

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058473.D
 Acq On : 1 Oct 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:36:08 PM

Quant Time: Oct 02 07:45:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	357761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	617816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	564138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	276220	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.57	113	198044	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.08	98	765786	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.41	95	280100	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	197443	50.332	ug/l	100
3) Chloromethane	2.03	50	235493	54.605	ug/l	100
4) Vinyl Chloride	2.17	62	223880	52.992	ug/l	100
5) Bromomethane	2.54	94	112358	50.070	ug/l	98
6) Chloroethane	2.68	64	136637	53.977	ug/l	96
7) Trichlorofluoromethane	3.00	101	276736	54.280	ug/l	100
8) Diethyl Ether	3.39	74	115632	52.566	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	181708	52.480	ug/l	98
10) Methyl Iodide	3.93	142	190651	49.659	ug/l	100
11) Tert butyl alcohol	4.76	59	183115	315.281	ug/l	97
12) 1,1-Dichloroethene	3.72	96	176463	52.286	ug/l	98
13) Acrolein	3.59	56	70654	382.474	ug/l	99
14) Allyl chloride	4.30	41	326983	53.239	ug/l	99
15) Acrylonitrile	4.96	53	497410	293.855	ug/l	100
16) Acetone	3.80	43	449238	252.068	ug/l	98
17) Carbon Disulfide	4.03	76	467469	52.546	ug/l	99
18) Methyl Acetate	4.30	43	241341	53.841	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	636629	53.462	ug/l	98
20) Methylene Chloride	4.53	84	210059	51.074	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	195939	52.209	ug/l	98
22) Diisopropyl ether	5.93	45	724498	54.816	ug/l	96
23) Vinyl Acetate	5.87	43	2984572	299.487	ug/l	99
24) 1,1-Dichloroethane	5.83	63	401890	54.030	ug/l	100
25) 2-Butanone	6.81	43	701891	286.847	ug/l	99
26) 2,2-Dichloropropane	6.81	77	295281	48.287	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	232190	52.935	ug/l	99
28) Bromochloromethane	7.18	49	165756	55.748	ug/l	96
29) Tetrahydrofuran	7.19	42	457221	294.405	ug/l	100
30) Chloroform	7.36	83	407941	54.121	ug/l	100
31) Cyclohexane	7.64	56	369387	51.052	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	344160	55.602	ug/l	99
36) 1,1-Dichloropropene	7.78	75	302731	51.245	ug/l	99
37) Ethyl Acetate	6.91	43	290174	57.935	ug/l	98
38) Carbon Tetrachloride	7.76	117	287544	53.924	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	358876	52.021	ug/l	99
40) Benzene	8.03	78	895039	52.708	ug/l	99
41) Methacrylonitrile	7.16	41	131162m	56.923	ug/l	
42) 1,2-Dichloroethane	8.11	62	349946	52.970	ug/l	100
43) Isopropyl Acetate	8.15	43	495375	52.596	ug/l	100
44) Trichloroethene	8.82	130	214722	51.210	ug/l	95
45) 1,2-Dichloropropane	9.11	63	244925	53.780	ug/l	100
46) Dibromomethane	9.20	93	154797	53.672	ug/l	98
47) Bromodichloromethane	9.40	83	311841	57.067	ug/l	99
48) Methyl methacrylate	9.19	41	242714	56.594	ug/l	99
49) 1,4-Dioxane	9.19	88	83883	1462.776	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1493754	308.758	ug/l	98
52) Toluene	10.15	92	552162	51.660	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	331387	55.717	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	366412	55.499	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	217526	55.893	ug/l	100
56) Ethyl methacrylate	10.43	69	339011	57.406	ug/l	100
57) 1,3-Dichloropropane	10.71	76	383383	55.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	646208	274.424	ug/l	98
59) 2-Hexanone	10.75	43	1079925	306.557	ug/l	99
60) Dibromochloromethane	10.90	129	219379	54.484	ug/l	99
61) 1,2-Dibromoethane	11.01	107	220288	55.396	ug/l	100
64) Tetrachloroethene	10.63	164	192269	53.644	ug/l	99
65) Chlorobenzene	11.44	112	577849	51.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203709	53.917	ug/l	99
67) Ethyl Benzene	11.51	91	1085503	53.443	ug/l	99
68) m/p-Xylenes	11.63	106	799649	104.639	ug/l	98
69) o-Xylene	11.95	106	379818	51.630	ug/l	94
70) Styrene	11.97	104	660152	55.238	ug/l	100
71) Bromoform	12.13	173	139991	53.566	ug/l #	100
73) Isopropylbenzene	12.26	105	1056585	52.636	ug/l	100
74) N-amyl acetate	12.08	43	441311	55.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	324446	54.659	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	267411m	53.901	ug/l	
77) Bromobenzene	12.53	156	238304	50.630	ug/l	97
78) n-propylbenzene	12.60	91	1251492	55.339	ug/l	100
79) 2-Chlorotoluene	12.68	91	724731	51.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	901756	53.665	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	88130	53.951	ug/l	98
82) 4-Chlorotoluene	12.78	91	756883	53.139	ug/l	99
83) tert-Butylbenzene	13.00	119	769206	54.249	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	910380	54.075	ug/l	100
85) sec-Butylbenzene	13.18	105	1039521	55.701	ug/l	100
86) p-Isopropyltoluene	13.30	119	928112	56.497	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	440587	51.623	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	433755	51.082	ug/l	99
89) n-Butylbenzene	13.62	91	828292	55.662	ug/l	99
90) Hexachloroethane	13.89	117	146979	59.549	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	428909	52.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	61802	59.043	ug/l	97

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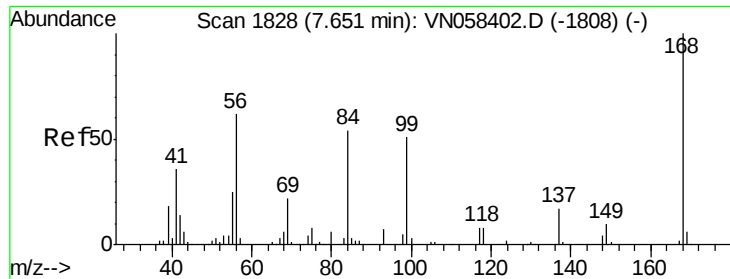
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	256724	56.653	ug/l	99
94) Hexachlorobutadiene	15.02	225	123566	53.053	ug/l	99
95) Naphthalene	15.14	128	721624	54.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249241	54.864	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

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Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 357761

Ion Ratio Lower Upper

168 100

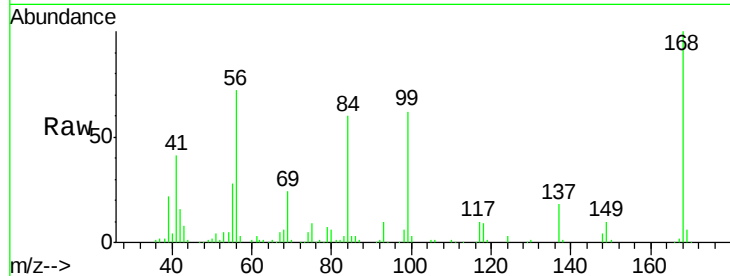
99 62.0 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

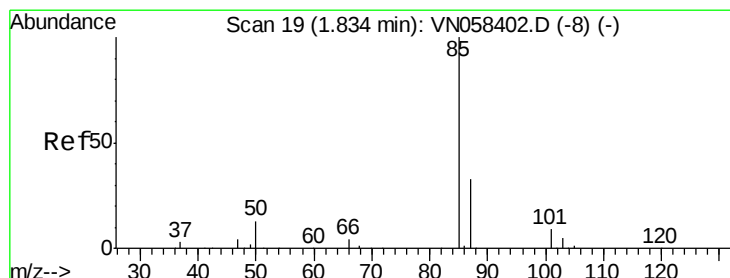
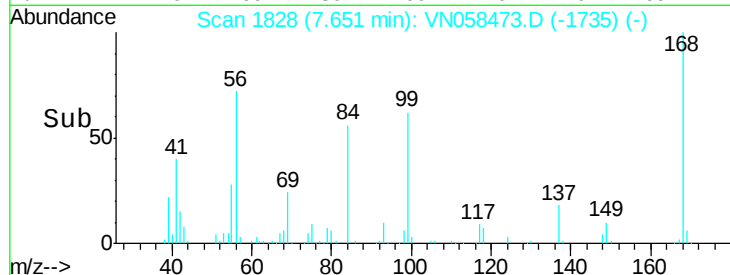
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.332 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058473.D

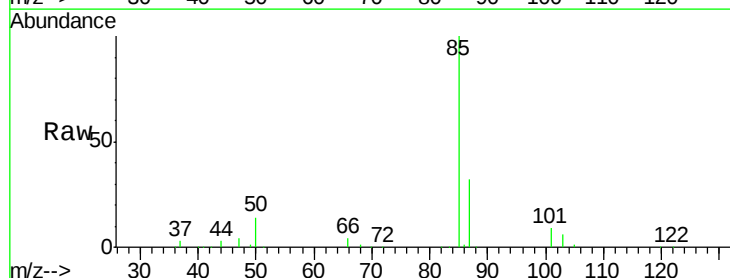
Acq: 1 Oct 2019 19:37

Tgt Ion: 85 Resp: 197443

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

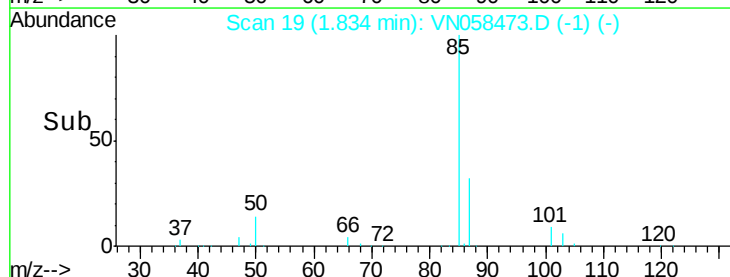
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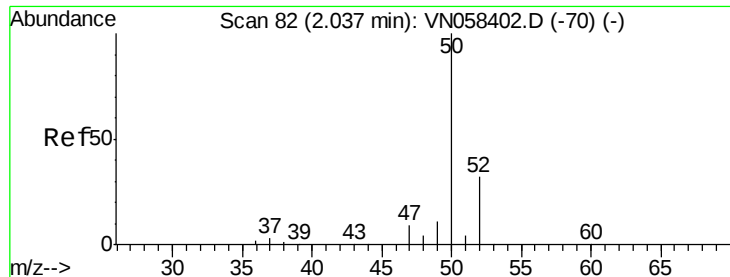
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 54.605 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tot Ion: 50 Resp: 235493

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

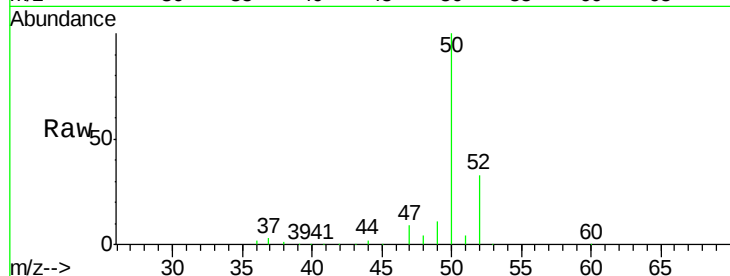
VSTDCCC050EC

Manual Integrations

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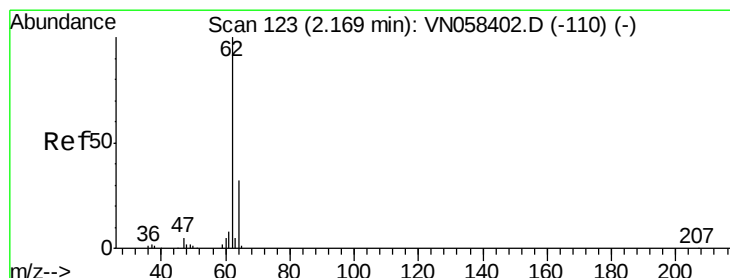
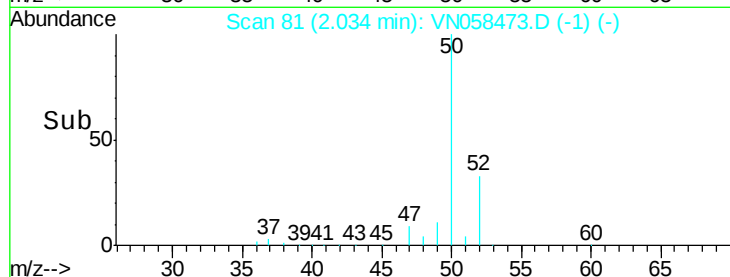
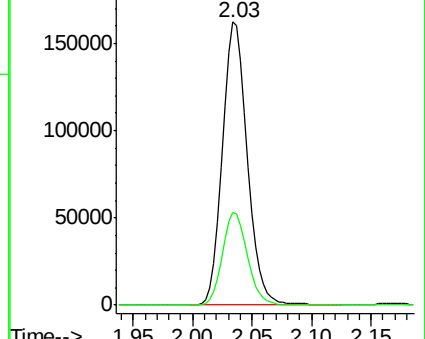
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.992 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058473.D

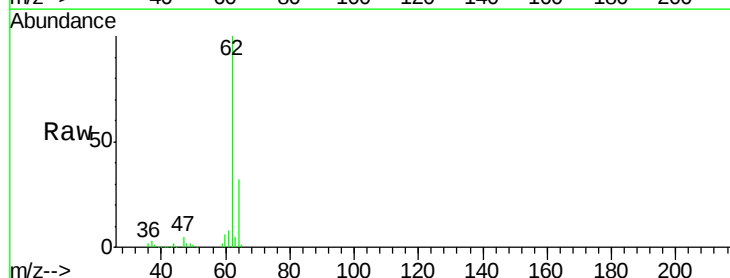
Acq: 1 Oct 2019 19:37

Tgt Ion: 62 Resp: 223880

Ion Ratio Lower Upper

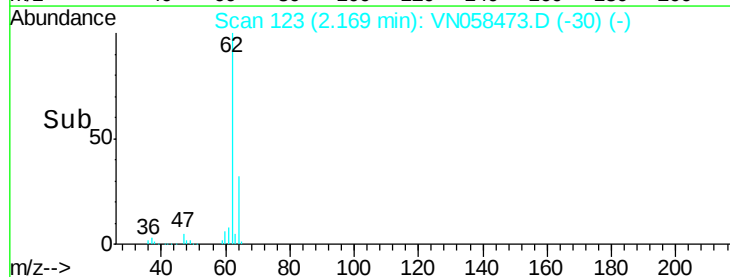
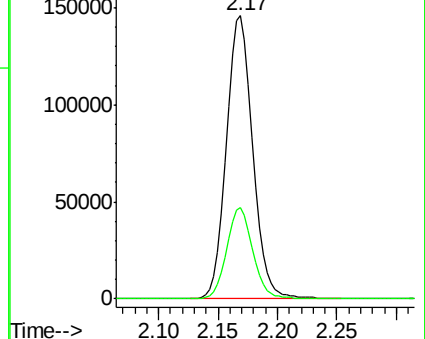
62 100

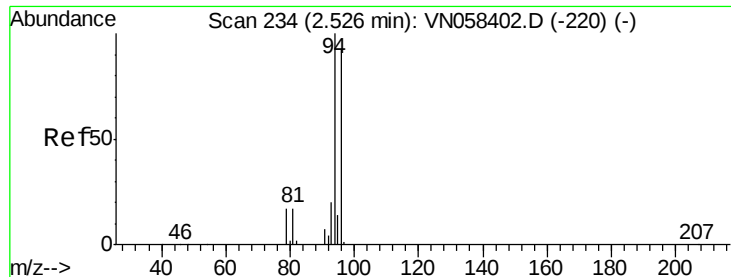
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.070 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 112358

Ion Ratio Lower Upper

94 100

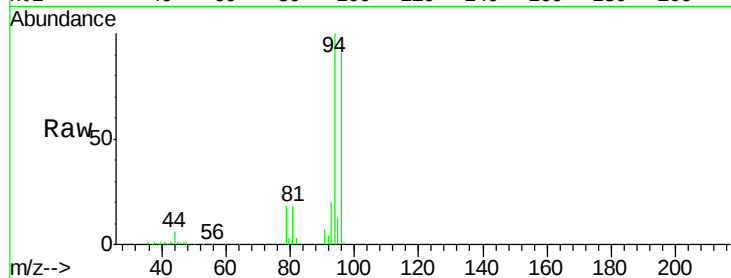
96 91.4 74.8 112.2

Manual Integrations

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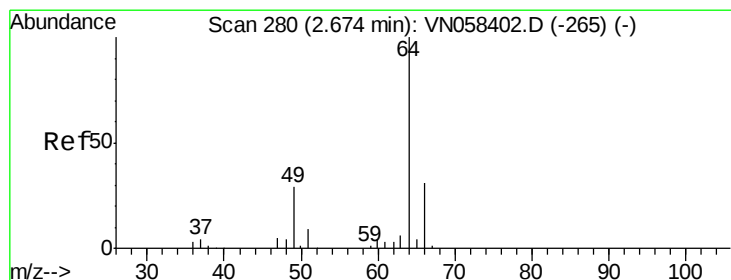
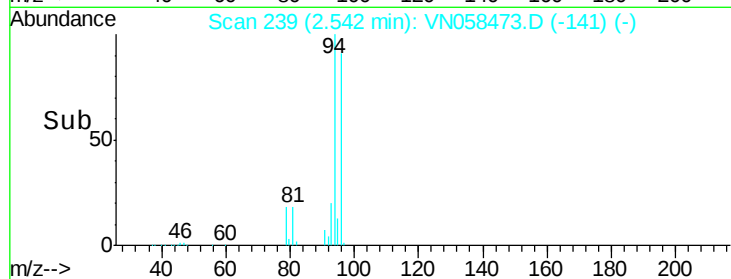
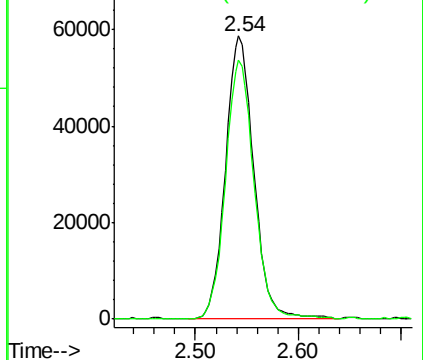
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 53.977 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058473.D

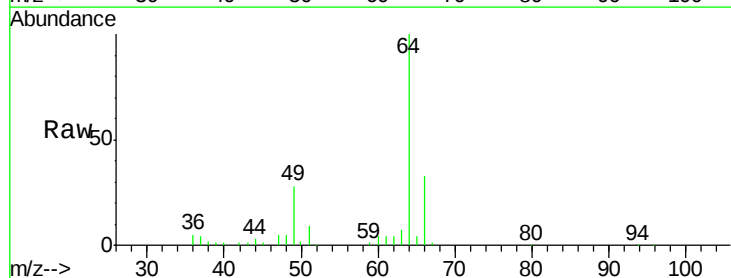
Acq: 1 Oct 2019 19:37

Tgt Ion: 64 Resp: 136637

Ion Ratio Lower Upper

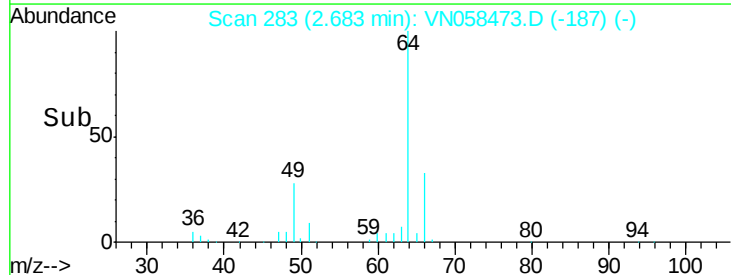
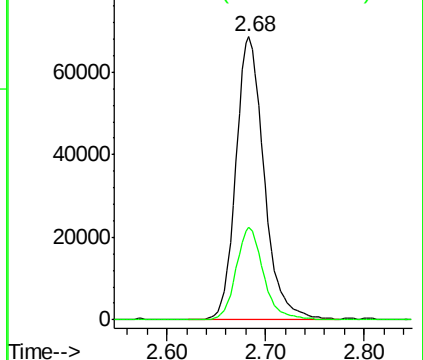
64 100

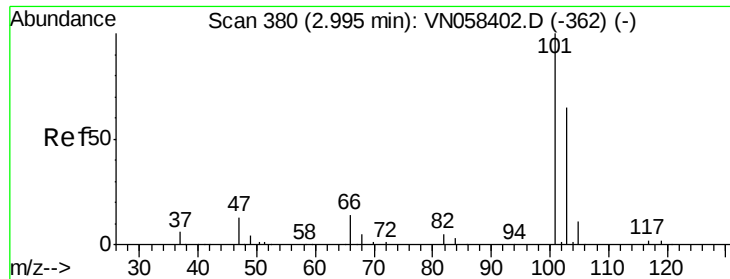
66 32.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

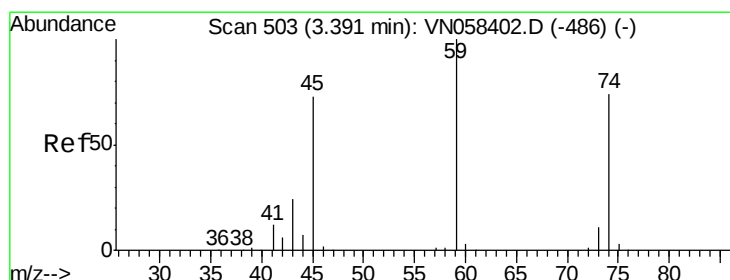
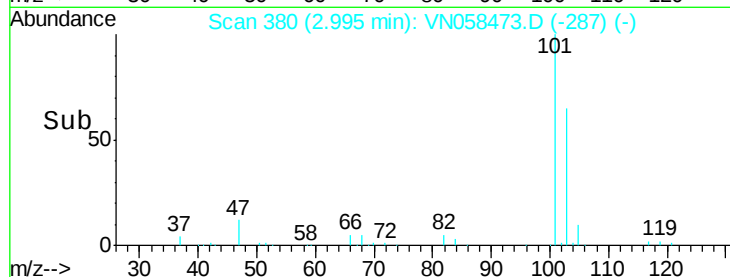
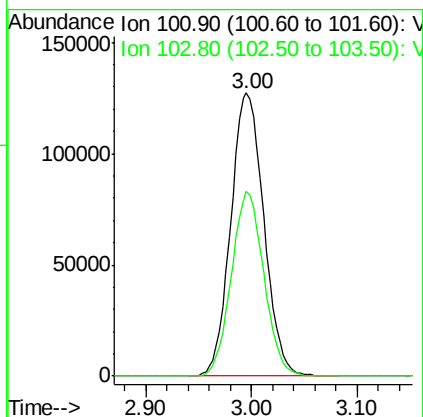
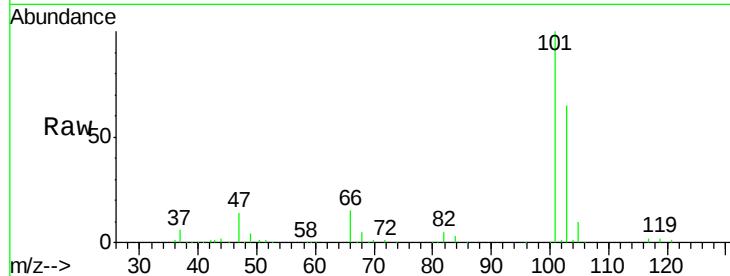
Trichlorofluoromethane
Concen: 54.280 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
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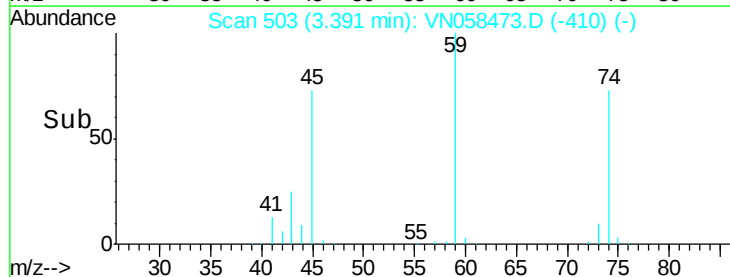
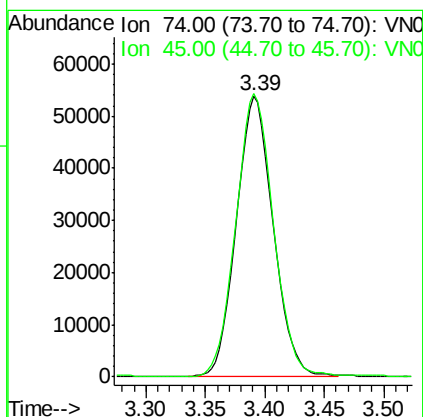
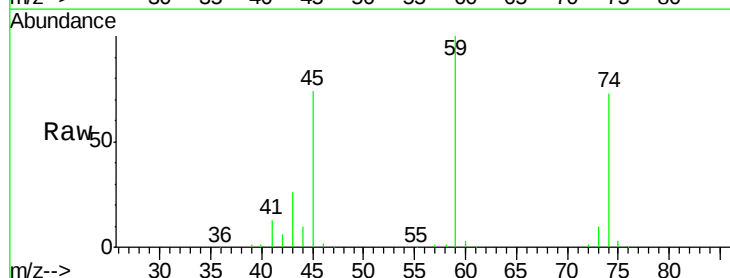
MMDadoda
10/3/2019 12:36:08 PM

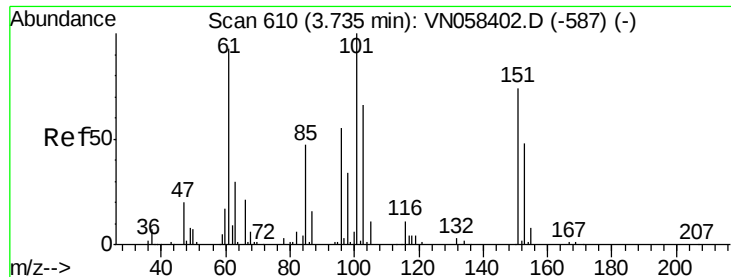


#8

Diethyl Ether
Concen: 52.566 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.480 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

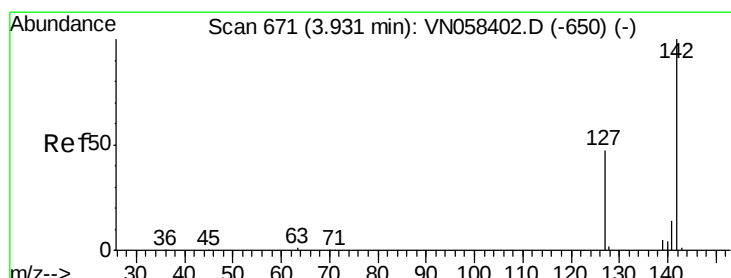
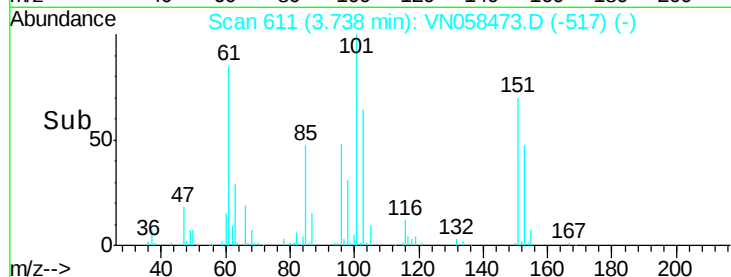
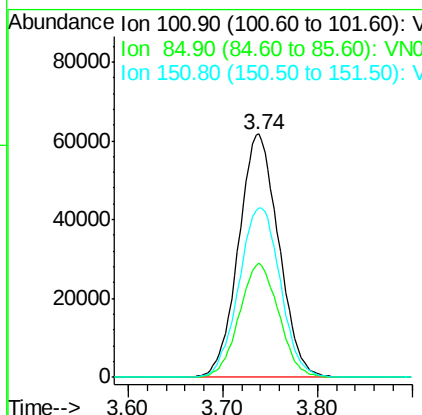
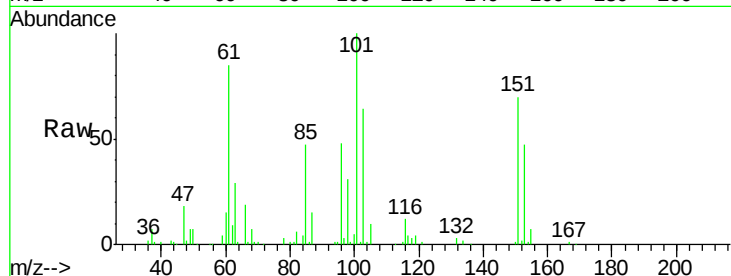
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	181708
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.7	55.1
151	72.0	59.4	89.0

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#10

Methyl Iodide

Concen: 49.659 ug/l

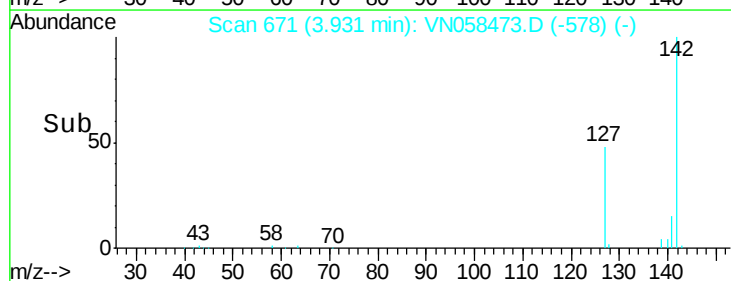
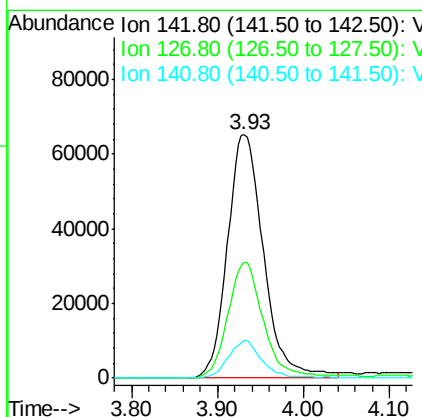
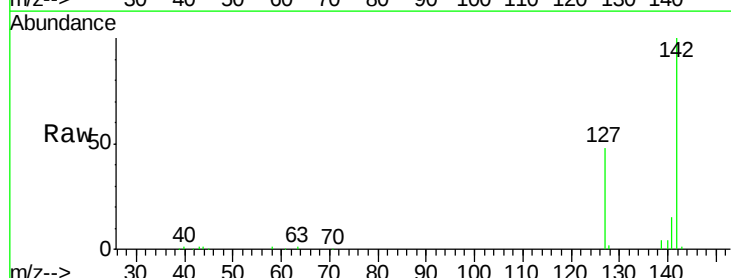
RT: 3.93 min Scan# 671

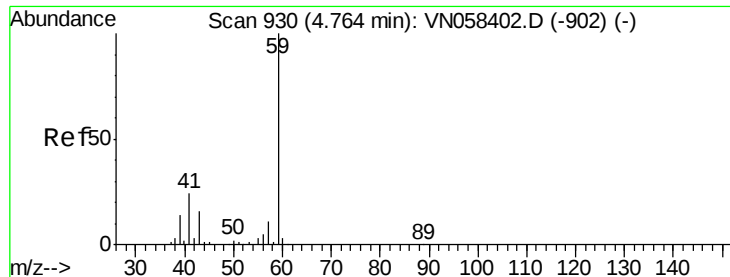
Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion:	142	Resp:	190651
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.2	55.8
141	14.1	11.3	16.9





