrofuran	7.17	42	326951	255.065	ug/l	100
30) Chloroform	7.33	83	224032	47.997	ug/l	100
31) Cyclohexane	7.61	56	221817	49.518	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	185840	47.570	ug/l	100
36) 1,1-Dichloropropene	7.75	75	175686	50.602	ug/l	100
37) Ethyl Acetate	6.88	43	201573	49.884	ug/l	100
38) Carbon Tetrachloride	7.73	117	158134	46.152	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	191870	51.341	ug/l	100
40) Benzene	8.00	78	514215	52.065	ug/l	100
41) Methacrylonitrile	7.13	41	90469	44.951	ug/l	100
42) 1,2-Dichloroethane	8.08	62	189858	44.758	ug/l	100
43) Isopropyl Acetate	8.13	43	329568	48.827	ug/l	100
44) Trichloroethene	8.80	130	113823	48.559	ug/l	100
45) 1,2-Dichloropropane	9.08	63	149862	51.741	ug/l	100
46) Dibromomethane	9.17	93	84541	47.822	ug/l	100
47) Bromodichloromethane	9.37	83	183414	48.636	ug/l	100
48) Methyl methacrylate	9.17	41	160582	46.809	ug/l	100
49) 1,4-Dioxane	9.17	88	46338	983.059	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1007176	276.688	ug/l	100
52) Toluene	10.13	92	299615	51.185	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	208339	51.311	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	226425	51.811	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	120318	50.993	ug/l	100
56) Ethyl methacrylate	10.40	69	209334	54.963	ug/l	100
57) 1,3-Dichloropropane	10.68	76	220138	50.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	357195	265.002	ug/l	100
59) 2-Hexanone	10.72	43	734887	268.867	ug/l	100
60) Dibromochloromethane	10.87	129	130450	49.075	ug/l	100
61) 1,2-Dibromoethane	10.98	107	120369	49.929	ug/l	100
64) Tetrachloroethene	10.60	164	91962	47.335	ug/l	100
65) Chlorobenzene	11.41	112	310855	50.080	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	116215	49.904	ug/l	100
67) Ethyl Benzene	11.48	91	591996	53.907	ug/l	100
68) m/p-Xylenes	11.60	106	421028	104.864	ug/l	100
69) o-Xylene	11.92	106	202892	51.230	ug/l	100
70) Styrene	11.94	104	350422	53.538	ug/l	100
71) Bromoform	12.10	173	89017	49.001	ug/l #	100
73) Isopropylbenzene	12.22	105	546877	53.011	ug/l	100
74) N-amyl acetate	12.04	43	288368	52.766	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	184500	51.053	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	163175m	49.098	ug/l	
77) Bromobenzene	12.50	156	123925	50.977	ug/l	100
78) n-propylbenzene	12.57	91	657435	55.826	ug/l	100
79) 2-Chlorotoluene	12.65	91	390045	52.125	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	458343	53.048	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	65507	54.817	ug/l	100
82) 4-Chlorotoluene	12.75	91	401019	52.494	ug/l	100
83) tert-Butylbenzene	12.97	119	386387	52.464	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	455119	53.218	ug/l	100
85) sec-Butylbenzene	13.15	105	516932	54.978	ug/l	100
86) p-Isopropyltoluene	13.26	119	455815	53.838	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	221530	50.865	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	222852	49.533	ug/l	100
89) n-Butylbenzene	13.59	91	395092	54.137	ug/l	100
90) Hexachloroethane	13.85	117	87273	48.628	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	215252	51.578	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	35254	50.487	ug/l	100

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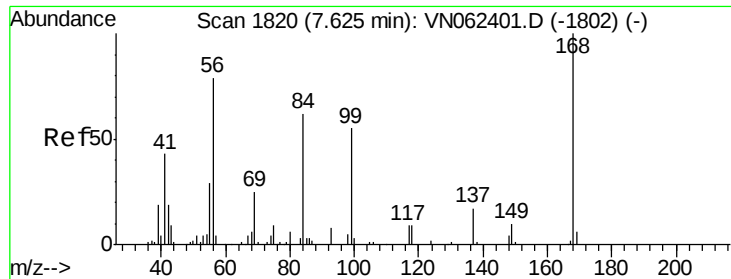
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	106816	54.676	ug/l	100
94) Hexachlorobutadiene	14.98	225	56261	46.022	ug/l	100
95) Naphthalene	15.10	128	291707	56.335	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	105931	52.848	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 193582

Ion Ratio Lower Upper

168 100

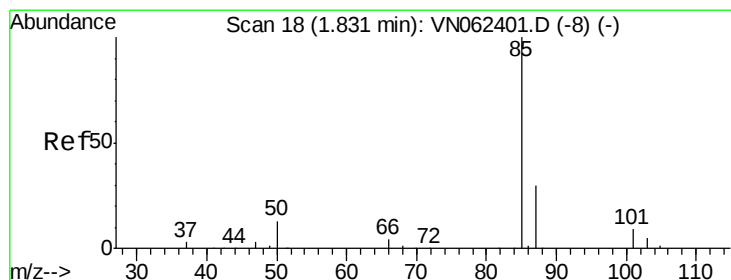
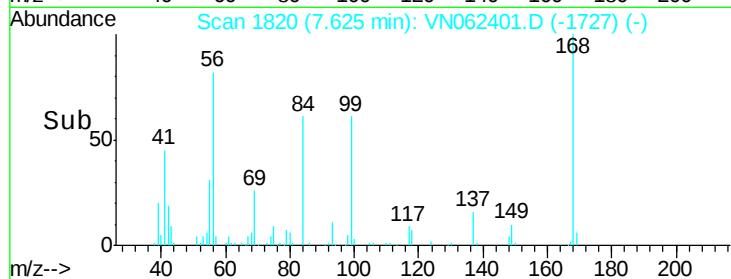
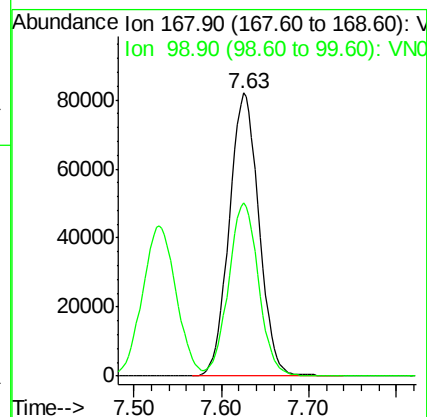
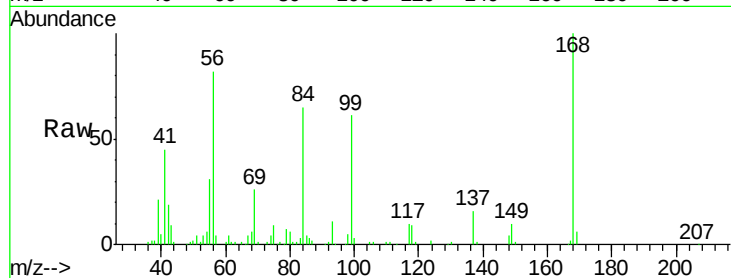
99 61.0 48.8 73.2

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#2

Dichlorodifluoromethane

Concen: 46.988 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062401.D

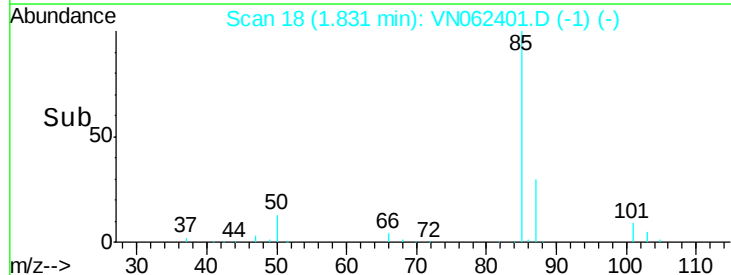
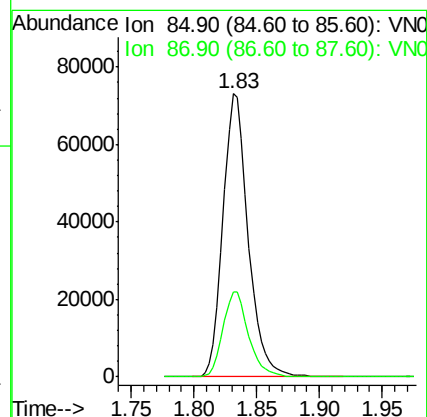
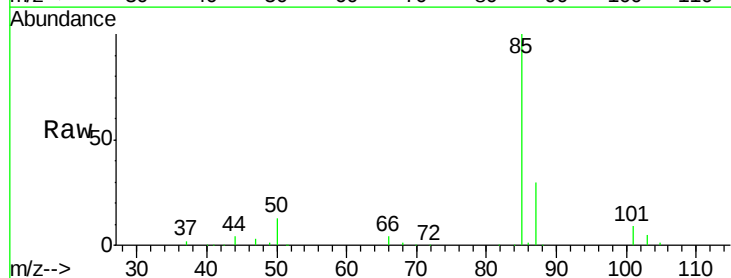
Acq: 8 Jul 2020 11:26

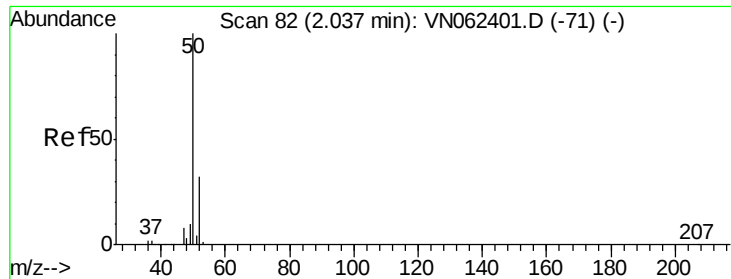
Tgt Ion: 85 Resp: 102026

Ion Ratio Lower Upper

85 100

87 30.3 15.2 45.5





#3

Chloromethane

Concen: 47.963 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 156736

Ion Ratio Lower Upper

50 100

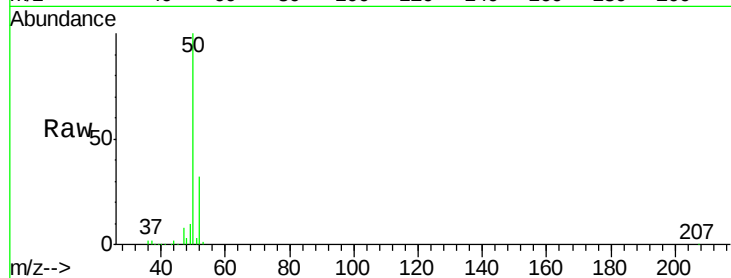
52 31.9 25.5 38.3

Manual Integrations

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7/9/2020 10:54:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

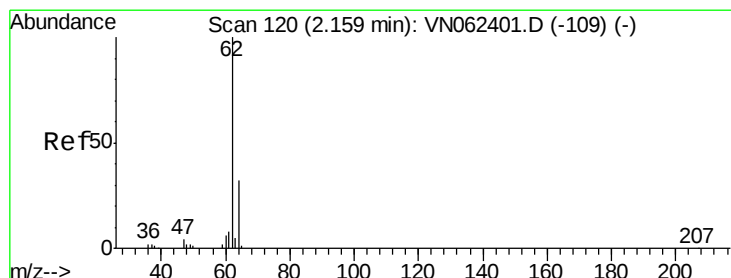
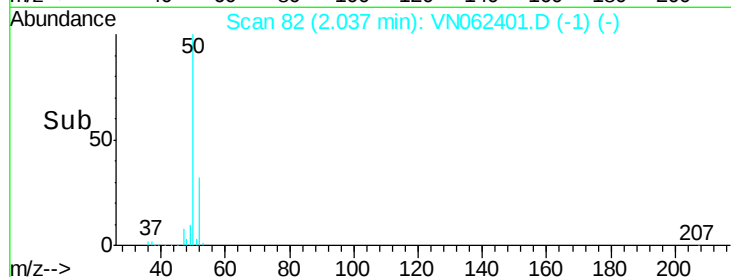
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 47.467 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062401.D

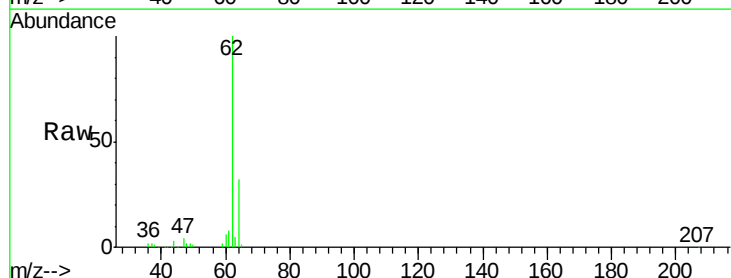
Acq: 8 Jul 2020 11:26

Tgt Ion: 62 Resp: 131926

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

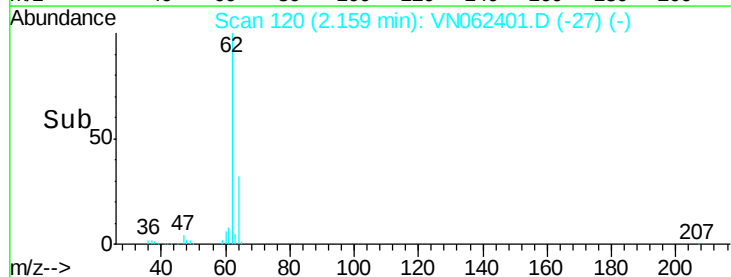
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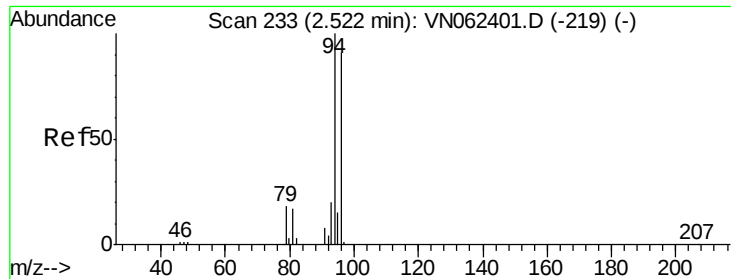
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.849 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 70179

Ion Ratio Lower Upper

94 100

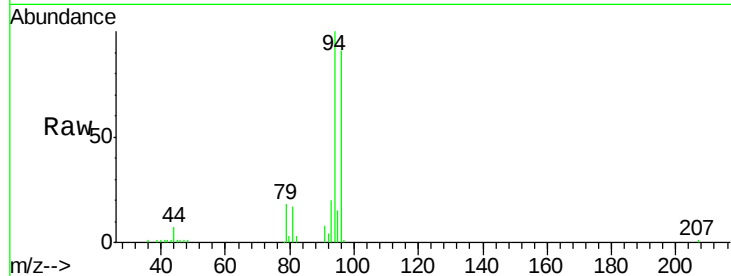
96 91.5 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.52

40000

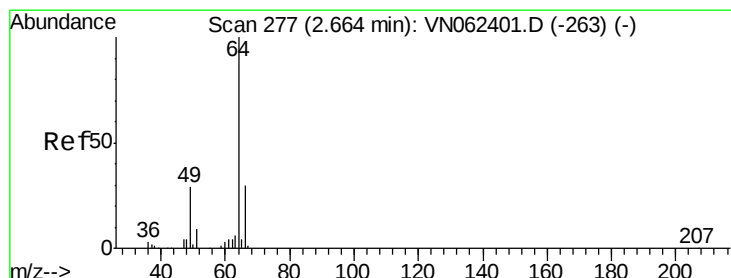
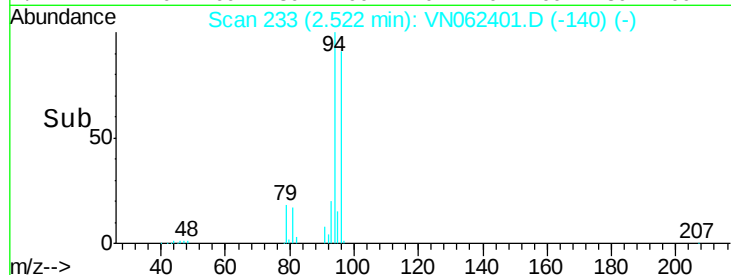
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.213 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062401.D

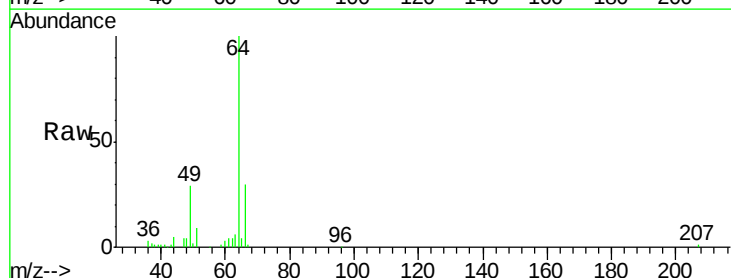
Acq: 8 Jul 2020 11:26

Tgt Ion: 64 Resp: 78121

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.66

40000

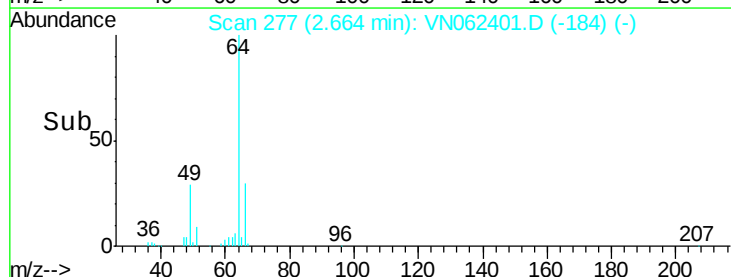
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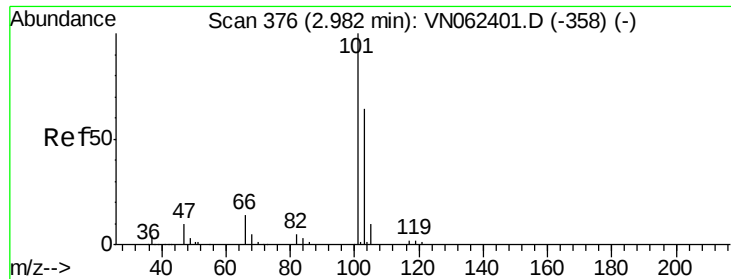
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10000

0

Time-->





#7

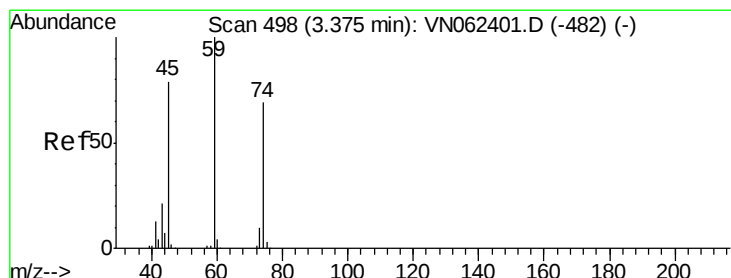
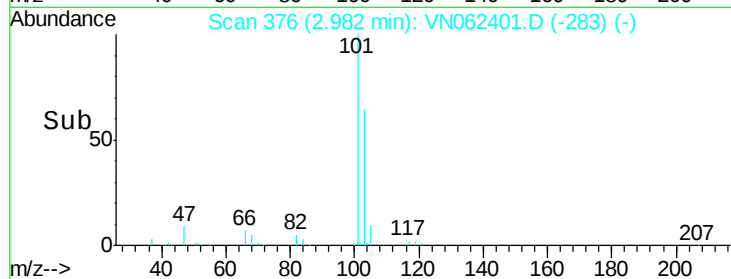
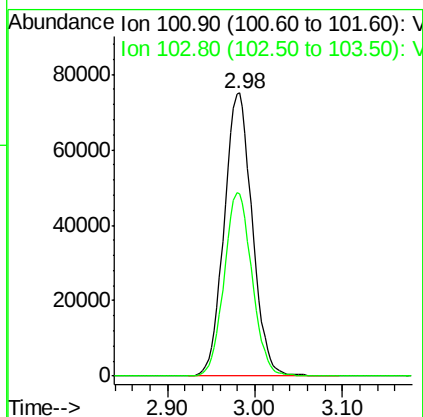
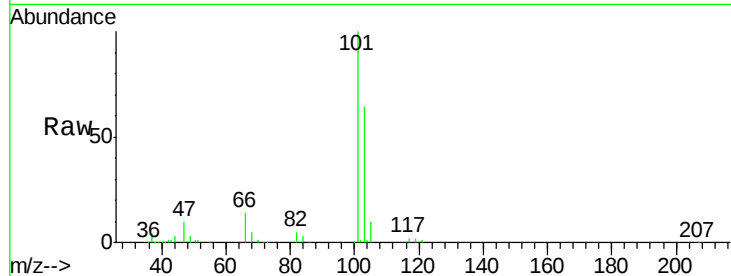
Trichlorofluoromethane
 Concen: 44.416 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

Manual Integrations
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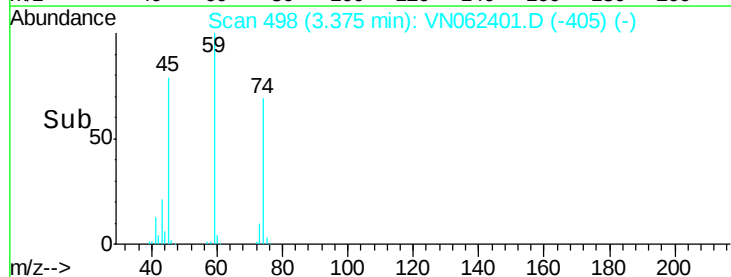
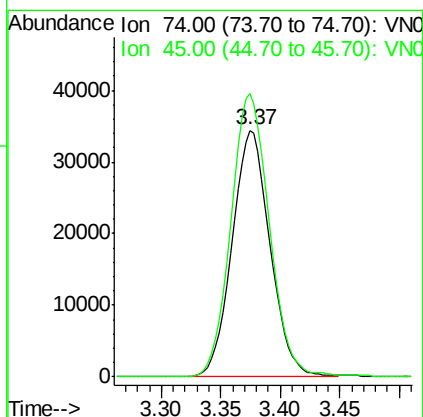
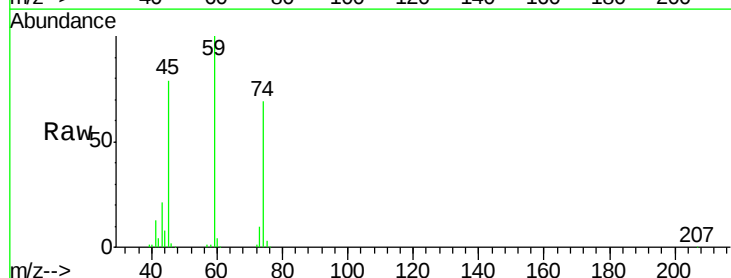
MMDadoda
 7/9/2020 10:54:52 AM

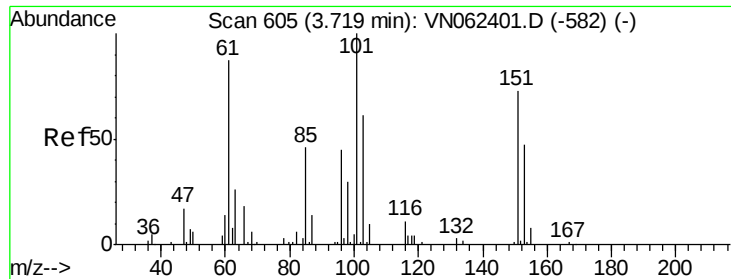


#8

Diethyl Ether
 Concen: 50.674 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.9	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.896 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

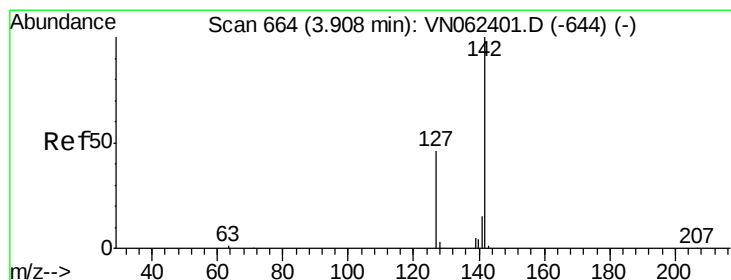
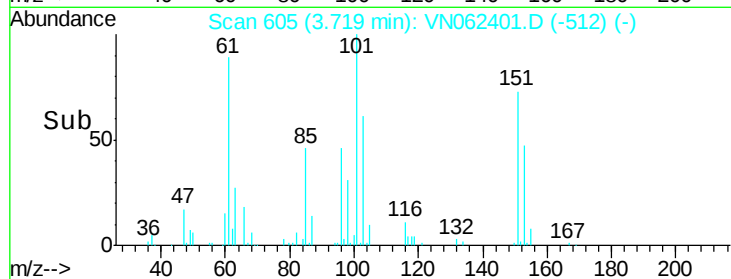
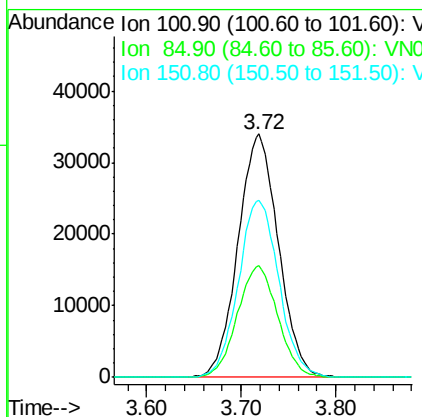
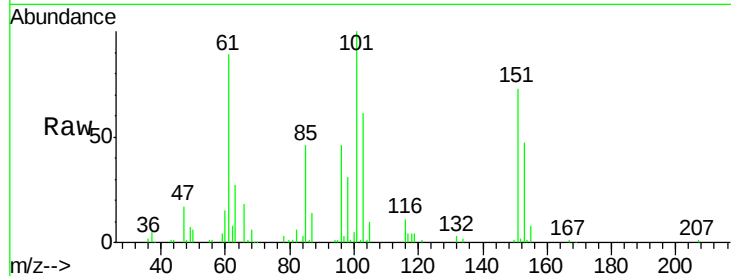
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	100500
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.7	55.1
151	72.9	58.3	87.5

Manual Integrations
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7/9/2020 10:54:52 AM



#10

Methyl Iodide

Concen: 52.734 ug/l

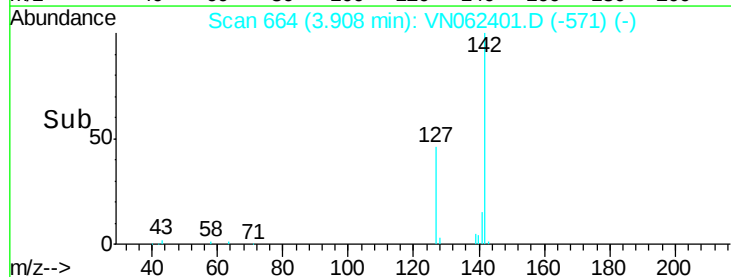
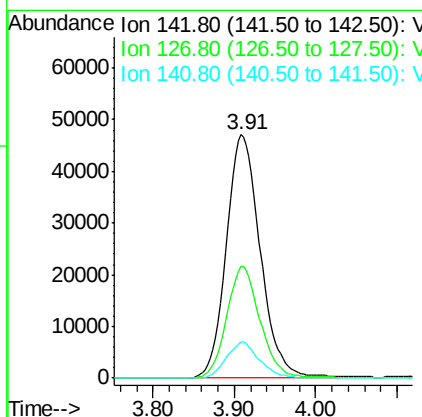
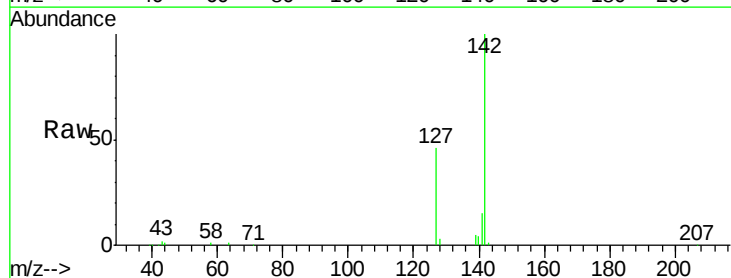
RT: 3.91 min Scan# 664

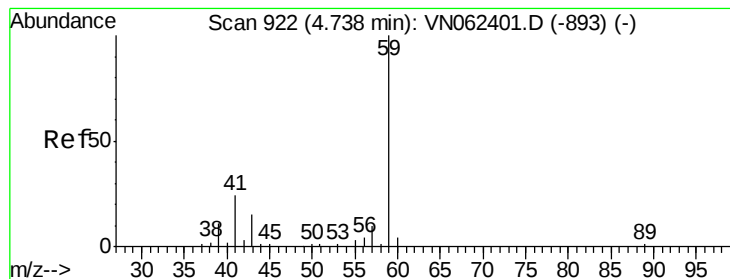
Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	142	Resp:	137151
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.1	54.1
141	14.2	11.4	17.0





#11

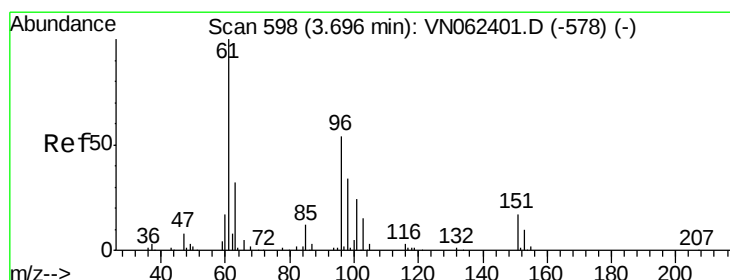
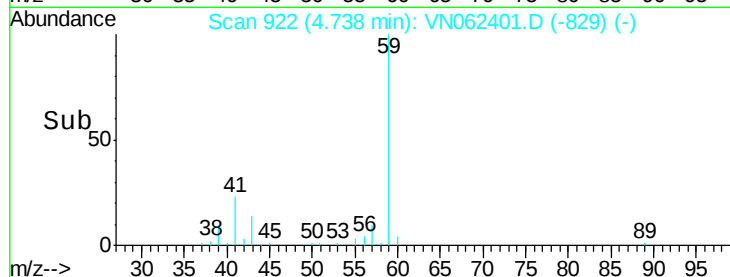
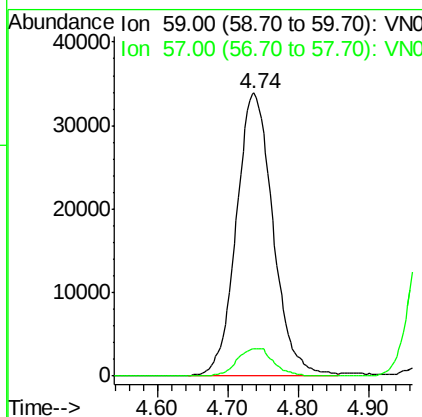
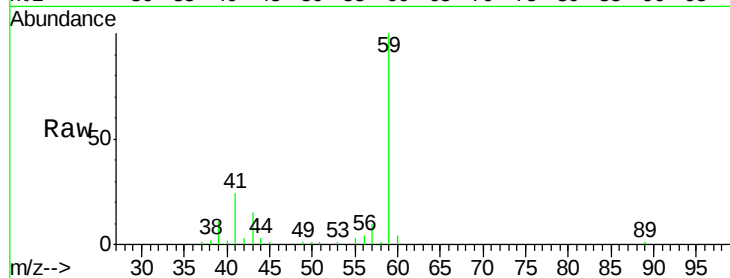
Tert butyl alcohol
Concen: 255.356 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

