

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052714.D
 Acq On : 6 Dec 2018 23:05
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:13:15 PM

Quant Time: Dec 07 07:46:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	156432	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	899868	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	786078	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	317693	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	12.40	95	351682	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	10.09	98	1084873	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	163225	18.321	ug/l 98
3) Chloromethane	2.06	50	223664	18.929	ug/l 99
4) Vinyl Chloride	2.19	62	234393	19.655	ug/l 98
5) Bromomethane	2.58	94	138081	20.307	ug/l 97
6) Chloroethane	2.71	64	138386	19.513	ug/l 99
7) Trichlorofluoromethane	3.02	101	294624	20.018	ug/l 100
8) Diethyl Ether	3.41	74	110642	20.359	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	182171	19.525	ug/l 97
10) 1,1-Dichloroethene	3.74	96	176609	20.132	ug/l 97
11) Methyl Iodide	3.96	142	261865	21.500	ug/l 99
12) Methyl Acetate	4.33	43	160516	21.536	ug/l 100
13) Acrolein	3.61	56	70271	80.260	ug/l 99
14) Acrylonitrile	4.99	53	332384	104.660	ug/l 99
15) Acetone	3.82	58	73680	89.584	ug/l 96
16) Carbon Disulfide	4.06	76	513729	18.497	ug/l 100
17) Allyl chloride	4.33	41	277111	18.113	ug/l 98
18) Methylene Chloride	4.55	84	203295	20.015	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	188747	19.993	ug/l 94
20) Diisopropyl ether	5.95	45	641839	19.964	ug/l 99
21) 1,1-Dichloroethane	5.85	63	366530	20.003	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	219789	20.314	ug/l 98
23) tert-Butyl Alcohol	4.78	59	50691	107.297	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	486285	21.131	ug/l 98
25) Chloroform	7.37	83	359247	20.322	ug/l 99
26) Cyclohexane	7.66	56	327677	18.960	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	273098	19.873	ug/l 99
30) 2-Butanone	6.84	43	363895	98.962	ug/l 99
31) 2,2-Dichloropropane	6.82	77	234854	18.564	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	292597	20.463	ug/l 98
33) Carbon Tetrachloride	7.77	117	255893	20.453	ug/l 99
34) Benzene	8.04	78	834173	20.190	ug/l 99
35) Methacrylonitrile	7.17	41	93516	20.498	ug/l 98
36) 1,2-Dichloroethane	8.13	62	258552	20.651	ug/l 99
37) Trichloroethene	8.84	130	215019	20.524	ug/l 94
38) Methylcyclohexane	9.08	83	320646	18.849	ug/l 98
39) 1,2-Dichloropropane	9.12	63	222353	20.077	ug/l 94
40) Dibromomethane	9.21	93	127047	21.228	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	268807	20.329	ug/l	99
42) Vinyl Acetate	5.90	43	2007872	100.921	ug/l	99
43) Ethyl Acetate	6.93	43	182047m	23.283	ug/l	
44) Isopropyl Acetate	8.16	43	295441	21.545	ug/l	98
45) 1,4-Dioxane	9.20	88	30610	408.031	ug/l	95
46) Methyl methacrylate	9.20	41	151021	21.211	ug/l	98
47) n-amyl Acetate	12.07	43	231418	20.354	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	254764	19.871	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	309208	19.795	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	183799	21.666	ug/l	98
51) Ethyl methacrylate	10.43	69	227279	21.331	ug/l	96
52) 1,3-Dichloropropane	10.71	76	315532	20.896	ug/l	98
53) Dibromochloromethane	10.90	129	194868	20.864	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176591	21.302	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	616664	98.875	ug/l	99
56) Bromoform	12.13	173	129891	21.276	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	829464	108.842	ug/l	99
59) 2-Hexanone	10.75	43	536174	102.994	ug/l	99
61) Tetrachloroethene	10.63	164	214653	22.171	ug/l	96
62) Toluene	10.16	91	883170	20.380	ug/l	100
64) Chlorobenzene	11.44	112	539859	20.411	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	193471	21.073	ug/l	99
66) Ethyl Benzene	11.51	91	944507	20.223	ug/l	100
67) m/p-Xylenes	11.62	106	708695	40.730	ug/l	99
68) o-Xylene	11.95	106	342902	20.304	ug/l	99
69) Styrene	11.97	104	555006	20.360	ug/l	100
70) Isopropylbenzene	12.25	105	923837	20.560	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	213326	21.824	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	179295m	21.368	ug/l	
73) Bromobenzene	12.53	156	228508	21.026	ug/l	96
74) n-propylbenzene	12.59	91	1031751	19.707	ug/l	99
75) 2-Chlorotoluene	12.68	91	621475	20.450	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	741421	20.428	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51228	19.327	ug/l	93
78) 4-Chlorotoluene	12.77	91	613221	20.207	ug/l	99
79) tert-butylbenzene	12.99	119	656989	20.786	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	742701	20.451	ug/l	100
81) sec-Butylbenzene	13.17	105	886189	20.129	ug/l	100
82) p-Isopropyltoluene	13.29	119	749579	19.995	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	389952	20.402	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	371355	20.109	ug/l	100
85) n-Butylbenzene	13.62	91	589123	18.295	ug/l	100
86) Hexachloroethane	13.88	117	125684	19.787	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	383072	21.061	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30581	22.335	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	174579	19.482	ug/l	98
90) Hexachlorobutadiene	15.01	225	120558	20.508	ug/l	99
91) Naphthalene	15.13	128	365001	20.170	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	171715	20.793	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

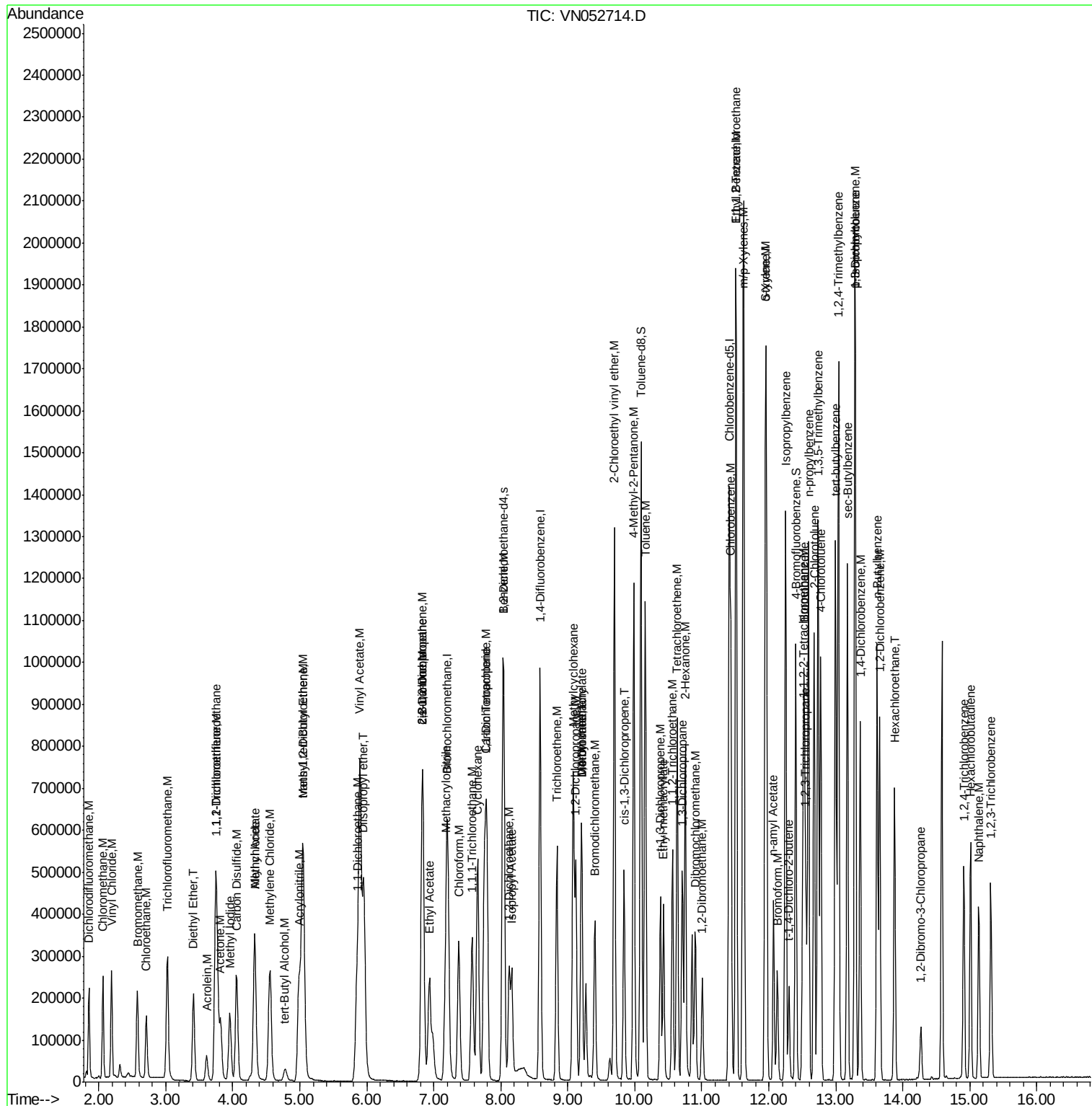
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
Data File : VN052714.D
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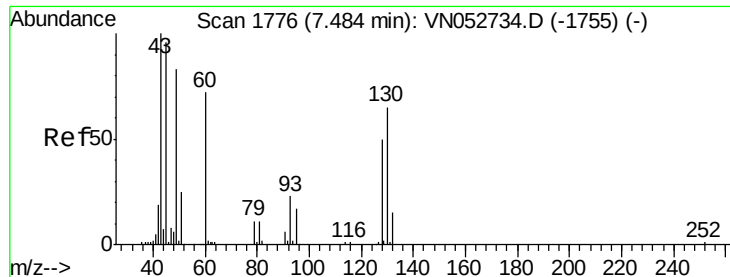
Instrument :
MSVOA_N
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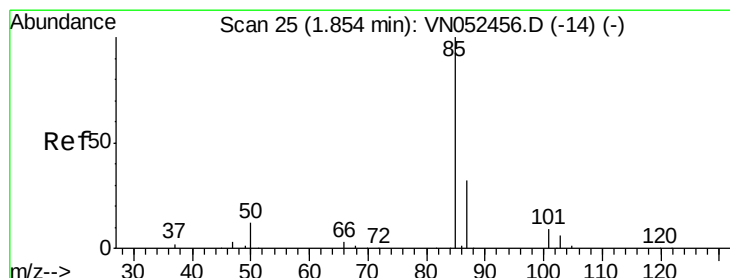
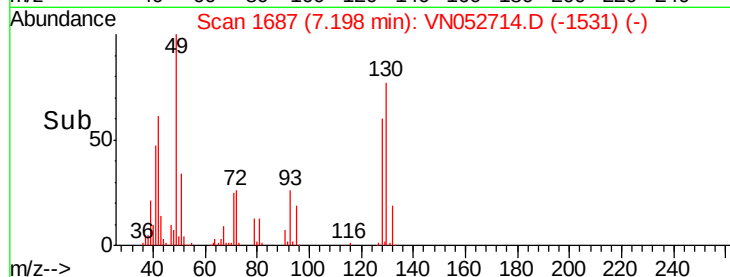
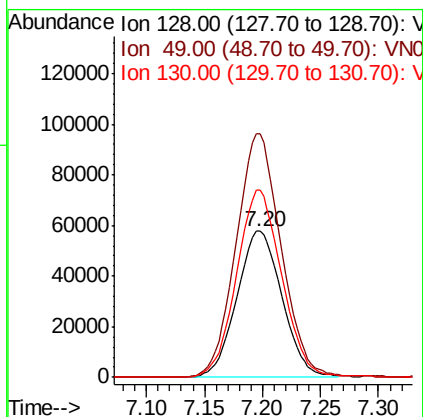
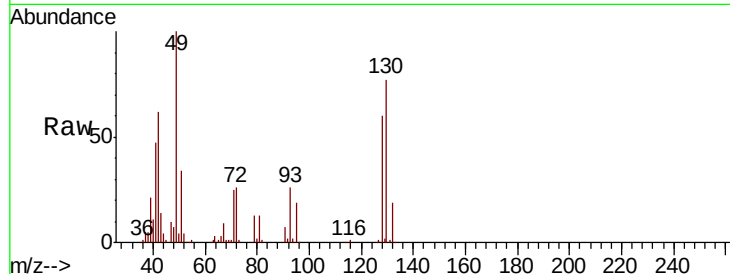
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	166.2	0.0	431.8
130	128.0	0.0	317.0

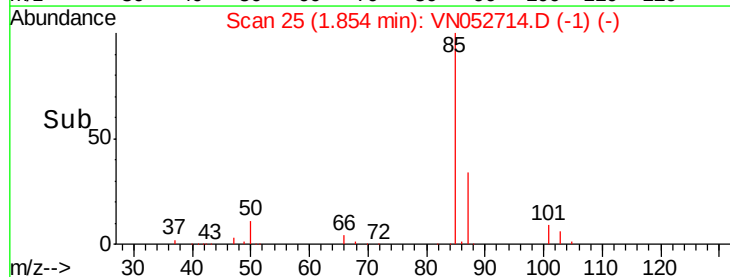
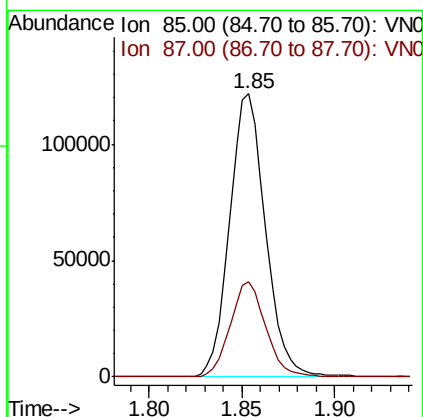
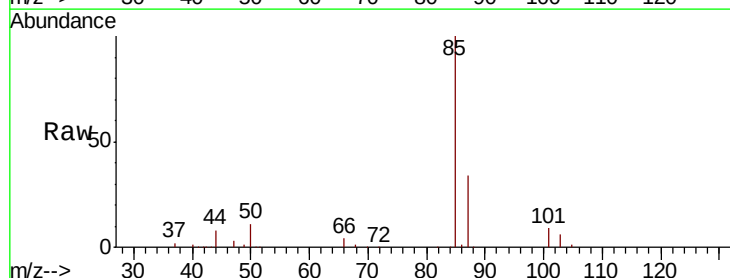
Manual Integrations
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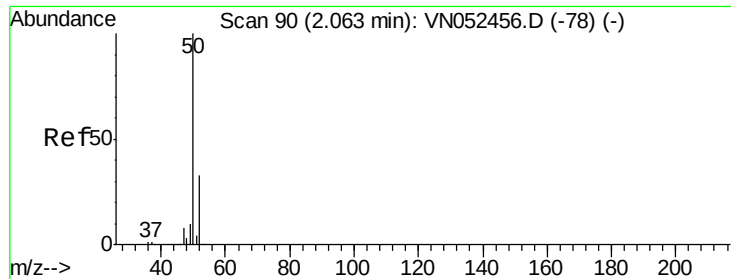
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#2
Dichlorodifluoromethane
Concen: 18.321 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.3





#3

Chloromethane

Concen: 18.929 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 223664

Ion Ratio Lower Upper

50 100

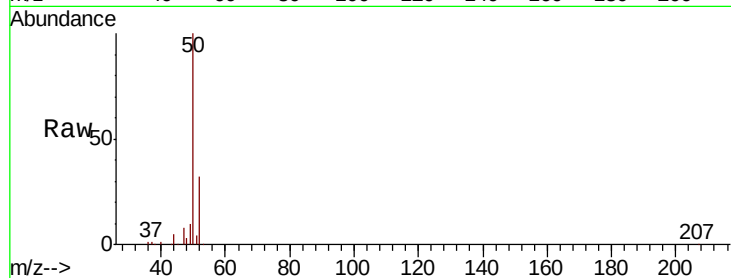
52 32.4 26.5 39.7

Manual Integrations

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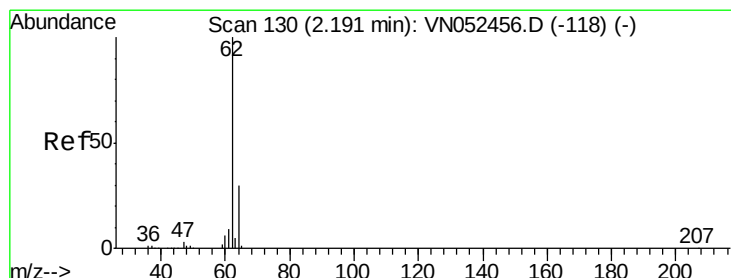
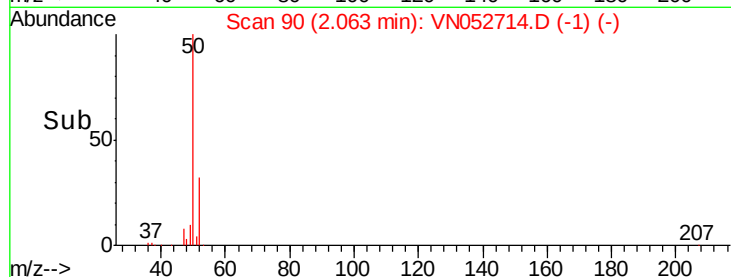
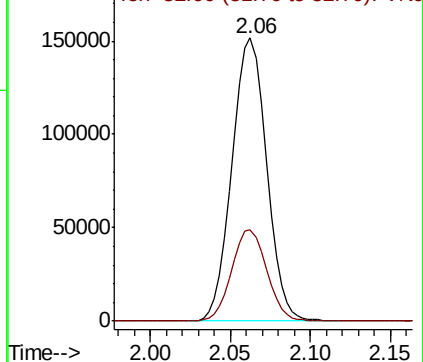
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.655 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052714.D

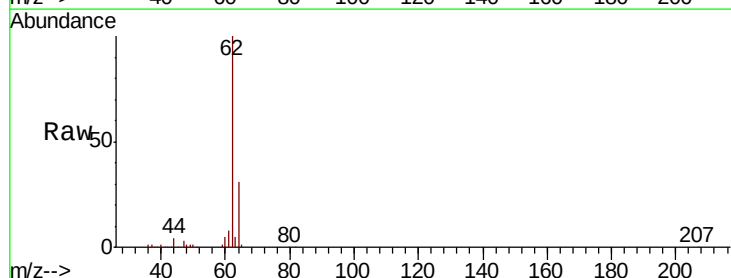
Acq: 6 Dec 2018 23:05

Tgt Ion: 62 Resp: 234393

Ion Ratio Lower Upper

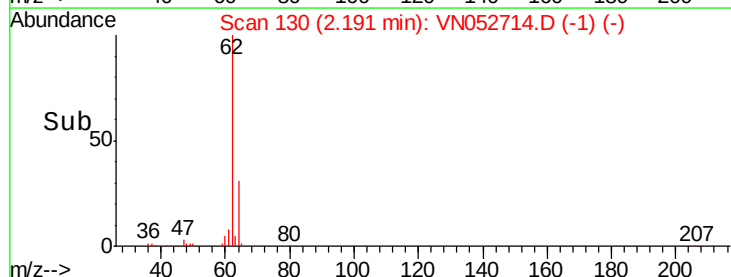
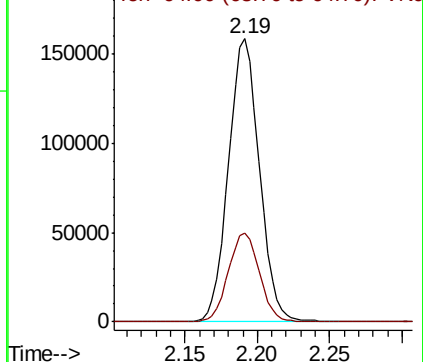
62 100

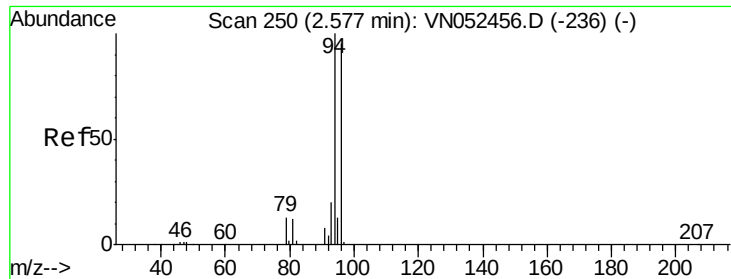
64 31.3 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.307 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 138081

Ion Ratio Lower Upper

94 100

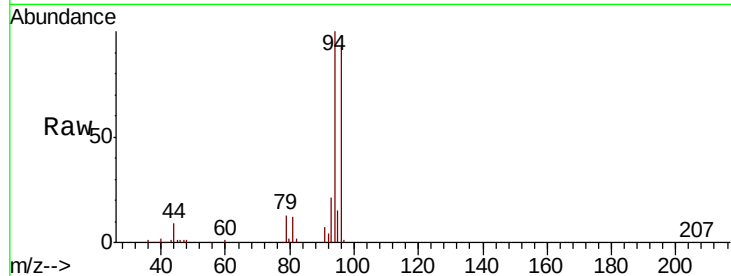
96 92.5 76.2 114.2

Manual Integrations

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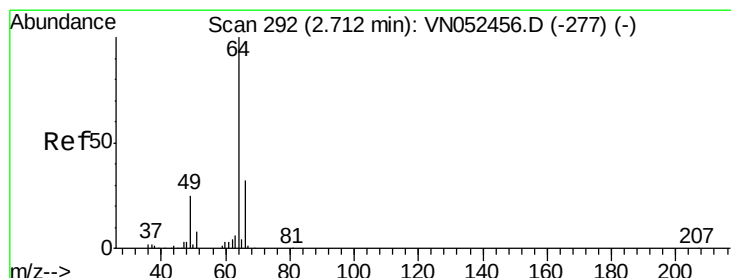
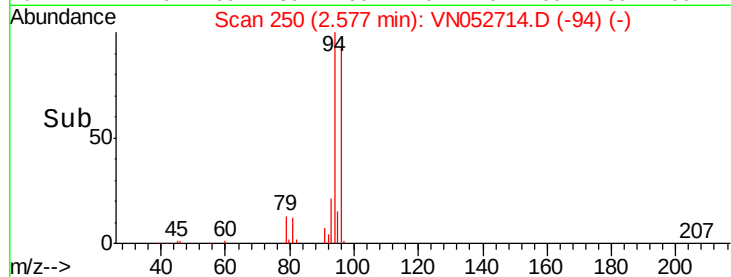
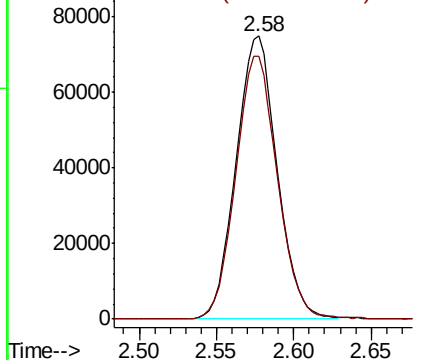
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.513 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052714.D

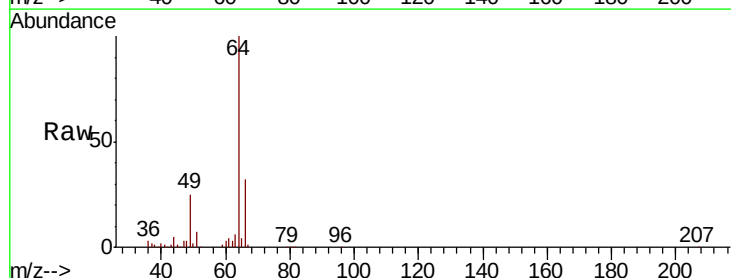
Acq: 6 Dec 2018 23:05

Tgt Ion: 64 Resp: 138386

Ion Ratio Lower Upper

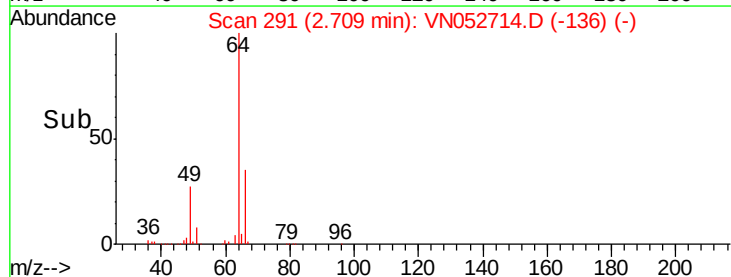
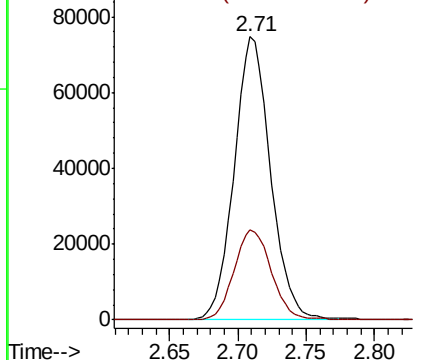
64 100

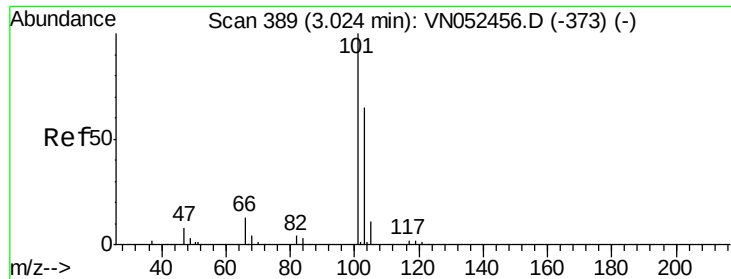
66 31.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

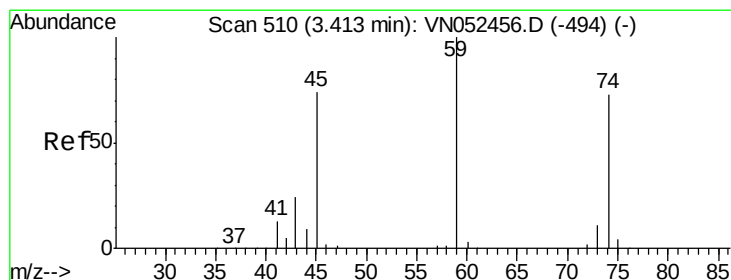
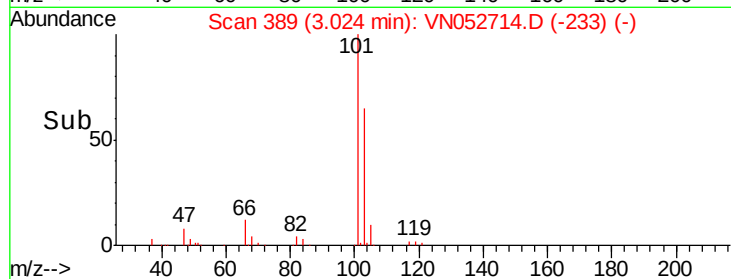
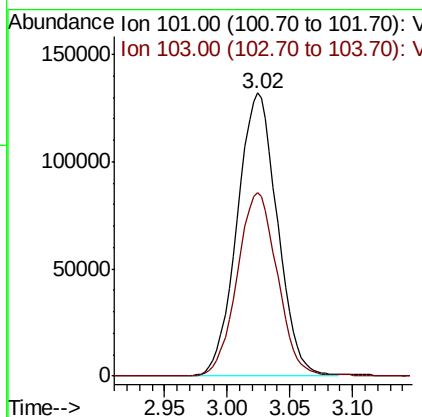
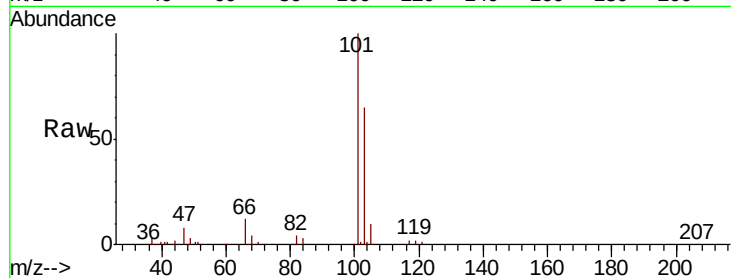
Trichlorofluoromethane
Concen: 20.018 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

Manual Integrations
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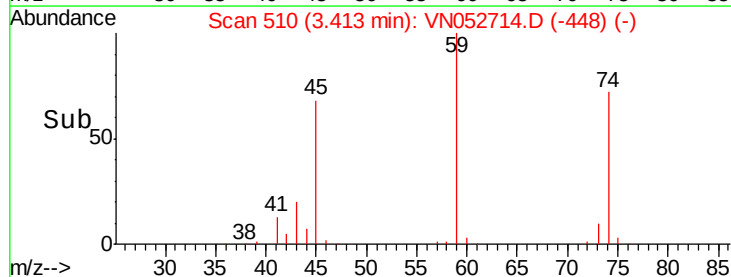
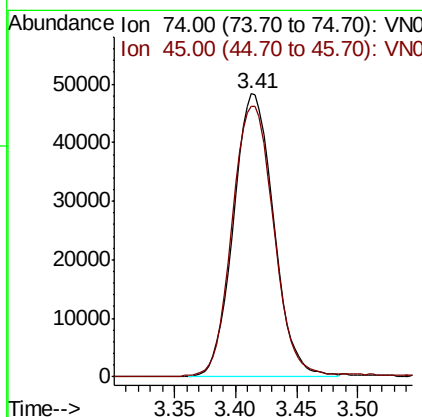
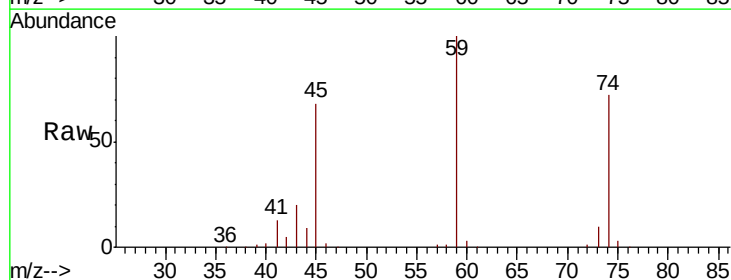
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12/7/2018 1:13:15 PM

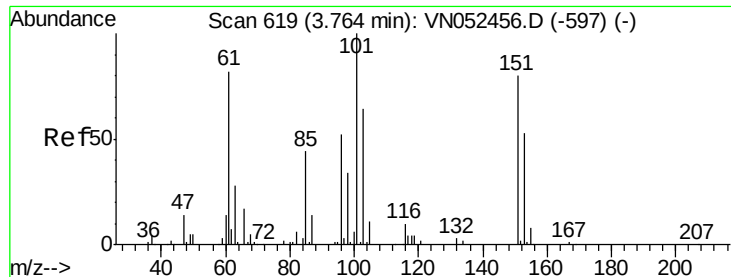


#8

Diethyl Ether
Concen: 20.359 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.525 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