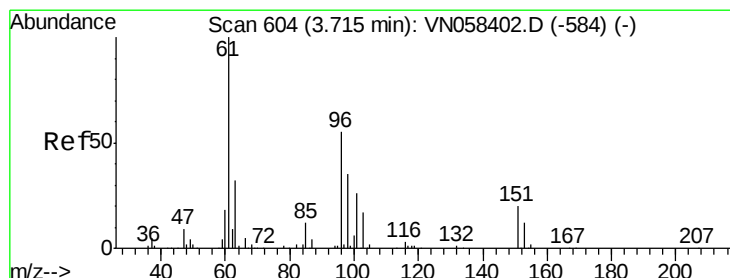
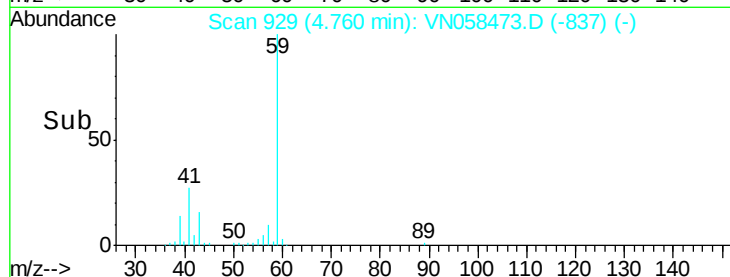
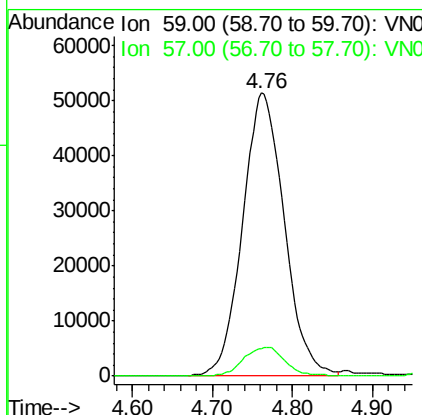
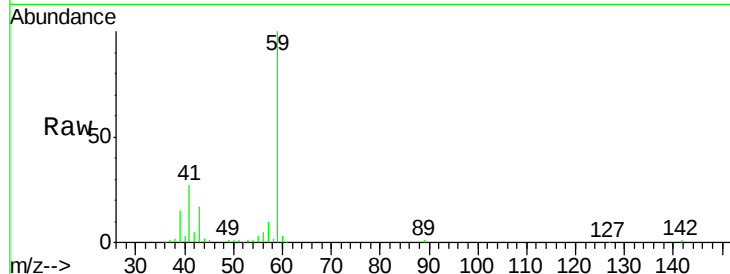
#11
Tert butyl alcohol
Concen: 315.281 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	183115		
57	10.1		9.0	13.4

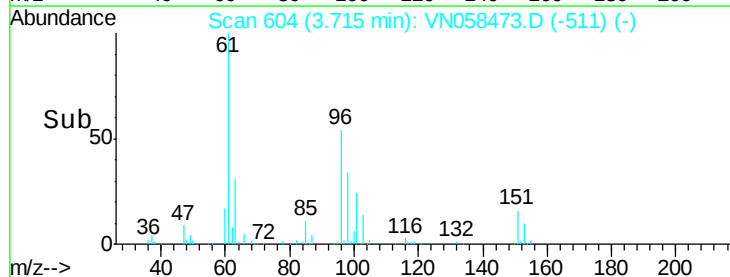
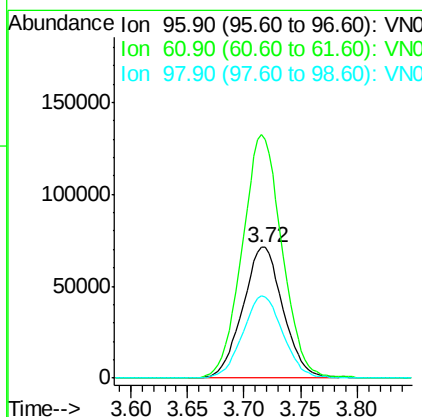
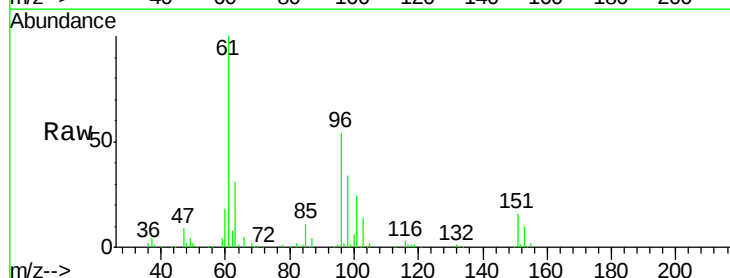
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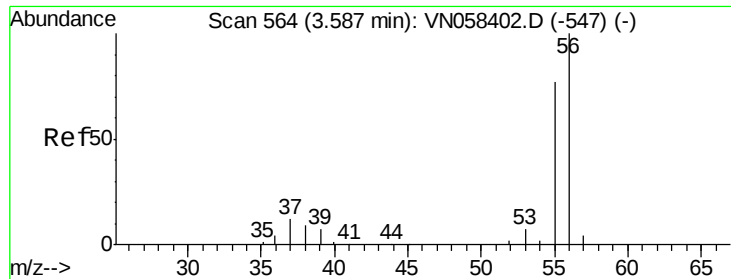
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.286 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	176463		
61	186.3		146.7	220.1
98	62.9		51.3	76.9





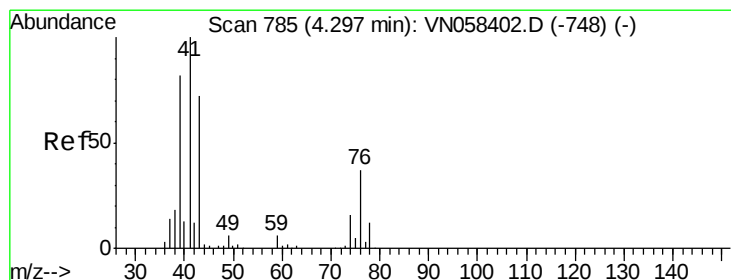
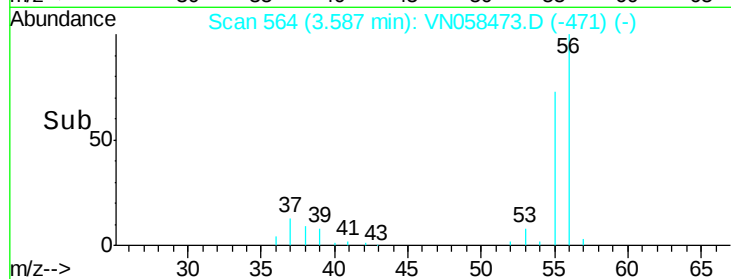
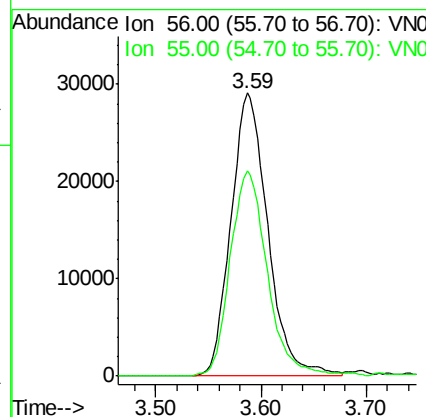
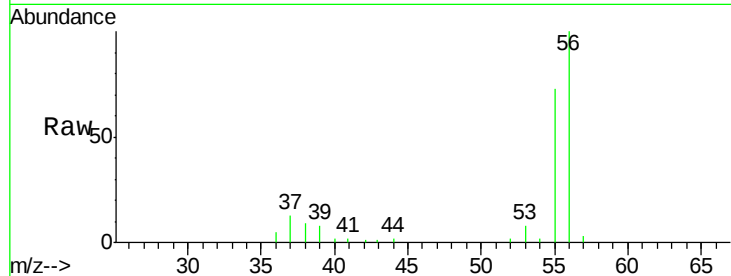
#13
Acrolein
Concen: 382.474 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.3	58.3	87.5	

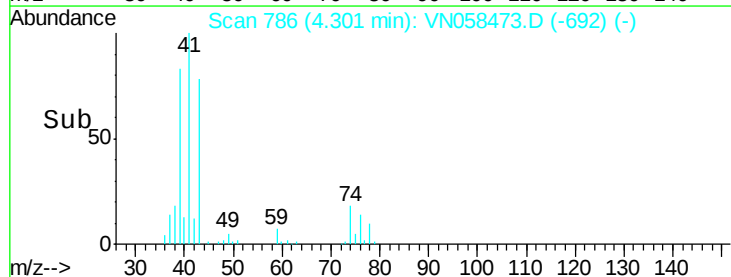
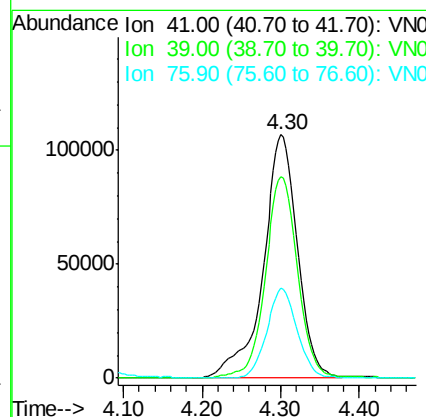
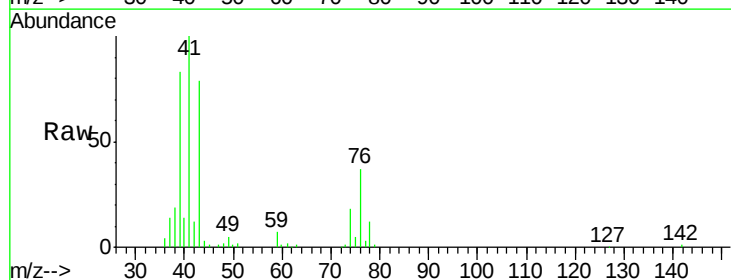
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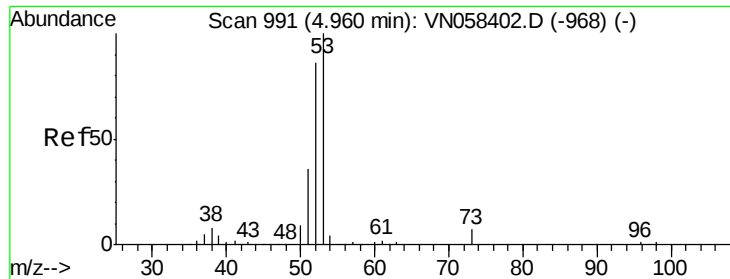
MMDadoda
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#14
Allyl chloride
Concen: 53.239 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	77.6	62.3	93.5	
76	32.8	26.9	40.3	





#15

Acrylonitrile

Concen: 293.855 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

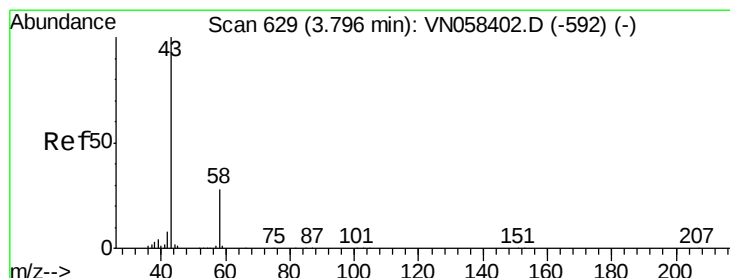
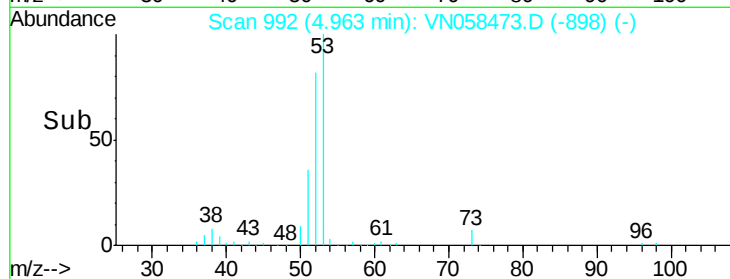
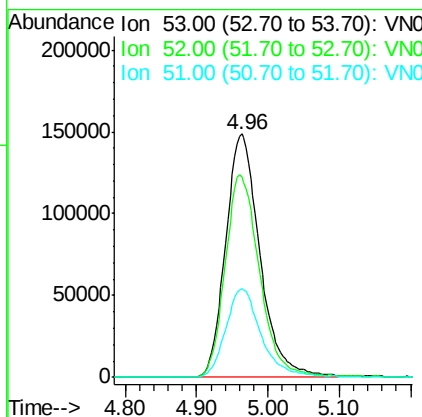
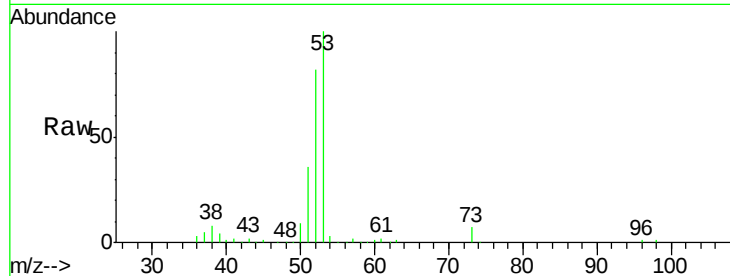
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	497410
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 252.068 ug/l

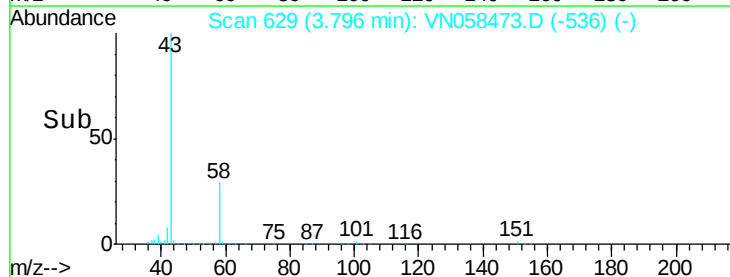
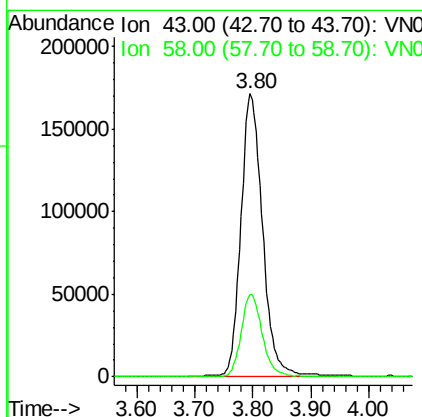
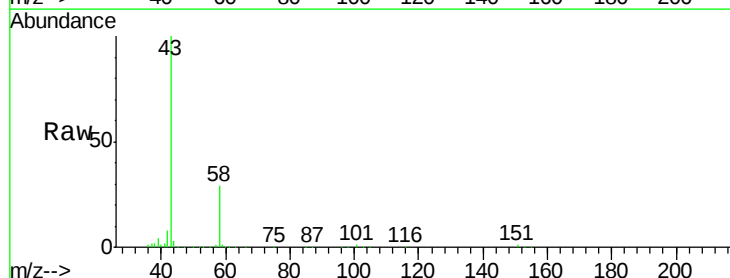
RT: 3.80 min Scan# 629

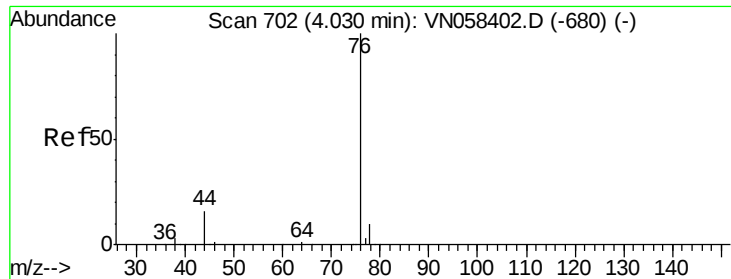
Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion:	43	Resp:	449238
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6





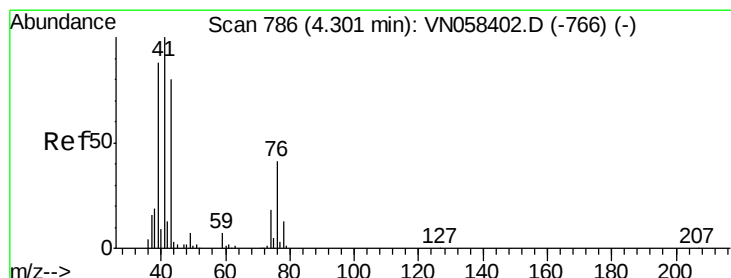
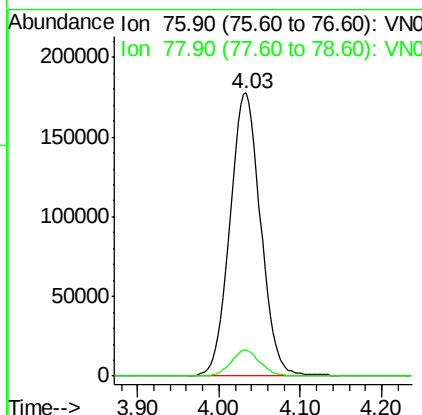
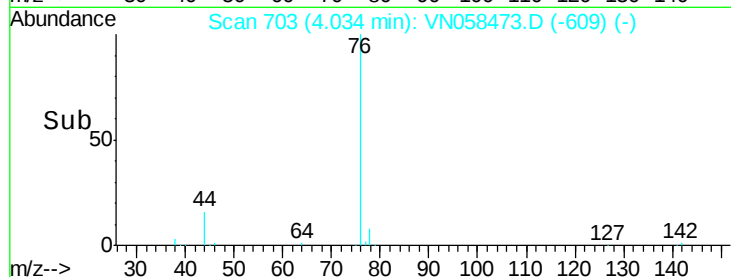
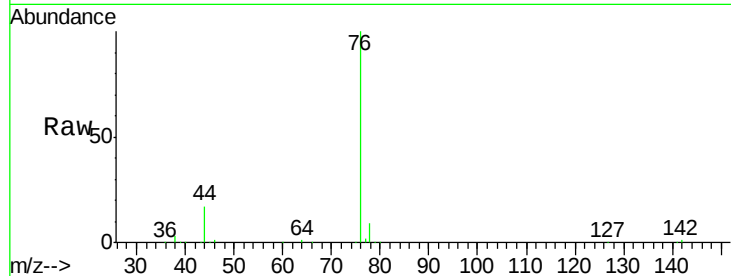
#17
Carbon Disulfide
Concen: 52.546 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

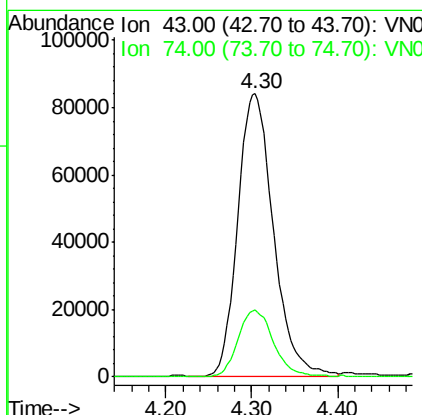
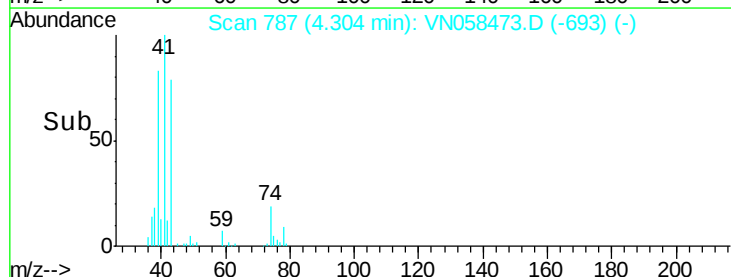
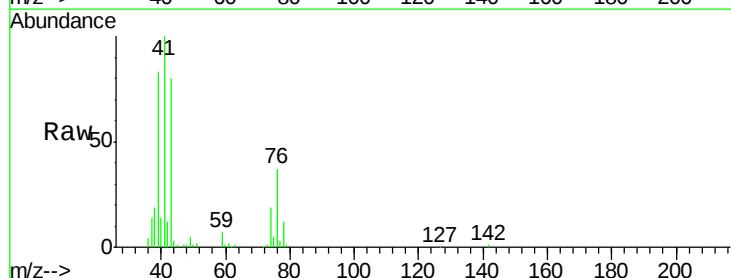
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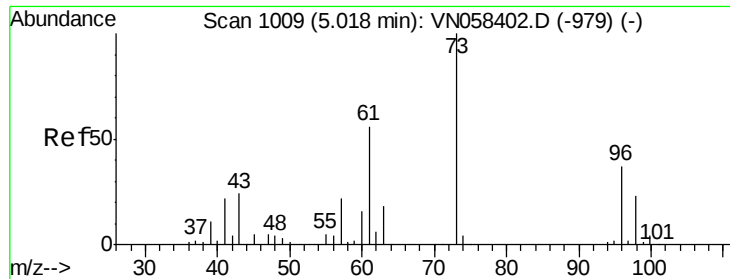
MMDadoda
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#18
Methyl Acetate
Concen: 53.841 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.0	27.0





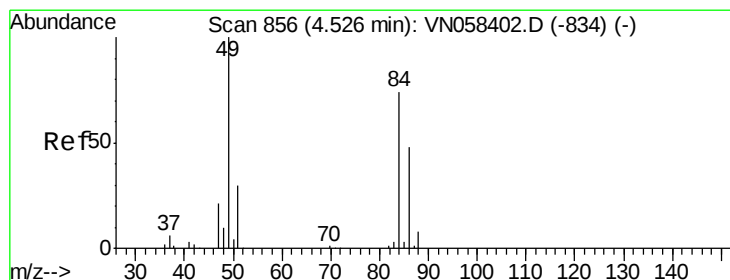
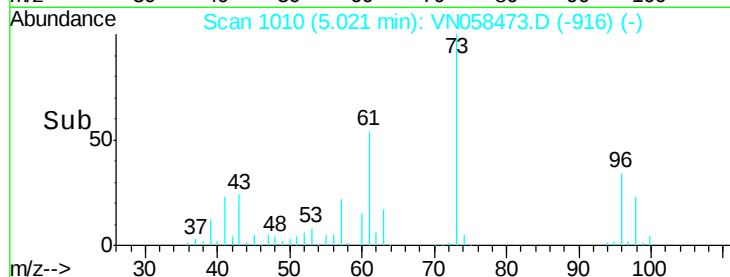
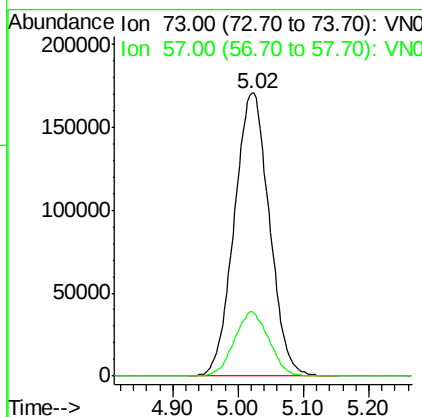
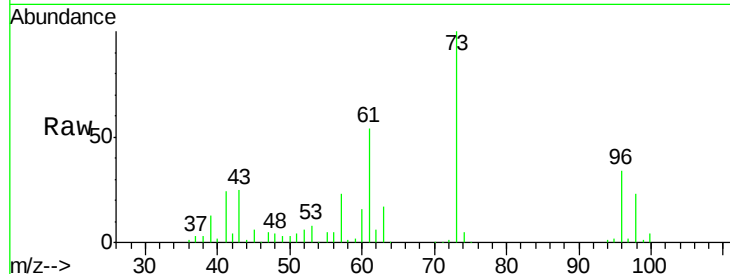
#19
Methvl tert-butvl Ether
Concen: 53.462 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 636629
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

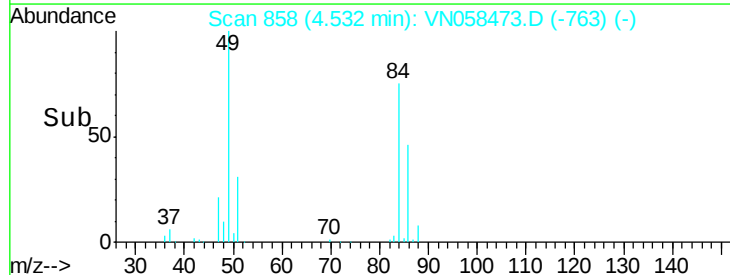
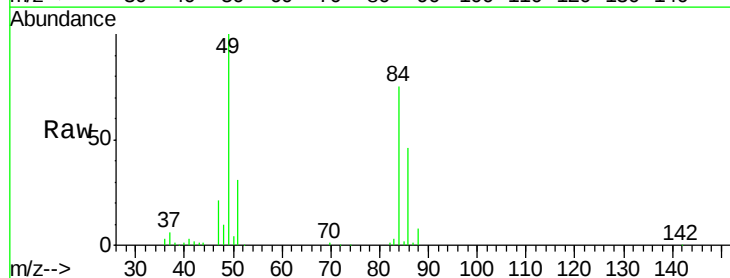
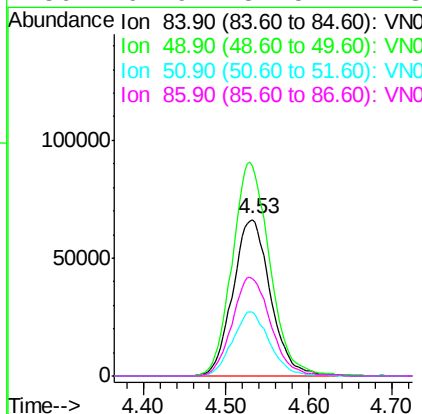
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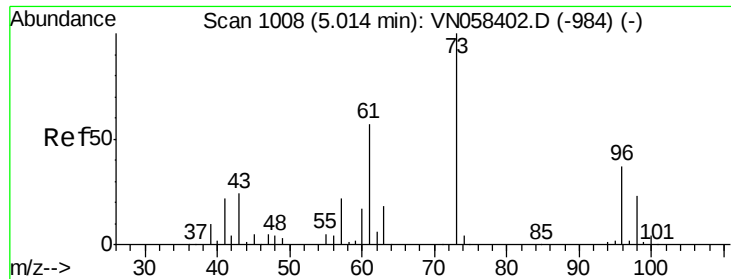
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#20
Methylene Chloride
Concen: 51.074 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion: 84 Resp: 210059
Ion Ratio Lower Upper
84 100
49 133.8 107.9 161.9
51 41.0 32.8 49.2
86 61.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 52.209 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 195939

Ion Ratio Lower Upper

96 100

61 151.6 121.9 182.9

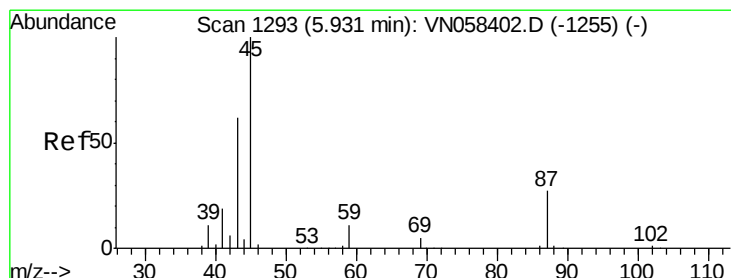
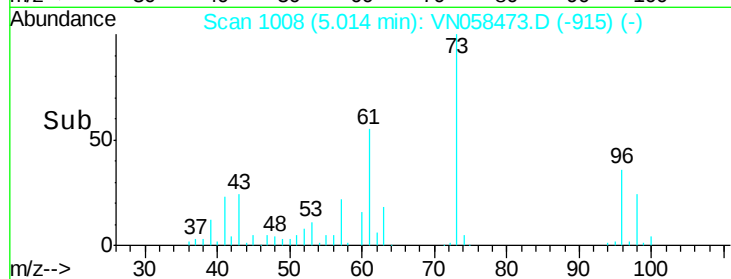
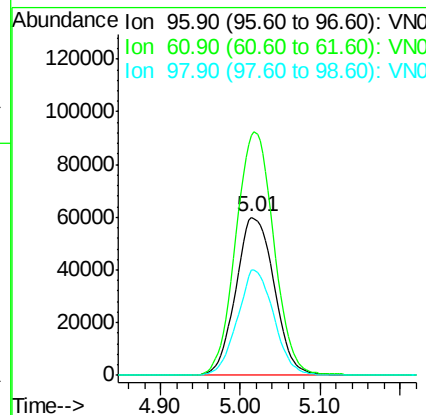
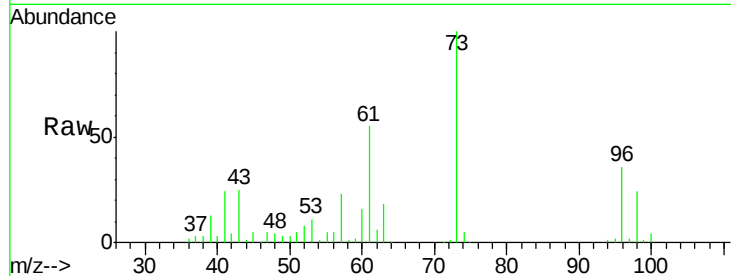
98 66.2 49.3 73.9

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#22

Diisopropyl ether

Concen: 54.816 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion: 45 Resp: 724498

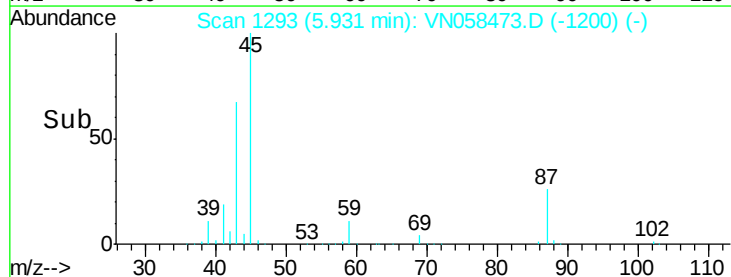
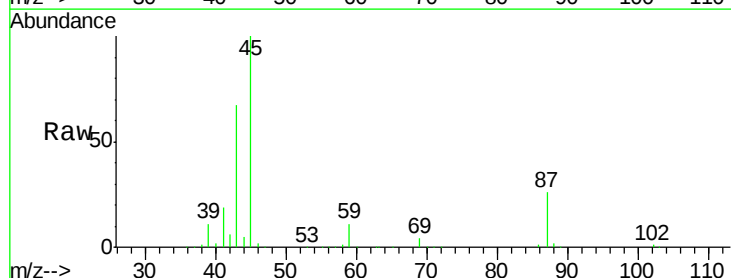
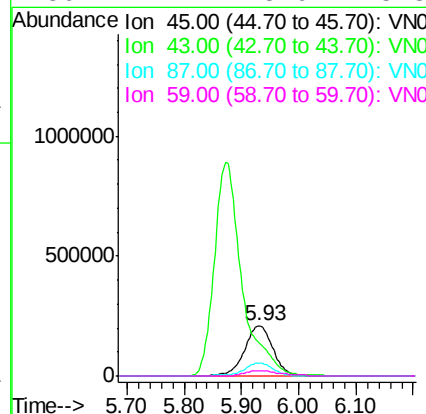
Ion Ratio Lower Upper

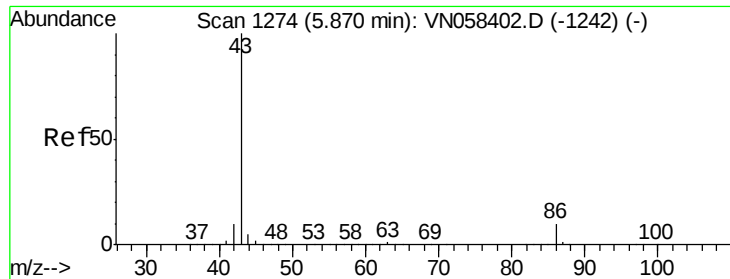
45 100

43 65.6 49.7 74.5

87 25.7 21.5 32.3

59 11.4 8.9 13.3





#23

Vinyl Acetate

Concen: 299.487 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2984572

Ion Ratio Lower Upper

43 100

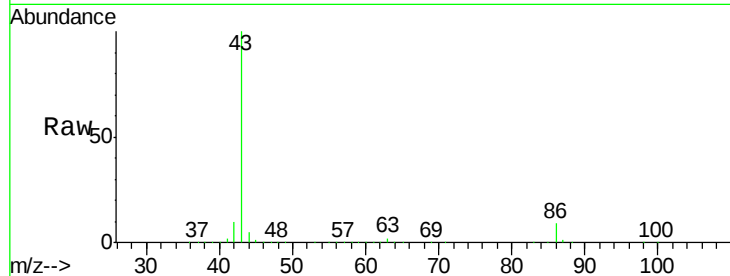
86 9.1 7.7 11.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