Manual Integrations
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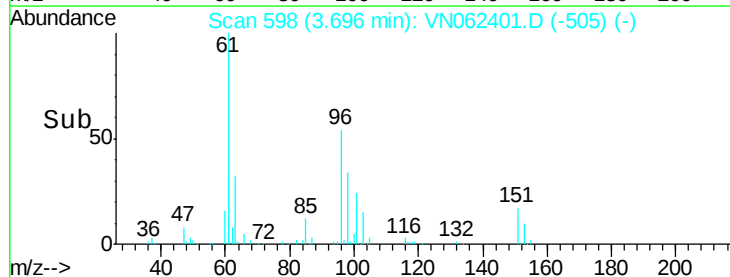
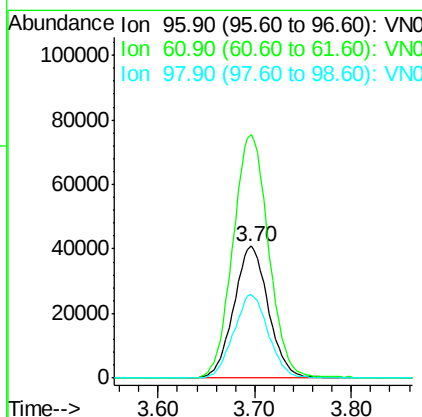
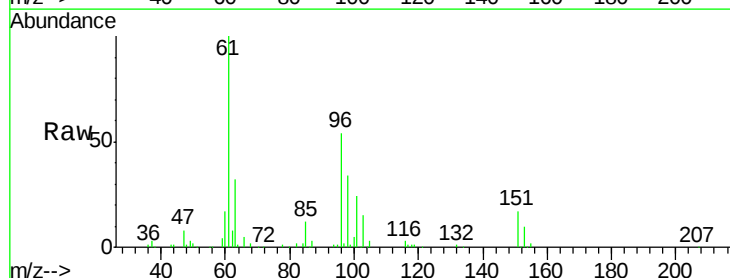
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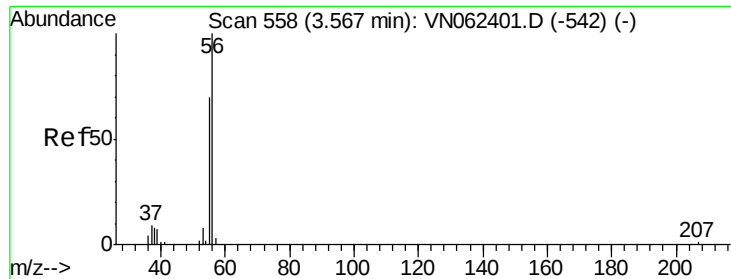


#12

1,1-Dichloroethene
Concen: 50.754 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.2	147.4	221.0
98	63.0	50.4	75.6





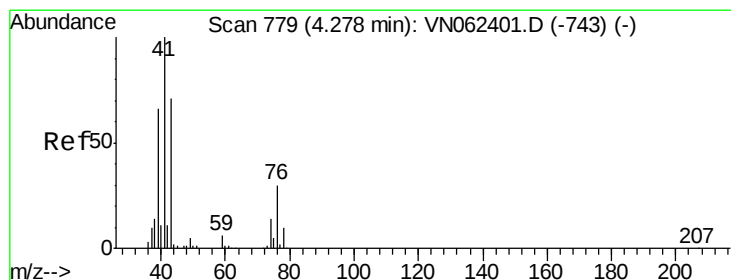
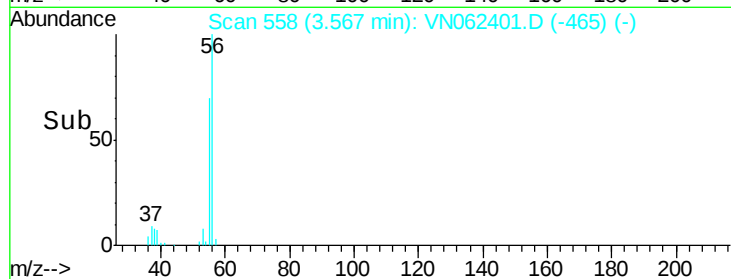
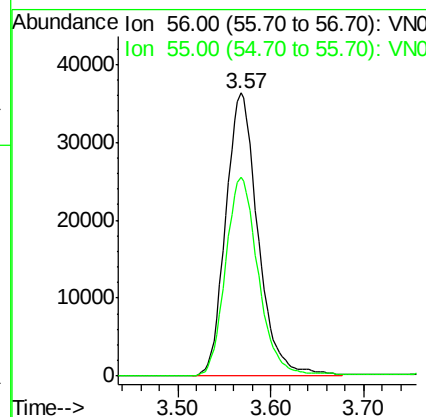
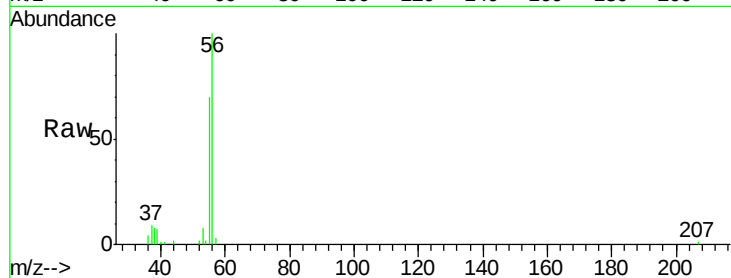
#13
Acrolein
Concen: 354.803 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.5	57.2	85.8

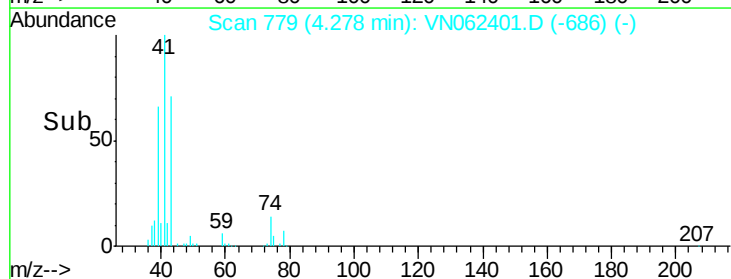
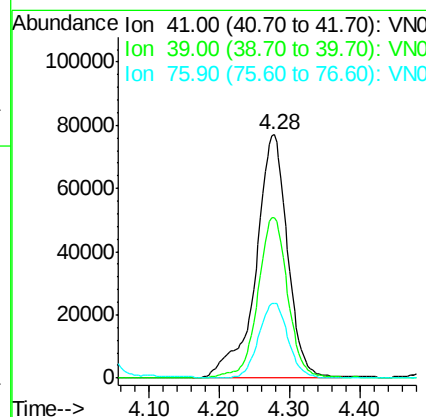
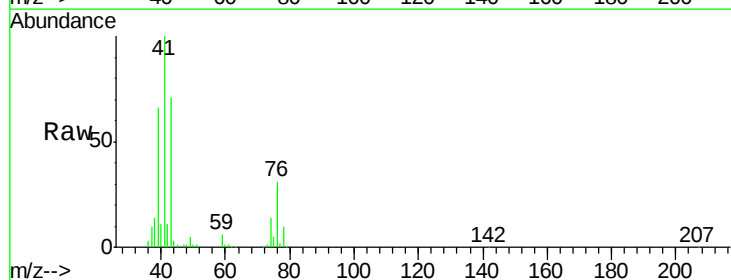
Manual Integrations
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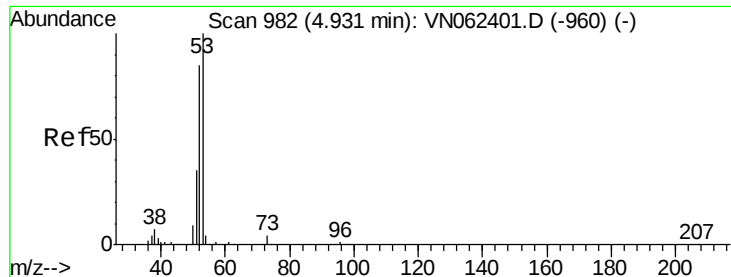
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#14
Allyl chloride
Concen: 49.926 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	62.0	49.6	74.4
76	76	27.8	22.2	33.4





#15

Acrylonitrile

Concen: 271.103 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

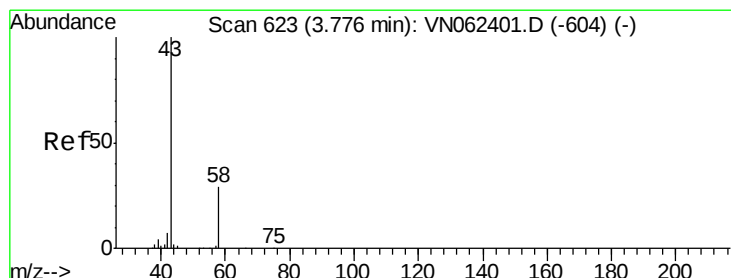
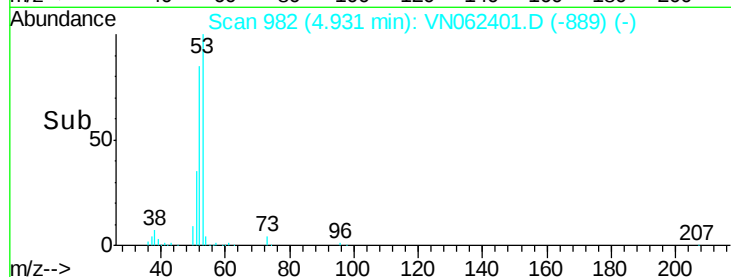
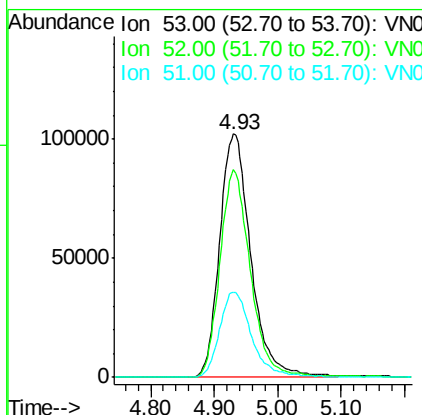
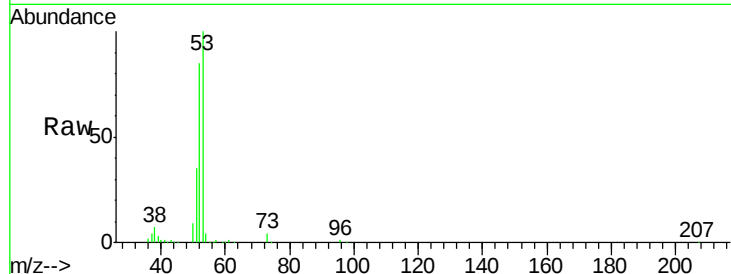
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	348266
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.2	99.4
51	35.9	28.7	43.1

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#16

Acetone

Concen: 196.726 ug/l

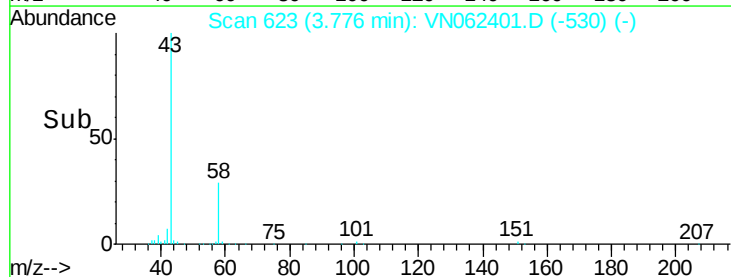
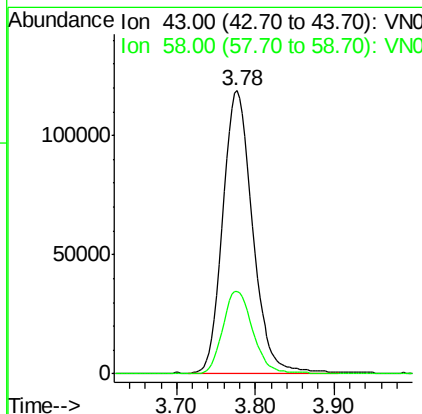
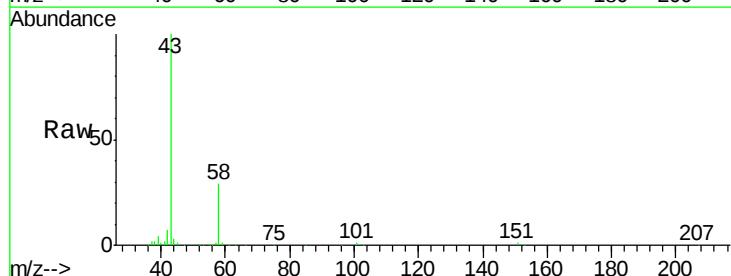
RT: 3.78 min Scan# 623

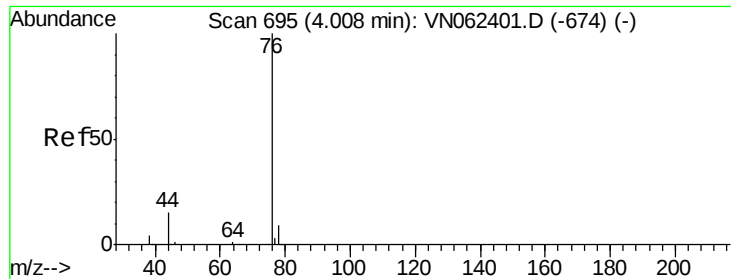
Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	43	Resp:	308280
Ion Ratio		Lower	Upper
43	100		
58	29.4	23.5	35.3





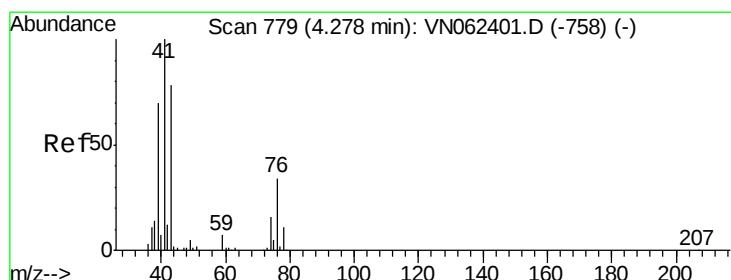
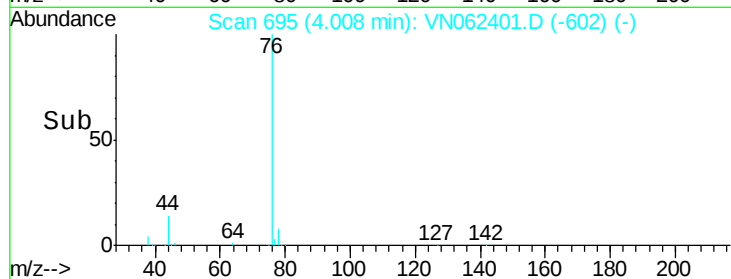
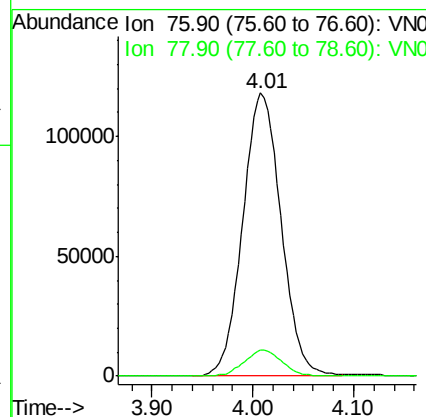
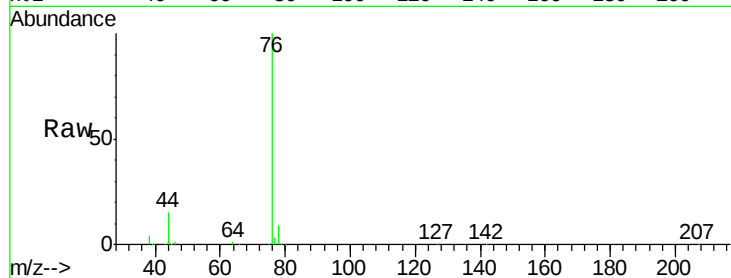
#17
Carbon Disulfide
Concen: 48.924 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

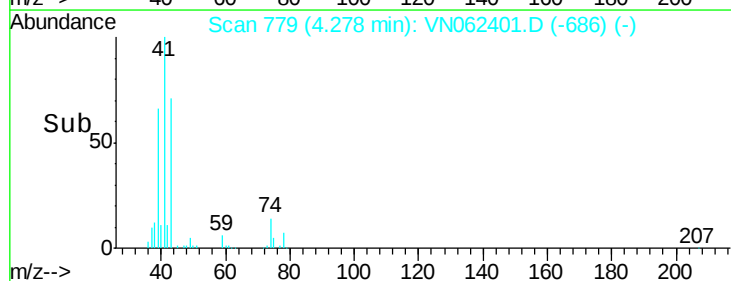
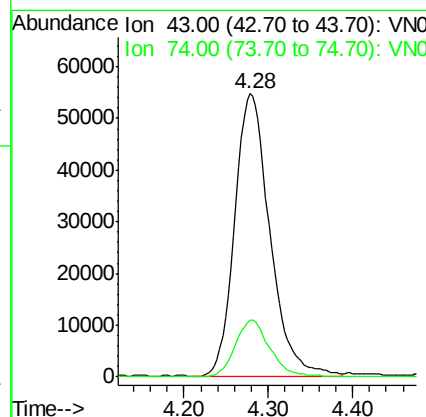
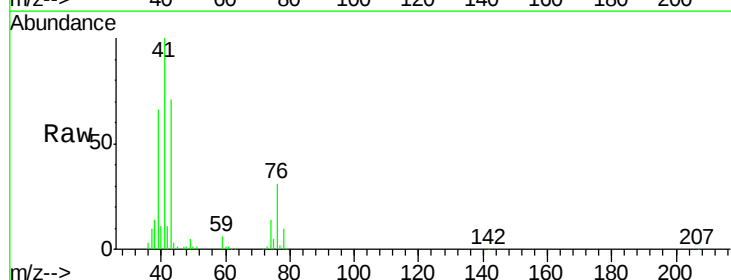
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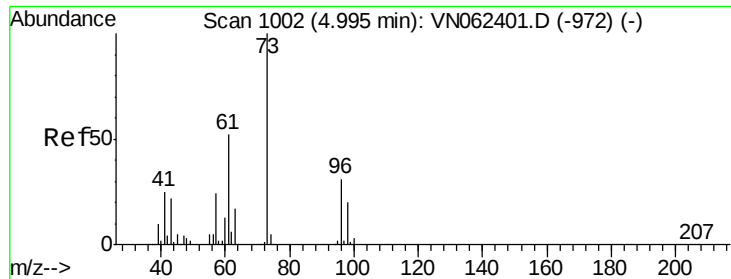
MMDadoda
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#18
Methyl Acetate
Concen: 44.902 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.0	24.0





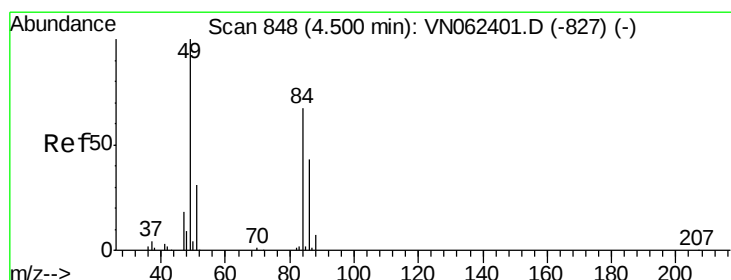
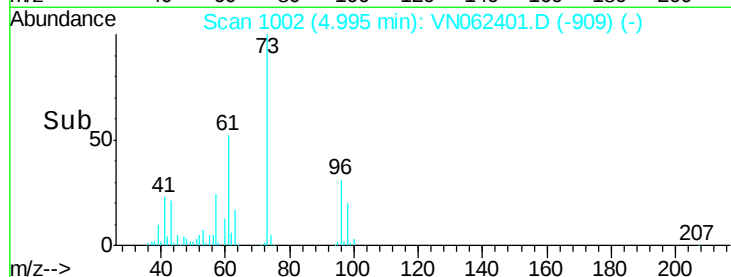
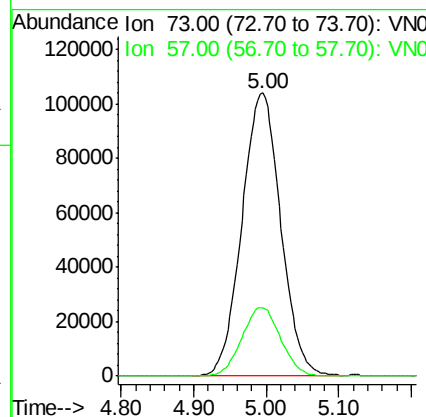
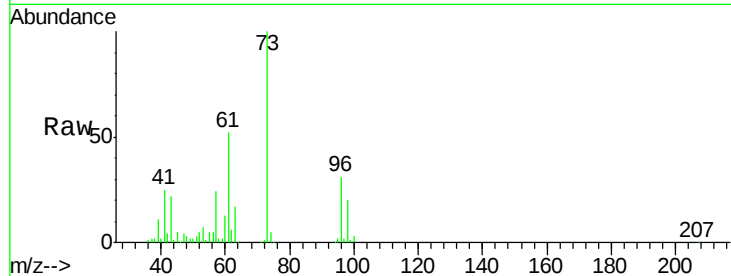
#19
Methyl tert-butyl Ether
Concen: 50.947 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.4	29.0

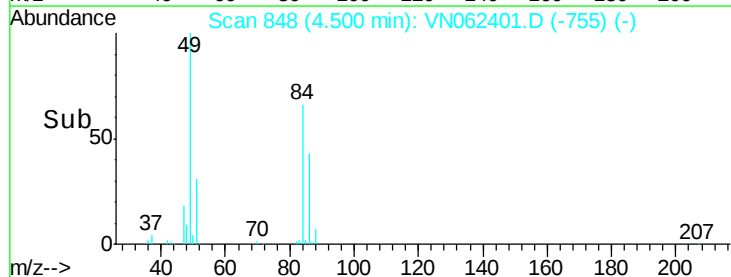
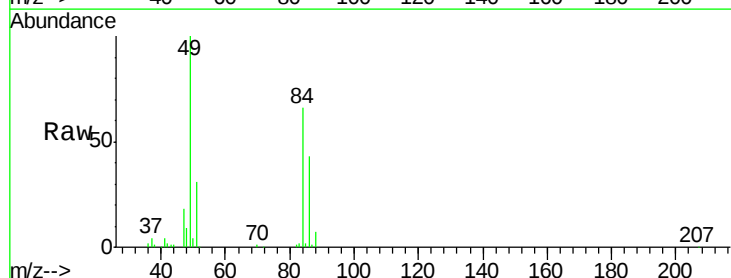
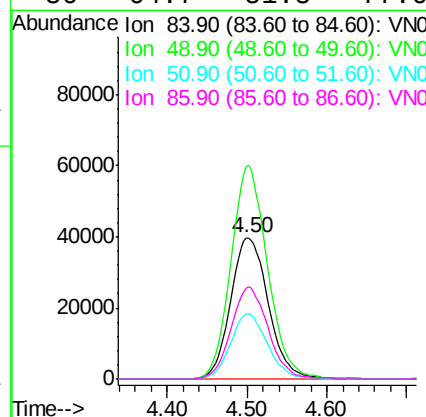
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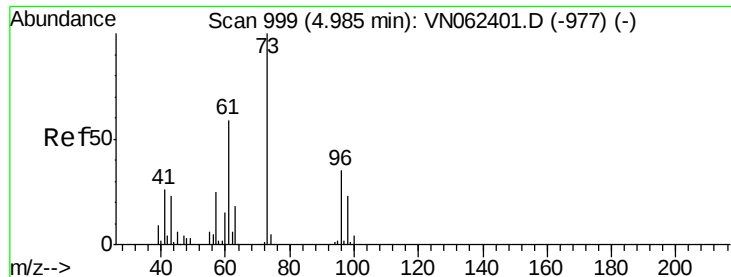
MMDadoda
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#20
Methylene Chloride
Concen: 44.457 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.0	120.0	180.0
51	46.3	37.0	55.6
86	64.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 50.924 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

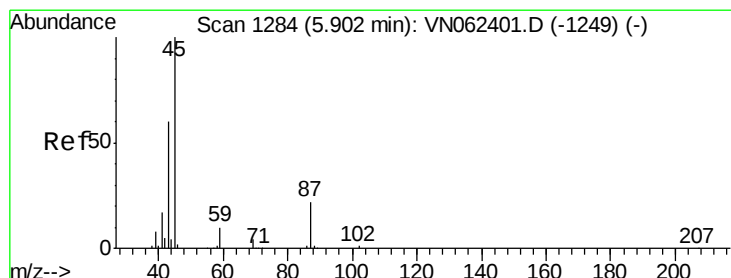
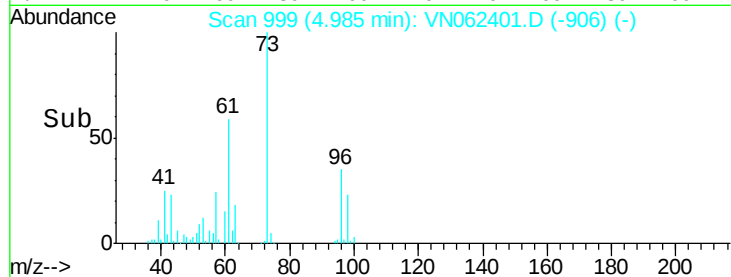
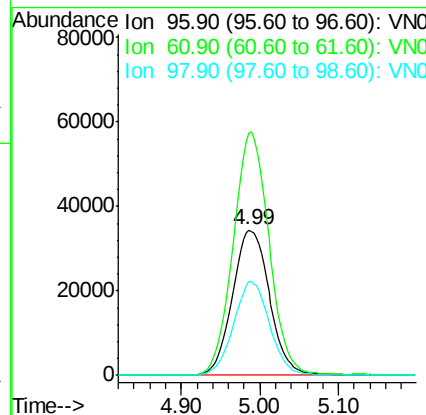
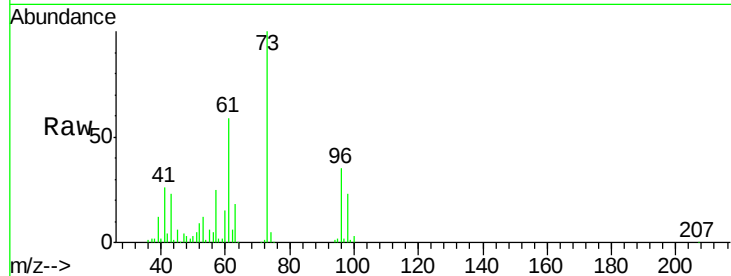
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	113118
Ion	Ratio	Lower	Upper
96	100		
61	166.9	133.5	200.3
98	64.9	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.126 ug/l

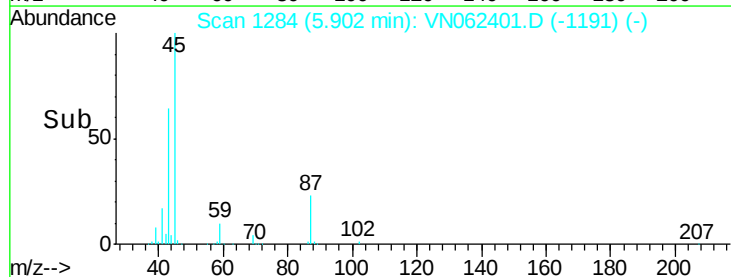
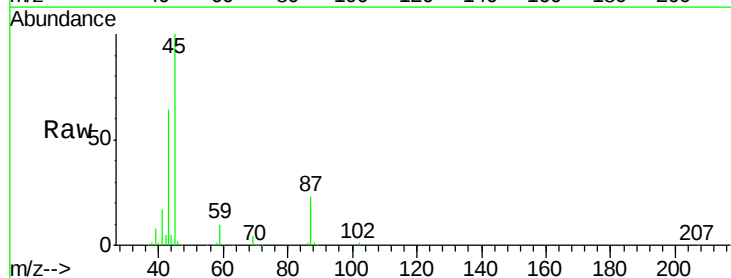
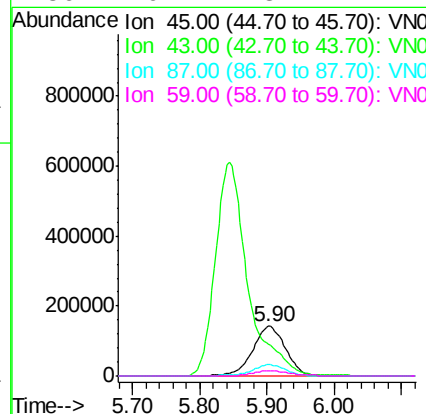
RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	45	Resp:	484486
Ion	Ratio	Lower	Upper
45	100		
43	62.6	50.1	75.1
87	22.8	18.2	27.4
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 273.835 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2055616

Ion Ratio Lower Upper

43 100

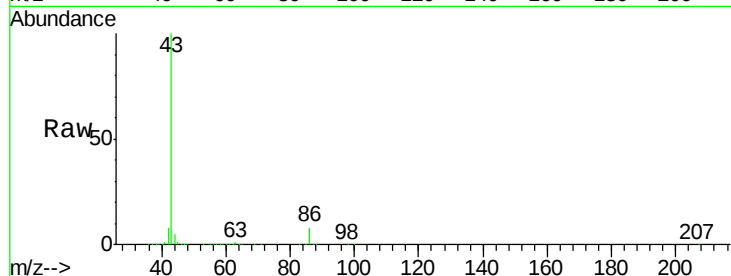
86 8.4 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

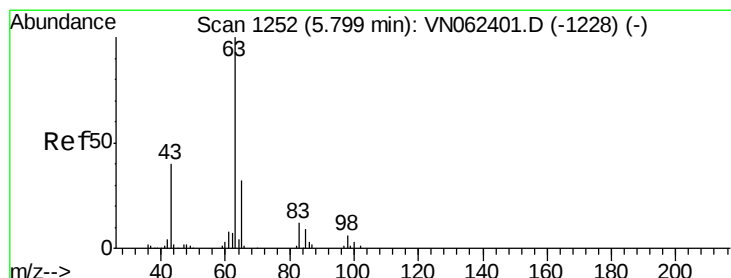
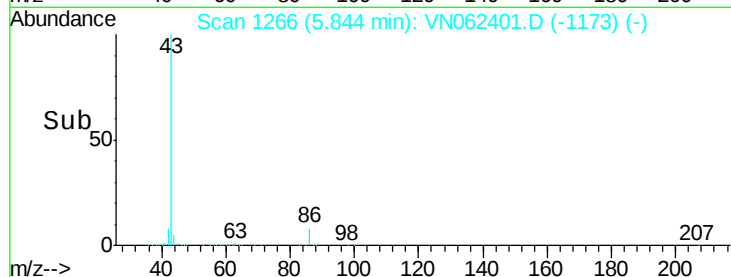
400000

200000

0

5.80 5.84 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.942 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

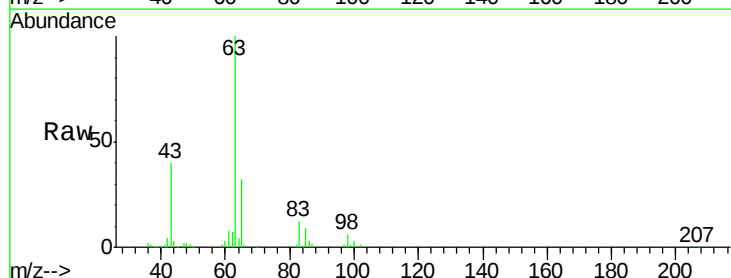
Tgt Ion: 63 Resp: 246216

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.5 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