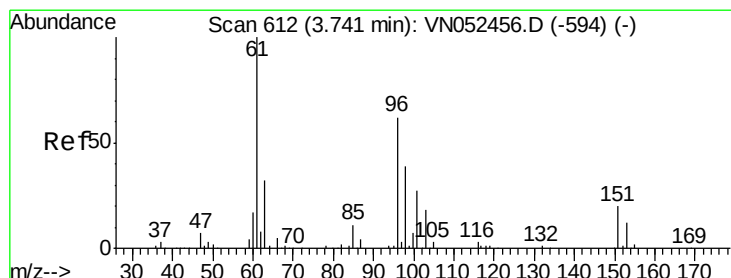
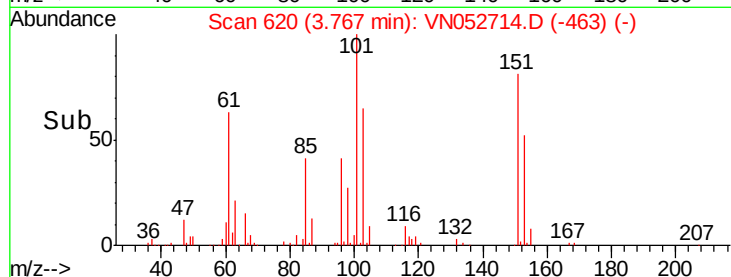
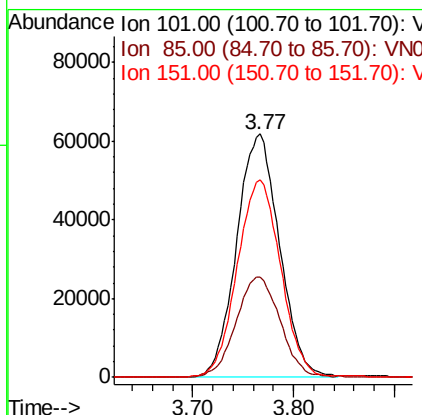
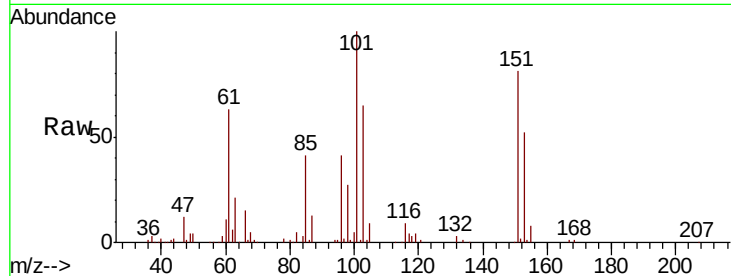
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	182171
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	82.6
151	82.1	0.0	158.4

Manual Integrations
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MMDadoda
12/7/2018 1:13:15 PM



#10

1,1-Dichloroethene

Concen: 20.132 ug/l

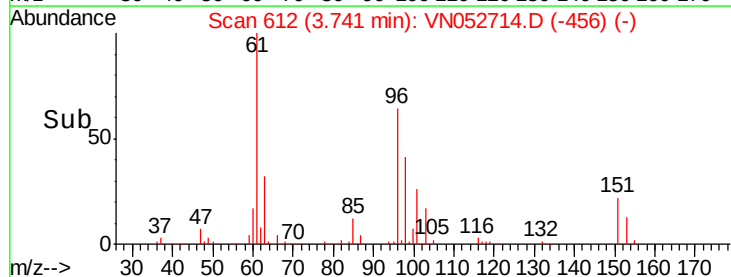
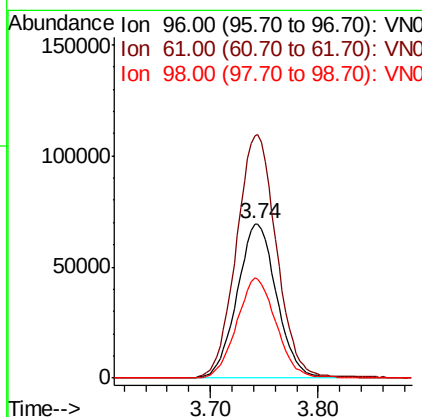
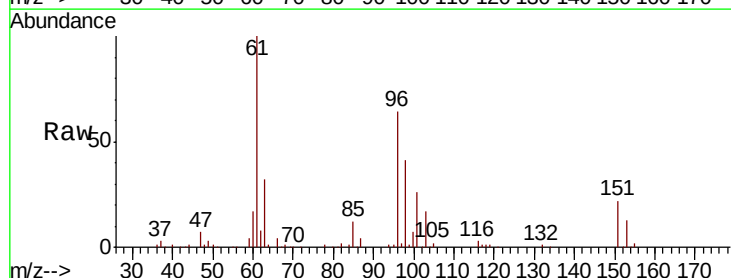
RT: 3.74 min Scan# 612

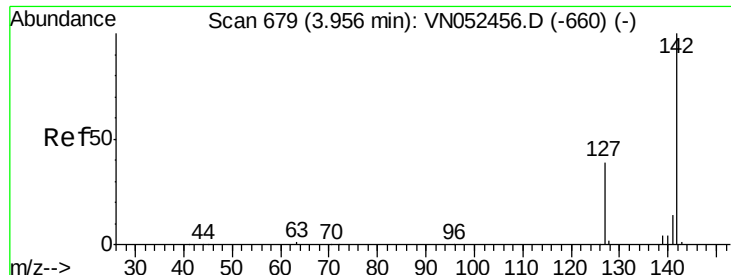
Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	96	Resp:	176609
Ion Ratio	Lower	Upper	
96	100		
61	157.3	129.4	194.2
98	65.2	50.4	75.6





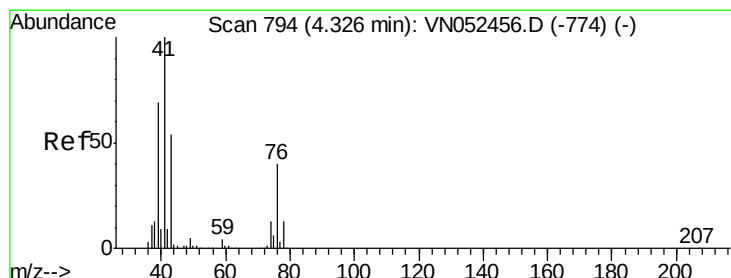
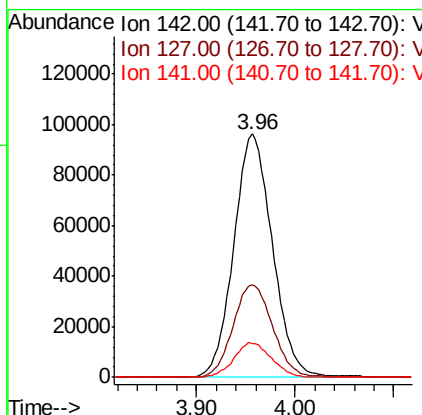
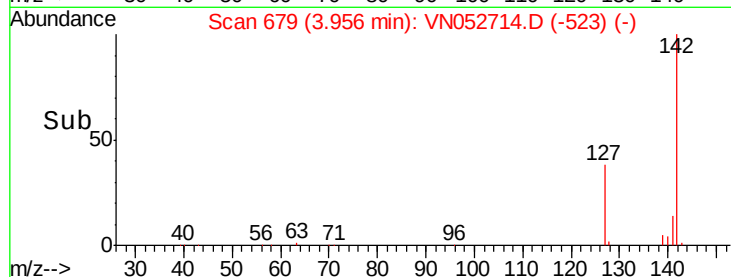
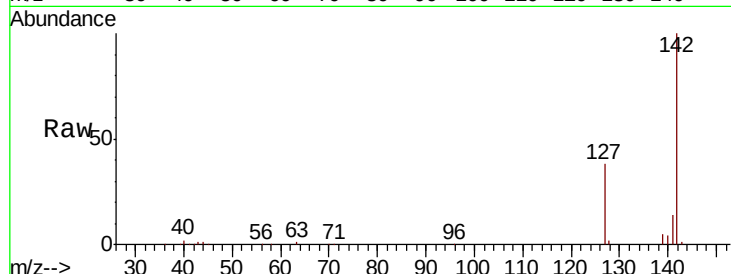
#11
Methvl Iodide
Concen: 21.500 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.4	58.1
141	14.1	7.2	21.6

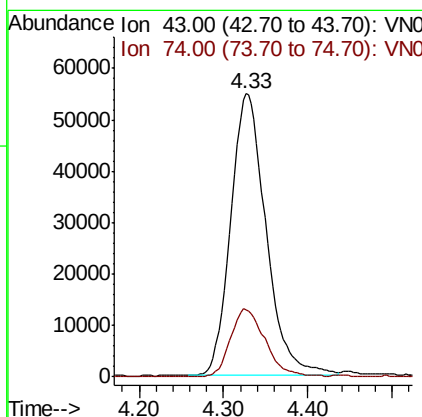
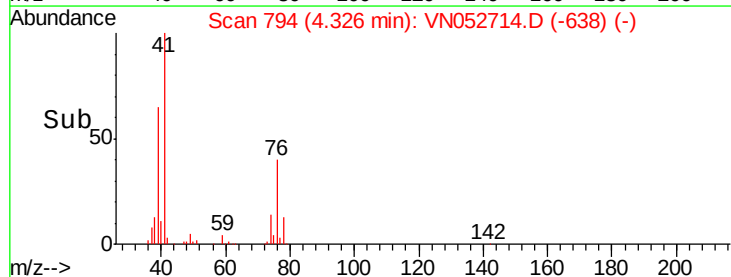
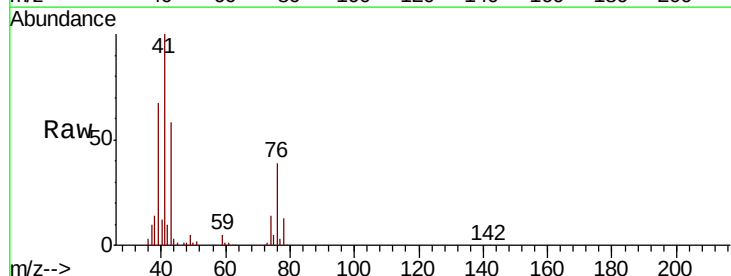
Manual Integrations
APPROVED

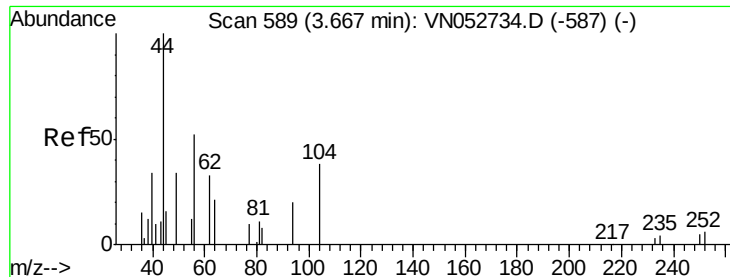
MMDadoda
12/7/2018 1:13:15 PM



#12
Methyl Acetate
Concen: 21.536 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





#13

Acrolein

Concen: 80.260 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 70271

Ion Ratio Lower Upper

56 100

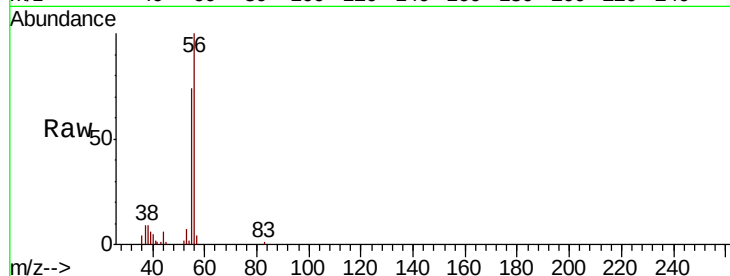
55 71.7 56.7 85.1

Manual Integrations

APPROVED

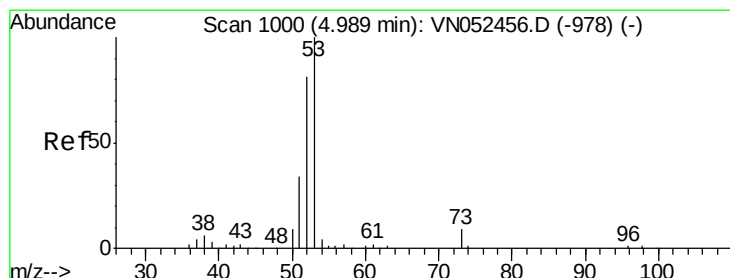
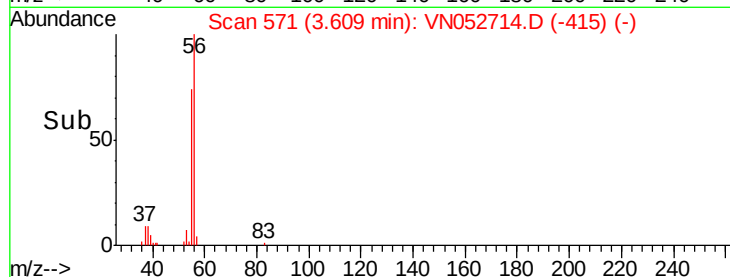
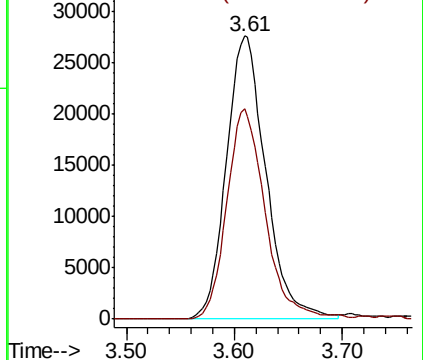
MMDadoda

12/7/2018 1:13:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.660 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

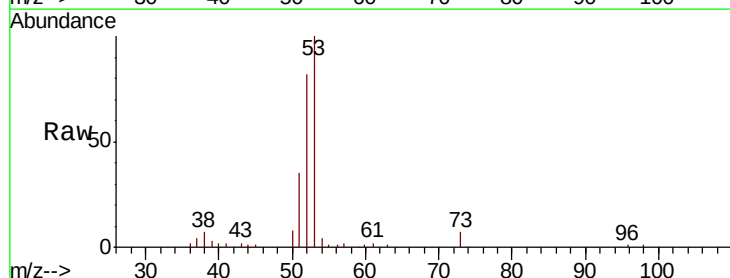
Tgt Ion: 53 Resp: 332384

Ion Ratio Lower Upper

53 100

52 80.6 39.9 119.7

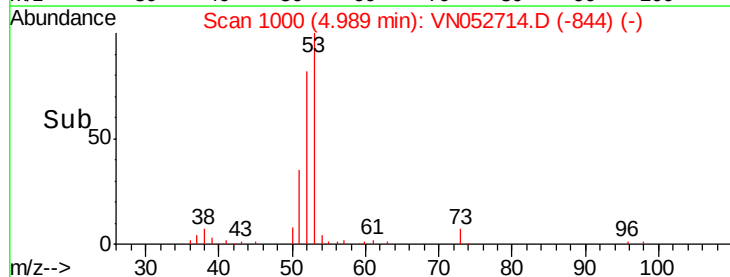
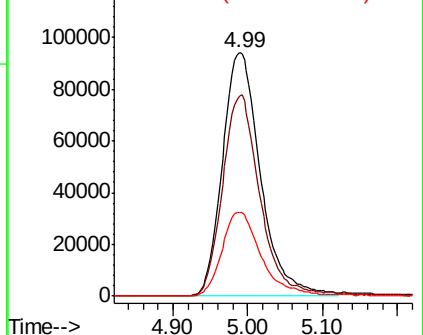
51 35.4 17.6 52.9

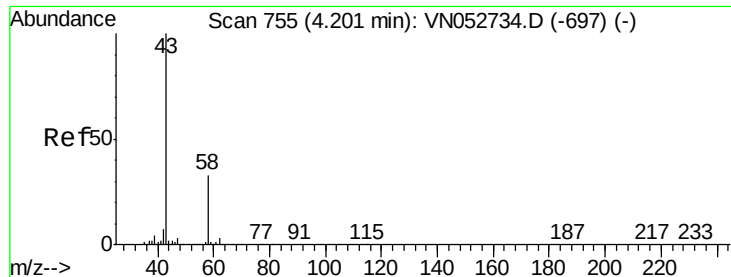


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 89.584 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 73680

Ion Ratio Lower Upper

58 100

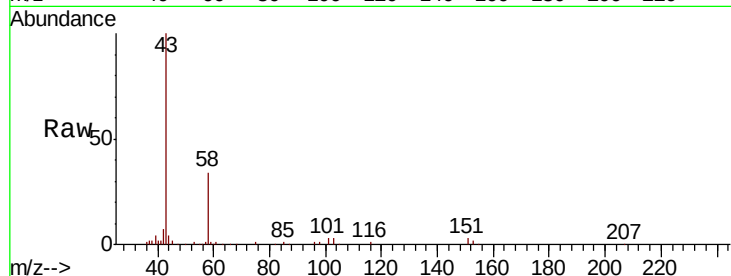
43 295.9 243.6 365.4

Manual Integrations

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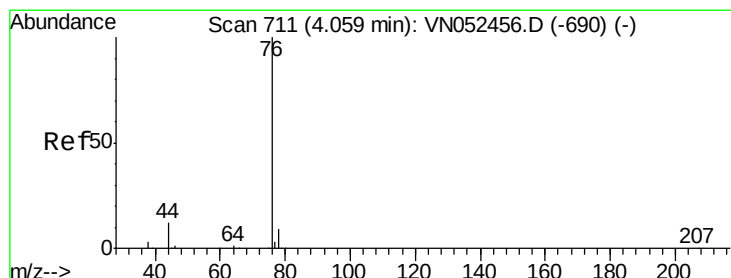
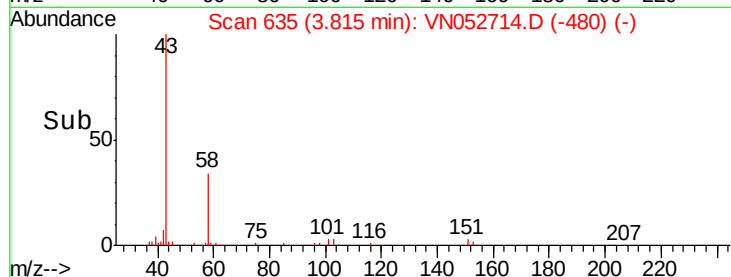
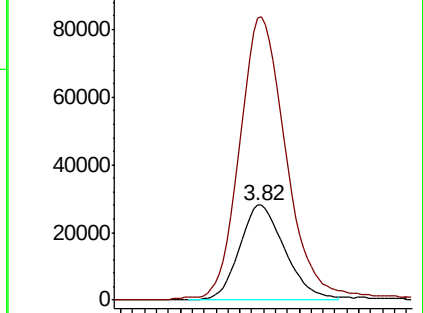
MMDadoda

12/7/2018 1:13:15 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.497 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052714.D

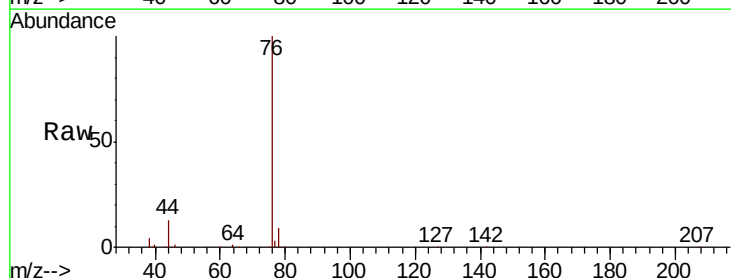
Acq: 6 Dec 2018 23:05

Tgt Ion: 76 Resp: 513729

Ion Ratio Lower Upper

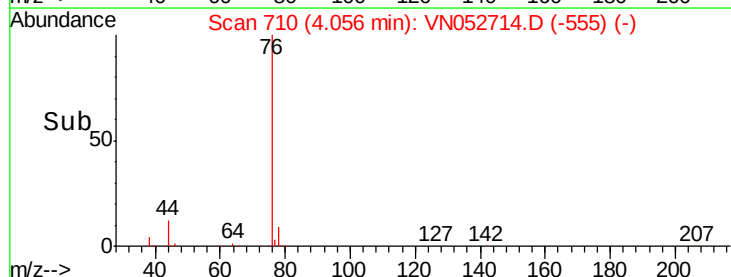
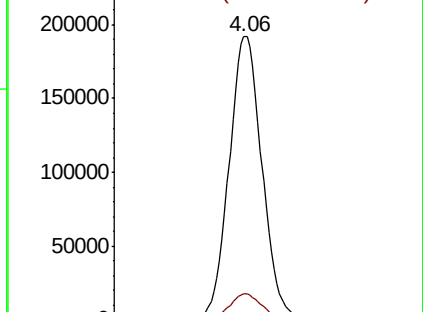
76 100

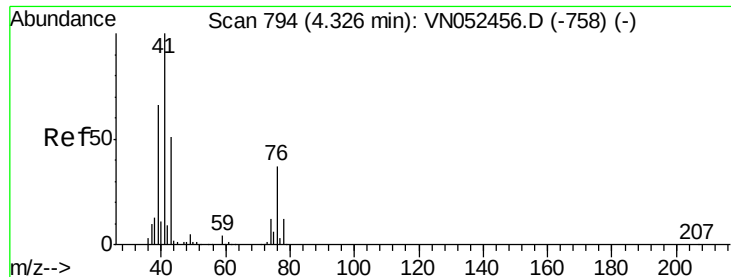
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





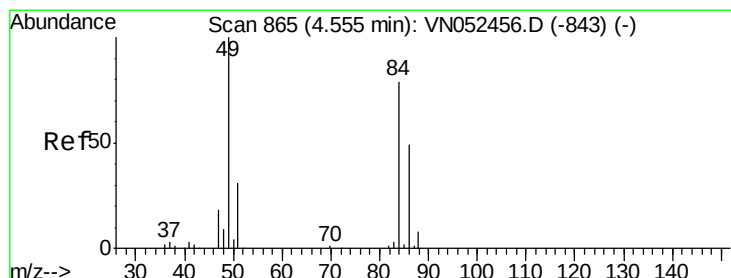
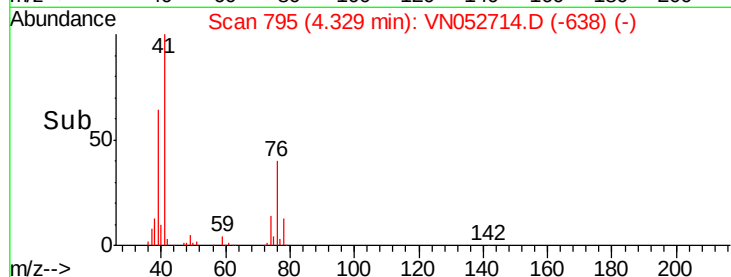
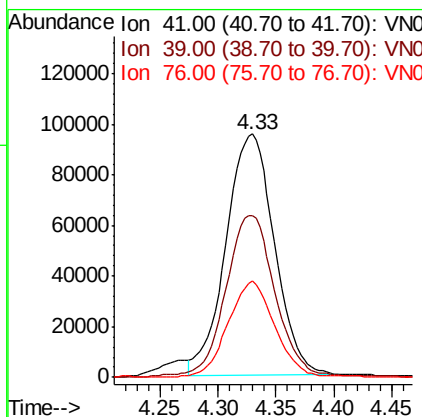
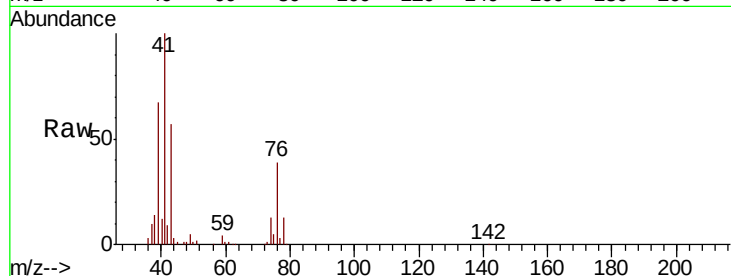
#17
Allvl chloride
Concen: 18.113 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	277111
Ion	Ratio	Lower	Upper
41	100		
39	66.5	32.8	98.3
76	39.5	18.6	55.8

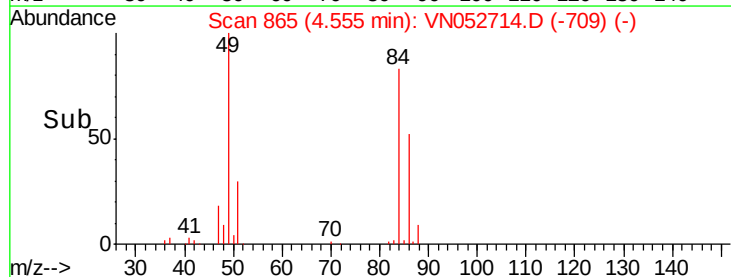
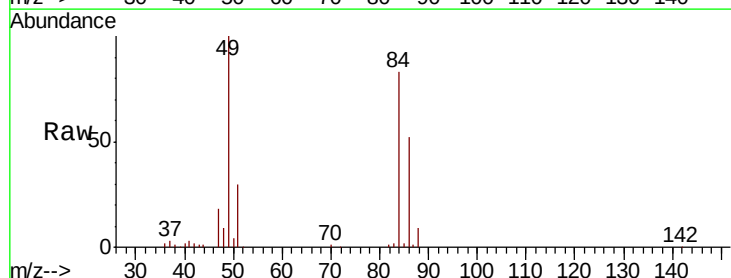
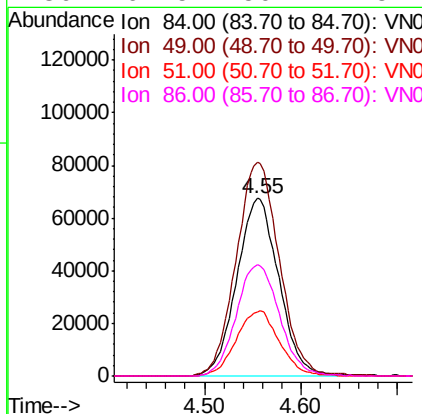
Manual Integrations
APPROVED

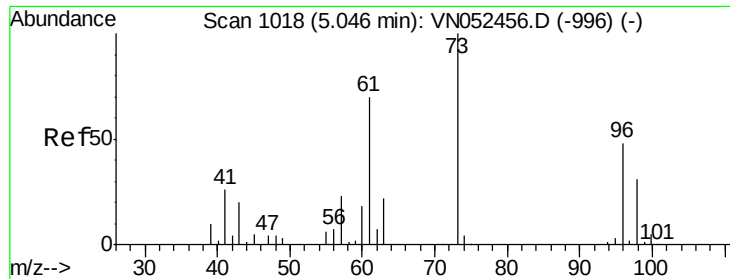
MMDadoda
12/7/2018 1:13:15 PM



#18
Methylene Chloride
Concen: 20.015 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion:	84	Resp:	203295
Ion	Ratio	Lower	Upper
84	100		
49	120.1	101.4	152.0
51	36.4	31.7	47.5
86	62.5	50.1	75.1





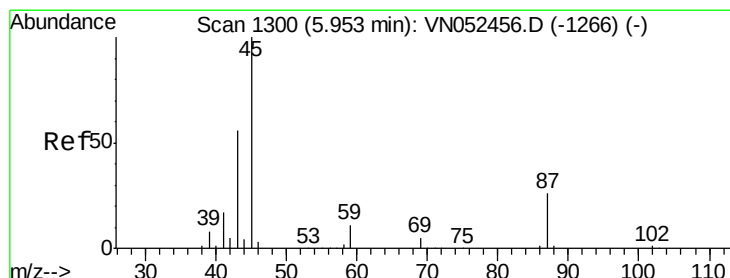
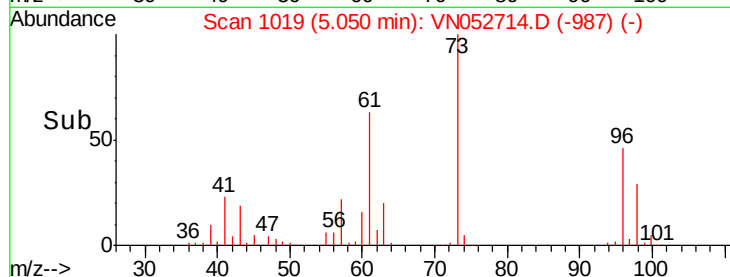
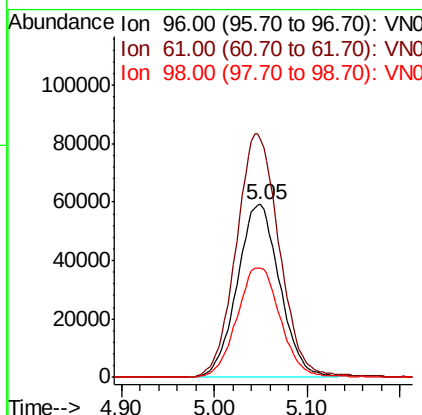
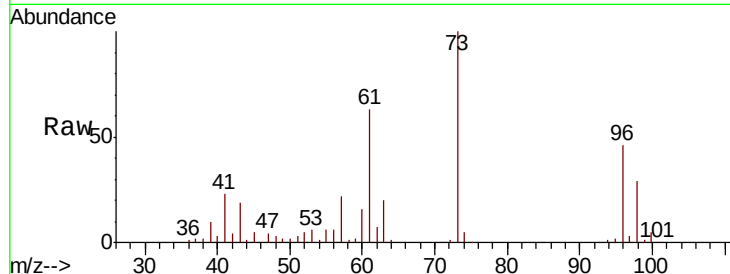
#19
trans-1,2-Dichloroethene
Concen: 19.993 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	118.2	177.4
98	62.9	51.4	77.2

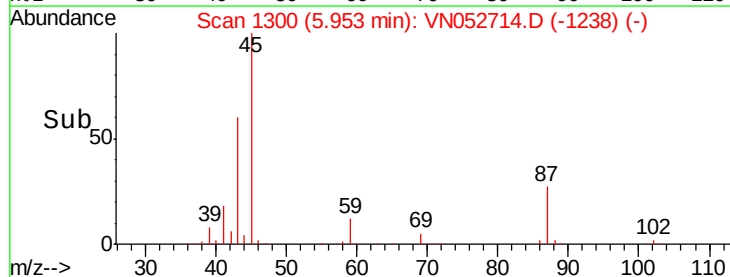
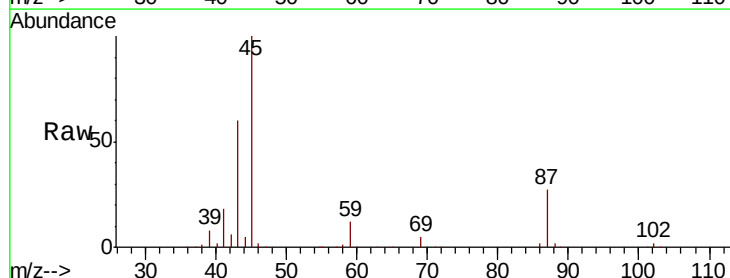
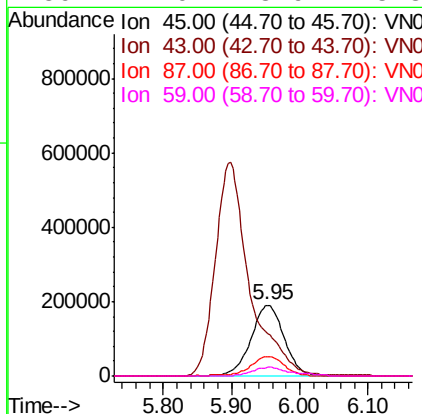
Manual Integrations
APPROVED