600000

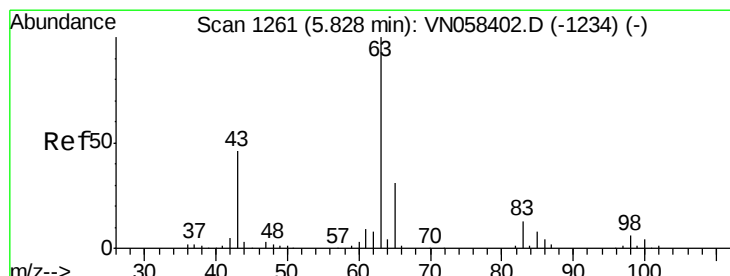
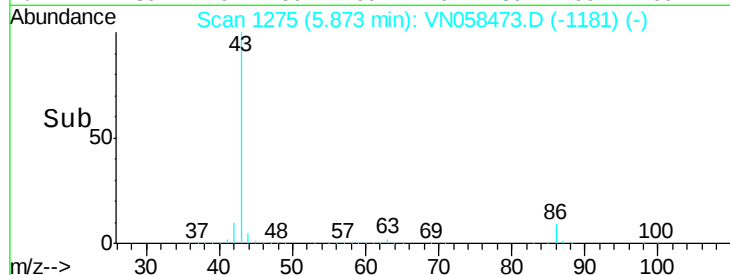
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 54.030 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

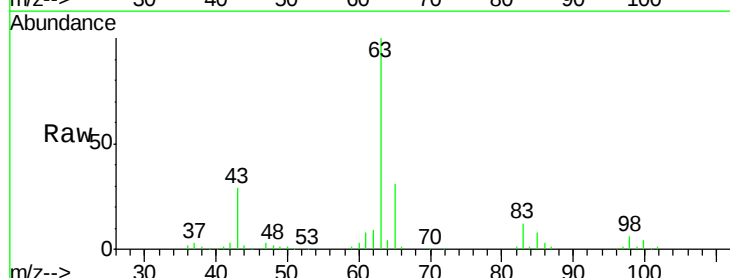
Tgt Ion: 63 Resp: 401890

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.6 2.0 5.8



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

150000

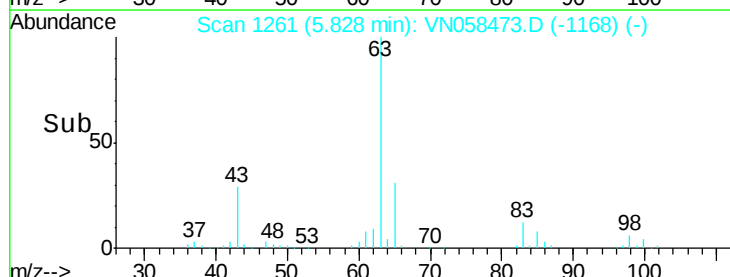
100000

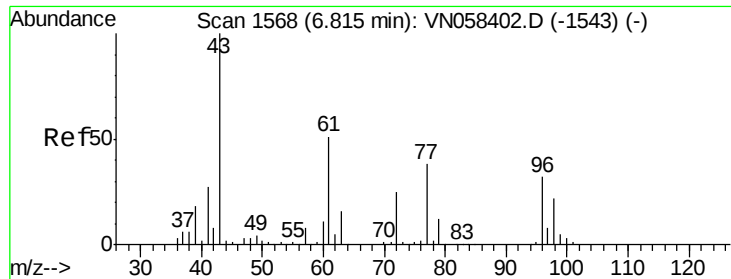
50000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 286.847 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 701891

Ion Ratio Lower Upper

43 100

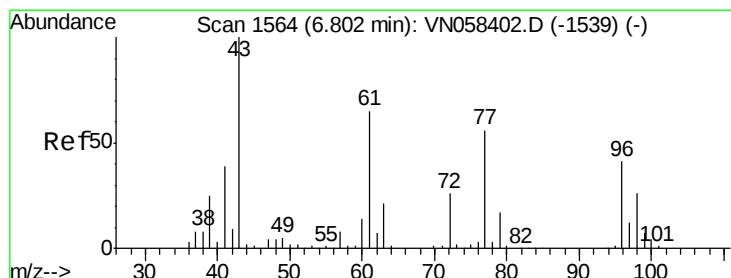
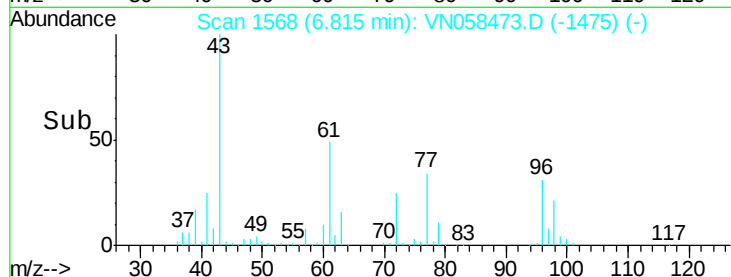
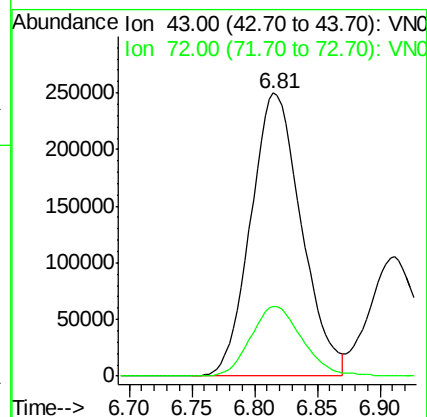
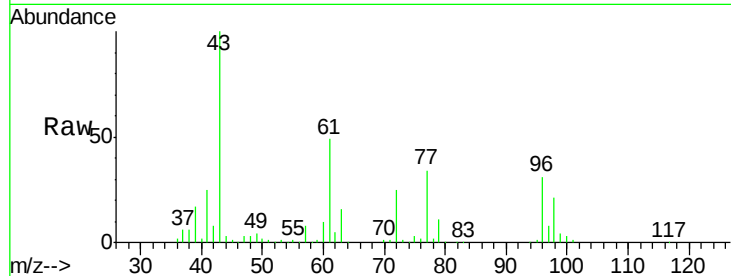
72 24.5 20.2 30.4

Manual Integrations

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MMDadoda

10/3/2019 12:36:08 PM



#26

2,2-Dichloropropane

Concen: 48.287 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058473.D

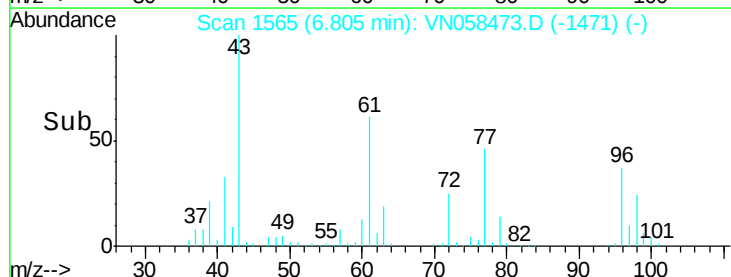
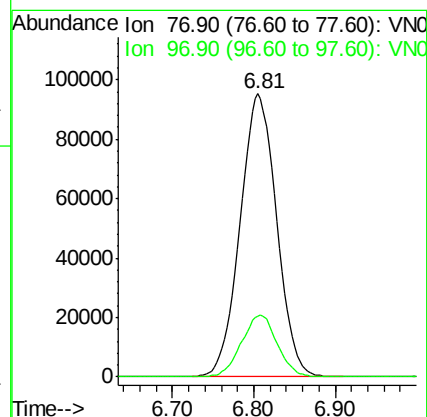
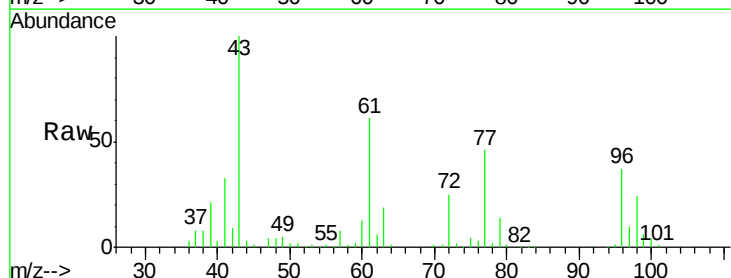
Acq: 1 Oct 2019 19:37

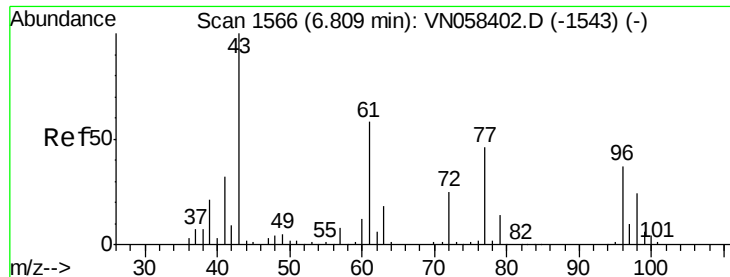
Tgt Ion: 77 Resp: 295281

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.935 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

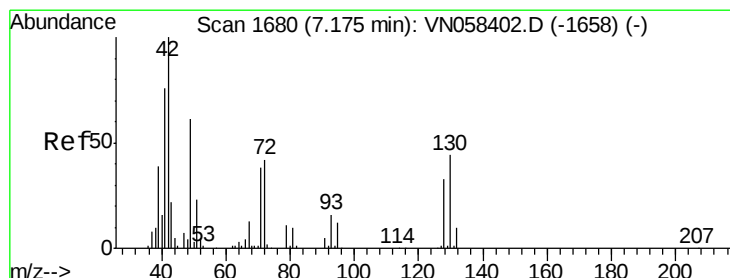
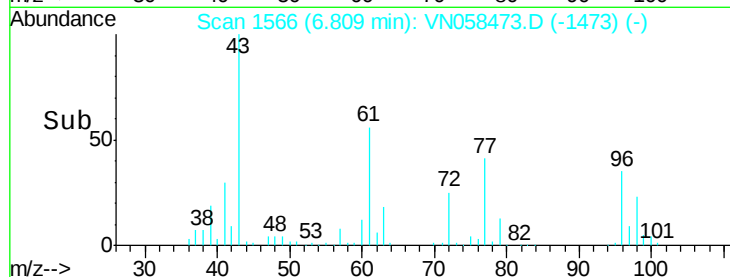
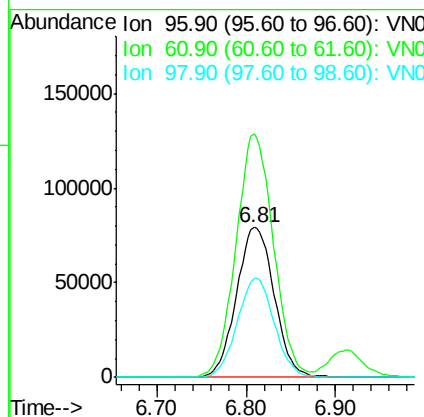
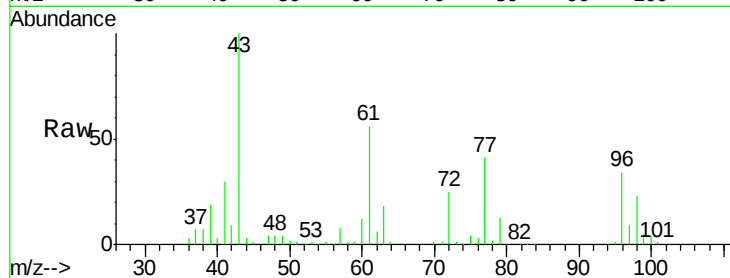
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	232190
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	318.8
98	65.0	0.0	129.8

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#28

Bromochloromethane

Concen: 55.748 ug/l

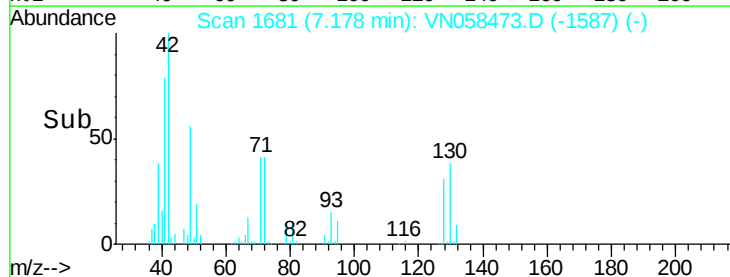
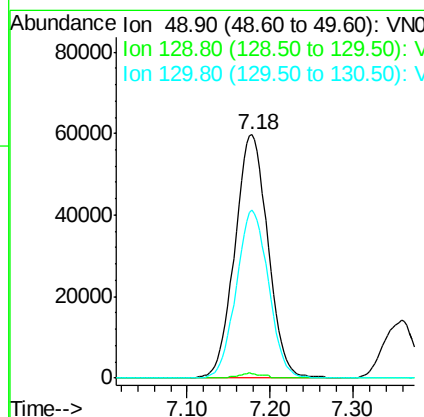
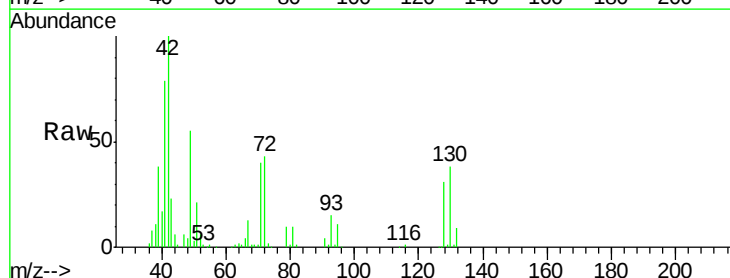
RT: 7.18 min Scan# 1681

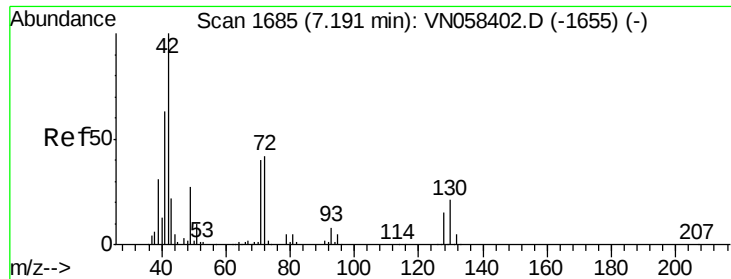
Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion:	49	Resp:	165756
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	67.1	56.3	84.5





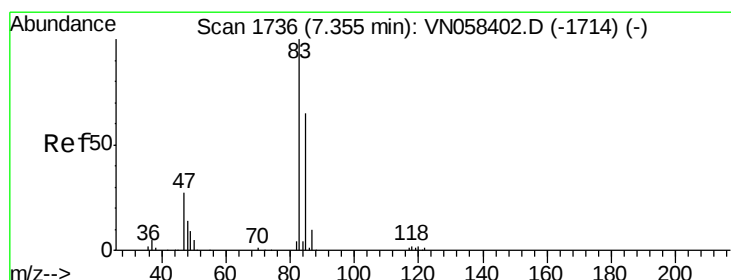
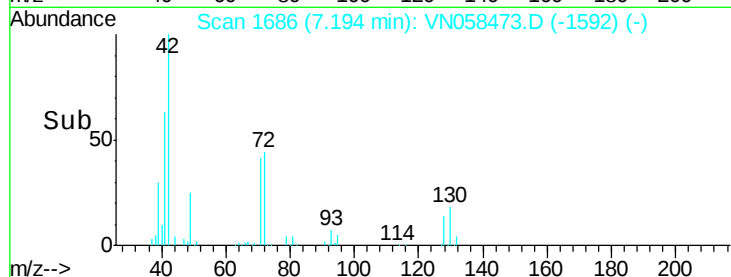
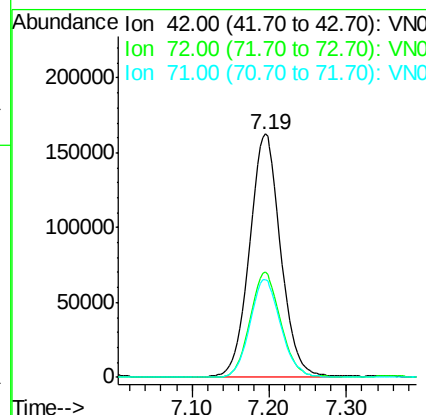
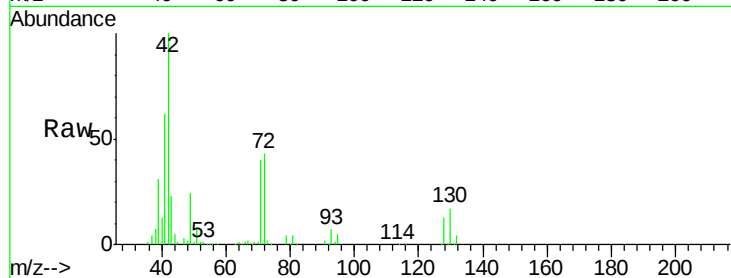
#29
Tetrahydrofuran
Concen: 294.405 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.7	31.8	47.6

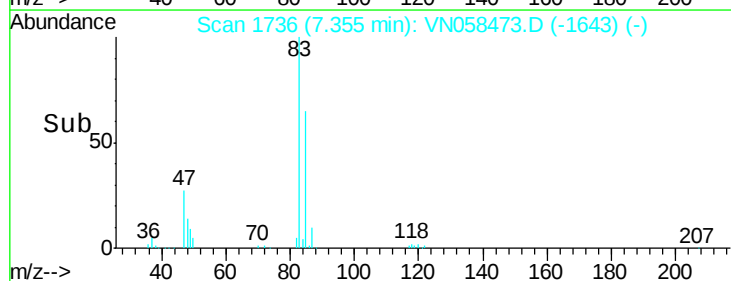
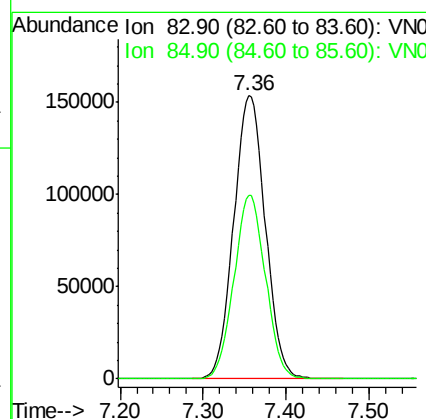
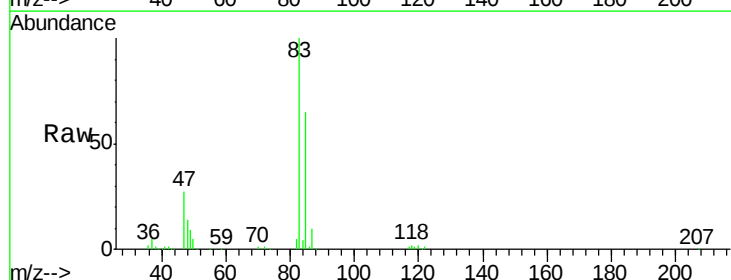
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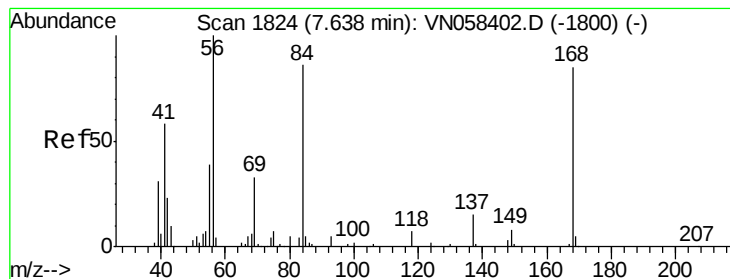
MMDadoda
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#30
Chloroform
Concen: 54.121 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.0	78.0





#31

Cyclohexane

Concen: 51.052 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

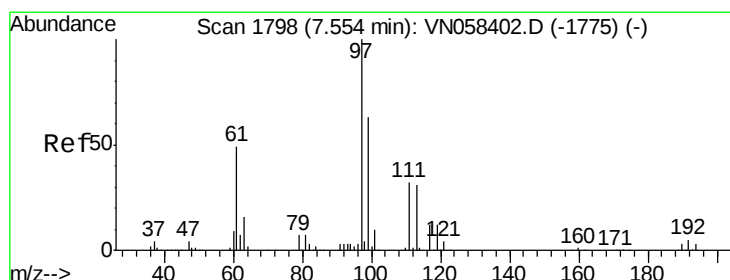
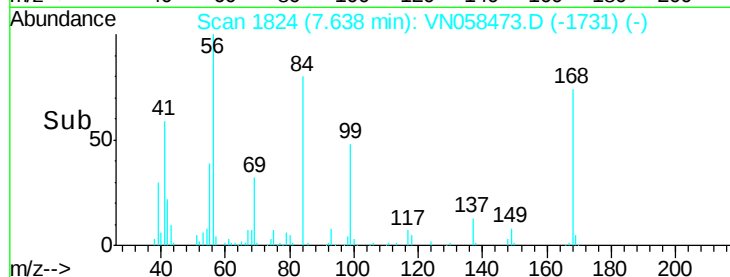
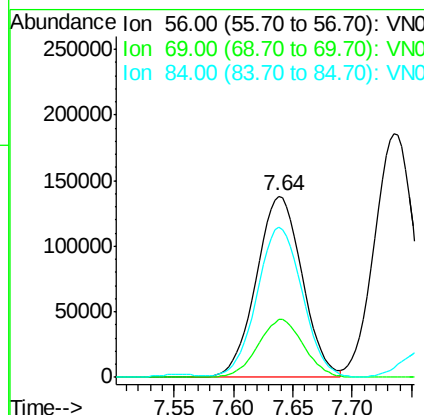
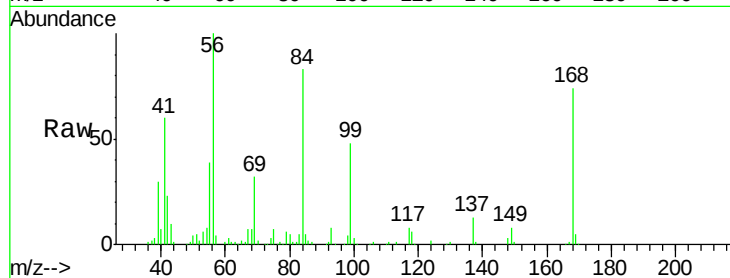
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	369387
Ion Ratio	Lower	Upper	
56	100		
69	31.7	26.2	39.4
84	81.4	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 55.602 ug/l

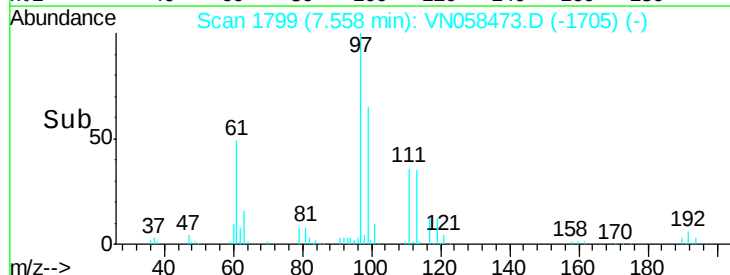
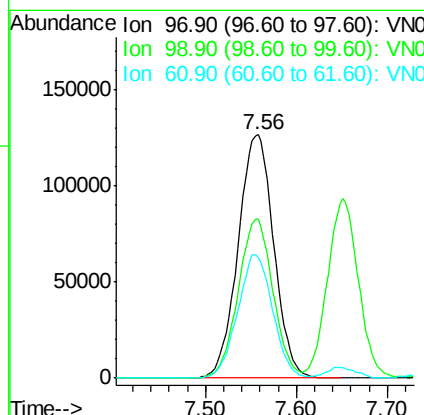
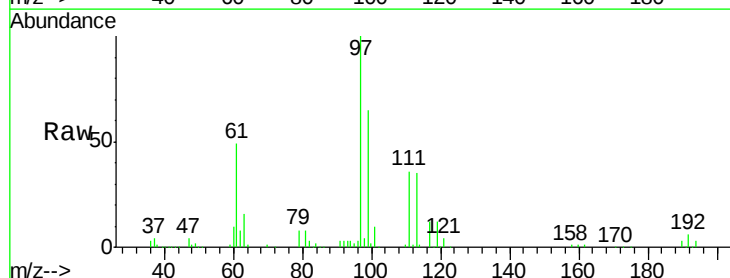
RT: 7.56 min Scan# 1799

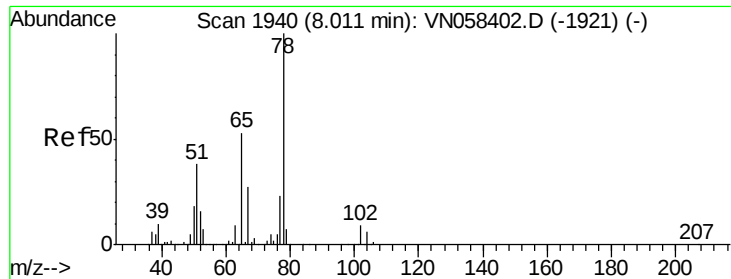
Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion:	97	Resp:	344160
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.1	76.7
61	49.8	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 52.834 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 276220

Ion Ratio Lower Upper

65 100

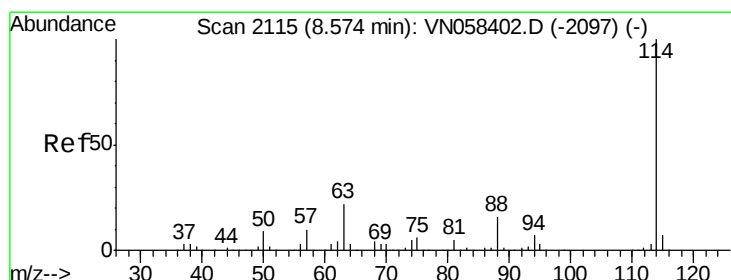
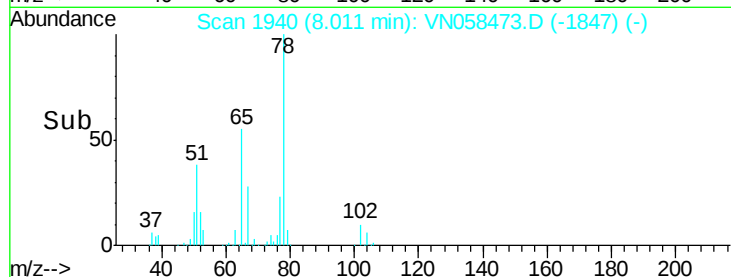
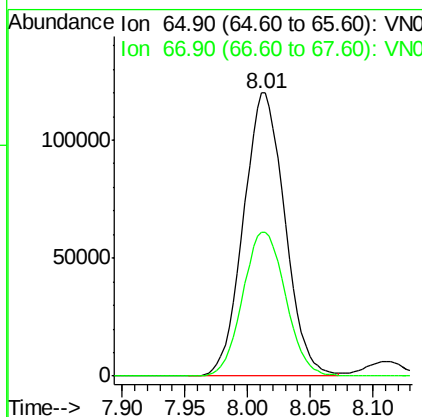
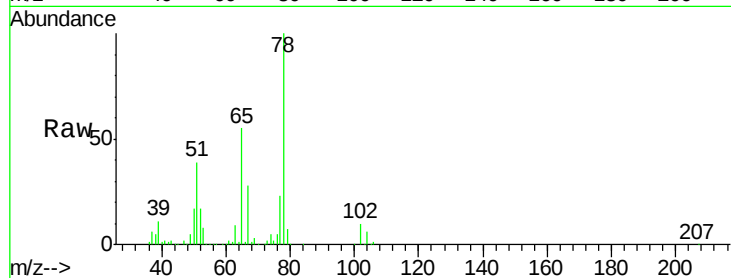
67 52.6 0.0 102.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

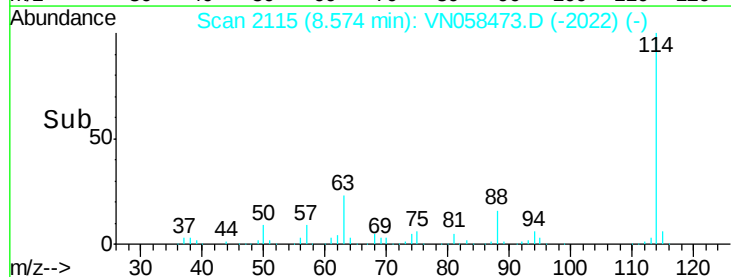
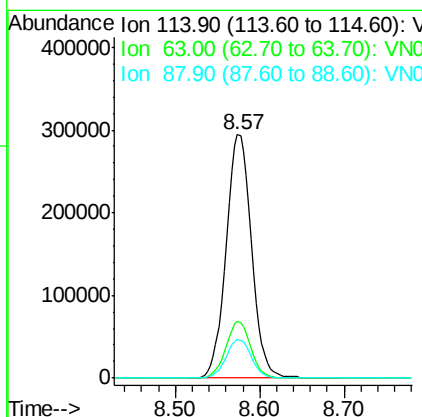
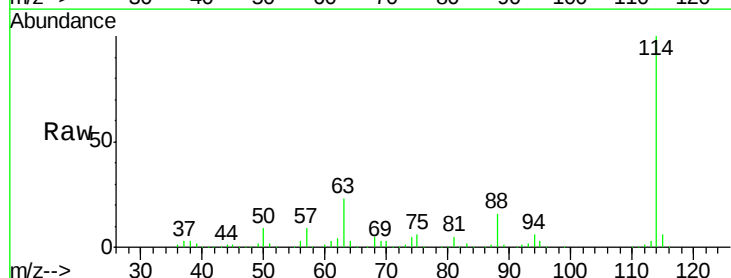
Tgt Ion: 114 Resp: 617816

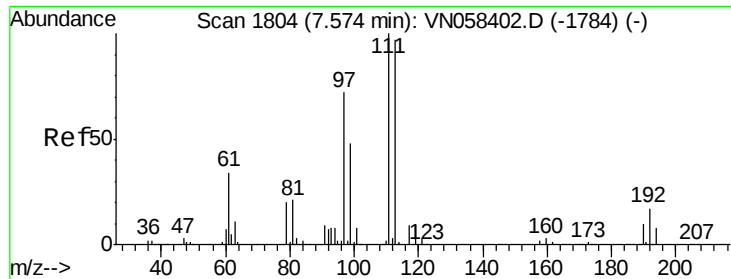
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

88 15.8 0.0 32.2





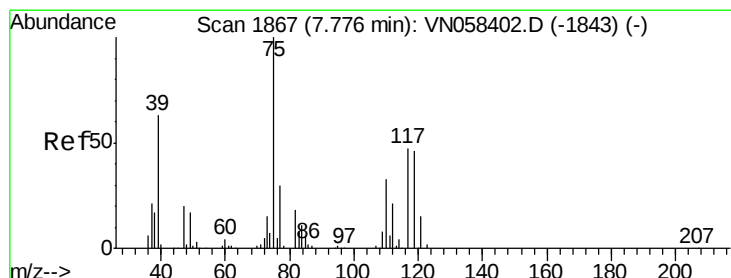
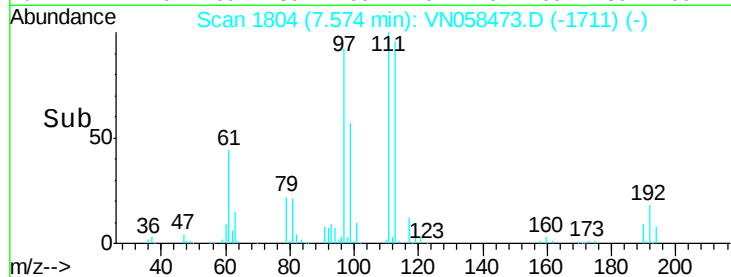
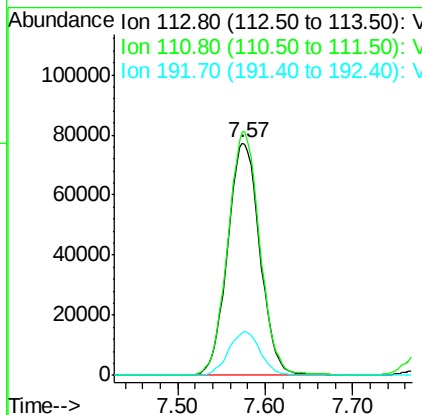
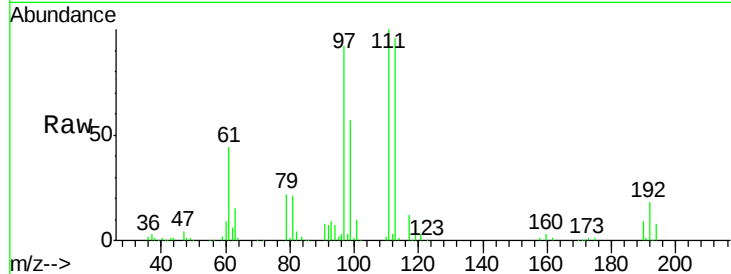
#35
 Dibromofluoromethane
 Concen: 52.302 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198044		
111	104.4	83.4	125.2	
192	18.4	14.9	22.3	