60000

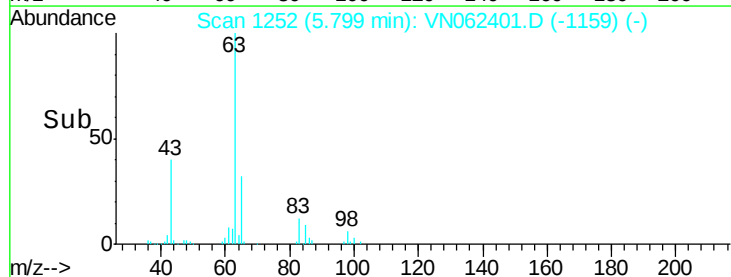
40000

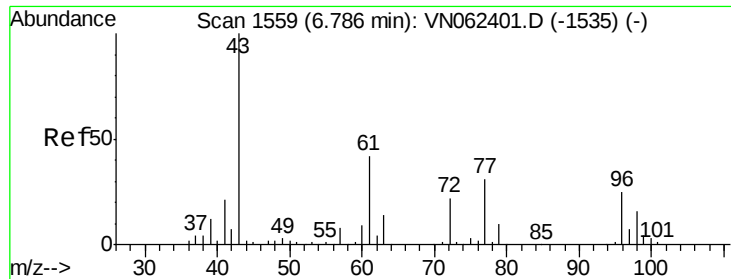
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 242.240 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 486417

Ion Ratio Lower Upper

43 100

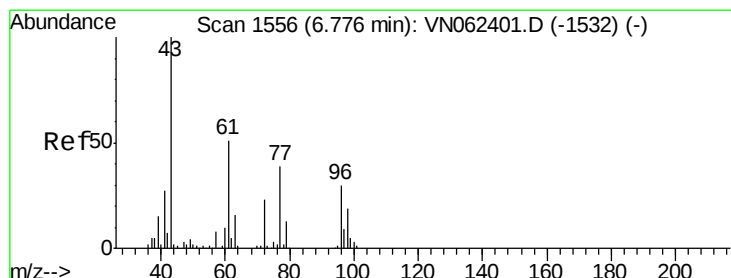
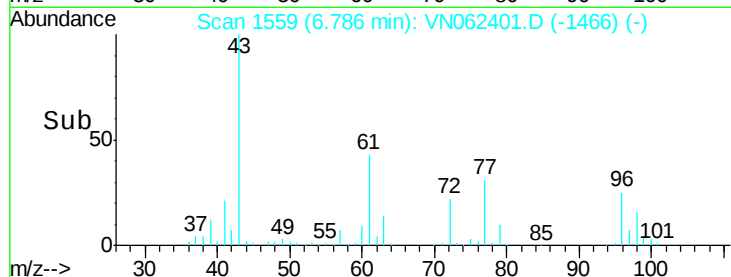
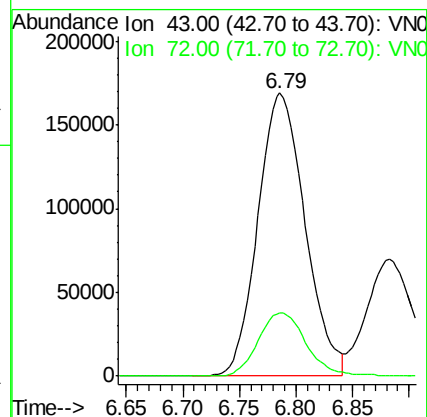
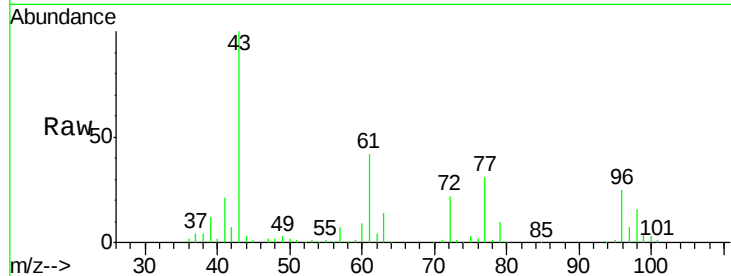
72 22.4 17.9 26.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.967 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062401.D

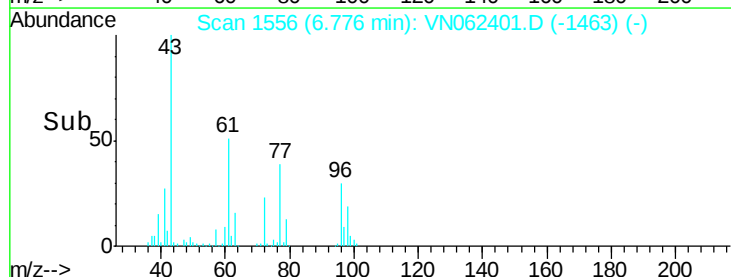
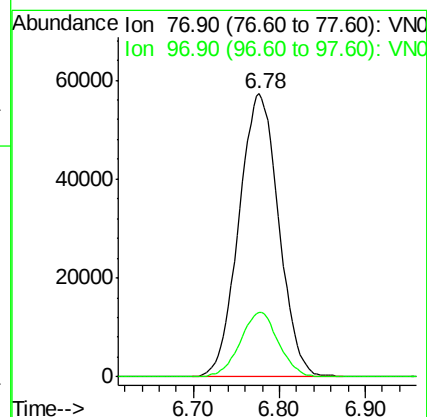
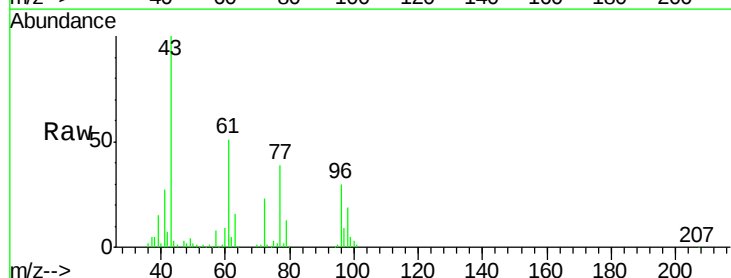
Acq: 8 Jul 2020 11:26

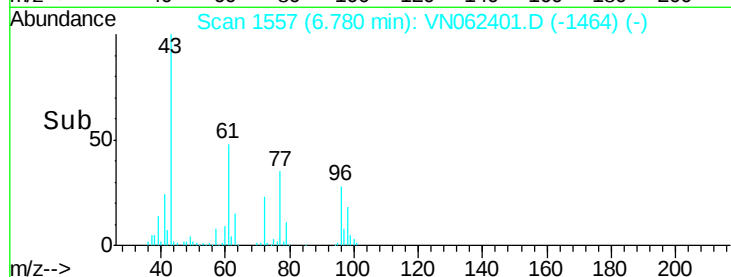
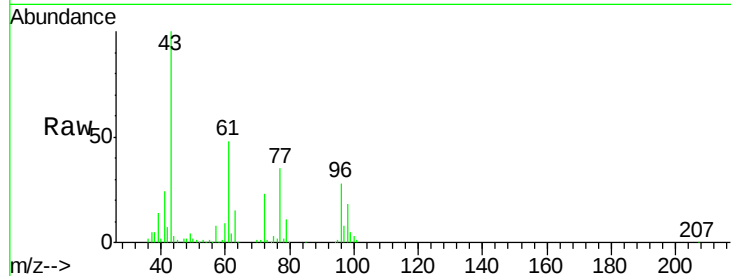
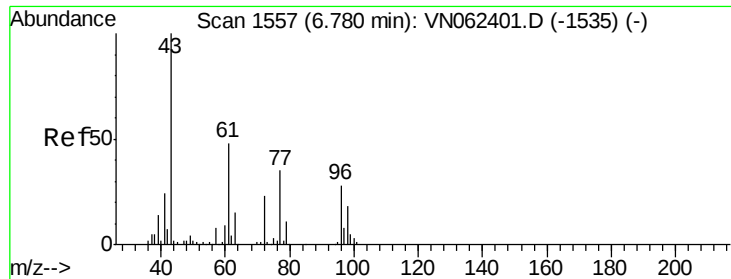
Tgt Ion: 77 Resp: 184485

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9





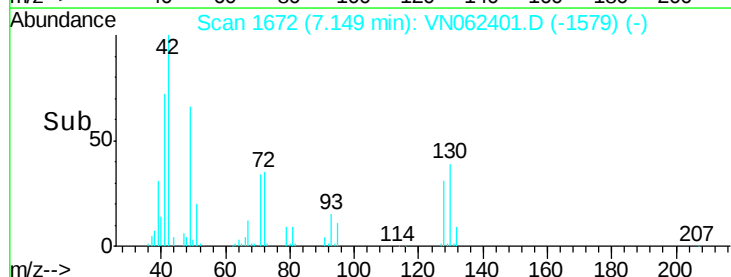
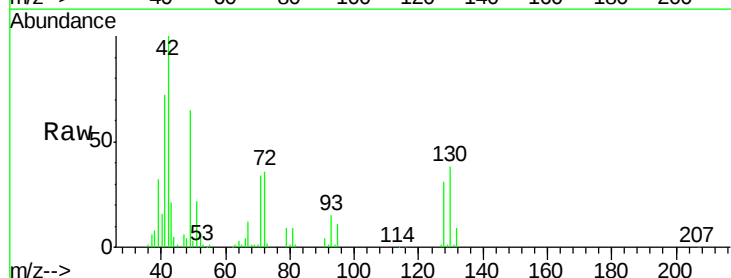
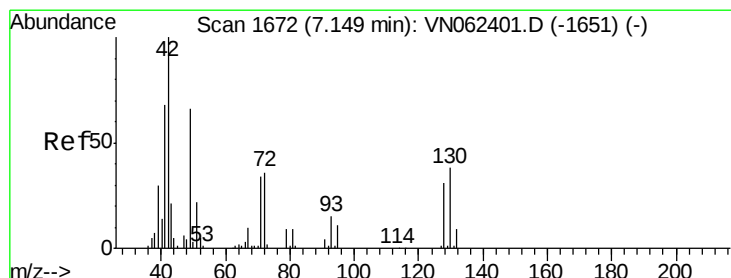
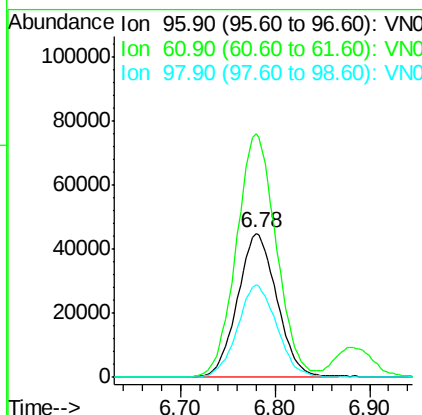
#27
 cis-1,2-Dichloroethene
 Concen: 51.210 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129890		
61	171.7	0.0	343.4	
98	64.2	0.0	128.4	

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

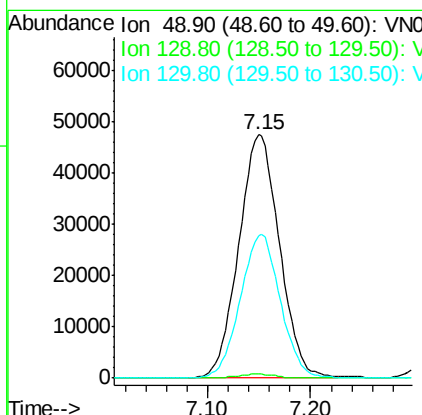
Manual Integrations
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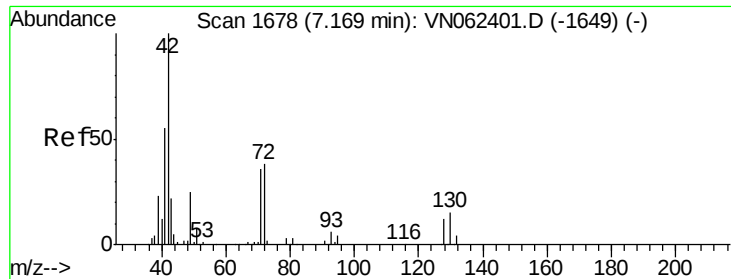
MMDadoda
 7/9/2020 10:54:52 AM



#28
 Bromochloromethane
 Concen: 49.137 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130490		
129	1.4	0.0	2.8	
130	58.1	46.5	69.7	





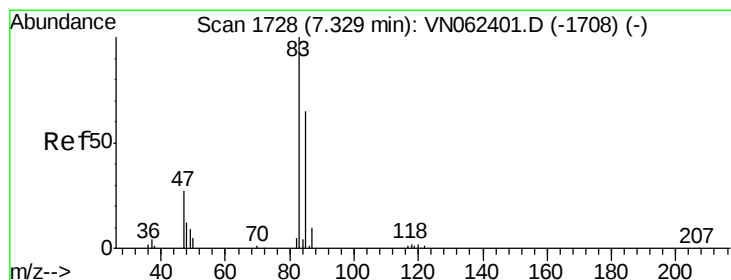
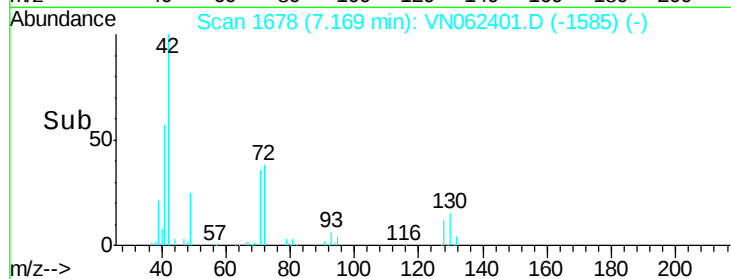
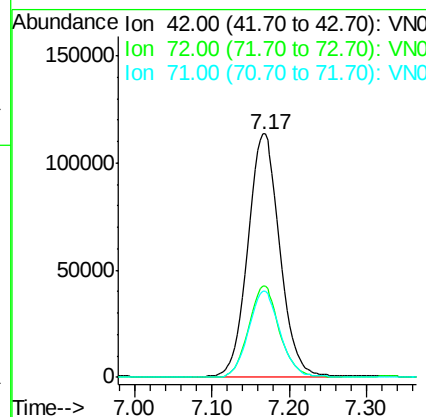
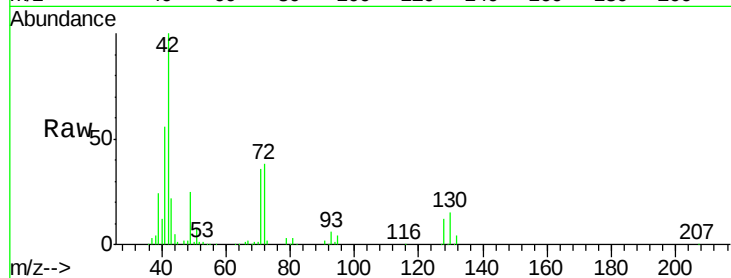
#29
Tetrahydrofuran
Concen: 255.065 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.1	43.7
71	35.1	28.1	42.1

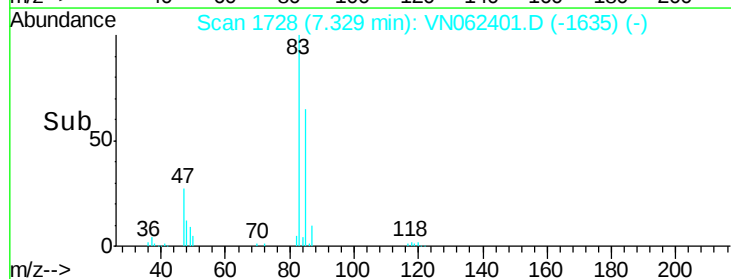
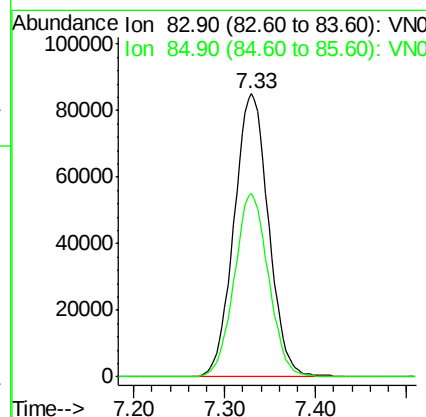
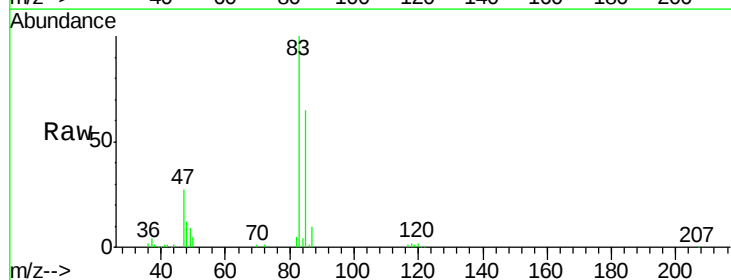
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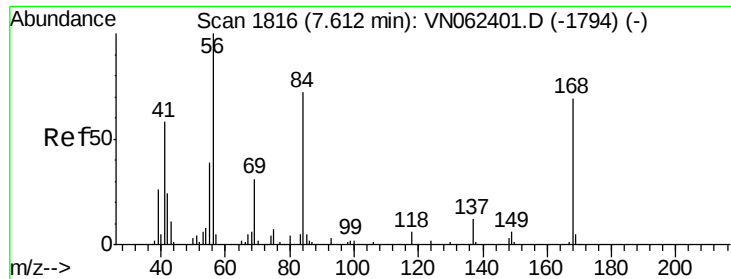
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#30
Chloroform
Concen: 47.997 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 49.518 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

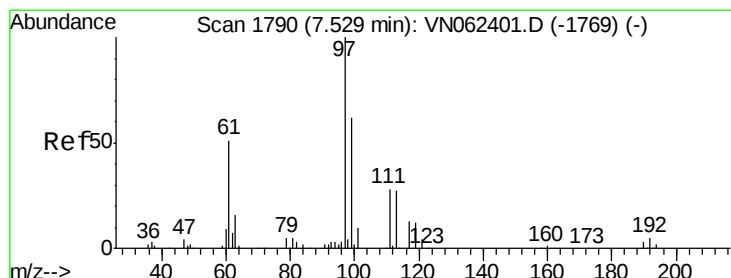
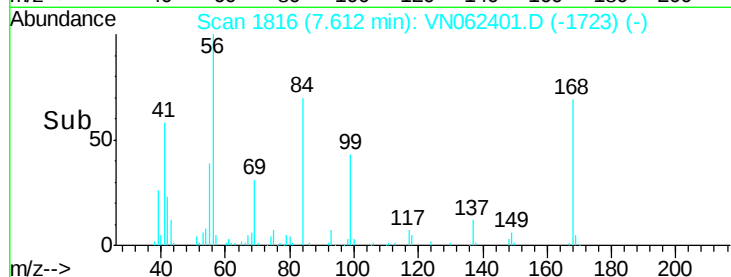
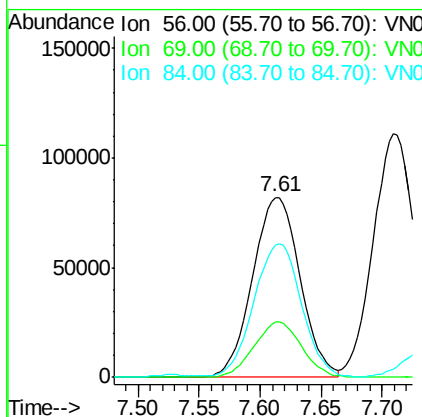
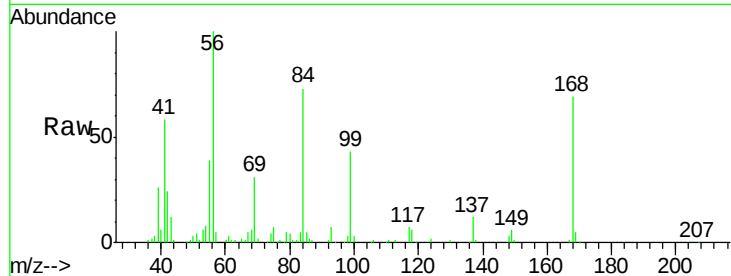
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	221817
Ion Ratio	Lower	Upper	
56	100		
69	30.6	24.5	36.7
84	71.8	57.4	86.2

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#32

1,1,1-Trichloroethane

Concen: 47.570 ug/l

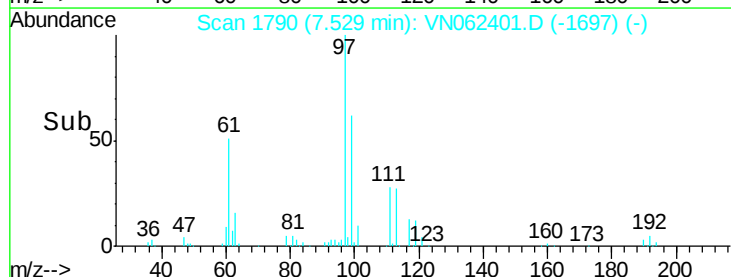
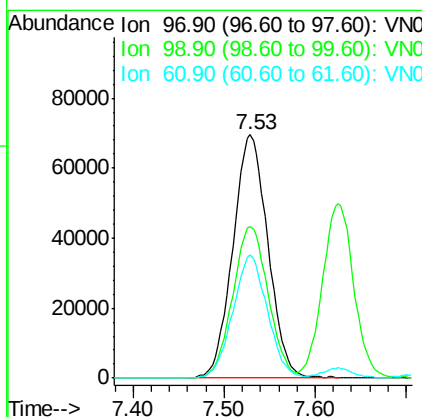
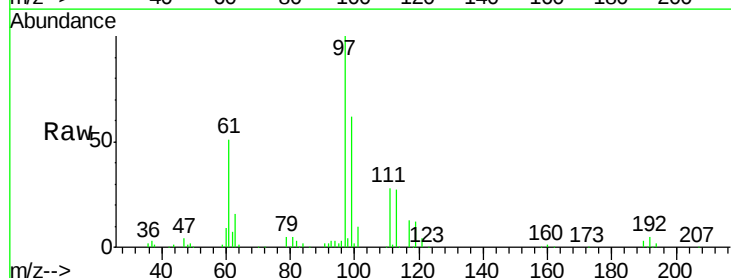
RT: 7.53 min Scan# 1790

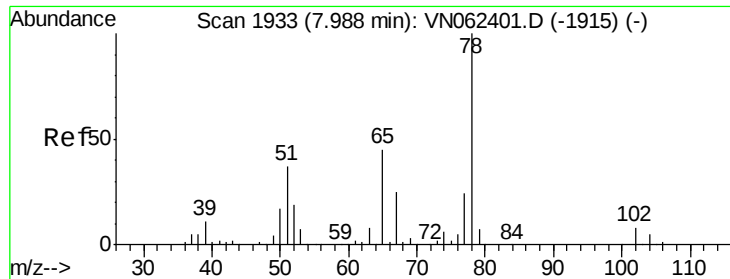
Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	97	Resp:	185840
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.4	75.6
61	49.9	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 43.980 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tot Ion: 65 Resp: 149298

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.6

Instrument :

MSVOA_N

ClientSampleId :

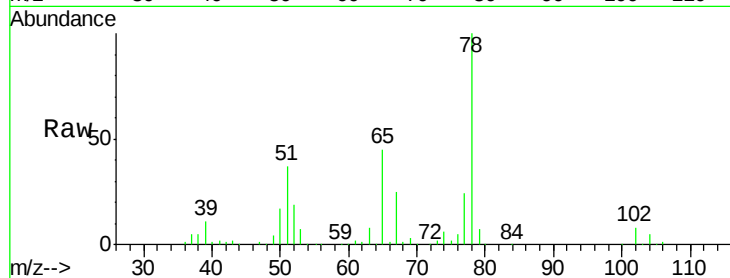
VSTDICCC050

Manual Integrations

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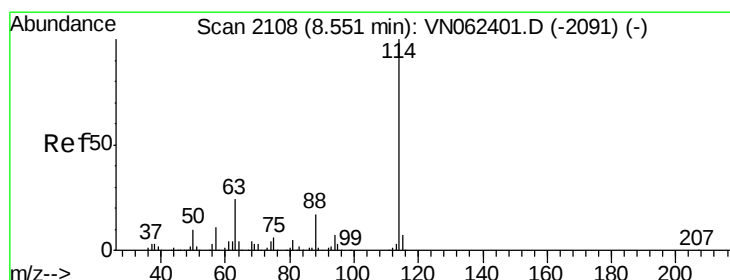
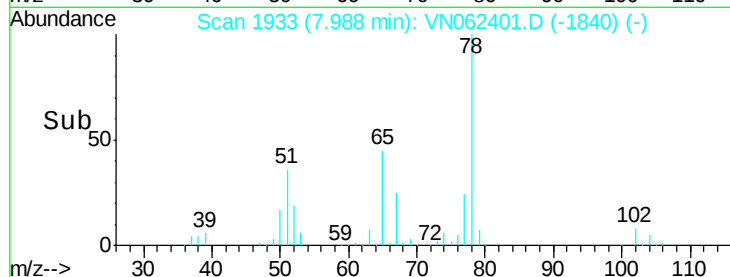
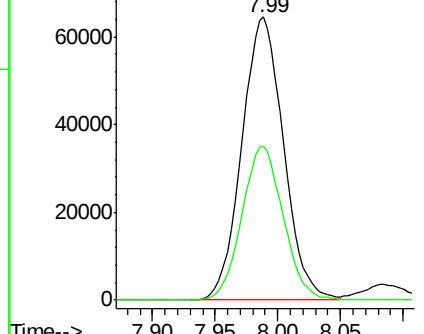
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Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

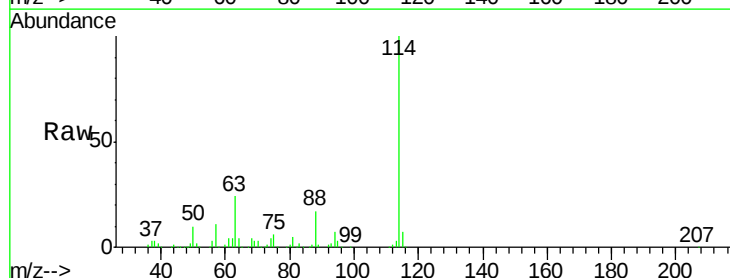
Tgt Ion: 114 Resp: 327919

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.4

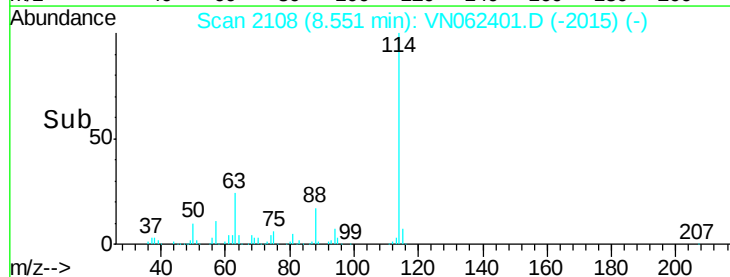
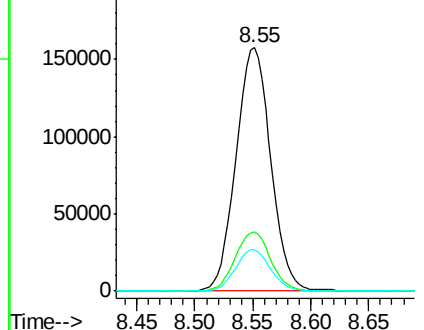
88 16.9 0.0 33.8

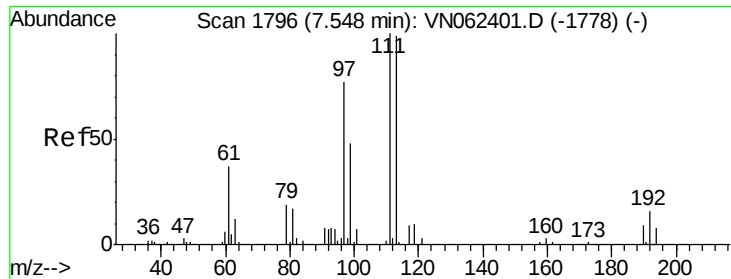


Abundance Ion 113.90 (113.60 to 114.60): VN062401.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062401.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062401.D (-2091) (-)





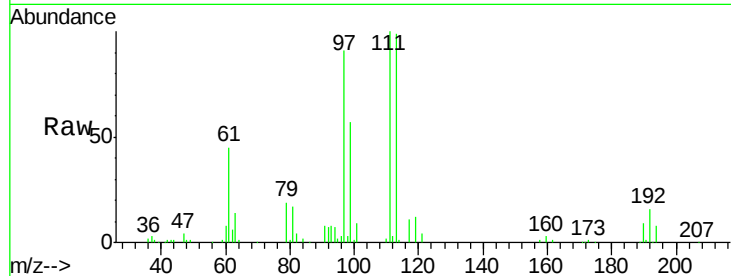
#35
 Dibromofluoromethane
 Concen: 48.143 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

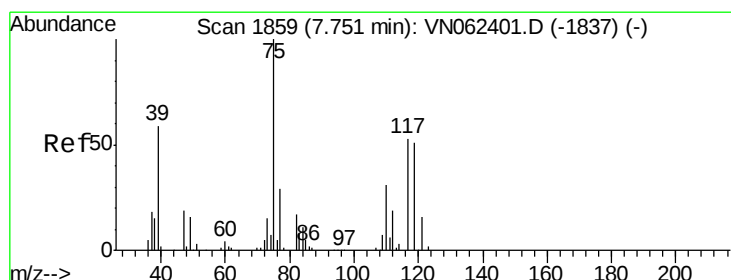
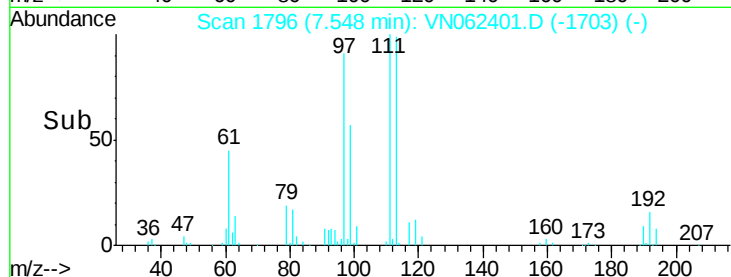
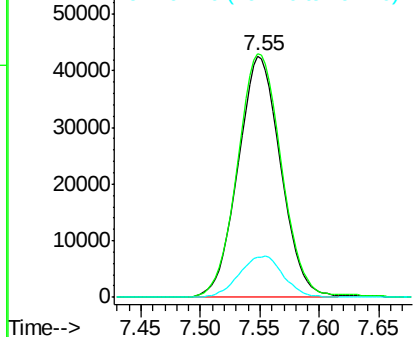
Tot Ion	Ratio	Resp	Lower	Upper
113	100	105681		
111	103.9	83.1	124.7	
192	17.6	14.1	21.1	

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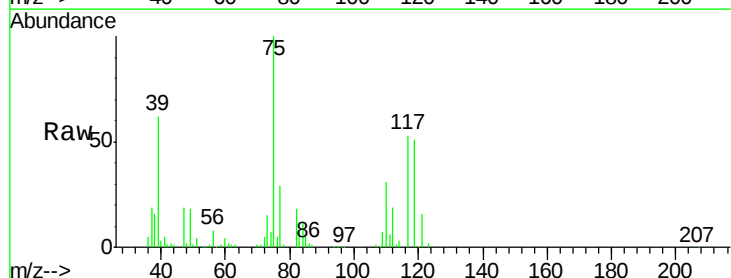


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

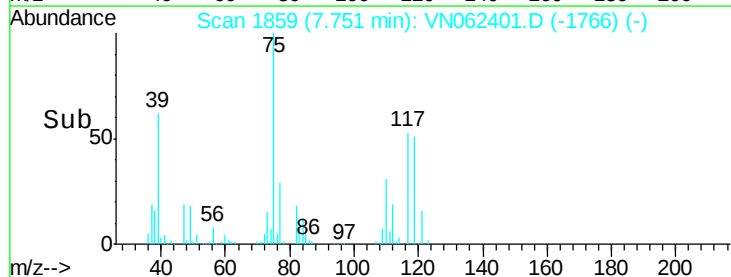
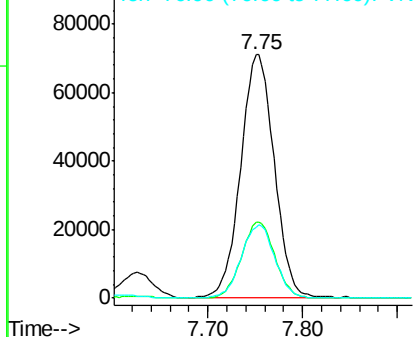