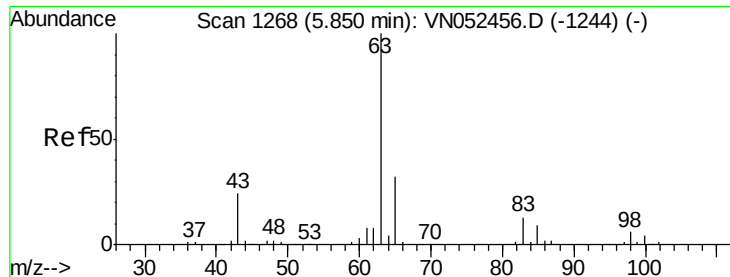
MMDadoda
12/7/2018 1:13:15 PM



#20
Diisopropyl ether
Concen: 19.964 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.8	71.8
87	26.8	21.3	31.9
59	12.0	8.9	13.3





#21

1,1-Dichloroethane

Concen: 20.003 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

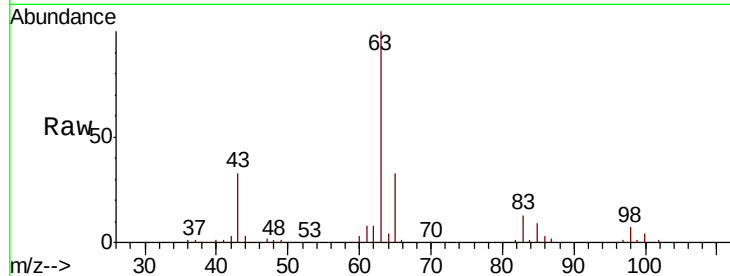
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	366530
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.0	9.2
100	4.4	1.8	5.5

Manual Integrations
APPROVED

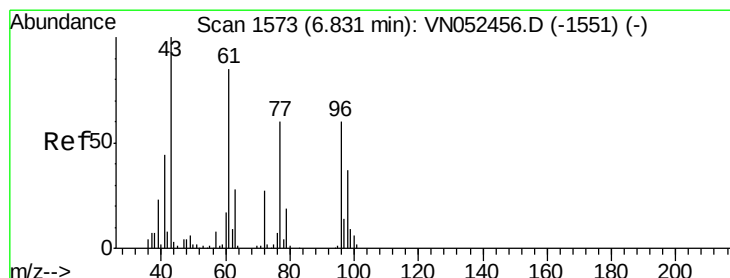
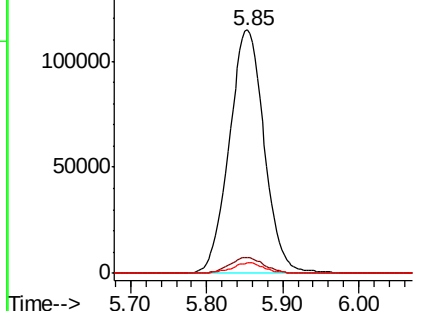
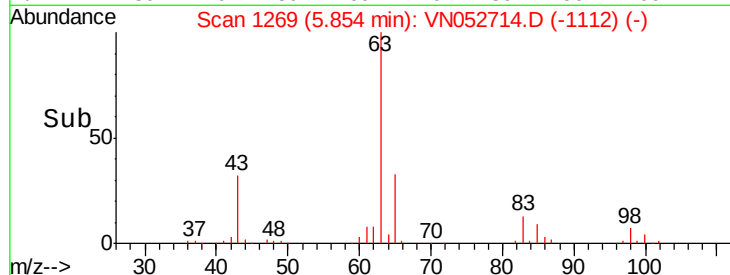
MMDadoda
12/7/2018 1:13:15 PM



Abundance Ion 63.00 (62.70 to 63.70): VN052714.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052714.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052714.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.314 ug/l

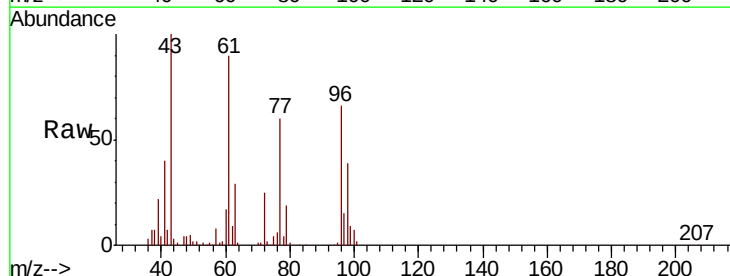
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

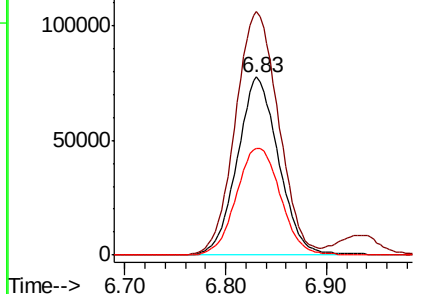
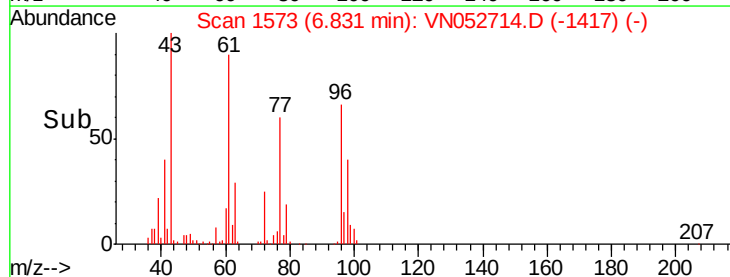
Tgt Ion:	96	Resp:	219789
Ion Ratio	Lower	Upper	
96	100		
61	143.6	116.7	175.1
98	64.6	50.8	76.2

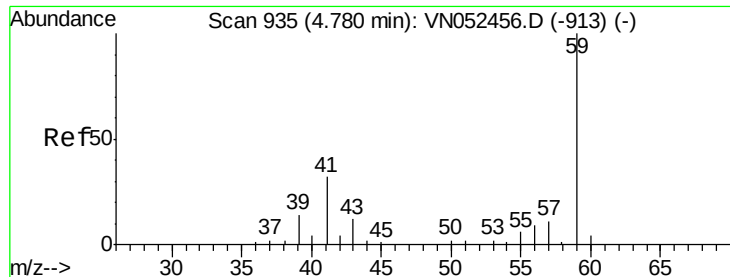


Abundance Ion 96.00 (95.70 to 96.70): VN052714.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052714.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052714.D (-1417) (-)





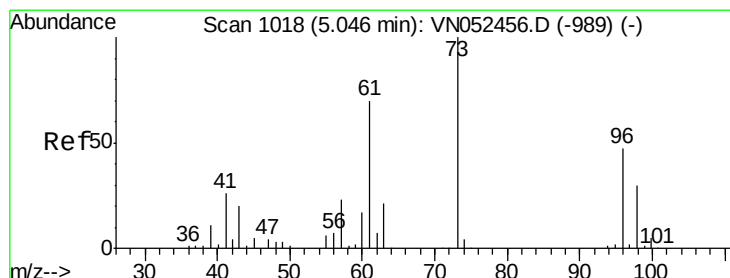
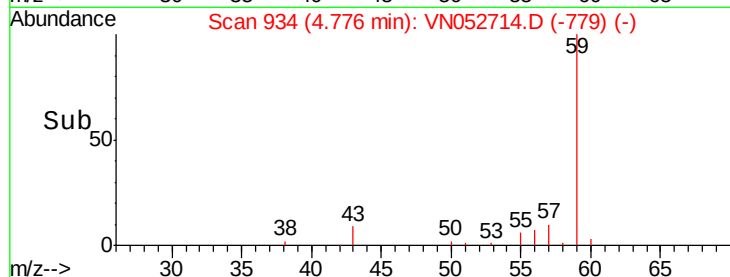
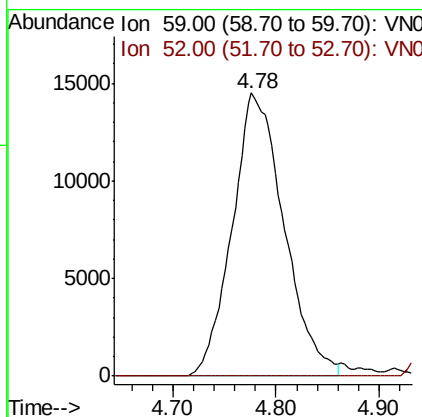
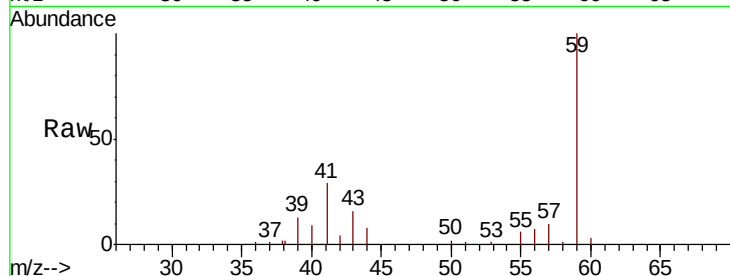
#23
 tert-Butyl Alcohol
 Concen: 107.297 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0		0.0	0.0	0.0

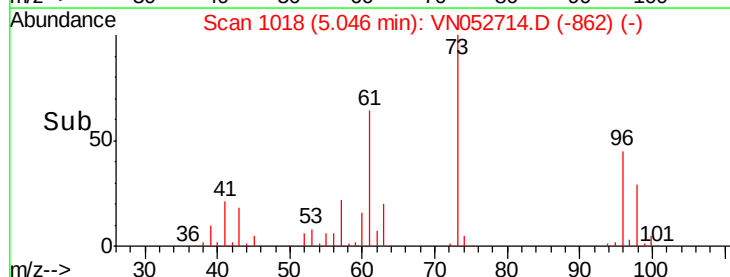
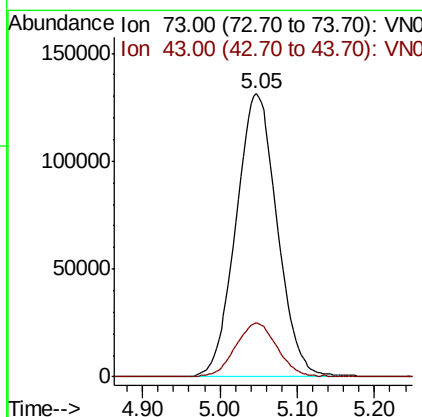
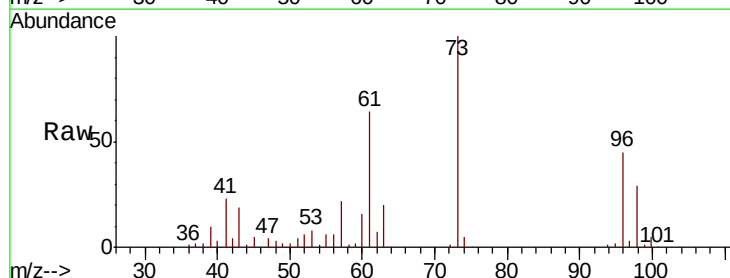
Manual Integrations
 APPROVED

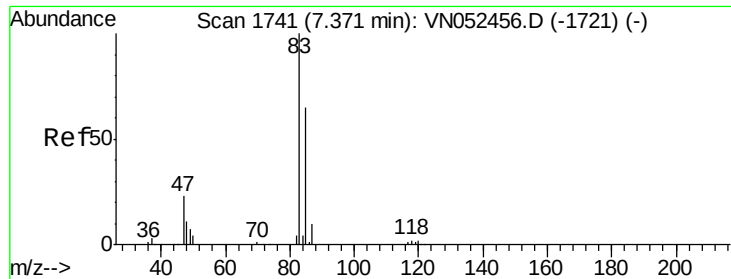
MMDadoda
 12/7/2018 1:13:15 PM



#24
 Methyl tert-Butyl Ether
 Concen: 21.131 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	18.7		15.8	23.8	





#25

Chloroform

Concen: 20.322 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 359247

Ion Ratio Lower Upper

83 100

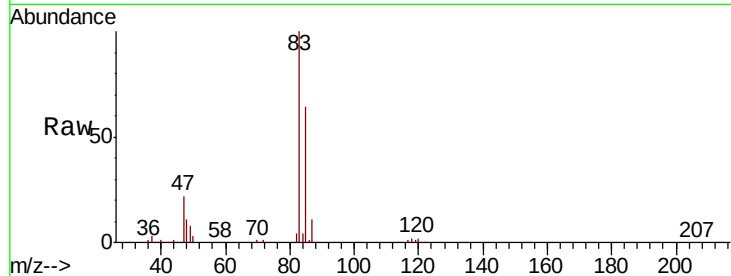
85 64.0 51.7 77.5

Manual Integrations

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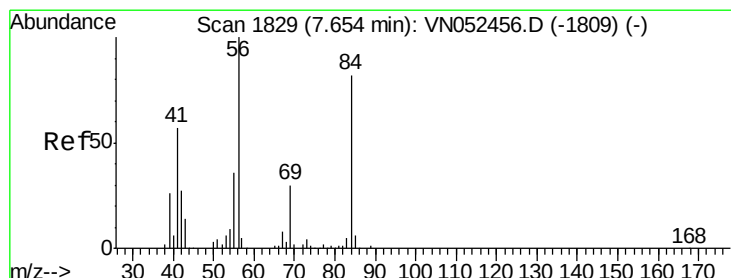
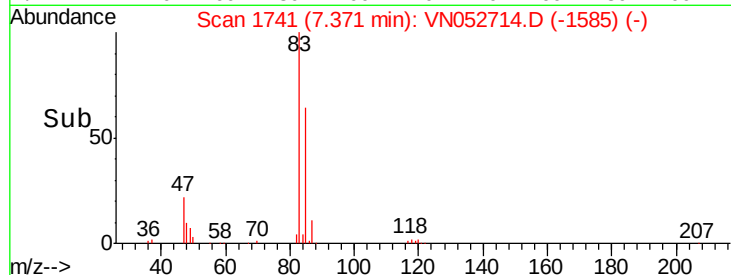
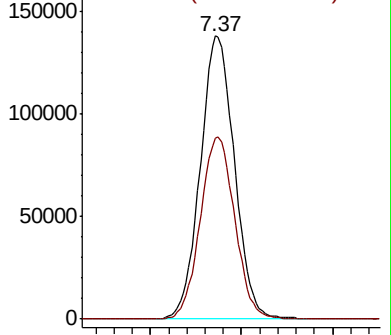
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.960 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

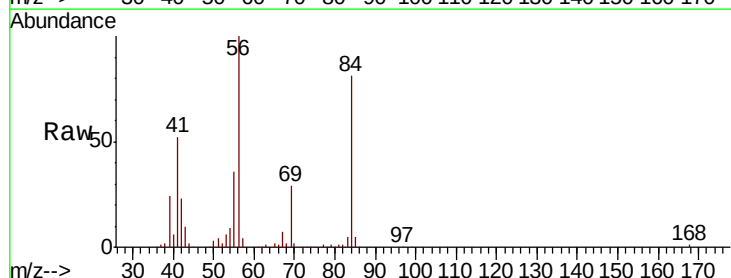
Tgt Ion: 56 Resp: 327677

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

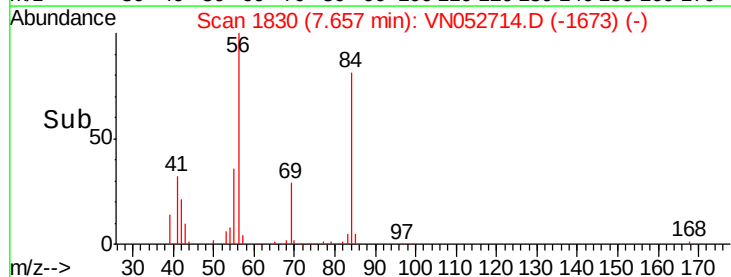
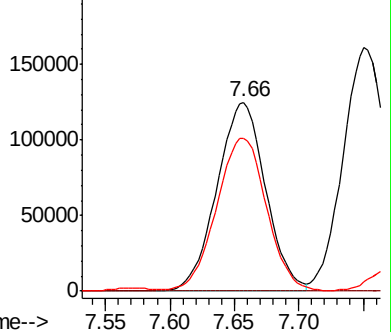
84 82.5 66.2 99.2

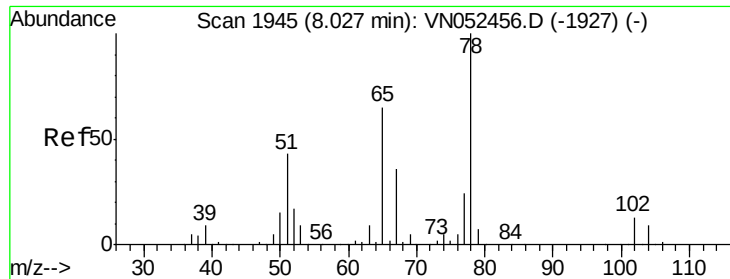


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





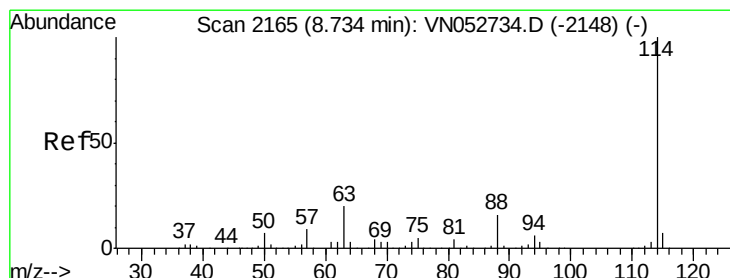
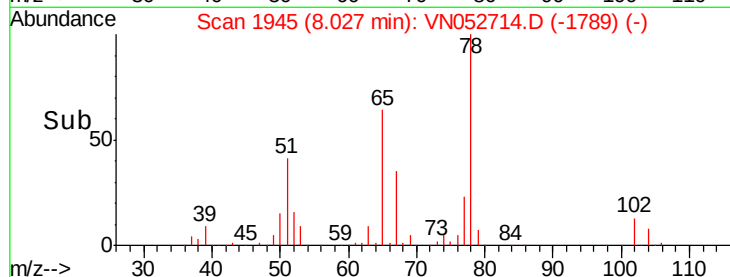
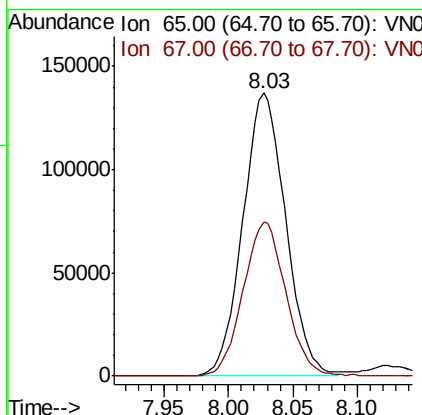
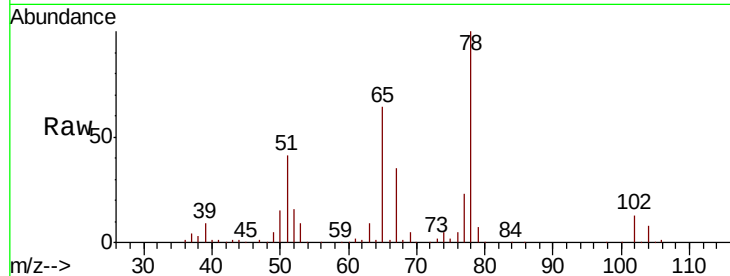
#27
 1,2-Dichloroethane-d4
 Concen: 18.960 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	44.6	66.8

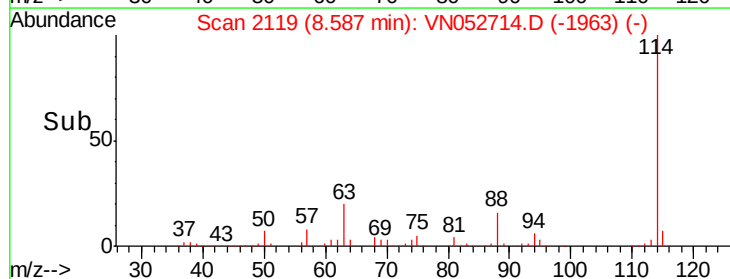
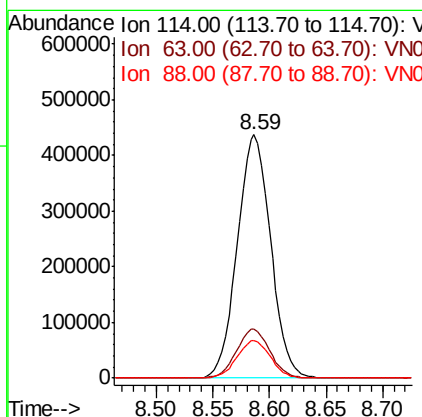
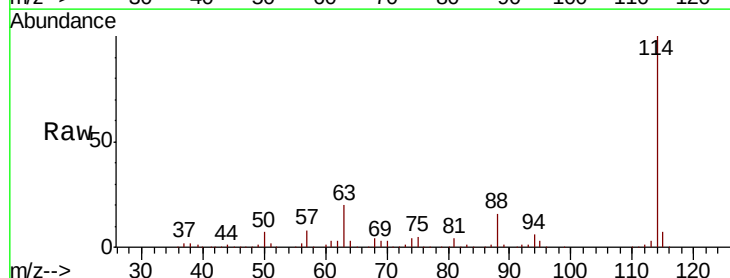
Manual Integrations
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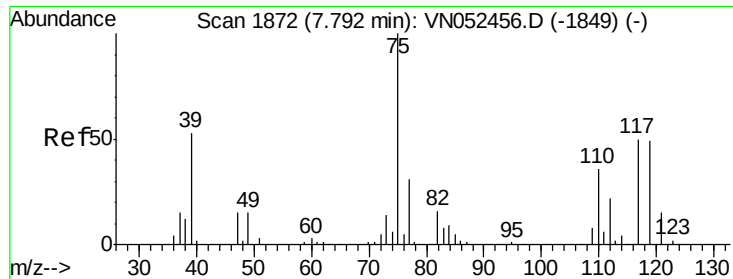
MMDadoda
 12/7/2018 1:13:15 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.9	25.3
88	15.3	12.8	19.2





#29

1,1-Dichloropropene

Concen: 19.873 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 273098

Ion Ratio Lower Upper

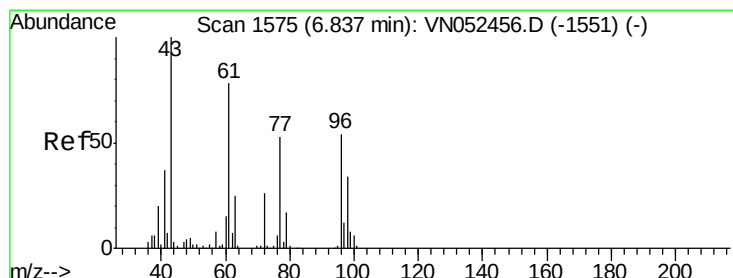
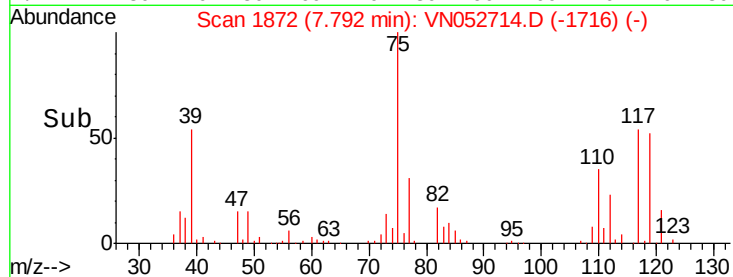
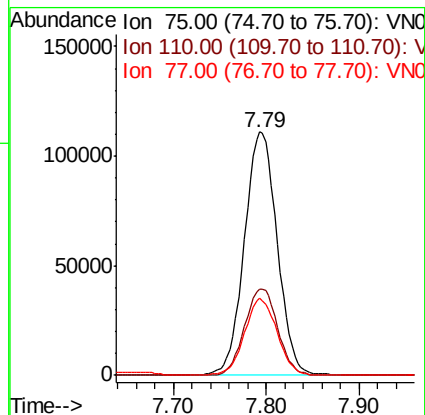
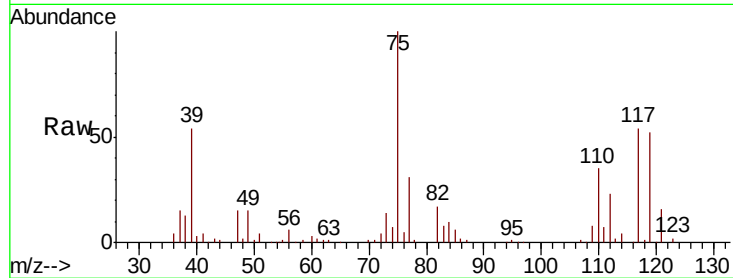
75 100

110 35.6 0.0 70.2

77 31.4 0.0 62.6

Manual Integrations
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MMDadoda
12/7/2018 1:13:15 PM



#30

2-Butanone

Concen: 98.962 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

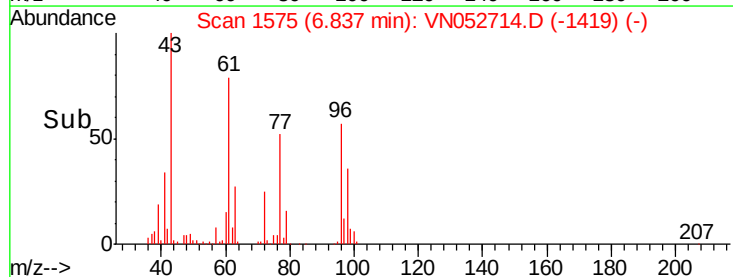
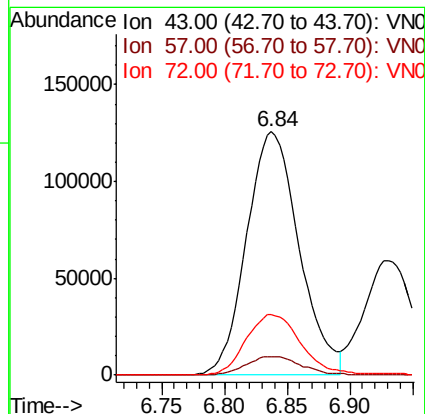
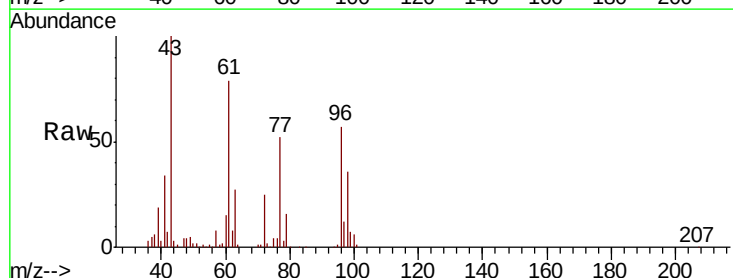
Tgt Ion: 43 Resp: 363895

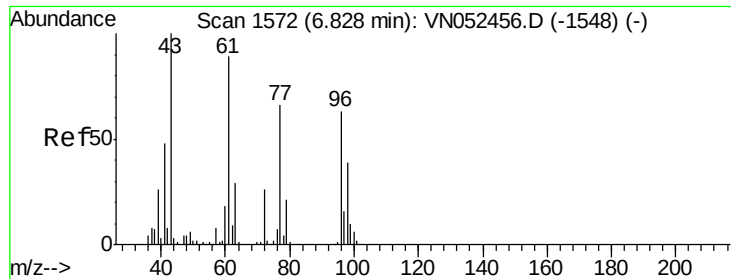
Ion Ratio Lower Upper

43 100

57 8.1 6.2 9.4

72 26.6 21.0 31.6





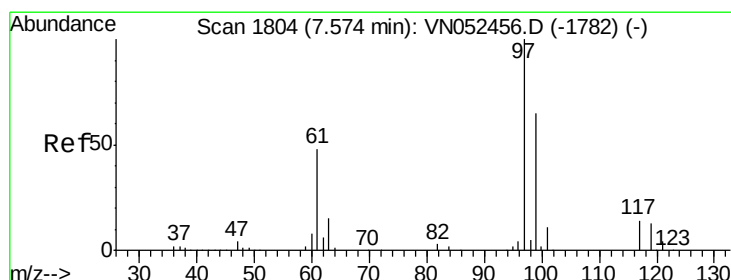
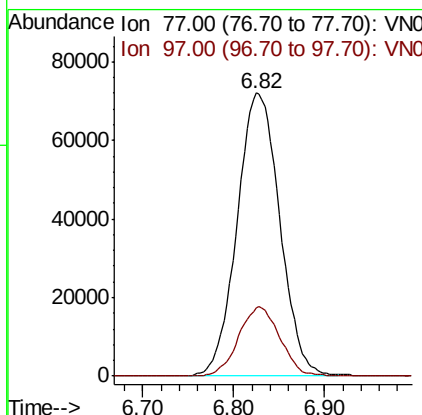
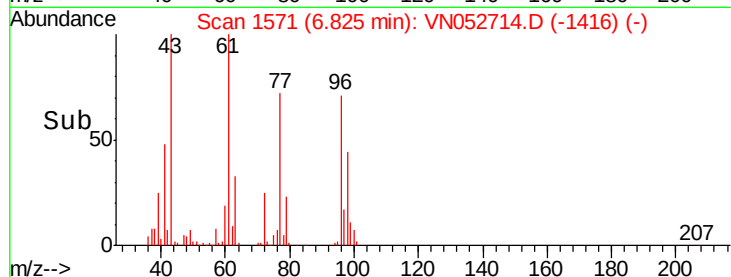
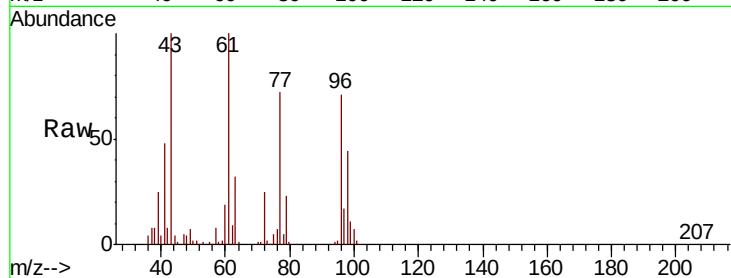
#31
 2,2-Dichloropropane
 Concen: 18.564 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 234854
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1

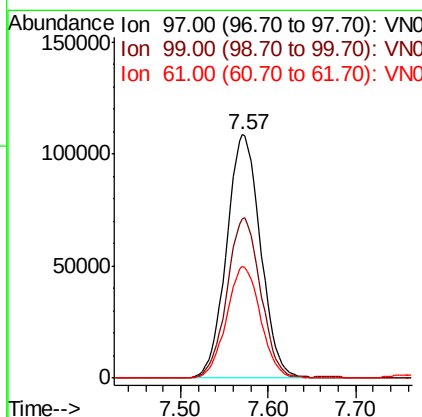
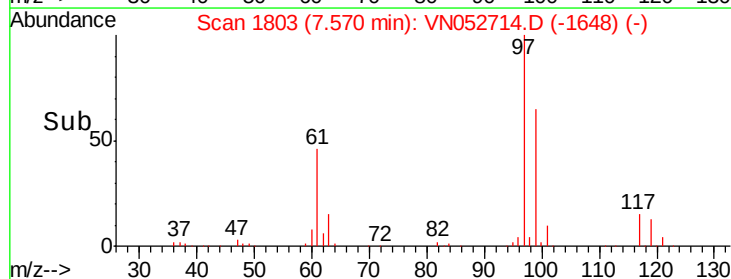
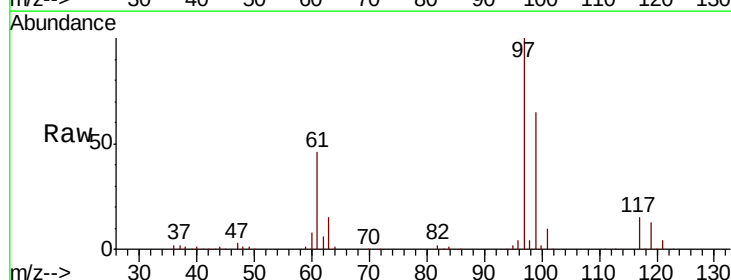
Manual Integrations
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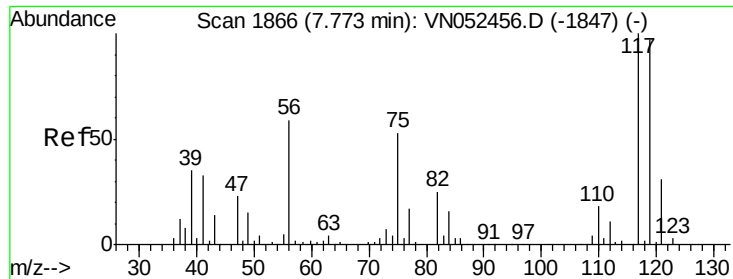
MMDadoda
 12/7/2018 1:13:15 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.463 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion: 97 Resp: 292597
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.9 76.3
 61 45.9 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.453 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

