

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081419\
 Data File : VN057276.D
 Acq On : 14 Aug 2019 9:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:50 AM

Quant Time: Aug 23 06:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1186913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1700056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1538411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	671151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	575888	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.58	113	526364	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.09	98	1981423	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	687077	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	455664	45.541	ug/l	100
3) Chloromethane	2.05	50	504936	44.514	ug/l	99
4) Vinyl Chloride	2.18	62	502466	45.603	ug/l	99
5) Bromomethane	2.54	94	382021m	48.214	ug/l	
6) Chloroethane	2.69	64	340446	46.991	ug/l	100
7) Trichlorofluoromethane	3.01	101	789645	45.549	ug/l	100
8) Diethyl Ether	3.40	74	294308	46.850	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	480948	46.202	ug/l	99
10) Methyl Iodide	3.95	142	789804	48.841	ug/l	99
11) Tert butyl alcohol	4.76	59	375362	232.795	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	465583	45.078	ug/l	99
13) Acrolein	3.60	56	257465	223.185	ug/l	100
14) Allyl chloride	4.31	41	731860	46.711	ug/l	99
15) Acrylonitrile	4.97	53	1062716	233.943	ug/l	99
16) Acetone	3.80	43	1140274	277.781	ug/l	99
17) Carbon Disulfide	4.05	76	1262862	44.732	ug/l	99
18) Methyl Acetate	4.31	43	504046	47.575	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1446431	46.900	ug/l	100
20) Methylene Chloride	4.54	84	536736	44.761	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	507352	46.080	ug/l	99
22) Diisopropyl ether	5.93	45	1431758	46.477	ug/l	98
23) Vinyl Acetate	5.88	43	5804413	237.776	ug/l	100
24) 1,1-Dichloroethane	5.84	63	893947	46.060	ug/l	98
25) 2-Butanone	6.82	43	1435805	246.017	ug/l	100
26) 2,2-Dichloropropane	6.81	77	777331	48.817	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	590270	46.491	ug/l	99
28) Bromochloromethane	7.18	49	426320	49.778	ug/l	100
29) Tetrahydrofuran	7.20	42	845222	226.546	ug/l	98
30) Chloroform	7.36	83	918827	45.320	ug/l	99
31) Cyclohexane	7.65	56	753733	44.435	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	823369	48.012	ug/l	99
36) 1,1-Dichloropropene	7.78	75	697747	46.944	ug/l	99
37) Ethyl Acetate	6.91	43	549327	45.982	ug/l	98
38) Carbon Tetrachloride	7.76	117	729958	46.232	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	838706	47.660	ug/l	98
40) Benzene	8.03	78	2091394	46.317	ug/l	99
41) Methacrylonitrile	7.17	41	251671m	50.299	ug/l	
42) 1,2-Dichloroethane	8.12	62	685306	47.362	ug/l	99
43) Isopropyl Acetate	8.15	43	1035178	52.615	ug/l	96
44) Trichloroethene	8.83	130	611661	46.731	ug/l	99
45) 1,2-Dichloropropane	9.11	63	545577	47.693	ug/l	100
46) Dibromomethane	9.20	93	358572	46.489	ug/l	99
47) Bromodichloromethane	9.40	83	732820	49.281	ug/l	100
48) Methyl methacrylate	9.19	41	441850	48.535	ug/l	98
49) 1,4-Dioxane	9.19	88	190876	930.383	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2709357	234.513	ug/l	100
52) Toluene	10.15	92	1356494	48.356	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	798782	50.219	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	881451	49.171	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	513347	46.817	ug/l	99
56) Ethyl methacrylate	10.42	69	753604	48.987	ug/l	99
57) 1,3-Dichloropropane	10.70	76	847273	46.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1025430	229.828	ug/l	99
59) 2-Hexanone	10.75	43	2060269	251.340	ug/l	99
60) Dibromochloromethane	10.90	129	596270	48.492	ug/l	100
61) 1,2-Dibromoethane	11.00	107	548432	48.178	ug/l	100
64) Tetrachloroethene	10.63	164	612171	45.051	ug/l	99
65) Chlorobenzene	11.43	112	1481076	47.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	569274	46.828	ug/l	99
67) Ethyl Benzene	11.51	91	2601715	48.411	ug/l	100
68) m/p-Xylenes	11.62	106	1981360	98.813	ug/l	99
69) o-Xylene	11.95	106	956997	48.745	ug/l	100
70) Styrene	11.96	104	1617593	53.216	ug/l	99
71) Bromoform	12.13	173	453527	48.687	ug/l #	99
73) Isopropylbenzene	12.25	105	2588141	49.935	ug/l	99
74) N-amyl acetate	12.07	43	764470	48.426	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	700475	49.682	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	571926m	48.552	ug/l	
77) Bromobenzene	12.53	156	694306	49.673	ug/l	99
78) n-propylbenzene	12.59	91	2764593	49.000	ug/l	99
79) 2-Chlorotoluene	12.67	91	1707917	50.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2206112	50.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	226104	45.250	ug/l	96
82) 4-Chlorotoluene	12.77	91	1654011	45.187	ug/l	100
83) tert-Butylbenzene	12.99	119	1928790	49.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2062721	43.644	ug/l	99
85) sec-Butylbenzene	13.17	105	2435928	49.223	ug/l	100
86) p-Isopropyltoluene	13.29	119	2180579	44.184	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1098529	47.248	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1049996	46.430	ug/l	100
89) n-Butylbenzene	13.62	91	1614496	46.639	ug/l	99
90) Hexachloroethane	13.88	117	406765	49.434	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1062078	46.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	100710	44.922	ug/l	98

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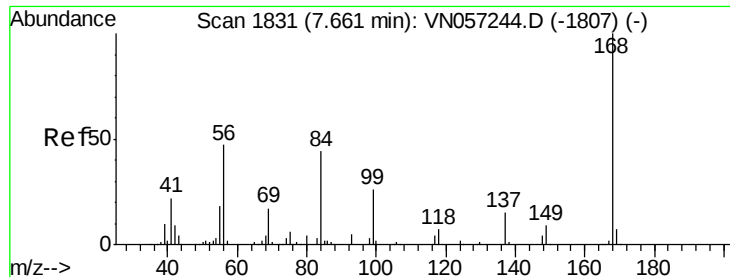
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442628	50.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	459087	53.391	ug/l	99
95) Naphthalene	15.13	128	752169	52.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	388298	49.020	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1186913

Ion Ratio Lower Upper

168 100

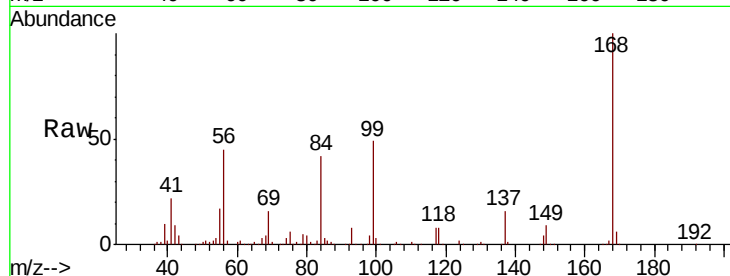
99 49.3 38.6 58.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

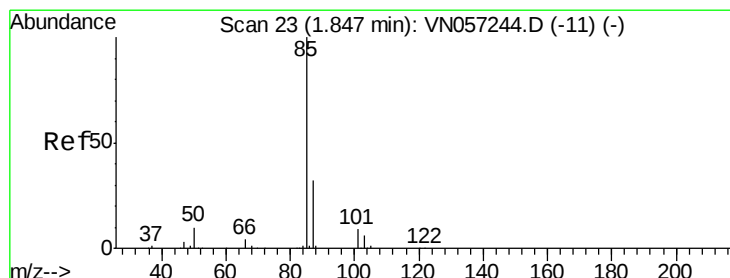
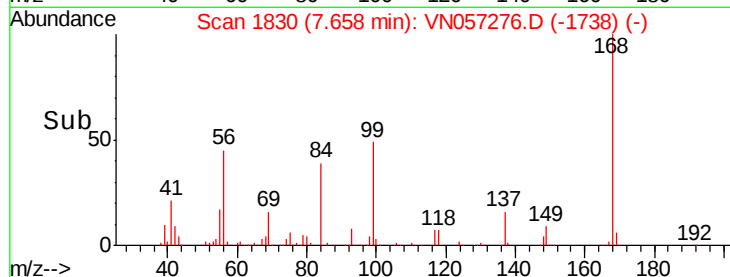
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.541 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057276.D

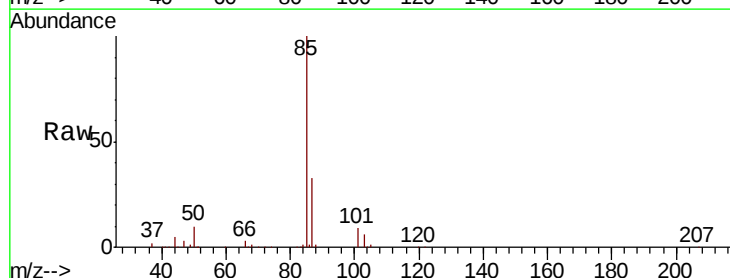
Acq: 14 Aug 2019 9:17

Tgt Ion: 85 Resp: 455664

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

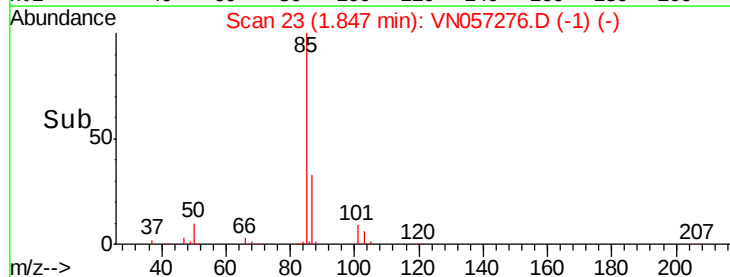
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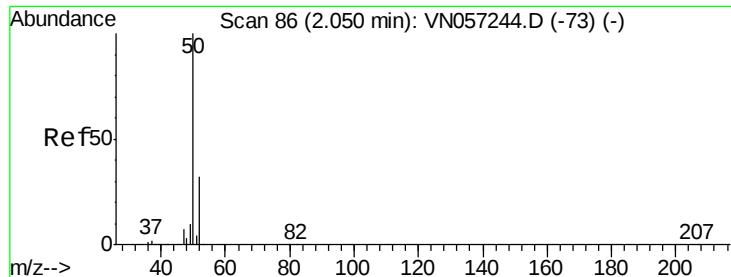
200000

100000

0

Time-->





#3

Chloromethane

Concen: 44.514 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 504936

Ion Ratio Lower Upper

50 100

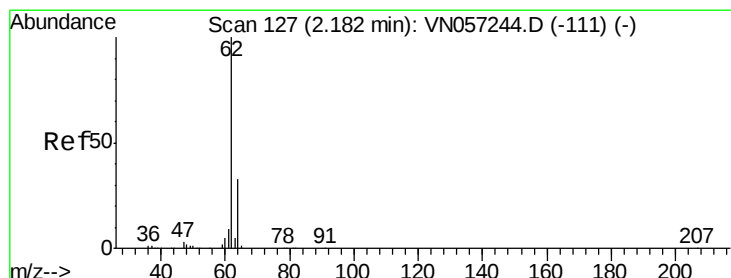
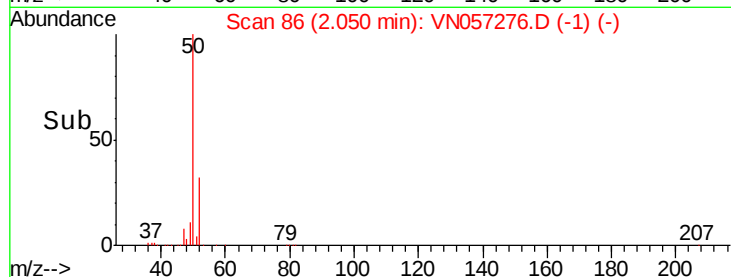
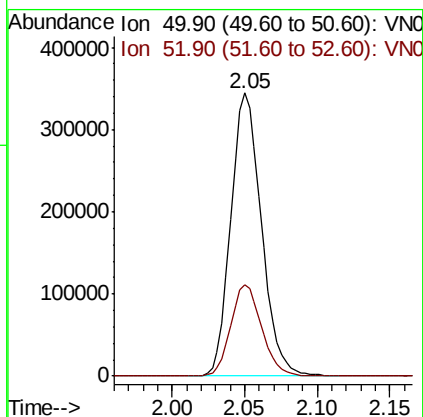
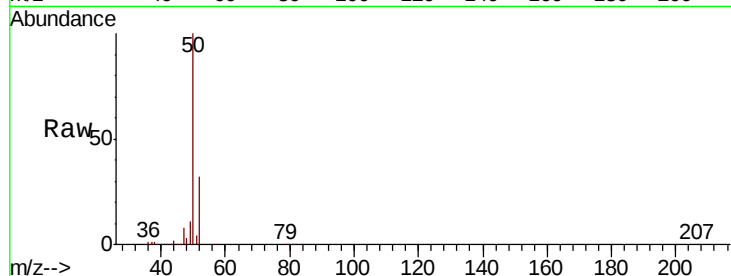
52 32.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.603 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057276.D

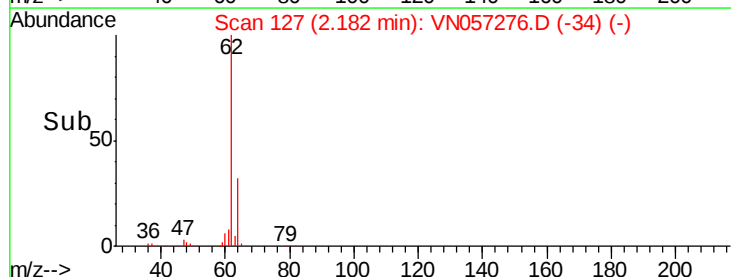
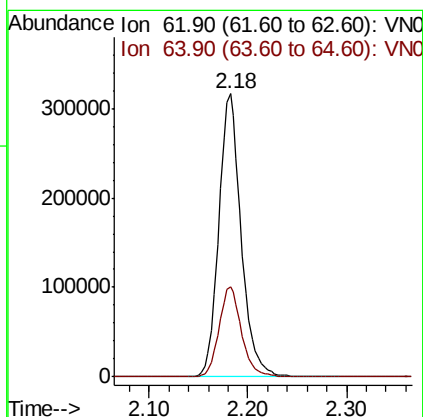
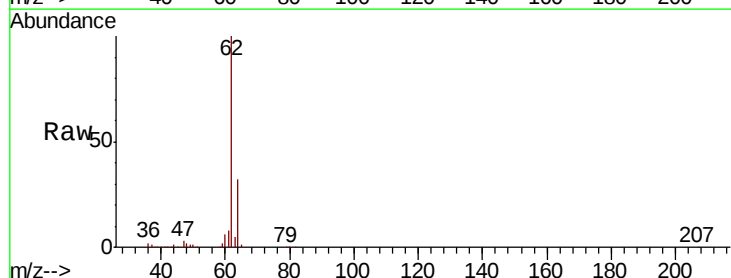
Acq: 14 Aug 2019 9:17

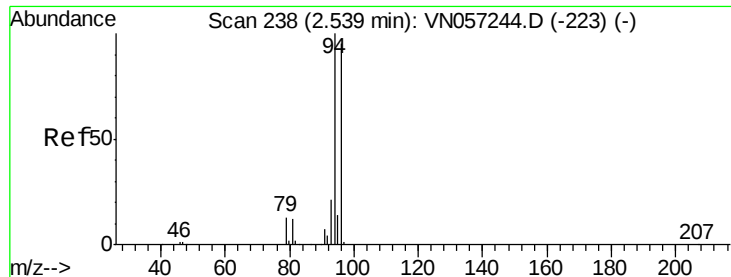
Tgt Ion: 62 Resp: 502466

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 48.214 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 382021

Ion Ratio Lower Upper

94 100

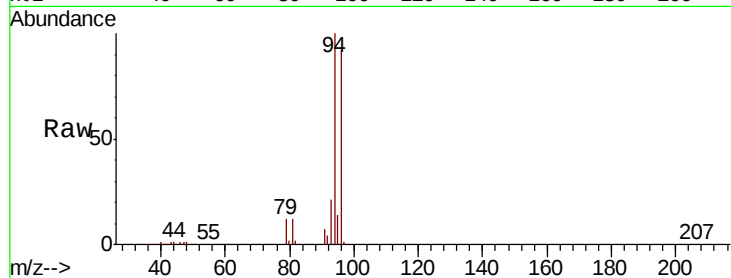
96 91.8 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN057276.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN057276.D (-145) (-)

2.54

200000

150000

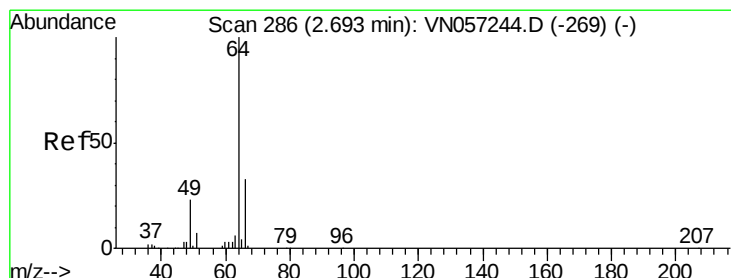
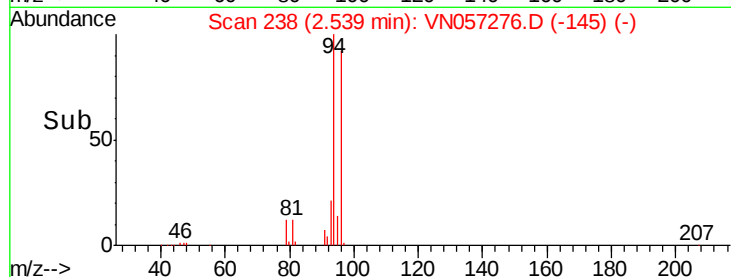
100000

50000

0

2.50 2.60 2.70

Time-->



#6

Chloroethane

Concen: 46.991 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057276.D

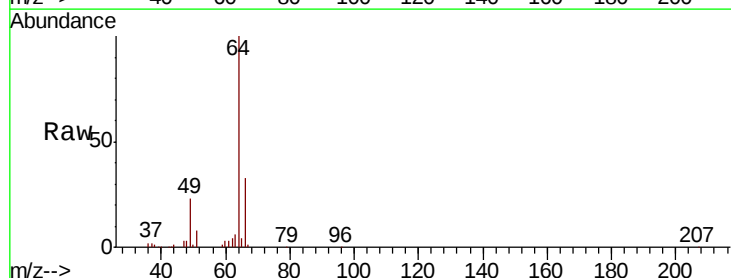
Acq: 14 Aug 2019 9:17

Tgt Ion: 64 Resp: 340446

Ion Ratio Lower Upper

64 100

66 32.8 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN057276.D (-193) (-)

Ion 65.90 (65.60 to 66.60): VN057276.D (-193) (-)

2.69

150000

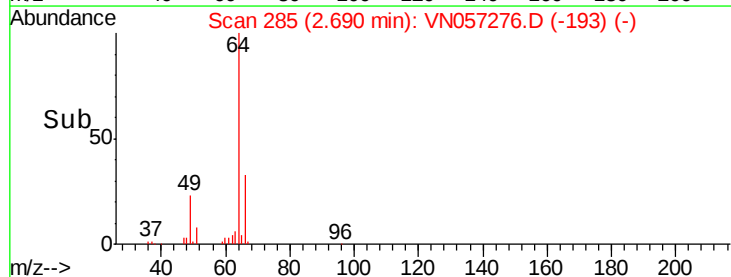
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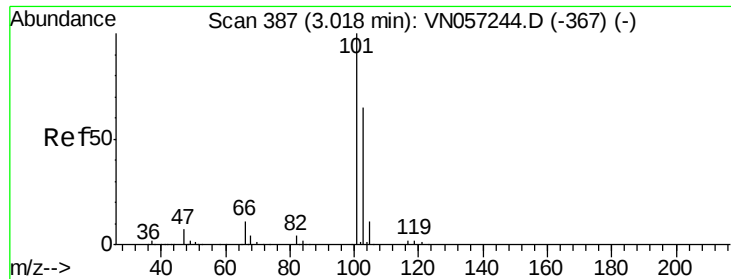
50000

0

2.60 2.70 2.80

Time-->





#7

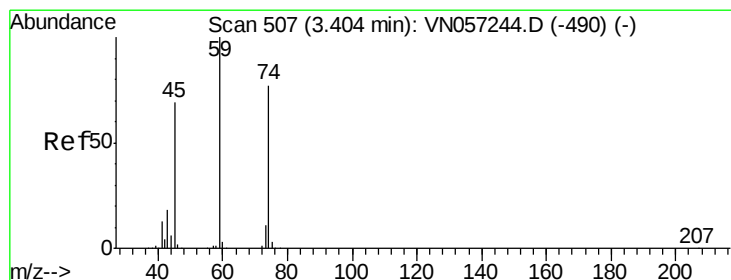
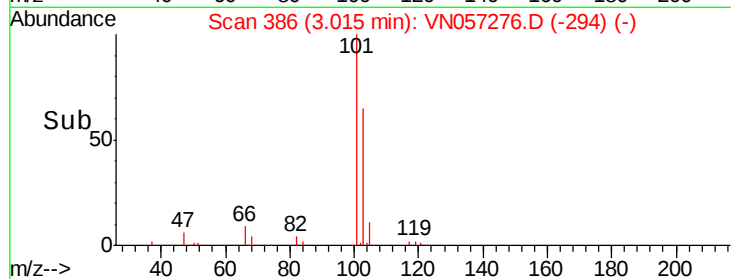
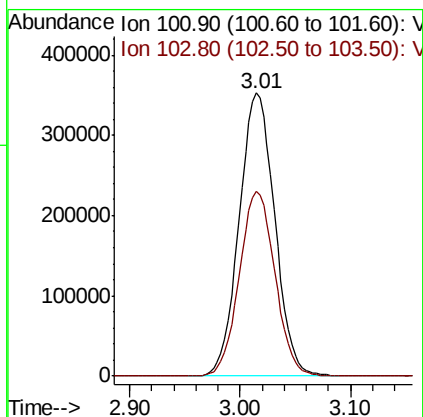
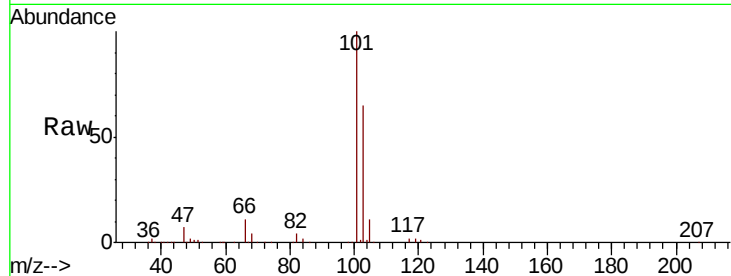
Trichlorofluoromethane
 Concen: 45.549 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

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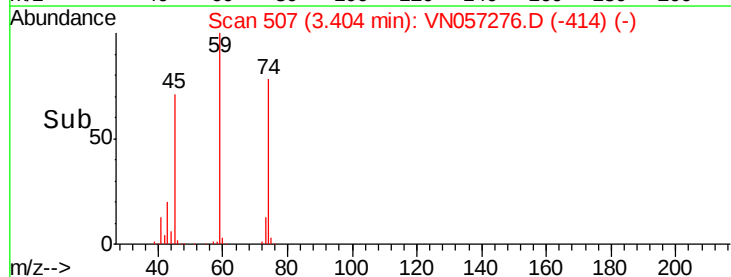
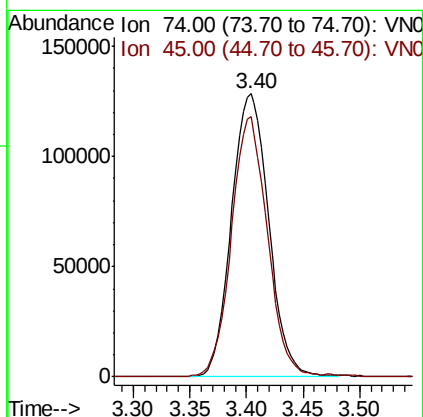
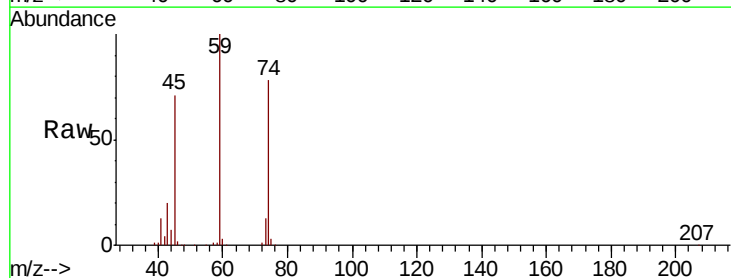
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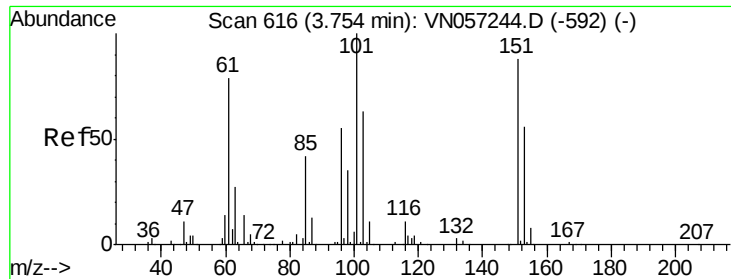


#8

Diethyl Ether
 Concen: 46.850 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	45.1	135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.202 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

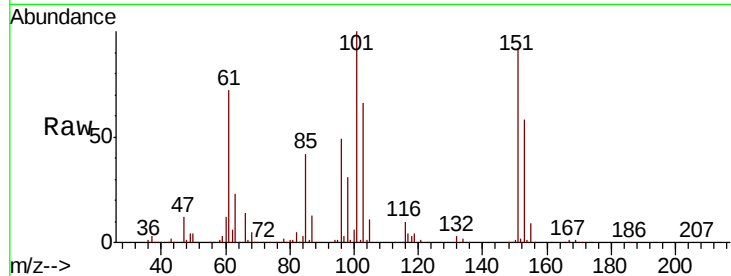
ClientSampleId :

VSTDCCC050

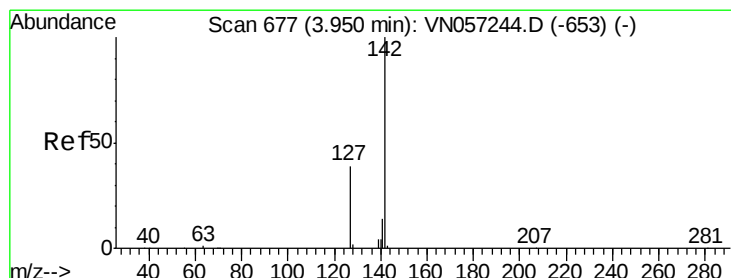
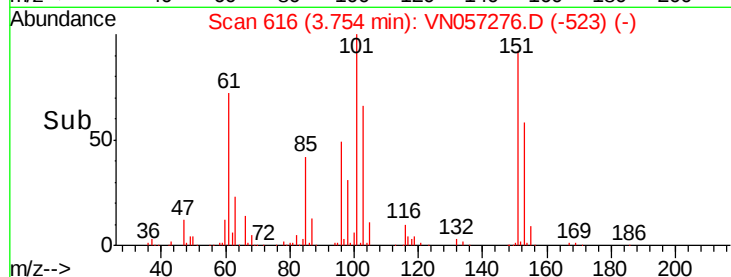
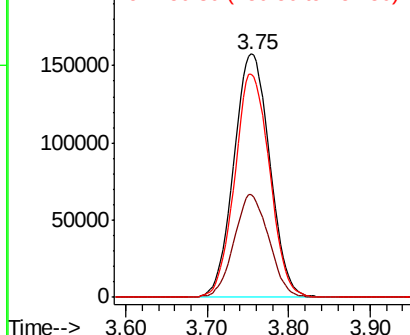
Tgt Ion:	101	Resp:	480948
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	89.2	70.1	105.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.841 ug/l

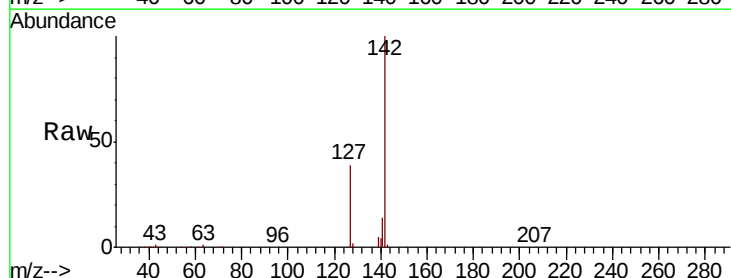
RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

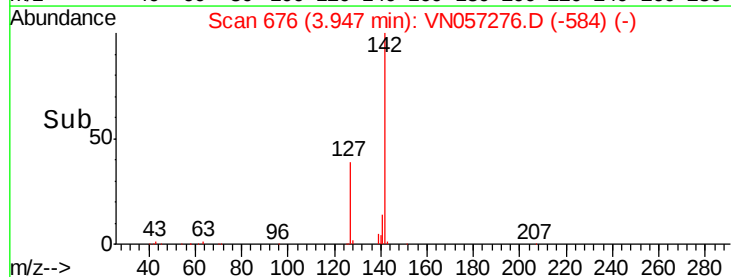
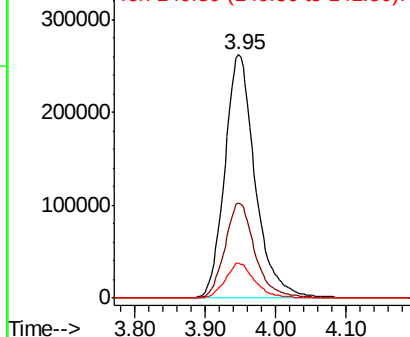
Lab File: VN057276.D

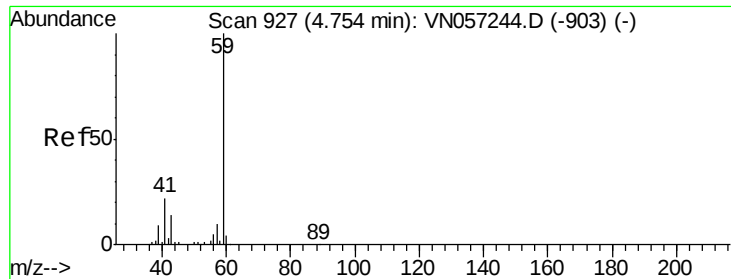
Acq: 14 Aug 2019 9:17

Tgt Ion:	142	Resp:	789804
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.7	46.1
141	14.1	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

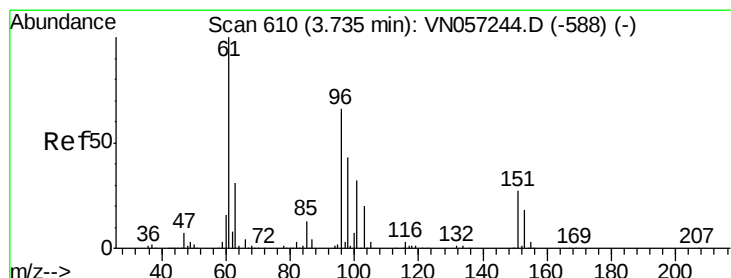
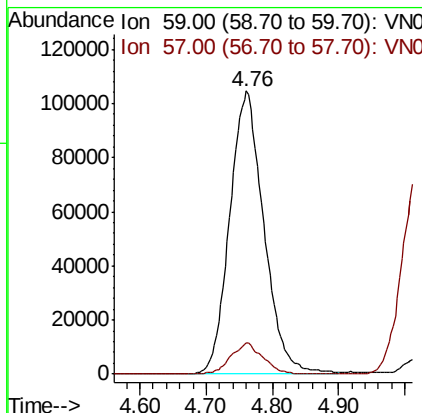
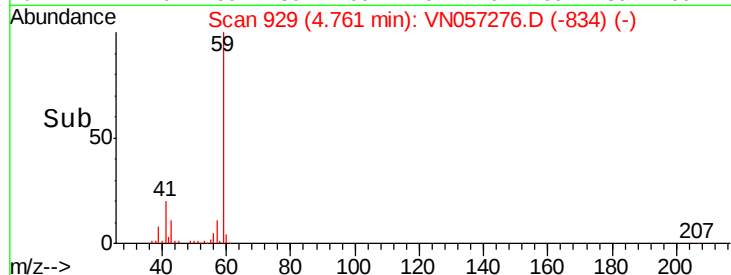
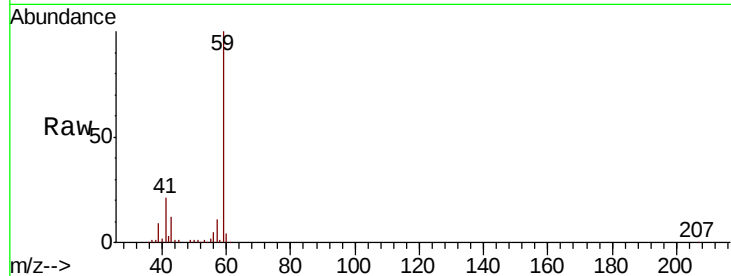
Tert butyl alcohol
 Concen: 232.795 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 59 Resp: 375362
 Ion Ratio Lower Upper
 59 100
 57 10.3 3.4 5.2#

