LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
Data File : VX014870.D
Acq On : 07 Feb 2020 14:51
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400205799-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.021	338	350	368	rBV	6215504	13562272	96.03%	26.586%
2	4.679	606	622	634	rBV	4393224	14123229	100.00%	27.686%
3	5.008	666	676	683	rBV2	135605	396759	2.81%	0.778%
4	5.106	683	692	709	rVB	1417403	4185175	29.63%	8.204%
5	6.051	838	847	855	rBV	152311	399314	2.83%	0.783%
6	6.319	877	891	902	rVB4	122006	408279	2.89%	0.800%
7	6.849	969	978	992	rVV	364749	841791	5.96%	1.650%
8	8.636	1262	1271	1276	rBV2	82536	170134	1.20%	0.334%
9	8.709	1276	1283	1289	rBV	753815	1155315	8.18%	2.265%
10	8.776	1289	1294	1299	rVB3	88589	144146	1.02%	0.283%
11	8.861	1302	1308	1313	rBV	164677	249884	1.77%	0.490%
12	9.428	1393	1401	1408	rBV	573460	872400	6.18%	1.710%
13	10.105	1500	1512	1517	rBV	782424	1213287	8.59%	2.378%
14	10.264	1532	1538	1545	rBV	86060	149744	1.06%	0.294%
15	10.355	1548	1553	1559	rVV	283232	419284	2.97%	0.822%
16	10.696	1604	1609	1619	rBV	199957	277660	1.97%	0.544%
17	11.129	1675	1680	1686	rBV	623768	877995	6.22%	1.721%
18	11.550	1746	1749	1756	rVB	116424	164338	1.16%	0.322%
19	11.800	1776	1790	1795	rBV	110437	205165	1.45%	0.402%
20	11.934	1804	1812	1817	rBV	240256	343081	2.43%	0.673%
21	12.092	1835	1838	1842	rVB	145197	167806	1.19%	0.329%
22	12.153	1842	1848	1852	rBV2	355338	523907	3.71%	1.027%
23	12.294	1868	1871	1880	rVV	105874	170663	1.21%	0.335%
24	12.574	1913	1917	1919	rBV2	111621	167836	1.19%	0.329%
25	12.629	1923	1926	1930	rVB	262484	305852	2.17%	0.600%
26	12.812	1948	1956	1961	rBV	634395	871792	6.17%	1.709%
27	12.958	1968	1980	1985	rBV	3446998	4478110	31.71%	8.778%
28	13.013	1985	1989	1993	rVB2	145141	218174	1.54%	0.428%
29	13.220	2018	2023	2027	rBV2	116601	181787	1.29%	0.356%
30	13.336	2036	2042	2047	rVV3	93134	155467	1.10%	0.305%
31	13.525	2068	2073	2077	rBV3	593081	851750	6.03%	1.670%
32	13.562	2077	2079	2085	rVB	132522	165403	1.17%	0.324%
33	13.641	2086	2092	2101	rBV2	1117947	1522523	10.78%	2.985%
34	13.824	2118	2122	2129	rVB2	114160	167763	1.19%	0.329%

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400205799-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	13.970	2142	2146	2148	rBV2	144127	229348	1.62%	0.450%
36	14.153	2169	2176	2188	rBV2	309086	514691	3.64%	1.009%
37	14.836	2285	2288	2294	rVB	128939	160922	1.14%	0.315%