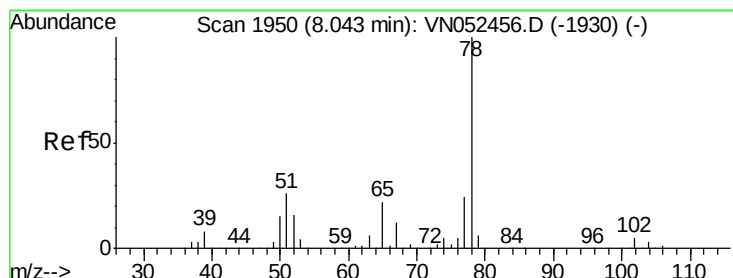
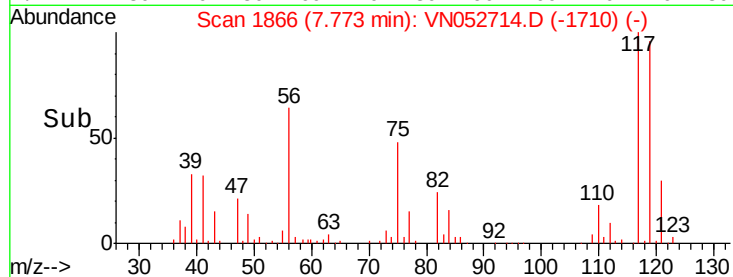
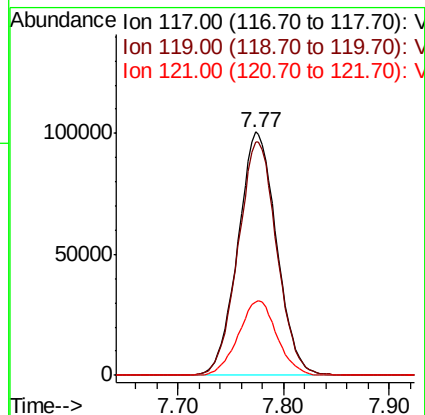
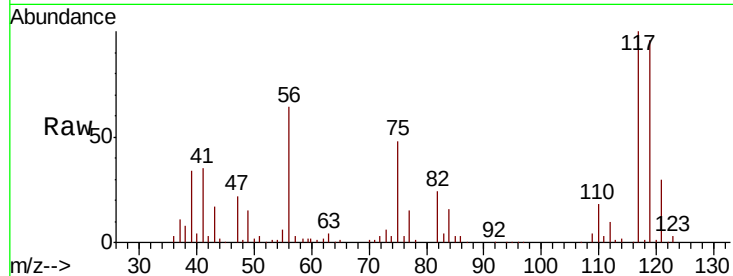
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	255893
Ion Ratio	Lower	Upper	
117	100		
119	95.8	77.3	115.9
121	30.4	24.9	37.3

Manual Integrations
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MMDadoda
12/7/2018 1:13:15 PM



#34

Benzene

Concen: 20.190 ug/l

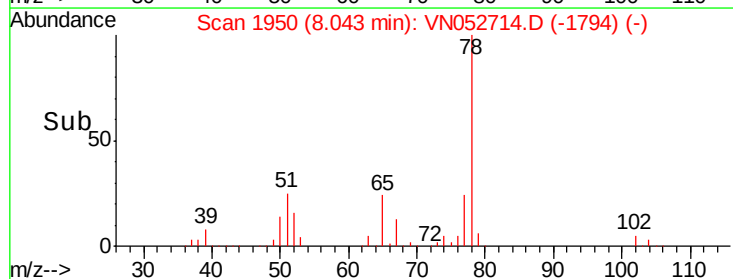
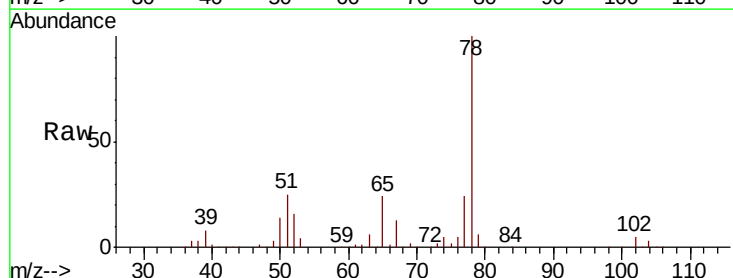
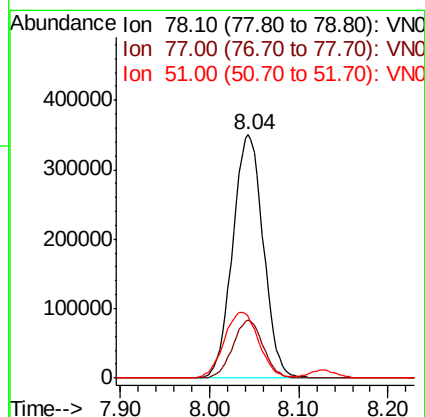
RT: 8.04 min Scan# 1950

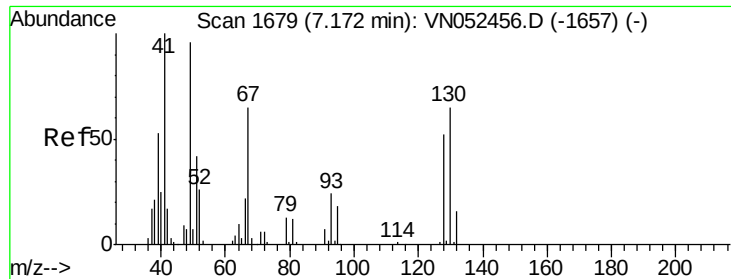
Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	78	Resp:	834173
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.0	28.6
51	25.1	20.5	30.7





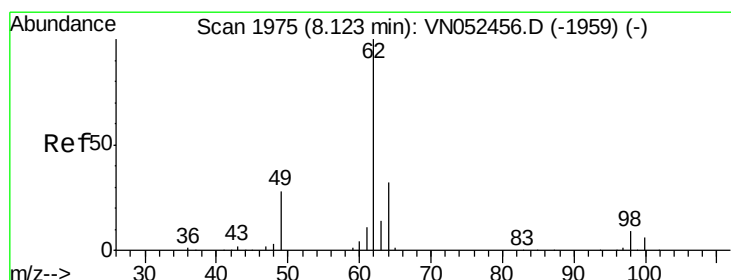
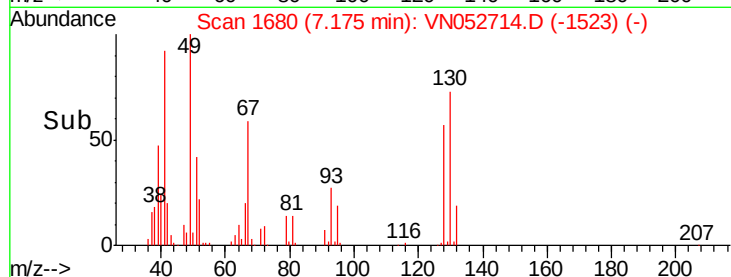
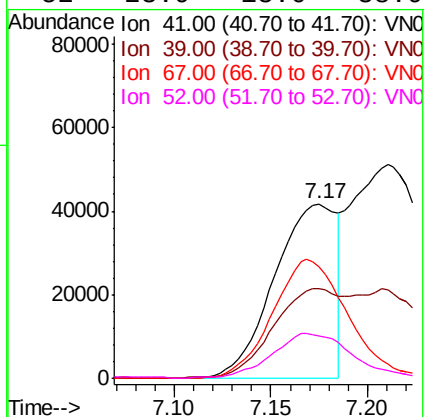
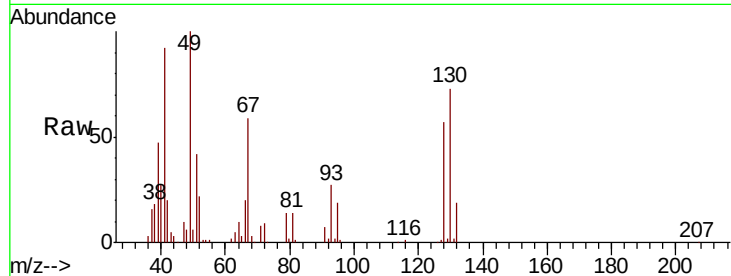
#35
Methacrylonitrile
Concen: 20.498 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.0	26.6	79.7
67	64.2	32.3	96.9
52	23.9	13.0	38.9

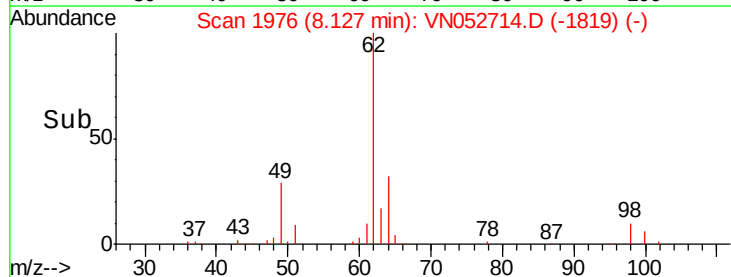
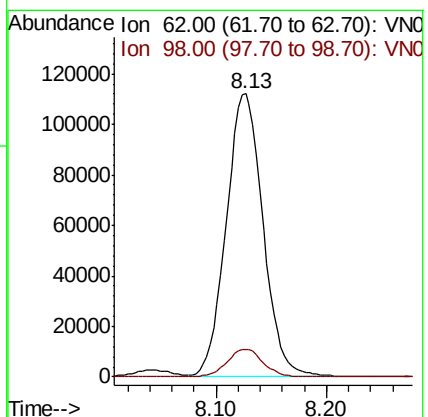
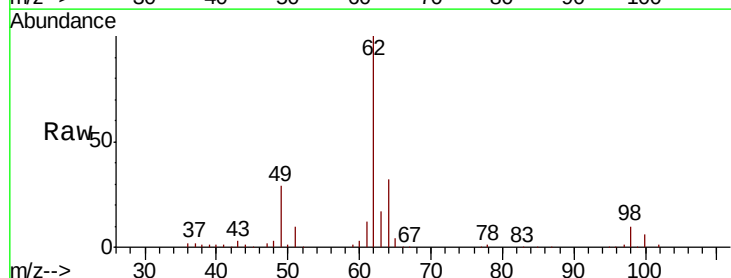
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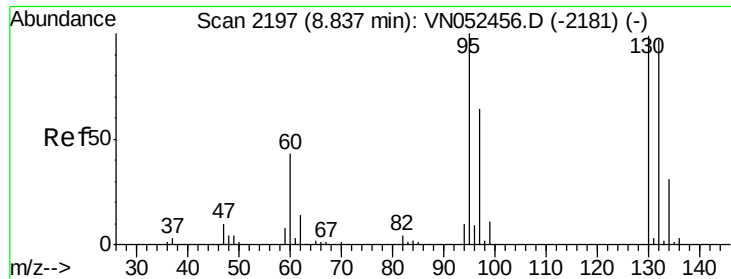
MMDadoda
12/7/2018 1:13:15 PM



#36
1,2-Dichloroethane
Concen: 20.651 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.4	11.2





#37

Trichloroethene

Concen: 20.524 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 215019

Ion Ratio Lower Upper

130 100

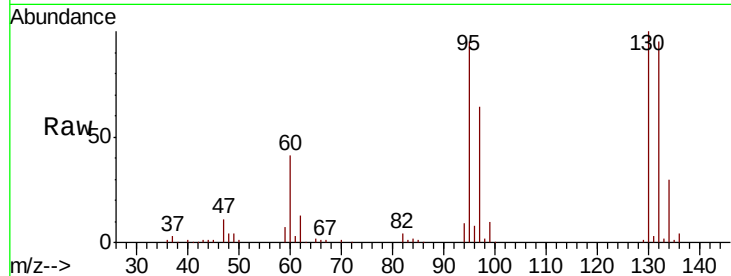
95 95.1 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

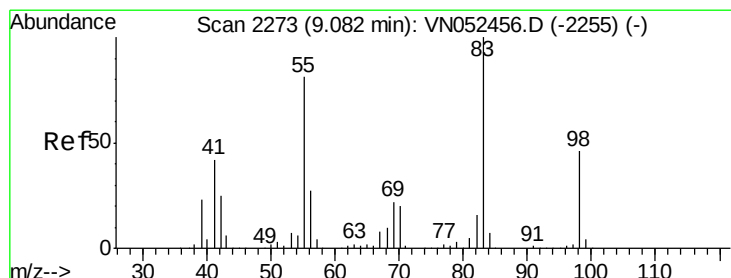
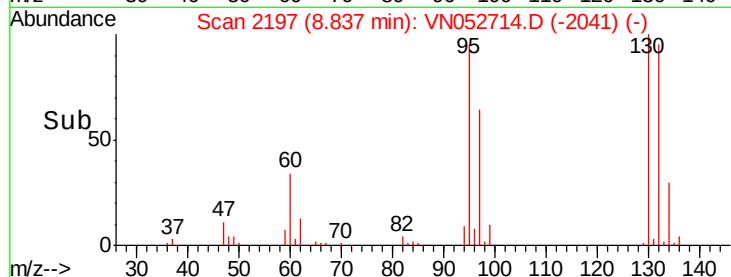
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.849 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

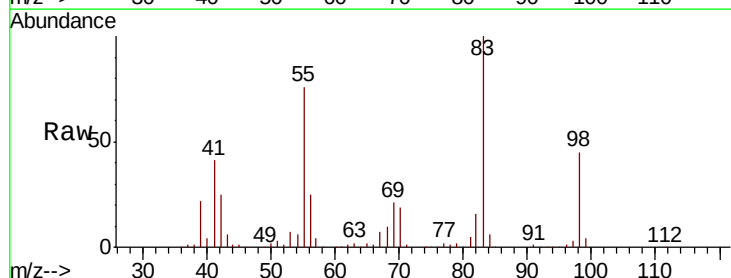
Tgt Ion: 83 Resp: 320646

Ion Ratio Lower Upper

83 100

55 77.2 39.8 119.4

98 45.6 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

200000

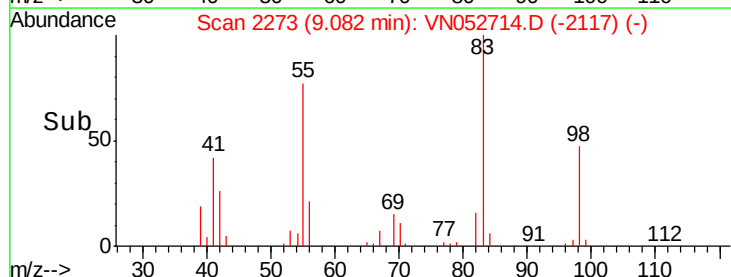
150000

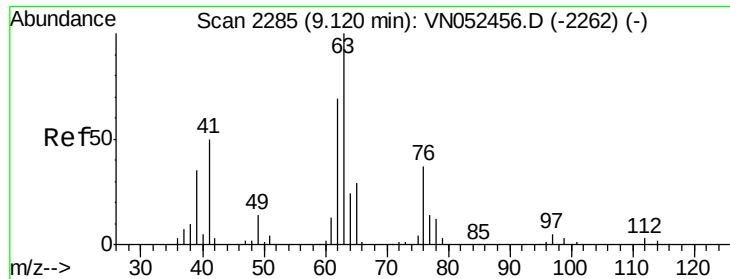
100000

50000

0

Time-->





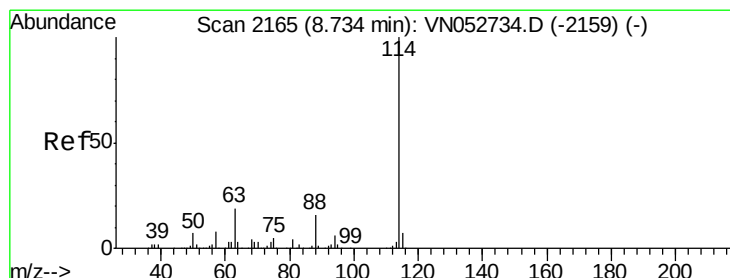
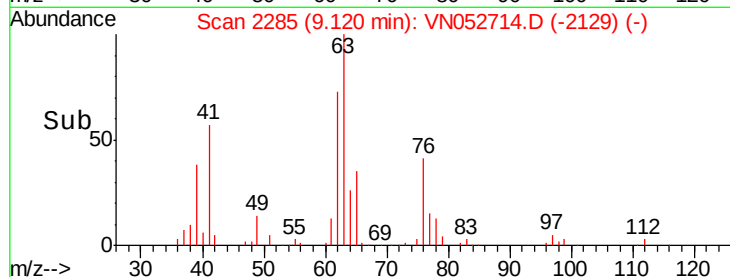
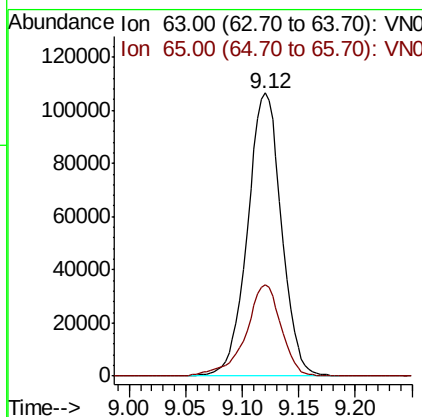
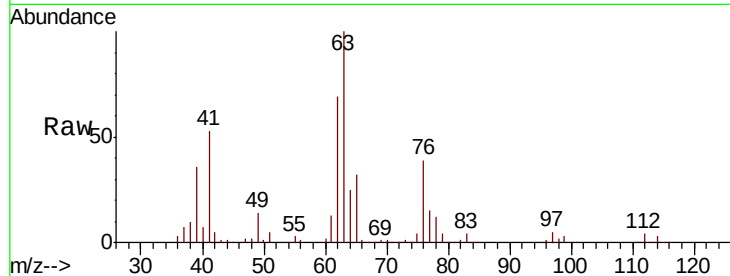
#39
 1,2-Dichloropropane
 Concen: 20.077 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	222353
Ion Ratio	100	Lower	Upper
63	100		
65	32.5	23.6	35.4

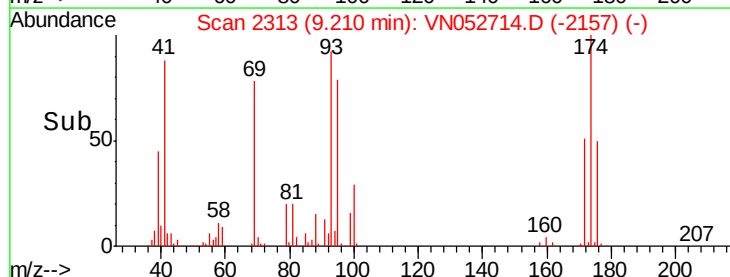
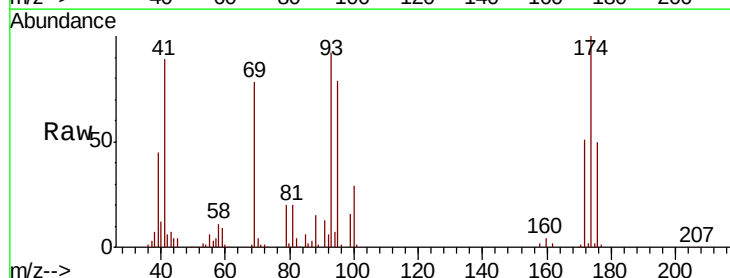
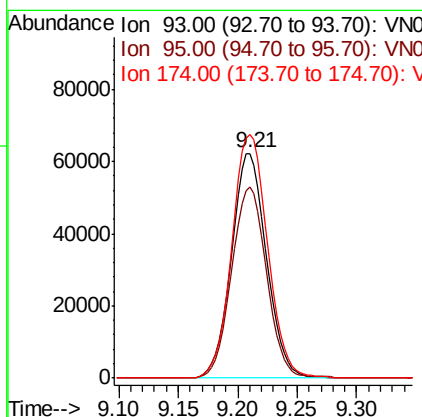
Manual Integrations
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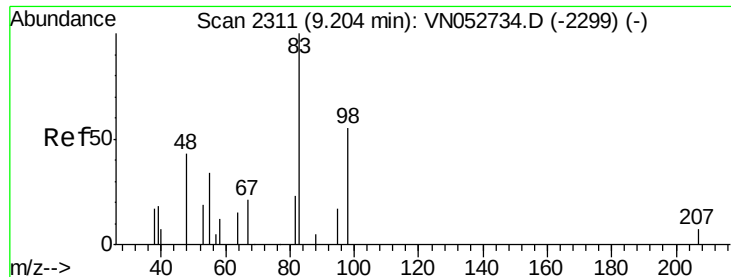
MMDadoda
 12/7/2018 1:13:15 PM



#40
 Dibromomethane
 Concen: 21.228 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	93	Resp	127047
Ion Ratio	100	Lower	Upper
93	100		
95	85.1	0.0	168.4
174	110.6	0.0	210.0





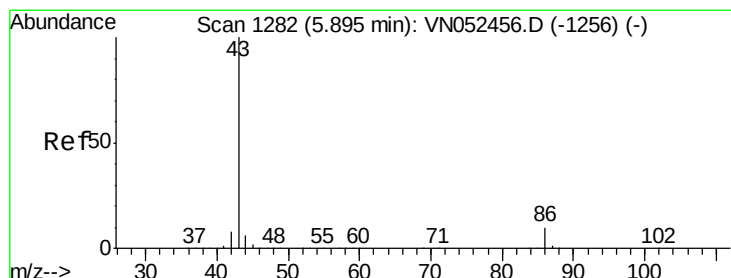
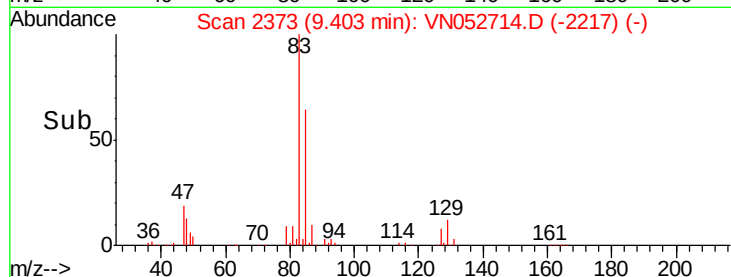
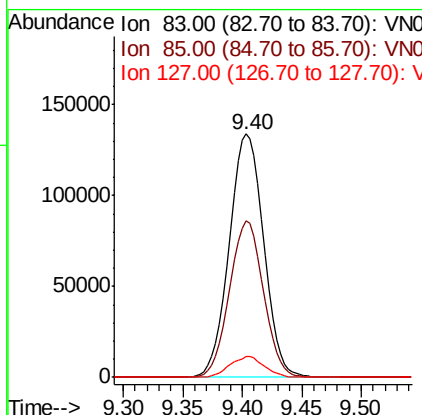
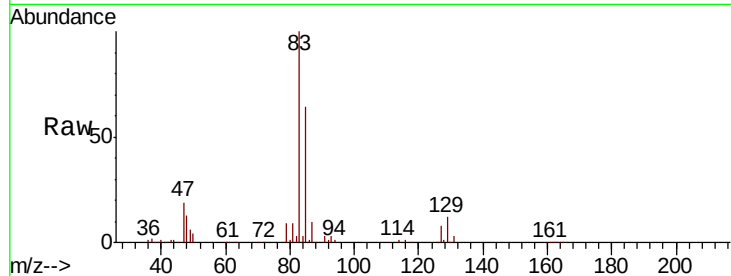
#41
Bromodichloromethane
Concen: 20.329 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	268807
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.4	78.6
127	8.3	6.6	9.8

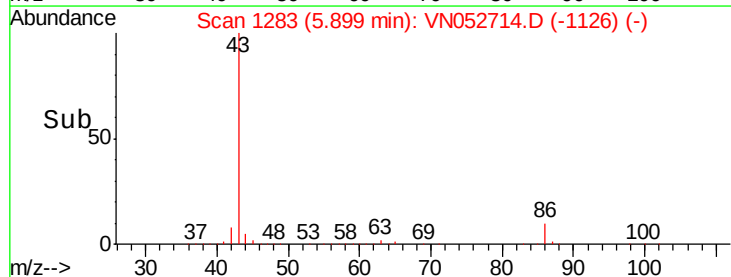
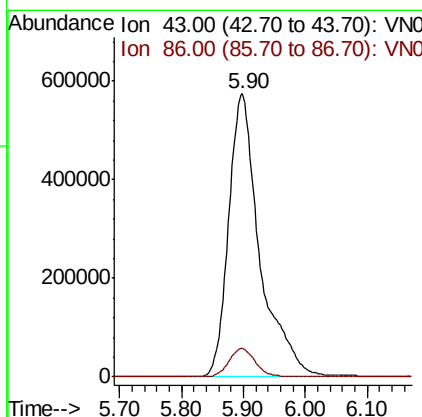
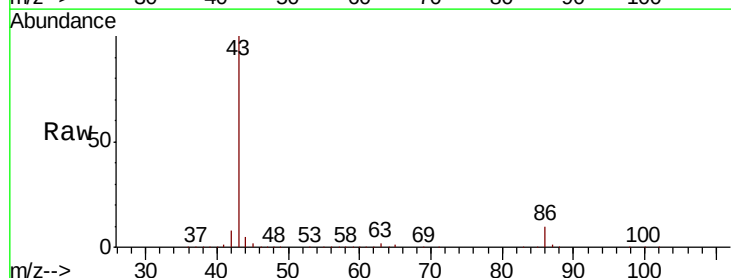
Manual Integrations
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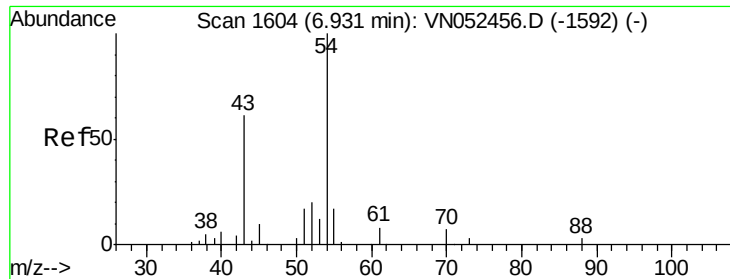
MMDadoda
12/7/2018 1:13:15 PM



#42
Vinyl Acetate
Concen: 100.921 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	43	Resp	2007872
Ion Ratio	100	Lower	Upper
43	100		
86	8.6	6.5	9.7





#43

Ethyl Acetate

Concen: 23.283 ug/l m

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 182047

Ion Ratio Lower Upper

43 100

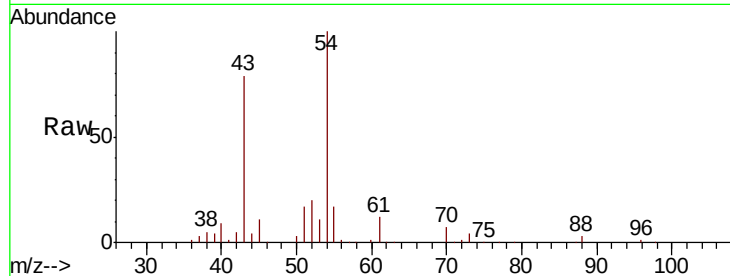
45 2.4 1.0 1.6#

Manual Integrations

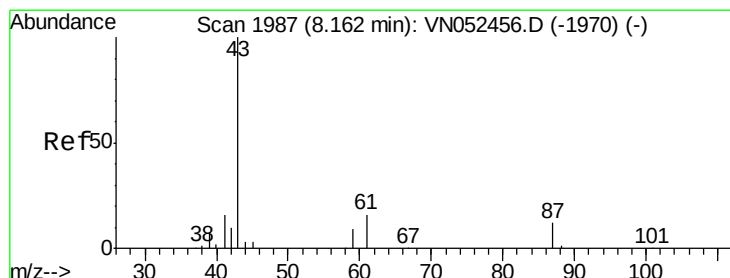
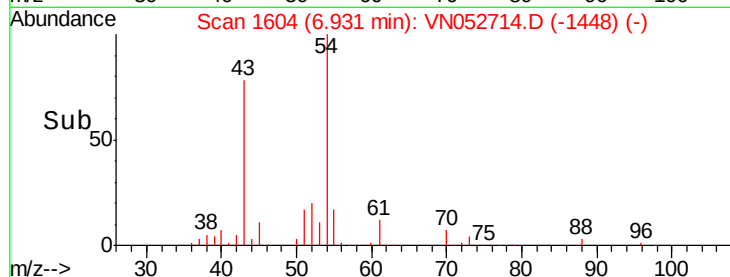
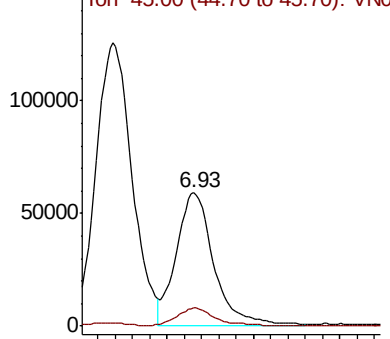
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Abundance Ion 43.00 (42.70 to 43.70): VN052714.D (-1448) (-)



#44

Isopropyl Acetate

Concen: 21.545 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052714.D

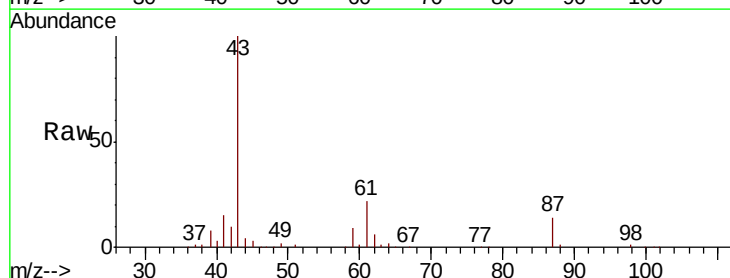
Acq: 6 Dec 2018 23:05

Tgt Ion: 43 Resp: 295441

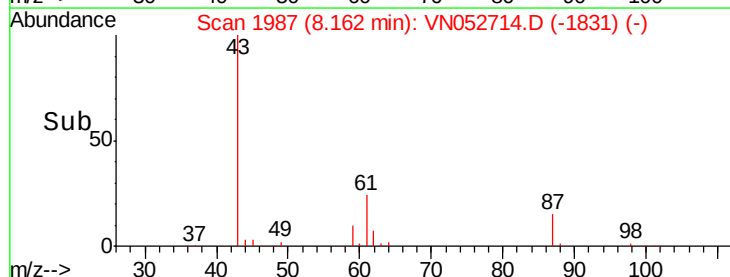
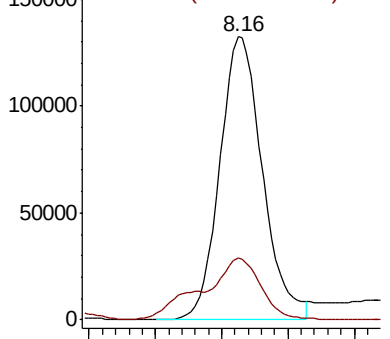
Ion Ratio Lower Upper