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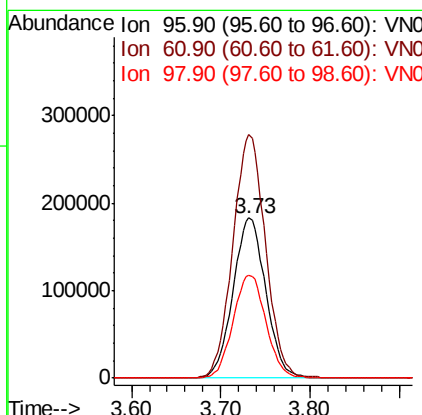
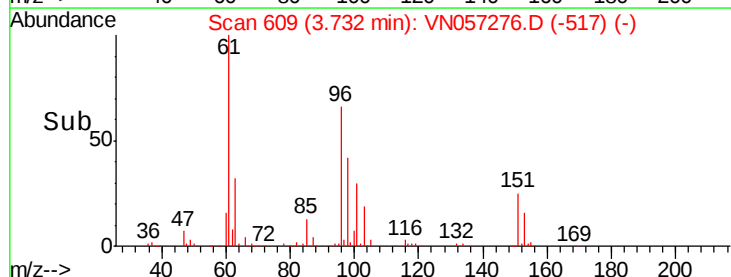
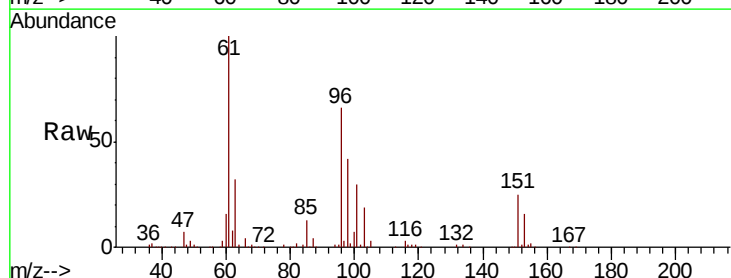
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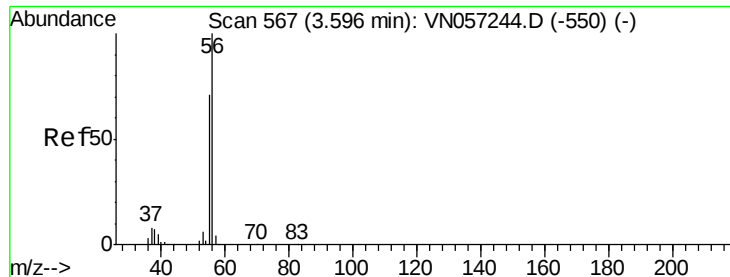


#12

1,1-Dichloroethene
 Concen: 45.078 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion: 96 Resp: 465583
 Ion Ratio Lower Upper
 96 100
 61 152.3 121.1 181.7
 98 64.5 52.0 78.0





#13

Acrolein

Concen: 223.185 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 257465

Ion Ratio Lower Upper

56 100

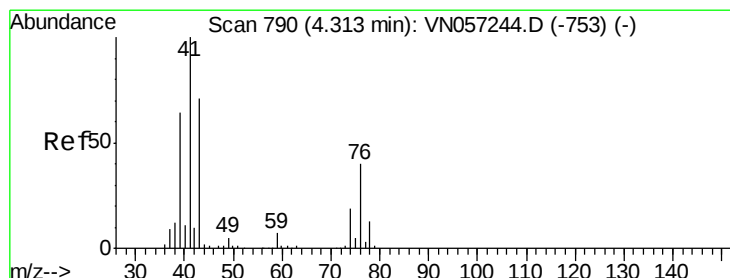
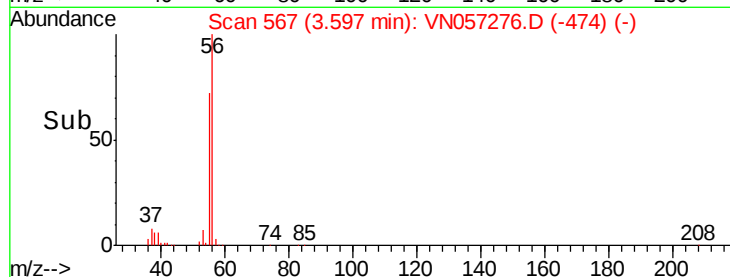
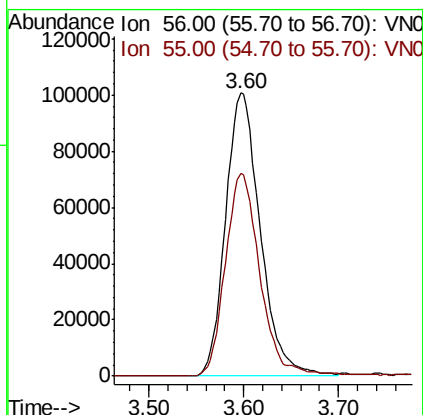
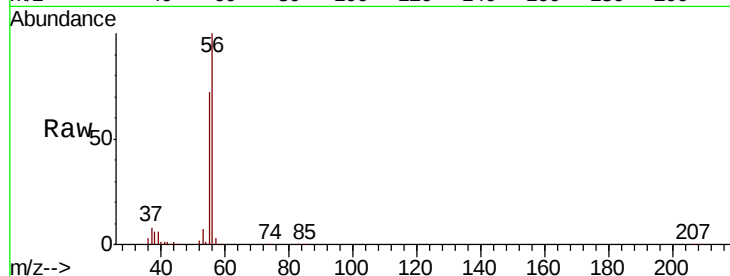
55 70.8 56.6 84.8

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#14

Allyl chloride

Concen: 46.711 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

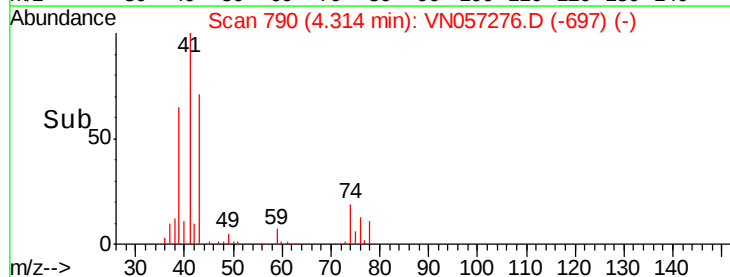
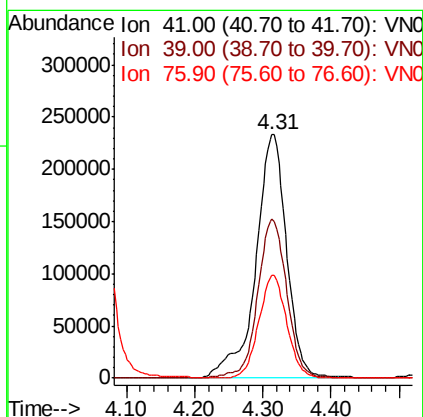
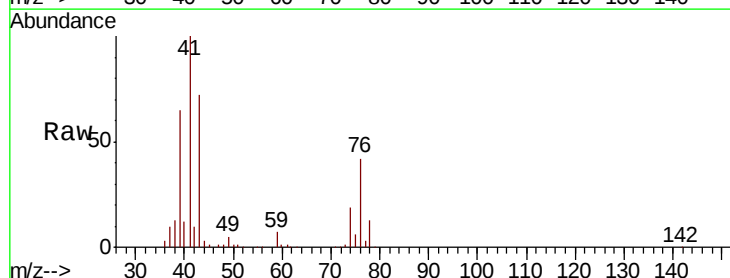
Tgt Ion: 41 Resp: 731860

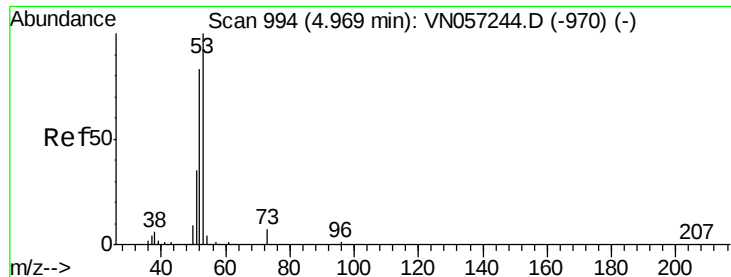
Ion Ratio Lower Upper

41 100

39 61.8 48.5 72.7

76 37.5 29.8 44.8





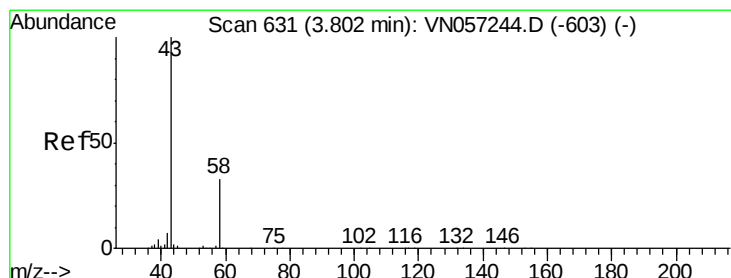
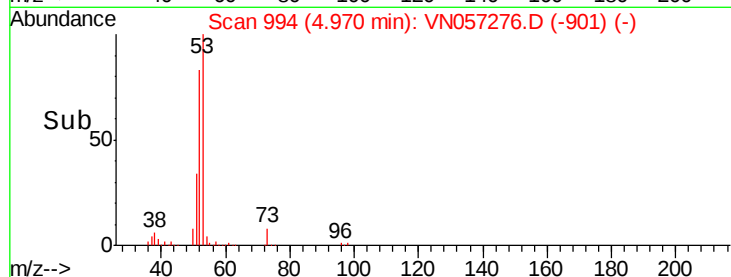
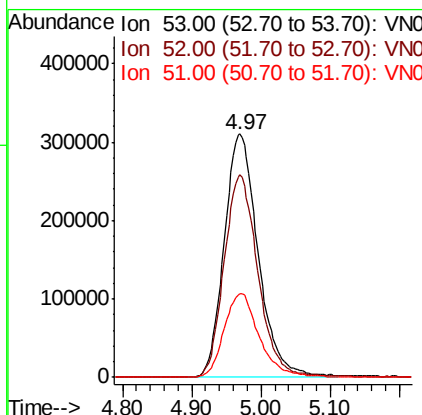
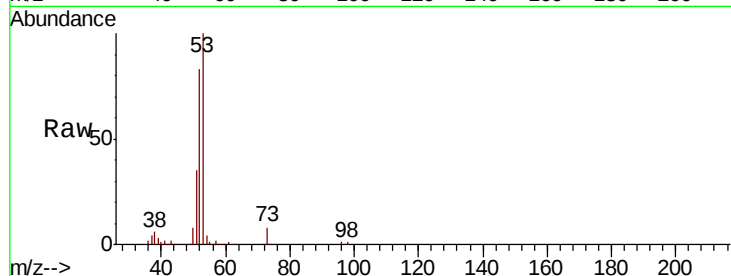
#15
Acrylonitrile
Concen: 233.943 ug/l
RT: 4.97 min Scan# 994
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 1062716
Ion Ratio Lower Upper
53 100
52 82.2 65.9 98.9
51 35.7 27.8 41.6

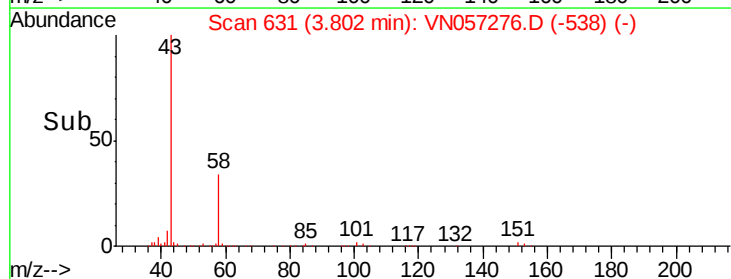
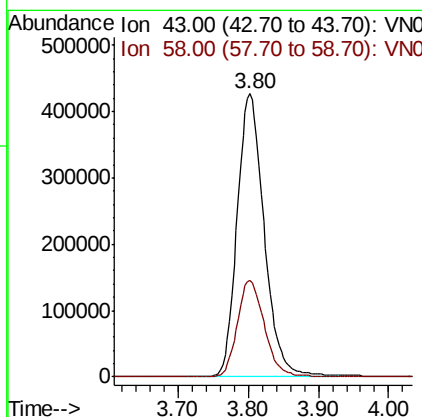
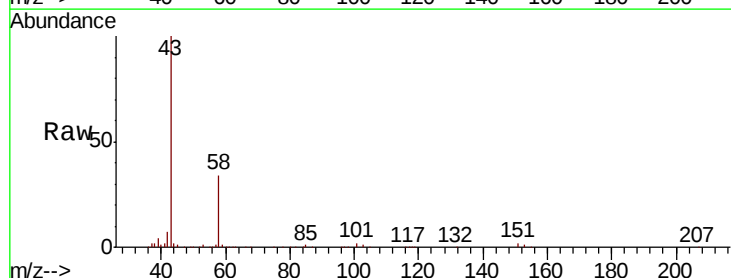
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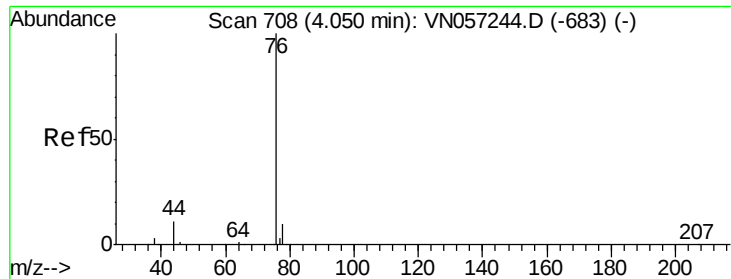
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#16
Acetone
Concen: 277.781 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 43 Resp: 1140274
Ion Ratio Lower Upper
43 100
58 34.0 26.7 40.1





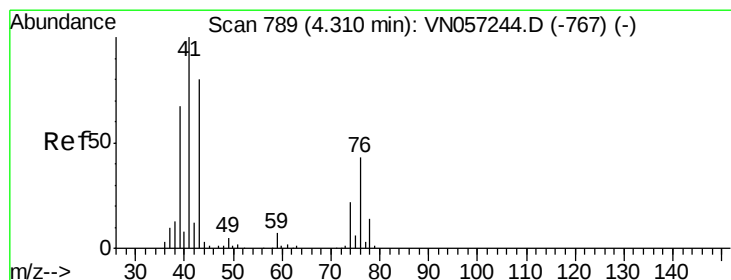
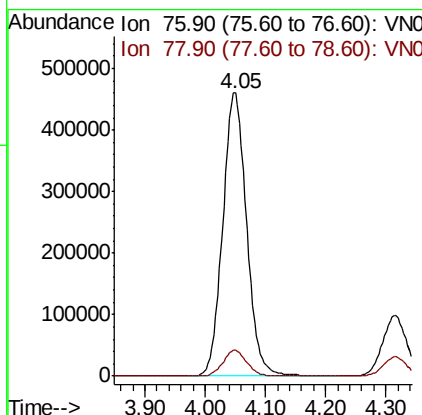
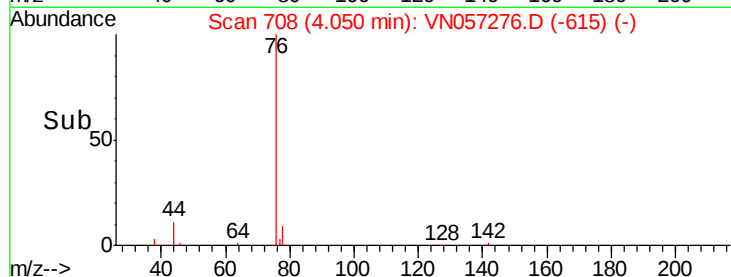
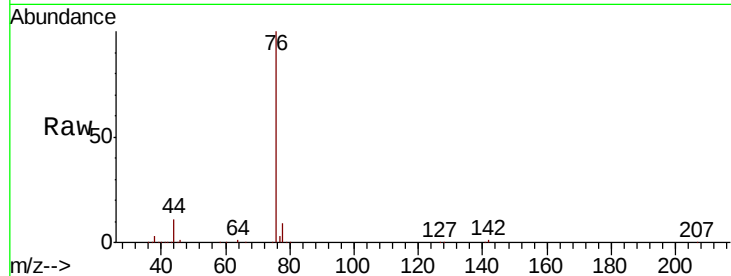
#17
Carbon Disulfide
Concen: 44.732 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1262862
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5

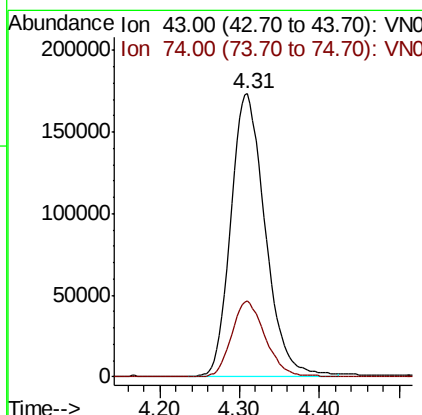
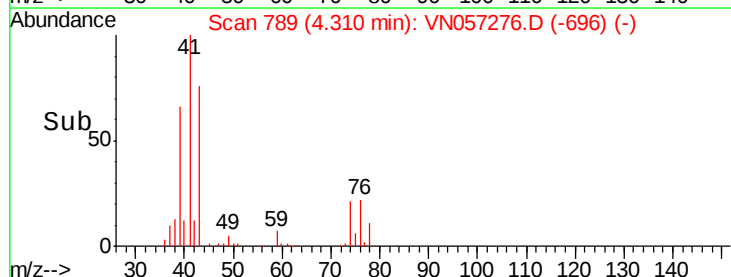
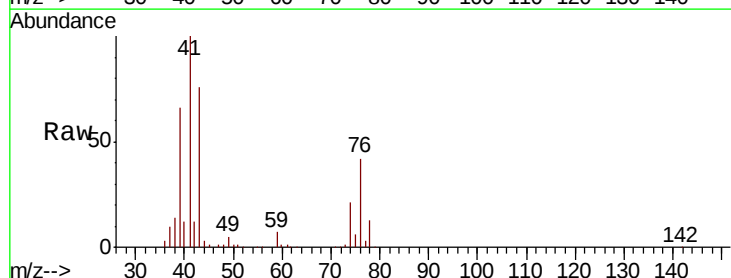
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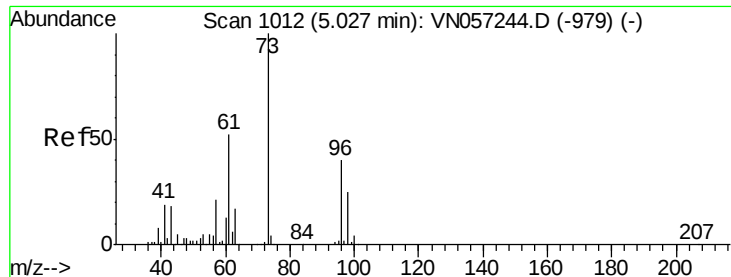
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#18
Methyl Acetate
Concen: 47.575 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 43 Resp: 504046
Ion Ratio Lower Upper
43 100
74 26.3 20.6 31.0





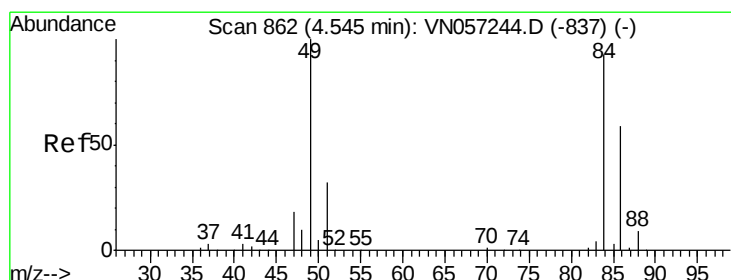
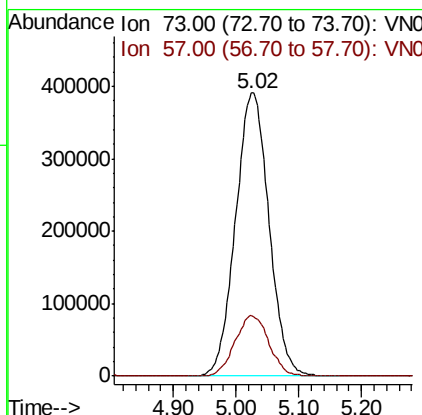
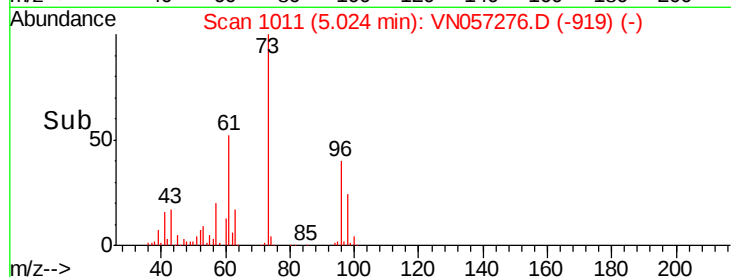
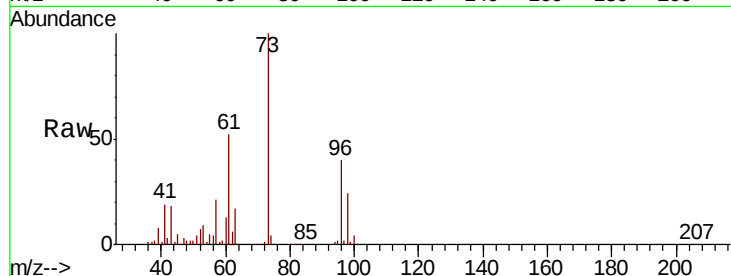
#19
Methyl tert-butyl Ether
Concen: 46.900 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1446431
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

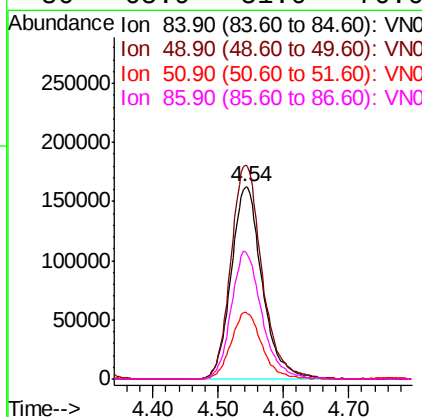
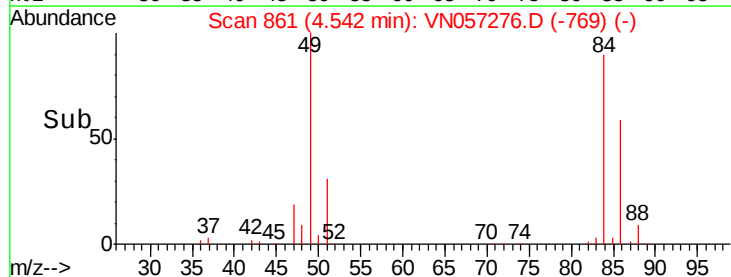
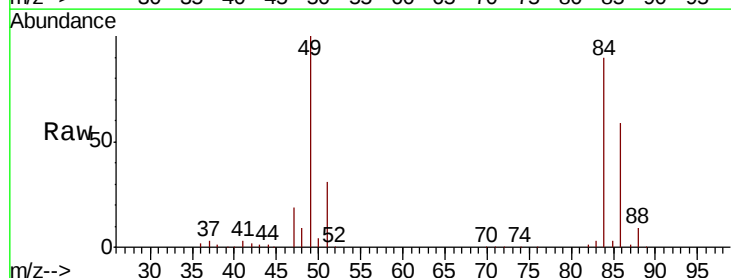
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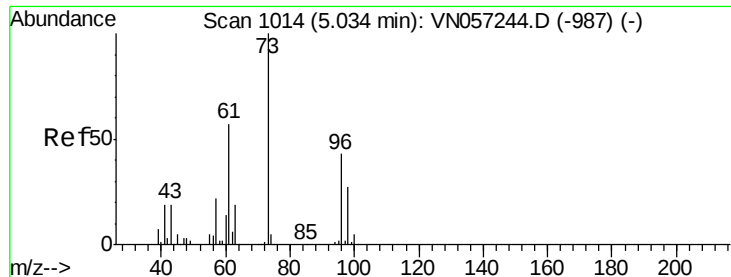
MMdadoda
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#20
Methylene Chloride
Concen: 44.761 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 84 Resp: 536736
Ion Ratio Lower Upper
84 100
49 111.1 85.9 128.9
51 34.6 27.1 40.7
86 65.9 51.0 76.6





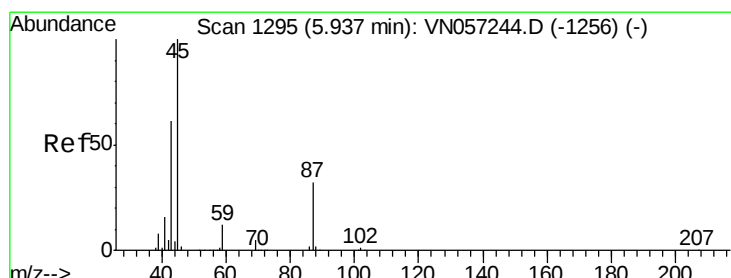
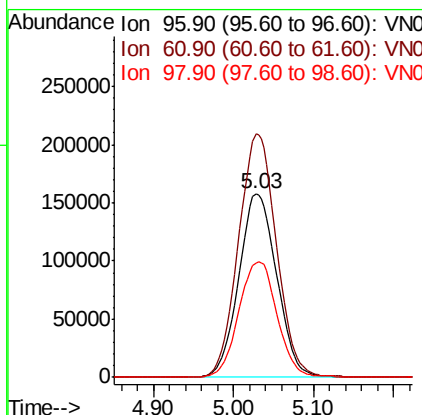
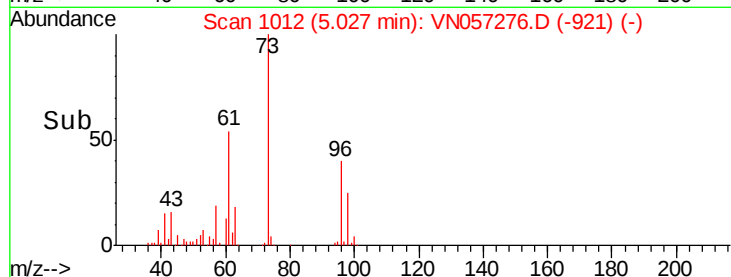
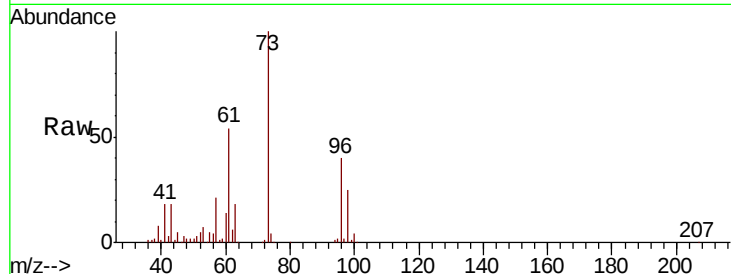
#21
trans-1,2-Dichloroethene
Concen: 46.080 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.7	104.6	156.8
98	62.6	49.7	74.5

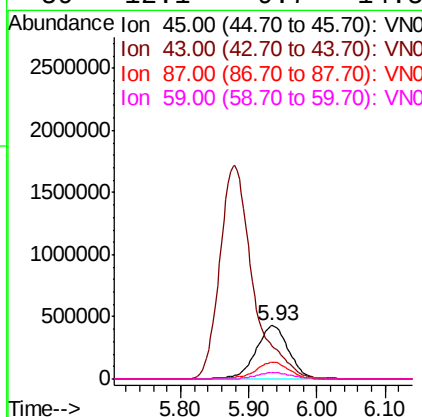
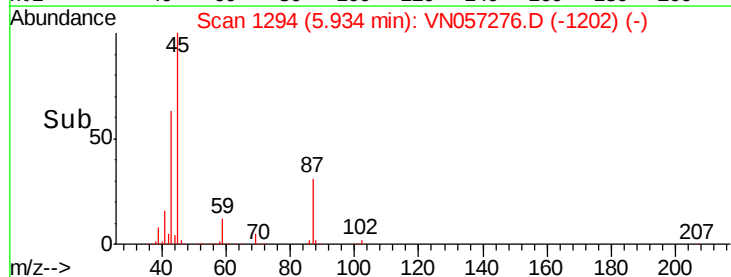
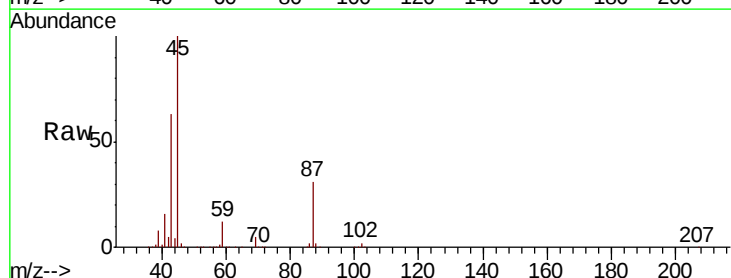
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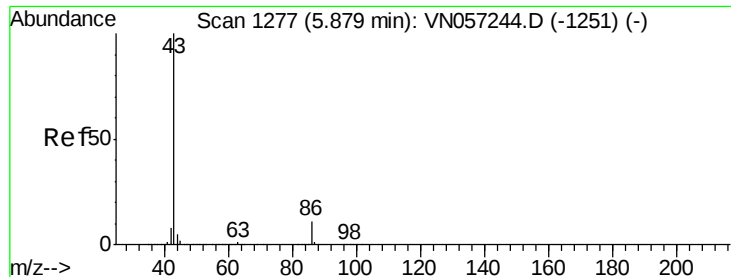
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#22
Diisopropyl ether
Concen: 46.477 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.9	73.3
87	30.8	25.5	38.3
59	12.1	9.7	14.5





#23

Vinyl Acetate

Concen: 237.776 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5804413

Ion Ratio Lower Upper

43 100

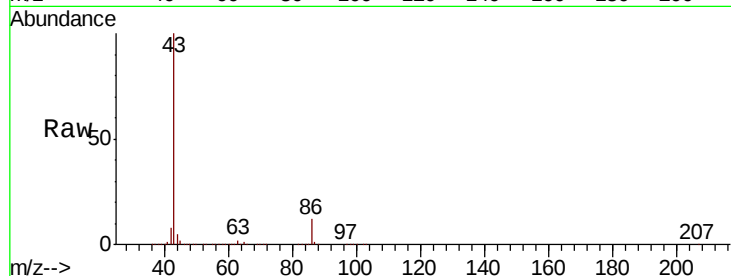
86 11.6 9.2 13.8

Manual Integrations

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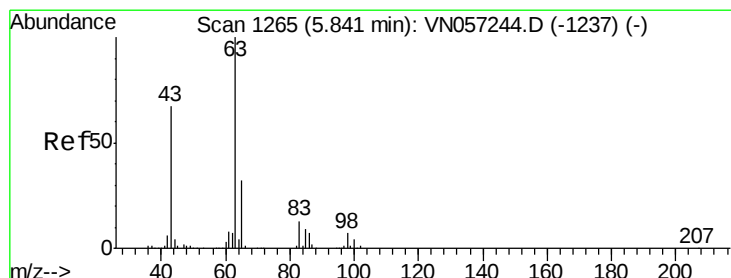
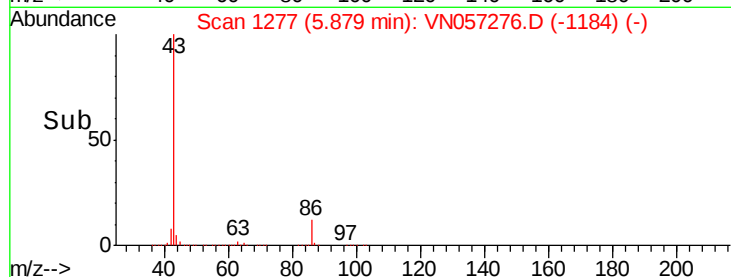
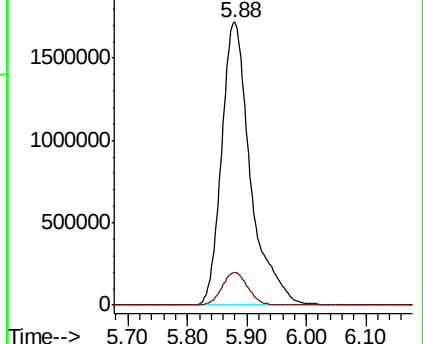
MMdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC