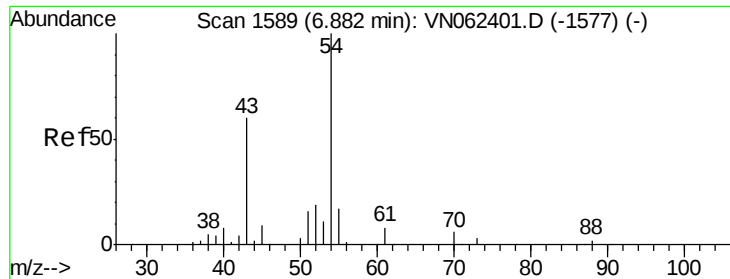
#36
 1,1-Dichloropropene
 Concen: 50.602 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175686		
110	30.8	15.4	46.2	
77	30.1	24.1	36.1	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





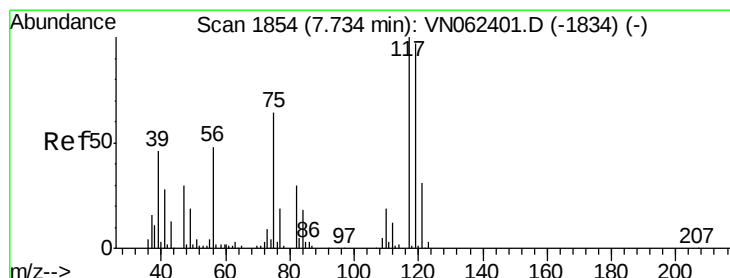
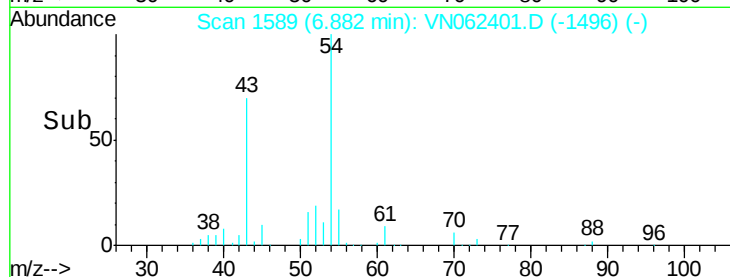
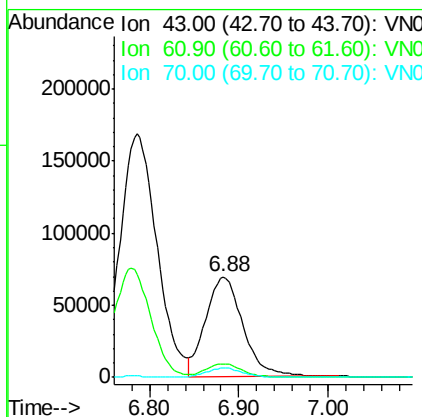
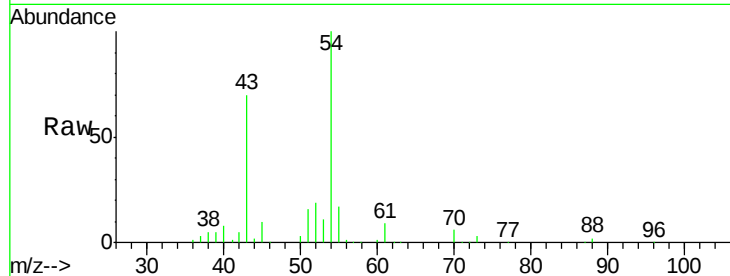
#37
Ethyl Acetate
Concen: 49.884 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.0	7.2	10.8

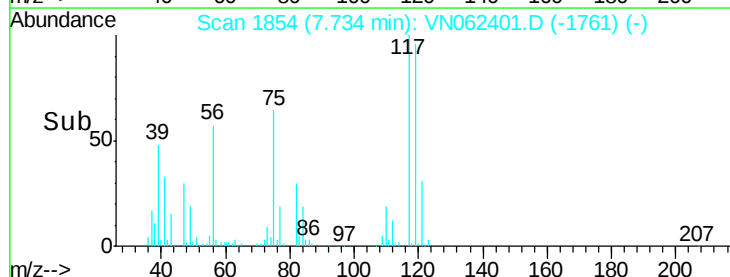
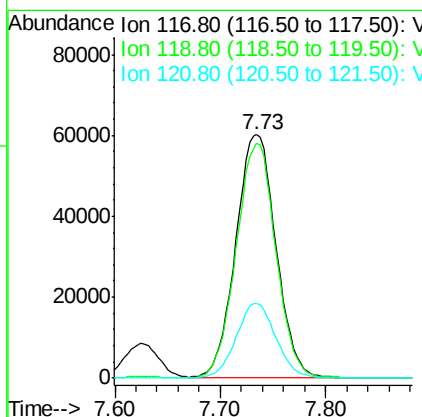
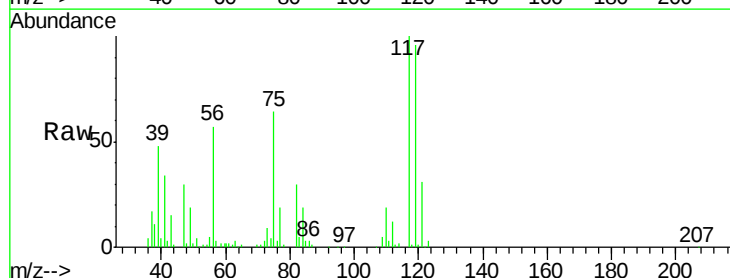
Manual Integrations
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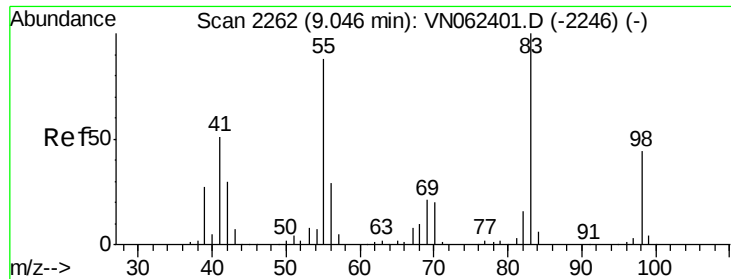
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#38
Carbon Tetrachloride
Concen: 46.152 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	31.0	24.8	37.2





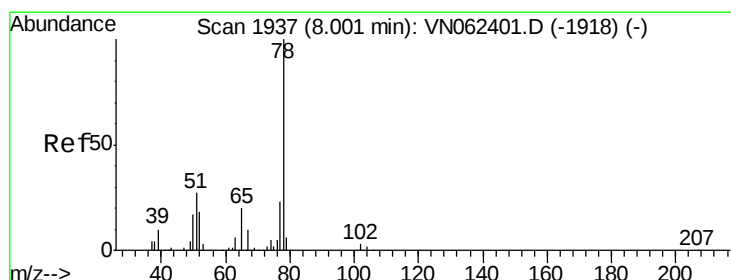
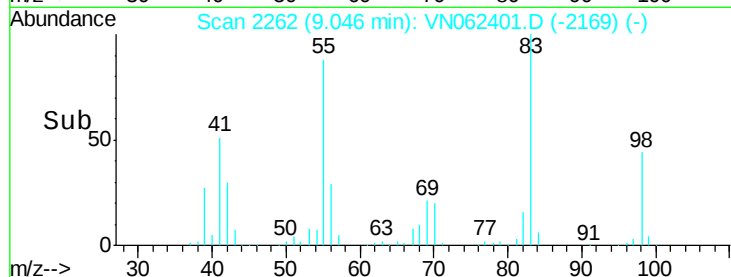
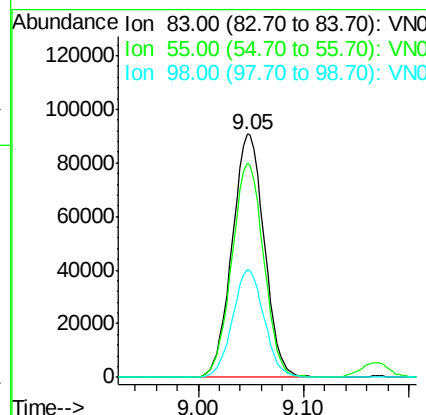
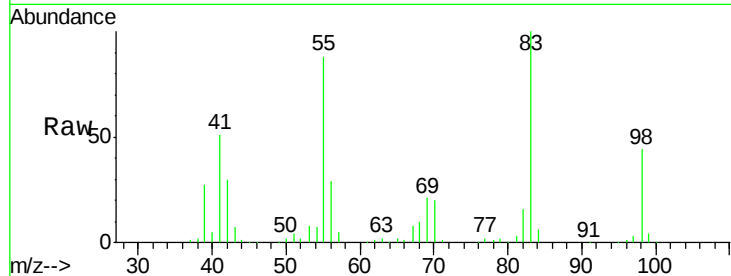
#39
Methvlcvclohexane
Concen: 51.341 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	70.5	105.7
98	44.4	35.5	53.3

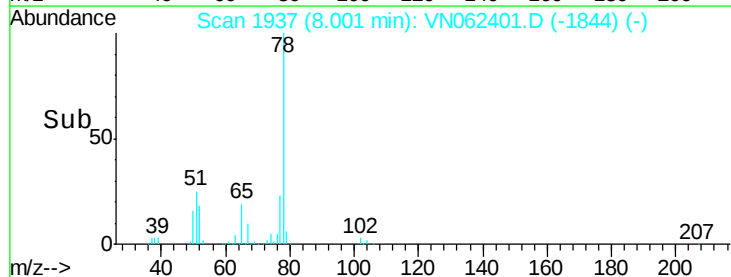
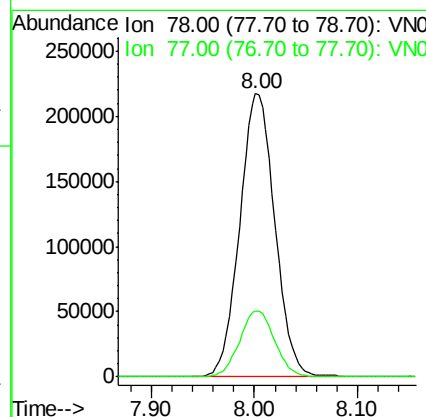
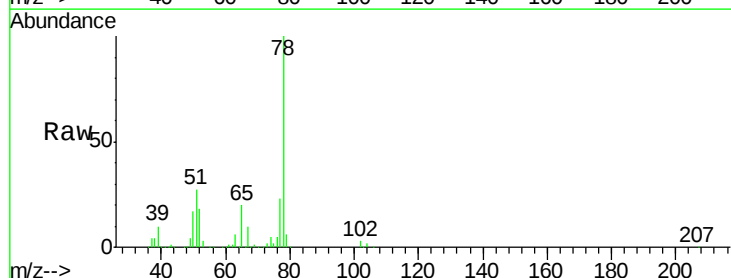
Manual Integrations
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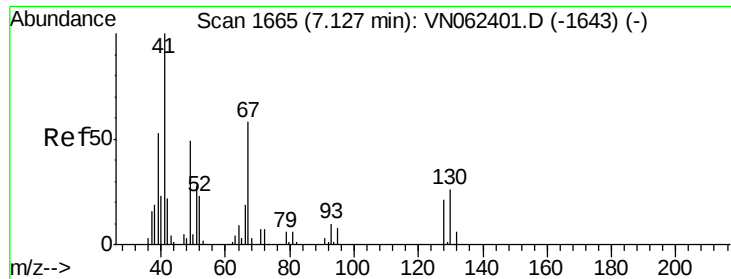
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#40
Benzene
Concen: 52.065 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





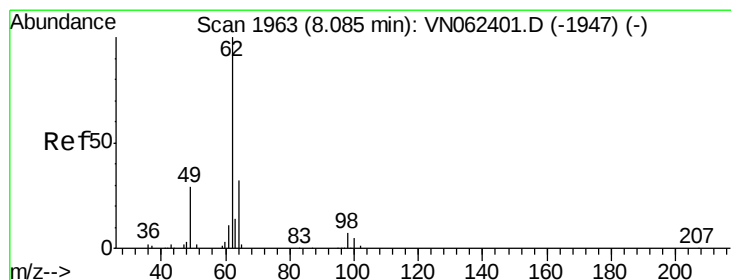
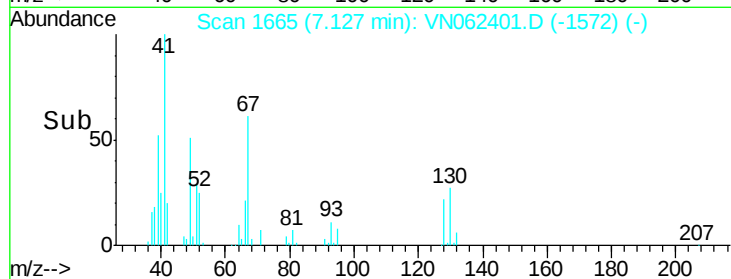
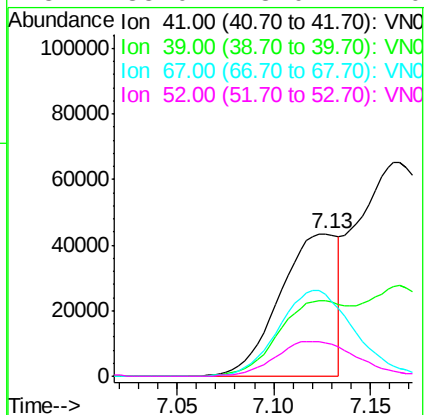
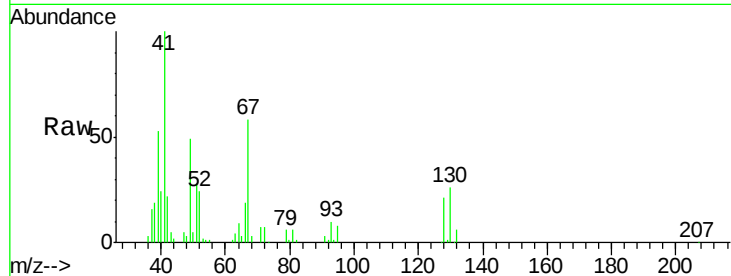
#41
Methacrylonitrile
Concen: 44.951 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	41	Resp	90469
Ion	Ratio	Lower	Upper
41	100		
39	62.7	50.2	75.2
67	80.2	64.2	96.2
52	35.0	28.0	42.0

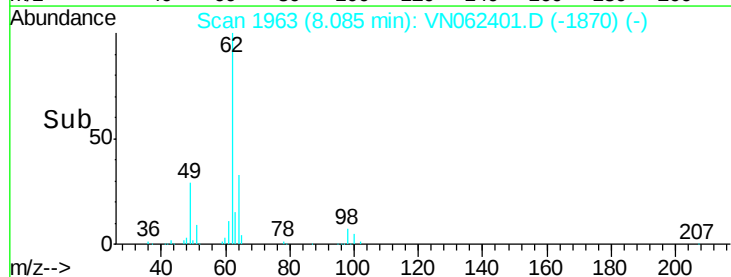
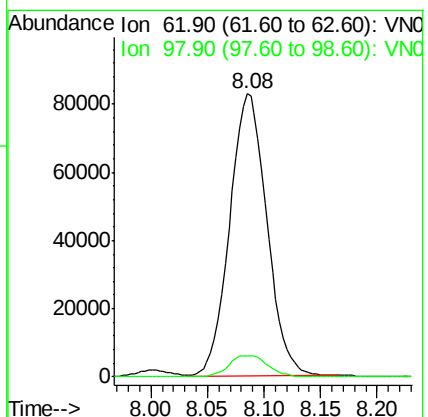
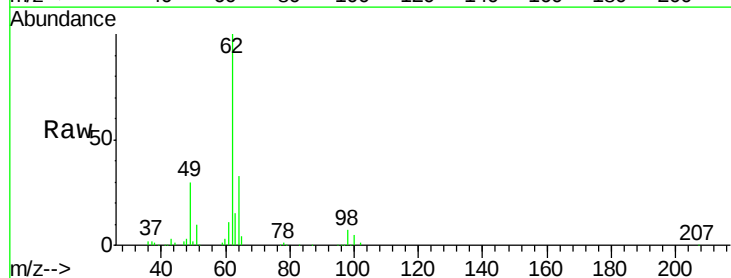
Manual Integrations
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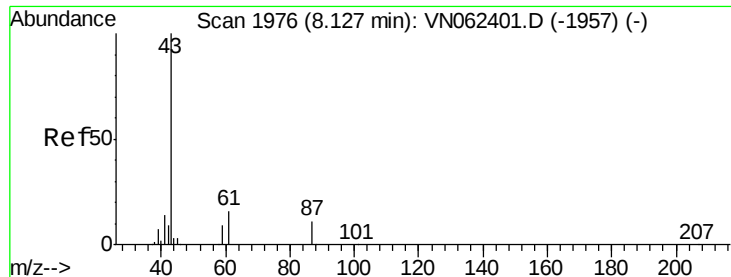
MMDadoda
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#42
1,2-Dichloroethane
Concen: 44.758 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	62	Resp	189858
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





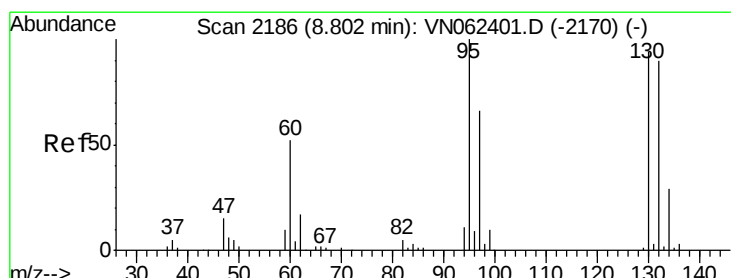
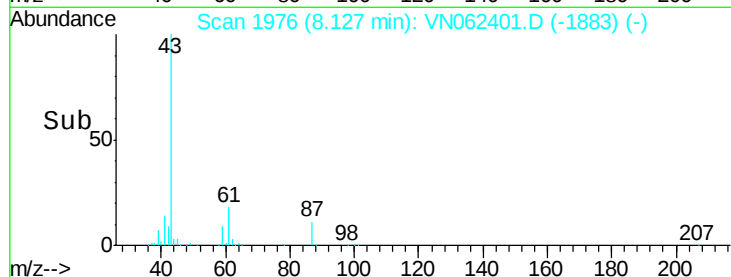
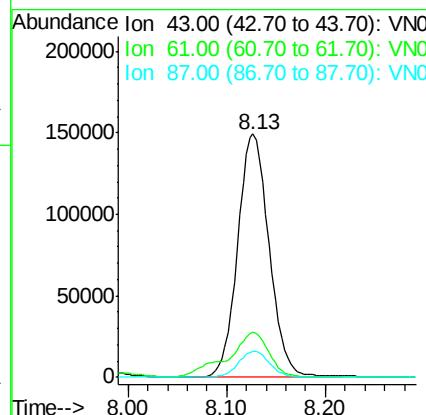
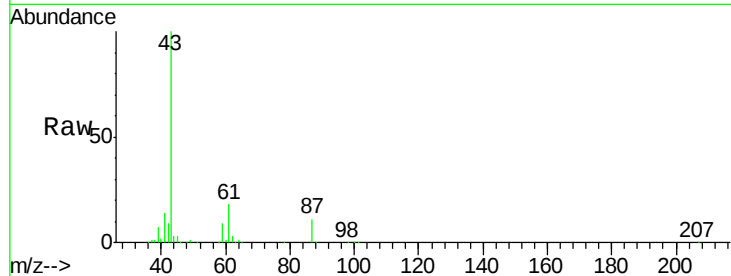
#43
Isopropyl Acetate
Concen: 48.827 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	329568
Ion Ratio	Lower	Upper	
43	100		
61	24.1	19.3	28.9
87	10.8	8.6	13.0

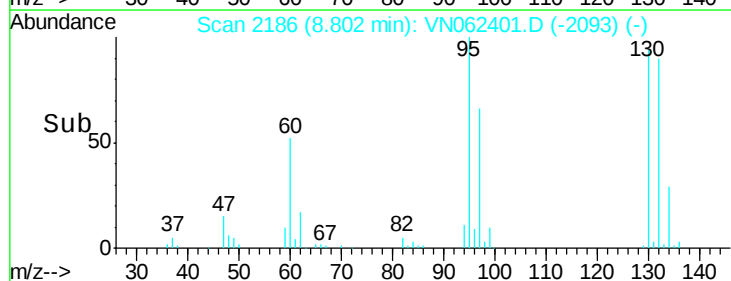
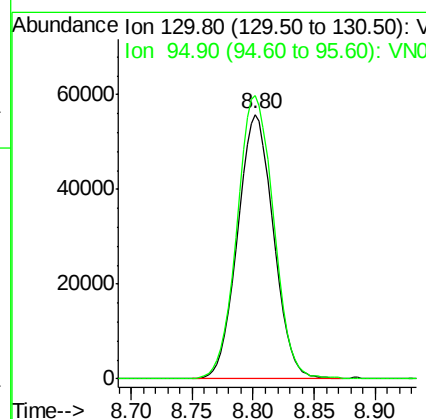
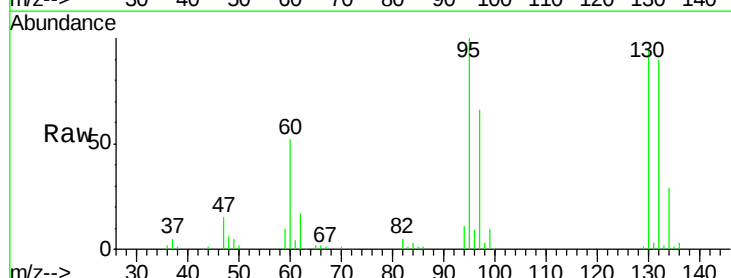
Manual Integrations
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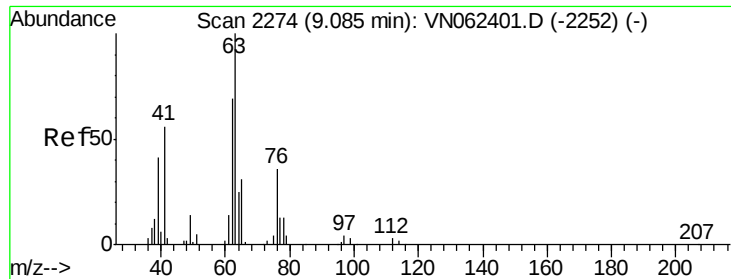
MMDadoda
7/9/2020 10:54:52 AM



#44
Trichloroethene
Concen: 48.559 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	130	Resp	113823
Ion Ratio	Lower	Upper	
130	100		
95	106.9	0.0	213.8





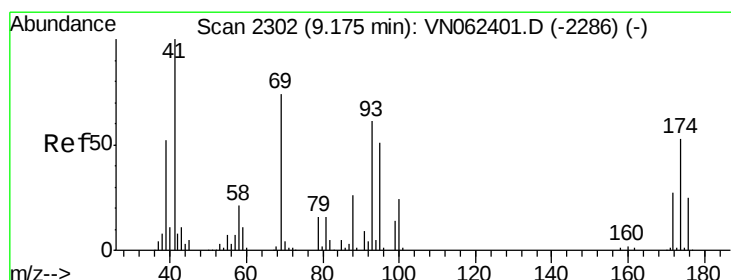
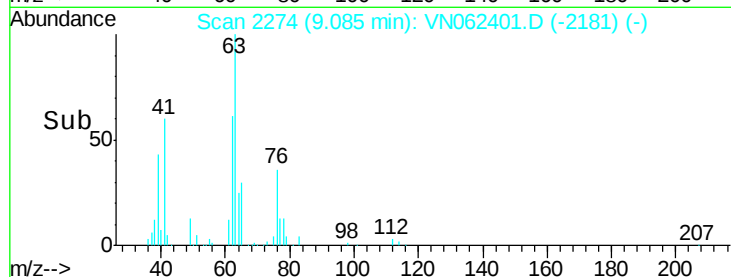
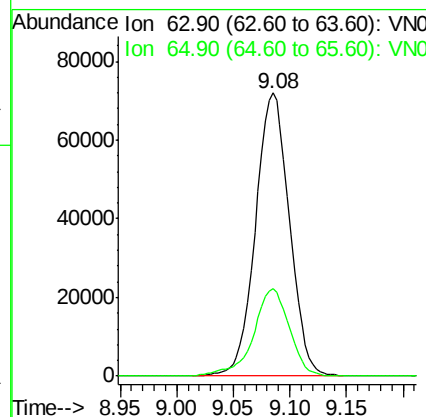
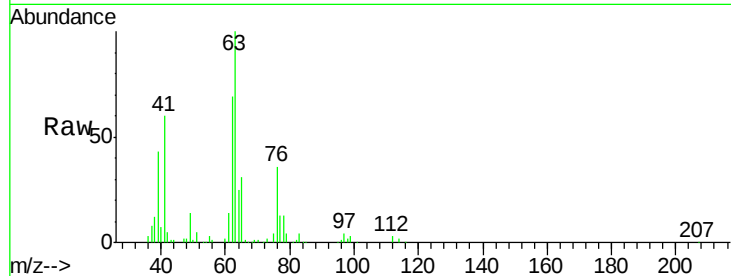
#45
 1,2-Dichloropropane
 Concen: 51.741 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 149862
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

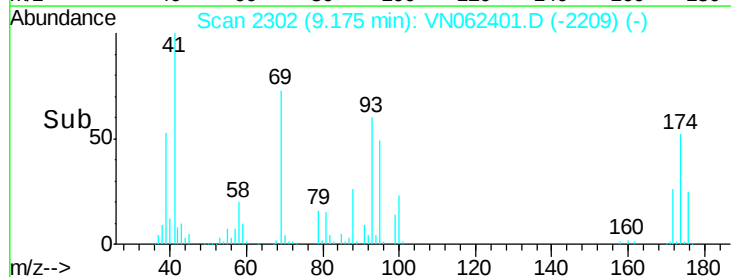
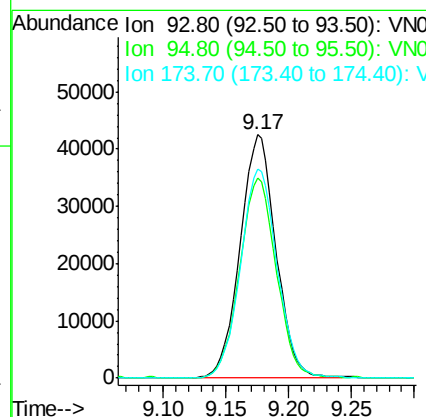
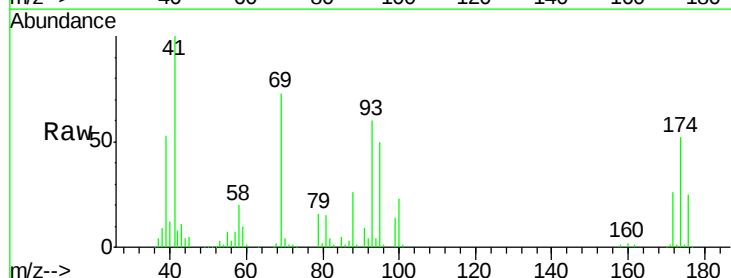
Manual Integrations
 APPROVED

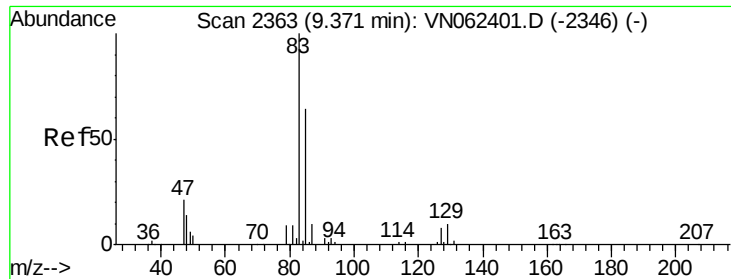
MMDadoda
 7/9/2020 10:54:52 AM



#46
 Dibromomethane
 Concen: 47.822 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 93 Resp: 84541
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 88.0 70.4 105.6





#47

Bromodichloromethane

Concen: 48.636 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

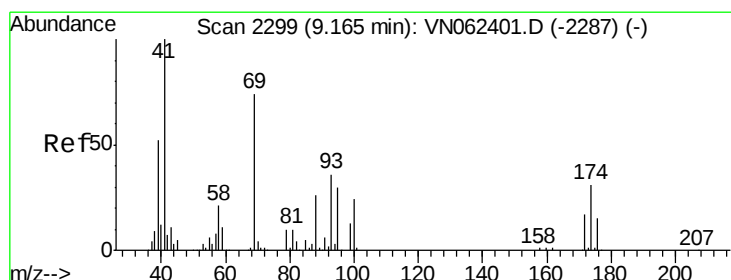
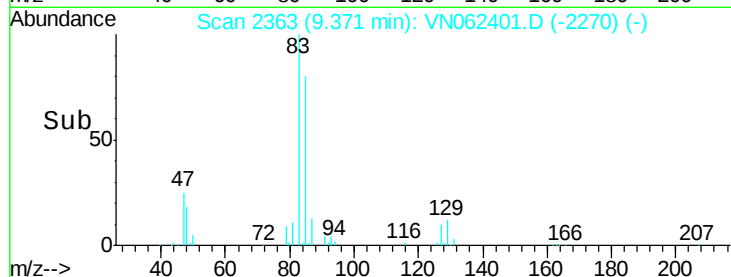
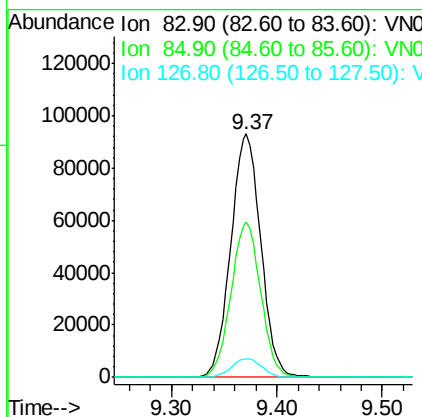
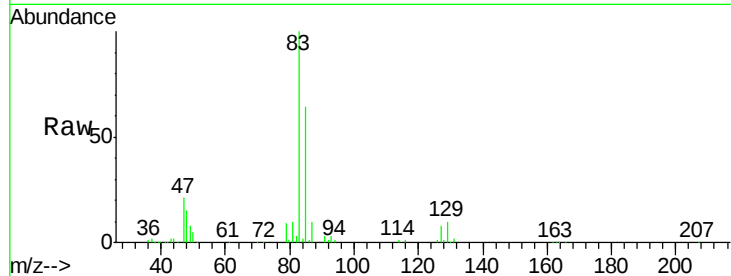
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	183414
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	7.7	6.2	9.2

Manual Integrations
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7/9/2020 10:54:52 AM