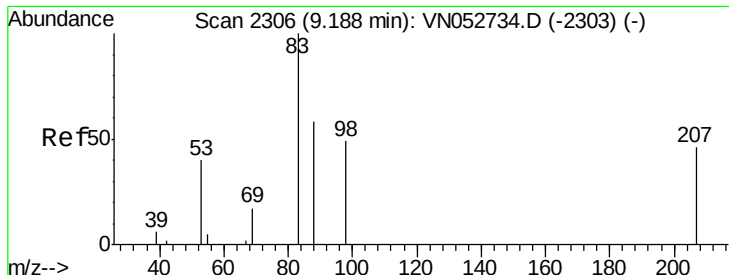
43 100

61 21.1 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN052714.D (-1831) (-)





#45

1,4-Dioxane

Concen: 408.031 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

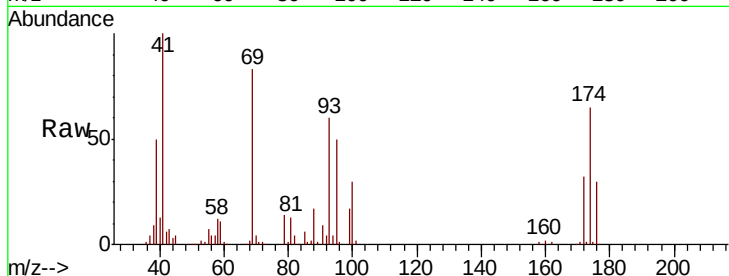
ClientSampleId :

VSTDCCC020EC

Tot Ion:	88	Resp:	30610
Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.5	44.3
58	72.6	61.5	92.3

Manual Integrations
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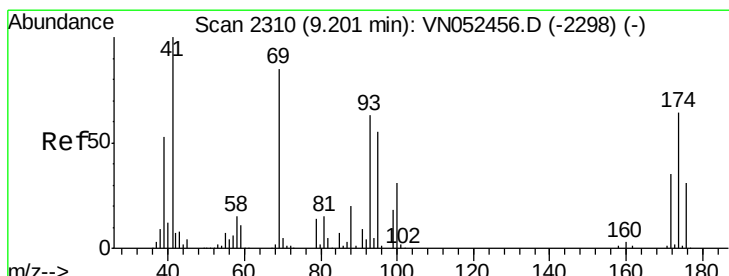
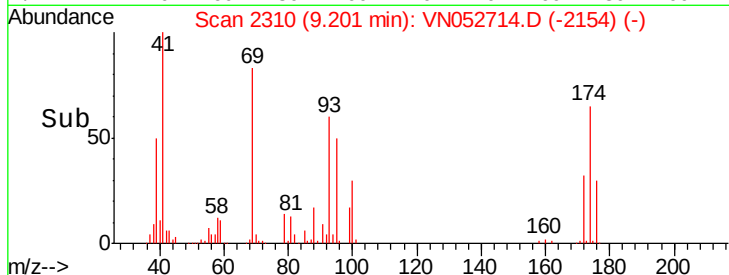
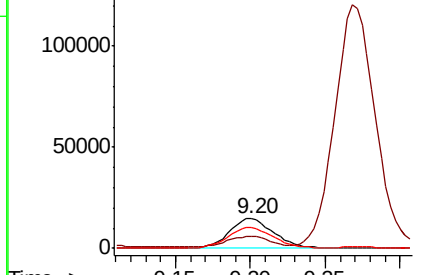
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Abundance Ion 88.00 (87.70 to 88.70): VN052714.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN052714.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN052714.D (-2154) (-)



#46

Methyl methacrylate

Concen: 21.211 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052714.D

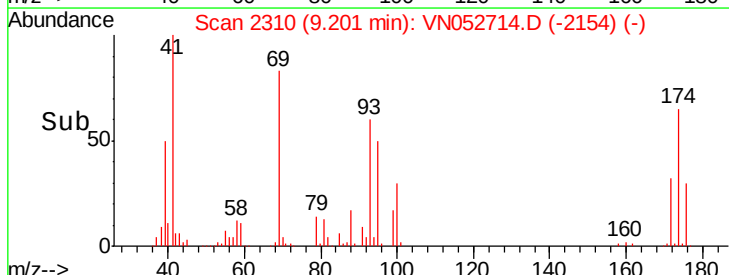
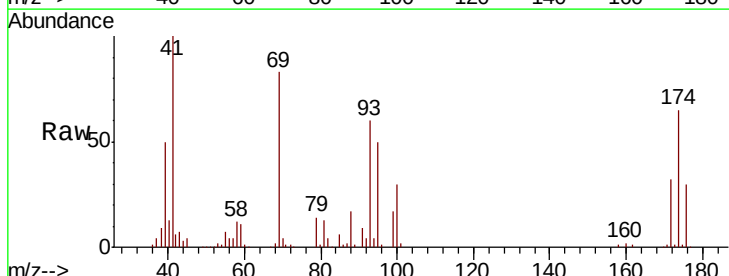
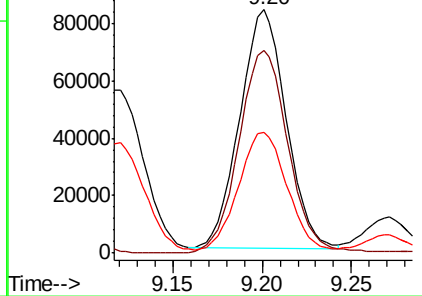
Acq: 6 Dec 2018 23:05

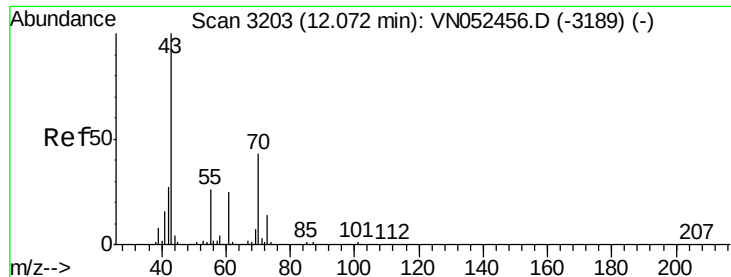
Tgt Ion:	41	Resp:	151021
Ion	Ratio	Lower	Upper
41	100		
69	84.8	42.5	127.6
39	49.4	26.3	78.9

Abundance Ion 41.00 (40.70 to 41.70): VN052714.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN052714.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN052714.D (-2154) (-)





#47

n-amvl Acetate

Concen: 20.354 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 231418

Ion Ratio Lower Upper

43 100

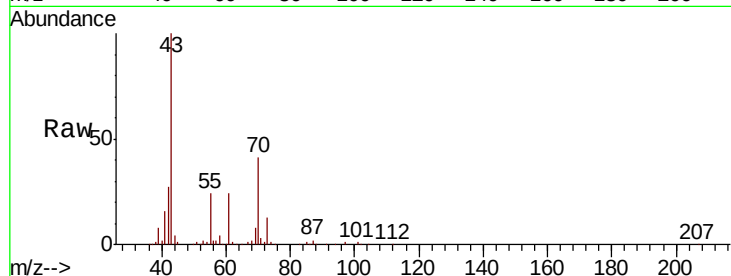
55 25.7 21.1 31.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

150000

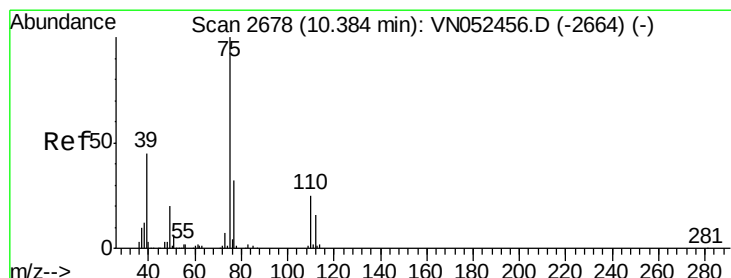
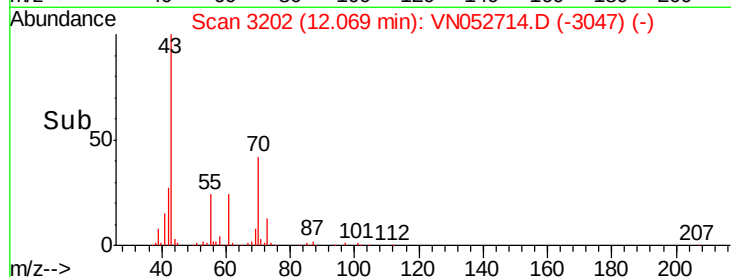
100000

50000

0

12.07

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.871 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052714.D

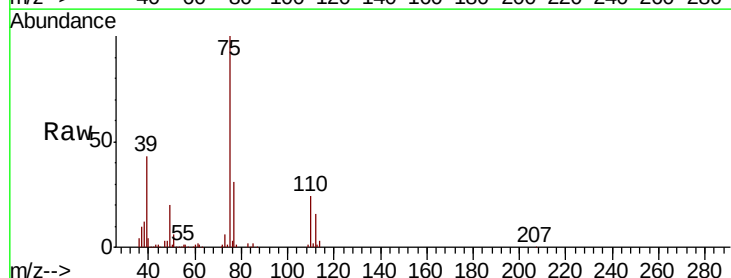
Acq: 6 Dec 2018 23:05

Tgt Ion: 75 Resp: 254764

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

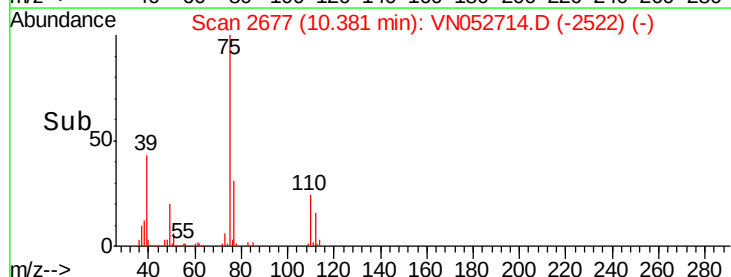
100000

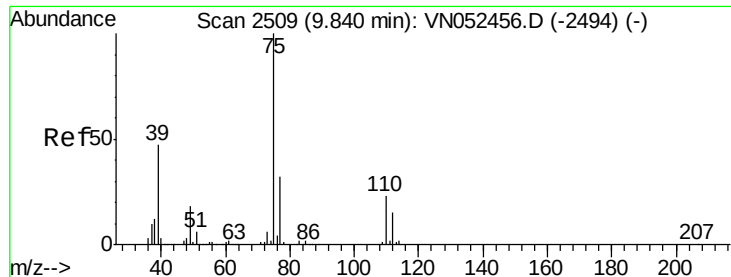
50000

0

10.38

Time-->





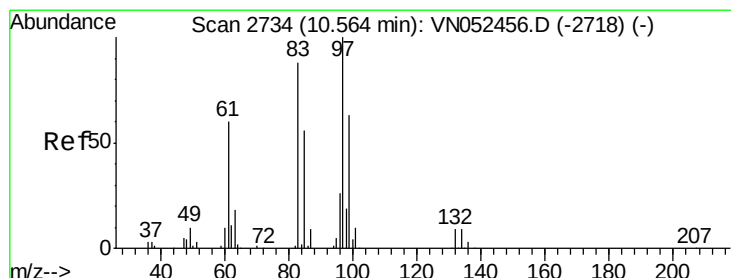
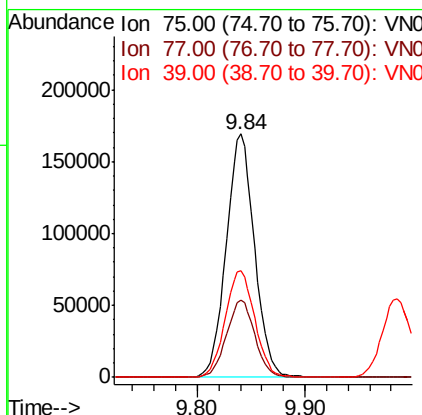
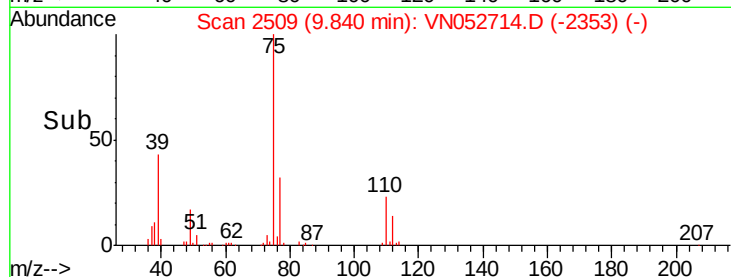
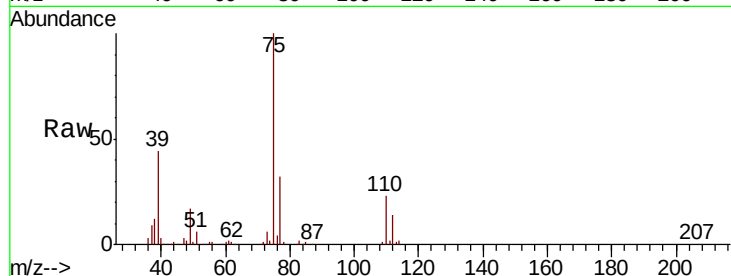
#49
 cis-1,3-Dichloropropene
 Concen: 19.795 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.5	37.3	55.9

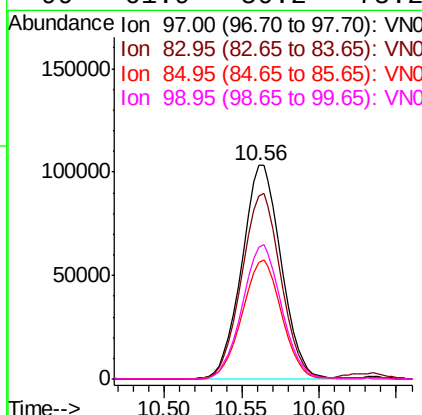
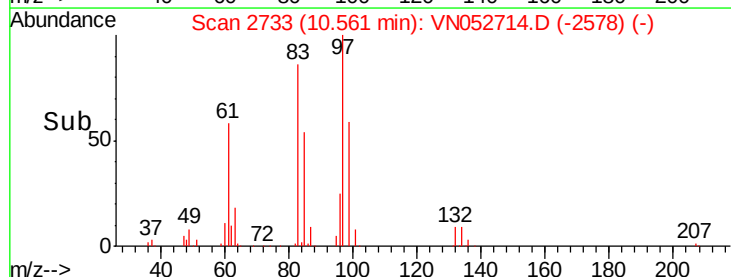
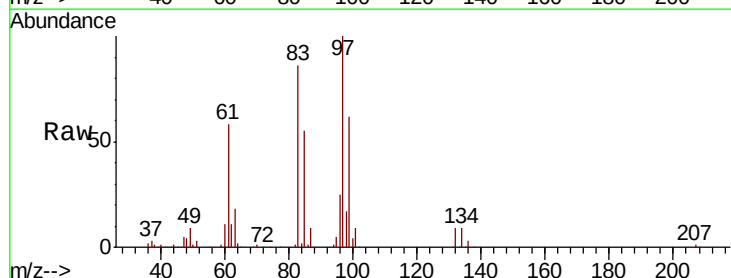
Manual Integrations
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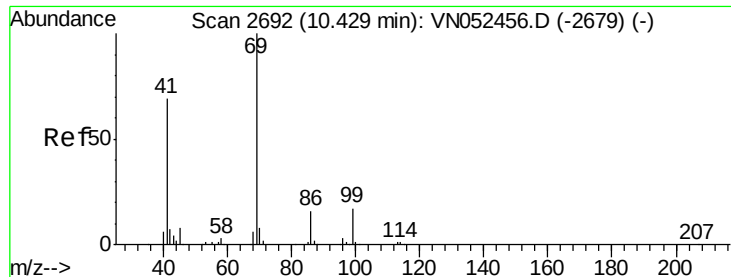
MMDadoda
 12/7/2018 1:13:15 PM



#50
 1,1,2-Trichloroethane
 Concen: 21.666 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.4	105.6
85	54.6	45.0	67.6
99	61.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.331 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

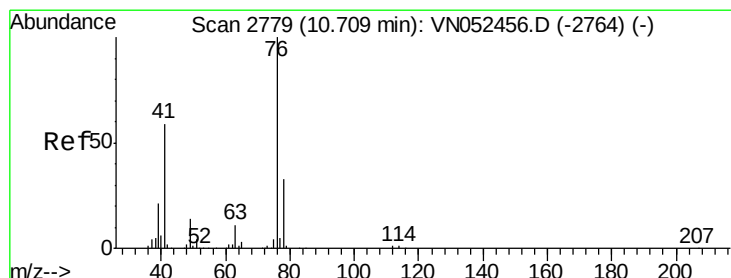
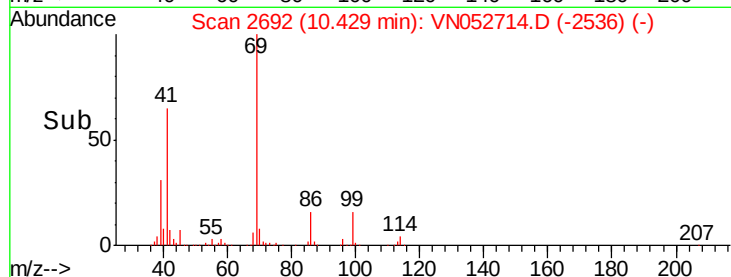
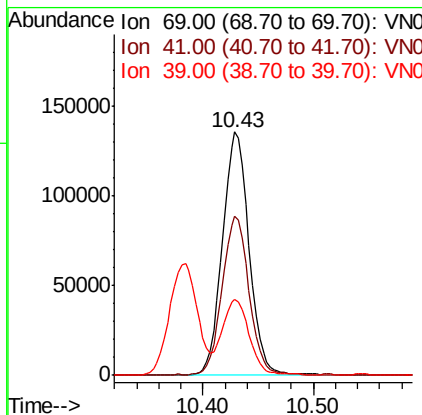
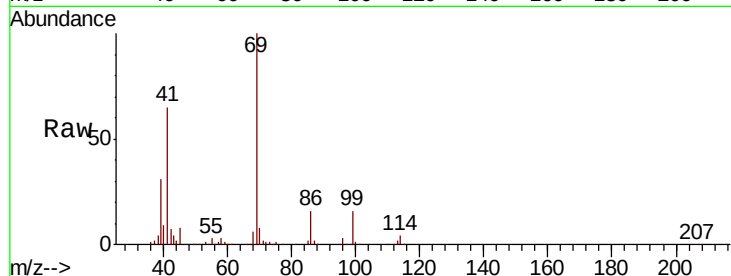
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	227279
Ion	Ratio	Lower	Upper
69	100		
41	65.0	34.4	103.3
39	31.0	16.4	49.2

Manual Integrations
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12/7/2018 1:13:15 PM



#52

1,3-Dichloropropane

Concen: 20.896 ug/l

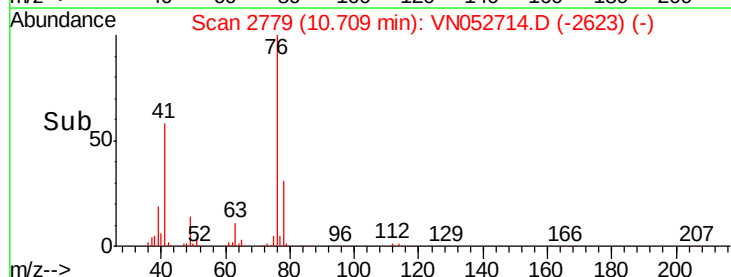
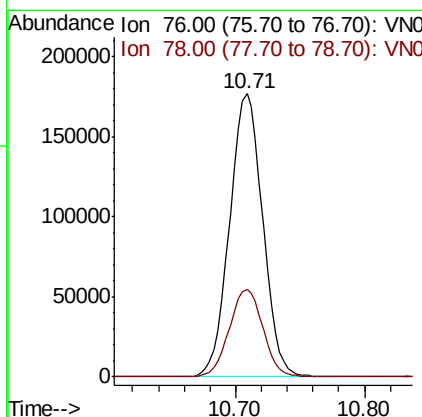
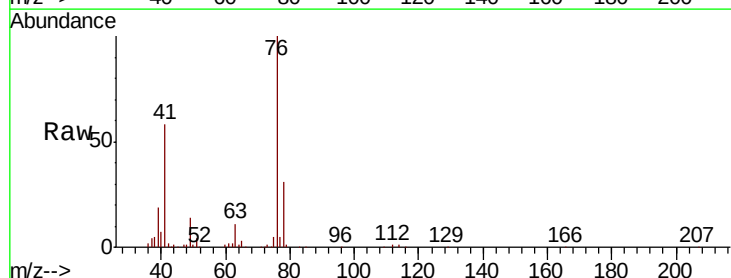
RT: 10.71 min Scan# 2779

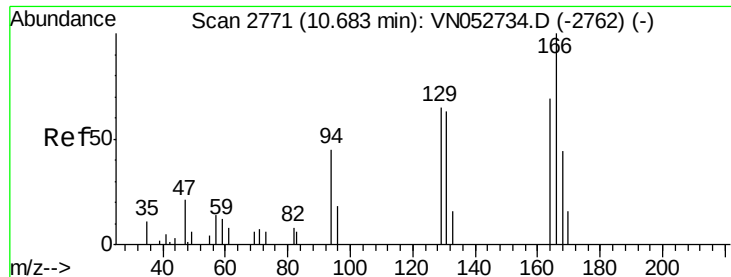
Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	76	Resp:	315532
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	64.8





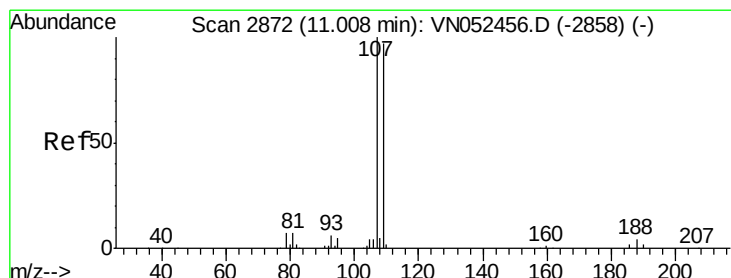
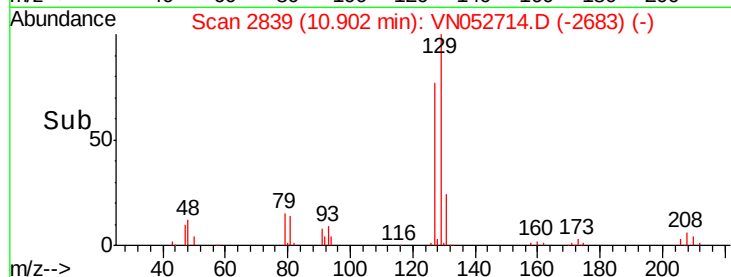
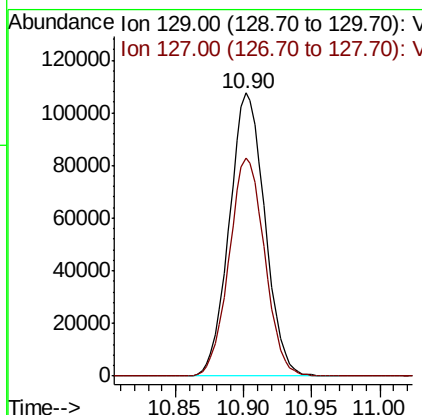
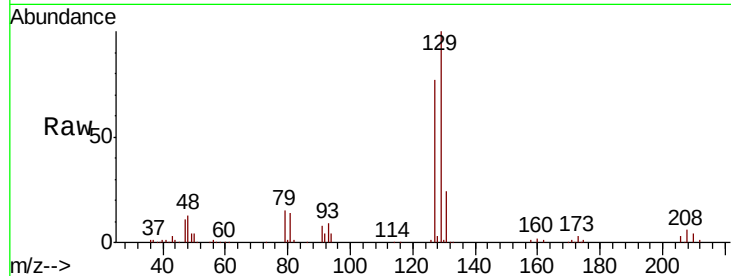
#53
Dibromochloromethane
Concen: 20.864 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 194868
Ion Ratio Lower Upper
129 100
127 76.9 37.6 112.8

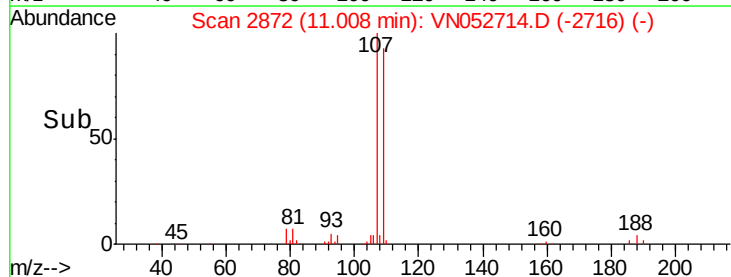
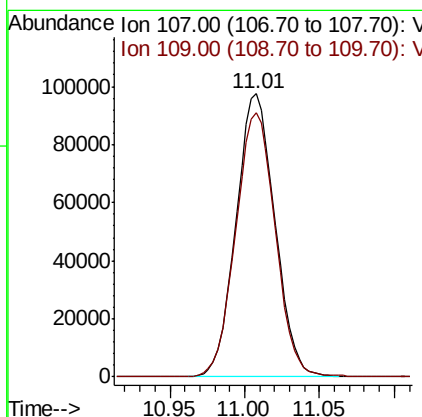
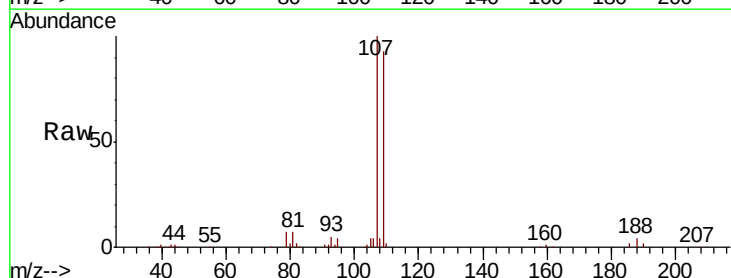
Manual Integrations
APPROVED

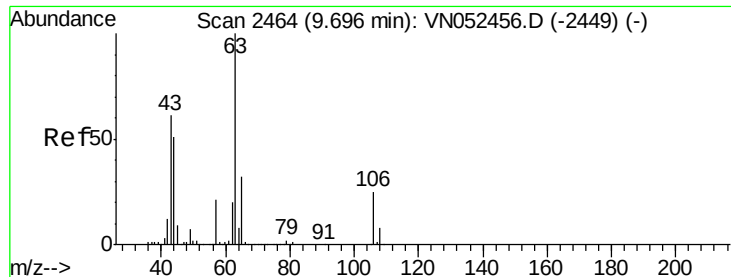
MMDadoda
12/7/2018 1:13:15 PM



#54
1,2-Dibromoethane
Concen: 21.302 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion:107 Resp: 176591
Ion Ratio Lower Upper
107 100
109 95.1 77.1 115.7





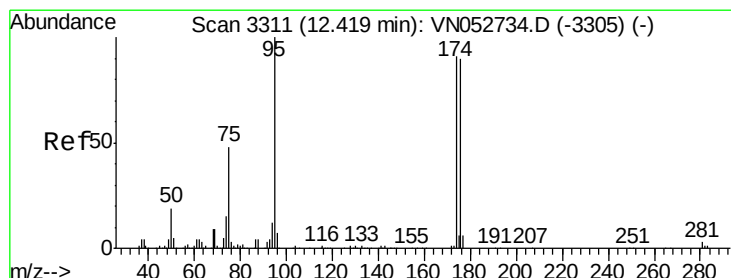
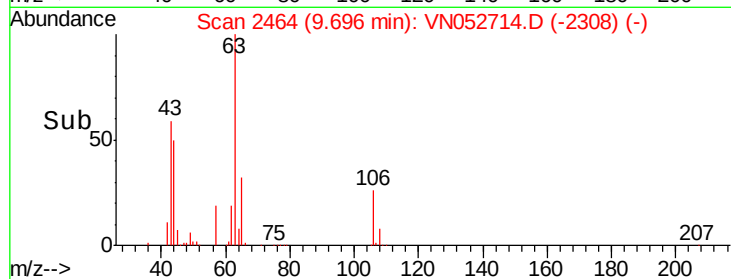
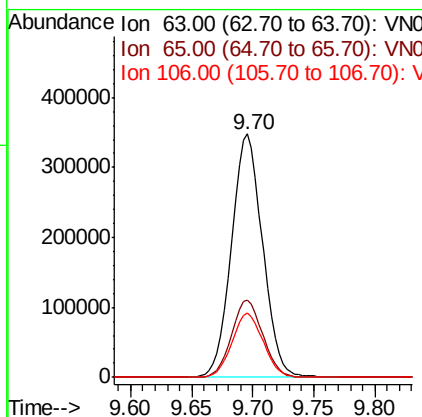
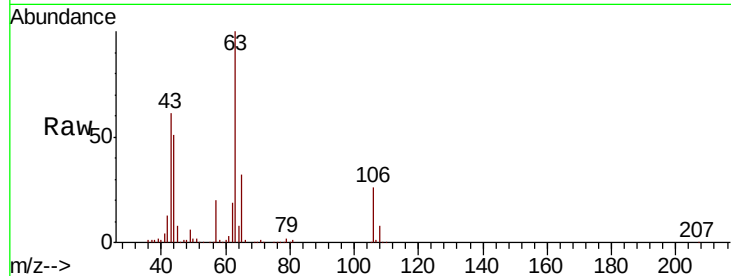
#55
2-Chloroethyl vinyl ether
Concen: 98.875 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	26.5	20.4	30.6

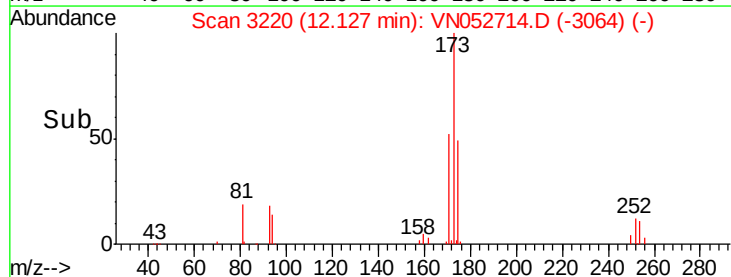
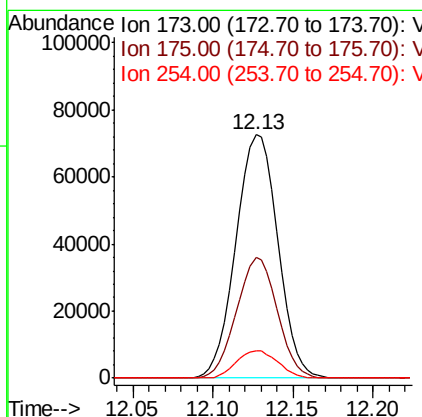
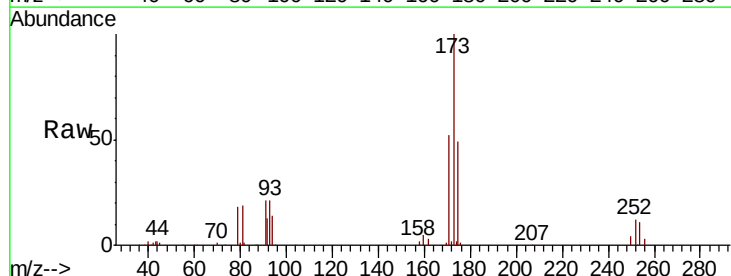
Manual Integrations
APPROVED