#24

1,1-Dichloroethane

Concen: 46.060 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

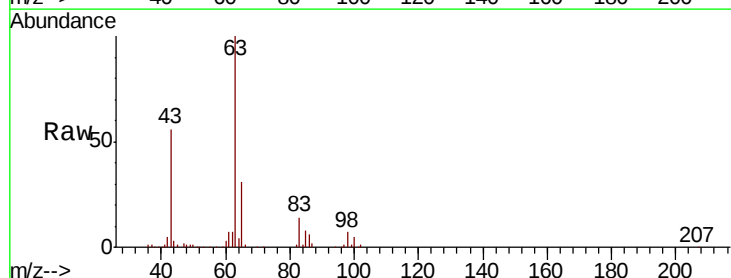
Tgt Ion: 63 Resp: 893947

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

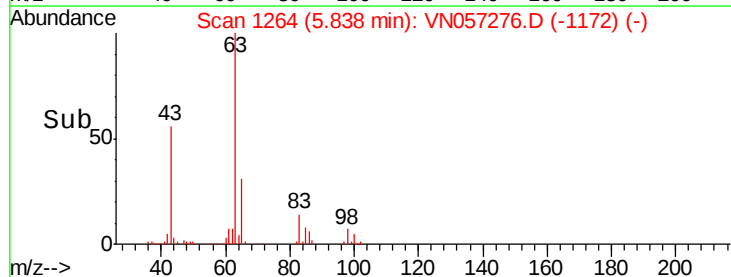
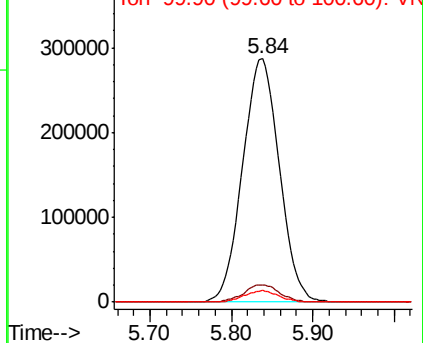
100 4.7 2.1 6.2

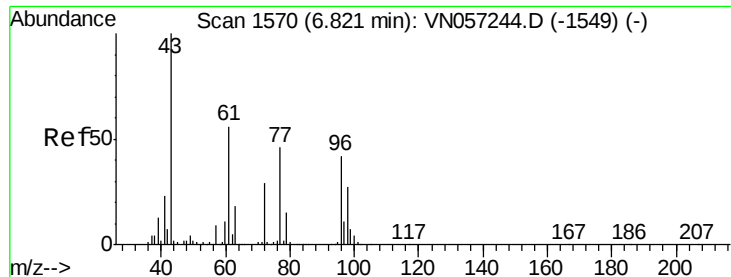


Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC





#25

2-Butanone

Concen: 246.017 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1435805

Ion Ratio Lower Upper

43 100

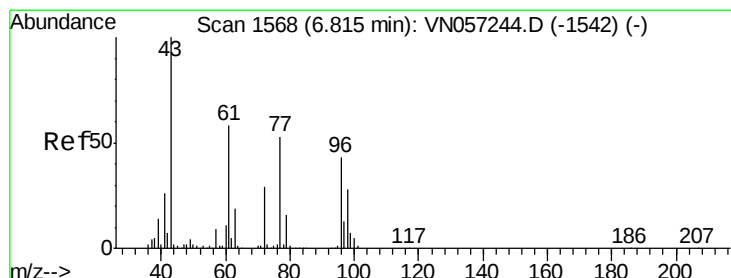
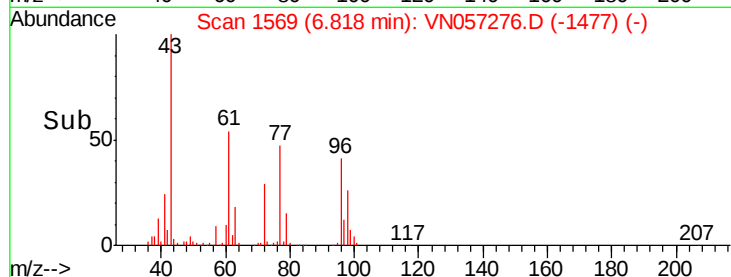
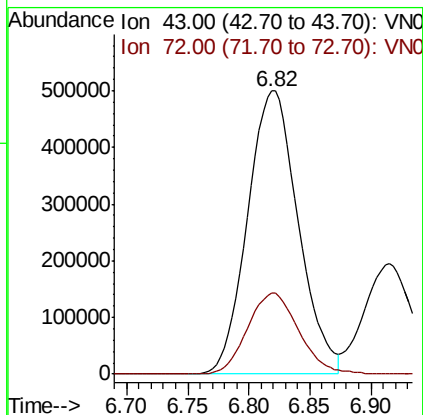
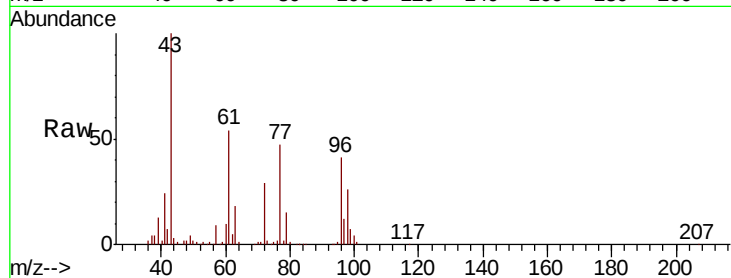
72 28.7 23.1 34.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.817 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057276.D

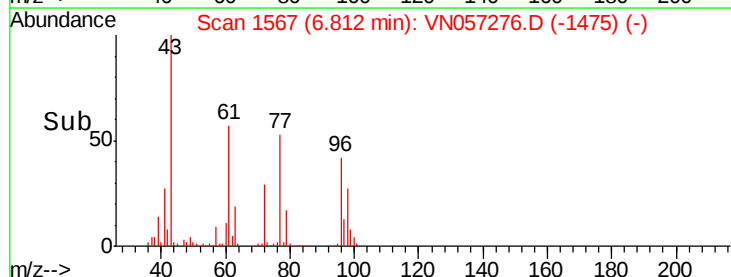
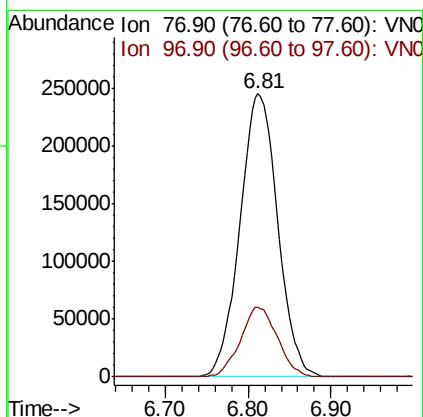
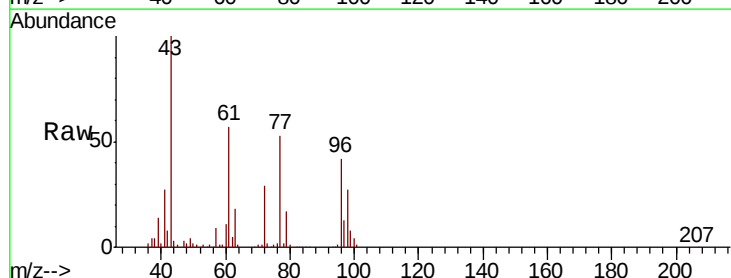
Acq: 14 Aug 2019 9:17

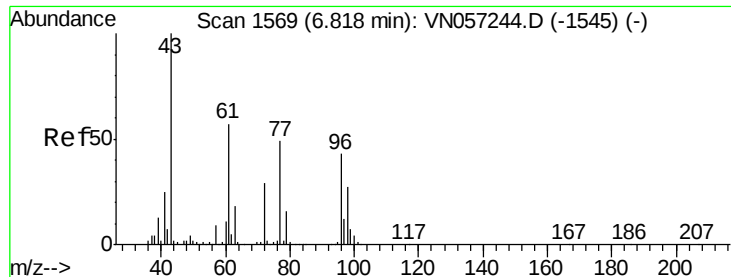
Tgt Ion: 77 Resp: 777331

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 46.491 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

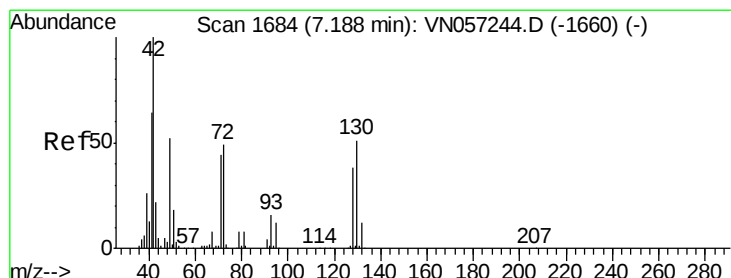
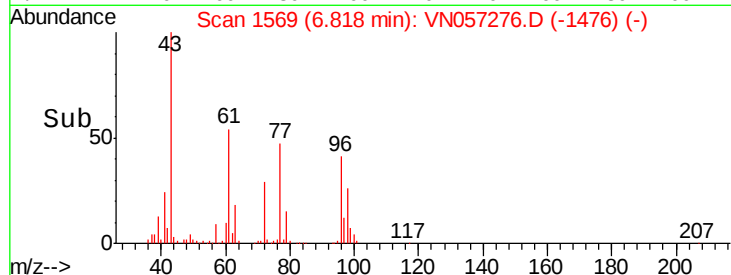
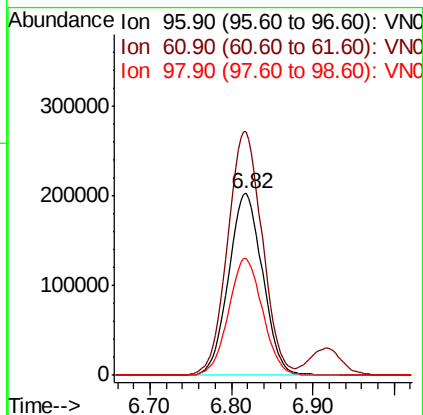
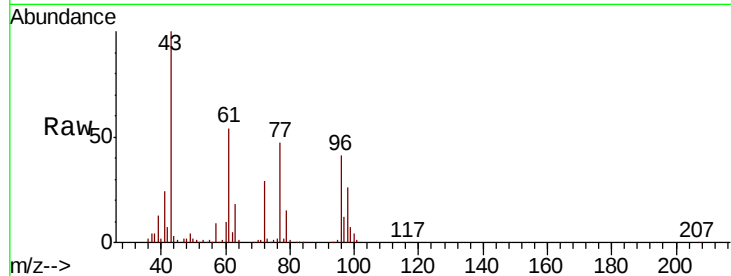
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	590270
Ion Ratio	Lower	Upper	
96	100		
61	136.5	0.0	271.0
98	64.3	0.0	129.2

Manual Integrations
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MMdadoda
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#28

Bromochloromethane

Concen: 49.778 ug/l

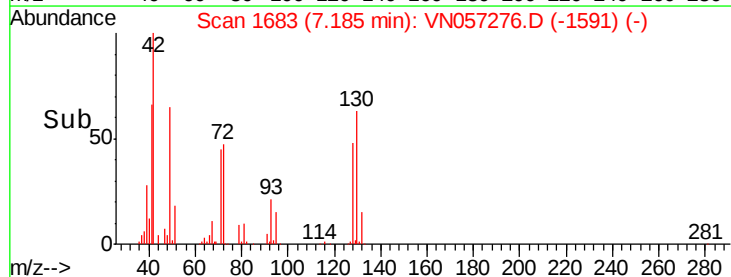
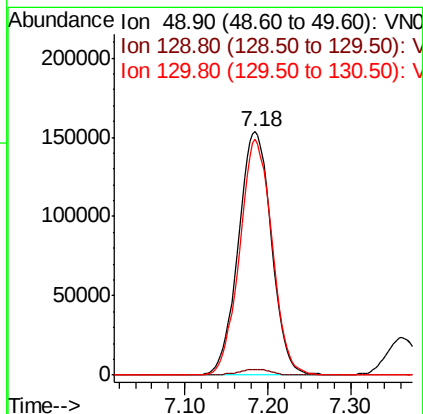
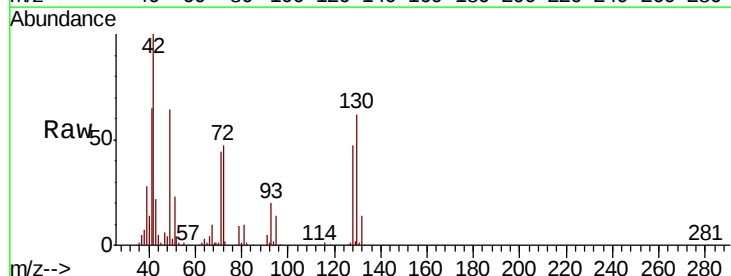
RT: 7.18 min Scan# 1683

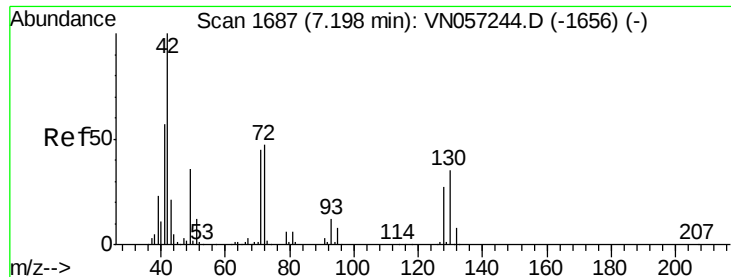
Delta R.T. -0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Tgt Ion:	49	Resp:	426320
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.0
130	94.6	75.6	113.4





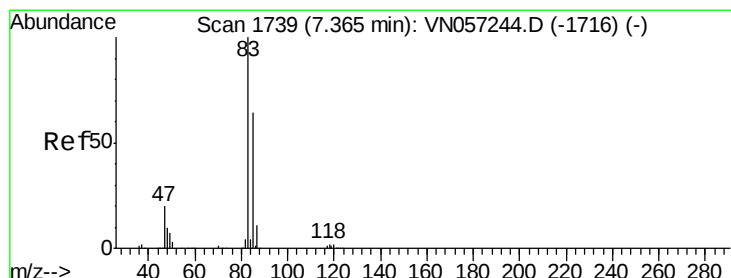
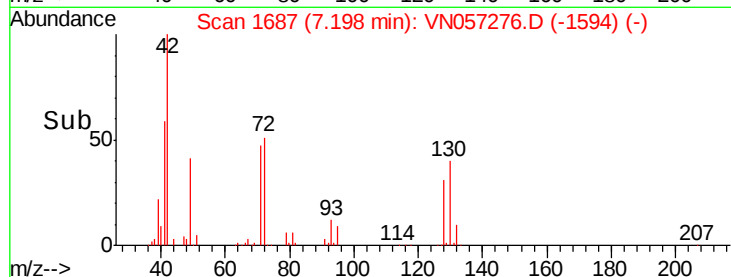
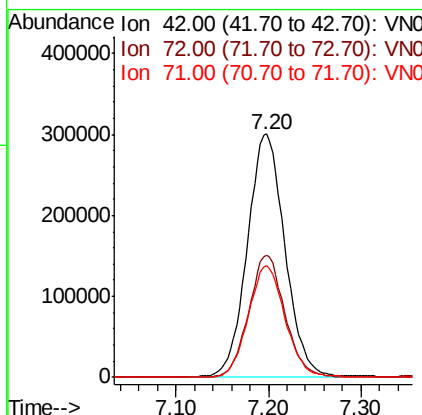
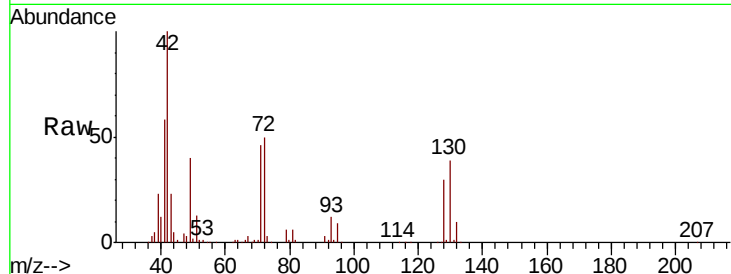
#29
Tetrahydrofuran
Concen: 226.546 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.6	56.4
71	45.1	35.6	53.4

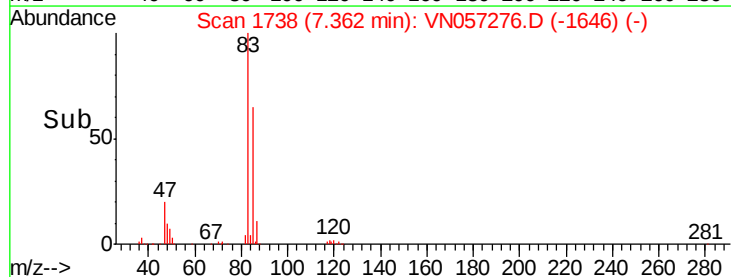
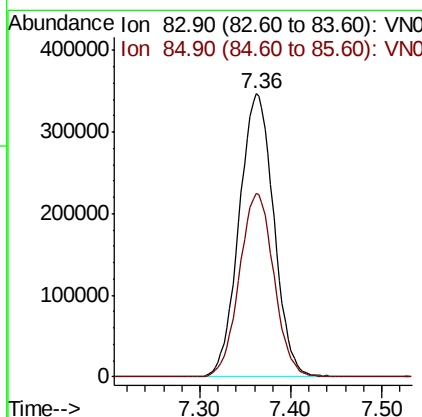
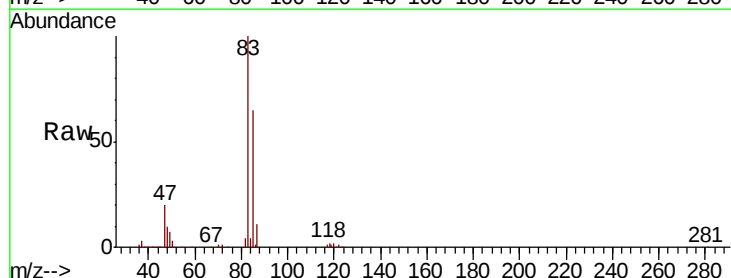
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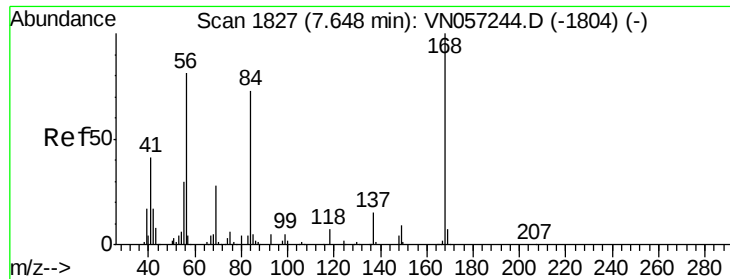
MMDadoda
8/19/2019 1:52:50 AM



#30
Chloroform
Concen: 45.320 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.3	76.9





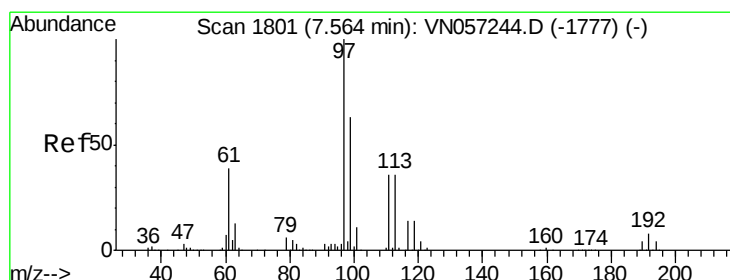
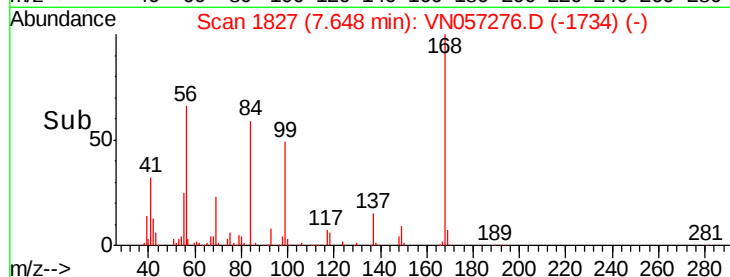
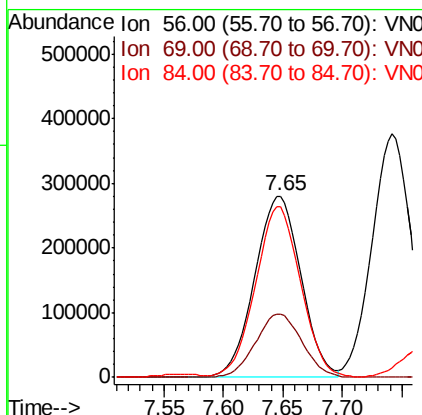
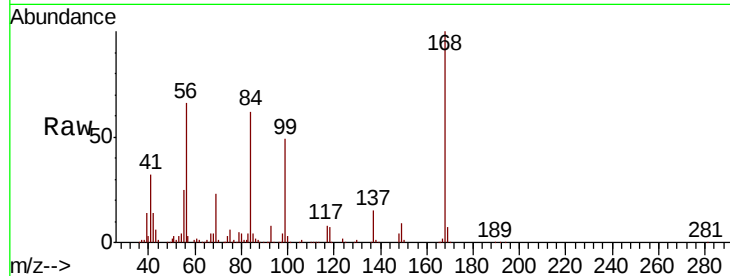
#31
Cyclohexane
Concen: 44.435 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.8	41.8
84	92.4	72.0	108.0

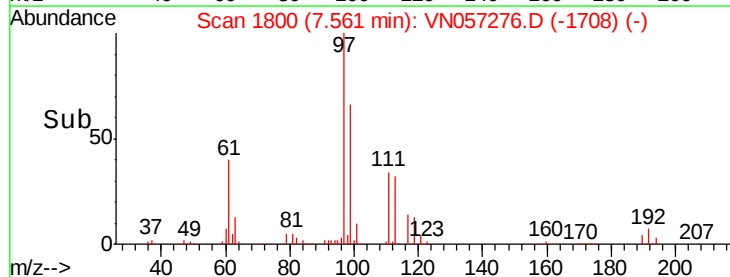
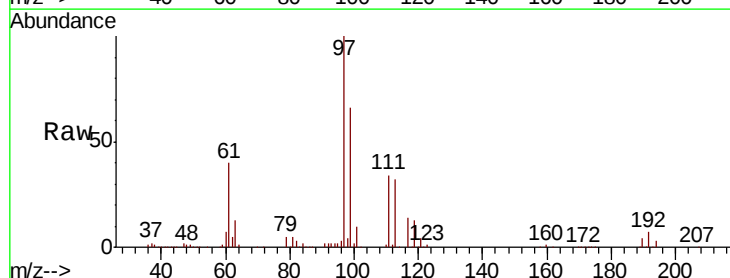
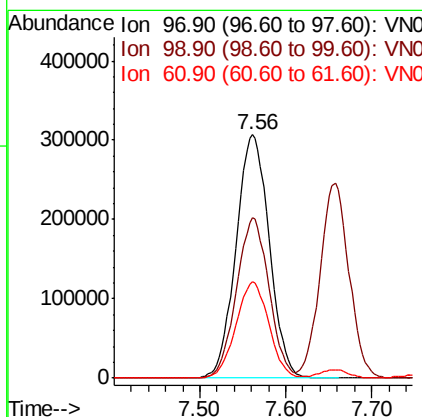
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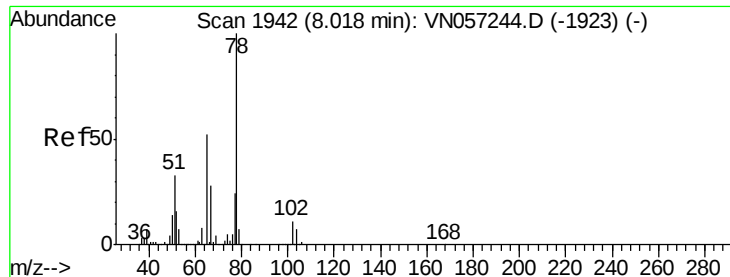
MMdadoda
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#32
1,1,1-Trichloroethane
Concen: 48.012 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	39.3	32.1	48.1





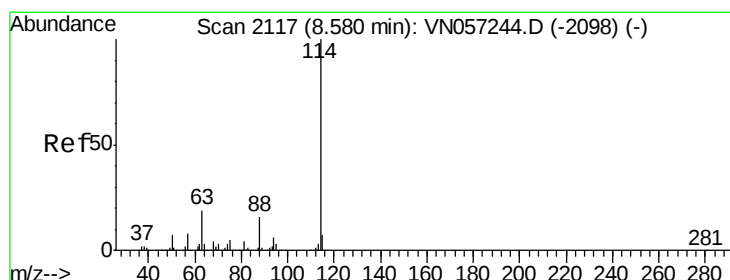
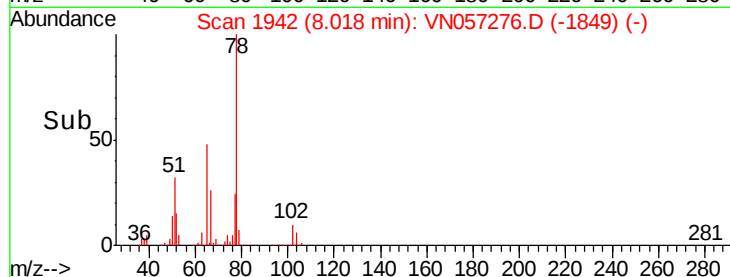
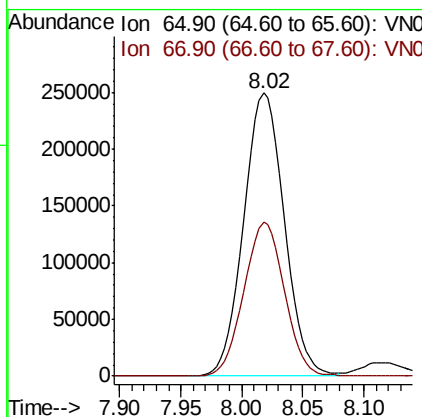
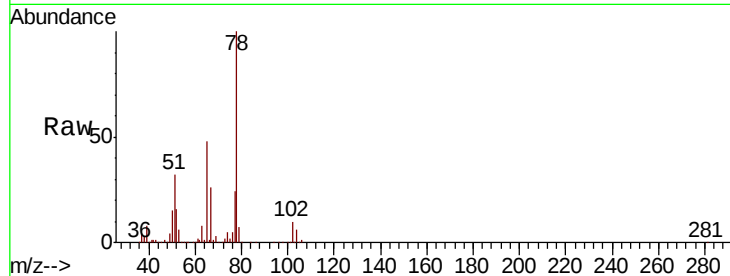
#33
 1,2-Dichloroethane-d4
 Concen: 48.098 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	575888		
67	54.3	0.0	107.0	

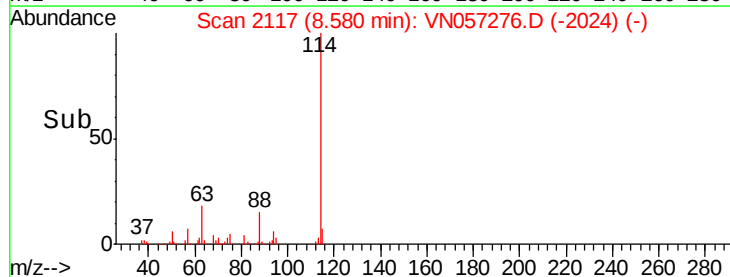
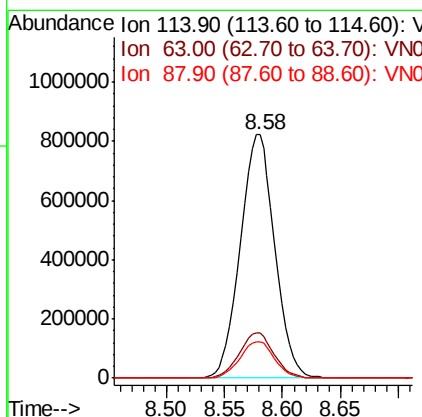
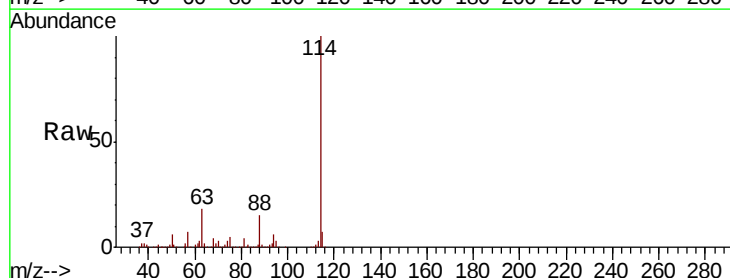
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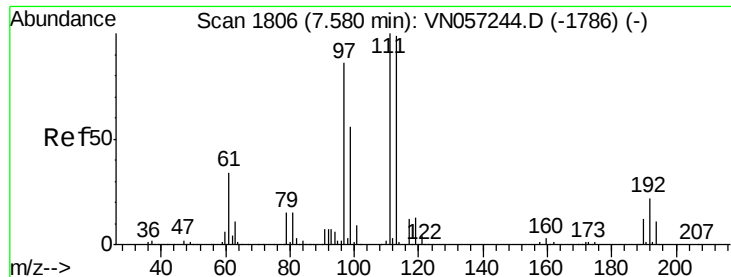
MMdadoda
 8/19/2019 1:52:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1700056		
63	18.4	0.0	37.0	
88	14.9	0.0	31.0	





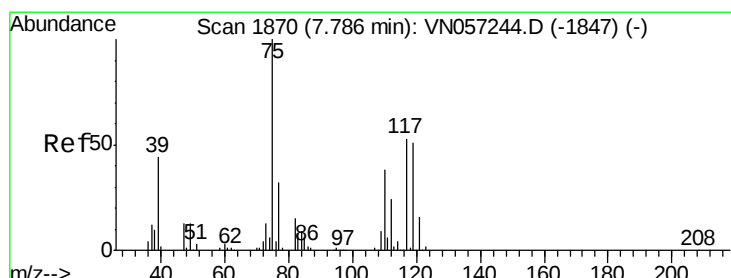
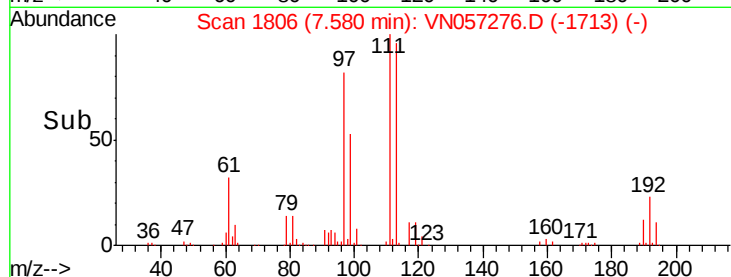
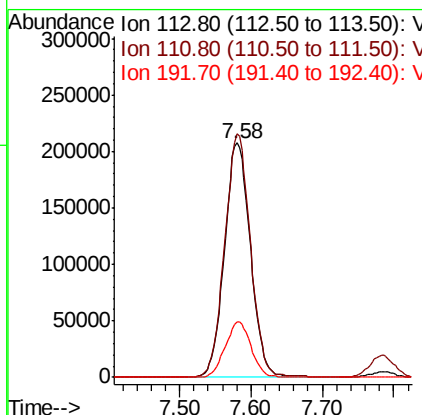
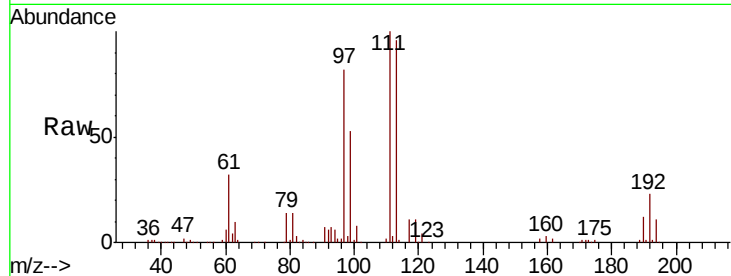
#35
 Dibromofluoromethane
 Concen: 48.490 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	526364		
111	102.2	81.4	122.2	
192	23.5	18.8	28.2	