#48

Methyl methacrylate

Concen: 46.809 ug/l

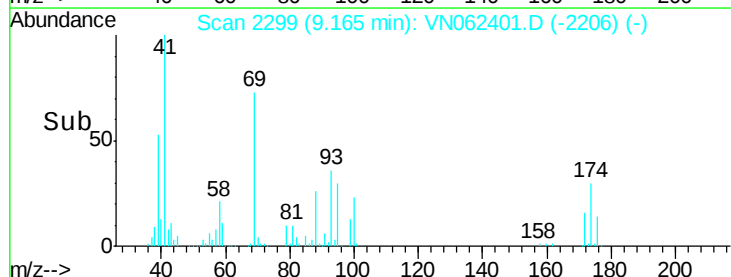
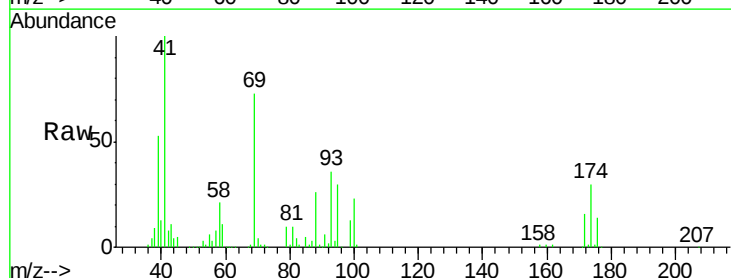
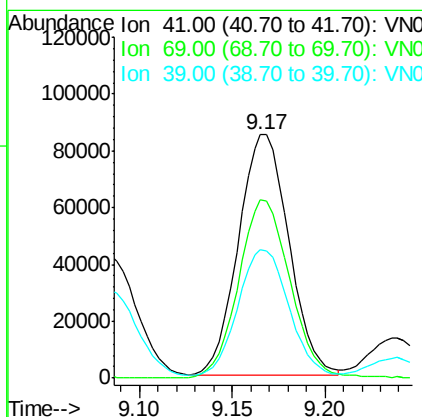
RT: 9.17 min Scan# 2299

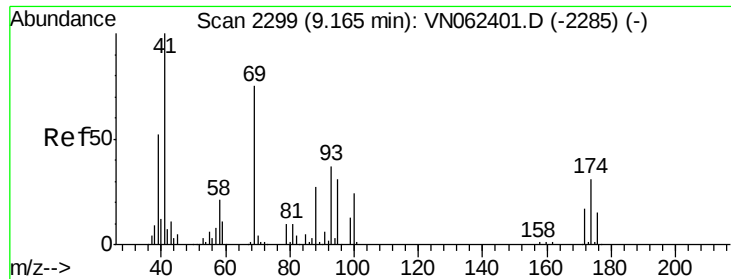
Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	41	Resp:	160582
Ion Ratio	Lower	Upper	
41	100		
69	76.0	60.8	91.2
39	54.4	43.5	65.3





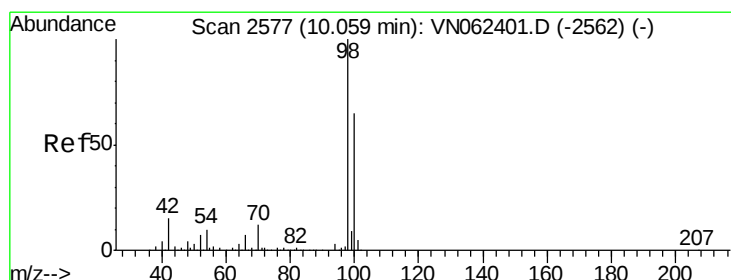
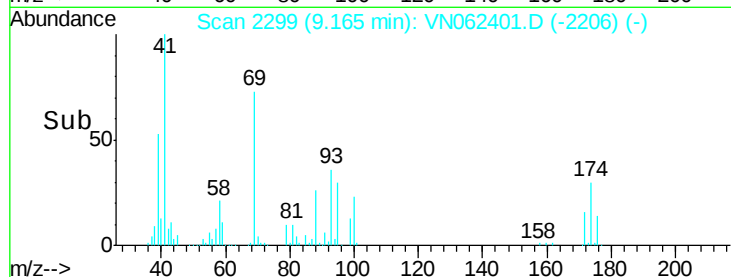
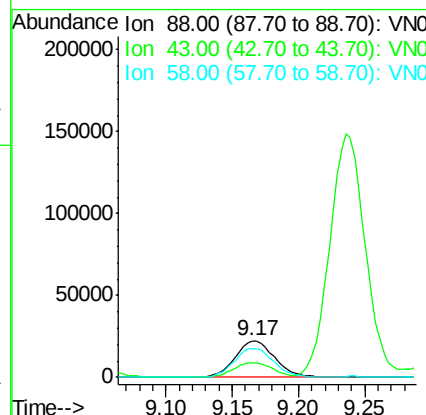
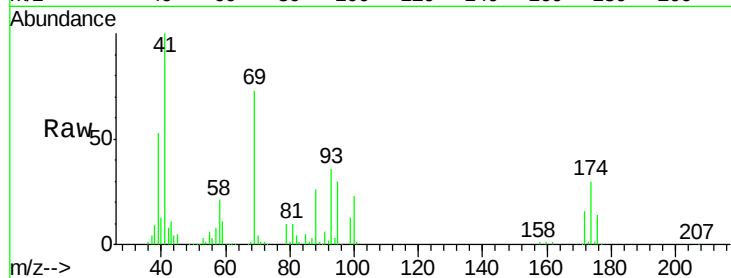
#49
1,4-Dioxane
Concen: 983.059 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	31.0	46.4
58	79.1	63.3	94.9

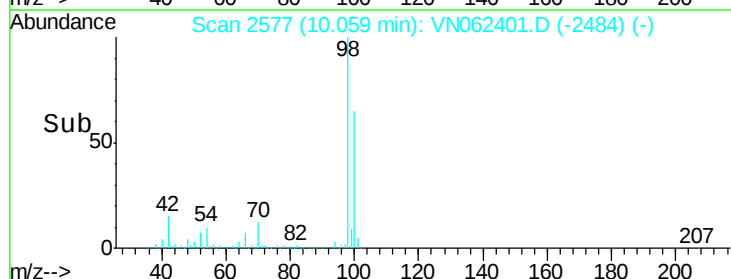
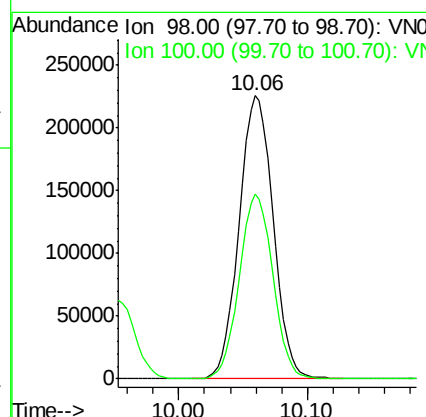
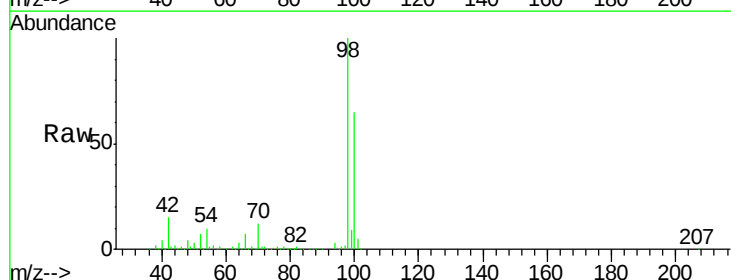
Manual Integrations
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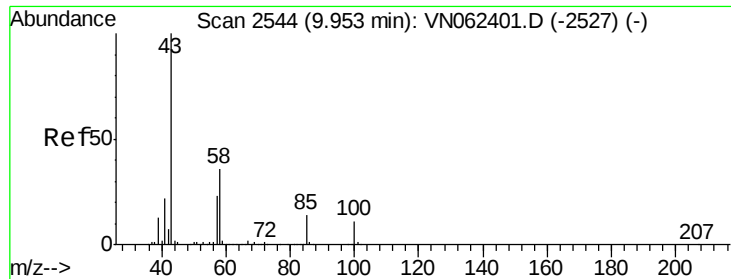
MMDadoda
7/9/2020 10:54:52 AM



#50
Toluene-d8
Concen: 50.423 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 276.688 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1007176

Ion Ratio Lower Upper

43 100

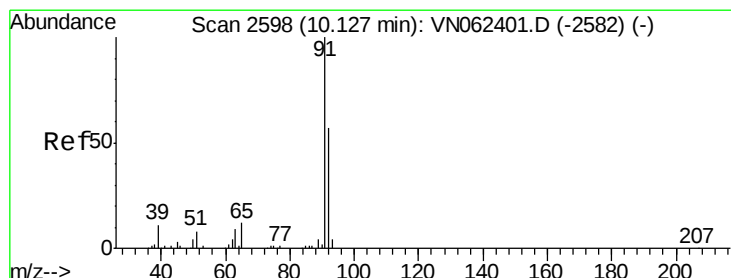
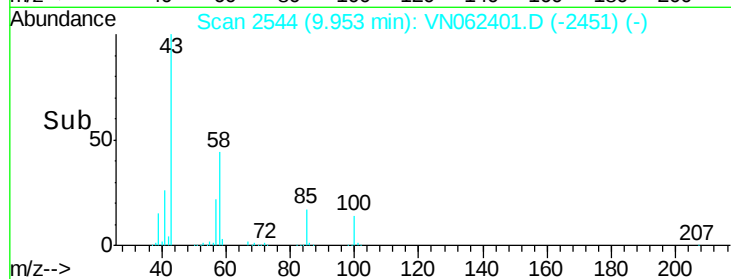
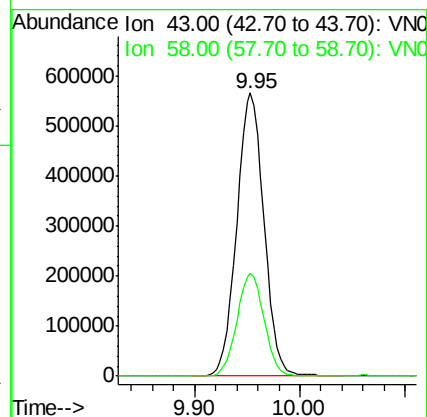
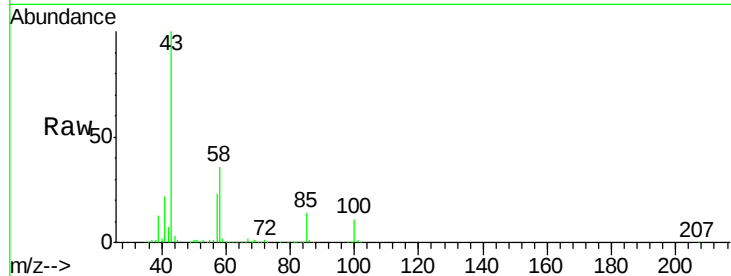
58 36.3 29.0 43.6

Manual Integrations

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MMDadoda

7/9/2020 10:54:52 AM



#52

Toluene

Concen: 51.185 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062401.D

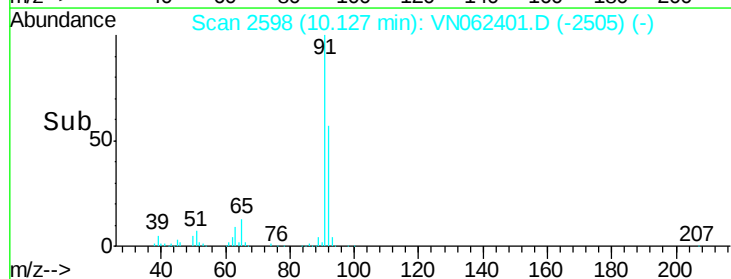
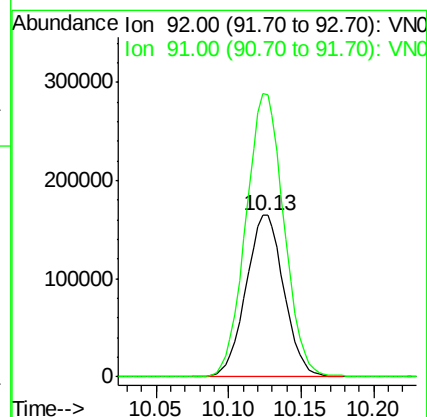
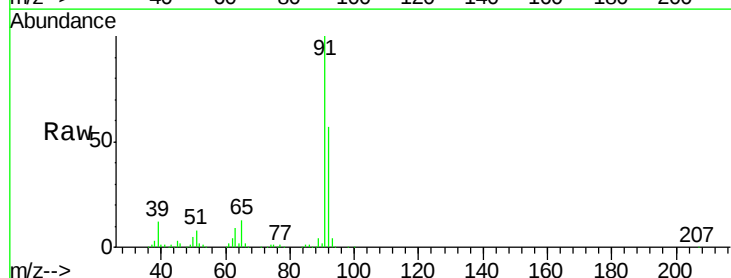
Acq: 8 Jul 2020 11:26

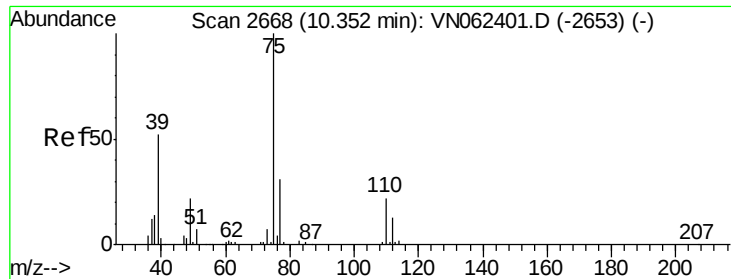
Tgt Ion: 92 Resp: 299615

Ion Ratio Lower Upper

92 100

91 176.3 141.0 211.6





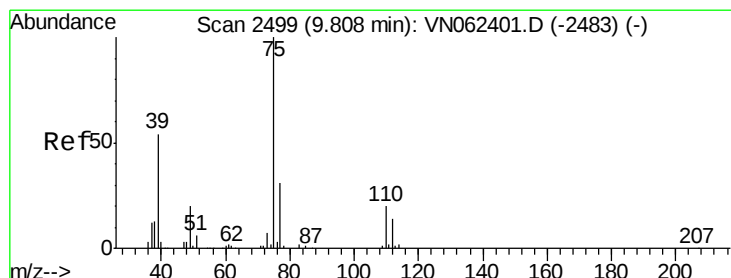
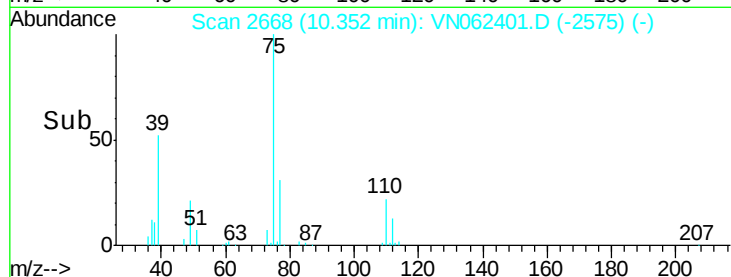
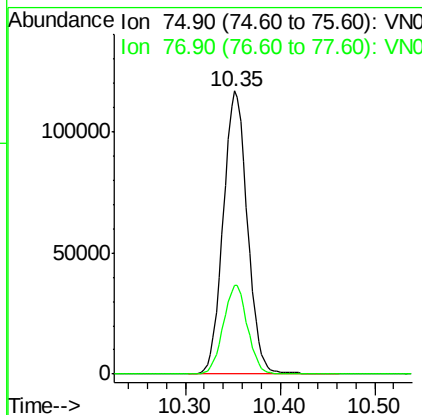
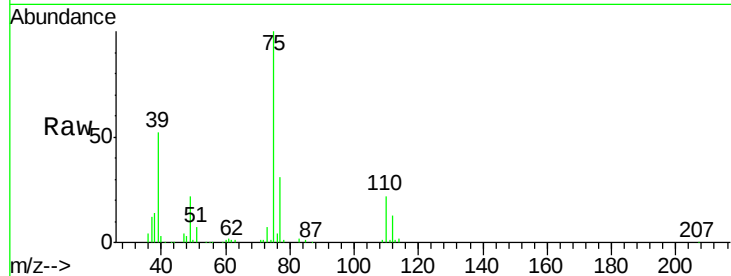
#53
t-1,3-Dichloropropene
Concen: 51.311 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 208339
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

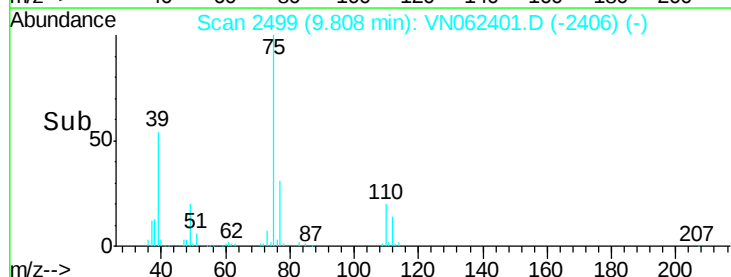
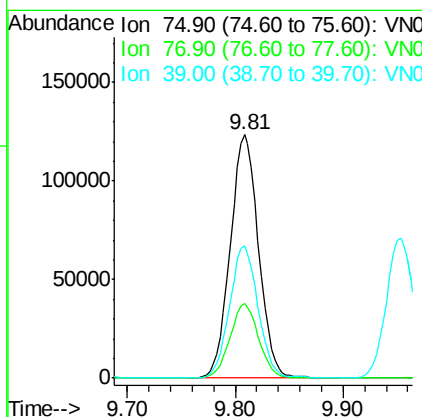
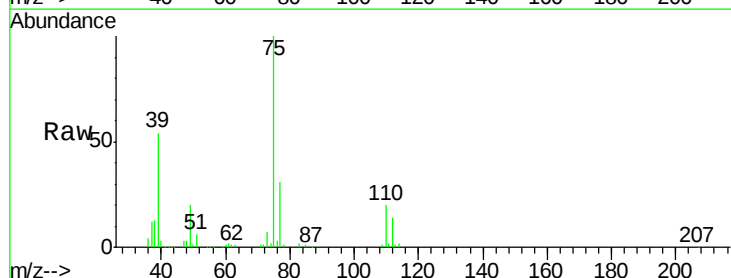
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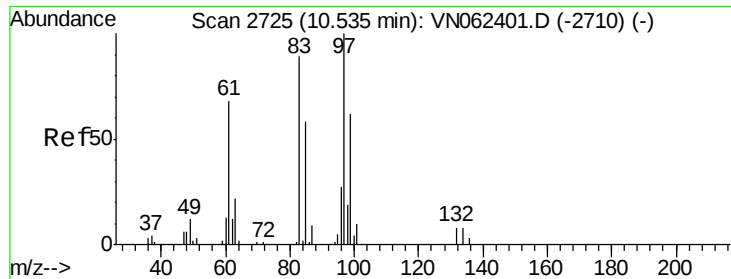
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7/9/2020 10:54:52 AM



#54
cis-1,3-Dichloropropene
Concen: 51.811 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 75 Resp: 226425
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7
39 54.2 43.4 65.0





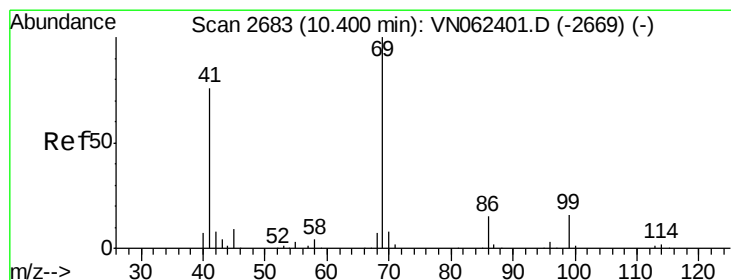
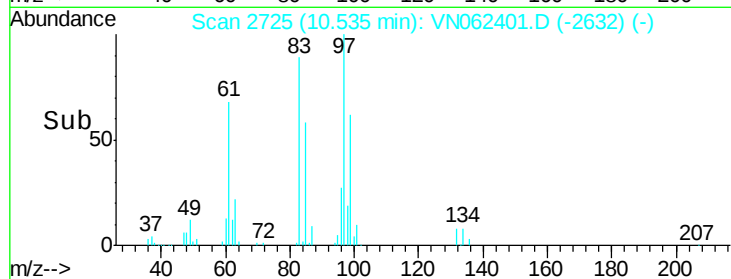
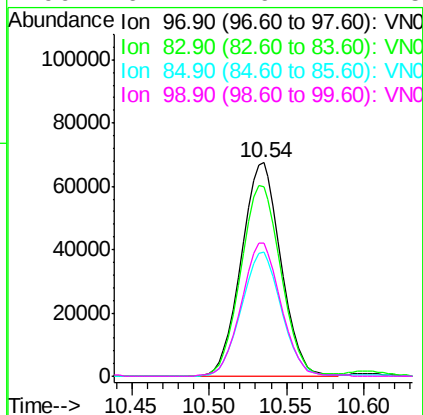
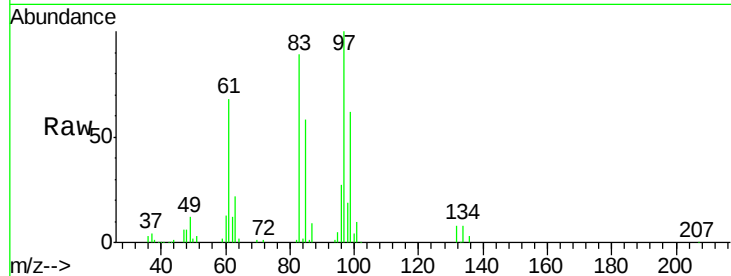
#55
 1,1,2-Trichloroethane
 Concen: 50.993 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	120318
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	57.8	46.2	69.4
99	62.1	49.7	74.5

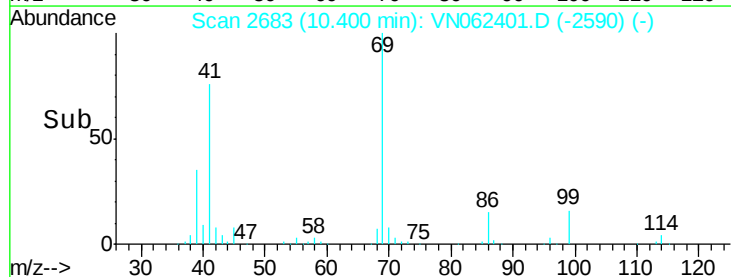
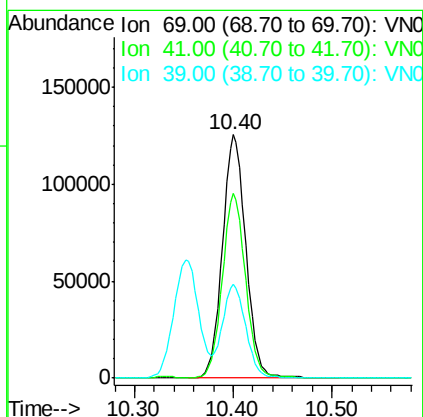
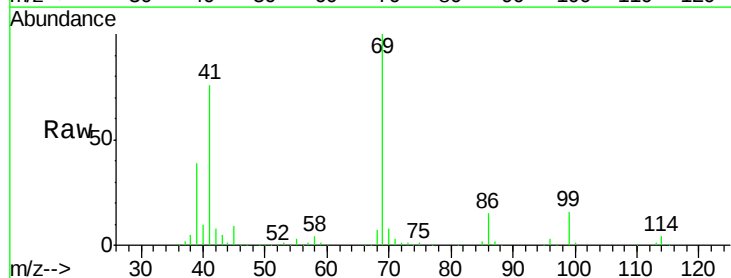
Manual Integrations
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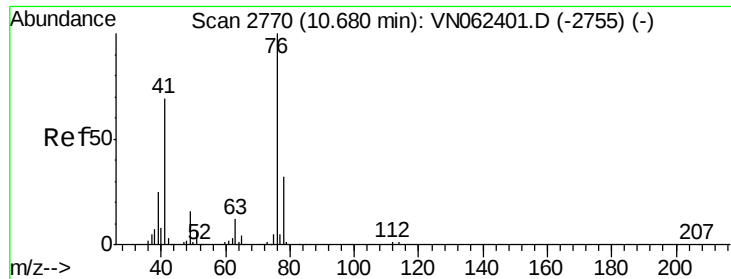
MMDadoda
 7/9/2020 10:54:52 AM



#56
 Ethyl methacrylate
 Concen: 54.963 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:	69	Resp:	209334
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.7	89.5
39	38.2	30.6	45.8





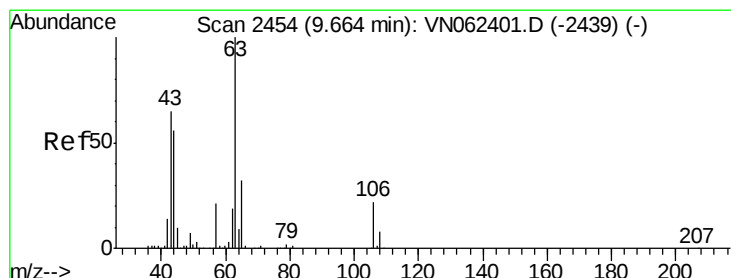
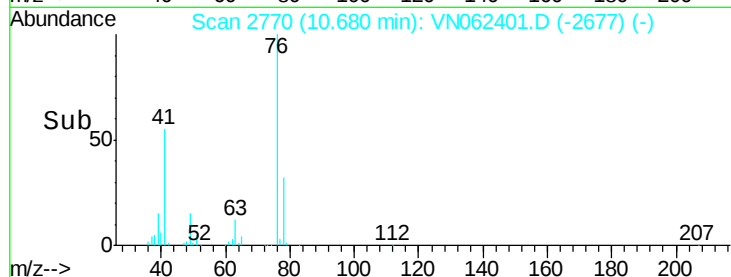
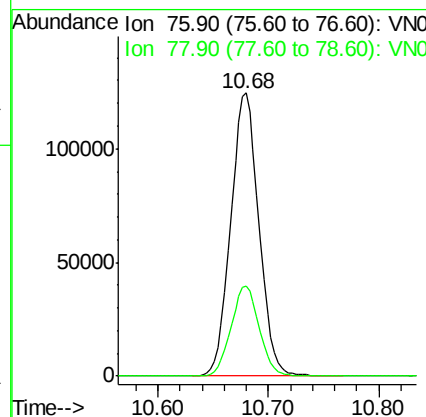
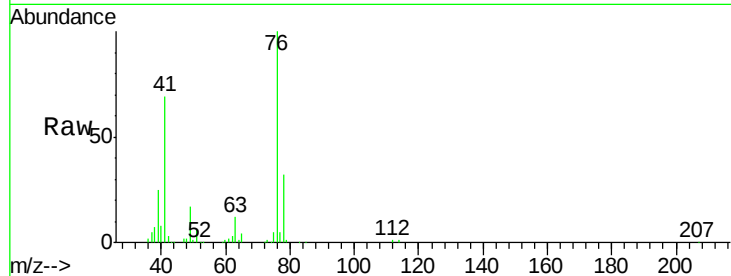
#57
 1,3-Dichloropropane
 Concen: 50.426 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

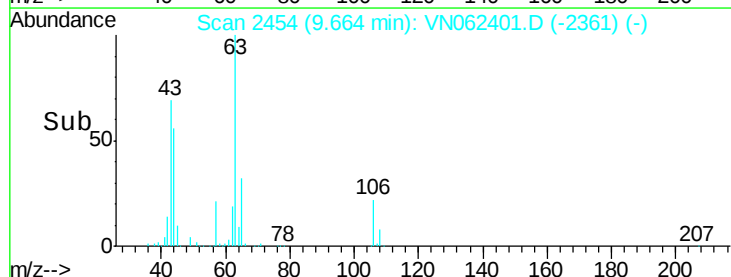
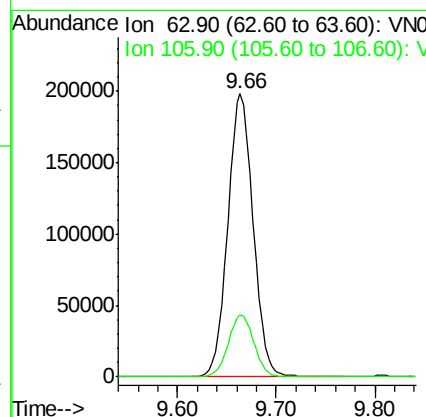
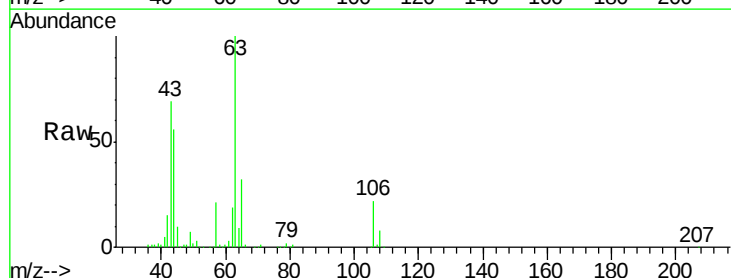
Manual Integrations
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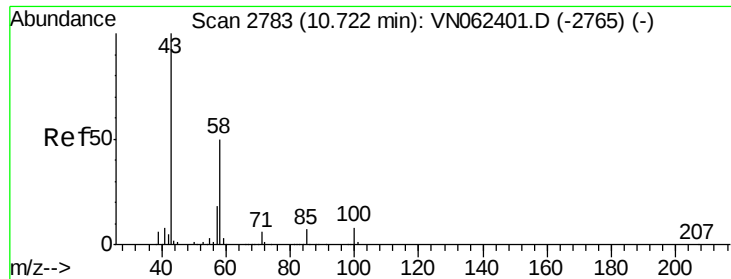
MMDadoda
 7/9/2020 10:54:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.002 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.0	17.6	26.4





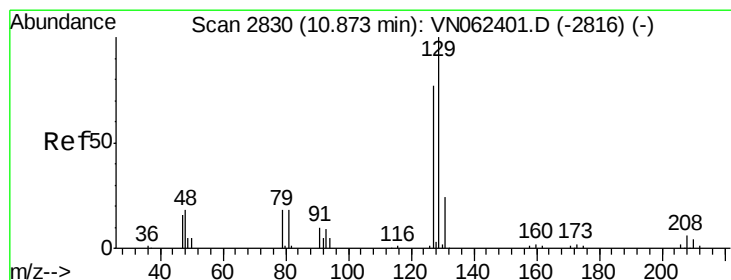
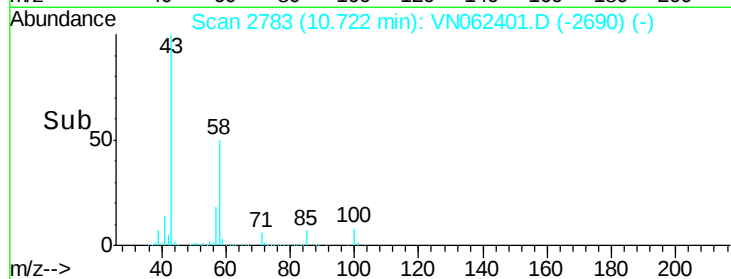
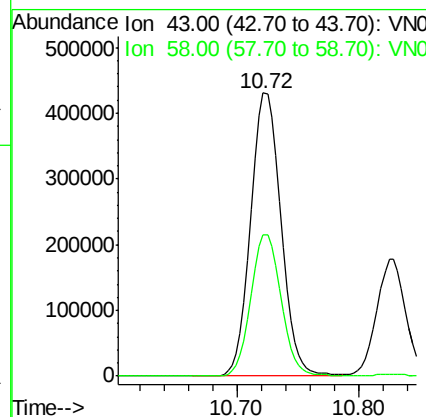
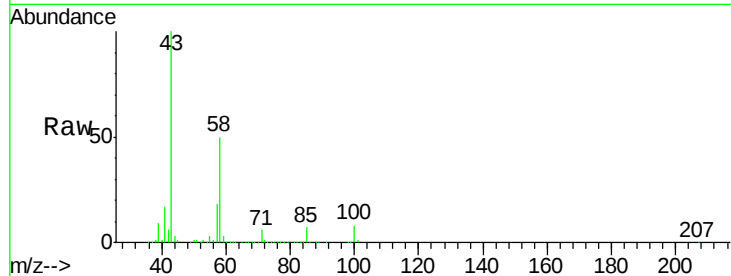
#59
2-Hexanone
Concen: 268.867 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	Resp	734887
Ion Ratio	100	Lower	Upper
43	100		
58	50.1	25.1	75.2