Sum of corrected areas: 51013046

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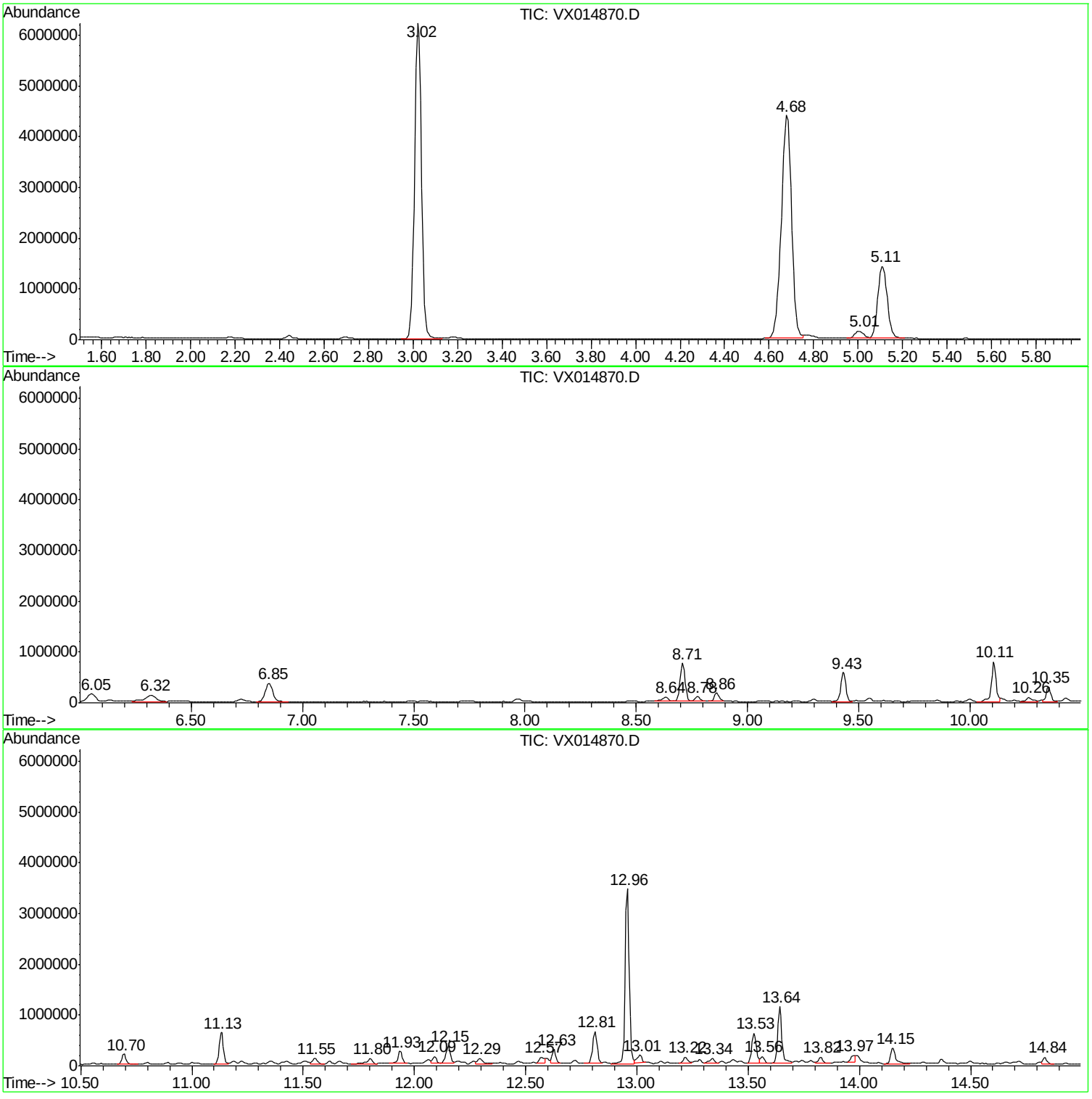
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Amylene Hydrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	14.55 ug/l	408279	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	64
2	Amylene Hydrate	88	C5H12O	000075-85-4	64
3	Amylene Hydrate	88	C5H12O	000075-85-4	50
4	1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	50
5	Ethane, (chloromethoxy)-	94	C3H7ClO	003188-13-4	50

****

Peak Number 2 3-Hexanone, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	21.57 ug/l	872400	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	90
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	83
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64

****

Peak Number 3 Eucalyptol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.95 ug/l	523907	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	97
3	Eucalyptol	154	C10H18O	000470-82-6	96
4	Eucalyptol	154	C10H18O	000470-82-6	91
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	80

****

Peak Number 4 unknown12.81 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	21.56 ug/l	871792	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	45
2	1-Boraindane, 3-methyl-1-[1-(tri...	266	C17H23BSi	190316-36-0	22
3	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	16
4	3,5-Dimethoxyphenylacetic acid, ...	268	C13H20O4Si	1000071-82-4	9
5	1,3,5-Cycloheptatriene, 7-methyl...	254	C17H22Si	1000160-93-0	9

****

Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	110.73 ug/l	4478110	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	94
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94

****

Peak Number 6 Camphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	21.06 ug/l	851750	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	64
2	(-)-trans-Myrtanyl acatate	196	C12H20O2	1000157-78-3	50
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	50
4	Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	30
5	Cyclohexanol, 2-methyl-5-(1-meth...	196	C12H20O2	020777-49-5	25

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Peak Number 7 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	37.65 ug/l	1522520	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020720\
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Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	91
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	90
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	90
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	87
5	Menthol	156	C10H20O	001490-04-6	83

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Peak Number 8 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	12.73 ug/l	514691	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	76
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	64
3	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	62
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	49
5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	49

Tentatively Identified Compound (LSC) summary

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Amylene Hydrate	6.32	14.6	ug/l	408279	2	6.85	841791	30.0
3-Hexanone, 2-met...	9.43	21.6	ug/l	872400	3	10.11	1213290	30.0
Eucalyptol	12.15	12.9	ug/l	523907	3	10.11	1213290	30.0
unknown12.81	12.81	21.6	ug/l	871792	3	10.11	1213290	30.0
Bicyclo[2.2.1]hep...	12.96	110.7	ug/l	4478110	3	10.11	1213290	30.0
Camphene	13.53	21.1	ug/l	851750	3	10.11	1213290	30.0
Cyclohexanol, 5-m...	13.64	37.6	ug/l	1522520	3	10.11	1213290	30.0
Bicyclo[3.1.1]hep...	14.15	12.7	ug/l	514691	3	10.11	1213290	30.0