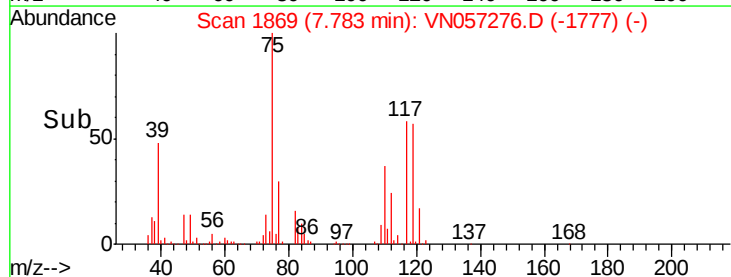
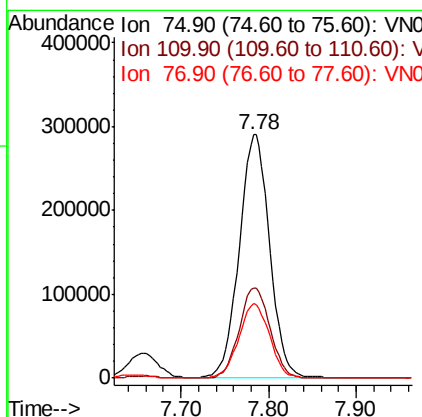
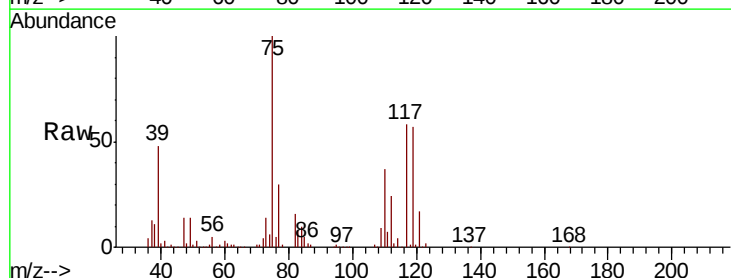
Manual Integrations
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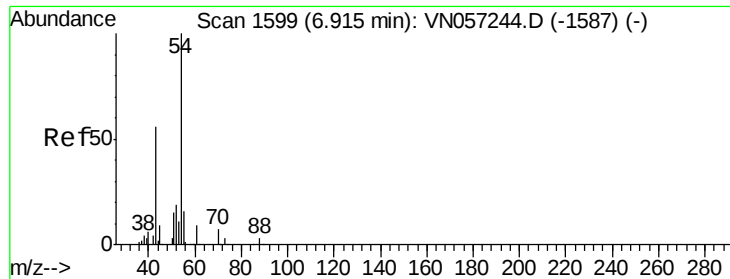
MMdadoda
 8/19/2019 1:52:50 AM



#36
 1,1-Dichloropropene
 Concen: 46.944 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	697747		
110	37.6	19.1	57.1	
77	31.2	25.2	37.8	





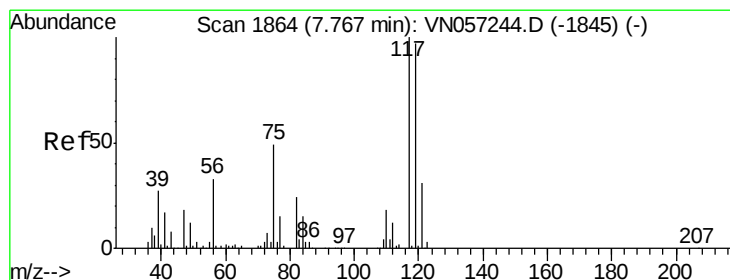
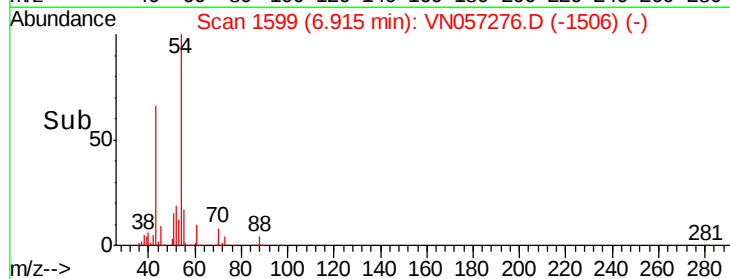
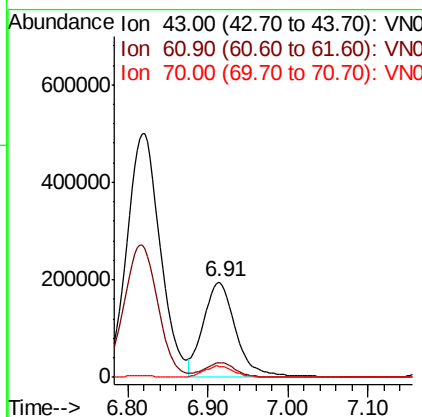
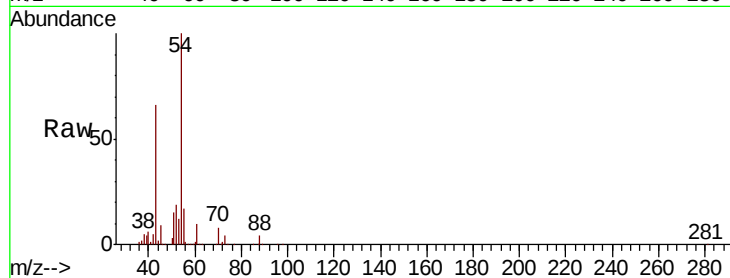
#37
Ethyl Acetate
Concen: 45.982 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.7	19.1
70	11.4	9.0	13.4

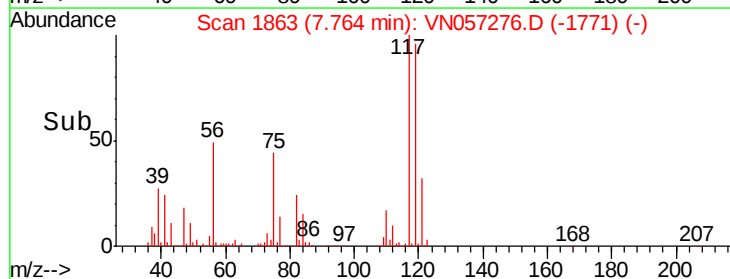
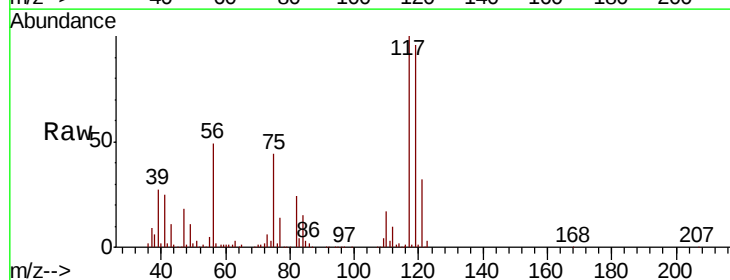
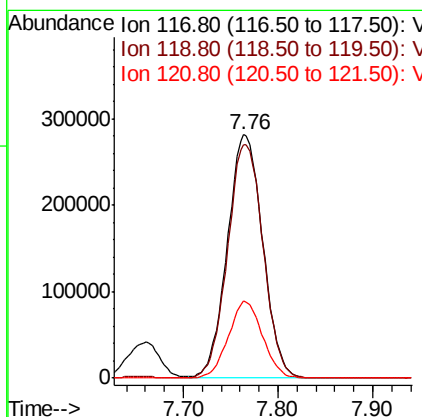
Manual Integrations
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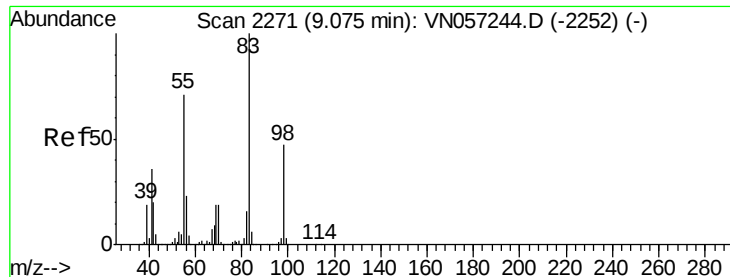
MMdadoda
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#38
Carbon Tetrachloride
Concen: 46.232 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.8	116.6
121	31.6	24.9	37.3





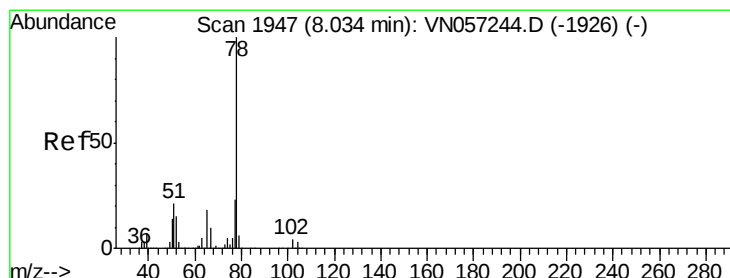
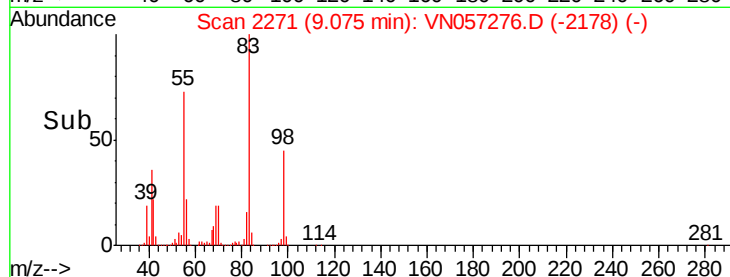
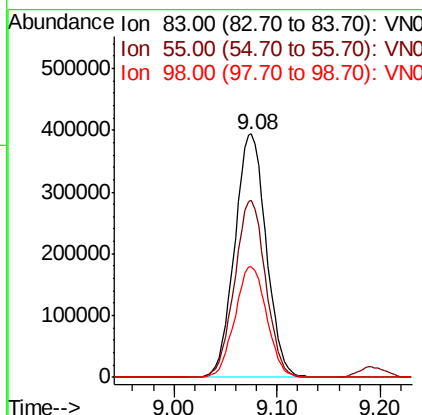
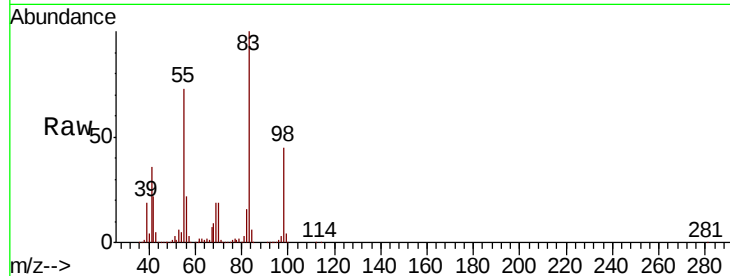
#39
Methylcyclohexane
Concen: 47.660 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.0	85.4
98	45.4	37.2	55.8

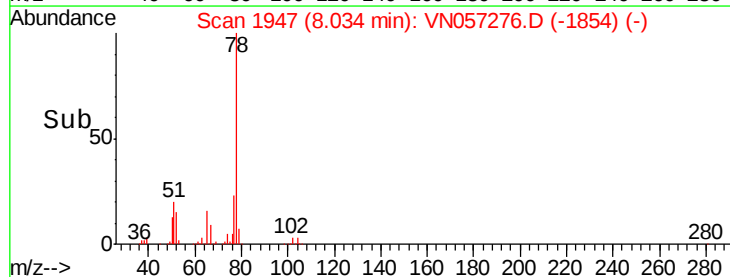
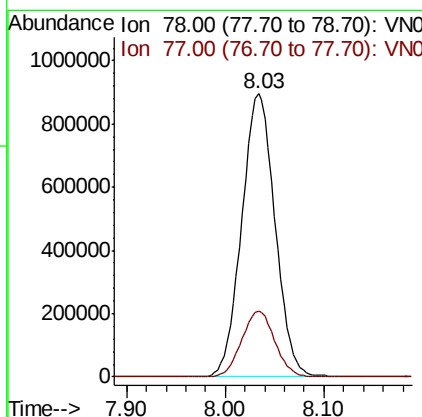
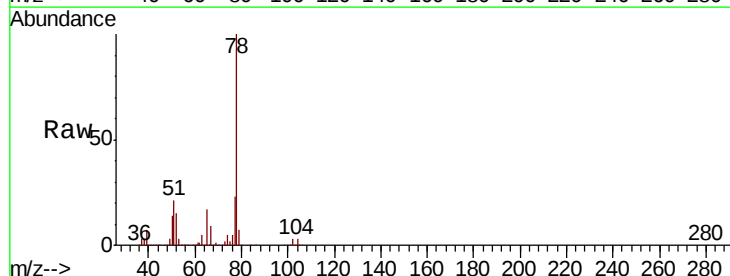
Manual Integrations
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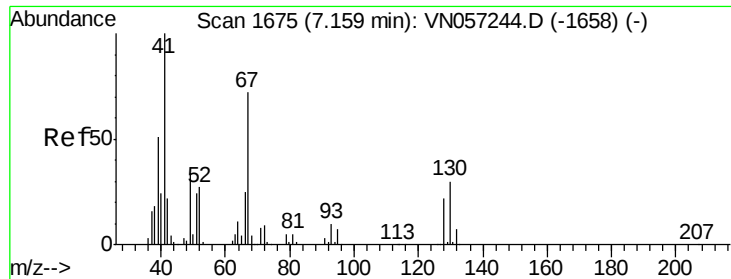
MMDadoda
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#40
Benzene
Concen: 46.317 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





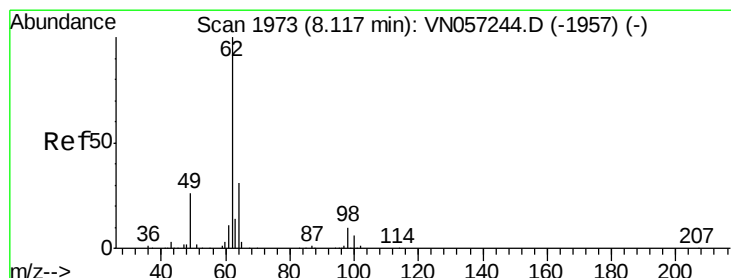
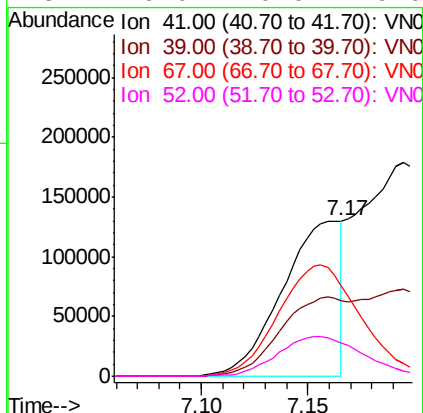
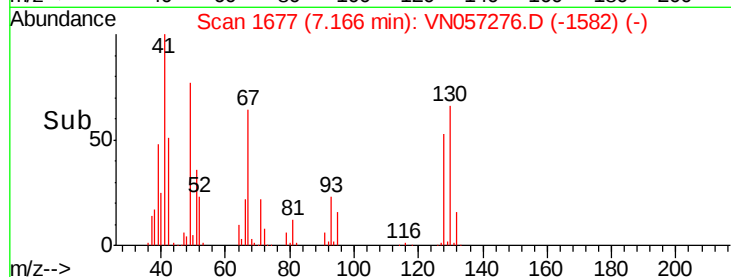
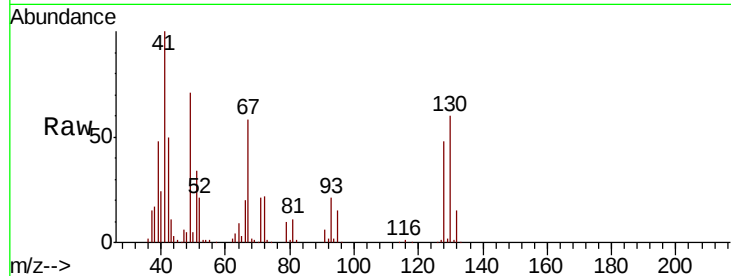
#41
Methacrylonitrile
Concen: 50.299 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

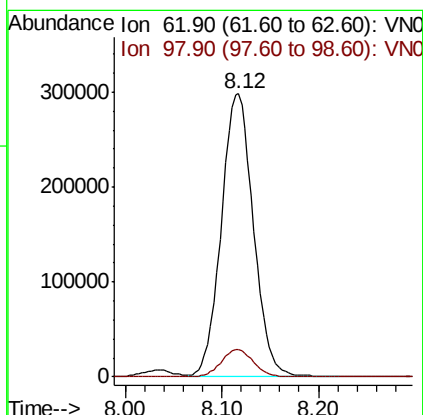
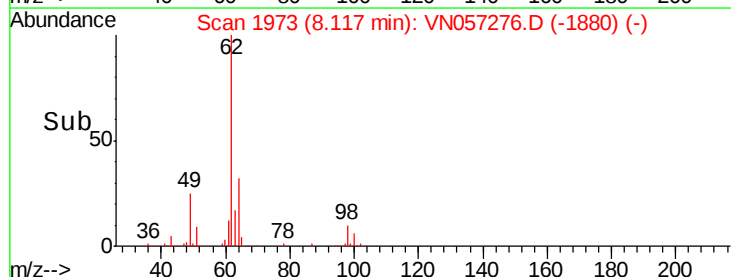
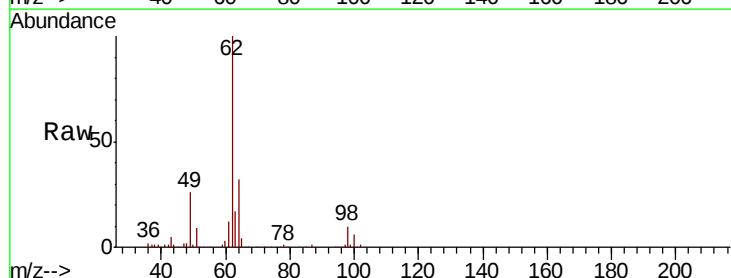
Manual Integrations
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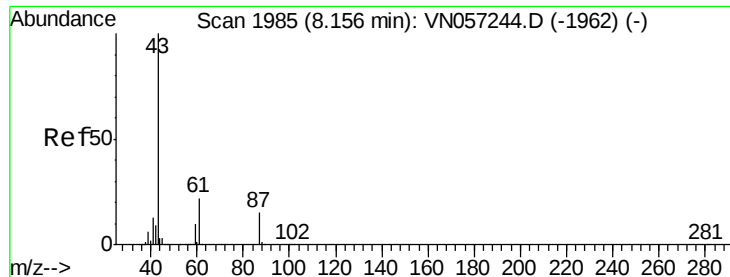
MMDadoda
8/19/2019 1:52:50 AM



#42
1,2-Dichloroethane
Concen: 47.362 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	9.7	0.0	20.0





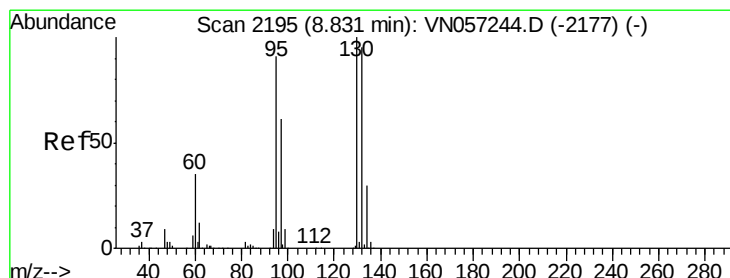
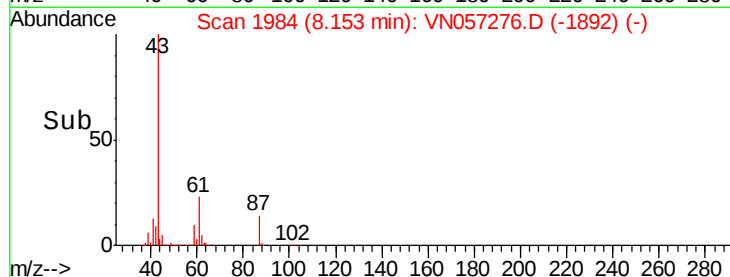
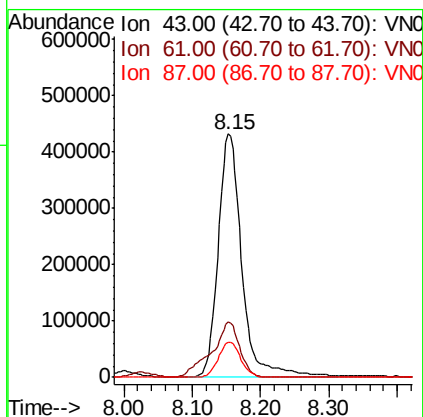
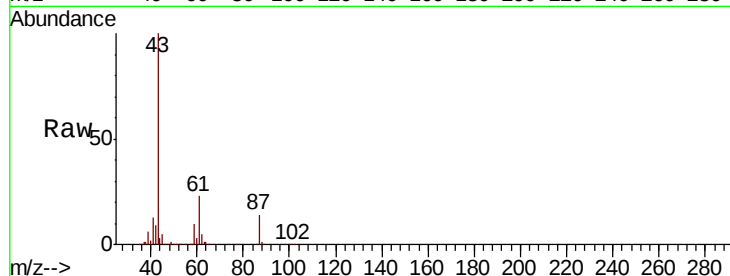
#43
Isopropyl Acetate
Concen: 52.615 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1035178
Ion Ratio Lower Upper
43 100
61 26.9 23.5 35.3
87 13.7 12.1 18.1

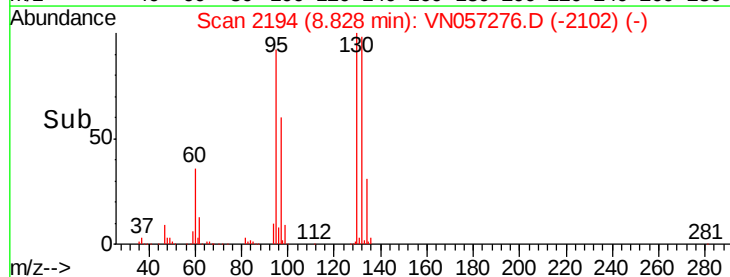
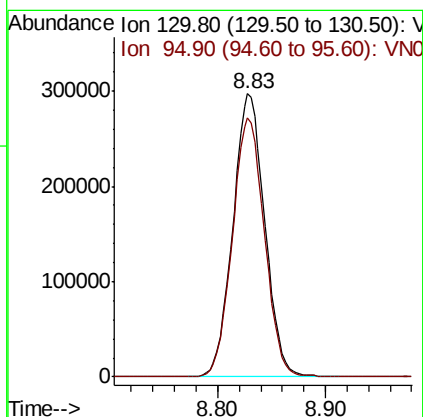
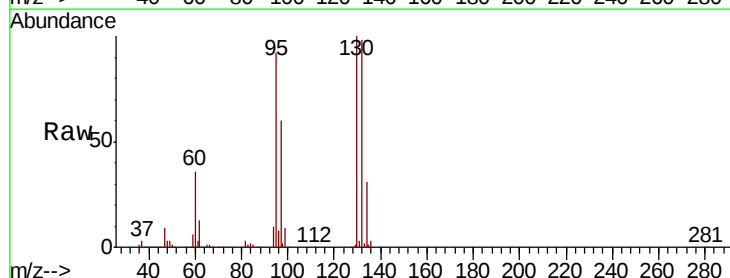
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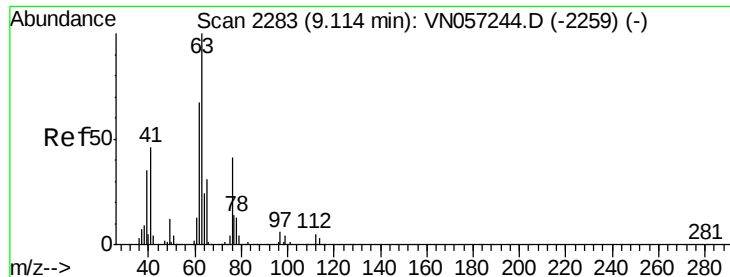
MMdadoda
8/19/2019 1:52:50 AM



#44
Trichloroethene
Concen: 46.731 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 130 Resp: 611661
Ion Ratio Lower Upper
130 100
95 91.6 0.0 181.8





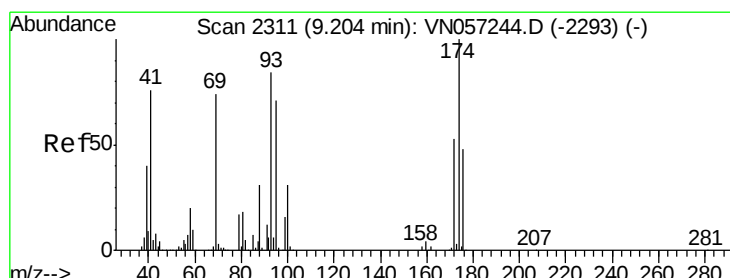
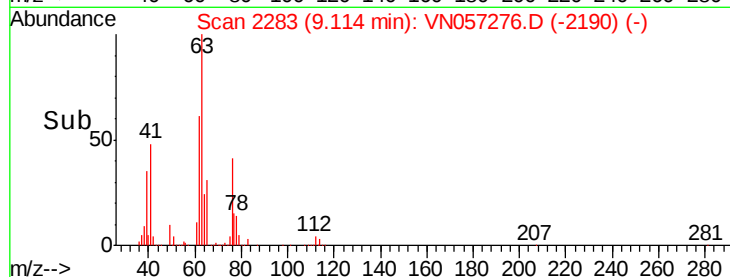
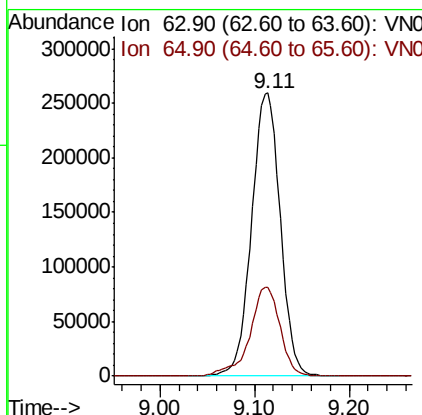
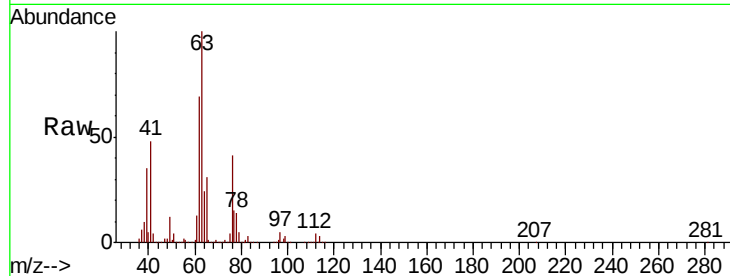
#45
 1,2-Dichloropropane
 Concen: 47.693 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 545577
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

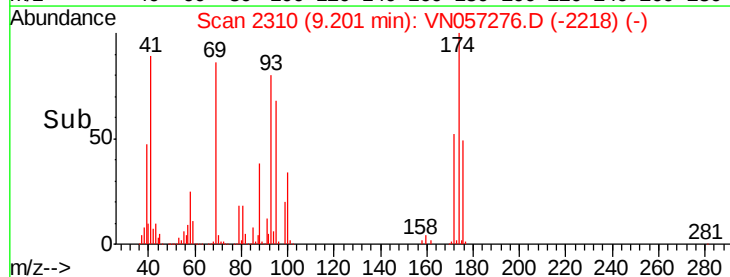
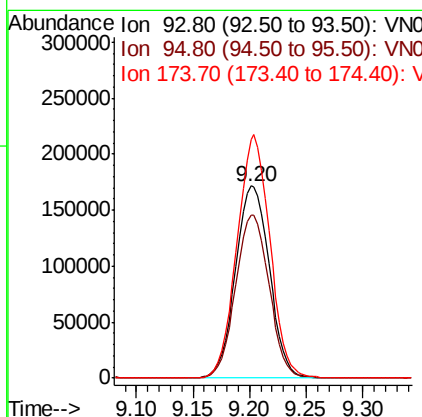
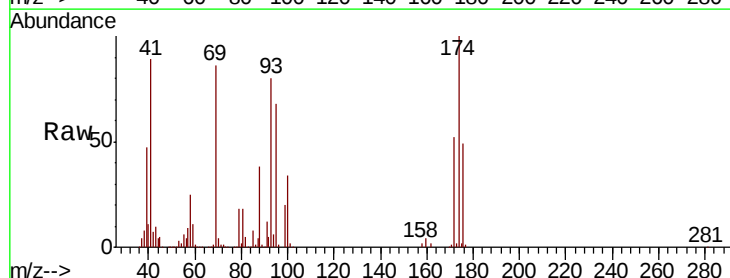
Manual Integrations
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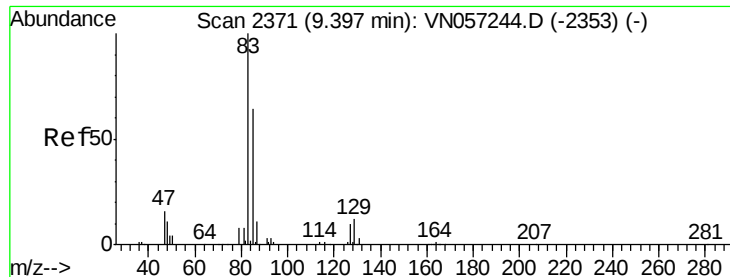
MMdadoda
 8/19/2019 1:52:50 AM



#46
 Dibromomethane
 Concen: 46.489 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion: 93 Resp: 358572
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.4
 174 122.8 96.2 144.2





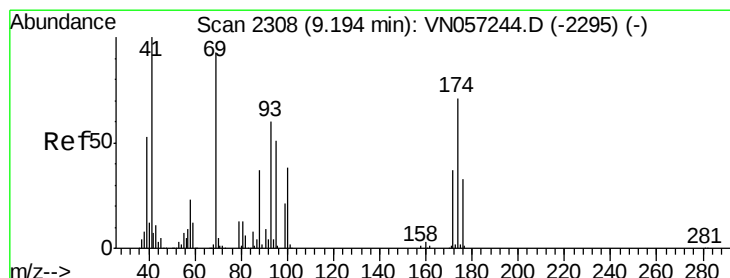
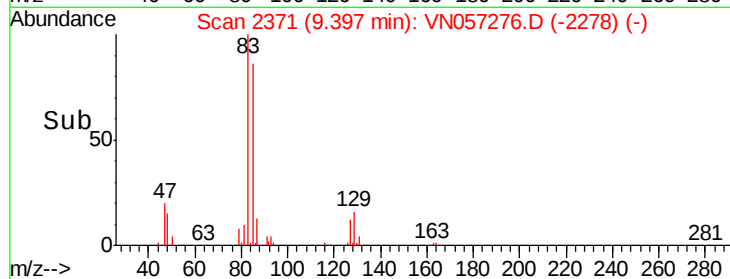
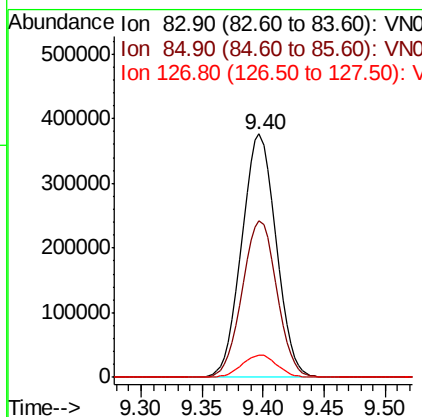
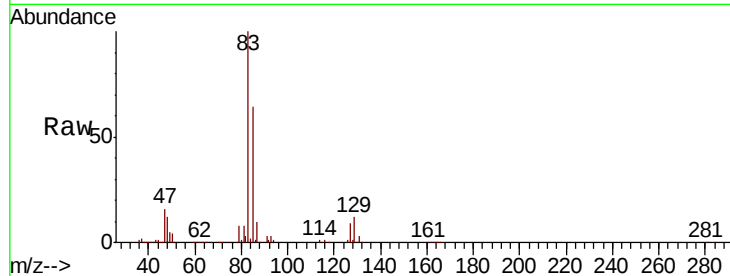
#47
Bromodichloromethane
Concen: 49.281 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	732820		
85	64.1	51.4	77.0	
127	9.0	7.7	11.5	