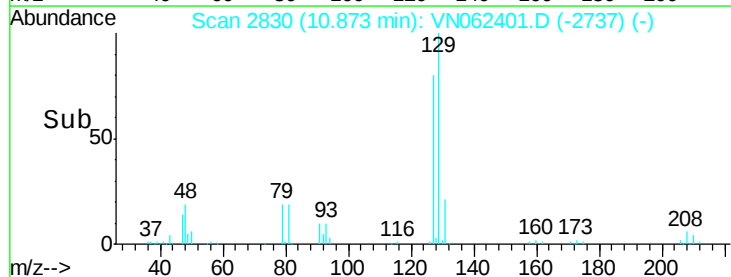
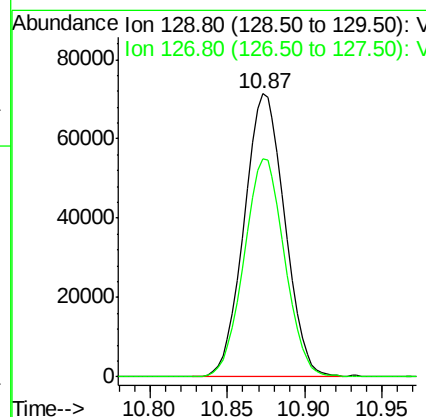
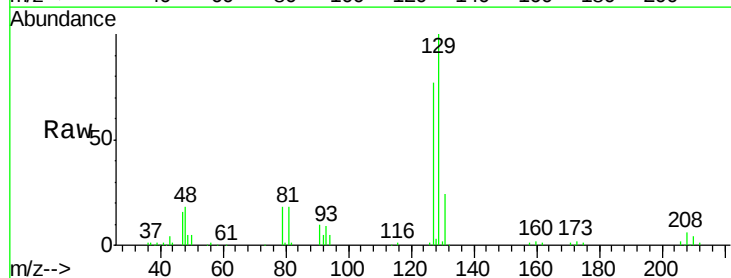
Manual Integrations
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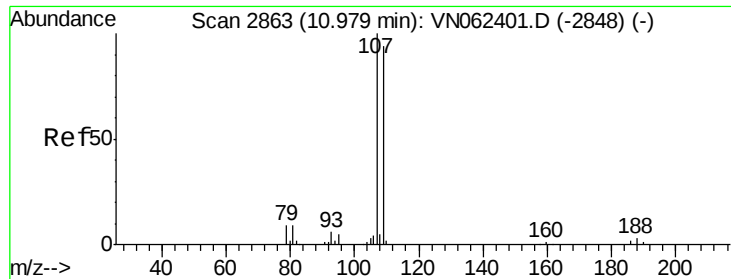
MMDadoda
7/9/2020 10:54:52 AM



#60
Dibromochloromethane
Concen: 49.075 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	129	Resp	130450
Ion Ratio	100	Lower	Upper
129	100		
127	77.2	38.6	115.8





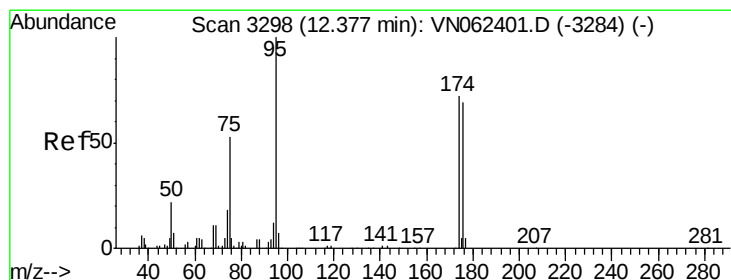
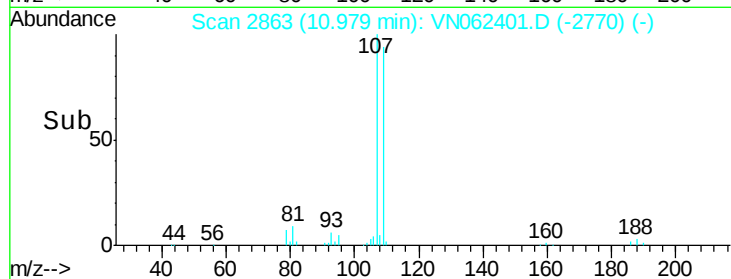
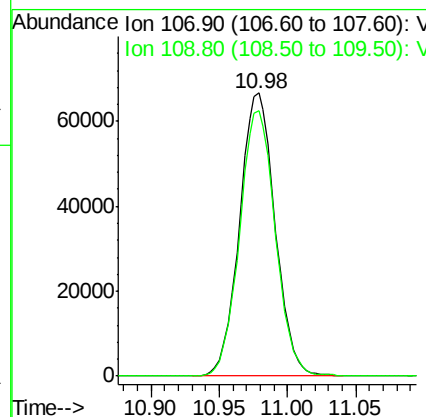
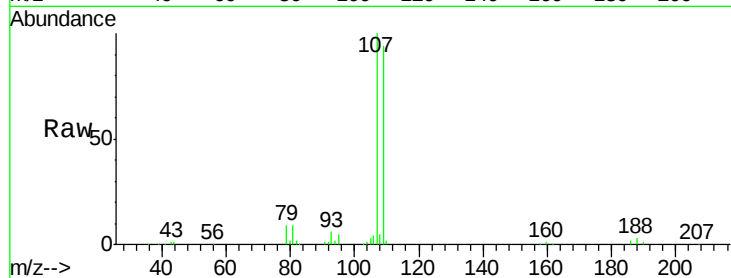
#61
 1,2-Dibromoethane
 Concen: 49.929 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

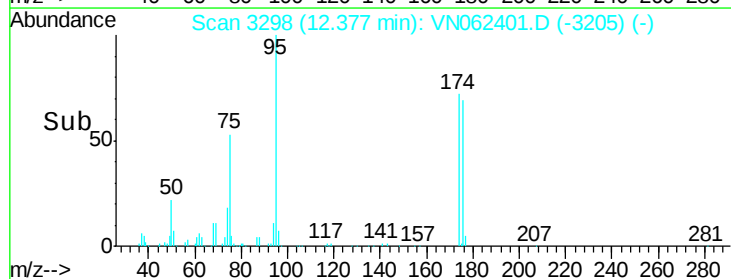
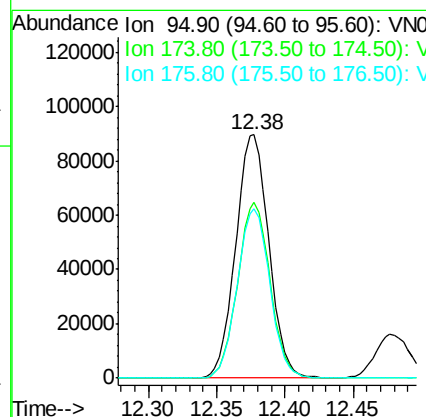
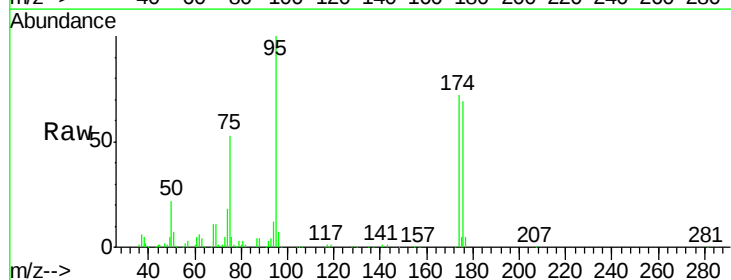
Manual Integrations
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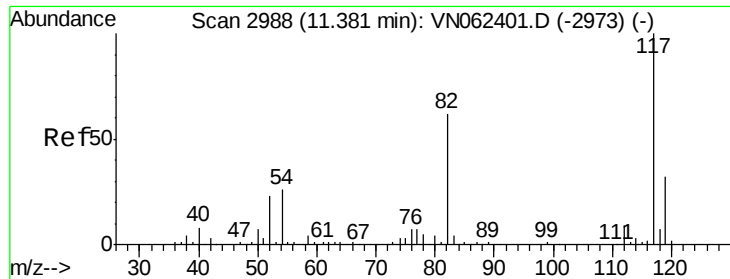
MMDadoda
 7/9/2020 10:54:52 AM



#62
 4-Bromofluorobenzene
 Concen: 48.166 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	68.6	0.0	137.2





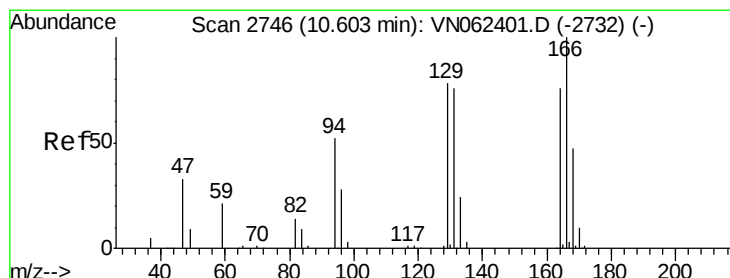
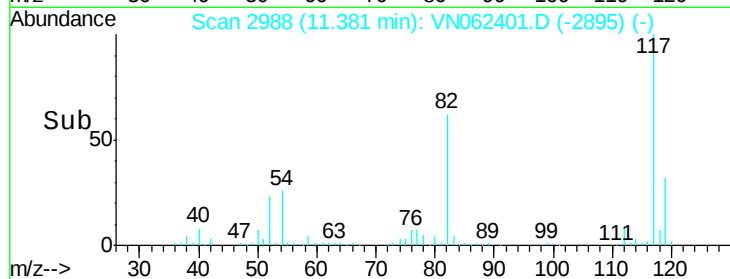
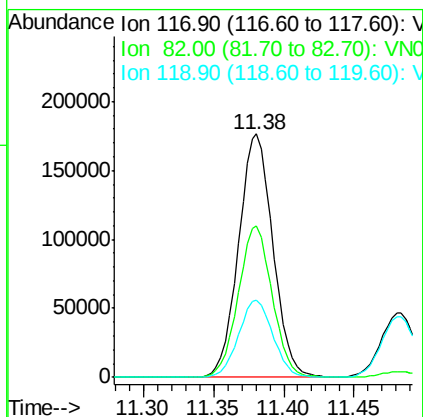
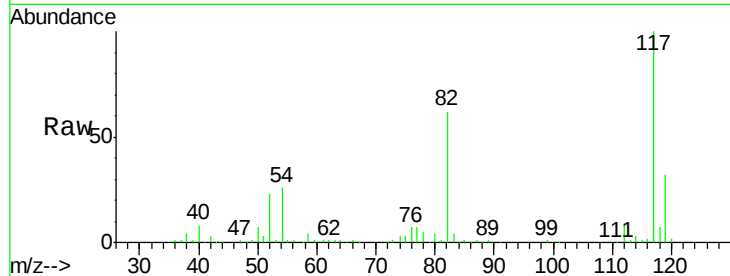
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.6	74.4
119	31.7	25.4	38.0

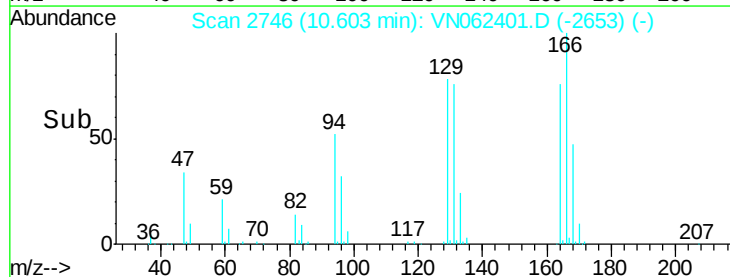
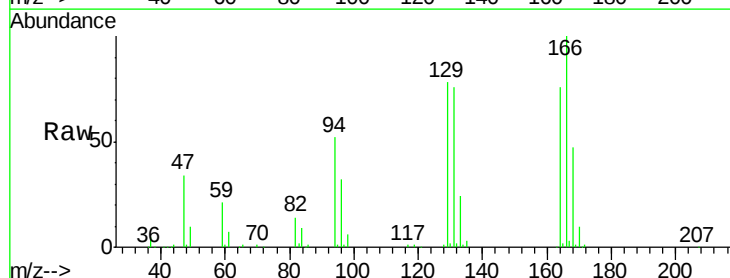
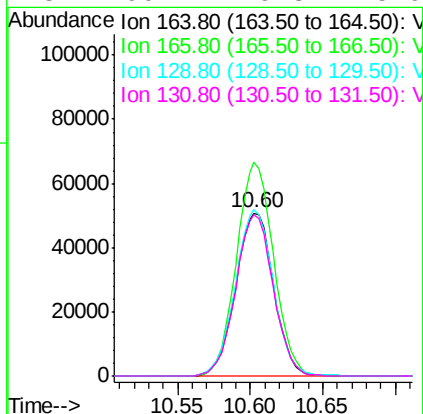
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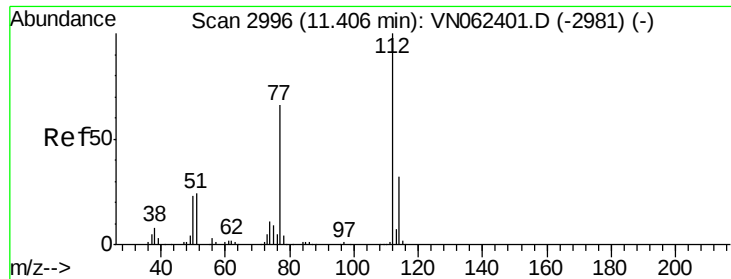
MMDadoda
7/9/2020 10:54:52 AM



#64
Tetrachloroethene
Concen: 47.335 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.9	157.3
129	102.2	81.8	122.6
131	99.1	79.3	118.9





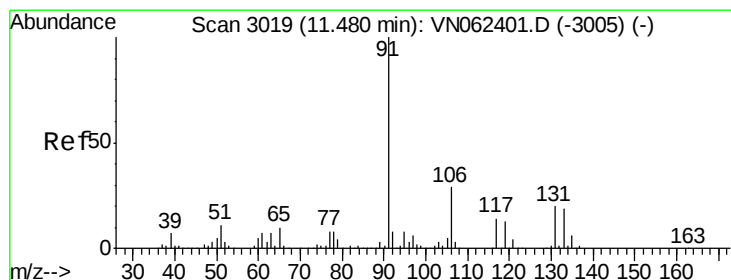
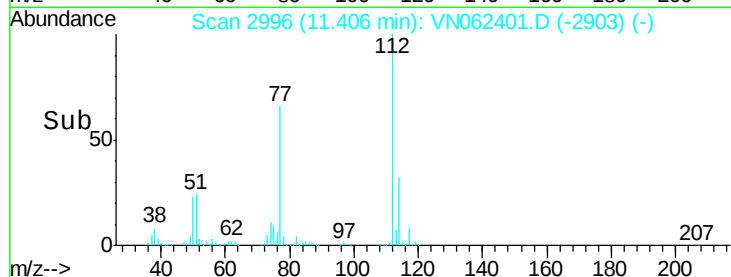
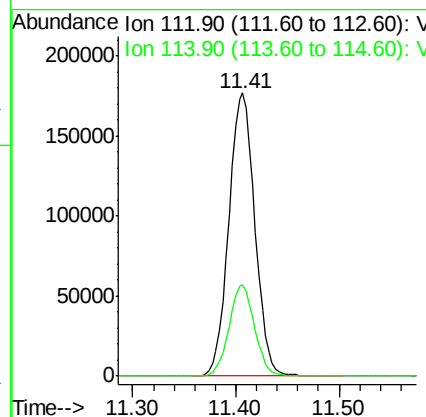
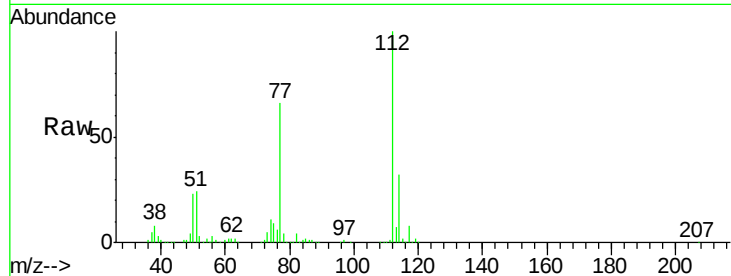
#65
Chlorobenzene
Concen: 50.080 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

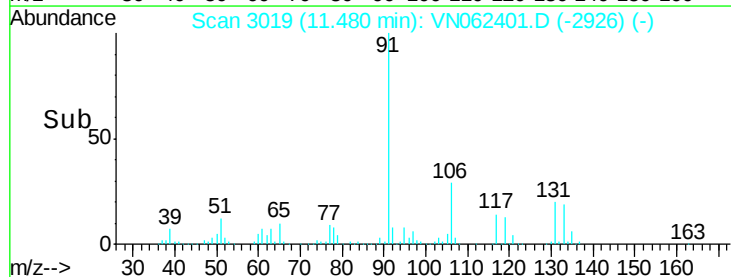
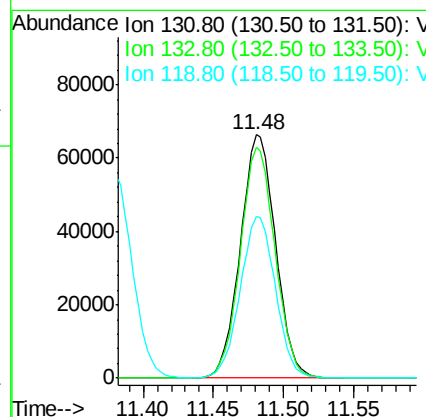
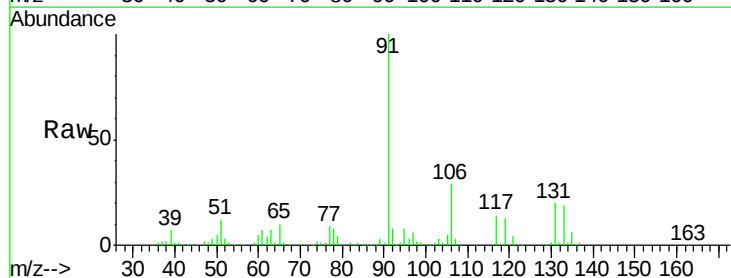
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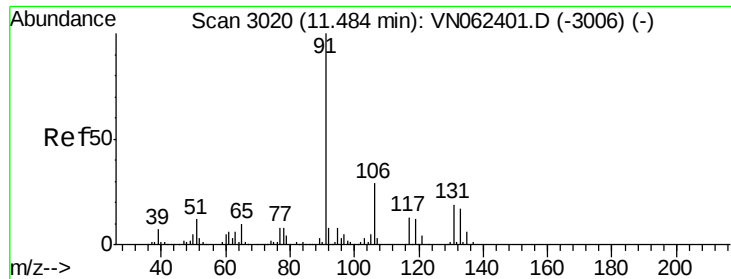
MMDadoda
7/9/2020 10:54:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.904 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	46.9	140.8
119	66.4	33.2	99.6





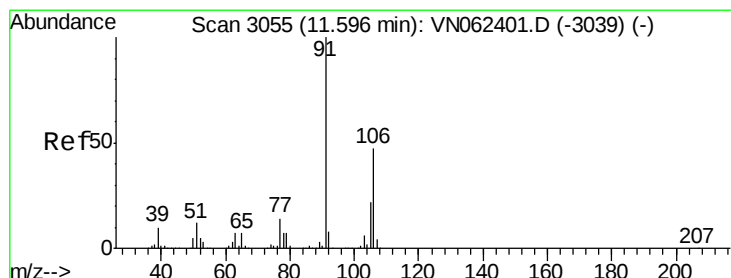
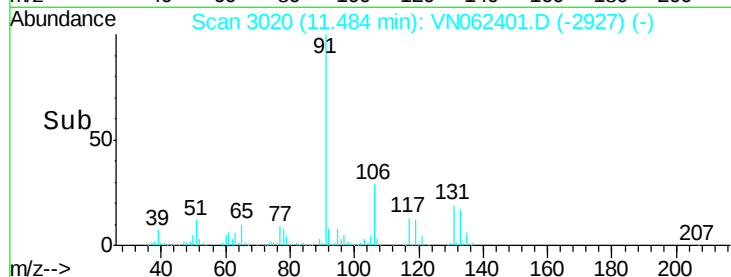
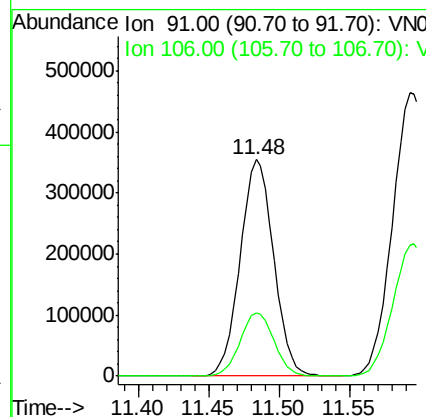
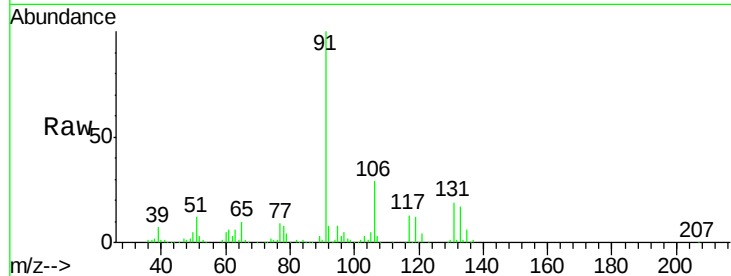
#67
Ethyl Benzene
Concen: 53.907 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 591996
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2

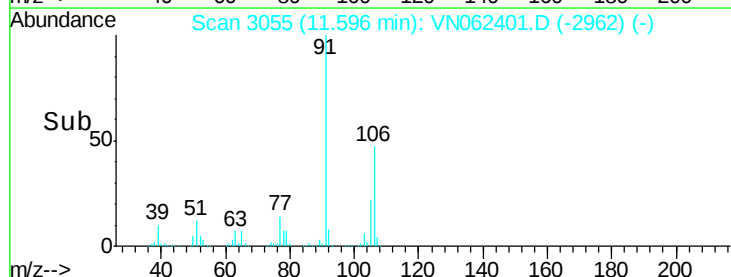
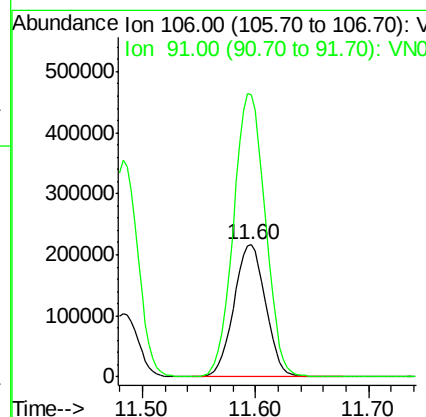
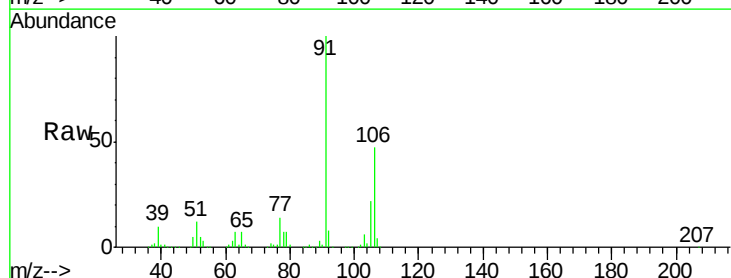
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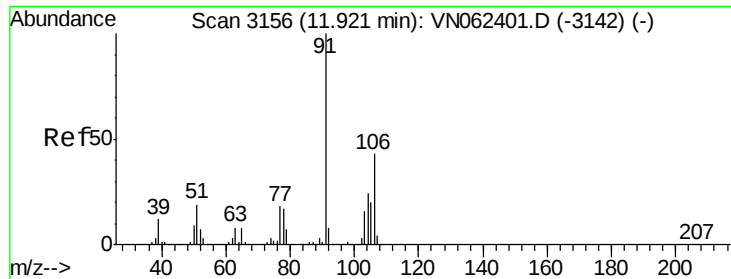
MMDadoda
7/9/2020 10:54:52 AM



#68
m/p-Xylenes
Concen: 104.864 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 106 Resp: 421028
Ion Ratio Lower Upper
106 100
91 215.5 172.4 258.6





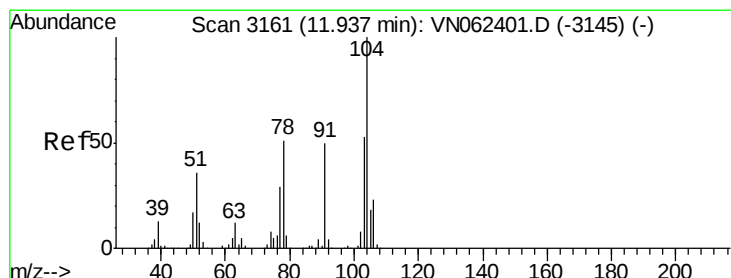
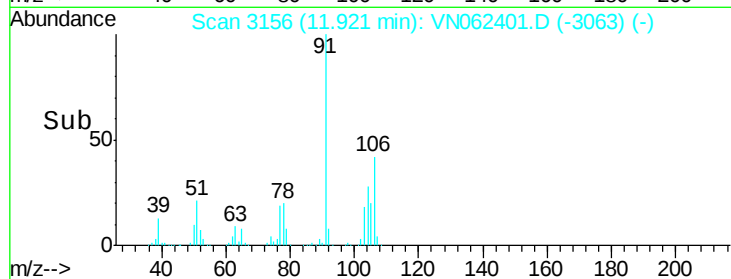
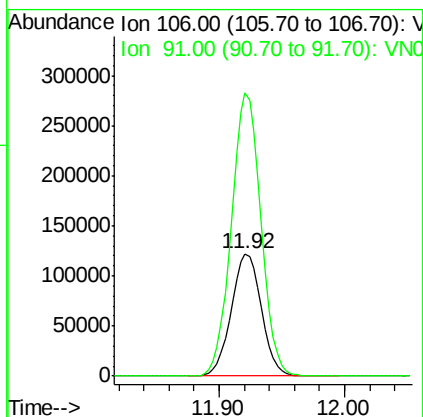
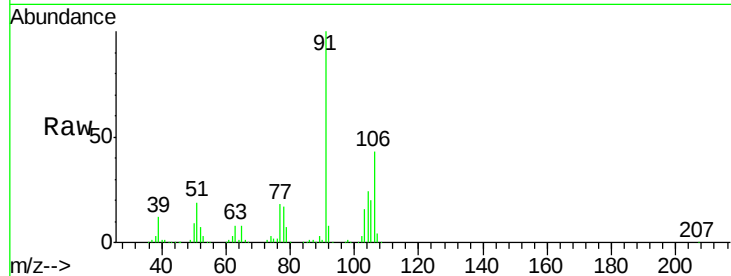
#69
o-Xylene
Concen: 51.230 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	202892		
91	227.6	113.8	341.4	

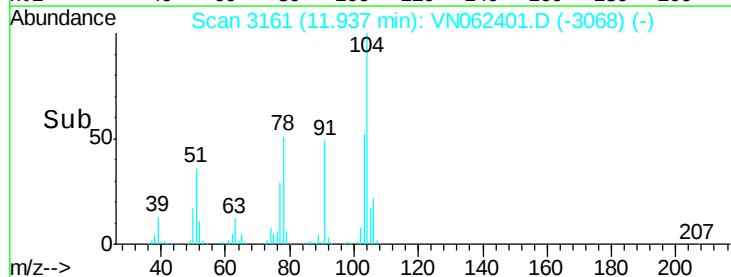
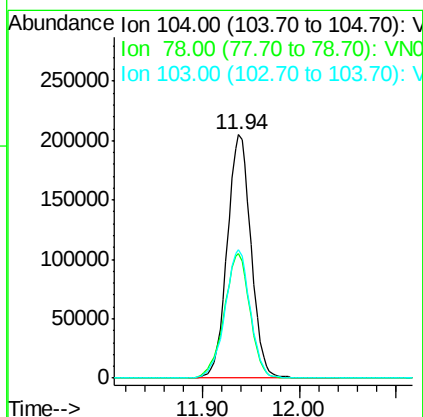
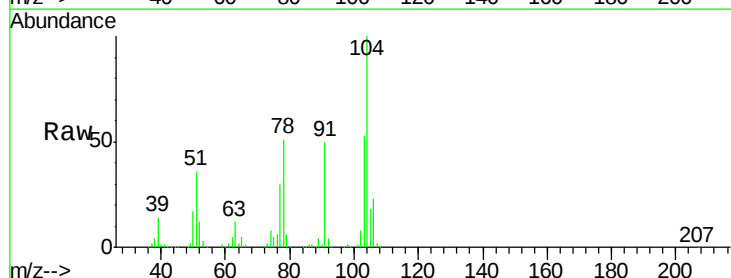
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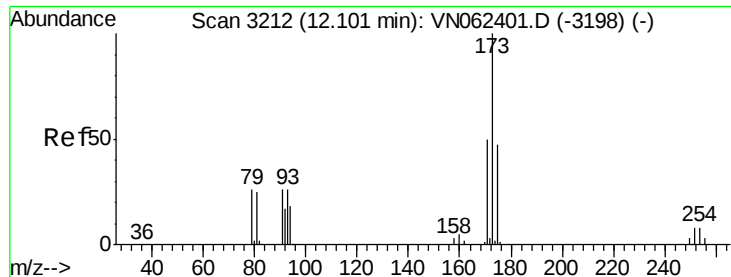
MMDadoda
7/9/2020 10:54:52 AM



#70
Styrene
Concen: 53.538 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	350422		
78	55.3	44.2	66.4	
103	55.5	44.4	66.6	





#71

Bromoform

Concen: 49.001 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 89017

Ion Ratio Lower Upper

173 100

175 47.4 23.7 71.1

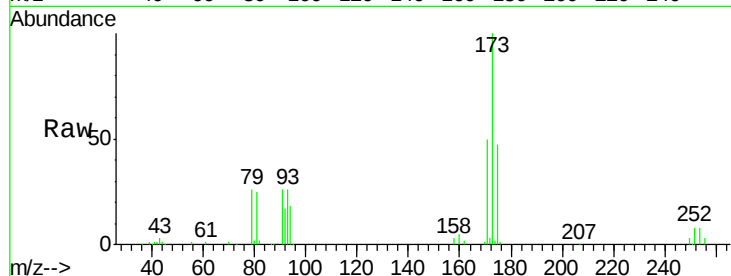
254 0.0 0.0 0.0

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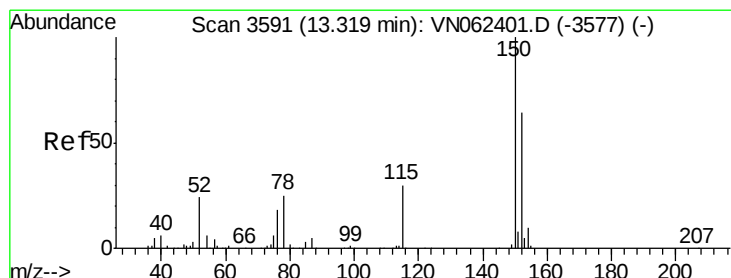
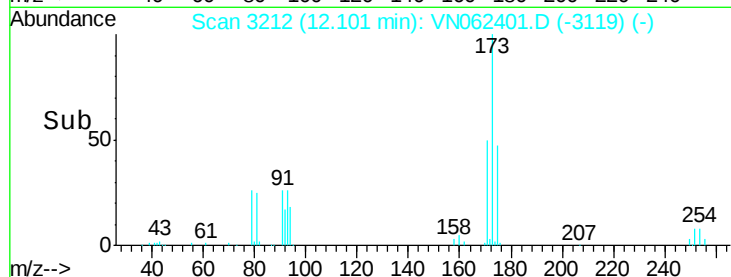
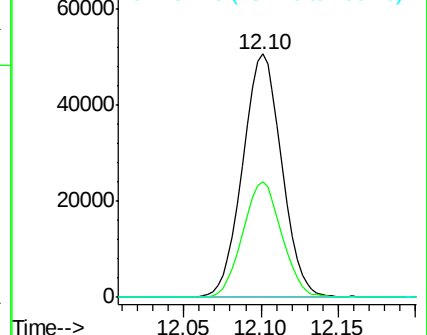
7/9/2020 10:54:52 AM