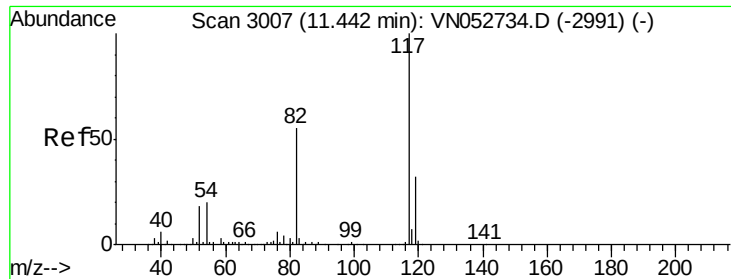
MMDadoda
12/7/2018 1:13:15 PM



#56
Bromoform
Concen: 21.276 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.7	58.1
254	11.1	8.4	12.6





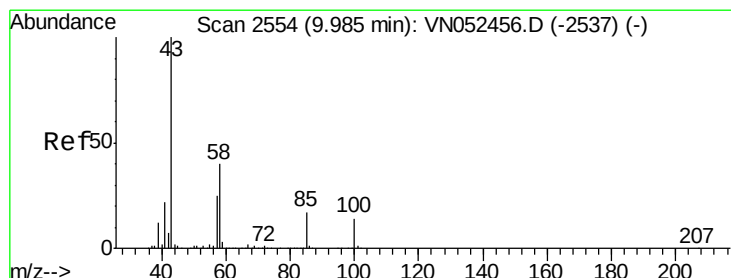
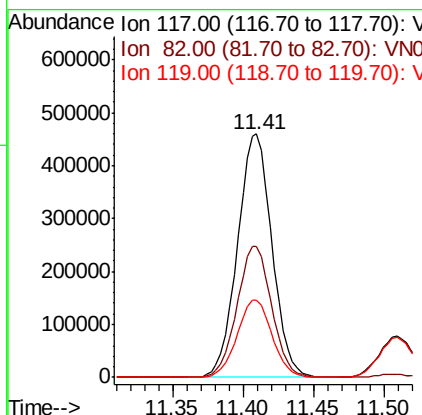
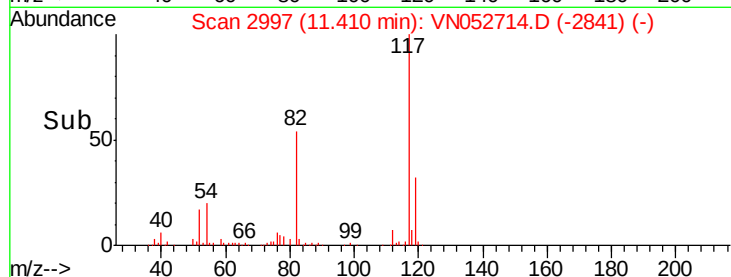
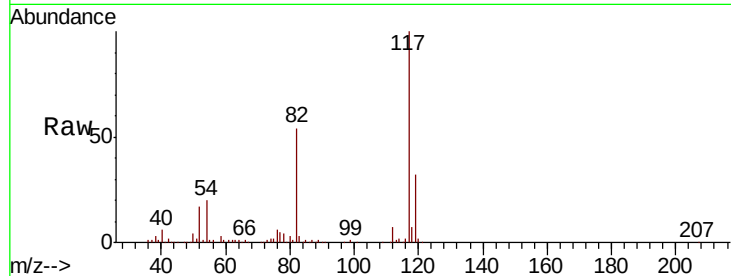
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	32.3	25.4	38.2

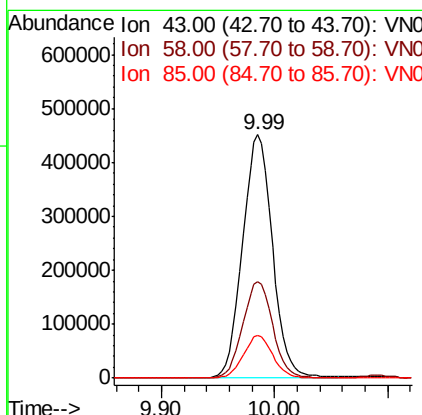
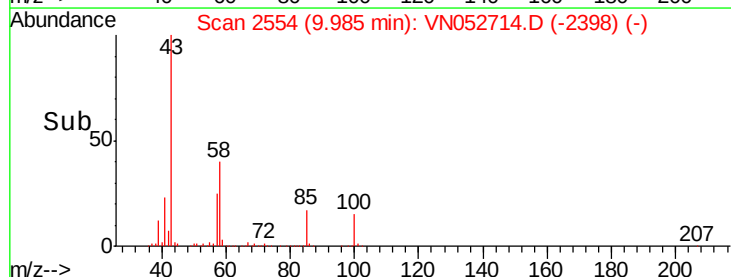
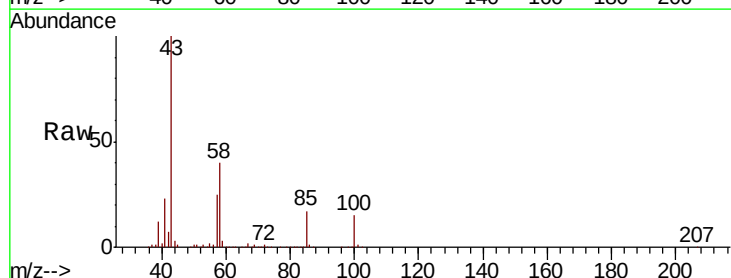
Manual Integrations
APPROVED

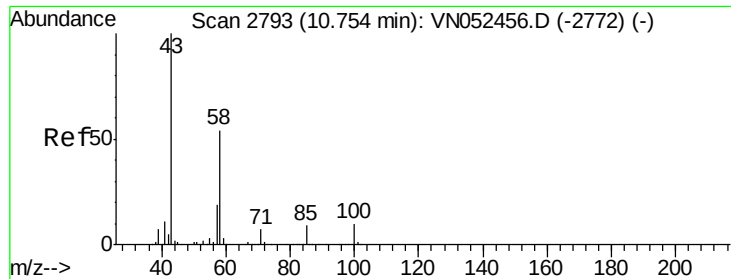
MMDadoda
12/7/2018 1:13:15 PM



#58
4-Methyl-2-Pentanone
Concen: 108.842 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4
85	17.3	13.3	19.9





#59

2-Hexanone

Concen: 102.994 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

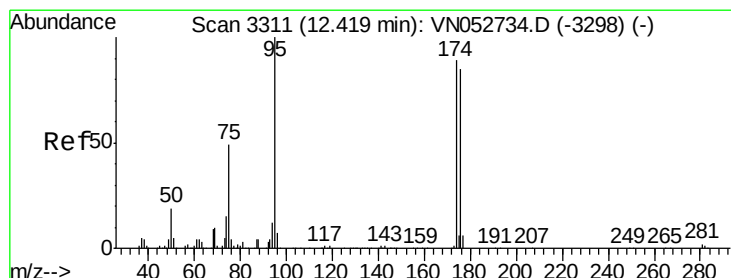
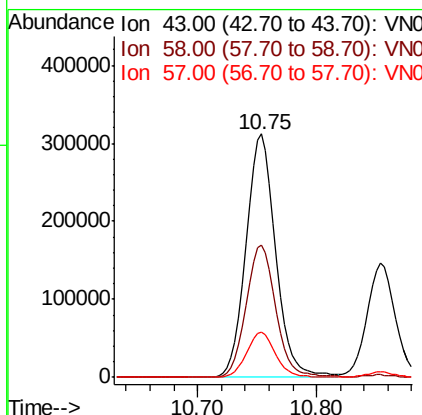
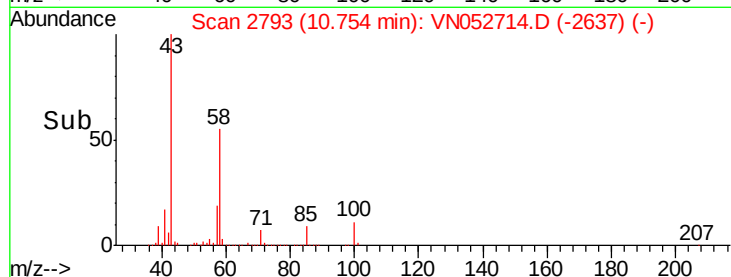
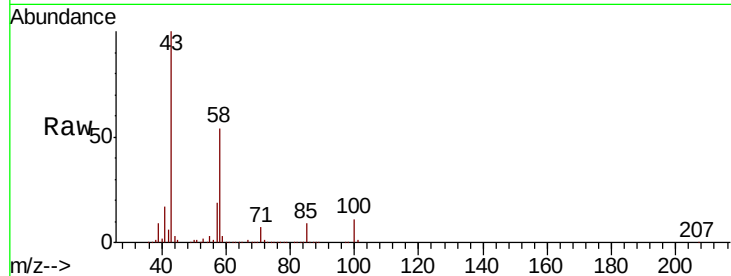
ClientSampleId :

VSTDCCC020EC

Tot Ion:	43	Resp:	536174
Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	18.3	14.9	22.3

Manual Integrations
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#60

4-Bromofluorobenzene

Concen: 102.994 ug/l

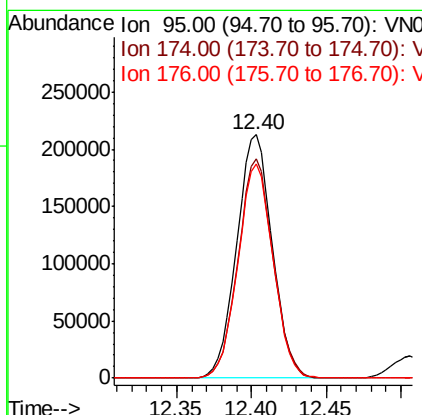
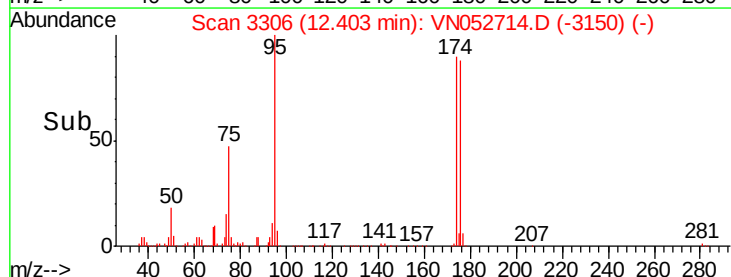
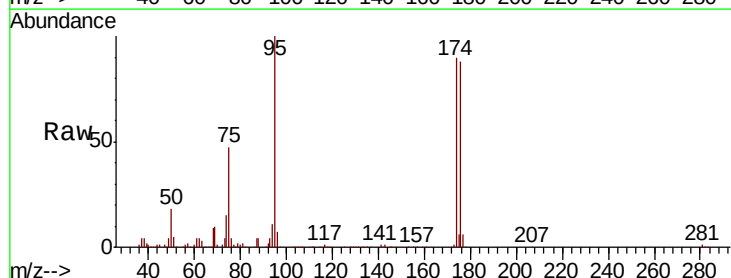
RT: 12.40 min Scan# 3306

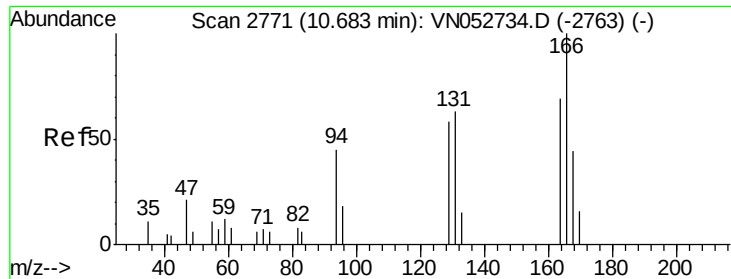
Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	95	Resp:	351682
Ion	Ratio	Lower	Upper
95	100		
174	88.8	67.9	101.9
176	87.0	66.4	99.6





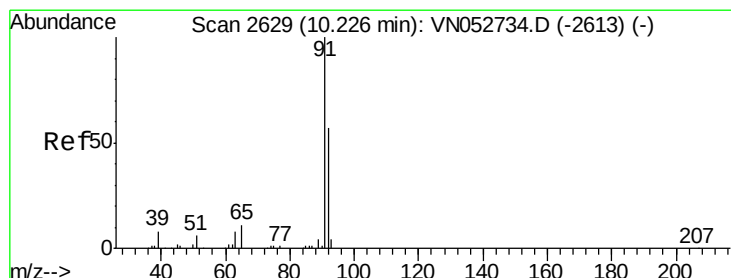
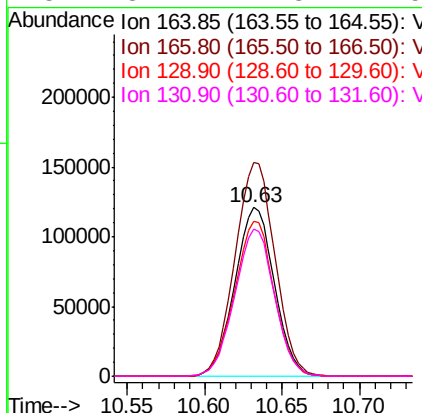
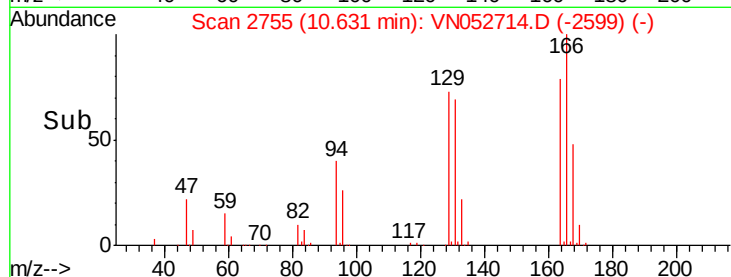
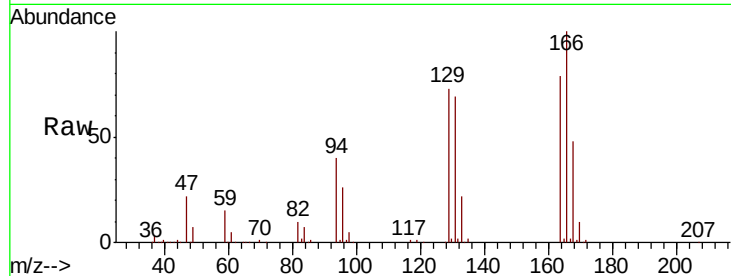
#61
Tetrachloroethene
Concen: 22.171 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.6	157.0
129	92.1	75.3	112.9
131	87.2	74.3	111.5

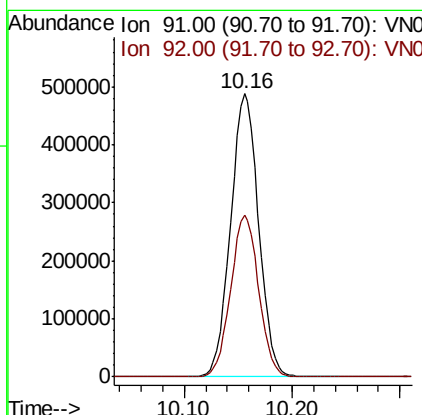
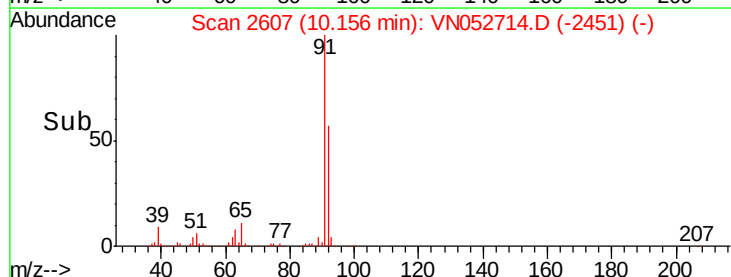
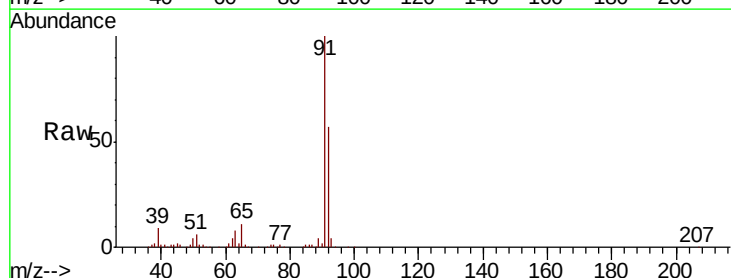
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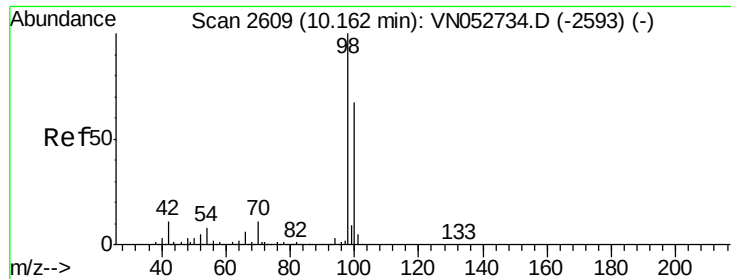
MMDadoda
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#62
Toluene
Concen: 20.380 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.4	68.2





#63

Toluene-d8

Concen: 20.380 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 1084873

Ion Ratio Lower Upper

98 100

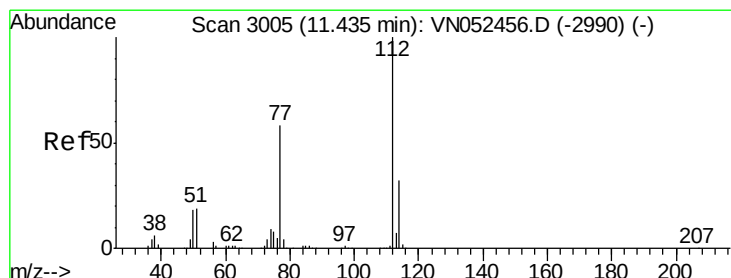
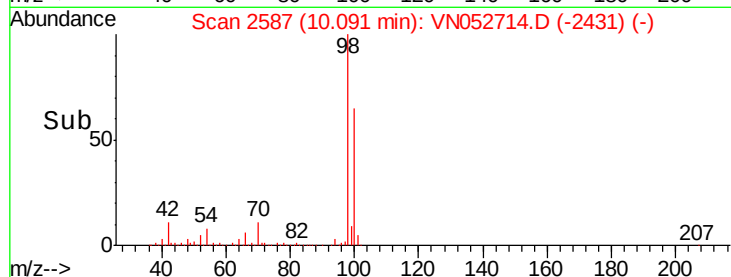
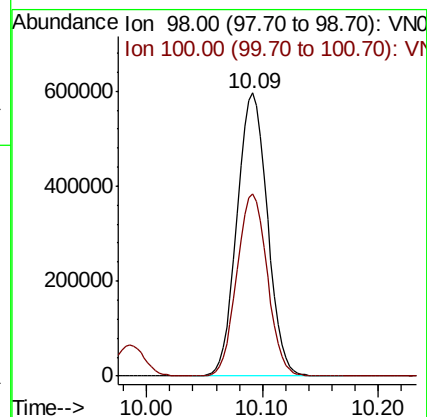
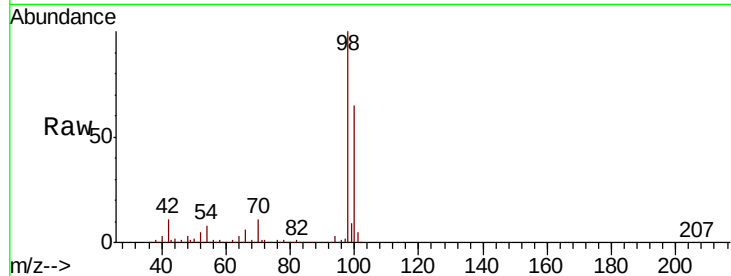
100 64.5 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 20.411 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052714.D

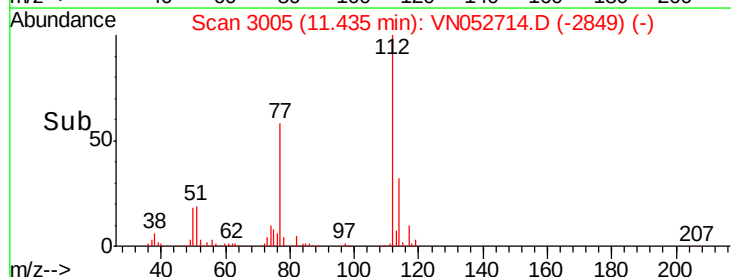
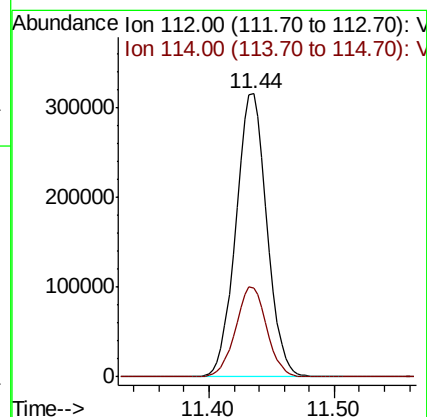
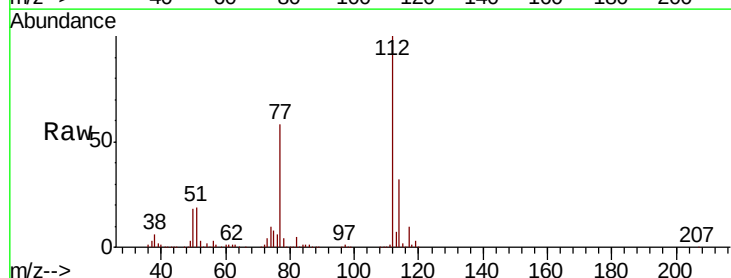
Acq: 6 Dec 2018 23:05

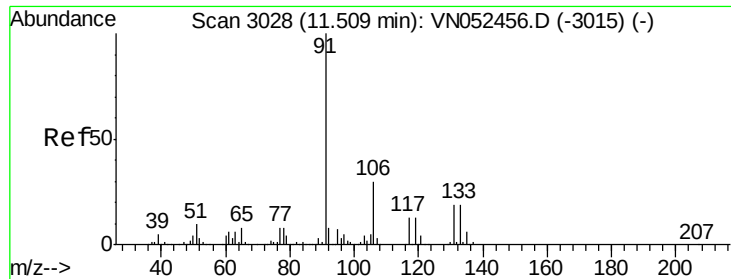
Tgt Ion: 112 Resp: 539859

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.073 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

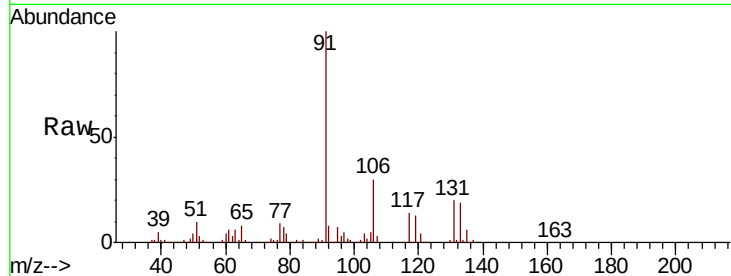
ClientSampleId :

VSTDCCC020EC

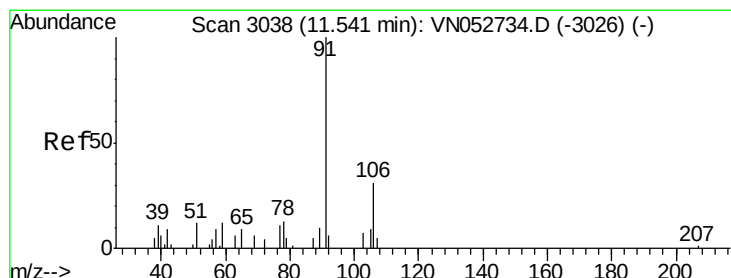
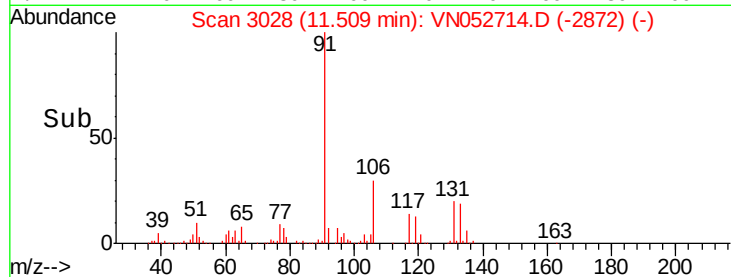
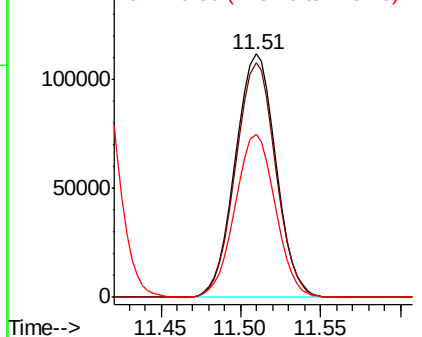
Tot Ion:	131	Resp:	193471
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	193.4
119	66.6	0.0	133.0

Manual Integrations
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.223 ug/l

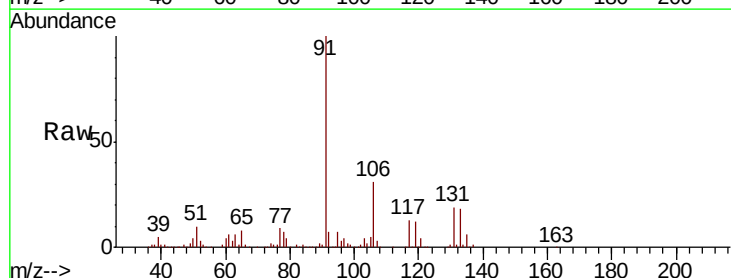
RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

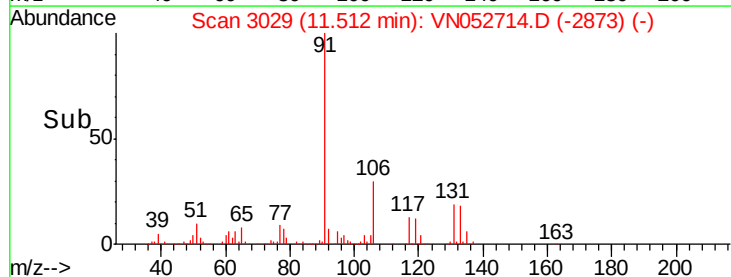
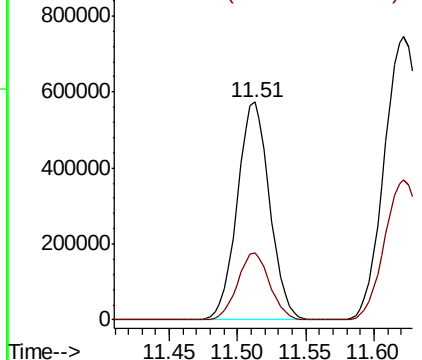
Lab File: VN052714.D

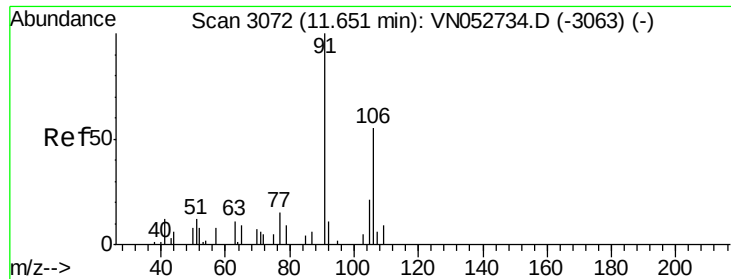
Acq: 6 Dec 2018 23:05

Tgt Ion:	91	Resp:	944507
Ion Ratio	Lower	Upper	
91	100		
106	30.6	24.3	36.5



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





#67

m/p-Xylenes

Concen: 40.730 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 708695

Ion Ratio Lower Upper

106 100

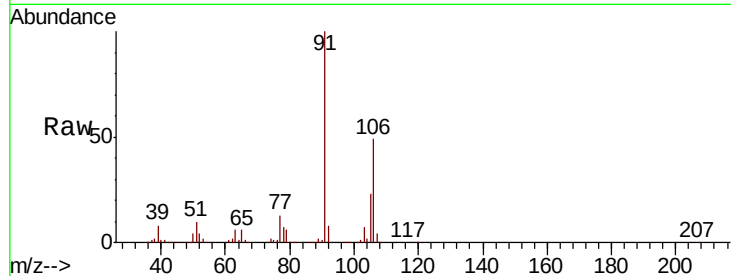
91 203.1 163.9 245.9

Manual Integrations

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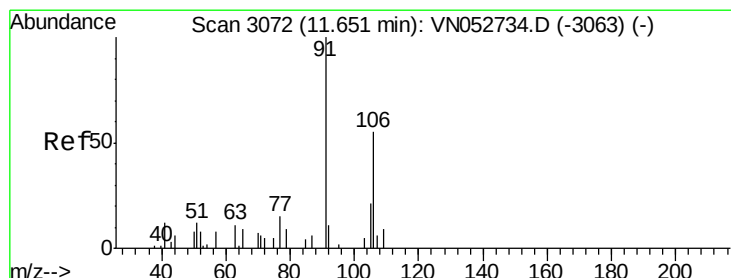
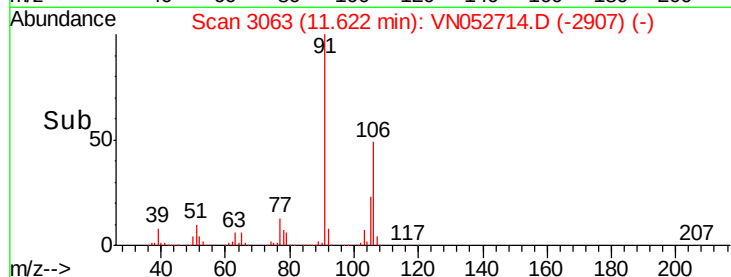
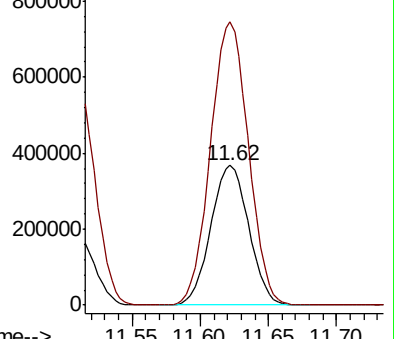
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.304 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052714.D