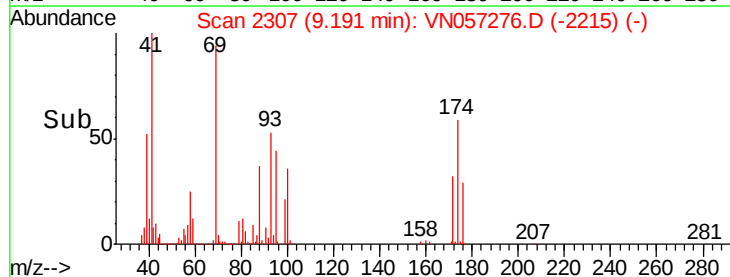
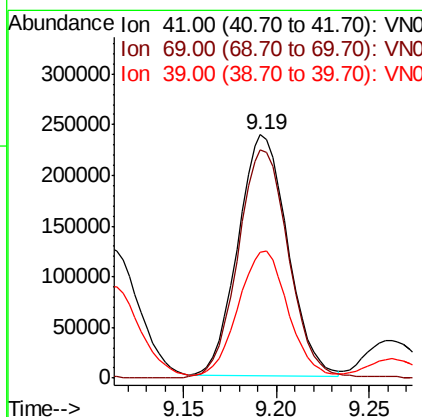
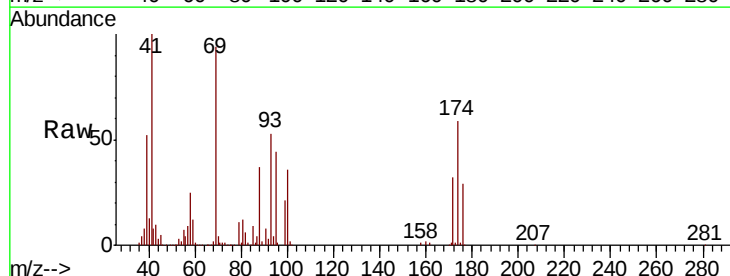
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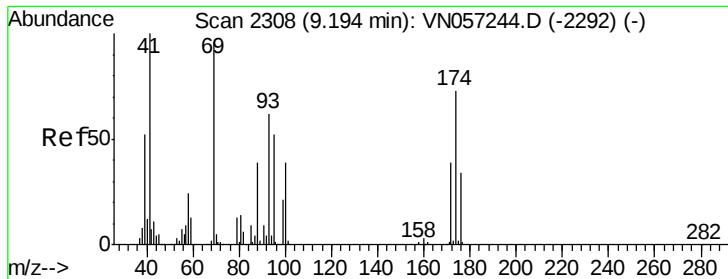
MMdadoda
8/19/2019 1:52:50 AM



#48
Methyl methacrylate
Concen: 48.535 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	441850		
69	96.9	75.7	113.5	
39	53.5	43.3	64.9	





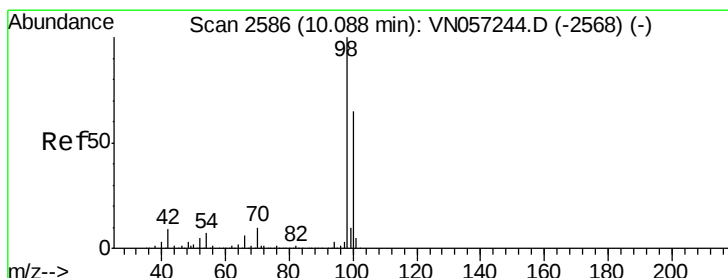
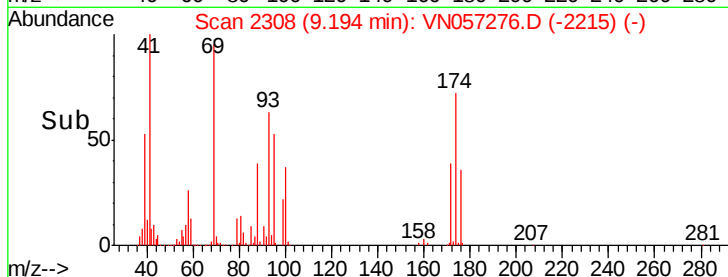
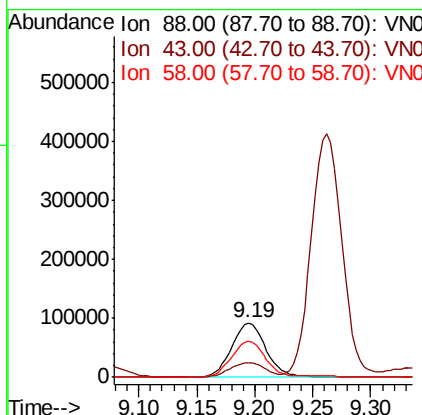
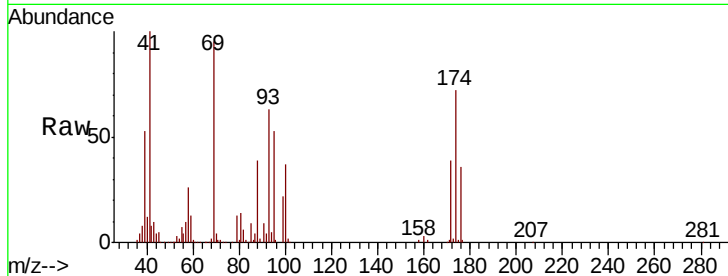
#49
1,4-Dioxane
Concen: 930.383 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.2	20.7	31.1
58	65.0	52.0	78.0

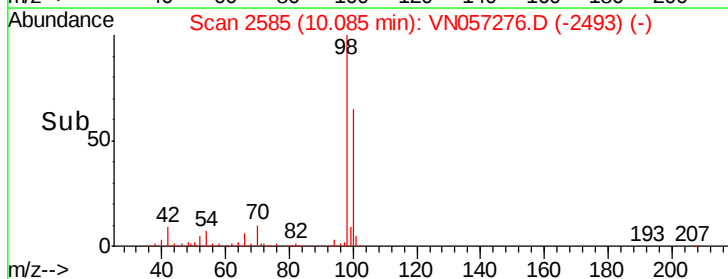
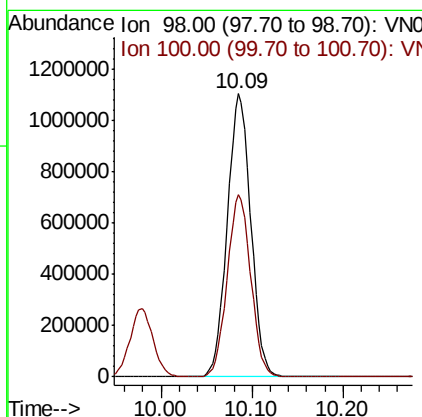
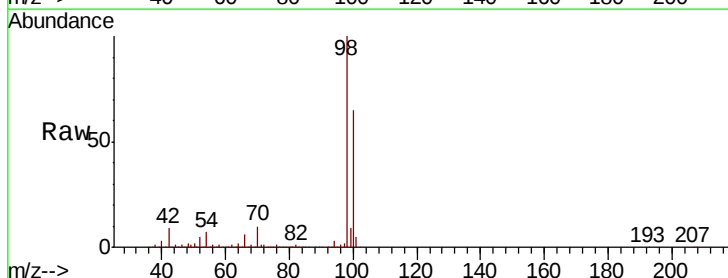
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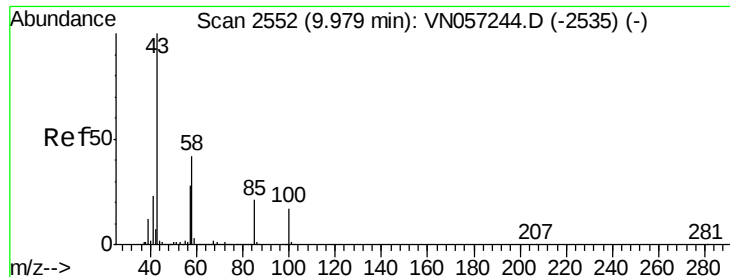
MMdadoda
8/19/2019 1:52:50 AM



#50
Toluene-d8
Concen: 50.045 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.6





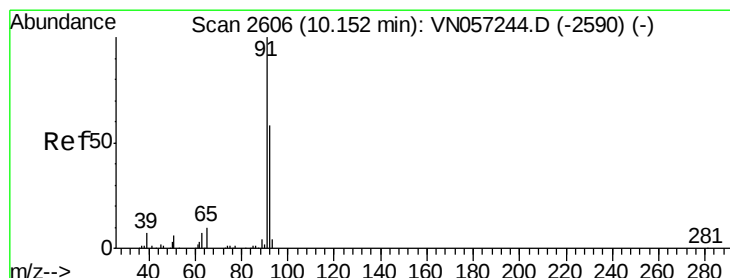
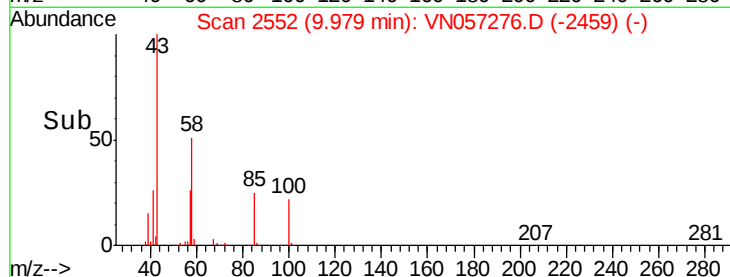
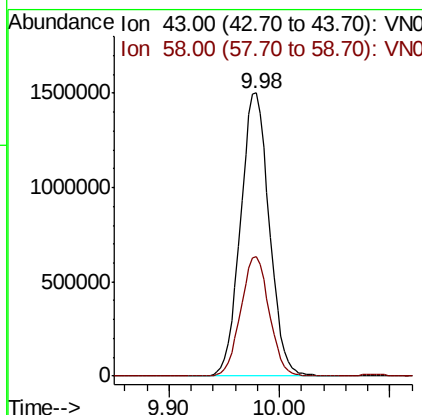
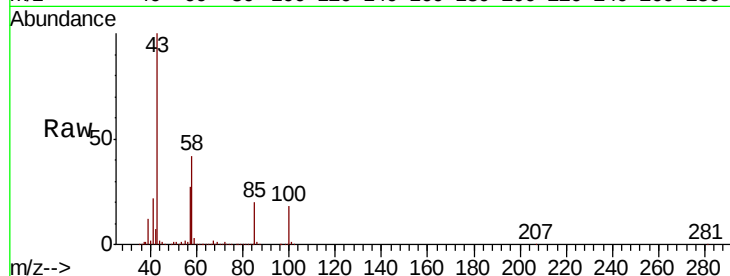
#51
 4-Methyl-2-Pentanone
 Concen: 234.513 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2709357
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.7 50.5

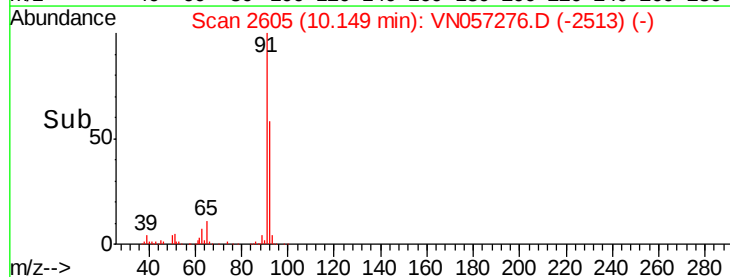
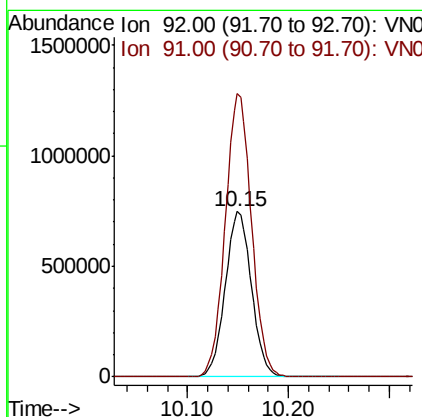
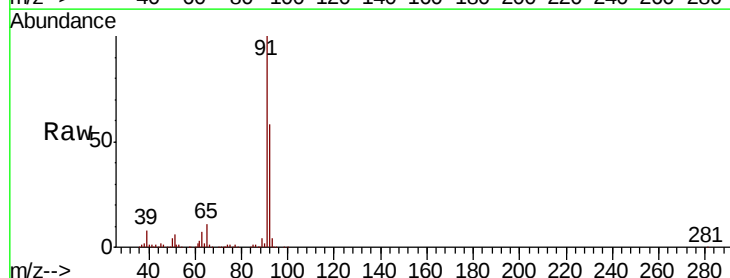
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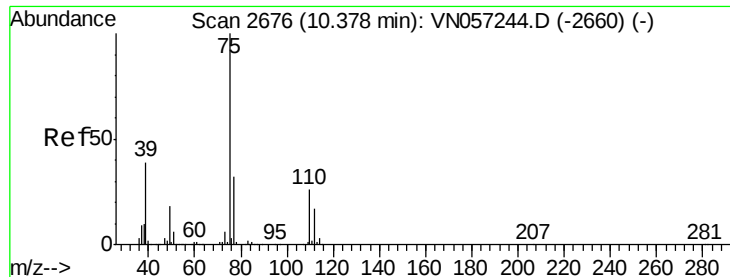
MMdadoda
 8/19/2019 1:52:50 AM



#52
 Toluene
 Concen: 48.356 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion: 92 Resp: 1356494
 Ion Ratio Lower Upper
 92 100
 91 171.4 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 50.219 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 798782

Ion Ratio Lower Upper

75 100

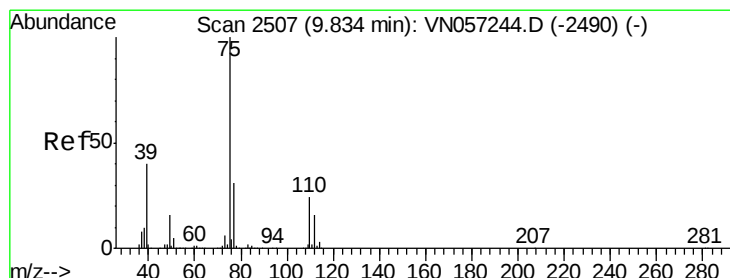
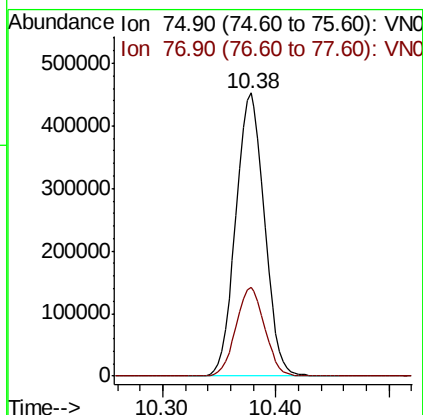
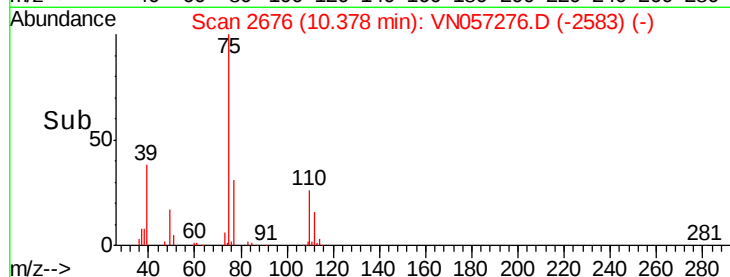
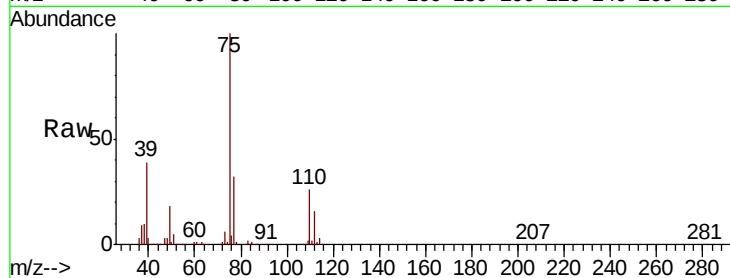
77 31.6 25.3 37.9

Manual Integrations

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MMdadoda

8/19/2019 1:52:50 AM



#54

cis-1,3-Dichloropropene

Concen: 49.171 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

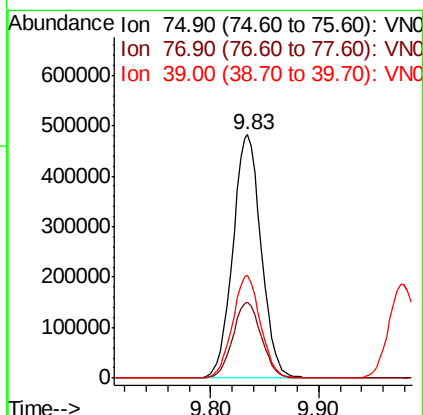
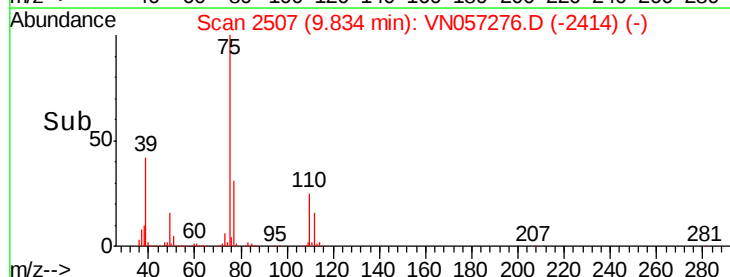
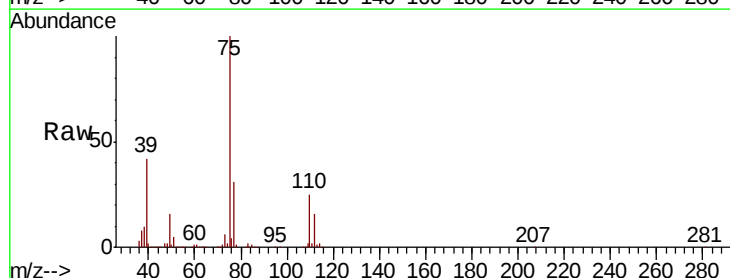
Tgt Ion: 75 Resp: 881451

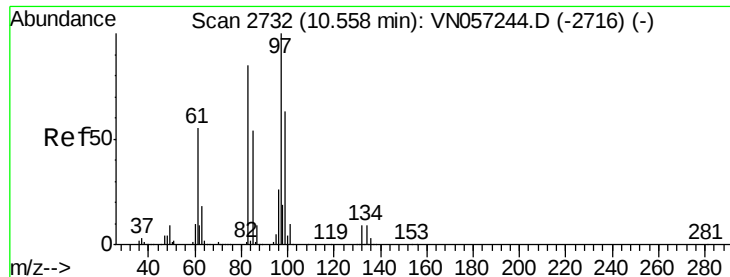
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 41.9 32.3 48.5





#55

1,1,2-Trichloroethane

Concen: 46.817 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

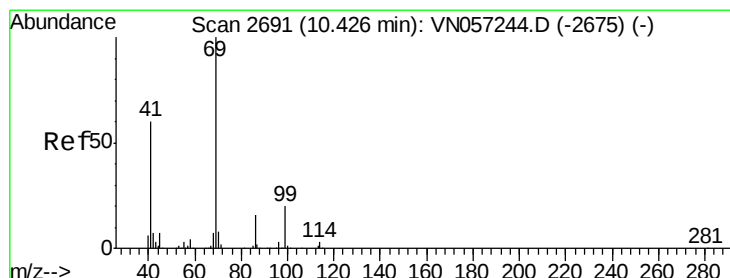
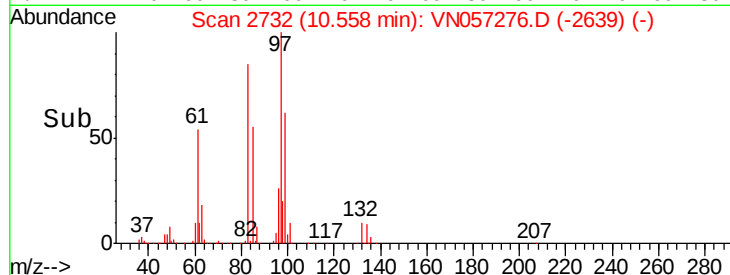
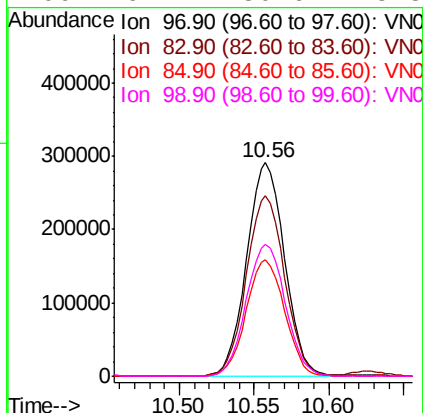
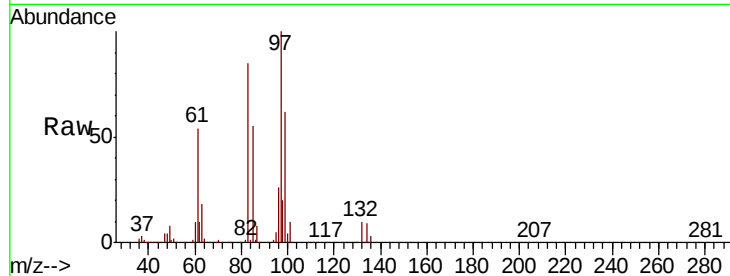
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	513347
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.4	102.6
85	54.6	43.0	64.6
99	61.7	50.6	75.8

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#56

Ethyl methacrylate

Concen: 48.987 ug/l

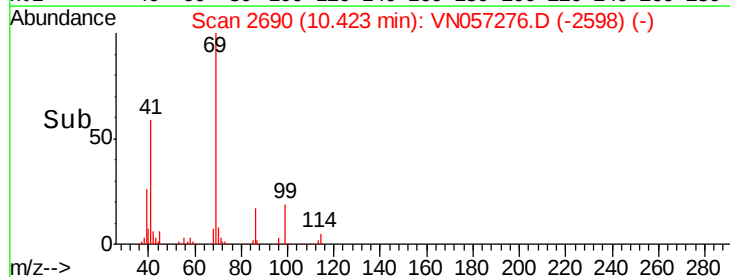
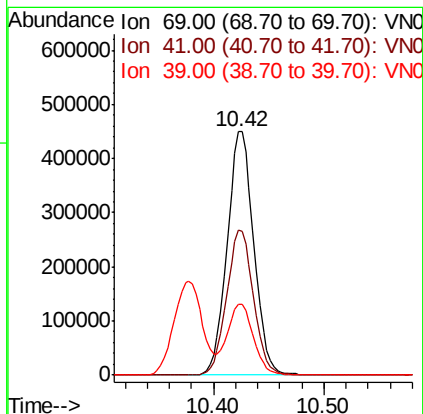
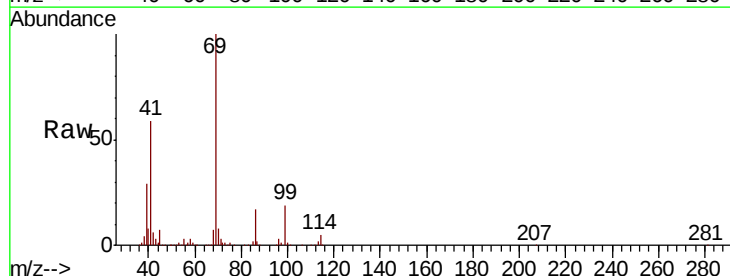
RT: 10.42 min Scan# 2690

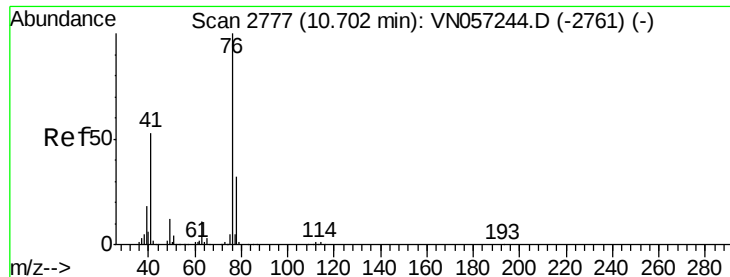
Delta R.T. -0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Tgt Ion:	69	Resp:	753604
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.6	71.4
39	28.3	23.4	35.0





#57

1,3-Dichloropropane

Concen: 46.834 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 76 Resp: 847273

Ion Ratio Lower Upper

76 100

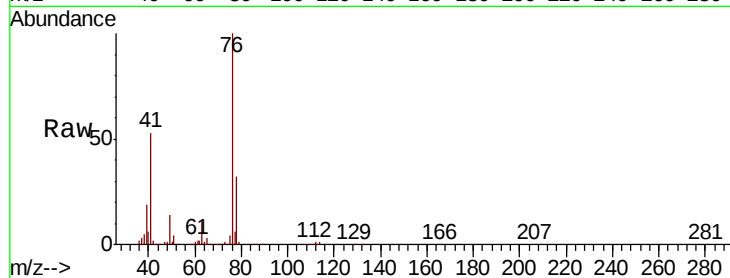
78 32.6 26.0 39.0

Manual Integrations

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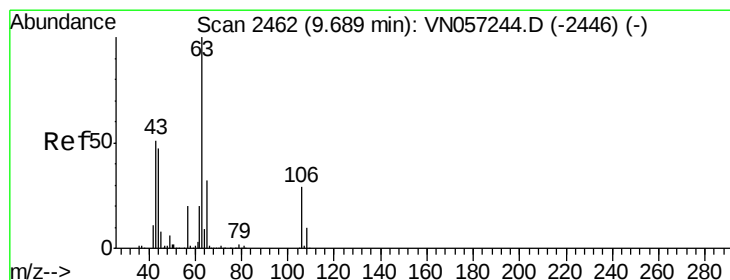
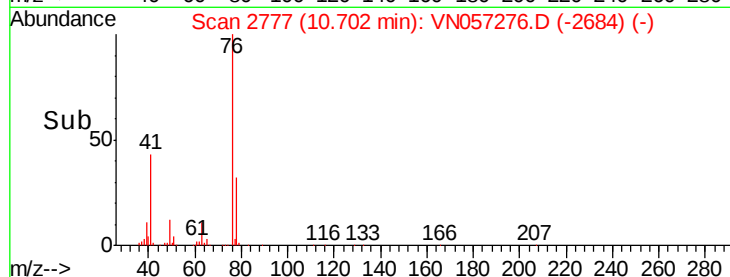
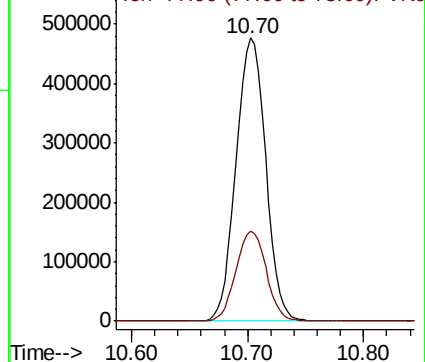
MMdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 229.828 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057276.D

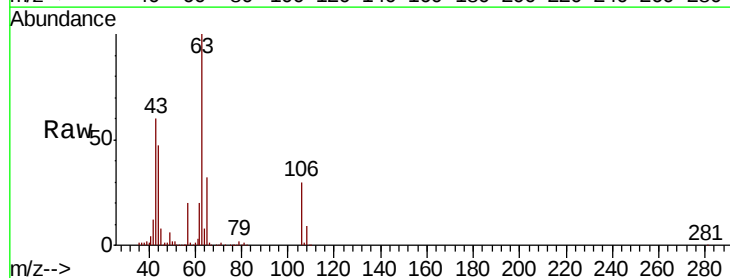
Acq: 14 Aug 2019 9:17

Tgt Ion: 63 Resp: 1025430

Ion Ratio Lower Upper

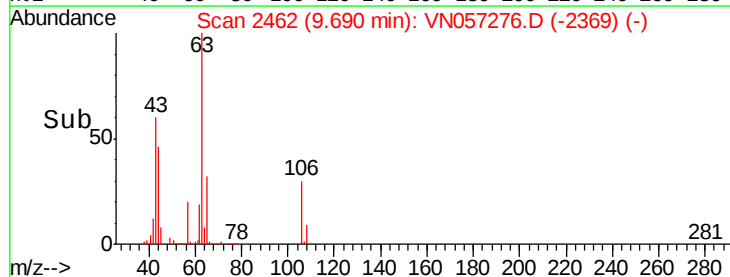
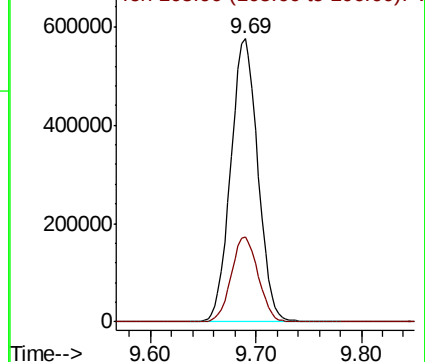
63 100

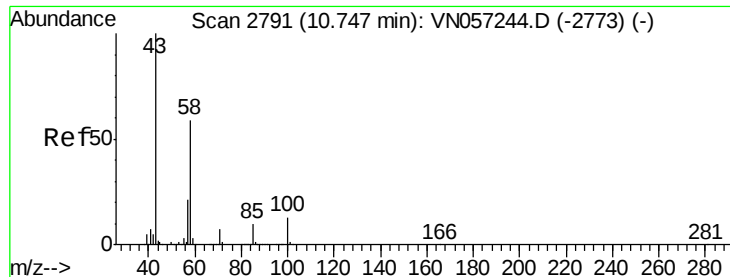
106 29.8 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





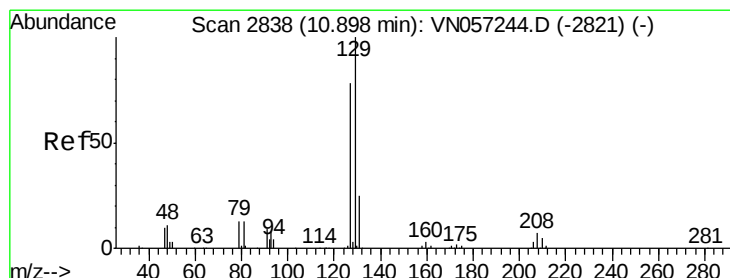
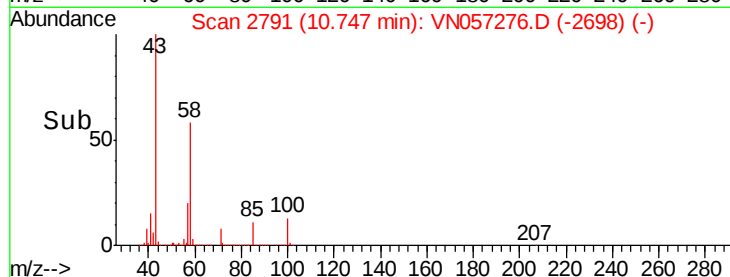
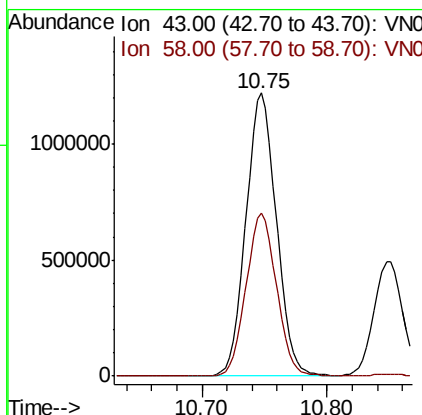
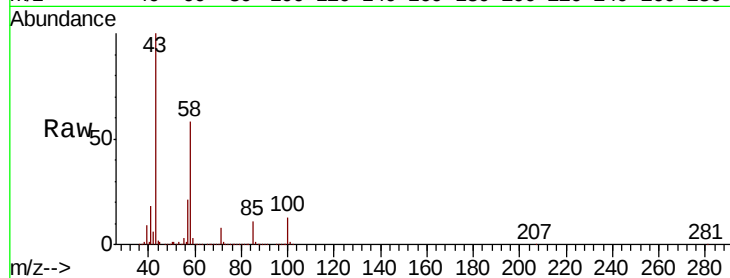
#59
2-Hexanone
Concen: 251.340 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2060269
Ion Ratio Lower Upper
43 100
58 57.8 29.1 87.4