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: VN062401.D

Acq: 8 Jul 2020 11:26

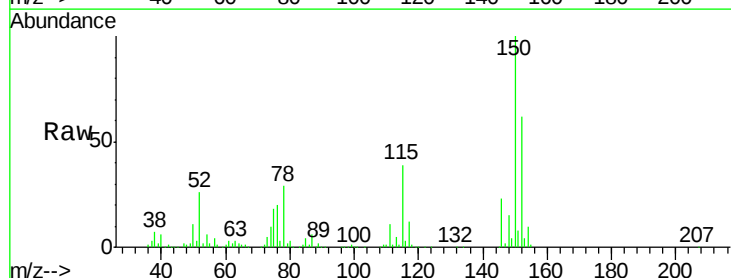
Tgt Ion:152 Resp: 137504

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.2

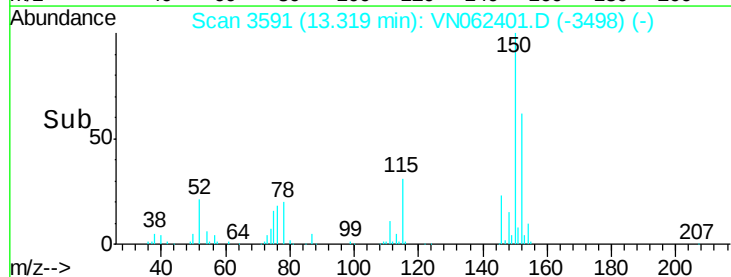
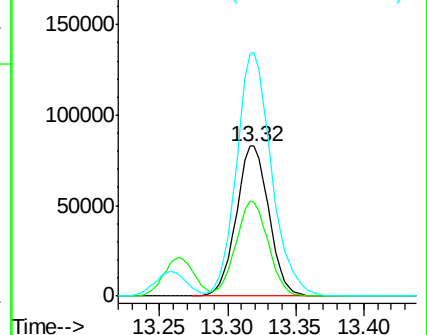
150 173.7 0.0 347.4

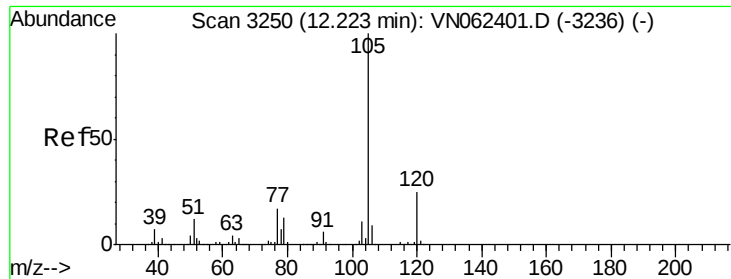


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.011 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 546877

Ion Ratio Lower Upper

105 100

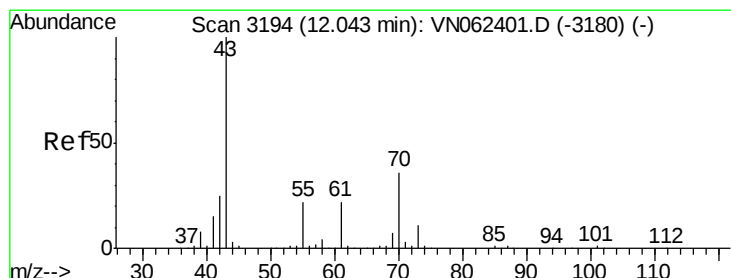
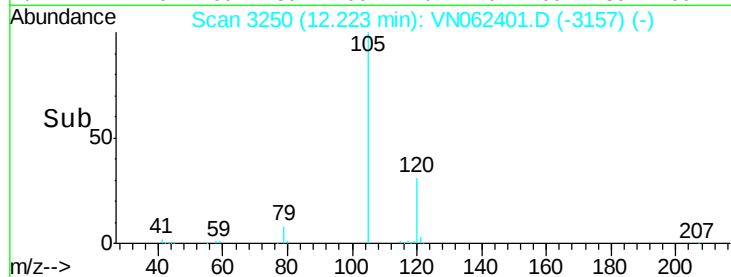
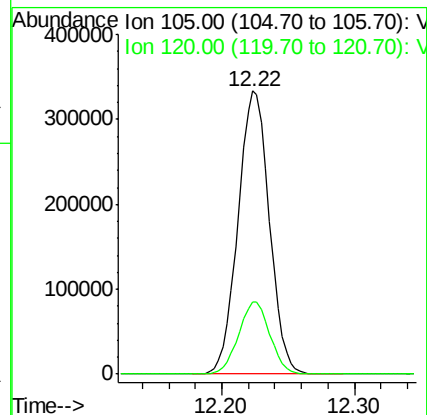
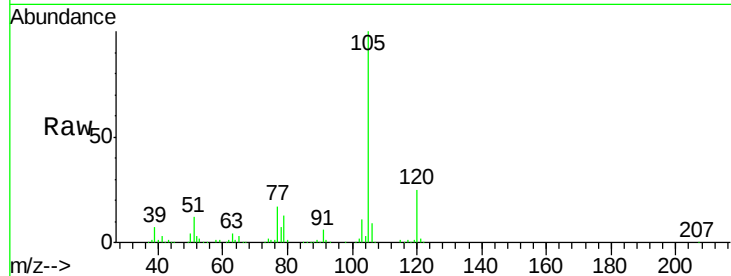
120 25.4 12.7 38.1

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#74

N-ethyl acetate

Concen: 52.766 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion: 43 Resp: 288368

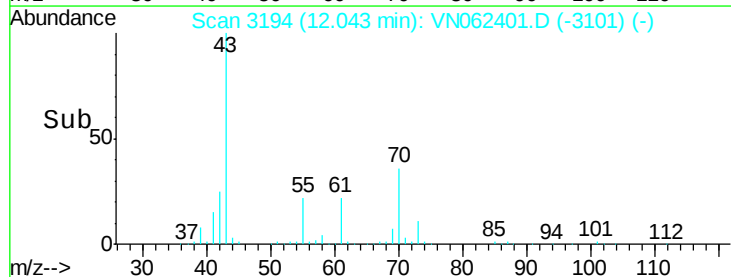
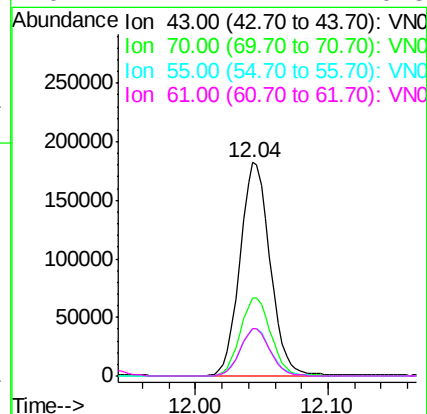
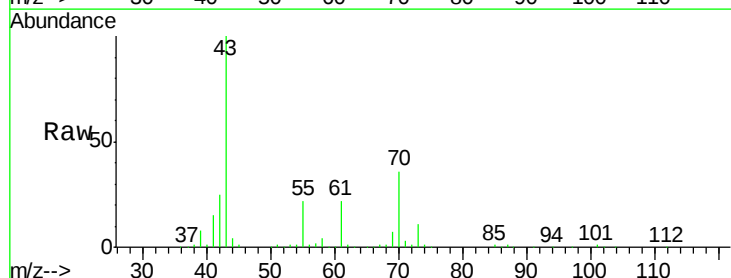
Ion Ratio Lower Upper

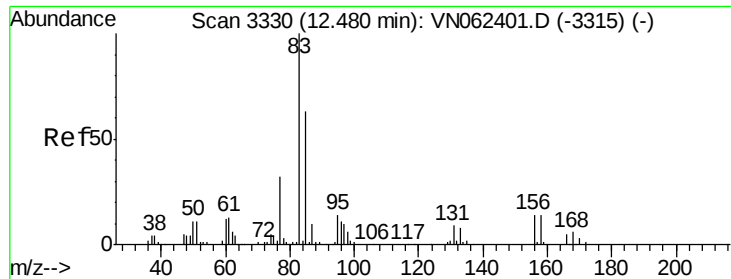
43 100

70 37.5 30.0 45.0

55 22.8 18.2 27.4

61 22.1 17.7 26.5





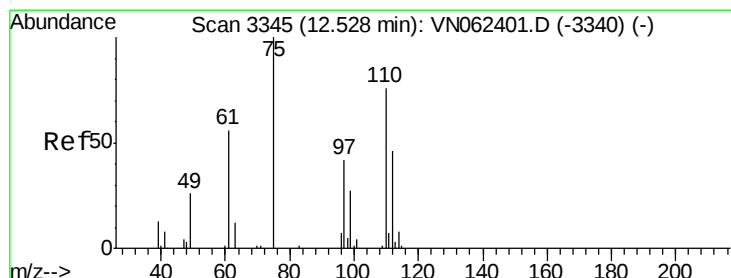
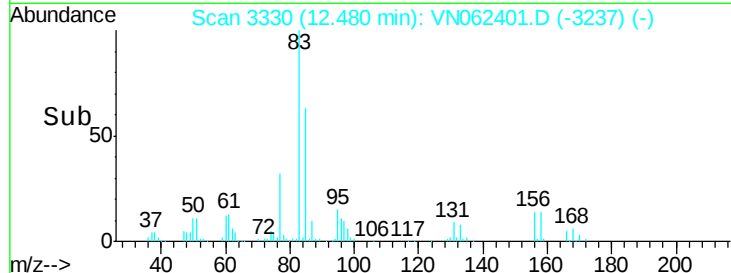
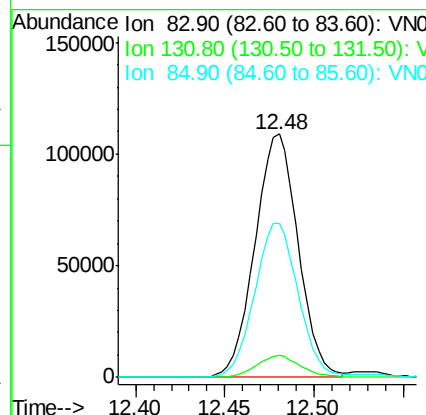
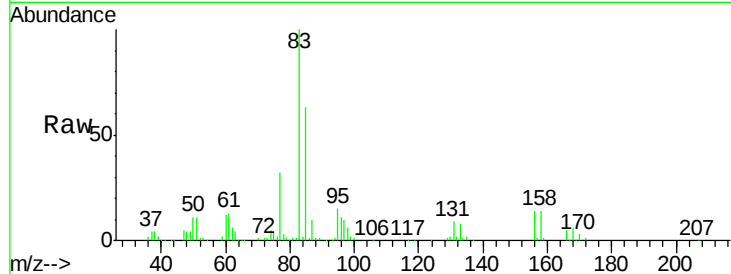
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.053 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	184500		
131	9.0	4.5	13.5	
85	63.9	31.9	95.9	

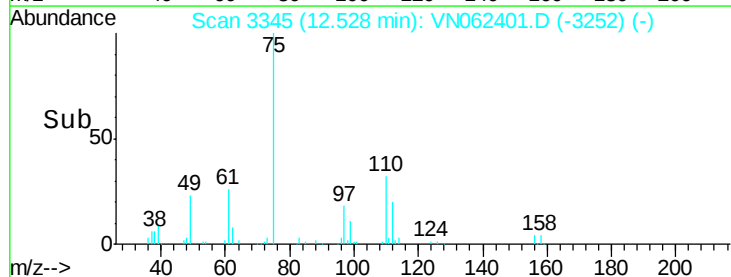
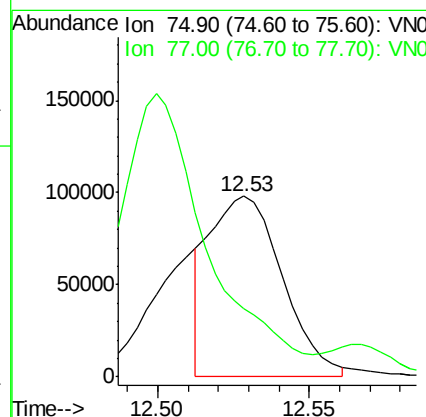
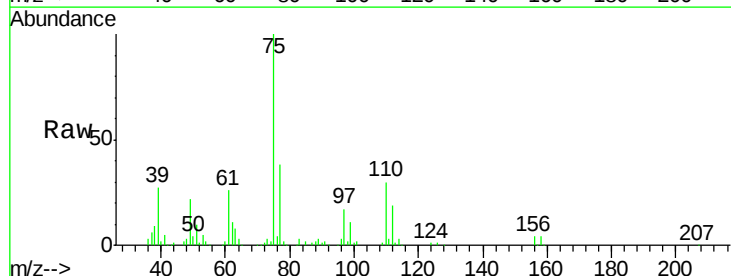
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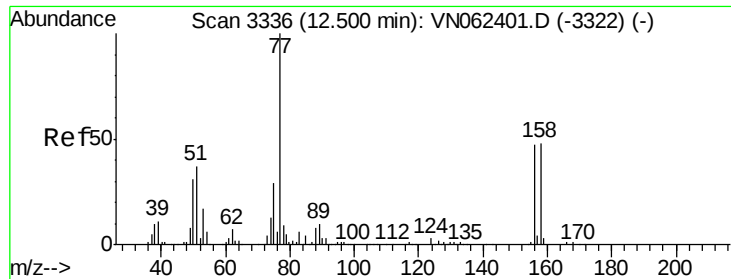
MMDadoda
 7/9/2020 10:54:52 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.098 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163175		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 50.977 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

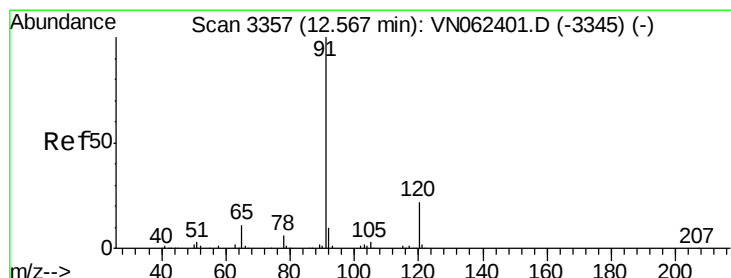
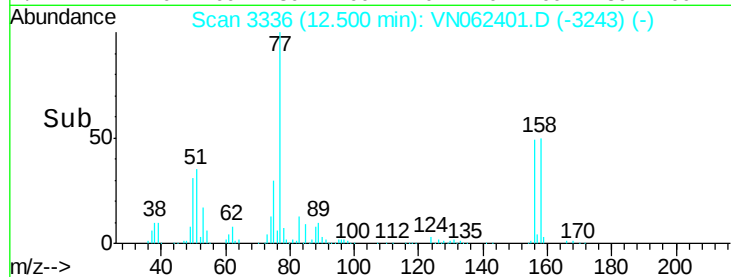
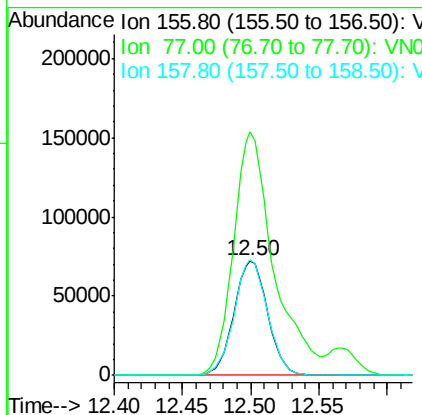
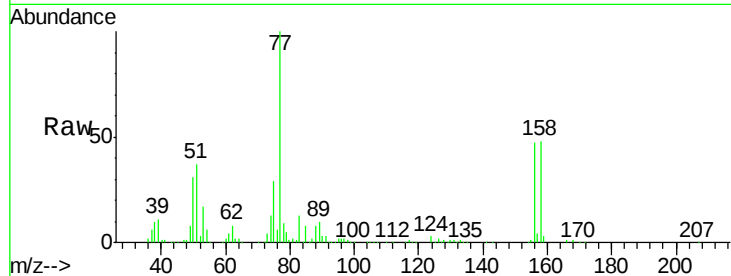
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	123925
Ion Ratio	Lower	Upper	
156	100		
77	252.9	126.4	379.3
158	99.6	49.8	149.4

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#78

n-propylbenzene

Concen: 55.826 ug/l

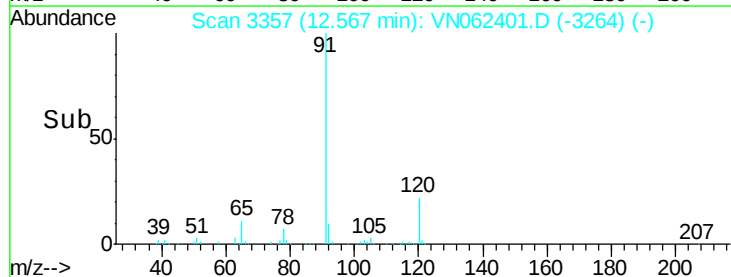
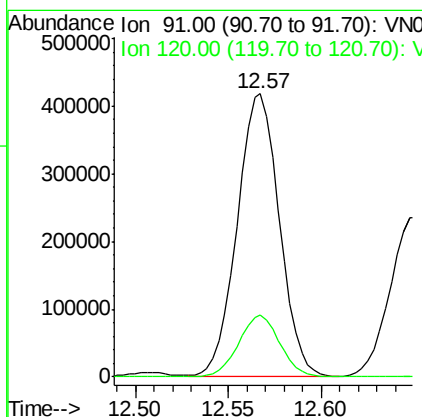
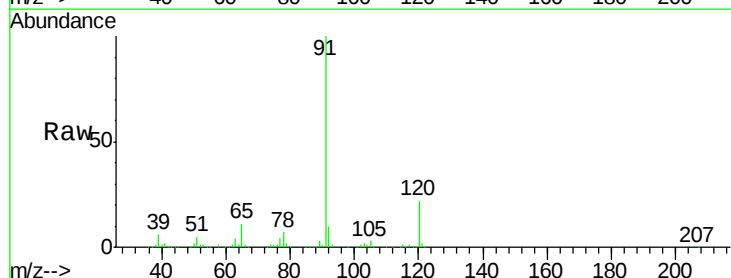
RT: 12.57 min Scan# 3357

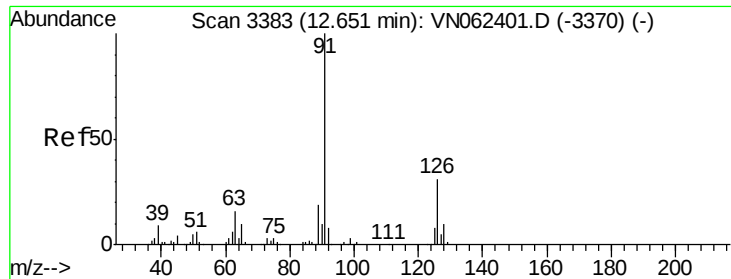
Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion:	91	Resp:	657435
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.7	32.1





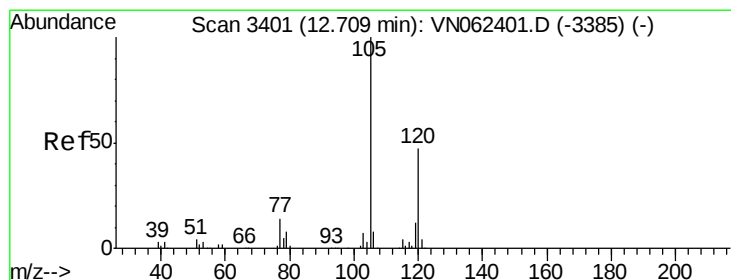
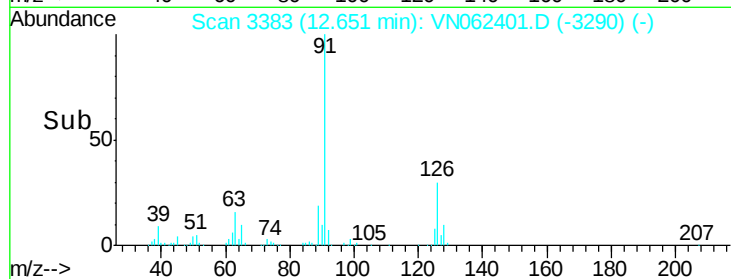
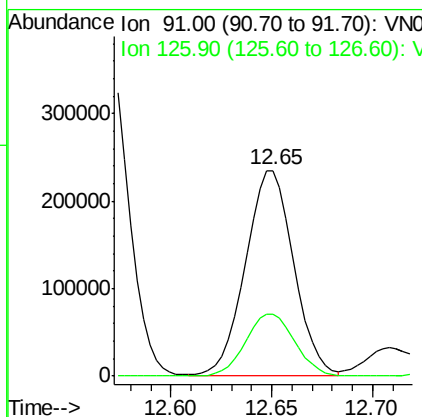
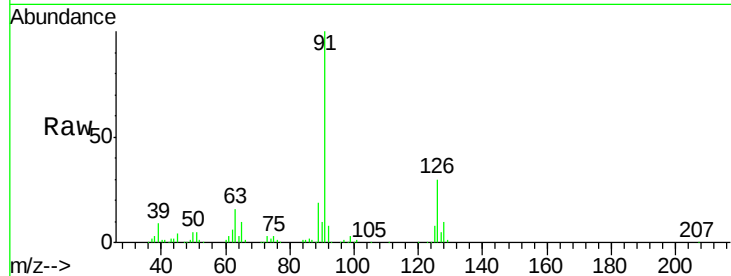
#79
2-Chlorotoluene
Concen: 52.125 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 390045
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.7

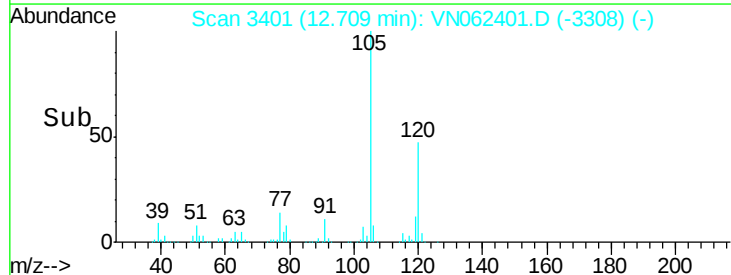
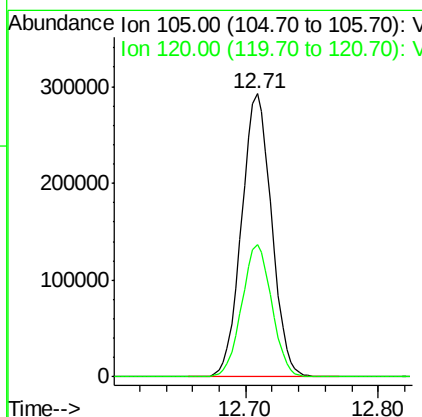
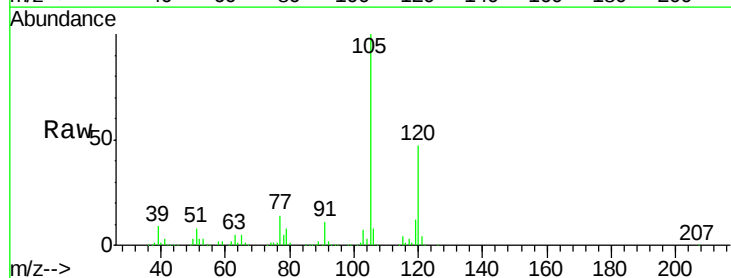
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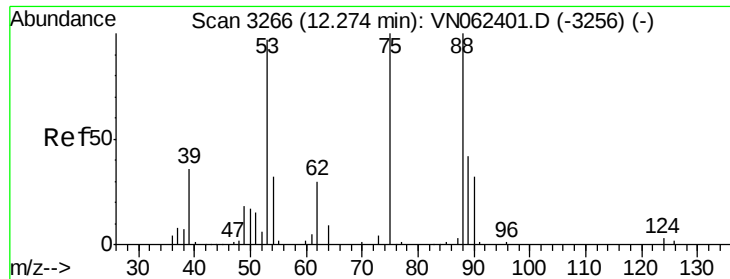
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 53.048 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 105 Resp: 458343
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2





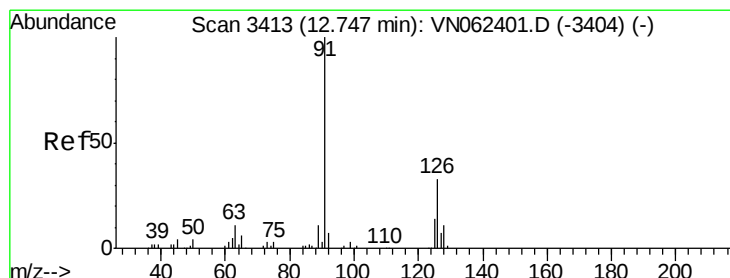
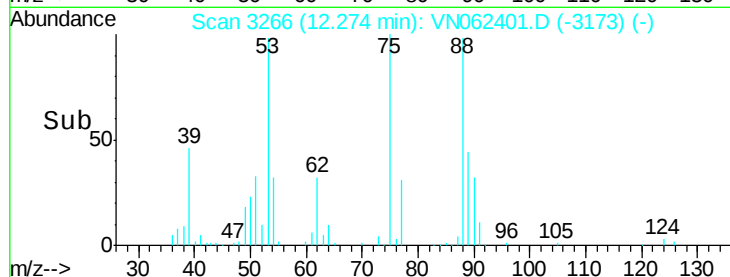
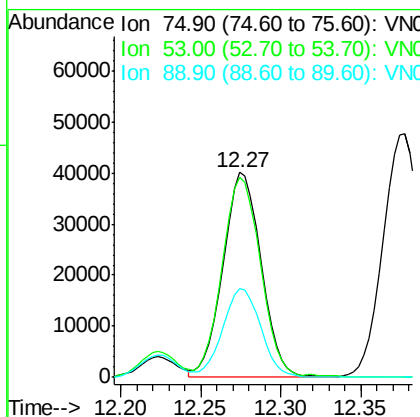
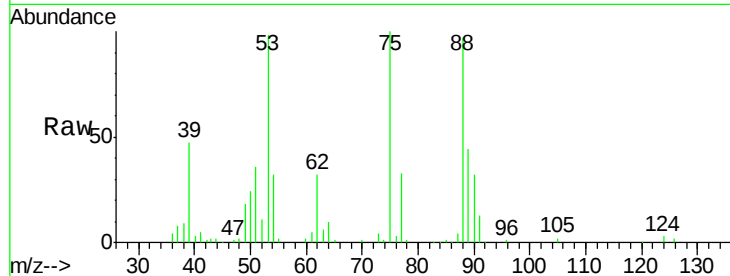
#81
trans-1,4-Dichloro-2-butene
Concen: 54.817 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	79.2	118.8
89	43.3	34.6	52.0

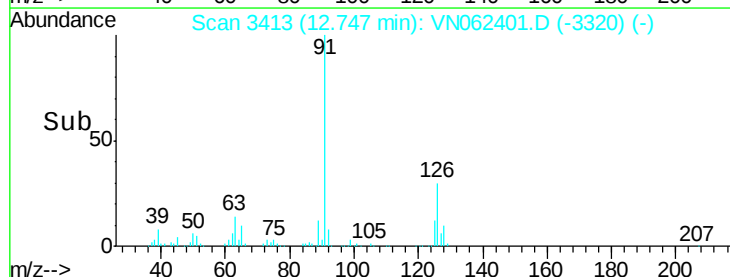
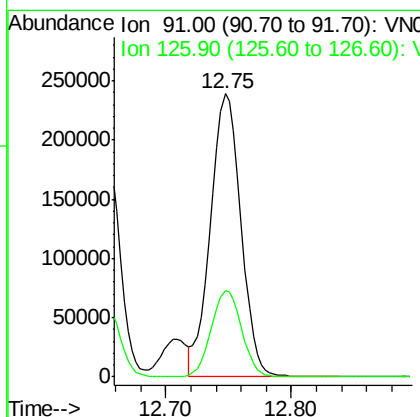
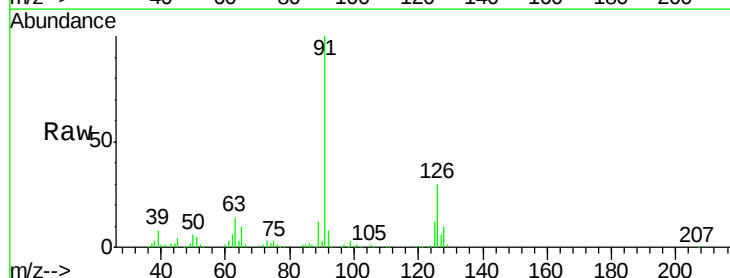
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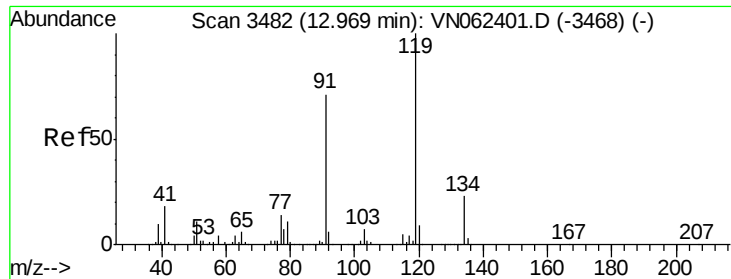
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.494 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.2	45.6





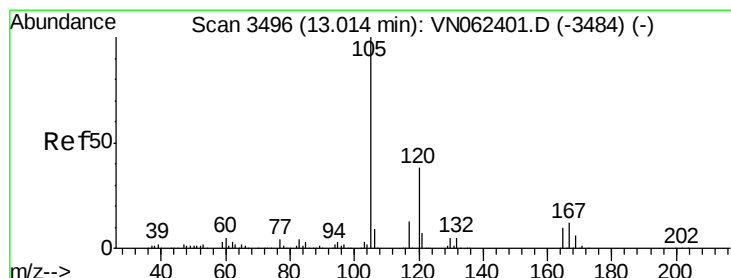
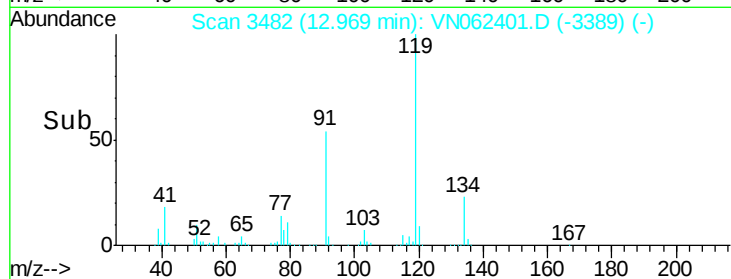
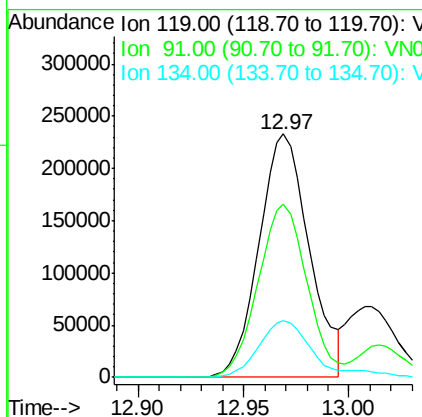
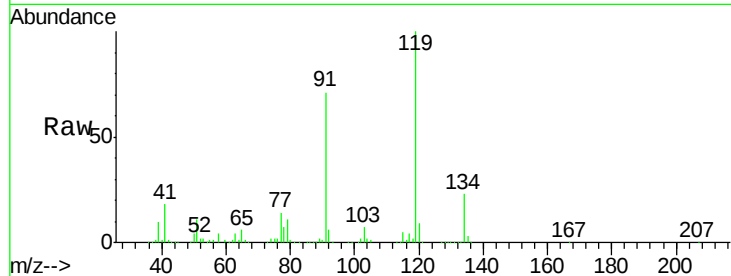
#83
 tert-Butylbenzene
 Concen: 52.464 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.8	104.3
134	23.3	11.7	35.0