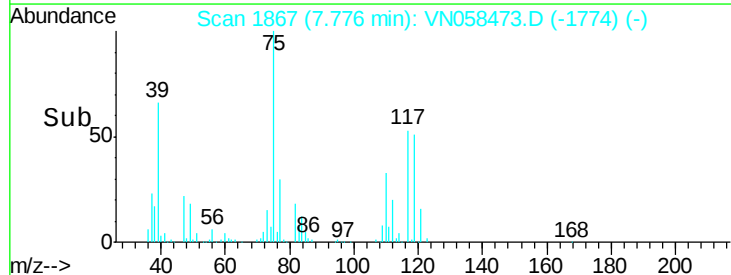
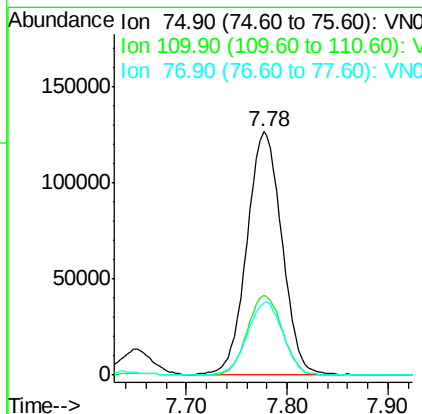
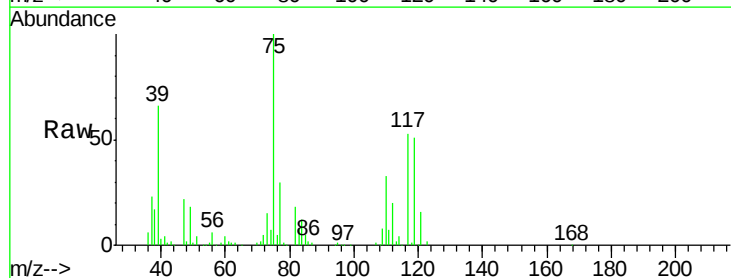
Manual Integrations
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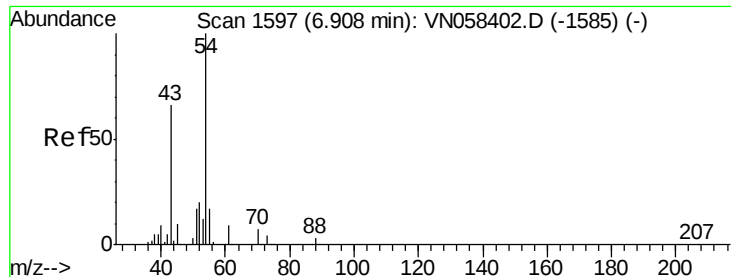
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#36
 1,1-Dichloropropene
 Concen: 51.245 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	302731		
110	33.0	16.4	49.2	
77	31.1	24.3	36.5	





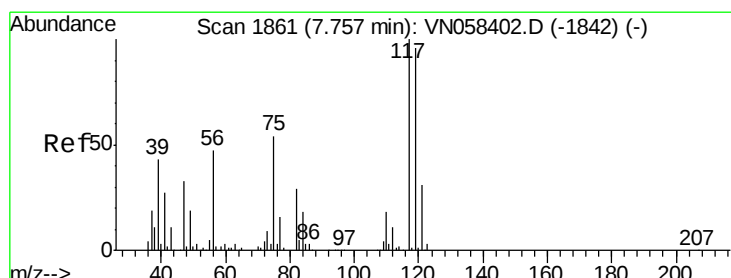
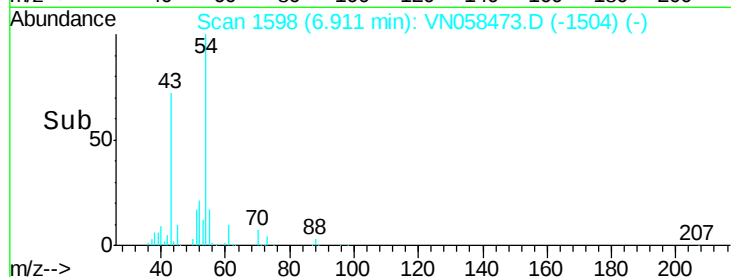
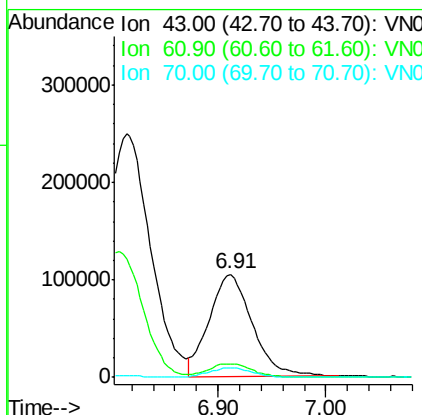
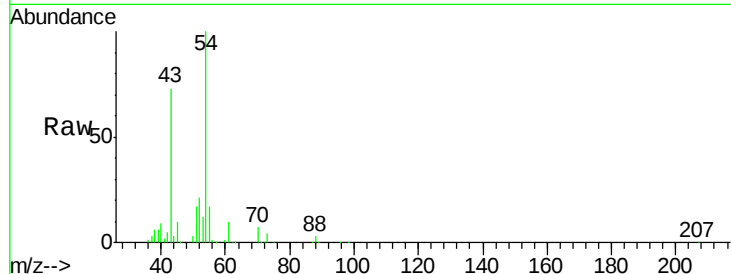
#37
Ethyl Acetate
Concen: 57.935 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.0	7.8	11.6

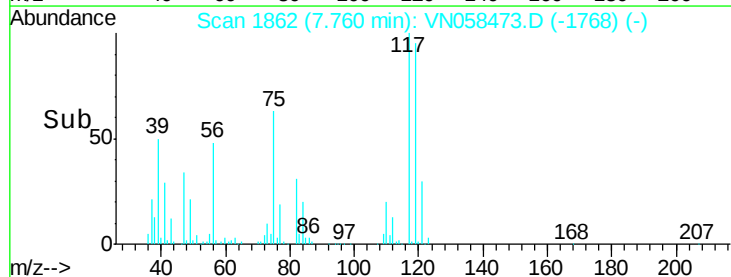
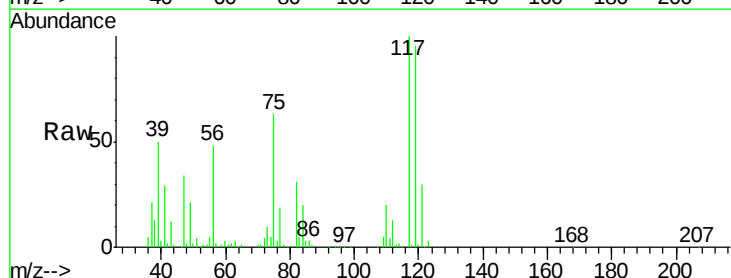
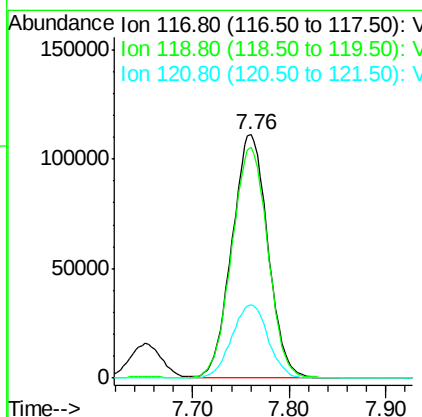
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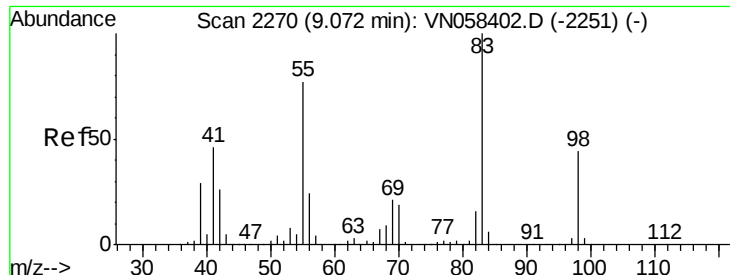
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#38
Carbon Tetrachloride
Concen: 53.924 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.6	115.0
121	30.3	24.7	37.1





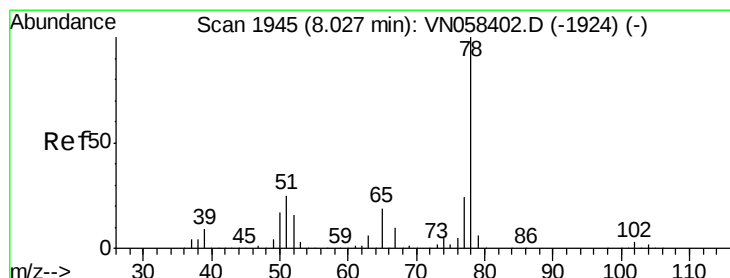
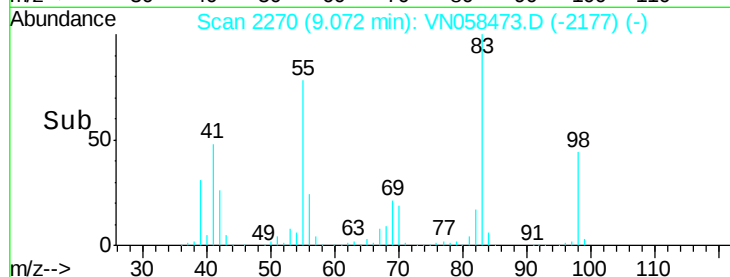
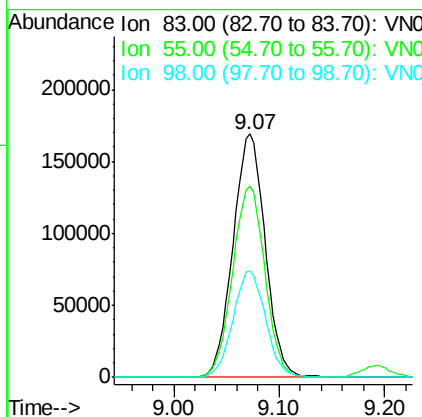
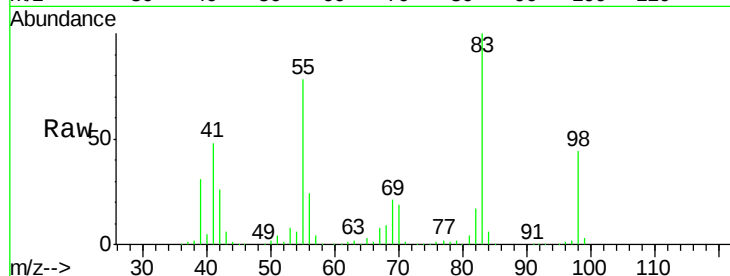
#39
Methvlcvclohexane
Concen: 52.021 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	358876
Ion Ratio	Lower	Upper	
83	100		
55	78.5	61.8	92.6
98	43.8	35.4	53.0

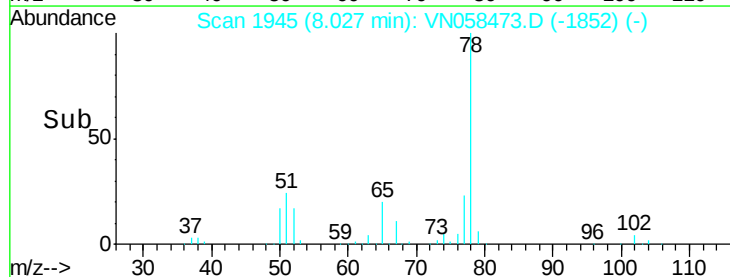
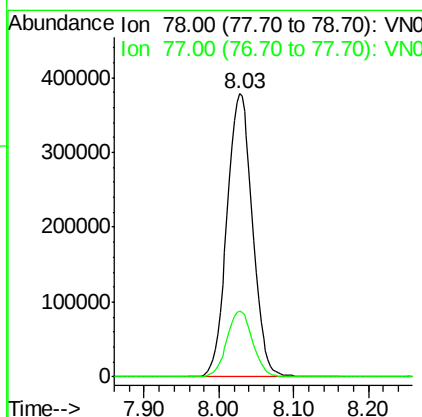
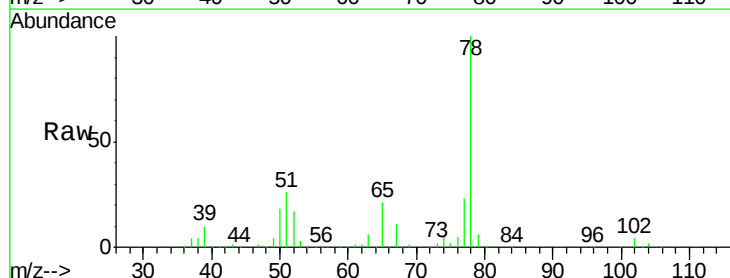
Manual Integrations
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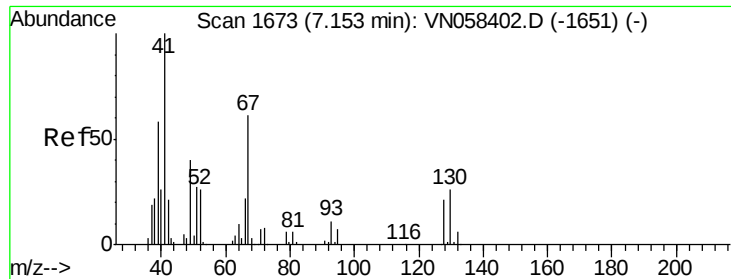
MMDadoda
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#40
Benzene
Concen: 52.708 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	78	Resp	895039
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.9	28.3





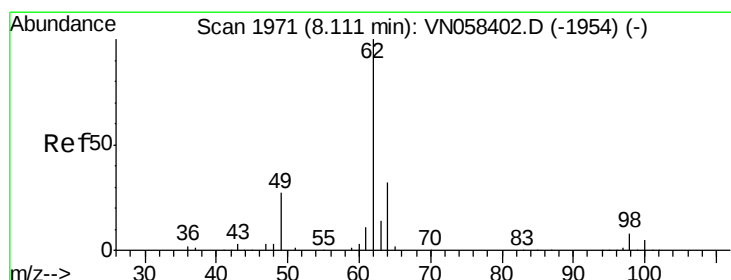
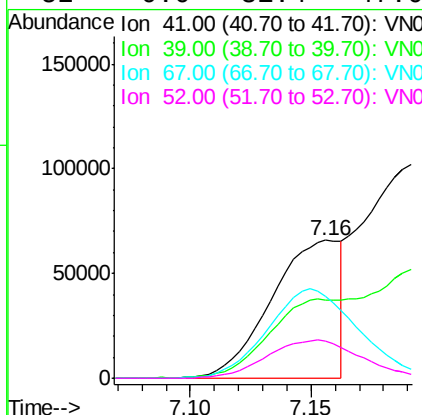
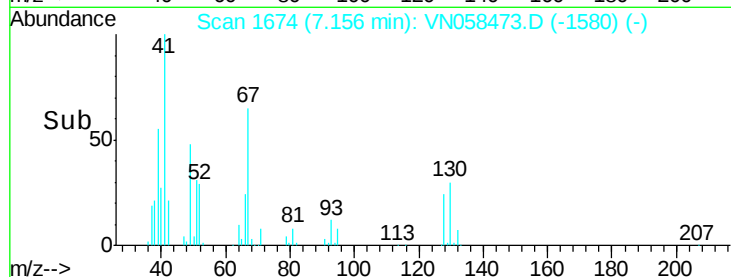
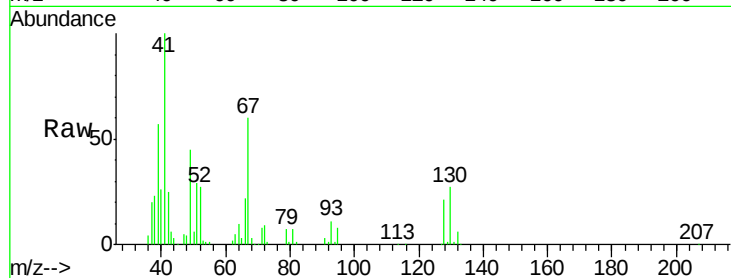
#41
Methacrylonitrile
Concen: 56.923 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

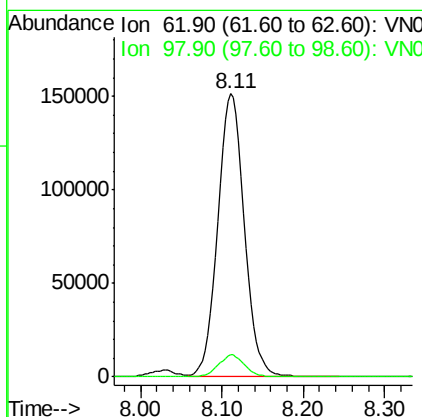
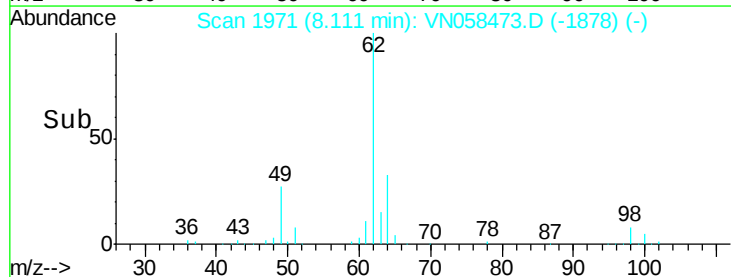
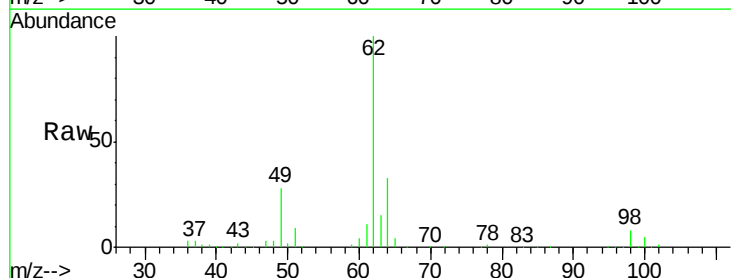
Manual Integrations
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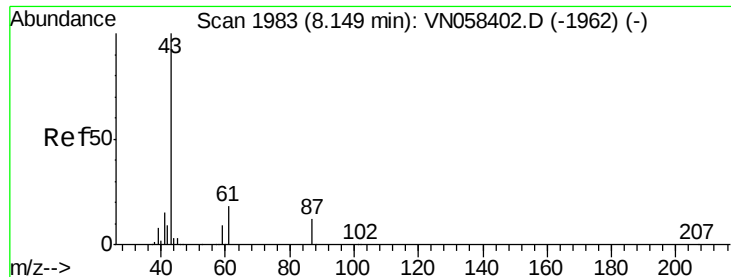
MMDadoda
10/3/2019 12:36:08 PM



#42
1,2-Dichloroethane
Concen: 52.970 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





#43

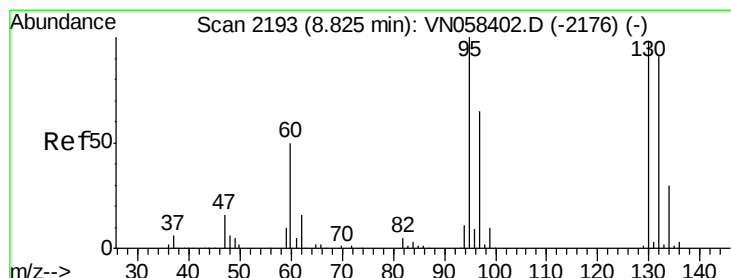
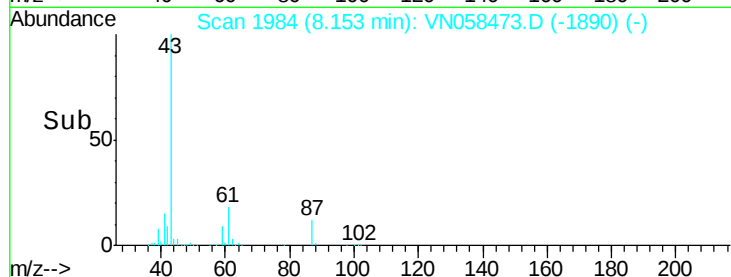
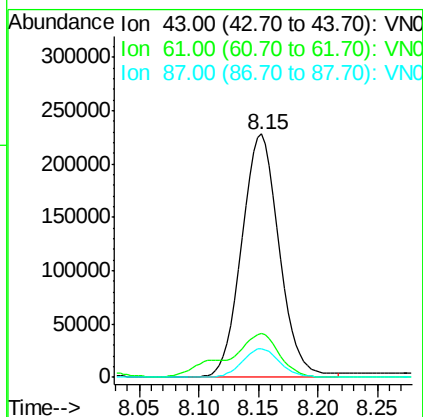
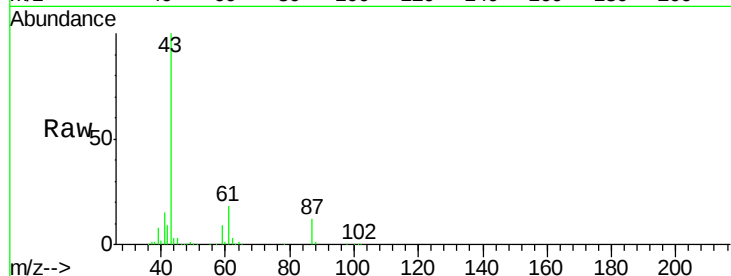
Isopropyl Acetate
 Concen: 52.596 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.8	22.2
87	11.8	9.7	14.5

Manual Integrations
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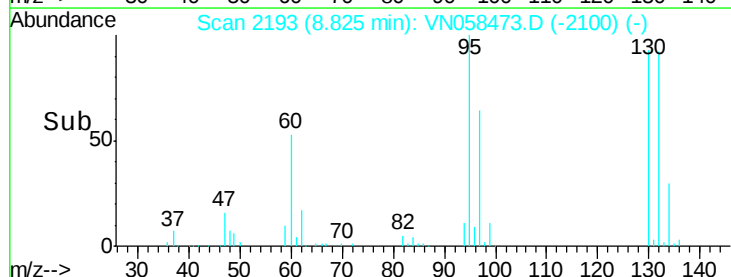
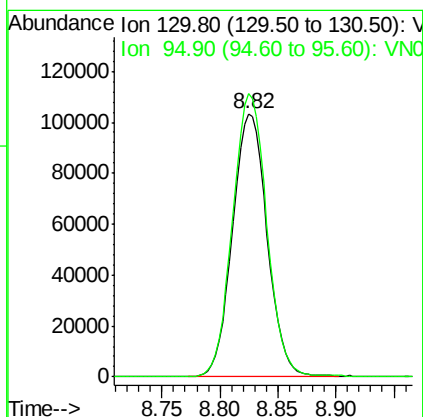
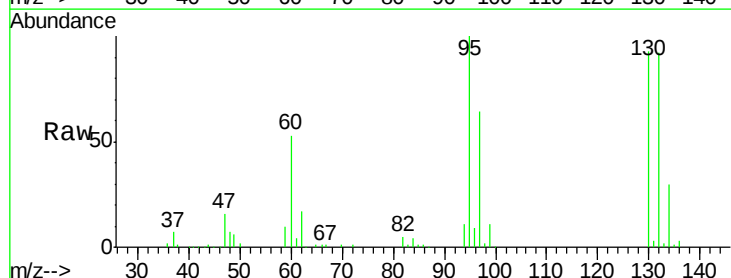
MMDadoda
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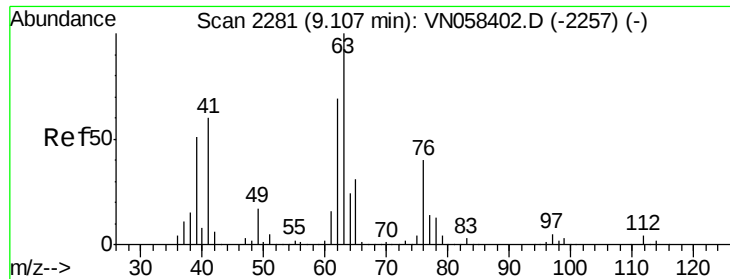


#44

Trichloroethene
 Concen: 51.210 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	204.2





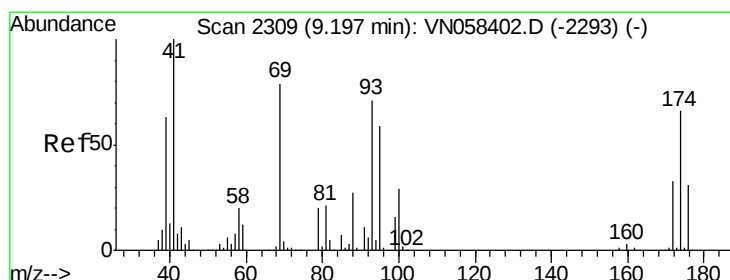
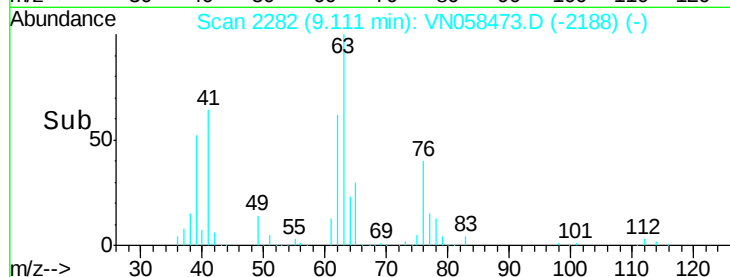
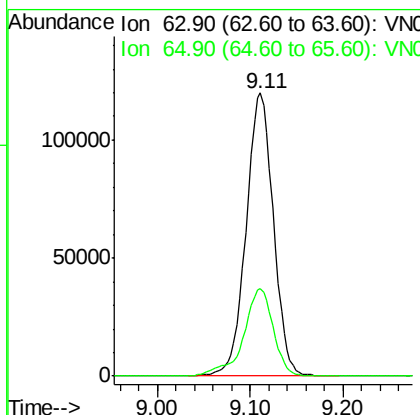
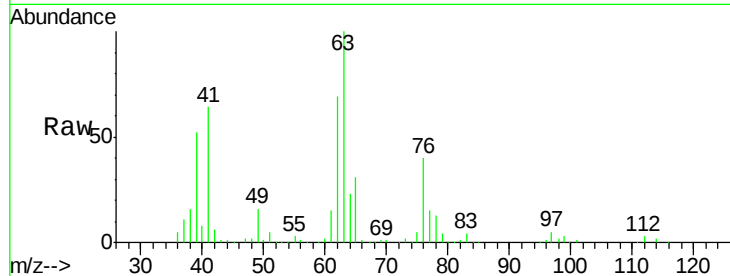
#45
 1,2-Dichloropropane
 Concen: 53.780 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 244925
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4

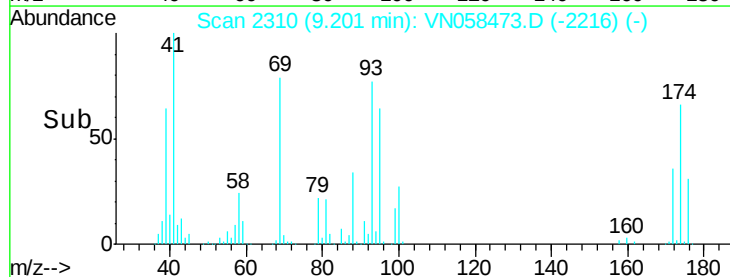
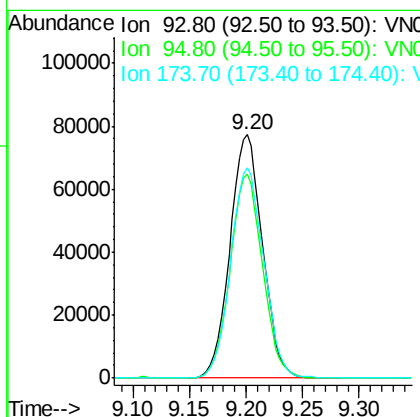
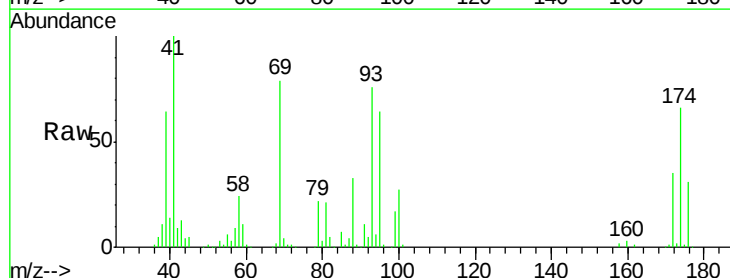
Manual Integrations
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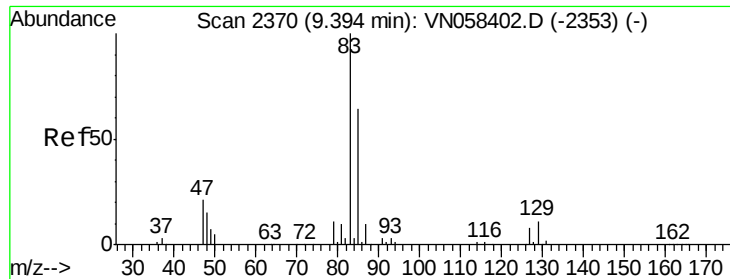
MMDadoda
 10/3/2019 12:36:08 PM



#46
 Dibromomethane
 Concen: 53.672 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion: 93 Resp: 154797
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 88.3 74.2 111.2





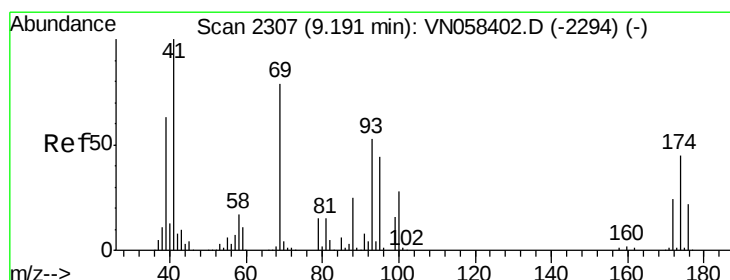
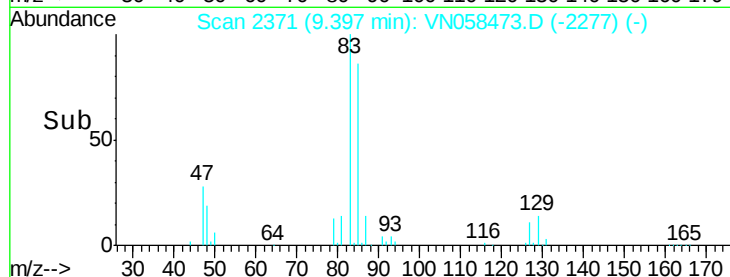
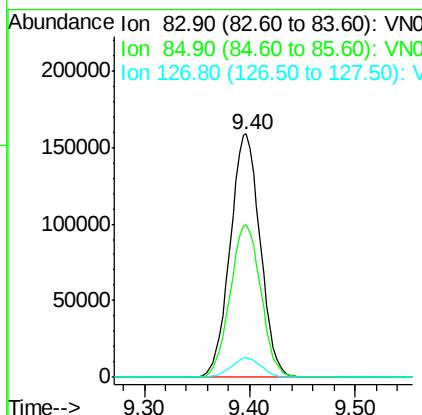
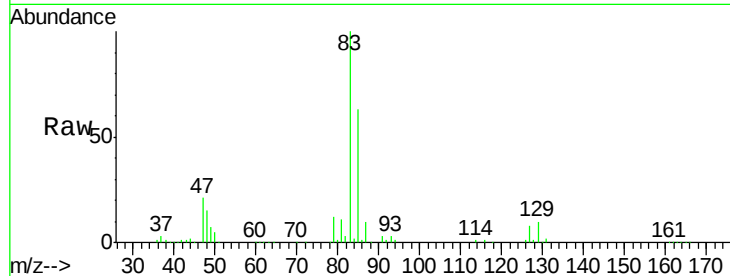
#47
Bromodichloromethane
Concen: 57.067 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	311841		
85	63.0	51.2	76.8	
127	8.0	6.3	9.5	