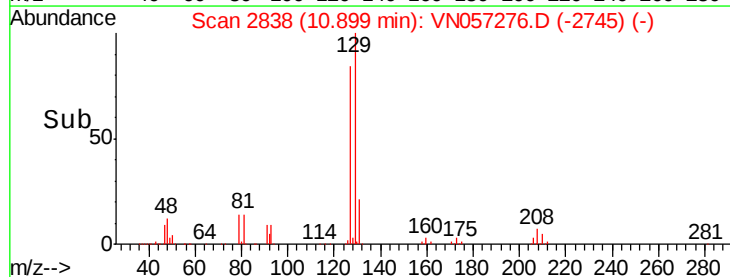
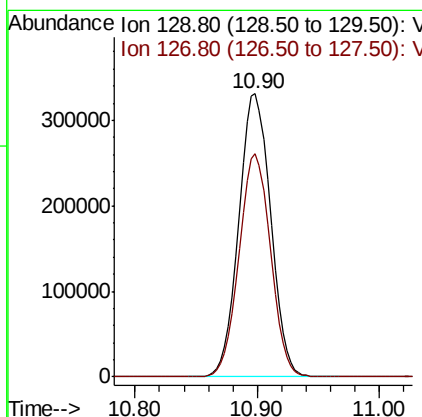
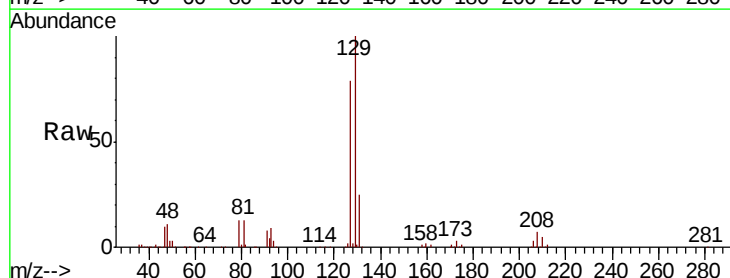
Manual Integrations
APPROVED

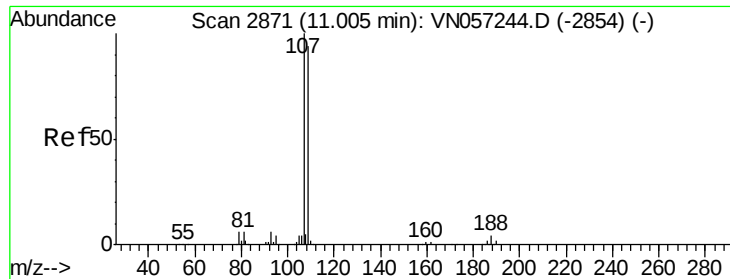
MMdadoda
8/19/2019 1:52:50 AM



#60
Dibromochloromethane
Concen: 48.492 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 129 Resp: 596270
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





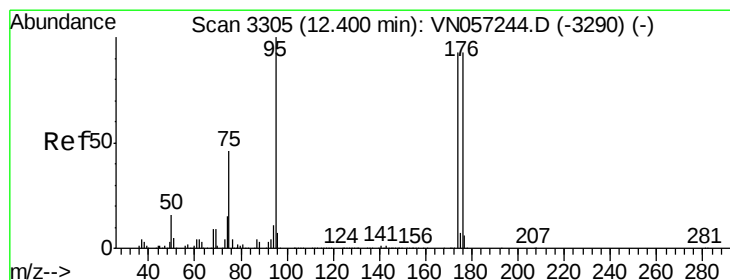
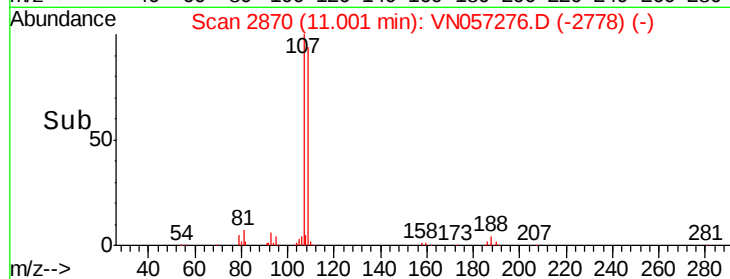
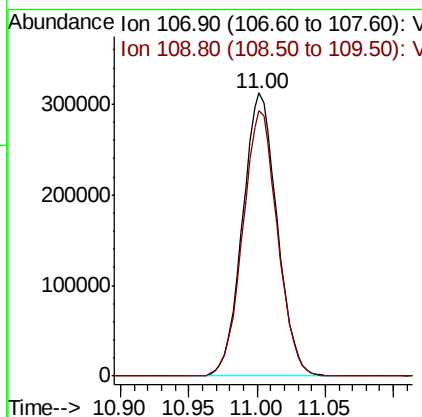
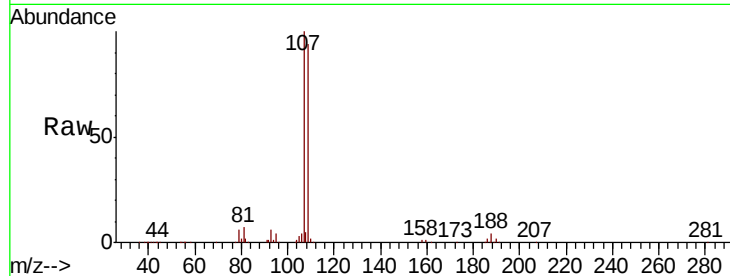
#61
1,2-Dibromoethane
Concen: 48.178 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	548432		
109	94.2	75.7	113.5	

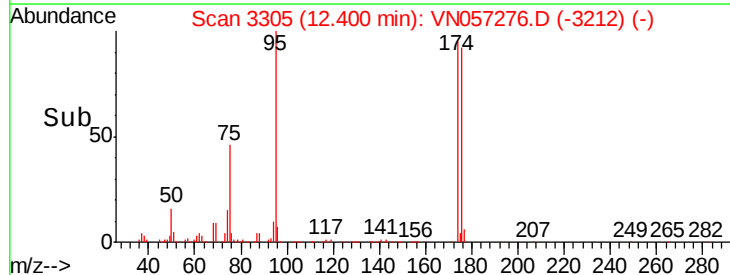
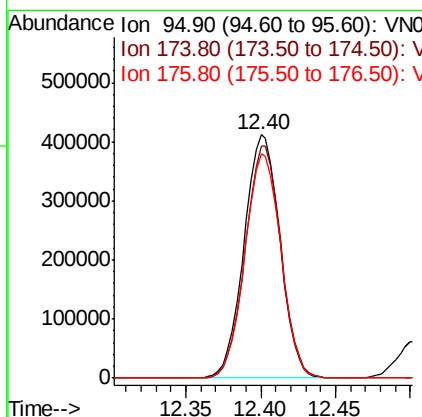
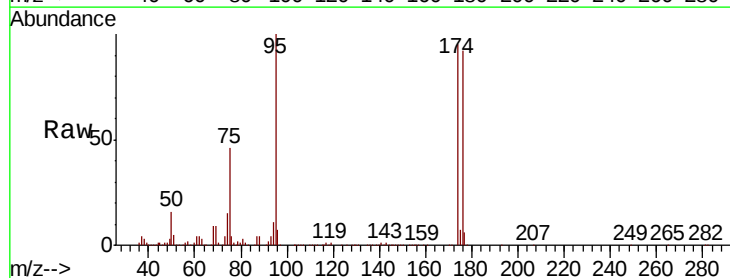
Manual Integrations
APPROVED

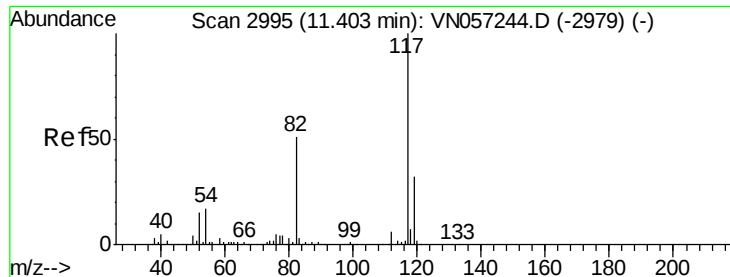
MMDadoda
8/19/2019 1:52:50 AM



#62
4-Bromofluorobenzene
Concen: 50.602 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	687077		
174	95.3	0.0	187.6	
176	92.5	0.0	185.8	





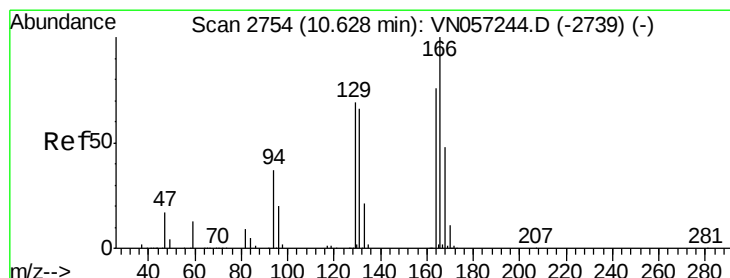
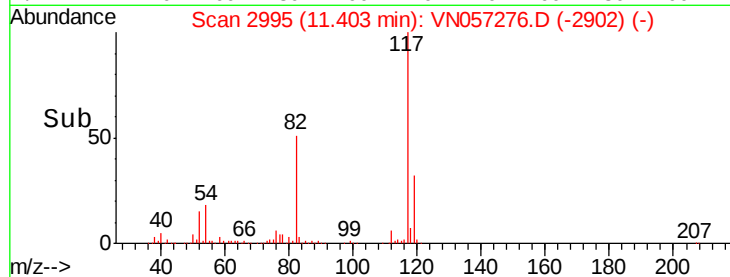
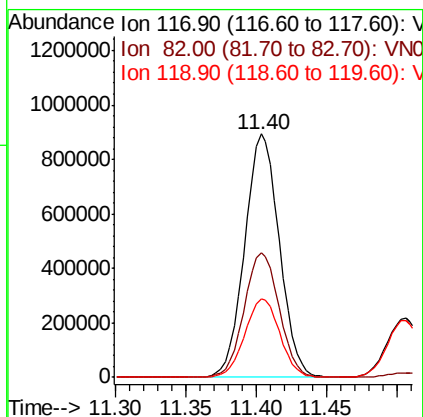
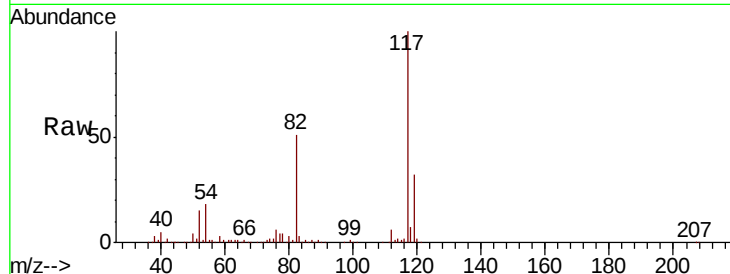
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.9	61.3
119	32.3	25.4	38.2

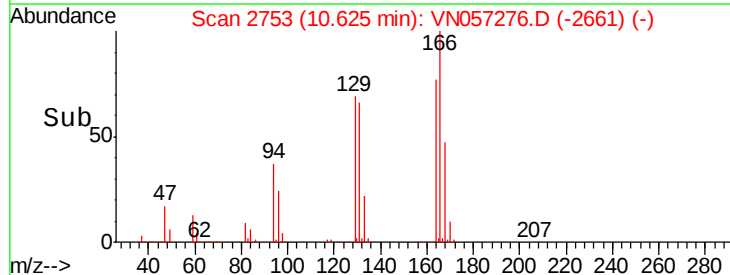
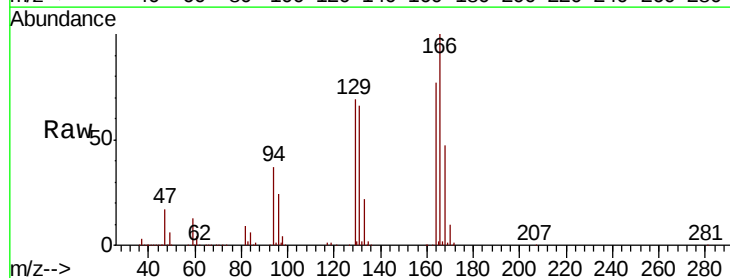
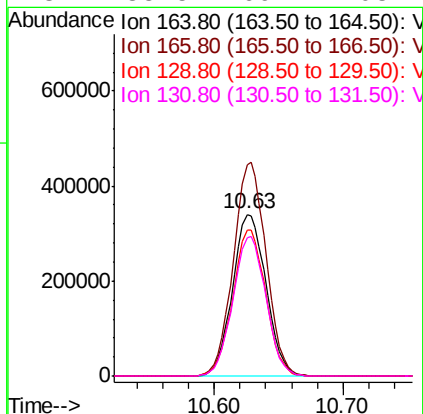
Manual Integrations
APPROVED

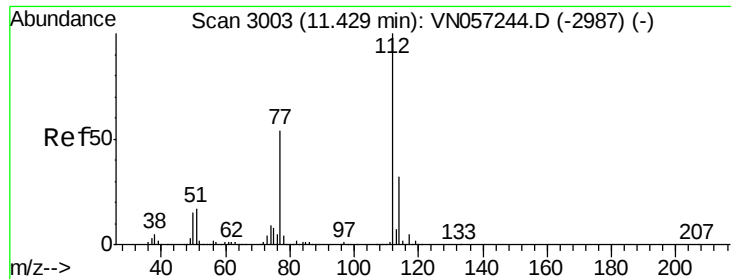
MMDadoda
8/19/2019 1:52:50 AM



#64
Tetrachloroethene
Concen: 45.051 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	104.9	157.3
129	90.4	71.9	107.9
131	85.5	69.1	103.7





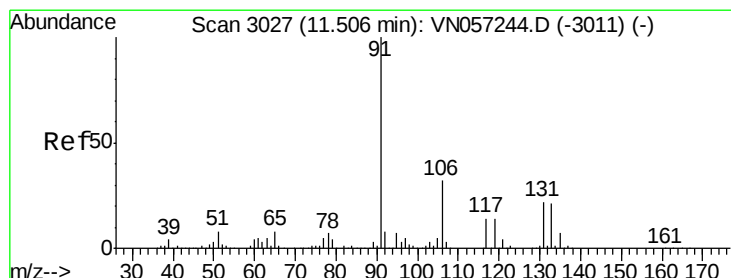
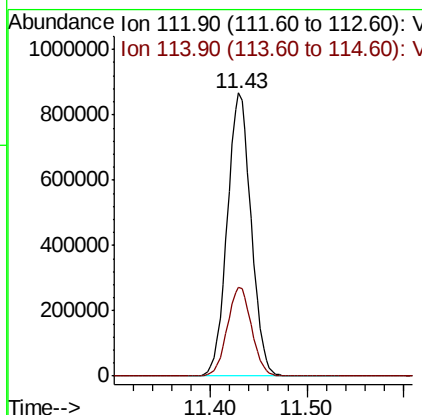
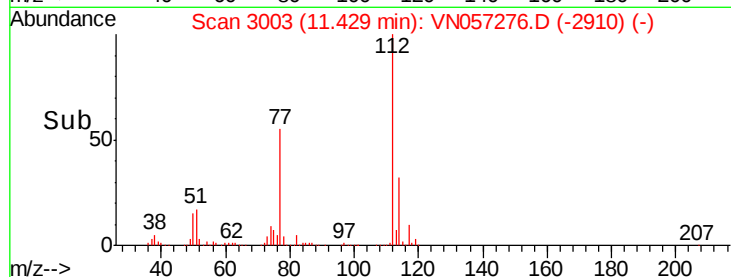
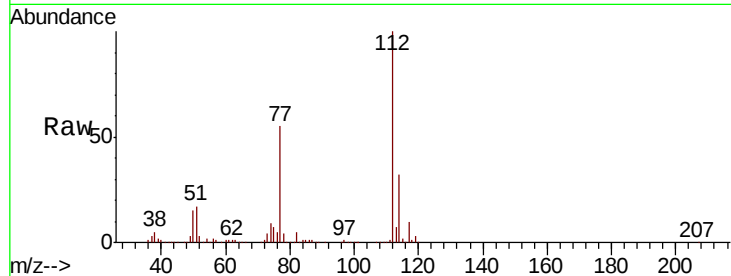
#65
Chlorobenzene
Concen: 47.048 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1481076
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

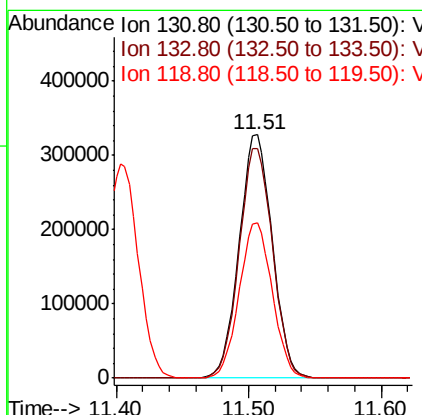
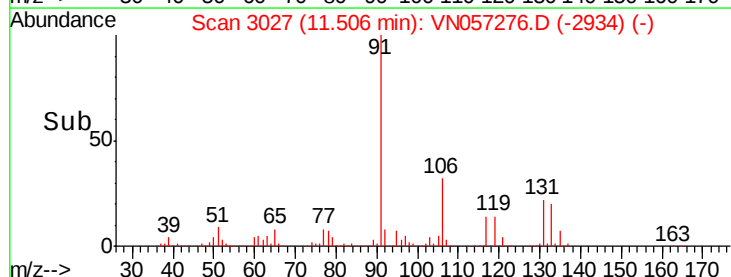
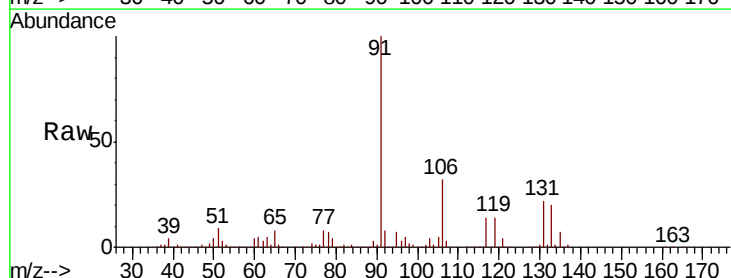
Manual Integrations
APPROVED

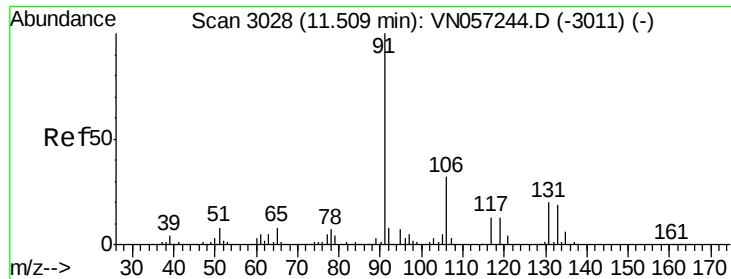
MMdadoda
8/19/2019 1:52:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.828 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion:131 Resp: 569274
Ion Ratio Lower Upper
131 100
133 95.2 46.9 140.7
119 63.7 32.3 96.8





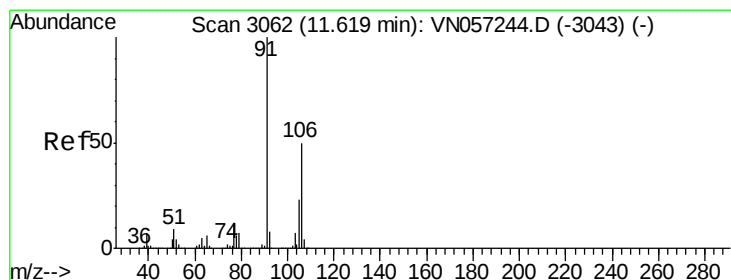
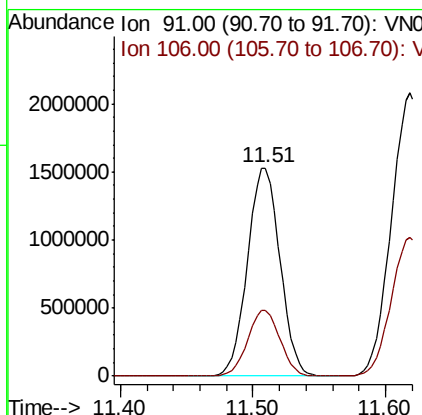
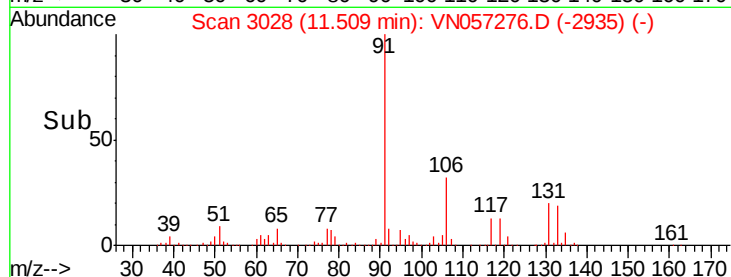
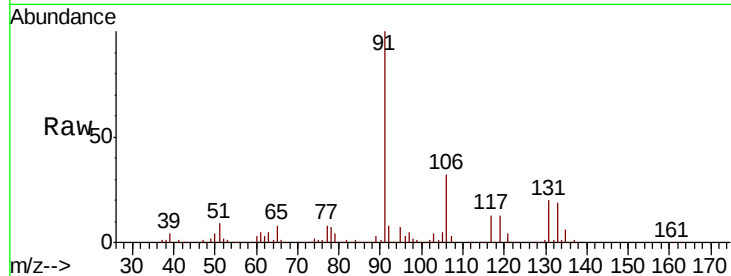
#67
Ethyl Benzene
Concen: 48.411 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2601715
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0

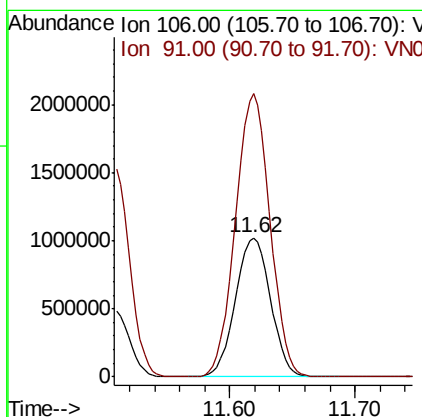
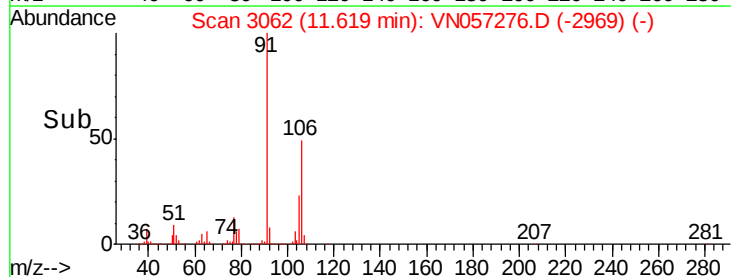
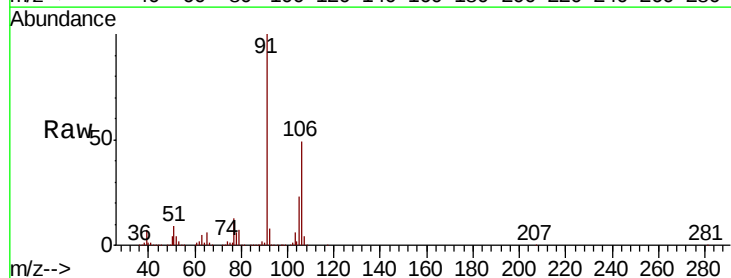
Manual Integrations
APPROVED

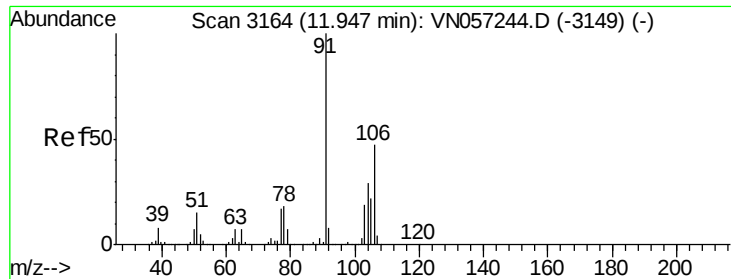
MMdadoda
8/19/2019 1:52:50 AM



#68
m/p-Xylenes
Concen: 98.813 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 106 Resp: 1981360
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.0





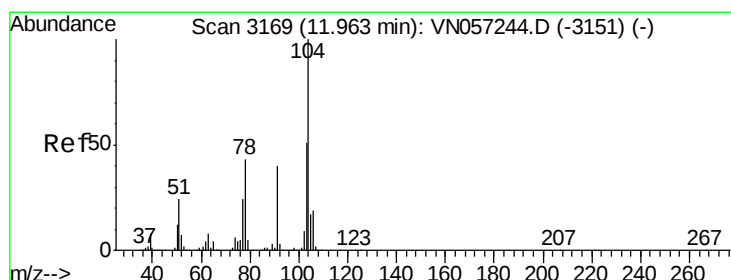
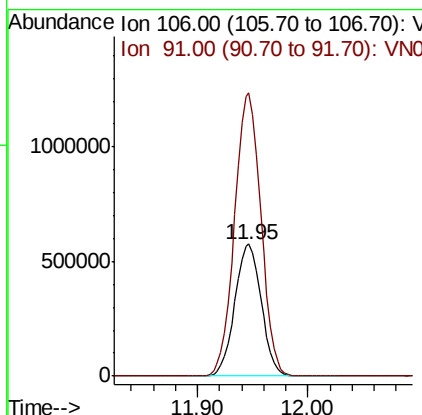
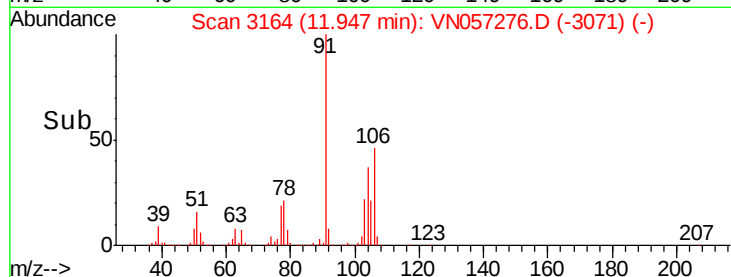
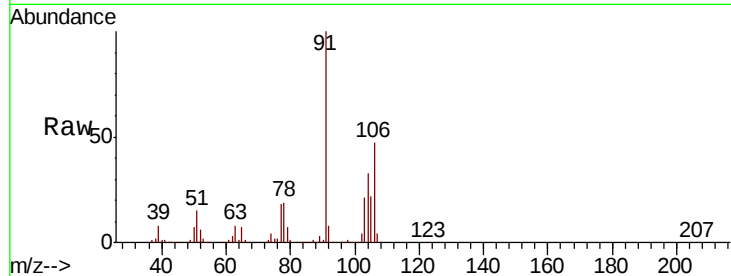
#69
o-Xylene
Concen: 48.745 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.6	106.5	319.4

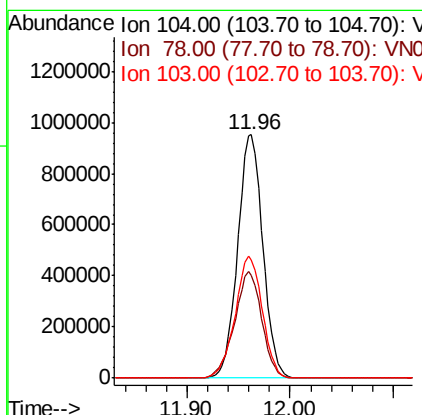
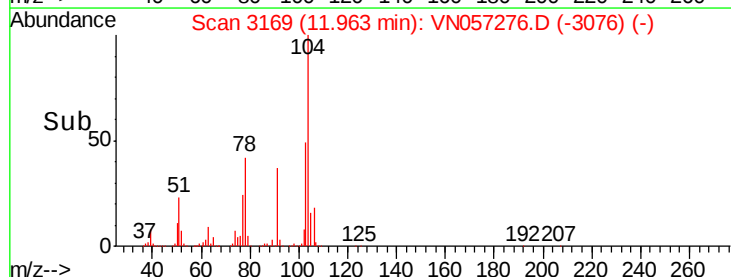
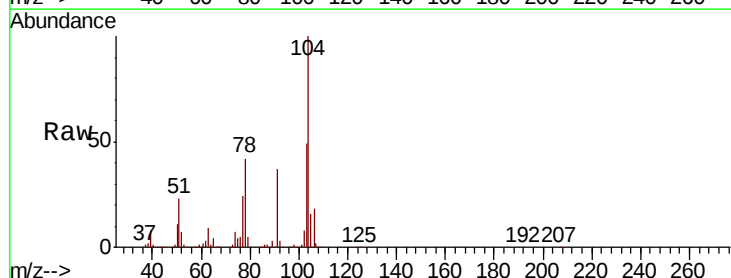
Manual Integrations
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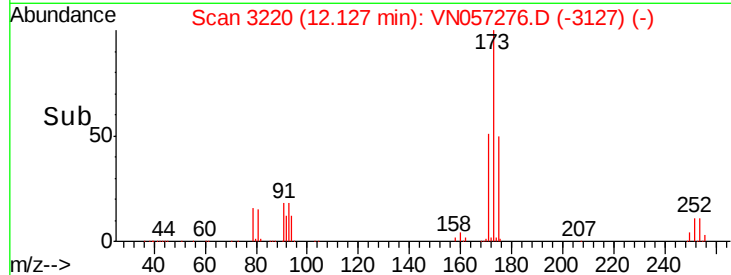
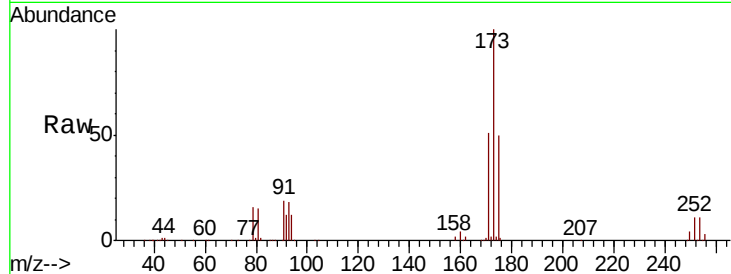
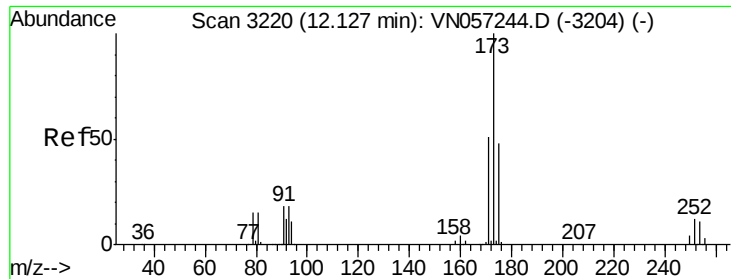
MMdadoda
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#70
Styrene
Concen: 53.216 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.6	57.8
103	54.1	43.9	65.9