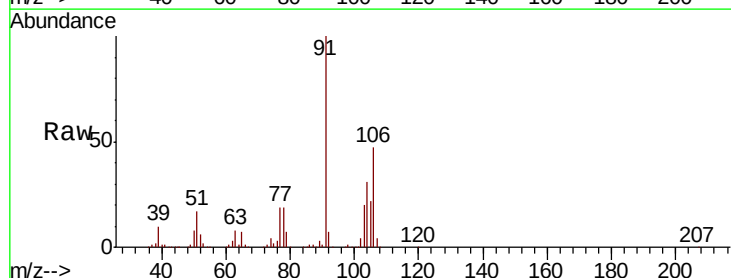
Acq: 6 Dec 2018 23:05

Tgt Ion:106 Resp: 342902

Ion Ratio Lower Upper

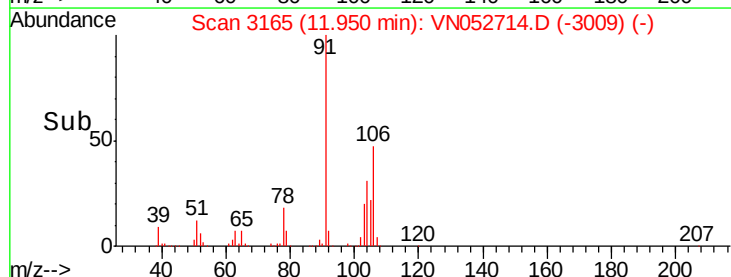
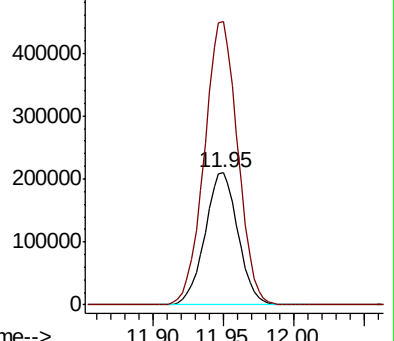
106 100

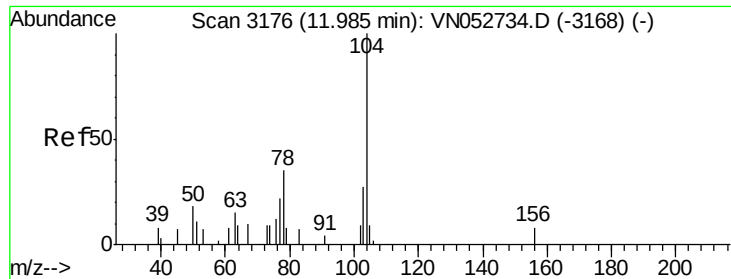
91 217.3 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





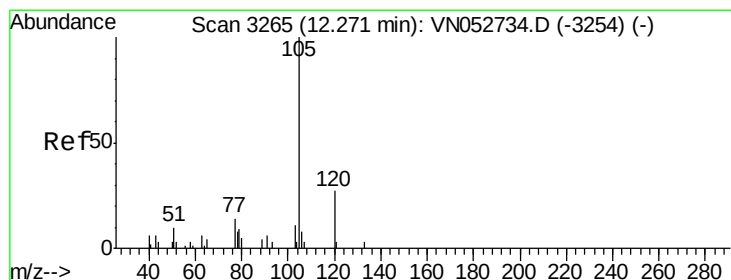
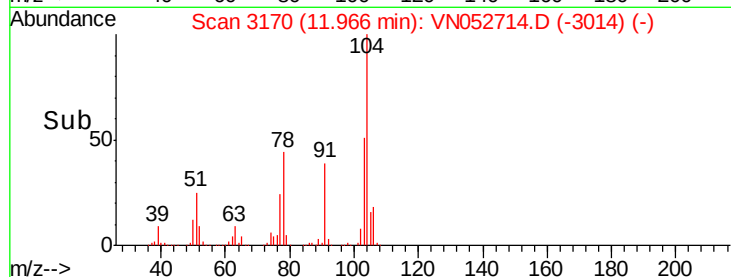
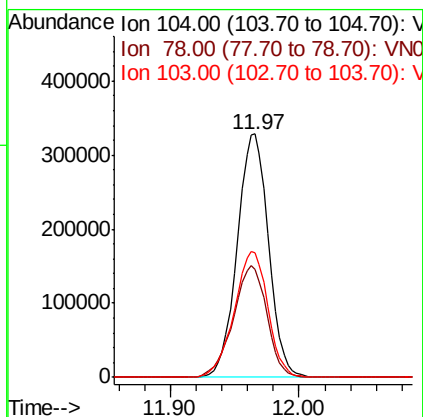
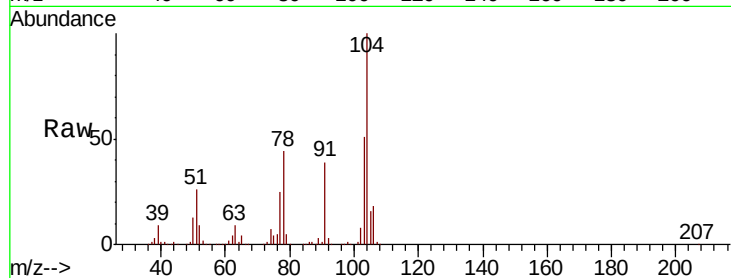
#69
Stvrene
Concen: 20.360 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	55.6	44.6	66.8

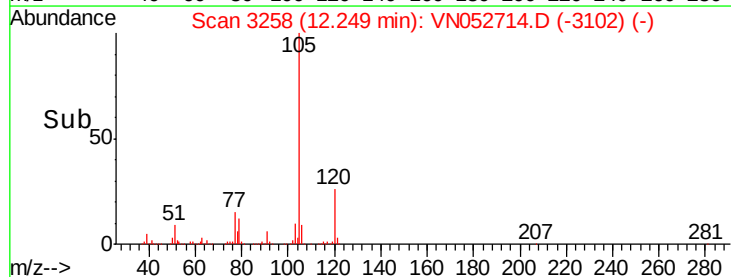
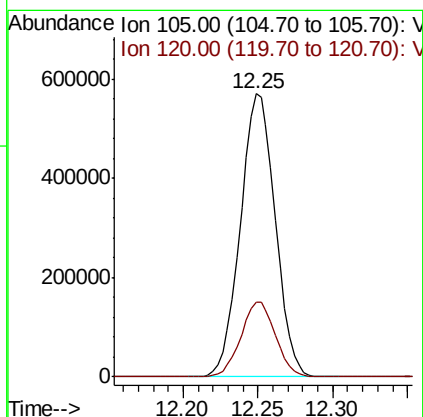
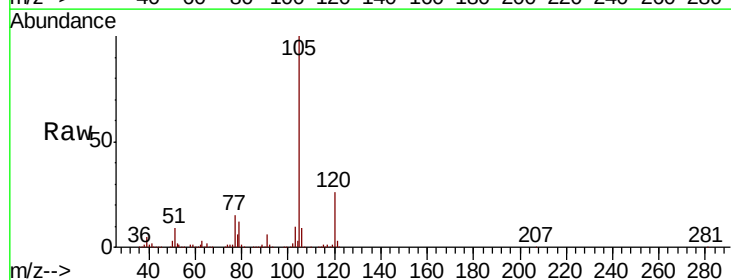
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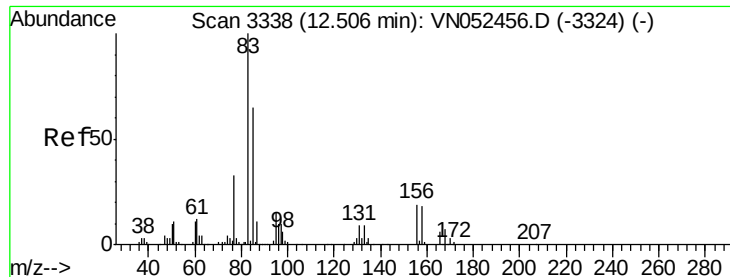
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#70
Isopropylbenzene
Concen: 20.560 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6





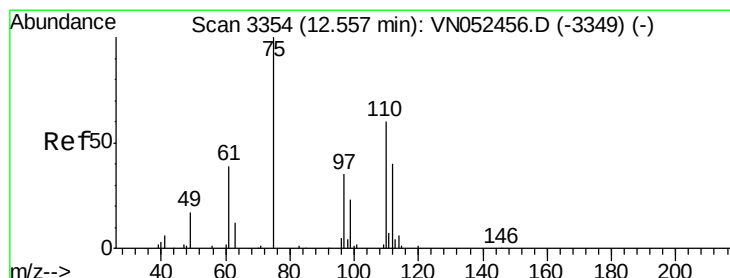
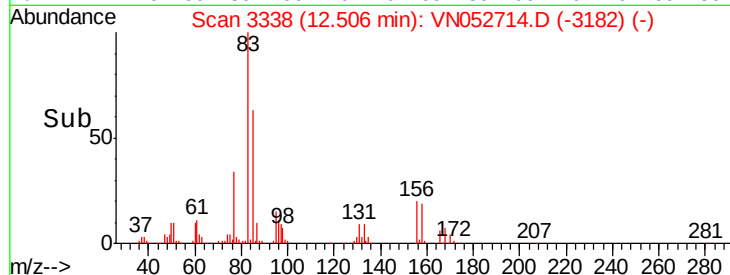
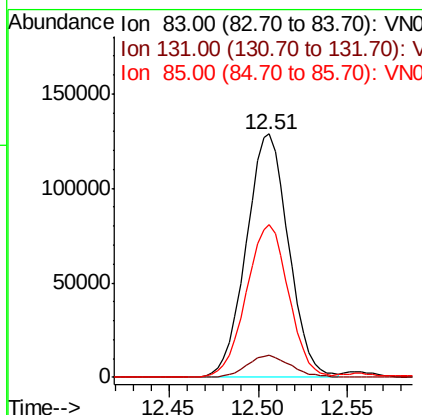
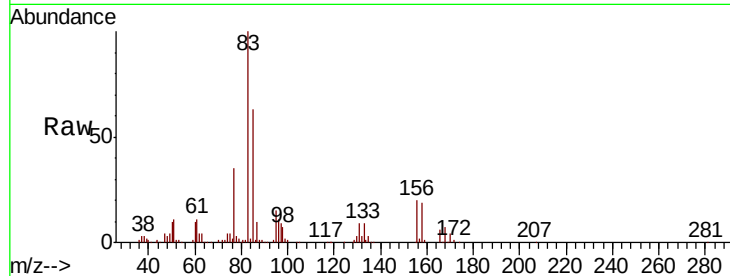
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.824 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	213326		
131	9.4	4.9	14.6	
85	62.6	32.2	96.6	

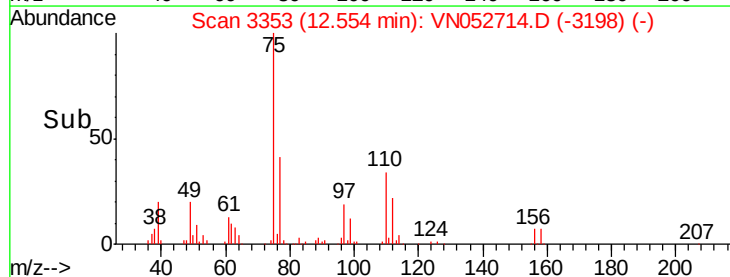
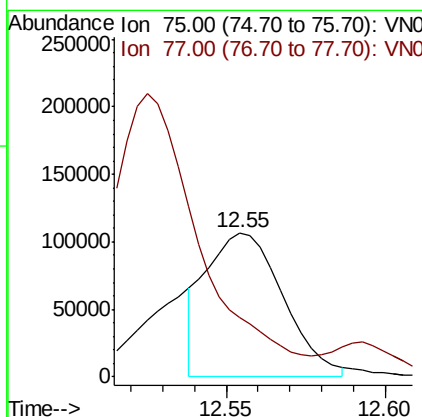
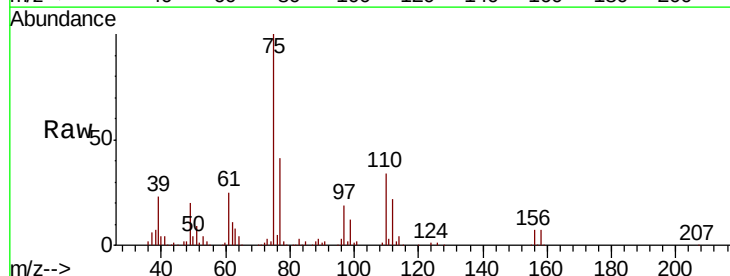
Manual Integrations
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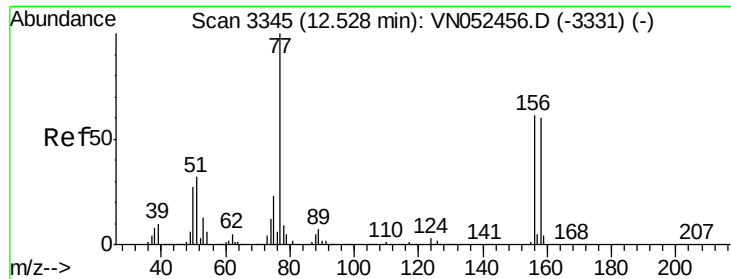
MMDadoda
 12/7/2018 1:13:15 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.368 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179295		
77	232.9	0.0	514.8	





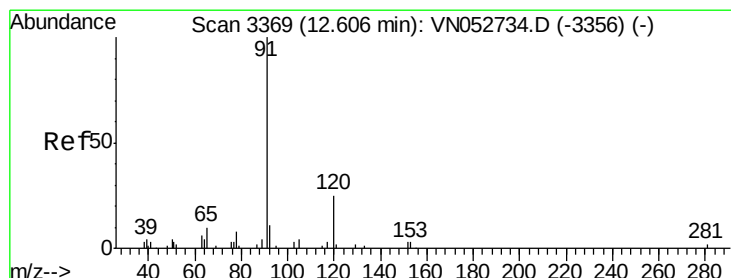
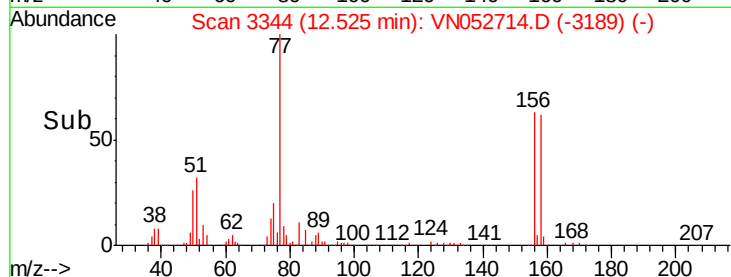
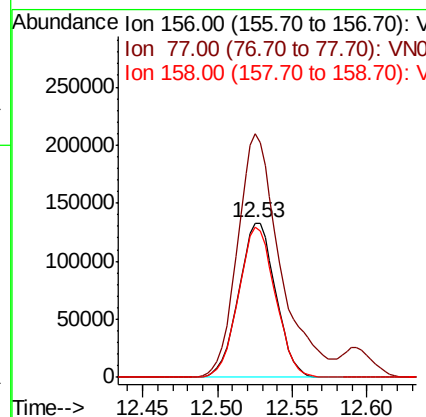
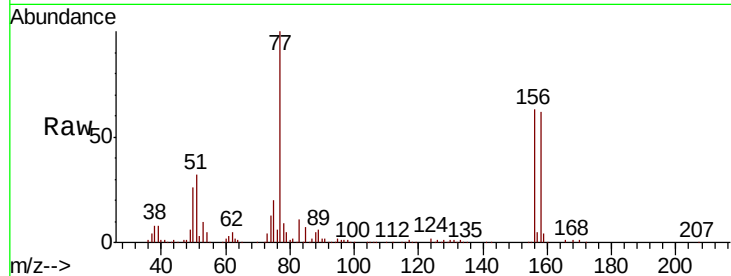
#73
Bromobenzene
Concen: 21.026 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		228508		
77	182.8	0.0	382.6		
158	96.9	0.0	196.8		

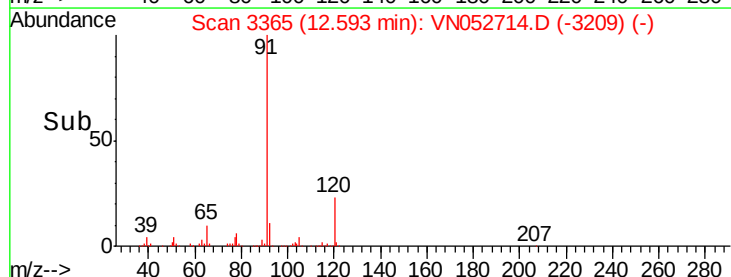
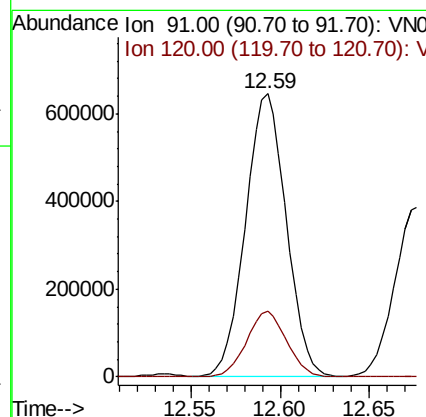
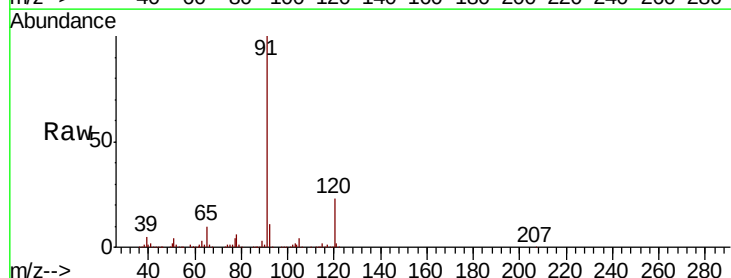
Manual Integrations
APPROVED

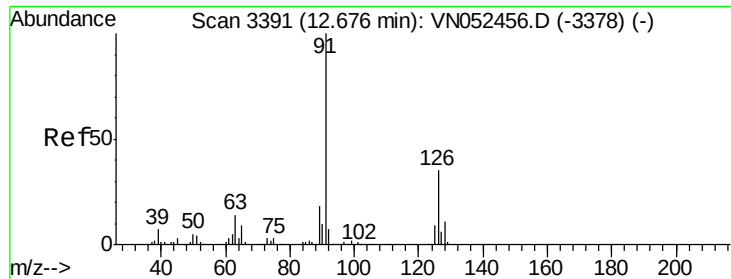
MMDadoda
12/7/2018 1:13:15 PM



#74
n-propylbenzene
Concen: 19.707 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1031751		
120	22.7	0.0	44.6		





#75

2-Chlorotoluene

Concen: 20.450 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 621475

Ion Ratio Lower Upper

91 100

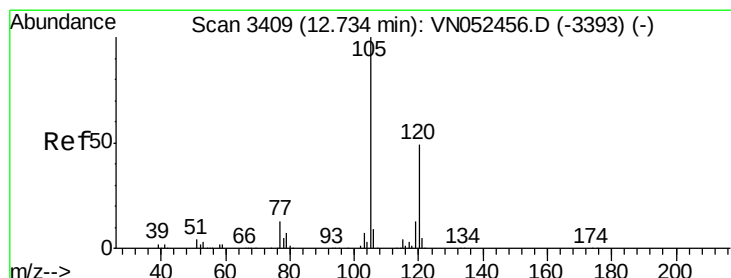
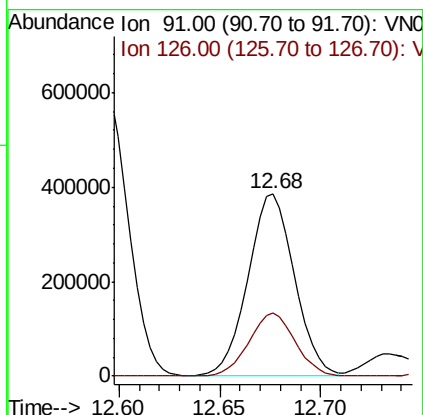
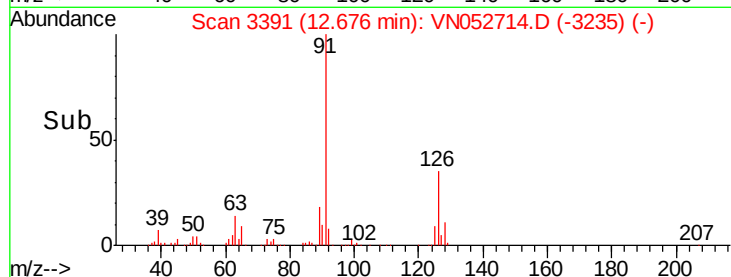
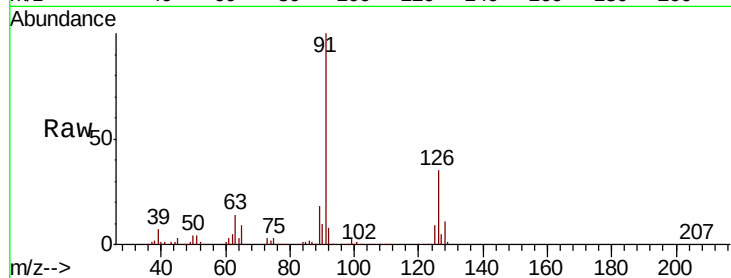
126 34.6 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.428 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052714.D

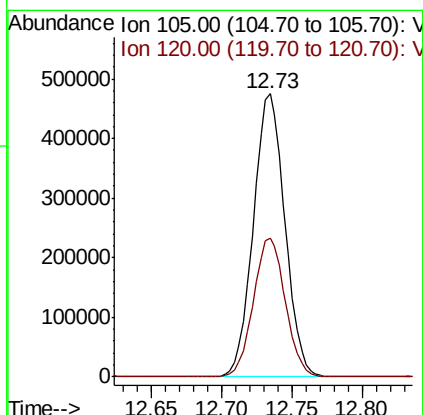
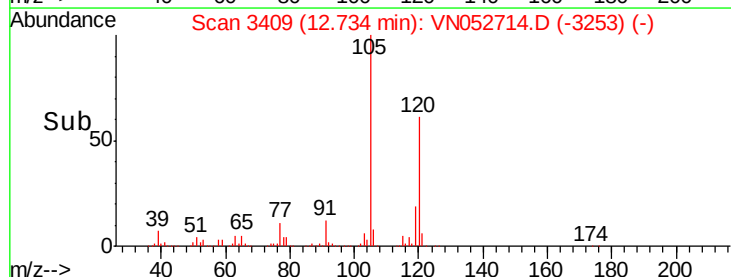
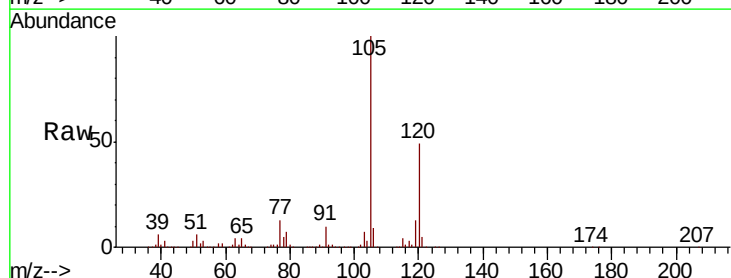
Acq: 6 Dec 2018 23:05

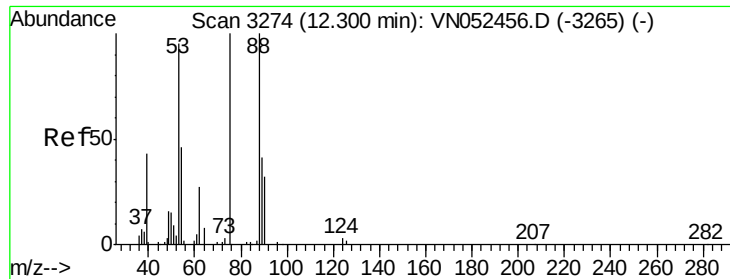
Tgt Ion: 105 Resp: 741421

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.327 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

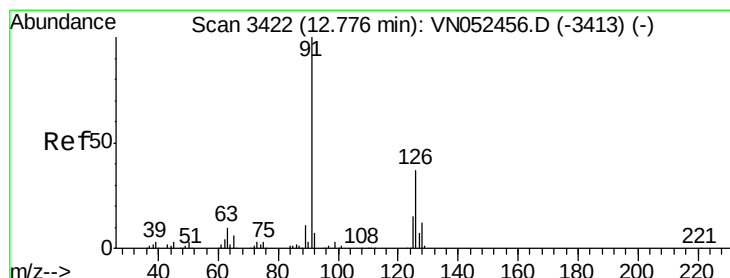
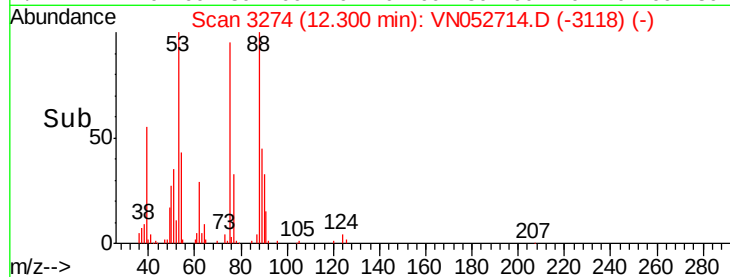
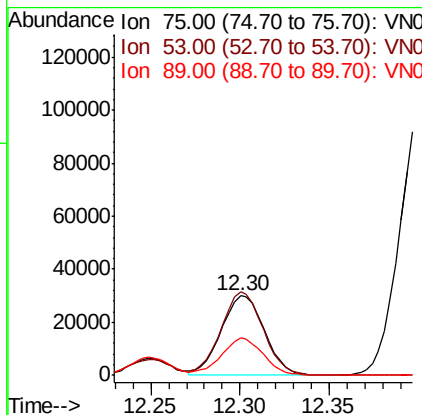
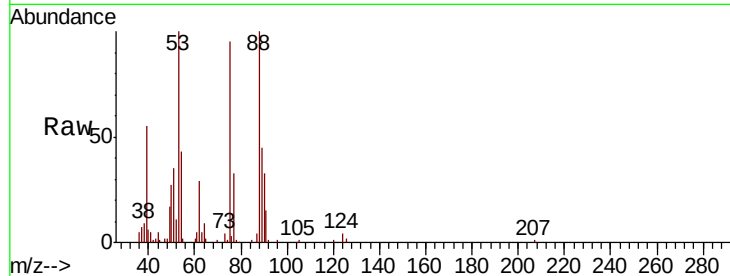
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	51228
Ion	Ratio	Lower	Upper
75	100		
53	104.7	48.5	145.6
89	47.2	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.207 ug/l

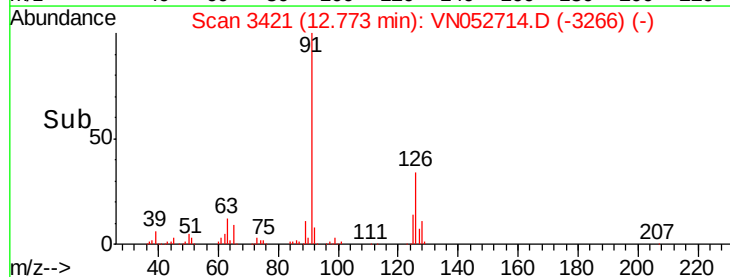
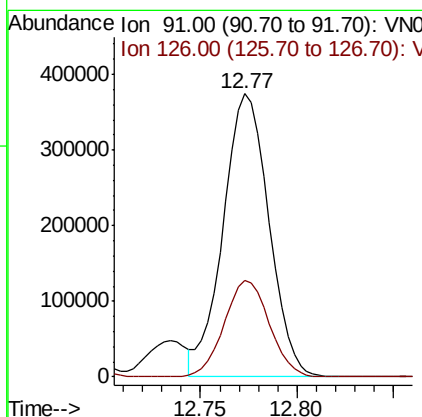
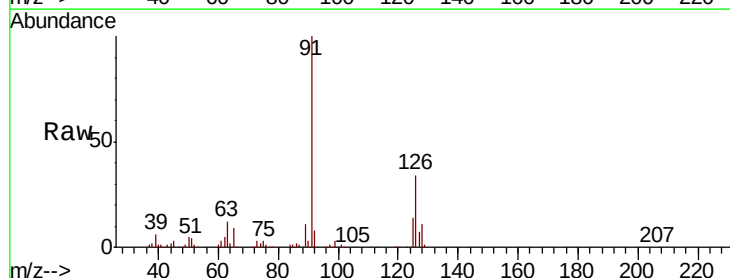
RT: 12.77 min Scan# 3421

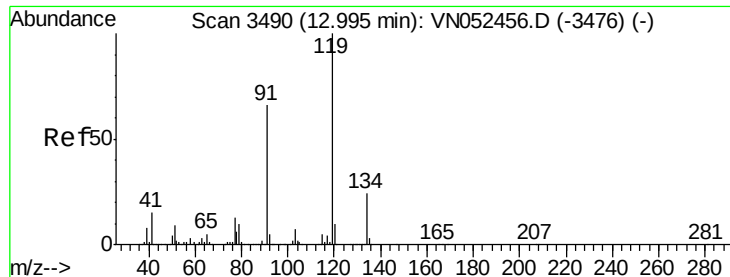
Delta R.T. -0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	91	Resp:	613221
Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	68.2





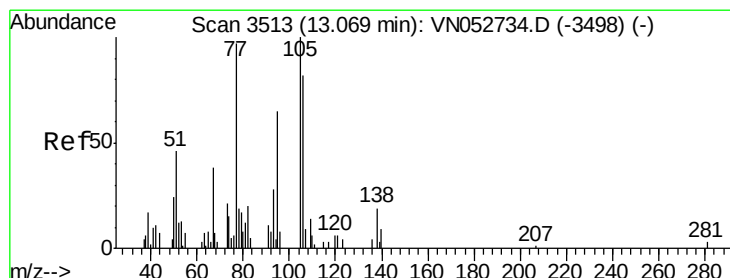
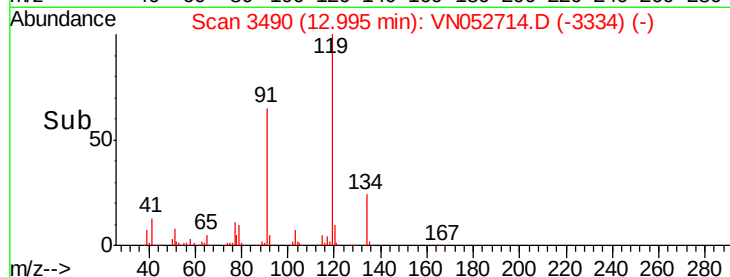
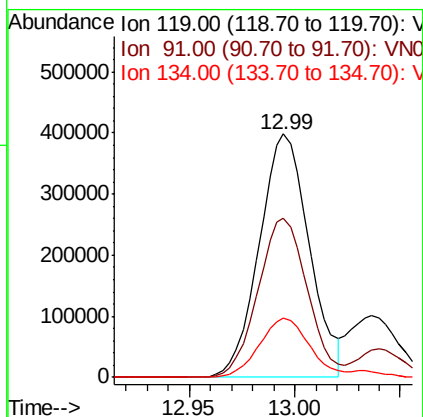
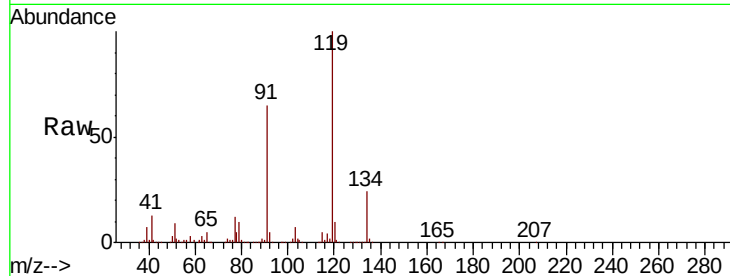
#79
tert-butylbenzene
Concen: 20.786 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	656989		
91	64.9	0.0	129.8	
134	24.4	0.0	52.2	