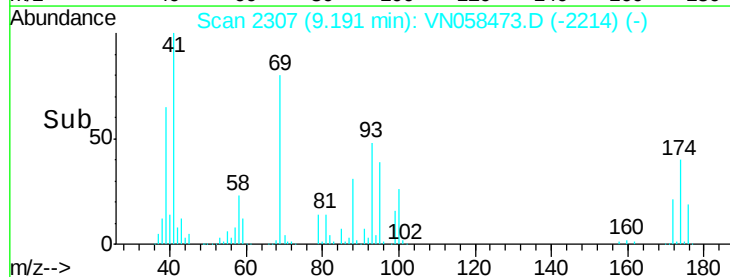
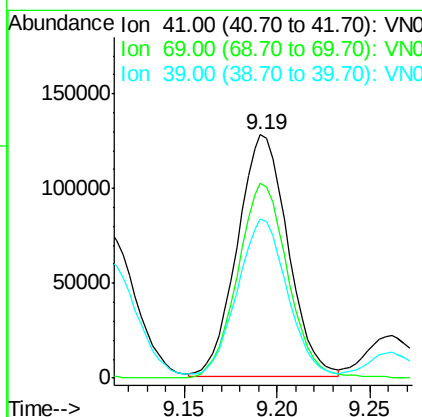
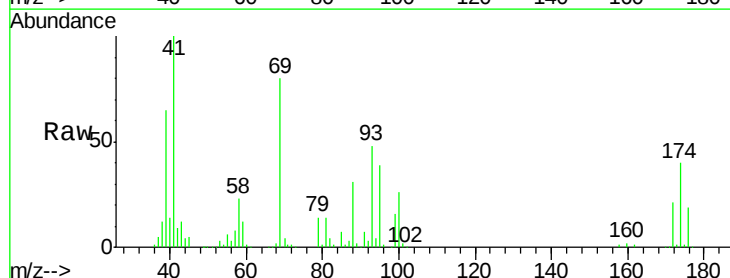
Manual Integrations
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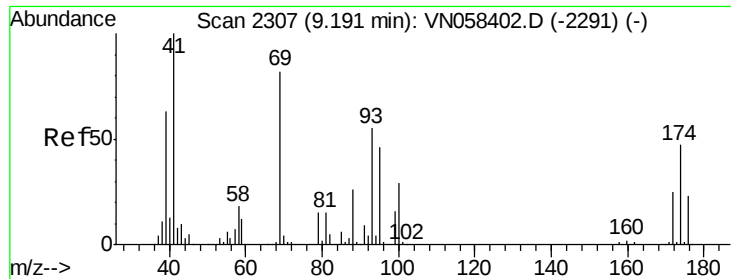
MMDadoda
10/3/2019 12:36:08 PM



#48
Methyl methacrylate
Concen: 56.594 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	242714		
69	80.2	64.7	97.1	
39	65.8	52.9	79.3	





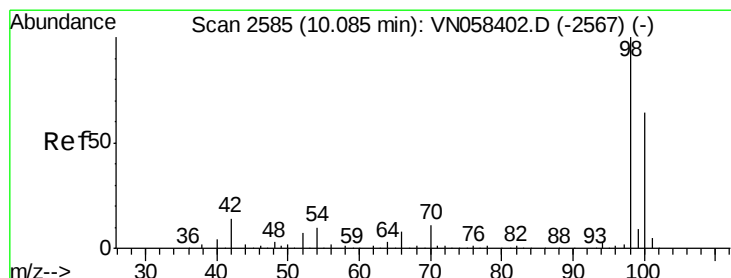
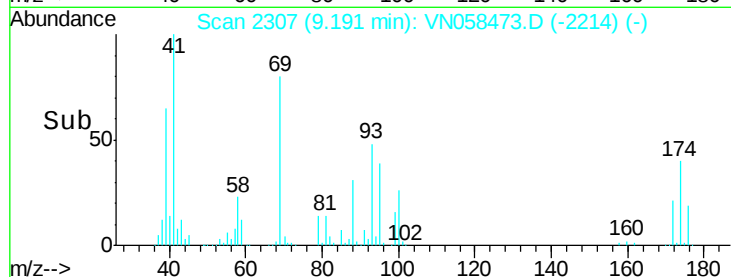
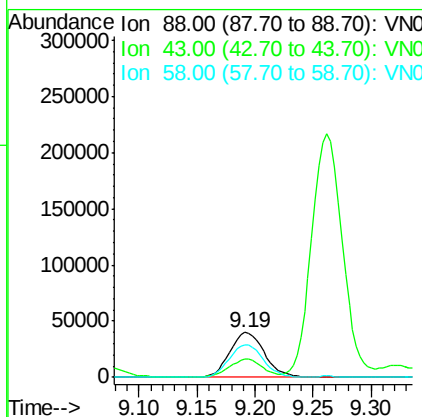
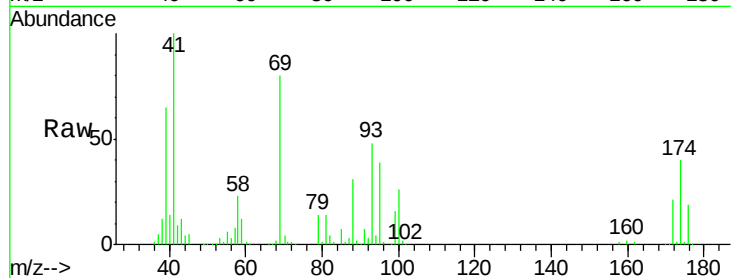
#49
1,4-Dioxane
Concen: 1462.776 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	31.1	46.7
58	71.0	58.1	87.1

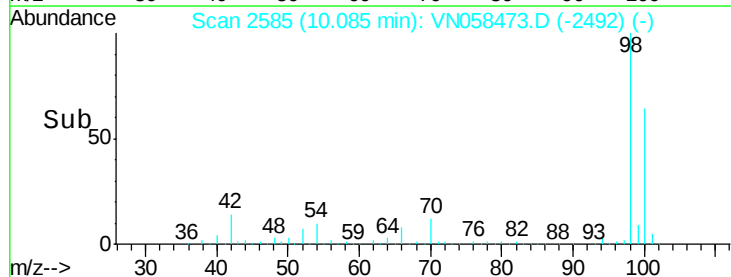
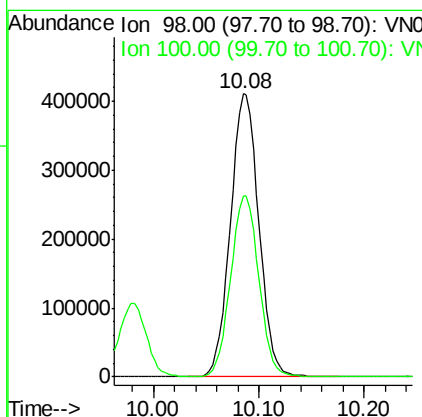
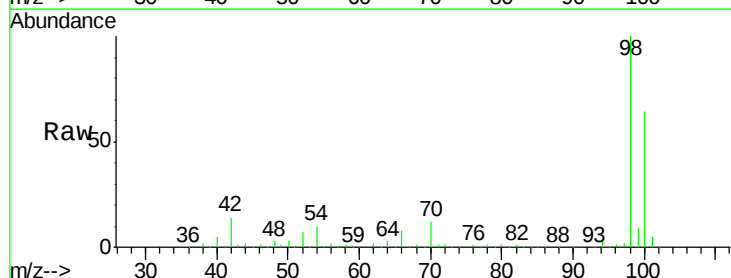
Manual Integrations
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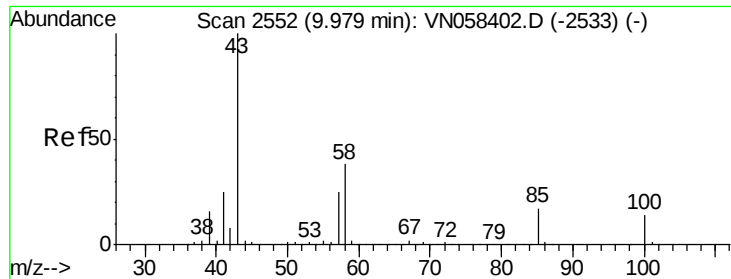
MMDadoda
10/3/2019 12:36:08 PM



#50
Toluene-d8
Concen: 51.626 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 308.758 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1493754

Ion Ratio Lower Upper

43 100

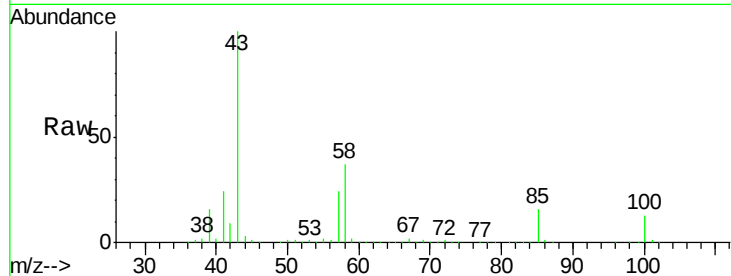
58 36.7 30.2 45.2

Manual Integrations

APPROVED

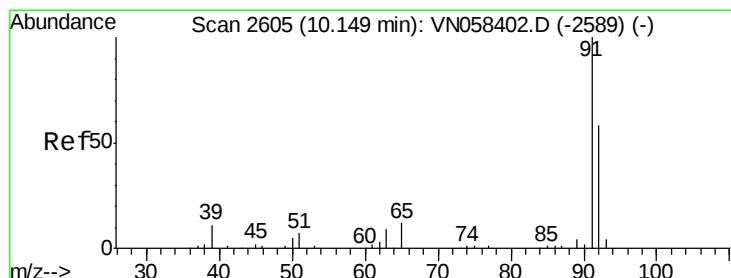
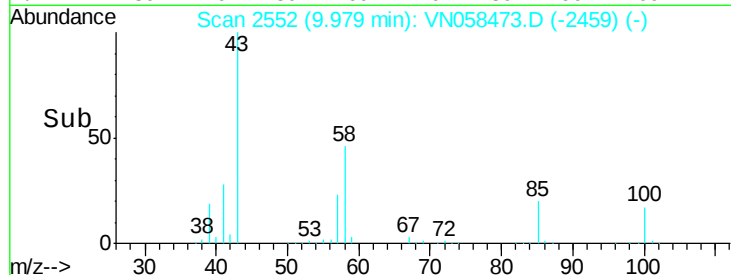
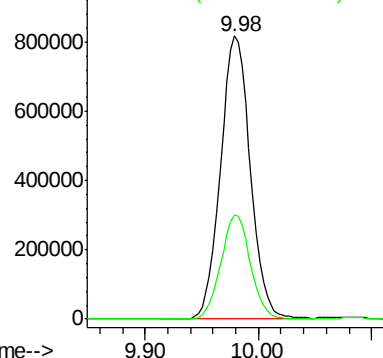
MMDadoda

10/3/2019 12:36:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.660 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058473.D

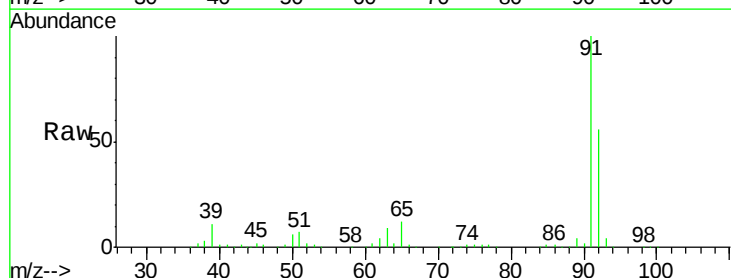
Acq: 1 Oct 2019 19:37

Tgt Ion: 92 Resp: 552162

Ion Ratio Lower Upper

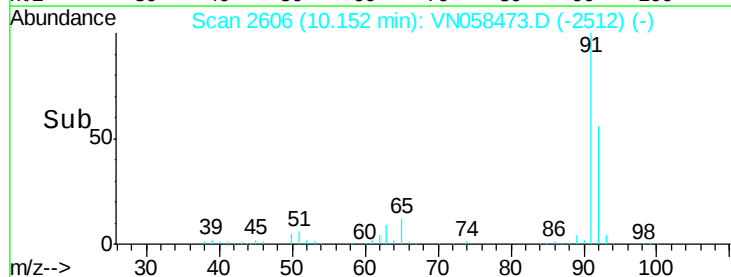
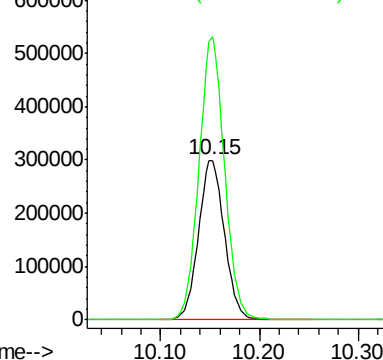
92 100

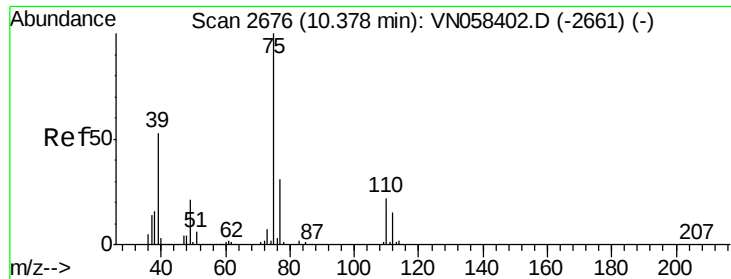
91 174.9 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





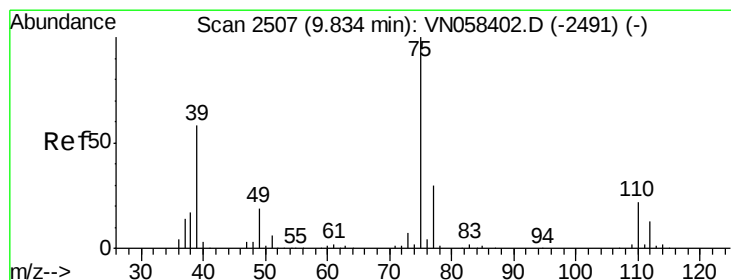
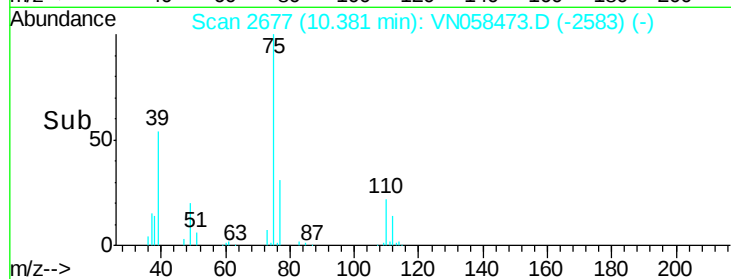
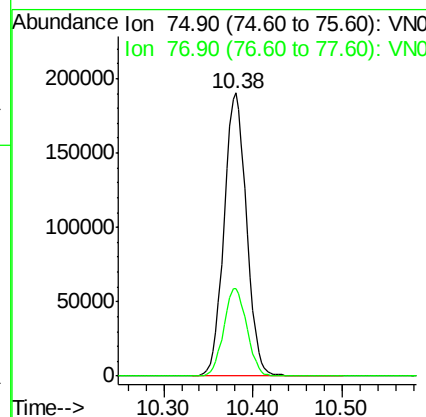
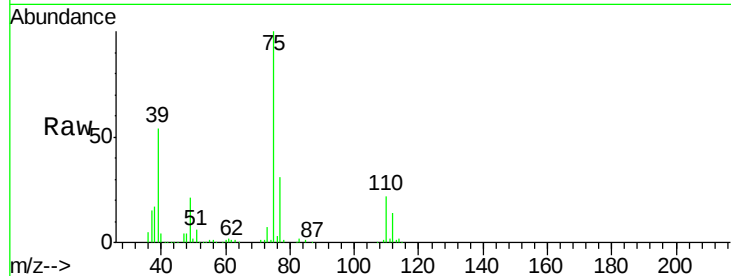
#53
t-1,3-Dichloropropene
Concen: 55.717 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 331387
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

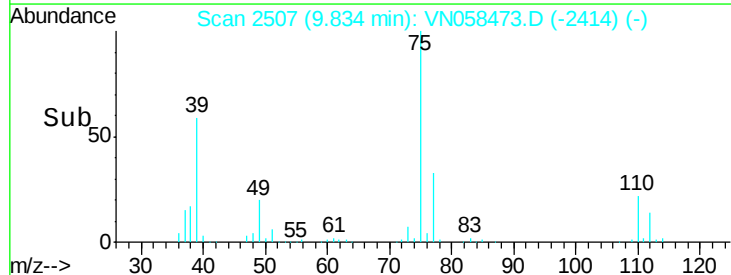
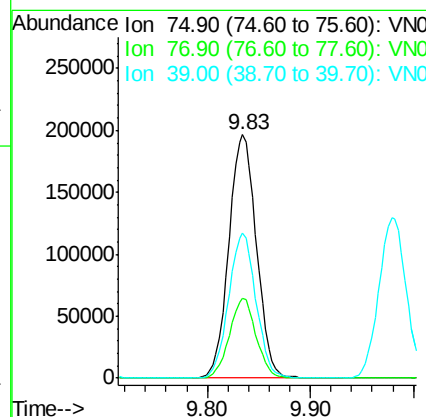
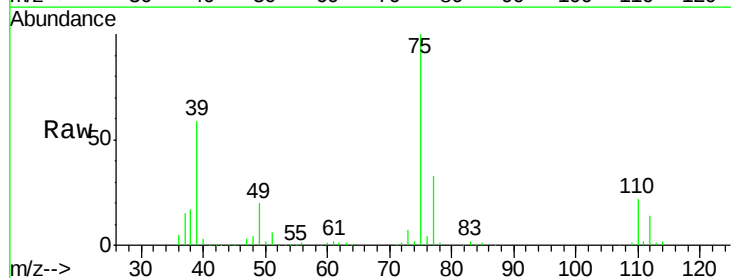
Manual Integrations
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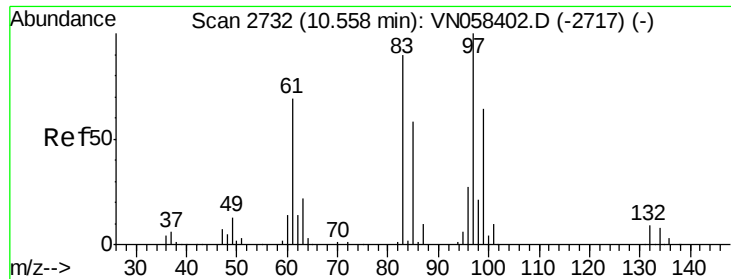
MMDadoda
10/3/2019 12:36:08 PM



#54
cis-1,3-Dichloropropene
Concen: 55.499 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion: 75 Resp: 366412
Ion Ratio Lower Upper
75 100
77 32.9 24.2 36.4
39 59.4 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 55.893 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

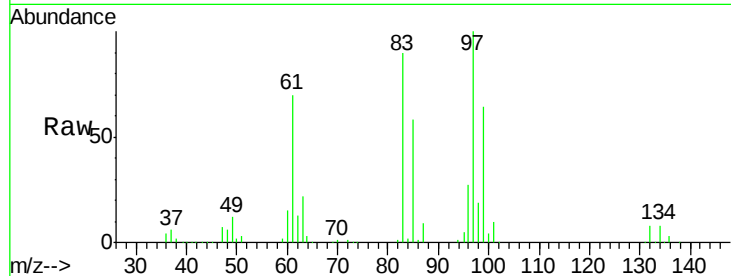
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	217526
Ion Ratio	Lower	Upper	
97	100		
83	90.0	71.8	107.6
85	58.5	46.6	69.8
99	64.0	51.5	77.3

Manual Integrations
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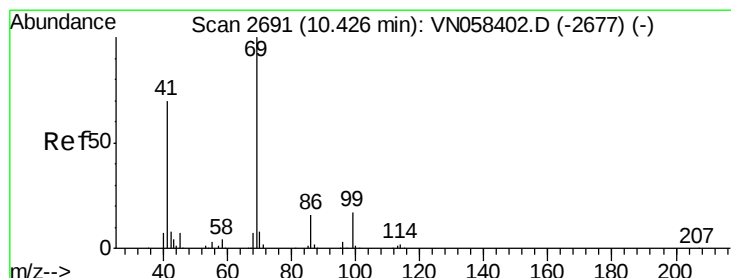
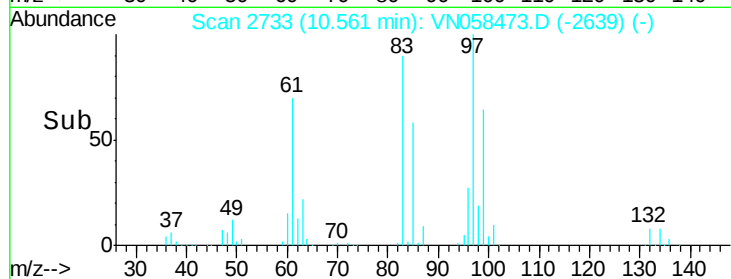
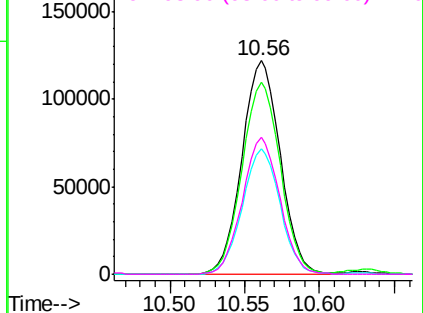


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.406 ug/l

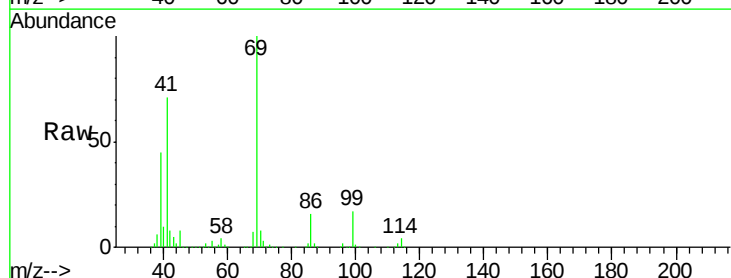
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

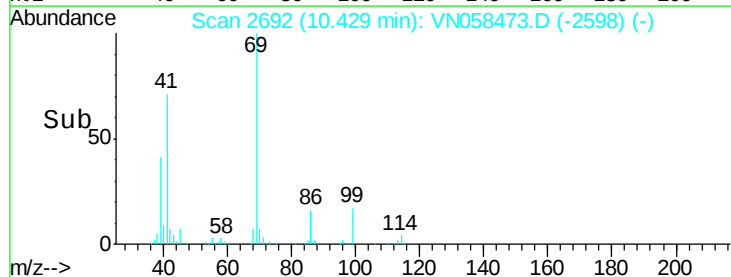
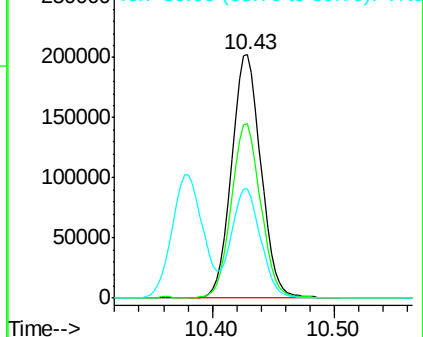
Tgt Ion:	69	Resp:	339011
Ion Ratio	Lower	Upper	
69	100		
41	70.7	56.3	84.5
39	45.1	35.8	53.6

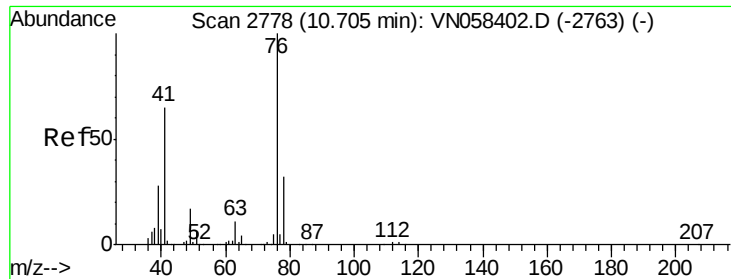


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.228 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 383383

Ion Ratio Lower Upper

76 100

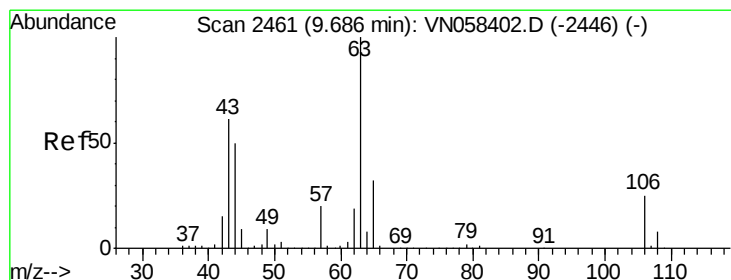
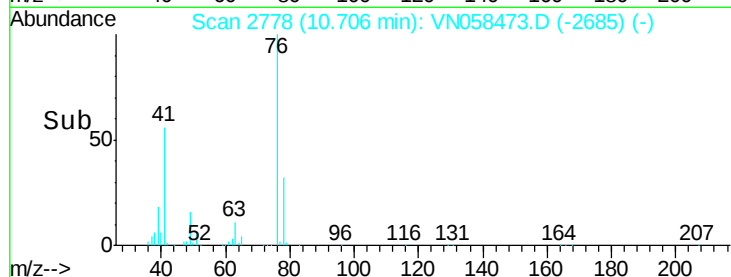
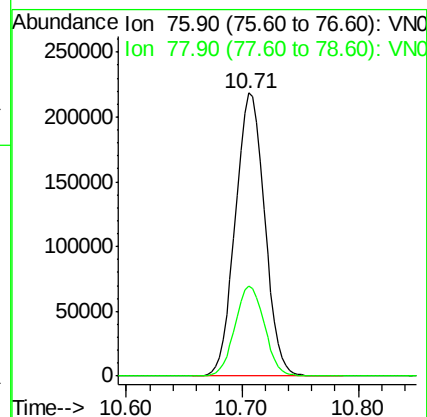
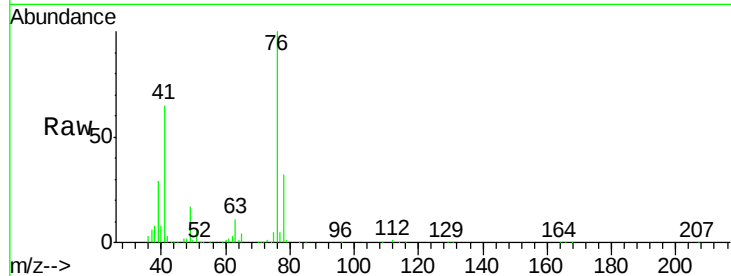
78 32.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 274.424 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058473.D

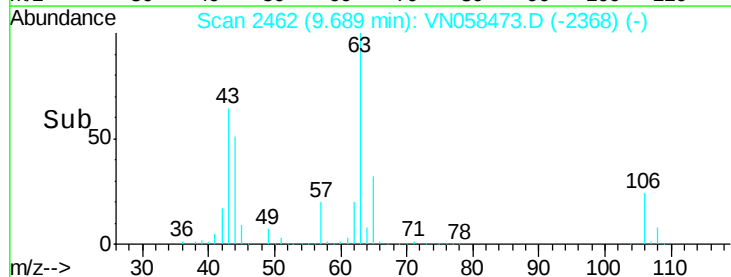
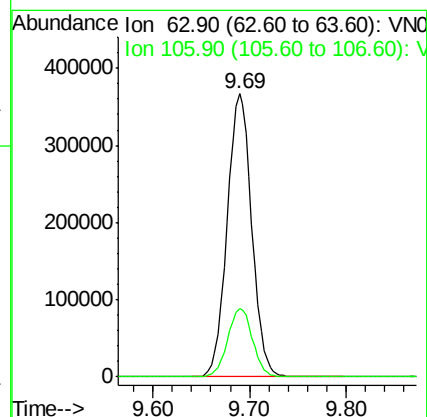
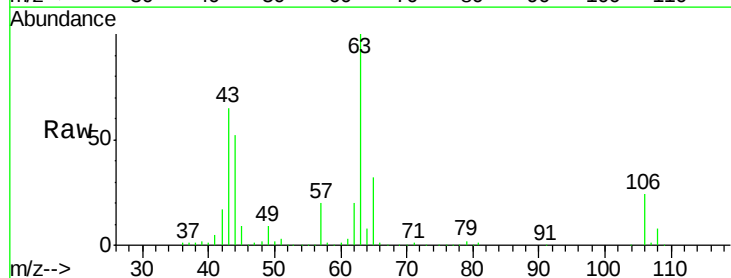
Acq: 1 Oct 2019 19:37

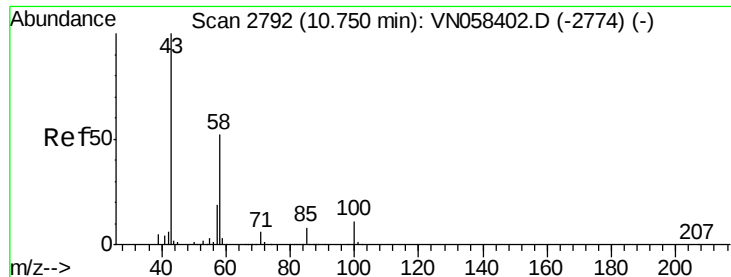
Tgt Ion: 63 Resp: 646208

Ion Ratio Lower Upper

63 100

106 24.6 20.3 30.5





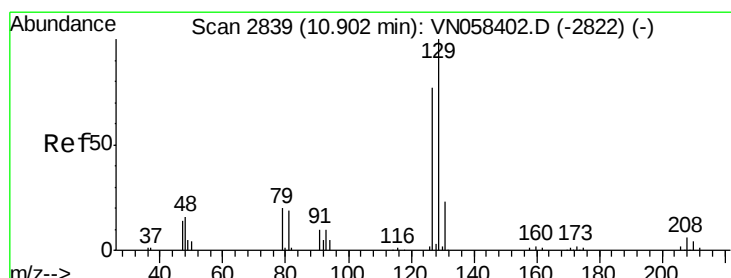
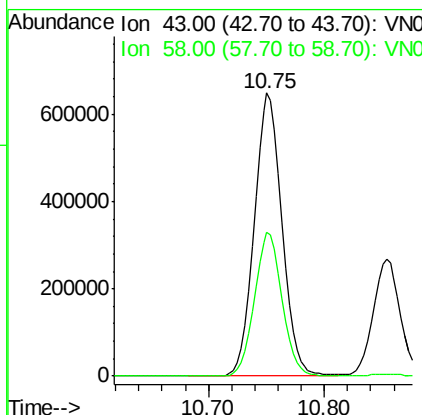
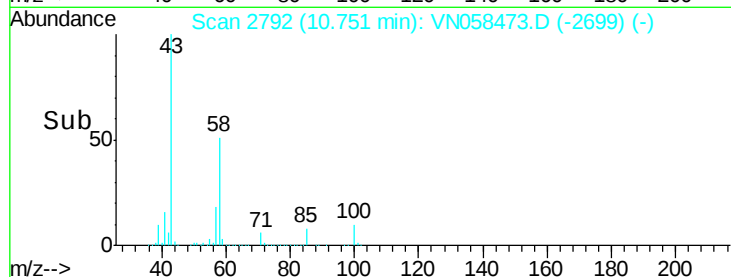
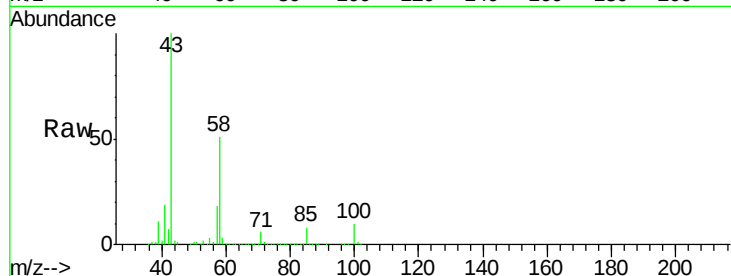
#59
2-Hexanone
Concen: 306.557 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1079925
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3