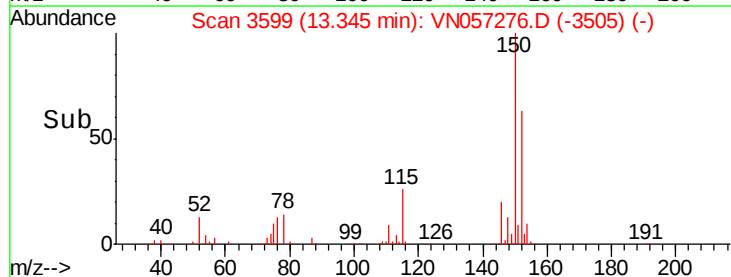
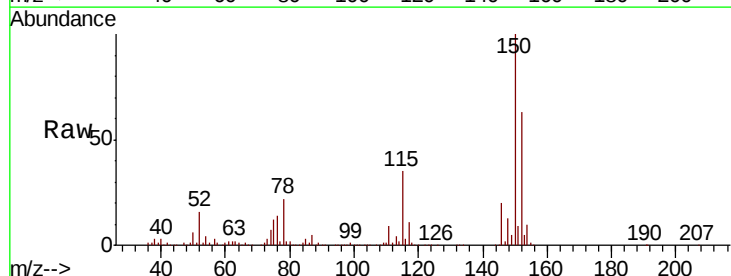
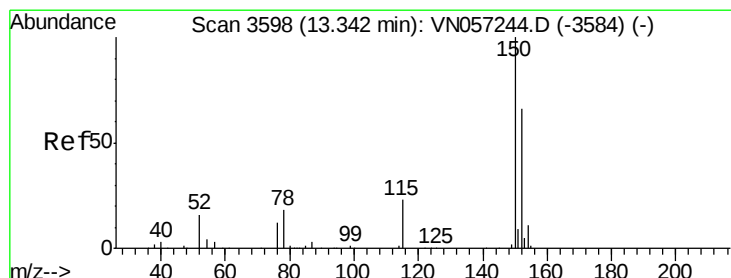
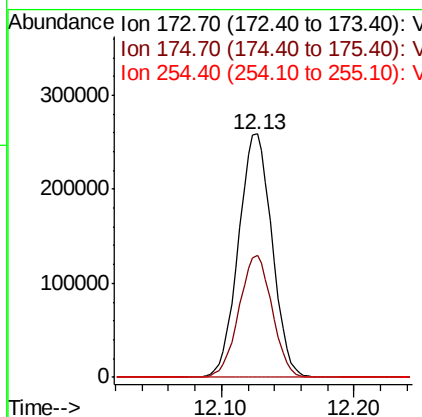
#71
Bromoform
Concen: 48.687 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 173 Resp: 453527
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.2
254 0.1 0.2 0.2#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

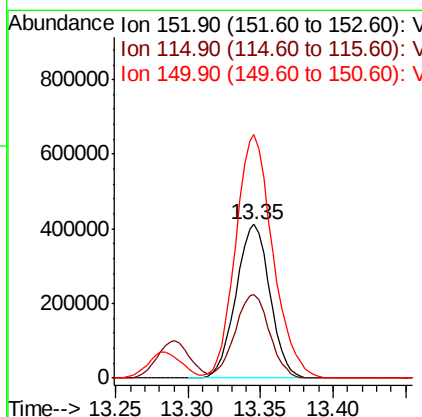
Manual Integrations
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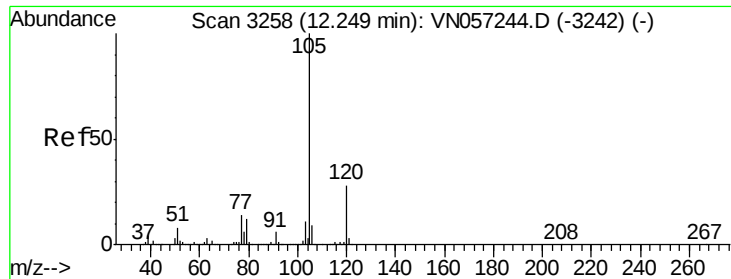
MMdadoda
8/19/2019 1:52:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion: 152 Resp: 671151
Ion Ratio Lower Upper
152 100
115 55.4 27.6 82.8
150 173.1 0.0 348.4





#73

Isopropylbenzene

Concen: 49.935 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2588141

Ion Ratio Lower Upper

105 100

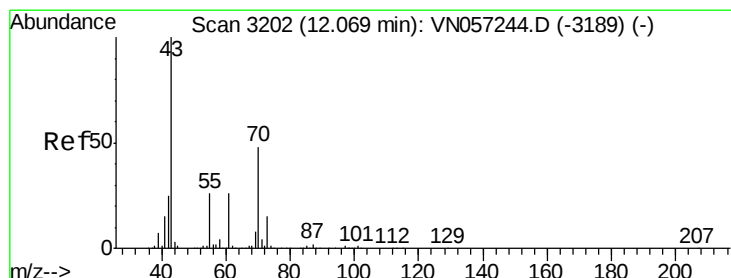
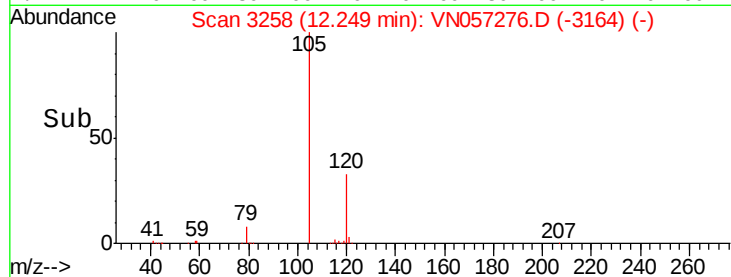
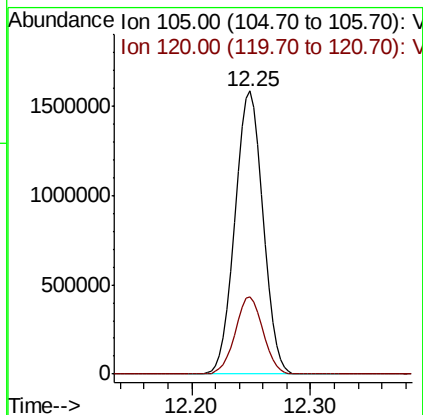
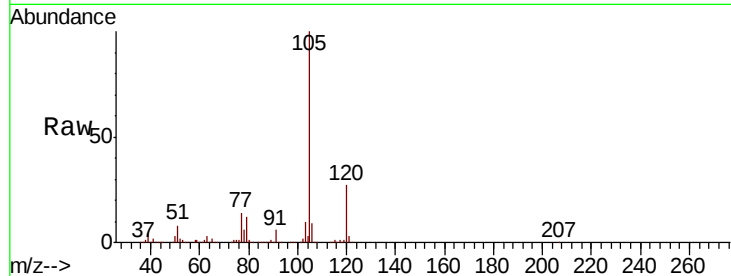
120 27.0 13.8 41.3

Manual Integrations

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MMdadoda

8/19/2019 1:52:50 AM



#74

N-ethyl acetate

Concen: 48.426 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Tgt Ion: 43 Resp: 764470

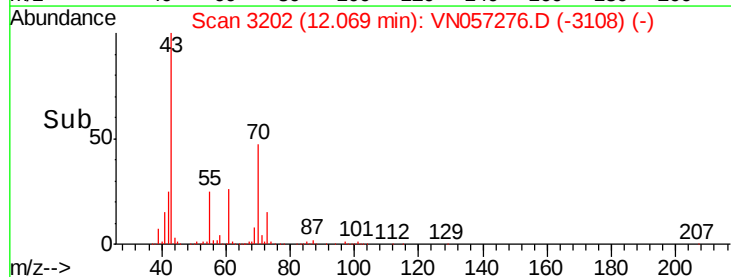
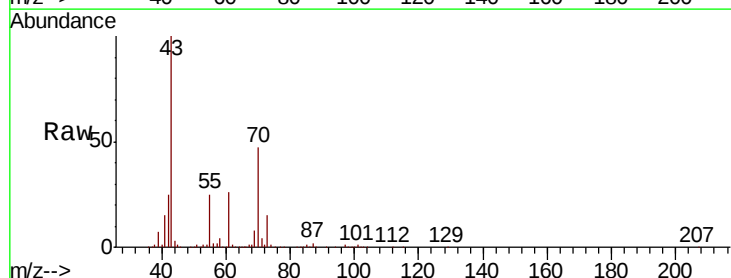
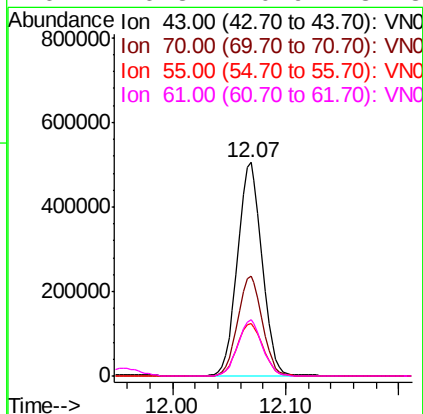
Ion Ratio Lower Upper

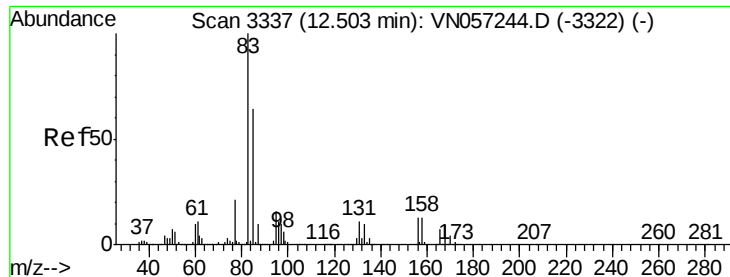
43 100

70 47.0 37.4 56.2

55 25.9 21.0 31.4

61 26.3 20.9 31.3





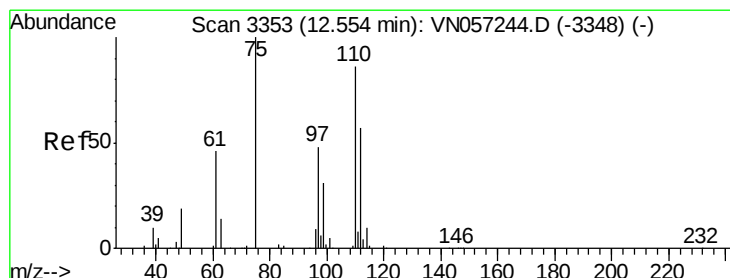
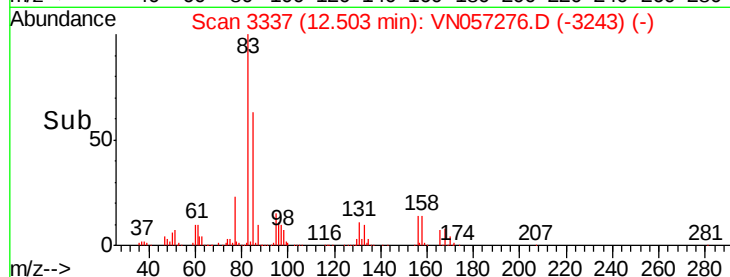
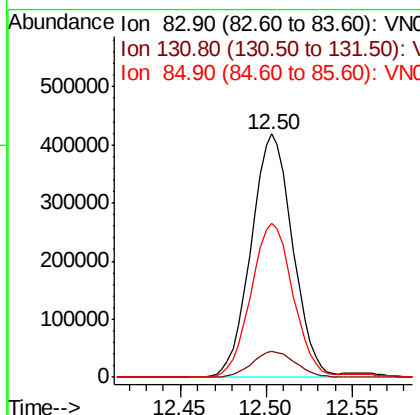
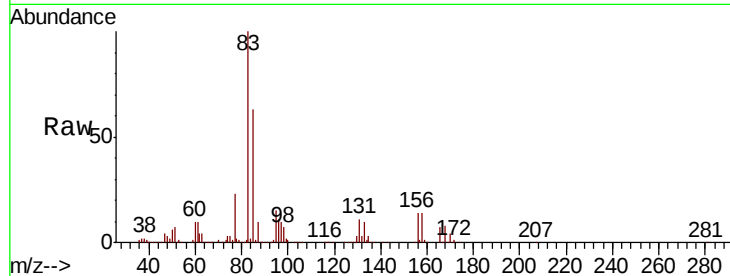
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.682 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	63.9	32.3	96.8

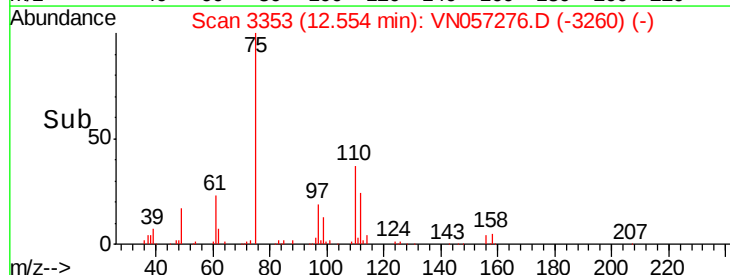
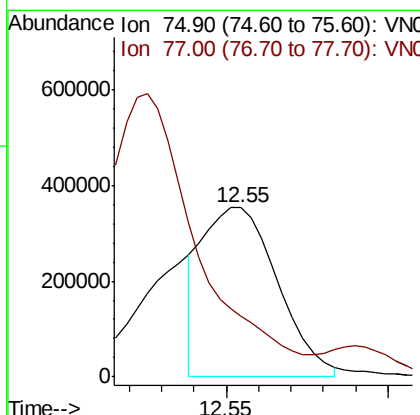
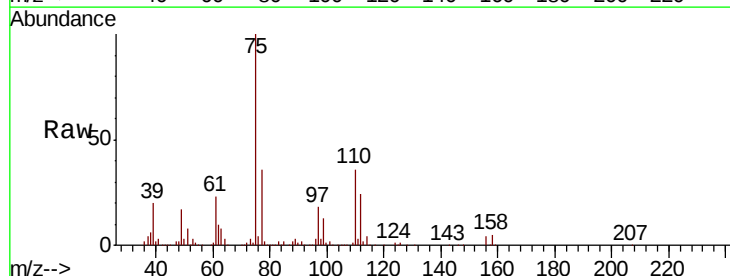
Manual Integrations
 APPROVED

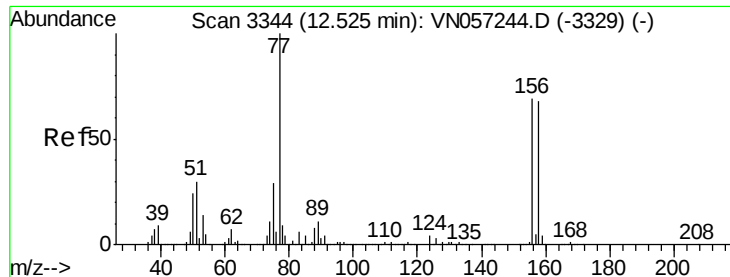
MMDadoda
 8/19/2019 1:52:50 AM



#76
 1,2,3-Trichloropropane
 Concen: 48.552 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





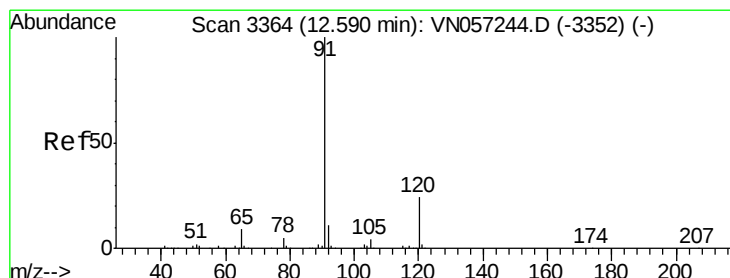
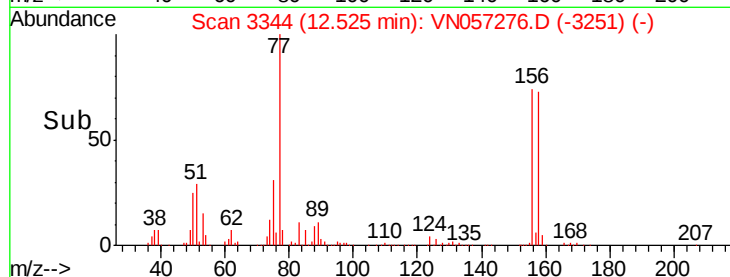
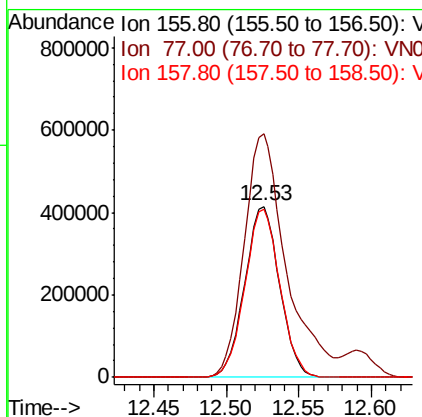
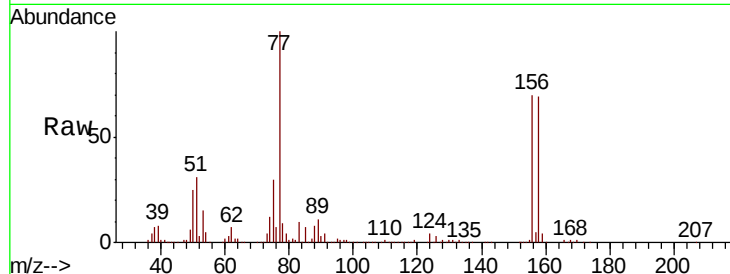
#77
Bromobenzene
Concen: 49.673 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	694306		
77	173.2	88.0	264.1	
158	98.7	49.4	148.0	

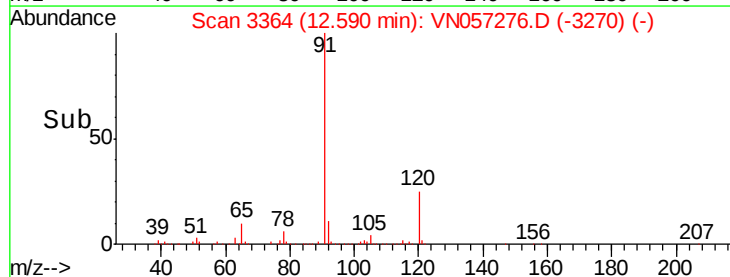
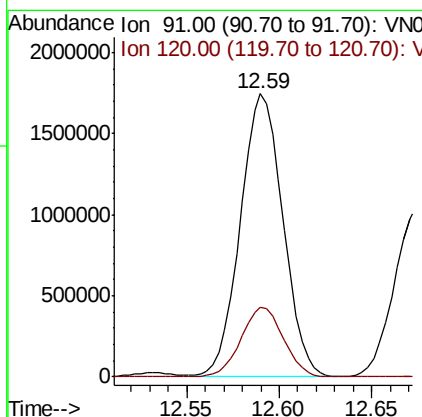
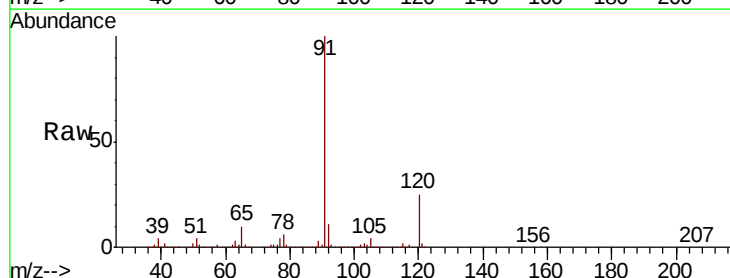
Manual Integrations
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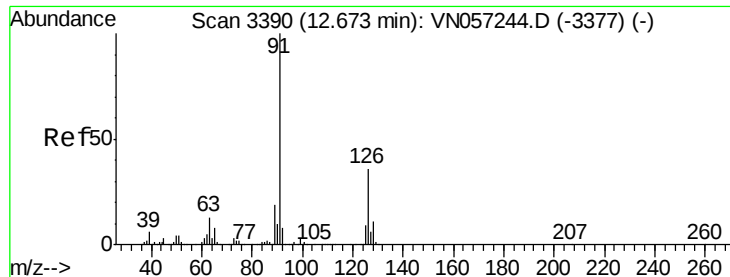
MMdadoda
8/19/2019 1:52:50 AM



#78
n-propylbenzene
Concen: 49.000 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2764593		
120	24.5	12.1	36.3	





#79

2-Chlorotoluene

Concen: 50.237 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1707917

Ion Ratio Lower Upper

91 100

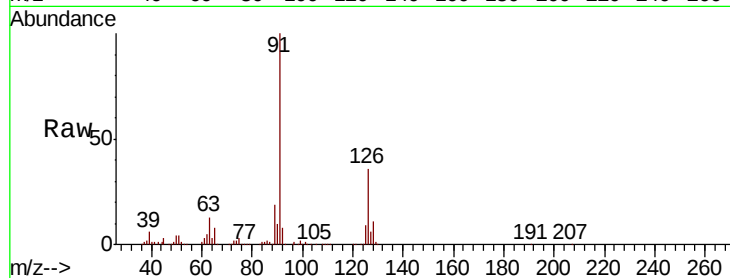
126 36.2 18.0 54.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN057244.D (-3377) (-)

2000000

1500000

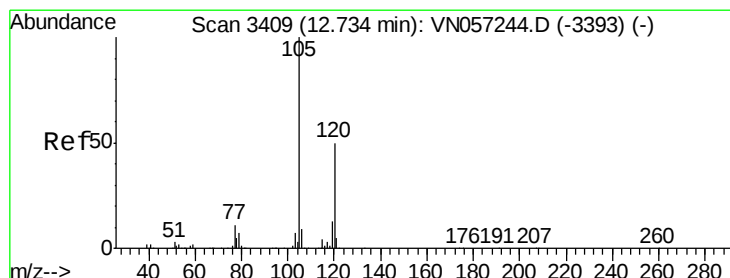
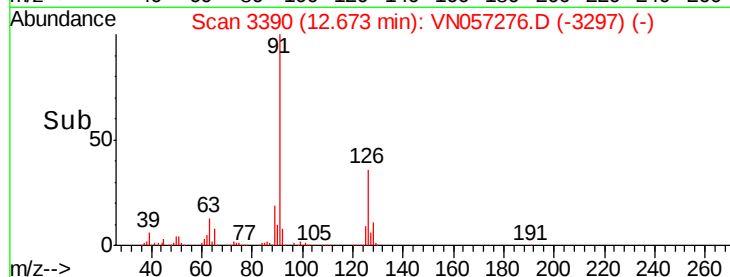
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.236 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057276.D

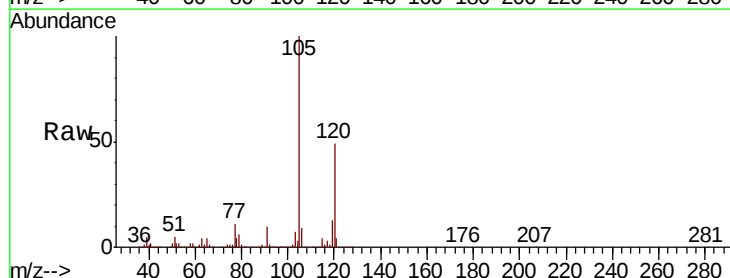
Acq: 14 Aug 2019 9:17

Tgt Ion: 105 Resp: 2206112

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057244.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057244.D (-3393) (-)

1500000

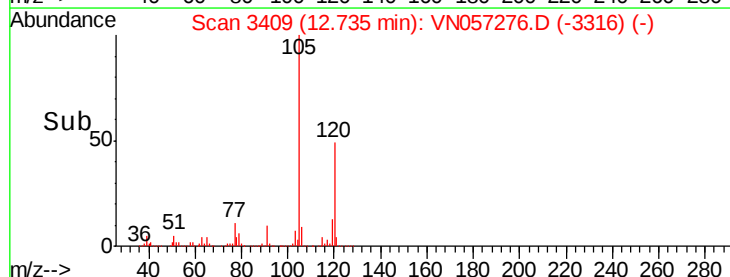
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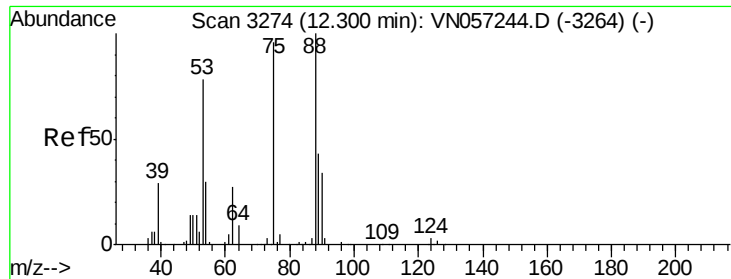
500000

0

12.70 12.80

Time-->





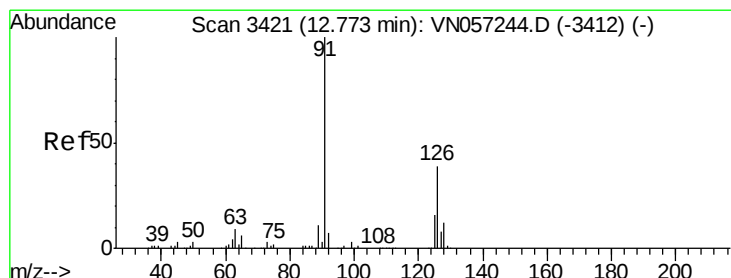
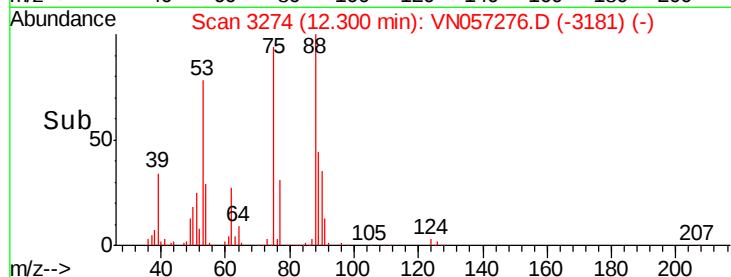
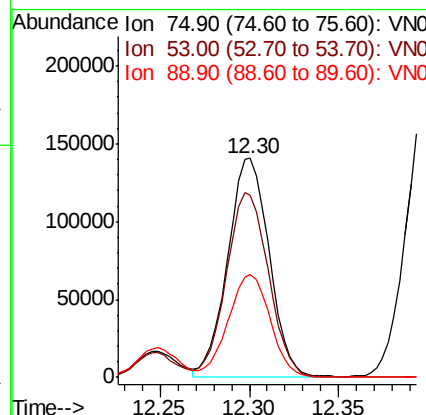
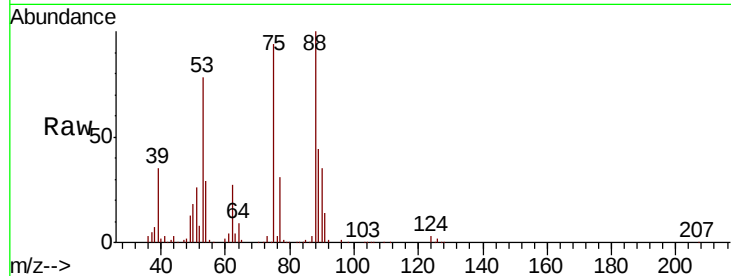
#81
trans-1,4-Dichloro-2-butene
Concen: 45.250 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.6	65.8	98.6
89	47.8	36.7	55.1

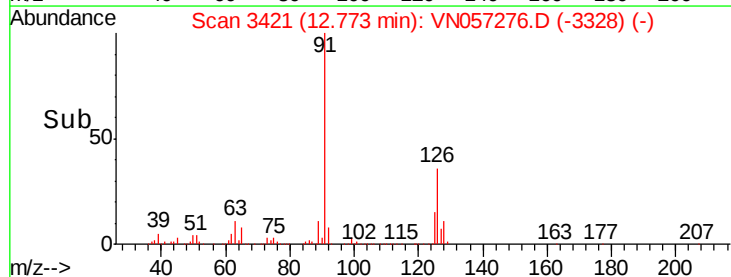
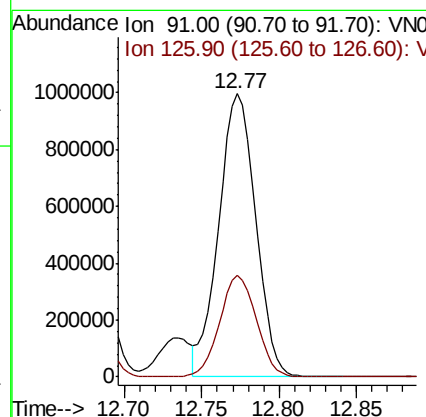
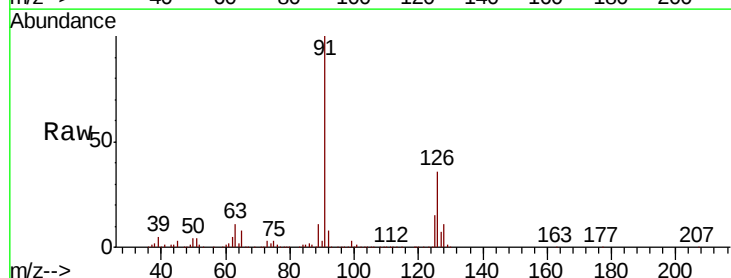
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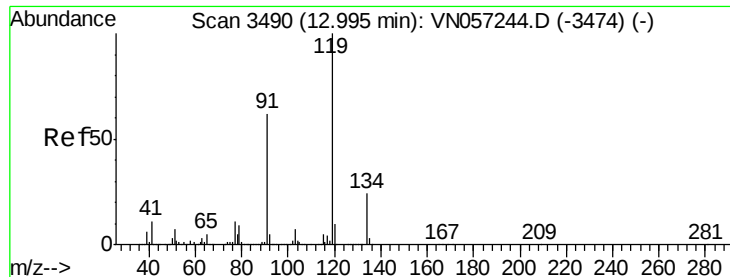
MMdadoda
8/19/2019 1:52:50 AM



#82
4-Chlorotoluene
Concen: 45.187 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.7





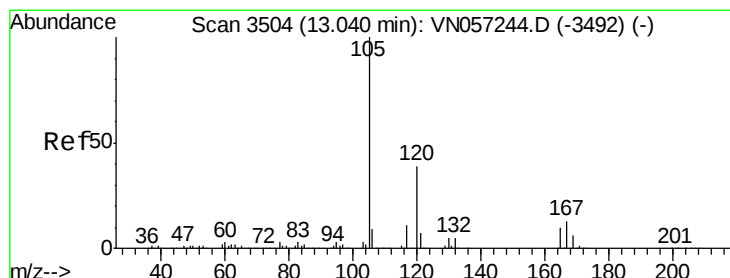
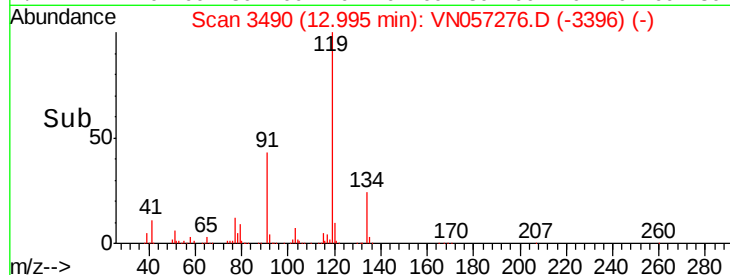
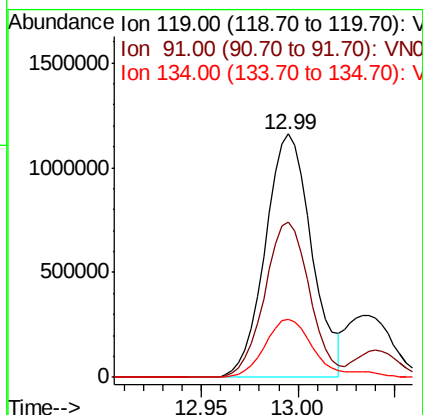
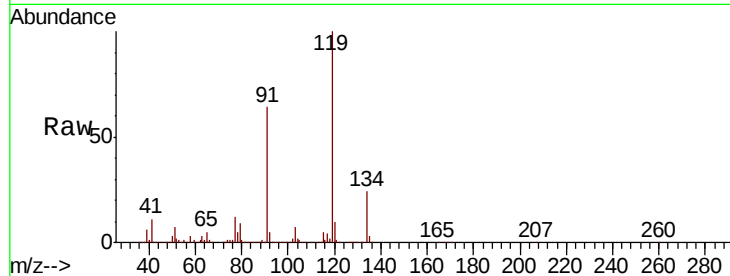
#83
 tert-Butylbenzene
 Concen: 49.593 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.3
134	25.8	12.9	38.7