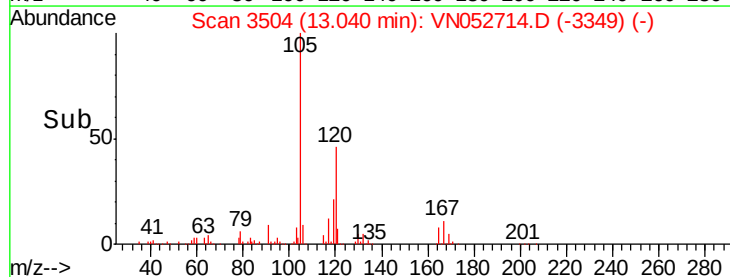
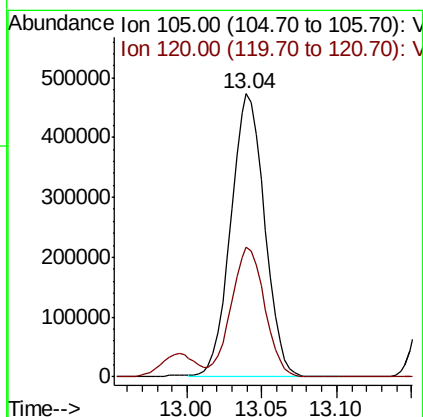
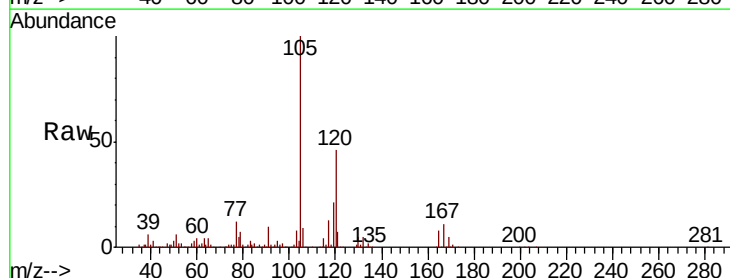
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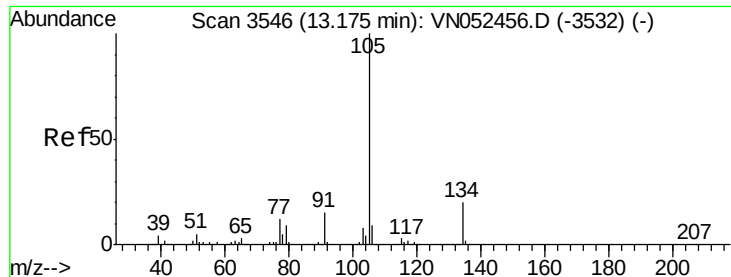
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.451 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	742701		
120	45.5	0.0	91.0	





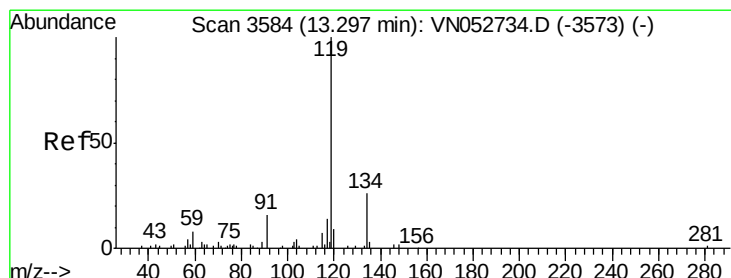
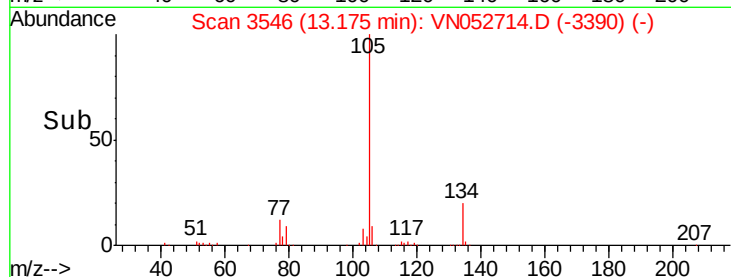
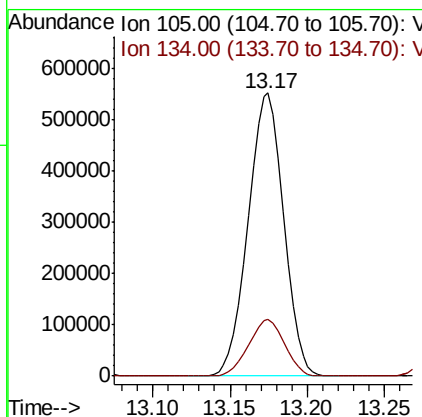
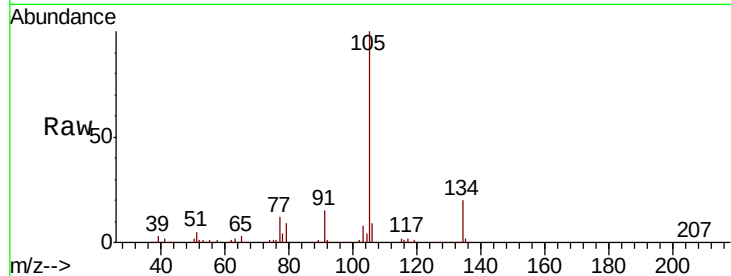
#81
 sec-Butylbenzene
 Concen: 20.129 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	40.4

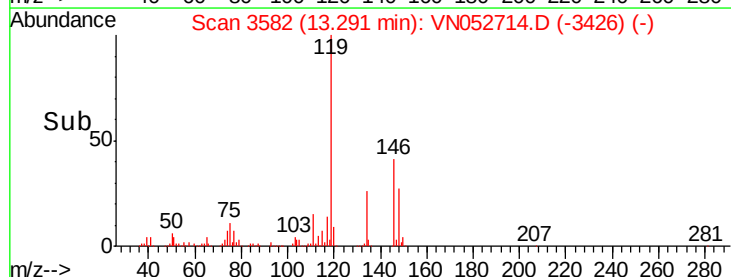
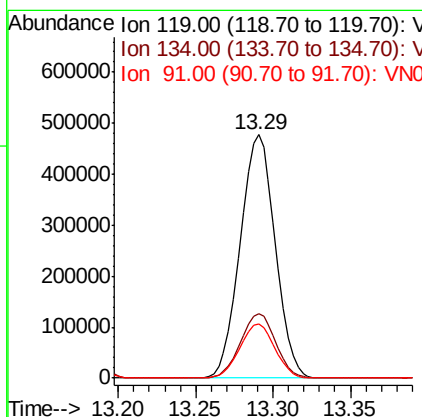
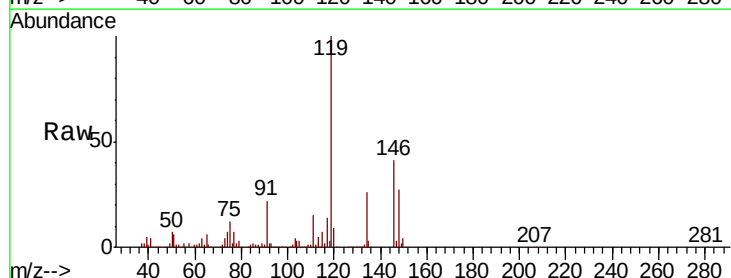
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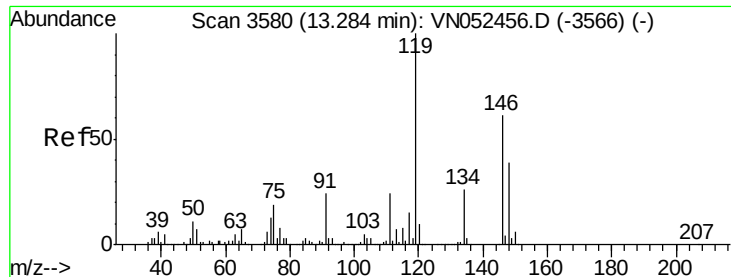
MMDadoda
 12/7/2018 1:13:15 PM



#82
 p-Isopropyltoluene
 Concen: 19.995 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.4	0.0	46.2





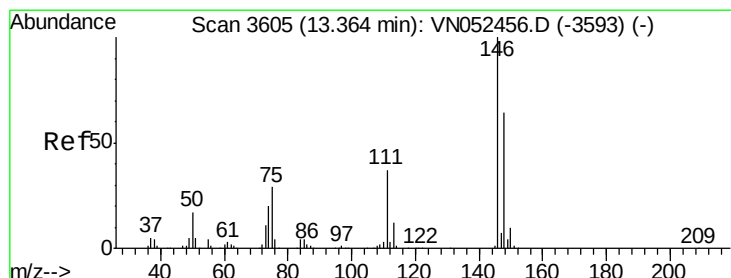
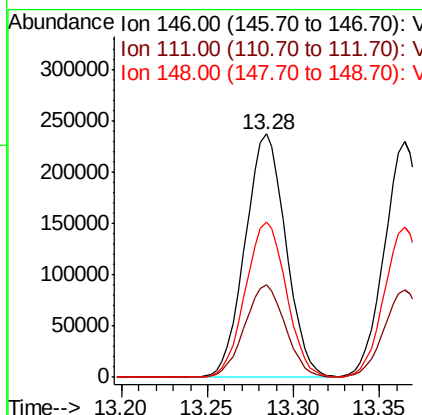
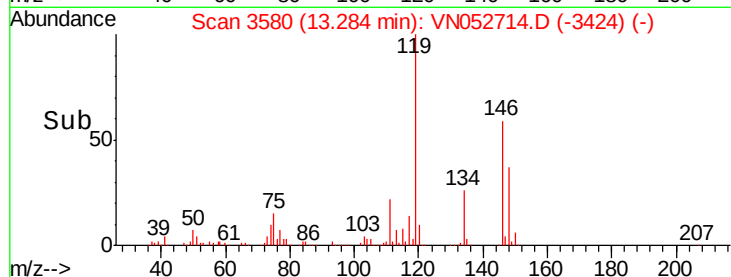
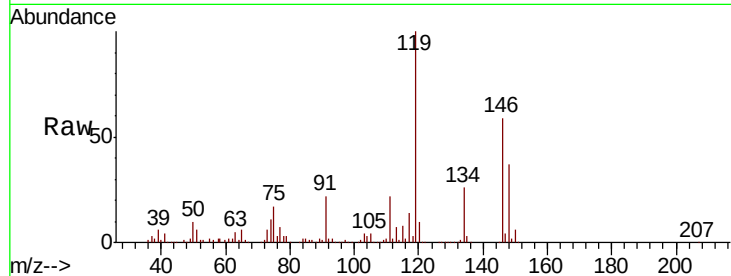
#83
 1,3-Dichlorobenzene
 Concen: 20.402 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	64.1	32.3	96.8

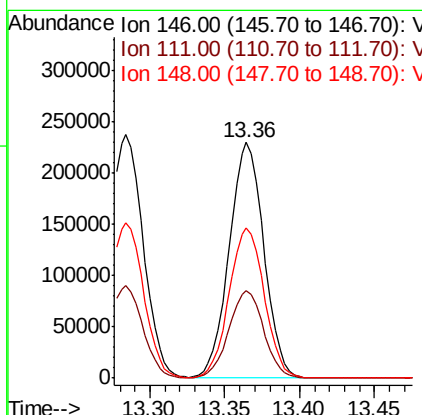
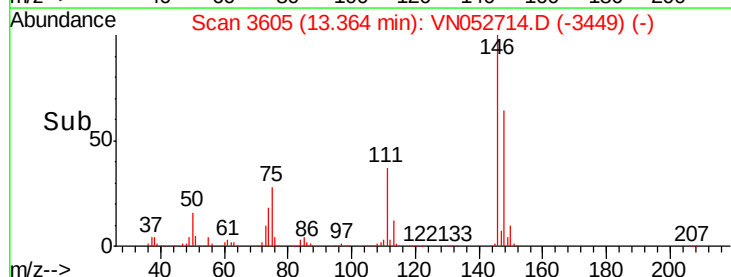
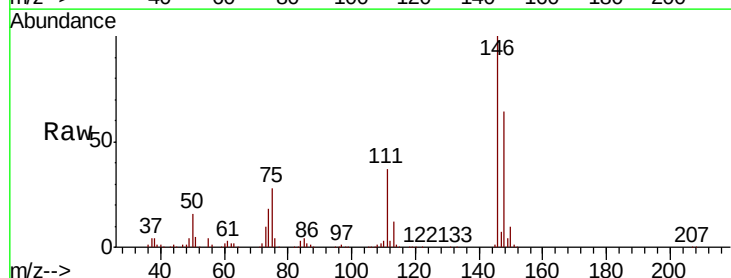
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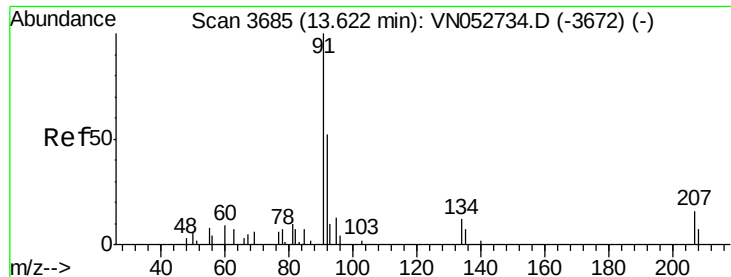
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	64.6	32.5	97.4





#85

n-Butylbenzene

Concen: 18.295 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

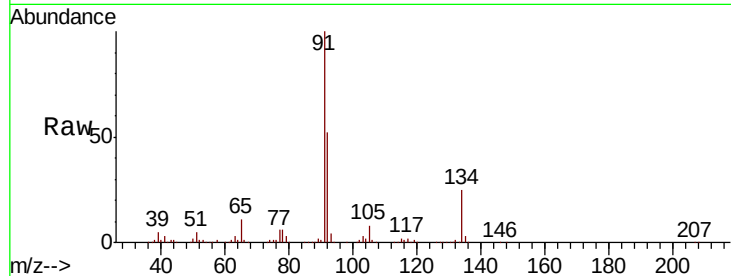
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	589123
Ion Ratio	Lower	Upper	
91	100		
92	52.1	0.0	104.2
134	26.0	0.0	50.6

Manual Integrations
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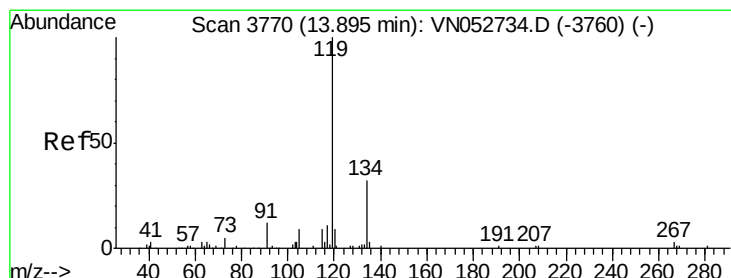
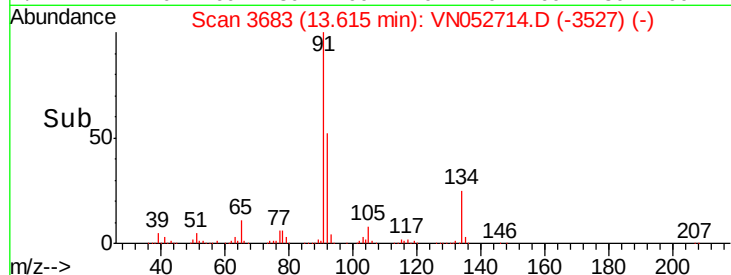
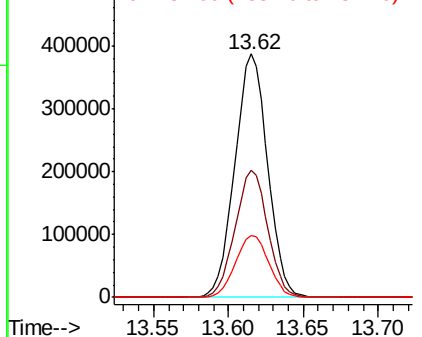


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#86

Hexachloroethane

Concen: 19.787 ug/l

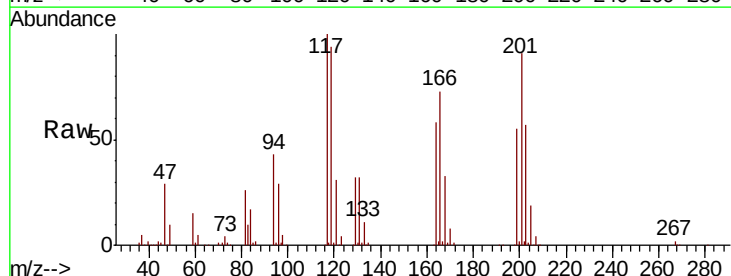
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

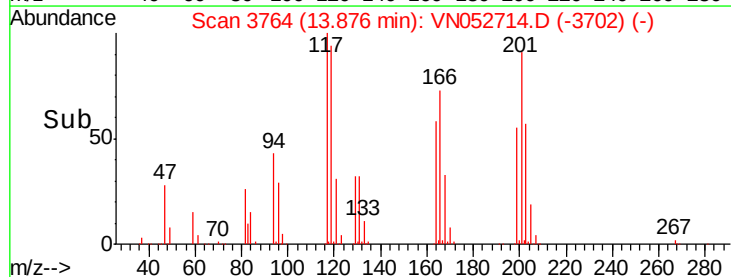
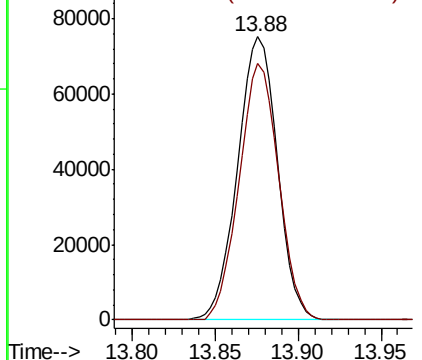
Tgt Ion:	117	Resp:	125684
Ion Ratio	Lower	Upper	
117	100		
201	89.7	43.8	131.3

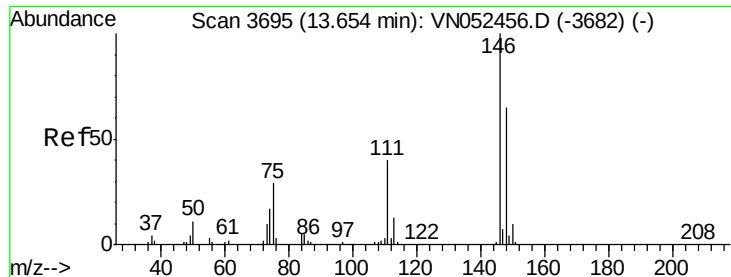


Abundance

Ion 117.00 (116.70 to 117.70): VN0

Ion 201.00 (200.70 to 201.70): VN0





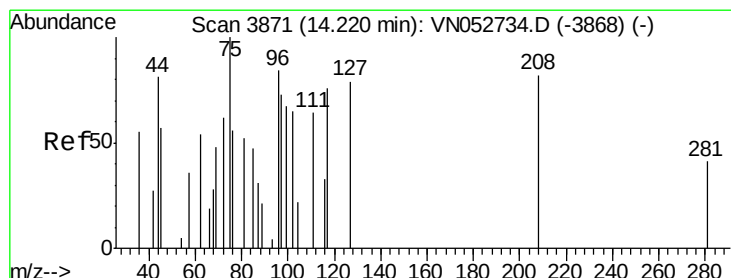
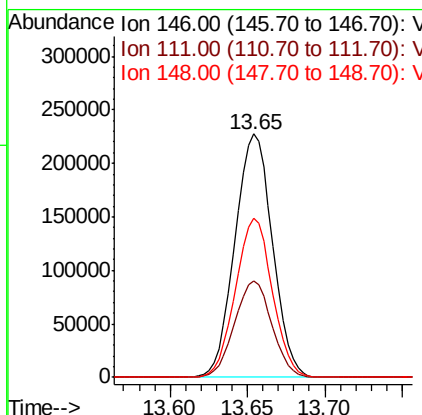
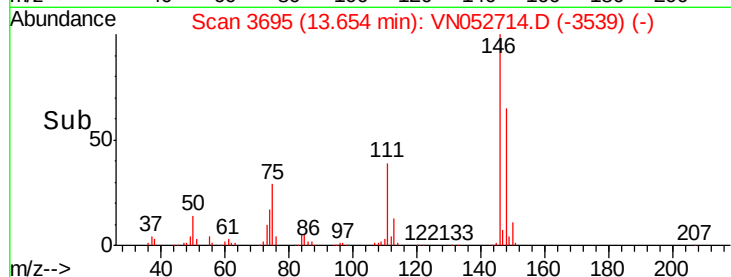
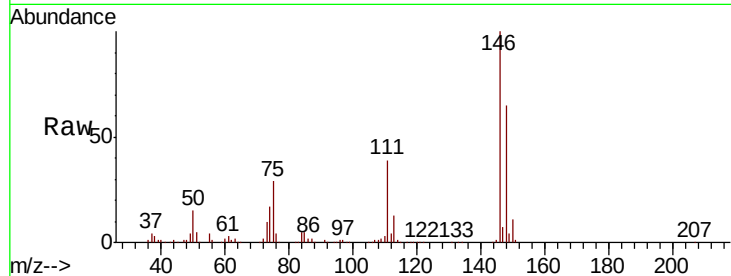
#87
 1,2-Dichlorobenzene
 Concen: 21.061 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	64.2	32.1	96.5

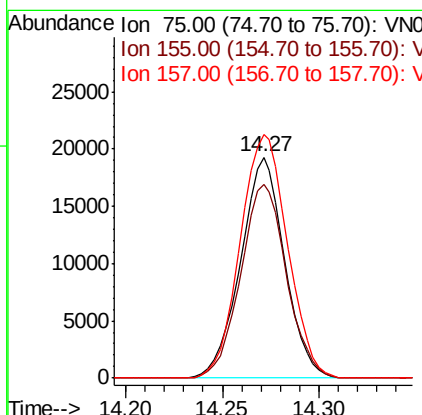
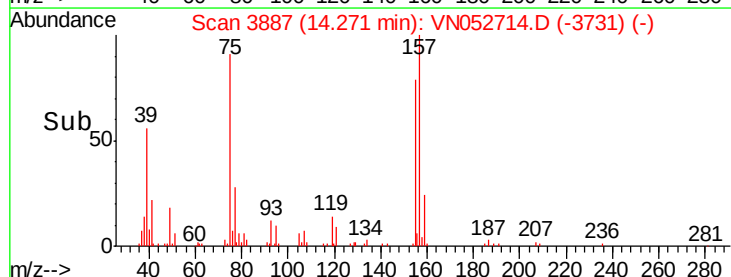
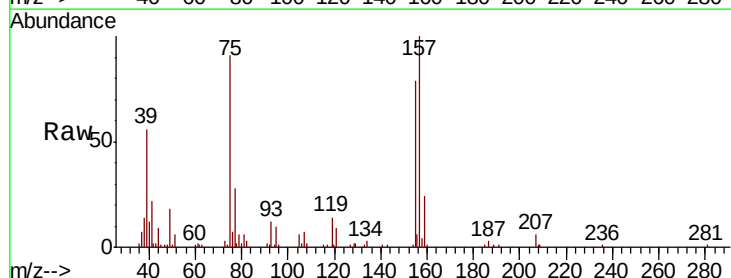
Manual Integrations
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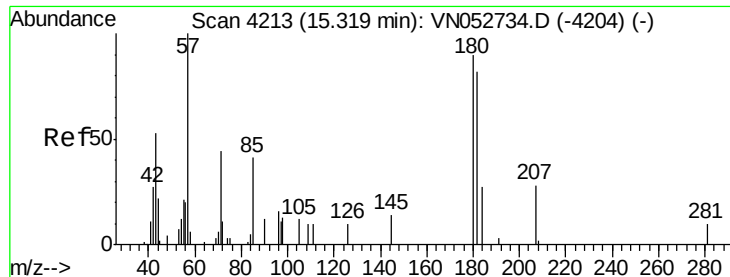
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.335 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052714.D
 Acq: 6 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	72.2	108.2
157	118.2	94.2	141.2





#89

1,2,4-Trichlorobenzene

Concen: 19.482 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Instrument :

MSVOA_N

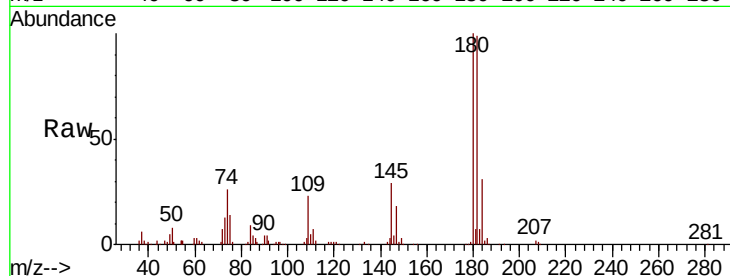
ClientSampleId :

VSTDCCC020EC

Tot Ion:	180	Resp:	174579
Ion Ratio	Lower	Upper	
180	100		
182	97.8	76.6	114.8
145	28.1	23.6	35.4

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

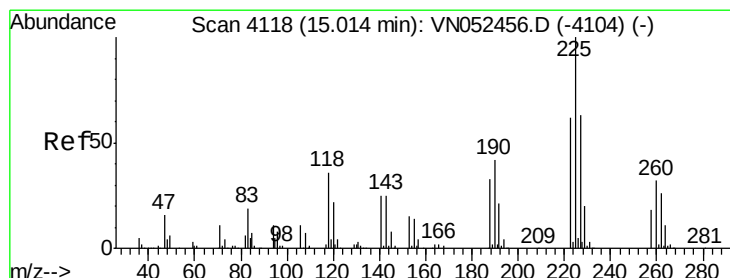
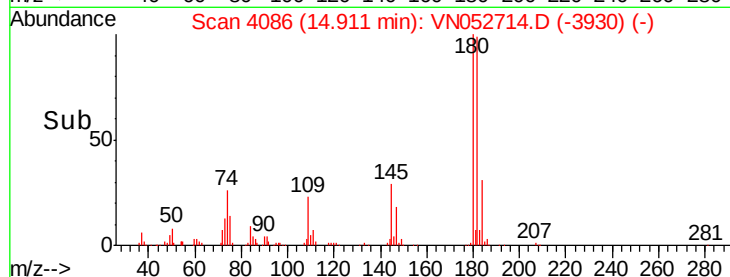
14.91

100000

50000

0

Time-->



#90

Hexachlorobutadiene

Concen: 20.508 ug/l

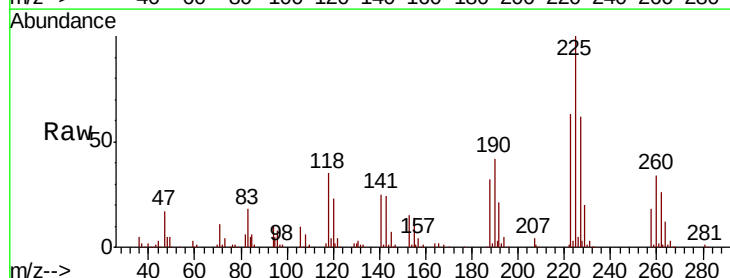
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052714.D

Acq: 6 Dec 2018 23:05

Tgt Ion:	225	Resp:	120558
Ion Ratio	Lower	Upper	
225	100		
223	63.4	0.0	125.6
227	63.2	0.0	127.8



Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

15.01

100000

80000

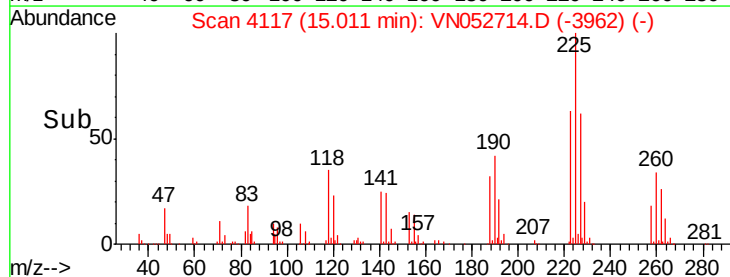
60000

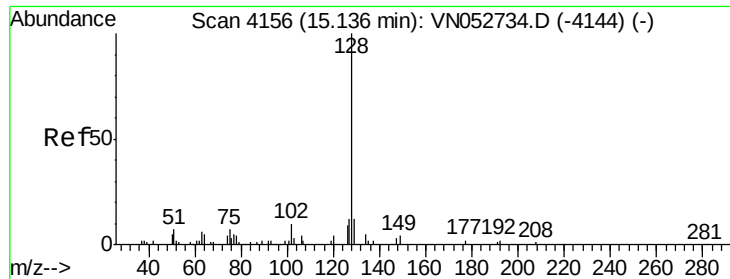
40000

20000

0

Time-->





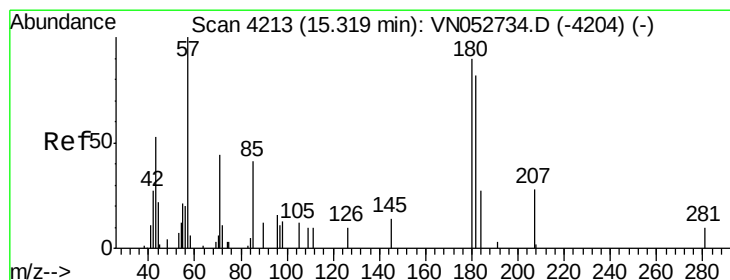
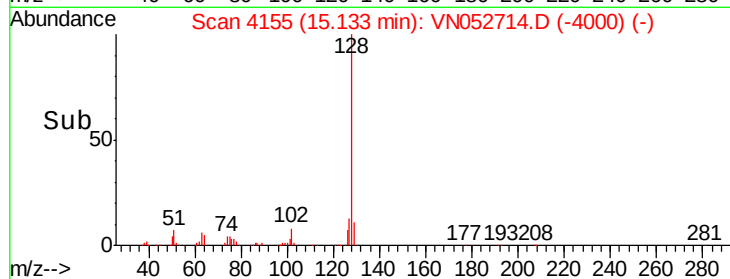
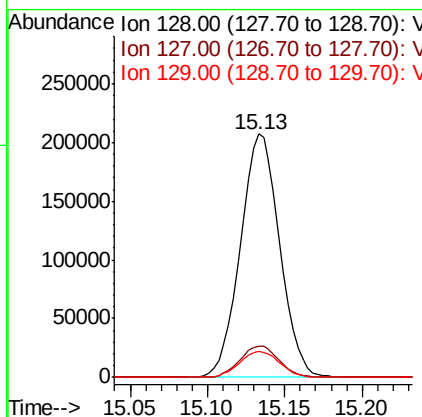
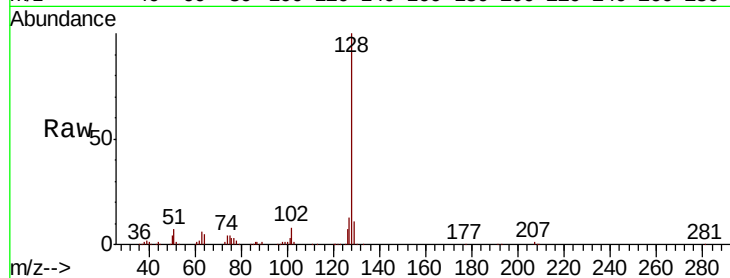
#91
Naphthalene
Concen: 20.170 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	365001
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.9	14.9
129	10.8	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 20.793 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052714.D
Acq: 6 Dec 2018 23:05

Tgt Ion:	180	Resp:	171715
Ion Ratio	Lower	Upper	
180	100		
182	96.1	0.0	196.2
145	30.4	0.0	62.2