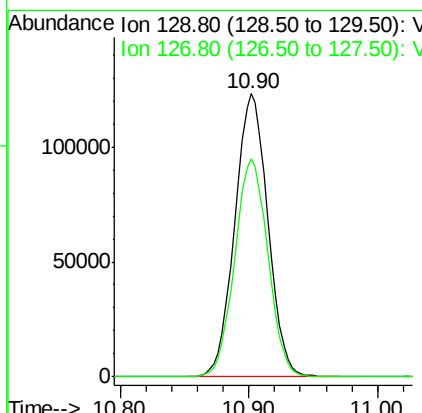
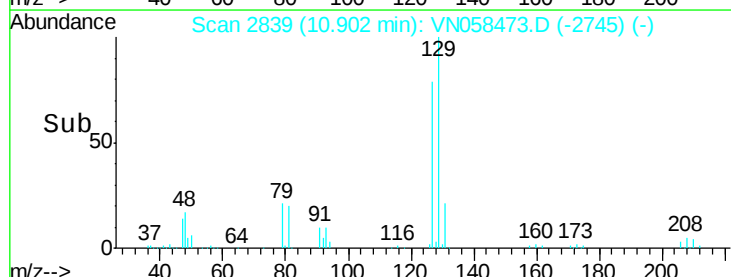
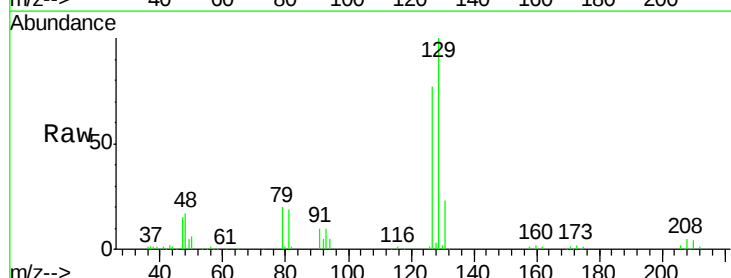
Manual Integrations
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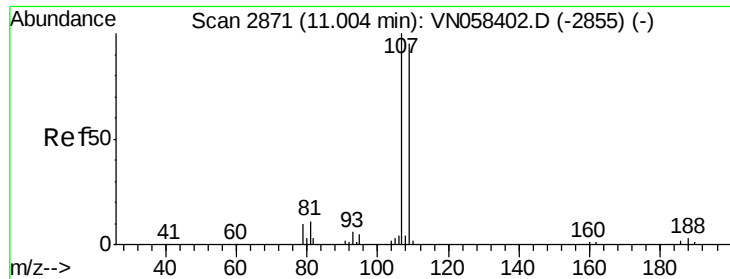
MMDadoda
10/3/2019 12:36:08 PM



#60
Dibromochloromethane
Concen: 54.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion: 129 Resp: 219379
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





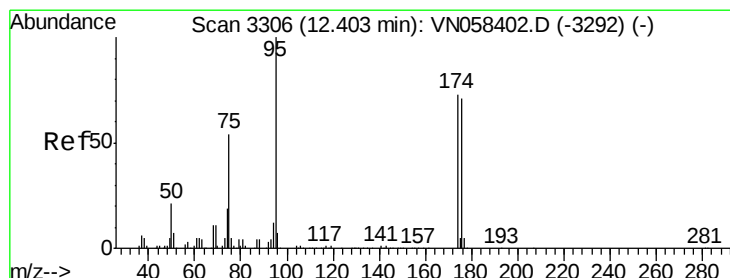
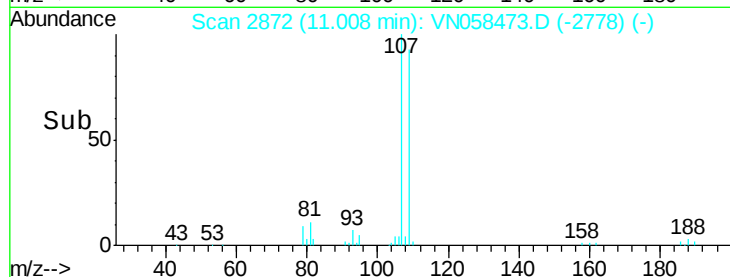
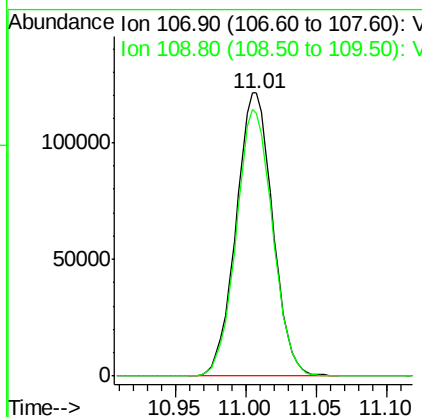
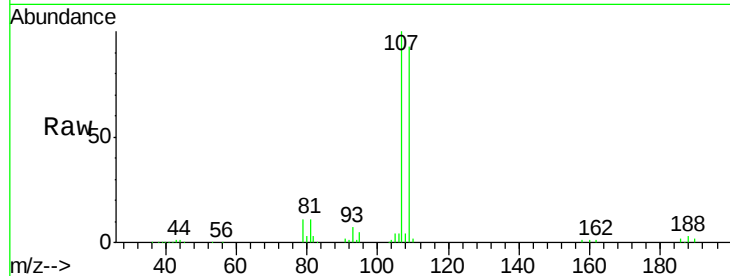
#61
 1,2-Dibromoethane
 Concen: 55.396 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	220288		
109	93.7	75.3	112.9	

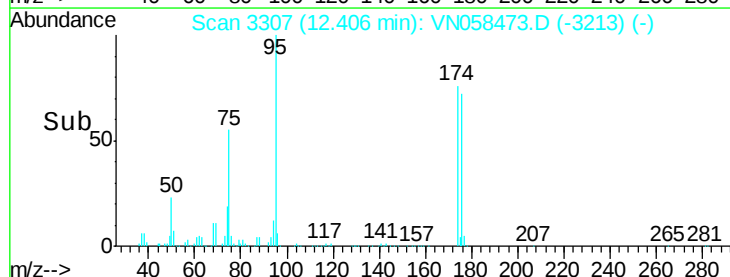
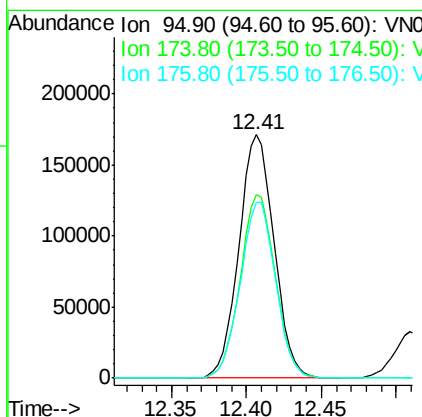
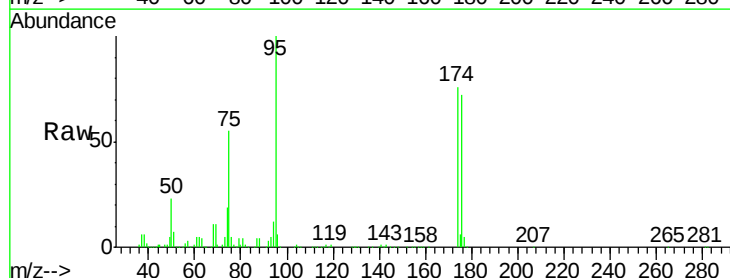
Manual Integrations
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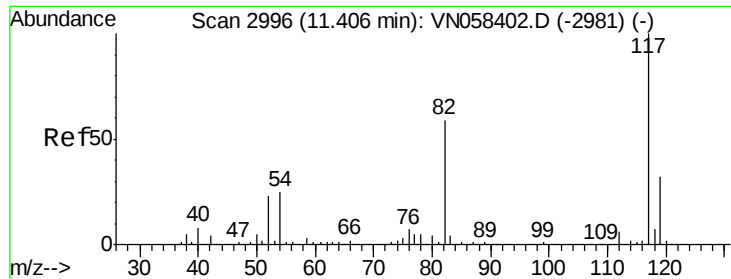
MMDadoda
 10/3/2019 12:36:08 PM



#62
 4-Bromofluorobenzene
 Concen: 52.223 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	280100		
174	75.4	0.0	150.6	
176	72.9	0.0	146.2	





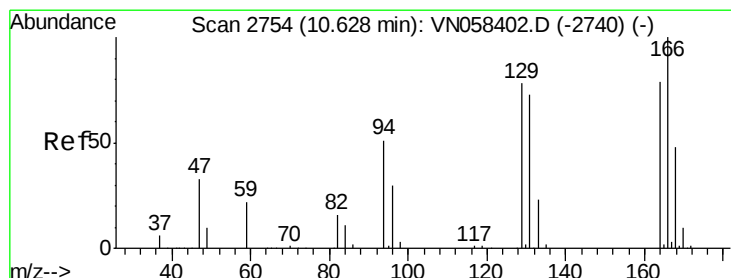
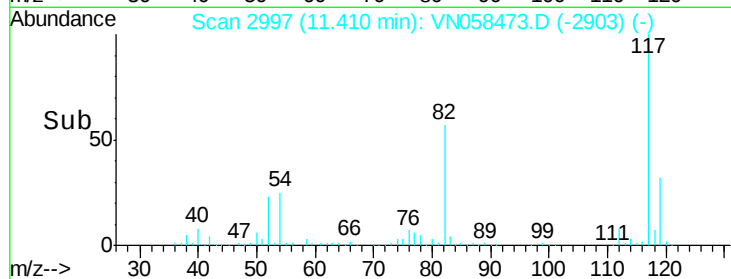
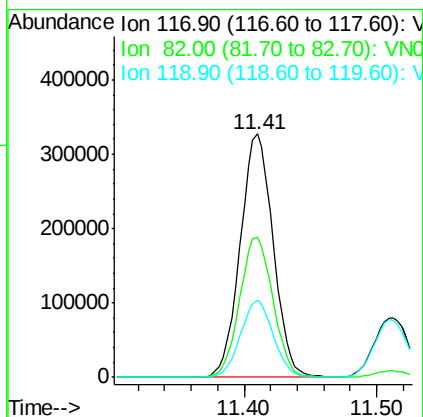
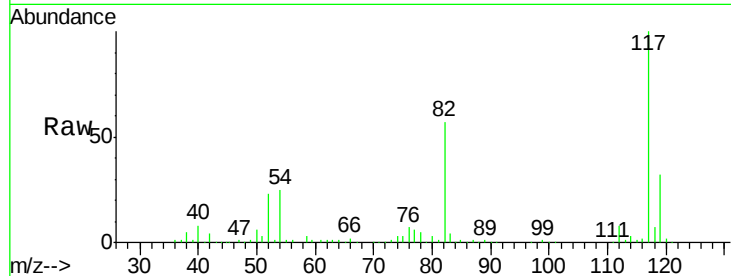
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.4	71.0
119	31.6	25.5	38.3

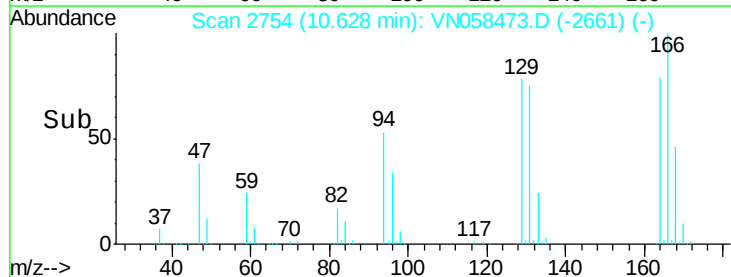
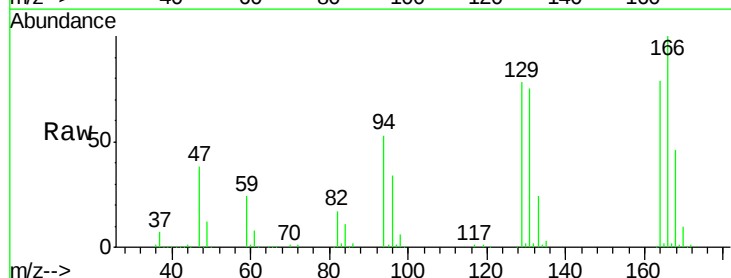
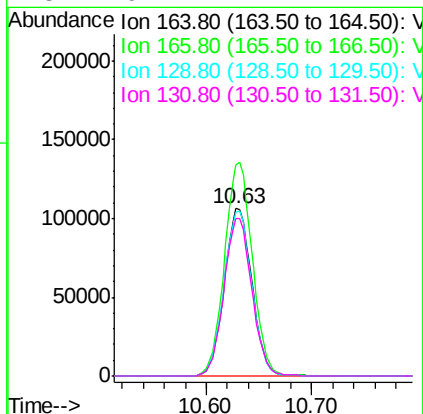
Manual Integrations
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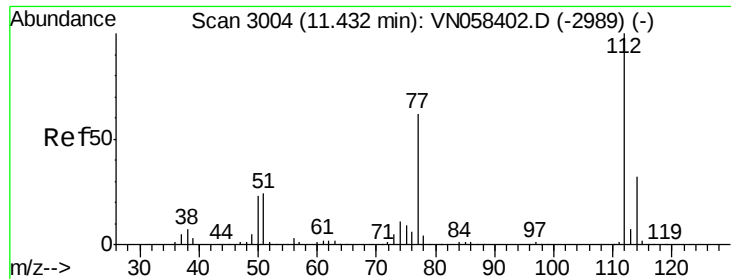
MMDadoda
10/3/2019 12:36:08 PM



#64
Tetrachloroethene
Concen: 53.644 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.1	151.7
129	98.2	79.2	118.8
131	94.2	74.1	111.1





#65

Chlorobenzene

Concen: 51.530 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 577849

Ion Ratio Lower Upper

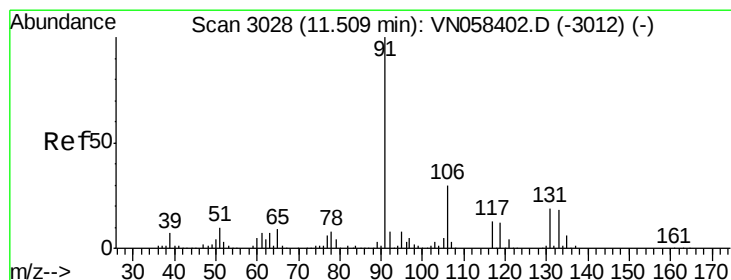
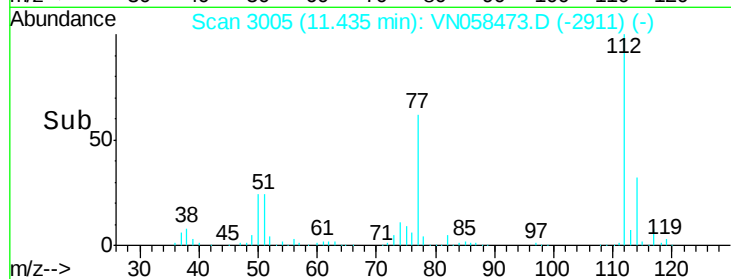
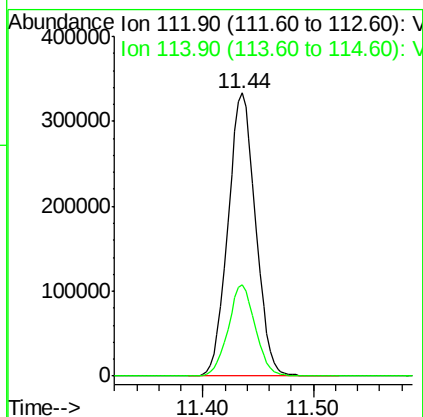
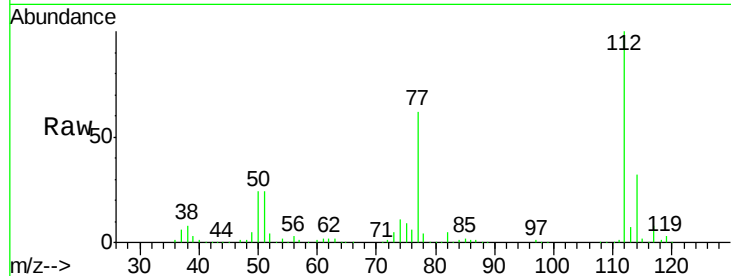
112 100

114 32.3 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.917 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

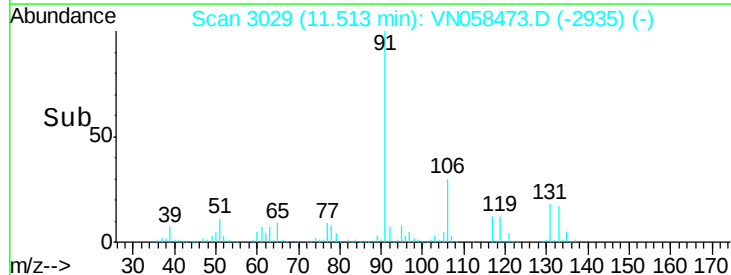
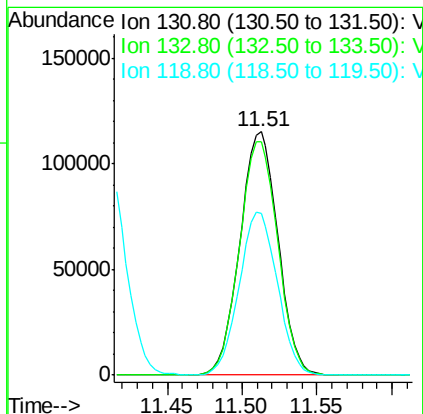
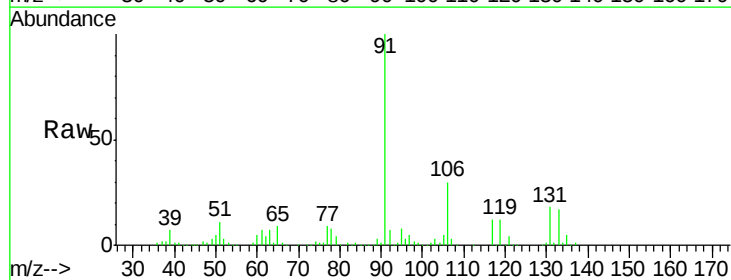
Tgt Ion:131 Resp: 203709

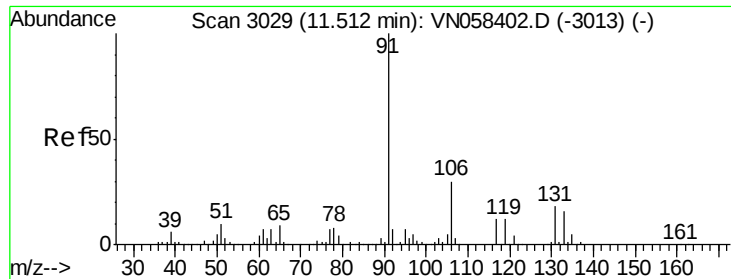
Ion Ratio Lower Upper

131 100

133 96.8 47.8 143.3

119 67.3 33.0 99.0





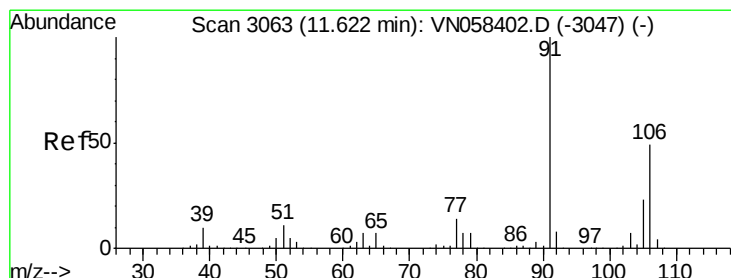
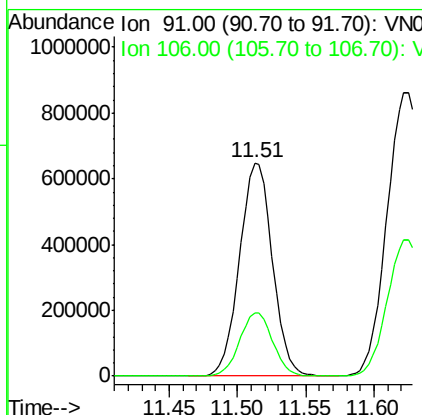
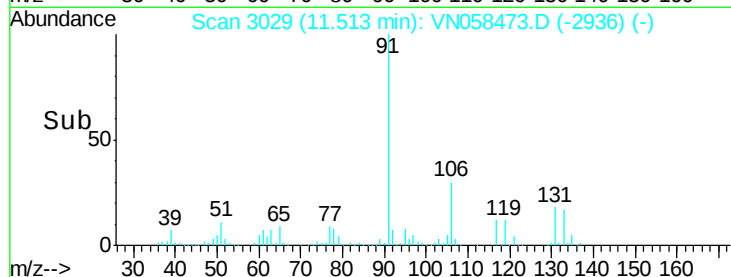
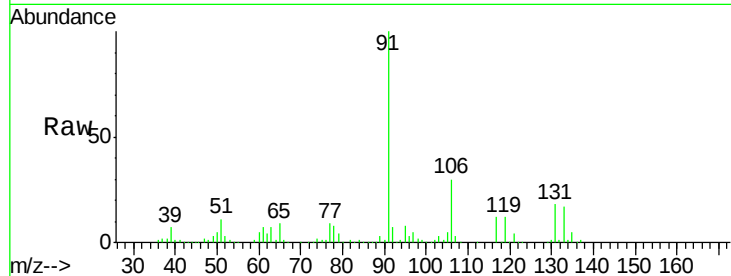
#67
Ethyl Benzene
Concen: 53.443 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1085503
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

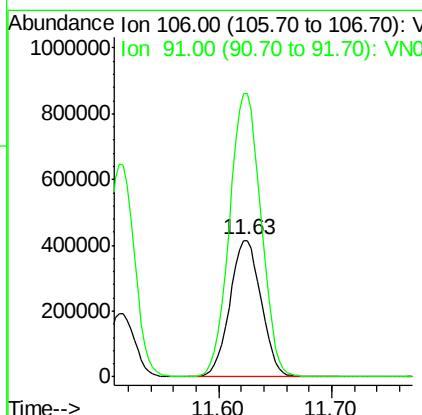
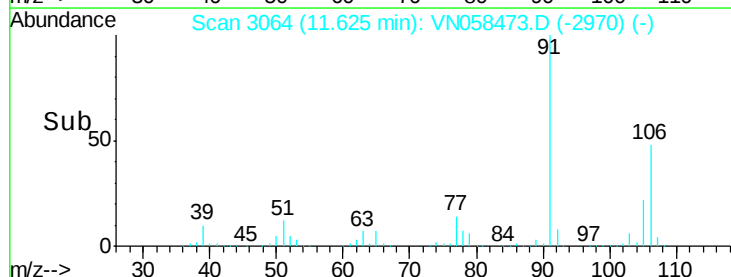
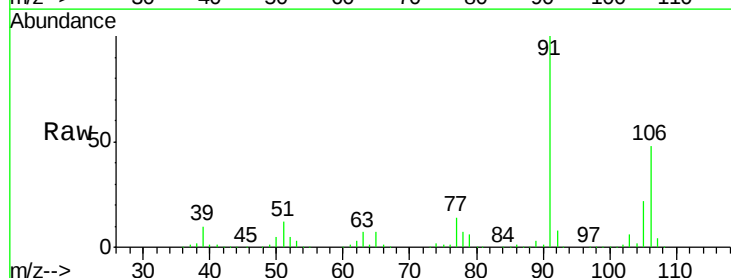
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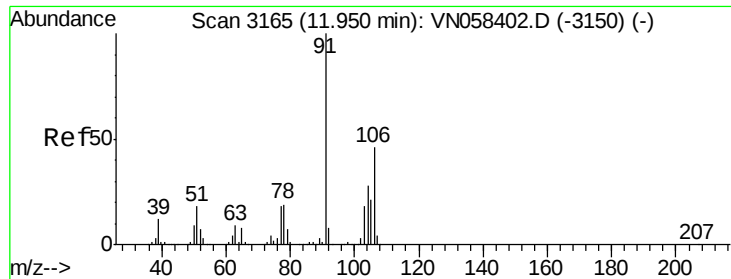
MMDadoda
10/3/2019 12:36:08 PM



#68
m/p-Xylenes
Concen: 104.639 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion: 106 Resp: 799649
Ion Ratio Lower Upper
106 100
91 208.9 165.0 247.4





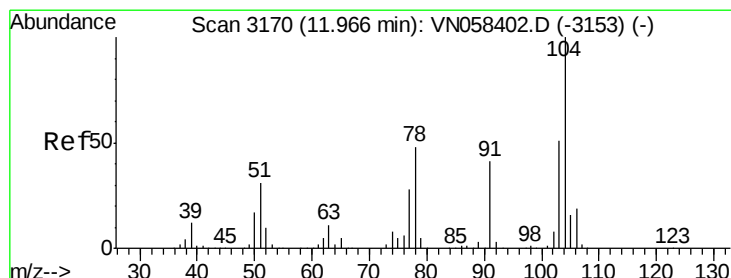
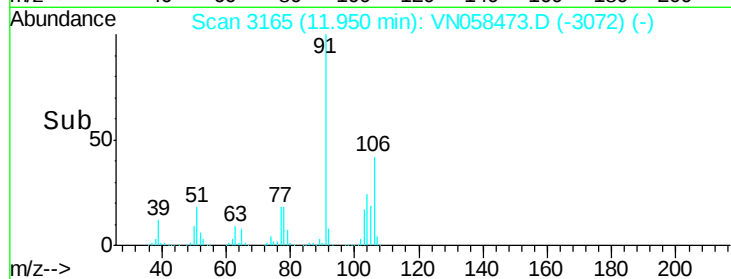
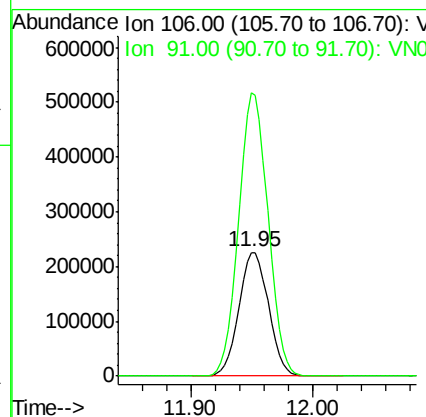
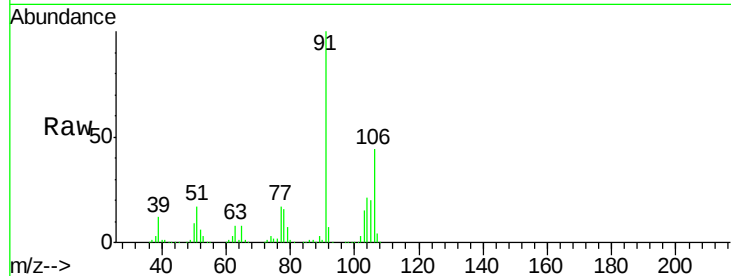
#69
o-Xylene
Concen: 51.630 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		379818		
91	227.3	109.1	327.4		

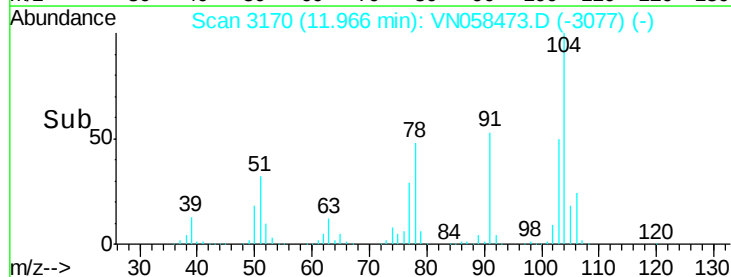
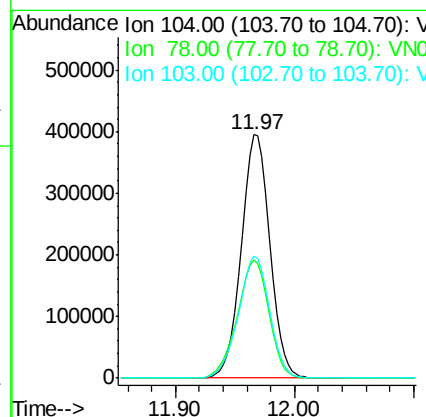
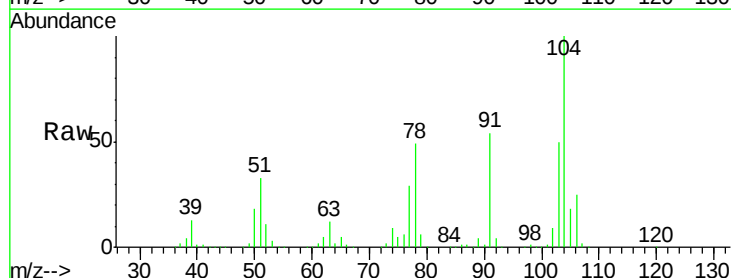
Manual Integrations
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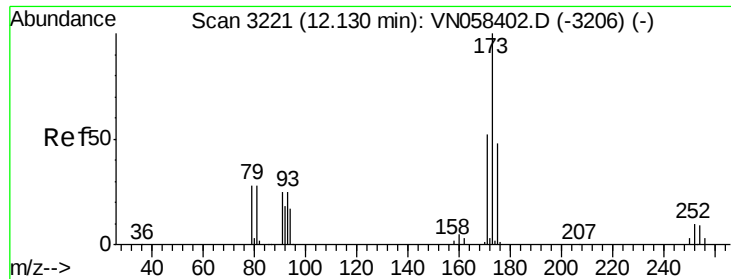
MMDadoda
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#70
Styrene
Concen: 55.238 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		660152		
78	53.6	42.8	64.2		
103	54.7	43.7	65.5		





#71

Bromoform

Concen: 53.566 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 139991

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

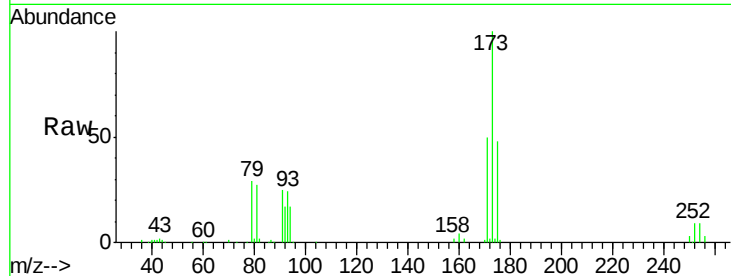
254 0.0 0.1 0.1#

Manual Integrations

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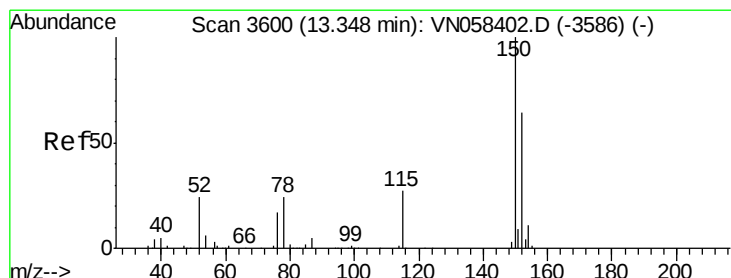
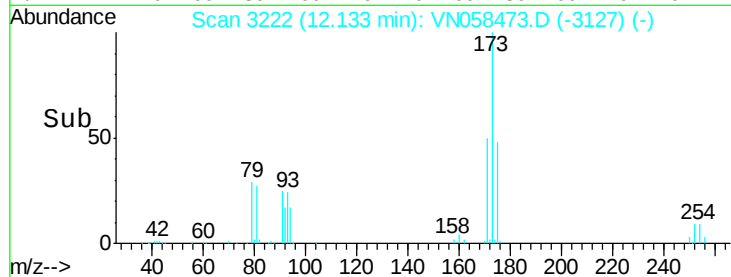
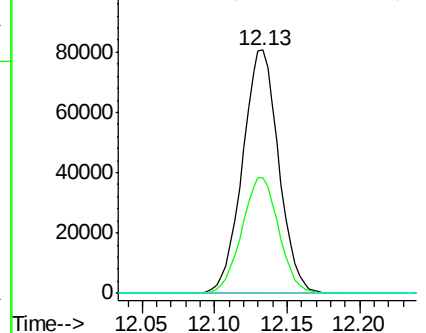
10/3/2019 12:36:08 PM