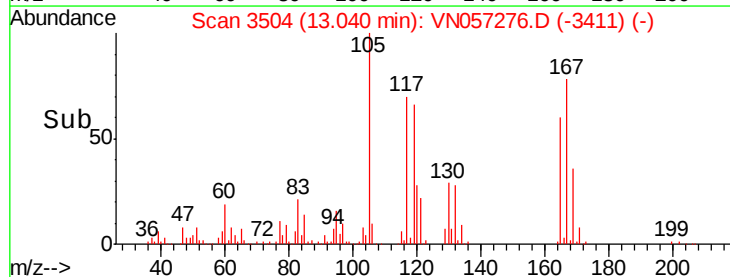
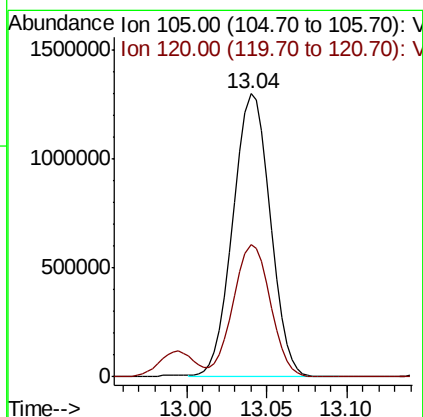
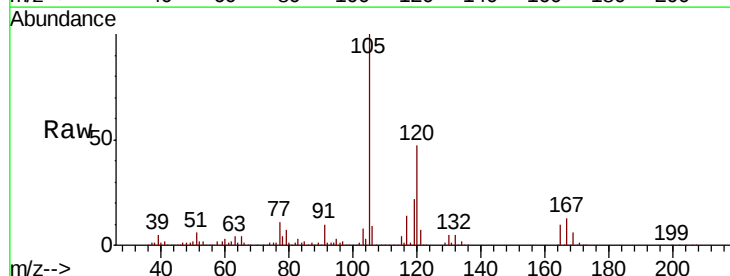
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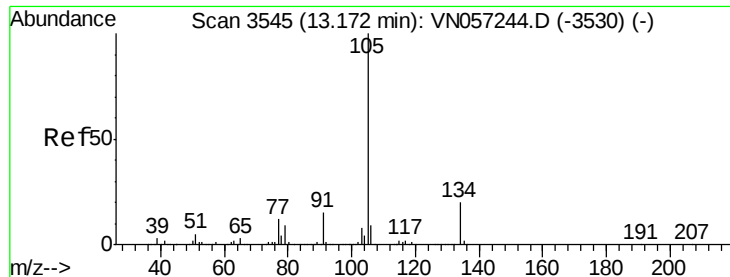
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.644 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.5





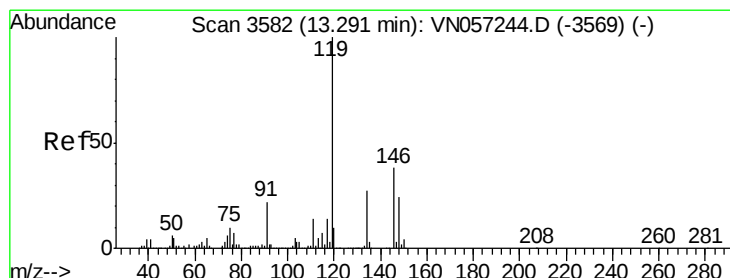
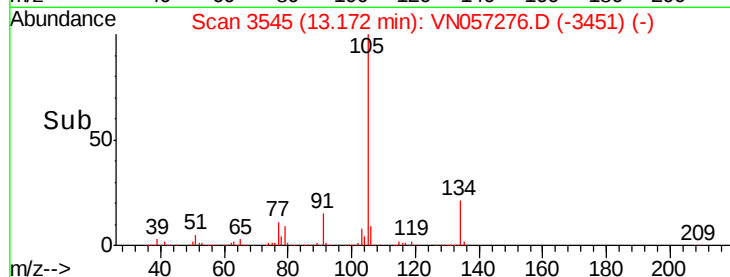
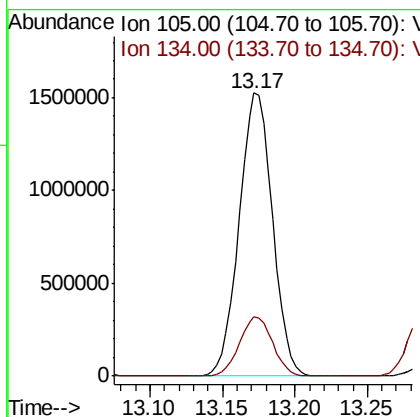
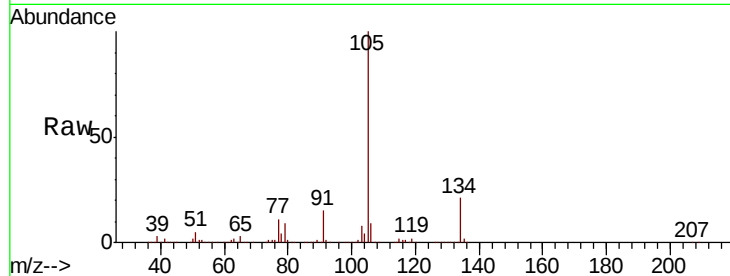
#85
 sec-Butylbenzene
 Concen: 49.223 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2435928
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2

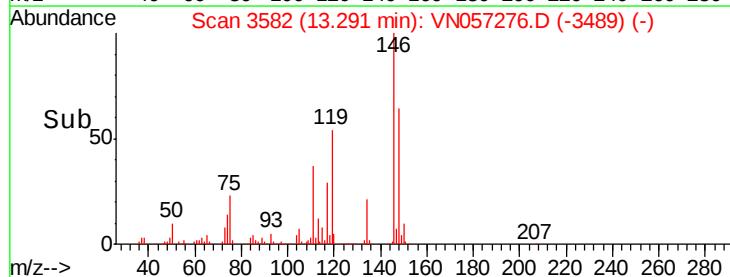
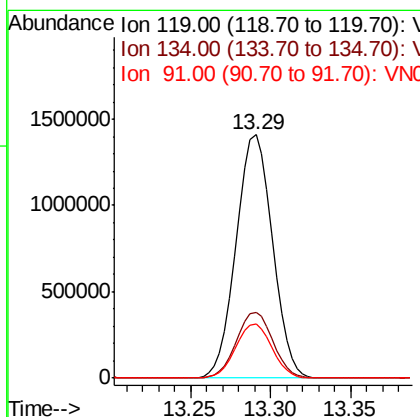
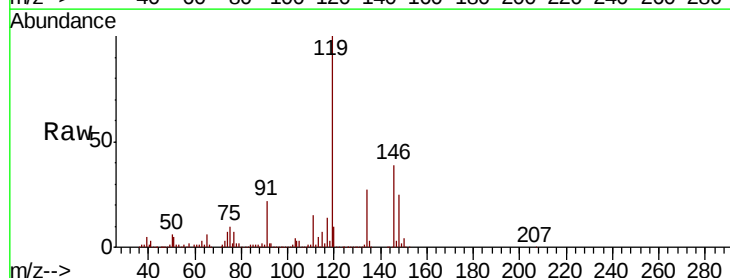
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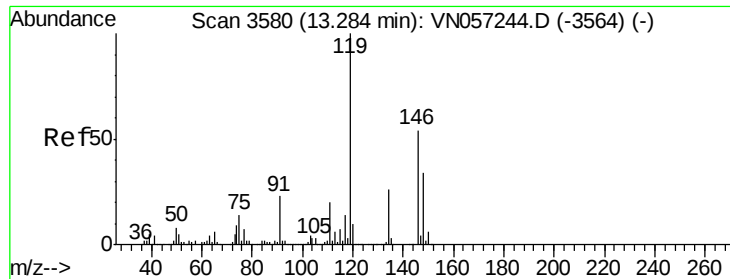
MMdadoda
 8/19/2019 1:52:50 AM



#86
 p-Isopropyltoluene
 Concen: 44.184 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion:119 Resp: 2180579
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 22.2 11.1 33.3





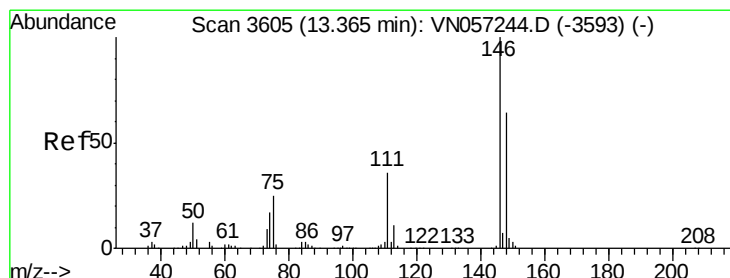
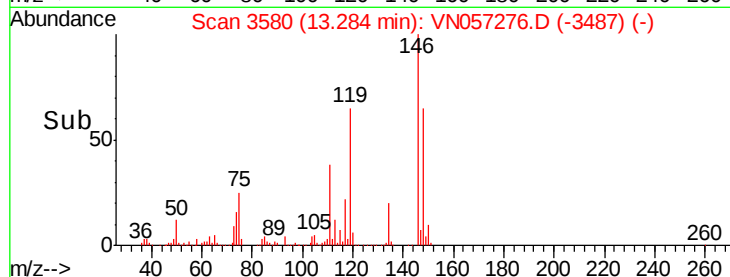
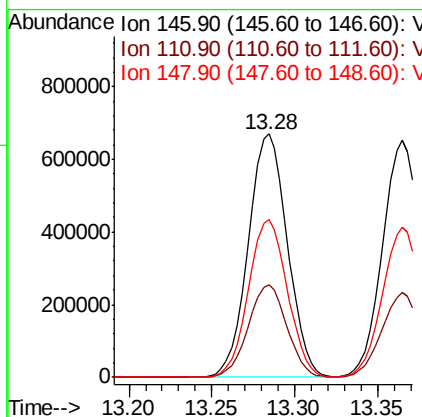
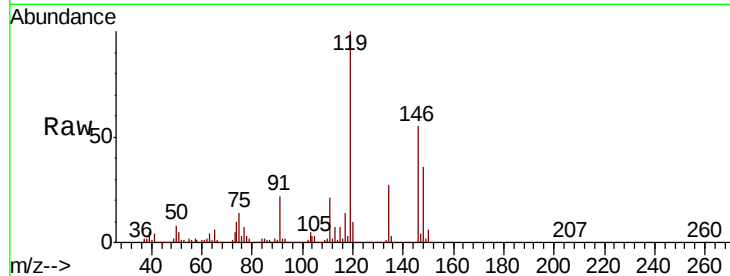
#87
 1,3-Dichlorobenzene
 Concen: 47.248 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1098529
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 64.5 32.1 96.5

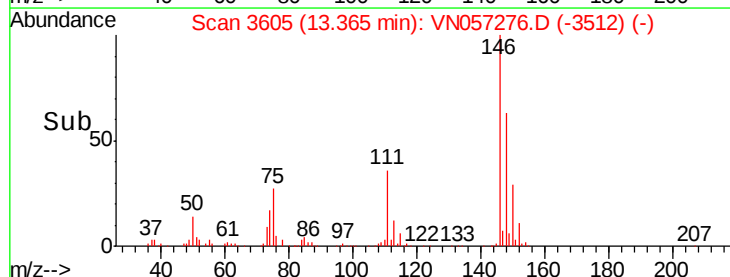
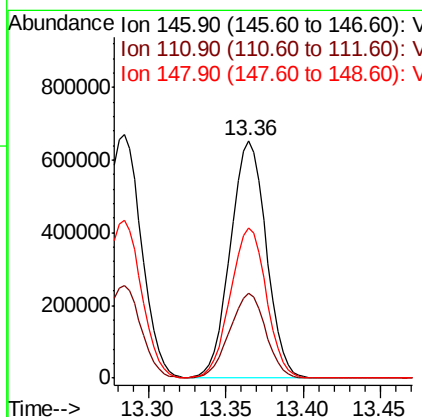
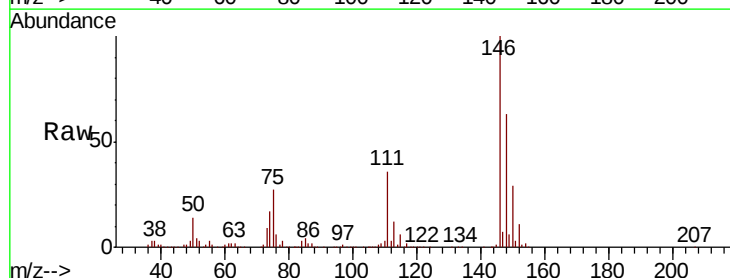
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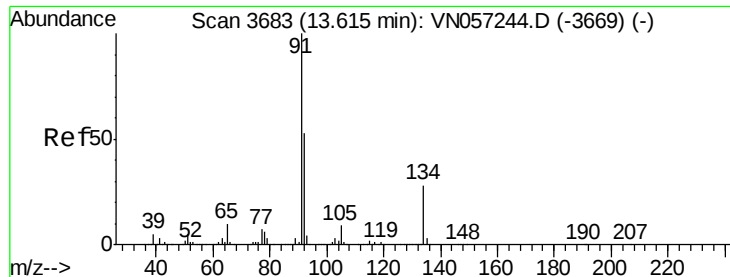
MMdadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.430 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion:146 Resp: 1049996
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.3 54.8
 148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 46.639 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057276.D

Acq: 14 Aug 2019 9:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 1614496

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.9

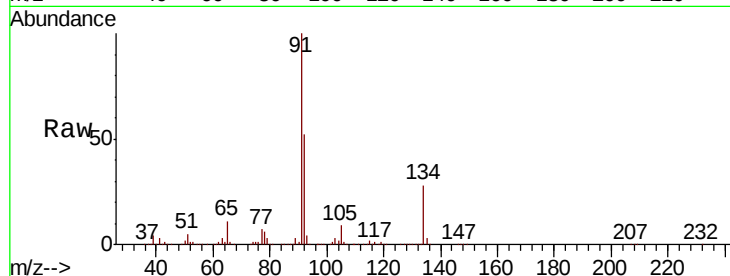
134 28.1 14.1 42.3

Manual Integrations

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MMdadoda

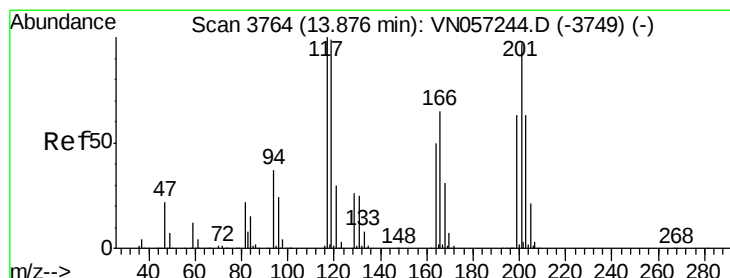
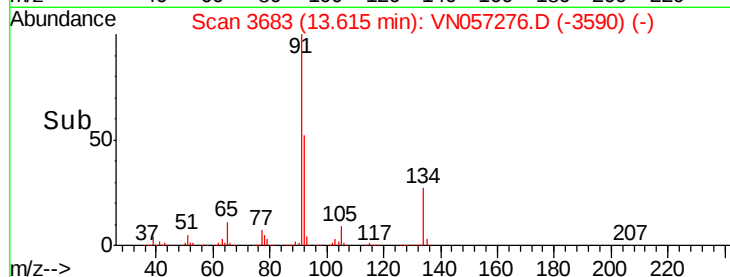
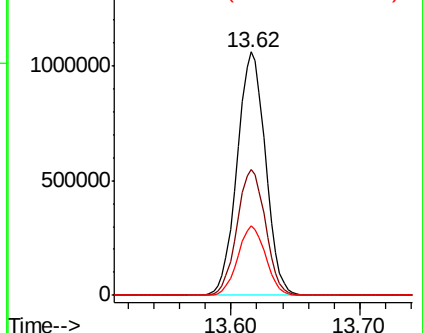
8/19/2019 1:52:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057276.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057276.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057276.D (-3670) (-)



#90

Hexachloroethane

Concen: 49.434 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057276.D

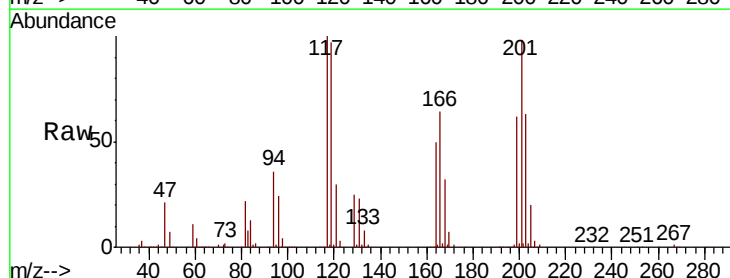
Acq: 14 Aug 2019 9:17

Tgt Ion: 117 Resp: 406765

Ion Ratio Lower Upper

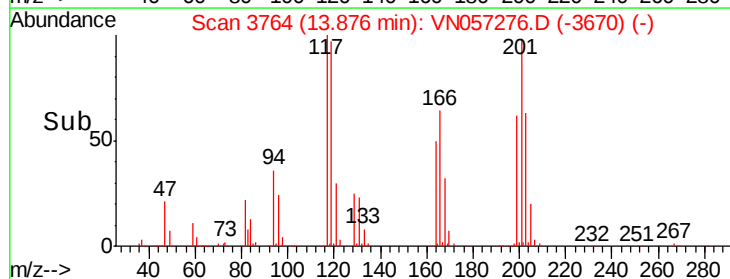
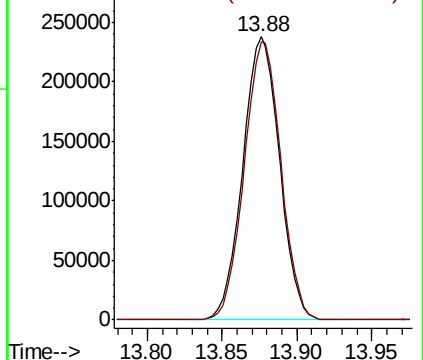
117 100

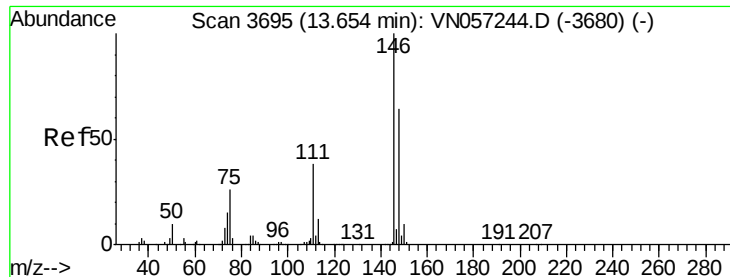
201 97.8 49.5 148.5



Abundance Ion 116.80 (116.50 to 117.50): VN057276.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN057276.D (-3670) (-)





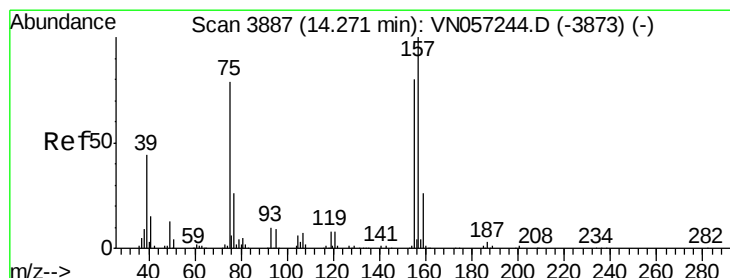
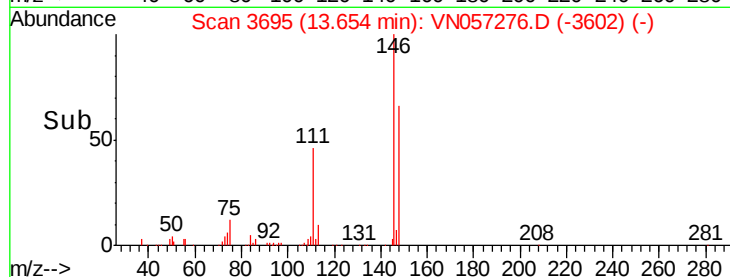
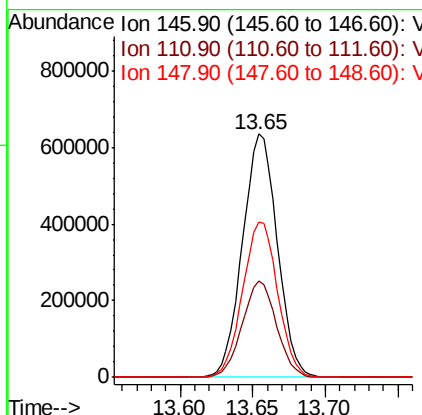
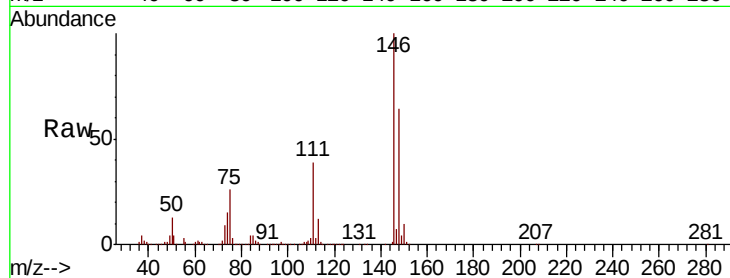
#91
 1,2-Dichlorobenzene
 Concen: 46.851 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.1	31.9	95.5

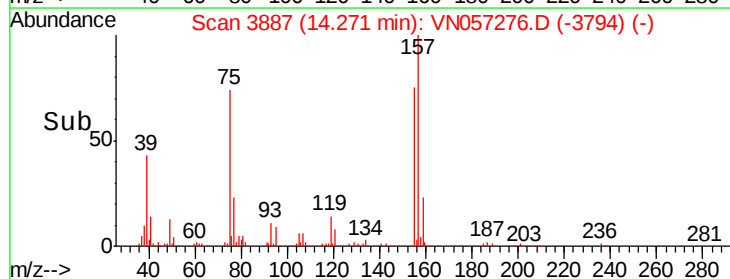
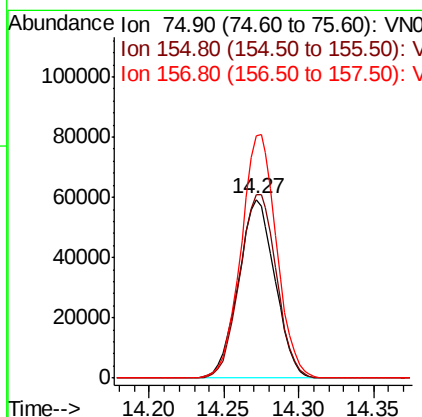
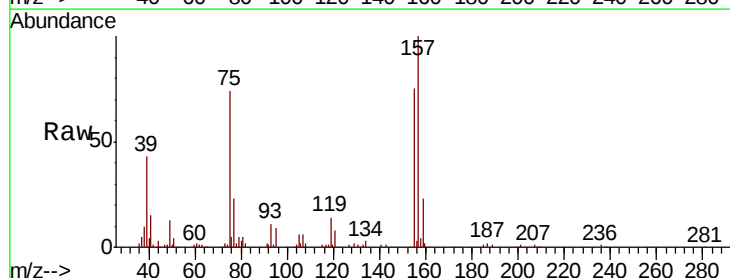
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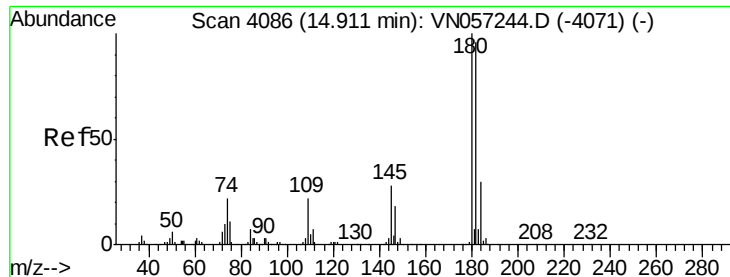
MMDadoda
 8/19/2019 1:52:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.922 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.3	50.3	151.0
157	132.8	65.3	195.9





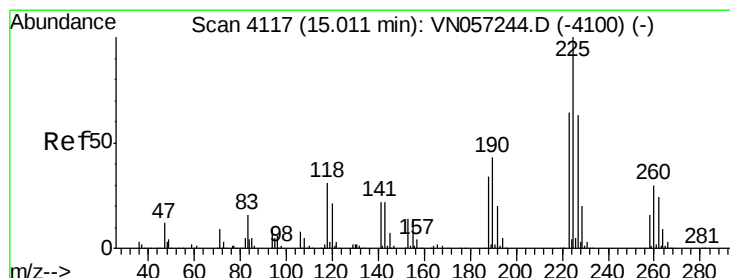
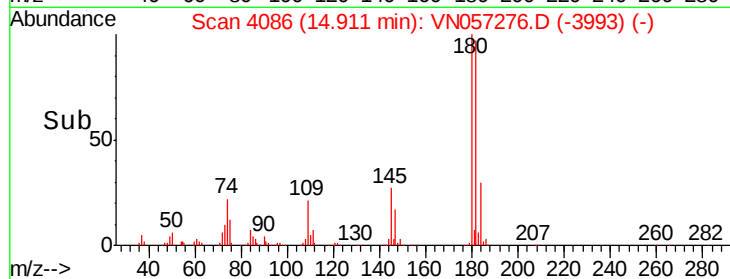
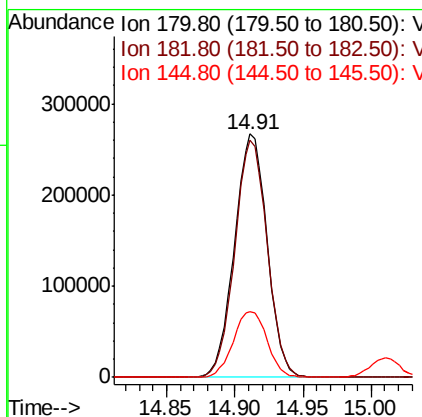
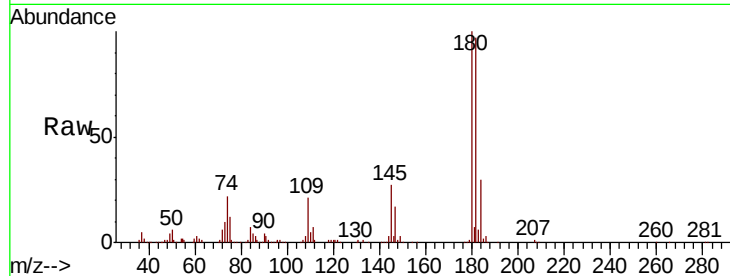
#93
 1,2,4-Trichlorobenzene
 Concen: 50.096 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.7	143.1
145	28.0	14.2	42.6

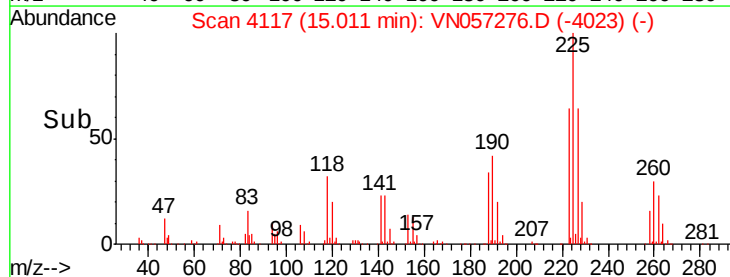
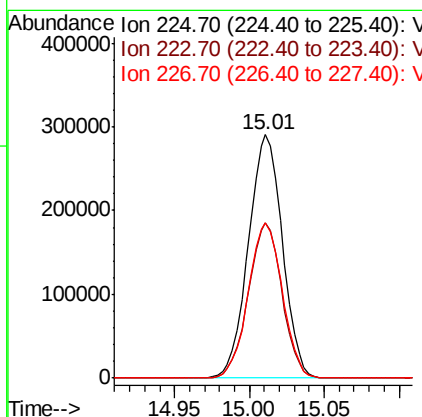
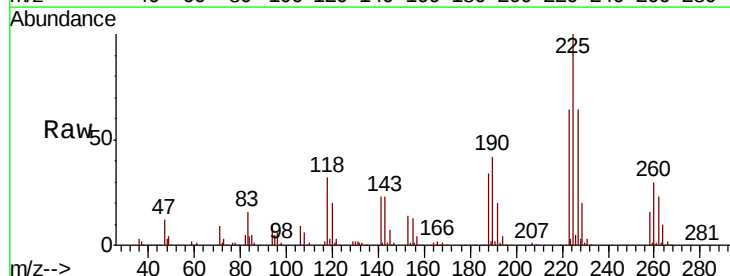
Manual Integrations
 APPROVED

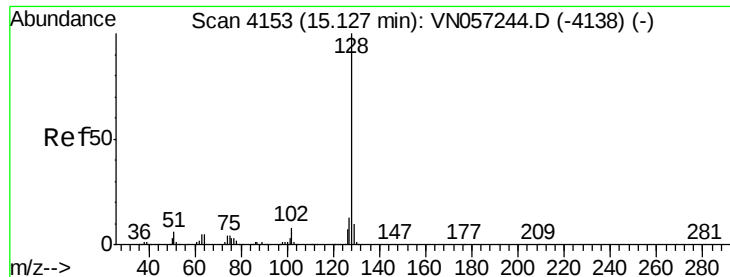
MMDadoda
 8/19/2019 1:52:50 AM



#94
 Hexachlorobutadiene
 Concen: 53.391 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057276.D
 Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.8	31.4	94.3





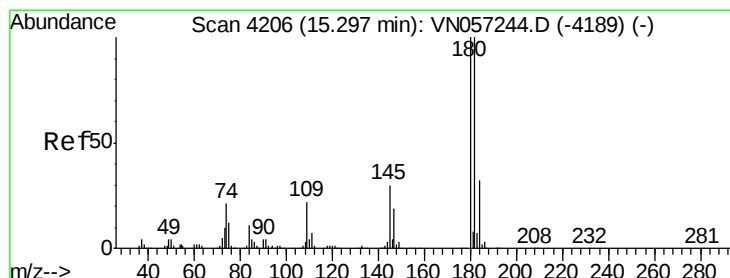
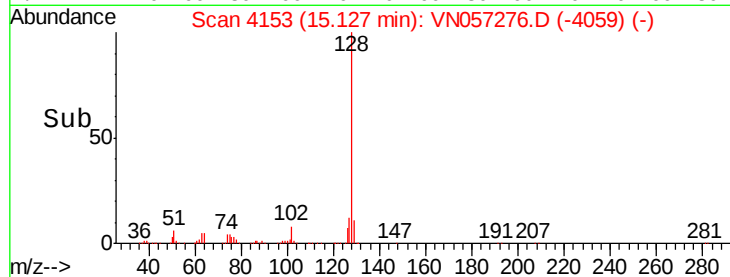
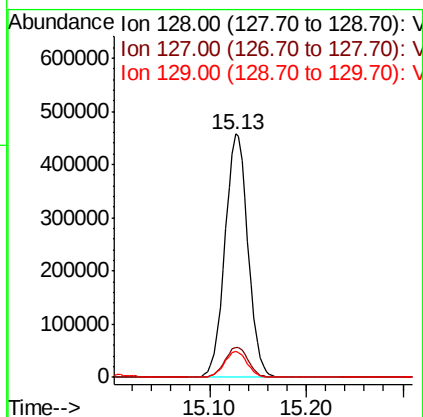
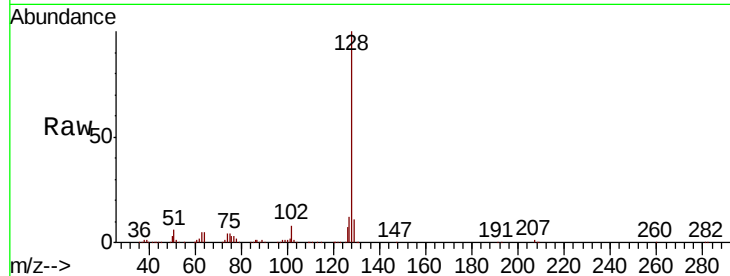
#95
Naphthalene
Concen: 52.835 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	752169		
127	12.5	10.4	15.6	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:52:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.020 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057276.D
Acq: 14 Aug 2019 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	388298		
182	95.2	48.9	146.7	
145	30.4	15.0	45.1	