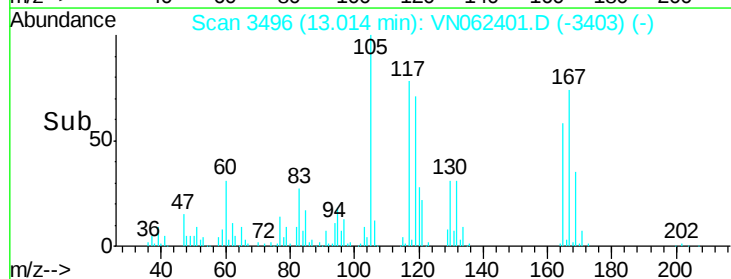
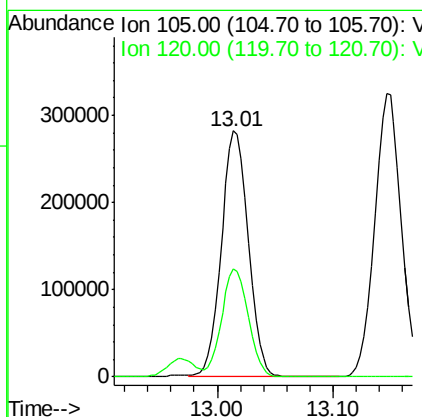
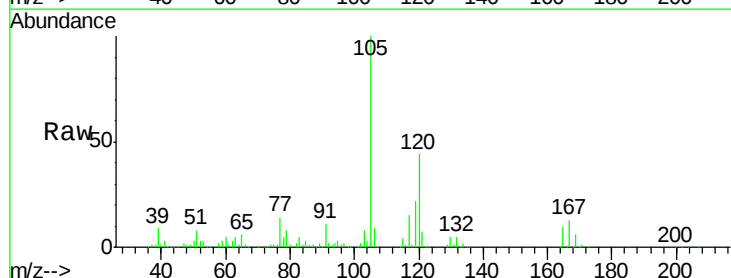
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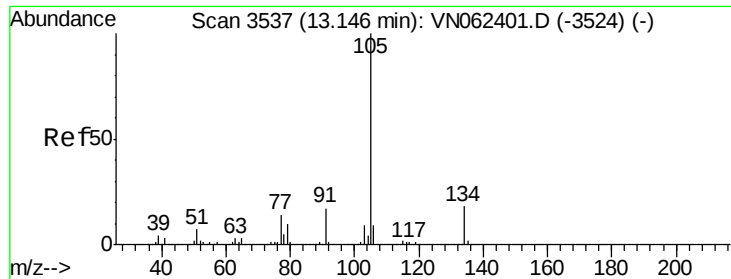
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 7/9/2020 10:54:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.218 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.6	64.8





#85

sec-Butylbenzene

Concen: 54.978 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 516932

Ion Ratio Lower Upper

105 100

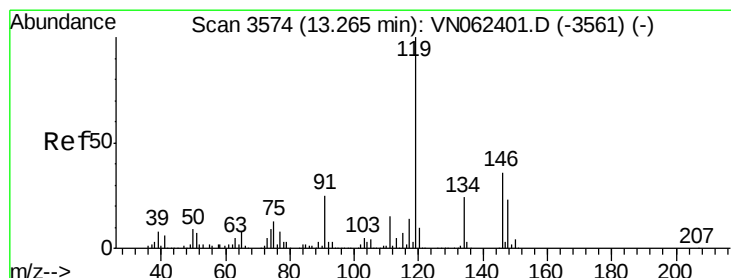
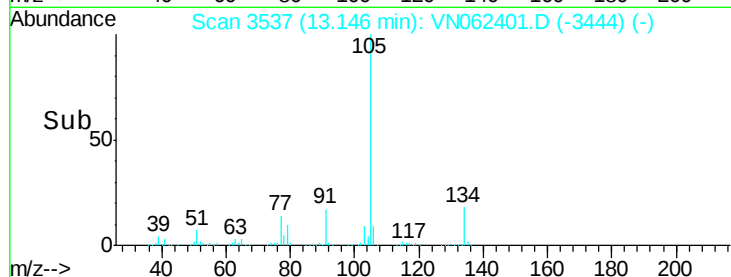
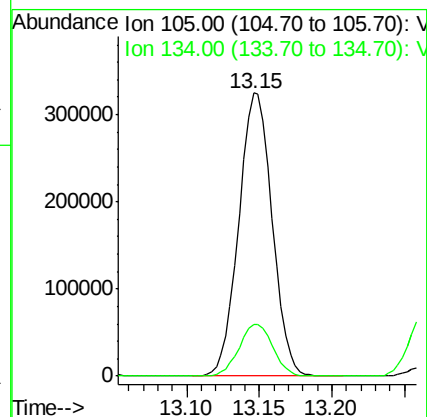
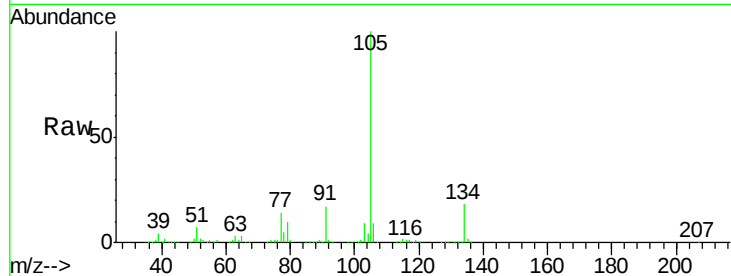
134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 53.838 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

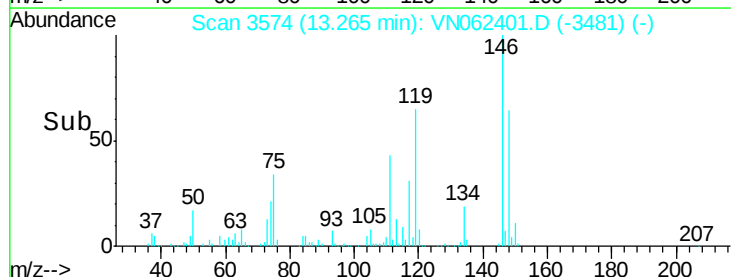
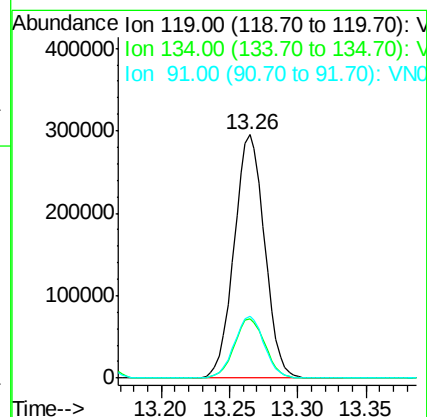
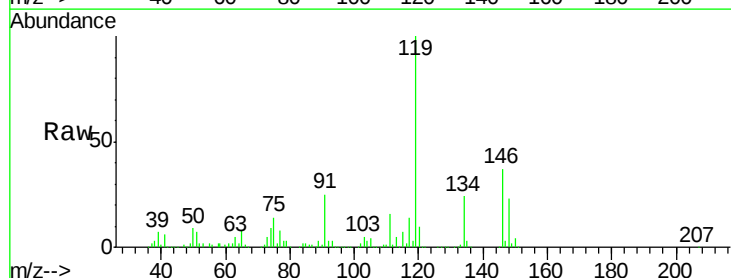
Tgt Ion:119 Resp: 455815

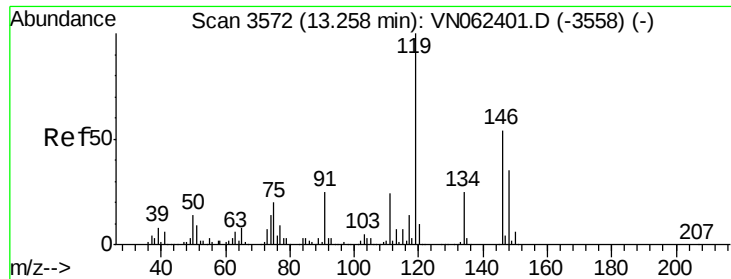
Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.0

91 24.9 12.4 37.4





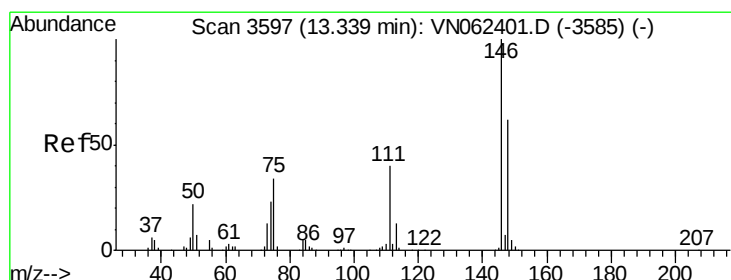
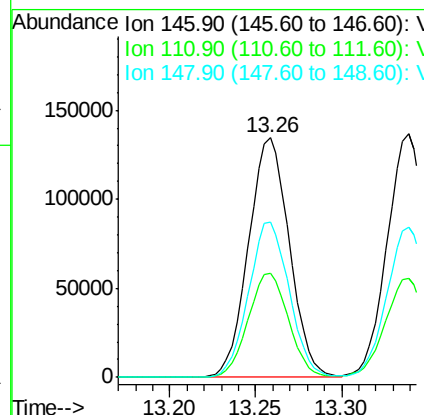
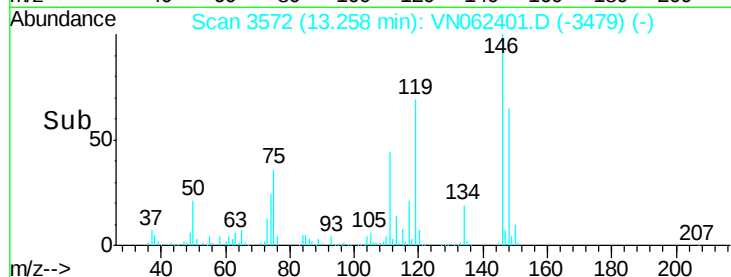
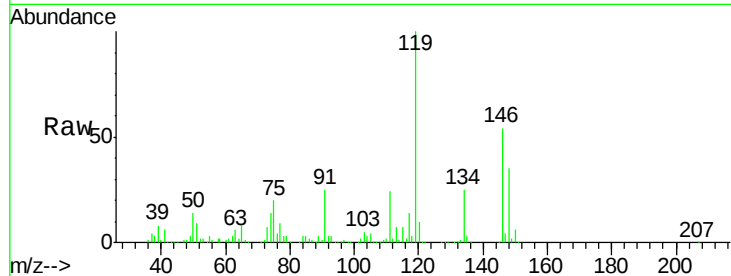
#87
 1,3-Dichlorobenzene
 Concen: 50.865 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	221530		
111	43.1	21.6	64.6	
148	64.4	32.2	96.6	

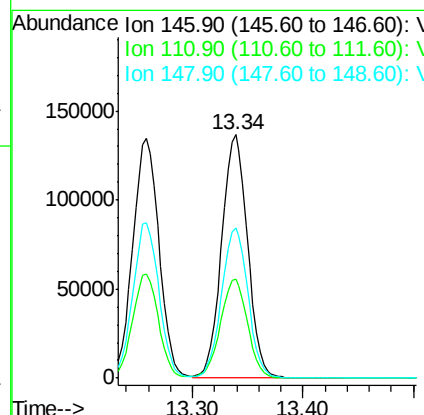
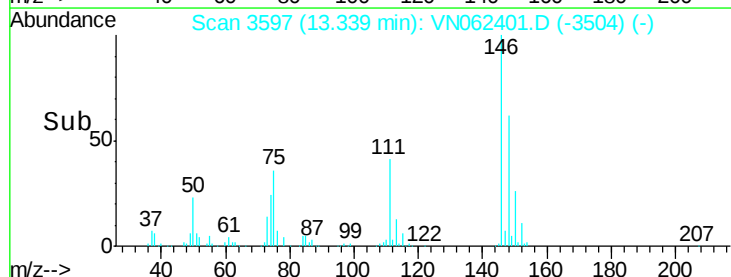
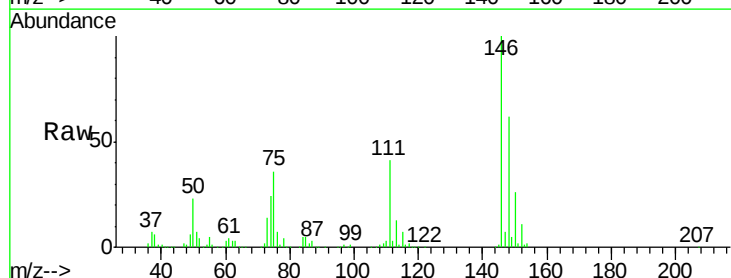
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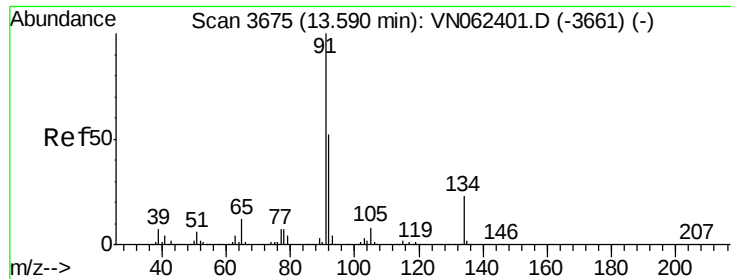
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#88
 1,4-Dichlorobenzene
 Concen: 49.533 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222852		
111	42.1	21.1	63.1	
148	62.8	31.4	94.2	





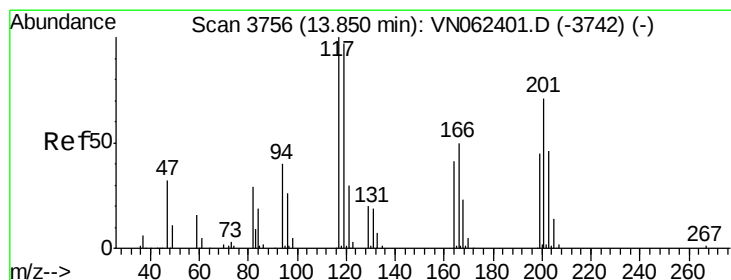
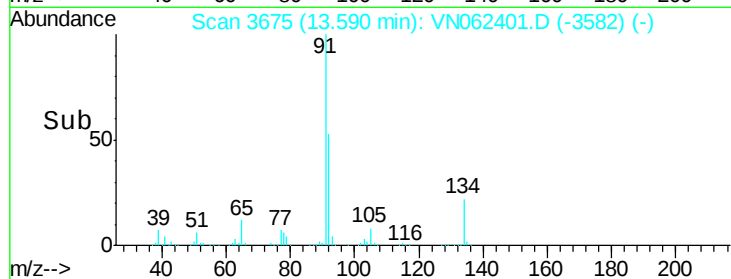
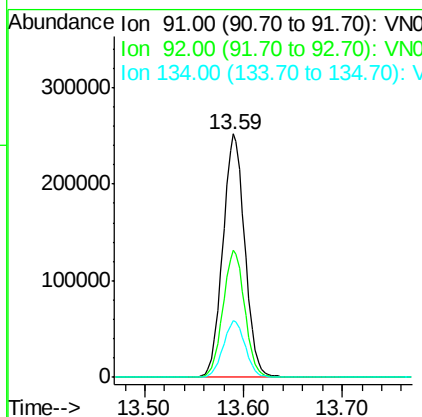
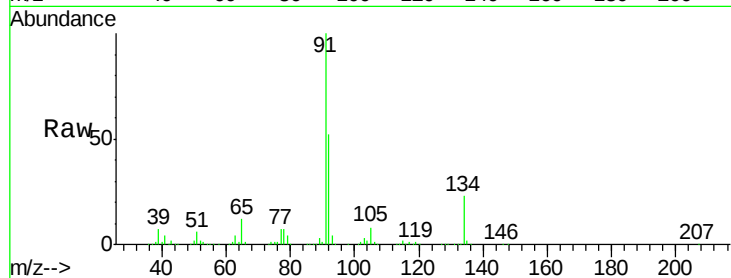
#89
n-Butylbenzene
Concen: 54.137 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	23.2	11.6	34.8

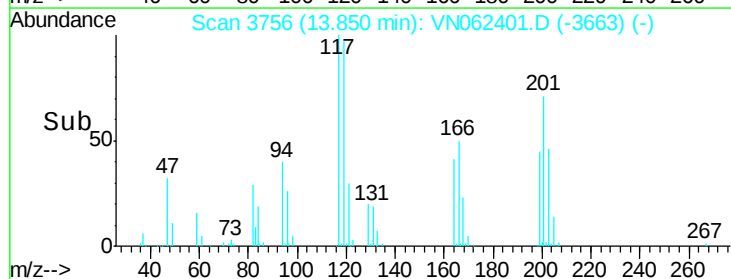
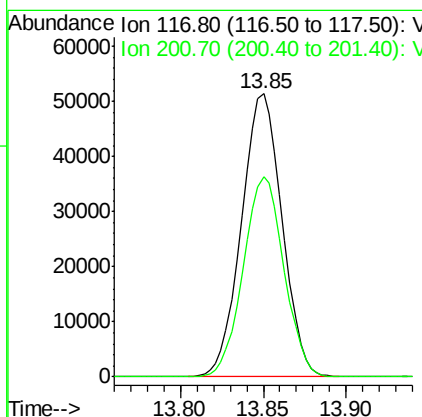
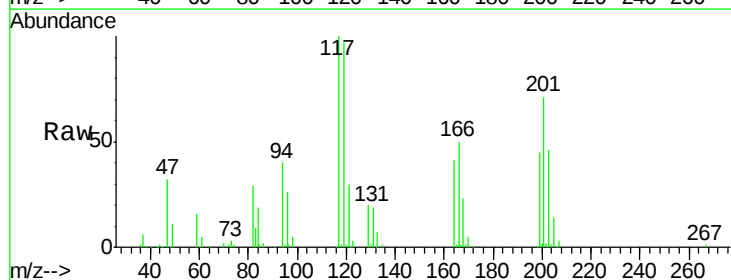
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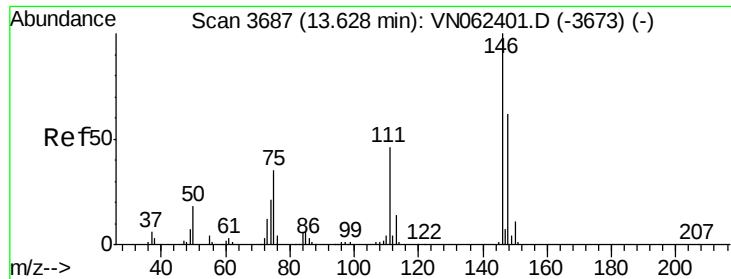
MMDadoda
7/9/2020 10:54:52 AM



#90
Hexachloroethane
Concen: 48.628 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.4	106.2





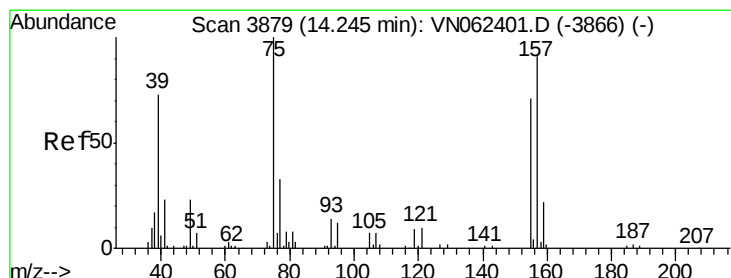
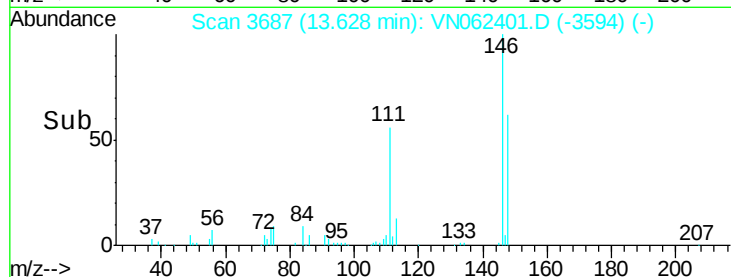
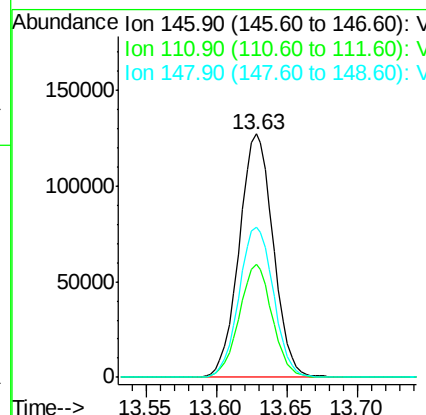
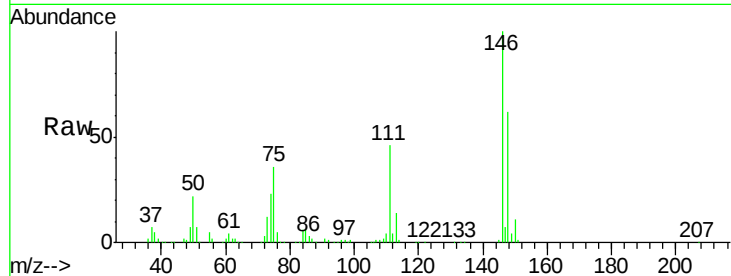
#91
 1,2-Dichlorobenzene
 Concen: 51.578 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	62.8	31.4	94.2

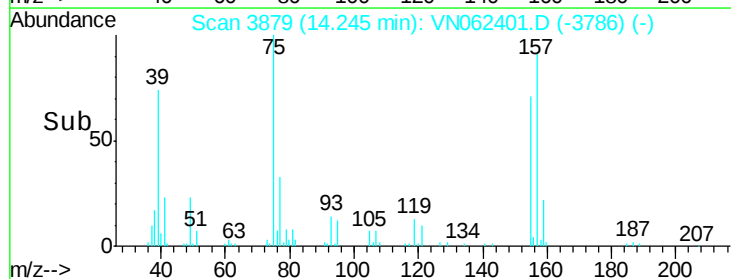
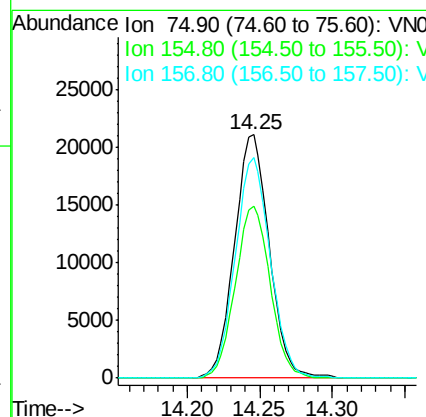
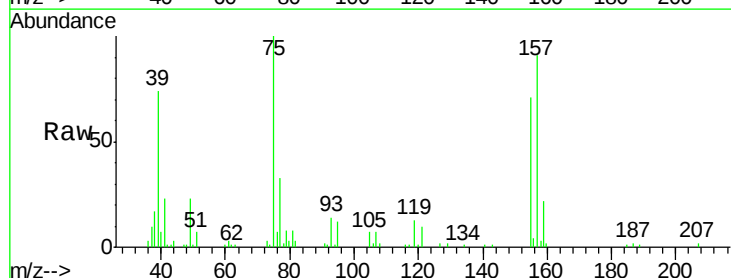
Manual Integrations
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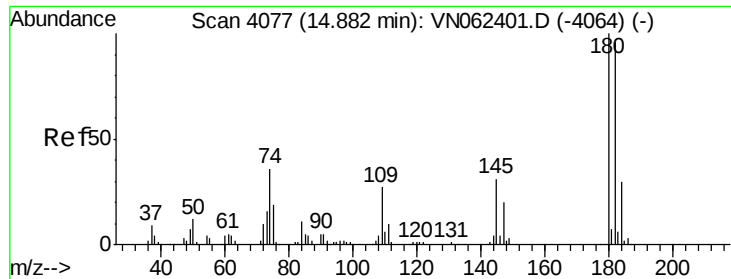
MMDadoda
 7/9/2020 10:54:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.487 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	35.2	105.6
157	91.5	45.8	137.3





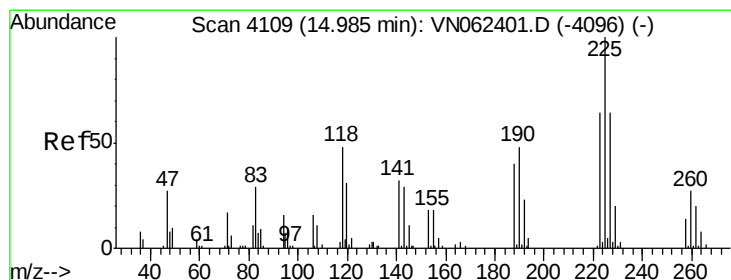
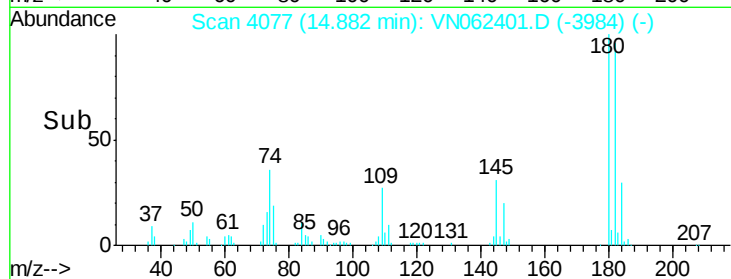
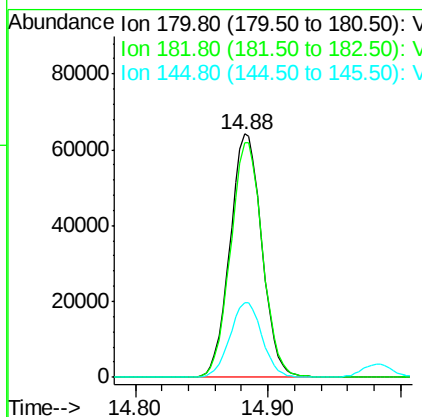
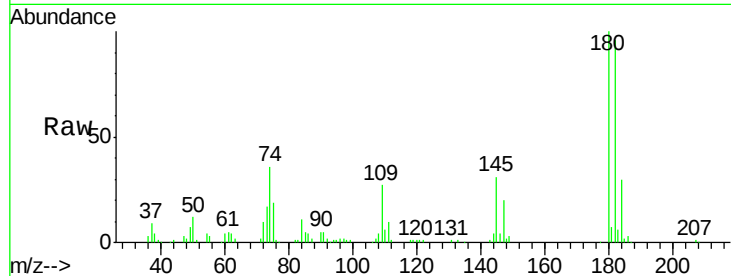
#93
 1,2,4-Trichlorobenzene
 Concen: 54.676 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106816		
182	96.8	48.4	145.2	
145	31.0	15.5	46.5	

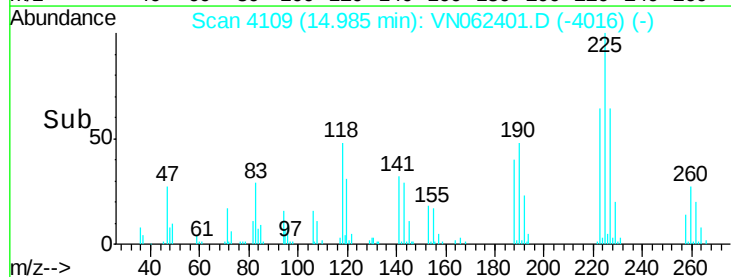
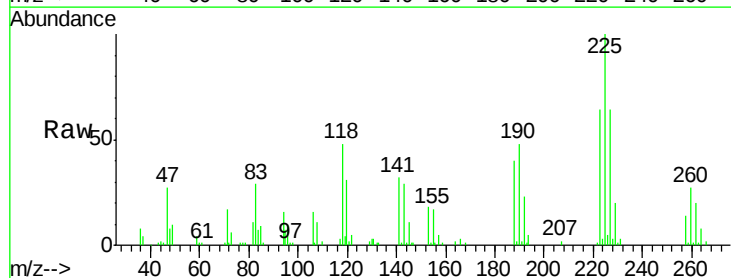
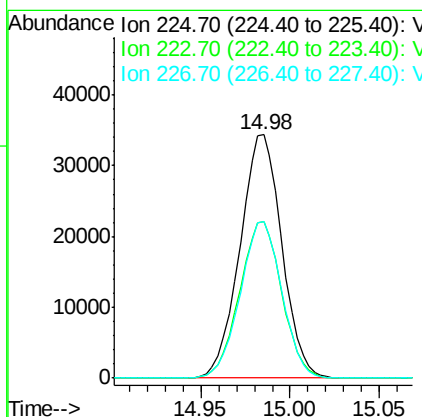
Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:52 AM



#94
 Hexachlorobutadiene
 Concen: 46.022 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56261		
223	64.5	32.3	96.8	
227	63.8	31.9	95.7	





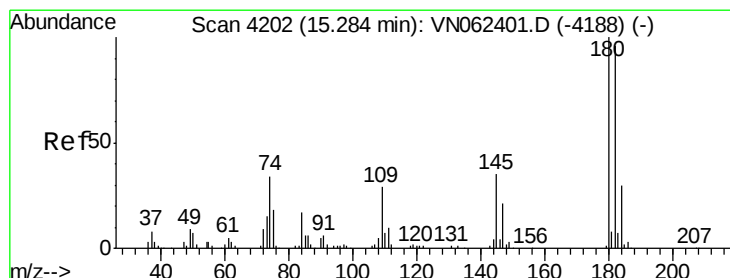
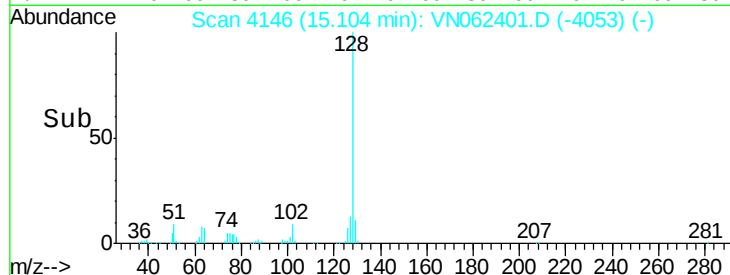
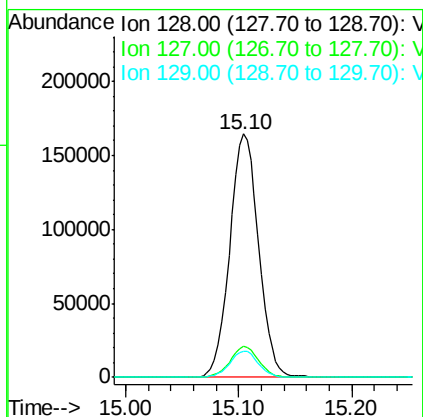
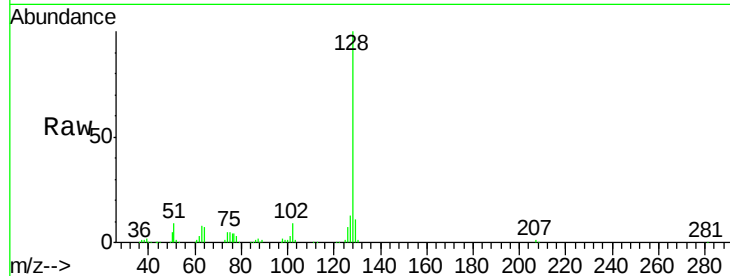
#95
Naphthalene
Concen: 56.335 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:54:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.848 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.4
145	33.9	17.0	50.9