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: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

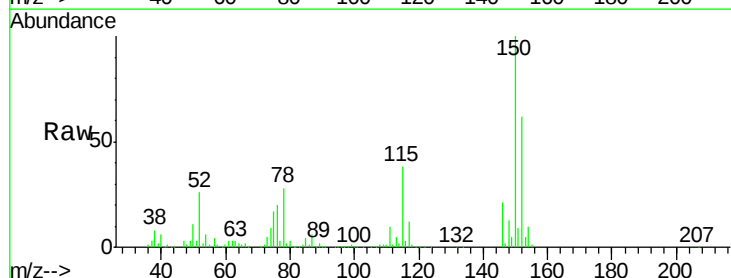
Tgt Ion:152 Resp: 271621

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

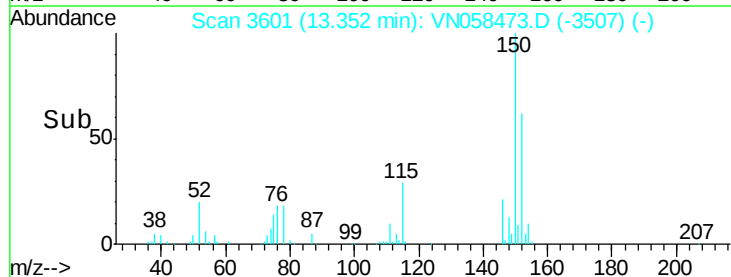
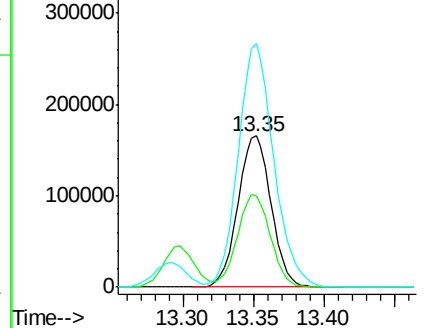
150 173.2 0.0 348.2

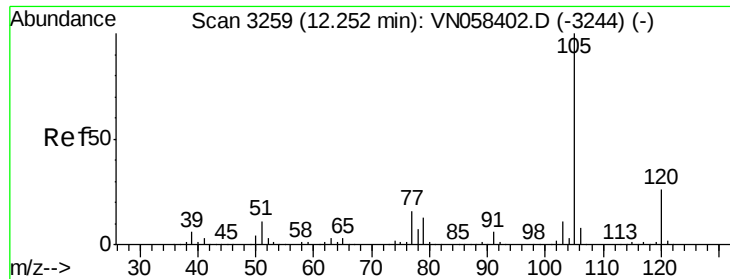


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.636 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1056585

Ion Ratio Lower Upper

105 100

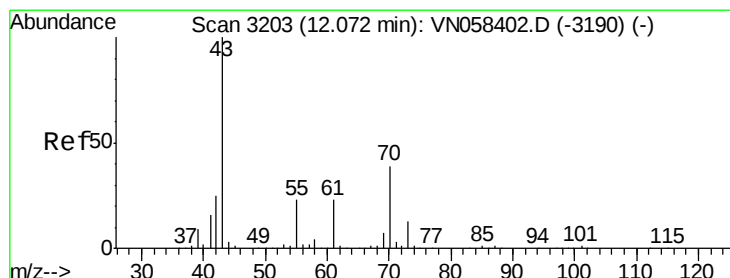
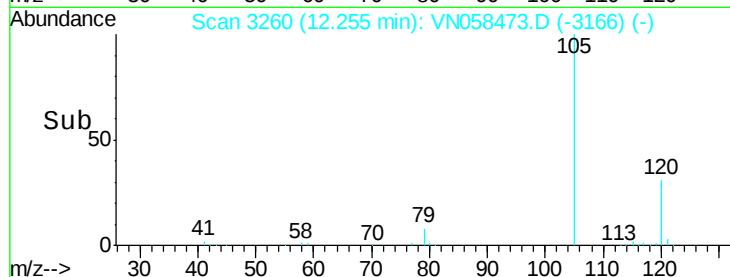
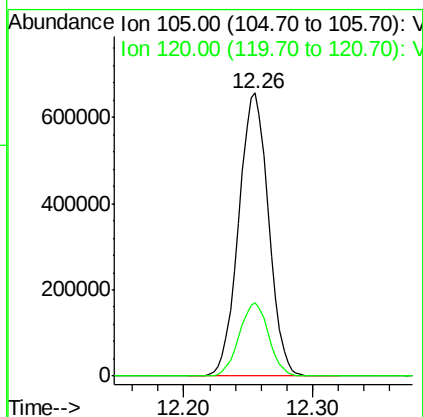
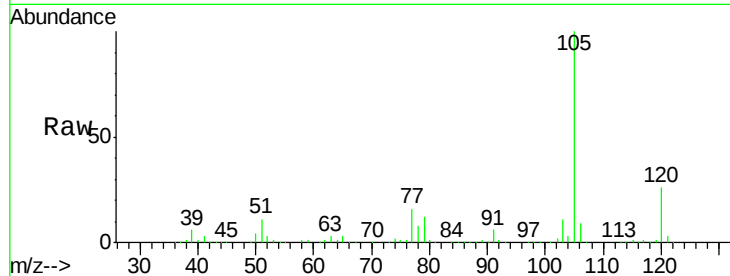
120 25.5 12.8 38.4

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#74

N-ethyl acetate

Concen: 55.262 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion: 43 Resp: 441311

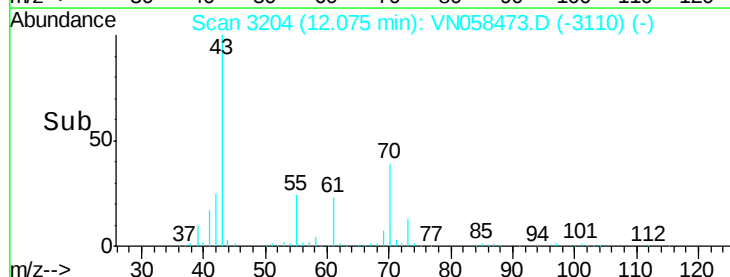
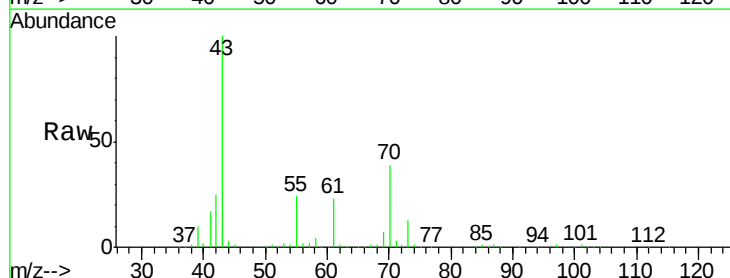
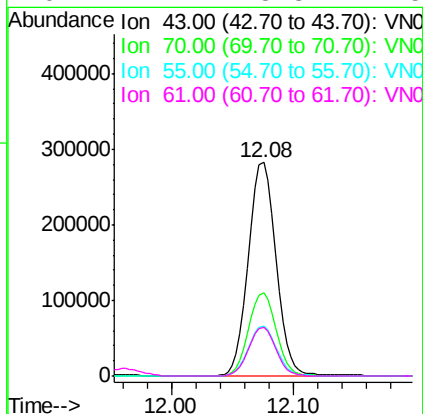
Ion Ratio Lower Upper

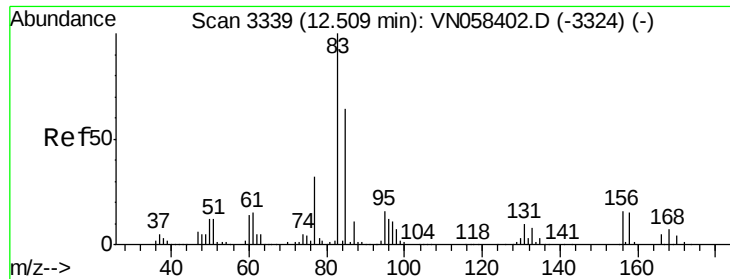
43 100

70 39.1 31.4 47.2

55 23.9 18.2 27.4

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.659 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

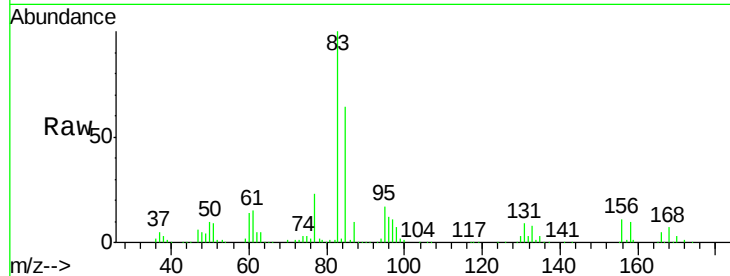
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	324446
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	62.6	32.0	96.0

Manual Integrations
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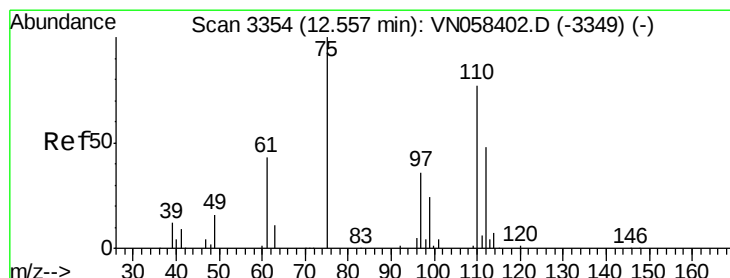
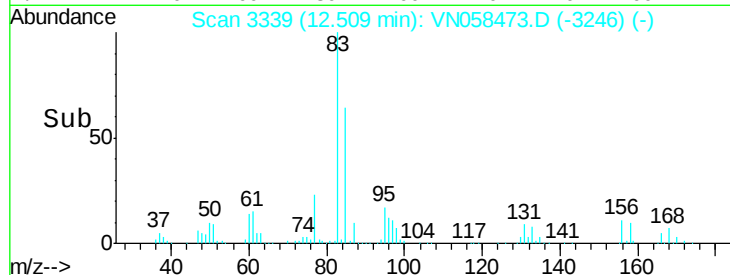
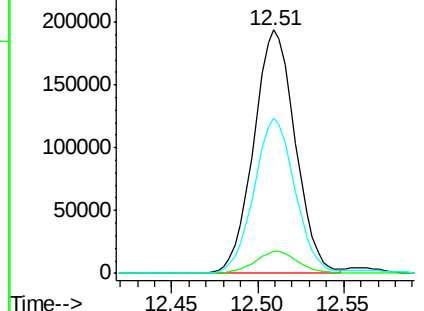
MMDadoda
10/3/2019 12:36:08 PM



Abundance Ion 82.90 (82.60 to 83.60): VN058473.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN058473.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN058473.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 53.901 ug/l m

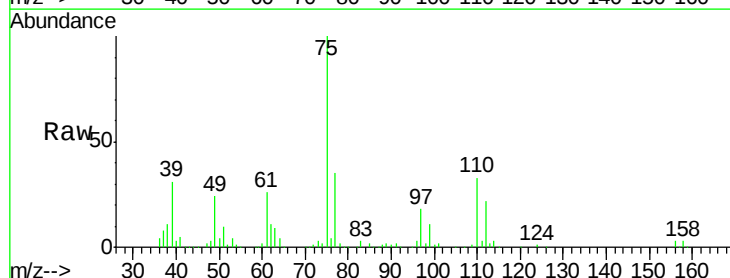
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058473.D

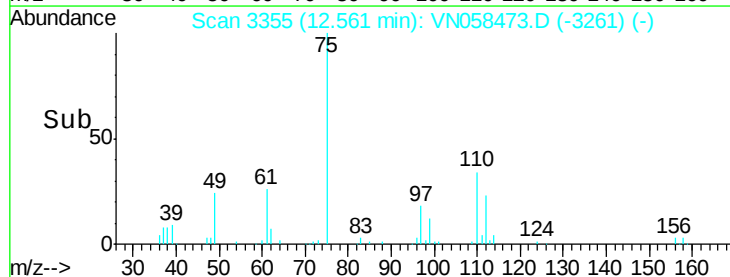
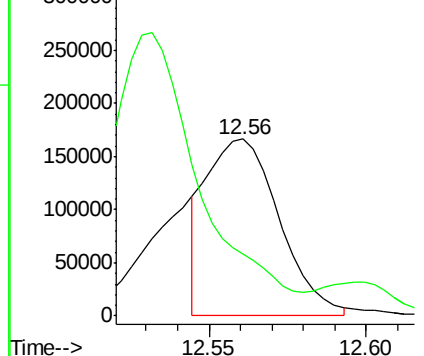
Acq: 1 Oct 2019 19:37

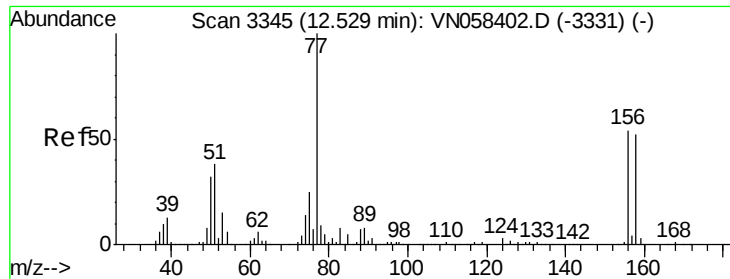
Tgt Ion:	75	Resp:	267411
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058473.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058473.D (-3261) (-)





#77

Bromobenzene

Concen: 50.630 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 238304

Ion Ratio Lower Upper

156 100

77 226.6 110.0 330.0

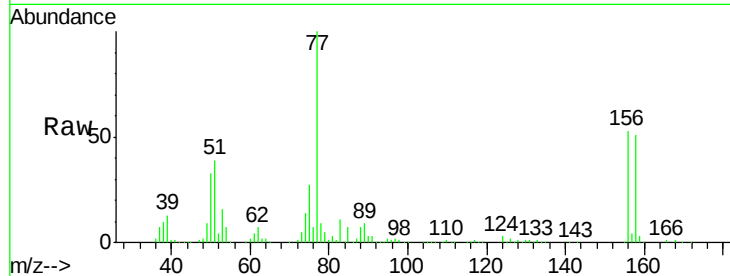
158 96.7 47.9 143.8

Manual Integrations

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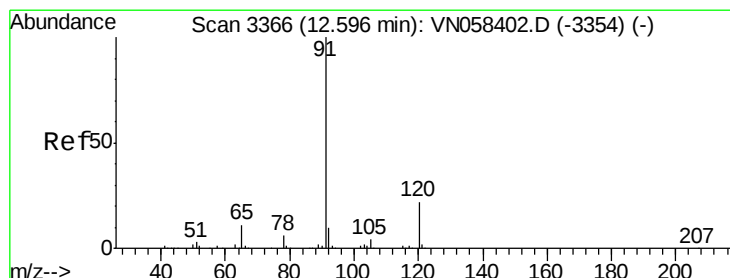
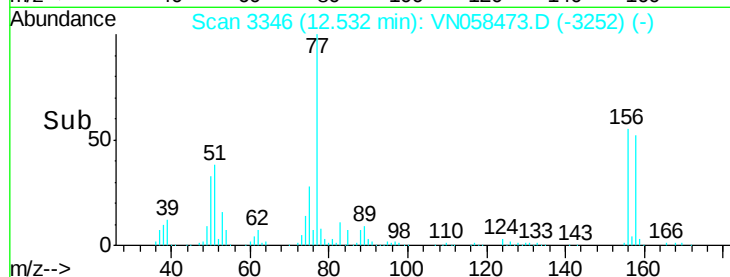
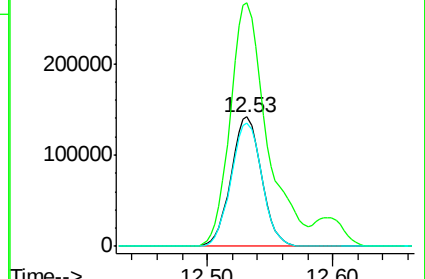
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.339 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058473.D

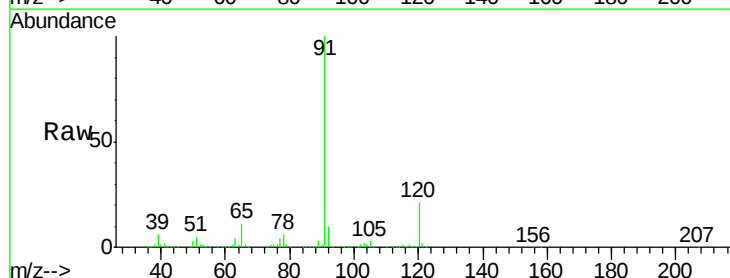
Acq: 1 Oct 2019 19:37

Tgt Ion: 91 Resp: 1251492

Ion Ratio Lower Upper

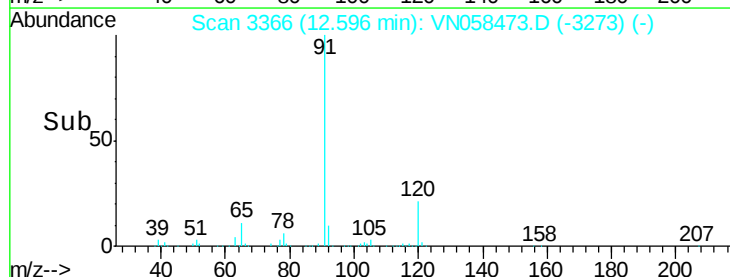
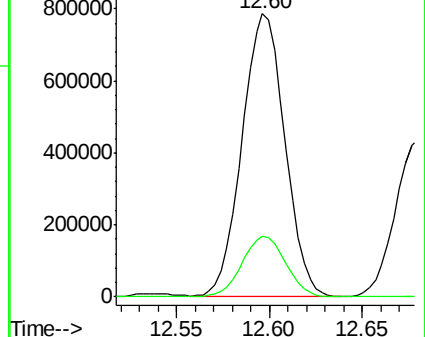
91 100

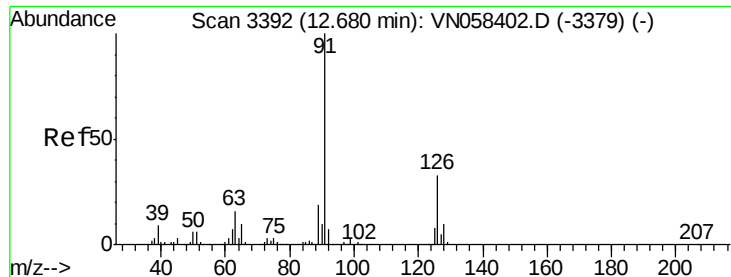
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.920 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 724731

Ion Ratio Lower Upper

91 100

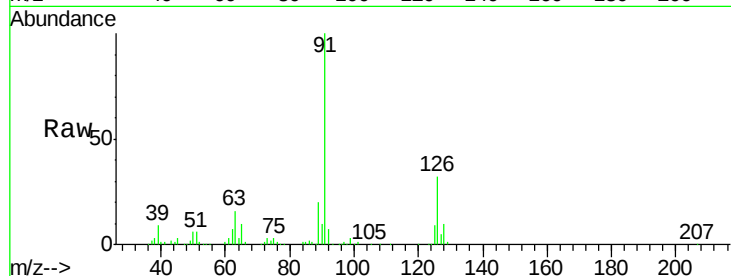
126 32.5 16.2 48.6

Manual Integrations

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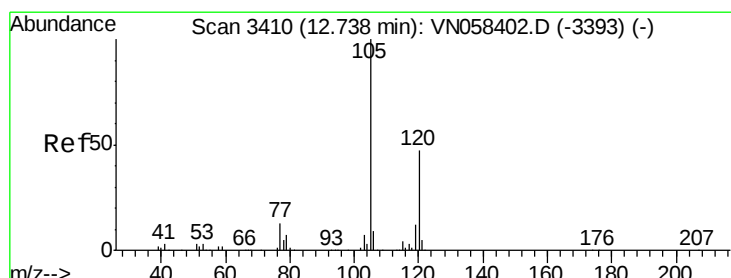
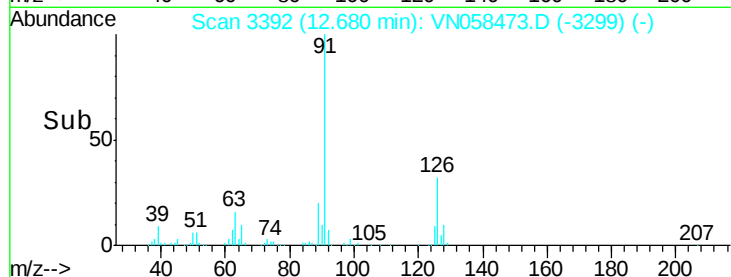
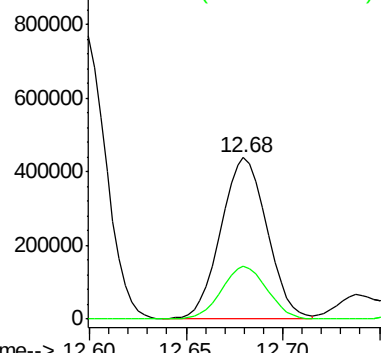
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.665 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058473.D

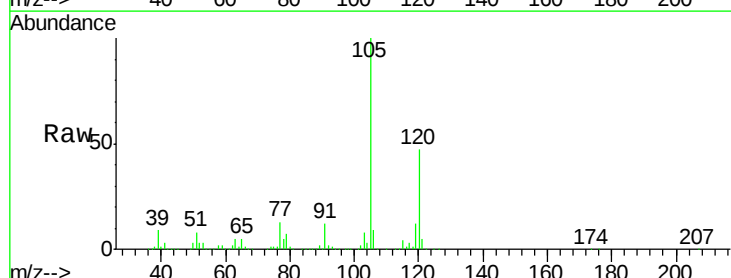
Acq: 1 Oct 2019 19:37

Tgt Ion: 105 Resp: 901756

Ion Ratio Lower Upper

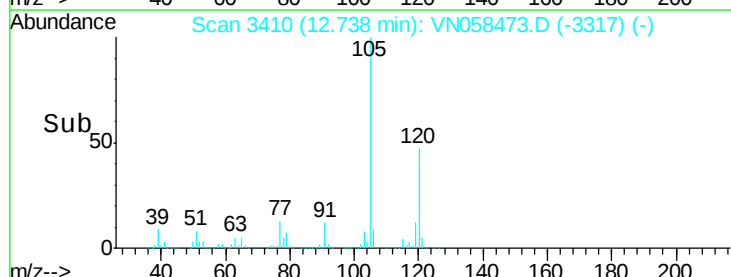
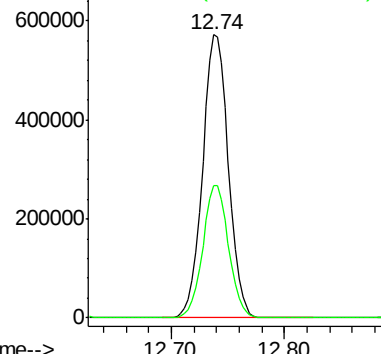
105 100

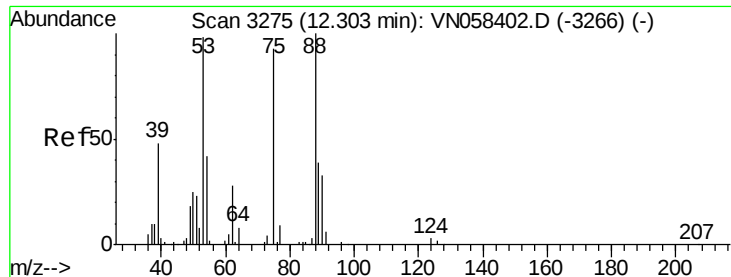
120 46.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





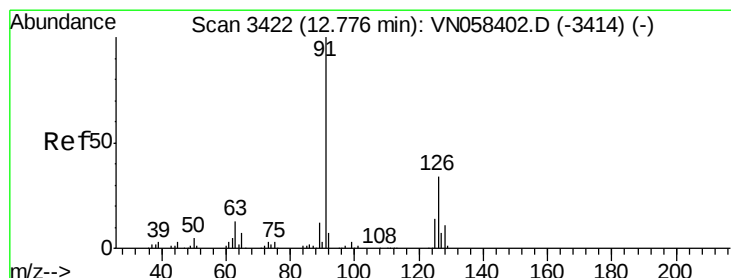
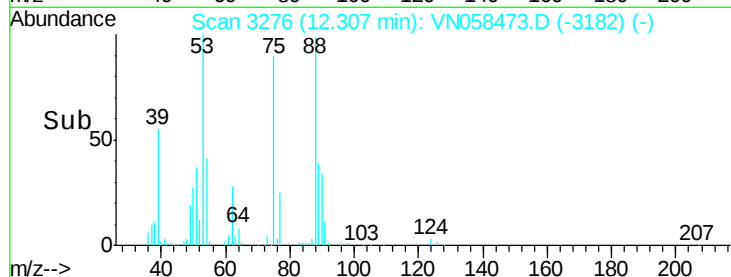
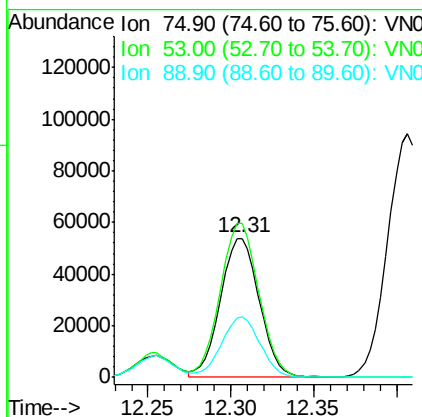
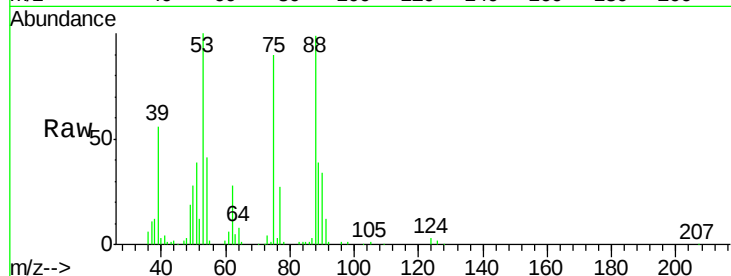
#81
trans-1,4-Dichloro-2-butene
Concen: 53.951 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	85.4	128.0
89	42.8	35.0	52.4

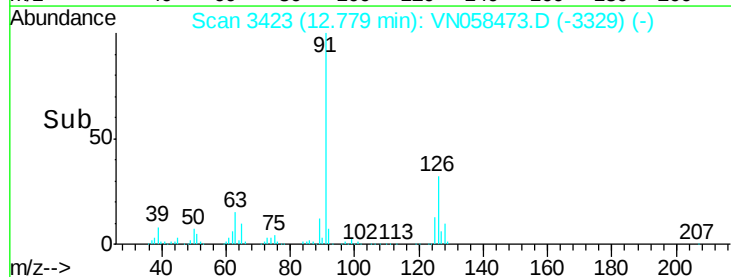
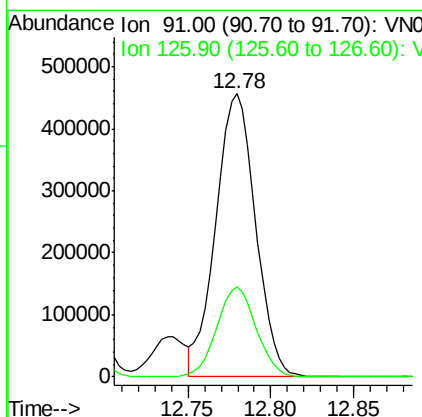
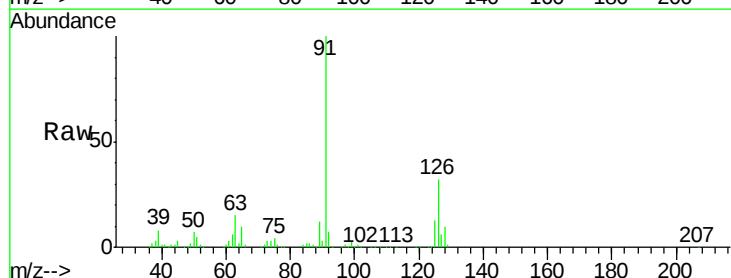
Manual Integrations
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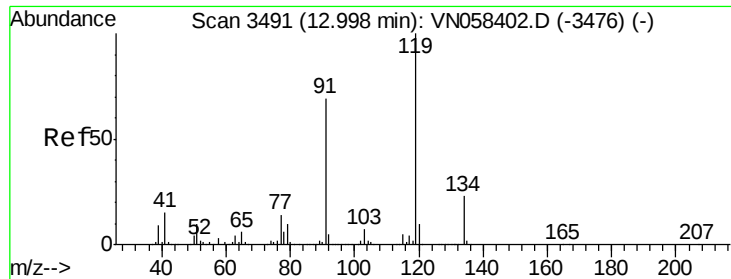
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.139 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





#83

tert-Butylbenzene

Concen: 54.249 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Instrument :

MSVOA_N

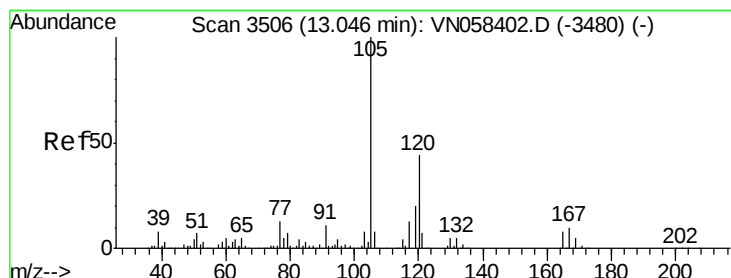
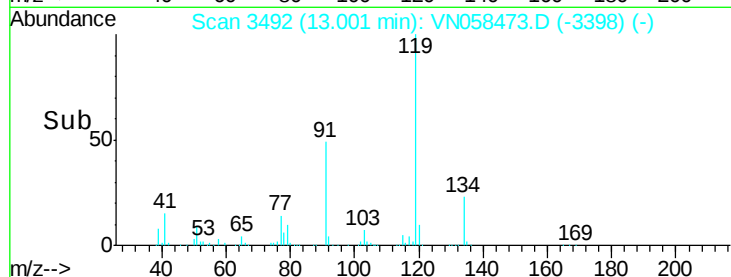
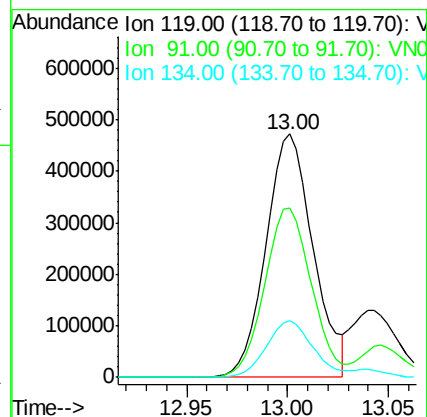
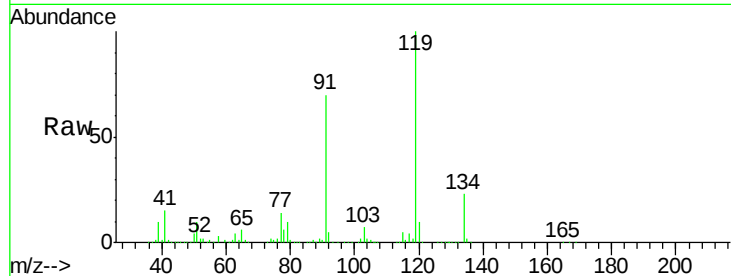
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	769206
Ion Ratio	Lower	Upper	
119	100		
91	69.3	34.2	102.6
134	23.1	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.075 ug/l

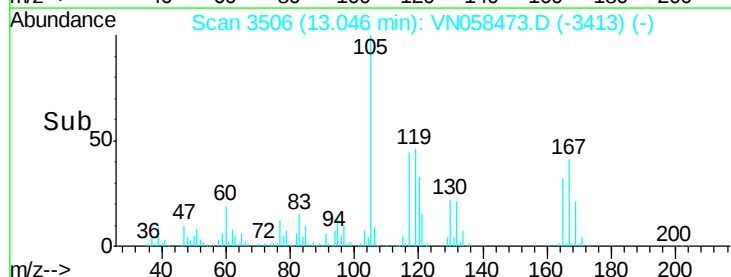
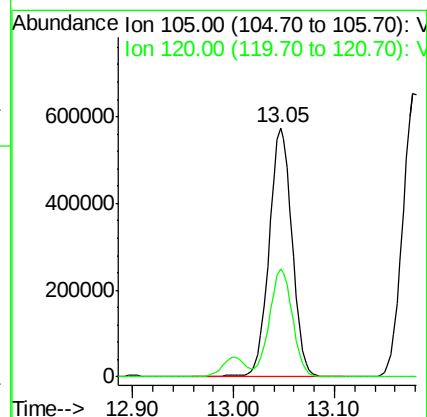
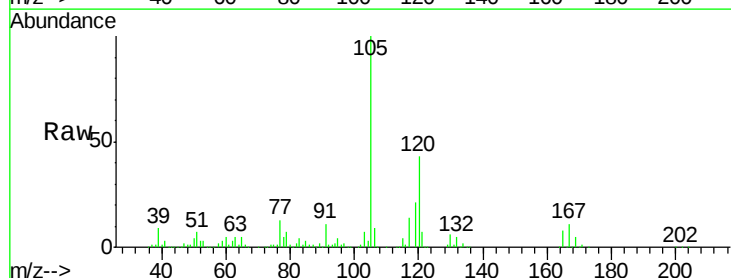
RT: 13.05 min Scan# 3506

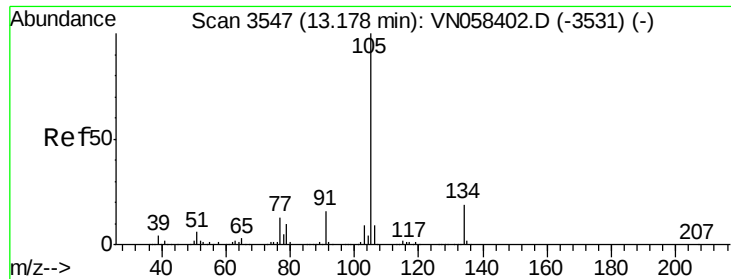
Delta R.T. 0.00 min

Lab File: VN058473.D

Acq: 1 Oct 2019 19:37

Tgt Ion:	105	Resp:	910380
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.7	65.1





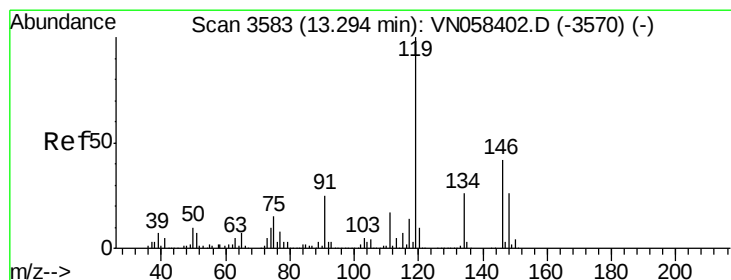
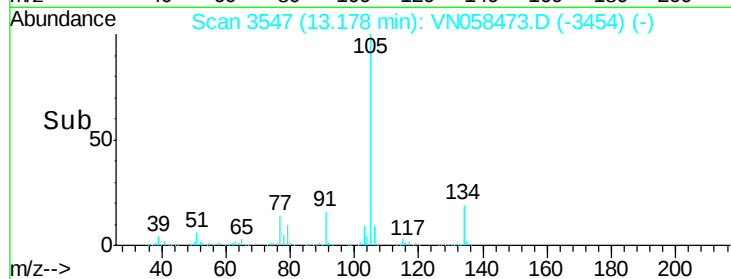
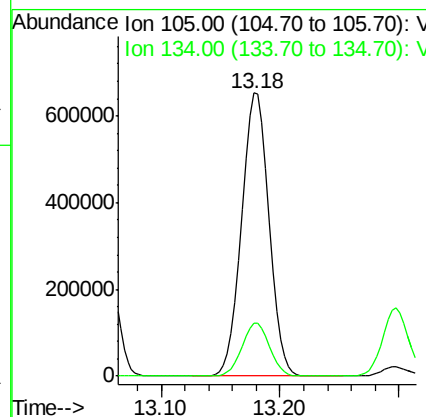
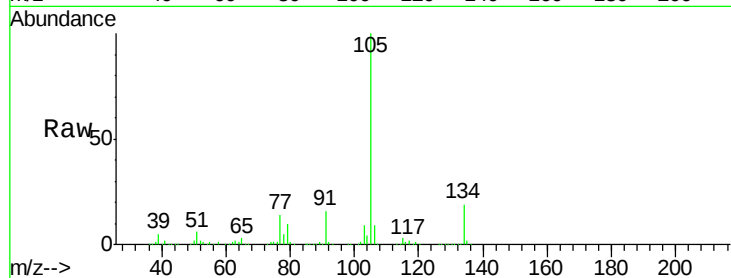
#85
 sec-Butylbenzene
 Concen: 55.701 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1039521
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2

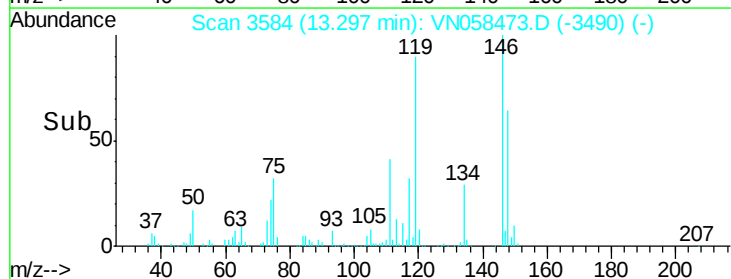
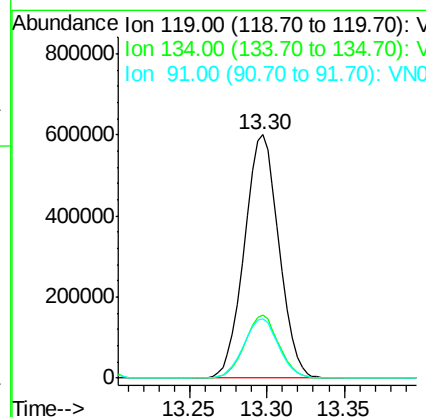
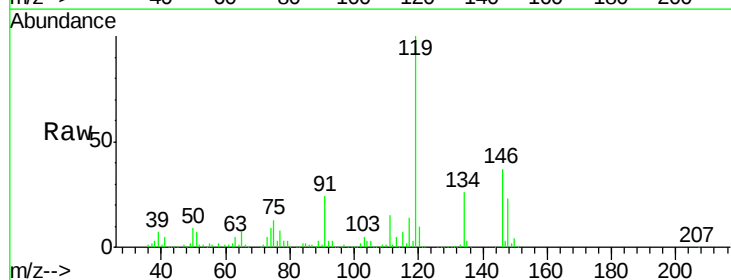
Manual Integrations
 APPROVED

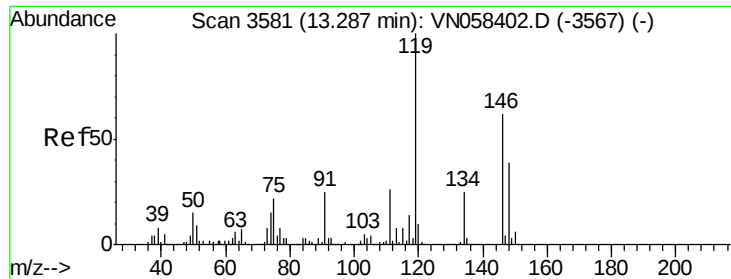
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#86
 p-Isopropyltoluene
 Concen: 56.497 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion:119 Resp: 928112
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 24.6 12.4 37.0





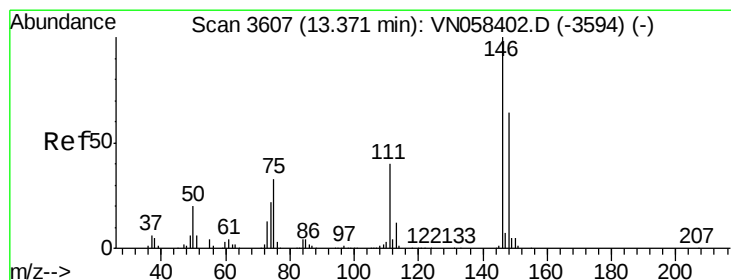
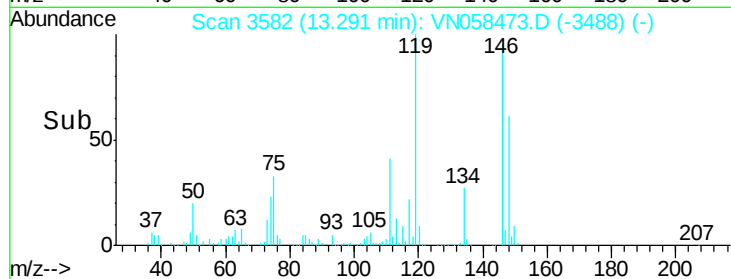
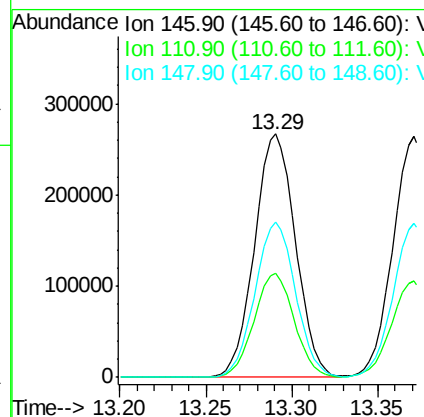
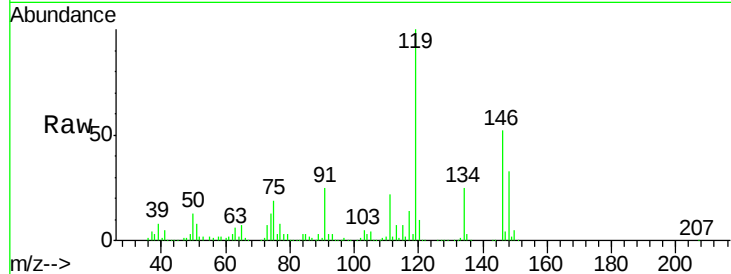
#87
 1,3-Dichlorobenzene
 Concen: 51.623 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	63.4	31.4	94.3

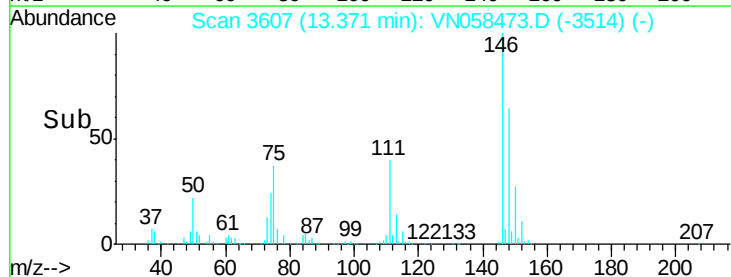
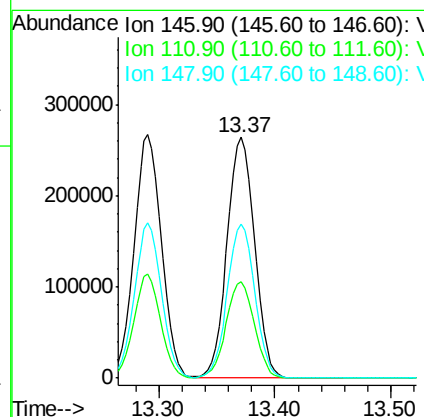
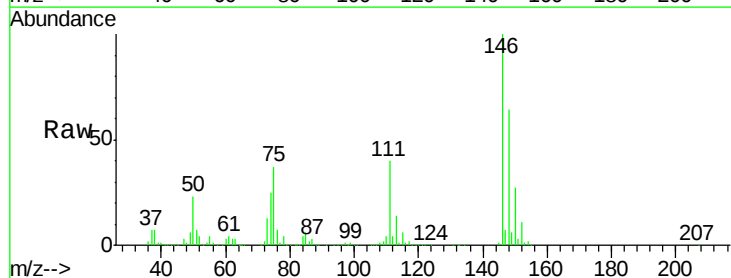
Manual Integrations
 APPROVED

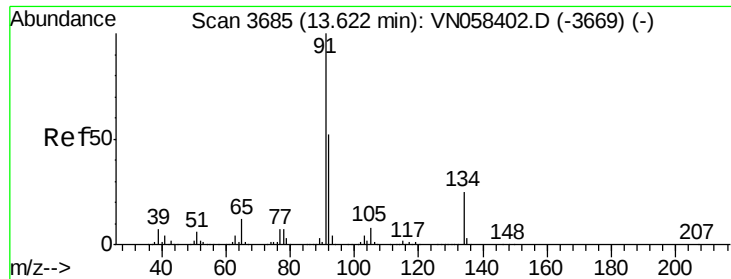
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 10/3/2019 12:36:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.082 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	63.8	31.5	94.5





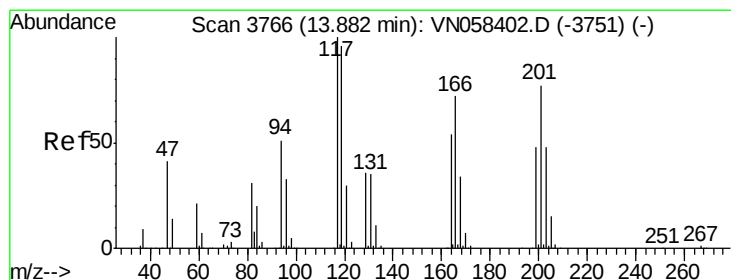
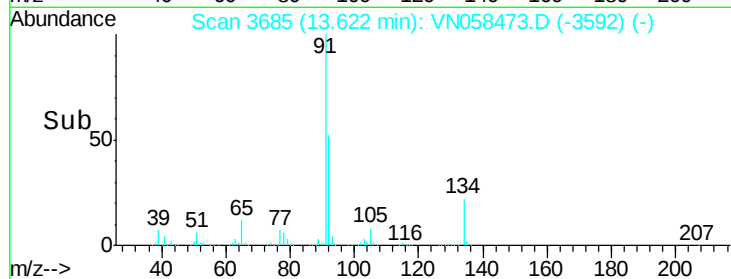
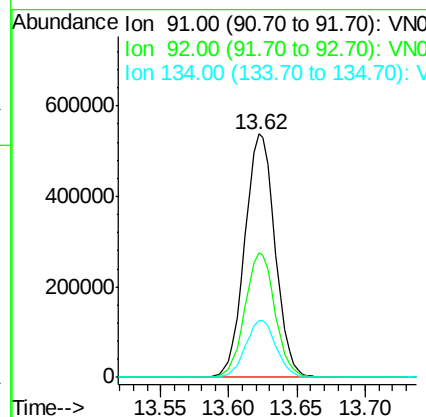
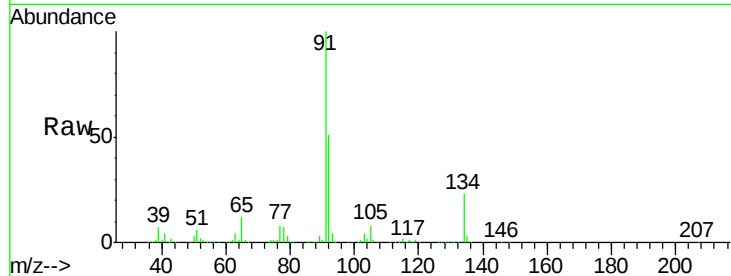
#89
n-Butylbenzene
Concen: 55.662 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.1
134	23.6	12.2	36.6

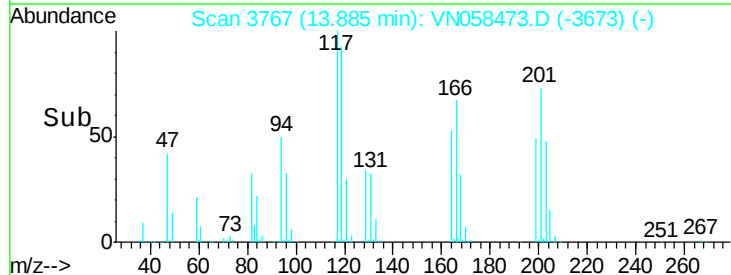
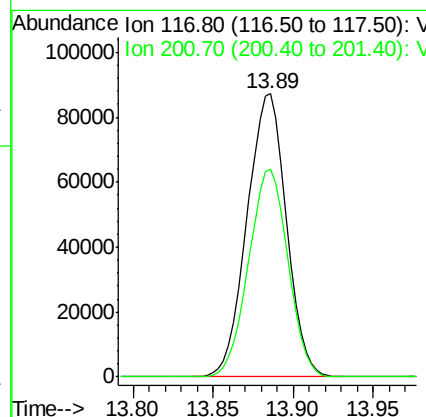
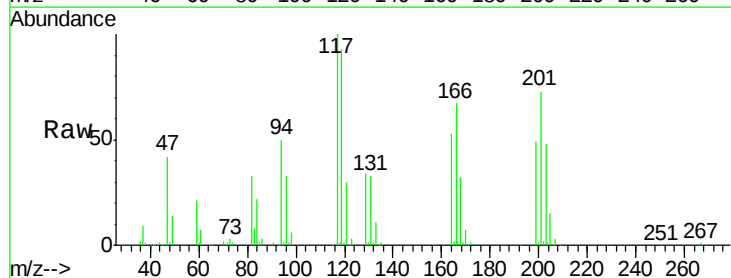
Manual Integrations
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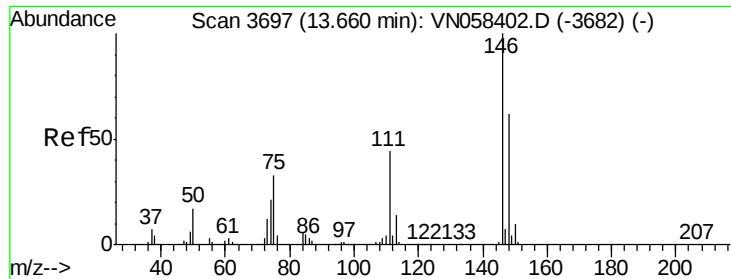
MMDadoda
10/3/2019 12:36:08 PM



#90
Hexachloroethane
Concen: 59.549 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	38.6	116.0





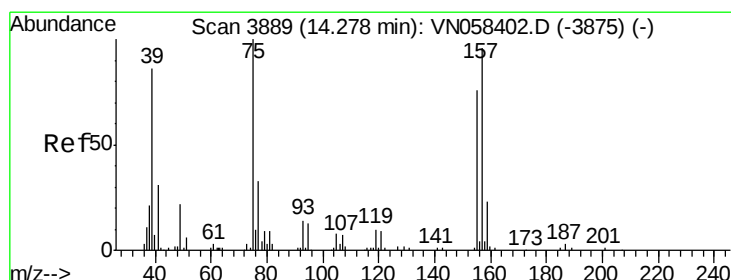
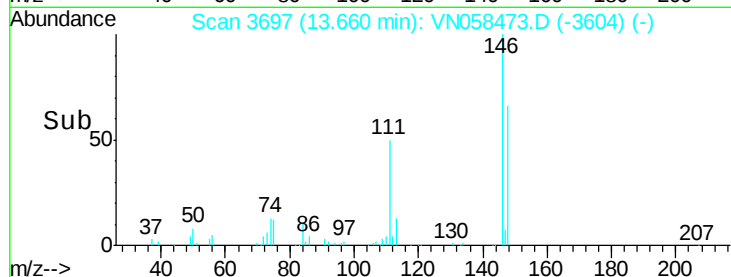
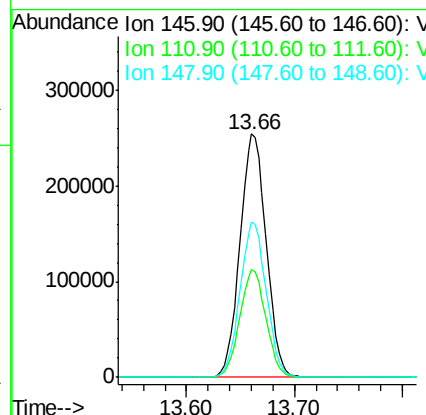
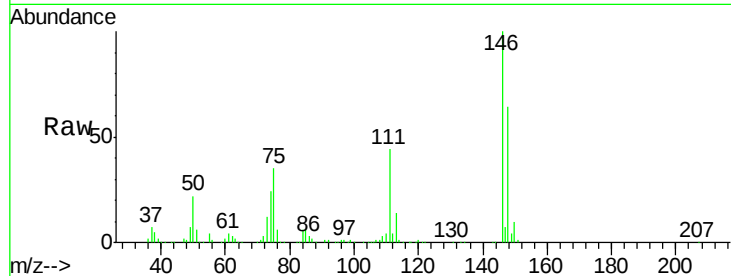
#91
 1,2-Dichlorobenzene
 Concen: 52.304 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.8	31.5	94.5

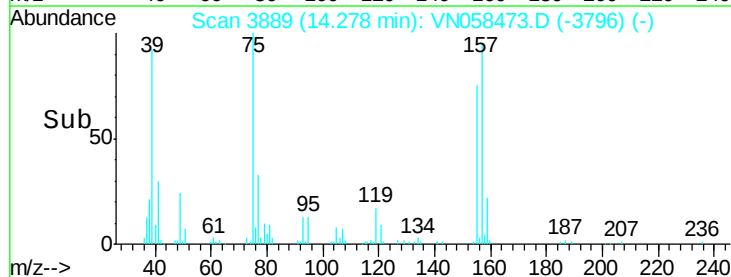
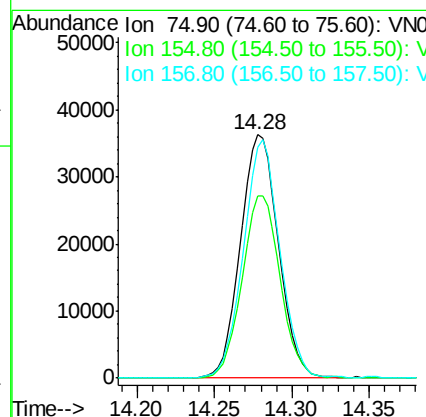
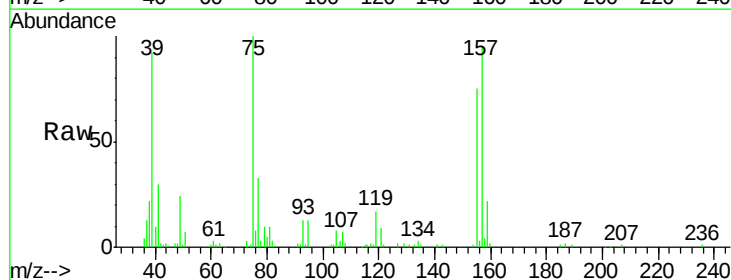
Manual Integrations
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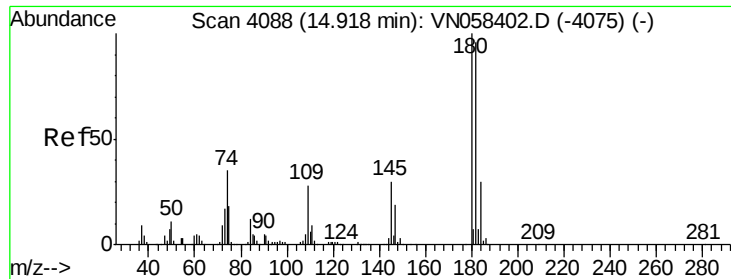
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.043 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	39.2	117.6
157	94.5	48.7	146.1





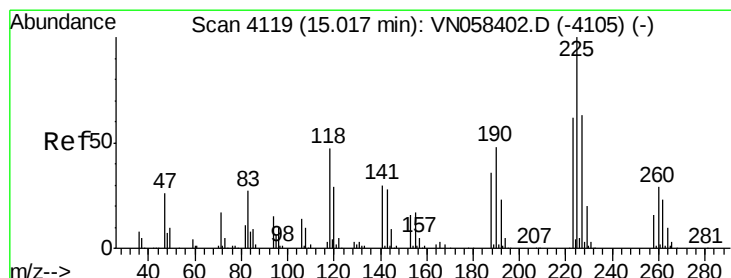
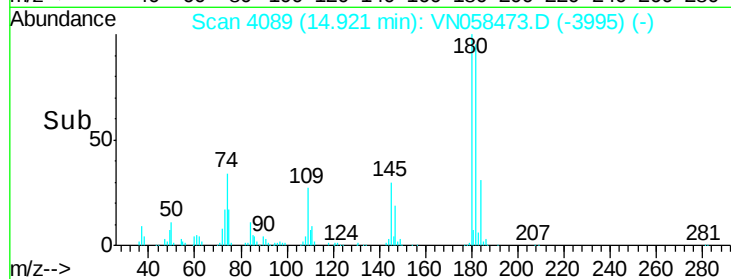
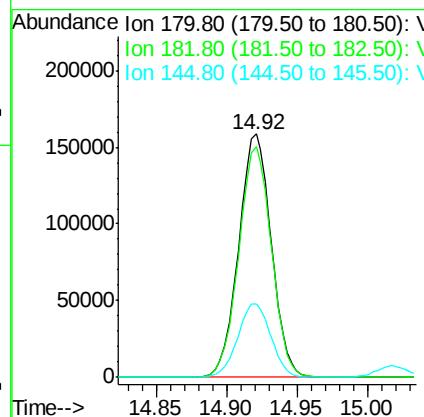
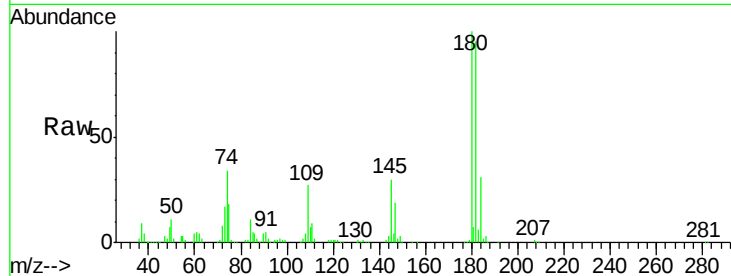
#93
 1,2,4-Trichlorobenzene
 Concen: 56.653 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256724		
182	95.6	47.4	142.3	
145	30.8	15.3	45.9	

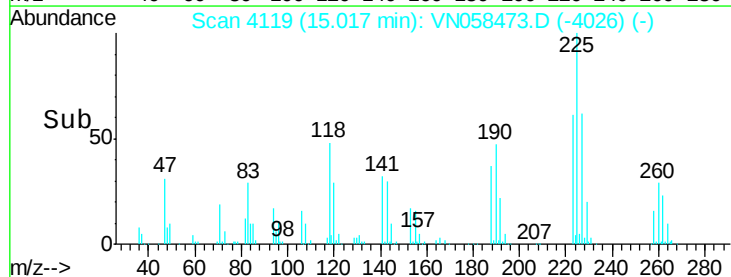
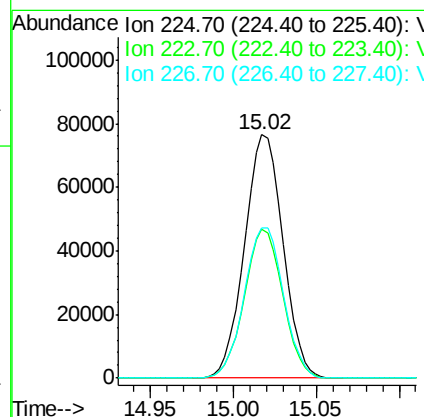
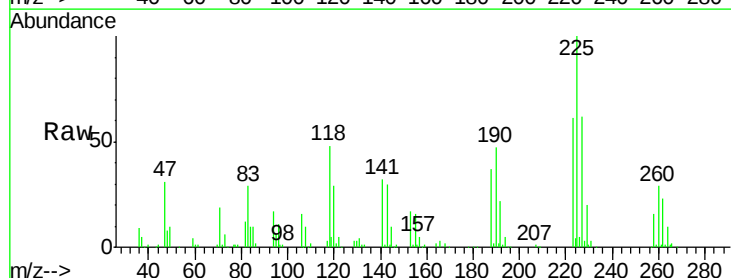
Manual Integrations
 APPROVED

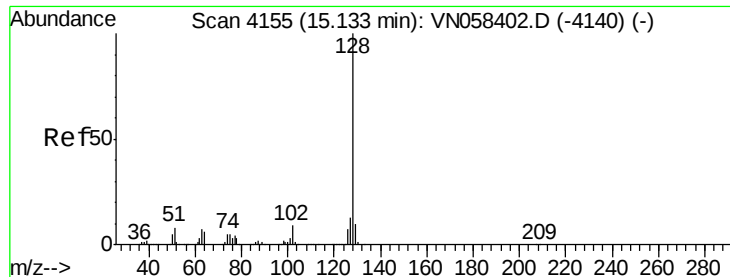
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#94
 Hexachlorobutadiene
 Concen: 53.053 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058473.D
 Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123566		
223	61.1	31.1	93.5	
227	62.8	31.4	94.2	





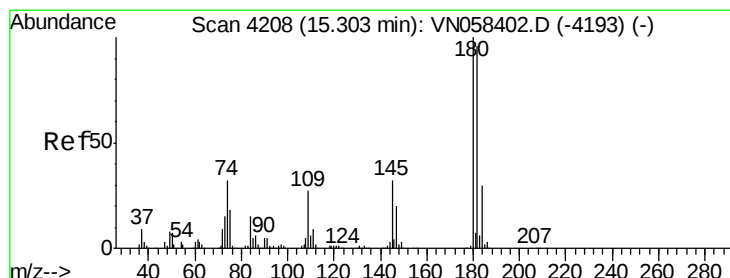
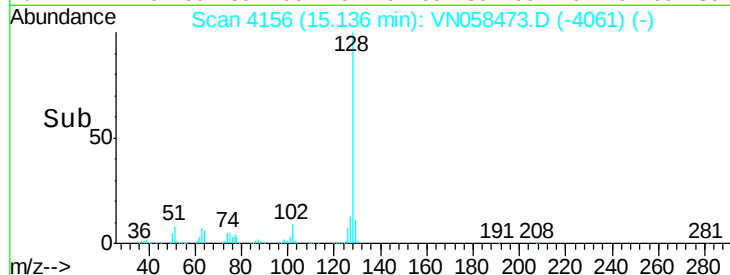
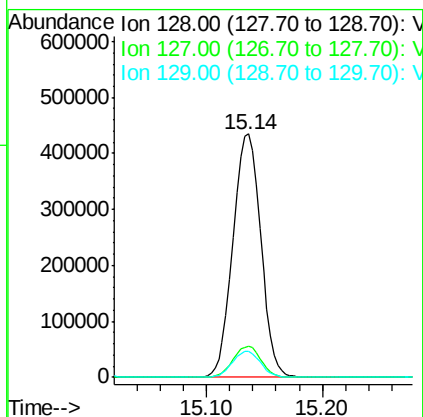
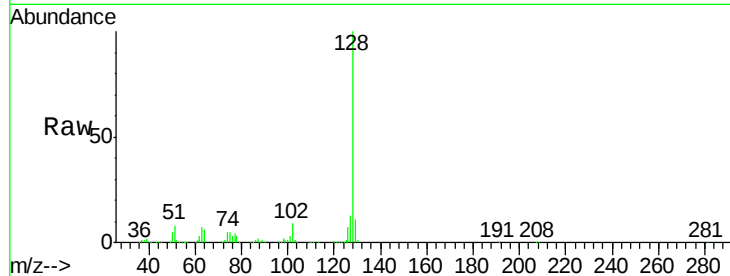
#95
Naphthalene
Concen: 54.380 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.864 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058473.D
Acq: 1 Oct 2019 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.3	144.9
145	32.1	16.1	48.3

